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CUMULATED INDEX MEDICUS

CONTENTS

Book 1

Preface v
Index Medicus Citation Format vii
Introduction viii
Materials Indexed viii
The Indexing Operation viii
Subject Heading Changes ix
Arrangement ix
Bibliography of Medical Reviews ix
Subject Section ix
Author Section x
Access to Articles Cited xi
Interlibrary Loan Policy xi
Other Resources xiv
Regional Medical Libraries xiv
Foreign MEDLARS/MEDLINE Centers xv

MEDICAL SUBJECT HEADINGS (Contents) III

Book 2

JOURNALS INDEXED Abbreviation Listing 951

Full Title Listing 1023

BIBLIOGRAPHY OF MEDICAL REVIEWS

Subject Index 1085

CUMULATED INDEX MEDICUS

Author Index A-Bs 1589

Book 3 Author Index Bu-Gs 2165

Book 4 Author Index Gu-L 3282

Book 5 Author Index M-R 4420

Book 6 Author Index S-Z 5631

Book 7 Subject Index A-Bli 6929

Book 8 Subject Index Blo-Cu 8161

Book 9 Subject Index Cy-Fo 9393

Book 10 Subject Index Fr-Ins 10576

Book 11 Subject Index Int-Moh 11764

Book 12 Subject Index Mol-Pi 12993

Book 13 Subject Index Pl-Sk 14225

Book 14 Subject Index Sl-Z 15428

ETIOLOGY

Pityriasis rosea and the need for a serologic test for syphilis. Horn T, et al. **Cutis** 1987 Jan;39(1):81–2

Pityriasis lichenoides et varioliformis acuta and acquired toxoplasmosis. Rongioletti F, et al. **Dermatologica** 1987; 175(1):41–4

HISTORY

Pityriasis rosea of Gibert [letter] Feinstein A, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1260–1

IMMUNOLOGY

Pityriasis rosea. An immunologic study. Abdel-Hafez K, et al. **Int J Dermatol** 1987 May;26(4):231–3

PATHOLOGY

Clonal T-cell populations in pityriasis lichenoides et varioliformis acuta (Mucha-Habermann disease). Weiss LM, et al. **Am J Pathol** 1987 Mar;126(3):417–21

Pityriasis rotunda. Waisman M. **Cutis** 1986 Oct;38(4):247–8

Light and electron microscopic studies of pityriasis rosea. el-Shiemy S, et al. **Int J Dermatol** 1987 May;26(4):237–9

[Pityriasis rotunda in south-central Sardinia. Preliminary note] Aste N, et al. **G Ital Dermatol Venereol** 1986 Sep-Oct; 121(5):331–4 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Ultraviolet light treatment of a patient with pityriasis lichenoides et varioliformis acuta (Mucha-Habermann disease). A case report. MacKinnon JL. **Phys Ther** 1986 Oct;66(10):1542–3

PITYRIASIS RUBRA PILARIS

DIAGNOSIS

Pityriasis rubra pilaris in childhood: a long-term study of 29 cases. Gelmetti C, et al. **Pediatr Dermatol** 1986 Dec; 3(6):446–51

[What is your diagnosis?] Colmant A, et al. **Pediatrie** 1986 Dec;41(8):665–7 **(Fre)**

DRUG THERAPY

Isotretinoin treatment of pityriasis rubra pilaris. Dicken CH. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):297–301

IMMUNOLOGY

Childhood-onset pityriasis rubra pilaris with immunologic abnormalities. Shvili D, et al. **Pediatr Dermatol** 1987 May; 4(1):21–3

PATHOLOGY

Histologic criteria for the diagnosis of pityriasis rubra pilaris. Soeprono FF. **Am J Dermatopathol** 1986 Aug;8(4):277–83

The nails in adult type 1 pityriasis rubra pilaris. A comparison with Sézary syndrome and psoriasis. Sonnex TS, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):956–60

PITYRIASIS VERSICOLOR see **TINEA VERSICOLOR**

PITYROSPORUM see **MALASSEZIA**

PIVAMPICILLIN see under **AMPICILLIN**

PIZOTYLINE see under **THIOPHENES**

PLACEBOS

Response to occlusal treatment in headache patients previously treated by mock occlusal adjustment. Forssell H, et al. **Acta Odontol Scand** 1987 Apr;45(2):77–80

The "placebo" effect of psychotherapy: a moose in the rabbit stew. Senger HL. **Am J Psychother** 1987 Jan;41(1):68–81

Spontaneous improvement, vulnerability, and placebos [editorial] Zubin J. **Biol Psychiatry** 1986 Nov;21(13):1235

When a placebo is not a placebo: the value of effect size measures in assessing the validity of deception used in the balanced placebo design. Cole JA, et al. **Br J Addict** 1987 Jun;82(6):649–52

Blinding, unblinding, and the placebo effect: an analysis of patients' guesses of treatment assignment in a double-blind clinical trial. Moscucci M, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):259–65

Is homoeopathy a placebo response? [letter] **Lancet** 1986 Nov 8;2(8515):1106–7

Montaigne's insight: placebo effect and symptom anticipation are two sides of the same coin. Melmed RN, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1448–9

Is homoeopathy a placebo response? Controlled trial of homoeopathic potency, with pollen in hayfever as model. Reilly DT, et al. **Lancet** 1986 Oct 18;2(8512):881–6

Double blind: double talk or are there ways to do better research. Ney PG, et al. **Med Hypotheses** 1986 Oct; 21(2):119–26

[Emile Zola, the placebo effect and parallel medicines] Malinas Y. **Bull Acad Natl Med (Paris)** 1986 Oct; 170(7):861–7 (Eng. Abstr.) **(Fre)**

HISTORY

An eighteenth century view of the placebo effect (Rétif de la Bretonne). Schiller F. **Clio Med** 1984;19(1–2):81–6

PHARMACODYNAMICS

Ultradian chronomodulation by melatonin of a Placebo effect upon human killer cell activity. Lissoni P, et al. **Chronobiologia** 1986 Oct–Dec;13(4):339–43

THERAPEUTIC USE

Placebo does not lower ambulatory blood pressure. Dupont AG, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):106–9

Placebo responses: an experimental study of psychophysiological processes in asthmatic volunteers. Butler C, et al. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):173–83

Does short term placebo treatment of chronic schizophrenia produce long term harm? Curson DA, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):726–8

Fiorinal with Codeine in the management of tension headache: impact of placebo response. Hwang DS, et al. **Clin Ther** 1987;9(2):201–22

Time course of long-term placebo therapy effects in angina pectoris. Boissel JP, et al. **Eur Heart J** 1986 Dec; 7(12):1030–6

The placebo effect. Real or imaginary? Todd B. **Geriatr Nurs (New York)** 1987 May-Jun;8(3):154–6

The problems of taste in placebo matching: an evaluation of zinc gluconate for the common cold. Farr BM, et al. **J Chronic Dis** 1987;40(9):875–9

The placebo effect in agoraphobia. Mavissakalian M. **J Nerv Ment Dis** 1987 Feb;175(2):95–9

Tamoxifen versus placebo: double-blind adjuvant trial in elderly women with stage II breast cancer. Cummings FJ, et al. **NCI Monogr** 1986;(1):119–23

Objective changes in intrauterine pressure during placebo treatment of dysmenorrhea. Smith RP. **Pain** 1987 Apr; 29(1):59–66

[Study of the placebo effect by the pressure profile method] Balansard P, et al. **Presse Med** 1987 Jan 10–17;16(1):19–21 (Eng. Abstr.) **(Fre)**

[Physiopathological significance of the therapeutic action of placebos] Lecomte J. **Rev Med Liege** 1986 Dec 1; 41(23):941–6 **(Fre)**

[Effect and side effects of oral morphine, lormetazepam and placebos as premedication] Tolksdorf W, et al. **Anasth Intensivther Notfallmed** 1987 Jun;22(3):113–7 (Eng. Abstr.) **(Ger)**

[Acute and long-term effects of placebo and molsidomine on pulmonary artery pressure and on workload in patients with coronary heart disease] Jansen W, et al. **Schweiz Rundsch Med Prax** 1986 Oct 7;75(41):1210–4 (Eng. Abstr.) **(Ger)**

[The placebo effect] Pérez Alvarez M. **Med Clin (Barc)** 1987 Jun 20;89(4):153–6 (59 ref.) **(Spa)**

PLACENTA

see related

MATERNAL-FETAL EXCHANGE

Prostaglandin F2 alpha and prostacyclin imbalance in cows with placental retention: new findings. Horta AE, et al. **Ann Rech Vet** 1986;17(4):395–400

Placental grading by ultrasonography as an index of fetal maturity. Its application to the problem of elective caesarean section. Shweni PM, et al. **S Afr Med J** 1986 Oct 25;70(9):525–8

[Echographic observation of chorioangioma of the placenta indicating polyhydramnios and cardiomegaly] Riboni G, et al. **Radiol Med (Torino)** 1987 Jan-Feb;73(1–2):123–5 **(Ita)**

ANALYSIS

The concentrations of ceftazidime and thiopental in maternal plasma, placental tissue and amniotic fluid in early pregnancy. Jørgensen NP, et al. **Acta Obstet Gynecol Scand** 1987;66(1):29–33

Human term placenta releases placental protein 10 (PP10) in tissue culture. Tiitinen A. **Acta Obstet Gynecol Scand** 1986;65(7):705–8

Human placental opioid peptides: correlation to the route of delivery. Ahmed MS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):703–6

Lead and cadmium concentrations in maternal and umbilical cord blood, amniotic fluid, placenta, and amniotic membranes. Korpela H, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1086–9

Immunohistochemical localization of epidermal growth factor receptor and myc oncogene product in human placenta: implication for trophoblast proliferation and differentiation. Maruo T, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):721–7

Development of a specific radioimmunoassay for the placental folate receptor and related high-affinity folate binding proteins in human tissues. Antony AC, et al. **Anal Biochem** 1987 Apr;162(1):224–35

Developmental study of human fetal placental fibronectin: alterations in carbohydrates of tissue fibronectin during gestation. Zhu BC, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):1–6

The immunocytochemical localization of new soluble placental tissue proteins (PP14, 16, 17, 19, 20 and PP21) in human and cynomolgus monkey placentae. Inaba N, et al. **Arch Gynecol** 1987;240(1):13–9

Morphological demonstration of non-heme iron and iron-binding proteins in placentas from cases of congenital nephrotic syndrome of Finnish type. Barresi G, et al. **Basic Appl Histochem** 1987;31(2):199–206

Purification of decidual prolactin-releasing factor, a placental protein that stimulates prolactin release from human decidual tissue. Handwerger S, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):452–9

Isolation and characterization of three forms of 36-kDa Ca2+-dependent actin- and phospholipid-binding proteins from human placenta membrane. Hayashi H, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):912–9

Partial characterization of the heteropolysaccharide associated with the 7S domain of type IV collagen from placenta. Leushner JR. **Biochem Cell Biol** 1987 May; 65(5):501–6

Structural features of growth factor receptors with oncogenic potential. Chen E, et al. **Biochem Soc Symp** 1986;52:65–82

Purification and partial characterization of cellular retinoic acid-binding protein from human placenta. Okuno M, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):116–24

Platelet derived growth factor is present in human placenta: purification from an industrially processed fraction. Marez A, et al. **Biochimie** 1987 Feb;69(2):125–9

Detection of distinct receptors for native and acetylated low-density lipoproteins in human placental microvilli by ligand-immunoblotting. Rebourcet R, et al. **Biochimie** 1986 Sep;68(9):1135–40

Polyol accumulation in human placenta and umbilical cord. Toh N, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):13–5

Production of human hematopoietic survival and growth factor by a myeloid leukemia cell line (KPB-M15) and placenta as detected by a monoclonal antibody. Hiraoka A, et al. **Cancer Res** 1987 Oct 1;47(19):5025–30

Ah receptor in human placenta: stabilization by molybdate and characterization of binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin, 3-methylcholanthrene, and benzo(a)pyrene. Manchester DK, et al. **Cancer Res** 1987 Sep 15;47(18):4861–8

Purification of placental protein PP12 from human amniotic fluid and its comparison with PP12 from placenta by immunological, physicochemical and somatomedin-binding properties. Koistinen R, et al. **Clin Chim Acta** 1987 May 15;164(3):293–303

The effects of tissue pretreatment and pepsin levels on the isolation of collagens from human placenta. Klasson SC, et al. **Coll Relat Res** 1986 Dec;6(5):397–408

Laminin M is found in placental basement membranes, but not in basement membranes of neoplastic origin. Ohno M, et al. **Connect Tissue Res** 1986;15(3):199–207

Nephritogenic glycoprotein. VIII. Isolation and partial characterization of nephritogenic glycopeptide (nephritogenoside) from the terminal chorionic villus of human placenta. Shibata S, et al. **Connect Tissue Res** 1987; 16(2):153–62

Structural analysis of the polymorphic 3' region of the human chorionic gonadotropin-alpha gene in normal placenta and choriocarcinoma cells. Otani T, et al. **Endocrinology** 1986 Nov;119(5):2124–8

Gas chromatographic and mass spectrometric analysis of polychlorinated biphenyls in human placenta and cord blood. Ando M, et al. **Environ Res** 1986 Oct;41(1):14–22

Gene distribution and nucleotide sequence organization in the human genome. Zerial M, et al. **Eur J Biochem** 1986 Nov 3;160(3):479–85

Angiogenic factor from human term placenta. Purification and partial characterization. Burgos H. **Eur J Clin Invest** 1986 Dec;16(6):486–93

Chemical and biological characterization of an active substance of the human placenta. Brovetto-Cruz J, et al. **Eur J Obstet Gynecol Reprod Biol** 1976;6(3):109–14

Mitogenic effect of a human placental factor on astrocytes and glial precursors. Mercanti D, et al. **Exp Cell Res** 1987 Jan;168(1):182–90

New monoclonal antibody enzymoassay for the specific measurement of placental ferritin isotype in hematologic malignancies. Moroz C, et al. **Exp Hematol** 1987 Mar; 15(3):258–62

Apolipoprotein A-I-binding protein from human term placenta. Purification and partial characterization. Keso L, et al. **FEBS Lett** 1987 May 4;215(1):105–8

Thrombomodulin activity is found in tissue thromboplastin preparations from placenta and from lung but not from brain. Freyssinet JM, et al. **Haemostasis** 1987;17(3):114–20

Further characterization and structural studies on human placenta lectin. Hirabayashi J, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):987–95

Purification of a beta 35 form of the beta gamma complex common to G-proteins from human placental membranes. Evans T, et al. **J Biol Chem** 1987 Jan 5;262(1):176–81

Isolation of functional alpha beta heterodimers from the purified human placental alpha 2 beta 2 heterotetrameric insulin receptor complex. A structural basis for insulin binding heterogeneity. Sweet LJ, et al. **J Biol Chem** 1987 May 25;262(15):6939–42

Purification and characterization of granulocyte-macrophage colony stimulating factor from human placenta. Cukrová V, et al. **J Chromatogr** 1987 Jan 23;413:242–6

Immunocytochemical localization of prolactin and relaxin C-peptide in human decidua and placenta. Sakbun V, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):339–43

Characterization of particle-associated choriomammotrophin and progesterone in ovine placentomes. Rice GE, et al. **J Endocrinol** 1986 Nov;111(2):217–23

Labor in humans: 1. Progesterone, 20 alpha-dihydro-progesterone, estrone and 17 beta-estradiol in near placental and most distant human amnion and chorion laeve in various stages of labor at term. Cinque B, et al. **J Endocrinol Invest** 1986 Dec;9(6):487–90

Feasibility of prenatal diagnosis of nonketotic hyperglycinemia: existence of the glycine cleavage system in placenta. Hayasaka K, et al. **J Pediatr** 1987 Jan; 110(1):124–6

Identification of dynorphin 1–8 in human placenta by mass spectrometry. Ahmed MS, et al. **Life Sci** 1987 May 25; 40(21):2067–76

Interaction with lectin of kappa opioid binding sites solubilized from human placenta. Valette A, et al. **Life Sci** 1987 Feb 9;40(6):535–40

Identification and molecular weight of SP1 synthesized from mRNA of human placenta in a wheat germ cell-free system. Bocco JL, et al. **Mol Biol Rep** 1987;12(1):55–9

Gonadotropin-releasing hormone-like immunoreactivity in rat placenta. Sarkar DK. **Neuroendocrinology** 1986; 44(3):397–400

Effect of manganese on human placental spin-lattice (T1) and spin-spin (T2) relaxation times. Angtuaco TL, et al. **Physiol Chem Phys Med NMR** 1986;18(1):41–8

Effects of manganese (Mn++) and iron (Fe+++) on magnetic resonance imaging (MRI) characteristics of human placenta and amniotic fluid. Plowchalk DR, et al. **Physiol Chem Phys Med NMR** 1987;19(1):35–41

Triiodothyronine (T3) nuclear binding sites in human placenta and decidua. Banovac K, et al. **Placenta** 1986 Nov-Dec;7(6):543–9

The influence of mode of fixation on morphometrical data derived from terminal villi in the human placenta at term: a comparison of immersion and perfusion fixation. Burton GJ, et al. **Placenta** 1987 Jan-Feb;8(1):37–51

Localization of glycogen in the placenta of diabetic rats: a light and electron microscopic study. Ne'eman Z, et al. **Placenta** 1987 Mar-Apr;8(2):201–8

Glycogen content of placenta and of fetal and maternal liver in cadmium-exposed rats. I: A descriptive light microscopic study. Roelfzema WH, et al. **Placenta** 1987 Jan-Feb;8(1):27–36

Characterization of the mouse placental epidermal growth factor receptor: changes in receptor number with day of gestation. Smith WC, et al. **Placenta** 1986 Nov-Dec; 7(6):511–22

Molecular cloning of a prolactin-related mRNA expressed in bovine placenta. Schuler LA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5650–4

Plasminogen activator inhibitors from placenta and fibrosarcoma cells are antigenically different as evaluated with monoclonal and polyclonal antibodies. Nielsen LS, et al. **Thromb Res** 1987 May 1;46(3):411–23

[Placental estrogen and progesterone receptors in relation to gestational stage] Gao YL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):261–3, 317 (Eng. Abstr.) **(Chi)**

[Immunohistochemical study of the area of placental insertion] Frusca T, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep-Oct;107(5):251–7 (Eng. Abstr.) **(Ita)**

[Quantitative analysis of sugars present in acid hydrolysates of full-term placentas from normal pregnant women and pregnant women with rheumatoid arthritis] Laureti E, et al. **Minerva Ginecol** 1987 May;39(5):311–3 (Eng. Abstr.) **(Ita)**

[Placental tissue maturity and the presence of fibronectin. Immunohistochemical study] Laureti E, et al. **Minerva Ginecol** 1987 May;39(5):307–9 (Eng. Abstr.) **(Ita)**

[Measurement of K vitamins in the human placenta by high-performance liquid chromatography with fluorometric detection] Hiraike H, et al. **Nippon Eiseigaku Zasshi** 1986 Oct;41(4):764–8 (Eng. Abstr.) **(Jpn)**

[A high-molecular-weight protease, ingensin, from human placental chorionic tissue--purification and studies of biochemical and physiological properties] Nojima M. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):613–20 (Eng. Abstr.) **(Jpn)**

[Detection of 6-keto-prostaglandin F1 alpha and thromboxane B2 in human placental tissues] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1653–4 **(Jpn)**

[Isolation of metallothionein from the human placenta] Milnerowicz H, et al. **Folia Med Cracov** 1987; 28(1–2):105–16 (Eng. Abstr.) **(Pol)**

[Concentration of various mineral elements in the placental tissue of women engaged in the production of mineral fertilizers] Sutta TV, et al. **Gig Tr Prof Zabol** 1987 Jul; (7):27–9 (Eng. Abstr.) **(Rus)**

[Lipid composition of the placenta of rats with protein restriction and deficiency of essential fatty acids] Araya J, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):327–37 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Early placentation in the African green monkey (Cercopithecus aethiops). Owiti GE, et al. **Acta Anat (Basel)** 1986;127(3):184–94

Location of placenta and clinical course of labour. Davydov SN, et al. **Acta Chir Hung** 1987;28(1):3–8

Magnetic resonance imaging of monkey placenta with manganese enhancement. Kay HH, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):185–9

Advanced ultrasonic placental maturation in twin pregnancies. Ohel G, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):76–8

Placental volume measurement by ultrasonography: evaluation of the method. Wolf H, et al. **Am J Obstet Gynecol** 1987 May;156(5):1191–4

The human placenta. Anatomy and morphology. Panigel M. **Clin Obstet Gynaecol** 1986 Sep;13(3):421–45 (39 ref.)

Quantitative morphology of the placenta. III. The growth of the placenta and its relationship to birth weight. Bouw GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr; 8(2):73–6

Do placental weights have clinical significance? Naeye RL. **Hum Pathol** 1987 Apr;18(4):387–91

Birthweight and placental weight, Thailand 1982–1983. Nondasuta A, et al. **J Med Assoc Thai** 1986 Jul;69(7):353–7

Intralobular variations in barrier thickness in the mature human placenta. Critchley GR, et al. **Placenta** 1987 Mar-Apr;8(2):185–94

Raised maternal serum alpha-fetoprotein in the absence of fetal abnormality--placental findings. A quantitative morphometric study. Boyd PA, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):369–73

Ultrasound placental localisation in early pregnancy. Khan AT, et al. **Scott Med J** 1987 Feb;32(1):19–21

[Standardization of methods of human placental morphometry] Milovanov AP, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):72–8 **(Rus)**

[Correlation between changes in placental structure and fetal lung maturity in ultrasound examinations] Hodek B, et al. **Jugosl Ginekol Perinatol** 1986 May-Aug;26(3–4):69–71 (Eng. Abstr.) **(Scr)**

BLOOD SUPPLY

Examination of uteroplacental blood flow with 113m In (in physiological pregnancies). Rýznar V, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;114:211–23

Uteroplacental blood flow in the hypertensive, term pregnant, spontaneously hypertensive rat. Ahokas RA, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1010–5

Uterine-umbilical velocimetry in open heart surgery. Farmakides G, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1221–2

Maternal estradiol response to alterations in uteroplacental blood flow. Fritz MA, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1317–25

A comparison of the hemodynamic responses of systematic and uteroplacental vasculature to angiotensin in conscious guinea pigs. Hariharan S, et al. **Am J Perinatol** 1987 Jul; 4(3):235–9

The basement membrane of the persisting maternal blood vessels in the placenta of Callithrix jacchus. Merker HJ, et al. **Anat Embryol (Berl)** 1987;176(1):87–97

Trophoblast-decidual cell interactions and establishment of maternal blood circulation in the parietal yolk sac placenta of the rat. Welsh AO, et al. **Anat Rec** 1987 Feb; 217(2):203–19

Fetal nutrition and brain growth. Winick M. **Ann NY Acad Sci** 1986;477:194–5

In vitro study on isolated tissues: applications to perinatology. Di Tommaso M, et al. **Biol Res Pregnancy Perinatol** 1986; 7(3):111–2

Effect of prostacyclin on the perfusion pressure and on the vasoconstrictor response of angiotensin II in the human isolated foetal placental circulation. Soares de Moura R. **Br J Clin Pharmacol** 1987 Jun;23(6):765–8

Defective haemochorial placentation as a cause of miscarriage: a preliminary study. Khong TY, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):649–55

Inadequate maternal vascular response to placentation in pregnancies complicated by pre-eclampsia and by small-for-gestational age infants. Khong TY, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1049–59

An injection-corrosion study of the fetal and maternal vascular systems in the placenta of the rhesus monkey. Arts NF, et al. **Eur J Obstet Gynecol Reprod Biol** 1974; 4(4):133–41

Control of the uteroplacental circulation in health and disease. Asśali NS, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):43–55 (45 ref.)

Maternal blood supply to the coneptus. Gruenwald P. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):23–34

Radionuclide and angiographic studies of placental circulation in man and rhesus monkey. Panigel M, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(5):251–62

Uteroplacental vascular pathology. Robertson WB, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):47–65

The effect of a low-dose infusion of ritodrine on cardiac output distribution and uteroplacental blood flow in unanaesthetized pregnant guinea pigs. van de Walle AF, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May; 25(1):67–75

Effect of reducing uteroplacental blood flow on movements and on electrocortical activity of fetal sheep. Martin CB Jr, et al. **Gynecol Obstet Invest** 1987;23(1):34–9

Antenatal assessment of utero-feto-placental blood velocity waveforms in a pregnant patient with severe systemic lupus erythematosus. Meizner I, et al. **Isr J Med Sci** 1987 Apr; 23(4):290–1

Effects of acute and prolonged exposure to heat on regional blood flows in pregnant sheep. Alexander G, et al. **J Dev Physiol** 1987 Feb;9(1):1–15

Control of human placental blood flow. Howard RB. **Med Hypotheses** 1987 May;23(1):51–8

Influence of maternal hyperoxia or hypercarbia on the hemodynamics of the placenta and fetal brain. Hidaka A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1754–62

Diagnosis of vasa previa with ultrasonography. Gianopoulos J, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):488–91

Effect of the khat alkaloid (+)norpseudoephedrine on uteroplacental blood flow in the guinea pig. Jansson T, et al. **Pharmacology** 1987;34(2–3):89–95

Arachidonic acid metabolites and the regulation of placental and other vascular tone during pregnancy. Parisi VM, et al. **Semin Perinatol** 1986 Oct;10(4):288–98

[Relation of the reactivity of placental vessels in vitro to the clinical course of pregnancy, labor and the status of the neonate after delivery. I. The effect of individually studied factors on the reactivity of placental vessels] Jungmannová C. **Cesk Gynekol** 1987 Mar;52(2):98–104 (Eng. Abstr.) **(Cze)**

[Relation between the reactivity of placental arteries in vitro to the course of the pregnancy, the delivery and the status of the neonate. II. The effect of combinations of various factors on the reactivity of placental arteries] Jungmannová C, et al. **Cesk Gynekol** 1987 Apr;52(3):187–97 (Eng. Abstr.) **(Cze)**

[Uteroplacental blood flow in various parts of the placenta] Rýznar V, et al. **Cesk Gynekol** 1987 Mar;52(2):93–7 (Eng. Abstr.) **(Cze)**

[Hypertension in pregnancy and its effect on uteroplacental blood circulation] Rýznar V, et al. **Cesk Gynekol** 1987 May; 52(4):257–62 (Eng. Abstr.) **(Cze)**

[Rheography in pregnancy--a noninvasive method of early detection of placental insufficiency] Feiks A, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):700–5 (Eng. Abstr.) **(Ger)**

[Microvascularization of the goat placenta demonstrated by scanning electron microscopic examination of vessel casts] Leiser R. **Schweiz Arch Tierheilkd** 1987 Feb;129(2):59–74 (Eng. Abstr.) **(Ger)**

[Placental circulation in simultaneous beta-stimulation using hexoprenaline and beta-1 blockade with celiprolol] Schurz AR, et al. **Z Geburtshilfe Perinatol** 1987 Jan-Feb; 191(1):29–33 (Eng. Abstr.) **(Ger)**

[Hemodynamic placental insufficiency and its therapeutic modification in threatened premature labor] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1986;108(16):974–82 (Eng. Abstr.) **(Ger)**

[Clinical significance of ultrasonic examination of fetal and placental circulation] Illyés M, et al. **Orv Hetil** 1987 Mar 22;128(12):613–8 (Eng. Abstr.) **(Hun)**

[Isotope perfusion studies of the placenta completed with external tocometry] Koloszár S, et al. **Orv Hetil** 1986 Nov 30;127(48):2931–2, 2935 (Eng. Abstr.) **(Hun)**

[Effects of uterine contraction and a beta-stimulant on placental and fetal brain blood flow in correlation with fetal heart rate changes] Hidaka A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):373–9 (Eng. Abstr.) **(Jpn)**

[Studies on the interrelation of fetal heart rate change, placental findings and fetal outcome] Tonari M. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May;39(5):751–8 (Eng. Abstr.) **(Jpn)**

[Study on utero-placental circulation by pulsed-Doppler technique--blood flowmetric study in placental pores] Tsuzaki T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1563–8 (Eng. Abstr.) **(Jpn)**

[Dynamics of utero-placental blood flow and endocrine indices of the feto-placental system in women with pregnancy complications] Kastelianos P, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):32–5 (Eng. Abstr.) **(Rus)**

[Hemodynamic reactions maintaining adequate oxygen supply to the fetus] Garmasheva NL. **Vestn Akad Med Nauk SSSR** 1987;(4):39–44 (Eng. Abstr.) **(Rus)**

[Prognostic and diagnostic significance of the microhemocirculation of the utero-placental complex in fetal hypoxia] Stepankovskaia GK. **Vestn Akad Med Nauk SSSR** 1987;(4):60–3 (Eng. Abstr.) **(Rus)**

[New possibilities in the diagnosis of the state of fetoplacental circulation and its use in clinical fetal pharmacology] Kováč R, et al. **Cas Lek Cesk** 1986 Dec 12;125(50):1537–40 (Eng. Abstr.) **(Slo)**

[Utero-placental circulatory changes during labor] Clavero Núñez JA. **An R Acad Nac Med (Madr)** 1986;103(4):571–93 **(Spa)**

CYTOLOGY

Placental grading with ultrasound in hypertensive and

normotensive pregnancies. A prospective, consecutive study. Montan S, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):477–80

Atrial natriuretic factor induced phosphorylation of human placental membrane protein: an effect mimicked by guanosine 3',5'-cyclic monophosphate. Sen I, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):431–8

A new technique for the isolation of placental phagocyte cells and a description of their macrophage properties after in vitro culture. Oliveira LH, et al. **Braz J Med Biol Res** 1986;19(2):249–55

Establishment and characterization of a tumorigenic trophoblast-like cell line from a human placenta. Ho CK, et al. **Cancer Res** 1987 Jun 15;47(12):3220–4

An immunocytochemical study of fetal cells at the maternal-placental interface using monoclonal antibodies to keratins, vimentin and desmin. Khong TY, et al. **Cell Tissue Res** 1986;246(1):189–95

myc expression in vivo during human embryogenesis. Ohlsson RI, et al. **Curr Top Microbiol Immunol** 1986; 132:272–9

Critical factors in establishing monolayer cultures of normal human placental cells in serum-free medium. Morrish DW, et al. **Endocr Res** 1986;12(3):229–53

Morphological anomalies in the placentae of IVF pregnancies: preliminary report of a multicentric study. Englert Y, et al. **Hum Reprod** 1987 Feb;2(2):155–7

Isolation and characterization of a mannose-specific endocytosis receptor from human placenta. Lennartz MR, et al. **J Biol Chem** 1987 Jul 25;262(21):9942–4

Light and electron microscope immunocytochemical studies on the role of binucleate cells in villus growth in goat placentomes. Lee CS, et al. **J Submicrosc Cytol** 1986 Oct; 18(4):661–72

Cellular localisation in placenta of placental type plasminogen activator inhibitor. Astedt B, et al. **Thromb Haemost** 1986 Aug 20;56(1):63–5

[Importance of the cytomorphological study of the after-birth in diagnosing puerperal endometritis] Utkin VM, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):30–2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibitory effects of nitrendipine on myometrial and vascular smooth muscle in human pregnant uterus and placenta. Maigaard S, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):1–10

Effect of acute ethanol administration on diamine oxidase activity in maternal, embryonal and fetal tissues. Sessa A, et al. **Agents Actions** 1987 Jun;21(1–2):49–53

The effect of hydralazine on placental perfusion in the spontaneously hypertensive rat. Lipshitz J, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):356–9

Effects of adenosine 3',5'-cyclic monophosphate, forskolin, and cholera toxin on hormone production in human term placental cells. Zhou F, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):420–4

Effect of medroxyprogesterone acetate on hepatic and placental drug metabolism in rats. Helferich WG, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3655–8

GnRH effects on placental hormones during gestation. III. Prostaglandin E, prostaglandin F, and 13,14-dihydro-15-keto-prostaglandin F. Siler-Khodr TM, et al. **Biol Reprod** 1986 Sep;35(2):312–9

Placental transfer of drugs. Chamberlain G. **Clin Exp Obstet Gynecol** 1986;13(3–4):107–12 (4 ref.)

A murine model for the assessment of placental and fetal development in teratogenicity studies. Hau J, et al. **Lab Anim** 1987 Jan;21(1):26–30

Evidence for local stimulation of ACTH secretion by corticotropin-releasing factor in human placenta. Petraglia F, et al. **Nature** 1987 Aug 20–26;328(6132):717–9

Gestational age-related inhibition of placental hCG, alpha hCG and steroid hormone release in vitro by a GnRH antagonist. Siler-Khodr TM, et al. **Placenta** 1987 Jan–Feb; 8(1):1–14

Differential inhibition of human placental prostaglandin release in vitro by a GnRH antagonist. Siler-Khodr TM, et al. **Prostaglandins** 1986 Jun;31(6):1003–10

ENZYMOLOGY

Purification of steroid sulphohydrolase from human placenta microsomes. Gniot-Szulżycka J, et al. **Acta Biochim Pol** 1986;33(3):203–15

Modulation of the substrate specificity of purified human protein kinase C by its activators. Hansson A, et al. **Acta Chem Scand [B]** 1987 Mar;41(3):174–9

Human placental cytoplasmic 5'-nucleotidase: kinetics and molecular properties. Madrid-Marina V, et al. **Adv Exp Med Biol** 1986;195 Pt B:291–7

Increased fetoplacental active renin production in pregnancy-induced hypertension. Brar HS, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):363–7

Polyamine oxidase in human retroplacental serum inhibits the growth of Plasmodium falciparum. Egan JE, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):890–7

Purification of human placental glucocerebrosidase using a two-step high-performance hydrophobic and gel permeation column chromatography method. Choy FY. **Anal Biochem** 1986 Aug 1;156(2):515–20

Effects of exposure to air pollution and smoking on the placental aryl hydrocarbon hydroxylase (AHH) activity. Hincal F. **Arch Environ Health** 1986 Nov–Dec;41(6):377–83

Steroid sulfatase deficiency: enzymatic studies using placenta and leucocytes in one family [published erratum appears in Asia Oceania J Obstet Gynaecol 1987 Mar;13(1):following 126] Sakai S, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):555–61

Solubilisation and reconstitution of acylcoenzyme A:estradiol-17 beta acyltransferase. Lee FT, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):569–75

The constitutive 7-ethoxycoumarin O-deethylase activity of human placental microsomes: relationship to aromatase. Meigs RA. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1012–8

Periodate-oxidized NADP+ is a powerful inhibitor of human placental estradiol-17 beta dehydrogenase. Mendoza-Hernández G, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):645–51

Identification of a characteristic cytosolic polypeptide of rat preneoplastic hepatocyte nodules as placental glutathione S-transferase. Rushmore TH, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):98–103

Purification of 5'-nucleotidase from human placenta after release from plasma membranes by phosphatidylinositol-specific phospholipase C. Thompson LF, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):118–25

Glutathione transferase of human breast is closely related to transferase of human placenta and erythrocytes. Di Ilio C, et al. **Biochem Int** 1986 Aug;13(2):263–9

Purification of human procollagen type III N-proteinase from placenta and preparation of antiserum. Halila R, et al. **Biochem J** 1986 Oct 1;239(1):47–52

Protein disulphide-isomerase from human placenta and rat liver. Purification and immunological characterization with monoclonal antibodies. Kaetzel CS, et al. **Biochem J** 1987 Jan 1;241(1):39–47

Conversion of human placental alkaline phosphatase from a high Mr form to a low Mr form during butanol extraction. An investigation of the role of endogenous phosphoinositide-specific phospholipases. Malik AS, et al. **Biochem J** 1986 Dec 1;240(2):519–27

H.p.l.c. separation and study of the charge isomers of human placental glutathione transferase. Radulovic LL, et al. **Biochem J** 1986 Oct 1;239(1):53–7

Covalently bound pyrroloquinoline quinone is the organic prosthetic group in human placental lysyl oxidase. van der Meer RA, et al. **Biochem J** 1986 Nov 1;239(3):789–91

Purification and characterization of a membrane-bound neutral endopeptidase from human placenta. Watanabe Y, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):22–30

Human placental glutathione S-transferase-mediated metabolism of methyl parathion. Radulovic LL, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3473–80

Human placental DNA polymerase delta: identification of a 170-kilodalton polypeptide by activity staining and immunoblotting. Lee MY, et al. **Biochemistry** 1987 Feb 24; 26(4):1076–85

Immunoelectron microscopic analysis of the binding of monoclonal antibodies to molecular variants of human placental alkaline phosphatase. Takeya M, et al. **Biochemistry** 1986 Nov 18;25(23):7731–5

Comparison of the properties of a soluble form of glucocerebrosidase from human urine with those of the membrane-associated tissue enzyme. Aerts JM, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):63–70

Presence of immunoreactive material in Niemann-Pick type A placenta using anti-sphingomyelinase rabbit gammaglobulins. Rousson R, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):502–8

Purification and properties of the human placental uracil DNA glycosylase. Seal G, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):226–33

A low-calcium-requiring calcium-activated neutral proteinase from human placenta. Shastri R, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):260–6

Human placental steryl-sulfatase. Enzyme purification, production of antisera, and immunoblotting reactions with normal and sulfatase-deficient placentas. Dibbelt L, et al. **Biol Chem Hoppe Seyler** 1986 Dec;367(12):1223–9

Rat placentae gamma-glutamyltransferase activity changes during pregnancy. Baumrucker CR, et al. **Biol Neonate** 1987;51(6):340–5

The ontogeny of placental Na+-K+ ATPase in the mouse and its impairment by ethanol. Kennedy LA, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):1032–7

Purification and characterization of dipeptidyl aminopeptidase III from human placenta. Shimamori Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3333–40

Isolation and purification of placental type alkaline phosphatase from a seminoma. Shameem GM, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):248–52

Hydrolysis of phosphatidate by human placental alkaline phosphatase. Sumikawa K, et al. **Clin Chim Acta** 1987 Aug 31;167(3):321–8

Immunochemical comparisons of proteins that bind heme and bilirubin: human serum albumin, alpha-fetoprotein and glutathione S-transferases from liver, placenta and erythrocyte. Vander Jagt DL, et al. **Comp Biochem Physiol [B]** 1987;87(3):527–31

Microsomal 20 alpha-hydroxysteroid dehydrogenase activity for progesterone in human placenta. Fukuda T, et al. **Endocrinol Jpn** 1986 Jun;33(3):361–8

Purification and characterization of human placental microsomal aminopeptidase: immunological difference between placental microsomal aminopeptidase and pregnancy serum cystyl-aminopeptidase. Kurauchi O, et al. **Enzyme** 1986;35(4):197–205

Human acid beta-glucosidase: affinity purification of the normal placental and Gaucher disease splenic enzymes on N-alkyl-deoxynojirimycin-sepharose. Osiecki-Newman KM, et al. **Enzyme** 1986;35(3):147–53

Purification and properties of arylsulfatase C from human placenta. Vaccaro AM, et al. **Enzyme** 1987;37(3):115–26

Specificity of human glucosylceramide beta-glucosidase towards synthetic glucosylsphingolipids inserted into liposomes. Kinetic studies in a detergent-free assay system. Sarmientos F, et al. **Eur J Biochem** 1986 Nov 3; 160(3):527–35

Purification and partial characterization of lysosomal neuraminidase from human placenta. Verheijen FW, et al. **Eur J Biochem** 1987 Jan 2;162(1):63–7

Four cases of pregnancy with low estrogen production due to placental enzymatic deficiency. Mango D, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):65–71

Inhibition of placental aromatase activity in a cell free assay by ovarian protein. Campeau JD, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):247–55

Stimulation of phosphatidylinositol 4-phosphate phosphorylation in human placenta membranes by GTP gamma S. Urumow T, et al. **FEBS Lett** 1986 Oct 27; 207(2):253–7

The binding of glucosylceramidase to glucosylceramide is promoted by its activator protein. Vaccaro AM, et al. **FEBS Lett** 1987 Jun 1;216(2):190–4

Prediction of X-linked recessive ichthyosis due to placental sulfatase deficiency. A case report. Meyer JC, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):285–8

Proteases in the human full-term placenta. Gossrau R, et al. **Histochemistry** 1987;86(4):405–13

11 beta-Hydroxysteroid dehydrogenase activity of the human placenta during pregnancy. Blasco MJ, et al. **Horm Metab Res** 1986 Sep;18(9):638–41

Placental oxidative enzymes in pregnancy anaemia. Singla PN, et al. **Indian J Med Res** 1987 Feb;85:176–80

Immunohistochemical demonstration of placental alkaline phosphatase in various states of testicular development and in germ cell tumours. Hustin J, et al. **Int J Androl** 1987 Feb;10(1):29–35

Effects of linoleic acid and cations on the activity of a novel high-molecular weight protease, ingensin, from human placenta. Ishiura S, et al. **Int J Biochem** 1986;18(9):765–9

Dose requirements, assay procedures and tissue specificity for PCB inductation of P-450 dependent mono-oxygenase activity in the rat: implications for design of studies measuring in vivo induction of human placental mono-oxygenases. Wong TK, et al. **J Appl Toxicol** 1987 Apr;7(2):81–90

Human placenta estrogen synthetase (aromatase) purified by affinity chromatography. Hagerman DD. **J Biol Chem** 1987 Feb 15;262(5):2398–400

The active site of aromatase cytochrome P-450. Differential effects of cyanide provide evidence for proximity of heme-iron and carbon-19 in the enzyme-substrate complex. Kellis JT Jr, et al. **J Biol Chem** 1987 Jun 25; 262(18):8840–4

Purification and characterization of human placental aromatase cytochrome P-450. Kellis JT JR, et al. **J Biol Chem** 1987 Mar 25;262(9):4413–20

Purification and characterization of poly (ADP-ribose) synthetase from human placenta. Ushiro H, et al. **J Biol Chem** 1987 Feb 15;262(5):2352–7

Subunit and functional size of human placental DNA methyltransferase involved in de novo and maintenance methylation. Yoo HY, et al. **J Biol Chem** 1987 Jun 15; 262(17):8066–70

Stimulation of creatine kinase activity by calcium-regulating hormones in explants of human amnion, decidua, and placenta. Weisman Y, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1052–6

Liver-specific glucose-6-phosphatase is not present in human placenta. Chen YT, et al. **J Inherited Metab Dis** 1985; 8(2):92–4

Effect of ketoconazole on placental aromatase, 3 beta-hydroxysteroid dehydrogenase-isomerase and 17 beta-hydroxysteroid dehydrogenase. Ayub M, et al. **J Steroid Biochem** 1986 Dec;25(6):981–4

Ovine placental aromatase: studies of activity levels, kinetic characteristics and effects of aromatase inhibitors. France JT, et al. **J Steroid Biochem** 1987 Aug;28(2):155–60

A radioimmunoassay for plasma dehydroepiandrosterone sulphate incorporating placental steroid sulphatase as a hydrolysing reagent. France JT, et al. **J Steroid Biochem** 1986 Sep;25(3):375–8

Oncofetal expression of glutathione S-transferase placental form in human stomach carcinomas. Tsutsumi M, et al. **Jpn J Cancer Res** 1987 Jul;78(7):631–3

Dopamine-stimulated adenylate cyclase in human term placenta. Ferré F. **Life Sci** 1986 Nov 17;39(20):1893–900

Preparation of the flavin-containing aromatic amine oxidases of human placenta and beef liver. Salach JI, et al. **Methods Enzymol** 1987;142:627–37

Antisera against estrogen synthetase from human placental microsomes. Antibody characterization and

cross-reactivity studies in other organs. Bellino FL, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):143-50

Distribution and chronological changes of hydroxysteroid dehydrogenase (HSD) in the cat placenta. Ito J, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):225-33

Purification of placental alkaline phosphatase and its monoclonal antibody. Mano H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1639-46

A 5'——3' exoribonuclease of human placental nuclei: purification and substrate specificity. Stevens A, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):695-708

Platelet inhibitory activity in placentas from normal and abnormal pregnancies. O'Brien WF, et al. **Obstet Gynecol** 1987 Oct;70(4):597-600

Isolation, properties and role in progesterone biosynthesis of cytosolic malic enzyme from human term placenta. Swierczynski J, et al. **Placenta** 1987 Mar-Apr;8(2):175-84

Calcium-activated ATPase of the human placenta: identification, characterization, and functional involvement in calcium transport. Tuan RS, et al. **Placenta** 1987 Jan-Feb;8(1):53-64

Isolation of placental-type alkaline phosphatase associated with human syncytiotrophoblast membranes using monoclonal antibodies. Webb PD, et al. **Placenta** 1986 Sep-Oct;7(5):405-15

Nucleotide and amino acid sequences of human intestinal alkaline phosphatase: close homology to placental alkaline phosphatase. Henthorn PS, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1234-8

Primary structure of blood coagulation factor XIIIa (fibrinoligase, transglutaminase) from human placenta. Takahashi N, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8019-23

Pst I restriction fragment length polymorphism of the human placental alkaline phosphatase gene in normal placentae and tumors. Tsavaler L, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4529-32

Molecular cloning of cDNAs of human liver and placenta NADH-cytochrome b5 reductase. Yubisui T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3609-13

Irreversible inhibition of the human placental NADP-linked 15-hydroxyprostaglandin dehydrogenase/9-ketoprostaglandin reductase by glutathione thiosulfonate. Chung H, et al. **Prostaglandins** 1987 Mar;33(3):391-402

Glutathione mixed disulfide inhibitors of the human placental NADP-linked 15-hydroxyprostaglandin dehydrogenase. Chung H, et al. **Prostaglandins** 1987 Mar;33(3):383-90

Purification of an NAD+-dependent 15-hydroxyprostaglandin dehydrogenase from the human placenta. Nagai K, et al. **Prostaglandins Leukotrienes Med** 1987 Feb;26(2):123-32

3 beta-Hydroxysteroid dehydrogenase in human placental microsomes and mitochondria: co-solubilization of androstene and pregnene activities. Asibey-Berko E, et al. **Steroids** 1986 Jun;47(6):351-63

Induction of the placental form of glutathione S-transferase by lead nitrate administration in rat liver. Roomi MW, et al. **Toxicol Pathol** 1987;15(2):202-5

Comparison of CA 125 and placental alkaline phosphatase as ovarian tumor markers. Heinonen PK, et al. **Tumori** 1987 Jun 30;73(3):301-2

A hidden antigenic determinant on membrane-bound human placental alkaline phosphatase. Stigbrand T, et al. **Tumour Biol** 1987;8(1):34-44

Evidence of high activity carbonic anhydrase in sheep placenta. Szenci O. **Zentralbl Veterinarmed [A]** 1987 Apr; 34(4):314-6

[Follow-up of placental alkaline phosphatase activity—a test for determining the functional state of the placenta] Pekhlivanov B. **Akush Ginekol (Sofiia)** 1987;26(2):59-63 (35 ref.) **(Bul)**

[Detectability of PGM3 types in human body tissues and the stored placenta] Oya M, et al. **Beitr Gerichtl Med** 1986; 44:543-8 (Eng. Abstr.) **(Ger)**

[Serum protease inhibitors (alpha 1-antitrypsin and alpha 1-antichymotrypsin) in the normal human placenta. An immunohistochemical study] Coli A, et al. **Ann Ostet Ginecol Med Perinat** 1986 Jul-Aug; 107(4):186-92 (Eng. Abstr.) **(Ita)**

[Ultracytochemical localization of adenylate cyclase and guanylate cyclase activities in human term placenta] Matsubara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1047-53 (Eng. Abstr.) **(Jpn)**

[Ca2+, phospholipid-dependent protein kinase (C-kinase) in the rat placental chorion] Okuyama T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):233-40 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical and biochemical investigations on glutathione S-transferases in the human placenta] Shiratori Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):547-52 (Eng. Abstr.) **(Jpn)**

[NAD+-dependent 15-hydroxyprostaglandin dehydrogenase from the human term placenta] Tanaka T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):579-85 (Eng. Abstr.) **(Jpn)**

[Placental sulfatase deficiency in Japan] Yanaihara T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May;39(5):861-6 **(Jpn)**

[Placental oxytocinase and alkaline phosphatase activities and the SP1-glycoprotein level in pregnancy complicated by intrauterine fetal growth retardation] Gabryś M, et al. **Ginekol Pol** 1986 Nov;57(11):723-6 (Eng. Abstr.) **(Pol)**

[Placental alkaline phosphatase levels in serum of pregnant women: study in Salvador, Bahia] Silva MC, et al. **Rev Paul Med** 1985 Nov-Dec;103(6):280-3 (Eng. Abstr.) **(Por)**

[Production of placental-type alkaline phosphatase isoenzyme in periapical granuloma] Freidin LI, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):16-8 (Eng. Abstr.) **(Rus)**

[Study of monoamine oxidase from human placenta mitochondria by the chemoluminescence method] Volkovitskaia OE, et al. **Vopr Med Khim** 1986 Sep-Oct; 32(5):77-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoactive products of placenta. V: Soluble factors from murine placenta can block effector stages of maternal antipaternal cell-mediated immunity. Chaouat G, et al. **Am J Reprod Immunol Microbiol** 1986 Nov;12(3):70-7

Ontogeny of expression of Pa and RT1.Aa antigens on rat placenta and on fetal tissues. Ho HN, et al. **Am J Reprod Immunol Microbiol** 1987 Feb;13(2):51-61

Progesterone enhancement of prostaglandin E2 production by fetal placental macrophages. Yagel S, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):45-8

Placental transfer of specific antibodies during ovine congenital toxoplasmosis. Dubey JP, et al. **Am J Vet Res** 1987 Mar;48(3):474-6

Brucella infection and immunity in placenta. Bosseray N. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb;138(1):110-3 (12 ref.)

Identification of class II HLA alloantibodies in placenta-eluted gamma globulins used for treating rheumatoid arthritis. Moynier M, et al. **Arthritis Rheum** 1987 Apr;30(4):375-81

Fetal and maternal uteroplacental leucocytes in aplastic anaemia. Case report. Spearing R, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1163-5

Characterization of the cellular basis for the inhibition of cytolytic effector cells by murine placenta. Clark DA, et al. **Cell Immunol** 1986 Oct 1;102(1):43-51

Identification of Goodpasture target antigens in basement membranes of human glomeruli, lung, and placenta. Weber M, et al. **Clin Exp Immunol** 1987 Feb;67(2):262-9

Immunology of the placenta. Redman CW. **Clin Obstet Gynaecol** 1986 Sep;13(3):469-99 (248 ref.)

Immunogenetic determinants of the size of the fetoplacental unit and their modus operandi. Beer AE. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):135-46

Cellular hyperreactivity to placenta in toxemia of pregnancy. Toder V, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec;9(6):379-84

Identification of extra-villous trophoblast cells in human decidua using an apparently unique murine monoclonal antibody to trophoblast. Mueller UW, et al. **Histochem J** 1987 May;19(5):288-96

A new human trophoblast antigen isolated from immune complexes derived from placental blood and membranes. Crainie M, et al. **J Clin Lab Immunol** 1987 Jun;23(2):63-9

The immunostimulatory effect of T cells and T cell lymphokines on murine fetally derived placental cells. Athanassakis I, et al. **J Immunol** 1987 Jan 1;138(1):37-44

Humoral immune responses in murine pregnancy. V. Relationship to the differential immunogenicity of placental and fetal tissues. Bell SC, et al. **J Reprod Immunol** 1986 Dec;9(4):289-302

Placental immunoregulatory factors. Chaouat G. **J Reprod Immunol** 1987 Mar;10(3):179-88

Early pregnancy factor: large scale isolation of rosette inhibition test-active polypeptides from ovine placental extracts. Clarke FM, et al. **J Reprod Immunol** 1987 Feb; 10(2):133-56

Immunosuppressive properties of human placenta: study of supernatants from short-term syncytiotrophoblast cultures. Culouscou JM, et al. **J Reprod Immunol** 1986 Apr; 9(1):33-47

[Treatment of rheumatoid polyarthritis with IgG eluted from the placenta. Results of an open study on 31 patients] Sany J, et al. **Rev Rhum Mal Osteoartic** 1986 Jul-Sep; 53(7-9):473-9 (Eng. Abstr.) **(Fre)**

[Antiviral activity of the human amniotic fluid and placenta] Yamada K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1535-9 (Eng. Abstr.) **(Jpn)**

[Characteristics of placental antigen isosensitization in the mother-fetus system in late pregnancy toxicosis] Fazleeva LK. **Akush Ginekol (Mosk)** 1987 Apr;(4):19-21 **(Rus)**

[Indices of the pituitary-adrenal system and cellular immunity responses in normal pregnancy and pregnancy complicated by late toxemia] Volkova NN, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):32-4 (Eng. Abstr.) **(Rus)**

INNERVATION

[Nervous system of the extraembryonic organs of the white rat fetus] Kalugina MA. **Arkh Anat Gistol Embriol** 1986 Oct;91(10):21-7 (Eng. Abstr.) **(Rus)**

METABOLISM

2-Hydroxylation and O-methylation of oestrogens by human placenta in vivo. Berg FD, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):272-4

Degradation of parathyroid hormone by placental homogenate. Balabanova S, et al. **Acta Obstet Gynecol Scand** 1986;65(7):775-7

Phosphate transport through placenta brush border membrane. Brunette MG, et al. **Adv Exp Med Biol** 1986; 208:543-8

Cell culture models for the study of purine metabolism in human placental tissue. Raivio KO, et al. **Adv Exp Med Biol** 1986;195 Pt B:535-40

Placental glycolysis and energy metabolism in preeclampsia. Bloxam DL, et al. **Am J Obstet Gynecol** 1987 Jul; 157(1):97-101

Levels of epidermal growth factor binding in third-trimester and term human placentas: elevated binding in term placentas of male fetuses. Brown MJ, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):716-20

Effects of maternal anemia on uteroplacental and fetal oxidative metabolism in sheep. Paulone ME, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):230-6

Na+-H+ exchanger of human placental brush-border membrane: identification and characterization. Balkovetz DF, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C852-60

Effect of iron chelators on placental uptake and transfer of iron in rat. Wong CT, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C477-82

Comments on reports on hormone synthesis and regulation [letter] Conley A. **Am J Vet Res** 1986 Nov;47(11):2479

Pharmacokinetics and placental transfer of intravenous and epidural alfentanil in parturient women. Gepts E, et al. **Anesth Analg** 1986 Nov;65(11):1155-60

Effects of ethanol on rat placental and fetal hepatocyte transport of amino acids. Henderson GI, et al. **Ann NY Acad Sci** 1987;492:224-32

Immunohistochemical location of HPL, SP1 and beta-HCG in normal placentas of varying gestational age. Beck T, et al. **Arch Gynecol** 1986;239(2):63-74

Phosphate metabolism and foetal growth in the rat. III. Net transfer of 31P and 32P inorganic phosphate from the maternal plasma to the placenta after foetectomy. van Bogaert EC, et al. **Arch Int Physiol Biochim** 1986 Jun; 94(2):135-49

Serum protein distribution in hydatidiform mole. An immunohistochemical study. Massi G, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):723-5

In vitro study on thyroid hormone metabolism of human placenta in early pregnancy. Adachi T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):385-93

Immunocytochemical study of the placenta of a twin pregnancy with a retained dead fetus. Ikarashi T, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):227-34

The effects of insulin-like growth factor-I and insulin on placental lactogen production by human term placental explants. Bhaumick B, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):674-82

The human placenta: a novel source of inhibin. McLachlan RI, et al. **Biochem Biophys Res Commun** 1986 Oct 30; 140(2):485-90

Gonadotropin releasing hormone (GnRH) stimulates both secretion and synthesis of human chorionic gonadotropin (hCG) by first trimester human placental minces in vitro. Mathialagan N, et al. **Biochem Int** 1986 Nov;13(5):757-65

Characterization of tryptophan transport in human placental brush-border membrane vesicles. Ganapathy ME, et al. **Biochem J** 1986 Aug 15;238(1):201-8

Interaction of clonidine with human placental Na+ -H+ exchanger. Ganapathy ME, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3989-94

External anions regulate stilbene-sensitive proton transport in placental brush border vesicles. Cabrini G, et al. **Biochemistry** 1986 Oct 7;25(20):6300-5

Lipid domain structure correlated with membrane protein function in placental microvillus vesicles. Illsley NP, et al. **Biochemistry** 1987 Jan 27;26(2):446-54

Epidermal growth factor dependent phosphorylation of a 35-kilodalton protein in placental membranes. Sheets EE, et al. **Biochemistry** 1987 Feb 24;26(4):1164-72

Improved purification of the human placental transferrin receptor and a novel immunoradiometric assay for receptor protein. Anderson GJ, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):225-33

Characterization and specificity of lipoprotein binding to term human placental membranes. Naoum HG, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):193-9

Human placental ferritin receptor. Takami M, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):31-8

Placental transfer of non-esterified fatty acids in normal and diabetic pregnancy. Thomas CR. **Biol Neonate** 1987; 51(2):94-101 (83 ref.)

Failure of placenta to produce hPL in an otherwise uneventful pregnancy: a case report. Barbieri F, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):131-3

Cytochrome P-450 in the mitochondria from human placenta in early pregnancy. Boguslawski W. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):16-7

External anions relieve DIDS inhibition of SO4 efflux from placental membrane vesicles. Shennan DB, et al. **Biosci Rep** 1986 Oct;6(10):889-94

Placental transfer of flunitrazepam following intramuscular administration during labour. Kanto J, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):491-4

The placental transport of [3H]vitamin K1 in rats. Hamulyák K, et al. **Br J Haematol** 1987 Mar;65(3):335–8

Strain-dependent differences in the metabolism of 3-methylcholanthrene by maternal, placental, and fetal tissues of C57BL/6J and DBA/2J mice. George JD, et al. **Cancer Res** 1986 Nov;46(11):5671–5

Differential modulation of human chorionic gonadotropin production by methotrexate in normal and malignant placental cultures and its increase by dibutyryl cyclic adenosine monophosphate and/or actinomycin D in normal cultures. Huot RI, et al. **Cancer Res** 1987 Jan 15;47(2):383–7

Placental synthesis. Chard T. **Clin Obstet Gynaecol** 1986 Sep; 13(3):447–67 (117 ref.)

Transplacental pharmacokinetics of the antituberculosis drugs. Holdiness MR. **Clin Pharmacokinet** 1987 Aug; 13(2):125–9 (23 ref.)

Transplacental metabolism of dexamethasone and cortisol in the late gestational age rhesus monkey (Macaca mulatta). Althaus ZR, et al. **Dev Pharmacol Ther** 1986;9(5):332–49

Placental transfer of omeprazole in maternal and fetal sheep. Ching MS, et al. **Dev Pharmacol Ther** 1986;9(5):323–31

Evaluation of murine placental degradation and transfer of [125I]iodo-epidermal growth factor. DiAugustine RP, et al. **Endocrinology** 1987 Mar;120(3):1190–200

Nuclear acceptor sites for progesterone-receptor complexes in rat placenta. Ogle TF. **Endocrinology** 1987 Jul; 121(1):28–35

Fetal regulation of transplacental cortisol–cortisone metabolism in the baboon. Pepe GJ, et al. **Endocrinology** 1987 Jun;120(6):2529–33

Opposite effect of human chorionic gonadotropin on placental and ovarian synthesis of androstenedione. Warshaw ML, et al. **Endocrinology** 1987 May; 120(5):2003–10

The concentration and chemical status of arsenic in the early placentas of arsenate-dosed hamsters. Hanlon DP, et al. **Environ Res** 1987 Apr;42(2):546–52

The effect of oxytocin and betamimetic stimulation on prostaglandin release in perfused human fetal placenta. Ekblad U. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov; 23(3–4):153–8

The conversion of dehydroepiandrosterone to estrogen--a dynamic placental function test. Klopper A, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):93–100

Placental transfer of thiamphenicol in term pregnancy. Plomp TA, et al. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(6):383–8

Transfer and dynamics of uric acid in the pregnant rhesus monkey. I. Transplacental and renal uric acid clearances. Wallenburg HC, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):211–7

Activity of human, bovine and porcine platelet-derived growth factor in a radioreceptor assay with human placental membrane protein. Czyrski JA, et al. **FEBS Lett** 1987 Jul 27;219(2):331–4

Distribution of iron in pig placenta (Sus scrofa dom. L.). Bielańska-Osuchowska Z, et al. **Folia Histochem Cytobiol** 1987;25(1):29–43

Human placental lipid peroxidation--II. NADPH and iron dependent stimulation of microsomal lipid peroxidation by paraquat. Kenel MF, et al. **Gen Pharmacol** 1987;18(4):373–8

L-alanine carriers at maternal and fetal surfaces of the guinea pig placenta trophoblast. Carstensen MH, et al. **Gynecol Obstet Invest** 1986;22(4):172–85

Immunohistochemical localization of fibronectin in the human placentas at their different stages of maturation. Yamada T, et al. **Histochemistry** 1987;86(6):579–84

Measurement of thyroid hormone concentrations in human placenta. Yoshida K, et al. **Horm Metab Res** 1987 Mar; 19(3):130–3

Age related changes of gluconeogenic activity in human placenta during foetal development. Sengupta T, et al. **Indian J Med Res** 1986 Oct;84:385–9

Decreased exchange of adenine nucleotides in human placental mitochondria. Martínez F, et al. **Int J Biochem** 1987;19(3):275–9

Effect of prostaglandin F2 alpha-induced luteolysis on in vivo and in vitro progesterone production by individual placentomes of cows. Conley AJ, et al. **J Anim Sci** 1987 Aug;65(2):500–7

Occurrence of cytochrome P-450 with prostaglandin omega-hydroxylase activity in rabbit placental microsomes. Yamamoto S, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):175–81

Comparison of insulin-like growth factor I receptor and insulin receptor purified from human placental membranes. Fujita-Yamaguchi Y, et al. **J Biol Chem** 1986 Dec 15; 261(35):16727–31

Characterization of lipocortin I and an immunologically unrelated 33-kDa protein as epidermal growth factor receptor/kinase substrates and phospholipase A2 inhibitors. Haigler HT, et al. **J Biol Chem** 1987 May 15; 262(14):6921–30

Isolation and characterization of fibronectin-binding proteoglycan carrying both heparan sulfate and dermatan sulfate chains from human placenta. Isemura M, et al. **J Biol Chem** 1987 Jun 25;262(18):8926–33

Isolation of the hemopexin receptor from human placenta. Taketani S, et al. **J Biol Chem** 1987 Jun 25;262(18):8668–71

cDNA cloning and expression in Escherichia coli of a plasminogen activator inhibitor from human placenta. Ye RD, et al. **J Biol Chem** 1987 Mar 15;262(8):3718–25

Calpactins: two distinct Ca++-regulated phospholipid- and actin-binding proteins isolated from lung and placenta. Glenney JR Jr, et al. **J Cell Biol** 1987 Mar;104(3):503–11

Quantitative electron microscopic autoradiographic studies on internalization of 125I-labelled epidermal growth factor in term human placenta. Chegini N, et al. **J Cell Sci** 1986 Aug;84:41–52

The presence of epidermal growth factor binding sites in the intracellular organelles of term human placenta. Ramani N, et al. **J Cell Sci** 1986 Aug;84:19–40

Expression of the growth hormone variant gene in human placenta. Frankenne F, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):635–7

Gonadotropin and thyrotropin alpha- and beta-subunit gene expression in normal and neoplastic tissues characterized using specific messenger ribonucleic acid hybridization probes. Jameson JL, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):319–27

The roles of Ca2+ and adenosine 3',5'-monophosphate in the regulation of progesterone production by human placental tissue. Kasugai M, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):122–6

Induction of differentiated trophoblast function by epidermal growth factor: relation of immunohistochemically detected cellular epidermal growth factor receptor levels. Maruo T, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):744–50

Decreased binding of epidermal growth factor in placentas from streptozotocin-diabetic rats. Sissom JF, et al. **J Clin Invest** 1987 Jul;80(1):242–7

Uptake and metabolism of epidermal growth factor in the perfused human placenta. Eaton BM, et al. **J Dev Physiol** 1987 Feb;9(1):69–78

Effect of restriction of placental growth on oxygen delivery to and consumption by the pregnant uterus and fetus. Owens JA, et al. **J Dev Physiol** 1987 Apr;9(2):137–50

Maternal insulin and placental 3-O-methyl glucose transport. Rankin JH, et al. **J Dev Physiol** 1986 Aug;8(4):247–53

Evidence of saturable uptake mechanisms at maternal and fetal sides of the perfused human placenta by rapid paired-tracer dilution: studies with calcium and choline. Sweiry JH, et al. **J Dev Physiol** 1986 Dec;8(6):435–45

The interrelationships between circulating maternal esterified and non-esterified fatty acids in pregnant guinea pigs and their relative contributions to the fetal circulation. Thomas CR, et al. **J Dev Physiol** 1987 Jun;9(3):203–14

A study of the relationship between placental non-haem iron and iron transfer in the guinea pig: the maturation of the transfer process. van Dijk JP, et al. **J Dev Physiol** 1986 Oct;8(5):347–54

Serial permeability barriers to water transport in human placental vesicles. Illsley NP, et al. **J Membr Biol** 1986; 94(3):267–78

Arachidonic acid oxidation by brain and placenta preparations from normal and placental insufficient fetal rabbit. Goldin E, et al. **J Neurochem** 1987 Mar; 48(3):695–701

Placental transfer of parathyroid hormone. Balabanova S, et al. **J Perinat Med** 1986;14(4):243–50

Observations on the energy and redox state and protein synthetic rate in animal and human placentas. Carroll MJ, et al. **J Perinat Med** 1987;15(1):21–30

Placental transfer of diphenhydramine in chronically instrumented pregnant sheep. Yoo SD, et al. **J Pharm Sci** 1986 Jul;75(7):685–7

Low clearance of cimetidine across the human placenta. Ching MS, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1006–9

Sulphate transport into vesicles prepared from human placental brush border membranes: inhibition by trace element oxides. Boyd CA, et al. **J Physiol (Lond)** 1986 Oct; 379:367–76

Human placental sulphate transport: studies on chorionic trophoblast brush border membrane vesicles. Boyd CA, et al. **J Physiol (Lond)** 1986 Aug;377:15–24

Immunogold co-localization of ovine placental lactogen and the antigen recognized by the SBU-3 monoclonal antibody in sheep placental granules. Lee CS, et al. **J Reprod Fertil** 1986 Nov;78(2):653–62

Pharmacologic cardioversion of intrauterine supraventricular tachycardia [letter] Goodlin R. **J Reprod Med** 1986 Aug; 31(8):64

Inhibition by hydroxymalonate of malate dependent biosynthesis of progesterone in the mitochondrial fraction of human term placenta. Klimek J, et al. **J Steroid Biochem** 1987 Jan;26(1):161–3

Equilin and equilenin biosynthesis. Stereochemistry of aromatization of 3-hydroxy-3,5,7-androstatrien-17-one by horse placenta. Numazawa M, et al. **J Steroid Biochem** 1987 Jan;26(1):137–43

Tissue-specific expression of human provirus ERV3 mRNA in human placenta: two of the three ERV3 mRNAs contain human cellular sequences. Kato N, et al. **J Virol** 1987 Jul; 61(7):2182–91

Analytical studies on fetal growth in feto-placento-maternal system. Sofoewan S, et al. **Kobe J Med Sci** 1986 Aug; 32(4):115–25

Synthesis of somatomedin C/insulin-like growth factor I by human placenta. Mills NC, et al. **Mol Biol Rep** 1986; 11(4):231–6

Dynamics of LHRH binding to human term placental cells from normal and anencephalic gestations. Bélisle S, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):195–202

Methylated DNA-binding protein from human placenta recognizes specific methylated sites on several prokaryotic DNAs. Wang RY, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9843–60

Effect of site-specific DNA methylation and mutagenesis on recognition by methylated DNA-binding protein from human placenta. Zhang XY, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8387–97

Effect of delta-9-tetrahydrocannabinol on the in vitro uptake of alpha-amino isobutyric acid by term human placental slices. Fisher SE, et al. **Pediatr Res** 1987 Jan;21(1):104–7

Placental and blood-CSF transfer of intramuscularly administered atropine in the same person. Kanto J, et al. **Pharmacol Toxicol** 1987 Feb;60(2):108–9

Glucocorticoid and progesterone receptors in yolk sac placenta. Carbone JP, et al. **Placenta** 1986 Sep–Oct; 7(5):425–41

The effect of fetal thyroparathyroidectomy on the transport of calcium across the ovine placenta to the fetus. Care AD, et al. **Placenta** 1986 Sep–Oct;7(5):417–24

Measurement of unidirectional transplacental flux: a simplified method. Illsley NP, et al. **Placenta** 1986 Nov–Dec;7(6):523–31

Asymmetrical transfer of alpha-aminoisobutyric acid (AIB), leucine and lysine across the in vitro perfused human placenta. Schneider H, et al. **Placenta** 1987 Mar–Apr; 8(2):141–51

Characterization of the phosphatidylinositol-glycan membrane anchor of human placental alkaline phosphatase. Howard AD, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6055–9

Extraembryonic tissues as sources and sinks of humoral factors in development: teratocarcinoma model systems. Adamson ED. **Prog Clin Biol Res** 1986;226:159–74 (64 ref.)

Preliminary investigations of tissue specificity, species specificity, and strategies for identifying chemicals causing DNA adducts in human placenta. Everson RB, et al. **Prog Exp Tumor Res** 1987;31:86–103

The effect of acute hypoxia on prostaglandin release in perfused human fetal placenta. Ekblad U, et al. **Prostaglandins** 1987 Apr;33(4):553–60

Evidence for a subtype of insulin-like growth factor I receptor in brain. Heidenreich KA, et al. **Regul Pept** 1986 Nov;15(4):301–10

Autometallographic demonstration of gold in human fetal liver and placenta. Møller-Madsen B, et al. **Rheumatol Int** 1987;7(1):47–8

Low molecular weight heparin (CY 216) does not cross the placenta during the third trimester of pregnancy [letter] Forestier F, et al. **Thromb Haemost** 1987 Apr 7;57(2):234

Placental transfer of Org 10172, a low-molecular weight heparinoid, in the awake late-pregnant guinea pig. Peeters LL, et al. **Thromb Res** 1986 Nov 1;44(3):277–83

Characteristics of opioid receptors in guinea-pig cerebellum and human placenta. Ishizuka Y, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):179–84

Conversion of androgens to oestrogens by the bovine placenta near term. Möstl E, et al. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):515–21

[Metabolic fate of 14C-isepamicin sulfate (14C-HAPA-B) in rats. III. Placental transfer and excretion into milk] Iwasaki M, et al. **Jpn J Antibiot** 1987 Jan;40(1):259–66 (Eng. Abstr.) **(Jpn)**

[Nonenzymatic glucosylation of human placental trophoblast basement membrane collagen (relation to diabetic placenta pathology)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):400–4 (Eng. Abstr.) **(Jpn)**

[Human placental glutathione transport mechanism] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):725–30 (Eng. Abstr.) **(Jpn)**

[Study on human placental beta-alanine and taurine transport mechanism (using microvillous membrane vesicles] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):947–51 (Eng. Abstr.) **(Jpn)**

[The transport mechanism of antibiotics using microvillous membrane vesicles (placental transport of fosfomycin)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct;38(10):1702–6 (Eng. Abstr.) **(Jpn)**

[Study on Na+ and L-alanine cotransport of the human placenta using microvillous membrane vesicles] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan; 39(1):43–8 (Eng. Abstr.) **(Jpn)**

[The effect of inorganic mercury on placental amino acid transport using microvillous membrane vesicles] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb; 39(2):202–6 (Eng. Abstr.) **(Jpn)**

[Metabolism of pregnenolone sulfate in feto-placental unit] Komatsuzaki K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1095–102 (Eng. Abstr.) **(Jpn)**

[Passage of neodymium, samarium, europium and terbium to fetuses and the utero-placental space after intravenous contamination of rats] Marciniak M, et al. **Rocz Panstw Zakl Hig** 1987;38(1):90–6 (Eng. Abstr.) **(Pol)**

[ATP generation by the plasma membranes of human placental cells as affected by insulin and epidermal growth factor] Karelin AA, et al. **Biull Eksp Biol Med** 1986 Dec; 102(12):709–12 (Eng. Abstr.) **(Rus)**

[The effect of high doses of steroid hormones on nucleic acid synthesis (DNA, RNA) in the placenta] Aleksić S,

et al. **Med Pregl** 1986;39(9–10):431–4 (Eng. Abstr.) **(Ser)**

MICROBIOLOGY

Delayed amplification of cytomegalovirus infection in the placenta and maternal tissues during late gestation. Goff E, et al. **Am J Obstet Gynecol** 1987 May;156(5):1265–70

Isolation of acquired immunodeficiency syndrome virus from the placenta. Hill WC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):10–1

Isolation of Coxiella burnetii from human sources. Prasad BN, et al. **Int J Zoonoses** 1986 Jun;13(2):112–7

PARASITOLOGY

Toxoplasma gondii cysts in placentas of experimentally infected sheep. Dubey JP. **Am J Vet Res** 1987 Mar; 48(3):352–3

[Congenital toxoplasmosis. Rapid diagnosis by demonstration of toxoplasma in the placenta using cell culture (letter)] Derouin F, et al. **Presse Med** 1986 Oct 4;15(33):1684 **(Fre)**

PATHOLOGY

A correlative review of acetylcholine synthesis in relation to histopathology of the human syncytiotrophoblast. Satyanarayana M. **Acta Obstet Gynecol Scand** 1986; 65(6):567–72

Pathology of the placenta. Fox H. **Clin Obstet Gynaecol** 1986 Sep;13(3):501–19 (66 ref.)

Quantitative morphology of the placenta. II. The growth of the placenta and the problem of postmaturity. Bouw GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb; 8(1):31–42

Abnormally large placenta associated with Beckwith–Wiedemann syndrome. Takayama M, et al. **Gynecol Obstet Invest** 1986;22(3):165–8

Functionally important disorders of the placenta, umbilical cord, and fetal membranes. Naeye RL. **Hum Pathol** 1987 Jul;18(7):680–91 (49 ref.)

Histopathological study of placenta in viral hepatitis. Prabhu SR, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):137–44

Placental morphology and histopathology in low birth weight. Kaira K, et al. **Indian Pediatr** 1986 Aug;23(8):611–5

Sonographic diagnosis of the bilobate placenta. Angtuaco TL, et al. **J Ultrasound Med** 1986 Nov;5(11):672–4

Long-term follow-up after removal of an abdominal pregnancy: ultrasound evaluation of the involuting placenta. Belfar HL, et al. **J Ultrasound Med** 1986 Sep; 5(9):521–3

Placental changes in fetal triploidy syndrome. Rubenstein JB, et al. **J Ultrasound Med** 1986 Oct;5(10):545–50

Fatal case due to atonic haemorrhage with giant placenta following concealed delivery. Suzuki T, et al. **Med Sci Law** 1986 Oct;26(4):295–8

The vanishing twin: pathologic confirmation of an ultrasonographic phenomenon. Sulak LE, et al. **Obstet Gynecol** 1986 Dec;68(6):811–5

Transplacental effects of endotoxemia on fetal mouse brain, bone, and placental tissue. Haesaert B, et al. **Pediatr Pathol** 1986;5(2):167–81

Fetal intravenous nutritional supplementation ameliorates the development of embolization-induced growth retardation in sheep. Charlton V, et al. **Pediatr Res** 1987 Jul;22(1):55–61

Morphological findings in placentae of insulin-dependent diabetic patients treated with continuous subcutaneous insulin infusion (CSII). Laurini RN, et al. **Placenta** 1987 Mar–Apr;8(2):153–65

Histomorphometry of the human placenta in pre-eclampsia associated with severe intrauterine growth retardation. Teasdale F. **Placenta** 1987 Mar–Apr;8(2):119–28

Karyotypic differences between cells from placenta and other fetal tissues. Verjaal M, et al. **Prenat Diagn** 1987 Jun; 7(5):343–8

The effect of cadmium on placental structure and its relation to fetal malformations in the mouse. Padmanabhan R. **Z Mikrosk Anat Forsch** 1986;100(3):419–27

Changes in the fetal organs and the placenta with intrauterine mycoplasma infection. Zinserling AV, et al. **Zentralbl Allg Pathol** 1986;132(2):109–17

[Amniotic fluid and placentas of women with premature deliveries] Georgiev G, et al. **Akush Ginekol (Sofiia)** 1987; 26(3):10–5 (Eng. Abstr.) **(Bul)**

[Sonographic and histological changes in the placenta in EPH gestosis and prolonged pregnancy] Ivanova S, et al. **Akush Ginekol (Sofiia)** 1987;26(1):14–6 **(Bul)**

[Various parameters of the amniotic fluid and placentas of Rh-isoimmunized women] Tiufekchieva E, et al. **Akush Ginekol (Sofiia)** 1987;26(3):15–9 (Eng. Abstr.) **(Bul)**

[Pathological study on 64 placentae of perinatal death] Liu BN, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):279–82, 318 (Eng. Abstr.) **(Chi)**

[Evaluation of fetal hypotrophy by examining placental structure using ultrasonography and urinary estriol levels] Malý Z, et al. **Cesk Gynekol** 1987 Apr;52(3):179–82 (Eng. Abstr.) **(Cze)**

[Histologic and histochemical study of placentomes in cows after induced labor] Kummer V, et al. **Vet Med (Praha)** 1987 Jan;32(1):9–17 (Eng. Abstr.) **(Cze)**

[A colonic structure in the placenta: a simple teratoma coaetans or ectopic differentiation?] Pagès A, et al. **Ann Pathol** 1987;7(2):149–53 (Eng. Abstr.) **(Fre)**

[Histometric case report of a placenta following intra-uterine therapy of rhesus incompatibility] Stoz F, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):349–50 (Eng. Abstr.) **(Ger)**

[Ultrasound image and fetal complications in large chorioangioma of the placenta] Brühwiler H, et al. **Ultraschall Med** 1986 Oct;7(5):245–7 (Eng. Abstr.) **(Ger)**

[The course of pregnancy and labor in young females with reference to morphometric studies of the placenta] Estel C, et al. **Z Arztl Fortbild (Jena)** 1986;80(20):853–5 **(Ger)**

[Correlation of sonomorphologic placental maturity with the L/S ratio and creatinine level in the amniotic fluid] Domke N, et al. **Zentralbl Gynakol** 1987;109(11):700–4 (Eng. Abstr.) **(Ger)**

[Hemorheological characteristics of gestational diabetes. A possible mechanism of placental hypertrophy] Kaibara M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):712–4 **(Jpn)**

[Evaluation of placental thickness in pregnancy in cases of intrauterine retardation of fetal development] Malinowski JE, et al. **Ginekol Pol** 1986 Jul;57(7):468–70 (Eng. Abstr.) **(Pol)**

[The extrinsic lymphatic bed of the uterus and the extraembryonic organs in the gestational hypotensive syndrome (experimental–morphofunctional aspect)] Borodin Iul, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):70–2 **(Rus)**

[Morphologic changes in the placenta in congenital heart defects and their effect on the status of newborn infants] Zadorozhnaia TD, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):60–1 **(Rus)**

[Morphologic features of the extraembryonic organs after ischemic damage to the yolk sac] Skliianov Iul. **Arkh Anat Gistol Embriol** 1987 Jan;92(1):23–7 (Eng. Abstr.) **(Rus)**

[Obstetrical and patho-anatomic study of the placenta] Kerisit J, et al. **Cesk Gynekol** 1987 Apr;52(3):224–30 **(Slo)**

PHYSIOLOGY

Synthesis and transport studies of the intrasyncytial lamina: an unusual placental basement membrane in the little brown bat, Myotis lucifugus. Cukierski MA. **Am J Anat** 1987 Apr; 178(4):387–409

Placental and renal control of plasma osmolality in chronically cannulated ovine fetus. Towstoless MK, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R389–95

Induction of maternal behavior in rats: effects of pseudopregnancy termination and placenta-smeared pups. Steuer MA, et al. **Behav Neurosci** 1987 Apr;101(2):219–27

Third trimester placental grading by ultrasonography as a test of fetal wellbeing. Proud J, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1641–4

The human placenta. **Clin Obstet Gynaecol** 1986 Sep; 13(3):421–663

Biophysical assessment of placental function. Gennser G, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):521–52 (161 ref.)

Hemodynamic implications of hemochorial placentation. Moll W, et al. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1–2):67–74

Development and ultrastructural adaptations of the human placenta. Wynn RM. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):3–21

Fetal and uteroplacental heat production in sheep. Gilbert RD, et al. **J Appl Physiol** 1986 Dec;61(6):2018–22

An inhibitor of plasminogen activation from human placenta. Purification and characterization. Wun TC, et al. **J Biol Chem** 1987 Mar 15;262(8):3646–53

Some aspects of placental function in chronically heat-stressed ewes. Bell AW, et al. **J Dev Physiol** 1987 Feb;9(1):17–29

Effect of restriction of placental growth on fetal and utero-placental metabolism. Owens JA, et al. **J Dev Physiol** 1987 Jun;9(3):225–38

Calcium transport across the isolated dually perfused human placental lobule. Abramovich DR, et al. **J Physiol (Lond)** 1987 Jan;382:397–410

Developmental changes in the intraplacental distribution of placental lactogen and alkaline phosphatase in the rat. Soares MJ. **J Reprod Fertil** 1987 Jan;79(1):93–8

Correlation between the number of placental opioid receptors, mode of delivery, and maternal narcotic use. Ahmed MS, et al. **Membr Biochem** 1986;6(3):255–67

Electrophysiology of extrafetal membranes. Faber JJ, et al. **Placenta** 1987 Jan–Feb;8(1):89–108

Review of Faber and Thornburg's book "Placental Physiology" [letter] Stulc J. **Placenta** 1987 Jan–Feb; 8(1):109–10

Human pituitary and placental hormones control human insulin-like growth factor II secretion in human granulosa cells. Ramasharma K, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2643–7

Expression of insulin-like growth factor II in human placentas from normal and diabetic pregnancies. Shen SJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9179–82

[Discovery of a placental variant of human growth hormone: biochemistry, physiology and implication in the secretion of hypophyseal forms] Frankenne F, et al. **Reprod Nutr Dev** 1987;27(2B):523–4 (Eng. Abstr.) **(Fre)**

[The duration of afterbirth expulsion in cattle] Heuwieser W, et al. **DTW** 1986 Nov 21;93(10):467–9 (Eng. Abstr.) **(Ger)**

[Morphological and functional aspects of placental maturing mechanisms in the cow. 1. Light microscopic findings] Wicke J, et al. **Zentralbl Veterinarmed [A]** 1986 Nov; 33(9):660–7 (Eng. Abstr.) **(Ger)**

[Role of C-kinase in development and function of human placental chorionic tissue] Fuchiwaki T. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1029–36 (Eng. Abstr.) **(Jpn)**

[Morphologic aspects of adaptation of the fetus–placenta system during different conditions of intrauterine development] Kalashnikova EP. **Vestn Akad Med Nauk SSSR** 1987;(1):11–7 (28 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Methods of fetal monitoring and assessment of placental function in diabetic pregnancy. Sutherland HW. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:90–100 (60 ref.)

Is the early growth delay in the diabetic pregnancy accompanied by a delay in placental development? Pedersen JF, et al. **Acta Obstet Gynecol Scand** 1986; 65(7):675–7

Placental function in maternal–fetal fat transport in diabetes. Shafrir E, et al. **Biol Neonate** 1987;51(2):102–12 (48 ref.)

Intrauterine transmission of hepatitis B virus is closely related to placental leakage. Ohto H, et al. **J Med Virol** 1987 Jan; 21(1):1–6

Qualitative assessment of uteroplacental blood flow: early screening test for high-risk pregnancies. Campbell S, et al. **Obstet Gynecol** 1986 Nov;68(5):649–53

[Complex evaluation of indices of the function of the feto-placental system in gestational pyelonephritis] Anisimova MI, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):67–9 **(Rus)**

[Functional and morphofunctional characteristics of the placenta in chronic pyelonephritis in pregnant women] Bilash OV. **Akush Ginekol (Mosk)** 1987 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**

[Functions of the cardiovascular and fetoplacental systems in late toxicosis] Laricheva IP, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):21–4 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Feasibility of functional assessment of utero-placental blood flow in fetal growth retardation using dynamic scintigraphy] Ungiadze DIu. **Akush Ginekol (Mosk)** 1987 Jan;(1):43–7 (Eng. Abstr.) **(Rus)**

SECRETION

Progesterone secretion by the bovine fetoplacental unit and responsiveness of corpora lutea to steroidogenic stimuli at two stages of gestation. Pimentel SM, et al. **Am J Vet Res** 1986 Sep;47(9):1967–71

Placental secretion of androgens in the rat. Warshaw ML, et al. **Endocrinology** 1986 Dec;119(6):2642–8

Apolipoproteins AI, AII, and CI stimulate placental lactogen release from human placental tissue. A novel action of high density lipoprotein apolipoproteins. Handwerger S, et al. **J Clin Invest** 1987 Feb;79(2):625–8

[Determination of the blood concentration of seven hormones secreted by the pituitary, thyroid, and placenta during the normal pregnant period] Hu ZZ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May;21(3):155–7, 191 (Eng. Abstr.) **(Chi)**

[Selective augmentation of cellular hCG alpha mRNA levels and immunoreactive hCG alpha secretion by 17 beta-estradiol in the normal placenta] Matsuo H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Dec 20; 62(12):1352–61 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

[The placental allograft--a stimulant of mandibular bone regeneration] Mingazov GG, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):48–51 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Purification and characterization of thiol aminopeptidase from the cytosolic fraction of human placenta. Watanabe Y, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):235–45

Fine structural abnormalities of the placenta in diabetic rats. Gewolb IH, et al. **Diabetes** 1986 Nov;35(11):1254–61

A simple procedure for isolation of microsomes from human placenta. Gniot-Szulżycka J, et al. **Folia Histochem Cytobiol** 1986;24(3):251–6

Demonstration of specific secretory granules for human chorionic gonadotropin in placenta. Morrish DW, et al. **J Histochem Cytochem** 1987 Jan;35(1):93–101

Inhibition of human placental Na+–H+ exchanger by cimetidine. Ganapathy V, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):192–7

In vitro SCE discrepancy between embryonic and extraembryonic mouse tissues. Elbling L, et al. **Mutat Res** 1986 Nov;163(2):175–80

Ultrastructural immunogold investigation of the function and diversity of binucleate cells in the ovine placenta using a monoclonal antibody. Lee CS, et al. **Placenta** 1986 Nov–Dec;7(6):495–504

Electron microscopy of Hofbauer cells after embedding with placental erythrocytes. Oliveira LH, et al.

Rev Bras Biol 1987 Feb-May;47(1-2):213-5

Ultrasonic microdissection of immature intermediate human placental villi as studied by scanning electron microscopy. Highison GJ, et al. **Scan Electron Microsc** 1986;(Pt 2):679-85

PLACENTA ACCRETA

COMPLICATIONS

Acute abdomen caused by placenta percreta in the second trimester. Archer GE, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):146-7

Uterine inversion secondary to placenta accreta in a diethylstilbestrol-exposed parturient. A case report. Bellucci M, et al. **J Reprod Med** 1987 Mar;32(3):236-7

Placenta percreta as a cause of uterine perforation during abortion. A case report. Veridiano NP, et al. **J Reprod Med** 1986 Nov;31(11):1049-50

Placenta accreta: a problem of increasing clinical significance. Weckstein LN, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):480-2

[Term pregnancy in a rudimentary uterine horn with a live infant. An unusual case report] Chelli H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):647-53 (Eng. Abstr.) **(Fre)**

[Placenta praevia, placenta accreta and disseminated intravascular coagulation (letter)] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):454-5 **(Spa)**

DIAGNOSIS

[Is it possible to predict adherent placenta?] Hrádek D, et al. **Cesk Gynekol** 1986 Nov;51(9):724-7 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

The effect of oxytocin injection into the umbilical vein for the management of the retained placenta. Kristiansen FV, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):979-80

PATHOLOGY

[Rare case of a 5-month pregnancy in the rudimentary horn with placenta percreta] Milchev N, et al. **Akush Ginekol (Sofiia)** 1987;26(2):74-5 **(Bul)**

[Covered uterine rupture in uterus bicornis with placenta increta. A case report] Schwerdtfeger J, et al. **Geburtshilfe Frauenheilkd** 1987 Jul;47(7):503-4 (Eng. Abstr.) **(Ger)**

SURGERY

Abnormally adherent placentation: a life-threatening complication. Cammu H, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec;23(5-6):359-67

A rare case of choriocarcinoma four years after hysterectomy for placenta percreta. Sinha SK. **J Indian Med Assoc** 1987 Feb;85(2):56-7

[Placenta accreta, increta and percreta] de Dycker RP, et al. **Med Klin** 1987 Jun 19;82(14):505-7 **(Ger)**

VETERINARY

[Histologic and histochemical study of placentomes in cows after induced labor] Kummer V, et al. **Vet Med (Praha)** 1987 Jan;32(1):9-17 (Eng. Abstr.) **(Cze)**

PLACENTA DISEASES

Haemorrhage from the placental site. Howell RJ. **Clin Obstet Gynaecol** 1986 Sep;13(3):633-58 (98 ref.)

[Chorioangioma of the placenta] Mlynček M, et al. **Cesk Gynekol** 1987 Mar;52(2):125-8 **(Cze)**

[Placental chorioangioma--case report and discussion of possible complications] Schramm T, et al. **Geburtshilfe Frauenheilkd** 1987 Jun;47(6):422-4 (Eng. Abstr.) **(Ger)**

[Experimental renal failure and utero-placental circulatory insufficiency] Klimenko PA, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):39-41 (Eng. Abstr.) **(Rus)**

BLOOD

Maternal floor infarction of the placenta associated with elevated second trimester serum alpha-fetoprotein. Katz VL, et al. **Am J Perinatol** 1987 Jul;4(3):225-8

Cord transferrin and ferritin values in newborn infants at risk for prenatal uteroplacental insufficiency and chronic hypoxia. Chockalingam UM, et al. **J Pediatr** 1987 Aug; 111(2):283-6

COMPLICATIONS

The fetal biophysical profile in pregnancies with grade III placentas. Vintzileos AM, et al. **Am J Perinatol** 1987 Apr; 4(2):90-3

Actinomyces invasion of placenta as a possible cause of preterm delivery. Zakut H, et al. **Clin Exp Obstet Gynecol** 1987;14(2):89-91

Placental insufficiency and postmaturity. Vorherr H. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):109-22

Chronic villitis of unknown aetiology in recurrent intrauterine fetal growth retardation. Labarrere C, et al. **Placenta** 1987 Mar-Apr;8(2):167-73

DIAGNOSIS

Contraction stress testing for primary foetal surveillance by stimulated endogenous oxytocin release. Marton IS, et al. **Acta Chir Hung** 1987;28(1):9-13

Neonatal morphometrics and perinatal outcome: who is growth retarded? Patterson RM, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):691-3

Placental volume measurement by ultrasonography: evaluation of the method. Wolf H, et al. **Am J Obstet Gynecol** 1987 May;156(5):1191-4

Duplex Doppler ultrasound in the evaluation of growth in twin pregnancies. Gerson AG, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):419-23

Ultrasound placental grading and amniotic fluid quantitation in prolonged pregnancy. Monaghan J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):349-52

Placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome. Nyberg DA, et al. **Radiology** 1987 Aug;164(2):357-61

Ultrasound placental localisation in early pregnancy. Khan AT, et al. **Scott Med J** 1987 Feb;32(1):19-21

[Rheography in pregnancy--a noninvasive method of early detection of placental insufficiency] Feiks A, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):700-5 (Eng. Abstr.) **(Ger)**

[Incomplete uterine inversion in the late puerperium in placental polyp] Hübscher B. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):475-6 (Eng. Abstr.) **(Ger)**

[Attempt to diagnose a "small" placenta by HPL determination before the 18th week of pregnancy] Philipp K, et al. **Z Geburtshilfe Perinatol** 1987 Mar-Apr; 191(2):64-7 (Eng. Abstr.) **(Ger)**

[Clinical significance of ultrasonic examination of fetal and placental circulation] Illyés M, et al. **Orv Hetil** 1987 Mar 22;128(12):613-8 (Eng. Abstr.) **(Hun)**

[Topical diagnosis of disorders of maternal-fetal blood flow in the prenatal protection of the fetus in the placental insufficiency syndrome] Vikhliaeva EM. **Vestn Akad Med Nauk SSSR** 1987;(4):28-35 (Eng. Abstr.) **(Rus)**

[Intrauterine malnutrition: identification of a new high-risk population with a Chilean weight curve] Ventura-Juncá P, et al. **Rev Med Chil** 1986 Aug;114(8):790-7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Oxytocin injection into the umbilical vein in women with retained placenta: a questionable method [letter] Hauksson A. **Am J Obstet Gynecol** 1986 Nov;155(5):1140

[Modified method for detachment of an inseparable placenta] Popov I, et al. **Akush Ginekol (Sofiia)** 1987;26(3):20-3 (Eng. Abstr.) **(Bul)**

[Placental insufficiency and methods of treating it] Fedorova MV, et al. **Vestn Akad Med Nauk SSSR** 1987;(4):35-9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Placental sulfatase deficiency: maternal and fetal expression of steroid sulfatase deficiency and X-linked ichthyosis. Bradshaw KD, et al. **Obstet Gynecol Surv** 1986 Jul; 41(7):401-13 (98 ref.)

ETIOLOGY

Placental lesions in maternal autoimmune diseases. Labarrere CA, et al. **Am J Reprod Immunol Microbiol** 1986 Nov; 12(3):78-86

Clinical aspects of uteroplacental insufficiency. MacGillivray I. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):101-8

Postpartum polyhydramnios: a unique complication of advanced abdominal pregnancy. Spinnato JA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):490-2

IMMUNOLOGY

Role of local immunosuppression in murine fetoplacental listeriosis. Redline RW, et al. **J Clin Invest** 1987 Apr; 79(4):1234-41

METABOLISM

Arachidonic acid oxidation by brain and placenta preparations from normal and placental insufficient fetal rabbit. Goldin E, et al. **J Neurochem** 1987 Mar; 48(3):695-701

MICROBIOLOGY

Human cytomegalovirus infection of human placental explants in culture: histologic and immunohistochemical studies. Amirhessami-Aghili N, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1365-74

A microbiologic and clinical study of placental inflammation at term. Dong Y, et al. **Obstet Gynecol** 1987 Aug; 70(2):175-82

PATHOLOGY

Placental grading with ultrasound in hypertensive and normotensive pregnancies. A prospective, consecutive study. Montan S, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):477-80

A correlative review of acetylcholine synthesis in relation to histopathology of the human syncytiotrophoblast. Satyanarayana M. **Acta Obstet Gynecol Scand** 1986; 65(6):567-72

Placental teratoma. Svanholm H, et al. **Acta Obstet Gynecol Scand** 1987;66(2):179-80

Chorioangioma of the placenta: a case report. Raman S, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):55-7

Pathology of the placenta. Fox H. **Clin Obstet Gynaecol** 1986 Sep;13(3):501-19 (66 ref.)

Functionally important disorders of the placenta, umbilical cord, and fetal membranes. Naeye RL. **Hum Pathol** 1987 Jul;18(7):680-91 (49 ref.)

Placental morphology and histopathology in low birth weight. Kalra K, et al. **Indian Pediatr** 1986 Aug;23(8):611-5

Haemorrhagic endovasculitis of the placenta: a review with clinical correlation. Sander CH, et al. **Placenta** 1986 Nov-Dec;7(6):551-74 (51 ref.)

[Causes of abortion. Pathologic and anatomic findings in the placenta in spontaneous abortions in the 2d pregnancy trimester] Emmrich P. **Pathologe** 1986 Sep;7(5):258-62 **(Ger)**

[Pathologico-anatomic diagnosis of placental insufficiency in various forms of maternal pathology] Kalashnikova EP. **Arkh Patol** 1986;48(9):14-20 (Eng. Abstr.) **(Rus)**

[Obstetrical and patho-anatomic study of the placenta] Kerisit J, et al. **Cesk Gynekol** 1987 Apr;52(3):224-30 **(Slo)**

PHYSIOPATHOLOGY

Placental insufficiency, problems of etiology, diagnosis and management. Assali NS, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):87-91

[Hypertension in pregnancy. Elements of physiopathology and their therapeutic consequences] Beaufils. **Union Med Can** 1987 Feb;116(2):suppl 15-6 **(Fre)**

PREVENTION & CONTROL

A health priority for developing countries: the prevention of chronic fetal malnutrition. Villar J, et al. **Bull WHO** 1986;64(6):847-51

THERAPY

[Transcutaneous electrical nerve stimulation in the treatment of placental insufficiency. II. Results of treatment compared to special infusion treatment] Ketscher KD, et al. **Zentralbl Gynakol** 1987;109(13):850-3 (Eng. Abstr.) **(Ger)**

[Hemodynamic placental insufficiency and its therapeutic modification in threatened premature labor] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1986;108(16):974-82 (Eng. Abstr.) **(Ger)**

VETERINARY

Brucella infection and immunity in placenta. Bosseray N. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb;138(1):110-3 (12 ref.)

Experimental infection of sheep with Chlamydia psittaci. Andreani E, et al. **Br Vet J** 1987 May-Jun;143(3):221-5

Retained placenta and plasma prostaglandin F profile after induced parturition in Karan Swiss cattle. Prakash BS, et al. **Br Vet J** 1986 May-Jun;142(3):210-7

Prepartum supplementation of selenium and vitamin E to dairy cows: assessment of selenium status and reproductive performance. Hidiroglou M, et al. **J Dairy Sci** 1987 Jun; 70(6):1281-8

Clinical, biochemical and pathological study of perinatal lambs in a commercial flock. Barlow RM, et al. **Vet Rec** 1987 Apr 11;120(15):357-62

[Continuing eco-pathological survey: 4. Demonstration of pathologic associations in dairy cow stock: herd data] Faye B, et al. **Ann Rech Vet** 1986;17(3):257-64 (Eng. Abstr.) **(Fre)**

PLACENTA PRAEVIA

[Placenta praevia. Clinical appearance, diagnosis and treatment] Blaasvaer S, et al. **Tidsskr Nor Laegeforen** 1987 Mar 20;107(8):727-9 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

May-Hegglin anomaly in pregnancy. A case report. Landy HJ, et al. **J Reprod Med** 1987 Apr;32(4):309-12

[Placenta praevia, placenta accreta and disseminated intravascular coagulation (letter)] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):454-5 **(Spa)**

ETIOLOGY

Aetiological factors in placenta praevia--a case controlled study [letter] Page EJ. **Br J Obstet Gynaecol** 1987 Mar; 94(3):283

Association of placenta praevia and sex ratio at birth. Mills JL, et al. **Br Med J** 1987 Feb 28;294(6571):544

PATHOLOGY

[An unusual observation of placenta praevia centralis accreta, increta, percreta and membranacea] Lindner E, et al.

Acta Univ Palacki Olomuc Fac Med 1986;114:225–31 (Eng. Abstr.) **(Fre)**

[Placental localization and scarred uteri. Apropos of 695 scarred uteri] Marpeau L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):361–5 (Eng. Abstr.) **(Fre)**

SURGERY

[Cesarean section for placenta praevia. Perinatal mortality and morbidity] Dantzer M, et al. **Rev Fr Gynecol Obstet** 1986 Dec;81(12):685–91 (Eng. Abstr.) **(Fre)**

THERAPY

[Management of pregnant women with an abnormally located placenta (analysis of our own material)] Chojnacki A, et al. **Ginekol Pol** 1986 May;57(5):332–6 (Eng. Abstr.) **(Pol)**

PLACENTAL EXTRACTS

ANALYSIS

[Biologically active substances, other than antibodies, in preparations of normal human immunoglobulin. II. Placental proteins] Banach W. **Med Dosw Mikrobiol** 1986; 38(4):249–56 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Effects of continuous intravenous infusion of an ovine placental extract enriched in placental lactogen on plasma hormones, metabolites and metabolite biokinetics in non-pregnant sheep. Thordarson G, et al. **J Endocrinol** 1987 May;113(2):277–83

THERAPEUTIC USE

Comparative studies on rat primary cultured and isolated hepatocytes in the evaluation of a therapeutic agents for liver disease. Sakamoto K, et al. **Jpn J Pharmacol** 1986 Jul;41(3):424–6

[Results of serologic reactions in patients with early forms of syphilis before and after treatment with doxycycline and placental extract] Rotanov SV, et al. **Vestn Dermatol Venerol** 1987;(6):27–9 (Eng. Abstr.) **(Rus)**

PLACENTAL FUNCTION TESTS

Biophysical assessment of placental function. Gennser G, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):521–52 (161 ref.)

Biochemical assessment of placental function—late pregnancy. Westergaard JG, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):571–91 (50 ref.)

The conversion of dehydroepiandrosterone to estrogen—a dynamic placental function test. Klopper A, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):93–100

METHODS

[Follow-up of placental alkaline phosphatase activity—a test for determining the functional state of the placenta] Pekhlivanov B. **Akush Ginekol (Sofiia)** 1987;26(2):59–63 (35 ref.) **(Bul)**

PLACENTAL HORMONES

Gonadotropin-releasing hormone-like immunoreactivity in rat placenta. Sarkar DK. **Neuroendocrinology** 1986; 44(3):397–400

ANALYSIS

Biochemical assessment of placental function: early pregnancy. Grudzinskas JG, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):553–69 (63 ref.)

BLOOD

Correlation of hormones with lipid and lipoprotein levels during normal pregnancy and postpartum. Desoye G, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):704–12

[Patterns of serum concentration of steroidal and peptide hormones in the materno-feto-placental system from the 28th to the 40th week depending on the sex of the fetus] Hercz P, et al. **Orv Hetil** 1987 Jun 28;128(26):1358–9 (Eng. Abstr.) **(Hun)**

[Retrospective hormonal evaluation of cervix incompetence in pregnant women previously treated for anovulation or other disorders of ovarian function] Jakowicki J, et al. **Ginekol Pol** 1986 Aug;57(8):525–30 (Eng. Abstr.) **(Pol)**

[Ultrasonic picture and hormonal function of the placenta in women with missed abortions] Vinnitskii OI. **Akush Ginekol (Mosk)** 1986 Oct;(10):49–52 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification of decidual prolactin-releasing factor, a placental protein that stimulates prolactin release from human decidual tissue. Handwerger S, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):452–9

Chemical and biological characterization of an active substance of the human placenta. Brovetto-Cruz J, et al. **Eur J Obstet Gynecol Reprod Biol** 1976;6(3):109–14

METABOLISM

Induction of differentiated trophoblast function by epidermal growth factor: relation of immunohistochemically detected cellular epidermal growth factor receptor levels. Maruo T, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):744–50

PHARMACODYNAMICS

Biological and immunological studies of a placental gonadotropic protein. Castellano MA, et al. **Eur J Obstet Gynecol Reprod Biol** 1976;6(3):115–9

DNA-synthesis under the effect of a placental protein in mammary gland in culture. Calaf G, et al. **Horm Metab Res** 1987 Jan;19(1):43–4

Human placental ribonuclease inhibitor abolishes both angiogenic and ribonucleolytic activities of angiogenin. Shapiro R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2238–41

SECRETION

Antifertility actions of the progesterone antagonist RU 486 include direct inhibition of placental hormone secretion. Das C, et al. **Lancet** 1987 Sep 12;2(8559):599–601

Gestational age-related inhibition of placental hCG, alpha hCG and steroid hormone release in vitro by a GnRH antagonist. Siler-Khodr TM, et al. **Placenta** 1987 Jan–Feb; 8(1):1–14

PLACENTAL INSUFFICIENCY see under **PLACENTA DISEASES**

PLACENTAL LACTOGEN

ANALYSIS

Immunohistochemical location of HPL, SP1 and beta-HCG in normal placentas of varying gestational age. Beck T, et al. **Arch Gynecol** 1986;239(2):63–74

Trinucleate cells and the ultrastructural localisation of bovine placental lactogen. Wooding FB, et al. **Cell Tissue Res** 1987 Mar;247(3):667–73

Characterization of particle-associated choriomammotrophin and progesterone in ovine placentomes. Rice GE, et al. **J Endocrinol** 1986 Nov;111(2):217–23

Immunogold co-localization of ovine placental lactogen and the antigen recognized by the SBU-3 monoclonal antibody in sheep placental granules. Lee CS, et al. **J Reprod Fertil** 1986 Nov;78(2):653–62

[Immunohistochemical localization of hCG alpha, hCG beta CTP, hPL and SP1 on villous and extravillous trophoblasts in normal human pregnancy] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1073–9 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

The effects of insulin-like growth factor-I and insulin on placental lactogen production by human term placental explants. Bhaumick B, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):674–82

In vitro kinetics of synthesis and release of mouse placental lactogen. Basch CV, et al. **Endocrinology** 1986 Nov; 119(5):1939–47

Placental lactogen production and functional differentiation of rat trophoblast cells in vitro. Soares MJ, et al. **J Reprod Fertil** 1987 Mar;79(2):335–41

BLOOD

Human placental lactogen and unconjugated estriol concentrations in twin pregnancy: monitoring of fetal development in intrauterine growth retardation and single intrauterine fetal death. Trapp M, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1027–31

A prospective study to compare serum human placental lactogen and menstrual dates for determining gestational age. Whittaker PG, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):178–82

Effects of fasting on serum lactogenic hormone concentrations during mid- and late pregnancy in mice. Fielder PJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E40–4

Failure of placenta to produce hPL in an otherwise uneventful pregnancy: a case report. Barbieri F, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):131–3

Hamster placental lactogens: gestational profiles and high molecular weight forms. Southard JN, et al. **Endocrinology** 1987 Sep;121(3):900–6

Change of serum HPL level in maternal vein, umbilical cord vein and artery in mature and premature labour. Hercz P, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):189–93

The efficacy of biochemical assays in assessing an IUGR risk-group, preselected with ultrasound fetometry. Laurin J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):177–87

Changes in peripheral hormone levels after therapeutic abortion. Saunders DM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):1–4

Human placental lactogen in pathological pregnancies. Sivaprasad N, et al. **Indian J Med Res** 1986 Dec;84:594–7

Human placental lactogen level in normal pregnancy and labour. Samanta B, et al. **J Indian Med Assoc** 1986 Dec; 84(12):378–82

[Urinary estriol, serum HPL and intrauterine retardation of fetal growth] Iarŭkov A. **Akush Ginekol (Sofiia)** 1987; 26(1):20–4 (Eng. Abstr.) **(Bul)**

[Management of pregnancy at risk: evaluation of fetal movements, determination of total plasma estriol and placental lactogen hormone in relation to fetal heart rhythm] Mbanzulu PN, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):779–84 (Eng. Abstr.) **(Fre)**

[Attempt to diagnose a "small" placenta by HPL determination before the 18th week of pregnancy] Philipp K, et al. **Z Geburtshilfe Perinatol** 1987 Mar–Apr; 191(2):64–7 (Eng. Abstr.) **(Ger)**

[A pregnancy without detectable human placental lactogen (hPL)] Trapp M, et al. **Zentralbl Gynakol** 1987;109(2):130–3 (Eng. Abstr.) **(Ger)**

[Dynamics of utero-placental blood flow and endocrine indices of the feto-placental system in women with pregnancy complications] Kastelianos P, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):32–5 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Absence of human chorionic somatomammotropin during pregnancy associated with two types of gene deletion. Simon P, et al. **Hum Genet** 1986 Nov;74(3):235–8

GENETICS

Structure and expression of human placental hormone genes. Boime I, et al. **Adv Exp Med Biol** 1986;205:267–80

The human growth hormone gene locus: structure, evolution, and allelic variations. Hirt H, et al. **DNA** 1987 Feb; 6(1):59–70

Transcriptional enhancer within the human placental lactogen and growth hormone multigene cluster. Rogers BL, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7647–59

Thyroid hormone receptors bind to defined regions of the growth hormone and placental lactogen genes. Barlow JW, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9021–5

Molecular cloning of mouse placental lactogen cDNA. Jackson LL, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8496–500

[Localization of transcription regulatory sequences. Application to the genes of the prolactin family] Belayew A, et al. **Ann Endocrinol (Paris)** 1986;47(1):7–10 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Inhibition of binding of ovine placental lactogen to growth hormone and prolactin receptors by monoclonal antibodies. Chan JS, et al. **Endocrinology** 1986 Dec;119(6):2623–8

Immunological studies of rodent placental lactogens. Southard JN, et al. **Mol Cell Endocrinol** 1987 Mar; 50(1–2):29–36

Immunogenicity of a free synthetic peptide: carrier-conjugation enhances antibody affinity for the native protein. Mariani M, et al. **Mol Immunol** 1987 Mar; 24(3):297–303

ISOLATION & PURIFICATION

Purification and partial characterization of two prolactin-like glycoprotein hormone complexes from the midpregnant mouse conceptus. Colosi P, et al. **Endocrinology** 1987 Jun; 120(6):2500–11

METABOLISM

Immunocytochemical evaluation of primary human esophageal carcinomas and their xenografts for keratin, beta-chorionic gonadotropin, placental lactogen, alpha-fetoprotein, carcinoembryonic antigen, and nonspecific cross-reacting antigen. Burg-Kurland CL, et al. **Cancer Res** 1986 Nov;46(11):5730–7

Cyclic adenosine-3',5'-monophosphate stimulates the acute release of placental lactogen from human trophoblast cells. Harman I, et al. **Endocrinology** 1987 Jul;121(1):59–63

Methionine oxidation in human growth hormone and human chorionic somatomammotropin. Effects on receptor binding and biological activities. Teh LC, et al. **J Biol Chem** 1987 May 15;262(14):6472–7

Developmental changes in the intraplacental distribution of placental lactogen and alkaline phosphatase in the rat. Soares MJ. **J Reprod Fertil** 1987 Jan;79(1):93–8

PHARMACODYNAMICS

Induction of prolactin receptors in the liver is more closely related to the growth-promoting than to the lactogenic potency of peptides. Norstedt G, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):350–6

The lipolytic effects of mouse placental lactogen II, mouse prolactin, and mouse growth hormone on adipose tissue from virgin and pregnant mice. Fielder PJ, et al. **Endocrinology** 1987 Aug;121(2):493–7

Characterization of lactogen receptors in lactogenic hormone-dependent and independent NB2 lymphoma cell lines. Ashkenazi A, et al. **FEBS Lett** 1987 Jan 1;210(1):51–5

Regulation of DNA synthesis in human fetal hepatocytes by placental lactogen, growth hormone, and insulin-like growth factor I/somatomedin-C. Strain AJ, et al.

J Cell Physiol 1987 Jul;132(1):33–40
Lactogenic effect of bovine placental lactogen on pregnant rabbit but not pregnant heifer mammary gland explants. Byatt JC, et al. J Dairy Sci 1986 Aug;69(8):2066–71
Effects of human placental lactogen and growth hormone on the production of insulin and somatomedin C/insulin-like growth factor I by human fetal pancreas in tissue culture. Swenne I, et al. J Endocrinol 1987 May; 113(2):297–303
Effects of continuous intravenous infusion of an ovine placental extract enriched in placental lactogen on plasma hormones, metabolites and metabolite biokinetics in non-pregnant sheep. Thordarson G, et al. J Endocrinol 1987 May;113(2):277–83

PHYSIOLOGY

Potentiation of the somatogenic and lactogenic activity of human growth hormone with monoclonal antibodies. Aston R, et al. J Endocrinol 1986 Sep;110(3):381–8
[Modification of lipid metabolism by hPL in late pregnancy] Neulen J, et al. Geburtshilfe Frauenheilkd 1987 Apr; 47(4):270–3 (Eng. Abstr.) (Ger)

SECRETION

Interrelated calcium ion and cyclic AMP inhibition of placental lactogen secretion by cultured human term trophoblast. Hochberg Z, et al.
Acta Endocrinol (Copenh) 1987 Jan;114(1):68–73
Immunoelectron microscope observations on secretion of human placental lactogen (hPL) in the human chorionic villi. Fujimoto S, et al. Anat Rec 1986 Sep;216(1):68–72
A comparative study of ovine placental lactogen and prolactin secretion patterns in genetically dissimilar fetal co-twins. Kitts DD, et al. J Anim Sci 1987 Jun; 64(6):1696–702
Apolipoproteins AI, AII, and CI stimulate placental lactogen release from human placental tissue. A novel action of high density lipoprotein apolipoproteins. Handwerger S, et al. J Clin Invest 1987 Feb;79(2):625–8
Stimulation of ovine choriomammotrophin release, in vitro, by phospholipase C. Rice GE, et al. Placenta 1986 Nov-Dec;7(6):533–42

PLACENTAL PROTEINS see PREGNANCY PROTEINS

PLACENTAL VILLI see CHORIONIC VILLI

PLACENTATION

Congenital absence of the umbilical cord resulting from maldevelopment of embryonic body folding. Lockwood CJ, et al. Am J Obstet Gynecol 1986 Nov;155(5):1049–51
Defective haemochorial placentation as a cause of miscarriage: a preliminary study. Khong TY, et al.
Br J Obstet Gynaecol 1987 Jul;94(7):649–55
Inadequate maternal vascular response to placentation in pregnancies complicated by pre-eclampsia and by small-for-gestational age infants. Khong TY, et al.
Br J Obstet Gynaecol 1986 Oct;93(10):1049–59
Twin placentation and its complications. Johnson SF, et al. Semin Perinatol 1986 Jan;10(1):9–13
[Placental implantation as the cause of breech presentation] Haruyama Y. Nippon Sanka Fujinka Gakkai Zasshi 1987 Jan;39(1):92–8 (Eng. Abstr.) (Jpn)

PLACENTOMA, NORMAL see PLACENTA

PLACENTOME see PLACENTA

PLAGUE

Plague in a pregnant patient. Wong TW. Trop Doct 1986 Oct;16(4):187–9
[Plague] Barišić B, et al. Lijec Vjesn 1987 Jan;109(1):37–40 (Eng. Abstr.) (Ser)

DIAGNOSIS

Application of enzyme immunoassays for the confirmation of clinically suspect plague in Namibia, 1982. Williams JE, et al. Bull WHO 1986;64(5):745–52
Plague [letter] Hull HF, et al. West J Med 1986 Sep; 145(3):393–4
Plague masquerading as gastrointestinal illness. Hull HF, et al. West J Med 1986 Oct;145(4):485–7

HISTORY

A plague epidemic in voluntary quarantine. Coleman MP. Int J Epidemiol 1986 Sep;15(3):379–85
Plague and leprosy in the Middle Ages: a paradoxical cross-immunity? Ell SR.
Int J Lepr Other Mycobact Dis 1987 Jun;55(2):345–50
The Thucydides syndrome: another view. Holladay AJ. N Engl J Med 1986 Oct 30;315(18):1170–3
[Medical writings on the plague in the Middle Ages in Sweden] Hedlund M, et al. Sudhoffs Arch 1986;70(2):220–8 (Eng. Abstr.) (Ger)
[Berlin and the plague] Döll H. Z Arztl Fortbild (Jena) 1987; 81(4):189–91 (Ger)
[History of the control of plague in western Kazakhstan] Dushmanov SKh. Zh Mikrobiol Epidemiol Immunobiol 1986 Aug;(8):115–8 (Rus)
[Plague—a forgotten but uneradicated disease] Abom PE. Lakartidningen 1987 Apr 29;84(18):1549–52 (Swe)

IMMUNOLOGY

Comparative tests for detection of plague antigen and antibody in experimentally infected wild rodents. Shepherd AJ, et al. J Clin Microbiol 1986 Dec;24(6):1075–8

OCCURRENCE

Septicemic plague in New Mexico. Hull HF, et al.
J Infect Dis 1987 Jan;155(1):113–8
Plague and cholera surveillance in southern Africa. Isaäcson M. S Afr Med J 1986 Oct 11;Suppl:43–6

TRANSMISSION

Plague epidemics and fleas [letter] Van Arsdel WC 3d.
Perspect Biol Med 1987 Spring;30(3):467
Selected arthropod-borne diseases. Plague, Lyme disease, and babesiosis. Ryan CP.
Vet Clin North Am [Small Anim Pract] 1987 Jan; 17(1):179–94 (57 ref.)
[The rodent. Akodon arviculoides, Wagner, 1842 (Cricetidae)—importance in plague foci in Brazil] de Almeida CR, et al. Mem Inst Oswaldo Cruz 1986 Oct-Dec; 81(4):409–16 (Eng. Abstr.) (Por)

VETERINARY

Plague in a free-ranging mule deer from Wyoming. Thorne ET, et al. J Wildl Dis 1987 Jan;23(1):155–9

PLAICE see FLATFISHES

PLANARIANS see under TURBELLARIA

PLANIGRAPHY, X-RAY see TOMOGRAPHY, X-RAY

PLANKTON

see related
EUTROPHICATION
[Chronic experimental testing of a new formulated fish product—an analog of salmon based on isolated krill protein] Lebedeva EA, et al. Vopr Pitan 1987 Jan-Feb; (1):59–61 (Eng. Abstr.) (Rus)

ANALYSIS

[Qualitative and quantitative changes in microscopic organisms in the water from the Central Water Reservoir in Warsaw] Ranke-Rybicka B, et al.
Rocz Panstw Zakl Hig 1986;37(3):249–56 (Eng. Abstr.) (Pol)

CLASSIFICATION

[The species composition of phytoplankton and its consumption at breeding sites for blood-sucking mosquitoes] Shevchenko AK, et al. Biol Nauki 1987; (3):80–5 (Eng. Abstr.) (Rus)

CYTOLOGY

Light and dark control of the cell cycle in two marine phytoplankton species. Vaulot D, et al. Exp Cell Res 1986 Nov;167(1):38–52

DRUG EFFECTS

Toxic effects of tetraethyl lead and its derivatives on the chrysophyte Poterioochromonas malhamensis. VIII. Comparative studies with surfactants. Röderer G.
Arch Environ Contam Toxicol 1987 May;16(3):291–301
Growth and aggregation behavior of representative phytoplankton as affected by the environmental contaminant di-n-butyl phthalate. Lacey R, et al.
Bull Environ Contam Toxicol 1987 Jul;39(1):1–6
Short-term effects of polynuclear aromatic hydrocarbons on sea-surface microlayer phytoneuston. Riznyk RZ, et al.
Bull Environ Contam Toxicol 1987 Jun;38(6):1037–43

ENZYMOLOGY

Purification and characterization of a proteinase from Euphausia superba Dana (Antarctic krill). Turkiewicz M, et al. Acta Biochim Pol 1986;33(2):85–99

ISOLATION & PURIFICATION

[Research on plankton and pseudoplankton in cases of drowning] Zagriadskaia AP, et al. Sud Med Ekspert 1986 Jul-Sep;29(3):24–6 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Short-term exposure of zooplankton to the synthetic pyrethroid, fenvalerate, and its effects on rates of filtration and assimilation of the alga, Chlamydomonas reinhardii. Day K, et al. Arch Environ Contam Toxicol 1987 Jul; 16(4):423–32

ULTRASTRUCTURE

A method for cytogenetic and cytological examination of small shelled larvae of bivalves and other zooplankton. Stiles S, et al. Stain Technol 1987 Mar;62(2):113–7
[Visualization of diatoms with the scanning electron microscope] Jablonský P, et al. Bratisl Lek Listy 1987 Apr; 87(4):455–64 (Eng. Abstr.) (Slo)

PLANNED PARENTHOOD see FAMILY PLANNING

PLANNING, HEALTH AND WELFARE see HEALTH PLANNING

PLANNING, HEALTH FACILITY see HEALTH FACILITY PLANNING

PLANNING TECHNICS

see related
HEALTH PLANNING
SOCIAL PLANNING
Strategic planning—outline of plan. Fagin CM.
J Prof Nurs 1987 Mar-Apr;3(2):79, 124

PLANNING THEORIES see PLANNING TECHNICS

PLANT AGGLUTININS see LECTINS

PLANT DISEASES

Cryptic plant viruses. Boccardo G, et al. Adv Virus Res 1987; 32:171–214 (65 ref.)
Banana bunchy top: an economically important tropical plant virus disease. Dale JL. Adv Virus Res 1987;33:301–25 (51 ref.)
The dianthoviruses: a distinct group of isometric plant viruses with bipartite genome. Hiruki C. Adv Virus Res 1987; 33:257–300 (60 ref.)
Disease induction by plant viruses. van Loon LC.
Adv Virus Res 1987;33:205–55 (110 ref.)
Further investigations of race:cultivar-specific induction of enzymes related to phytoalexin biosynthesis in soybean roots following infection with Phytophthora megasperma f.sp. glycinea. Bonhoff A, et al.
Biol Chem Hoppe Seyler 1986 Aug;367(8):797–802
The use of isozyme loci as markers in transferring genes for disease resistance in plants. McMillin DE, et al.
Isozymes Curr Top Biol Med Res 1987;16:145–55
Outer membrane protein mediating iron uptake via pyoverdinpss, the fluorescent siderophore produced by Pseudomonas syringae pv. syringae. Cody YS, et al.
J Bacteriol 1987 May;169(5):2207–14
Molecular cloning of virulence genes from Erwinia stewartii. Coplin DL, et al. J Bacteriol 1986 Nov;168(2):619–23
Isolation of a Fusarium solani mutant reduced in cutinase activity and virulence. Dantzig AH, et al. J Bacteriol 1986 Nov;168(2):911–6
Gene cluster of Pseudomonas syringae pv. "phaseolicola" controls pathogenicity of bean plants and hypersensitivity of nonhost plants [published erratum appears in J Bacteriol in 1987 Feb;169(2):928] Lindgren PB, et al. J Bacteriol 1986 Nov;168(2):512–22
Test without EPA approval has come to an end [news] Ezzell C. Nature 1987 Sep 10–16;329(6135):95
Terminal structure of hypovirulence-associated dsRNAs in the chestnut blight fungus Endothia parasitica. Hiremath S, et al. Nucleic Acids Res 1986 Dec 22;14(24):9877–96
Isolation and characterization of cDNA clones encoding pathogenesis-related proteins from tobacco mosaic virus infected tobacco plants. Pfitzner UM, et al.
Nucleic Acids Res 1987 Jun 11;15(11):4449–65
Quantitative aspects of the ecology of biological invasions.
Philos Trans R Soc Lond [Biol] 1986 Dec 15; 314(1167):501–742
The invasion, persistence and spread of infectious diseases within animal and plant communities. Anderson RM, et al. Philos Trans R Soc Lond [Biol] 1986 Dec 15; 314(1167):533–70 (90 ref.)
Chronophytopathology. Kennedy BW, et al.
Prog Clin Biol Res 1987;227A:95–103
Symptom regulation induced by some plant virus–associated satellite-like RNAs. Piazzolla P. Prog Clin Biol Res 1987; 234:19–22
New questions in Strobel case [news] Roberts L. Science 1987 Sep 4;237(4819):1097–8
MSU faults Strobel for Dutch elm test [news] Roberts L. Science 1987 Sep 11;237(4820):1286
[Electron microscopic autoradiography of X-bodies associated with caulimovirus group infection] Fujisawa I, et al. Uirusu 1972 Sep;22(3):136–8 (Jpn)
[Characteristics of the action of extracts of pink-stained grain of fusarial and nonfusarial origin on the structure of the organs in growing rat pups] Kuvaeva IB, et al.
Vopr Pitan 1987 May-Jun;(3):58–62 (Eng. Abstr.) (Rus)

PLANT EXTRACTS

Hemodynamic effects of "san-huang-hsieh-hsin-tang" in patients with essential hypertension. Chen HC, et al.
Am J Chin Med 1986;14(3–4):153–6
Cardiovascular pharmacology of Panax notoginseng (Burk) F.H. Chen and Salvia miltiorrhiza. Lei XL, et al.
Am J Chin Med 1986;14(3–4):145–52
Khat: scientific knowledge and policy issues. Kalix P.
Br J Addict 1987 Jan;82(1):47–53
Alcohol use among khat (Catha) chewers in Kenya. Omolo

OE, et al. **Br J Addict** 1987 Jan;82(1):97–9
The use of khat. An epidemiological study in two Yemenite villages in Israel. Litman A, et al. **Cult Med Psychiatry** 1986 Dec;10(4):389–96
A study on parotid gland tumor induced in Swiss mice by tanin containing fraction of betelnut. Gothoskar SV, et al. **Indian J Exp Biol** 1986 Apr;24(4):229–31
Snail control by Calendula micrantha officinalis. el-Emam MA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):563–71
Insecticidal properties of some isolates from Duranta repens L. el-Naggar ME, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):243–9
The molluscicidal activity of Primulaceae and Chenopodiaceae. Shoeb HA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):607–16
The influence of khat-chewing on birth-weight in full-term infants. Abdul Ghani N, et al. **Soc Sci Med** 1987;24(7):625–7
[Red beet roots: realization of atomizing and freeze-dried extracts] Lejeune B, et al. **Ann Pharm Fr** 1986;44(6):461–6 (Eng. Abstr.) **(Fre)**
[Extract of Ginkgo biloba (EGb 761). Recent developments] **Presse Med** 1986 Sep 25;15(31):1441–604 **(Fre)**
[Technological improvement of the production of cachiri, a fermented beverage made from cassava (Manihot esculenta Crantz) of indigenous origin] Carrizales V, et al. **Acta Cient Venez** 1986;37(3):318–24 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Prevalence of khat chewers among primary health clinic attenders in Kenya. Omolo OE, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):318–20
Flowers of Hibiscus rosa-sinensis, a potential source of contragestative agent. III: Interceptive effect of benzene extract in mouse. Pakrashi A, et al. **Contraception** 1986 Nov; 34(5):523–36
Combined effect of cyclophosphamide and extracts of Crotalaria and Senecio plants on experimental tumours. Indap MA, et al. **Indian J Physiol Pharmacol** 1986 Apr–Jun; 30(2):182–6
[Use of aromatic volatile biologically active substances of plant origin in children's preschool institutions for the prevention of respiratory diseases] Andrushchuk AA, et al. **Pediatriia** 1986 Aug;(8):44–6 **(Rus)**

ADVERSE EFFECTS

Stomach cancer in Japan: relationship to a common folk remedy? Weiner MA. **Med Hypotheses** 1986 Aug; 20(4):357–8

ANALYSIS

Dot assay for neomycin phosphotransferase activity in crude cell extracts. Platt SG, et al. **Anal Biochem** 1987 May 1; 162(2):529–35
Development of a tablet excipient from bagasse. Padmadisastra Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):289–93
Studies on constituents of medicinal plants. XVIII. Constituents of the leaves of Clethra barbinervis Sieb. et Zucc. (1). Takani M, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):981–5
New 3-hydroxyflavanone (dihydroflavonol) phytoalexins from the papilionate legume Shuteria vestita. Ingham JL, et al. **J Nat Prod** 1986 Jul–Aug;49(4):631–8
New daucane esters from Ferula tingitana. Miski M, et al. **J Nat Prod** 1986 Jul–Aug;49(4):657–60
Determination of urinary lignans and phytoestrogen metabolites, potential antiestrogens and anticarcinogens, in urine of women on various habitual diets. Adlercreutz H, et al. **J Steroid Biochem** 1986 Nov;25(5B):791–7
Crystal and molecular structure of BN 52021, a PAF-acether antagonist. Comparison with the conformation of Kadsurenone and related compounds. Dupont L, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:25–32
[HPLC analysis of a drug in traditional medicine: Harpagophytum procumbens DC. I] Ficarra P, et al. **Boll Chim Farm** 1986 Jul;125(7):250–3 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

[Role of rice phytoalexin on plant host-parasite interactions] Akatsuka T. **Seikagaku** 1986 Mar;59(3):187–9 (12 ref.) **(Jpn)**

HISTORY

[Forensic pharmacognosy: plant-derived drugs—myth and reality (I)] Grigorescu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):531–6 **(Rum)**

ISOLATION & PURIFICATION

[Chemical constituents of Cistanche deserticola] Luo SF. **Chung Yao Tung Pao** 1986 Nov;11(11):41–2 **(Chi)**
[Studies on the chemical constituents of Atalantia buxifolia (Poir.) Oliv] Gu YQ, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):792–5 (Eng. Abstr.) **(Chi)**
[Studies on the active constituents of Syringa amurensis-Rupr. II. Isolation and structural elucidation of methyl syramuraldehydate] Liang WZ, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):906–11 (Eng. Abstr.) **(Chi)**
[The structure of lactiflorasyne isolated from Artemisia lactiflora wall] Xu CJ, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):772–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Increased susceptibility and reduced phytoalexin accumulation in drought-stressed peanut kernels challenged with Aspergillus flavus. Wotton HR, et al. **Appl Environ Microbiol** 1987 Feb;53(2):270–3
Isolation and identification of higher plant agents active in antimutagenic assay systems: Glycyrrhiza glabra. Mitscher LA, et al. **Basic Life Sci** 1986;39:153–65
Nitrosation products from the plant Ephedra altissima and their potential endogenous formation. Tricker AR, et al. **Cancer Lett** 1987 May;35(2):199–206
Correlation between ethanol resistance and incorporation of nutrients by must fermenting yeast. Girbés T, et al. **Cell Mol Biol** 1986;32(5):545–9
Conversion of pyridoxine into 6-hydroxypyridoxine by food components, especially ascorbic acid. Tadera K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Jun;32(3):267–77
Isolation of vitamin D3 metabolites from Solanum malacoxylon leaf extracts incubated with ruminal fluid. Boland RL, et al. **Planta Med** 1987 Apr;53(2):161–4
Absorption, transport, and deposition in chickens of lutein diester, a carotenoid extracted from marigold (Tagetes erecta) petals. Tyczkowski JK, et al. **Poult Sci** 1986 Aug; 65(8):1526–31

PHARMACODYNAMICS

Histochemical localization of alkaline phosphatase in the uterus of rats: response to a few indigenous plant extracts. Mathur R. **Acta Eur Fertil** 1986 Jul–Aug;17(4):297–300
Uterine histoarchitecture during pre and post-implantation periods of rats treated with aqueous extract of Moringa oleifera Lam. Prakash AO, et al. **Acta Eur Fertil** 1987 Mar–Apr;18(2):129–35
On the mechanism of the smooth-muscle action of rosanol. Maleev A, et al. **Acta Physiol Pharmacol Bulg** 1987; 13(1):3–10
Proofs of involvement of PAF-acether in various immune disorders using BN 52021 (ginkgolide B): a powerful PAF-acether antagonist isolated from Ginkgo biloba L. Braquet P. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:179–98 (82 ref.)
Changes in cytosolic free calcium induced by platelet-activating factor in rabbit platelets: specific inhibition by BN 52021 and structurally related compounds. Baroggi N, et al. **Agents Actions [Suppl]** 1986;20:87–97
Epstein-Barr virus-enhancing plant promoters in east Africa. Mizuno F, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S151–5
Diuretic and natriuretic properties of prestegane B, a mammalian lignan. Plante GE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R375–8
Smooth muscle inhibition by an extract of Sesbania drummondii. Venugopalan CS, et al. **Am J Vet Res** 1987 Feb;48(2):293–6
Antifungal activity of ajoene derived from garlic. Yoshida S, et al. **Appl Environ Microbiol** 1987 Mar;53(3):615–7
Effects of Chrysanthemum indicum Linn. on coronary, vertebral, renal and aortic blood flows of the anesthetized dog. Kato T, et al. **Arch Int Pharmacodyn Ther** 1987 Feb; 285(2):288–300
The action of "REGOPAR"—a natural product—on liver parenchyma's regenerations after partial and undertotal hepatectomy. Andronescu E, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec; 45(3–4):267–73
Effects of an antistress drug on the heat tolerance of broiler breeder hens. Gill SP, et al. **Beitr Trop Landwirtsch Veterinarmed** 1986;24(3):335–8
The molecular basis of the antiplatelet action of ajoene: direct interaction with the fibrinogen receptor [published erratum appears in Biochem Biophys Res Commun 1987 May 14;144(3):1348] Apitz-Castro R, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):145–50
Stimulation of superoxide anion formation by the non-TPA type tumor promoters palytoxin and thapsigargin in porcine and human neutrophils. Kano S, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):672–7
Inhibition of human lymphocyte proliferation and interleukin 2 production by platelet activating factor (PAF-acether): reversal by a specific antagonist, BN 52021. Rola-Pleszczynski M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):754–60
The calcium mobilizing tumor promoting agent, thapsigargin elevates the platelet cytoplasmic free calcium concentration to a higher steady state level. A possible mechanism of action for the tumor promotion. Thastrup O, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):654–60
Effect of garlic oil extract on serum, liver and kidney enzymes of rats fed on high sucrose and alcohol diets. Adoga GI, et al. **Biochem Int** 1986 Oct;13(4):615–24
The anti-inflammatory activity of Enicostemma littorale and Mollugo cerviana. Sadique J, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):167–76
The influence of the sesquiterpene lactones from Geigeria on mast cell degranulation. Gaspar AR, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2461–5
Synergism between thapsigargin and the phorbol ester 12-O-tetradecanoylphorbol 13-acetate on the release of [14C]arachidonic acid and histamine from rat peritoneal mast cells. Jacobsen S, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):621–6
Inhibition of the metabolism of platelet activating factor (PAF-acether) by three specific antagonists from Ginkgo biloba. Lamant V, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2749–52
Reduced turnover of the elongation factor EF-1 X ribosome complex after treatment with the protein synthesis inhibitor II from barley seeds. Nilsson L, et al. **Biochim Biophys Acta** 1986 Oct 16;868(1):62–70
The inflammatory and tumor-promoting sesquiterpene lactone, thapsigargin, activates platelets by selective mobilization of calcium as shown by protein phosphorylations. Thastrup O, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):65–73
Kinin antagonist activity of compounds from Mandevilla velutina in the rat isolated uterus. Calixto JB, et al. **Br J Pharmacol** 1987 May;91(1):199–204
Effect of some soybean and bean phytoalexins and related isoflavonoids on growth of Candida albicans. Stössel P. **Can J Microbiol** 1987 May;33(5):461–4
Plant phenolics as inhibitors of mutational and precarcinogenic events. Newmark HL. **Can J Physiol Pharmacol** 1987 Mar;65(3):461–6 (48 ref.)
Effect of extract from salviae miltiorrhizae radix on uremic rats. Chung HY, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3818–22
The Ca2+ antagonist activity of lignans. Ichikawa K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3514–7
Anti-thrombic actions of 70% methanolic extract and cinnamic aldehyde from cinnamomi cortex. Matsuda H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1275–80
Physicochemical properties and immunomodulating activities of hot water extract from sclerotia of Sclerotinia sclerotiorum IFO 9395. Ohno N, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5071–8
Effect of extract from rhei rhizoma on dietary hyperazotemia in rats. Yokozawa T, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4233–7
Studies on immunological effects of pyran. 1. Enhancement of antibody production in mice. Lin YC. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):89–92
Disruption of pregnancy in mouse by aristolic acid: I. Plausible explanation in relation to early pregnancy events. Ganguly T, et al. **Contraception** 1986 Dec;34(6):625–37
Oral administration of a water extract of Phytolacca dodecandra l'herit in mice—effects on reproduction. Mamo E, et al. **Contraception** 1987 Feb;35(2):155–61
Water soluble high molecular weight components from plants with potent intraocular pressure lowering activity. Deutsch HM, et al. **Curr Eye Res** 1987 May;6(5):733–4
Water soluble high molecular weight components from plants with potent intraocular pressure lowering activity. Deutsch HM, et al. **Curr Eye Res** 1987 Jul;6(7):949–50
Prostaglandin involvement in the responses of the rabbit eye to water-soluble marihuana-derived material. Green K, et al. **Curr Eye Res** 1987 Feb;6(2):337–44
Subjective effects of khat chewing in humans. Nencini P, et al. **Drug Alcohol Depend** 1986 Sep;18(1):97–105
Interference of BN 52021 (ginkgolide B) with the bronchopulmonary effects of PAF-acether in the guinea-pig. Desquand S, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):83–95
Effect of BN 52021, a specific PAF-acether antagonist, on cardiac anaphylaxis in Langendorff hearts isolated from passively sensitized guinea-pigs. Koltai M, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):133–6
Ginkgo biloba extract inhibits oxygen species production generated by phorbol myristate acetate stimulated human leukocytes. Pincemail J, et al. **Experientia** 1987 Feb 15; 43(2):181–4
Antiulcer and healing activity of Vaccinium myrtillus anthocyanosides. Cristoni A, et al. **Farmaco [Prat]** 1987 Feb;42(2):29–43
Evidence for platelet-activating factor as a mediator of endotoxin-induced gastrointestinal damage in the rat. Effects of three platelet-activating factor antagonists. Wallace JL, et al. **Gastroenterology** 1987 Oct;93(4):765–73
Effects of platelet-activating factor on electrophysiology of isolated retinas and their inhibition by BN 52021, a specific PAF-acether receptor antagonist. Doly M, et al. **Immunopharmacology** 1987 Jun;13(3):189–94
Effect of garlic extract on in vitro uptake of Ca2+ and HPO4(2-) by matrix of sheep aorta. Mirhadi SA, et al. **Indian J Exp Biol** 1987 Jan;25(1):22–3
Assessment of oestrogenecity of neem leaf extract in rats [letter] Mateenuddin M, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar;30(1):118–9
Some pharmacological actions of the essential oil of Blumea membranacea. Mehta SC, et al. **Indian J Physiol Pharmacol** 1986 Apr–Jun;30(2):149–54
Bronchodilator and anti-inflammatory effect of glycosidal fraction of Acacia farnesiana. Trivedi CP, et al. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):267–8
Diuretic effect of Aerua lanata with water, normal saline and coriander as controls. Udupihille M, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar;30(1):91–7
Mediation of human NK-activity by components in extracts of Viscum album. Hamprecht K, et al.

Int J Immunopharmacol 1987;9(2):199–209

Inhibition of rat endotoxin-induced lethality by BN 52021 and BN 52063, compounds with PAF-acether antagonistic effect and protease-inhibitory activity. Etienne A, et al. **Int J Tissue React** 1987;9(1):19–26

Activity of RA-700, a cyclic hexapeptide from Rubiae Radix, in the human tumor clonogenic assay. Inoue K, et al. **Invest New Drugs** 1986;4(3):231–6

Inhibition of beta-lactamases from Yersinia enterocolitica by plant extracts. Jimenez-Valera M, et al. **J Antimicrob Chemother** 1987 Jan;19(1):31–7

Antiretroviral activity in a marine red alga: reverse transcriptase inhibition by an aqueous extract of Schizymenia pacifica. Nakashima H, et al. **J Cancer Res Clin Oncol** 1987;113(5):413–6

Stimulation of arachidonic acid metabolism in rat peritoneal macrophages by thapsigargin, a non-(12-O-tetradecanoylphorbol-13-acetate) (TPA)-type tumor promoter. Ohuchi K, et al. **J Cancer Res Clin Oncol** 1987;113(4):319–24

Effects of five kampohozais on the mitogenic activity of lipopolysaccharide, concanavalin A, phorbol myristate acetate and phytohemagglutinin in vivo. Iwama H, et al. **J Ethnopharmacol** 1986 Nov;18(2):193–204

Effects of an extract of khat (Catha edulis) on the toad heart. Nabil Z, et al. **J Ethnopharmacol** 1986 Dec;18(3):245–56

Effect of Cuscuta chinensis water extract on 7,12-dimethylbenz[a]anthracene-induced skin papillomas and carcinomas in mice. Nisa M, et al. **J Ethnopharmacol** 1986 Oct;18(1):21–31

Skeletal muscle relaxant properties of the aqueous extract of Portulaca oleracea. Okwuasaba F, et al. **J Ethnopharmacol** 1986 Aug;17(2):139–60

Analgesic, antipyretic and ulcerogenic activity of Nyctanthes arbor tristis leaf extract. Saxena RS, et al. **J Ethnopharmacol** 1987 Mar-Apr;19(2):193–200

Effects of Salvadora persica extracts on mice exploratory locomotion activities. Sulaiman MI, et al. **J Ethnopharmacol** 1986 Sep;17(3):263–8

Effects of Chinese herbal medicine "kanbaku-taiso-to" on transmembrane ionic currents and its local anesthetic action. Tsuda T, et al. **J Ethnopharmacol** 1986 Sep; 17(3):257–61

Immunomodulatory activity of an aqueous extract of Azadirachta indica stem bark. van der Nat JM, et al. **J Ethnopharmacol** 1987 Mar-Apr;19(2):125–31

Conformation and activity of tetrahydrofuran lignans and analogues as specific platelet activating factor antagonists. Biftu T, et al. **J Med Chem** 1986 Oct;29(10):1917–21

Effects of an extract of Ginkgo biloba on the 3',5'-cyclic AMP phosphodiesterase activity of the brain of normal and triethyltin-intoxicated rats. Macovschi O, et al. **J Neurochem** 1987 Jul;49(1):107–14

Regression of experimental hamster cancer by beta carotene and algae extracts. Schwartz J, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):510–5

The components of Melissa officinalis L. that influence protein biosynthesis in-vitro. Chlabicz J, et al. **J Pharm Pharmacol** 1986 Nov;38(11):791–4

The effect of phenylpentenyl-khatamines on the release of radioactivity from rat striatal tissue prelabelled with [3H]dopamine. Kalix P, et al. **J Pharm Pharmacol** 1987 Feb;39(2):135–7

Anti-inflammatory activity of a polysaccharidic fraction of Echinacea angustifolia. Tubaro A, et al. **J Pharm Pharmacol** 1987 Jul;39(7):567–9

Diuretic action of garlic extract in anaesthetised normotensive dogs. Sharafatullah T, et al. **JPMA** 1986 Nov;36(11):280–2

Chronic effect of datura (seed) extract on the brain of albino rats. Hasan SS, et al. **Jpn J Pharmacol** 1987 May;44(1):1–6

Garlic extract inhibits the enhanced peroxidation and production of lipids in carbon tetrachloride-induced liver injury. Kagawa K, et al. **Jpn J Pharmacol** 1986 Sep; 42(1):19–26

Abolishment of non-quantal release of acetylcholine from the mouse phrenic nerve endings by toosendanin. Shih YL. **Jpn J Physiol** 1986;36(3):601–5

Effect of a ginkgolide mixture (BN 52063) in antagonising skin and platelet responses to platelet activating factor in man. Chung KF, et al. **Lancet** 1987 Jan 31;1(8527):248–51

Influence of an extract of Ginkgo biloba on cerebral blood flow and metabolism. Krieglstein J, et al. **Life Sci** 1986 Dec 15;39(24):2327–34

Nuclear medical investigations on the effect of Miroton on end-diastolic volume and left ventricular ejection fraction. Koppenhagen K, et al. **Methods Find Exp Clin Pharmacol** 1986 Oct;8(10):643–5

Effects of meclofenoxate and Extr. Rhodiolae roseae L. on electroconvulsive shock-impaired learning and memory in rats. Lazarova MB, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):547–52

Antimicrobial activity of protoanemonin, a lactone from ranunculaceous plants. Mares D. **Mycopathologia** 1987 Jun; 98(3):133–40

In vitro effectiveness of a mistletoe preparation on cytostatic-drug-resistant human leukemia cells. Hülsen H, et al. **Naturwissenschaften** 1987 Mar;74(3):144–5

Intestinal carcinogenesis and dietary fibers: the influence of cellulose or Fybogel chronically given after exposure to DMH. Wilpart M, et al. **Nutr Cancer** 1987;10(1-2):39–51

Immunomodulatory effects of iscador: a Viscum album preparation. Hajto T. **Oncology** 1986;43 Suppl 1:51–65

Comparison of the effects of fermented and unfermented mistletoe preparations on cultured tumor cells. Ribéreau-Gayon G, et al. **Oncology** 1986;43 Suppl 1:35–41

Effect of licorice extract (Fm100) on release of secretin and exocrine pancreatic secretion in humans. Shiratori K, et al. **Pancreas** 1986;1(6):483–7

Measurements of the increase in the difference between the arterial and venous Hb-O2 saturation obtained with daily administration of 200 mg standardized ginseng extract G115 for four weeks. Long-term increase of the O2 transport into the organs and tissues of the organism through biologically active substances. von Ardenne M, et al. **Panminerva Med** 1987 Apr-Jun;29(2):143–50

Changes in brain catecholamine mechanisms following perinatal exposure to marihuana. Walters DE, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):763–8

Interference of BN 52021, a PAF-acether antagonist, with endotoxin-induced hypotension in the guinea-pig. Adnot S, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:197–200

The effects of PAF-acether on the cardiovascular system and their inhibition by a new highly specific PAF-acether receptor antagonist BN 52021. Baranes J, et al. **Pharmacol Res Commun** 1986 Aug;18(8):717–37

Protection by two ginkgolides, BN-52020 and BN-52021, against guinea-pig lung anaphylaxis. Berti F, et al. **Pharmacol Res Commun** 1986 Sep;18(9):775–93

Inhibitory effects of a novel platelet activating factor (PAF) antagonist (BN 52021) on antigen-induced prostaglandin and thromboxane formation by the guinea pig lung. Harczy M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:111–7

Inhibitory action of shosaikoto and daisaikoto (traditional Chinese medicine) on collagen-induced platelet aggregation and prostaglandin biosynthesis. Amagaya S, et al. **Planta Med** 1986 Oct;(5):345–9

In vivo and in vitro effects of kalmegh (Andrographis paniculata) extract and andrographolide on hepatic microsomal drug metabolizing enzymes. Choudhury BR, et al. **Planta Med** 1987 Apr;53(2):135–40

In vitro amoebicidal testing of natural products; Part I. Methodology. Keene AT, et al. **Planta Med** 1986 Aug; (4):278–85

Effects of caffeoylglycosides on arachidonate metabolism in leukocytes. Kimura Y, et al. **Planta Med** 1987 Apr; 53(2):148–53

Antitussive effects of L-ephedrine, amygdalin, and makyokansekito (Chinese traditional medicine) using a cough model induced by sulfur dioxide gas in mice. Miyagoshi M, et al. **Planta Med** 1986 Aug;(4):275–8

The potencies of thapsigargin and analogues as activators of rat peritoneal mast cells. Norup E, et al. **Planta Med** 1986 Aug;(4):251–5

Effect of Datura (seed) on rat brain and urinary metabolites. Hasan SS, et al. **Pol J Pharmacol Pharm** 1986 Jul-Aug; 38(4):329–34

Suanzaorentang, and anxiolytic Chinese medicine, affects the central adrenergic and serotonergic systems in rats. Hsieh MT, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct; 10(4):263–8

Interference of the PAF-acether antagonist BN 52021 with endotoxin-induced hypotension in the guinea-pig. Adnot S, et al. **Prostaglandins** 1986 Dec;32(6):791–802

Thrombus induction by endogenic paf-acether and its inhibition by Ginkgo Biloba extracts in the guinea pig. Bourgain RH, et al. **Prostaglandins** 1986 Jul;32(1):142–4

A study with BN 52021 demonstrates the involvement of PAF-acether in IgE-dependent anaphylactic bronchoconstriction. Cirino M, et al. **Prostaglandins** 1986 Jul;32(1):121–6

Inhibition of PAF-acether induced weal and flare reaction in man by a specific PAF antagonist. Guinot P, et al. **Prostaglandins** 1986 Jul;32(1):160–3

Interference of the PAF-acether antagonist BN 52021 with passive anaphylaxis in the guinea-pig. Lagente V, et al. **Prostaglandins** 1987 Feb;33(2):265–74

Inhibition of human neutrophil 5-lipoxygenase activity by gingerdione, shogaol, capsaicin and related pungent compounds. Flynn DL, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2-3):195–8

Onion exerts antiaggregatory effects by altering arachidonic acid metabolism in platelets. Srivastava KC. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):43–50

Effect of BN 52021, a specific antagonist of platelet activating factor (PAF-acether), on calcium movements and phosphatidic acid production induced by PAF-acether in human platelets. Simon MF, et al. **Thromb Res** 1987 Feb 15;45(4):299–309

Genotoxic activity of an alkaloidal extract of Senecio nemorensis, ssp. fuchsii in Salmonella typhimurium and Escherichia coli-systems. Pool BL. **Toxicology** 1982; 24(3-4):351–5

Effects of the sesquiterpene lactone tetraesters thapsigargicin and thapsigargin, from roots of Thapsia garganica L., on isolated spinach chloroplasts. Santarius KA, et al. **Toxicon** 1987;25(4):389–99

Effect of root extract from Boerhaavia diffusa L., containing an antiviral principle upon plaque formation of RNA bacteriophages. Awasthi LP, et al. **Zentralbl Mikrobiol** 1986;141(5):415–9

[Antiviral properties of various extracts of natural origin] Husson GP, et al. **Ann Pharm Fr** 1986;44(1):41–8 (Eng. Abstr.) **(Fre)**

[Determination of the diuretic action of different preparations of Ononis speciosa Lag. and Ononis mitissima L.] Marhuenda Requena E, et al. **Ann Pharm Fr** 1986; 44(6):455–60 (Eng. Abstr.) **(Fre)**

[Effects of an extract of the bark of Pygeum africanum (V.1326) on prostatic secretions in the rat and in man] Clavert A, et al. **Ann Urol (Paris)** 1986;20(5):341–3 (Eng. Abstr.) **(Fre)**

[Natural substances regulating fertility. Effect of plant extracts in the Ivory Coast pharmacopoeia on the release of LH by hypophyseal cells in culture] Benie T, et al. **C R Soc Biol (Paris)** 1987;181(2):163–7 (Eng. Abstr.) **(Fre)**

[Effects of sage essence on the epileptogenic threshold and amygdaloid body in the rat. Preliminary report] Vion Dury J, et al. **J Toxicol Clin Exp** 1986 Jan-Feb;6(1):29–31 (Eng. Abstr.) **(Fre)**

[Active principles of plant origin: a tool for studying membrane receptors] Plat M. **Presse Med** 1986 Sep 25; 15(31):1444–9 (Eng. Abstr.) **(Fre)**

[Experimental studies on the action of extracts of herba recens Echinaceae purpureae on skin flaps] Meissner FK. **Arzneimittelforschung** 1987 Jan;37(1):17–8 (Eng. Abstr.) **(Ger)**

[Animal experiments on the psychotropic action of a Hypericum extract] Okpanyi SN, et al. **Arzneimittelforschung** 1987 Jan;37(1):10–3 (Eng. Abstr.) **(Ger)**

[Breath and blood alcohol concentration following intake of Eleutherococcus and Gallexier] Gerling I, et al. **Blutalkohol** 1986 Nov;23(6):400–6 (Eng. Abstr.) **(Ger)**

[Diuretic and uricosuric activity of Agrimonia eupatoria L.] Giachetti D, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30; 62(6):705–11 (Eng. Abstr.) **(Ita)**

[Studies on Ganoderma lucidum. VI. Anti-allergic effect. (1)] Nogami M, et al. **Yakugaku Zasshi** 1986 Jul; 106(7):594–9 (Eng. Abstr.) **(Jpn)**

[Molluscicide activity of some natural products on Biomphalaria glabrata] Mendes NM, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar;81(1):87–91 (Eng. Abstr.) **(Por)**

[Antimutagenic effect of Eleutherococcus extracts on plants treated with ethylmethane sulfonate] Strel'chuk SI. **Tsitol Genet** 1987 Mar-Apr;21(2):136–9 (Eng. Abstr.) **(Rus)**

[Dilution of the toxic action of 5-fluorouracil on the mucosa of the small intestine in mice using the sap of plantain] Borovskaia TG, et al. **Vopr Onkol** 1987;33(7):60–4 (Eng. Abstr.) **(Rus)**

[Determination of the inhibitory effect of a biologically active preparation on the reproduction of micro-organisms from the intestines of ruminants] Novák S, et al. **Vet Med (Praha)** 1987 Jun;32(6):337–42 (Eng. Abstr.) **(Slo)**

[The antihypertensive activity of Ononis natrix L.] Marhuenda Requena E, et al. **Farmaco [Prat]** 1987 Feb; 42(2):45–9 (Eng. Abstr.) **(Spa)**

[Antimitotic activity of aqueous acid extracts and phenol acid fractions of Erica andevalensis Carbezudo-Rivera] Pascual M, et al. **Farmaco [Prat]** 1987 Apr;42(4):111–5 (Eng. Abstr.) **(Spa)**

POISONING

Contact dermatitis and respiratory symptoms from Narcissus pseudonarcissus. Gonçalo S, et al. **Contact Dermatitis** 1987 Feb;16(2):115–6

Allergy to Matricaria chamomilla. van Ketel WG. **Contact Dermatitis** 1987 Jan;16(1):50–1

STANDARDS

Standardized extracts modified allergens--allergoids. Maasch HJ, et al. **Clin Rev Allergy** 1987 Feb;5(1):89–106 (45 ref.)

THERAPEUTIC USE

Stimulation of astrocytes affects cytotoxic brain edema. Sancesario G, et al. **Acta Neuropathol (Berl)** 1986;72(1):3–14

The influence of anti-arthritic medicinal plants on trace elements metabolism in adjuvant arthritic rats. Sadique J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:406–9

The action of "REGOPAR" compared with other liver protective drugs in cirrhogenic aggressive chronic hepatitis, experimentally induced by albino rats. Andronescu E, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul-Dec;45(3-4):275–83

Centelia asciatica linn (Thankuni) in the treatment of leprosy. Ali SM, et al. **Bangladesh Med Res Counc Bull** 1986 Dec; 12(2):74–7

Effect of extracts obtained from rhubarb in rats with chronic renal failure. Yokozawa T, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4718–23

Treatment of diabetes mellitus by Artemisia herba-alba extract: preliminary study. Al-Waili NS. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):569–73

Important Chinese herbal remedies. Ding GS. **Clin Ther** 1987; 9(4):345–57

Clinical trial of gugulipid--a new hypolipidemic agent of plant origin in primary hyperlipidemia. Agarwal RC, et al. **Indian J Med Res** 1986 Dec;84:626–34

Double-blind, placebo-controlled immunotherapy with a

high-molecular-weight, formalinized allergoid in grass pollen allergy. Bousquet J, et al.
Int Arch Allergy Appl Immunol 1987;82(3-4):550-2

Suanzaorentang versus diazepam: a controlled double-blind study in anxiety. Chen HC, et al.
Int J Clin Pharmacol Ther Toxicol 1986 Dec;24(12):646-50

Clinical trial of ethyl acetate extract of gum guggulu (gugulipid) in primary hyperlipidemia. Gopal K, et al.
J Assoc Physicians India 1986 Apr;34(4):249-51

Effects of crude drugs on experimental hypercholesterolemia. I. Tea and its active principles. Matsuda H, et al.
J Ethnopharmacol 1986 Sep;17(3):213-24

Effect of an aqueous infusion of Guatteria gaumeri bark upon gallbladder calculi in the golden hamster. Tena-Betancourt E, et al. **J Ethnopharmacol** 1987 Mar-Apr;19(2):221-6

Clinical trial of mustong on secondary sexual impotence in male married diabetics. Ojha JK, et al.
J Med Assoc Thai 1987 Mar;70 Suppl 2:228-30

Effects of a blended Chinese medicine, xiao-chai-hu-tang, on Lewis lung carcinoma growth and inhibition of lung metastasis, with special reference to macrophage activation. Ito H, et al. **Jpn J Pharmacol** 1986 Jul;41(3):307-14

The effect of DDB on dystrophic hamsters: an in vivo and in vitro study. Shen DG, et al. **Muscle Nerve** 1987 Jun; 10(5):391-6

Pleura carcinosis. Cytomorphological findings with the mistletoe preparation iscador and other pharmaceuticals. Salzer G. **Oncology** 1986;43 Suppl 1:66-70

Pharmacological control of the in vivo passive anaphylactic shock by the PAF-acether antagonist compound BN 52021. Vilain B, et al. **Pharmacol Res Commun** 1986 Aug; 18 Suppl:119-26

Effects of an extract from Phyllanthus niruri on hepatitis B and woodchuck hepatitis viruses: in vitro and in vivo studies. Venkateswaran PS, et al.
Proc Natl Acad Sci USA 1987 Jan;84(1):274-8

Turmeric and curcumin as topical agents in cancer therapy. Kuttan R, et al. **Tumori** 1987 Feb 28;73(1):29-31

[Experimental prerequisites for using extracts of a representative of the genus Potentilla as an antivaricose agent] Bakracheva N, et al. **Eksp Med Morfol** 1986; 25(4):26-31 (Eng. Abstr.) **(Bul)**

[Use of tribestan on rams with sexual disorders] Dimitrov M, et al. **Vet Med Nauki** 1987;24(5):102-10 (Eng. Abstr.) **(Bul)**

[Analgesic effect of RAP cream in the pain syndrome of venous insufficiency of the lower extremities] Marhic C, et al. **Phlebologie** 1986 Oct-Dec;39(4):1011-5 **(Fre)**

[Treatment of mastopathies with cyclic mastodynia. Clinical results and hormonal profiles] Kubista E, et al.
Rev Fr Gynecol Obstet 1987 Apr;82(4):221-7 (Eng. Abstr.) **(Fre)**

[Immunomodulation with natural products. I. Effect of an aqueous extract of Raphanus sativus niger on experimental influenza infection in mice] Prahoveanu E, et al.
Virologie 1987 Apr-Jun;38(2):115-20 (Eng. Abstr.) **(Fre)**

[Regression of the symptoms of prostatic adenomas. Results of 6 months' conservative treatment using ERU capsules] Maar K. **Fortschr Med** 1987 Jan 10;105(1):18-20 (Eng. Abstr.) **(Ger)**

[Treatment of drug-induced gastrointestinal disorders. Double-blind study of the effectiveness of Iberogast compared to placebo] Mac Lean N, et al.
Fortschr Med 1987 Apr 25;105(12):239-42 (Eng. Abstr.) **(Ger)**

[Treatment of decreasing cardiac performance. Therapy using standardized crataegus extract in advanced age] O'Conolly M, et al. **Fortschr Med** 1986 Nov 13; 104(42):805-8 (Eng. Abstr.) **(Ger)**

[Cancer drugs of questionable effectiveness] Kleeberg UR. **Med Klin** 1986 May 27;81(12):433-4 **(Ger)**

[Controlled study of increasing venous tone in primary varicose veins by oral administration of Ruscus aculeatus and trimethylhespiridinchalcone] Weindorf N, et al.
Z Hautkr 1987 Jan 1;62(1):28-38 (Eng. Abstr.) **(Ger)**

[Clinical study of a new preparation from plantago seeds and senna pods] Bossi S, et al.
Acta Biomed Ateneo Parmense 1986;57(5-6):179-86 (Eng. Abstr.) **(Ita)**

[Conservative treatment of benign prostatic hypertrophy: reevaluation of the effect of eviprostat by subjective symptoms and uroflowmetry] Matsuura T, et al.
Hinyokika Kiyo 1986 Jun;32(6):903-6 (Eng. Abstr.) **(Jpn)**

[Pharmacological study of TJ-8007 (Tsumura-Zokumeito) (I): Protective effects of TJ-8007 against anoxic brain damage] Goto K, et al. **Nippon Yakurigaku Zasshi** 1987 Jun;89(6):355-63 (Eng. Abstr.) **(Jpn)**

[Studies on Ganoderma lucidum. VII. Anti-allergic effect. (2)] Nogami M, et al. **Yakugaku Zasshi** 1986 Jul; 106(7):600-4 (Eng. Abstr.) **(Jpn)**

[Treatment of post-burn keloid with Contractubex compositum ointment (Merz)] Chadzyńska M.
Przegl Dermatol 1987 Jan-Feb;74(1):55-61 (Eng. Abstr.) **(Pol)**

[Effect of kaleflon on the course of experimental hepatitis] Ubeeva IP, et al. **Farmakol Toksikol** 1987 Jan-Feb; 50(1):66-71 (Eng. Abstr.) **(Rus)**

[Changes in hemopoiesis in the rat as a result of combined exposure to acceleration, irradiation and radiation-modifying agents] Tenchova VB, et al.
Kosm Biol Aviakosm Med 1987 Mar-Apr;21(2):85-6 **(Rus)**

[Effect of aloe on the resistance of the optic nerve system of the eye] Dumbrova NE, et al. **Oftalmol Zh** 1986; (8):494-6 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the hypoglycemic activity of the vegetal complex of Phaseolus vulgaris and chlorpropamide in experimental diabetes] Khaleeva LD, et al.
Probl Endokrinol (Mosk) 1987 Mar-Apr;33(2):69-71 (Eng. Abstr.) **(Rus)**

[Treatment of periodontitis by enzymes combined with antibiotics] Danilevskiĭ NF, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):30-2 (Eng. Abstr.) **(Rus)**

[Effect of laser and aerosol electrophytotherapy on immunological reactivity in respiratory diseases in children] Orzheshkovskiĭ VV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1987 May-Jun; (3):30-2 (Eng. Abstr.) **(Rus)**

[Effect of a Rhodiola extract on the tumor process in an experiment] Dement'eva LA, et al. **Vopr Onkol** 1987; 33(7):57-60 (Eng. Abstr.) **(Rus)**

[Medical treatment of the prostatism syndrome. Comparative study] Martínez Agulló E, et al. **Arch Esp Urol** 1987 May; 40(4):247-53 (Eng. Abstr.) **(Spa)**

TOXICITY

Microsomal activation of constituents of white snakeroot (Eupatorium rugosum Houtt) to form toxic products. Beier RC, et al. **Am J Vet Res** 1987 Apr;48(4):583-5

Carcinogenesis by
N2-[gamma-L(+)-glutamyl]-4-carboxyphenylhydrazine of Agaricus bisporus in mice. Toth B. **Anticancer Res** 1986 Sep-Oct;6(5):917-20

Hydroxychavicol: a new phenolic antimutagen from betel leaf. Amonkar AJ, et al. **Food Chem Toxicol** 1986 Dec; 24(12):1321-4

Effects of dietary Schizandra chinensis, brussels sprouts and Illicium verum extracts on carcinogen metabolism system in mouse liver. Hendrich S, et al. **Food Chem Toxicol** 1986 Sep;24(9):903-12

Bracken fern (Pteridium aquilinum) and some of its constituents.
IARC Monogr Eval Carcinog Risk Chem Hum 1986; 40:47-65

Evaluation of carcinogenicity of infusions from green tea leaves by microsomal degranulation technique. Minocha R, et al. **Indian J Exp Biol** 1986 Apr;24(4):224-8

Tumour-promoting effect of chilli extract in BALB/c mice. Agrawal RC, et al. **Int J Cancer** 1986 Nov 15;38(5):689-95

Pharmacology of lemongrass (Cymbopogon citratus Stapf). III. Assessment of eventual toxic, hypnotic and anxiolytic effects on humans. Leite JR, et al. **J Ethnopharmacol** 1986 Jul;17(1):75-83

Pharmacology of lemongrass (Cymbopogon ci ratus Stapf). II. Effects of daily two month administration in male and female rats and in offspring exposed "in utero". Souza Formigoni ML, et al. **J Ethnopharmacol** 1986 Jul; 17(1):65-74

Short-term toxicity studies of sanguinarine and of two alkaloid extracts of Sanguinaria canadensis L. Becci PJ, et al. **J Toxicol Environ Health** 1987;20(1-2):199-208

Freshly prepared rat hepatocytes used in screening the toxicity of blue-green algal blooms. Berg K, et al.
J Toxicol Environ Health 1987,20(1-2):187-97

Pharmacodynamic and toxicological studies of Kalanchoe integra stem. Varma RK, et al. **Mater Med Pol** 1986 Sep-Dec;18(4):207-10

Recent advances in chemical ecology. Harborne JB.
Nat Prod Rep 1986 Aug;3(4):323-44 (264 ref.)

2-(N-nitroso-N-methylamino)propiophenone, a direct acting bacterial mutagen found in nitrosated Ephedra altissima tea. Tricker AR, et al. **Toxicol Lett** 1987 Sep; 38(1-2):45-50

[Toxicological studies on biological effects of the herbal drug extracts in rats and mice. II. Moutan bark, Glycyrrhiza and Bupleurum root] Tanaka S, et al. **Yakugaku Zasshi** 1986 Aug;106(8):671-86 (Eng. Abstr.) **(Jpn)**

[Characteristics of the action of extracts of pink-stained grain of fusarial and nonfusarial origin on the structure of the organs in growing rat pups] Kuvaeva IB, et al.
Vopr Pitan 1987 May-Jun;(3):58-62 (Eng. Abstr.) **(Rus)**

PLANT GROWTH REGULATORS

[Effect of B9 on the chemical components of Panax ginseng] Zou N. **Chung Yao Tung Pao** 1986 Dec;11(12):8-9 **(Chi)**

ANALYSIS

A quantitative fluorescence enzyme immunoassay for plant cytokinins. Trione EJ, et al. **Anal Biochem** 1987 Apr; 162(1):301-8

BIOSYNTHESIS

Cytokinin production by Agrobacterium and Pseudomonas spp. Akiyoshi DE, et al. **J Bacteriol** 1987 Sep;169(9):4242-8

ISOLATION & PURIFICATION

Separation of enantiomers of fungicidal and plant growth regulatory triazole alcohols using chiral derivatisation and capillary gas chromatography. Burden RS, et al.
J Chromatogr 1987 Mar 27;391(1):273-9

Evaluation of immunosorbents for the analysis of small molecules. Isolation and purification of cytokinins. Davis GC, et al. **J Chromatogr** 1986 Sep 24;366:171-89

PHARMACODYNAMICS

Infrared spectroscopic evidence for a conformational alteration of plant plasma membranes upon exposure to the growth hormone analog, 2,4-dichlorophenoxyacetic acid. Morré DJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):506-12

Auxin-regulated changes in protein phosphorylation in pea epicotyls. Reddy AS, et al.
Biochem Biophys Res Commun 1987 Apr 29;144(2):944-50

Membrane-directed effects of the plant hormones abscisic acid, indole-3-acetic acid and 2,4-dichlorophenoxyacetic acid. Schauf CL, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1085-91

Hormonal and development control of gene expression in castor beans. Northcote DH. **Biochem Soc Trans** 1987 Feb; 15(1):11-2

Unusual patterns of somatic embryogenesis in the domesticated carrot: developmental effects of exogenous auxins and auxin transport inhibitors. Schiavone FM, et al. **Cell Differ** 1987 Jun;21(1):53-62

Effect of gibberellic acid on certain physical and chemical properties of grapefruit. McDonald RE, et al.
J Clin Pharm Ther 1987 Feb;12(1):17-22

Auxin-regulated gene expression. Key JL, et al.
Philos Trans R Soc Lond [Biol] 1986 Nov 17; 314(1166):427-40 (37 ref.)

The structural characterization of endogenous factors from Vinca rosea crown gall tumors that promote cell division of tobacco cells. Lynn DG, et al.
Proc Natl Acad Sci USA 1987 Feb;84(3):615-9

[Induction of fetal thymidine kinase by phyto-estrogens in the immature rat uterus] Touffet S, et al.
C R Soc Biol (Paris) 1987;181(2):122-7 (Eng. Abstr.) **(Fre)**

[Kinetin and the germinating capacity of Lupinus multilupa seeds] Morales C, et al. **Rev Esp Fisiol** 1987 Mar;43(1):87-93 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Comparison of growth, exogenous auxin sensitivity, and endogenous indole-3-acetic acid content in roots of Hordeum vulgare L. and an agravitropic mutant. Tagliani L, et al. **Biochem Genet** 1986 Dec;24(11-12):839-48

In vitro studies of nitrate reductase (NR) in cotton leaves: role of light, carbohydrate and cytokinin in its regulation. Prakash S, et al. **Indian J Biochem Biophys** 1986 Jun; 23(3):143-7

Resource allocation under poor growth conditions. A major role for growth substances in developmental plasticity. Trewavas A. **Symp Soc Exp Biol** 1986;40:31-76 (105 ref.)

TOXICITY

[Use of behavioral studies in hygienic studies of plant growth regulators] Arutiunian SA, et al. **Gig Sanit** 1987 Apr; (4):50-1 **(Rus)**

[Toxicologic characteristics of the new agricultural plant growth regulator terpenol] Talapin VI, et al.
Gig Tr Prof Zabol 1987 Feb;(2):29-31 (Eng. Abstr.) **(Rus)**

PLANT HORMONES see **PLANT GROWTH REGULATORS**

PLANT LICE see **APHIDS**

PLANT OILS

Renewable fuels and materials. Oil from plants. Calvin M.
Cell Biophys 1986 Dec;9(1-2):189-210

Tailing of survivor curves of clostridial spores heated in edible oils. Ababouch L, et al. **J Appl Bacteriol** 1987 Jun; 62(6):503-11

Effect of thermal treatments in oils on bacterial spore survival. Ababouch L, et al. **J Appl Bacteriol** 1987 Jun; 62(6):491-502

Olive oil and coronary heart disease [letter] Keys A.
Lancet 1987 Apr 25;1(8539):983-4

[Replacement of peanut oil used for the fortification of sugar with vitamin A for other vegetable oils available in Central America] Mejía LA, et al. **Arch Latinoam Nutr** 1986 Mar; 36(1):127-34 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Cutaneous application of safflower oil in preventing essential fatty acid deficiency in patients on home parenteral nutrition. Miller DG, et al. **Am J Clin Nutr** 1987 Sep; 46(3):419-23

Lipoprotein changes induced by intravenously administered lipid emulsion leading to arteriosclerotic lesions in the rat. Schrecker O, et al. **Appl Pathol** 1986;4(4):211-8

Hypocholesterolemic activity of unsaponifiable matter of rice bran oil. Sharma RD, et al. **Indian J Med Res** 1987 Mar; 85:278-81

Role of dietary corn oil in the function of hepatic drug and carcinogen metabolizing enzymes of starved-refed rats: response to the mixed function oxidase inducer, 3-methylcholanthrene. Wade AE, et al.
J Environ Pathol Toxicol Oncol 1987 Jan-Feb;7(3):11-9

Effect of amino acid solutions on total nutrient admixture

stability. Barat AC, et al.
JPEN J Parenter Enteral Nutr 1987 Jul–Aug;11(4):384–8
[Use of plant oils to increase the bioavailability of mebendazole (in a model of larval unilocular echinococcosis)] Lur'e AA, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):19–22 **(Rus)**
[Morphologic changes and cytochrome P-450 induction in the liver of the rat after exposure to polychlorinated biphenyls in various diets] Gadzhieva ZM, et al.
Vopr Pitan 1987 Jan–Feb;(1):45–50 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Contact sensitivity to unsaponifiable substances in sesame oil. Kubo Y, et al. **Contact Dermatitis** 1986 Oct;15(4):215–7
Fat and endocrine-responsive cancer in animals. Cohen LA. **Prev Med** 1987 Jul;16(4):468–74

ANALYSIS

Natural occurrence of Alternaria mycotoxins in olives—their production and possible transfer into the oil [published erratum appears in Food Addit Contam 1987 Jan–Mar;4(1):108] Visconti A, et al. **Food Addit Contam** 1986 Oct–Dec;3(4):323–30
Analytical methods for determination of neat and microencapsulated trichloroethylene in dosing vehicles and whole blood. Collins BJ, et al. **J Anal Toxicol** 1986 Nov–Dec;10(6):236–40
Titrimetric determination of iodine–bromine numbers of some edible oils using three N-chloroimides. Jayasree N, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):762–3
Detection of olive oil adulteration with linoleic acid–rich oils by reversed-phase high-performance liquid chromatography. Kapoulas VM, et al. **J Chromatogr** 1986 Sep 24;366:311–20
Qualitative and quantitative analysis of peanut oil triacylglycerols by reversed-phase liquid chromatography. Sempore G, et al. **J Chromatogr** 1986 Sep 24;366:261–82
Detection of vegetable oil adulteration in ice cream. Sheppard AJ, et al. **J Dairy Sci** 1985 May;68(5):1103–8
Presence of tumor promoters in the seed oil of Jatropha curcas L. from Thailand. Horiuchi T, et al.
Jpn J Cancer Res 1987 Mar;78(3):223–6
Determination of polycyclic aromatic hydrocarbons (PAH) in edible vegetable oils by liquid chromatography and programmed fluorescence detection. Comparison of caffeine complexation and XAD-2 chromatography sample clean-up. Welling P, et al. **Z Lebensm Unters Forsch** 1986 Aug;183(2):111–5
[Determination of pulegone in the essential oil of Mentha pulegium L. from Chile] Montes M, et al.
Ann Pharm Fr 1986;44(2):133–6 (Eng. Abstr.) **(Fre)**
[The food value of protein concentrates made from secondary raw oil sources—oil cakes and groats from corn germ, tomato seeds, safflower and flax] Solomko GI, et al.
Vopr Pitan 1987 May–Jun;(3):67–71 (Eng. Abstr.) **(Rus)**
[Peeling of sorghum by a dry method: continuous and discontinuous methods] Gutiérrez RR, et al.
Arch Latinoam Nutr 1986 Sep;36(3):505–21 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

The efficient preparation of corn oil suspensions [letter] Ashby J. **Mutat Res** 1987 Jan;187(1):45
Fat-density oral contrast agent for abdominal CT. Raptopoulos V, et al. **Radiology** 1987 Sep;164(3):653–6
[Postprandial hyperlipemia, circadian rhythm and the stress test in lipid metabolism] Herrmann W, et al.
Z Gesamte Inn Med 1986 Sep 15;41(18):489–93 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Sunflower oil is not allergenic to sunflower seed–sensitive patients. Halsey AB, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):408–10

METABOLISM

Digestibility of cocoa butter and corn oil and their influence on fatty acid distribution in rats. Apgar JL, et al.
J Nutr 1987 Apr;117(4):660–5
Absorption of safflower oil and structured lipid preparations in patients with cystic fibrosis. Hubbard VS, et al.
Lipids 1987 Jun;22(6):424–8
[Nutrient dependence of energy preservation requirements in rats. I. Dependence of energy requirements for preservation in fully-grown rats on the type of nutrient offered as the sole energy source] Hoffmann L, et al.
Arch Tierernahr 1986 Nov;36(11):981–93 (Eng. Abstr.) **(Ger)**
[Physico-chemical changes in olive oil used in repeated frying and its impact on blood lipoproteins in rats] Cuesta C, et al. **Rev Esp Fisiol** 1987 Mar;43(1):51–6 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Controlled evaluation of fat intake in the Mediterranean diet: comparative activities of olive oil and corn oil on plasma lipids and platelets in high-risk patients. Sirtori CR, et al.
Am J Clin Nutr 1986 Nov;44(5):635–42
Endogenous cholecystokinin drives gallbladder emptying in dogs. Shiratori K, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G553–8
Effect of soya bean oil on symptoms, gastric emptying and gut hormone release in patients with postvagotomy symptoms. Lawaetz O, et al. **Ann Chir Gynaecol** 1986; 75(6):308–13
Comparative changes in the fatty-acid composition of rat cardiac phospholipids after long-term feeding of sunflower seed oil- or tuna fish oil-supplemented diets. Charnock JS, et al. **Ann Nutr Metab** 1986;30(6):393–406
Induction of serum lipid peroxidation in chickens. Smith TL, et al. **Artery** 1986;14(1):30–4
Fish oil increases peripheral capillary blood cell velocity in humans. Bruckner G, et al. **Atherosclerosis** 1987 Aug; 66(3):237–45
The effect of thermally oxidized soya bean oil on metabolism of chylomicrons. Increased uptake and degradation of oxidized chylomicrons in cultured mouse macrophages. Naruszewicz M, et al. **Atherosclerosis** 1987 Jul; 66(1–2):45–53
Plasma lipoprotein cholesterol and triglycerides and lipoprotein lipase activity in epididymal white adipose tissue of rats fed high sucrose or high corn oil diets. Deshaies Y. **Can J Physiol Pharmacol** 1986 Jul;64(7):885–91
Effects of garlic and onion oils on glutathione peroxidase activity, the ratio of reduced/oxidized glutathione and ornithine decarboxylase induction in isolated mouse epidermal cells treated with tumor promoters. Perchellet JP, et al. **Cancer Biochem Biophys** 1986 Oct;8(4):299–312
Intestinal responses in the male rat to gavaged corn oil. Anderson RL. **Cancer Lett** 1987 Jul;36(1):55–63
Effect of dietary fat saturation on plasma lipoproteins and high density lipoprotein metabolism of the rhesus monkey. Chong KS, et al. **J Clin Invest** 1987 Mar;79(3):675–83
Fungitoxicity of some higher plants and synergistic activity of their essential oils. Dubey NK, et al.
J Clin Pharm Ther 1987 Feb;12(1):23–7
Slow recovery of the fatty acid composition of sciatic nerve in rats fed a diet initially low in n-3 fatty acids. Bourre JM, et al. **Lipids** 1987 Jul;22(7):535–8
Comparative study of the blood pressure effects of four different vegetable fats on young, spontaneously hypertensive rats. Hoffmann P, et al. **Lipids** 1986 Dec; 21(12):733–7
Rice bran oil and hypocholesterolemia in rats. Sharma RD, et al. **Lipids** 1986 Nov;21(11):715–7
Effects of lemongrass oil on the morphological characteristics and peptidoglycan synthesis of Escherichia coli cells. Ogunlana EO, et al. **Microbios** 1987;50(202):43–59
New findings on palm oil. **Nutr Rev** 1987 Jul;45(7):205–7 (24 ref.)
In vitro activation and resultant binding of benzo[a]pyrene to DNA by microsomes from rats fed corn and menhaden oils. Dharwadkar SM, et al. **Pharmacology** 1986;33(4):190–8
Effects of the addition of vegetable oil or animal tallow to broiler diets containing cassava root meal. Gomez G, et al. **Poult Sci** 1987 Apr;66(4):725–31
The effect of graded levels of corn oil and different fats on the performance of white pekin ducklings. Storey ML, et al. **Poult Sci** 1986 Aug;65(8):1571–80
[Effects of clofibrate, silybin, safflower oil and lamindran on liver peroxisome proliferation and enzyme activities in rats] Wu SG, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):283–4 (Eng. Abstr.) **(Chi)**
[Effect of Salvia sclarea essential oil on indices of the hematopoietic, immune and enzyme systems] Tkachuk VG, et al. **Vrach Delo** 1987 May;(5):83–4 (Eng. Abstr.) **(Rus)**
[Effect of dietary olive oil on plasma high density lipoproteins] Ascaso JF, et al. **Rev Clin Esp** 1987 May; 180(9):486–8 (Eng. Abstr.) **(Spa)**

POISONING

The association of oil ingestion with toxic oil syndrome in two convents. Diaz de Rojas F, et al. **Am J Epidemiol** 1987 May;125(5):907–11
Inhibition of Hill reaction produced by fatty acid anilides. Sanz P, et al. **Bull Environ Contam Toxicol** 1987 Apr; 38(4):602–9
Contact allergy to avocado oil in a sunscreen. de Groot AC, et al. **Contact Dermatitis** 1987 Feb;16(2):108–9
Toxic-oil syndrome: case reports associated with the ITH oil refinery in Sevilla. Posada M, et al.
Food Chem Toxicol 1987 Jan;25(1):87–90
Clinico-biochemical evolution and late hepatic lesions in the toxic oil syndrome. Solis-Herruzo JA, et al.
Gastroenterology 1987 Sep;93(3):558–68
Oil ingestion and the toxic-oil syndrome: results of a survey of residents of the Orcasur neighbourhood in Madrid, Spain. Cañas R, et al. **Int J Epidemiol** 1987 Mar;16(1):3–6
Cutaneous mucinosis in the toxic oil syndrome [letter] Fonseca E, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):139–40
PCB and PCQ concentrations in subcutaneous tissue from patients with PCB poisoning (Yusho). Ohgami T, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):25–8
[Toxic oil syndrome. Etiology, hypotheses and mechanisms] Craan AG, et al. **Union Med Can** 1987 Jan;116(1):32–6, 39 (Eng. Abstr.) **(Fre)**
[Dyspnea in patients with toxic oil syndrome. Origin psychosomatic or secondary to a pulmonary functional change? (letter)] Diaz de Atauri MJ, et al.
Med Clin (Barc) 1986 Oct 18;87(12):523 **(Spa)**
[Prevalence of metabolic changes in patients with the toxic oil ingestion syndrome (letter)] Ramis Pedromingo M, et al. **Rev Clin Esp** 1986 Jul;179(3):160–1 **(Spa)**

THERAPEUTIC USE

Peanut oil reduces diet-induced atherosclerosis in cynomolgus monkeys. Alderson LM, et al.
Arteriosclerosis 1986 Sep–Oct;6(5):465–74
Antiasthmatic effects of onions. Inhibition of platelet-activating factor–induced bronchial obstruction by onion oils. Dorsch W, et al.
Int Arch Allergy Appl Immunol 1987;82(3–4):535–6
Anticonvulsant activity of the volatile oil from the fruit of Tetrapleura tetraptera. Nwaiwu JI, et al.
J Ethnopharmacol 1986 Nov;18(2):103–7
Chemoprophylactic agent in schistosomiasis: 14,15-epoxygeranylgeraniol. Mors WB, et al. **Science** 1967 Aug 25;157(3791):950–1
Spontaneous passage of gallstones after ingestion of olive oil: a case report. Koh D. **Singapore Med J** 1986 Dec; 27(6):533–6
[Preventive effect of rubber-seed oil on atherosclerosis in the rhesus monkey] Liu CR.
Chung Hua I Hsueh Tsa Chih 1986 Sep;66(9):538–42, 576 (Eng. Abstr.) **(Chi)**
[Effect of sea buckthorn oil on various pathophysiologic mechanisms and the course of peptic ulcer] Tsimmerman IaS, et al. **Klin Med (Mosk)** 1987 Feb;65(2):77–82 (Eng. Abstr.) **(Rus)**
[Effect of Hippophae rhamnoides oil on the lipid concentration of serum, T-, B- and O-lymphocytes in acute pneumonia in young children] Khamraev AKh, et al. **Pediatriia** 1986 Sep;(9):75 **(Rus)**
[Volatile fractions of essential oil-based phytoncides as a component of therapeutic-rehabilitative complexes in chronic bronchitis] Eremenko AE, et al. **Ter Arkh** 1987; 59(3):126–30 (Eng. Abstr.) **(Rus)**
[Hypocholesterolemic action of oils from the seeds of new selection varieties of winter rape and winter cress in trials on rats] Garbuzov AG, et al. **Vopr Pitan** 1986 Jul–Aug; (4):46–8 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the hypolipidemic action of sunflower oil and "Zdorov'e" margarine incorporated into the anti-atherosclerotic diet of ischemic heart disease patients] Meshcheriakova VA, et al. **Vopr Pitan** 1987 Jan–Feb;(1):10–3 (Eng. Abstr.) **(Rus)**
[Experimental effect of the quality of various diets on blood vessel walls] Pozdniakov AL, et al. **Vopr Pitan** 1987 Jan–Feb;(1):34–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Mouse skin tumor promoting activity of orange peel oil and d-limonene: a re-evaluation. Elegbede JA, et al.
Carcinogenesis 1986 Dec;7(12):2047–9
Enhancement of the hepatotoxicity of chloroform in B6C3F1 mice by corn oil: implications for chloroform carcinogenesis. Bull RJ, et al. **Environ Health Perspect** 1986 Nov;69:49–58
Effects of corn oil and benzyl acetate on number and size of azaserine-induced foci in the pancreas of LEW and F344 rats. Longnecker DS, et al. **Environ Health Perspect** 1986 Sep;68:197–201
Effect of a vegetable oil factory effluent on in vitro lipid and protein synthesis by the liver of the freshwater teleost Heteropneustes fossilis (Bloch). Kondal JK, et al.
Environ Res 1987 Jun;43(1):13–8
Effect of gavage vehicle on hepatotoxicity of carbon tetrachloride in CD-1 mice: corn oil versus Tween-60 aqueous emulsion. Condie LW, et al.
Fundam Appl Toxicol 1986 Aug;7(2):199–206
Lymphocyte activation, cell-mediated cytotoxicity and their relationship to dietary fat-enhanced mammary tumorigenesis in C3H/OUJ mice. Olson LM, et al.
J Nutr 1987 May;117(5):955–63
Biological observations from feeding heated corn oil and heated peanut oil to rats. Alexander JC, et al.
J Toxicol Environ Health 1987;21(3):295–309
Lymphatics in the aorta of rats treated with a soy-bean oil extract (lipofundin). Takacs E, et al. **Lymphology** 1986 Dec; 19(4):161–7
Inhibition of glucose-6-phosphatase and adenosine-triphosphatase activity in rats treated with toxic Spanish rapeseed oil or synthetic anilides. Sanz P, et al.
Vet Hum Toxicol 1986 Oct;28(5):409–11
[Toxicological effects induced by the chronic intake of brominated vegetable oils] Bernal C, et al.
Arch Latinoam Nutr 1986 Sep;36(3):432–42 (Eng. Abstr.) **(Spa)**

PLANT POISONING

Assessing mistletoe toxicity. Hall AH, et al.
Ann Emerg Med 1986 Nov;15(11):1320–3
Herbal poisoning: a case report of a fatal yellow oleander poisoning from the Solomon Islands. Brewster D.
Ann Trop Paediatr 1986 Dec;6(4):289–91
The presumed neurotoxic effects of Catha edulis—an exotic plant now available in the United Kingdom. Roper JP.
Br J Ophthalmol 1986 Oct;70(10):779–81
Herbal toxicity in Zimbabwe. Nyazema NZ.
Trans R Soc Trop Med Hyg 1986;80(3):448–50
[Oleander poisoning] Duraković Z, et al.

Arh Hig Rada Toksikol 1985 Dec;36(4):387–93 (Eng. Abstr.) **(Scr)**

[Poisoning by hashish ingestion in children (letter)] Hervás JA, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):563 **(Spa)**

COMPLICATIONS

[Pseudomembranous colitis caused by the ingestion of colocynth] Berrut C, et al. **Schweiz Med Wochenschr** 1987 Jan 24;117(4):135–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Plant poisons. Wijesundere A. **Ceylon Med J** 1986 Jun; 31(2):89–91

ETIOLOGY

L-Carnitine [letter] Alto W. **Am Fam Physician** 1987 Aug; 36(2):52–3

Toxicity of medicinal herbal preparations. Saxe TG. **Am Fam Physician** 1987 May;35(5):135–42

Toxicity of Iceland lichen and reindeer lichen. Airaksinen MM, et al. **Arch Toxicol [Suppl]** 1986;9:406–9

Molecular aspects of allergic contact dermatitis to plants. Recent progress in phytodermatochemistry. Benezra C, et al. **Derm Beruf Umwelt** 1987 Jan–Feb;35(1):4–11

Studies on the toxicity of Tacazzea yotocalla on Ethiopian Rift valley goats. Mekonnen Y, et al. **Rev Elev Med Vet Pays Trop** 1986;39(2):221–6

Spectrophotometric and chromatographic detection of Karwinskia humboldtiana (tullidora) toxin in rat serum after tullidora ingestion. Flores-Otero G, et al. **Toxicon** 1987; 25(4):419–26

The induction of equine laminitis with an aqueous extract of the heartwood of black walnut (Juglans nigra). Minnick PD, et al. **Vet Hum Toxicol** 1987 Jun;29(3):230–3

Toxicity of Cyclamen persium (Mill). Spoerke DG, et al. **Vet Hum Toxicol** 1987 Jun;29(3):250–1

[Toxic-allergic dermatitis caused by Inula] Shatoian IuS, et al. **Vrach Delo** 1987 Jul;(7):85 **(Rus)**

OCCURRENCE

Deaths following ingestion of a cardiotoxic plant in Kampuchean children in Thailand. Echeverria P, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):601–3

A retrospective review of plant exposures as reported to the Hennepin Regional Poison Center in 1985. Borys DJ, et al. **Vet Hum Toxicol** 1987 Feb;29(1):83–5

PATHOLOGY

Histopathogenesis of intestinal tumors induced by oral administration of bracken fern, Pteridium aquilinum in rats. Oyamada T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):687–96

PHYSIOPATHOLOGY

Experimental intoxication with fruit and purified toxins of buckthorn (Karwinskia humboldtiana). Bermudez MV, et al. **Toxicon** 1936;24(11–12):1091–7

VETERINARY

Ultrasonographic imaging to monitor fetal and placental developments in ewes fed locoweed (Astragalus lentiginosus). Panter KE, et al. **Am J Vet Res** 1987 Apr; 48(4):686–90

Experimentally induced Cassia roemeriana poisoning in cattle and goats. Rowe LD, et al. **Am J Vet Res** 1987 Jun; 48(6):992–7

Delayed development of clinical signs in sheep affected by Phalaris aquatica staggers. Bourke CA, et al. **Aust Vet J** 1987 Jan;64(1):31–2

Crystal-associated cholangiohepatopathy and photosensitisation in lambs. Button C, et al. **Aust Vet J** 1987 Jun;64(6):176–80

The nephrotoxicity of Isotropis forrestii in sheep. Cooper TB, et al. **Aust Vet J** 1986 Jun;63(6):178–82

Does Solanum esuriale cause humpyback in sheep? Dunster PJ, et al. **Aust Vet J** 1987 Apr;64(4):119–20

Cycad (zamia) poisoning in Australia. Hall WT. **Aust Vet J** 1987 May;64(5):149–51

Neurological disease and lipofuscinosis in horses and sheep grazing Trachyandra divaricata (branched onion weed) in south Western Australia. Huxtable CR, et al. **Aust Vet J** 1987 Apr;64(4):105–8

Blue heliotrope (Heliotropium amplexicaule) poisoning in cattle. Ketterer PJ, et al. **Aust Vet J** 1987 Apr;64(4):115–7

Hearts and flowers: Bryophyllum poisoning of cattle. McKenzie RA, et al. **Aust Vet J** 1986 Jul;63(7):222–7

Current ideas on the pathophysiology and treatment of lantana poisoning of ruminants. Pass MA. **Aust Vet J** 1986 Jun;63(6):169–71 (30 ref.)

Suspected poisoning of sheep by Anagallis arvensis (scarlet pimpernel). Rothwell JT, et al. **Aust Vet J** 1986 Sep; 63(9):316

Pyrrolizidine alkaloid poisoning of sheep in New South Wales. Seaman JT. **Aust Vet J** 1987 Jun;64(6):164–7

Pimelea neo-anglica poisoning of cattle. Storie GJ, et al. **Aust Vet J** 1986 Jul;63(7):235

Bracken poisoning in sheep. Sunderman FM. **Aust Vet J** 1987 Jan;64(1):25–6

Conium maculatum (poison hemlock) toxicosis in a flock of range turkeys. Frank AA, et al. **Avian Dis** 1987 Apr–Jun; 31(2):386–8

Cassia occidentalis toxicosis in growing pigs. Colvin BM, et al. **J Am Vet Med Assoc** 1986 Aug 15;189(4):423–6

Locoweed (Oxytropis sericea) poisoning and congestive heart failure in cattle. James LF, et al. **J Am Vet Med Assoc** 1986 Dec 15;189(12):1549–56

Cocklebur poisoning in cattle. Martin T, et al. **J Am Vet Med Assoc** 1986 Sep 1;189(5):562–3

The efficacy of acetamide for the treatment of experimental Dichapetalum cymosum (gifblaar) poisoning in sheep. Egyed MN, et al. **Onderstepoort J Vet Res** 1986 Dec; 53(4):231–4

Ovine hepatogenous photosensitivity caused by the plant Nidorella foetida (Thunb.) DC. (Asteraceae). Schneider DJ, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):53–7

The development of an ELISA-assay for semi-quantitative detection of dihydrogriesenin, a sesquiterpene lactone from Geigeria. Verschoor JA, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):1–4

Effects of Cissus quadrangularis on goats and sheep in Sudan. Barakat SE, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(2):185–94

Determination of total phenolics in acorns from different species of oak trees in conjunction with acorn poisoning in cattle. Basden KW, et al. **Vet Hum Toxicol** 1987 Aug; 29(4):305–6

The effects of Ipomoea carnea on goats and sheep. Damir HA, et al. **Vet Hum Toxicol** 1937 Aug;29(4):316–9

The combined toxicity of Aristolochia bracteata and Cadaba rotundifolia to goats. el Dirdiri NI, et al. **Vet Hum Toxicol** 1987 Apr;29(2):133–7

Intoxication of cattle by Perilla frutescens (purple mint). Kerr LA, et al. **Vet Hum Toxicol** 1986 Oct;28(5):412–6

Death camas poisoning in sheep: a case report. Panter KE, et al. **Vet Hum Toxicol** 1987 Feb;29(1):45–8

Fanweed toxicosis in cattle: case history, analytical method, suggested treatment, and fanweed detoxification. Smith RA, et al. **Vet Hum Toxicol** 1987 Apr;29(2):155–6

Cicuta toxicosis in cattle: case history and simplified analytical method. Smith RA, et al. **Vet Hum Toxicol** 1987 Jun;29(3):240–1

Grass disease of horses and game preservation [letter] Brownlee A. **Vet Rec** 1968 Aug 31;83(9):229–30

Suspected foxglove poisoning [letter] Carmichael MA. **Vet Rec** 1987 Apr 11;120(15):375

Liver biopsy in ragwort poisoning [letter] Monaghan ML, et al. **Vet Rec** 1987 Apr 11;120(15):374

Suspected privet poisoning [letter] Parkinson SC. **Vet Rec** 1986 Nov 8;119(19):483–4

Suspected foxglove (Digitalis purpurea) poisoning in a dairy cow. Thomas DL, et al. **Vet Rec** 1987 Mar 28;120(13):300–1

Doped dobermann [letter] Welshman MD. **Vet Rec** 1986 Nov 15;119(20):512

White bryony poisoning in a dog [letter] Whur P. **Vet Rec** 1986 Oct 18;119(16):411

[Alder buckthorn poisoning in horses] van den Dikkenberg MI, et al. **Tijdschr Diergeneeskd** 1987 Mar 15;112(6):340–1 (Eng. Abstr.) **(Dut)**

[Fescue toxicosis (fescue grass poisoning)--an important poisoning of cattle in South America] Renner JE. **DTW** 1987 May 7;94(5):281–2 (Eng. Abstr.) **(Ger)**

PLANT PROTEINS

Photostability studies of phycobiliprotein fluorescent labels. White JC, et al. **Anal Biochem** 1987 Mar;161(2):442–52

Use of a monoclonal antibody in structural investigations of the 49-kDa polypeptide of photosystem II. Bricker TM, et al. **Arch Biochem Biophys** 1987 Jul;256(1):295–301

Preparation and spectroscopic studies of cobalt(II)-substituted cucumber basic blue protein "plantacyanin".Sakurai T. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):961–6

Complete amino acid sequence of cyanobacterial gas-vesicle protein indicates a 70-residue molecule that corresponds in size to the crystallographic unit cell. Hayes PK, et al. **Biochem J** 1986 May 15;236(1):31–6

Bryodin, a ribosome-inactivating protein from the roots of Bryonia dioica L. (white bryony). Stirpe F, et al. **Biochem J** 1986 Dec 15;240(3):659–65

Proton magnetic resonance characterization of phoratoxins and homologous proteins related to crambin. Lecomte JT, et al. **Biochemistry** 1987 Feb 24;26(4):1187–94

The amino-acid sequence of the 2S sulphur-rich proteins from seeds of Brazil nut (Bertholletia excelsa H.B.K.). Ampe C, et al. **Eur J Biochem** 1986 Sep 15;159(3):597–604

The tetranuclear manganese complex of Photosystem II. Bruaivig GW. **J Bioenerg Biomembr** 1987 Apr;19(2):91–104 (75 ref.)

Electron transfer in the water-oxidizing complex of Photosystem II. Dekker JP, et al. **J Bioenerg Biomembr** 1987 Apr;19(2):125–42 (98 ref.)

Structure of the rapeseed 1.7 S storage protein, napin, and its precursor. Ericson ML, et al. **J Biol Chem** 1986 Nov 5;261(31):14576–81

Asymmetrical core structure in phycobilisomes of the cyanobacterium Synechocystis 6701. Anderson LK, et al. **J Mol Biol** 1986 Oct 5;191(3):441–51

Nuclear magnetic resonance study of the solution structure of alpha 1-purothionin. Sequential resonance assignment, secondary structure and low resolution tertiary structure. Clore GM, et al. **J Mol Biol** 1987 Feb 5;193(3):571–8

Application of molecular dynamics with interproton distance restraints to three-dimensional protein structure determination. A model study of crambin. Clore GM, et al. **J Mol Biol** 1986 Oct 5;191(3):523–51

Crystal structure analyses of reduced (CuI) poplar plastocyanin at six pH values. Guss JM, et al. **J Mol Biol** 1986 Nov 20;192(2):361–87

Crystallographic study of endogenous alpha-amylase inhibitor from wheat. Maeda K, et al. **J Mol Biol** 1987 Feb 20;193(4):825–6

Crystal structure of the intensely sweet protein monellin. Ogata C, et al. **Nature** 1987 Aug 20–26;328(6132):739–42

Comparison of the protein conformations between different forms (Pr and Pfr) of native (124 kDa) and degraded (118/114 kDa) phytochromes from Avena sativa. Vierstra RD, et al. **Photochem Photobiol** 1987 Mar;45(3):429–32

Antenna size dependence of fluorescence decay in the core antenna of photosystem I: estimates of charge separation and energy transfer rates. Owens TG, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1532–6

ADMINISTRATION & DOSAGE

The antileukemic efficacy of an immunotoxin composed of a monoclonal anti-Thy-1 antibody disulfide linked to the ribosome-inactivating protein gelonin. Scott CF Jr, et al. **Cancer Immunol Immunother** 1987;25(1):31–40

[Oligosymptomatic celiac disease--axis correction of extreme genu valgum with a gliadin-free diet] Teufel M, et al. **Klin Padiatr** 1987 Jan–Feb;199(1):58–61 (Eng. Abstr.) **(Ger)**

[Hygienic aspects of the possibility of using tobacco as a source of dietary protein] Mamaeva EM, et al. **Vopr Pitan** 1986 Nov–Dec;(6):13–8 (49 ref.) **(Rus)**

[Evaluation of the effect of enriching rice protein with lysine and egg protein] Nam OI, et al. **Vopr Pitan** 1987 Mar–Apr; (2):60–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Enrichment of a 50-kilodalton polypeptide in a photosystem II-phycobilisome particle from Porphyridium cruentum. Chereskin BM, et al. **Arch Biochem Biophys** 1986 Nov 1; 250(2):286–93

Subparticles of Anabaena phycobilisomes. II. Molecular assembly of allophycocyanin cores in reference to "anchor" protein. Isono T, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):317–24

Histone variants and acetylated species from the alfalfa plant Medicago sativa. Waterborg JH, et al. **Arch Biochem Biophys** 1987 Jul;256(1):167–78

Amino acid composition of some Amaranthus sp. grain proteins and of its fractions. Correa AD, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):466–76

Allophycocyanin complexes of the phycobilisome from Mastigocladus laminosus. Influence of the linker polypeptide L8.9C on the spectral properties of the phycobiliprotein subunits. Füglistaller P, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):353–67

Biochemical and immunological characterization of rice albumin. Mawal YR, et al. **Biosci Rep** 1987 Jan;7(1):1–9

Detection of wheat gliadin contamination of gluten-free foods by a monoclonal antibody dot immunobinding assay. Freedman AR, et al. **Clin Chim Acta** 1987 Jul 15; 166(2-3):323–8

Differential detergent-solubilization of integral thylakoid membrane complexes in spinach chloroplasts. Localization of photosystem II, cytochrome b6-f complex and photosystem I. Morrissey PJ, et al. **Eur J Biochem** 1986 Oct 15;160(2):389–93

Polypeptides belonging to each of the three major chlorophyll a + b protein complexes are present in a chlorophyll-b-less barley mutant. White MJ, et al. **Eur J Biochem** 1987 Jun 15;165(3):531–5

Identification of a chloroplast-encoded 9-kDa polypeptide as a 2[4Fe-4S] protein carrying centers A and B of photosystem I. Høj PB, et al. **J Biol Chem** 1987 Sep 15; 262(26):12676–84

The 110-kDa reaction center protein of photosystem I, P700-chlorophyll a-protein 1, is an iron-sulfur protein. Høj PB, et al. **J Biol Chem** 1986 Oct 25;261(30):14292–300

Immunological evidence for gap junction polypeptide in plant cells. Meiners S, et al. **J Biol Chem** 1987 Jan 25; 262(3):951–3

The major protein from lipid bodies of maize. Characterization and structure based on cDNA cloning. Vance VB, et al. **J Biol Chem** 1987 Aug 15;262(23):11275–9

Monoclonal antibody ELISA to quantitate wheat gliadin contamination of gluten-free foods. Freedman AR, et al. **J Immunol Methods** 1987 Apr 2;98(1):123–7

Immuno slot-blot assay using a membrane which covalently binds protein. Marlow SJ, et al. **J Immunol Methods** 1987 Jul 16;101(1):133–9

Application of polyelectrolytes to fractionation of alfalfa juice protein (short communication). Baraniak B, et al. **Nahrung** 1987;31(4):341–3

On the acceptability of the two-state model of protein unfolding to the 11 S globulins from plant seeds. Schwenke KD, et al. **Nahrung** 1987;31(2):183–4

Partial chemical characterization of alpha- and beta-momorcharins. Yeung HW, et al. **Planta Med** 1987

Apr;53(2):164–6
[Active protein constituents from the kernel of Prunus persica] Fang XD. **Chung Yao Tung Pao** 1986 Nov; 11(11):37–9 **(Chi)**
[Identification of Celosia argentea seed and its adulterates by polyacrylamide gel electrophoresis] Song GY. **Chung Yao Tung Pao** 1986 Jun;11(6):22–3 **(Chi)**
[Electrophoretic determination of gliadins in cooked food products] Jacqmain D, et al. **Acta Gastroenterol Belg** 1986 Jul–Aug;49(4):409–14 (Eng. Abstr.) **(Fre)**
[The quality of protein-enriched products from sunflower seeds. I. The effect of various production processes on the nutritive value of meals and protein isolates] Brückner J, et al. **Nahrung** 1986;30(7):693–9 (Eng. Abstr.) **(Ger)**
[Comparative study of partial amino acid sequences of prolamins and glutelins from various cereals. VII. Amino acid sequences of prolamin peptides] Wieser H, et al. **Z Lebensm Unters Forsch** 1987 May;184(5):366–73 (Eng. Abstr.) **(Ger)**
[The proteins and vitamins in different millings of wheat bran] Golenkov VF, et al. **Vopr Pitan** 1986 Jul–Aug;(4):68–71 **(Rus)**
[Composition and nutritive value of the Pajimaca sweet corn and Pajimaca Opaque-2, grown in Venezuela] Chávez JF, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):312–8 (Eng. Abstr.) **(Spa)**
[Peeling of sorghum by a dry method: continuous and discontinuous methods] Gutiérrez RR, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):505–21 (Eng. Abstr.) **(Spa)**
[Protein concentrate of African oil palm (Elaesis guineensis, Jacquin), extraction process and functional properties] Pacheco de Delahaye E. **Arch Latinoam Nutr** 1985 Sep; 35(3):509–17 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

The two binding sites for DCMU in Photosystem II. Hsu BD, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):682–8
Electron-spin resonance studies of the bound iron–sulfur centers in Photosystem I. II. Correlation of P-700 triplet production with urea/ferricyanide inactivation of the iron–sulfur clusters. Warden JT, et al. **Biochim Biophys Acta** 1987 May 6;891(3):286–92
On the mechanism of linolenic acid inhibition in Photosystem II. Warden JT, et al. **Biochim Biophys Acta** 1987 Feb 11; 890(2):215–23

BIOSYNTHESIS

Golgi-specific localization of transglycosylases engaged in glycoprotein biosynthesis in suspension-cultured cells of sycamore (Acer pseudoplatanus L.). Ali MS, et al. **Arch Biochem Biophys** 1986 Dec;251(2):421–31
Photosystem I reaction center polypeptides of spinach are synthesized on thylakoid-bound ribosomes. Margulies MM, et al. **Arch Biochem Biophys** 1987 May 1;254(2):454–61
Processing of a plant vacuolar protein precursor in vitro. Hattori T, et al. **Eur J Biochem** 1987 Aug 3;166(3):533–8
Properties, biosynthesis and processing of a sulfur-rich protein in Brazil nut (Bertholletia excelsa H.B.K.). Sun SS, et al. **Eur J Biochem** 1987 Feb 2;162(3):477–83
Autoradiographic, ultrastructural and interferometric analyses of the temperature effect on the synthesis and migration of ribosomes in root meristem cells of Helianthus annuus L. relation to S phase initiation. Olszewska MJ, et al. **Folia Histochem Cytobiol** 1987;25(1):69–77
Expression of a wheat alpha-amylase gene in Escherichia coli: recognition of the translational initiation site and the signal peptide [published erratum appears in Gene 1987;49(3):399] Gatenby AA, et al. **Gene** 1986;45(1):11–8
Control of gene expression during higher plant chloroplast biogenesis. Protein synthesis and transcript levels of psbA, psaA–psaB, and rbcL in dark-grown and illuminated barley seedlings. Klein RR, et al. **J Biol Chem** 1987 Mar 25; 262(9):4341–8
Biogenesis of photosystem II complexes: transcriptional, translational, and posttranslational regulation. Jensen KH, et al. **J Cell Biol** 1986 Oct;103(4):1315–25
Regulated synthesis of phycobilisome components. Grossman AR, et al. **Photochem Photobiol** 1986 Dec;44(6):827–37 (116 ref.)
Genetic and biochemical control of grain protein synthesis in normal and high lysine cereals. Mertz ET. **World Rev Nutr Diet** 1986;48:222–62 (36 ref.)

BLOOD

Specific high-affinity binding sites for a synthetic gliadin heptapeptide on human peripheral blood lymphocytes. Payan DG, et al. **Life Sci** 1987 Mar 23;40(12):1229–36

GENETICS

Identification of polypeptides of photosystem I reaction center as the products of chloroplast genes PS1A1 and PS1A2. Margulies MM, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):281–7
Chromosomal location of genes coding for endosperm proteins of Hordeum chilense, determined by two-dimensional electrophoresis of wheat–H. chilense chromosome addition lines. Payne PI, et al. **Biochem Genet** 1987 Feb;25(1–2):53–65
Characterization of developmentally and environmentally regulated genes in potato. Willmitzer L. **Biochem Soc Trans** 1987 Feb;15(1):12–4
Evidence in favor of the symbiotic origin of chloroplasts: primary structure and evolution of tobacco glyceraldehyde-3-phosphate dehydrogenases. Shih MC, et al. **Cell** 1986 Oct 10;47(1):73–80
Coordinate accumulation of homeologous transcripts of seven cotton Lea gene families during embryogenesis and germination. Galau GA, et al. **Dev Biol** 1987 Sep; 123(1):213–21
Accumulation kinetics of cotton late embryogenesis-abundant mRNAs and storage protein mRNAs: coordinate regulation during embryogenesis and the role of abscisic acid. Galau GA, et al. **Dev Biol** 1987 Sep;123(1):198–212
Expression of a family of psbA genes encoding a photosystem II polypeptide in the cyanobacterium Anacystis nidulans R2. Golden SS, et al. **EMBO J** 1986 Nov;5(11):2789–98
Expression of the nuclear encoded OEE1 protein is required for oxygen evolution and stability of photosystem II particles in Chlamydomonas reinhardtii. Mayfield SP, et al. **EMBO J** 1987 Feb;6(2):313–8
Excision of Ds produces waxy proteins with a range of enzymatic activities. Wessler SR, et al. **EMBO J** 1986 Oct; 5(10):2427–32
Molecular cloning of a pea H1 histone cDNA. Gantt JS, et al. **Eur J Biochem** 1987 Jul 1;166(1):119–25
The light-dependent accumulation of the P700 chlorophyll a protein of the photosystem I reaction center in barley. Evidence for translational control. Kreuz K, et al. **Eur J Biochem** 1986 Sep 15;159(3):459–67
Nucleotide sequence of barley chymotrypsin inhibitor-2 (CI-2) and its expression in normal and high-lysine barley. Williamson MS, et al. **Eur J Biochem** 1987 May 15; 165(1):99–106
A developmentally regulated gvpABC operon is involved in the formation of gas vesicles in the cyanobacterium Calothrix 7601. Damerval T, et al. **Gene** 1987;54(1):83–92
Multiple variability in the sequence of a family of maize endosperm proteins. Prat S, et al. **Gene** 1987;52(1):41–9
Analyses of alpha/beta-type gliadin genes from diploid and hexaploid wheats. Reeves CD, et al. **Gene** 1987; 52(2–3):257–66
Nucleotide and amino acid sequence of a Cucurbita phytochrome cDNA clone: identification of conserved features by comparison with Avena phytochrome. Sharrock RA, et al. **Gene** 1986;47(2–3):287–95
Use of an in vitro tuberization system to study tuber protein gene expression. Bourque JE, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):381–6
Mapping of isozyme and protein loci in barley. Nielsen G, et al. **Isozymes Curr Top Biol Med Res** 1987;15:77–95 (60 ref.)
Isolation and characterization of light-regulated phycobilisome linker polypeptide genes and their transcription as a polycistronic mRNA. Lomax TL, et al. **J Bacteriol** 1987 Jun;169(6):2675–84
Characterization and sequence analysis of a developmentally regulated putative cell wall protein gene isolated from soybean. Hong JC, et al. **J Biol Chem** 1987 Jun 15; 262(17):8367–76
Structure of a gene encoding the 1.7 S storage protein, napin, from Brassica napus. Josefsson LG, et al. **J Biol Chem** 1987 Sep 5;262(25):12196–201
Nucleotide sequence of a member of the napin storage protein family from Brassica napus. Scofield SR, et al. **J Biol Chem** 1987 Sep 5;262(25):12202–8
Regulation of genes encoding the large subunit of ribulose-1,5-bisphosphate carboxylase and the photosystem II polypeptides D-1 and D-2 during the cell cycle of Chlamydomonas reinhardtii. Herrin DL, et al. **J Cell Biol** 1986 Nov;103(5):1837–45
Organization and nucleotide sequence of genes encoding core components of the phycobilisomes from Synechococcus 6301. Houmard J, et al. **MGG** 1986 Dec;205(3):404–10
Transcriptional activation of plant defense genes by fungal elicitor, wounding, and infection. Lawton MA, et al. **Mol Cell Biol** 1987 Jan;7(1):335–41
Regulation by copper of the expression of plastocyanin and cytochrome c552 in Chlamydomonas reinhardi. Merchant S, et al. **Mol Cell Biol** 1986 Feb;6(2):462–9
Sequence of the chloroplast-encoded psbA gene for the QB polypeptide of petunia [published erratum appears in Nucleic Acids Res 1987 Jan 26;15(2):869] Aldrich J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9536
Sequence of the chloroplast-encoded psbA gene for the QB polypeptide of alfalfa [published erratum appears in Nucleic Acids Res 1987 Jan 26;15(2):869] Aldrich J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9537
Nucleotide sequence of a protein coding region in Chlamydomonas reinhardtii mitochondrial DNA. Boer PH, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7506–7
Nucleotide sequence of the wheat mitochondrial gene for subunit I of cytochrome oxidase. Bonen L, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6734
Nodulin-26, a peribacteroid membrane nodulin is expressed independently of the development of the peribacteroid compartment. Fortin MG, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):813–24
A tomato cDNA encoding a biotin-binding protein. Hoffman NE, et al. **Nucleic Acids Res** 1987 May 11;15(9):3928
Several nodulins of soybean share structural domains but differ in their subcellular locations. Jacobs FA, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1271–80
S1 plasmid from cms-S-maize mitochondria encodes a viral type DNA-polymerase. Kuzmin EV, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6758
Nucleotide sequence of a gene encoding corn ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit (rbcs). Lebrun M, et al. **Nucleic Acids Res** 1987 May 26;15(10):4360
The nucleotide sequence of a cDNA clone encoding the wheat Em protein. Litts JC, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3607–18
The sequence of the maize rps19 locus and of the inverted repeat/unique region junctions. McLaughlin WE, et al. **Nucleic Acids Res** 1987 May 11;15(9):3932
Nucleotide sequence of cDNA encoding the light-harvesting chlorophyll a/b binding protein from maize. Matsuoka M, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6302
Isolation and characterization of cDNA clones encoding pathogenesis-related proteins from tobacco mosaic virus infected tobacco plants. Pfitzner UM, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4449–65
The two classes of genes for the major potato tuber protein, patatin, are differentially expressed in tubers and roots. Pikaard CS, et al. **Nucleic Acids Res** 1987 Mar 11; 15(5):1979–94
A small family of nodule specific genes from soybean. Sandal NN, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1507–19
A novel chlorophyll a/b binding (Cab) protein gene from petunia which encodes the lower molecular weight Cab precursor protein. Stayton MM, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9781–96
Phytochrome and the regulation of the expression of its genes. Quail PH, et al. **Philos Trans R Soc Lond [Biol]** 1986 Nov 17;314(1166):469–80 (61 ref.)
Expression of the nuclear gene encoding oxygen-evolving enhancer protein 2 is required for high levels of photosynthetic oxygen evolution in Chlamydomonas reinhardtii. Mayfield SP, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):749–53
Soybean seed lectin gene and flanking nonseed protein genes are developmentally regulated in transformed tobacco plants. Okamuro JK, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8240–4
Differential expression of six light-harvesting chlorophyll a/b binding protein genes in maize leaf cell types. Sheen JY, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7811–5

IMMUNOLOGY

Serum IgA anti-gliadin antibodies (monomeric versus dimeric) in childhood coeliac disease. Mascart-Lemone F, et al. **Acta Gastroenterol Belg** 1986 Jul–Aug;49(4):415–22
Measurement of mucosa-specific antibodies against gliadin by a sensitive technique using the biotin-streptavidin system. Peña AS, et al. **Acta Gastroenterol Belg** 1986 Jul–Aug;49(4):423–6
An increase in circulating IgA antibodies to gliadin in IgA mesangial glomerulonephritis. Laurent J, et al. **Am J Nephrol** 1987;7(3):178–83
Humoral response to alpha gliadin as serological screening test for coeliac disease. Kelly J, et al. **Arch Dis Child** 1987 May;62(5):469–73
Some biological properties of a glycoprotein isolated from the valves of pea (Pisum sativum) pods. Dumitrescu M, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec; 45(3–4):311–7
IgA-antigliadin antibodies in IgA mesangial nephropathy (Berger's disease). Fornasieri A, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):78–80
Humoral response to wheat protein in patients with celiac disease and enteropathy associated T cell lymphoma [letter] Loft DE, et al. **Br Med J [Clin Res]** 1986 Nov 29; 293(6559):1439
Humoral response to wheat protein in patients with coeliac disease and enteropathy associated T cell lymphoma. O'Farrelly C, et al. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):908–10
Immunotoxins to a human melanoma-associated antigen: comparison of gelonin with ricin and other A chain conjugates. Sivam G, et al. **Cancer Res** 1987 Jun 15; 47(12):3169–73
Circulating antibodies to gliadin subfractions in dermatitis herpetiformis and linear IgA dermatosis of adults and children. Ciclitira PJ, et al. **Clin Exp Dermatol** 1986 Sep; 11(5):502–9
Serum IgG subclass antibodies to gliadin and other dietary antigens in children with coeliac disease. Husby S, et al. **Clin Exp Immunol** 1986 Jun;64(3):526–35
Avidity of antigliadin IgA and IgG antibodies in gluten-sensitive enteropathy and dermatitis herpetiformis. Vainio E, et al. **Clin Immunol Immunopathol** 1986 Nov; 41(2):295–300
Antibodies to the photosystem I chlorophyll a + b antenna cross-react with polypeptides of CP29 and LHCII. White MJ, et al. **Eur J Biochem** 1987 Mar 16;163(3):545–51
Glycoprotein allergens in pollen of timothy. III. Immunochemical and biological properties of a basic glycoprotein. Haavik S, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):182–9
Detection of antigliadin antibodies in bullous diseases and their recognition of similar antigenic polypeptides. Kumar

V, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):155–9
An investigation of human immune response to perennial ryegrass (Lolium perenne) pollen cytochrome c (Lol p X). Ansari AA, et al. **J Allergy Clin Immunol** 1987 Aug; 80(2):229–35
Detection of proteins in wheat flour extracts that bind human IgG, IgE, and mouse monoclonal antibodies. Theobald K, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):470–7
Comparative studies of different gliadin preparations in detecting antigliadin antibodies. Kumar V, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):730–4
Antibodies to gliadin by ELISA as a screening test for childhood celiac disease. Ståhlberg MR, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):726–9
Antigliadin and antireticulin antibodies in children with dermatitis herpetiformis. Vainio E, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):735–9
Antigliadin antibodies at onset of diabetes in children [letter] Catassi C, et al. **Lancet** 1987 Jul 18;2(8551):158
Antigliadin and antireticulin antibodies in screening for coeliac disease [letter] Dias J, et al. **Lancet** 1987 Jul 18; 2(8551):157–8
Cell-mediated immunity to a synthetic gliadin peptide resembling a sequence from adenovirus 12. Karagiannis JA, et al. **Lancet** 1987 Apr 18;1(8538):884–6
Effect of two synthetic alpha-gliadin peptides on lymphocytes in celiac disease: identification of a novel class of opioid receptors. Graf L, et al. **Neuropeptides** 1987 Feb–Mar;9(2):113–22
Screening for coeliac disease in adults by simultaneous determination of IgA and IgG gliadin antibodies. Friis SU, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1058–62
Serum antibodies to gliadin in coeliac disease after gluten withdrawal. Kilander AF, et al. **Scand J Gastroenterol** 1987 Jan;22(1):29–34
Antibodies to dietary antigens in coeliac disease. Volta U, et al. **Scand J Gastroenterol** 1986 Oct;21(8):935–40
Gliadin antibody detection in gluten enteropathy. Watson RG, et al. **Ulster Med J** 1986 Oct;55(2):160–4
[An investigation on the allergic reaction to trichosanthin] Liu FY. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May; 21(3):165–7, 192 (Eng. Abstr.) **(Chi)**
[Gliadin and gliadophins: studies of structure and mechanism of action in lymphocytes in children with celiac disease] Gráf L, et al. **Orv Hetil** 1986 Dec 21;127(51):3105–10 (Eng. Abstr.) **(Hun)**
[Validity of antigliadin antibodies in the diagnosis of celiac disease] Volta U, et al. **Pediatr Med Chir** 1986 Sep–Oct; 8(5):605–9 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Purification of immunotoxins containing ricin A-chain and abrin A-chain using blue sepharose CL-6B. Knowles PP, et al. **Anal Biochem** 1987 Feb 1;160(2):440–3
Purification, characterization and biological activity of tulipin, a novel inhibitor of DNA synthesis of plant origin. Gasperi-Campani A, et al. **Anticancer Res** 1987 Mar–Apr; 7(2):151–4
Highly efficient purification of the 33-, 24-, and 18-kDa proteins in spinach photosystem II by butanol/water phase partitioning and high-performance liquid chromatography. Yamamoto Y, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):156–61
Isolation and purification of chloroplastic spinach (Spinacia oleracea) sedoheptulose-1,7-bisphosphatase. Cadet F, et al. **Biochem J** 1987 Jan 1;241(1):71–4
Crystal and molecular structure of the serine proteinase inhibitor CI-2 from barley seeds. McPhalen CA, et al. **Biochemistry** 1987 Jan 13;26(1):261–9
Linker polypeptides of the phycobilisome from the cyanobacterium Mastigocladus laminosus. II. Amino-acid sequences and functions. Füglistaller P, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):615–26
Linker polypeptides of the phycobilisome from the cyanobacterium Mastigocladus laminosus. I. Isolation and characterization of phycobiliprotein-linker-polypeptide complexes. Füglistaller P, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):601–14
The phycobiliprotein beta 16.2 of the allophycocyanin core from the cyanobacterium Mastigocladus laminosus. Characterization and complete amino-acid sequence. Rümbeli R, et al. **Biol Chem Hoppe Seyler** 1987 Jan; 368(1):1–9
Chlorophyll-protein complexes of barley photosystem I. Bassi R, et al. **Eur J Biochem** 1987 Mar 2;163(2):221–30
Purification and characterization of a light-harvesting chlorophyll-a/b-protein of photosystem I of Lemna gibba. Nechushtai R, et al. **Eur J Biochem** 1987 Apr 15; 164(2):345–50
Beta-trichosanthin: a new abortifacient protein from the Chinese drug, wangua, Trichosanthes cucumeroides. Yeung HW, et al. **Int J Pept Protein Res** 1987 Mar; 29(3):289–92
Identification of a chloroplast-encoded 9-kDa polypeptide as a 2[4Fe-4S] protein carrying centers A and B of photosystem I. Høj PB, et al. **J Biol Chem** 1987 Sep 15; 262(26):12676–84
Purification and characterization of trichosanthin. Homology to the ricin A chain and implications as to mechanism of abortifacient activity. Maraganore JM, et al. **J Biol Chem** 1987 Aug 25;262(24):11628–33
Preparation and measurement of an antiviral protein found in tobacco cells after infection with tobacco mosaic virus. Sela I. **Methods Enzymol** 1986;119:734–44
Simple method of isolation of the major storage protein of bean seed (Phaseolus vulgaris) and its characterization. Dukiandjiev SV. **Nahrung** 1987;31(3):239–46
[Protein concentrate of the manioc leaf. Extraction, chemical analyses and supplementation with amino acids] Salgado JM, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):483–94 (Eng. Abstr.) **(Por)**
[Biological quality of the protein isolated from the leaves of Atriplex numularia] de Mucciarelli SI, et al. **Arch Latinoam Nutr** 1985 Sep;35(3):458–65 (Eng. Abstr.) **(Spa)**

METABOLISM

Passage of gliadin into human breast milk. Troncone R, et al. **Acta Paediatr Scand** 1987 May;76(3):453–6
Chloroplast phosphoproteins: phosphorylation of a 12-kDa stromal protein by the redox-controlled kinase of thylakoid membranes. Bhalla P, et al. **Arch Biochem Biophys** 1987 Jan;252(1):97–104
Chlorophyll antenna proteins of photosystem I: topology, synthesis, and regulation of the 20-kDa subunit of Chlamydomonas light-harvesting complex of photosystem I. Herrin DL, et al. **Arch Biochem Biophys** 1987 May 1; 254(2):397–408
Modification of the properties of S2 state in photosynthetic O2-evolving center by replacement of chloride with other anions. Ono T, et al. **Arch Biochem Biophys** 1987 Aug 1; 256(2):618–24
Chemical constituents, in vitro protein digestibility, and presence of antinutritional substances in amaranth grains. Correa AD, et al. **Arch Latinoam Nutr** 1986 Jun; 36(2):319–26
Auxin-regulated changes in protein phosphorylation in pea epicotyls. Reddy AS, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):944–50
Preferred sites on cytochrome c for electron transfer with two positively charged blue copper proteins, Anabaena variabilis plastocyanin and stellacyanin. Armstrong GD, et al. **Biochemistry** 1986 Nov 4;25(22):6947–51
Binding of amines to the O2-evolving center of photosystem II. Beck WF, et al. **Biochemistry** 1986 Oct 21; 25(21):6479–86
Effect of the 17- and 23-kilodalton polypeptides, calcium, and chloride on electron transfer in photosystem II. de Paula JC, et al. **Biochemistry** 1986 Oct 21;25(21):6487–94
Phenylglyoxal modification of the Photosystem II reaction center. Csatorday K, et al. **Biochim Biophys Acta** 1987 Feb 11;890(2):224–32
Hydrogen peroxide as an alternate substrate for the oxygen-evolving complex. Frasch WD, et al. **Biochim Biophys Acta** 1987 Mar 25;891(1):8–14
Determination of the redox potential and diffusion coefficient of the protein plastocyanin using optically transparent filar electrodes. Sanderson DG, et al. **Biochim Biophys Acta** 1986 Dec 3;852(2-3):269–78
Mercaptoethanol assists in cleaving a cysteine/cystine-free protein into its subunits. Einhoff W, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):405–7
Ultraviolet absorbance increase on reduction of plastocyanin: conformational change or a new chromophore? [letter] Tamilarasan R, et al. **Biophys J** 1986 Dec;50(6):1211–3
Interaction of alpha-sarcin and gelonin with cibacron blue. Sperti S, et al. **Biosci Rep** 1986 Oct;6(10):901–8
Effect of pelleting and associations with maize or wheat on the nutritive value of smooth pea (Pisum sativum) seeds in adult cockerels. Carré B, et al. **Br Poult Sci** 1987 Jun; 28(2):219–29
Gliadin binding to rat and human enterocytes. Colyer J, et al. **Clin Sci** 1987 May;72(5):593–8
In vitro synthesis and processing of a bean pathogenesis-related (PR4) protein. De Tapia M, et al. **Eur J Biochem** 1987 Aug 3;166(3):559–63
Energy dependence of protein translocation into chloroplasts. Flügge UI, et al. **Eur J Biochem** 1986 Nov 3;160(3):563–70
Alpha-glucan synthesis on a protein primer. A reconstituted system for the formation of protein-bound alpha-glucan. Moreno S, et al. **Eur J Biochem** 1987 Feb 2;162(3):609–14
Kinetics of electron transfer between two Hansenula anomala flavocytochrome b2 derivatives and two simple copper proteins (azurin and stellacyanin). Silvestrini MC, et al. **Eur J Biochem** 1986 Dec 1;161(2):465–72
Kinetics of the modulation of chloroplastic fructose-1,6-bisphosphatase activity by thioredoxin fb. Soulié JM, et al. **Eur J Biochem** 1987 Jan 15;162(2):271–4
Light-dependent accumulation and localization of photosystem II proteins in maize. Sutton A, et al. **Eur J Biochem** 1987 May 4;164(3):571–8
Phosphorylation of spinach chlorophyll-protein complexes. CPII, but not CP29, CP27, or CP24, is phosphorylated in vitro. Dunahay TG, et al. **FEBS Lett** 1987 May 4; 215(1):25–30
Is phylloquinone an obligate electron carrier in photosystem I? Palace GP, et al. **FEBS Lett** 1987 May 4;215(1):58–62
Phycobilisome-associated glycoproteins in the cyanobacterium Anacystis nidulans R 2. Riethman HC, et al. **FEBS Lett** 1987 May 11;215(2):209–14
The pharmacokinetics and toxicity of murine monoclonal antibodies and of gelonin conjugates of these antibodies. Scott CF Jr, et al. **Int J Immunopharmacol** 1987;9(2):211–25
Interaction of gelonin with zinc. Sperti S, et al. **Ital J Biochem** 1986 Jul-Aug;35(4):266–71
Intermolecular relations of the photosystem II complex in spinach chloroplasts as detected by immunochemical assay. Aoki K, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):875–82
Interaction of photosystem I-derived protons with the water-splitting enzyme complex. Evidence for localized domains. Theg SM, et al. **J Bioenerg Biomembr** 1987 Feb; 19(1):53–68
Phosphorylation of thylakoid proteins by a purified kinase. Coughlan S, et al. **J Biol Chem** 1987 Jun 15;262(17):8402–8
Prosthetic group content and ligand-binding properties of spinach nitrite reductase. Hirasawa M, et al. **J Biol Chem** 1987 Sep 15;262(26):12428–33
Rapid degradation of apoplastocyanin in Cu(II)-deficient cells of Chlamydomonas reinhardtii. Merchant S, et al. **J Biol Chem** 1986 Dec 5;261(34):15850–3
Chemical modification of the bifunctional regulatory protein of maize leaf pyruvate,orthophosphate dikinase. Evidence for two distinct active sites. Roeske CA, et al. **J Biol Chem** 1987 Sep 15;262(26):12575–82
Sizes of Mn-binding sites in spinach thylakoids. Takahashi M, et al. **J Biol Chem** 1986 Dec 25;261(36):16923–6
Immunogold electron microscopy of phytochrome in Avena: identification of intracellular sites responsible for phytochrome sequestering and enhanced pelletability. McCurdy DW, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2541–50
Stability and specificity of rice bran trypsin inhibitor. Tashiro M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):591–9
Intramembrane translocation and posttranslational palmitoylation of the chloroplast 32-kDa herbicide-binding protein. Mattoo AK, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1497–501
Direct demonstration of the isomerization component of the monoterpene cyclase reaction using a cyclopropylcarbinyl pyrophosphate substrate analog. Wheeler CJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4856–9
Valorization of rapeseed meal. 2. Nutritive value of high or low-glucosinolate varieties and effect of dehulling. Vermorel M, et al. **Reprod Nutr Dev** 1987;27(1A):45–55
Labeling of sweet taste binding sites using a colloidal gold-labeled sweet protein, thaumatin. Farbman AI, et al. **Scanning Microsc** 1987 Mar;1(1):351–7
The application of protein concentrates from locally available legumes in the development of weaning foods. Fashakin JB, et al. **Z Ernahrungswiss** 1986 Dec;25(4):220–7

PHARMACODYNAMICS

Mast cell degranulation after a single dose of gliadin in the jejunum of patients with coeliac disease. Horváth K, et al. **Acta Paediatr Hung** 1986;27(4):311–6
Purification, characterization and biological activity of tulipin, a novel inhibitor of DNA synthesis of plant origin. Gasperi-Campani A, et al. **Anticancer Res** 1987 Mar–Apr; 7(2):151–4
The immunomodulatory and antitumor activities of trichosanthin–an abortifacient protein isolated from tian-hua-fen (Trichosanthes kirilowii). Leung KN, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):111–20
Ability of inhibitors of glycosylation and protein synthesis to sensitize cells to abrin, ricin, Shigella toxin, and Pseudomonas toxin. Sandvig K, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6418–22
Inhibition of radiation-induced transformation of C3H/10T1/2 cells by chymotrypsin inhibitor 1 from potatoes. Billings PC, et al. **Carcinogenesis** 1987 Jun; 8(6):809–12
Effects of momorcharins on the mouse embryo at the early organogenesis stage. Chan WY, et al. **Contraception** 1986 Nov;34(5):537–44
Peptides with antilipolytic and lipogenic activities from seeds of the bitter gourd Momordica charantia (family Cucurbitaceae). Ng TB, et al. **Gen Pharmacol** 1987; 18(3):275–81
The immunosuppressive activities of two abortifacient proteins isolated from the seeds of bitter melon (Momordica charantia). Leung SO, et al. **Immunopharmacology** 1987 Jun; 13(3):159–71
Inhibition of mitochondrial electron transport and energy transduction by lutein in vitro. Chaturvedi VK, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):156–61
Effects of alpha-momorcharin, beta-momorcharin and alpha-trichosanthin on lipogenesis and testicular and adrenal steroidogenesis in vitro and plasma-glucose levels in vivo. Ng TB, et al. **J Ethnopharmacol** 1986 Oct; 18(1):45–53
Effects of dietary animal and plant proteins on the cholesterol metabolism in immature and mature rats. Park MS, et al. **J Nutr** 1987 Jan;117(1):30–5
Comparison of effects of vegetable protein diet and animal protein diet on the initiation of anemia during vigorous physical training (sports anemia) in dogs and rats. Yamada T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Apr; 33(2):129–49
The toxic plant proteins ricin and abrin induce apoptotic changes in mammalian lymphoid tissues and intestine. Griffiths GD, et al. **J Pathol** 1987 Mar;151(3):221–9
Human melanoma cell lines showing striking inherent differences in sensitivity to immunotoxins containing holotoxins. Godal A, et al. **JNCI** 1986 Dec;77(6):1247–53
Immunotoxins to a human melanoma-associated antigen: resistance to pokeweed antiviral protein conjugates in vitro.

Morgan AC Jr, et al. **JNCI** 1987 Jun;78(6):1101–6
Resynthesis by factor XIIa of the trypsin-cleaved peptide bond in the corn protease inhibitor. Lei MG, et al. **Thromb Res** 1987 Jan 1;45(1):87–94

PHYSIOLOGY

Isolation and characterization of light-regulated phycobilisome linker polypeptide genes and their transcription as a polycistronic mRNA. Lomax TL, et al. **J Bacteriol** 1987 Jun;169(6):2675–84
The relations between the chloride, calcium, and polypeptide requirements of photosynthetic water oxidation. Homann PH. **J Bioenerg Biomembr** 1987 Apr;19(2):105–23 (110 ref.)

THERAPEUTIC USE

Emergence of immunoglobulin variants following treatment of a B cell leukemia with an immunotoxin composed of antiidiotypic antibody and saporin. Glennie MJ, et al. **J Exp Med** 1987 Jul 1;166(1):43–62
Selective killing of choriocarcinoma cells in vitro by trichosanthin, a plant protein purified from root tubers of the Chinese medicinal herb Trichosanthes kirilowii. Tsao SW, et al. **Toxicon** 1986;24(8):831–40
[Treatment of malignant trophoblastic neoplasia with trichosanthin] Huang YL. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar;7(3):154–5, 132 (Eng. Abstr.) **(Chi)**

TOXICITY

Antinutritional and biochemical properties of winged bean trypsin inhibitors. de Lumen BO, et al. **Adv Exp Med Biol** 1986;199:413–27
Neuronotoxicity of axonally transported toxic lectins, abrin, modeccin and volkensin in rat peripheral nervous system. Wiley RG, et al. **Neuropathol Appl Neurobiol** 1987 Jan–Feb; 13(1):39–53

PLANT STEROLS see **PHYTOSTEROLS**

PLANT TUMORS

Location of the right boundary of the virulence region on Agrobacterium tumefaciens plasmid pTiC58 and a host-specifying gene next to the boundary. Hirooka T, et al. **J Bacteriol** 1986 Oct;168(1):237–43
Molecular characterization of a host-range-determining locus from Agrobacterium tumefaciens. Yanofsky MF, et al. **J Bacteriol** 1986 Oct;168(1):244–50
Deletion analysis of the mannopine synthase gene promoter in sunflower crown gall tumors and Agrobacterium tumefaciens. DiRita VJ, et al. **MGG** 1987 May; 207(2–3):233–41
Functional domains of a T-DNA promoter active in crown gall tumors. Bruce WB, et al. **Mol Cell Biol** 1987 Jan; 7(1):59–67

ANALYSIS

T-DNA and opine synthetic loci in tumors incited by Agrobacterium tumefaciens A281 on soybean and alfalfa plants. Hood EE, et al. **J Bacteriol** 1986 Dec;168(3):1283–90
The structural characterization of endogenous factors from Vinca rosea crown gall tumors that promote cell division of tobacco cells. Lynn DG, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):615–9

MICROBIOLOGY

Characterization of Agrobacterium tumefaciens strains isolated from grapevine tumors in China. Ma DQ, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1338–43
Time required for tumor induction by Agrobacterium tumefaciens. Sykes LC, et al. **Appl Environ Microbiol** 1986 Sep;52(3):597–8
Agrobacterium tumefaciens and the susceptible plant cell: a novel adaptation of extracellular recognition and DNA conjugation. Stachel SE, et al. **Cell** 1986 Oct 24;47(2):155–7
Initial interactions of Agrobacterium tumefaciens with plant host cells. Matthysse AG. **CRC Crit Rev Microbiol** 1986; 13(3):281–307 (95 ref.)
Agrobacterium tumefaciens-mediated transformation of the monocot genus Gladiolus: detection of expression of T-DNA-encoded genes. Graves AC, et al. **J Bacteriol** 1987 Apr;169(4):1745–6

PLANT VIRUSES

[Naming of plant viruses] Iida T. **Uirusu** 1972 Sep; 22(3):107–13 (32 ref.) **(Jpn)**

ANALYSIS

The capsid polypeptides of the 190S virus of Helminthosporium victoriae. Ghabrial SA, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1791–800
Structure of RNA in satellite tobacco necrosis virus. A low resolution neutron diffraction study using 1H2O/2H2O solvent contrast variation. Bentley GA, et al. **J Mol Biol** 1987 Mar 5;194(1):129–41
Structure and assembly of turnip crinkle virus. I. X-ray crystallographic structure analysis at 3.2 A resolution. Hogle JM, et al. **J Mol Biol** 1986 Oct 20;191(4):625–38
Structure of turnip crinkle virus. III. Identification of a unique coat protein dimer. Stockley PG, et al. **J Mol Biol** 1986 Oct 20;191(4):721–5

CLASSIFICATION

Immunoelectrophoretic characteristics of four broad bean stain virus isolates. Musil M, et al. **Acta Virol (Praha)** 1986 Jul;30(4):332–6
The dianthoviruses: a distinct group of isometric plant viruses with bipartite genome. Hiruki C. **Adv Virus Res** 1987; 33:257–300 (60 ref.)
Evidence that the amino acid composition of the particle proteins of plant viruses is characteristic of the virus group. II. Discriminant analysis according to structural biological and classification properties of plant viruses. Fauquet C, et al. **Intervirology** 1986;25(4):190–200
Taxonomy of cucurbit-infecting tobamoviruses as determined by serological and molecular hybridization analyses. Francki RI, et al. **Intervirology** 1986;26(3):156–63
A method for the quantitative analysis of ELISA data. Clark MF, et al. **J Virol Methods** 1987 Feb;15(3):213–22

DRUG EFFECTS

Loss of infectivity of red clover mottle virus by lysolecithin. Kluge S, et al. **Acta Virol (Praha)** 1987 Mar;31(2):185–8
Analogues of pyrimidine base precursors as antiphytoviral agents. Schuster G, et al. **Antiviral Res** 1987 Mar; 7(3):179–84
[Effect of human interferon on the reproduction of plant and myxoviruses] Ogarkov VI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 May–Jun;(3):341–5 (Eng. Abstr.) **(Rus)**

GENETICS

Retroid virus genome replication. Mason WS, et al. **Adv Virus Res** 1987;32:35–96 (285 ref.)
Self-cleavage of plus and minus RNAs of a virusoid and a structural model for the active sites. Forster AC, et al. **Cell** 1987 Apr 24;49(2):211–20
Self-cleavage of virusoid RNA is performed by the proposed 55-nucleotide active site. Forster AC, et al. **Cell** 1987 Jul 3;50(1):9–16
Tobacco rattle virus. Lister RM. **Intervirology** 1986; 26(1–2):61–73
Nucleotide sequence and newly formed phosphodiester bond of spontaneously ligated satellite tobacco ringspot virus RNA. Buzayan JM, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9729–43
Double-stranded cucumovirus associated RNA 5: experimental analysis of necrogenic and non-necrogenic variants by temperature-gradient gel electrophoresis. Po T, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5069–83
Double-stranded cucumovirus associated RNA 5: which sequence variations may be detected by optical melting and temperature-gradient gel electrophoresis? Steger G, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5085–103
Structure of viroid replicative intermediates: physico-chemical studies on SP6 transcripts of cloned oligomeric potato spindle tuber viroid. Steger G, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9613–30
tRNA-like properties of tobacco rattle virus RNA. van Belkum A, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):2837–50
Homology between the splice-point region of mitochondrial group I introns and the viroid central conserved region. Wolf K. **Nucleic Acids Res** 1986 Dec 22;14(24):10119
A nucleotide sequence rearrangement distinguishes two isolates of satellite tobacco ringspot virus RNA. Buzayan JM, et al. **Virology** 1987 Sep;160(1):95–9
Synthesis in vitro of infectious RNA copies of the virulent satellite of turnip crinkle virus. Simon AE, et al. **Virology** 1987 Jan;156(1):146–52
[Expression and replication process of plant viral RNA genomes] Watanabe Y. **Tanpakushitsu Kakusan Koso** 1987 Mar;32(3):214–26 (79 ref.) **(Jpn)**
[Primary structure of the potato virus X genome: the region preceding the capsid protein cistron] Morozov SIu, et al. **Mol Gen Mikrobiol Virusol** 1987 Mar;(3):32–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Structure and assembly of turnip crinkle virus. II. Mechanism of reassembly in vitro. Sorger PK, et al. **J Mol Biol** 1986 Oct 20;191(4):639–58

IMMUNOLOGY

Nonspecific binding of immunoglobulins to coat proteins of certain plant viruses in immunoblots and indirect ELISA. Dietzgen RG, et al. **J Virol Methods** 1987 Feb;15(2):159–64

ISOLATION & PURIFICATION

Use of [32P]RNA probes for the dot-hybridization detection of potato spindle tuber viroid. Lakshman DK, et al. **J Virol Methods** 1986 Nov;14(3–4):309–19
Detection and identification of plant viruses by ELISA using crude sap extracts and unfractionated antisera. Mowat WP, et al. **J Virol Methods** 1987 Feb;15(3):233–47
Use of enzyme amplification in an ELISA to increase sensitivity of detection of barley yellow dwarf virus in oats and in individual vector aphids. Torrance L. **J Virol Methods** 1987 Feb;15(2):131–8

PATHOGENICITY

Banana bunchy top: an economically important tropical plant virus disease. Dale JL. **Adv Virus Res** 1987;33:301–25 (51 ref.)
Disease induction by plant viruses. van Loon LC. **Adv Virus Res** 1987;33:205–55 (110 ref.)

PHYSIOLOGY

Cryptic plant viruses. Boccardo G, et al. **Adv Virus Res** 1987; 32:171–214 (65 ref.)
Role of the N-terminal part of the coat protein in the assembly of cowpea chlorotic mottle virus. A 500 MHz proton nuclear magnetic resonance study and structural calculations. Vriend G, et al. **J Mol Biol** 1986 Oct 5; 191(3):453–60
Autonomous and helper-dependent small pathogenic RNAs of plants: viroids and satellites. Diener TO. **Prog Clin Biol Res** 1987;234:3–18 (49 ref.)
Symptom regulation induced by some plant virus-associated satellite-like RNAs. Piazzolla P. **Prog Clin Biol Res** 1987; 234:19–22

ULTRASTRUCTURE

Structure and assembly of turnip crinkle virus. IV. Analysis of the coat protein gene and implications of the subunit primary structure. Carrington JC, et al. **J Mol Biol** 1987 Mar 20;194(2):265–76

PLANTAGO see under **PLANTS, MEDICINAL**

PLANTAR PRINTS see **DERMATOGLYPHICS**

PLANTS

Biogeocenotic approach to the evaluation of the condition of forest ecosystems under anthropogenic influence. Chernen'kova TV. **Acta Biol Hung** 1986;37(1):47–53
Occupational allergy to weeping fig in plant keepers. Axelsson IG, et al. **Allergy** 1987 Apr;42(3):161–7
Flowers and other trigger factors in asthma and rhinitis—an inquiry study. Eriksson NE, et al. **Allergy** 1987 Jul; 42(5):374–81
Locally available plant materials for use as ophthalmic surgical swabs. Oji EO. **Ann R Coll Surg Engl** 1986 Nov; 68(6):307–9
Compositae dermatitis in childhood. Guin JD, et al. **Arch Dermatol** 1987 Apr;123(4):500–2
Effects of Chrysanthemum indicum Linn. on coronary, vertebral, renal and aortic blood flows of the anesthetized dog. Kato T, et al. **Arch Int Pharmacodyn Ther** 1987 Feb; 285(2):288–300
Structural characterisation of an anti-complementary arabinogalactan from the roots of Angelica acutiloba Kitagawa. Yamada H, et al. **Carbohydr Res** 1987 Feb 1; 159(2):275–91
Allergic contact dermatitis to hydrangea [letter] Bruynzeel DP, et al. **Contact Dermatitis** 1987 Mar;16(3):181
Contact dermatitis from a neighbour's primula. Fernández de Corrés L, et al. **Contact Dermatitis** 1987 Apr;16(4):234–5
Contact dermatitis from Primula obconica Hance. Fernández de Corres L, et al. **Contact Dermatitis** 1987 Apr;16(4):195–7
Sensitivity to wild vegetation. Menz J, et al. **Contact Dermatitis** 1987 Mar;16(3):169–73
Contact dermatitis to Pastinaca sativa. Picardo M, et al. **Contact Dermatitis** 1986 Aug;15(2):98–9
Parthenium dermatitis sparing vitiliginous skin. Singh KK, et al. **Contact Dermatitis** 1987 Mar;16(3):174
Occupational dermatitis with simultaneous immediate and delayed allergy to chrysanthemum. Tanaka T, et al. **Contact Dermatitis** 1987 Mar;16(3):152–4
Methyl mercury toxicity in plant cultures: modification of resistance and demethylation by light and/or 2,4-dichlorophenoxyacetic acid. Czuba M. **Ecotoxicol Environ Safety** 1987 Apr;13(2):191–201
Leishmaniasis in the Jordan Valley. IV. Attraction of Phlebotomus papatasi (Diptera: Psychodidae) to plants in the field. Schlein Y, et al. **J Med Entomol** 1987 Jan; 24(1):87–90
Cactus spine removal [letter] Schunk JE, et al. **J Pediatr** 1987 Apr;110(4):667
Recent advances in chemical ecology. Harborne JB. **Nat Prod Rep** 1986 Aug;3(4):323–44 (264 ref.)
The oral and dental effects of q'at chewing. Hill CM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):433–6
An evaluation of the interactions between freshwater pulmonate snail hosts of human schistosomes and macrophytes. Thomas JD. **Philos Trans R Soc Lond [Biol]** 1987 Mar 25; 315(1170):75–125
The molluscicidal properties of Ambrosia maritima L. (Compositae). 3. A comparative field trial using dry and freshly-harvested plant material. el Sawy MF, et al. **Trop Med Parasitol** 1987 Jun;38(2):101–5
[Chrysanthemum morifolium in the treatment of hypertension] Zhou YL. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):18–20, 4 (Eng. Abstr.) **(Chi)**
[Plant prickle arthritis in children. Apropos of 6 personal cases] Larbre F, et al. **Pediatrie** 1986 Dec;41(8):601–6 (Eng. Abstr.) **(Fre)**
[Determination of the radioactive burden of vegetation and

the transfer of radionuclides from plants into meat] Hecht H. **DTW** 1987 Jun 9;94(6):361–4 (Eng. Abstr.) **(Ger)**

[Transfer of radionuclides from forage plants into milk] Heeschen W. **DTW** 1987 Jun 9;94(6):364–7 (Eng. Abstr.) **(Ger)**

[New procedures for the elimination of the brown dog tick (Rhipicephalus sanguineus L.) without contaminating room air] Hoffmann G. **DTW** 1986 Oct 8;93(9):418–24 (Eng. Abstr.) **(Ger)**

[Modification of ground water by plant pesticides. Bodies of Water and Plant Pesticides V. Technical discussion. Berlin, 21–22 November 1985] **Schriftenr Ver Wasser Boden Lufthyg** 1987;68:1–336 **(Ger)**

[Chrysanthemum allergy] Aberer W, et al. **Wien Klin Wochenschr** 1987 Jun 26;99(13):466–8 (Eng. Abstr.) **(Ger)**

[Exposure to dust in plant production] Scamoni G, et al. **Z Gesamte Hyg** 1986 Nov;32(11):637–9 (Eng. Abstr.) **(Ger)**

[Eye injuries due to cactus thorns] Biger Y, et al. **Harefuah** 1986 Jun 15;110(12):611–2 (Eng. Abstr.) **(Heb)**

[Dermatitis caused by plants] Brenner S, et al. **Harefuah** 1986 Oct;111(7–8):191–3 **(Heb)**

[Effect of plant polysaccharides on blood coagulation activity in animals] Lavrenova GIu. **Farmakol Toksikol** 1986 Jul–Aug;49(4):38–40 (Eng. Abstr.) **(Rus)**

[Phytodermatitis in children] Kapitonov VF. **Pediatriia** 1987; (2):89–90 **(Rus)**

[Arboreal mollusks and mollusks associated with vegetation in Cuba] Mesa García R. **Rev Cubana Med Trop** 1986 Sep–Dec;38(3):335–41 (Eng. Abstr.) **(Spa)**

ANALYSIS

Bioindicators and accumulators in geobotanical and biogeochemical prospecting of metals. Aery NC, et al. **Acta Biol Hung** 1986;37(1):67–78

Bioindication: a short review on the use of plants as indicators of heavy metals. Kovács M, et al. **Acta Biol Hung** 1986; 37(1):19–29

Biochemical, nutritional and toxicological aspects of alpha-amylase inhibitors from plant foods. Buonocore V, et al. **Adv Exp Med Biol** 1986;199:483–507

Nutritional and metabolic response to plant inhibitors of digestive enzymes. Gallaher D, et al. **Adv Exp Med Biol** 1986;199:167–84

Protease inhibitors in plant foods: content and inactivation. Rackis JJ, et al. **Adv Exp Med Biol** 1986;199:299–347 (197 ref.)

Analysis of S-methylmethionine and S-adenosylmethionine in plant tissue by a dansylation, dual-isotope method. Macnicol PK. **Anal Biochem** 1986 Oct;158(1):93–7

Extraction and quantitation of dolichol and dolichyl phosphate in soybean embryo tissue. Rip JW, et al. **Anal Biochem** 1987 Feb 1;160(2):350–5

A quantitative fluorescence enzyme immunoassay for plant cytokinins. Trione EJ, et al. **Anal Biochem** 1987 Apr; 162(1):301–8

Microwave energy for acid decomposition at elevated temperatures and pressures using biological and botanical samples. Kingston HM, et al. **Anal Chem** 1986 Oct; 58(12):2534–41

Evidence from high-pressure liquid chromatography for the existence of two ferredoxins in plants. Sakihama N, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):430–4

Highly efficient purification of the 33-, 24-, and 18-kDa proteins in spinach photosystem II by butanol/water phase partitioning and high-performance liquid chromatography. Yamamoto Y, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):156–61

Persistence of DDT and metabolites in wildlife from Washington State orchards. Blus LJ, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):467–76

Evaluation of interclonal elemental-profile variation in Sitka spruce seed. el-Kassaby YA, et al. **Biochem Genet** 1986 Oct;24(9–10):729–41

Phospholipid and fatty acid composition in mitochondria from spinach (Spinacia oleracea) leaves and petioles. A comparative study. Edman K, et al. **Biochem J** 1987 Apr 15;243(2):575–8

Bryodin, a ribosome-inactivating protein from the roots of Bryonia dioica L. (white bryony). Stirpe F, et al. **Biochem J** 1986 Dec 15;240(3):659–65

Environmental contamination by lead and cadmium in plants from urban area of Madrid, Spain. Hernández LM, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):203–8

Structural analysis of papaya polysaccharide II. BeMiller JN, et al. **Carbohydr Res** 1986 Dec 15;158:173–81

The sequence statistics and solution conformation of a barley (1——3, 1——4)-beta-D-glucan. Buliga GS, et al. **Carbohydr Res** 1986 Dec 1;157:139–56

A new agglutinin from the Tulipa gesneriana bulbs. Oda Y, et al. **Eur J Biochem** 1987 Jun 1;165(2):297–302

Isolation and characterization of a lectin from tulip bulbs, Tulipa gesneriana. Oda Y, et al. **Eur J Biochem** 1986 Sep 1;159(2):239–45

Annonacin, a novel, biologically active polyketide from Annona densicoma. McCloud TG, et al. **Experientia** 1987 Aug 15;43(8):947–9

Differences in repeated DNA sequences between callus and shoot tissue of sugarcane (Saccharum officinarum L). Hendre RR, et al. **Indian J Biochem Biophys** 1986 Apr; 23(2):80–6

Natural plant enzyme inhibitors: isolation and properties of a trypsin/chymotrypsin inhibitor from kidney bean (Phaseolus vulgaris). Jacob RT, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):105–9

A comparative determination of heavy metals in moss tissue by atomic absorption spectroscopy, differential pulse anodic stripping voltammetry, direct current plasma spectroscopy and X-ray fluorescence spectroscopy. Onianwa PC. **Int J Environ Anal Chem** 1987;28(3):237–46

Dry deposition of ammonia at environmental concentrations on selected plant species. Aneja VP, et al. **J Air Pollut Control Assoc** 1986 Dec;36(12):1338–41

Determination of fluorene in fish, sediment, and plants. Lebo JA, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec; 69(6):944–51

N-caffeoyl-4-amino-n-butyric acid, a new flower-specific metabolite in cultured tobacco cells and tobacco plants. Balint R, et al. **J Biol Chem** 1987 Aug 15;262(23):11026–31

Identification of two messenger RNA cap binding proteins in wheat germ. Evidence that the 28-kDa subunit of eIF-4B and the 26-kDa subunit of eIF-4F are antigenically distinct polypeptides. Browning KS, et al. **J Biol Chem** 1987 Aug 15;262(23):11228–32

Partial purification and characterization of an insulin-like material from spinach and Lemna gibba G3. Collier E, et al. **J Biol Chem** 1987 May 5;262(13):6238–47

Electrochemical detection in the high-performance liquid chromatography of polyphenols (vegetable tannins). Chiavari G, et al. **J Chromatogr** 1987 Apr 17;392:426–34

Analysis of gossypol by high performance liquid chromatography. Wang MZ. **J Ethnopharmacol** 1987 Jun; 20(1):1–11

Separation and quantitation of molecular species of plant phosphatidylcholine by high-performance liquid chromatography with flame ionization detection. Norman HA, et al. **J Lipid Res** 1986 Oct;27(10):1104–7

Guayulins C and D from guayule (Parthenium argentatum). Martínez M, et al. **J Nat Prod** 1986 Nov–Dec;49(6):1102–3

Antineoplastic agents from higher plants: application of tandem mass spectrometry to xanthones from Psorospermum febrifugum. Pachuta RR, et al. **J Nat Prod** 1986 May–Jun;49(3):412–23

Relation of soil and plant magnesium to nutrition of animals and man. Wilkinson SR, et al. **Magnesium** 1987;6(2):74–90

Isolation and analysis of cell walls from plant material. Selvendran RR, et al. **Methods Biochem Anal** 1987; 32:25–153

Diterpenoids. Hanson JR. **Nat Prod Rep** 1986 Aug; 3(4):307–22 (218 ref.)

Recent progress in the chemistry of indole alkaloids and mould metabolites. Saxton JE. **Nat Prod Rep** 1986 Aug; 3(4):353–94 (193 ref.)

Aporphinoid alkaloids. Shamma M, et al. **Nat Prod Rep** 1986 Aug;3(4):345–51 (70 ref.)

The nucleotide sequences of two glycine tRNAs from Lupinus luteus seeds. Barciszewska M, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9525

Plant small nuclear RNAs. II. U6 RNA and a 4.5SI-like RNA are present in plant nuclei. Kiss T, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):543–60

A competitive solid-phase enzyme immunoassay for the evaluation of tropane alkaloids in plant material, using anti-DL-tropic acid antibodies. Fliniaux MA, et al. **Planta Med** 1987 Feb;53(1):87–90

Search of prostaglandins and related compounds in plants. A review of the occurrence of prostaglandins and prostaglandin-like compounds in plants. Panossian AG. **Prostaglandins** 1987 Mar;33(3):363–81 (71 ref.)

Pesticide fate from vine to wine. Cabras P, et al. **Rev Environ Contam Toxicol** 1987;99:83–117 (130 ref.)

Soil to plant transfer of 239 + 240Pu, 238Pu, 241Am, 137Cs and 90Sr from global fallout in flour and bran from wheat, rye, barley and oats, as obtained by field measurements. Bunzl K, et al. **Sci Total Environ** 1987 May;63:111–24

Rare-earth elements in the NBS standard reference materials spinach, orchard leaves, pine needles and bovine liver. Meloni S, et al. **Sci Total Environ** 1987 Jun;64(1–2):13–20

Application of differential pulse anodic stripping voltammetry to the determination of heavy metals in environmental samples. Ostapczuk P, et al. **Sci Total Environ** 1987 Feb;60:1–16

Histochemical techniques to localize rubber in guayule (Parthenium argentatum Gray). Jayabalan M, et al. **Stain Technol** 1986 Sep;61(5):303–8

The use of alizarin red S to detect and localize calcium in gametophyte cells of ferns. Miller JH, et al. **Stain Technol** 1987 Jul;62(4):237–45

Gene I products of cauliflower mosaic virus detected in extracts of infected tissue. Young MJ, et al. **Virology** 1987 Jun;158(2):444–6

[Structural determination of yejuhua lactone, isolated from Chrysanthemum indicum L] Chen ZN, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):67–9 (Eng. Abstr.) **(Chi)**

[Analytical method for residues of methylcarbamate insecticides in plant foods] Brauckhoff S, et al. **Z Lebensm Unters Forsch** 1987 Feb;184(2):91–5 (Eng. Abstr.) **(Ger)**

[Studies on the cultivation of turmeric (Curcuma longa L.). I. Varietal differences in rhizome yield and curcuminoid content] Aoi K, et al. **Eisei Shikenjo Hokoku** 1986; (104):124–8 (Eng. Abstr.) **(Jpn)**

[Moist combustion of samples of plant and animal origin for the purpose of radiometric determination of carbon-14] Sevost'anova EP, et al. **Gig Sanit** 1986 Sep;(9):54–6 **(Rus)**

ANATOMY & HISTOLOGY

Sectioning tough stems infiltrated with polyethylene glycol. Graham ET, et al. **Stain Technol** 1987 Jan;62(1):63–4

CLASSIFICATION

Chemical systematics. Waterman PG, et al. **Nat Prod Rep** 1987 Apr;4(2):175–203 (306 ref.)

CYTOLOGY

Paclobutrazol inhibition of sterol biosynthesis in a cell suspension culture and evidence of an essential role for 24-ethylsterol in plant cell division. Haughan PA, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):510–6

The argentia mutation delays normal development of photosynthetic cell-types in Zea mays. Langdale JA, et al. **Dev Biol** 1987 Jul;122(1):243–55

Cell sizes and DNA level in antheridial filaments in relation to the initiation of spermatozoid differentiation in Chara vulgaris L. Kwiatkowska M, et al. **Folia Histochem Cytobiol** 1987;25(1):79–89

An autoimmune antibody from scleroderma patients recognizes a component of the plant cell nucleolus. Vaughan MA. **Histochemistry** 1987;86(5):533–5

Microfilaments: dynamic arrays in higher plant cells. Seagull RW, et al. **J Cell Biol** 1987 Apr;104(4):995–1004

The structural characterization of endogenous factors from Vinca rosea crown gall tumors that promote cell division of tobacco cells. Lynn DG, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):615–9

Control of shoot apical development via cell division. Lyndon RF, et al. **Symp Soc Exp Biol** 1986;40:233–55 (51 ref.)

Mitodepressive effect of (–)-cathinone, from Catha edulis (khat), on the meristematic region of Allium cepa root tips. Al-Meshal IA. **Toxicon** 1987;25(4):451–4

DRUG EFFECTS

The effect of metyrapone on cytokinin ([8-14C]benzylaminopurine) metabolism in mature green tomato pericarp. Long AR, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):109–14

Effect of synthetic detergents on germination of fern spores. Devi Y, et al. **Bull Environ Contam Toxicol** 1986 Dec; 37(6):837–43

Effects of chemical smokes on flora and fauna under field and laboratory exposures. Schaeffer DJ, et al. **Ecotoxicol Environ Safety** 1987 Jun;13(3):301–15

Accumulation of non-protein metal-binding polypeptides (gamma-glutamyl-cysteinyl)n-glycine in selected cadmium-resistant tomato cells. Steffens JC, et al. **J Biol Chem** 1986 Oct 25;261(30):13879–82

Assay of effect of human interferons on tobacco protoplasts. Sela I. **Methods Enzymol** 1986;119:744–52

Time-resolved fluorescence of conifers exposed to environmental pollutants. Schneckenburger H, et al. **Radiat Environ Biophys** 1986;25(4):289–95

Oxides of nitrogen and their impact upon vegetation. Rowland A, et al. **Rev Environ Health** 1985;5(4):295–342 (175 ref.)

Phytotoxicity of orellanine, a mushroom toxin. Richard JM, et al. **Toxicon** 1987;25(3):350–4

EMBRYOLOGY

Unusual patterns of somatic embryogenesis in the domesticated carrot: developmental effects of exogenous auxins and auxin transport inhibitors. Schiavone FM, et al. **Cell Differ** 1987 Jun;21(1):53–62

Accumulation kinetics of cotton late embryogenesis-abundant mRNAs and storage protein mRNAs: coordinate regulation during embryogenesis and the role of abscisic acid. Galau GA, et al. **Dev Biol** 1987 Sep;123(1):198–212

Plasticity in morphogenetic expression in plant. Tran Thanh Van K. **Symp Soc Exp Biol** 1986;40:171–9 (16 ref.)

ENZYMOLOGY

Mechanized techniques for the selective extraction of enzymes from plant epidermal glands. Gershenzon J, et al. **Anal Biochem** 1987 May 15;163(1):159–64

Golgi-specific localization of transglycosylases engaged in glycoprotein biosynthesis in suspension-cultured cells of sycamore (Acer pseudoplatanus L.). Ali MS, et al. **Arch Biochem Biophys** 1986 Dec;251(2):421–31

Mechanism of polyamine inhibition of a leaf protease. Balestreri E, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):460–3

Cationic form of beta-galactosidase in the germinating seeds of Vigna sinensis (Linn) Savi. Biswas TK. **Arch Biochem Biophys** 1986 Nov 15;251(1):379–84

Photoinactivation of catalase in vitro and in leaves. Feierabend J, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):567–76

Characterization of beta-glucosidases with high specificity for the cyanogenic glucoside dhurrin in Sorghum bicolor

(L.) moench seedlings. Hösel W, et al. **Arch Biochem Biophys** 1987 Jan;252(1):152–62

Spinach leaf ribulose-5-phosphate kinase: examination of sulfhydryls by chemical modification and spin-labeling. Krieger TJ, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):362–71

Radiolabeling of a wound-inducible pyridoxal phosphate-utilizing enzyme: evidence for its identification as ACC synthase. Privalle LS, et al. **Arch Biochem Biophys** 1987 Mar;253(2):333–40

Purification and characterization of dihydrofolate reductase from soybean seedlings. Ratnam S, et al. **Arch Biochem Biophys** 1987 Jun;255(2):279–89

Proton pumping kinetics and origin of nitrate inhibition of tonoplast-type H+-ATPase. Tu SI, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):625–37

A novel purification procedure for chalcone flavanone isomerase from Petunia hybrida and the use of its antibodies to characterize the Po mutation. Van Tunen AJ, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):85–91

Plant RNA polymerases: structures, regulation, and genes. Guilfoyle TJ, et al. **Basic Life Sci** 1987;41:87–100

Cross-reaction of a plant protein kinase with antiserum raised against a sequence from bovine brain protein kinase C regulatory sub-unit. Elliott DC, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1043–7

Photoreductive path of carbon fixation in green plant photosynthesis. Reaction pathway of six-carbon ribulose 1,5-bisphosphate carboxylation adduct intermediate. Fong FK, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):732–7

The "manganese(III)-containing" purple acid phosphatase from sweet potatoes is an iron enzyme. Hei..r SK, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1173–7

The 14 alpha-demethylation of obtusifoliol by a cytochrome P-450 monooxygenase from 'higher plants' microsomes. Rahier A, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1064–72

Chitin oligosaccharides as elicitors of chitinase activity in melon plants. Roby D, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):885–92

Biochemical and proton NMR characterization of the isolated functional beta-subunit of coupling factor one from spinach chloroplasts. Roux-Fromy M, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):718–25

Transcriptional control of the inducible nitrate reductase isoform from soybeans. Smarrelli J Jr, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1160–5

Photoregulation process of sorghum leaf phosphoenolpyruvate carboxylase: study with monoclonal antibodies. Thomas M, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):170–7

Characterization of alcohol dehydrogenase in young soybean seedlings. Brzezinski R, et al. **Biochem Genet** 1986 Oct; 24(9–10):643–56

Study of interfering substances in a simple, new spectrophotometric assay for phenylalanine ammonia-lyase. Khan NU, et al. **Biochem Int** 1987 Mar; 14(3):451–5

Purification and characterization of a novel NADPH(NADH)-dependent glyoxylate reductase from spinach leaves. Comparison of immunological properties of leaf glyoxylate reductase and hydroxypyruvate reductase. Kleczkowski LA, et al. **Biochem J** 1986 Nov 1;239(3):653–9

Molecular cloning of two cysteine proteinases from paw-paw (Carica papaya). McKee RA, et al. **Biochem J** 1986 Jul 1;237(1):105–10

Purification of the phosphorylated night form and dephosphorylated day form of phosphoenolpyruvate carboxylase from Bryophyllum fedtschenkoi. Nimmo GA, et al. **Biochem J** 1986 Oct 1;239(1):213–20

Carbohydrate substrate specificity of bacterial and plant pyrophosphate-dependent phosphofructokinases. Bertagnolli BL, et al. **Biochemistry** 1986 Aug 12; 25(16):4674–81

Reduction kinetics of the ferredoxin-ferredoxin-NADP+ reductase complex: a laser flash photolysis study. Bhattachryya AK, et al. **Biochemistry** 1986 Aug 12; 25(16):4655–61

Comparison of aspartate transcarbamoylases from wheat germ and Escherichia coli: functionally identical histidines in nonhomologous local sequences. Cole SC, et al. **Biochemistry** 1986 Nov 4;25(22):7168–74

Isotope effect studies of the chemical mechanism of nicotinamide adenine dinucleotide malic enzyme from Crassula. Grissom CB, et al. **Biochemistry** 1987 May 5; 26(9):2594–6

The proton-pumps at the plasmalemma of Catharanthus roseus cells. Belkoura M, et al. **Biochimie** 1986 Dec; 68(12):1299–302

Does a proton-pumping ATPase exist in the tonoplast? Dupaix A, et al. **Biochimie** 1986 Dec;68(12):1293–8

The tonoplast proton-translocating ATPase of higher plants as a third class of proton-pumps. Marin B, et al. **Biochimie** 1986 Dec;68(12):1263–77

Primary structure of Cu-Zn superoxide dismutase of Brassica oleracea proves homology with corresponding enzymes of animals, fungi and prokaryotes. Steffens GJ, et al. **Biol Chem Hoppe Seyler** 1986 Oct;367(10):1007–16

Monoclonal antibodies to the two most basic papaya proteinases. Goodenough PW, et al. **Biosci Rep** 1986 Aug; 6(8):759–66

Actions of Aspergillus oryzae alpha-amylase, potato phosphorylase, and rabbit muscle phosphorylase a and b on phosphorylated (1——4)-alpha-D-glucan. Takeda Y, et al. **Carbohydr Res** 1986 Oct 1;153(2):295–307

Effects of pH and fructose 2,6-bisphosphate on oxidized and reduced spinach chloroplastic fructose-1,6-bisphosphatase. Cadet F, et al. **Eur J Biochem** 1987 Jan 15;162(2):393–8

Phosphorylation in vitro of the large subunit of the ribulose-1,5-bisphosphate carboxylase and of the glyceraldehyde-3-phosphate dehydrogenase. Guitton C, et al. **Eur J Biochem** 1987 Jul 1;166(1):249–54

CO2 is the inorganic carbon substrate of NADP malic enzymes from Zea mays and from wheat germ. Häusler RE, et al. **Eur J Biochem** 1987 Mar 16;163(3):619–26

Purification and properties of spinach leaf phosphofructokinase 2/fructose 2,6-bisphosphatase [published erratum appears in Eur J Biochem 1987 Feb 2;162(3):699] Larondelle Y, et al. **Eur J Biochem** 1986 Dec 1;161(2):351–7

The proton channel, CF0, in thylakoid membranes. Only a low proportion of CF1-lacking CF0 is active with a high unit conductance (169 fS). Lill H, et al. **Eur J Biochem** 1986 Nov 3;160(3):627–34

Separation, amino-terminal sequence and cell-free synthesis of the smallest subunit of sweet potato cytochrome c oxidase. Nakagawa T, et al. **Eur J Biochem** 1987 Jun 1; 165(2):303–7

Molecular cloning and nucleotide sequence of full-length cDNA for sweet potato catalase mRNA. Sakajo S, et al. **Eur J Biochem** 1987 Jun 1;165(2):437–42

Kinetics of the modulation of chloroplastic fructose-1,6-bisphosphatase activity by thioredoxin fb. Soulié JM, et al. **Eur J Biochem** 1987 Jan 15;162(2):271–4

In vivo uptake of mitochondrial malate dehydrogenase from watermelon by mitochondria of Xenopus laevis oocytes. Sautter C. **Eur J Cell Biol** 1986 Aug;41(2):263–9

Oxidation-reduction midpoint potentials of the molybdenum center in spinach NADH:nitrate reductase. Barber MJ, et al. **FEBS Lett** 1987 Mar 23;213(2):372–4

Mevalonate phosphorylation in lemon grass leaves. Lalitha R, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):249–53

The role of lactate dehydrogenase isozymes in controlling the cytosolic pH of plant cells. Davies DD. **Isozymes Curr Top Biol Med Res** 1987;16:193–207

Glyoxysomal and mitochondrial malate dehydrogenase in watermelon cotyledons. Gietl C, et al. **Isozymes Curr Top Biol Med Res** 1987;16:175–92

Lipoxygenase isozymes in higher plants: biochemical properties and physiological role. Mack AJ, et al. **Isozymes Curr Top Biol Med Res** 1987;13:127–54

The antioxidant enzyme genes Cat and Sod of maize: regulation, functional significance, and molecular biology. Scandalios JG. **Isozymes Curr Top Biol Med Res** 1987; 14:19–44 (58 ref.)

Regulation and structure of isozymes of sugar phosphate metabolism in plants. Schnarrenberger C. **Isozymes Curr Top Biol Med Res** 1987;16:223–40

Plant peroxidases. van Huystee RB. **Isozymes Curr Top Biol Med Res** 1987;16:241–5

The effect of heavy metals on isozyme gene expression in Silene cucubalus. Verkleij JA, et al. **Isozymes Curr Top Biol Med Res** 1987;16:209–21

Purification and characterization of 3-hydroxy-3-methylglutaryl CoA reductase from potato tubers. Kondo K, et al. **J Biochem (Tokyo)** 1986 Oct; 100(4):967–74

Purification and partial characterization of a calmodulin-stimulated nucleoside triphosphatase from pea nuclei. Chen YR, et al. **J Biol Chem** 1987 Aug 5; 262(22):10689–94

Protein kinases of the thylakoid membrane. Coughlan SJ, et al. **J Biol Chem** 1986 Oct 25;261(30):14062–8

Prosthetic group content and ligand-binding properties of spinach nitrite reductase. Hirasawa M, et al. **J Biol Chem** 1987 Sep 15;262(26):12428–33

Probing the catalytic subunit of the tonoplast H+-ATPase from oat roots. Binding of 7-chloro-4-nitrobenzo-2-oxa-1,3,-diazole to the 72-kilodalton polypeptide. Randall SK, et al. **J Biol Chem** 1987 May 25;262(15):7135–41

Monoterpene cyclases. Stereoelectronic requirements for substrate binding and ionization. Wheeler CJ, et al. **J Biol Chem** 1987 Jun 15;262(17):8213–9

Evidence for a multiple subunit composition of plant NAD malic enzyme. Willeford KO, et al. **J Biol Chem** 1987 Jun 15;262(17):8423–9

A novel type of phosphofructokinase from plants. Wong JH, et al. **J Biol Chem** 1987 Mar 5;262(7):3185–91

Stylar peroxidase and incompatibility reactions in Petunia hybrida. Carraro L, et al. **J Cell Sci** 1986 Jun;82:1–10

Rapid chromatographic purification of glyphosate-sensitive 5-enolpyruvylshikimate 3-phosphate synthase from higher plant chloroplasts. Mousdale DM, et al. **J Chromatogr** 1986 Sep 26;367(1):217–22

Arogenate dehydrogenase. Bonner C, et al. **Methods Enzymol** 1987;142:488–94

Prephenate aminotransferase. Bonner C, et al. **Methods Enzymol** 1987;142:479–87

Translational regulation of light-induced ribulose 1,5-bisphosphate carboxylase gene expression in amaranth. Berry JO, et al. **Mol Cell Biol** 1986 Jul;6(7):2347–53

Sliding-layer conformational change limited by the quaternary structure of plant RuBisCO. Chapman MS, et al. **Nature** 1987 Sep 24–30;329(6137):354–6

Ribulose biphosphate carboxylase-oxygenase. **Philos Trans R Soc Lond [Biol]** 1986 Oct 14; 313(1162):305–469

Structural studies of Rubisco from tobacco. Chapman MS, et al. **Philos Trans R Soc Lond [Biol]** 1986 Oct 14; 313(1162):367–78

Characterization of 2 beta (R)-17-O-acetylajmalan: acetylesterase--a specific enzyme involved in the biosynthesis of the Rauwolfia alkaloid ajmaline. Polz L, et al. **Z Naturforsch [C]** 1987 Apr;42(4):333–42

[Separation of ribulose-1,5-diphosphate carboxylase subunits from artichoke leaves] Cardinali A, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):565–9 (Eng. Abstr.) (Ita)

[Determination of the number of sulfhydryl residues of ribulose-1,5-diphosphate carboxylase purified from artichoke leaves] Miceli A, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):571–6 (Eng. Abstr.) (Ita)

GENETICS

Regulation of proteinase inhibitor genes in food plants. Brown WE, et al. **Adv Exp Med Biol** 1986;199:281–90

Genetics and breeding of soybeans lacking the Kunitz trypsin inhibitor. Hymowitz T. **Adv Exp Med Biol** 1986;199:291–8

Molecular genetics of transposable elements in plants. Döring HP, et al. **Annu Rev Genet** 1986;20:175–200 (165 ref.)

Synthesis, cloning, and expression in Escherichia coli of a spinach acyl carrier protein-I gene. Beremand PD, et al. **Arch Biochem Biophys** 1987 Jul;256(1):90–100

Characterization of the seed and leaf lipids of high and low linolenic acid flax genotypes. Tonnet ML, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):646–54

Tailoring genes for crop improvement. An agricultural perspective. **Basic Life Sci** 1987;41:1–228

Visual assays of transformation in plant cells. Walbot V, et al. **Basic Life Sci** 1987;41:183–8

Identification of polypeptides of photosystem I reaction center as the products of chloroplast genes PS1A1 and PS1A2. Margulies MM, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):281–7

A gene modifying mitochondrial malate dehydrogenase isozymes in Sorghum (Gramineae). Doebley J, et al. **Biochem Genet** 1986 Dec;24(11–12):813–9

Characterization and genetic control of the prolamins of Haynaldia villosa: relationship to cultivated species of the Triticeae (rye, wheat, and barley). Shewry PR, et al. **Biochem Genet** 1987 Apr;25(3–4):309–25

Hormonal and development control of gene expression in wheat. Baulcombe D, et al. **Biochem Soc Trans** 1987 Feb; 15(1):9–11

The use of the Escherichia coli beta-glucuronidase as a gene fusion marker for studies of gene expression in higher plants. Jefferson RA, et al. **Biochem Soc Trans** 1987 Feb; 15(1):17–8

The control of floral pigmentation in Antirrhinum. Martin C, et al. **Biochem Soc Trans** 1987 Feb;15(1):14–7

Hormonal and development control of gene expression in castor beans. Northcote DH. **Biochem Soc Trans** 1987 Feb; 15(1):11–2

Characterization of developmentally and environmentally regulated genes in potato. Willmitzer L. **Biochem Soc Trans** 1987 Feb;15(1):12–4

Are Mendel's results really too close? Edwards AW. **Biol Rev Cambridge Philosophic Soc** 1986 Nov; 61(4):295–312

Mitochondrial genome rearrangement leads to extension and relocation of the cytochrome c oxidase subunit I gene in sorghum. Bailey-Serres J, et al. **Cell** 1986 Nov 21; 47(4):567–76

Transposable elements generate novel spatial patterns of gene expression in Antirrhinum majus. Coen ES, et al. **Cell** 1986 Oct 24;47(2):285–96

Control of plastid gene expression during development: the limited role of transcriptional regulation. Deng XW, et al. **Cell** 1987 May 8;49(3):379–87

A fused mitochondrial gene associated with cytoplasmic male sterility is developmentally regulated. Young EG, et al. **Cell** 1987 Jul 3;50(1):41–9

Accumulation kinetics of cotton late embryogenesis-abundant mRNAs and storage protein mRNAs: coordinate regulation during embryogenesis and the role of abscisic acid. Galau GA, et al. **Dev Biol** 1987 Sep;123(1):198–212

Coordinate accumu'ation of homeologous transcripts of seven cotton Lea gene families during embryogenesis and germination. Galau GA, et al. **Dev Biol** 1987 Sep; 123(1):213–21

Accurate in vitro splicing of two pre-mRNA plant introns in a HeLa cell nuclear extract. Brown JW, et al. **EMBO J** 1986 Nov;5(11):2749–58

Inactivation of the maize transposable element Activator (Ac) is associated with its DNA modification. Chomet PS, et al. **EMBO J** 1987 Feb;6(2):295–302

DNA sequence analysis of a 5.27-kb direct repeat occurring adjacent to the regions of S-episome homology in maize mitochondria. Houchins JP, et al. **EMBO J** 1986 Nov; 5(11):2781–8

Selection of AUG initiation codons differs in plants and

animals. Lütcke HA, et al. **EMBO J** 1987 Jan;6(1):43–8
Glutamine synthetase genes of pea encode distinct polypeptides which are differentially expressed in leaves, roots and nodules. Tingey SV, et al. **EMBO J** 1987 Jan; 6(1):1–9
Fungal small nuclear ribonucleoproteins share properties with plant and vertebrate U-snRNPs. Tollervey D, et al. **EMBO J** 1987 Feb;6(2):469–76
A human and a plant intron-containing tRNATyr gene are both transcribed in a HeLa cell extract but spliced along different pathways. van Tol H, et al. **EMBO J** 1987 Jan; 6(1):35–41
Excision of Ds produces waxy proteins with a range of enzymatic activities. Wessler SR, et al. **EMBO J** 1986 Oct; 5(10):2427–32
Nucleotide sequence of barley chymotrypsin inhibitor-2 (CI-2) and its expression in normal and high-lysine barley. Williamson MS, et al. **Eur J Biochem** 1987 May 15; 165(1):99–106
Transient expression of the plasmid pCaMVCAT in plant protoplasts following transformation with polyethyleneglycol. Ballas N, et al. **Exp Cell Res** 1987 May; 170(1):228–34
The incorporation of deoxyuridine monophosphate into DNA increases the sister-chromatid exchange yield. Pardo EG, et al. **Exp Cell Res** 1987 Feb;168(2):507–17
Transfer of Drosophila melanogaster transposable genetic element mdg-4 into plant cells. Karlovská L, et al. **Folia Biol (Praha)** 1987;33(1):40–9
Recovery of a soybean urease genomic clone by sequential library screening with two synthetic oligodeoxynucleotides. Krueger RW, et al. **Gene** 1987; 54(1):41–50
Nucleotide sequence of the split tRNAleu(UAA) gene from Sorghum bicolor chloroplasts. Ma DP, et al. **Gene** 1986; 43(1-2):169–74
Nucleotide sequence and molecular evolution of two tomato genes encoding the small subunit of ribulose-1,5-bisphosphate carboxylase. McKnight TD, et al. **Gene** 1986;48(1):23–32
A simple and rapid nucleotide sequencing strategy and its application in analyzing a rice histone 3 gene. Peng ZG, et al. **Gene** 1986;45(3):247–52
Multiple variability in the sequence of a family of maize endosperm proteins. Prat S, et al. **Gene** 1987;52(1):41–9
Analyses of alpha/beta-type gliadin genes from diploid and hexaploid wheats. Reeves CD, et al. **Gene** 1987; 52(2-3):257–66
Promoter cassettes, antibiotic-resistance genes, and vectors for plant transformation. Rothstein SJ, et al. **Gene** 1987; 53(2-3):153–61
Nucleotide and amino acid sequence of a Cucurbita phytochrome cDNA clone: identification of conserved features by comparison with Avena phytochrome. Sharrock RA, et al. **Gene** 1986;47(2-3):287–95
Stable non-mutator stocks of maize have sequences homologous to the Mu1 transposable element. Chandler V, et al. **Genetics** 1986 Nov;114(3):1007–21
Molecular-marker-facilitated investigations of quantitative-trait loci in maize. I. Numbers, genomic distribution and types of gene action. Edwards MD, et al. **Genetics** 1987 May;116(1):113–25
Molecular evolution and nucleotide sequences of the maize plastid genes for the alpha subunit of CF1 (atpA) and the proteolipid subunit of CF0 (atpH). Rodermel SR, et al. **Genetics** 1987 May;116(1):127–39
Inheritance of mutator activity in Zea mays as assayed by somatic instability of the bz2-mu1 allele. Walbot V. **Genetics** 1986 Dec;114(4):1293–312
In vitro segregation of marker genes in anther cultures of rice. Reddy VS, et al. **In Vitro Cell Dev Biol** 1987 Jul; 23(7):515–8
The superoxide dismutase-2 gene of maize. Cannon RE, et al. **Isozymes Curr Top Biol Med Res** 1987;14:73–81
Isozyme and HSP gene expression during male gametophyte development in maize. Frova C, et al. **Isozymes Curr Top Biol Med Res** 1987;15:97–120
Comparison of chloroplast and cytosolic Cu/Zn superoxide dismutase isozymes from tomato in relation to superoxide dismutase evolution. Kwiatowski J. **Isozymes Curr Top Biol Med Res** 1987;15:121–39 (64 ref.)
The use of isozyme loci as markers in transferring genes for disease resistance in plants. McMillin DE, et al. **Isozymes Curr Top Biol Med Res** 1987;16:145–55
Plant genetic resources: prediction by isozyme markers and ecology. Nevo E. **Isozymes Curr Top Biol Med Res** 1987; 16:247–67
Mapping of isozyme and protein loci in barley. Nielsen G, et al. **Isozymes Curr Top Biol Med Res** 1987;15:77–95 (60 ref.)
Isozymes in plant breeding. Tsaftaris AS. **Isozymes Curr Top Biol Med Res** 1987;13:103–25
Expression of the Cat2 catalase gene in different cell types of maize. Tsaftaris AS, et al. **Isozymes Curr Top Biol Med Res** 1987;15:63–76 (20 ref.)
F1 heterosis and heterozygosity for isozymic structural loci in maize. Tsaftaris AS, et al. **Isozymes Curr Top Biol Med Res** 1987;16:157–74
Plastid run-on transcription. Application to determine the transcriptional regulation of spinach plastid genes. Deng XW, et al. **J Biol Chem** 1987 Jul 15;262(20):9641–8
In vivo detection of regulatory factor binding sites in the 5' flanking region of maize Adh1. Ferl RJ, et al. **J Biol Chem** 1987 Jun 15;262(17):7947–50
Characterization and sequence analysis of a developmentally regulated putative cell wall protein gene isolated from soybean. Hong JC, et al. **J Biol Chem** 1987 Jun 15; 262(17):8367–76
16th annual UCLA symposium. Abstracts: Plant gene systems and their biology. **J Cell Biochem [Suppl]** 1987;11B:1–65
Inheritance and linkage of isozyme variants in incense-cedar. Harry DE. **J Hered** 1986 Jul-Aug;77(4):261–6
What about R.A. Fisher's statement of the "too good" data of J.G. Mendel's Pisum paper? Weiling F. **J Hered** 1986 Jul-Aug;77(4):281–3
Population dynamics of mutant alleles under maternal effect in plant populations. Yokoyama S, et al. **J Hered** 1986 Jul-Aug;77(4):256–60
Developmental regulation of cytosine methylation in the nuclear ribosomal RNA genes of Pisum sativum. Watson JC, et al. **J Mol Biol** 1987 Jan 5;193(1):15–26
Theoretical mechanisms for synthesis of carcinogen-induced embryonic proteins: XVI. The control of embryonic plant genes and its significance. Hancock RL. **Med Hypotheses** 1986 Nov;21(3):233–9
Cloning and characterization of a linear 2.3 kb mitochondrial plasmid of maize. Bedinger P, et al. **MGG** 1986 Nov; 205(2):206–12
The promoter proximal region in the virD locus of Agrobacterium tumefaciens is necessary for the plant-inducible circularization of T-DNA. Yamamoto A, et al. **MGG** 1987 Jan;206(1):174–7
Molecular cloning of lupin leghemoglobin cDNA. Konieczny A, et al. **Mol Biol Rep** 1987;12(1):61–6
Differential accumulation of plant defense gene transcripts in a compatible and an incompatible plant-pathogen interaction. Bell JN, et al. **Mol Cell Biol** 1986 May; 6(5):1615–23
Complementation of a threonine dehydratase-deficient Nicotiana plumbaginifolia mutant after Agrobacterium tumefaciens-mediated transfer of the Saccharomyces cerevisiae ILV1 gene. Colau D, et al. **Mol Cell Biol** 1987 Jul;7(7):2552–7
Signal peptide specificity in posttranslational processing of the plant protein phaseolin in Saccharomyces cerevisiae. Cramer JH, et al. **Mol Cell Biol** 1987 Jan;7(1):121–8
Upstream sequences required for efficient expression of a soybean heat shock gene. Gurley WB, et al. **Mol Cell Biol** 1986 Feb;6(2):559–65
Isolation of tobacco DNA segments with plant promoter activity. Herman LM, et al. **Mol Cell Biol** 1986 Dec; 6(12):4486–92
Transcriptional activation of plant defense genes by fungal elicitor, wounding, and infection. Lawton MA, et al. **Mol Cell Biol** 1987 Jan;7(1):335–41
Anaerobic treatment of maize roots affects transcription of Adh1 and transcript stability. Rowland LJ, et al. **Mol Cell Biol** 1986 Oct;6(10):3368–72
Targeting of bacterial chloramphenicol acetyltransferase to mitochondria in transgenic plants. Boutry M, et al. **Nature** 1987 Jul 23-29;328(6128):340–2
Sequence of a ribulose 1,5-bisphosphate carboxylase/oxygenase cDNA from the C4 dicot Flaveria trinervia. Adams CA, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1875
Sequence of the chloroplast-encoded psbA gene for the QB polypeptide of petunia [published erratum appears in Nucleic Acids Res 1987 Jan 26;15(2):869] Aldrich J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9536
Sequence of the rbcL gene for the large subunit of ribulose bisphosphate carboxylase-oxygenase from petunia [published erratum appears in Nucleic Acid Res 1987 Jan 26;15(2):865] Aldrich J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9534
Nucleotide sequence of the spinach chloroplast 4.5S ribosomal RNA gene and of its 5'flanking region including the 3' end of the 23S rRNA gene. Audren H, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9533
The nucleotide sequence of a valine accepting tRNA from Lupinus luteus (lupin) seeds. Barciszewska M, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1333
The nucleotide sequences of 5S ribosomal RNAs from two plants: rape and white beet. Barciszewska MZ, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):363
Heterogeneity in the 3'-portion of Papilionaceae 5S rRNAs. The primary structure of alfalfa 5S rRNA. Barciszewska MZ, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):362
Characterization of the barley chloroplast transcription units containing psaA-psaB and psbD-psbC. Berends T, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5217–40
A methionine tRNA gene from lupine mitochondria. Borsuk P, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7508
CpG and TpA frequencies in the plant system. Boudraa M, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5729–37
A catalogue of splice junction and putative branch point sequences from plant introns. Brown JW. **Nucleic Acids Res** 1986 Dec 22;14(24):9549–59
Expression of mRNA electroporated into plant and animal cells. Callis J, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5823–31
Confirmation of the relative expression levels of the Petunia (Mitchell) rbcS genes. Dean C, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4655–68
Nucleotide sequence of a cDNA encoding rbcS from the desert plant Mesembryanthemum crystallinum. DeRocher EJ, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6301
Ramped field inversion gel electrophoresis: a cautionary note. Ellis TH, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5489
Nodulin-26, a peribacteroid membrane nodulin is expressed independently of the development of the peribacteroid compartment. Fortin MG, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):813–24
Sequencing and identification of a cDNA clone for tomato polygalacturonase. Grierson D, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8595–603
A tomato cDNA encoding a biotin-binding protein. Hoffman NE, et al. **Nucleic Acids Res** 1987 May 11;15(9):3928
Structure and expression of an ethylene-related mRNA from tomato. Holdsworth MJ, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):731–9
Several nodulins of soybean share structural domains but differ in their subcellular locations. Jacobs FA, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1271–80
An inspection of the domain between putative TATA box and translation start site in 79 plant genes. Joshi CP. **Nucleic Acids Res** 1987 Aug 25;15(16):6643–53
Plant small nuclear RNAs. III. The complete primary and secondary structure of broad bean U2 RNA: phylogenetic and functional implications. Kiss T, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1332
Sequence of the apocytochrome f gene encoded by the Vicia faba chloroplast genome. Ko K, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2391
Nucleotide sequence of lupin leghemoglobin I cDNA. Konieczny A. **Nucleic Acids Res** 1987 Aug 25;15(16):6742
The sequence of the first exon and part of the intron of the maize plastid encoded rpl 16 locus. McLaughlin WE, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5896
Extensive mitochondrial specific transcription of the Brassica campestris mitochondrial genome. Makaroff CA, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5141–56
Rice chloroplast DNA molecules are heterogeneous as revealed by DNA sequences of a cluster of genes. Moon E, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):611–30
Cloning and expression of a cDNA encoding a maize glutathione-S-transferase in E. coli. Moore RE, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7227–35
Tricircular mitochondrial genomes of Brassica and Raphanus: reversal of repeat configurations by inversion. Palmer JD, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9755–64
The two classes of genes for the major potato tuber protein, patatin, are differentially expressed in tubers and roots. Pikaard CS, et al. **Nucleic Acids Res** 1987 Mar 11; 15(5):1979–94
Nucleotide sequence of the gene for ribosomal protein S11 in pea chloroplast DNA. Purton S, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1873
Toxin resistance and/or male fertility reversion is correlated with defined transcription changes in the 1.5 kb AvaI region of cmsT. Qin J, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6091–103
Nucleotide sequence of the pea chloroplast tRNA-Thr(GGU) gene and flanking regions. Comparison to the Vicia faba sequence. Rasmussen O, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):854
The transcription termination region between two convergently-transcribed photoregulated operons in the maize plastid chromosome contains rps14, trnR (UCU) and a putative trnfM pseudogene. Rodermel S, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5493
Transcription analysis of the maize chloroplast gene for the ribosomal protein S4. Russell D, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1853–67
Location and sequence of the maize chloroplast gene for tRNAser (GCU); a third serine isoaccepting tRNA. Russell D, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):370
A small family of nodule specific genes from soybean. Sandal NN, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1507–19
Comparison of cauliflower mosaic virus 35S and nopaline synthase promoters in transgenic plants. Sanders PR, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1543–58
A binary vector for transferring genomic libraries to plants. Simoens C, et al. **Nucleic Acids Res** 1986 Oct 24; 14(20):8073–90
A nuclear Nicotiana DNA sequence homologous to the 5' half of tRNATyr may have derived from reverse transcription of a pre-tRNA splicing intermediate. Stange N, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5477
A gene for the major cytoplasmic tRNATyr from Nicotiana rustica contains a 13 nucleotides long intron. Stange N, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8691
A novel chlorophyll a/b binding (Cab) protein gene from petunia which encodes the lower molecular weight Cab precursor protein. Stayton MM, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9781–96
The nucleotide sequence and transcription of minicircular mitochondrial DNA's associated with male-fertile and cytoplasmic male-sterile lines of sugarbeet. Thomas CM. **Nucleic Acids Res** 1986 Dec 9;14(23):9353–70
A set of plant expression vectors for transcriptional and translational fusions. Töpfer R, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5890
Complete sequence of 'divided' rps12 (r-protein S12) and rps7 (r-protein S7) gene in soybean chloroplast DNA. von Allmen JM, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2387
Nucleotide sequence analysis of alpha-amylase and thiol

protease genes that are hormonally regulated in barley aleurone cells. Whittier RF, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2515–35

Nucleotide sequence of the spinach chloroplast tRNA(CAALeu) gene and its flanking regions. Zhou DX, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3621

Cloning of cDNA for maize superoxide dismutase 2 (SOD2). Cannon RE, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):179–83

Uptake and expression of bacterial and cyanobacterial genes by isolated cucumber etioplasts. Daniell H, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6349–53

Nucleotide sequence of a preferred maize chloroplast genome template for in vitro DNA synthesis. Gold B, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):194–8

RNA splicing permits expression of a maize gene with a defective Suppressor-mutator transposable element insertion in an exon. Kim HY, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5863–7

Molecular characterization and phylogenetic studies of a wound-inducible proteinase inhibitor I gene in Lycopersicon species. Lee JS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7277–81

Regulation of gene expression by ethylene during Lycopersicon esculentum (tomato) fruit development. Lincoln JE, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2793–7

Characterization of the alpha-tubulin gene family of Arabidopsis thaliana. Ludwig SR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5833–7

Protein import into chloroplasts requires a chloroplast ATPase. Pain D, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3288–92

Chloroplast DNA polymorphisms in lodgepole and jack pines and their hybrids. Wagner DB, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2097–100

The significance of plant transposable elements in biological processes. Schwarz-Sommer Z. **Results Probl Cell Differ** 1987;14:213–21 (46 ref.)

Expression of mouse dihydrofolate reductase gene confers methotrexate resistance in transgenic petunia plants. Eichholtz DA, et al. **Somatic Cell Mol Genet** 1987 Jan; 13(1):67–76

A comparison of internal standards for plant cytophotometry. Berlyn GP, et al. **Stain Technol** 1986 Sep;61(5):297–302

Unstable genes in plants. Cullis CA. **Symp Soc Exp Biol** 1986; 40:77–84 (29 ref.)

Transformation of the genomic expression of plant cells. Davey MR, et al. **Symp Soc Exp Biol** 1986;40:85–120 (116 ref.)

Stability of the determined state. Meins F Jr, et al. **Symp Soc Exp Biol** 1986;40:155–70 (68 ref.)

[Combined effects of ionizing radiation and sodium fluoride on the frequency of somatic mutations in Tradescantia] Cebulska-Wasilewska A, et al. **Folia Med Cracov** 1987; 28(1–2):139–46 (Eng. Abstr.) **(Pol)**

[Use of the measurement of somatic mutation frequency in Tradescantia for determining the mutagenic effect of air pollution] Cebulska-Wasilewska A, et al. **Folia Med Cracov** 1987;28(1–2):131–8 (Eng. Abstr.) **(Pol)**

[A new type of chromosome mutation detected in Tradescantia paludosa microspores during experiments on space crafts] Delone NL, et al. **Dokl Akad Nauk SSSR** 1986;290(4):979–81 **(Rus)**

[High homology of nucleotide sequences of 26S rRNA cistron in Citrus limon and Saccharomyces cerevisiae] Kolosha VO, et al. **Dokl Akad Nauk SSSR** 1986; 290(4):1006–11 **(Rus)**

GROWTH & DEVELOPMENT

Increased synthesis of ajmalicine and catharanthine by cell suspension cultures of Catharanthus roseus in response to fungal culture-filtrates. DiCosmo F, et al. **Appl Biochem Biotechnol** 1987 Mar;14(2):101–6

Do ionic currents play a role in the control of development? Stern CD. **Bioessays** 1986 Apr;4(4):180–4

Developmental strategies of the angiosperm pollen: a biochemical perspective. Raghavan V. **Cell Differ** 1987 Sep; 21(4):213–26 (68 ref.)

Use of an in vitro tuberization system to study tuber protein gene expression. Bourque JE, et al. **In Vitro Cell Dev Biol** 1987 May;23(5):381–6

Triacylglycerol synthesis in developing seeds of groundnut (Arachis hypogaea): lipid accumulation and incorporation of labeled precursors during seed maturation. Ghosh S, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):100–4

Herbicidal effects of geldanamycin and nigericin, antibiotics from Streptomyces hygroscopicus. Heisey RM, et al. **J Nat Prod** 1986 Sep–Oct;49(5):859–65

Translational control of photo-induced expression of the Cat2 catalase gene during leaf development in maize. Skadsen RW, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2785–9

Induction of ELF transmembrane potentials in relation to power-frequency electric field bioeffects in a plant root model system. I. Relationship between applied field strength and cucurbitaceous root growth rates. Brayman AA, et al. **Radiat Environ Biophys** 1986;25(2):141–9

Induction of ELF transmembrane potentials in relation to power-frequency electric field bioeffects in a plant root model system. II. The effect of 60 Hz electric fields on the growth of different regions of the cucurbit root elongation zone. Brayman AA, et al. **Radiat Environ Biophys** 1986;25(2):151–7

The flowering process as an example of plastic development. Bernier G. **Symp Soc Exp Biol** 1986;40:257–86 (60 ref.)

Plastic responses of leaves. Dale JE. **Symp Soc Exp Biol** 1986; 40:287–305 (70 ref.)

Plasticity in shoot development: a biophysical view. Green PB. **Symp Soc Exp Biol** 1986;40:211–32 (26 ref.)

Cellular interactions in tissue and organ development. Sachs T. **Symp Soc Exp Biol** 1986;40:181–210 (86 ref.)

Resource allocation under poor growth conditions. A major role for growth substances in developmental plasticity. Trewavas A. **Symp Soc Exp Biol** 1986;40:31–76 (105 ref.)

IMMUNOLOGY

Sensitivity to Parietaria officinalis and Parietaria judaica pollen allergens in a Spanish population. Dreborg S, et al. **Allergol Immunopathol (Madr)** 1986 Nov–Dec; 14(6):499–508

Standardized extracts, weeds. King TP, et al. **Clin Rev Allergy** 1986 Nov;4(4):425–33 (45 ref.)

Characterization of the carbohydrate moiety of Clerodendron trichotomum lectins. Its structure and reactivity toward plant lectins. Kitagaki-Ogawa H, et al. **Eur J Biochem** 1986 Dec 15;161(3):779–85

Lichens, compositae and photosensitivity. Thune P. **Photodermatol** 1987 Feb;4(1):1–4 (32 ref.)

METABOLISM

Hydroperoxide-dependent sulfoxidation catalyzed by soybean microsomes. Blee E, et al. **Arch Biochem Biophys** 1987 Apr;254(1):43–52

Biosynthesis of the sesquiterpene patchoulol from farnesyl pyrophosphate in leaf extracts of Pogostemon cablin (patchouli): mechanistic considerations. Croteau R, et al. **Arch Biochem Biophys** 1987 Jul;256(1):56–68

Monitoring of hypoxic metabolism in superfused plant tissues by in vivo 1H NMR. Fan TW, et al. **Arch Biochem Biophys** 1986 Dec;251(2):674–87

Photorespiration stoichiometry in leaves estimated by combined physical and stereochemical methods: allowance for isomerase-catalyzed 3H losses in ribulose bisphosphate regeneration. Hanson KR, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):591–605

Metabolism of monoterpenes: demonstration of the hydroxylation of (+)-sabinene to (+)-cis-sabinol by an enzyme preparation from sage (Salvia officinalis) leaves. Karp F, et al. **Arch Biochem Biophys** 1987 Jul;256(1):179–93

Lipid composition of plasma membranes isolated from light-grown barley (Hordeum vulgare) leaves: identification of cerebroside as a major component. Rochester CP, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):385–91

Movement and transformation of 1,3-dichloropropene in the soil of flower-bulb fields. van der Pas LJ, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):417–22

Regulation of starch synthesis: enzymological and genetic studies. Preiss J, et al. **Basic Life Sci** 1987;41:133–52

GTP-binding protein(s) in green plant, Lemna paucicostata. Hasunuma K, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):908–12

Photosynthetic action spectra of the energy storage in bundle sheath cells of Zea mays. Popovic R, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):198–202

Auxin-regulated changes in protein phosphorylation in pea epicotyls. Reddy AS, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):944–50

Glycerol metabolism in higher plants: glycerol kinase. Sadava D, et al. **Biochem Biophys Res Commun** 1987 Mar 30; 143(3):977–83

Effects of abscisic acid on K+ channels in Vicia faba guard cell protoplasts. Schauf CL, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):284–90

Identification of the phosphate-translocator from maize mesophyll chloroplasts. Thompson AG, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):164–9

Pyrophosphate-dependent sucrose metabolism and its activation by fructose 2,6-bisphosphate in sucrose importing plant tissues. Xu DP, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):440–5

The thylakoid membranes of higher plant chloroplasts. Gounaris K, et al. **Biochem J** 1986 Jul 15;237(2):313–26 (156 ref.)

Plant cell cloning and culture products. Jones LH. **Biochem Soc Symp** 1983;48:221–32 (32 ref.)

Binding of amines to the O2-evolving center of photosystem II. Beck WF, et al. **Biochemistry** 1986 Oct 21; 25(21):6479–86

Effect of the 17- and 23-kilodalton polypeptides, calcium, and chloride on electron transfer in photosystem II. de Paula JC, et al. **Biochemistry** 1986 Oct 21;25(21):6487–94

Differential scanning calorimetric studies of photosystem II: evidence for a structural role for cytochrome b559 in the oxygen-evolving complex. Thompson LK, et al. **Biochemistry** 1986 Oct 7;25(20):6161–9

Redox reactions of tonoplast and plasma membranes isolated from soybean hypocotyls by free-flow electrophoresis. Barr R, et al. **Biochim Biophys Acta** 1986 Dec 3; 852(2–3):254–61

Electron-spin resonance studies of the bound iron-sulfur centers in Photosystem I. II. Correlation of P-700 triplet production with urea/ferricyanide inactivation of the iron-sulfur clusters. Warden JT, et al. **Biochim Biophys Acta** 1987 May 6;891(3):286–92

Interaction of the alpha-mannosidase from Canavalia ensiformis with the lectin from the same plant, concanavalin A. Einhoff W, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):943–9

Chlorinated pesticides and plant foliage: translocation experiments. Bacci E, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):850–7

Toxicity and bioaccumulation of cadmium in experimental cultures of duckweed, Lemna polyrrhiza L. Charpentier S, et al. **Bull Environ Contam Toxicol** 1987 Jun; 38(6):1055–61

Effects of chlorophenols on isolated class A chloroplasts and thylakoids: a QSAR study. Tissut M, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):32–42

The primary structure of spinach-leaf phospholipid-transfer protein. Bouillon P, et al. **Eur J Biochem** 1987 Jul 15; 166(2):387–91

Energy dependence of protein translocation into chloroplasts. Flügge UI, et al. **Eur J Biochem** 1986 Nov 3;160(3):563–70

Comparison of galactolipase activity and free fatty acid levels in chloroplasts of chill-sensitive and chill-resistant plants. Gemel J, et al. **Eur J Biochem** 1987 Jul 1;166(1):229–33

Biosynthesis of 1-alkenes in higher plants. A model study with the composite Carthamus tinctorius L. Ney P, et al. **Eur J Biochem** 1987 Jan 2;162(1):203–11

Control of ribosome biosynthesis in plant cell cultures under heat-shock conditions. Ribosomal RNA. Nover L, et al. **Eur J Biochem** 1986 Oct 15;160(2):297–304

Differential response of cultured parsley cells to elicitors from two non-pathogenic strains of fungi. Microsomal conversion of (+)marmesin into psoralen. Wendorff H, et al. **Eur J Biochem** 1986 Dec 1;161(2):391–8

Aberrant, canavanyl protein formation and the ability to tolerate or utilize L-canavanine. Rosenthal GA, et al. **Experientia** 1987 May 15;43(5):558–61

Phosphorylation of spinach chlorophyll-protein complexes. CPII, but not CP29, CP27, or CP24, is phosphorylated in vitro. Dunahay TG, et al. **FEBS Lett** 1987 May 4; 215(1):25–30

Inhibition of mitochondrial electron transport and energy transduction by lutein in vitro. Chaturvedi VK, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):156–61

Molecular analysis of cucurbitaceae genomes: Part IV—Homologies among repeated DNA sequences. Lagu M, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):167–70

Changes in net CO2 assimilation in wheat seedlings grown in presence of BASF 13.338 (4-chloro-5-dimethylamino-2-phenyl-3-(2H)= pyridazinone). Mannan RM, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):114–8

Heat-induced alteration in electron donation site(s) of ascorbate and ascorbate-reduced catechol in the electron transport chain of Amaranthus chloroplasts. Sabat SC, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):266–9

Evidence for the discrete synthesis of poly A+ RNA and new polypeptides in gamma-irradiated potato bud tissue in comparison with wounding-induced synthesis. Ussuf KK, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):162–6

Inositol 1,4,5-trisphosphate induced calcium release from corn coleoptile microsomes. Reddy AS, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):569–73

Identification of a new protein synthesis initiation factor from wheat germ. Browning KS, et al. **J Biol Chem** 1987 Jan 15;262(2):538–41

Import of proteins into chloroplasts. Membrane integration of a thylakoid precursor protein reconstituted in chloroplast lysates. Cline K. **J Biol Chem** 1986 Nov 5;261(31):14,504–10

Biosynthesis of monoterpenes. Enantioselectivity in the enzymatic cyclization of (+)- and (-)-linalyl pyrophosphate to (+)- and (-)-bornyl pyrophosphate. Croteau R, et al. **J Biol Chem** 1986 Oct 15;261(29):13438–45

Effects of permeant buffers on the initiation of photosynchronous phosphorylation and postillumination phosphorylation in chloroplasts. Horner RD, et al. **J Biol Chem** 1986 Oct 15;261(29):13408–14

Biochemical changes during sucrose deprivation in higher plant cells. Phosphorus-31 nuclear magnetic resonance studies. Roby C, et al. **J Biol Chem** 1987 Apr 15; 262(11):5000–7

Sizes of Mn-binding sites in spinach thylakoids. Takahashi M, et al. **J Biol Chem** 1986 Dec 25;261(36):16923–6

Chloroplast biogenesis. Demonstration of the monovinyl and divinyl monocarboxylic routes of chlorophyll biosynthesis in higher plants. Tripathy BC, et al. **J Biol Chem** 1986 Oct 15;261(29):13556–64

The kinetics of the reactions of Parasponia andersonii hemoglobin with oxygen, carbon monoxide, and nitric oxide. Wittenberg JB, et al. **J Biol Chem** 1986 Oct 15; 261(29):13624–31

16th annual UCLA symposium. Abstracts: Plant membranes: structure, function, biogenesis. **J Cell Biochem [Suppl]** 1987; 11B:69–95

Studies on water hyacinth as a biological filtre for treating contaminants from agricultural wastes and industrial effluents. Jamil K, et al. **J Environ Sci Health [B]** 1987; 22(1):103–12

Localization of calcium in roots and microsomal membranes of corn by direct pyroantimonate precipitation. Vaughan MA, et al. **J Histochem Cytochem** 1987 Jul;35(7):781–8

Taxol and derivatives: a biogenetic hypothesis. Guéritte-Voegelein F, et al. **J Nat Prod** 1987 Jan-Feb; 50(1):9-18

Transfer of gaseous iodine to rice plants. Nakamura Y, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):171-82

Immobilization of microbial cells on transition metal-activated supports. Cabral JM, et al. **Methods Enzymol** 1987;135:357-72

Enzymatic synthesis of plant oligoadenylates in vitro. Devash Y, et al. **Methods Enzymol** 1986;119:752-8

Gel entrapment of whole cells in cross-linked prepolymerized polyacrylamide-hydrazide gels. Freeman A. **Methods Enzymol** 1987;135:216-22

Entrapment of microbial and plant cells in beaded polymers. Nilsson K, et al. **Methods Enzymol** 1987;135:222-30

Identification and molecular weight of SP1 synthesized from mRNA of human placenta in a wheat germ cell-free system. Bocco JL, et al. **Mol Biol Rep** 1987;12(1):55-9

Mutagenicity of selected aniline derivatives to Salmonella following plant activation and mammalian hepatic activation. Gentile JM, et al. **Mutat Res** 1987 Jul; 188(3):185-96

The biosynthesis of carotenoids. Harrison DM. **Nat Prod Rep** 1986 Jun;3(3):205-15 (88 ref.)

In vitro processing of a plant pre-mRNA in a HeLa cell nuclear extract. Hartmuth K, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7513-28

Biotransformation of hyoscyamine by suspension cultures of Anisodus tanguticus. Cheng KD, et al. **Planta Med** 1987 Apr;53(2):211-3

Magnetic resonance microscopy of changes in water content in stems of transpiring plants. Johnson GA, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2752-5

Response of two pea hybrids to CO_2 enrichment: a test of the energy overflow hypothesis for alternative respiration. Musgrave ME, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8157-61

Effects of the sesquiterpene lactone tetraesters thapsigargicin and thapsigargin, from roots of Thapsia garganica L., on isolated spinach chloroplasts. Santarius KA, et al. **Toxicon** 1987;25(4):389-99

Comparative aspects of herbicide metabolism. Esser HO. **Xenobiotica** 1986 Oct-Nov;16(10-11):1031-45 (102 ref.)

[Nickel: elements in the aquatic environment. I. Biotic and abiotic systems] Atri FR. **Schriftenr Ver Wasser Boden Lufthyg** 1987;73:1-316 (300 ref.) **(Ger)**

MICROBIOLOGY

Effect of some new crown ethers on plant-related bacteria and their possible mode of action. Oros G, et al. **Acta Microbiol Hung** 1986;33(2):117-23

Time required for tumor induction by Agrobacterium tumefaciens. Sykes LC, et al. **Appl Environ Microbiol** 1986 Sep;52(3):597-8

Initial interactions of Agrobacterium tumefaciens with plant host cells. Matthysse AG. **CRC Crit Rev Microbiol** 1986; 13(3):281-307 (95 ref.)

Taxonomy of cucurbit-infecting tobamoviruses as determined by serological and molecular hybridization analyses. Francki RI, et al. **Intervirology** 1986;26(3):156-63

Molecular cloning of virulence genes from Erwinia stewartii. Coplin DL, et al. **J Bacteriol** 1986 Nov;168(2):619-23

Cloning of Rhizobium leguminosarum genes for competitive nodulation blocking on peas. Dowling DN, et al. **J Bacteriol** 1987 Mar;169(3):1345-8

Agrobacterium tumefaciens-mediated transformation of the monocot genus Gladiolus: detection of expression of T-DNA-encoded genes. Graves AC, et al. **J Bacteriol** 1987 Apr;169(4):1745-6

Location of the right boundary of the virulence region on Agrobacterium tumefaciens plasmid pTiC58 and a host-specifying gene next to the boundary. Hirooka T, et al. **J Bacteriol** 1986 Oct;168(1):237-43

Effects of Rhizobium meliloti nif and fix mutants on alfalfa root nodule development. Hirsch AM, et al. **J Bacteriol** 1987 Mar;169(3):1137-46

Regulation of expression of glutamine synthetase in a symbiotic Nostoc strain associated with Anthoceros punctatus. Joseph CM, et al. **J Bacteriol** 1987 Jun; 169(6):2471-5

Gene cluster of Pseudomonas syringae pv. "phaseolicola" controls pathogenicity of bean plants and hypersensitivity of nonhost plants [published erratum appears in J Bacteriol in 1987 Feb;169(2):928] Lindgren PB, et al. **J Bacteriol** 1986 Nov;168(2):512-22

Biosynthesis and degradation of nodule-specific Rhizobium loti compounds in Lotus nodules. Scott DB, et al. **J Bacteriol** 1987 Jan;169(1):278-82

Molecular characterization of a host-range-determining locus from Agrobacterium tumefaciens. Yanofsky MF, et al. **J Bacteriol** 1986 Oct;168(1):244-50

Hemagglutinating activity in phytopathogenic bacteria surface compounds. Serra MT, et al. **J Basic Microbiol** 1987;27(3):147-53

Detection and identification of plant viruses by ELISA using crude sap extracts and unfractionated antisera. Mowat WP, et al. **J Virol Methods** 1987 Feb;15(3):233-47

Production, preparation, and assay of an antiviral substance from plant cells. Gera A, et al. **Methods Enzymol** 1986; 119:729-34

Preparation and measurement of an antiviral protein found in tobacco cells after infection with tobacco mosaic virus. Sela I. **Methods Enzymol** 1986;119:734-44

Synthesis and localization of pathogenesis-related proteins in tobacco. Carr JP, et al. **Mol Cell Biol** 1987 Apr; 7(4):1580-3

Molecular characterisation of subgenomic single-stranded and double-stranded DNA forms isolated from plants infected with tomato golden mosaic virus. MacDowell SW, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7967-84

Conservation of plasmids among plant-pathogenic Pseudomonas syringae isolates of diverse origins. von Bodman SB, et al. **Plasmid** 1987 May;17(3):240-7

[Electron microscopic autoradiography of X-bodies associated with caulimovirus group infection] Fujisawa I, et al. **Uirusu** 1972 Sep;22(3):136-8 **(Jpn)**

PHYSIOLOGY

Belgian Association of Plant Physiology. Anterwerp, 21 November 1986. Abstracts. **Arch Int Physiol Biochim** 1987 Mar;95(1):PP1-27

Oxidation of cell wall polysaccharides by hydrogen peroxide: a potential mechanism for cell wall breakdown in plants. Miller AR. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):238-44

Infrared spectroscopic evidence for a conformational alteration of plant plasma membranes upon exposure to the growth hormone analog, 2,4-dichlorophenoxyacetic acid. Morré DJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):506-12

Acid-shock, aluminium, and presence of Sphagnum aurantiacum: effects on embryological development in the common frog, Rana temporaria and the moor frog, Rana arvalis. Olsson M, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):37-44

Molecular interactions in the membrane phase: implications in biotechnology. Sitaramam V, et al. **Indian J Exp Biol** 1986 Oct;24(10):615-23 (54 ref.)

Facts and fancies on how plants oxidize water. **J Bioenerg Biomembr** 1987 Apr;19(2):91-189

The tetranuclear manganese complex of Photosystem II. Brudvig GW. **J Bioenerg Biomembr** 1987 Apr;19(2):91-104 (75 ref.)

Electron transfer in the water-oxidizing complex of Photosystem II. Dekker JP, et al. **J Bioenerg Biomembr** 1987 Apr;19(2):125-42 (98 ref.)

The relations between the chloride, calcium, and polypeptide requirements of photosynthetic water oxidation. Homann PH. **J Bioenerg Biomembr** 1987 Apr;19(2):105-23 (110 ref.)

Calcium-binding proteins in fungi and higher plants. Moreau RA. **J Dairy Sci** 1987 Jul;70(7):1504-12 (67 ref.)

Plant cells at different stages in their growth curve differentially activate promutagens. Gentile JM, et al. **Mutat Res** 1987 Jul-Aug;191(3-4):151-5

Physiological roles of calcium in light-induced gravitropism in Zea primary roots. Miyazaki A, et al. **Physiologist** 1987 Feb;30(1 Suppl):S141-2

A special group of ultradian oscillations. Koukkari WL, et al. **Prog Clin Biol Res** 1987;227A:29-33

Stomatal aperture oscillations of Abutilon theophrasti Medic. and Hordeum vulgare L. examined by three techniques. Nixon EH, et al. **Prog Clin Biol Res** 1987;227A:67-79

Why are so many biological systems periodic? Rapp PE. **Prog Neurobiol** 1987;29(3):261-73 (120 ref.)

A rapid fluorescence method for observing phloem regeneration in Coleus blumei. Prazak JA, et al. **Stain Technol** 1987 Jul;62(4):276-8

The role of electrical phenomena in tip growth, with special reference to the developmental plasticity of filamentous fern gametophytes. Cooke TJ, et al. **Symp Soc Exp Biol** 1986;40:307-28 (64 ref.)

The ecological significance of plasticity. Grime JP, et al. **Symp Soc Exp Biol** 1986;40:5-29 (73 ref.)

RADIATION EFFECTS

Radiation hormesis in plants. Miller MW, et al. **Health Phys** 1987 May;52(5):607-16 (207 ref.)

ULTRASTRUCTURE

Selective production of sealed plasma membrane vesicles from red beet (Beta vulgaris L.) storage tissue. Giannini JL, et al. **Arch Biochem Biophys** 1987 May 1;254(2):621-30

Air pollution effects on the ultrastructure of Phlomis fruticosa mesophyll cells. Psaras GK, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):610-7

Multinucleate plant cells. III. Nuclear aneuploidy and mitotic behavior. Hervás JP. **Exp Cell Res** 1987 Aug;171(2):436-47

Autoradiographic, ultrastructural and interferometric analyses of the temperature effect on the synthesis and migration of ribosomes in root meristem cells of Helianthus annuus L. relation to S phase initiation. Olszewska MJ, et al. **Folia Histochem Cytobiol** 1987;25(1):69-77

Immunological evidence for gap junction polypeptide in plant cells. Meiners S, et al. **J Biol Chem** 1987 Jan 25; 262(3):951-3

Absence of heat shock protein synthesis in isolated mitochondria and plastids from maize. Nieto-Sotelo J, et al. **J Biol Chem** 1987 Sep 5;262(25):12288-92

Inositol 1,4,5-trisphosphate releases Ca2+ from vacuolar membrane vesicles of oat roots. Schumaker KS, et al. **J Biol Chem** 1987 Mar 25;262(9):3944-6

Immunogold electron microscopy of phytochrome in Avena: identification of intracellular sites responsible for phytochrome sequestering and enhanced pelletability. McCurdy DW, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2541-50

A new preparation method for extraction experiments in scanning electron microscopy. Maruyama K, et al. **J Electron Microsc (Tokyo)** 1987;36(1-2):50-3

Gold labeling of microtubules in cleaved whole mounts of cortical root cells. Traas JA, et al. **J Histochem Cytochem** 1986 Nov;34(11):1501-4

A method for staining pollen tubes in pistil. Alexander MP. **Stain Technol** 1987 Mar;62(2):107-12

A quick enzyme squash technique for detailed studies on female meiosis in Solanum. Jongedijk E. **Stain Technol** 1987 May;62(3):135-41

Alkaline bismuth stain as a tracer for Golgi vesicles of plant cells. Park P, et al. **Stain Technol** 1987 Jul;62(4):253-6

PLANTS, EDIBLE

Thyroid function in a cassava-eating population affected by epidemic spastic paraparesis. Cliff J, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):523-8

Salsolinol in urine following chocolate consumption by social drinkers. Hirst M, et al. **Alcohol Drug Res** 1987; 7(5-6):493-501

Fine biogenic silica fibres in sugar cane: a possible hazard. Newman RH. **Ann Occup Hyg** 1986;30(3):365-70

The effect of fluoridated chocolate-flavored milk on caries incidence in elementary school children: two and three-year studies. Legett BJ Jr, et al. **ASDC J Dent Child** 1987 Jan-Feb;54(1):18-21

Lower postprandial plasma glucose and insulin after addition of Acacia coriacea flour to wheat bread. Thorburn AW, et al. **Aust NZ J Med** 1987 Feb;17(1):24-6

Effects of 60-Hz electric fields on cellular elongation and radial expansion growth in cucurbit roots. Brayman AA, et al. **Bioelectromagnetics** 1987;8(1):57-72

Influence of the consumption frequency of filled chocolate products on the demineralization of human enamel in vivo. A microhardness and microradiographic investigation. van Herpen BP, et al. **Caries Res** 1986;20(6):529-33

Capsicum--production, technology, chemistry, and quality. Part IV. Evaluation of quality. Govindarajan VS, et al. **CRC Crit Rev Food Sci Nutr** 1987;25(3):185-282 (148 ref.)

Processing and preserving traditional plant foods in Zambia. Chishya BE. **Food Nutr (Roma)** 1986;12(1):45-9

A note on traditional food plants in East Africa: their value for nutrition and agriculture. Gura S. **Food Nutr (Roma)** 1986;12(1):18-26

Broadening the food base in Africa: the potential of traditional food plants. Okigbo BN. **Food Nutr (Roma)** 1986; 12(1):4-17

Human carcinogenic risk in the use of bracken fern. Hirono I. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:139-45 (30 ref.)

Sweets, chocolate, and atypical depressive traits. Schuman M, et al. **J Nerv Ment Dis** 1987 Aug;175(8):491-5

Ankle clonus correlating with cyanide intake from cassava in rural children from Mozambique. Cliff J, et al. **J Trop Pediatr** 1986 Aug;32(4):186-9

Absence of diabetes in a rural West African population with a high carbohydrate/cassava diet. Teuscher T, et al. **Lancet** 1987 Apr 4;1(8536):765-8

Effects of the addition of vegetable oil or animal tallow to broiler diets containing cassava root meal. Gomez G, et al. **Poult Sci** 1987 Apr;66(4):725-31

[Pathogenesis and clinical aspects of allergic processes induced by food] Romański B. **Folia Med Cracov** 1986; 27(3-4):317-34 (Eng. Abstr.) **(Pol)**

[Protein concentrate of the manioc leaf. Extraction, chemical analyses and supplementation with amino acids] Salgado JM, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):483-94 (Eng. Abstr.) **(Por)**

[Technological improvement of the production of cachiri, a fermented beverage made from cassava (Manihot esculenta Crantz) of indigenous origin] Carrizales V, et al. **Acta Cient Venez** 1986;37(3):318-24 (Eng. Abstr.) **(Spa)**

[Energy value of cassava leaves in the feeding of chickens] Cioccia AM, et al. **Acta Cient Venez** 1986;37(1):83-8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Toxicity of Iceland lichen and reindeer lichen. Airaksinen MM, et al. **Arch Toxicol [Suppl]** 1986;9:406-9

In vitro estimation of iron availability from a range of plant foods: influence of phytate, ascorbate and citrate. Hazell T, et al. **Br J Nutr** 1987 Mar;57(2):223-33

Isolation, purification and some properties of a potential cariostatic factor in cocoa that lowers enamel solubility. 's-Gravenmade EJ, et al. **Caries Res** 1986;20(5):433-6

Ascorbic acid content of neotropical plant parts available to wild monkeys and bats. Milton K, et al. **Experientia** 1987 Mar 15;43(3):339-42

Effect of cyanogenic glycosides and protein content in cassava diets on hamster prenatal development. Frakes RA, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):191-8

Simultaneous extraction and quantitation of several bioactive amines in cheese and chocolate. Baker GB, et al. **J Chromatogr** 1987 Apr 17;392:317-31

High-performance liquid chromatographic determination of the mycotoxins patulin, penicillic acid, zearalenone and

sterigmatocystin in artificially contaminated cocoa beans. Hurst WJ, et al. **J Chromatogr** 1987 Apr 17;392:389–96

Toxicity of plant material used as emergency food during famines in Finland. Airaksinen MM, et al. **J Ethnopharmacol** 1986 Dec;18(3):273–96

Chemistry of plant cell walls and dietary fibre. Selvendran RR. **Scand J Gastroenterol [Suppl]** 1987;129:33–41 (53 ref.)

[Manioc starch: an excipient used in tableting] Siregar C, et al. **J Pharm Belg** 1986 May–Jun;41(3):139–46 (Eng. Abstr.) **(Fre)**

[Effect of pollutant emissions from a copper plant on the level of mercury in plant food products] Ilow R, et al. **Rocz Panstw Zakl Hig** 1986;37(6):494–7 (Eng. Abstr.) **(Pol)**

METABOLISM

Digestibility of boiled and oven–dried cassava in infants and small children. Morales E, et al. **J Nutr** 1987 Jan; 117(1):129–32

Sulfate metabolism. I. Sulfate uptake and redistribution of acid rain sulfate by edible plants. Dallam RD. **Life Sci** 1987 Mar 23;40(12):1147–54

[Hygienic evaluation of the use of growth–stimulating additives during the feeding of domesticated animals] Arbuzov EV, et al. **Gig Sanit** 1987 Mar;(3):84–5 **(Rus)**

[Mutagenic properties if lead entering the body in its plant–biotransformed form] Maganova NB. **Vopr Pitan** 1987 Mar–Apr;(2):53–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Anaerobes in relation to foods of plant origin. Lund BM. **Soc Appl Bacteriol Symp Ser** 1986;13:351–72 (125 ref.)

[Characteristics of the formation of a microbial complex in the nutrient solutions of higher plants after the use of straw mineralization products] Drugova NA, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):81–5 (Eng. Abstr.) **(Rus)**

PLANTS, MEDICINAL

see related
ALKALOIDS
MEDICINE, HERBAL
PHARMACOGNOSY

Studies on the activity of individual plants of an antidiabetic plant mixture. Al–Awadi FM, et al. **Acta Diabetol Lat** 1987 Jan–Mar;24(1):37–41

Inhibition by plant herb extracts of steroid bindings in uterus, liver and serum of the rabbit. Tamaya T, et al. **Acta Obstet Gynecol Scand** 1986;65(8):839–42

Antiviral alkaloid in Chelidonium majus L. Kéry A, et al. **Acta Pharm Hung** 1987 Mar;57(1–2):19–25

Toxicity of medicinal herbal preparations. Saxe TG. **Am Fam Physician** 1987 May;35(5):135–42

Hemodynamic effects of "san–huang–hsieh–hsin–tang" in patients with essential hypertension. Chen HC, et al. **Am J Chin Med** 1986;14(3–4):153–6

The antiarrhythmic effects of Sophora flavescens Ait. in rats and mice. Dai S, et al. **Am J Chin Med** 1986;14(3–4):119–23

Successful treatment of complete left bundle branch block complicating acute viral myocarditis employing Chinese herbs. Kuo C. **Am J Chin Med** 1986;14(3–4):124–30

Cardiovascular pharmacology of Panax notoginseng (Burk) F.H. Chen and Salvia miltiorrhiza. Lei XL, et al. **Am J Chin Med** 1986;14(3–4):145–52

Opuntia streptacantha: a coadjutor in the treatment of diabetes mellitus. Meckes–Lozyoa M, et al. **Am J Chin Med** 19[illegible]14(3–4):116–8

Wen–jing–tang, a traditional Chinese herbal medicine increases luteinizing hormone release in vitro. Miyake A, et al. **Am J Chin Med** 1986;14(3–4):157–60

Effects of hachimijiogan, tokishakuyakusan and keishibukuryogan on estrogen and progesterone secretions by rat preovulatory follicles. Usuki S. **Am J Chin Med** 1986; 14(3–4):161–70

Experimentally induced Cassia roemeriana poisoning in cattle and goats. Rowe LD, et al. **Am J Vet Res** 1987 Jun; 48(6):992–7

Studies on the mechanism of "hypoglycemic" effect of nopal (Opuntia sp.). Frati–Munari AC, et al. **Arch Invest Med (Mex)** 1987 Jan–Mar;18(1):7–12 **(Eng, Spa)**

Modifications of serum lipoprotein cholesterol with Guatteria gaumeri. Sánchez–Reséndiz J, et al. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):359–65 **(Eng, Spa)**

Lowering of serum cholesterol by Temoe Lawak Singer, a Curcuma mixture. Beynen AC. **Artery** 1987;14(4):190–7

Epstein–Barr virus early antigen induction in nasopharyngeal hybrid cells by Chinese medicinal herbs. Furukawa M, et al. **Auris Nasus Larynx** 1986;13(2):101–5

Blue heliotrope (Heliotropium amplexicaule) poisoning in cattle. Ketterer PJ, et al. **Aust Vet J** 1987 Apr;64(4):115–7

Pyrrolizidine alkaloid poisoning of sheep in New South Wales. Seaman JT. **Aust Vet J** 1987 Jun;64(6):164–7

Centella asciatica linn (Thankuni) in the treatment of leprosy. Ali SM, et al. **Bangladesh Med Res Counc Bull** 1986 Dec; 12(2):74–7

Reducing the genotoxic damage in the oral mucosa of betel quid/tobacco chewers. Stich HF. **Basic Life Sci** 1986; 39:381–91

The medicinal plants in our time. Capasso F. **Boll Chim Farm** 1986 Sep;125(9):322–7

The continuous autofluorescent hydrophobic barrier in dormant Melilotus alba seeds. Riggio Bevilacqua L, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):837–43

Nitrosation products from the plant Ephedra altissima and their potential endogenous formation. Tricker AR, et al. **Cancer Lett** 1987 May;35(2):199–206

3–(Methylnitrosamino)propionitrile: occurrence in saliva of betel quid chewers, carcinogenicity, and DNA methylation in F344 rats. Prokopczyk B, et al. **Cancer Res** 1987 Jan 15;47(2):467–71

Studies on active substances in herbs used for oketsu ("stagnant blood") in Chinese medicine. VI. On the anticoagulative principle in paeoniae radix. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):849–52

Studies on active substances in herbs used for oketsu ("stagnant blood") in Chinese medicine. V. On the anticoagulative principle in moutan cortex. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):846–8

Studies on antihemorrhagic substances in herbs classified as hemostatics in Chinese medicine. VII. On the antihemorrhagic principle in Cirsium japonicum DC. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):861–4

Studies on antihemorrhagic substances in herbs classified as hemostatics in Chinese medicine. VI. On the antihemorrhagic principle in Sophora japonica L. Ishida H, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):857–60

Inhibitors of adenosine 3',5'–cyclic monophosphate phosphodiesterase in Daphne genkwa Sieb. et Zucc. Nikaido T, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb; 35(2):675–81

Effect of extracts obtained from rhubarb in rats with chronic renal failure. Yokozawa T, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4718–23

Radix Tripterygium Wilfordii Hook F in rheumatoid arthritis, ankylosing spondylitis and juvenile rheumatoid arthritis. Gao ZG, et al. **Chin Med J [Engl]** 1986 Apr; 99(4):317–20

Comparative study of schizophrenia treatment with electroacupuncture, herbs and chlorpromazine. Zhang LD, et al. **Chin Med J [Engl]** 1987 Feb;100(2):152–7

Microcirculation in chronic viral hepatitis: clinical observation and treatment with traditional Chinese medicine. Zhang QB, et al. **Chin Med J [Engl]** 1986 Aug; 99(8):660–4

Concentrations of morphine and codeine in serum and urine after ingestion of poppy seeds. Hayes LW, et al. **Clin Chem** 1987 Jun;33(6):806–8

Important Chinese herbal remedies. Ding GS. **Clin Ther** 1987; 9(4):345–57

Precancerous and other oral mucosal lesions related to chewing, smoking and drinking habits in Thailand. Reichart PA, et al. **Community Dent Oral Epidemiol** 1987 Jun; 15(3):152–60

Oral administration of a water extract of Phytolacca dodecandra l'herit in mice—effects on reproduction. Mamo E, et al. **Contraception** 1987 Feb;35(2):155–61

Xiaoke, a traditional Chinese treatment for diabetes. Studies in streptozotocin diabetic mice and spontaneously diabetic BB/E rats. Bailey CJ, et al. **Diabetes Res** 1987 Jan;4(1):15–8

Traditional plant remedies for diabetes [letter] Bailey CJ, et al. **Diabetic Med** 1986 Mar;3(2):185–6

Lymphocutaneous sporotrichosis. Satta S. **Hawaii Med J** 1987 Apr;46(4):124, 127

A comparison between effects of pyruvate and herb medicines in preventing experimental oxalate urolithiasis in rats. Ogawa Y, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1127–33

The antidiabetic activity of aloes: preliminary clinical and experimental observations. Ghannam N, et al. **Horm Res** 1986;24(4):288–94

A study on parotid gland tumor induced in Swiss mice by tanin containing fraction of betelnut. Gothoskar SV, et al. **Indian J Exp Biol** 1986 Apr;24(4):229–31

Effect of long term feeding of tulsi(Ocimum sanctum Linn) on reproductive performance of adult albino rats. Khanna S, et al. **Indian J Exp Biol** 1986 May;24(5):302–4

Diuretic effect of Aerua lanata with water, normal saline and coriander as controls. Udupihille M, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar;30(1):91–7

Immunopharmacological studies of wen–qing–yin, a Chinese blended medicine: effects on type IV allergic reactions and humoral antibody production. Koda A, et al. **Int J Immunopharmacol** 1987;9(3):289–95

Beta–trichosanthin: a new abortifacient protein from the Chinese drug, wangua, Trichosanthes cucumeroides. Yeung HW, et al. **Int J Pept Protein Res** 1987 Mar; 29(3):289–92

Aloe vera and wound healing. Davis RH, et al. **J Am Podiatr Med Assoc** 1987 Apr;77(4):165–9

Cassia occidentalis toxicosis in growing pigs. Colvin BM, et al. **J Am Vet Med Assoc** 1986 Aug 15;189(4):423–6

A comparison of the treatment of hypertension with Chinese herbal and Western medication. Black HR, et al. **J Clin Hypertens** 1986 Dec;2(4):371–8

Screening Azadirachta indica and Pisum sativum for possible antimalarial activities. Abatan MO, et al. **J Ethnopharmacol** 1986 Jul;17(1):85–93

A survey of prescriptions used in traditional medicine in Gondar region, northwestern Ethiopia: general pharmaceutical practice. Abebe W. **J Ethnopharmacol** 1986 Nov;18(2):147–65

Ethno–medicinal uses of plants growing in the Bulandshahr district of northern India. Alam MM, et al. **J Ethnopharmacol** 1987 Jan–Feb;19(1):85–8

Immunomodulating agents of plant origin. I: Preliminary screening. Atal CK, et al. **J Ethnopharmacol** 1986 Nov; 18(2):133–41

In vivo activity of an extract of Pavetta owariensis bark on experimental Schistosoma mansoni infection in mice. Baldé AM, et al. **J Ethnopharmacol** 1986 Nov;18(2):187–92

Pharmacology of lemongrass (Cymbopogon citratus Stapf). I. Effects of teas prepared from the leaves on laboratory animals. Carlini EA, et al. **J Ethnopharmacol** 1986 Jul; 17(1):37–64

Plant–derived alkaloids active against Trypanosoma cruzi. Cavin JC, et al. **J Ethnopharmacol** 1987 Jan–Feb; 19(1):89–94

Traditional medicine of Baja California Sur (Mexico). I. Dimayuga RE, et al. **J Ethnopharmacol** 1986 Aug; 17(2):183–93

Nigerian flora and its pharmaceutical potential. Gbile ZO, et al. **J Ethnopharmacol** 1987 Jan–Feb;19(1):1–16 (59 ref.)

Nigerian folk medicine: practices and beliefs of the Ondo people. Gill LS, et al. **J Ethnopharmacol** 1986 Dec; 18(3):257–66

Effects of five kampohozais on the mitogenic activity of lipopolysaccharide, concanavalin A, phorbol myristate acetate and phytohemagglutinin in vivo. Iwama H, et al. **J Ethnopharmacol** 1986 Nov;18(2):193–204

Investigation of Grewia bicolor Juss. Jaspers MW, et al. **J Ethnopharmacol** 1986 Sep;17(3):205–11

Pharmacology of lemongrass (Cymbopogon citratus Stapf). III. Assessment of eventual toxic, hypnotic and anxiolytic effects on humans. Leite JR, et al. **J Ethnopharmacol** 1986 Jul;17(1):75–83

A study of four medicinal plant complexes of Mexico and adjacent United States. Linares E, et al. **J Ethnopharmacol** 1987 Mar–Apr;19(2):153–83

Local anti–inflammatory activity of Tamus communis. Mascolo N, et al. **J Ethnopharmacol** 1987 Jan–Feb; 19(1):81–4

Psychopharmacologic analysis of an alleged oneirogenic plant: Calea zacatechichi. Mayagoitia L, et al. **J Ethnopharmacol** 1986 Dec;18(3):229–43

Croton macrostachys, a plant used in traditional medicine: purgative and inflammatory activity. Mazzanti G, et al. **J Ethnopharmacol** 1987 Mar–Apr;19(2):213–9

Effects of an extract of khat (C[illegible]ha edulis) on the toad heart. Nabil Z, et al. **J Ethnopharmacol** 1986 Dec;18(3):245–56

Anticonvulsant activity of the volatile oil from the fruit of Tetrapleura tetraptera. Nwaiwu JI, et al. **J Ethnopharmacol** 1986 Nov;18(2):103–7

Ethnobotanical review of medicinal plants from Thai traditional books, Part I: Plants with anti–inflammatory, anti–asthmatic and antihypertensive properties. Panthong A, et al. **J Ethnopharmacol** 1986 Dec;18(3):213–28 (30 ref.)

Effect of feeding Gymnema sylvestre leaves on blood glucose in beryllium nitrate treated rats. Prakash AO, et al. **J Ethnopharmacol** 1986 Nov;18(2):143–6

Preliminary phytochemical, pharmacological and antibacterial studies of the alkaloidal extracts of the leaves of Synclisia scabrida Miers. Sokomba E, et al. **J Ethnopharmacol** 1986 Nov;18(2):173–85

Pharmacology of lemongrass (Cymbopogon citratus Stapf). II. Effects of daily two month administration in male and female rats and in offspring exposed "in utero". Souza Formigoni ML, et al. **J Ethnopharmacol** 1986 Jul; 17(1):65–74

Medicinal plants in Mozambique and their popular use. Verzár R, et al. **J Ethnopharmacol** 1987 Jan–Feb; 19(1):67–80

Frequently used medicinal plants in Baja California Norte. Winkelman M. **J Ethnopharmacol** 1986 Nov;18(2):109–31 (62 ref.)

Antihepatotoxic actions of Formosan plant drugs. Yang LL, et al. **J Ethnopharmacol** 1987 Jan–Feb;19(1):103–10

Plants used for the treatment of diabetes in Israel. Yaniv Z, et al. **J Ethnopharmacol** 1987 Mar–Apr;19(2):145–51

Accumulation of immature B and null lymphocytes in the periphery after intraperitoneal administration of traditional Chinese medicine, xiao–chai–hu–tang (Japanese name: shosaiko–to). Kawakita T, et al. **J Immunopharmacol** 1986; 8(4):561–88

The effect of crude extracts of nine African chewing sticks on oral anaerobes. Rotimi VO, et al. **J Med Microbiol** 1987 Feb;23(1):55–60

Cytotoxic and antitumor activity of vismiones isolated from vismieae. Cassinelli G, et al. **J Nat Prod** 1986 Sep–Oct; 49(5):929–31

Sigmoidin D: a new prenylated flavanone from Erythrina sigmoidea. Promsattha R, et al. **J Nat Prod** 1986 Sep–Oct; 49(5):932–3

Anthelmintic properties of Polygonum glabrum. Muddathir AK, et al. **J Pharm Pharmacol** 1987 Apr;39(4):296–300

Prescription promoting blood circulation and dispersing blood stasis—experimental studies on preventive and therapeutic action in endometrial adhesion in rats. Chen XZ, et al. **J Tongji Med Univ** 1986;6(3):176–80

Studies on anti–infective mechanism of the traditional Chinese medicinal preparation "anti–inflammatory agent no. 6"—its influence on immune functions of mice. Xue ZH, et al. **J Tongji Med Univ** 1987;7(1):1–7

Acute myocardial infarction treated with yiqihuoxue mixture. A comparative study of therapeutic effects on 430 patients. **J Tradit Chin Med** 1986 Sep;6(3):165–7

Uveo-encephalitis treated by combination of traditional Chinese and Western medicine. Bao LL. **J Tradit Chin Med** 1986 Jun;6(2):113–6

Advances in the treatment of cholelithiasis by expulsion of the gallstones. He RL. **J Tradit Chin Med** 1986 Jun; 6(2):135–40 (26 ref.)

Treating amenorrhea in vital energy-deficient patients with angelica sinensis-astragalus membranaceus menstruation-regulating decoction. He ZP, et al. **J Tradit Chin Med** 1986 Sep;6(3):187–90

Cerebral infarction in a bilateral common carotid artery ligation model protected by radix Salviae miltiorrhizae. Kuang PG, et al. **J Tradit Chin Med** 1986 Jun;6(2):121–4

Clinical observation and pharmacological investigation of the sedative and hypnotic effects of the Chinese drug rhizome and root of Patrinia Scabiosaefolia Fisch. Luo HC, et al. **J Tradit Chin Med** 1986 Jun;6(2):89–94

Acupuncture treatment of cerebrovascular occlusion and changes in hemorrheological indices during treatment; a clinical analysis of 100 cases. Qi LY, et al. **J Tradit Chin Med** 1986 Jun;6(2):105–10

22 cases of chronic aplastic anemia treated with traditional Chinese medicine and large doses of androgen. Qian FW, et al. **J Tradit Chin Med** 1987 Mar;7(1):68

Effects of traditional Chinese medicine of different treatment principles on hemagglutination and adhesion of uropathogenic Escherichia coli to uroepithelial cells. Sun DX, et al. **J Tradit Chin Med** 1987 Mar;7(1):53–6

Clinical and pharmacological study of the hemostatic action of rhizoma paridis by contraction of uterus. Tian Y, et al. **J Tradit Chin Med** 1986 Sep;6(3):178–82

Ultrastructural observation and glucose-6-phosphatase determination on the repair of rat experimental hepatic lesions by qing kai ling No. 1. Wang DW, et al. **J Tradit Chin Med** 1987 Mar;7(1):46–52

A study of pharmacologi..al actions of flos Acanthopanacis senticosi. Wang YM, et al. **J Tradit Chin Med** 1986 Dec; 6(4):297–300

Hyperthyroidism treated with "yiqiyangyin" decoction.Xia SN, et al. **J Tradit Chin Med** 1986 Jun;6(2):79–82

Effect of li ren (semen litchi) anti-diabetes pills in 45 cases of diabetes mellitus. Zhang H, et al. **J Tradit Chin Med** 1986 Dec;6(4):277–8

Experimental hydronephrosis from incarcerated ureterolithiasis: treatment with the kidney warming and a diuresis-promoting regimen. Zhang JG, et al. **J Tradit Chin Med** 1987 Mar;7(1):63–6

Effect of radix Salviae miltiorrhizae on calcium deposition in experimental fracture. Zhang JY, et al. **J Tradit Chin Med** 1986 Sep;6(3):207–12

Observation on the result of treatment of female infertility in 343 cases. Zhang LL. **J Tradit Chin Med** 1986 Sep; 6(3):175–7

Herbal medicine precipitating massive haemolysis [letter] Baker S, et al. **Lancet** 1987 May 2;1(8540):1039–40

African Burkitt's lymphoma and an Epstein-Barr virus-enhancing plant Euphorbia tirucalli [letter] Osato T, et al. **Lancet** 1987 May 30;1(8544):1257–8

Betel-nut withdrawal [letter] Wiesner DM. **Med J Aust** 1987 Apr 20;146(8):453

Erythrina lectins. Lis H, et al. **Methods Enzymol** 1987; 138:544–51

Nonmutagenicity of betel leaf and its antimutagenic action against environmental mutagens. Nagabhushan M, et al. **Neoplasma** 1987;34(2):159–67

Mediastinal veno-occlusive disease associated with herbal tea ingestion [letter] Mehta NJ, et al. **NY State J Med** 1986 Nov;86(11):604–5

Vertigo-reducing effect of ginger root. A controlled clinical study. Grøntved A, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):282–6

Eupatorium cannabinum L. A review emphasizing the sesquiterpene lactones and their biological activity. Woerdenbag HJ. **Pharm Weekbl [Sci]** 1986 Oct 17; 8(5):245–51 (69 ref.)

Behavioral effects resulting from sub-chronic treatment of rats with extract of fresh stabilized cola seeds. Scotto G, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):841–5

Potentially useful antimicrobial and antiviral phototoxins from plants. Towers GH, et al. **Photochem Photobiol** 1987 Jul;46(1):61–6

Inhibition of aldose reductase activities by kampo medicines. Aida K, et al. **Planta Med** 1987 Apr;53(2):131–5

Medicines from plants with special reference to herbal products in Great Britain. Shellard EJ. **Planta Med** 1987 Apr;53(2):121–3

Active principles of Tetradenia riparia; II. Antispasmodic activity of 8(14),15-sandaracopimaradiene-7 alpha,18-diol. Van Puyvelde L, et al. **Planta Med** 1987 Apr;53(2):156–8

Effect of extract from rhei rhizoma on dietary hyperazotemia in rats. Yokozawa T, et al. **Planta Med** 1987 Apr; 53(2):124–7

Thrombus induction by endogenic paf-acether and its inhibition by Ginkgo Bilobe extracts in the guinea pig. Bourgain RH, et al. **Prostaglandins** 1986 Jul;32(1):142–4

Herbal toxicity in Zimbabwe. Nyazema NZ. **Trans R Soc Trop Med Hyg** 1986;80(3):448–50

The toxicity of Azadirachta indica leaves in goats and guinea pigs. Ali BH. **Vet Hum Toxicol** 1987 Feb;29(1):16–9

Preliminary investigations of the wound-healing properties of a Jamaican folk medicinal plant (Justicia pectoralis). Mills J, et al. **West Indian Med J** 1986 Sep;35(3):190–3

[Antiviral action of a polyphenol complex isolated from the medicinal plant Geranium sanguineum L. I. Its inhibiting action on the reproduction of the influenza virus] Manolova N, et al. **Acta Microbiol Bulg** 1986;18:73–7 (Eng. Abstr.) **(Bul)**

[Combined action of antiviral substances of natural and synthetic origin. I. The anti-influenza action of a combination of the polyphenol complex isolated from Geranium sanguineum L. and remantadine in vitro and in ovo] Serkedzhieva Iu, et al. **Acta Microbiol Bulg** 1986; 19:18–22 (Eng. Abstr.) **(Bul)**

[Antiviral action of a polyphenol complex isolated from the medicinal plant Geranium sanguineum L. II. Its inactivating action on the influenza virus] Serkedzhieva Iu, et al. **Acta Microbiol Bulg** 1986;18:78–82 (Eng. Abstr.) **(Bul)**

[Experimental prerequisites for using extracts of a representative of the genus Potentilla as an antivaricose agent] Bakracheva N, et al. **Eksp Med Morfol** 1986; 25(4):26–31 (Eng. Abstr.) **(Bul)**

[Preliminary clinical observations on mebendazole and traditional Chinese medicine treatment in 57 cases with echinococcosis] Jiang CP. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):209–11 (Eng. Abstr.) **(Chi)**

[Therapeutic effect of bian zheng shi zhi on patients with coronary heart disease] Bao YX, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jul;6(7):399–402, 387 (Eng. Abstr.) **(Chi)**

[Nitrogen balance in uremic patients treated with rhubarb retention enema] Bi ZQ. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):21–3, 4 (Eng. Abstr.) **(Chi)**

[Traditional Chinese medicine and Western medicine treatment of submaxillary adenitis. A report of 22 cases] Chen BS. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):238, 197 (Eng. Abstr.) **(Chi)**

[Diagnosis and treatment of acute renal failure] Chen MF. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):45–7 **(Chi)**

[Observation on experimental glomerulonephritis treated with yu ping feng san] Chen MF, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):229–30, 197 (Eng. Abstr.) **(Chi)**

[A decoction activating blood circulation and removing stasis in the treatment and prevention of intrauterine adhesions] Chen XZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec; 6(12):740–2 **(Chi)**

[Treatment of chronic renal failure with traditional Chinese medicine. Follow-up of 90 cases] Chen YP. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):465–7, 452 (Eng. Abstr.) **(Chi)**

[Analysis of factor discrimination in blood stasis syndrome during an acute attack of cor pulmonale] Chen ZY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):75–7, 67 (Eng. Abstr.) **(Chi)**

[Hemodynamic consequences of the heart-protecting musk pill and its effect on left ventricular performance in coronary heart disease] Dai RH, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):329–31, 323 (Eng. Abstr.) **(Chi)**

[Effect of herbal enema mixture no. 1 on experimental acute renal failure] Deng WL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):225–8, 196 (Eng. Abstr.) **(Chi)**

[Survey of studies on xiao qinglong decoction in the treatment of bronchial asthma in children in Japan] Ding PZ. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):60–1 (13 ref.) **(Chi)**

[Effects of Rehmannia glutinosa, Plastrum testudinis, Aconitum carmichaeli and Cinnamomum cassia on the beta-adrenergic receptors of hyperthyroid rat kidneys] Feng GP, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct; 6(10):606–8, 582 (Eng. Abstr.) **(Chi)**

[Clinical observations on the treatment of sudden deafness with concentrated Angelica injection] Feng Y, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):536–7, 516 (Eng. Abstr.) **(Chi)**

[Clinical observations on the treatment of the gestational hypertension syndrome with Angelica and Paeonia powder] Guo TL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):714–6, 707 (Eng. Abstr.) **(Chi)**

[Observations on the therapeutic effect of qiang gan tang nos. 1 and 2 in treating 358 cases of chronic hepatitis] Han JH, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep; 6(9):526–9, 514 (Eng. Abstr.) **(Chi)**

[A survey of traditional Chinese medicine in the sick sinus syndrome] Han MX. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):376–9 (34 ref.) **(Chi)**

[Research on the anticarcinogenic activation of Acorus calcamus. Anticarcinogenic activation of alpha-asarone on human carcinoma cells] Hu BY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):480–3, 454 (Eng. Abstr.) **(Chi)**

[Assay of beta-adrenergic receptor function and evaluation of the preventive effects of wen yang pills in asthmatics] Hu GR. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb; 7(2):71–4, 67 (Eng. Abstr.) **(Chi)**

[Trends in studies on antineoplastic herbal drugs in China] Jiang TL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov; 6(11):698–702 (38 ref.) **(Chi)**

[Clinical effect and experimental study on folium Sennae in acute gastroduodenal hemorrhage] Jin YC, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):455–7, 451 (Eng. Abstr.) **(Chi)**

[Experimental research on the yin-yang of traditional Chinese medicine (V): Effect of Aconitum carmichaeli and Cinnamomum cassia on hypertension induced by adrenal regeneration in rats] Kuang AK, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):353–6, 326 (Eng. Abstr.) **(Chi)**

[Effects of Codonopsis pilosula on experimental gastric ulcers in the rat] Li H, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar;7(3):163–5, 134 (Eng. Abstr.) **(Chi)**

[Clinical observation and experimental research on the treatment of chronic pelvic inflammation with "fu yan kang"] Li H, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):222–4, 196 (Eng. Abstr.) **(Chi)**

[Clinical and experimental studies on the treatment of peptic ulcer with jianwei yuyang tablets] Li JB, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar;7(3):151–3, 132 (Eng. Abstr.) **(Chi)**

[Advances in research on Chinese drugs for anti-myocardium ischemia] Li LD. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):57–9 (60 ref.) **(Chi)**

[Observation on the efficacy of treating upper digestive bleeding with radix Boehmoriae extract] Li LS. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):463–4, 451–2 (Eng. Abstr.) **(Chi)**

[Changes in the impedance pulmonary rheogram in cor pulmonale patients treated by traditional Chinese medicine and Western medicine] Li TQ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):78–9, 68 (Eng. Abstr.) **(Chi)**

[A study on the anti-infection effect of Chinese traditional ointment for external application. Effect on the activation of peritoneal macrophages of mice and their phagocytosis] Li XL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug;6(8):486, 454 (Eng. Abstr.) **(Chi)**

[Preliminary study of the antitumor effect of the injection of traditional Chinese drugs] Liang YY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):549–51, 517 (Eng. Abstr.) **(Chi)**

[Observations on the relationship between "kidney deficiency" and changes in gonadal function in women with amenorrhea and oligomenorrhea] Liao DL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):590–2, 580 (Eng. Abstr.) **(Chi)**

[Antagonistic action of re du qing injection on the biological activity of endotoxin-induced DIC] Lin JS, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jul;6(7):425–7, 390 (Eng. Abstr.) **(Chi)**

[Adult diabetes mellitus treated with jiang tang jia tablets. Determination of left ventricular function in 38 cases] Lin L, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar; 7(3):148–50, 132 (Eng. Abstr.) **(Chi)**

[Artificial cycle with simplified traditional Chinese medicine triple therapy and an observation of its therapeutic efficacy in anovular infertility patients] Lin ZJ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):717–9, 707 (Eng. Abstr.) **(Chi)**

[Clinical and experimental study of tong mai lin on ultrastructural changes in the platelets] Liu JW, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):583–6, 579 (Eng. Abstr.) **(Chi)**

[Assay of alternative complement pathway activity in glomerulonephritis and its changes after treatment with Chinese traditional medicine] Liu WZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):210–2 **(Chi)**

[Ultrastructural study of the effects of bulbus Allii and some other drugs on Staphylococcus aureus] Liu XG. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):737–9, 710 (Eng. Abstr.) **(Chi)**

[Observation on clinical experiments in the treatment of chronic nasal sinusitis with ping zhi tablets] Liu YC. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):596–8, 580 (Eng. Abstr.) **(Chi)**

[Effect of an injection of a long kui compound on hepatoma H22 ascites ascites tumor cells in mice] Lu GZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):97–9, 70 (Eng. Abstr.) **(Chi)**

[Traditional Chinese medicine and western medicine non-operative treatment by endoscopic sphincterotomy in choledocholithiasis. A report of 115 cases] Lu HZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):728–9, 709 (Eng. Abstr.) **(Chi)**

[Treatment of tubulo-interstitial nephropathy and renal failure with traditional Chinese medicine and Western medicine under the guidance of the yin-yang balance theory and tubulo-glomerular feedback theory. Clinical analysis of 83 cases] Lu JJ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):201–4, 194 (Eng. Abstr.) **(Chi)**

[Effects of alkaloids of Corydalis yanhusuo on the ECG of rabbits and observations on the time and dose-effect relationship] Ma SX, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):743–4, 710 (Eng. Abstr.) **(Chi)**

[A new method in treating open wounds of the fingers with

traditional Chinese medicine and Western medicine. An analysis of 2,000 cases] Mao WX.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):403–7, 388 (Eng. Abstr.) (Chi)

[Curative effect of xiaoluowan in primary tuberculosis in adults] Na XM, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar;7(3):156–7, 133 (Eng. Abstr.) (Chi)

[Clinical observations on real-time ultrasonic explorations in treating the feeling of fullness in the chest and costal region with xiao chai hu decoction] Nie FZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):419–21, 389 (Eng. Abstr.) (Chi)

[Short-term effect of yu kui lin in treating peptic ulcer] Pu CS, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):460–2, 451 (Eng. Abstr.) (Chi)

[Observations on cerebral infarction treated with acupuncture and the patients' changes in hemorheological indices. Analysis of 100 cases] Qi LY.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):730–3, 709 (Eng. Abstr.) (Chi)

[Effects of xiao chuan ning on types III and IV of allergic reaction] Qian BC. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):38–41, 6 (Eng. Abstr.) (Chi)

[Endoscopic studies of chronic atrophic gastritis before and after medical treatment. A comparative report of 133 cases treated with traditional Chinese medicine or pentagastrin] Qian YN. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep; 6(9):533–5, 515 (Eng. Abstr.) (Chi)

[Traditional Chinese medicine combined with Western medicine in the treatment of diabetic peripheral neuropathy] Qian ZR, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):140–2, 131 (Eng. Abstr.) (Chi)

[Combined traditional and western therapy of infantile bronchial asthma. An observation on the therapeutic effects in 32 cases] Shi CF. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):667–8, 645 (Eng. Abstr.) (Chi)

[Advances in research in traditional Chinese medicine combined with Western medicine in diabetes mellitus] Shi SZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):573–6 (26 ref.) (Chi)

[Clinical and pathological observations on the treatment of chronic active hepatitis B with gan fu lin extract] Shi YX, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):522–5, 514 (Eng. Abstr.) (Chi)

[Closed thoracic trauma treated with traditional Chinese medicine and Western medicine therapy. A clinical analysis of 150 cases] Shi ZQ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):339–41, 323 (Eng. Abstr.) (Chi)

[Advances in the immunological study of viral hepatitis] Song XX. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):115–8 (14 ref.) (Chi)

[Clinical use and experimental research on "san jie sheng ji" ointment] Sun CX. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jul;6(7):408–12, 388 (Eng. Abstr.) (Chi)

[Clinical evaluation of crude rhubarb powder and cimetidine in upper gastrointestinal bleeding] Sun DA.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):458–9, 451 (Eng. Abstr.) (Chi)

[Preliminary study of tong-jing powders in the treatment of primary dysmenorrhea] Sun NS, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):711–3 (Chi)

[Combined treatment using traditional Chinese medicine and Western medicine of lupus crisis: a report of 10 cases] Tu BY. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):215–7, 195 (Eng. Abstr.) (Chi)

[Clinical observation on the treatment of 101 hypertension patients with Pyrola rotundifolia preparation] Wang CH, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):604–5, 581 (Eng. Abstr.) (Chi)

[Protective effect of Astragalus polysaccharide on ribonucleases and the ribonuclease inhibitor system] Wang DY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb; 7(2):93–6, 70 (Eng. Abstr.) (Chi)

[Effects of alkaloids of Corydalis decumbens on cerebral and peripheral circulation in the dog] Wang DY.
Chung Hsi I Chieh Ho Tsa Chih 1986 Aug;6(8):477–9, 454 (Eng. Abstr.) (Chi)

[Therapeutic effect of 42 cases of chronic obstructive pulmonary disease treated by traditional Chinese medicine combined with Western medicine] Wang HR.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):80–2, 68 (Eng. Abstr.) (Chi)

[Clinical analysis of the effect of liq. Galla chinensis composit. given trans-endoscopically in treating 240 upper gastrointestinal bleeding patients] Wang HZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):599–601, 581 (Eng. Abstr.) (Chi)

[Influence of the zhibao sanbian pill on immunologic function in mice] Wang L, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):360–1, 326 (Eng. Abstr.) (Chi)

[Advances in the treatment of epilepsy by traditional Chinese medicine] Wang QQ. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):119–21, 127 (24 ref.) (Chi)

[Effects of qixue injections on the function of platelets in coronary disease patients] Wang SR, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):12–4, 3 (Eng. Abstr.) (Chi)

[Observations on traditional Chinese medicine and Western medicine therapy in treating 124 nephrotic syndrome patients and controls] Wang XZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):422–4, 390 (Eng. Abstr.) (Chi)

[Clinical observations and experimental study of vulval dystrophy treated with traditional Chinese medicine] Wang YF. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):723–5, 708 (Eng. Abstr.) (Chi)

[Preliminary observation on hypoglycemic responses in 214 diabetes mellitus patients treated with ganshao jiangtang tablets] Wang ZG. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):593–5, 580 (Eng. Abstr.) (Chi)

[Factors relevant to the pharmacodynamics of rhubarb] Wang ZS. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar; 7(3):182–5 (61 ref.) (Chi)

[Comparative effectiveness of Chinese H3 and liu wei di huang wan in the treatment of the female climacteric syndrome] Wu XN. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):336–8, 323 (Eng. Abstr.) (Chi)

[Vasorelaxant activities of atriopeptin III and blood activator no. II] Wu YS, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Sep;6(9):546–8, 517 (Eng. Abstr.) (Chi)

[An analysis of the treatment of severe viral hepatitis with traditional Chinese medicine and Western medicine] Xiang JZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):345–7, 325 (Eng. Abstr.) (Chi)

[Traditional Chinese medicine and Western medicine in the treatment of sputum-positive tuberculosis; short-term follow-up studies] Xiao GF.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):158–60, 133 (Eng. Abstr.) (Chi)

[Statistical analysis of ethnopharmacologic data on Chinese medicinal plants using an electronic computer I. Magnoliidae] Xiao PG, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):253–6, 200, 197 (Eng. Abstr.) (Chi)

[Membranous dysmenorrhea (dysmenorrhea of the type of stagnancy of vital energy and blood stasis)] Xu BC.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):758–60 (23 ref.) (Chi)

[Relation between plasma thromboxane B2 and 6-keto-prostaglandin F1 alpha levels and traditional Chinese medicine in different types of ischemic heart disease patients] Xu QY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):15–7, 3–4 (Eng. Abstr.) (Chi)

[Experimental studies on the mechanism of inhibition of thrombus formation and blood coagulation in vitro with sheng-mai injection] Xu QY.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):428–9, 390 (Eng. Abstr.) (Chi)

[Observations on the therapeutic effect of traditional Chinese medicine treatment of 88 cases of chronic atrophic gastritis] Xu ZC. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun; 6(6):342–4, 324 (Eng. Abstr.) (Chi)

[Clinical analysis of 23 cases of a cholecardiac syndrome treated with Chinese traditional medicine] Xu ZF.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):83–5, 68 (Eng. Abstr.) (Chi)

[Injection of Angelica sinensis in treating infantile pneumonia and its experimental study in rabbits] Yan TY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):161–2, 133 (Eng. Abstr.) (Chi)

[Dynamic study of the interferon-stimulating effect of a polysaccharide of Acanthopanax senticosus on leukemic cell culture] Yang JC, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Apr;6(4):231–3, 197 (Eng. Abstr.) (Chi)

[A preliminary clinical observation on the effect of kang du wan on chronic HBV infection] Yang JY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Sep;6(9):530–2, 515 (Eng. Abstr.) (Chi)

[Effects of Rheum tanguticum and its extracts on the flow of bile and pancreatic juice in the rat] Yang YZ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):166–8, 134 (Eng. Abstr.) (Chi)

[Current status of the treatment of prostatic hypertrophy] Yao XB. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):510–2 (43 ref.) (Chi)

[Diagnosis and treatment of acute and severe diseases. Traditional Chinese medicine and Western medicine treatment of infantile diarrhea] Ye XL.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jun;6(6):370–2 (Chi)

[Studies on a pharmacological experiment with Corydalis ambigua] You CL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):675–6, 646 (Eng. Abstr.) (Chi)

[Clinical observations on 32 cases of infected wounds treated with traditional Chinese medicine and Western medicine] Yu DG, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jul; 6(7):413–5, 388 (Eng. Abstr.) (Chi)

[Regulating effect on the hypothalamo-hypophyseo-ovarian axis observed during the process of treating polycystic ovarian disease by tonifying the kidney and resolving phlegm] Yu J. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):218–21, 195–6 (Eng. Abstr.) (Chi)

[Effect of tonic prescriptions on platelet aggregation] Yu SZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):100–1, 70 (Eng. Abstr.) (Chi)

[Effect of chuan-xiong granules on platelet aggregation, plasma beta-thromboglobulin, platelet factor IV, thromboxane B2 and 6-keto-prostaglandin F1 alpha in coronary disease patients] Yu Z, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):8–11, 3 (Eng. Abstr.) (Chi)

[Comparative study of the therapeutic effects of herbal enema mixture no. 1 and hemodialysis on acute kidney failure] Zhai FM. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):198–200 (Chi)

[Diabetic peripheral nerve complications treated with traditional Chinese medicine] Zhang FL.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):143–5, 131 (Eng. Abstr.) (Chi)

[Effect of various methods of promoting the secretion of breast milk] Zhang RY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):89–90, 69 (Eng. Abstr.) (Chi)

[Comparative investigation of the therapeutic efficacy of Anhui beimu (Fritillaria anhuiensis) and Sichuan beimu (Frit. delavayi)] Zhang SH, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Jul;6(7):416–8, 389 (Eng. Abstr.) (Chi)

[Clinical observation on the effect of an AOAP regimen in acute non-lymphatic leukemia] Zhang TD, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Oct;6(10):602–3, 581 (Eng. Abstr.) (Chi)

[Treatment of hemorrhage of the upper gastro-intestinal tract with the Chinese drug hai huang san. Analysis of 50 cases] Zhang WL. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov; 6(11):665–6, 644 (Eng. Abstr.) (Chi)

[A complex therapy of electricity and traditional Chinese medicinal hot packs for pains in the extremities. Analysis of 6734 cases] Zhang YX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Nov;6(11):659–61, 644 (Eng. Abstr.) (Chi)

[Nailfold microcirculation in uterine myoma. Analysis of 61 cases] Zhao HF. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):86–8, 69 (Eng. Abstr.) (Chi)

[Effect of the herbal mixture jiang qi ding chuan san on heart and lung function in asthmatics] Zhong NX, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Jan;7(1):24–5, 4–5 (Eng. Abstr.) (Chi)

[Clinical observation on chronic glomerulonephritis treated with traditional Chinese medicine and Western medicine] Zhou ZB. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):208–9, 194–5 (Eng. Abstr.) (Chi)

[Clinical observations on the therapeutic results in 232 cases of vitiligo] Zhu GD. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):669–71, 645 (Eng. Abstr.) (Chi)

[Long-term effect of 60 cases of nephrotic syndrome treated with traditional Chinese medicine and Western medicine] Zhu PJ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):205–7, 194 (Eng. Abstr.) (Chi)

[Preliminary study of the effect of wurenchun for prolonging the survival time of cardiac tissue allografts in mice] Zhuang HM, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):33–4, 6 (Eng. Abstr.) (Chi)

[Potentiation by Rabdosia rubescens on chemotherapy of advanced esophageal carcinoma] Wang RL, et al.
Chung Hua Chung Liu Tsa Chih 1986 Jul;8(4):297–9 (Eng. Abstr.) (Chi)

[Preliminary evaluation of the combination of Chinese herbal medicine (destagnation) and radiotherapy for esophageal cancer] Yang ZY, et al.
Chung Hua Chung Liu Tsa Chih 1987 Jan;9(1):48–9 (Eng. Abstr.) (Chi)

[Clinical observation and experimental study of the treatment of menorrhagia with tiaojing I]
Chung Hua Fu Chan Ko Tsa Chih 1986 Jul;21(4):215–8, 252 (Eng. Abstr.) (Chi)

[Effect of pollen typhae on 6-keto-PGF1 alpha, TXB2, TC and HDL-C in chronic hyperlipemic rabbits] Zhang L.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1986 Oct; 14(5):291–3, 319–20 (Eng. Abstr.) (Chi)

[A control trial of flavonoids of Hippophae rhamnoides L. in treating ischemic heart disease] Zhang MS.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1987 Apr; 15(2):97–9 (Chi)

[Pre-operative preparation of the intestinal tract with Chinese materia medica] **Chung Hua Hu Li Tsa Chih** 1987 Mar; 22(3):115–6 (Chi)

[Care of patients with acute urinary tract infection treated by Chinese herbal drugs] Liu P.
Chung Hua Hu Li Tsa Chih 1987 Mar;22(3):116–7 (Chi)

[Side-effects caused by the combined use of traditional Chinese and Western drugs] Xu YZ.
Chung Hua Hu Li Tsa Chih 1986 Aug;21(5):217–8 (Chi)

[Effect of Ligusticum wallichii and Radix astragali on microcirculation in the hamster cheek pouch] Xue QF.
Chung Hua I Hsueh Tsa Chih 1986 Jul;66(7):409–12, 448 (Eng. Abstr.) (Chi)

[Effect of ligustrazine and salvia miltiorrhiza on microcirculation in the hamster cheek pouch] Xue QF.
Chung Hua I Hsueh Tsa Chih 1986 Jun;66(6):334–7, 382 (Eng. Abstr.) (Chi)

[Preventive effect of an extract of A. Nerinifolium Bak on experimental atherosclerosis] Zhao JB, et al.
Chung Hua I Hsueh Tsa Chih 1986 Mar;66(3):145–50, 189 (Eng. Abstr.) (Chi)

[Study on the pharmacology of qingwei san] Li CL.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Jan;21(1):44–6, 63 (Eng. Abstr.) (Chi)

[Treatment of recurrent aphthous ulcer in the female based

on the differentiation of symptoms and signs] Zhang XB. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):47–9 (Chi)

[Present status and trends in antidiabetic drugs] Liu CY. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):694–6 (15 ref.) (Chi)

[An experimental study of the promoting effects of extracts from Chinese medicinal herbs and tung oil (HHPA)] Sun Y. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):9–11 (Eng. Abstr.) (Chi)

[Treatment of 61 cases of neurosis by traditional Chinese medical theory] Yu YH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Oct; 19(5):309–10 (Eng. Abstr.) (Chi)

[Treatment of neurasthenia with combined western and traditional Chinese medicine by basing therapy on type differentiation of the disease] Zhou K. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Oct; 19(5):306–8 (Eng. Abstr.) (Chi)

[Experimental study on the effect of Corydalis stricta Steph. against Echinococcus granulosus protoscolices in man] Chen QM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):768–9, 783 (Eng. Abstr.) (Chi)

[Photodynamic damage of hematoporphyrin derivative on red cell membrane and the antioxidant effect of some Chinese drugs] Fu NW. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):147–51 (Eng. Abstr.) (Chi)

[Synthesis of the expectorant principle of natural flavanone, "matteucinol"] Xie JX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):84–7 (Eng. Abstr.) (Chi)

[Effect of "huoxue huayu" injections on pulmonary pathological changes caused by paraquat in the rat] Xu SH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):358–61 (Eng. Abstr.) (Chi)

[Effect of geniposide on acute jaundice in rats caused by ANIT poisoning] Cheng YY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):69–72 (Eng. Abstr.) (Chi)

[Circadian effect on gastrodin pharmacokinetics in rats] Lu GW, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar; 7(2):190–1 (Eng. Abstr.) (Chi)

[Effect of Bupleurum kunmingense polysaccharides on the weight of the spleen, thymus and proliferation of lymphocyte and plaque forming cells in mice] Zhang LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):479–81 (Eng. Abstr.) (Chi)

[Platelet hemopoiesis and ultrastructure observations in mice treated with natural Cordyceps sinensis and its cultured mycelia] Chen DM. **Chung Yao Tung Pao** 1987 Jan; 12(1):47–9 (Chi)

[Research on Calculus bovis] Chen SP. **Chung Yao Tung Pao** 1987 Mar;12(3):59–61 (Chi)

[Experimental study on the articular sac of the rabbit after an injection of aqueous extract of Plantago asiatica] Chen YH. **Chung Yao Tung Pao** 1986 Nov;11(11):46–7 (Chi)

[Pharmacological study on Chinese medicinal herbs used in orthopedics and traumatology] Chen YP. **Chung Yao Tung Pao** 1986 Jul;11(7):3–6 (Chi)

[Experimental studies of decoctions of Chinese drugs for rectal administration] Dend JZ. **Chung Yao Tung Pao** 1986 May;11(5):30–2 (Chi)

[Antitumor activity of Cordyceps sinensis and cultured Cordyceps mycelia] Liu DJ. **Chung Yao Tung Pao** 1986 Jul;11(7):51–4 (Chi)

[Exploitation and utilization of the resources of medicinal plants in Yunnan Province] Du YZ. **Chung Yao Tung Pao** 1986 Jul;11(7):13–6 (Chi)

[Active protein constituents from the kernel of Prunus persica] Fang XD. **Chung Yao Tung Pao** 1986 Nov; 11(11):37–9 (Chi)

[Pharmacological studies on zhengchaihuyin] Fu HY. **Chung Yao Tung Pao** 1986 May;11(5):47–51 (Chi)

[Improving the preparation process of Arisaema cum bile] Gao WS. **Chung Yao Tung Pao** 1986 Aug;11(8):24–5 (Chi)

[Effect of regulation by the C21 steroid ester glycoside from Cynanchum auriculatum in immunosuppressed mice] Gu LG. **Chung Yao Tung Pao** 1986 Nov;11(11):50–2 (Chi)

[Progress and improvement of mongolian drugs] Gu WZ. **Chung Yao Tung Pao** 1986 May;11(5):3–6 (Chi)

[Determination of triptolide in ethyl acetate extracts of leigongteng and their tablets] Guo XF. **Chung Yao Tung Pao** 1986 Aug;11(8):38–40 (Chi)

[The resources of the Chinese traditional medicine mabo in Guizhou Province] He SZ. **Chung Yao Tung Pao** 1986 Sep; 11(9):14–6 (Chi)

[Anti-inflammatory effects of extracts of Amphicome arguta] Huang LY. **Chung Yao Tung Pao** 1987 Feb;12(2):54–6 (Chi)

[Comments on Ranghe from the viewpoint of Chinese materia medica] Huang SB. **Chung Yao Tung Pao** 1987 Jan; 12(1):3–5 (Chi)

[Medicinal tusharen in Sichuan Leshan district II. GC/MS analysis of its essential oil] Jia MR. **Chung Yao Tung Pao** 1987 Feb;12(2):36–40 (Chi)

[Processing of radix et rhizoma Rhei] Jiang WJ. **Chung Yao Tung Pao** 1986 Dec;11(12):3–7 (31 ref.) (Chi)

[On the theories of preparing traditional Chinese medicines with vinegar in the past] Ju MQ. **Chung Yao Tung Pao** 1987 Jan;12(1):18–20 (Chi)

[Regulation of immune gene synthesis in mice by cixichunbao granule] Li M. **Chung Yao Tung Pao** 1986 Dec;11(12):52–4 (Chi)

[Antibacterial and anti-inflammatory constituents of the organic acids of Chinese herbal drugs] Li ML. **Chung Yao Tung Pao** 1986 Jun;11(6):57–60 (29 ref.) (Chi)

[Quantitative determination of betulinic acid in Zizyphus vulgaris by TLC-colorimetry] Li SY. **Chung Yao Tung Pao** 1986 Nov;11(11):43–5 (Chi)

[Use of beta-cyclodextrin on the pharmaceutics of a volatile oil from a Chinese medicine: 2 inclusion methods] Li SZ. **Chung Yao Tung Pao** 1986 Dec;11(12):31–3 (Chi)

[Method of stewing the cortex of mudan radicis in medical potions] Li SZ. **Chung Yao Tung Pao** 1986 May;11(5):36–7 (Chi)

[Pharmacology of a cholecystagogic mixture] Li XF. **Chung Yao Tung Pao** 1986 Oct;11(10):48–50 (Chi)

[Mutagenic evaluation of the Chinese drug C, L, T, G pill consisting of Daphne genkwa, Euphorbia kansui, Euphorbia pekinensis, Glycyrrhiza uralensis tested in Salmonella typhimurium and B. subtilis] Lin TG. **Chung Yao Tung Pao** 1986 Nov;11(11):48–9 (Chi)

[Preparation and clinical use of the micro-capsule of oil of Atractylodiae chinensis] Liu SF. **Chung Yao Tung Pao** 1986 Nov;11(11):58–61 (Chi)

[Clinical application of the theory of the attributive channel of traditional Chinese medicine] Liu SQ. **Chung Yao Tung Pao** 1986 Dec;11(12):56–8 (Chi)

[Studies on jiangmeiling chongji] Liu WH. **Chung Yao Tung Pao** 1987 Mar;12(3):32–3, 64 (Chi)

[Pathological studies on the action of crude rhubarb on experimental gastric ulcer in rats] Liu YQ. **Chung Yao Tung Pao** 1987 Mar;12(3):50–1 (Chi)

[Preliminary study on the quality control of banlangen chongji] Lu RG. **Chung Yao Tung Pao** 1986 Jul;11(7):33–4 (Chi)

[Determination of trace metals in the decoction of Ephedra, almond, plaster and glycyrrhiza by atomic absorption spectrophotometry] Ma CL. **Chung Yao Tung Pao** 1986 Oct;11(10):45–7 (Chi)

[Factors influencing the quality of a Chinese herbal medicine decoction] Meng GR. **Chung Yao Tung Pao** 1986 Nov; 11(11):29–32 (Chi)

[Pharmacological action of Astragalus membranaceus on the central nervous system in mice] Pan SY. **Chung Yao Tung Pao** 1986 Sep;11(9):47–9 (Chi)

[Bioavailability of a pediatric antiphlogistic suppository] Qin XD. **Chung Yao Tung Pao** 1986 Oct;11(10):30–1 (Chi)

[Effect of gamboge acid on the cell cycle of HeLa cells with flow cytometry] Qui XH. **Chung Yao Tung Pao** 1986 Oct; 11(10):51–3 (Chi)

[Preliminary study on the processing of Isatis tinctoris] Shi GZ. **Chung Yao Tung Pao** 1986 May;11(5):22–3 (Chi)

[Anti-coagulation effect in vitro of danshan and its three chemical extracts] Shi YD. **Chung Yao Tung Pao** 1986 Jul; 11(7):48–50 (Chi)

[Identification of Celosia argentea seed and its adulterates by polyacrylamide gel electrophoresis] Song GY. **Chung Yao Tung Pao** 1986 Jun;11(6):22–3 (Chi)

[General survey on medicinal plants of the Gentianaceae family in China] Song WZ. **Chung Yao Tung Pao** 1986 Nov; 11(11):3–7 (44 ref.) (Chi)

[Antimicrobial activity of dauricines] Su F. **Chung Yao Tung Pao** 1986 Nov;11(11):52–4 (Chi)

[Technology of increasing production with artificial propagation of Chinese gall] Tang XL. **Chung Yao Tung Pao** 1987 Feb;12(2):15–8 (Chi)

[Wheat germ processing] Tang YM. **Chung Yao Tung Pao** 1986 Dec;11(12):25–7 (Chi)

[Effects of constituents of the roots of Rosa multiflora on hyperlipemia] Wang XY. **Chung Yao Tung Pao** 1986 Jun; 11(6):55–6 (Chi)

[Pharmacological study on the effect of herba Pimpinella thellugiana on the metabolism of animal proteins] Wei DQ. **Chung Yao Tung Pao** 1986 Sep;11(9):53–4 (Chi)

[Changes in the quality of stored sugar-coated tablets used in Chinese medicine] Wen XP. **Chung Yao Tung Pao** 1986 Jul;11(7):31–2 (Chi)

[Effect of processing on the antipyretic action of rhubarb] Wu LY. **Chung Yao Tung Pao** 1986 Jun;11(6):24–6 (Chi)

[Preliminary exploration of Zhong-jing's oral administration method] Wu RL. **Chung Yao Tung Pao** 1986 Sep;11(9):56–8 (Chi)

[General survey and examination of the resources of Chinese drugs in Wushan Area] Xiao ZH. **Chung Yao Tung Pao** 1986 Dec;11(12):14–6 (Chi)

[Effects of buyanghuanwu decoction on heart function and myocardial blood flow] Xie RM. **Chung Yao Tung Pao** 1987 Feb;12(2):51–2 (Chi)

[Herbal studies of the botanical origins of togcao and mutong] Xie ZW. **Chung Yao Tung Pao** 1986 May;11(5):13–5 (Chi)

[Advances in research on compound granules of Chinese medicinal herbs] Xin DX, et al. **Chung Yao Tung Pao** 1987 Jan;12(1):57–9 (Chi)

[Antiarrhythmic action and toxicity of shenmai injection] Xing SL. **Chung Yao Tung Pao** 1987 Feb;12(2):48–50 (Chi)

[Synthesis of the chemical constituents of Chinese medicinal herbs in the last 10 years] Yang QW. **Chung Yao Tung Pao** 1987 Feb;12(2):57–62 (46 ref.) (Chi)

[Effect of water-extracts of leaves of luobuma (Apocynum lancifolium) on hyperlipemia in mice] Yang SY. **Chung Yao Tung Pao** 1986 Jun;11(6):50–2 (Chi)

[Antibacterial action of shanxiangyuan produced by different technology products] Yang YF. **Chung Yao Tung Pao** 1986 Aug;11(8):30–2 (Chi)

[Chemical components of radix Polygoni multiflori and its preparation] Ye DJ. **Chung Yao Tung Pao** 1986 Dec; 11(12):23–5 (Chi)

[Immunopharmacological studies on radix Polygoni multiflori and its preparations] Ye DJ. **Chung Yao Tung Pao** 1987 Mar;12(3):21–4 (Chi)

[Identification of yinianjin] Zang FH. **Chung Yao Tung Pao** 1986 May;11(5):32–4 (Chi)

[Systematizing ben'tsao of various dynasties in developing Chinese traditional pharmacology] Zhang GZ. **Chung Yao Tung Pao** 1986 Aug;11(8):3–6 (Chi)

[Chemical studies on the quaternary alkaloids of beidougen tablet] Zhang JF. **Chung Yao Tung Pao** 1986 Jun;11(6):45–7 (Chi)

[Antipyretic and anti-inflammatory effects of the Chinese herbal preparation reyanning recipes] Zhao WZ. **Chung Yao Tung Pao** 1986 May;11(5):54–5 (Chi)

[Experimental study in the sterilization effect of Co60-gamma ray for Chinese traditional patent drugs] Zhen HS. **Chung Yao Tung Pao** 1986 Aug;11(8):33–4 (Chi)

[Pharmacology of rubeigao] Zhou SF. **Chung Yao Tung Pao** 1987 Jan;12(1):43–6 (Chi)

[Delayed addition of some Chinese herb drugs in making decoctions] Zhou XL. **Chung Yao Tung Pao** 1986 Jun; 11(6):33–4 (Chi)

[Thin-layer chromatographic identifications of Cinnamomum cassia in four Chinese drug preparations such as tan yin pills and others] Zhu ZF. **Chung Yao Tung Pao** 1986 Oct; 11(10):33–5 (Chi)

[Chemical kindling induced by microinjection of Coriaria lactone into hippocampus in rabbits] Chen QX, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):111–4 (Eng. Abstr.) (Chi)

[An epileptic model of the acute motor pattern induced by Coriaria lactone in rats] Liao DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):97–100 (Eng. Abstr.) (Chi)

[An epileptic model of the partial somatomotor status epilepticus induced by Coriaria lactone in rats] Liao DY, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):101–3 (Eng. Abstr.) (Chi)

[Studies on the application of spectra and thin-layer chromatography to the constituents of Dendrobium nobile cultivated on various trees and stones] Zhao TF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):332–5 (Eng. Abstr.) (Chi)

[Effects of the constituents of Alpinia speciosa rhizoma on experimental ulcers] Hsu SY. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):58–64 (Eng. Abstr.) (Chi)

[Biochemical study of Chinese rhubarb. XIX. Localization of inhibition of anthraquinone derivatives on the mitochondrial respiratory chain] Chen CL, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):12–8 (Eng. Abstr.) (Chi)

[Studies on the hypoglycemic effect of Coptis chinensis and berberine] Chen QM, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):401–6 (Eng. Abstr.) (Chi)

[Studies on the constituents of the flavonoids from the pollen of Typha angustfolia L. (puhuang)] Jia SS, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):441–6 (Eng. Abstr.) (Chi)

[The effects of Saussurea polysaccharide on isolated rat uteri] Lin XZ, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):220–2 (Eng. Abstr.) (Chi)

[Studies on the chemical constituents of Aquilaria sinensis (Lour.) Gilg. II. Isolation and structure of baimuxinol and dehydrobaimuxinol] Yang JS, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):516–20 (Eng. Abstr.) (Chi)

[Pulse polarographic determination of hyperoside from Apocynum venetum L] Zhang XQ, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):366–9 (Eng. Abstr.) (Chi)

[Thorn apple poisoning] Rannem T. **Ugeskr Laeger** 1986 Oct 20;148(43):2763 (Eng. Abstr.) (Dan)

[On residual products of the disinfection of medicinal plants by ethylene oxide] Chaigneau M, et al. **Ann Pharm Fr** 1986; 44(5):339–46 (Eng. Abstr.) (Fre)

[Dispensing of medicinal plants and the herbalists] Delaveau P. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):789–96 (Eng. Abstr.) (Fre)

[New developments in phytotherapy] Anton PR. **J Pharm Belg** 1987 Mar-Apr;42(2):138–51 (44 ref.) (Eng. Abstr.) (Fre)

[Phytotherapeutic products and the cardiovascular system] Totte J, et al. **J Pharm Belg** 1986 Sep-Oct;41(5):330–61 (36 ref.) (Eng. Abstr.) (Fre)

[A case of overdose with Peganum harmala L.] Ben Saiah N, et al. **J Toxicol Clin Exp** 1986 Sep-Oct;6(5):319–22 (Eng. Abstr.) (Fre)

[Medicinal plants and decontamination] Sincholle D, et al.

Pharm Acta Helv 1987;62(1):14–8 **(Fre)**
[Extract of Ginkgo biloba (EGb 761). Recent developments] **Presse Med** 1986 Sep 25;15(31):1441–604 **(Fre)**
[Treatment of the disorders of aging with Ginkgo biloba extract. From pharmacology to clinical medicine] Allard M. **Presse Med** 1986 Sep 25;15(31):1540–5 (38 ref.) (Eng. Abstr.) **(Fre)**
[Pharmacological bases of the vascular impact of Ginkgo biloba extract] Auguet M, et al. **Presse Med** 1986 Sep 25; 15(31):1524–8 (33 ref.) (Eng. Abstr.) **(Fre)**
[Ginkgo biloba extract in the treatment of arteriopathy of the lower extremities. A 65-week trial] Bauer U. **Presse Med** 1986 Sep 25;15(31):1546–9 (Eng. Abstr.) **(Fre)**
[The world's oldest tree in the service of modern therapeutics (editorial)] Cambier J. **Presse Med** 1986 Sep 25;15(31):1441 **(Fre)**
[Effect of Ginkgo biloba extract on the hemato-encephalic barrier] Chabrier PE, et al. **Presse Med** 1986 Sep 25; 15(31):1498–501 (22 ref.) (Eng. Abstr.) **(Fre)**
[From the body to the cell membrane: the different levels of pharmacological action of Ginkgo biloba extract] Clostre F. **Presse Med** 1986 Sep 25;15(31):1529–38 (45 ref.) (Eng. Abstr.) **(Fre)**
[Effect of Ginkgo biloba extract on the electrophysiology of the isolated retina from a diabetic rat] Doly M, et al. **Presse Med** 1986 Sep 25;15(31):1480–3 (Eng. Abstr.) **(Fre)**
[Preparation and definition of Ginkgo biloba extract] Drieu K. **Presse Med** 1986 Sep 25;15(31):1455–7 (Eng. Abstr.) **(Fre)**
[Therapeutic trial in acute cochlear deafness. A comparative study of Ginkgo biloba extract and nicergoline] Dubreuil C. **Presse Med** 1986 Sep 25;15(31):1559–61 (Eng. Abstr.) **(Fre)**
[Mechanism of action of Ginkgo biloba extract in experimental cerebral edema] Etienne A, et al. **Presse Med** 1986 Sep 25;15(31):1506–10 (27 ref.) (Eng. Abstr.) **(Fre)**
[Effect of Ginkgo biloba extract on biological endocrine parameters] Felber JP. **Presse Med** 1986 Sep 25; 15(31):1573–4 (Eng. Abstr.) **(Fre)**
[Protective effects of Ginkgo biloba extract on the early rupture of the hemato-encephalic barrier in the rat] Grosdemouge C, et al. **Presse Med** 1986 Sep 25; 15(31):1502–5 (Eng. Abstr.) **(Fre)**
[Effects of Ginkgo biloba extract on 2 models of experimental myocardial ischemia] Guillon JM, et al. **Presse Med** 1986 Sep 25;15(31):1516–9 (Eng. Abstr.) **(Fre)**
[Treatment of equilibrium disorders with Ginkgo biloba extract. A multicenter double-blind drug vs. placebo study] Haguenauer JP, et al. **Presse Med** 1986 Sep 25; 15(31):1569–72 (Eng. Abstr.) **(Fre)**
[Development of a model to study the anti-edema properties of Ginkgo biloba extract] Hannequin D, et al. **Presse Med** 1986 Sep 25;15(31):1575–6 (Eng. Abstr.) **(Fre)**
[Activity of Ginkgo biloba extract on short-term memory] Hindmarch I. **Presse Med** 1986 Sep 25;15(31):1592–4 (Eng. Abstr.) **(Fre)**
[Idiopathic cyclic edema. The role of capillary hyperpermeability and its correction by Ginkgo biloba extract] Lagrue G, et al. **Presse Med** 1986 Sep 25; 15(31):1550–3 (Eng. Abstr.) **(Fre)**
[Recurrent shock with monoclonal gammopathy. Treatment in the acute and chronic phases with oral and parenteral Ginkgo biloba extract] Lagrue G, et al. **Presse Med** 1986 Sep 25;15(31):1554–5 (Eng. Abstr.) **(Fre)**
[Treatment of senile macular degeneration with Ginkgo biloba extract. A preliminary double-blind drug vs. placebo study] Lebuisson DA, et al. **Presse Med** 1986 Sep 25; 15(31):1556–8 (Eng. Abstr.) **(Fre)**
[Multicenter randomized double-blind drug vs. placebo study of the treatment of tinnitus with Ginkgo biloba extract] Meyer B. **Presse Med** 1986 Sep 25;15(31):1562–4 (Eng. Abstr.) **(Fre)**
[The doyen of trees: the Ginkgo biloba] Michel PF. **Presse Med** 1986 Sep 25;15(31):1450–4 (Eng. Abstr.) **(Fre)**
[Absorption, distribution and elimination of a labelled extract of Ginkgo biloba leaves in the rat] Moreau JP, et al. **Presse Med** 1986 Sep 25;15(31):1458–61 (Eng. Abstr.) **(Fre)**
[Effects of Ginkgo biloba extract on functional brain activity.. An assessment of clinical and experimental studies] Pidoux B. **Presse Med** 1986 Sep 25;15(31):1588–91 (4 ref.) (Eng. Abstr.) **(Fre)**
[Antiradical properties of Ginkgo biloba extract] Pincemail J, et al. **Presse Med** 1986 Sep 25;15(31):1475–9 (Eng. Abstr.) **(Fre)**
[Neuromediator changes during cerebral aging. The effect of Ginkgo biloba extract] Racagni G, et al. **Presse Med** 1986 Sep 25;15(31):1488–90 (11 ref.) (Eng. Abstr.) **(Fre)**
[Cerebral glucose consumption. The effect of Ginkgo biloba extract] Rapin JR, et al. **Presse Med** 1986 Sep 25; 15(31):1494–7 (Eng. Abstr.) **(Fre)**
[Effects of Ginkgo biloba extract on the morphological preservation of vestibular sensory epithelia in mice] Raymond J. **Presse Med** 1986 Sep 25;15(31):1484–7 (Eng. Abstr.) **(Fre)**
[Effect of Ginkgo biloba extract on arteriolar spasm in rabbits] Reuse-Blom S, et al. **Presse Med** 1986 Sep 25; 15(31):1520–3 (Eng. Abstr.) **(Fre)**
[Effects of Ginkgo biloba extract on a cerebral ischemia model in gerbils] Spinnewyn B, et al. **Presse Med** 1986 Sep 25;15(31):1511–5 (Eng. Abstr.) **(Fre)**
[Treatment of cerebral aging disorders with Ginkgo biloba extract. A longitudinal multicenter double-blind drug vs. placebo study] Taillandier J, et al. **Presse Med** 1986 Sep 25;15(31):1583–7 (Eng. Abstr.) **(Fre)**
[Neuromediator binding to receptors in the rat brain. The effect of chronic administration of Ginkgo biloba extract] Taylor JE. **Presse Med** 1986 Sep 25;15(31):1491–3 (Eng. Abstr.) **(Fre)**
[Clinical psychopharmacology of Ginkgo biloba extract] Warburton DM. **Presse Med** 1986 Sep 25;15(31):1595–604 (30 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of decreasing cardiac performance. Therapy using standardized crataegus extract in advanced age] O'Conolly M, et al. **Fortschr Med** 1986 Nov 13; 104(42):805–8 (Eng. Abstr.) **(Ger)**
[Personal experiences in naturopathy. The proven value of bandages and compresses. Plant externa (I): Phlogistic agents] Zimmermann W. **Fortschr Med** 1987 Aug 10; 105(23):23–4 **(Ger)**
[Do we need naturopathy?] Zimmermann W. **Fortschr Med** 1987 Jan 20;105(2):25–6 **(Ger)**
[Medico-geographic aspects: the role of popular therapeutic methods and medicinal plants in the Szabolcs-Szatmár Region and its vicinity] Vargha GL. **Geogr Med** 1986; 16:83–99 **(Ger)**
[The herb garden. The origin, significance and functions of a cultural memorial] Kremer BP. **Pharm Unserer Zeit** 1986 Sep;15(5):144–54 **(Ger)**
[Betel—a popular pleasure-giving substance in South Asia] Schneider E. **Pharm Unserer Zeit** 1986 Nov;15(6):161–6 **(Ger)**
[The place of medicinal plants in the health practices of the people of the GDR] Blumenthal-Barby K, et al. **Pharmazie** 1986 Aug;41(8):594–5 **(Ger)**
[Clinical study of a new preparation from plantago seeds and senna pods] Bossi S, et al. **Acta Biomed Ateneo Parmense** 1986;57(5–6):179–86 (Eng. Abstr.) **(Ita)**
[Controlled study on the effects of 2 different therapeutic approaches in the treatment of chronic constipation] Borgia M, et al. **Clin Ter** 1986 Aug 15;118(3):165–70 (Eng. Abstr.) **(Ita)**
[Standardized extract of Pygeum africanum in the treatment of benign prostatic hypertrophy. Controlled clinical study versus placebo] Bassi P, et al. **Minerva Urol Nefrol** 1987 Jan-Mar;39(1):45–50 (Eng. Abstr.) **(Ita)**
[The effects of xiao-chai-hu-tang (syosaiko-to) on lymphokine-activated killer (LAK) cell activity] Mizoguchi Y, et al. **Arerugi** 1986 Nov;35(11):1119–21 (Eng. Abstr.) **(Jpn)**
[Relation between cancer immunity and combination therapy by Chinese traditional medicine and Western medicine and its prognosis] Xian MS. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3334–42 **(Jpn)**
[The clinical effects of Tsumura No. 111 Seishin-rensi-in on irregular complaints of the urinary tract] Ohno J, et al. **Hinyokika Kiyo** 1986 Jul;32(7):1069–73 (Eng. Abstr.) **(Jpn)**
[Rhubarb therapy in patients with chronic renal failure (Part 2)] Mitsuma T, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb; 29(2):195–207 (Eng. Abstr.) **(Jpn)**
[A severe case of drug-induced allergic hepatitis in herbal medicine] Mizoguchi Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1453–6 **(Jpn)**
[Pharmacological studies of some blended traditional Chinese medicines on gastric functions. (1). The effects of oren-gedoku-to (OGT), san'o-syasin-to (SST), antyu-san (AS) and dai-saiko-to (DST) on ethanol- and aspirin-induced injury of gastric mucosal barrier] Takase H, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):299–306 (Eng. Abstr.) **(Jpn)**
[Studies on the origin, processing and quality of crude drugs. V. Pharmacologic evaluations of the Chinese drug "zhu" in experimental gastric ulcer. (5). The preventive effects of Atractylodes ovata on stress-induced gastric ulcer] Nogami M, et al. **Yakugaku Zasshi** 1986 Jun;106(6):498–503 (Eng. Abstr.) **(Jpn)**
[Studies on chemical protectors against radiation. XXV. Radioprotective activities of various crude drugs] Ohta S, et al. **Yakugaku Zasshi** 1987 Jan;107(1):70–5 (Eng. Abstr.) **(Jpn)**
[Pharmaceutical studies on crude drugs. I. Effect of the Zingiberaceae crude drug extracts on sulfaguanidine absorption from rat small intestine] Sakai K, et al. **Yakugaku Zasshi** 1986 Oct;106(10):947–50 (Eng. Abstr.) **(Jpn)**
[Toxicological studies on biological effects of the herbal drug extracts in rats and mice. II. Moutan bark, Glycyrrhiza and Bupleurum root] Tanaka S, et al. **Yakugaku Zasshi** 1986 Aug;106(8):671–86 (Eng. Abstr.) **(Jpn)**
[Effect of sho-saiko-to and mecobalamin on the biological responses in methotrexate treated rats. Especially from biorheological view points] Tani T, et al. **Yakugaku Zasshi** 1987 Mar;107(3):199–208 (Eng. Abstr.) **(Jpn)**
[Effect of crude drugs and their prescriptions on the blood rheology affected by glucocorticoid treatment. IV. Effect of sho-saiko-to, dai-saiko-to and their constituent crude drugs on adverse reactions in betamethasone treated rat] Tani T, et al. **Yakugaku Zasshi** 1986 Sep;106(9):808–17 (Eng. Abstr.) **(Jpn)**
[Anti-ulcer action of chikusetsusaponin III] Yamahara J, et al. **Yakugaku Zasshi** 1987 Feb;107(2):135–9 (Eng. Abstr.) **(Jpn)**
[Effect of Stevia rebaudiana in Biomphalaria glabrata] Kawano T, et al. **Rev Bras Biol** 1986 Aug;46(3):555–62 (Eng. Abstr.) **(Por)**
[Forensic pharmacognosy: drugs from plants—myth and reality (II)] Grigorescu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec;90(4):741–5 **(Rum)**
[Effectiveness of legalon and essentiale in a tetracycline-induced liver lesion] Skakun NP, et al. **Antibiot Med Biotekhnol** 1986 Oct;31(10):781–4 (Eng. Abstr.) **(Rus)**
[Effect of Eleutherococcus on the subcellular structures of the heart in experimental myocardial infarct] Afanas'eva TN, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):212–5 (Eng. Abstr.) **(Rus)**
[Effect of the glycosides of Eleutherococcus senticosus on the hemodynamic indices of children with hypotensive states] Kaloeva ZD. **Farmakol Toksikol** 1986 Sep-Oct; 49(5):73 (Eng. Abstr.) **(Rus)**
[Pharmacodynamics of Adonis chrysocyanthus] Mamadov IuM. **Farmakol Toksikol** 1986 Sep-Oct;49(5):71–2 (Eng. Abstr.) **(Rus)**
[Action of ratibol on the blood coagulation system] Seifulla RD, et al. **Farmakol Toksikol** 1986 Jul-Aug;49(4):40–2 (Eng. Abstr.) **(Rus)**
[Effect of kaleflon on the course of experimental hepatitis] Ubeeva IP, et al. **Farmakol Toksikol** 1987 Jan-Feb; 50(1):66–71 (Eng. Abstr.) **(Rus)**
[Value of aerophytotherapy in the complex sanatorium and climate treatment of patients with pneumoconiosis and dust-induced bronchitis] Ostapchuk IF, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):20–2 (Eng. Abstr.) **(Rus)**
[Effect of aloe on the resistance of the optic nerve system of the eye] Dumbrova NE, et al. **Oftalmol Zh** 1986; (8):494–6 (Eng. Abstr.) **(Rus)**
[Methods of treating allergic diseases in children] Chistiakova AI, et al. **Pediatriia** 1986 Oct;(10):76–7 **(Rus)**
[Contact dermatitis caused by agave used for therapeutic purposes] Shatoian IuS, et al. **Vestn Dermatol Venerol** 1987; (2):63–4 (Eng. Abstr.) **(Rus)**
[Effect of St. John's wort and wild marjoram on the course of experimental acute rhinitis] Podkolzin AA, et al. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):40–4 (Eng. Abstr.) **(Rus)**
[Dilution of the toxic action of 5-fluorouracil on the mucosa of the small intestine in mice using the sap of plantain] Borovskaia TG, et al. **Vopr Onkol** 1987;33(7):60–4 (Eng. Abstr.) **(Rus)**
[Antimetastatic properties of aloe juice] Gribel' NV, et al. **Vopr Onkol** 1986;32(12):38–40 (Eng. Abstr.) **(Rus)**
[Enhancement of the selectivity of the action of the cytostatics cyclophosphane and 5-fluorouracil by using an extract of the Baikal skullcap in an experiment] Razina TG, et al. **Vopr Onkol** 1987;33(2):80–4 (Eng. Abstr.) **(Rus)**
[Phytotherapy in sanatorium and health resort practice] Ostapchuk IF, et al. **Vrach Delo** 1987 Apr;(4):7–9 (Eng. Abstr.) **(Rus)**
[Toxic-allergic dermatitis caused by Inula] Shatoian IuS, et al. **Vrach Delo** 1987 Jul;(7):85 **(Rus)**
[Dermatologic diseases in the traditional medicine of Mexico] Zurita Esquivel M, et al. **Bol Of Sanit Panam** 1986 Oct; 101(4):339–47 (Eng. Abstr.) **(Spa)**

ANALYSIS

Determination of volatile constituents of Chinese medicinal herbs by direct vaporization capillary gas chromatography/mass spectrometry. Chen YZ, et al. **Anal Chem** 1987 Mar 1;59(5):744–8
The glucomannan system from Aloe vahombe (liliaceae). III. Comparative studies on the glucomannan components isolated from the leaves. Vilkas E, et al. **Biochimie** 1986 Sep;68(9):1123–7
Effect of extract from salviae miltiorrhizae radix on uremic rats. Chung HY, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3818–22
Ponfolin: a new coumarin from trifoliate orange. Furukawa H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3922–4
Studies on dental caries prevention by traditional medicines. X. Antibacterial action of phenolic components from mace against Streptococcus mutans. Hattori M, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3885–93
Studies on antitumor cyclic hexapeptides RA obtained from rubiae radix, rubiaceae. VI. Minor antitumor constituents. Itokawa H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3762–8
Tubeimoside I, a new cyclic bisdesmoside from Chinese cucurbitaceous folk medicine "tu bei mu", a tuber of Bolbostemma paniculatum. Kasai R, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3974–7
Tannins and related compounds. XLVIII. Rhubarb. (7). Isolation and characterization of new dimeric and trimeric procyanidins. Kashiwada Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4083–91
Studies on the constituents of Vitex rotundifolia L. fil. Kondo

Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4829–32

The X-ray analysis of caesalpin J from sappan lignum. Miyahara K, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct; 34(10):4166–9

A comparative study of crude drugs in Southeast Asia. X. Crude drugs derived from Equisetum species. Nitta A, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1135–9

Analytical studies on the active constituents in crude drugs. III. High-speed liquid chromatographic determination of ecdysterone and inokosterone in Achyranthis radix. Ogawa S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):904–8

Coriania from Coriaria japonica A. Gray, and sesquiterpene lactones from Loranthus parasiticus Merr. used for treatment of schizophrenia. Okuda T, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):182–7

Pharmacological studies of Panacis Japonici Rhizoma. I. Saito H, et al. **Chem Pharm Bull (Tokyo)** 1977 May; 25(5):1017–25

Chemical and pharmaceutical studies on medicinal plants in Paraguay. I. Isolation and identification of lens aldose reductase inhibitor from "tapecué," Acanthospermum australe O.K. Shimizu M, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1234–7

Anti-inflammatory constituents of topically applied crude drugs. I. Constituents and anti-inflammatory effect of Eriobotrya japonica LINDL. Shimizu M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2614–7

Studies on the constituents of Asclepiadaceae plants. LXVI. The structures of three new glycosides, cynapanosides A, B, and C, from the Chinese drug "xu-chang-qing," Cynanchum paniculatum Kitagawa. Sugama K, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4500–7

The constituents of Clitoria macrophylla Wall. Cat., a Thai medicinal plant. The structure of a new rotenoid, clitoriacetal. Taguchi H, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1026–30

Studies on constituents of medicinal plants. XVIII. Constituents of the leaves of Clethra barbinervis Sieb. et Zucc. (1). Takani M, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):981–5

Isolation of a platelet aggregation inhibitor from Angelicae radix. Toriizuka K, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5011–5

The active principle of alismatis rhizoma which inhibits contractile responses in aorta. Yamahara J, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4422–4

Effect of extract from rhei rhizoma on dietary hyperazotemia in rats. Yokozawa T, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4233–7

Experimental investigation of the antihypercholesteremic element separated from the Chinese medicinal herb Drynaria fortunei (Kunze) J, SM. Wang AG, et al. **Chin Med J [Engl]** 1987 Mar;100(3):242–7

Opiates in poppy seed: effect on urinalysis results after consumption of poppy seed cake-filling. Pettitt BC Jr, et al. **Clin Chem** 1987 Jul;33(7):1251–2

Stabilisation of collagen by betel nut polyphenols as a mechanism in oral submucous fibrosis. Scutt A, et al. **Experientia** 1987 Apr 15;43(4):391–3

Antibacterial activity of essential oil of Tagetes erecta Linn. Garg SC, et al. **Hindustan Antibiot Bull** 1986 Feb–Nov; 28(1–4):27–9

Excretion of codeine and morphine following ingestion of poppy seeds. Struempler RE. **J Anal Toxicol** 1987 May–Jun;11(3):97–9

Detection of morphine and codeine following consumption of poppy seeds [letter] Zebelman AM, et al. **J Anal Toxicol** 1987 May–Jun;11(3):131–2

High-performance liquid chromatographic separation of quaternary alkaloids of Chelidonium majus L. roots. Bugatti C, et al. **J Chromatogr** 1987 Apr 29;393(2):312–6

Determination of coumarins in Cnidium monnieri fructus by high-performance liquid chromatography. Sagara K, et al. **J Chromatogr** 1987 Feb 13;388(2):448–54

Pharmacognostical studies of Tabernaemontana species. XX. Ion-pair droplet counter-current chromatography of indole alkaloids from suspension cultures. van der Heijden R, et al. **J Chromatogr** 1987 Jun 19;396:410–5

Dose-response effects of Desmodium adscendens aqueous extract on histamine response, content and anaphylactic reactions in the guinea pig. Addy ME, et al. **J Ethnopharmacol** 1986 Oct;18(1):13–20

Estrogenic and postcoital anticonceptive activity in rats of butin isolated from Butea monosperma seed. Bhargava SK. **J Ethnopharmacol** 1986 Oct;18(1):95–101

Screening of some Somalian medicinal plants for antimicrobial activity. Elmi AS, et al. **J Ethnopharmacol** 1986 Sep;17(3):283–8

Preclinical and clinical studies with latex from Ficus glabrata HBK, a traditional intestinal anthelminthic in the Amazonian area. Hansson A, et al. **J Ethnopharmacol** 1986 Aug;17(2):105–38

Influence of Epilobium extracts on prostaglandin biosynthesis and carrageenin induced oedema of the rat paw. Hiermann A, et al. **J Ethnopharmacol** 1986 Aug;17(2):161–9

Comparative choleretic and hepatoprotective properties of young sprouts and total plant extracts of Rosmarinus officinalis in rats. Hoefler C, et al. **J Ethnopharmacol** 1987 Mar–Apr;19(2):133–43

Antipyretic studies on some indigenous Pakistani medicinal plants: II. Ikram M, et al. **J Ethnopharmacol** 1987 Mar–Apr; 19(2):185–92

A steryl glycoside fraction with hemolytic activity from tubers of Momordica cochinchinensis. Ng TB, et al. **J Ethnopharmacol** 1986 Oct;18(1):55–61

Smooth muscle contracting lipid-soluble principles in chromatographic fractions of Ocimum gratissimum. Onajobi FD. **J Ethnopharmacol** 1986 Oct;18(1):3–11

Effects of Olax gambecola methanol extract on smooth muscle and rat blood pressure. Parry O, et al. **J Ethnopharmacol** 1986 Oct;18(1):63–88

Biochemical modes of action of Cassia occidentalis and Cardiospermum halicacabum in inflammation. Sadique J, et al. **J Ethnopharmacol** 1987 Mar–Apr;19(2):201–12

Mucilage in seeds of Plantago ovata and its wild allies. Sharma PK, et al. **J Ethnopharmacol** 1986 Sep;17(3):289–95

Zoapatle. XII. In vitro effect of kaurenoic acid isolated from Montanoa frutescens and two derivatives upon human spermatozoa. Valencia A, et al. **J Ethnopharmacol** 1986 Oct;18(1):89–94

Active principles of Tetradenia riparia. I. Antimicrobial activity of 8(14),15-sandaracopimaradiene-7 alpha,18-diol. van Puyvelde L, et al. **J Ethnopharmacol** 1986 Sep; 17(3):269–75

Effect of Momordica charantia on the glucose tolerance in maturity onset diabetes. Welihinda J, et al. **J Ethnopharmacol** 1986 Sep;17(3):277–82

Extra-pancreatic effects of Momordica charantia in rats. Welihinda J, et al. **J Ethnopharmacol** 1986 Sep;17(3):247–55

Crystallization and preliminary X-ray diffraction studies of the lectin from Erythrina corallodendron. Saper MA, et al. **J Mol Biol** 1987 Feb 20;193(4):823–4

3-Dimethylallylindole: an antibacterial and antifungal metabolite from Monodora tenuifolia. Adeoye AO, et al. **J Nat Prod** 1986 May–Jun;49(3):534–7

Three new lanostanoids from Ganoderma lucidum. Arisawa M, et al. **J Nat Prod** 1986 Jul–Aug;49(4):621–5

3-Methoxy-5-hydroxyflavonols from Tillandsia purpurea. Arslanian RL, et al. **J Nat Prod** 1986 Nov–Dec; 49(6):1177–8

Limonoids of Teclea ouabanguiensis. Ayafor JF, et al. **J Nat Prod** 1986 Jul–Aug;49(4):583–7

Isolation of methyl gallate as the antitumor principle of Acer saccharinum. Bailey AE, et al. **J Nat Prod** 1986 Nov–Dec; 49(6):1149–50

Tiliroside from the seeds of Eremocarpus setigerus. Bajaj R, et al. **J Nat Prod** 1986 Nov–Dec;49(6):1174–5

Barbourgenin, a new steroidal sapogenin from Agave sisalana leaves. Blunden G, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):687–9

Pulcherralpin, a new diterpene ester from Caesalpinia pulcherrima. Che CT, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):561–9

New C6–C3 and C6–C1 compounds from Piper lenticellosum. Diaz PP, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):690–1

Plant anticancer agents XLIV. Cytotoxic constituents from Stizophyllum riparium. Duh CY, et al. **J Nat Prod** 1987 Jan–Feb;50(1):63–74

Plant anticancer agents, XLII. Cytotoxic constituents from Wikstroemia elliptica. Duh CY, et al. **J Nat Prod** 1986 Jul–Aug;49(4):706–9

On the active principles of the Euphorbiaceae, XII. Highly unsaturated irritant diterpene esters from Euphorbia tirucalli originating from Madagascar. Fürstenberger G, et al. **J Nat Prod** 1986 May–Jun;49(3):386–97

New taxanes from Taxus brevifolia, 2. Huang CH, et al. **J Nat Prod** 1986 Jul–Aug;49(4):665–9

Justicidin B, a bioactive trace lignan from the seeds of Sesbania drummondii. Hui YH, et al. **J Nat Prod** 1986 Nov–Dec;49(6):1175–6

Isolation and structure (X-ray analysis) of ent-norsecurinine, an alkaloid from Phyllanthus niruri. Joshi BS, et al. **J Nat Prod** 1986 Jul–Aug;49(4):614–20

Effects of phenolic constituents from the mulberry tree on arachidonate metabolism in rat platelets. Kimura Y, et al. **J Nat Prod** 1986 Jul–Aug;49(4):639–44

Antitumor agents, 85. Cicutoxin, an antileukemic principle from Cicuta maculata, and the cytotoxicity of the related derivatives. Konoshima T, et al. **J Nat Prod** 1986 Nov–Dec; 49(6):1117–21

Antitumor agents, 82. Cytotoxic sapogenols from Aesculus hippocastanum. Konoshima T, et al. **J Nat Prod** 1986 Jul–Aug;49(4):650–6

Biologically active coumarins from Enkleia siamensis. Luo ZY, et al. **J Nat Prod** 1986 Nov–Dec;49(6):1161–2

Cactus alkaloids, LXI. Identification of mescaline and related compounds in eight additional species using tlc and ms/ms. Ma WW, et al. **J Nat Prod** 1986 Jul–Aug;49(4):735–7

New daucane esters from Ferula tingitana. Miski M, et al. **J Nat Prod** 1986 Jul–Aug;49(4):657–60

Two new quassinoids from Simaba multiflora fruits. Moretti C, et al. **J Nat Prod** 1986 May–Jun;49(3):440–4

Rhamnetin-3-O-neohesperidoside, a new flavonoid from the leaves of Derris trifoliata. Nair AG, et al. **J Nat Prod** 1986 Jul–Aug;49(4):710–1

Plants as sources of antimalarial drugs, Part 4: Activity of Brucea javanica fruits against chloroquine-resistant Plasmodium falciparum in vitro and against Plasmodium berghei in vivo. O'Neill MJ, et al. **J Nat Prod** 1987 Jan–Feb; 50(1):41–8

Antineoplastic agents, 120. Pancratium littorale. Pettit GR, et al. **J Nat Prod** 1986 Nov–Dec;49(6):995–1002

Isolation, structure, and synthesis of combretastatins A-1 and B-1, potent new inhibitors of microtubule assembly, derived from Combretum caffrum. Pettit GR, et al. **J Nat Prod** 1987 Jan–Feb;50(1):119–31

Isolation of lapachol from Diphysa robinoides. Sagrero-Nieves L. **J Nat Prod** 1986 May–Jun;49(3):547

Vasoactive substances from Saussurea lappa. Shoji N, et al. **J Nat Prod** 1986 Nov–Dec;49(6):1112–3

Novel chromones from Spathelia sorbifolia. Suwanborirux K, et al. **J Nat Prod** 1987 Jan–Feb;50(1):102–7

2,3-Dihydroauriculatin, a new prenylated isoflavanone from Erythrina senegalensis. Application of the selective inept technique. Taylor RB, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):670–3

Coumarins and flavonoids from Daphne gnidioides. Ulubelen A, et al. **J Nat Prod** 1986 Jul–Aug;49(4):692–4

Funebral, a new pyrrole lactone alkaloid from Quararibea funebris. Zennie TM, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):695–8

Compounds extracted from feverfew that have anti-secretory activity contain an alpha-methylene butyrolactone unit. Groenewegen WA, et al. **J Pharm Pharmacol** 1986 Sep; 38(9):709–12

The activity of compounds extracted from feverfew on histamine release from rat mast cells. Hayes NA, et al. **J Pharm Pharmacol** 1987 Jun;39(6):466–70

Extracts of feverfew may inhibit platelet behaviour via neutralization of sulphydryl groups. Heptinstall S, et al. **J Pharm Pharmacol** 1987 Jun;39(6):459–65

Dehydropipernonaline, an amide possessing coronary vasodilating activity, isolated from Piper longum L. Shoji N, et al. **J Pharm Sci** 1986 Dec;75(12):1188–9

Pharmacological studies on ginger. II. Pressor action of (6)-shogaol in anesthetized rats, or hindquarters, tail and mesenteric vascular beds of rats. Suekawa M, et al. **J Pharmacobiodyn** 1986 Oct;9(10):842–52

Pharmacological studies on ginger. III. Effect of the spinal destruction on (6)-shogaol-induced pressor response in rats. Suekawa M, et al. **J Pharmacobiodyn** 1986 Oct; 9(10):853–60

Drugs, insecticides and other agents from Artemisia. Sherif A, et al. **Med Hypotheses** 1987 Jun;23(2):187–93

Amaryllidaceae alkaloids. Grundon MF. **Nat Prod Rep** 1987 Apr;4(2):89–94 (20 ref.)

New constituents of Zanthoxylum rigidifolium root. Adesina SK, et al. **Pharmazie** 1986 Oct;41(10):747

Triterpenoids of Aesculus indica. Sati OP, et al. **Pharmazie** 1987 Feb;42(2):141

Antibacterial activity of juliflorine isolated from Prosopis juliflora. Ahmad A, et al. **Planta Med** 1986 Aug;(4):285–8

Biological active macrocyclic diterpenoids from Chinese drug "fáng féng cáo"; II. Derivatives of ovatodiolids and their cytotoxicity. Arisawa M, et al. **Planta Med** 1986 Aug; (4):297–9

Effects of Sebastiana schottiana extracts on isolated smooth muscle contraction. Calixto JB, et al. **Planta Med** 1986 Dec; (6):444–5

Activation of peritoneal macrophages by sitoindoside-IV, an anti-ulcerogenic acylsterylglycoside from Musa paradisiaca. Chattopadhyay S, et al. **Planta Med** 1987 Feb; 53(1):16–8

Study of the antipyretic activity of matrine. A lupin alkaloid isolated from Sophora subprostrata. Cho CH, et al. **Planta Med** 1986 Oct;(5):343–5

Effect of extracts of some medicinal plants on superoxide dismutase activity in mice. Dai YR, et al. **Planta Med** 1987 Jun;53(3):309–10

Antitumor agents: LXXXVII. Cytotoxic antileukemic canthin-6-one alkaloids from Brucea antidysenterica and the structure activity relationships of their related derivatives. Fukamiya N, et al. **Planta Med** 1987 Apr; 53(2):140–3

Isolation and hypoglycemic activity of oryzarans A, B, C, and D: glycans of Oryza sativa roots. Hikino H, et al. **Planta Med** 1986 Dec;(6):490–2

Comparison of the antiviral effects of naturally occurring thiophenes and polyacetylenes. Hudson JB, et al. **Planta Med** 1986 Dec;(6):453–7

Antitumour principles from Alpinia galanga. Itokawa H, et al. **Planta Med** 1987 Feb;53(1):32–3

Effects of kampohozai (Chinese traditional medicines) on the immune responses; I. In vivo studies of hochuekkito, juzendaihoto and tokishakuyakusan using sheep red blood cell as antigen in mice. Iwama H, et al. **Planta Med** 1986 Aug;(4):247–50

Hypoglycemic activity of Salvia lavandulifolia. Jimenez J, et al. **Planta Med** 1986 Aug;(4):260–2

Pharmacological actions of fumariline isolated from Fumaria indica seeds. Kumar A, et al. **Planta Med** 1986 Aug; (4):324–5

Antitussive effects of L-ephedrine, amygdalin, and makyokansekito (Chinese traditional medicine) using a cough model induced by sulfur dioxide gas in mice. Miyagoshi M, et al. **Planta Med** 1986 Aug;(4):275–8

The potencies of thapsigargin and analogues as activators of rat peritoneal mast cells. Norup E, et al. **Planta Med** 1986 Aug;(4):251–5

Pharmacological activity of Prunus spinosa on isolated tissue preparations. Rodriguez R, et al. **Planta Med** 1986 Aug; (4):256–9

Cytotoxic activity of polyindoline alkaloids of Psychotria forsteriana (Rubiaceae) (1). Roth A, et al. **Planta Med** 1986

Dec;(6):450–3

A comparative study of the efficacy of Pavetta indica and Osbeckia octandra in the treatment of liver dysfunction. Thabrew MI, et al. **Planta Med** 1987 Jun;53(3):239–41

Hypoglycemic activity of twenty plant mucilages and three modified products. Tomoda M, et al. **Planta Med** 1987 Feb; 53(1):8–12

Coumestans as the main active principles of the liver drugs Eclipta alba and Wedelia calendulacea. Wagner H, et al. **Planta Med** 1986 Oct;(5):370–4

Bradykinin-degrading glycoprotein in Aloe arborescens var. natalensis. Yagi A, et al. **Planta Med** 1987 Feb;53(1):19–21

Antihepatotoxic principles of Wedelia chinensis herbs. Yang LL, et al. **Planta Med** 1986 Dec;(6):499–500

The vascular effects of Ilex pubescens. Yang ML, et al. **Planta Med** 1986 Aug;(4):262–5

Isolation, and characterization of a bioactive volatile oil from Ducrosia ismaelis Asch. Al-Meshal IA. **Res Commun Chem Pathol Pharmacol** 1986 Oct; 54(1):129–32

Two new antiepilepsy compounds—otophyllosides A and B. Mu QZ, et al. **Sci Sin [B]** 1986 Mar;29(3):295–301

Estimation of arecoline contents in commercial areca (betel) nuts and its relation to oral precancerous lesions. Awang MN. **Singapore Med J** 1986 Aug;27(4):317–20

[A pentacyclic triterpene acid from Tripterygium wilfordii] Zhang CP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):204–6 (Eng. Abstr.) (Chi)

[Inhibitory effect of tripterine on the proliferation of lymphocytes in mice] Zhang LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):85–8 (Eng. Abstr.) (Chi)

[Preliminary study on girdling of Phellodendron amurense in consecutive years] Bai XL. **Chung Yao Tung Pao** 1986 Nov;11(11):8–9 (Chi)

[Factors affecting the content of artemisinin] Chen HR. **Chung Yao Tung Pao** 1986 Jul;11(7):9–11 (Chi)

[Determination of aristolochic acid in radix Stephaniae tetradrae (Aristolochia fangchi)] Chou LD. **Chung Yao Tung Pao** 1986 Jun;11(6):43–5 (Chi)

[Strains and quality of zhiqiao in Jiangxi Province] Ding XF. **Chung Yao Tung Pao** 1986 May;11(5):11–2 (Chi)

[Determination of total aralosides in Aralia mandshurica grown in Jilin and Liaoning Provinces] Dong WC. **Chung Yao Tung Pao** 1986 Jul;11(7):44–6 (Chi)

[Chemical constituents of Notopterygium incisum (III). Analysis of sugars, amino acids and organic acids] Fan JF. **Chung Yao Tung Pao** 1986 Sep;11(9):44–6 (Chi)

[Chemical constituents of heiman (Tripterygium regelii)] Gao QP. **Chung Yao Tung Pao** 1987 Jan;12(1):41–2 (Chi)

[Determination of the chemical constituents in styptic powder No 4.] He YL. **Chung Yao Tung Pao** 1986 Sep; 11(9):40–2 (Chi)

[TLC-fluorometric determination of psoralen and isopsoralen in compound granules of Psoralea] Huang XS. **Chung Yao Tung Pao** 1987 Jan;12(1):26–9 (Chi)

[Determination of hydroxygenkwanin in the leaves of Daphne genkwa] Ji CR. **Chung Yao Tung Pao** 1986 Jul; 11(7):43–4 (Chi)

[Comparative analysis of volatile oil in different parts of Ephedra sinica] Jia YY. **Chung Yao Tung Pao** 1987 Feb; 12(2):10–1 (Chi)

[Influence of processing methods on the quality of Terminalia chebula] Jiang JY. **Chung Yao Tung Pao** 1986 Sep; 11(9):24–6 (Chi)

[Chemical analysis of duzhong (Eucommia ulmoides) bark and leaves] Li JS. **Chung Yao Tung Pao** 1986 Aug; 11(8):41–2 (Chi)

[Separation and determination of the poisonous alkaloids in Aconitum kusnezoffii and its processed products] Liu CJ. **Chung Yao Tung Pao** 1987 Feb;12(2):19–22 (Chi)

[Studies of chemical constituents of the genus Typha—the cattails] Liu FJ. **Chung Yao Tung Pao** 1986 Sep;11(9):3–4 (22 ref.) (Chi)

[Chemical constituents of the Tibetan drug Meconopsis punicea] Liu SY. **Chung Yao Tung Pao** 1986 Jun;11(6):40–2 (Chi)

[Preliminary studies on the compatibility of pingchuan no. 2 preparation] Liu XP. **Chung Yao Tung Pao** 1986 Jun; 11(6):31–2 (Chi)

[Trends in research on the active constituents of Chinese medicinal herbs used for cardio-cerebrovascular diseases] Liu ZZ. **Chung Yao Tung Pao** 1986 Oct;11(10):3–6 (28 ref.) (Chi)

[Comparison of the gentiopicroside content and preparation of the root of Gentiana scabra collected in different seasons and in different growing years] Lu YR. **Chung Yao Tung Pao** 1986 May;11(5):42–4 (Chi)

[Chemical constituents of Cistanche deserticola] Luo SF. **Chung Yao Tung Pao** 1986 Nov;11(11):41–2 (Chi)

[Experimental study on the method of removing tannin in the preparation of radix Salviae miltiorrhizae injections] Ren RJ. **Chung Yao Tung Pao** 1986 Sep;11(9):30–1 (Chi)

[Chemical constituents of the stems and roots of Gardenia jasminoides] Wang XF. **Chung Yao Tung Pao** 1986 Oct; 11(10):44–5 (Chi)

[Identification of xiaohuoluo wan by TLC scanning method] Wang YC. **Chung Yao Tung Pao** 1986 Jul;11(7):17–20 (Chi)

[TLC densitometric determination of benzoic acid in Daemonorops draco] Wei LX. **Chung Yao Tung Pao** 1986 Dec;11(12):43–5 (Chi)

[Alkaloid constituents in the leaves and stems of Fritillaria ussuriensis] Xu DM. **Chung Yao Tung Pao** 1986 Nov; 11(11):40–1 (Chi)

[Relation of pungent of Chinese materia medica to their attributive channels, functions and chemical constituents] Yan YQ. **Chung Yao Tung Pao** 1987 Jan;12(1):53–6 (Chi)

[GC-MS analysis of volatile oils from Chinese Asarum species] Yang CS. **Chung Yao Tung Pao** 1986 Jul; 11(7):39–43 (Chi)

[Determination of sucrose in shiquan dabu gao by optical rotation] Yang QL. **Chung Yao Tung Pao** 1986 Sep; 11(9):32–3 (Chi)

[Chemical constituents of Typha angustata and Typha angustifolia] Yang YH. **Chung Yao Tung Pao** 1986 Dec; 11(12):39–42 (Chi)

[Processing of frankincense] Yin YS. **Chung Yao Tung Pao** 1986 Oct;11(10):22–4 (Chi)

[Chemical constituents of Drymaria cordata] Yuan AX. **Chung Yao Tung Pao** 1987 Jan;12(1):36–7 (Chi)

[Methods on the quantitative determination of the active chemical constituents of Chinese herbal drugs] Zhang YZ. **Chung Yao Tung Pao** 1986 Jul;11(7):61–5 (Chi)

[Preliminary study on the accumulation of dry matter, nitrogen and phosphorus in Ligusticum chuanxiong] Zhong WG. **Chung Yao Tung Pao** 1987 Jan;12(1):12–4 (Chi)

[Chemical constituents of Morinda officinalis] Zhuo FX. **Chung Yao Tung Pao** 1986 Sep;11(9):42–3 (Chi)

[Histochemical study on rat brain during Coriaria lactone-induced epilepsy] Fang YX, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):107–10 (Eng. Abstr.) (Chi)

[An epileptic model of the generalized convulsion type of kindling induced by Coriaria lactone in rats] Wu LF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):104–6 (Eng. Abstr.) (Chi)

[Isolation and identification of the alkaloids from the stems and leaves of Alstonia yunnanensis] Chen WM, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):187–90 (Eng. Abstr.) (Chi)

[Determination of indigo and indirubin in qingdai by HPLC] Dai FB, et al. **Yao Hsueh Hsueh Pao** 1986 Nov; 21(11):868–71 (Eng. Abstr.) (Chi)

[The immunosuppressive activities of polysaccharides from Glehnia littoralis (bei sha shen)] Fang XD, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):931–4 (Eng. Abstr.) (Chi)

[Chemical studies on the alkaloids from yuanhu (Corydalis turtschaninovii Bess. F. Yanhusuo Y. H. Chou et C.C. Hsu). VI. Separation and determination of 6 tertiary alkaloids in yuanhu by RP-HPLC] Fu XY, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):527–31 (Eng. Abstr.) (Chi)

[Chemical studies on the alkaloids isolated from the tuber of Yuanhu (Corydalis turtschaninovii Bees. f. yanhusuo Y. H. Chou et C. C. Hsu)] Fu XY, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):447–53 (Eng. Abstr.) (Chi)

[Studies on the chemical constituents of Atalantia buxifolia (Poir.) Oliv] Gu YQ, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):792–5 (Eng. Abstr.) (Chi)

[Studies on the antibacterial constituents of Geranium sibiricum L.] Guo JS, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):28–32 (Eng. Abstr.) (Chi)

[Neolignans from Piper hancei Maxim] Han GQ, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):361–5 (Eng. Abstr.) (Chi)

[Alkaloids from Aconitum gymnandrum maxim (I)] Jiang SH, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):279–84 (Eng. Abstr.) (Chi)

[Isolation and structure determination of 5-hydroxy-damnacanthol-omega-ethyl ether from Damnacanthus subspinosus Hand-Mazz] Li GW, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):303–5 (Eng. Abstr.) (Chi)

[Isolation and identification of alkaloids from Fritillaria anhuiensis S. C. Chen et S. F. Yin] Li QH, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):767–71 (Eng. Abstr.) (Chi)

[Study on flavonoids of Iris dichotoma Pall] Li YQ, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):836–41 (Eng. Abstr.) (Chi)

[The isolation and structure of roxburic acid] Liang GY. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):121–5 (Eng. Abstr.) (Chi)

[Studies on the active constituents of Syringa amurensis-Rupr. II. Isolation and structural elucidation of methyl syramuraldehydate] Liang WZ, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):906–11 (Eng. Abstr.) (Chi)

[The structure of rehderianin I, a correction] Liu ML, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):706–7 (Eng. Abstr.) (Chi)

[Chemical studies on Aristolochia contorta Bunge. II. The structure of aristolochic acid E] Lou FC, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):702–5 (Eng. Abstr.) (Chi)

[Studies on the constituents of Erycibe ellipticlimba] Lu Y, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):829–35 (Eng. Abstr.) (Chi)

[Alkaloids of Lycopodia from Lyycopodiaceae (continued)] Luan XH, et al. **Yao Hsueh Hsueh Pao** 1986 May; 21(5):386–96 contd (71 ref.) (Chi)

[Studies on the alkaloids of lycopodia from Lycopodiaceae] Luan XH, et al. **Yao Hsueh Hsueh Pao** 1986 Apr; 21(4):310–7 contd (0 ref.) (Chi)

[N acridone alkaloid from the Chinese drug "tung-feng-jie" (Atalantia buxifolia)] Qin DK. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):683–5 (Eng. Abstr.) (Chi)

[Analysis of berberine-type alkaloids in rhizoma Coptidis and Chinese patent medicines by micellar chromatography] Qiu XX, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):458–65 (Eng. Abstr.) (Chi)

[High performance liquid chromatography of pinoresinol diglucoside in Eucommaia ulmoides oliv bark] Sha ZF, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):708–11 (Eng. Abstr.) (Chi)

[Studies on the chemical constituents of Saussurea involucrata] Wang HK, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):680–2 (Eng. Abstr.) (Chi)

[Chemical assay of anthraquinone derivatives in plant drugs] Wang MZ. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):230–7 (72 ref.) (Chi)

[Studies on the antibacterial constituents in the fruit of Lappula echinata Gilib] Wang XC, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):183–6 (Eng. Abstr.) (Chi)

[Studies on chemical constituents of hubeibeimu (Fritillaria hupehensis Hsiao et K. C. Hsia). V. Isolation and identification of hupehenisine] Wu JZ, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):546–50 (Eng. Abstr.) (Chi)

[Studies on the coumarins from the zou-ma-qin (Heracleum moellendorffii Hance var. Paucivitatum)] Wu SJ, et al. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):599–604 (Eng. Abstr.) (Chi)

[The structure of lactiflorasyne isolated from Artemisia lactiflora wall] Xu CJ, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):772–5 (Eng. Abstr.) (Chi)

[Coulometric titration of the total flavonoids and hyperin in Saururus chinensis (Lour.) Ball] Xu LX, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):306–9 (Eng. Abstr.) (Chi)

[Chemical investigation of glycosidal steroidal alkaloids of Northoliron hyacinthinum] Xu WH, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):177–82 (Eng. Abstr.) (Chi)

[Alkaloids from Stephania succifera H. S. Lo et Y-Tsoong] Xue Z, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):223–5 (Eng. Abstr.) (Chi)

[Isolation and structural elucidation of clausenamide from the leaves of Clausena lansium (Lour.) Skeels] Yang MH, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):33–40 (Eng. Abstr.) (Chi)

[A new compound, apiopaeonoside, isolated from the root of Paeonia suffruticosa] Yu J, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):191–7 (Eng. Abstr.) (Chi)

[Studies on the constituents of Zizyphus spinosus Hu] Zeng L, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):114–20 (Eng. Abstr.) (Chi)

[Determination of the structures of versicolactone B and versicolactone C in the root of Aristolochia versicolar S.M.Hwang] Zhang J, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):273–8 (Eng. Abstr.) (Chi)

[Separation and determination of the cholagogic components in bin hao (Artemisia scoparia) by HPLC] Zhang QW, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):922–7 (Eng. Abstr.) (Chi)

[Studies on triterpenoids of Tripterygium wilfordii Hood-F] Zhang WJ, et al. **Yao Hsueh Hsueh Pao** 1986 Aug; 21(8):592–8 (Eng. Abstr.) (Chi)

[Separation and determination of curcuminoids in Curcuma longa L. and its preparation by HPLC] Zhao DY, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):382–5 (Eng. Abstr.) (Chi)

[African medicinal plants. Alkaloids of Combretum micranthum G. Don (Kinkeliba)] Bassène E, et al. **Ann Pharm Fr** 1986;44(3):191–6 (Eng. Abstr.) (Fre)

[Alkaloids of fruits of Melodinus scandens Forster] Chazelet I, et al. **Ann Pharm Fr** 1986;44(5):355–62 (Eng. Abstr.) (Fre)

[Assay of caffeine, theobromine, catechin and epicatechin by high performance liquid chromatography in an extract of fresh stabilized cola seeds] Maillard C, et al. **Ann Pharm Fr** 1986;44(6):495–500 (Eng. Abstr.) (Fre)

[New quinones from the roots of Rubia cordifolia L.] Vidal-Tessier AM, et al. **Ann Pharm Fr** 1986;44(2):117–22 (Eng. Abstr.) (Fre)

[Determination of morphine in opium poppies with near infrared reflectance spectrophotometry] Deslandes H, et al. **Farmaco [Prat]** 1986 Dec;41(12):388–96 (Eng. Abstr.) (Fre)

[Helenine and santonine, the 12-carboxy-eudesma-3,11(13)-diene] Azoulay P, et al. **Pharm Acta Helv** 1986; 61(12):345–52 (Eng. Abstr.) (Fre)

[Flavonoids of the leaves of Melissa officinalis L. (Lamiaceae)] Mulkens A, et al. **Pharm Acta Helv** 1987; 62(1):19–22 (Eng. Abstr.) (Fre)

[Chemical and chemotaxonomic studies of pterophyten. LXIV. Chemical studies on the contents of Sceptridium ternatum var. ternatum] Tanaka N, et al.

Chem Pharm Bull (Tokyo) 1986 Sep;34(9):3727–32 (Eng. Abstr.) **(Ger)**

[Spartium and sparteine. Its antiarrhythmia action] Thies PW. **Pharm Unserer Zeit** 1986 Nov;15(6):172–6 **(Ger)**

[The antifungal action of triterpene saponins of Solidago virgaurea L.] Bader G, et al. **Pharmazie** 1987 Feb;42(2):140 **(Ger)**

[Plant drugs with residues of organochlorine compounds. 2. Identification of residues of DDT and its analogs by comparison of gas chromatography on packed and capillary columns and GC/MS coupling] Benecke R, et al. **Pharmazie** 1986 Jul;41(7):499–501 (Eng. Abstr.) **(Ger)**

[Analysis and action of cnicin] Schneider G, et al. **Planta Med** 1987 Jun;53(3):247–51 (Eng. Abstr.) **(Ger)**

[Cardiotonic active principles from Spigelia anthelmia] Wagner H, et al. **Planta Med** 1986 Oct;(5):378–81 (Eng. Abstr.) **(Ger)**

[In vitro 5-lipoxygenase inhibition by Elipta alba extracts and the coumestan derivative wedelolactone] Wagner H, et al. **Planta Med** 1986 Oct;(5):374–7 (Eng. Abstr.) **(Ger)**

[HPLC analysis of a drug in traditional medicine: Harpagophytum procumbens DC. I] Ficarra P, et al. **Boll Chim Farm** 1986 Jul;125(7):250–3 (Eng. Abstr.) **(Ita)**

[The problem of pesticide and heavy metal residues in plant-derived drugs used in the pharmaceutical industry] Lorusso S, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun; 36(3):169–80 (Eng. Abstr.) **(Ita)**

[Fundamental studies on the evaluation of crude drugs. IX. Soft X-ray analysis on crude drugs. (1). Evaluation on the quality of cinnamomi veri cortex by microradiogram] Mikage M, et al. **Yakugaku Zasshi** 1987 Mar;107(3):192–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of 3-cyanopropyltrichlorosilane treated thin layer chromatographic plates. Application to analysis of paeoniflorin in paeony roots] Okamoto M, et al. **Yakugaku Zasshi** 1986 Sep;106(9):837–9 (Eng. Abstr.) **(Jpn)**

[Tannins in Artemisia montana. A. princeps and related species of plant] Okuda T, et al. **Yakugaku Zasshi** 1986 Oct;106(10):894–9 (Eng. Abstr.) **(Jpn)**

[Screening test for calcium antagonists in natural products. The active principles of Magnolia obovata] Yamahara J, et al. **Yakugaku Zasshi** 1986 Oct;106(10):888–93 (Eng. Abstr.) **(Jpn)**

[Studies on Chinese medicines used in cancer. IV. Antitumor constituents in rhizoma zedoariae, periostracum cicadae, galla wisteriae, and radix Hostae] Yokota M, et al. **Yakugaku Zasshi** 1986 May;106(5):425–6 (Eng. Abstr.) **(Jpn)**

[The benz[a]pyrene content of the raw material of drug plants collected at different distances from roads] Romane Ela, et al. **Vopr Onkol** 1987;33(7):51–6 (Eng. Abstr.) **(Rus)**

[Castela texana: screening for its anti-amoebic activity] Calzado-Flores CC, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:127–34 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Further notes on the Chinese medicinal species of genus Trichosanthes L. Yue CX. **J Tradit Chin Med** 1986 Dec; 6(4):288

[Pharmacognosy studies on the Chinese drug guanzhong produced in northwest China] Ai TM. **Chung Yao Tung Pao** 1987 Feb;12(2):7–10 **(Chi)**

[Pharmacognostical studies on the Chinese drug guanzhong produced in the southwest] Ai TM. **Chung Yao Tung Pao** 1987 Mar;12(3):6–9 **(Chi)**

[Bentsaological (herbal) studies on haifenteng] Fan ST. **Chung Yao Tung Pao** 1986 Aug;11(8):13–7 **(Chi)**

[Correlation between the leaf shape and selection of certain parts of the plant for medicinal use and the distribution of chemical components in medicinal plants] Zhang CZ. **Chung Yao Tung Pao** 1986 Jul;11(7):7–9 **(Chi)**

[Origin and introduction of chaulmoogra (4 species of medicinal Hydnocarpus)] Zhao SW. **Chung Yao Tung Pao** 1986 May;11(5):7–10 **(Chi)**

[Medicinal plants of the genus Stephania in Sichuan Province] Zhao SY. **Chung Yao Tung Pao** 1986 Aug;11(8):18–9 **(Chi)**

[Pharmacognostical study on the crude drug, corni fructus "shanzhuyu"] Shimomura H, et al. **Yakugaku Zasshi** 1986 Oct;106(10):878–87 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[Traditional medicine in the Central Plateau of Haiti. 2. Ethnopharmacologic inventory] Weniger B, et al. **J Ethnopharmacol** 1986 Jul;17(1):13–30 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Elicitor-mediated induction of tryptophan decarboxylase and strictosidine synthase activities in cell suspension cultures of Catharanthus roseus. Eilert U, et al. **Arch Biochem Biophys** 1987 May 1;254(2):491–7

Purification and characterization of hyoscyamine 6 beta-hydroxylase from root cultures of Hyoscyamus niger L. Hydroxylase and epoxidase activities in the enzyme preparation. Hashimoto T, et al. **Eur J Biochem** 1987 Apr 15;164(2):277–85

GROWTH & DEVELOPMENT

Variation in the content and the composition of the essential oils in flower heads of Matricaria chamomilla L. during its ontogenetical development. Gasic O, et al. **Acta Pharm Hung** 1986 Nov;56(6):283–8

[Technic of culturing Fritillaria thunbergii] Bao DF. **Chung Yao Tung Pao** 1987 Jan;12(1):15–6 **(Chi)**

[Prevention and control of the larva of Pieris rapae on Isatis indigotica with "decis"] Bao DF. **Chung Yao Tung Pao** 1986 Aug;11(8):9–10 **(Chi)**

[The proper time of spraying the leaves of Coix lacrymajobi with phosphorus] Fu JG. **Chung Yao Tung Pao** 1986 Sep; 11(9):8–9 **(Chi)**

[Biological characteristics of Fritillaria thunbergii grown in Hubei Province] Li DY. **Chung Yao Tung Pao** 1986 Sep; 11(9):5–7 **(Chi)**

[Survey of resources of medicinal plants in the mountainous region of Yixing and Liyang] Liu DR. **Chung Yao Tung Pao** 1986 Jun;11(6):15–6 **(Chi)**

[Effect of several factors on the yields of Gastrodia elata] Liu YT. **Chung Yao Tung Pao** 1986 Jun;11(6):7–11 **(Chi)**

[Effect of increasing the yield of gibberellin-treated Crocus sativus] Xiuc XH. **Chung Yao Tung Pao** 1986 Nov; 11(11):10–2 **(Chi)**

[Influence of plucking flowers on the yield and growth of beimu] Xu SA. **Chung Yao Tung Pao** 1987 Mar;12(3):12–3 **(Chi)**

[Preliminary study on the method of balanced developing production of radix Pseudostellariae] Zhang LS. **Chung Yao Tung Pao** 1987 Mar;12(3):14–5 **(Chi)**

[Preliminary study on the fertilization of Ligusticum chuanxiong] Zhong WG. **Chung Yao Tung Pao** 1987 Feb; 12(2):12–4 **(Chi)**

IMMUNOLOGY

Effect of immuno-modulating agents on murine IL-2 production. Weng XC, et al. **Immunol Invest** 1987 Apr; 16(2):79–86

METABOLISM

Formation of beta-peltatin-A methyl ether and coniferin by root cultures of Linum flavum. Berlin J, et al. **J Nat Prod** 1986 May–Jun;49(3):435–9

Production of artemisinin in tissue cultures of Artemisia annua. Nair MS, et al. **J Nat Prod** 1986 May–Jun; 49(3):504–7

PHYSIOLOGY

The anti-inflammatory activity of Enicostemma littorale and Mollugo cerviana. Sadique J, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):167–76

Treatment of diabetes mellitus by Artemisia herba-alba extract: preliminary study. Al-Waili NS. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):569–73

Suanzaorentang, and anxiolytic Chinese medicine, affects the central adrenergic and serotonergic systems in rats. Hsieh MT, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct; 10(4):263–8

PLANTS, TOXIC

Microsomal activation of constituents of white snakeroot (Eupatorium rugosum Houtt) to form toxic products. Beier RC, et al. **Am J Vet Res** 1987 Apr;48(4):583–5

Inhibition of macrophage adenylate cyclase by the alpha-methylene-gamma-lactone moiety of sesquiterpene lactones from forage plants. Elissalde MH Jr, et al. **Am J Vet Res** 1987 Jan;48(1):148–52

Plant-induced dermatitis. Epstein WL. **Ann Emerg Med** 1987 Sep;16(9):950–5 (56 ref.)

The influence of Boicil on some morphologic and physiologic traits of human diploid cells. Dima VF, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):13–32

Effects of Boicil on some immunocompetent cells. I. In vitro modulation of the human peripheral blood lymphocyte functions. Olinescu A, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):33–45

Successful transfer of DHP-degrading bacteria from Hawaiian goats to Australian ruminants to overcome the toxicity of Leucaena. Jones RJ, et al. **Aust Vet J** 1986 Aug; 63(8):259–62

Pimelea neo-anglica poisoning of cattle. Storie GJ, et al. **Aust Vet J** 1986 Jul;63(7):235

Allergic contact dermatitis to Helichrysum diosmifolium. McMahon R, et al. **Australas J Dermatol** 1986 Dec; 27(3):138–40

Conium maculatum (poison hemlock) toxicosis in a flock of range turkeys. Frank AA, et al. **Avian Dis** 1987 Apr–Jun; 31(2):386–8

Oral ulceration after contact with the houseplant Dieffenbachia. Evans CR. **Br Dent J** 1987 Jun 20; 162(12):467–8

Plant poisons. Wijesundere A. **Ceylon Med J** 1986 Jun; 31(2):89–91

Contact dermatitis from Grevillea 'Robyn Gordon'. Menz J, et al. **Contact Dermatitis** 1986 Sep;15(3):126–31

Molecular aspects of allergic contact dermatitis to plants. Recent progress in phytodermatochemistry. Benezra C, et al. **Derm Beruf Umwelt** 1987 Jan–Feb;35(1):4–11

Accidental mydriasis from blue nightshade "lipstick". Rubinfeld RS, et al. **J Clin Neuro Ophthalmol** 1987 Mar; 7(1):34–7

Toxicity of plant material used as emergency food during famines in Finland. Airaksinen MM, et al. **J Ethnopharmacol** 1986 Dec;18(3):273–96

String trimmer's dermatitis. Oakley AM, et al. **J Soc Occup Med** 1986 Winter;36(4):143–4

Toxicity and delayed type hypersensitivity caused by Microcystis blooms from Lake Kasumigaura. Shirai M, et al. **Microbiol Immunol** 1986;30(7):731–5

Through all thy veins shall run a cold and drowsy humor. Nightshade poisoning. Mack RB. **NC Med J** 1987 May; 48(5):258–9

Guam amyotrophic lateral sclerosis-parkinsonism-dementia linked to a plant excitant neurotoxin. Spencer PS, et al. **Science** 1987 Jul 31;237(4814):517–22

Deaths following ingestion of a cardiotoxic plant in Kampuchean children in Thailand. Echeverria P, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):601–3

7th European Symposium on Animal, Plant and Microbial Toxins. Prague, 18–22 August 1987. Abstracts. **Toxicon** 1987;25(4):361–77

Experimental intoxication with fruit and purified toxins of buckthorn (Karwinskia humboldtiana). Bermudez MV, et al. **Toxicon** 1986;24(11–12):1091–7

The toxicity of Azadirachta indica leaves in goats and guinea pigs. Ali BH. **Vet Hum Toxicol** 1987 Feb;29(1):16–9

The effects of Ipomoea carnea on goats and sheep. Damir HA, et al. **Vet Hum Toxicol** 1987 Aug;29(4):316–9

White bryony poisoning in a dog [letter] Whur P. **Vet Rec** 1986 Oct 18;119(16):411

[Thorn apple poisoning] Rannem T. **Ugeskr Laeger** 1986 Oct 20;148(43):2763 (Eng. Abstr.) **(Dan)**

[Skin and mucous membrane reactions caused by Dieffenbachia species house plants] Ippen H, et al. **Derm Beruf Umwelt** 1986 Jul–Aug;34(4):93–101 (Eng. Abstr.) **(Ger)**

[Bullous phototoxic contact dermatitis caused by Dictamnus albus. The Bible's "burning bush"?] Knüchel M, et al. **Dtsch Med Wochenschr** 1986 Sep 19;111(38):1445–7 (Eng. Abstr.) **(Ger)**

[Bullous photodermatitis following contact with the stem sap of the giant bear claw (Heracleum mantegazzianum)] Tiedemann A, et al. **Z Arztl Fortbild (Jena)** 1987; 81(5):235–6 **(Ger)**

[Changes in thrombocyte aggregation as affected by the sodium salt of galbanic acid in an experiment] Martirosov MS. **Farmakol Toksikol** 1986 Nov–Dec;49(6):49–51 **(Rus)**

ANALYSIS

Toxicity of Iceland lichen and reindeer lichen. Airaksinen MM, et al. **Arch Toxicol [Suppl]** 1986;9:406–9

Fercoperol, an unusual cyclic-endoperoxyneralidol derivative from Ferula communis subsp. communis. Miski M, et al. **J Nat Prod** 1986 Sep–Oct;49(5):916–8

Alpha-ecdysone, a new bracken fern factor responsible for neoplasm induction in the Egyptian toad (Bufo regularis). El-Mofty M, et al. **Nutr Cancer** 1987;9(2–3):103–7

Novel antiinflammatory flavonoids from Podophyllum versipelle cell culture. Arens H, et al. **Planta Med** 1986 Dec;(6):468–73

Spectrophotometric and chromatographic detection of Karwinskia humboldtiana (tullidora) toxin in rat serum after tullidora ingestion. Flores-Otero G, et al. **Toxicon** 1987; 25(4):419–26

Extraction and quantification of toxins from Karwinskia humboldtiana (tullidora). Guerrero M, et al. **Toxicon** 1987; 25(5):565–8

Determination of total phenolics in acorns from different species of oak trees in conjunction with acorn poisoning in cattle. Basden KW, et al. **Vet Hum Toxicol** 1987 Aug; 29(4):305–6

Chromatographic isolation of caffeine from Palicourea marcgravii. Gorniak SL, et al. **Vet Hum Toxicol** 1986 Dec; 28(6):542

Fanweed toxicosis in cattle: case history, analytical method, suggested treatment, and fanweed detoxification. Smith RA, et al. **Vet Hum Toxicol** 1987 Apr;29(2):155–6

Cicuta toxicosis in cattle: case history and simplified analytical method. Smith RA, et al. **Vet Hum Toxicol** 1987 Jun;29(3):240–1

Toxicity of Cyclamen persium (Mill). Spoerke DG, et al. **Vet Hum Toxicol** 1987 Jun;29(3):250–1

[Chemical studies on alkaloids from Veratrum nigrum] Zhao WJ. **Chung Yao Tung Pao** 1987 Jan;12(1):34–5 **(Chi)**

[Chemical studies of the alkaloids of Veratrum maackii] Zhao WJ. **Chung Yao Tung Pao** 1986 May;11(5):38–9 **(Chi)**

PLAQUE ASSAY

Plaque staining assay for non- or weakly cytotoxic human immunodeficiency virus. Matsui T, et al. **J Clin Microbiol** 1987 Jul;25(7):1305–7

Development of a plaque assay for a cytopathic, rapidly replicating isolate of hepatitis A virus. Cromeans T, et al. **J Med Virol** 1987 May;22(1):45–56

Standardization of a plaque assay for Lassa virus. Tomori O, et al. **J Med Virol** 1987 May;22(1):77–89

A sensitive plaque assay for bovine rotavirus in cultures of

the bovine cell line GBK. Hirano N, et al. **Vet Microbiol** 1987 Apr;13(4):383–7
[Difference in plaque size among Japanese encephalitis virus strains on chick embryo cell and BHK–21 cell] Kimura T, et al. **Uirusu** 1972 Sep;22(3):133–5 **(Jpn)**

VETERINARY

Plaque assay for canine coronavirus in CRFK cells. Tuchiya K, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):571–3

PLAQUE THERAPY, RADIOISOTOPE see **BRACHYTHERAPY**

PLASMA

Removal of steroid hormones from plasma by Millipore CX 10 immersible filters. Einer–Jensen N. **Acta Physiol Pol** 1986 Jul–Aug;37(4–5):235–9
Treatment of chronic inflammatory demyelinating polyradiculoneuropathy by plasma filtration. Abe Y, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):486–9
Effect of plasma solute–membrane interaction on mean pore diameter. Horiuchi T, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):429–34
Design of a plasma separator using ceramic membranes. Sakurai H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):410–3
Innovation in blood purification for hepatic failure: direct photoirradiation of plasma. Totsune K. **ASAIO Trans** 1986 Jul–Sep;32(1):138–42
An automated plasma collector with innovative membrane and cassette–like disposable set. Yamazaki Z, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):405–9
FFP in pancreatitis [letter] Leese T. **Br J Surg** 1987 Jan; 74(1):75
Indications and monitoring of use of fresh frozen plasma as a hemostatic agent. Oberman HA. **Curr Stud Hematol Blood Transfus** 1986;(53):125–32
Benefits and risks of fresh frozen plasma as compared to albumin. Tullis JL. **Curr Stud Hematol Blood Transfus** 1986; (53):133–42
Blood products in large animal medicine: a comparative account of current and future technology. Morris DD. **Equine Vet J** 1987 Jul;19(4):272–5
Purpura fulminans in an adult. Tishler M, et al. **Isr J Med Sci** 1986 Nov;22(11):820–2
Evaluation of microwave–thawed canine plasma for transfusion. Hurst TS, et al. **J Am Vet Med Assoc** 1987 Apr 1;190(7):863–5
Precolumn–venting plug technique for direct injection of untreated blood plasma samples into reversed–phase liquid chromatography systems. Daoud N, et al. **J Chromatogr** 1987 Jan 9;385:311–22
Preparation of factor VII–depleted plasma by immunoaffinity chromatography of insolubilized anti–factor VII. Takamiya O, et al. **Med Lab Sci** 1986 Jul;43(3):215–9
Thrombotic thrombocytopenic purpura unresponsive to plasma infusion and plasma exchange, but responsive to splenectomy. Sturgess AD, et al. **Scand J Haematol** 1986 Oct;37(4):319–22
A critical survey of fresh–frozen plasma use. Blumberg N, et al. **Transfusion** 1986 Nov–Dec;26(6):511–3
Fibrinogen content of low–volume cryoprecipitate. Hoffman M, et al. **Transfusion** 1987 Jul–Aug;27(4):356–8
Leukocyte contamination of platelet–rich plasma prepared using an optical sensor [letter] Rebulla P, et al. **Transfusion** 1987 Jul–Aug;27(4):368
Pulmonary reaction associated with transfusion of plasma containing anti–5b. Nordhagen R, et al. **Vox Sang** 1986; 51(2):102–7
[Treatment of Argentine hemorrhagic fever with convalescent's plasma. 4433 cases] Ruggiero HA, et al. **Presse Med** 1986 Dec 20;15(45):2239–42 (Eng. Abstr.) **(Fre)**
[Use of low–molecular fractions of blood plasma in movement disorders] Bekhtereva NP, et al. **Fiziol Cheloveka** 1987 May–Jun;13(3):500–2 **(Rus)**
[Complex treatment of infectious destructive lung diseases using frozen plasma and enzyme inhibitors] Shoĭkhet IaN, et al. **Grudn Khir** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**
[Cascade use of plasmapheresis and plasma filtration in the treatment of rheumatoid arthritis] Mikhaĭlova NA, et al. **Ter Arkh** 1987;59(6):67–70 (Eng. Abstr.) **(Rus)**
[Cryoplasmic–antienzyme therapy in infectious destructive diseases of the lungs] Shoĭkhet IaN, et al. **Ter Arkh** 1987; 59(3):119–22 **(Rus)**
[Thrombotic thrombocytopenic purpura: report of a case responding to plasma infusion] Pompa–Garza MT, et al. **Bol Med Hosp Infant Mex** 1987 Jan;44(1):36–40 (Eng. Abstr.) **(Spa)**

ANALYSIS

Plasma carnitine compartment and red blood cell carnitine compartment of healthy adults. Borum PR. **Am J Clin Nutr** 1987 Sep;46(3):437–41
The use of heat–treated plasma for biochemical analysis [letter] **Ann Clin Biochem** 1986 Nov;23 (Pt 6):700–1
Sex differences in blood amino acid concentration and cell/plasma distribution in the domestic fowl. García FJ, et al. **Br Poult Sci** 1986 Sep;27(3):379–84
Correlation studies for whole blood vs plasma with the "Vision" analyzer.Sachs E, et al. **Clin Chem** 1987 Jul; 33(7):1268
Relationships of cyclosporine concentrations in serum, whole blood, and bile after renal and hepatic transplantation. Vine W, et al. **Clin Chem** 1986 Oct;32(10):1828–31
Determination of serotonin in whole blood, platelet–rich plasma, platelet–poor plasma and plasma ultrafiltrate. Anderson GM, et al. **Life Sci** 1987 Mar 16;40(11):1063–70
Detection of malignant tumors by nuclear magnetic resonance spectroscopy of plasma [letter] **N Engl J Med** 1987 May 28;316(22):1411–5
Platelet and plasma von Willebrand factor: structural differences. López–Fernández MF, et al. **Thromb Res** 1986 Oct 1;44(1):125–8
Use of plasma segments for estimating factor VIII activity in pools of fresh frozen plasma. Ofosu FA, et al. **Vox Sang** 1987;52(3):254–6
[Inactivation by plasma of platelet–activating factor] Satoh K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May; 49(3):711–6 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Anti–asthma drugs attenuate inflammatory leakage of plasma into airway lumen. Erjefält I, et al. **Acta Physiol Scand** 1986 Dec;128(4):653–4

ENZYMOLOGY

Interference by platelets in the electrophoretic determination of enolase isoenzymes in plasma. Vialard JL, et al. **Clin Chem** 1987 Jan;33(1):164–7

IMMUNOLOGY

Immunomodulatory effect of serum on lymphocytes—consequences for the study of immunostimulants in vitro and in vivo. Barta O. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):193–203 (48 ref.)
Alloimmunization by plasma infusion [letter] Das PC, et al. **Int J Artif Organs** 1986 Nov;9(6):445
[Inhibitory effect of human plasma on 17–1A–dependent cellular cytotoxicity] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):459–66 (Eng. Abstr.) **(Jpn)**
[Experimental study of the protective activity of the plasma from donors immunized with an enterobacterial vaccine] Krokhina MA, et al. **Gematol Transfuziol** 1986 Nov; 31(11):28–32 (Eng. Abstr.) **(Rus)**
[Evaluation of the specific activity of hyperimmune anti–Pseudomonas aeruginosa human plasma in an experiment] Podgornaia LG, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):70–2 (Eng. Abstr.) **(Rus)**
[Donor plasma with anti–Pseudomonas aeruginosa activity as a directed–action preparation] Nazarchuk LV. **Vrach Delo** 1987 Jul;(7):96–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Renin activity determination using human plasma as a substrate. Cornette JC, et al. **Anal Biochem** 1987 May 15; 163(1):93–9
Preparation of (T3 + T4)–free pooled plasma. Grundy EN, et al. **Ann Clin Biochem** 1986 Jul;23 (Pt 4):494–5
Distribution of trichloroethylene between plasma and erythrocytes in whole blood from fasting subjects. Davies DD, et al. **Br J Anaesth** 1986 Dec;58(12):1440–2
Cobaltic–EDTA as a marker for estimating trapped plasma. Siebers RW, et al. **Clin Chem** 1986 Nov;32(11):2108
Whole blood versus plasma measurements of glutamate and alanine across the human myocardium. Thomassen AR, et al. **Scand J Clin Lab Invest** 1987 May;47(3):293–300
[Erythrocyte–plasma water exchange studied by nuclear magnetic resonance spin–spin (T2) relaxation. Relation between the time the water molecule stays in the erythrocyte and its volume] Teyssier R, et al. **C R Soc Biol (Paris)** 1986;180(3):330–6 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Are specimens with "at risk" biochemical profiles more likely to be infectious for hepatitis B virus? Burnett L, et al. **Clin Chem** 1986 Oct;32(10):1951–3
HIV isolation from plasma of HIV–infected persons [letter] Falk LA Jr, et al. **N Engl J Med** 1987 Jun 11;316(24):1547–8
Human immunodeficiency virus and hepatitis testing of old bottles of plasma [letter] Myhre BA, et al. **West J Med** 1987 Feb;146(2):233

PHYSIOLOGY

Differences and similarities between human and rabbit neutrophil granulocyte responses in vitro: the effects of zymosan–activated plasma, phorbol myristate acetate and n–formyl–methionyl–leucyl–phenylalanine. Opdahl H, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):491–8
Effects of zymosan–activated plasma and phorbol myristate acetate on isolated, perfused rabbit lungs. Opdahl H, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):499–505
Effects of plasma on the platelet antiaggregatory action of prostacyclin in pregnancy. Baker VV, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):974–7
Initiation and regulation of fibrinolysis in human plasma at the plasminogen activator level. Wun TC, et al. **Blood** 1987 May;69(5):1354–62
The effect of donor age on the flow properties of blood. Part I: Plasma and whole blood viscosity in adult males. Bowdler AJ, et al. **Exp Gerontol** 1987;22(3):155–64
Plasma requirement for expression of lupus–like anticoagulant. Clyne LP. **Folia Haematol (Leipz)** 1986; 113(6):841–4
Cytochemically assayable Na+,K+–ATPase inhibition by Milan hypertensive rat plasma. Holland S, et al. **Hypertension** 1987 May;9(5):498–503
Effects of plasma hyperviscosity on skeletal muscle blood flow and blood viscosity in vivo. Gustafsson L. **Int J Microcirc Clin Exp** 1987;6(2):169–77
Role of plasma exudation in asthmatic airways. Persson CG. **Lancet** 1986 Nov 15;2(8516):1126–9
Plasma and platelet skimming at T–junctions. Perkkiö J, et al. **Thromb Res** 1987 Mar 1;45(5):317–26
Plasma–dependent and –independent mechanisms of platelet aggregation induced by human tumour cell lines. Scarlett JD, et al. **Thromb Res** 1987 Jun 1;46(5):715–26
5–day storage of human platelet concentrates in 30 ml of plasma or artificial medium. Adams GA, et al. **Vox Sang** 1987;52(4):305–12
[Thrombocyte aggregation in plasma and whole blood during hyperventilation (hypocapnia) in cats] Amroian EA. **Biull Eksp Biol Med** 1987 Jun;103(6):648–9 (Eng. Abstr.) **(Rus)**
[Thrombocyte aggregation in the plasma and whole blood and ATP secretion during hypoxia in cats] Amroian EA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):294–6 (Eng. Abstr.) **(Rus)**
[Suppression of DNA synthesis in lymphocytes by UV–irradiated plasma] Volgareva EV, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):205–6 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Reduction of fresh–frozen plasma use through a daily survey and education program. Shanberge JN. **Transfusion** 1987 May–Jun;27(3):226–7

PLASMA CELL DYSCRASIAS see **PARAPROTEINEMIAS**

PLASMA CELLS

Plasma cells in cerebrospinal fluid and multiple sclerosis: diagnostic yield and clinicobiological correlations. Confavreux C, et al. **Acta Neurol Scand** 1986 Dec; 74(6):432–8
Frequency distribution of plasma cells in the medullary cords of tumour–draining axillary and paracolic lymph nodes. Horst HA, et al. **Virchows Arch [A]** 1987;411(3):239–43
[A case of smoldering multiple myeloma in which a transformation into overt multiple myeloma was completed more than 25 years later: the course of illness before and after the transformation (a further contribution) and the significance of labeling index of plasma cells] Kanoh T, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):146–7 **(Jpn)**

ANALYSIS

Tp44 molecules involved in antigen–independent T cell activation are expressed on human plasma cells. Kozbor D, et al. **J Immunol** 1987 Jun 15;138(12):4128–32

CYTOLOGY

Chemically purified serum factor can induce both Epstein–Barr virus antigen synthesis and cell differentiation. Anisimová E, et al. **Arch Virol** 1987; 94(3–4):309–14

ENZYMOLOGY

[Biological and clinical significance of plasma–cell acid phosphatase in multiple myeloma] Musto P, et al. **Recenti Prog Med** 1986 Oct;77(10):452–60 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

"Plasmacytoid T cells" in Castleman's disease. Immunohistologic phenotype. Harris NL, et al. **Am J Surg Pathol** 1987 Feb;11(2):109–13
Characterization of a monoclonal antibody having selective reactivity with normal and neoplastic plasma cells. Tong AW, et al. **Blood** 1987 Jan;69(1):238–45
Plasmablastic multiple myeloma: an immunologically different subtype [letter] San Miguel JF, et al. **Br J Haematol** 1987 Jun;66(2):275
An antigenic study of human plasma cells in normal tissue and in myeloma: identification of a novel plasma cell associated antigen. Nathan PD, et al. **Clin Exp Immunol** 1986 Jul;65(1):112–9
Intestinal plasma cell alterations in acquired immunodeficiency syndrome. Kotler DP, et al. **Dig Dis Sci** 1987 Feb;32(2):129–38
Effects of experimental gastroduodenal reflux on density of mast cells and plasmocytes in the fundic mucosa of the rat. André F, et al. **Digestion** 1987;37(1):10–4
Monotypic immunoglobulin E plasma cells in an allogeneic

bone marrow transplant recipient. Schuurman HJ, et al. **Histopathology** 1986 Sep;10(9):963–9

Plasma cell membrane glycoprotein PC–1. Primary structure deduced from cDNA clones. van Driel IR, et al. **J Biol Chem** 1987 Apr 5;262(10):4882–7

Antiviral antibody–producing cells in parenchymatous organs during persistent virus infection. Moskophidis D, et al. **J Exp Med** 1987 Mar 1;165(3):705–19

Detection of plasma cell immunoglobulins in tissue sections optimally fixed for ultrastructural immunocytochemistry. Gonatas NK, et al. **J Histochem Cytochem** 1987 Feb; 35(2):189–96

Methanol fixation permits flow cytometric analysis of immunofluorescent stained intracellular antigens. Levitt D, et al. **J Immunol Methods** 1987 Feb 11;96(2):233–7

Immunoglobulin–producing cells in human odontogenic cysts. Smith G, et al. **J Oral Pathol** 1987 Jan;16(1):45–8

Characterization of plasma cell subsets in thyroid disease. Harach HR, et al. **Medicina (B Aires)** 1985;45(5):522–4

Avian B cell diversity examined with monoclonal anti–VH antibodies. Wright JT, et al. **Prog Clin Biol Res** 1987; 238:81–5

A sensitive method for the detection of specific antibody production in different isotypes from single lamina propria plasma cells. Lycke N. **Scand J Immunol** 1986 Oct; 24(4):393–403

[Distribution of B lymphocytes and plasma cells in human tonsils] Gong YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):106–10 (Eng. Abstr.) **(Chi)**

[The study of intracellular immunoglobulins by the immunoperoxidase method in lymphoproliferative diseases] Soboleva TN, et al. **Gematol Transfuziol** 1986 Aug; 31(8):27–33 (Eng. Abstr.) **(Rus)**

[Anti–amebic plasma cells in peripheral blood of patients with amebic liver abscess] Campos–Rodríguez R, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:303–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Determination of the plasma cell labelling index with bromodeoxyuridine in a double fluorescence technique. Lokhorst HM, et al. **Br J Haematol** 1986 Oct;64(2):271–5

PATHOLOGY

Castleman's disease, plasma–cell type. Diagnosis of central nervous system involvement by cerebrospinal fluid cytology. Stanley MW, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):481–6

Bone marrow plasmocytosis in acute leukemia. Stul MS, et al. **Acta Haematol (Basel)** 1987;77(3):146–9

Hepatitis–associated aplastic anemia with systemic plasmacytosis. Nishimoto Y, et al. **Acta Pathol Jpn** 1987 Jan;37(1):155–66

Development of plasmacytoid cells with Russell bodies in autoimmune "viable motheaten" mice.Shultz LD, et al. **Am J Pathol** 1987 Apr;127(1):38–50

Binucleated form of plasma cells in oral lesions—their "vital statistics". Yeo JF. **Ann Acad Med Singapore** 1986 Jul; 15(3):365–9

Systemic plasmacytosis and the Crow–Fukase syndrome. Burton JL. **Arch Dermatol** 1987 Apr;123(4):425–6

Plasma cell orificial mucositis. Report of a case and review of the literature. White JW Jr, et al. **Arch Dermatol** 1986 Nov;122(11):1321–4

Angioinvasive plasma cell granulomas of the lung. Warter A, et al. **Cancer** 1987 Feb 1;59(3):435–43

Cytogenetic and biological characterization of two new human plasma cell lines. Brox LW, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):135–44

Immunocyte derived amyloidosis. Rajasingam, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):175–7

Phenotypic, cytogenetic and molecular characterization of a new B–chronic lymphocytic leukaemia (B–CLL) cell line. Caligaris–Cappio F, et al. **Leuk Res** 1987;11(7):579–88

[A study on the etiology and clinical significance of reactive plasmacytosis] Lu LH, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Feb;25(2):90–3, 126–7 (Eng. Abstr.) **(Chi)**

[Focal facial plasma cell–rich gingivitis. A case report] Staehle HJ, et al. **Schweiz Monatsschr Zahnmed** 1987; 97(4):484–8 **(Ger)**

[A case of multiple myeloma associated with phagocytic plasma cells and a variety of abnormal morphological features of bone marrow cells] Hishitani Y, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1886–90 (Eng. Abstr.) **(Jpn)**

[Histopathology of tegumentary leishmaniasis caused by Leishmania braziliensis braziliensis. 3. Cellular reactions in tissues] de Magalhães AV, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):300–11 (Eng. Abstr.) **(Por)**

[Hemophagocytic myeloma. Report of a case] Prieto E, et al. **Sangre (Barc)** 1986;31(6):763–7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

[Clinical features of phagocytic plasma cell myeloma] Ninomiya H, et al. **Rinsho Ketsueki** 1986 Dec; 27(12):2309–12 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Abnormalities in the cellular phase of blood fibrinolytic activity in systemic lupus erythematosus and in venous thromboembolism. Moroz LA, et al. **Thromb Res** 1986 Sep 15;43(6):595–602

SECRETION

Establishment and characterization of a human IgA–kappa–secreting plasma cell line (MT3). Donelli A, et al. **Int J Cancer** 1987 Sep 15;40(3):383–8

ULTRASTRUCTURE

Ultrastructural morphology of plasma cells in normal ovine hemal lymph nodes. Al–Bagdadi FK, et al. **Anat Histol Embryol** 1986 Dec;15(4):344–54

Electron microscopic study on the role of delayed hypersensitivity & antibody producing cells in protection against herpes simplex virus in nude mice. Kapoor AK, et al. **Indian J Med Res** 1987 Feb;85:120–4

Identification of plasma cells in lung alveoli and interstitial tissues after localized lung immunization. Bice DE, et al. **J Leukocyte Biol** 1987 Jan;41(1):1–7

PLASMA EXCHANGE

Plasma exchange in a patient with heterozygous familial hypercholesterolaemia resistant to drug therapy. Eriksson M, et al. **Acta Med Scand** 1987;221(3):317–20

Plasma exchange in myasthenia gravis: effect on anti–AChR antibodies and other autoantibodies. Thorlacius S, et al. **Acta Neurol Scand** 1986 Dec;74(6):486–90

Partial plasma exchange in patients with AIDS and Kaposi's sarcoma. Plasmapheresis in AIDS. Reiss RF, et al. **AIDS Res** 1986 Summer;2(3):183–90

Plasma exchange in patients with rapidly progressive idiopathic IgA nephropathy: a report of two cases and review of literature. Lai KN, et al. **Am J Kidney Dis** 1987 Jul;10(1):66–70 (18 ref.)

Successful use of plasma exchange in a child with refractory immune hemolytic anemia. McConnell ME, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):158–60

Pyridoxylated polymerized hemoglobin solution processing. Interest of a membrane molecular fractionation step. Clerc Y, et al. **Appl Biochem Biotechnol** 1987 Apr;14(3):241–51

Plasma exchange and leukapheresis in psoriasis—no effect? Liedén G, et al. **Arch Dermatol Res** 1986;278(6):437–40

Prediction of early beneficial response to plasma exchange in Guillain–Barré syndrome. Gruener G, et al. **Arch Neurol** 1987 Mar;44(3):295–8

Plasma exchange and low density lipoprotein apheresis in Watanabe heritable hyperlipidemic rabbits. Kano M, et al. **Arteriosclerosis** 1987 May–Jun;7(3):256–61

Plasma exchange in the treatment of glomerulonephritis and other renal diseases. Walker RG, et al. **Aust NZ J Med** 1986 Dec;16(6):828–38 (182 ref.)

Apheresis, exchange, adsorption and filtration of plasma: four approaches to the removal of undesirable circulating substances. Virella G, et al. **Biomed Pharmacother** 1986; 40(8):286–96 (79 ref.)

Rapid improvement in severe lupus glomerular lesions following intensive plasma exchange associated with immunosuppression [letter] Talwalkar YB, et al. **Clin Nephrol** 1987 Feb;27(2):102

The utility of therapeutic plasmapheresis for neurological disorders. National Institutes of Health. **Conn Med** 1986 Dec;50(12):824–8

Plasma exchange therapy for severe Graves' ophthalmopathy. Glinoer D, et al. **Horm Res** 1987; 26(1–4):184–9

Efficacy of a combined treatment with plasma exchange and cytostatics in macroglobulinemia. Busnach G, et al. **Int J Artif Organs** 1986 Jul;9(4):267–70

Plasma exchange with prostaglandin I2 and ACD solution: comparative effects. Camici M, et al. **Int J Artif Organs** 1986 Nov;9(6):439–42

Effects of membrane plasma exchange on the hemostatic system and on thyroid hormones in critically ill patients. Krämer BK, et al. **Int J Artif Organs** 1987 May; 10(3):199–204

Prophylactic plasma exchange in burn treatment. Donati L, et al. **Int J Tissue React** 1987;9(3):215–8

Plasma exchange and plasma modification for the removal of anti–red cell antibodies prior to ABO–incompatible marrow transplant. Bensinger WI, et al. **J Clin Apheresis** 1987;3(3):174–7

Effect of blood exchange on acyclovir clearance in an infant with neonatal herpes. Englund JA, et al. **J Pediatr** 1987 Jan;110(1):151–3

Plasma exchange therapy for endotoxin shock in puppies. Muraji T, et al. **J Pediatr Surg** 1986 Dec;21(12):1092–5

Aluminum load in chronic intermittent plasma exchange. Wilhelm M, et al. **J Toxicol Clin Toxicol** 1987;25(3):209–20

Severe hemolysis caused by antibodies against the mushroom Paxillus involutus and its therapy by plasma exchange. Winkelmann M, et al. **Klin Wochenschr** 1986 Oct 1; 64(19):935–8

Plasma exchange for neurological disorders [editorial] **Lancet** 1986 Dec 6;2(8519):1313–4

Plasma exchange for cerebral lupus erythematosus [letter] [published erratum appears in Lancet 1987 Jan 17;1(8525):176] **Lancet** 1987 Jan 10;1(8524):103

Lack of efficacy of plasma–exchange in removing antiphospholipid antibodies [letter] Derksen RH, et al. **Lancet** 1987 Jul 25;2(8552):222

Trace metals and plasma exchange [letter] Domen RE, et al. **Lancet** 1986 Nov 8;2(8515):1096

Plasma exchange for cerebral lupus erythematosus [letter] Guthrie JA, et al. **Lancet** 1987 Feb 28;1(8531):506–7

Treatment of acute renal failure, symmetrical peripheral gangrene, and septicaemia with plasma exchange and epoprostenol [letter] Leaker B, et al. **Lancet** 1987 Jan 17; 1(8525):156

Early relapses after plasma exchange in acute inflammatory polyradiculoneuropathy [letter] Osterman PO, et al. **Lancet** 1986 Nov 15;2(8516):1161

A critical review of therapies in acute and chronic inflammatory demyelinating polyneuropathies. Pollard JD. **Muscle Nerve** 1987 Mar–Apr;10(3):214–21 (55 ref.)

Model for individual substitution of immunoglobulins after membrane plasma separation. Sprenger KB, et al. **Nephron** 1987;46(3):231–8

Guillain–Barré syndrome: quantitative measurement of plasma exchange therapy. Färkkilä M, et al. **Neurology** 1987 May;37(5):837–40

Plasma exchange in septic shock. Bjertnaes LJ. **Prog Clin Biol Res** 1987;236B:215–23 (28 ref.)

Plasma–exchange in mixed cryoglobulinemia. Effects on renal, liver and neurologic involvement. Ferri C, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):403–11

Thrombotic thrombocytopenic purpura unresponsive to plasma infusion and plasma exchange, but responsive to splenectomy. Sturgess AD, et al. **Scand J Haematol** 1986 Oct;37(4):319–22

A platelet aggregating factor in thrombotic thrombocytopenic purpura: initial activity, fluctuations, and removal by plasma exchange. Hussey CV, et al. **Thromb Res** 1986 Nov 1;44(3):355–64

Blood purification of bilirubin and bile acids by plasma exchange for patients with liver failure. Matsubara S, et al. **Tohoku J Exp Med** 1986 Sep;150(1):83–90

Optimal volume of plasma exchange in thrombotic thrombocytopenic purpura [letter] Newman RS, et al. **Transfusion** 1987 Sep–Oct;27(5):445–6

The efficacy of intensive plasma exchange in acquired von Willebrand's disease. Silberstein LE, et al. **Transfusion** 1987 May–Jun;27(3):234–7

Prevention of kidney arteriosclerosis: heparin, dipyridamole, warfarin, and plasma exchange. Kincaid–Smith P. **Transplant Proc** 1987 Aug;19(4 Suppl 5):82–4

Plasma exchange treatment in autoimmune hemolytic anemia of the warm antibody type with renal failure. von Keyserlingk H, et al. **Vox Sang** 1987;52(4):298–300

[The role of corticoid therapy in plasma exchange. Meeting organized by the French Society of Hemapheresis. Paris, 29 January 1986] **Ann Med Interne (Paris)** 1986;137 Suppl:1–48 **(Fre)**

[Analysis of 3 years' activity of recognized plasma exchange centers of the Paris Public Welfare Department] Bussel A, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:2–5 **(Fre)**

[Methylprednisolone and plasma exchange in renal allograft rejections] Dechelette E, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:31–5 **(Fre)**

[Corticotherapy and plasma exchange in myasthenia and polyradiculoneuritis] Gajdos P. **Ann Med Interne (Paris)** 1986;137 Suppl:15–9 **(Fre)**

[Role of corticoids, immunosuppressive agents and plasma exchange in the treatment of systemic necrotizing angiitis] Guillevin L, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:20–2 **(Fre)**

[Corticotherapy and plasma exchange in systemic lupus erythematosus] Rahbar K, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:41–8 (39 ref.) **(Fre)**

[Corticoids and plasma exchange in autoimmune bullous dermatoses] Roujeau JC, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:11–4 **(Fre)**

[Efficacy of the injection of corticoids combined with plasma exchange in the treatment of patients with autoimmune thrombopenic purpura] Vezon G, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:27–30 **(Fre)**

[Acute neurologic complications and coagulation disorders in a child with lupus. Spectacular improvement after a plasma exchange (letter)] Blanchard P, et al. **Arch Fr Pediatr** 1986 Apr;43(4):292–3 **(Fre)**

[Trial of prevention of coronary aneurysm in Kawasaki's disease using plasma exchange or infusion of immunoglobulins] Villain E, et al. **Arch Fr Pediatr** 1987 Feb;44(2):79–83 (Eng. Abstr.) **(Fre)**

[Treatment, by plasma exchange, of a severe digestive manifestation of rheumatoid purpura in an adult (letter)] Blanchi A, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):261 **(Fre)**

[Alleviation of ocular complications of the hyperviscosity syndrome in Waldenström's macroglobulinemia using plasma exchange] Malecaze F, et al. **J Fr Ophtalmol** 1986; 9(5):367–71 (Eng. Abstr.) **(Fre)**

[Rapid modification of the symptomatology of progressive forms of multiple sclerosis by plasma exchange] Trouillas P, et al. **Rev Neurol (Paris)** 1986;142(8–9):689–95 (Eng. Abstr.) **(Fre)**

[Plasma exchange therapy in children and adolescents with systemic lupus erythematosus (SLE)] Pistor K, et al.

Monatsschr Kinderheilkd 1987 Jan;135(1):47–50 (Eng. Abstr.) **(Ger)**

[Plasma exchange and related forms of therapy in severe familial hypercholesterolemia] Keller C. **Verh Dtsch Ges Inn Med** 1986;92:419–24 (Eng. Abstr.) **(Ger)**

[Thrombotic thrombocytopenic purpura treated with plasma–exchange, exchange transfusion and plasma infusion: description of a case] Donada C, et al. **Riv Emoter Immunoematol** 1986;33(1):69–74 (Eng. Abstr.) **(Ita)**

[Successful treatments of plasma exchange, hemodialysis, immunosuppressive agents and dimethylsulfoxide in a case of myeloma kidney] Kojima K, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):115–21 (Eng. Abstr.) **(Jpn)**

[Plasma exchange in glomerulonephritis] Satoh H, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1243–9 **(Jpn)**

[Immune complexes in rheumatoid diseases, with special reference to plasma exchange therapy] Tsuda H, et al. **Rinsho Byori** 1986 Oct;Spec No 69:94–9 **(Jpn)**

[Successful delivery in a female with thrombotic thrombocytopenic purpura] Koyama T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1934–7 (Eng. Abstr.) **(Jpn)**

[Plasma exchange in the therapy of multiple myeloma—removal of a plasma light chain (Bence Jones protein) and improvement of kidney failure] Tsuji K, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1226–9 **(Jpn)**

[Plasma exchange with fresh frozen plasma in the treatment of thrombotic thrombocytopenic purpura] Berlin C, et al. **Lakartidningen** 1986 Dec 24;83(52):4452–4 **(Swe)**

ADVERSE EFFECTS

Infective complications of plasma exchange: a prospective study. Singer DR, et al. **Arthritis Rheum** 1987 Apr; 30(4):443–7

Aluminium loading during therapeutic plasma exchange. Monteagudo F, et al. **J Clin Apheresis** 1987;3(3):161–3

Phenytoin removal during plasma exchange. White RL, et al. **J Clin Apheresis** 1987;3(3):147–50

Partial exchange transfusion in term, polycythemic neonates: absence of association with severe gastrointestinal injury. Hein HA, et al. **Pediatrics** 1987 Jul;80(1):75–8

INSTRUMENTATION

Hepatic assist device, using membrane plasma separator and dialyzer. Yamazaki Z, et al. **Med Prog Technol** 1987; 12(1–2):17–24

METHODS

Plasma exchange: an important part of the therapeutic procedure in a small child with autoimmune hemolytic anemia. Imgrueth M, et al. **Acta Paediatr Scand** 1986 Nov; 75(6):1037–41

Aggressive combination therapy in the successful management of life–threatening intracranial hemorrhage in a patient with idiopathic thrombocytopenic purpura. Hoots WK, et al. **Am J Pediatr Hematol Oncol** 1986 Fall; 8(3):225–30

Nomograms for the prediction of patient's plasma volume in plasma exchange therapy from height, weight, and hematocrit. Sprenger KB, et al. **J Clin Apheresis** 1987; 3(3):185–90

[Care of patients with cardiopulmonary diseases treated by isovolume blood dilution therapy] Zhu YY, et al. **Chung Hua Hu Li Tsa Chih** 1987 Jan;22(1):17–8 **(Chi)**

[Hemapheresis] Haanen C. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2071–3 **(Dut)**

[Plasma exchange in children using IBM 2997, a dual–stage blood cell separator] Ninomiya T, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1234–7 **(Jpn)**

[Efficacy of plasma exchange using cryo removed plasma] Yoshida H, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1230–3 **(Jpn)**

PLASMA MEMBRANE see **CELL MEMBRANE**

PLASMA PROTEINS see **BLOOD PROTEINS**

PLASMA SUBSTITUTES

see related
BLOOD SUBSTITUTES

Changing use patterns of plasma volume expanders through educational intervention. Wong YY, et al. **Am J Hosp Pharm** 1987 Jan;44(1):102–5

Effects and side effects of colloid plasma substitutes as compared to albumin. Lutz H, et al. **Curr Stud Hematol Blood Transfus** 1986;(53):145–54

Plasma volume expanders—an overview. Cronin KD. **Dev Biol Stand** 1987;67:113–8

The use of frozen intravenous crystalloid solutions as the refrigerant for shipping blood. Berger JJ, et al. **Transfusion** 1987 Sep–Oct;27(5):406–10

Blood transfusion or blood substitution? Lowe KC. **Vox Sang** 1986;51(4):257–63

[Binding of drugs to artificial plasma substitutes] Borchardt W, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:28–30 (Eng. Abstr.) **(Ger)**

[Criteria for adequate plasma substitution in intensive plasmapheresis] Borisov BA, et al. **Ter Arkh** 1987; 59(6):88–91 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Saline–expanded group O uncrossmatched packed red blood cells as an initial resuscitation fluid in severe shock. Schwab CW, et al. **Ann Emerg Med** 1986 Nov;15(11):1282–7

Effects of haemodilution with fluorocarbons or dextran on oxygen tensions in the acutely ischaemic myocardium. Faithfull NS, et al. **Br J Anaesth** 1986 Sep;58(9):1031–40

[Comparative study of the modification of blood, blood coagulation, cardiovascular circulation by 3% modified, fluid gelatins and 6% low–molecular weight hydroxyethyl starch] Hopf HB, et al. **Infusionsther Klin Ernahr** 1987 Apr; 14 Suppl 2:31–5 (Eng. Abstr.) **(Ger)**

[Enhancement of the therapeutic efficacy of blood substitutes in burn shock] Kochetygov NI, et al. **Gematol Transfuziol** 1987 May;32(5):35–8 (Eng. Abstr.) **(Rus)**

[Correction of rheologic properties of the blood in transfusiology] Golovin GV, et al. **Vestn Khir** 1986 Nov; 137(11):129–33 (54 ref.) **(Rus)**

ADVERSE EFFECTS

A prospective study of dextran–induced anaphylactoid reactions in 5745 patients. Paull J. **Anaesth Intensive Care** 1987 May;15(2):163–7

SAG–M blood [letter] Routh G, et al. **Anaesthesia** 1986 Nov; 41(11):1163–4

Iatrogenic myocardial edema with crystalloid primes. Effects on left ventricular compliance, performance, and perfusion. Foglia RP, et al. **Curr Stud Hematol Blood Transfus** 1986; (53):53–63

Use of hetastarch for volume expansion [letter] Iacono RP, et al. **J Neurosurg** 1987 Apr;66(4):635–7

ANALYSIS

Crystalloids with calcareous deposition in the parotid gland: one of the possible causes of development of salivary calculi. Takeda Y. **J Oral Pathol** 1986 Sep;15(8):459–61

[Physico–chemical and biological properties of a new plasma substitute based on hydroxyethylated starch] Kudriashov LI, et al. **Bioorg Khim** 1986 Jun;12(6):812–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Clinical pharmacokinetic considerations in the use of plasma expanders. Klotz U, et al. **Clin Pharmacokinet** 1987 Feb; 12(2):123–35 (48 ref.)

PHARMACODYNAMICS

The effect of plasma volume expansion on the response to carotid occlusion in the non–human primate. Billman GE, et al. **J Auton Nerv Syst** 1987 Apr;19(1):21–30

SUPPLY & DISTRIBUTION

[Recent circumstances in the supply and demand of various blood products in Japan, and appropriate use of blood components or plasma protein derivatives] Tohyama H. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3095–104 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Effects of concentrated albumin treatment after aortocoronary bypass surgery. Karanko MS, et al. **Crit Care Med** 1987 Aug;15(8):737–42

Colloidal and crystalloidal fluid resuscitation in shock associated with increased capillary permeability. Haupt MT. **Curr Stud Hematol Blood Transfus** 1986;(53):86–100 (54 ref.)

Fluid resuscitation in circulatory shock. Colloids versus crystalloids. Kaufman BS, et al. **Curr Stud Hematol Blood Transfus** 1986;(53):186–98

Hemodynamic and oxygen transport effects of crystalloids and colloids in critically ill patients. Shoemaker WC. **Curr Stud Hematol Blood Transfus** 1986;(53):155–76 (63 ref.)

Plasma substitutes: the choice during surgery and intensive care. **Drug Ther Bull** 1987 May 18;25(10):37–9

Delayed microcirculatory hyperpermeability following perfusion washout. Rosen HM, et al. **Plast Reconstr Surg** 1987 Jan;79(1):102–7

The use of plasma substitutes with special attention to their side effects. Messmer KF. **World J Surg** 1987 Feb; 11(1):69–74 (42 ref.)

[Biophysical studies of blood products within the scope of the development of a blood component therapy program for surgical practice] Wilms K, et al. **Anaesthesiol Reanim** 1986;11(6):319–30 (Eng. Abstr.) **(Ger)**

[Effect of polidez on blood coagulation in patients with atherosclerosis of the major arteries] Shcherbinina SP. **Gematol Transfuziol** 1986 Dec;31(12):10–3 (Eng. Abstr.) **(Rus)**

[Intensive detoxication therapy in acute leukemia] Terekhov NT, et al. **Vrach Delo** 1987 May;(5):80–2 (Eng. Abstr.) **(Rus)**

TOXICITY

Peritoneal accumulation of infused stroma–free hemoglobin. Potential toxicity of an oxygen–carrying substitute. Velky TS Jr, et al. **Arch Surg** 1987 Mar;122(3):355–7

[Safety of the blood substitute polyglusol] Prostakova TM, et al. **Gematol Transfuziol** 1986 Oct;31(10):38–42 (Eng. Abstr.) **(Rus)**

PLASMA THROMBOPLASTIN ANTECEDENT see **FACTOR XI**

PLASMA THROMBOPLASTIN COMPONENT see **FACTOR IX**

PLASMA VOLUME

The effects of plasma volume variations on the calcium concentration during epidural anaesthesia. Kancir CB, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):338–42

Release of atrial natriuretic peptide (alpha–hANP) and circulating noradrenaline in relation to central and renal hemodynamics and sodium output during acute volume load in hypertensive and normotensive men. Andersson OK, et al. **Acta Med Scand [Suppl]** 1986;714:133–7

Systemic systolic hypertension in the elderly: correlation of hemodynamics, plasma volume, renin, aldosterone, urinary metanephrines and response to thiazide therapy. Vardan S, et al. **Am J Cardiol** 1986 Nov 1;58(10):1030–4

Volume homeostasis during pregnancy in the rat. Barron WM. **Am J Kidney Dis** 1987 Apr;9(4):296–302 (18 ref.)

Digoxin–like immunoreactive substance in pregnancy. González AR, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):660–4

Plasma volume and endocrine responses to water immersion with intermittent positive–pressure breathing in men. Harrison MH, et al. **Aviat Space Environ Med** 1987 May; 58(5):424–9

Plasma volume in senile and presenile Alzheimer's disease [letter] Abalan F, et al. **Biol Psychiatry** 1987 Jan;22(1):114–5

Estimates of plasma, packed cell and total blood volume in tissues of the rainbow trout (Salmo gairdneri). Gingerich WH, et al. **Comp Biochem Physiol [A]** 1987;87(2):251–6

Fluid volumes in rainbow trout, Salmo gairdneri: application of compartmental analysis. Nichols DJ. **Comp Biochem Physiol [A]** 1987;87(3):703–9

Intravascular volumes and colloid dynamics in relation to fluid management in living related kidney donors and recipients. Dawidson I, et al. **Crit Care Med** 1987 Jul; 15(7):631–6

Alterations in plasma–volume–corrected blood components of marathon runners and concomitant relationship to performance. Kraemer RR, et al. **Eur J Appl Physiol** 1986; 55(6):579–84

The effects of body position and exercise on plasma volume dynamics. Pivarnik JM, et al. **Eur J Appl Physiol** 1986; 55(4):450–6

Exaggerated natriuretic response to isotonic volume expansion in hypertensive renal transplant recipients: evaluation of proximal and distal tubular reabsorption by simultaneous determination of renal plasma clearance of lithium and 51Cr–EDTA. Nielsen AH, et al. **Eur J Clin Invest** 1987 Feb;17(1):37–42

Effect of hydration on plasma volume and endocrine responses to water immersion. Harrison MH, et al. **J Appl Physiol** 1986 Oct;61(4):1410–7

Atrial natriuretic factor: a possible link between left atrium, plasma volume, adrenergic control and renin–aldosterone in the mitral valve prolapse syndrome. Pasternac A, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S76–9

Plasma volume response to exercise on five consecutive days. Hill DW, et al. **J Sports Med Phys Fitness** 1987 Mar; 27(1):6–10

Training–induced hypervolemia: lack of an effect on oxygen utilization during exercise. Green HJ, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):202–6

Exercise training–induced hypervolemia in the horse. McKeever KH, et al. **Med Sci Sports Exerc** 1987 Feb; 19(1):21–7

Influence of left ventricular function on changes in plasma volume during acetate and bicarbonate dialysis. Leunissen KM, et al. **Nephrol Dial Transplant** 1987;2(2):99–103

Evidence of sympathetic augmentation mediated increase in the blood and the plasma volume following vagotomy. Kumar A, et al. **Pharmacol Res Commun** 1986 Oct; 18(10):935–50

Plasma volume in black women with eclampsia. Moodley J, et al. **S Afr Med J** 1986 Oct 25;70(9):538–9

Human vascular fluid responses to cold stress are not altered by cold acclimation. Young AJ, et al. **Undersea Biomed Res** 1987 May;14(3):215–28

[Plasma volume changes in essential hypertension patients] Tomov I, et al. **Vutr Boles** 1986;25(3):108–12 (Eng. Abstr.) **(Bul)**

[Hypovolemic reactions of man and animals to exposure to +GZ load factors of increasing intensity] Vartbaronov RA, et al. **Kosm Biol Aviakosm Med** 1987 May–Jun; 21(3):35–9 (Eng. Abstr.) **(Rus)**

[Disorders of regulation of the stability of the intravascular fluid volume in patients with liver cirrhosis] Gapon LI. **Ter Arkh** 1987;59(2):100–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Intestinal vascular obstruction shock in the rat. Effect of 2 dextran solutions on blood and plasma volumes, cardioinhibitory activity in blood and pulmonary platelet trapping. Haglind E, et al. **Acta Chir Scand** 1987 Feb; 153(2):87–92

Thiazide induced hypotension: the role of plasma volume reduction and the urinary kallikrein system. Solomon RJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:243–51

A search for endogenous Na+,K+-ATPase inhibitor in acutely volume-expanded hog plasma led to lysophosphatidylcholine gamma-stearoyl. Tamura M, et al. **J Hypertens** 1987 Apr;5(2):219–25

Plasma expansion does not precipitate the fall in plasma vasopressin in humans drinking isotonic fluids. Cotter TP, et al. **J Physiol (Lond)** 1986 Jul;376:429–38

[Effect of long-term hydrochlorothiazide treatment on blood pressure and plasma volume in patients with normal and low-renin arterial hypertension] Wyrzykowski B. **Wiad Lek** 1986 Oct 1;39(19):1297–303 (Eng. Abstr.) **(Pol)**

PLASMA VOLUME EXPANDERS see **PLASMA SUBSTITUTES**

PLASMACYTES see **PLASMA CELLS**

PLASMACYTOMA

CHEMICALLY INDUCED

Induction of plasma cell tumours with 2,6,10,14-tetramethylpentadecane (pristane) and paraffin oil (paraffinum perliquidum) in BALB/c mice simultaneously exposed to sustained antigenic stimulation with bovine serum albumin (BSA). Janz S, et al. **Arch Geschwulstforsch** 1987;57(1):25–30

Evidence for high purity of a commercial pristane (2,6,10,14-tetramethylpentadecane) preparation used for plasmocytoma induction in BALB/c mice. Janz S, et al. **Exp Pathol** 1987;31(4):253–5

Plasmacytomas in mice. Potter M. **Semin Oncol** 1986 Sep; 13(3):275–81

[Cancerogenic effect of long-term benzene exposure. Occurrence at the same work place of a plasmacytoma and two solid carcinomas] Boewer C. **Folia Haematol (Leipz)** 1986;113(5):615–32 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Cytologic classification in the diagnosis and prognostic evaluation of plasmocytoma] Sakalová A, et al. **Vnitr Lek** 1986 Aug;32(8):729–38 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Solitary plasmacytoma of the bone in a case of Hodgkin's disease. Gherlinzoni F, et al. **Acta Haematol (Basel)** 1986; 76(2–3):178–80

Systemic plasmacytosis. A syndrome of peculiar multiple skin eruptions, generalized lymphadenopathy, and polyclonal hypergammaglobulinemia. Watanabe S, et al. **Arch Dermatol** 1986 Nov;122(11):1314–20

Gamma-chain heavy-chain disease with primary thyroid plasmacytoma. Otió S, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):893–6

Necrobiotic xanthogranuloma with myeloma. A case report. Venencie PY, et al. **Cancer** 1987 Feb 1;59(3):588–92

Peripheral neuropathy associated with experimental plasma cell neoplasm in the mouse. Nemni R, et al. **J Neurol Sci** 1987 Feb;77(2–3):321–9

Plasmacytoma of a long clinical course with peripheral neuropathy and osteoblastic as well as osteolytic changes [clinical conference] Kizaki M, et al. **Keio J Med** 1986 Oct; 35(4):298–310

Biliary obstruction secondary to an extramedullary plasmacytoma of the pancreas: confusion with pancreatitis on computed tomography. Scheiman J, et al. **Pancreas** 1987; 2(2):237–9

Bone destruction and hypercalcemia in plasma cell myeloma [published erratum appears in Semin Oncol 1986 Dec;13(4):lxiii] Mundy GR, et al. **Semin Oncol** 1986 Sep; 13(3):291–9 (59 ref.)

Plasmacytoma of the ileum complicating Crohn's disease: report of a case and review of the literature. Robertson EJ, et al. **Surgery** 1986 Nov;100(5):916–23

[Neurologic manifestations in multiple myeloma] Somer H, et al. **Duodecim** 1986;102(13):880–7 (Eng. Abstr.) **(Fin)**

[Polyradiculoneuritis in a solitary secreting plasmacytoma] Ben Salem N, et al. **Tunis Med** 1986 Aug–Sep; 64(8–9):749–50 (Eng. Abstr.) **(Fre)**

[Clinical problems of viral hepatitis B in hematological neoplasms] Berles R, et al. **Folia Haematol (Leipz)** 1986; 113(3):343–50 (Eng. Abstr.) **(Ger)**

[Polyneuropathy, organomegaly, endocrinopathy and skin changes in a case of solitary myeloma] Meier C, et al. **Schweiz Med Wochenschr** 1986 Sep 27;116(39):1326–31 (Eng. Abstr.) **(Ger)**

[A case of amyloidosis associated with a solitary micromolecular plasmocytoma] Parenti G, et al. **Minerva Med** 1987 Apr 15;78(7):489–92 (Eng. Abstr.) **(Ita)**

[Lymph node plasmacytoma as the 2d tumor in a patient with Hodgkin's disease] Loutayf Ranea JJ. **Medicina (B Aires)** 1986;46(2):252 **(Spa)**

DIAGNOSIS

Gastric plasmacytoma: an early lesion diagnosed with the aid of immunoperoxidase and immunogold techniques. Ooi A, et al. **Am J Gastroenterol** 1987 Jun;82(6):572–8

Neoplasms of plasma cells: morphological diagnosis? Reynoso G, et al. **Am J Gastroenterol** 1987 Jun;82(6):547–8

Plasmacytoma of the lung. A case report describing two tumors of different immunologic type in a single patient. Roikjaer O, et al. **Cancer** 1986 Dec 15;58(12):2671–4

Extramedullary plasma cell tumors: diagnosis by fine-needle aspiration cytology. Das DK, et al. **Diagn Cytopathol** 1986 Sep;2(3):248–51

Plasmacytoma of the testis. Terzian N, et al. **J Urol** 1987 Apr;137(4):745–6

Case for diagnosis. Lymphoplasmacytic lymphoma. Jonas DO. **Milit Med** 1987 Apr;152(4):213–5

[Double breast and vertebral plasmacytoma. Acute myeloblastic leukemia 8 years later] Desablens B, et al. **Bull Cancer (Paris)** 1986;73(3):311–5 (Eng. Abstr.) **(Fre)**

[Intracranial solitary plasmacytoma: a rare differential diagnosis with meningioma (letter)] Dubost JJ, et al. **Presse Med** 1987 May 9;16(17):830 **(Fre)**

[2 cases of osseous myeloma with a favorable long-term outcome] De Santis E, et al. **Arch Putti Chir Organi Mov** 1985;35:389–95 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Effectiveness of low-dose melphalan treatment against a nonimmunogenic primary induced mouse plasmacytoma. Ophir R, et al. **Anticancer Res** 1987 Jan–Feb;7(1):91–6

Enhancing effect of bromovinyldeoxyuridine on antitumour activity of 5-fluorouracil in mice bearing MOPC-315 plasmacytomas. Ben-Efraim S, et al. **Br J Cancer** 1986 Nov; 54(5):847–51

Specificity of the generation and expression of enhanced anti-plasmacytoma immunity by spleen cells from melphalan-treated MOPC-315 tumor bearers. Mokyr MB, et al. **Cancer Immunol Immunother** 1986;23(1):11–9

Peptichemio in pretreated patients with plasmacell neoplasms. Paccagnella A, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1053–8

ETIOLOGY

Neoplastic complications of human immunodeficiency virus infection [letter] Karnad A, et al. **Am J Med** 1987 Jun; 82(6):1282

Multiple myeloma presenting as a pituitary tumor [letter] Harrison LB, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):653–4

[Extramedullary plasmacytoma of the liver] Suzuki N, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1412–7 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Constitutive activation of oncogenes by chromosomal translocations in B-cell derived tumors. Klein G. **AIDS Res** 1986 Dec;2 Suppl 1:S167–76 (55 ref.)

Murine plasmacytomas constitute a class of natural heat-shock variants in which the major inducible hsp-68 gene is not expressed. Aujame L. **Can J Genet Cytol** 1986 Dec;28(6):1064–75

c-myc-induced lymphomagenesis in transgenic mice and the role of the Pvt-1 locus in lymphoid neoplasia. Adams JM, et al. **Curr Top Microbiol Immunol** 1986;132:1–8

Mutations which stabilize myc transcripts and enhance myc transcription in two mouse plasmacytomas. Bauer SR, et al. **Curr Top Microbiol Immunol** 1986;132:339–44

Altered c-myc RNA metabolism in Burkitt's lymphomas and mouse plasmacytomas. Piechaczyk M, et al. **Curr Top Microbiol Immunol** 1986;132:331–8

Chromosomal radiosensitivity during G2 phase and susceptibility to plasmacytoma induction in mice. Sanford KK, et al. **Curr Top Microbiol Immunol** 1986;132:202–8

Chromosome 8 breakpoint far 3' of the c-myc oncogene in a Burkitt's lymphoma 2;8 variant translocation is equivalent to the murine pvt-1 locus. Graham M, et al. **EMBO J** 1986 Nov;5(11):2845–51

Structure and activity of the translocated c-myc in mouse plasmacytoma XRPC-24. Moav B, et al. **Gene** 1986; 48(2–3):297–300

Suppression of transformed phenotypes in intraspecific somatic cell hybrid clones between the c-myc activating mouse plasmacytoma line and normal cells. Oikawa T, et al. **Int J Cancer** 1987 May 15;39(5):604–10

Myeloma mutant with a novel 3' flanking region: loss of normal sequence and insertion of repetitive elements leads to decreased transcription but normal processing of the alpha heavy-chain gene products. Gregor PD, et al. **Mol Cell Biol** 1986 Jun;6(6):1903–16

An active chromatin structure acquired by translocated c-myc genes. Kakkis E, et al. **Mol Cell Biol** 1986 Apr; 6(4):1357–61

Proviral integration site Mis-1 in rat thymomas corresponds to the pvt-1 translocation breakpoint in murine plasmacytomas. Villeneuve L, et al. **Mol Cell Biol** 1986 May;6(5):1834–7

Oncogene activation of plasmacytomas in mice. Ohno S, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1721–8

IMMUNOLOGY

Influence of conditioned natural immunity on tumor growth. Ghanta V, et al. **Ann NY Acad Sci** 1987;496:637–46

Frequency of murine cytotoxic T cell precursors reactive to plasma cell tumour-associated antigens as compared to major histocompatibility antigens. Burton RC. **Aust J Exp Biol Med Sci** 1986 Aug;64 (Pt 4):323–34

In-vitro cytolysis of myeloma tumor cells with glucose oxidase and lactoperoxidase antibody conjugates. Pene J, et al. **Biochem Int** 1986 Aug;13(2):233–43

Studies on the recovery from tolerance to tumor antigens. I. Bone marrow cells from tolerant hosts are not rendered tolerant, but provide potential to reconstitute tumor-specific effector T cell clones. Fujiwara H, et al. **Cancer Immunol Immunother** 1987;24(2):113–20

Studies on the recovery from tolerance to tumor antigens. II. Accelerated recovery of tumor-specific effector T cells in tolerant mice by applying T-T cell interaction mechanism. Sato S, et al. **Cancer Immunol Immunother** 1987;24(2):121–6

Primary lymph node plasmocytoma of IgD-class. Storch H, et al. **Haematologia (Budap)** 1986;19(3):219–25

Immunoperoxidase characterization of extramedullary plasmacytoma of the head and neck. Mock PM, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):356–61

Control of B cell proliferation: arrest of B cells in late G1 underlies immunosuppression induced by plasma cell tumors. Berman JE, et al. **J Immunol** 1987 May 1; 138(9):2805–12

Sequences near the 3' secretion-specific polyadenylation site influence levels of secretion-specific and membrane-specific IgG2b mRNA in myeloma cells. Kobrin BJ, et al. **Mol Cell Biol** 1986 May;6(5):1687–97

Interruption of two immunoglobulin heavy-chain switch regions in murine plasmacytoma P3.26Bu4 by insertion of retroviruslike element ETn. Shell B, et al. **Mol Cell Biol** 1987 Apr;7(4):1364–70

DNA rearrangement causes a high rate of spontaneous mutation at the immunoglobulin heavy-chain locus of a mouse myeloma cell line. Yu H, et al. **Mol Cell Biol** 1986 Dec;6(12):4228–35

Somatic diversification of S107 from an antiphosphocholine to an anti-DNA autoantibody is due to a single base change in its heavy -ain variable region. Giusti AM, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2926–30

Plasmacytoma of the thyroid: a case report, a study with use of the immunoperoxidase technique, and a review of the literature. Beguin Y, et al. **Surgery** 1987 Apr; 101(4):496–500

[Diagnosis and evaluation of monoclonal immunoglobulins in the aged with reference to plasmacytoma] Storch H, et al. **Z Gesamte Inn Med** 1986 Jun 15;41(12):340–4 (Eng. Abstr.) **(Ger)**

[A case of extramedullary plasmacytoma of the mediastinum and the retroperitoneum, associated with production of IgG kappa-type M-protein] Inoue N, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2319–24 (Eng. Abstr.) **(Jpn)**

[IgG (lambda) myeloma occurring in Weber-Christian disease: a case report] Shigekiyo T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2291–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of a zinc-deficient diet on mitochondrial and microsomal lipid composition in TEPC-183 plasmacytoma. Burke JP, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):148–56

Studies on transferrin receptor expression in mouse plasmacytoma cells. Neckers LM, et al. **Curr Top Microbiol Immunol** 1986;132:148–52

[A case of IgA-lambda producing gastric plasmacytoma associated with alpha-fetoprotein producing gastric carcinoma] Nakamoto H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1524–9 **(Jpn)**

MICROBIOLOGY

Rapid induction of plasmacytomas in mice by pristane and a murine recombinant retrovirus containing an avian v-myc and a defective raf oncogene. Potter M, et al. **Curr Top Microbiol Immunol** 1986;132:40–3

Avian v-myc replaces chromosomal translocation in murine plasmacytomagenesis. Potter M, et al. **Science** 1987 Feb 13;235(4790):787–9

OCCURRENCE

Coexistent lymphoid or plasma cell neoplasms [letter] [published erratum appears in Br J Haematol 1987 Jun;66(2):377] Stark AN, et al. **Br J Haematol** 1987 Mar; 65(3):376–7

PATHOLOGY

The skin changes in the Crow-Fukase (POEMS) syndrome. A case report. Shelley WB, et al. **Arch Dermatol** 1987 Jan; 123(1):85–7

Esthesioneuroblastoma masquerading as extramedullary

plasmacytoma. Abrams RA, et al. **Cancer** 1987 Jul 1; 60(1):88–9

Solitary plasmacytomas of bone and extramedullary plasmacytomas. A clinicopathologic and immunohistochemical study. Meis JM, et al. **Cancer** 1987 Apr 15;59(8):1475–85

Induction of the plateau phase and rescue of MOPC 104E by nonspecific immunization. Ghanta VK, et al. **Cancer Invest** 1986;4(6):525–33

Long-term study of gammopathies. Clinically benign cases showing transition to malignant plasmacytomas after long periods of observation. Bernett A, et al. **Clin Biochem** 1986 Aug;19(4):244–9

A growth factor required by plasmacytoma cells in vitro. Nordan RP, et al. **Curr Top Microbiol Immunol** 1986; 132:114–20

An in vitro model for tumor progression in murine lymphoid cells. Schwartz RC, et al. **Curr Top Microbiol Immunol** 1986;132:75–80

Extramedullary plasmacytoma of the parotid gland. Scholl P, et al. **Ear Nose Throat J** 1986 Dec;65(12):564–7

Interleukin-HP1-related hybridoma and plasmacytoma growth factors induced by lipopolysaccharide in vivo. Coulie PG, et al. **Eur J Immunol** 1987 Aug;17(8):1217–20

A solitary plasmacytoma in the foot. Newcott EP. **J Am Podiatr Med Assoc** 1987 Apr;77(4):187–90

Identification of the human 26-kD protein, interferon beta 2 (IFN-beta 2), as a B cell hybridoma/plasmacytoma growth factor induced by interleukin 1 and tumor necrosis factor. Van Damme J, et al. **J Exp Med** 1987 Mar 1; 165(3):914–9

Interleukin-HP1, a T cell-derived hybridoma growth factor that supports the in vitro growth of murine plasmacytomas. Van Snick J, et al. **J Exp Med** 1987 Mar 1;165(3):641–9

Role of the macrophage-derived hybridoma growth factor in the in vitro and in vivo proliferation of newly formed B cell hybridomas. Bazin R, et al. **J Immunol** 1987 Aug 1;139(3):780–7

A case of IgG lambda-type solitary plasmacytoma in the maxilla associated with amyloidosis. Saito K, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):715–8

Extramedullary plasmacytoma of the mediastinum. Niwa K, et al. **Jpn J Clin Oncol** 1987 Mar;17(1):95–100

Bilateral primary extramedullary orbital plasmacytomas. Gonnering RS. **Ophthalmology** 1987 Mar;94(3):267–70

An instrument for simultaneous acquisition of fluorescence spectra and fluorescence lifetimes from single cells. Ramponi R, et al. **Photochem Photobiol** 1987 Jan; 45(1):161–5

Combined plasmacytoma and squamous cell carcinoma. Dasmahapatra HK, et al. **Thorac Cardiovasc Surg** 1986 Dec; 34(6):403–5

[Solitary intracranial plasmacytoma--a case report and review of the literature] Chen ZL. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):153–5 (Eng. Abstr.) **(Chi)**

[Studies on the regulatory effect of rabbit reticulocyte cytoplasmic factors on the malignancy of mouse myeloma cells] Xue SP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):339–46 (Eng. Abstr.) **(Chi)**

[A comparison of staging classifications of plasmacytoma] Löffler H, et al. **Onkologie** 1986 Aug;9(4):196, 199–201 (Eng. Abstr.) **(Ger)**

[An autopsy case of plasmacytoma of the thyroid gland] Baba T, et al. **Gan No Rinsho** 1987 Apr;33(4):392–8 (Eng. Abstr.) **(Jpn)**

[Extramedullary plasmacytoma forming a mass in the epidural space of the spinal cord: report of a case] Kato T, et al. **No Shinkei Geka** 1987 Feb;15(2):213–8 (Eng. Abstr.) **(Jpn)**

[The Crow-Fukase syndrome associated with extramedullary plasmacytoma--an autopsy case] Ohkoshi N, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):185–93 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Serum-free medium for growth factor-dependent and -independent plasmacytomas and hybridomas. Shacter E. **J Immunol Methods** 1987 May 20;99(2):259–70

RADIOGRAPHY

Extramedullary plasmacytoma of the bladder. Ozan O, et al. **Acta Urol Belg** 1986;54(4):431–3

Unusual patterns of solitary sacral plasmacytoma. Lanzieri CF, et al. **AJNR** 1987 May-Jun;8(3):566–7

Extramedullary plasmacytoma of the thyroid. Salazar JE, et al. **J Can Assoc Radiol** 1987 Jun;38(2):136–8

[Solitary extra-bone marrow plasmacytoma. Computerized tomography description of a case of mesenterico-ileal localization associated with gastric carcinoma] Di Prima F, et al. **Radiol Med (Torino)** 1987 Jun;73(6):584–6 **(Ita)**

RADIOTHERAPY

Plasmacytoma of the head and neck. Gaffney CC, et al. **Clin Radiol** 1987 Jul;38(4):385–8

Extramedullary plasmacytoma of the rectum: two cases treated by radiotherapy. Price A, et al. **Clin Radiol** 1987 May;38(3):283–5

[Radiotherapy of extra-medullary plasma cell tumor--report of 13 patients] Dong D, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):306–9 (Eng. Abstr.) **(Chi)**

SECONDARY

[Orbital localizations disclosing hematologic disease: discussion apropos of 4 cases] Boissonnot M, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1085–8 (Eng. Abstr.) **(Fre)**

SURGERY

Surgical approach to tumors arising from the posterior two thirds of the nasal septum. Hasegawa M, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):157–62

THERAPY

The treatment of solitary plasmacytoma of bone and extramedullary plasmacytoma. Greenberg P, et al. **Am J Clin Oncol** 1987 Jun;10(3):199–204

ULTRASTRUCTURE

Gastric plasmacytoma with cylindrical crystalline inclusions. Kobayashi Y, et al. **Gastroenterol Jpn** 1987 Feb;22(1):81–7

VETERINARY

Three types of swine immunoglobulin-producing tumours: lymphoplasmacytic lymphosarcoma, immunoblastic lymphosarcoma and plasmacytoma. Kadota K, et al. **J Comp Pathol** 1986 Sep;96(5):541–50

Oral extramedullary plasmacytomas in two dogs. Morton LD, et al. **Vet Pathol** 1986 Sep;23(5):637–9

PLASMALOGENS

Structure and dynamics of plasmalogen model membranes containing cholesterol: a deuterium NMR study. Malthaner M. et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):191–7

ANALYSIS

2H-NMR studies on ether lipid-rich bacterial membranes: deuterium order profile of Clostridium butyricum. Johnston NC, et al. **Biochim Biophys Acta** 1987 May 29;899(2):302–6

A comparative study of three methods for the estimation of total plasmalogens in lingual taste epithelium and other tissues. Huque T, et al. **Comp Biochem Physiol [B]** 1987; 86(1):135–9

Plasmalogen deficiency in cultured skin fibroblasts from neonatal adrenoleukodystrophy. Sakai T, et al. **Exp Neurol** 1986 Oct;94(1):149–54

BIOSYNTHESIS

Plasmalogen biosynthesis in Madin-Darby canine kidney cells: selectivity in the acylation of 1-alkyl-2-lyso-sn-glycero-3-phosphoethanolamine and the subsequent desaturation step. Blank ML, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):55–60

Biosynthetic preparation of radioactively labelled ethanolamine plasmalogen (1-O-[1'-14C]octadec-1'-enyl-2-acyl-sn-glycero-3-phosphoethanola mine) using a protozoan cell culture. Achterberg V, et al. **Chem Phys Lipids** 1986 Sep; 41(2):137–45

Conversion of radiolabelled ethanolamine plasmalogen into the dimethylethanolamine and choline analogue via transphosphatidylation by phospholipase D from cabbage. Achterberg V, et al. **Chem Phys Lipids** 1986 Oct-Nov; 41(3–4):349–53

Stimulated neutrophils produce an ethanolamine plasmalogen analog of platelet-activating factor. Tessner TG, et al. **J Biol Chem** 1987 Sep 15;262(26):12660–4

Neonatal adrenoleukodystrophy. Impaired plasmalogen biosynthesis and peroxisomal beta-oxidation due to a deficiency of catalase-containing particles (peroxisomes) in cultured skin fibroblasts. Wanders RJ, et al. **J Neurol Sci** 1987 Feb;77(2-3):331–40

Choline plasmalogen biosynthesis by transmethylation in human platelets. Mozzi R, et al. **Thromb Res** 1987 Mar 1;45(5):687–93

BLOOD

Preferential synthesis of diacyl and alkenylacyl ethanolamine and choline glycerophospholipids in rabbit platelet membranes. Morikawa S, et al. **J Biol Chem** 1987 Jan 25; 262(3):1213–7

Age-related differences in plasmalogen content of erythrocytes from patients with the cerebro-hepato-renal (Zellweger) syndrome: implications for postnatal detection of the disease. Wanders RJ, et al. **J Inherited Metab Dis** 1986;9(4):335–42

Diagnosis of Zellweger syndrome by analysis of bile acids and plasmalogens in stored dried blood collected at neonatal screening. Gustafsson J, et al. **J Pediatr** 1987 Aug; 111(2):264–7

CHEMICAL SYNTHESIS

Synthesis of ether phospholipids. Godfroid JJ, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:1–10

METABOLISM

Choline plasmalogens, glycerophospholipid methylation, and receptor-mediated activation of adenylate cyclase. Horrocks LA, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1986; 20:263–92 (144 ref.)

Active metabolism of phosphatidylethanolamine plasmalogen in stimulated platelets, analyzed by high performance liquid chromatography. Kambayashi J, et al. **Biochem Int** 1987 Feb;14(2):241–7

Conversion of radiolabelled ethanolamine plasmalogen into the dimethylethanolamine and choline analogue via transphosphatidylation by phospholipase D from cabbage. Achterberg V, et al. **Chem Phys Lipids** 1986 Oct-Nov; 41(3–4):349–53

PHARMACODYNAMICS

Endothelium-dependent vasorelaxation induced by Cn-acetal plasmalogens. Braquet P, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):209–19

PLASMAPHERESIS

Effects of serum fractions obtained from cancer patients by double-filtration plasmapheresis on tumor growth and metastasis in mice. Shiozaki S, et al. **Acta Med Okayama** 1987 Apr;41(2):63–9

Peripheral neuropathy associated with plasma cell dyscrasia: a clinical and electrophysiological follow-up study. Smith T, et al. **Acta Neurol Scand** 1987 Apr;75(4):244–8

Trace elements and plasmapheresis. Mäkelä AL, et al. **Acta Paediatr Scand** 1986 Sep;75(5):864–5

Control of plasma HDL levels after plasmapheresis. Thompson GR, et al. **Adv Exp Med Biol** 1986;201:127–35 (27 ref.)

Partial plasma exchange in patients with AIDS and Kaposi's sarcoma. Plasmapheresis in AIDS. Reiss RF, et al. **AIDS Res** 1986 Summer;2(3):183–90

The use of plasmapheresis in patients with liver disease [editorial] Riely CA. **Am J Gastroenterol** 1987 Sep; 82(9):882

Thrombotic thrombocytopenic purpura: treatment with plasmapheresis. Blitzer JB, et al. **Am J Hematol** 1987 Apr; 24(4):329–39

Plasmapheresis and antiplatelet agents in the treatment of the hemolytic uremic syndrome secondary to mitomycin [letter] Murgo AJ. **Am J Kidney Dis** 1987 Mar;9(3):241

Phenytoin removal by plasmapheresis in renal insufficiency. Brown-Molnar CS, et al. **Am J Nephrol** 1986;6(4):302–6

Albumin and IgG in skin and skeletal muscle after plasmapheresis with saline loading. Mullins RJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H71–9

Type V hyperlipoproteinemia and plasmapheresis [letter] Richter WO, et al. **Ann Intern Med** 1987 May;106(5):779

Synchronization of plasmapheresis and pulse cyclophosphamide in severe systemic lupus erythematosus. Schroeder JO, et al. **Ann Intern Med** 1987 Sep;107(3):344–6

Synchronization of plasmapheresis and pulse cyclophosphamide therapy in pemphigus vulgaris. Euler HH, et al. **Arch Dermatol** 1987 Sep;123(9):1205–10

Plasmapheresis in a patient with scleromyxedema. Westheim AI, et al. **Arch Dermatol** 1987 Jun;123(6):786–9

Acute transverse myelopathy successfully treated with plasmapheresis and prednisone in a patient with primary Sjögren's syndrome. Konttinen YT, et al. **Arthritis Rheum** 1987 Mar;30(3):339–44

HDL-cholesterol sparing and APO-B removal in recycled cascade plasmafiltration. Busnach G, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):168–70

A model of hemolysis in membrane plasmapheresis. Ding LH, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):330–3

Long-term repetitive plasmapheresis in hypercholesterolemic rabbits. Kutsumi Y, et al. **ASAIO Trans** 1986 Jul-Sep; 32(1):163–7

Changes in interleukin-1 during membrane plasmapheresis. Omokawa S, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):392–6

Therapeutic plasmapheresis [editorial] Samtleben W, et al. **Biomed Pharmacother** 1986;40(8):281–3

Apheresis, exchange, adsorption and filtration of plasma: four approaches to the removal of undesirable circulating substances. Virella G, et al. **Biomed Pharmacother** 1986; 40(8):286–96 (79 ref.)

Plasmapheresis in rheumatic diseases. Wallace DJ. **Biomed Pharmacother** 1986;40(8):284–6

Biocompatibility of different hemodialysis and plasmapheresis membranes. Jørstad S. **Blood Purif** 1987;5(2–3):123–37

Peripheral neuropathy with gammopathy responding to plasmapheresis. Frayne J, et al. **Clin Exp Neurol** 1985; 21:195–200

Response to apheresis: problems of assessment in immune disease. Jones JV. **Clin Nephrol** 1986;26 Suppl 1:S70–5

Parameters for indication of plasmapheresis and the interpretation of results. Vangelista A, et al. **Clin Nephrol** 1986;26 Suppl 1:S64–9

Plasma exchange in hands of the neurologist. van der Knaap MS, et al. **Clin Neurol Neurosurg** 1986;88(4):233–43

The utility of therapeutic plasmapheresis for neurological disorders. National Institutes of Health. **Conn Med** 1986 Dec;50(12):824–8

Plasma fibronectin levels during daily plasmapheresis. Wahlin A, et al. **Eur J Haematol** 1987 Jan;38(1):39–42

Haemorrhagic shock–encephalopathy syndrome: plasmapheresis as a therapeutic approach. Roth B, et al. **Eur J Pediatr** 1987 Jan;146(1):83–5

Selective removal of pathogenetic macromolecules directly from whole blood by double filtration technique. Agishi T. **Int J Artif Organs** 1986 Sep;9(5):355–8

Plasmapheresis in acute liver failure. Freeman JG, et al. **Int J Artif Organs** 1986 Nov;9(6):433–8

Blood detoxification by membrane plasma filtration. Malchesky PS, et al. **Int J Artif Organs** 1986 Sep; 9(5):349–54

Solar urticaria: treatment by plasmapheresis [letter] Duschet P, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):712–3

Plasmapheresis, a treatment modality for necrobiotic xanthogranuloma. Finelli LG, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):351–4

Protection from endotoxemia: a rat model of plasmapheresis and specific adsorption with polymyxin B. Cohen J, et al. **J Infect Dis** 1987 Apr;155(4):690–5

Plasmapheresis for myasthenic crisis in a young child. Snead OC 3d, et al. **J Pediatr** 1987 May;110(5):740–2

Dynamics of plasma lipoproteins and lipids during double filtration plasmapheresis (DEP). Sakata S, et al. **Jpn J Med** 1987 May;26(2):176–9

Plasmapheresis: a review from the University Hospital, Kuala Lumpur. Ng SC, et al. **Malays J Pathol** 1985 Aug;7:45–9

Comparison of selectivity of LDL removal by double filtration and dextran–sulfate cellulose column plasmapheresis, and changes of subfractionated plasma lipoproteins after plasmapheresis in heterozygous familial hypercholesterolemia. Homma Y, et al. **Metabolism** 1987 May;36(5):419–25

The utility of therapeutic plasmapheresis for neurological disorders. **Nat Inst Health Consensus Dev Conf Consensus Statement** 1986;6(4):1–7

Chronic–relapsing polyneuropathy in the course of cryoglobulinemia. Clinical aspects and plasmapheretic treatment. Caviglia AG, et al. **Ric Clin Lab** 1986 Apr–Jun; 16(2):385–7

[Thrombopenia caused by heparin. Treatment by plasmapheresis (letter)] Bouvier JL, et al. **Presse Med** 1986 Nov 29;15(42):2115 **(Fre)**

[Intensive plasmapheresis in the Guillain–Barré syndrome. Recent experience] Rochon M, et al. **Union Med Can** 1986 Dec;115(12):862–4 (Eng. Abstr.) **(Fre)**

[Cyclophosphamide stosstherapy synchronized with plasmapheresis in rapidly progressive glomerulonephritis] Gutschmidt HJ, et al. **Dtsch Med Wochenschr** 1986 Sep 19;111(38):1439–44 (Eng. Abstr.) **(Ger)**

[Plasmapheresis in Guillain–Barre syndrome. Neurologic follow–up] Besser R, et al. **Med Klin** 1986 May 27; 81(12):409–13 (Eng. Abstr.) **(Ger)**

[Flow characteristics of blood and its therapeutic modification] Reinhart WH. **Schweiz Med Wochenschr** 1987 May 2;117(18):693–7 (Eng. Abstr.) **(Ger)**

[Plasmapheresis treatment in 3 simultaneously occurring autoimmune diseases: Hashimoto thyroiditis with hyperthyroidism, autoimmune thrombopenia and autoimmune hemolytic anemia] Geissler D, et al. **Wien Klin Wochenschr** 1987 May 15;99(10):351–5 (Eng. Abstr.) **(Ger)**

[Detoxication in thyrotoxic crisis] Ventz M, et al. **Z Arztl Fortbild (Jena)** 1986;80(13):527–9 **(Ger)**

[Plasmapheresis in neurological diseases] Giladi N, et al. **Harefuah** 1987 Mar 1;112(5):241–3 (24 ref.) **(Heb)**

[Transformation of blood components by therapy (plasmapheresis)] Lavie G. **Harefuah** 1987 Jan 15; 112(2):92–5 **(Heb)**

[Evaluation of therapeutic plasmapheresis] Shechter Y, et al. **Harefuah** 1986 Aug;111(3–4):65–6 (Eng. Abstr.) **(Heb)**

[Treatment of Rh–isoimmunized pregnant women with plasmapheresis] Molnár GB, et al. **Orv Hetil** 1987 Feb 8; 128(6):291–5 (Eng. Abstr.) **(Hun)**

[Acute fulminating hepatitis: treatment by plasma pheresis] Consoli P, et al. **Minerva Anestesiol** 1986 Nov;52(11):411–7 (Eng. Abstr.) **(Ita)**

[Familial hypercholesterolemia. Study of low–density lipoprotein receptors. Treatment with plasmapheresis] Bellini C, et al. **Minerva Pediatr** 1986 Oct 31;38(20):893–902 (Eng. Abstr.) **(Ita)**

[Use of plasmapheresis in the treatment of hemolytic–uremic syndrome in children] Salvatori G, et al. **Pediatr Med Chir** 1986 May–Jun;8(3):383–7 (Eng. Abstr.) **(Ita)**

[Complement activation during hemodialysis and plasmapheresis] Sekiguchi T. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):175–83 (Eng. Abstr.) **(Jpn)**

[A case report of adult hemolytic uremic syndrome] Tsugawa Y, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):97–104 (Eng. Abstr.) **(Jpn)**

[Experimental study of the prevention of renal dysfunction following open heart surgery; application of the plasmapheresis technic] Niino S. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):26–34 (Eng. Abstr.) **(Jpn)**

[Removal treatment of HBV in HBeAg positive chronic hepatitis type B] Tomita A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):894–903 (Eng. Abstr.) **(Jpn)**

[Clinical application of plasmapheresis in the therapy of a case of multiple myeloma] Takasaki M, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1223–5 **(Jpn)**

[Plasmapheresis–pulse therapy in chronic stage of Guillain–Barré syndrome—controlled study] Jyoichi T, et al. **Rinsho Shinkeigaku** 1987 Apr;27(4):479–86 (Eng. Abstr.) **(Jpn)**

[Lymphocyto–plasmapheresis for relapsing multiple sclerosis] Jyoichi T, et al. **Rinsho Shinkeigaku** 1986 Sep;26(9):907–9 (Eng. Abstr.) **(Jpn)**

[Thrombotic thrombocytopenic purpura. Treatment with plasmapheresis] Nesthus I, et al. **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2852–3, 2839 (Eng. Abstr.) **(Nor)**

[Effect of therapeutic plasmapheresis on the blood coagulation process in pregnant women with serologic Rh incompatibility] Riess A, et al. **Ginekol Pol** 1986 Sep; 57(9):592–5 (Eng. Abstr.) **(Pol)**

[Treatment of paraquat poisoning. Plasmapheresis versus hemodialysis] Ponce P, et al. **Acta Med Port** 1986 Sep–Dec; 7(5–6):193–6 (Eng. Abstr.) **(Por)**

[Plasmapheresis in the combined therapy of Lyell's syndrome] Khapil KhKh, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):61–2 (Eng. Abstr.) **(Rus)**

[Hypotensive effect of plasmapheresis in patients with severe symptomatic arterial hypertension of renal origin] Kutsenko AI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):87–90 (Eng. Abstr.) **(Rus)**

[Clinico–immunological assessment of the effectiveness of plasmapheresis in the combined therapy of patients with high arterial hypertension] Legkonogov AV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):25–9 (Eng. Abstr.) **(Rus)**

[Immunological aspects of using plasmapheresis, leukocytapheresis and lymphocytoplasmapheresis in treating nonspecific aortoarteritis] Vedernikov AIu, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):29–33 (Eng. Abstr.) **(Rus)**

[Autologous blood transfusion and plasmapheresis in the complex treatment of patients with hemophilia] Fedorova ZD, et al. **Gematol Transfuziol** 1987 Mar;32(3):47–9 **(Rus)**

[Effect of plasma on the proliferative activity of leukocytes in patients with leukemia] Lindstrem SL, et al. **Gematol Transfuziol** 1986 Aug;31(8):23–6 (Eng. Abstr.) **(Rus)**

[Use of plasma– and thrombocytapheresis in patients with stenocardia] Dobashina AN, et al. **Kardiologiia** 1986 Oct; 26(10):45–9 (Eng. Abstr.) **(Rus)**

[Methodology of plasmapheresis in the treatment of patients with hereditary hypercholesterolemia] Konovalov GA, et al. **Kardiologiia** 1986 Oct;26(10):42–4 (Eng. Abstr.) **(Rus)**

[Experiences using long–term (4–12 months) plasmapheresis in patients with hereditary hypercholesterolemia] Kukharchuk VV, et al. **Kardiologiia** 1986 Oct;26(10):19–23 (Eng. Abstr.) **(Rus)**

[Thrombocyte function during the performance of plasmapheresis and immunosorption in patients with familial hypercholesterolemia] Mazurov AV, et al. **Kardiologiia** 1987 Jun;27(6):57–61 (Eng. Abstr.) **(Rus)**

[Hypotensive effect of plasmapheresis in severe arterial hypertension] Mikhallov AA, et al. **Kardiologiia** 1986 Oct; 26(10):98–9 **(Rus)**

[Plasmapheresis combined with hemosorption in the treatment of burns] Sologub VK, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):90–5 (Eng. Abstr.) **(Rus)**

[Plasmapheresis in the treatment of patients with renal failure] Mikhallov AA, et al. **Klin Med (Mosk)** 1987 Jan; 65(1):117–21 (Eng. Abstr.) **(Rus)**

[Radionuclide method in assessing the effect of plasmapheresis on microcirculation in nonspecific aorto–arteritis] Gordeev VF, et al. **Sov Med** 1987;(4):86–8 **(Rus)**

[Effect of exchange plasmapheresis on systemic and regional blood flow in diffuse purulent peritonitis] Lobakov AI, et al. **Sov Med** 1987;(1):93–6 **(Rus)**

[The place of plasmapheresis in the treatment of severe forms of bronchial asthma] Dvoretskiĭ LI, et al. **Ter Arkh** 1987; 59(3):57–9 **(Rus)**

[Intensive plasmapheresis in the treatment of acute pneumonia] Fil'ko VN, et al. **Ter Arkh** 1986;58(9):122–3 (Eng. Abstr.) **(Rus)**

[Treatment of gastroduodenal ulcer by plasmapheresis and transfusion of thawed–out autologous plasma] Iakhnina EI, et al. **Ter Arkh** 1987;59(6):85–8 (Eng. Abstr.) **(Rus)**

[Cascade use of plasmapheresis and plasma filtration in the treatment of rheumatoid arthritis] Mikhallova NA, et al. **Ter Arkh** 1987;59(6):67–70 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effectiveness of plasmapheresis and lymphocytoplasmapheresis in the combined treatment of rheumatoid arthritis] Mikhallova NA, et al. **Ter Arkh** 1986;58(8):105–11 (Eng. Abstr.) **(Rus)**

[Plasmapheresis in the complex treatment of acute cholecystitis complicated by mechanical jaundice] Neĭmark II, et al. **Vestn Khir** 1986 Aug;137(8):109–12 (Eng. Abstr.) **(Rus)**

[Therapeutic plasmapheresis in endogenous intoxication due to suppurative–septic diseases] Starikov AV, et al. **Vrach Delo** 1987 Apr;(4):116–9 (Eng. Abstr.) **(Rus)**

[Effect of complex therapy, including plasmapheresis, on the clinico–immunologic status of patients with chronic lymphatic leukemia] Tretiak NN, et al. **Vrach Delo** 1987 Feb;(2):12–5 (Eng. Abstr.) **(Rus)**

[Treatment of generalized myasthenia using therapeutic plasmapheresis (review of the literature)] Sapin SM, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1574–9 (77 ref.) **(Rus)**

[Selection of blood donors for cytopheresis and its effect on their health status] Sviteková K, et al. **Vnitr Lek** 1986 Aug; 32(8):768–75 (Eng. Abstr.) **(Slo)**

[Reconsideration of plasmapheresis treatment of renal post–transplant recurrence of segmental and focal hyalinosis (letter)] Franco A, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):219 **(Spa)**

[Renal post–transplant recurrence of segmental and focal hyalinosis. Its treatment with plasmapheresis (letter)] Pérez García R, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):651 **(Spa)**

ADVERSE EFFECTS

Massive hollow fiber clotting: a distinct problem in treatment of cryoglobulinemia by membrane plasmapheresis. Lai KN, et al. **Artif Organs** 1987 Jun;11(3):259–64

Porokeratosis in primary biliary cirrhosis during plasmapheresis [letter] Venencie PY, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):709–10

Risk of AIDS–related virus (human immunodeficiency virus) transmission through apheresis procedures. Kiprov D, et al. **J Clin Apheresis** 1987;3(3):143–6

The effect of double filtration plasmapheresis on thyroid hormone economy and thyroid function. Sakata S, et al. **Jpn J Med** 1986 Aug;25(3):246–9

Plasminogen deficiency and thrombosis after plasmapheresis therapy for multiple sclerosis [letter] Smith CD, et al. **Neurology** 1986 Oct;36(10):1410–1

Sensitization of repeat plasmapheresis donors to ethylene oxide gas. Dolovich J, et al. **Transfusion** 1987 Jan–Feb; 27(1):90–3

Unusual hyperbilirubinemia after plasmapheresis [letter] Kretschmer V, et al. **Transfusion** 1987 Jul–Aug;27(4):368–9

[Hemoperfusion and plasmapheresis complications] Perino GC, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):161–3 **(Ita)**

[Effect of plasmapheresis on immunoglobulin levels in blood donors] Yokoyama S, et al. **Rinsho Ketsueki** 1986 Jul; 27(7):1238–41 **(Jpn)**

[Intensive plasmapheresis—possible difficulties and complications] Ryzhko VV, et al. **Ter Arkh** 1987;59(6):70–5 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Donor plasmapheresis: a comparative study using four different types of equipment. Perseghin P, et al. **Int J Artif Organs** 1987 Jan;10(1):51–6

Hepatic assist device, using membrane plasma separator and dialyzer. Yamazaki Z, et al. **Med Prog Technol** 1987; 12(1–2):17–24

[Collection of thrombocyte concentrates and coagulation active fresh plasma with the Haemonetics PCS system] Glück D, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:16–22 (Eng. Abstr.) **(Ger)**

[Single–needle diafiltration and single–needle plasmapheresis in premature infants] Bambauer R, et al. **Klin Padiatr** 1986 Sep–Oct;198(5):408–13 (Eng. Abstr.) **(Ger)**

[Effect of plasmapheresis treatment with a membrane filter on various parameters of hemostasis] Zurborn KH, et al. **Med Klin** 1987 Jul 17;82(15–16):509–14 (Eng. Abstr.) **(Ger)**

[Preoperative treatment of thyrotoxic crisis by intensive mechanical plasmapheresis] Danczig A, et al. **Orv Hetil** 1986 Nov 9;127(45):2757–9 (Eng. Abstr.) **(Hun)**

[Acute and reversible worsening of multiple sclerosis treated with plasmapheresis. A form of Uhthoff symptom? (letter)] Muchnik S, et al. **Medicina (B Aires)** 1985;45(2):207–8 **(Spa)**

METHODS

Comparison of plasmafractionation filters and filtration techniques in the clinical practice of LDL–apheresis. Kochinke F, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):388–91

Relationship between Staverman's reflection and sieving coefficients in a plasma fractionator. Mineshima M, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):418–21

Separation of plasma from whole blood by membrane filtration in oscillatory flows. Stairmand JW, et al. **Life Support Syst** 1986 Jul–Sep;4(3):193–204

[Plasmapheresis] Faber JC. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):33–4 **(Fre)**

[Methods and risks of plasmapheresis in severe courses of Guillain–Barré syndrome] Weilemann LS, et al. **Med Klin** 1986 Dec 12;81(25–26):824–9 (Eng. Abstr.) **(Ger)**

[Criteria for adequate plasma substitution in intensive plasmapheresis] Borisov BA, et al. **Ter Arkh** 1987; 59(6):88–91 (Eng. Abstr.) **(Rus)**

[Effect of cryoapheresis on the course of immune complex diseases] Margulis EIa, et al. **Ter Arkh** 1987;59(6):80–5 (Eng. Abstr.) **(Rus)**

[Apheresis of euglobulins, cryoglobulins and the von Willebrand factor in vasculitis] Savchenko VG, et al. **Ter Arkh** 1987;59(6):75–9 (Eng. Abstr.) **(Rus)**

STANDARDS

On the prevention of viral transmitted infections in plasma products. Martin W. **Dev Biol Stand** 1987;67:233–6

UTILIZATION

[Review. The status of plasmapheresis and apheresis] Schmitt E, et al. **Folia Haematol (Leipz)** 1986;113(3):291–309 (49 ref.) (Eng. Abstr.) (Ger)

VETERINARY

Use of plasmapheresis and chemotherapy for treatment of monoclonal gammopathy associated with Ehrlichia canis infection in a dog. Matus RE, et al. **J Am Vet Med Assoc** 1987 May 15;190(10):1302–4

PLASMIDS

Construction of a DNA-polymerase I overproducing plasmid and isolation of the enzyme. Bielawski K, et al. **Acta Biochim Pol** 1987;34(1):29–34

Plasmids and crystal toxin production in Bacillus thuringiensis subsp. israelensis. Miteva V, et al. **Acta Microbiol Bulg** 1986;19:23–6

ELISA detectable virulence marker antigen of enteroinvasive Escherichia coli is coded by a 140 megadalton plasmid. Pál T, et al. **Acta Microbiol Hung** 1986;33(4):341–4

Effect of the virulence associated 47 megadalton plasmid of Yersinia pestis on permeability to gentian violet and sensitivity to novobiocin. Salamah AA, et al. **Acta Microbiol Hung** 1986;33(3):193–201

The calcium dependence region of the 47 megadalton plasmid of Yersinia pestis is required for growth within macrophages. Salamah AA, et al. **Acta Microbiol Hung** 1986;33(3):213–9

Purification of Escherichia coli DNA helicase I from plasmid-transformed cells. Benz I, et al. **Acta Microbiol Pol** 1986;35(3–4):191–7

Molecular characterization and comparison of plasmid content in seven different strains of Neisseria gonorrhoeae. Aalen RB, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Feb; 95(1):13–21

Structural variability of 40–50 Mdal virulence plasmids from Yersinia enterocolitica. Geographical and ecological distribution of plasmid variants. Nesbakken T, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Jun; 95(3):167–73

Pneumonic pasteurellosis: examination of typable and untypable Pasteurella haemolytica strains for leukotoxin production, plasmid content, and antimicrobial susceptibility. Chang YF, et al. **Am J Vet Res** 1987 Mar; 48(3):378–84

Analysis of plasmids in Mycobacterium avium–intracellulare isolates from persons with acquired immunodeficiency syndrome. Crawford JT, et al. **Am Rev Respir Dis** 1986 Oct;134(4):659–61

High resolution preparative gel electrophoresis of DNA fragments and plasmid DNA using a continuous elution apparatus. Hediger MA. **Anal Biochem** 1986 Dec; 159(2):280–6

A procedure for large-scale isolation of RNA-free plasmid and phage DNA without the use of RNase. Lev Z. **Anal Biochem** 1987 Feb 1;160(2):332–6

Cloning of two possible haemolysin determinants from Listeria monocytogenes [letter] Vicente MF, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):385–7

Immobilized bacteria and plasmid stability. Iniesta FM, et al. **Ann NY Acad Sci** 1987;501:317–29

Efficient expression of heterologous genes in Escherichia coli. The pAS vector system and its applications. Shatzman AR, et al. **Ann NY Acad Sci** 1986;478:233–48 (40 ref.)

Bacterial viruses, prophages, and plasmids, reconsidered. Sonea S. **Ann NY Acad Sci** 1987;503:251–60 (16 ref.)

Development of natural and synthetic DNA probes for OXA-2 and TEM-1 beta-lactamases. Boissinot M, et al. **Antimicrob Agents Chemother** 1987 May;31(5):728–34

Plasmids and resistance to antimicrobial agents in Aeromonas sobria and Aeromonas hydrophila clinical isolates. Chang BJ, et al. **Antimicrob Agents Chemother** 1987 Aug; 31(8):1281–2

Genetics of resistance in a non-beta-lactamase-producing gonococcus with relatively high-level penicillin resistance. Faruki H, et al. **Antimicrob Agents Chemother** 1986 Dec; 30(6):856–60

Association between colistin resistance and broad-spectrum recipient deficiency in Klebsiella pneumoniae. Lamousin-White M, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):964–5

Comparison of two beta-lactamase-producing strains of Streptococcus faecalis. Murray BE, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):861–4

Characterization of a beta-lactamase-specifying plasmid isolated from Eikenella corrodens and its relationship to a commensal Neisseria plasmid. Rotger R, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):508–9

Novel plasmid-mediated beta-lactamase in members of the family Enterobacteriaceae from Ohio. Shlaes DM, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):220–4

Enterococcus faecalis hemolysin-bacteriocin plasmids belong to the same incompatibility group. Colmar I, et al. **Appl Environ Microbiol** 1987 Mar;53(3):567–70

Plasmid transformation of Streptomyces tendae after heat attenuation of restriction. Engel P. **Appl Environ Microbiol** 1987 Jan;53(1):1–3

Efficient plasmid transformation of the beta-lactam producer Streptomyces clavuligerus. Garcia-Dominguez M, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1376–81

Restriction enzyme analysis of lactose and bacteriocin plasmids from Streptococcus lactis subsp. diacetylactis WM4 and cloning of BclI fragments coding for bacteriocin production. Harmon KS, et al. **Appl Environ Microbiol** 1987 May;53(5):1171–4

Demonstration of a plasmid-borne gene encoding a thermostable direct hemolysin in Vibrio cholerae non-O1 strains. Honda T, et al. **Appl Environ Microbiol** 1986 Nov; 52(5):1218–20

Photoreactivation of ultraviolet-irradiated, plasmid-bearing, and plasmid-free strains of Bacillus anthracis. Knudson GB. **Appl Environ Microbiol** 1986 Sep;52(3):444–9

Rapid plasmid analysis for identification of Edwardsiella ictaluri from infected channel catfish (Ictalurus punctatus). Lobb CJ, et al. **Appl Environ Microbiol** 1987 Jun; 53(6):1267–72

Mobilization of plasmid pHSV106 from Escherichia coli HB101 in a laboratory-scale waste treatment facility. Mancini P, et al. **Appl Environ Microbiol** 1987 Apr; 53(4):665–71

Influence of immobilization on the stability of pTG201 recombinant plasmid in some strains of Escherichia coli. Nasri M, et al. **Appl Environ Microbiol** 1987 Apr; 53(4):740–4

Potential for transduction of plasmids in a natural freshwater environment: effect of plasmid donor concentration and a natural microbial community on transduction in Pseudomonas aeruginosa. Saye DJ, et al. **Appl Environ Microbiol** 1987 May;53(5):987–95

Conjugal transfer of plasmid DNA between streptococci immobilized in calcium alginate gel beads. Steenson LR, et al. **Appl Environ Microbiol** 1987 Apr;53(4):898–900

Isolation and characterization of an s-ethyl-N,N-dipropylthiocarbamate-degrading Arthrobacter strain and evidence for plasmid-associated s-ethyl-N,N-dipropylthiocarbamate degradation. Tam AC, et al. **Appl Environ Microbiol** 1987 May;53(5):1088–93

Location of plasmid-mediated citrate utilization determinant in R27 and incidence in other H incompatibility group plasmids. Taylor DE, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1394–7

Conjugal transfer of nisin plasmid genes from Streptococcus lactis 7962 to Leuconostoc dextranicum 181. Tsai HJ, et al. **Appl Environ Microbiol** 1987 Feb;53(2):352–7

Measuring genetic stability in bacteria of potential use in genetic engineering [published erratum appears in Appl Environ Microbiol 1987 Apr;53(4):905] Walter MV, et al. **Appl Environ Microbiol** 1987 Jan;53(1):105–9

Conjugative, staphylococcal plasmids carrying hitch-hiking transposons similar to Tn554: intra- and interspecies dissemination of erythromycin resistance. Townsend DE, et al. **Aust J Exp Biol Med Sci** 1986 Aug;64 (Pt 4):367–79

Mammalian cell functions mediating recombination of genetic elements: topological restraints. Upcroft P. **Aust J Exp Biol Med Sci** 1986 Dec;64 (Pt 6):535–43

Turkey coryza: lack of correlation between plasmids and pathogenicity of Bordetella avium. Simmons DG, et al. **Avian Dis** 1986 Jul–Sep;30(3):593–7

Extrachromosomal elements in lower eukaryotes. Proceedings of a symposium. Champaign–Urbana, June 1–5, 1986. **Basic Life Sci** 1986;40:1–568

Site-specific recombination of the yeast plasmid two-micron circle: intermediates in the binding process. Andrews BJ, et al. **Basic Life Sci** 1986;40:407–24

Mitochondrial introns as mobile genetic elements: the role of intron-encoded proteins. Dujon B, et al. **Basic Life Sci** 1986;40:5–27

Mitochondrial plasmids of Neurospora and other filamentous fungi. Lambowitz AM, et al. **Basic Life Sci** 1986;40:83–92

Site-specific recombination promoted in vitro by the FLP protein of the yeast two-micron plasmid. Senecoff JF, et al. **Basic Life Sci** 1986;40:397–405

Host factors in nuclear plasmid maintenance in Saccharomyces cerevisiae. Tye BK, et al. **Basic Life Sci** 1986;40:499–510

Survival strategies of the yeast plasmid two-micron circle. Volkert FC, et al. **Basic Life Sci** 1986;40:375–96

The effects of DNA methylation by Hha I methylase on the cleavage reactions by Hae II, Aha II and Ban I endonucleases. Kang SC, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):482–7

Maintenance of autonomous genetic elements in twelve transgenic mouse strains established after transfer of pPyLT1 DNA. Léopold P, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1162–9

A novel yeast secretion vector utilizing secretion signal of killer toxin encoded on the yeast linear DNA plasmid pGKL1. Tokunaga M, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):613–9

Regulation of the nah and sal operons of plasmid NAH7: evidence for a new function in nahR. You IS, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):986–92

Plasmid-mediated trimethoprim-resistance in Staphylococcus aureus. Characterization of the first gram-positive plasmid dihydrofolate reductase (type S1). Young HK, et al. **Biochem J** 1987 Apr 1;243(1):309–12

Induction of DNA crosslinks in vitro upon reduction of the nitroimidazole-aziridines RSU-1069 and RSU-1131. O'Neill P, et al. **Biochem Pharmacol** 1987 Jun 1; 36(11):1787–92

Replacement of potassium chloride by potassium glutamate dramatically enhances protein-DNA interactions in vitro. Leirmo S, et al. **Biochemistry** 1987 Apr 21;26(8):2095–101

Accuracy of natural messenger translation: analysis of codon–anticodon recognition in a simplified cell-free system. Nègre D, et al. **Biochemistry** 1986 Oct 21; 25(21):6391–7

An engineered intersubunit disulfide enhances the stability and DNA binding of the N-terminal domain of lambda repressor. Sauer RT, et al. **Biochemistry** 1986 Oct 7; 25(20):5992–8

Energetics of cooperative protein–DNA interactions: comparison between quantitative deoxyribonuclease footprint titration and filter binding. Senear DF, et al. **Biochemistry** 1986 Nov 18;25(23):7344–54

DNA binding specificity of a series of cationic metalloporphyrin complexes. Ward B, et al. **Biochemistry** 1986 Dec 2;25(24):7827–33

Large-scale preparation of a DNA fragment containing the strong promoter A1 of the phage T7. Heumann H, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):126–32

Electro-optical analysis of 'curved' DNA fragments. Diekmann S, et al. **Biophys Chem** 1987 May 9; 26(2–3):207–16

Dynamics of superhelical DNA studied by photon correlation spectroscopy. Langowski J, et al. **Biophys Chem** 1986 Dec 15;25(2):191–200

Hysteretic behaviour of a Z-DNA–antibody complex. Pohl FM. **Biophys Chem** 1987 May 9;26(2–3):385–90

Fate of the DNA in plasmid-containing Escherichia coli minicells ingested by human neutrophils. Fox HB, et al. **Blood** 1987 May;69(5):1394–400

Optimisation of conditions for detection of activated oncogenes by transfection of NIH 3T3 cells. Lemoine NR, et al. **Br J Cancer** 1987 Jun;55(6):639–42

Characterization of a plasmid in isolates of Corynebacterium sepedonicum. Clark MC, et al. **Can J Microbiol** 1986 Aug; 32(8):617–22

Characterization of the stability functions and inverted repeat structure X3 of the IncFI plasmid ColV2–K94. Weber PC, et al. **Can J Microbiol** 1986 Oct;32(10):806–13

Host cell reactivation by human cells of DNA expression vectors damaged by ultraviolet radiation or by acid-heat treatment. Protić-Sabljić M, et al. **Carcinogenesis** 1986 Oct; 7(10):1765–70

Mitochondrial plasmids of Neurospora: integration into mitochondrial DNA and evidence for reverse transcription in mitochondria. Akins RA, et al. **Cell** 1986 Nov 21; 47(4):505–16

An extrachromosomal plasmid is the etiological precursor of kalDNA insertion sequences in the mitochondrial chromosome of senescent neurospora. Bertrand H, et al. **Cell** 1986 Dec 5;47(5):829–37

A replication origin is turned off by an origin-"silencer" sequence. Patel I, et al. **Cell** 1986 Dec 5;47(5):785–92

ATP activates dnaA protein in initiating replication of plasmids bearing the origin of the E. coli chromosome. Sekimizu K, et al. **Cell** 1987 Jul 17;50(2):259–65

DnaA protein binding to the plasmid origin region can substitute for primosome assembly during replication of pBR322 in vitro. Seufert W, et al. **Cell** 1987 Jan 16; 48(1):73–8

The integration host factor of Escherichia coli binds to bent DNA at the origin of replication of the plasmid pSC101. Stenzel TT, et al. **Cell** 1987 Jun 5;49(5):709–17

Control of ColE1 plasmid replication: binding of RNA I to RNA II and inhibition of primer formation. Tomizawa J. **Cell** 1986 Oct 10;47(1):89–97

Optimum conditions for electric pulse-mediated gene transfer to mammalian cells in suspension. Hama-Inaba H, et al. **Cell Struct Funct** 1987 Apr;12(2):173–80

Transformation in cyanobacteria. Porter RD. **CRC Crit Rev Microbiol** 1986;13(2):111–32 (84 ref.)

Recent advances in Bacteroides genetics. Salyers AA, et al. **CRC Crit Rev Microbiol** 1987;14(1):49–71 (57 ref.)

Plasmid vectors for study of DNA repair and mutagenesis. Kraemer KH, et al. **Curr Probl Dermatol** 1987;17:166–81

Construction of expression vectors for the production of interferons in yeast. Devenish RJ, et al. **Dev Biol Stand** 1987;67:185–99

Increased amplification of plasmids pBR322 and pBR327 by low concentrations of chloramphenicol. Frenkel L, et al. **DNA** 1986 Dec;5(6):539–44

Differential ability of various plasmid DNAs to sequester inhibitors of RNA polymerase III transcription. Gutierrez-Hartmann A, et al. **DNA** 1987 Jun;6(3):231–7

A vector-primer-cloner-sequencer plasmid for the construction of cDNA libraries: evidence for a rat glyceraldehyde-3-phosphate dehydrogenase-like mRNA and a ferritin mRNA within testis [published erratum appears in DNA 1986 Oct;6(3):281] Krawetz SA, et al. **DNA** 1986 Oct;5(5):427–35

Use of lambda exonuclease for efficient oligonucleotide-mediated site-directed deletion and point mutation of double-stranded DNA. Palermo DP, et al. **DNA** 1987 Jun;6(3):273–9

Requirements for the formation of plasmid-transducing particles of Bacillus subtilis bacteriophage SPP1. Alonso

JC, et al. **EMBO J** 1986 Dec 20;5(13):3723–8

Base substitutions in transposable element IS1 cause DNA duplication of variable length at the target site for plasmid co–integration. Machida C, et al. **EMBO J** 1987 Jun; 6(6):1799–803

Role of sog polypeptides specified by plasmid ColIb–P9 and their transfer between conjugating bacteria. Merryweather A, et al. **EMBO J** 1986 Nov;5(11):3007–12

Illegitimate recombination occurs between the replication origin of the plasmid pC194 and a progressing replication fork. Michel B, et al. **EMBO J** 1986 Dec 20;5(13):3691–6

Mapping the collagen–binding site of human fibronectin by expression in Escherichia coli. Owens RJ, et al. **EMBO J** 1986 Nov;5(11):2825–30

Activation of Agrobacterium tumefaciens vir gene expression generates multiple single–stranded T–strand molecules from the pTiA6 T–region: requirement for 5' virD gene products. Stachel SE, et al. **EMBO J** 1987 Apr;6(4):857–63

Control of replication of plasmid R1: translation of the 7k reading frame in the RepA mRNA leader region counteracts the interaction between CopA RNA and CopT RNA. Wagner EG, et al. **EMBO J** 1987 Feb;6(2):515–22

Plasmid pKM101 muc(–)– and muc(+)–mediated anthracycline mutagenicity and cytotoxicity in Salmonella typhimurium. Thomas HF, et al. **Environ Mutagen** 1987; 9(4):369–91

Effects of excision repair and plasmid pKM101 on mutagenic and cytotoxic potencies of anthracycline derivatives in test strains of Salmonella typhimurium. Thomas HF, et al. **Environ Mutagen** 1986;8(6):797–815

Plasmid analysis as an epidemiological tool in neurosurgical infections with coagulase–negative staphylococci. Ortqvist A, et al. **Epidemiol Infect** 1987 Jun;98(3):231–9

15N–labeled P22 c2 repressor for nuclear magnetic resonance studies of protein–DNA interactions. Senn H, et al. **Eur Biophys J** 1987;14(5):301–6

In–vivo–modified gonococcal plasmid pJD1. A model system for analysis of restriction enzyme sensitivity to DNA modifications. Korch C, et al. **Eur J Biochem** 1986 Dec 15;161(3):519–24

The Noc region of Ti plasmid C58 codes for arginase and ornithine cyclodeaminase. Sans N, et al. **Eur J Biochem** 1987 Aug 17;167(1):81–7

Plasmid deoxyribonucleic acid in throat and cerebrospinal fluid isolates of Neisseria meningitidis. Facinelli B, et al. **Eur J Epidemiol** 1987 Jun;3(2):206–8

Plasmid profiles of Legionella pneumophila strains isolated in Spain. Mellado A, et al. **Eur J Epidemiol** 1986 Mar; 2(1):63–6

The expression of integrated plasmid DNA depends on copy number. Berg PE, et al. **Exp Cell Res** 1987 Feb; 168(2):376–88

Transformation of human cultured fibroblasts with plasmids carrying dominant selection markers and immortalizing potential. Chang PL, et al. **Exp Cell Res** 1986 Dec; 167(2):407–16

Transformation of DNA repair–deficient human diploid fibroblasts with a simian virus 40 plasmid. Wood CM, et al. **Exp Cell Res** 1987 Apr;169(2):543–53

Fast abortive initiation of uvrA promoter in a supercoiled plasmid studied by stopped–flow techniques. Bertrand–Burggraf E, et al. **FEBS Lett** 1987 May 4; 215(1):83–7

Isolation and partial characterization of 2–microns yeast plasmid as a transcriptionally active minichromosome. Silva J, et al. **FEBS Lett** 1987 Apr 6;214(1):71–4

A novel member of the serpin superfamily is encoded on a circular plasmid–like DNA species isolated from rabbit cells. Upton C, et al. **FEBS Lett** 1986 Oct 20;207(1):115–20

Experimental production of colicin type V of Shigella sonnei unusual in nature. Horák V, et al. **Folia Microbiol (Praha)** 1987;32(1):63–4

Tn1000 insertional mutagenesis of cloned repressor gene of the phage L: plasmid oligomerization in the presence of F'lac. Karlovský P, et al. **Folia Microbiol (Praha)** 1987; 32(3):185–93

Inhibition of mutation induction and unchanged mutational specificity in Escherichia coli K12 overproducing the RecA protein. Koukalová B, et al. **Folia Microbiol (Praha)** 1987;32(3):194–9

An in vivo cointegrate of two plasmids from incompatibility group X. Nešvera J, et al. **Folia Microbiol (Praha)** 1986; 31(4):257–66

Plasmid map: a microcomputer program for display and storage of plasmid data. Abremski K, et al. **Gene** 1986; 46(1):127–30

Construction of plasmid vectors for the detection of streptococcal promoters. Achen MG, et al. **Gene** 1986; 45(1):45–9

Plasmid vector pBR322 and its special–purpose derivatives—a review. Balbás P, et al. **Gene** 1986; 50(1–3):3–40

Two promoters from the Streptomyces plasmid pIJ101 and their expression in Escherichia coli. Buttner MJ, et al. **Gene** 1987;51(2–3):179–86

A plasmid expression vector that permits stabilization of both mRNAs and proteins encoded by the cloned genes. Duvoisin RM, et al. **Gene** 1986;45(2):193–201

Selection of lambda Spi– transducing phages using the P2 old gene cloned onto a plasmid. Finkel S, et al. **Gene** 1986; 46(1):65–9

Powerful and versatile enhancer–promoter unit for mammalian expression vectors. Foecking MK, et al. **Gene** 1986;45(1):101–5

Molecular cloning of the plasmid RP4 primase region in a multi–host–range tacP expression vector. Fürste JP, et al. **Gene** 1986;48(1):119–31

Nucleotide sequence and expression of gene nahH of plasmid NAH7 and homology with gene xylE of TOL pWWO. Ghosal D, et al. **Gene** 1987;55(1):19–28

Human adenovirus cloning vectors based on infectious bacterial plasmids. Ghosh–Choudhury G, et al. **Gene** 1986; 50(1–3):161–71

Rapid localization and characterization of random mutations within the 2 micron circle site–specific recombinase: a general strategy for analysis of protein function. Govind NS, et al. **Gene** 1987;51(1):31–41

Nucleotide sequence of the regulatory gene xylS on the Pseudomonas putida TOL plasmid and identification of the protein product [published erratum appears in Gene 1986;45(3):339] Inouye S, et al. **Gene** 1986;44(2–3):235–42

Measurement of cat expression from growth–rate–regulated promoters employing beta–lactamase activity as an indicator of plasmid copy number. Klotsky RA, et al. **Gene** 1987;55(1):141–6

Mike, a chimeric filamentous phage designed for the separate production of either DNA strand of pKUN vector plasmids by F+ cells. Konings RN, et al. **Gene** 1986;46(2–3):269–76

Cloning and nucleotide sequence of different iso–IS231 elements and their structural association with the Tn4430 transposon in Bacillus thuringiensis. Mahillon J, et al. **Gene** 1987;51(2–3):187–96

Production of restriction endonucleases using multicopy Hsd plasmids occurring naturally in pathogenic Escherichia coli and Shigella boydii. Mise K, et al. **Gene** 1986;44(1):165–9

Alterations in cloned Xenopus ribosomal spacers generated by high–frequency plasmid recombination. Morgan GT, et al. **Gene** 1986;49(3):389–94

Plasmids allowing transcription of cloned DNA by Salmonella typhimurium phage SP6 RNA polymerase to produce RNAs with authentic 5'–terminal sequences. Nam HG, et al. **Gene** 1986;46(1):57–64

CAT vectors for analysis of eukaryotic promoters and enhancers. Prost E, et al. **Gene** 1986;45(1):107–11

An improved filamentous helper phage for generating single–stranded plasmid DNA. Russel M, et al. **Gene** 1986; 45(3):333–8

Hybrid protein thymidine kinase gene fusions: plasmid vectors for the study of transcription and translation initiation signals. Shapira SK, et al. **Gene** 1987;52(1):83–94

Construction of a new plasmid vector that can express cloned cDNA in all translational reading frames. Shigesada K, et al. **Gene** 1987;53(2–3):163–72

A plasmid vector for cloning and expression of gene segments: expression of an HTLV–I envelope gene segment. Sisk WP, et al. **Gene** 1986;48(2–3):183–93

Multicopy expression vectors carrying the lac repressor gene for regulated high–level expression of genes in Escherichia coli. Stark MJ. **Gene** 1987;51(2–3):255–67

Isolation of Trypanosoma cruzi DNA fragments which function as ARS elements in Saccharomyces cerevisiae. Teixeira SM, et al. **Gene** 1986;44(1):171–5

Structure and nucleotide sequence of the region encoding the mobilization proteins of plasmid CloDF13. van Putten AJ, et al. **Gene** 1987;51(2–3):171–8

A new vector derived from Agrobacterium rhizogenes plasmids: a micro–Ri plasmid and its use to construct a mini–Ri plasmid. Vilaine F, et al. **Gene** 1987;55(1):105–14

Phage lambda and plasmid expression vectors with multiple cloning sites and lacZ alpha–complementation. Windle BE. **Gene** 1986;45(1):95–9

Dual–origin plasmids containing an amplifiable ColE1 ori; temperature–controlled expression of cloned genes. Wright EM, et al. **Gene** 1986;49(3):311–21

Local DNA sequence control of deletion formation in Escherichia coli plasmid pBR322. DasGupta U, et al. **Genetics** 1987 Jan;115(1):41–9

Thymidine utilization by tut mutants and facile cloning of mutant alleles by plasmid conversion in S. cerevisiae. Sclafani RA, et al. **Genetics** 1986 Nov;114(3):753–67

Tests of the double–strand–break repair model for red–mediated recombination of phage lambda and plasmid lambda dv. Thaler DS, et al. **Genetics** 1987 Aug; 116(4):501–11

High frequency generalized transduction by miniMu plasmid phage. Wang BM, et al. **Genetics** 1987 Jun;116(2):201–6

Serovars, auxotypes, and plasmid contents of PPNG strains from outbreak in Amsterdam. Ansink–Schipper MC, et al. **Genitourin Med** 1987 Jun;63(3):157–9

Plasmid profile of Neisseria gonorrhoeae in Nigeria and efficacy of spectinomycin in treating gonorrhoea. Osoba AO, et al. **Genitourin Med** 1987 Feb;63(1):1–5

Construction of two plasmids, each containing three different human globin gene fragments. Liu JZ, et al. **Hemoglobin** 1987;11(1):13–22

Construction of a plasmid PL–alpha zeta containing an alpha and a zeta human globin gene fragment. Liu JZ. **Hemoglobin** 1987;11(2):189–90

Plasmids coding for enterotoxins, hemolysins and hemagglutinins and their role in virulence and pathogenicity of Escherichia coli. Yadava JN, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):303–7

Plasmid analysis of simultaneous nosocomial outbreaks of methicillin–resistant Staphylococcus aureus. Kozarsky PE, et al. **Infect Control** 1986 Dec;7(12):577–81

Contribution of Salmonella gallinarum large plasmid toward virulence in fowl typhoid. Barrow PA, et al. **Infect Immun** 1987 Feb;55(2):388–92

Plasmid–mediated early killing of eucaryotic cells by Shigella flexneri as studied by infection of J774 macrophages. Clerc PL, et al. **Infect Immun** 1987 Mar;55(3):521–7

Immunochemical analysis of plasmid–encoded proteins released by enteropathogenic Yersinia sp. grown in calcium–deficient media. Heesemann J, et al. **Infect Immun** 1986 Nov;54(2):561–7

A plasmid of enterohemorrhagic Escherichia coli O157:H7 is required for expression of a new fimbrial antigen and for adhesion to epithelial cells. Karch H, et al. **Infect Immun** 1987 Feb;55(2):455–61

Plasmid–mediated resistance to phagocytosis in Yersinia enterocolitica. Lian CJ, et al. **Infect Immun** 1987 May; 55(5):1176–83

Transformation of Streptococcus mutans with chromosomal and shuttle plasmid (pYA629) DNAs. Murchison HH, et al. **Infect Immun** 1986 Nov;54(2):273–82

Plasmid–encoded expression of lipopolysaccharide O–antigenic polysaccharide in enteropathogenic Escherichia coli. Riley LW, et al. **Infect Immun** 1987 Sep; 55(9):2052–6

DNA sequence and product analysis of the virF locus responsible for congo red binding and cell invasion in Shigella flexneri 2a. Sakai T, et al. **Infect Immun** 1986 Nov; 54(2):395–402

Isolation, characterization, and mapping of Tn5 insertions into the 140–megadalton invasion plasmid defective in the mouse Sereny test in Shigella flexneri 2a. Sasakawa C, et al. **Infect Immun** 1986 Oct;54(1):32–6

Detection of giant linear plasmids in antibiotic producing strains of Streptomyces by the OFAGE technique. Kinashi H, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):913–6

Plasmid pVA517C from Escherichia coli V517 is required for the expression of an antibiotic microcin. Sánchez F, et al. **J Antibiot (Tokyo)** 1986 Jul;39(7):1028–30

Do plasmids influence the survival of bacteria? Bennett PM, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:123–6

Ecological factors influencing the transfer of plasmids in vitro and in vivo. Corpet DE. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:127–32 (17 ref.)

Aerobactin–producing multi–resistance plasmids [letter] Delgado–Iribarren A, et al. **J Antimicrob Chemother** 1987 Apr;19(4):552–3

Role of transposition and homologous recombination in the rearrangement of plasmid DNA. Nies BA, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:35–41

Plasmid ecology and the elimination of plasmids by 4–quinolones [letter] Platt DJ, et al. **J Antimicrob Chemother** 1987 Jul;20(1):137–8

Plasmid–mediated resistance to beta–lactam antibiotics in gram–negative bacteria: the role of in–vivo recyclization reactions in plasmid evolution. Saunders JR, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:57–66 (46 ref.)

Biological activities specified by antibiotic resistance plasmids. Timmis KN, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:1–12 (34 ref.)

Incidence of strains producing plasmid determined beta–lactamases among carbenicillin resistant Pseudomonas aeruginosa. Tirado M, et al. **J Antimicrob Chemother** 1986 Oct;18(4):453–8

Neisseria gonorrhoeae plasmid transfer [letter] Woodford N, et al. **J Antimicrob Chemother** 1987 Jul;20(1):139

Processing of the T–DNA of Agrobacterium tumefaciens generates border nicks and linear, single–stranded T–DNA. Albright LM, et al. **J Bacteriol** 1987 Mar;169(3):1046–55

Expression of the cloned ColE1 kil gene in normal and Kilr Escherichia coli. Altieri M, et al. **J Bacteriol** 1986 Nov; 168(2):648–54

Identification and expression of a copy number control gene in the IncFIII hemolytic plasmid pSU316. Andrés I, et al. **J Bacteriol** 1987 Jun;169(6):2405–9

Partition functions of unit–copy plasmids can stabilize the maintenance of plasmid pBR322 at low copy number. Austin S, et al. **J Bacteriol** 1986 Nov;168(2):1010–3

Plasmid–to–chromosome gene transfer in Haemophilus influenza during growth. Balganesh M, et al. **J Bacteriol** 1986 Oct;168(1):458–9

Characterization of a novel TOL–like plasmid from Pseudomonas putida involved in 1,2,4–trimethylbenzene degradation. Bestetti G, et al. **J Bacteriol** 1987 Apr; 169(4):1780–3

Linearization of donor DNA during plasmid transformation in Neisseria gonorrhoeae. Biswas GD, et al. **J Bacteriol** 1986 Nov;168(2):756–61

Use of TnphoA to detect genes for exported proteins in Escherichia coli: identification of the plasmid–encoded gene for a periplasmic acid phosphatase. Boquet PL, et al. **J Bacteriol** 1987 Apr;169(4):1663–9

Origin of small beta–lactamase–specifying plasmids in Haemophilus species and Neisseria gonorrhoeae. Brunton J, et al. **J Bacteriol** 1986 Oct;168(1):374–9

Molecular cloning of invasion plasmid antigen (ipa) genes from Shigella flexneri: analysis of ipa gene products and genetic mapping. Buysse JM, et al. **J Bacteriol** 1987 Jun; 169(6):2561–9

Structural and genetic analyses of a par locus that regulates plasmid partition in Bacillus subtilis. Chang S, et al.

J Bacteriol 1987 Sep;169(9):3952–62

Naturally occurring TOL plasmids in Pseudomonas strains carry either two homologous or two nonhomologous catechol 2,3–oxygenase genes. Chatfield LK, et al. J Bacteriol 1986 Nov;168(2):878–85

Nucleotide sequence comparisons of plasmids pHD131, pJB1, pFA3, and pFA7 and beta–lactamase expression in Escherichia coli, Haemophilus influenzae, and Neisseria gonorrhoeae. Chen ST, et al. J Bacteriol 1987 Jul; 169(7):3124–30

Two conjugation systems associated with Streptococcus faecalis plasmid pCF10: identification of a conjugative transposon that transfers between S. faecalis and Bacillus subtilis. Christie PJ, et al. J Bacteriol 1987 Jun; 169(6):2529–36

Molecular characterization of the virC genes of the Ti plasmid. Close TJ, et al. J Bacteriol 1987 Jun; 169(6):2336–44

Transcription patterns of Rhizobium meliloti symbiotic plasmid pSym: identification of nifA–independent fix genes. David M, et al. J Bacteriol 1987 May;169(5):2239–44

Characterization of a plasmid–specified pathway for catabolism of isopropylbenzene in Pseudomonas putida RE204. Eaton RW, et al. J Bacteriol 1986 Oct; 168(1):123–31

Spontaneous deletion of a 20–kilobase DNA segment carrying genes specifying isopropylbenzene metabolism in Pseudomonas putida RE204. Eaton RW, et al. J Bacteriol 1986 Oct;168(1):428–30

Transfer functions of the Streptococcus faecalis plasmid pAD1: organization of plasmid DNA encoding response to sex pheromone. Ehrenfeld EE, et al. J Bacteriol 1987 Aug;169(8):3473–81

Origin of transfer of IncF plasmids and nucleotide sequences of the type II oriT, traM, and traY alleles from ColB4–K98 and the type IV traY allele from R100–1. Finlay BB, et al. J Bacteriol 1986 Oct;168(1):132–9

Nucleotide sequence of the tra YALE region from IncFV plasmid pED208. Finlay BB, et al. J Bacteriol 1986 Nov; 168(2):990–8

Creation of a test plasmid for detecting G–C–to–T–A transversions by changing serine to arginine in the active site of beta–lactamase. Foster PL, et al. J Bacteriol 1987 Jun;169(6):2476–81

Nucleotide sequence and expression of clcD, a plasmid–borne dienelactone hydrolase gene from Pseudomonas sp. strain B13. Frantz B, et al. J Bacteriol 1987 Feb;169(2):704–9

Insertion–sequence–dependent rearrangements of Pseudomonas cepacia plasmid pTGL1. Gaffney TD, et al. J Bacteriol 1987 Jan;169(1):224–30

Characterization of a bacteriocinogenic plasmid from Clostridium perfringens and molecular genetic analysis of the bacteriocin–encoding gene. Garnier T, et al. J Bacteriol 1986 Dec;168(3):1189–96

A site–specific recombination function in Staphylococcus aureus plasmids. Gennaro ML, et al. J Bacteriol 1987 Jun; 169(6):2601–10

cmp, a cis–acting plasmid locus that increases interaction between replication origin and initiator protein. Gennaro ML, et al. J Bacteriol 1986 Oct;168(1):160–6

Four plasmid genes are required for colicin V synthesis, export, and immunity. Gilson L, et al. J Bacteriol 1987 Jun;169(6):2466–70

Molecular analysis of the UV protection and mutation genes carried by the I incompatibility group plasmid TP110. Glazebrook JA, et al. J Bacteriol 1986 Oct;168(1):251–6

Identification of the DNA sequence required for transposition immunity of the gamma delta sequence. Goto N, et al. J Bacteriol 1987 Sep;169(9):4388–90

Mini–mu bacteriophage with plasmid replicons for in vivo cloning and lac gene fusing. Groisman EA, et al. J Bacteriol 1986 Oct;168(1):357–64

Cloning of genes from members of the family Enterobacteriaceae with mini–Mu bacteriophage containing plasmid replicons. Groisman EA, et al. J Bacteriol 1987 Feb;169(2):687–93

Roles of the divergent branches of the meta–cleavage pathway in the degradation of benzoate and substituted benzoates. Harayama S, et al. J Bacteriol 1987 Feb; 169(2):558–64

Location of the right boundary of the virulence region on Agrobacterium tumefaciens plasmid pTiC58 and a host–specifying gene next to the boundary. Hirooka T, et al. J Bacteriol 1986 Oct;168(1):237–43

Characterization of the virE locus of Agrobacterium tumefaciens plasmid pTiC58. Hirooka T, et al. J Bacteriol 1987 Apr;169(4):1529–36

Overproduction of the xylS gene product and activation of the xylDLEGF operon on the TOL plasmid. Inouye S, et al. J Bacteriol 1987 Aug;169(8):3587–92

Gene organization of the first catabolic operon of TOL plasmid pWW53: production of indigo by the xylA gene product. Keil H, et al. J Bacteriol 1987 Feb;169(2):764–70

Plasmid transfer in Streptomyces lividans: identification of a kil–kor system associated with the transfer region of pIJ101. Kendall KJ, et al. J Bacteriol 1987 Sep; 169(9):4177–83

Activities of the RNAI and RNAII promoters of plasmid pBR322. Lin–Chao S, et al. J Bacteriol 1987 Mar; 169(3):1217–22

rpe, a cis–acting element from the strA region of the Haemophilus influenzae chromosome that makes plasmid establishment independent of recombination. McCarthy D, et al. J Bacteriol 1986 Oct;168(1):186–91

DNA and amino acid sequence analysis of structural and immunity genes of colicins Ia and Ib. Mankovich JA, et al. J Bacteriol 1986 Oct;168(1):228–36

Nitrogen–fixing nodules induced by Agrobacterium tumefaciens harboring Rhizobium phaseoli plasmids. Martínez E, et al. J Bacteriol 1987 Jun;169(6):2828–34

Development of a gene cloning system for the hydrogen–producing marine photosynthetic bacterium Rhodopseudomonas sp. Matsunaga T, et al. J Bacteriol 1986 Oct;168(1):460–3

Multicopy derivative of pock–forming plasmid pSA1 in Streptomyces azureus. Miyoshi YK, et al. J Bacteriol 1986 Oct;168(1):452–4

Isolation and structure of the sex pheromone inhibitor, iPD1, excreted by Streptococcus faecalis donor strains harboring plasmid pPD1. Mori M, et al. J Bacteriol 1987 Apr; 169(4):1747–9

Efficient transformation of phytopathogenic strains of Xanthomonas species. Murooka Y, et al. J Bacteriol 1987 Sep;169(9):4406–9

Integrable alpha–amylase plasmid for generating random transcriptional fusions in Bacillus subtilis. O'Kane C, et al. J Bacteriol 1986 Nov;168(2):973–81

Plasmid establishment in competent Haemophilus influenzae occurs by illegitimate transformation. Pifer ML. J Bacteriol 1986 Nov;168(2):683–7

A new symbiotic cluster on the pSym megaplasmid of Rhizobium meliloti 2011 carries a functional fix gene repeat and a nod locus. Renalier MH, et al. J Bacteriol 1987 May; 169(5):2231–8

Genetic analysis of agrocin 84 production and immunity in Agrobacterium spp. Ryder MH, et al. J Bacteriol 1987 Sep; 169(9):4184–9

Nucleotide sequence analysis of RepFIC, a basic replicon present in IncFI plasmids P307 and F, and its relation to the RepA replicon of IncFII plasmids. Saadi S, et al. J Bacteriol 1987 May;169(5):1836–46

Nucleotide sequence of the colicin B activity gene cba: consensus pentapeptide among TonB–dependent colicins and receptors. Schramm E, et al. J Bacteriol 1987 Jul; 169(7):3350–7

Synthesis of linear multimers of OriC and pBR322 derivatives in Escherichia coli K–12: role of recombination and replication functions. Silberstein Z, et al. J Bacteriol 1987 Jul;169(7):3131–7

Chromosomal location of TOL plasmid DNA in Pseudomonas putida. Sinclair MI, et al. J Bacteriol 1986 Dec;168(3):1302–8

Association of transformation of xenosomes from nonkiller to killer with extrachromosomal DNA. Soldo AT, et al. J Bacteriol 1986 Oct;168(1):96–102

Cloning and expression in Escherichia coli of a Klebsiella ozaenae plasmid–borne gene encoding a nitrilase specific for the herbicide bromoxynil. Stalker DM, et al. J Bacteriol 1987 Mar;169(3):955–60

P1 plasmid replication: measurement of initiator protein concentration in vivo. Swack JA, et al. J Bacteriol 1987 Aug;169(8):3737–42

Methylation–dependent transcription controls plasmid replication of the CloDF13 cop–1(Ts) mutant. van Putten AJ, et al. J Bacteriol 1986 Nov;168(2):728–33

Nucleotide sequence and expression of the beta–lactamase gene from Staphylococcus aureus plasmid pI258 in Escherichia coli, Bacillus subtilis, and Staphylococcus aureus. Wang PZ, et al. J Bacteriol 1987 Apr;169(4):1763–6

Plasmid marker rescue transformation proceeds by breakage–reunion in Bacillus subtilis. Weinrauch Y, et al. J Bacteriol 1987 Mar;169(3):1205–11

Characterization of transfer regions within the HII incompatibility group plasmid pHH1508a. Yan W, et al. J Bacteriol 1987 Jun;169(6):2866–8

Molecular characterization of a host–range–determining locus from Agrobacterium tumefaciens. Yanofsky MF, et al. J Bacteriol 1986 Oct;168(1):244–50

Control of the kilA gene of the broad–host–range plasmid RK2: involvement of korA, korB, and a new gene, korE. Young C, et al. J Bacteriol 1987 Mar;169(3):1315–20

Induction of the nodA promoter of Rhizobium leguminosarum Sym plasmid pRL1JI by plant flavanones and flavones. Zaat SA, et al. J Bacteriol 1987 Jan; 169(1):198–204

Effects of plasmid propagation of a sporulation promoter on promoter utilization and sporulation in Bacillus subtilis. Zuber P, et al. J Bacteriol 1987 Feb;169(2):461–9

Physiological studies on pBR 322 DNA amplification in an Escherichia coli relA strain. Hecker M, et al. J Basic Microbiol 1986;26(6):329–33

RNA polymerase binding sites on a plasmid R6K derivative with increased copy number. Nešvera J, et al. J Basic Microbiol 1987;27(1):63–7

Optically detected magnetic resonance of tryptophan residues in Escherichia coli ssb gene product and E. coli plasmid–encoded single–stranded DNA–binding proteins and their complexes with poly(deoxythymidylic) acid. Casas–Finet JR, et al. J Biol Chem 1987 Jun 25; 262(18):8574–83

Purification and properties of Gal repressor:pL–galR fusion in pKC31 plasmid vector. Majumdar A, et al. J Biol Chem 1987 Feb 15;262(5):2326–31

Thermodynamic parameters are sequence–dependent for the supercoil–induced B to Z transition in recombinant plasmids. O'Connor TR, et al. J Biol Chem 1986 Oct 5; 261(28):13302–8

A native cruciform DNA structure probed in bacteria by recombinant T7 endonuclease. Panayotatos N, et al. J Biol Chem 1987 Aug 15;262(23):11364–8

A novel family of mitochondrial plasmids associated with longevity mutants of Podospora anserina. Turker MS, et al. J Biol Chem 1987 Feb 15;262(5):2250–5

A yeast plasmid partitioning protein is a karyoskeletal component. Wu LC, et al. J Biol Chem 1987 Jan 15; 262(2):883–91

Assay of crystal violet binding for rapid identification of virulent plasmid–bearing clones of Yersinia enterocolitica. Bhaduri S, et al. J Clin Microbiol 1987 Jun;25(6):1039–42

Plasmids of Ewingella americana: supplementary epidemiologic markers in an outbreak of pseudobacteremia [published erratum appears in J Clin Microbiol 1987 May;25(5):966] Clark N, et al. J Clin Microbiol 1987 Mar; 25(3):501–3

Antimicrobic susceptibility and plasmid profile analysis as identity tests for multiple blood isolates of coagulase–negative staphylococci. Hartstein AI, et al. J Clin Microbiol 1987 Apr;25(4):589–93

Comparison of genomic, plasmid, synthetic, and combined DNA probes for detecting Plasmodium falciparum DNA. McLaughlin GL, et al. J Clin Microbiol 1987 May; 25(5):791–5

Plasmid analysis as a means of strain differentiation in Clostridium perfringens. Mahony DE, et al. J Clin Microbiol 1987 Jul;25(7):1333–5

Cytotoxic and enterotoxic activities of Campylobacter jejuni are not specified by tetracycline resistance plasmids pMAK175 and pUA466. Taylor DE, et al. J Clin Microbiol 1987 Jan;25(1):150–1

Homology of cryptic plasmid of Neisseria gonorrhoeae with plasmids from Neisseria meningitidis and Neisseria lactamica. Ison CA, et al. J Clin Pathol 1986 Oct; 39(10):1119–23

Plasmid heterogeneity in Streptococcus cremoris M12R: effects on proteolytic activity and host–dependent phage replication. Steenson LR, et al. J Dairy Sci 1986 Sep; 69(9):2227–36

Conversion of an M– group A streptococcus to M+ by transfer of a plasmid containing an M6 gene. Scott JR, et al. J Exp Med 1986 Nov 1;164(5):1641–51

Properties of in vitro recombinant derivatives of pJV1, a multi–copy plasmid from Streptomyces phaeochromogenes. Bailey CR, et al. J Gen Microbiol 1986 Aug;132 (Pt 8):2071–8

pIN32: a cointegrate plasmid with IncHI2 and IncFII components. Bradley DE, et al. J Gen Microbiol 1986 May; 132 (Pt 5):1339–46

Bacteriophages F0lac h, SR, SF: phages which adsorb to pili encoded by plasmids of the S–complex. Coetzee JN, et al. J Gen Microbiol 1986 Oct;132 (Pt 10):2907–17

Incompatibility between E colicin plasmids. Cooper PC, et al. J Gen Microbiol 1986 Jul;132 (Pt 7):1859–62

Agrobacterium Ti and Ri plasmids specify enzymic lactonization of mannopine to agropine. Dessaux Y, et al. J Gen Microbiol 1986 Sep;132 (Pt 9):2549–59

Location of the site–specific recombination system of R46: a function necessary for plasmid maintenance. Dodd HM, et al. J Gen Microbiol 1986 Apr;132 (Pt 4):1009–20

Detection of an integrated tetracycline resistance plasmid in the chromosome of methicillin–resistant Staphylococcus aureus. Gillespie MT, et al. J Gen Microbiol 1986 Jun;132 (Pt 6):1723–8

Construction of a novel gene bank of Bacillus subtilis using a low copy number vector in Escherichia coli. Hasnain S, et al. J Gen Microbiol 1986 Jul;132 (Pt 7):1863–74

Temperature–dependent plasmid integration into and excision from the chromosome of Bacillus stearothermophilus. Koizumi J, et al. J Gen Microbiol 1986 Jul;132 (Pt 7):1951–8

Effects of immune colostrum on the expression of a K88 plasmid encoded determinant: role of plasmid stability and influence of phenotypic expression of K88 fimbriae. Nagy LK, et al. J Gen Microbiol 1986 Sep;132 (Pt 9):2497–503

Characterization and incompatibility properties of ROM–derivatives of pBR322–based plasmids. Nugent ME, et al. J Gen Microbiol 1986 Apr;132 (Pt 4):1021–6

A multi–resistance plasmid isolated from commensal Neisseria species is closely related to the enterobacterial plasmid RSF1010. Rotger R, et al. J Gen Microbiol 1986 Sep;132 (Pt 9):2491–6

No correlation exists between the conjugative transfer of the autotrophic character and that of plasmids in Nocardia opaca strains. Sensfuss C, et al. J Gen Microbiol 1986 Apr; 132 (Pt 4):997–1007

The traT protein is able to normalize the phenotype of a plasmid–carried permeability mutation of Salmonella typhimurium. Sukupolvi S, et al. J Gen Microbiol 1986 Aug;132 (Pt 8):2079–85

Functions encoded by the yeast plasmid pSB3 isolated from Zygosaccharomyces rouxii IFO 1730 (formerly Saccharomyces bisporus var. mellis). Utatsu I, et al. J Gen Microbiol 1986 May;132 (Pt 5):1359–65

An inverted repeat sequence of the IncFI plasmid ColV2–K94 increases multimerization–mediated plasmid instability. Weber PC, et al. J Gen Microbiol 1986 Apr;132 (Pt 4):989–95

Altered phage P1 attachment to strains of Escherichia coli carrying the plasmid ColV,I-K94. Goodson M, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1785–9

Abortive infection by bacteriophage Me1 of Escherichia coli K12 strains bearing the plasmid ColV, I-K94. Reakes CF, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):263–72

Speciation, serotyping, antimicrobial sensitivity and plasmid content of Proteeae from the environment of calf-rearing units in South West England. Hawkey PM, et al. **J Hyg (Lond)** 1986 Dec;97(3):405–17

Plasmids in group JK coryneform bacteria isolated in a single hospital. Kerry-Williams SM, et al. **J Hyg (Lond)** 1986 Oct;97(2):255–63

Plasmid profiling of epidemic staphylococci from around 1960: a comparison of epidemiological techniques. Noble WC, et al. **J Hyg (Lond)** 1986 Oct;97(2):211–8

Restriction enzyme fingerprinting of enterobacterial plasmids: a simple strategy with wide application. Platt DJ, et al. **J Hyg (Lond)** 1986 Oct;97(2):205–10

The distribution of plasmids among a representative collection of Scottish strains of Salmonellae. Platt DJ, et al. **J Hyg (Lond)** 1986 Oct;97(2):199–204

Development of an enzyme-linked immunosorbent assay for staphylococcal protein A produced in Escherichia coli by pUC8 based plasmids containing the Staphylococcus aureus Cowan I protein A gene. Warnes A, et al. **J Immunol Methods** 1986 Oct 23;93(1):63–70

Mediation of serum resistance in Salmonella typhimurium by an 11-kilodalton polypeptide encoded by the cryptic plasmid. Hackett J, et al. **J Infect Dis** 1987 Mar; 155(3):540–9

Natural history of oral Salmonella dublin infection in BALB/c mice: effect of an 80-kilobase-pair plasmid on virulence. Hefferman EJ, et al. **J Infect Dis** 1987 Jun; 155(6):1254–9

Frequency and distribution in the United States of strains of Neisseria gonorrhoeae with plasmid-mediated, high-level resistance to tetracycline. Knapp JS, et al. **J Infect Dis** 1987 Apr;155(4):819–22

Comparison of CFA/I:ST plasmids of enterotoxigenic Escherichia coli. Murray BE, et al. **J Infect Dis** 1987 Aug; 156(2):398–401

Limitations of using the plasmid pattern as an epidemiological tool for clinical isolates of Shigella sonnei. Prado D, et al. **J Infect Dis** 1987 Feb;155(2):314–6

Coexistence of incompatible plasmids in a bacterial population living under a feast and famine regime. Van der Hoeven N. **J Math Biol** 1986;24(3):313–25

Virulence plasmid-associated sensitivity to acid in Escherichia coli and its possible significance in human infections. Cooper GE, et al. **J Med Microbiol** 1986 Nov; 22(3):231–6

A simple statistical approach that represents the frequency distribution of plasmids in clinical isolates of the enterobacteria. Platt DJ. **J Med Microbiol** 1987 May; 23(3):255–60

Topoisomerization of plasmid DNA in Escherichia coli infected with bacteriophage T4. Albright LM, et al. **J Mol Biol** 1986 Aug 5;190(3):329–41

Isolation of intermediates in the binding of the FLP recombinase of the yeast plasmid 2-micron circle to its target sequence. Andrews BJ, et al. **J Mol Biol** 1987 Jan 20;193(2):345–58

A recombinant Chinese hamster ovary cell line containing a 300-fold amplified tetramer of the hepatitis B genome together with a double selection marker expresses high levels of viral protein. Asselbergs FA, et al. **J Mol Biol** 1986 Jun 5;189(3):401–11

Agrobacterium tumefaciens pTAR parA promoter region involved in autoregulation, incompatibility and plasmid partitioning. Gallie DR, et al. **J Mol Biol** 1987 Feb 5; 193(3):465–78

Identification and analysis of genes for tetracycline resistance and replication functions in the broad-host-range plasmid pLS1. Lacks SA, et al. **J Mol Biol** 1986 Dec 20; 192(4):753–65

Phage T1-mediated transduction of a plasmid containing the T1 pac site. Liebeschuetz J, et al. **J Mol Biol** 1986 Dec 20;192(4):681–92

Small Staphylococcus aureus plasmids are transduced as linear multimers that are formed and resolved by replicative processes. Novick RP, et al. **J Mol Biol** 1986 Nov 20; 192(2):209–20

P1 plasmid replication. Role of initiator titration in copy number control. Pal SK, et al. **J Mol Biol** 1986 Nov 20; 192(2):275–85

Sequence dependence of Drosophila topoisomerase II in plasmid relaxation and DNA binding. Sander M, et al. **J Mol Biol** 1987 Mar 20;194(2):219–29

Concatemer formation of ColE1-type plasmids in mutants of Escherichia coli lacking RNase H activity. Subia NL, et al. **J Mol Biol** 1986 Jun 5;189(3):389–99

Protein-DNA interactions and nuclease-sensitive regions determine nucleosome positions on yeast plasmid chromatin. Thoma F. **J Mol Biol** 1986 Jul 20;190(2):177–90

Regulation of IncFII plasmid DNA replication. A quantitative model for control of plasmid NR1 replication in the bacterial cell division cycle. Womble DD, et al. **J Mol Biol** 1986 Dec 5;191(3):529–47

Regulation of lambda dv plasmid DNA replication. A quantitative model for control of plasmid lambda dv replication in the bacterial cell division cycle. Womble DD, et al. **J Mol Biol** 1986 Oct 5;191(3):367–82

Effects of position and orientation of the 72-base-pair-repeat transcriptional enhancer on replication from the simian virus 40 core origin. Chandrasekharappa SC, et al. **J Virol** 1987 Oct;61(10):2973–80

Adaptor plasmids simplify the insertion of foreign DNA into helper-independent retroviral vectors. Hughes SH, et al. **J Virol** 1987 Oct;61(10):3004–12

A bovine papillomavirus type 1-encoded modulator function is dispensable for transient viral replication but is required for establishment of the stable plasmid state. Lusky M, et al. **J Virol** 1986 Nov;60(2):729–42

Bovine papillomavirus type 1 3' early region transformation and plasmid maintenance functions. Rabson MS, et al. **J Virol** 1986 Nov;60(2):626–34

A recombinant plasmid from which an infectious adeno-associated virus genome can be excised in vitro and its use to study viral replication. Samulski RJ, et al. **J Virol** 1987 Oct;61(10):3096–101

A survey of plasmids in the clinically isolated Shigella strains and their invasive ability and antibiotic resistances. Sakaguchi S, et al. **Kitasato Arch Exp Med** 1986 Jun; 59(1-2):1–7

Prevalence of gonococci lacking the 2.6 megadalton cryptic plasmid [letter] Abeck D, et al. **Lancet** 1987 Jun 20; 1(8547):1440

Plasmid-mediated resistance to nalidixic acid in Shigella dysenteriae type 1. Munshi MH, et al. **Lancet** 1987 Aug 22;2(8556):419–21

Labeling of interferons with [35S]methionine in a cell-free DNA-dependent system. Kung HF. **Methods Enzymol** 1986;119:292–6

Plasmid maintenance in Bacillus subtilis recombination-deficient mutants. Alonso JC, et al. **MGG** 1987 Jun;208(1-2):349–52

Regulation of expression of the gene for vitamin B12 receptor cloned on a multicopy plasmid in Escherichia coli. Aufrère R, et al. **MGG** 1986 Nov;205(2):358–65

Replicon fusions promoted by insertion sequences on Pseudomonas cepacia plasmid pTGL6. Barsomian G, et al. **MGG** 1986 Aug;204(2):273–80

Cloning and characterization of a linear 2.3 kb mitochondrial plasmid of maize. Bedinger P, et al. **MGG** 1986 Nov; 205(2):206–12

Sequence of psi, a gene on the symbiotic plasmid of Rhizobium phaseoli which inhibits exopolysaccharide synthesis and nodulation and demonstration that its transcription is inhibited by psr, another gene on the symbiotic plasmid. Borthakur D, et al. **MGG** 1987 Apr; 207(1):149–54

Frameshifts close to the Klebsiella pneumoniae nifH promoter prevent multicopy inhibition by hybrid nifH plasmids. Buck M, et al. **MGG** 1987 May;207(2-3):492–8

The origin of transfer (oriT) of the conjugative plasmid R46: characterization by deletion analysis and DNA sequencing. Coupland GM, et al. **MGG** 1987 Jun;208(1-2):219–25

Novel rearrangements of IS30 carrying plasmids leading to the reactivation of gene expression. Dalrymple B. **MGG** 1987 May;207(2-3):413–20

Characterization of DNA uptake by the cyanobacterium Anacystis nidulans. Daniell H, et al. **MGG** 1986 Aug; 204(2):243–8

Replication of the streptococcal plasmid pMV158 and derivatives in cell-free extracts of Escherichia coli. del Solar G, et al. **MGG** 1987 Mar;206(3):428–35

Mobilization of the non-conjugative plasmid RSF1010: a genetic analysis of its origin of transfer. Derbyshire KM, et al. **MGG** 1987 Jan;206(1):154–60

Mobilization of the non-conjugative plasmid RSF1010: a genetic and DNA sequence analysis of the mobilization region. Derbyshire KM, et al. **MGG** 1987 Jan;206(1):161–8

Genetic analysis of mannityl opine catabolism in octopine-type Agrobacterium tumefaciens strain 15955. Dessaux Y, et al. **MGG** 1987 Jun;208(1-2):301–8

Reduced superhelicity of plasmid DNA produced by the rho-15 mutation in Escherichia coli. Fassler JS, et al. **MGG** 1986 Sep;204(3):424–9

Derepression of single-stranded DNA-binding protein genes on plasmids derepressed for conjugation, and complementation of an E. coli ssb- mutation by these genes. Golub EI, et al. **MGG** 1986 Sep;204(3):410–6

Complete nucleotide sequence of the low copy number plasmid pRAT11 and replication control by the RepA protein in Bacillus subtilis. Imanaka T, et al. **MGG** 1986 Oct;205(1):90–6

The Inc3B determinant of plasmid pT181. A mutational analysis. Iordanescu S. **MGG** 1987 Apr;207(1):60–7

Genetic and physical analysis of plasmid genes expressing inducible resistance of tellurite in Escherichia coli. Jobling MG, et al. **MGG** 1987 Jun;208(1-2):288–93

A general method for the construction of Escherichia coli mutants by homologous recombination and plasmid segregation. Kiel JA, et al. **MGG** 1987 May; 207(2-3):294–301

Rescue of a tk-plasmid from transgenic mice reveals its episomal transmission. Kiessling U, et al. **MGG** 1986 Aug; 204(2):328–33

Molecular cloning and DNA homology of plasmid-mediated beta-lactamase genes. Levesque RC, et al. **MGG** 1987 Feb; 206(2):252–8

Mutations in a new chromosomal gene of Escherichia coli K-12, pcnB, reduce plasmid copy number of pBR322 and its derivatives. Lopilato J, et al. **MGG** 1986 Nov; 205(2):285–90

The yeast 2 micron plasmid: strategies for the survival of a selfish DNA. Mead DJ, et al. **MGG** 1986 Dec; 205(3):417–21

The xylS gene positive regulator of TOL plasmid pWWO: identification, sequence analysis and overproduction leading to constitutive expression of meta cleavage operon. Mermod N, et al. **MGG** 1987 May;207(2-3):349–54

Cytosine-specific DNA modification interferes with plasmid establishment in Escherichia coli K12: involvement of rglB. Noyer-Weidner M, et al. **MGG** 1986 Dec;205(3):469–75

Lowered induction of genetic tandem duplications in Salmonella by the pKM101 plasmid. Pall ML, et al. **MGG** 1986 Aug;204(2):281–4

Incompatibility between plasmids with independent copy control. Projan SJ, et al. **MGG** 1986 Aug;204(2):341–8

The plasmids of Acetobacter xylinum and their interaction with the host chromosome. Valla S, et al. **MGG** 1987 Jun; 208(1-2):76–83

Spot-transformation with plasmids. Vogel W, et al. **MGG** 1986 Dec;205(3):561–2

Asymmetric replication of an oriC plasmid in Escherichia coli. Yoshimoto M, et al. **MGG** 1986 Aug;204(2):214–20

Conjugal acquisition and stable maintenance of Ent plasmids in nontoxigenic wild-type strains of Escherichia coli. Danbara H, et al. **Microbiol Immunol** 1986;30(11):1095–104

Transformation by extracellular DNA produced by Pseudomonas aeruginosa. Muto Y, et al. **Microbiol Immunol** 1986;30(7):621–8

Plasmid-like properties of the four virulence-associated factors of Yersinia pestis. Tsukano H, et al. **Microbiol Immunol** 1986;30(9):837–48

A molecular study of Salmonella strains identified from two food-poisoning outbreaks. Nastasi A, et al. **Microbiologica** 1987 Jul;10(3):265–9

Related structures in the plasmid profiles of Bifidobacterium longum. Sgorbati B, et al. **Microbiologica** 1986 Oct; 9(4):415–22

Related structures in the plasmid profiles of Bifidobacterium asteroides, B. indicum and B. globosum. Sgorbati B, et al. **Microbiologica** 1986 Oct;9(4):443–54

Study of an artificial endoassociation between Saccharomyces cerevisiae and Escherichia coli. González MT, et al. **Microbios** 1987;50(203):99–108

Recombination of homologous DNA fragments transfected into mammalian cells occurs predominantly by terminal pairing. Anderson RA, et al. **Mol Cell Biol** 1986 Sep; 6(9):3246–52

Interaction of the FLP recombinase of the Saccharomyces cerevisiae 2 micron plasmid with mutated target sequences. Andrews BJ, et al. **Mol Cell Biol** 1986 Jul;6(7):2482–9

Repair of heteroduplex plasmid DNA after transformation into Saccharomyces cerevisiae. Bishop DK, et al. **Mol Cell Biol** 1986 Oct;6(10):3401–9

Fine-structure analysis of the DNA sequence requirements for autonomous replication of Saccharomyces cerevisiae plasmids. Bouton AH, et al. **Mol Cell Biol** 1986 Jul; 6(7):2354–63

Characterization of an episome produced in hamster cells that amplify a transfected CAD gene at high frequency: functional evidence for a mammalian replication origin. Carroll SM, et al. **Mol Cell Biol** 1987 May;7(5):1740–50

Cellular DNA rearrangements and early developmental arrest caused by DNA insertion in transgenic mouse embryos. Covarrubias L, et al. **Mol Cell Biol** 1987 Jun; 7(6):2243–7

Episomal maintenance of a bovine papilloma virus vector in transgenic mice. Elbrecht A, et al. **Mol Cell Biol** 1987 Mar;7(3):1276–9

Toxic effects of excess cloned centromeres. Futcher B, et al. **Mol Cell Biol** 1986 Jun;6(6):2213–22

High-efficiency transformation of Saccharomyces cerevisiae cells by bacterial minicell protoplast fusion. Gyuris J, et al. **Mol Cell Biol** 1986 Sep;6(9):3295–7

A nuclear gene of Saccharomyces cerevisiae needed for stable maintenance of plasmids. Kikuchi Y, et al. **Mol Cell Biol** 1986 Nov;6(11):4053–9

Development of autonomously replicating plasmids for Candida albicans. Kurtz MB, et al. **Mol Cell Biol** 1987 Jan; 7(1):209–17

Identification of the crossover site during FLP-mediated recombination in the Saccharomyces cerevisiae plasmid 2 microns circle. McLeod M, et al. **Mol Cell Biol** 1986 Oct; 6(10):3357–67

Cellular response to DNA damage is enhanced by the pR plasmid in mouse cells and in Escherichia coli. Marcucci L, et al. **Mol Cell Biol** 1986 Feb;6(2):586–92

Context-dependent gene expression: cis-acting negative effects of specific procaryotic plasmid sequences on eucaryotic genes. Peterson DO, et al. **Mol Cell Biol** 1987 Apr;7(4):1563–7

DNA sequence homology between the terminal inverted repeats of Shope fibroma virus and an endogenous cellular plasmid species. Upton C, et al. **Mol Cell Biol** 1986 Jan; 6(1):265–76

The pR plasmid: a tool for discriminating between DNA lesions induced by different types of cytotoxic agents in cultured mammalian cells. Elli R, et al. **Mutat Res** 1987 Jul-Aug;191(3-4):177–81

Frameshift mutagenesis by nitracrine analogues in wild-type, uvrB, polA and recA strains of Salmonella typhimurium,

with and without plasmid pKM101. Ferguson LR, et al. **Mutat Res** 1987 Jul;184(1):13–21

The formation of reactive intermediate(s) of glucose 6-phosphate and lysine capable of rapidly reacting with DNA. Lee AT, et al. **Mutat Res** 1987 Aug;179(2):151–8

SCP1-dependent Weigle activation of the VP5 phage in Streptomyces coelicolor A3(2). Misuraca F, et al. **Mutat Res** 1986 Dec;175(4):217–22

Effect of pKM101 plasmid on lethal and mutagenic damage in UV-irradiated E. coli strains. Nunoshiba T, et al. **Mutat Res** 1987 Jan;183(1):39–44

Introduction of foreign DNA into mycobacteria using a shuttle phasmid. Jacobs WR Jr, et al. **Nature** 1987 Jun 11–17;327(6122):532–5

Giant linear plasmids in Streptomyces which code for antibiotic biosynthesis genes. Kinashi H, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):454–6

Plasmids and lack of pathogenicity of Yersinia enterocolitica isolated from wild-living birds, Japanese serows and environmental specimens. Tanaka M, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):511–3

Plasmid mediated mutagenesis of a cellular gene in transfected eukaryotic cells. Brandt CR, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):561–73

Sequence of the adenine methylase gene of the Streptococcus faecalis plasmid pAM beta 1. Brehm J, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3177

DNA inserted two bases down from the initiation site of a SP6 polymerase transcription vector is transcribed efficiently in vitro. Bujarski JJ, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1337

Sequencing refractory GC rich regions in plasmid DNA. Carlberg C, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2779

The miniF plasmid C protein: sequence, purification and DNA binding. Caughey PA, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9699–712

Deletion and rearrangement of plasmid DNA during transformation of Escherichia coli with linear plasmid molecules. Conley EC, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8905–17

Mechanism of intramolecular recyclization and deletion formation following transformation of Escherichia coli with linearized plasmid DNA. Conley EC, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8919–32

pBD7, a novel cell-free expression vector with efficient translation initiation signal. Dasmahapatra B, et al. **Nucleic Acids Res** 1987 May 11;15(9):3933

Initiation signals for the conversion of single stranded to double stranded DNA forms in the streptococcal plasmid pLS1. del Solar GH, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5561–80

Supercoiling in prokaryotic and eukaryotic DNA: changes in response to topological perturbation of plasmids in E. coli and SV40 in vitro, in nuclei and in CV-1 cells. Esposito F, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5105–24

pG95 alpha 1-7dIII/RI, a single copy clone at Xp11.4 which recognises a TaqI polymorphism (DXS209). Goodfellow PJ, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8693

Helical repeat of DNA in solution. The V curve method. Goulet I, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):2803–21

Efficient construction of cDNA libraries in plasmid expression vectors using an adaptor strategy. Haymerle H, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8615–24

Isolation of a human genomic fragment, co-amplified with c-Ki-ras, that affects plasmid supercoiling in E. coli. Heighway J, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3411–20

Reconstruction of human alpha thalassemia-2 genotypes in monkey cells. Hu WS, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):2989–3008

Studies on SP6 promoter using a new plasmid vector that allows gene insertion at the transcription initiation site. Kang C, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2279–94

Screening of pUC plasmid clones for inserts based on growth rate (without X-gal). Karlovský P, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6753

Polyadenylation at a cryptic site in the pBR322 portion of pSV2-neo: prevention of its utilization by the SV40 late poly(A) signal. Kessler MM, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):631–42

Copy-number of broad host-range plasmid R1162 is regulated by a small RNA. Kim K, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8027–46

Cleavage of single-stranded DNA by plasmid pT181-encoded RepC protein. Koepsel RR, et al. **Nucleic Acids Res** 1987 May 26;15(10):4085–97

Shufflon: multi-inversion of four contiguous DNA segments of plasmid R64 creates seven different open reading frames. Komano T, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):1165–72

S1 plasmid from cms-S-maize mitochondria encodes a viral type DNA-polymerase. Kuzmin EV, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6758

D protein of miniF plasmid acts as a repressor of transcription and as a site-specific resolvase. Lane D, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9713–28

A new method for constructing linker scanning mutants. Luckow B, et al. **Nucleic Acids Res** 1987 Jan 26; 15(2):417–29

pBR322 DNA inhibits simian virus 40 gene expression in Xenopus laevis oocytes. Michaeli T, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1579–94

RecA independent recombination of poly[d(GT)-d(CA)] in pBR322. Murphy KE, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7325–40

A new type of plasmid from a wild isolate of Dictyostelium species: the existence of closely situated long inverted repeats. Orii H, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):1097–107

Conservation of a common 'backbone' in the genetic organization of the IncP plasmids RP4 and R751. Pansegrau W, et al. **Nucleic Acids Res** 1987 Mar 11; 15(5):2385

p?yLT1 does not always dictate the formation of autonomously replicating elements in transgenic mice. Potter SS, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5482

A YIp5-kanr plasmid useful for isolating ars from yeast and other eukaryotes based on G418 resistance selection. Rao TR, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7504

Xrep, a plasmid-stimulating X chromosomal sequence bearing similarities to the BK virus replication origin and viral enhancers. Riley DE, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9407–23

An efficient expression vector (pPLEX) for bacterial synthesis of non-fusion proteins and protein domains. Sczakiel G, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1878

Efficient isolation of the linear DNA killer plasmid of Kluyveromyces lactis: evidence for location and expression in the cytoplasm and characterization of their terminally bound proteins. Stam JC, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6871–84

A. tumefaciens pTi A6 and C58 vir C and D promoter alignment. Tate ME. **Nucleic Acids Res** 1987 Aug 25; 15(16):6739

DNA orientation using specific avidin-ferritin biotin end labelling. Theveny B, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):947–58

Expression and identification of immunity determinants on linear DNA killer plasmids pGKL1 and pGKL2 in Kluyveromyces lactis. Tokunaga M, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1031–46

Generation of linear multigenome-length plasmid molecules in Bacillus subtilis. Viret JF, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6349–67

Characterization of the virE operon of the Agrobacterium Ti plasmid pTiA6. Winans SC, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):825–37

Site directed mutagenesis experiments suggest that Glu 111, Glu 144 and Arg 145 are essential for endonucleolytic activity of EcoRI. Wolfes H, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9063–80

Differential scanning calorimetric and theoretical studies of ColE1 DNA. Maeda Y, et al. **Nucleic Acids Symp Ser** 1986; (17):203–6

Mathematical model for the control of ColE1 type plasmid replication. Ataai MM, et al. **Plasmid** 1986 Nov; 16(3):204–12

Electron microscopic mapping of deletions on a streptococcal plasmid carrying extraordinarily long inverted repeats. Behnke D, et al. **Plasmid** 1980 Sep;4(2):139–47

Physical mapping of plasmid pDB101: a potential vector plasmid for molecular cloning in streptococci. Behnke D, et al. **Plasmid** 1980 Sep;4(2):130–8

The inactivation of tet genes on a plasmid by the duplication of one inverted repeat of a transposon-like structure which itself mediates tetracycline resistance. Bennett PM, et al. **Plasmid** 1980 Mar;3(2):135–49

Replication mutants of the F-plasmid of Escherichia coli K-12. I. Isolation and characterization of temperature-sensitive replication mutants of F'-gal+. Bergquist PL, et al. **Plasmid** 1980 Mar;3(2):165–78

RecA independent, site-specific recombination between ColE1 or ColK and a miniplasmid they complement for mobilization and relaxation: implications for the mechanism of DNA transfer during mobilization. Broome-Smith J. **Plasmid** 1980 Jul;4(1):51–63

Physical characterization of Rhizobium meliloti megaplasmids. Burkardt B, et al. **Plasmid** 1987 Jan; 17(1):13–25

Plasmid pU29, a vehicle for mutagenesis of the photosynthetic puf operon in Rhodopseudomonas capsulata. Bylina EJ, et al. **Plasmid** 1986 Nov;16(3):175–81

finO sequences on conjugally repressed and derepressed F-like plasmids. Cheah KC, et al. **Plasmid** 1987 May; 17(3):233–9

Streptococcus faecalis sex pheromone (cAD1) response: evidence that the peptide inhibitor excreted by pAD1-containing cells may be plasmid determined. Clewell DB, et al. **Plasmid** 1987 Jan;17(1):65–8

Homology studies demonstrate colinear organization of the transferred regions of plasmids pRi 1855 and pRi 8196 from Agrobacterium rhizogenes. Combard A. **Plasmid** 1987 Mar; 17(2):137–48

ColE1 hybrid plasmids containing Escherichia coli genes involved in the biosynthesis of glutamate and glutamine. Covarrubias AA, et al. **Plasmid** 1980 Mar;3(2):150–64

Sequence and functional analysis of a divergent promoter from a cryptic plasmid of Lactobacillus acidophilus 168 S. Damiani G, et al. **Plasmid** 1987 Jan;17(1):69–72

The molecular relatedness among alpha-hemolytic plasmids from various incompatibility groups. de la Cruz F, et al. **Plasmid** 1980 Jul;4(1):76–81

Molecular cloning of overlapping segments of the nopaline Ti-plasmid pTiC58 as a means to restriction endonuclease mapping. Depicker A, et al. **Plasmid** 1980 Mar;3(2):193–211

Dispersed repetitive sequences of the mouse genome are differentially represented in extrachromosomal circular DNAs in vivo. Flores SC, et al. **Plasmid** 1987 May; 17(3):257–60

Replication mutants of the F-plasmid of Escherichia coli. II. Cloned replication regions of temperature-sensitive mutants. Gardner RC, et al. **Plasmid** 1980 Mar;3(2):179–92

Regulation of plasmid-encoded lactose genes in different gram-negative enterobacteriaceae. Guiso N, et al. **Plasmid** 1980 May;3(3):328–31

Plasmid repopulation kinetics in Staphylococcus aureus. Highlander SK, et al. **Plasmid** 1987 May;17(3):210–21

The functional organization of the nopaline A. tumefaciens plasmid pTiC58. Holsters M, et al. **Plasmid** 1980 Mar; 3(2):212–30

Molecular mechanism of Ti plasmid mobilization by R plasmids: isolation of Ti plasmids with transposon-insertions in Agrobacterium tumefaciens. Hooykaas PJ, et al. **Plasmid** 1980 Jul;4(1):64–75

Complementation of a plasmid replication defect by autonomous incompatible plasmids in Staphylococcus aureus. Iordănescu S, et al. **Plasmid** 1980 Jul;4(1):1–7

Plasmids in Leuconostoc oenos. Janse BJ, et al. **Plasmid** 1987 Mar;17(2):173–5

Localization of the replication control region on the physical map of the octopine Ti plasmid. Koekman BP, et al. **Plasmid** 1980 Sep;4(2):184–95

Genetic basis of a Tn7 insertion mutation in the trfA region of the promiscuous IncP-1 plasmid R18 which affects its host range. Krishnapillai V, et al. **Plasmid** 1987 Mar; 17(2):164–6

DnaG-suppressing variants of R68.45 with enhanced chromosome donating ability in Rhizobium. Ludwig RA, et al. **Plasmid** 1980 May;3(3):359–61

Functioning of the F-plasmid origin of replication in an Escherichia coli K12 Hfr strain during exponential growth. Lycett GW, et al. **Plasmid** 1986 Nov;16(3):168–74

Correction. A revision of the nucleotide sequence and functional map of pUB110. McKenzie T, et al. **Plasmid** 1987 Jan;17(1):83–5

Characterization of the Streptomyces plasmid pVE1. MacNeil T, et al. **Plasmid** 1986 Nov;16(3):182–94

Molecular characterization of unique deletion mutants of the streptococcal plasmid, pAM beta 1. Macrina FL, et al. **Plasmid** 1980 Jul;4(1):8–16

The isolation and characteristics of plasmids derived from the insertion of MupAp1 into pML2: their behavior during transposition. Maynard-Smith S, et al. **Plasmid** 1980 Jul; 4(1):34–50

Heterogeneity of tetracycline resistance determinants. Mendez B, et al. **Plasmid** 1980 Mar;3(2):99–108

Plasmid mediated enhancement of uv resistance in Streptococcus faecalis. Miehl R, et al. **Plasmid** 1980 Mar; 3(2):128–34

Partitioning of plasmid R1 in Escherichia coli. I. Kinetics of loss of plasmid derivatives deleted of the par region. Nordström K, et al. **Plasmid** 1980 Sep;4(2):215–27

Involvement of the cell envelope in plasmid maintenance: plasmid curing during the regeneration of protoplasts. Novick R, et al. **Plasmid** 1980 May;3(3):348–58

Structural plasmid instability in recombination- and repair-deficient strains of Bacillus subtilis. Peijnenburg AA, et al. **Plasmid** 1987 Mar;17(2):167–70

Analysis of transcription from the trfA promoter of broad host range plasmid RK2 in Escherichia coli, Pseudomonas putida, and Pseudomonas aeruginosa. Pinkney M, et al. **Plasmid** 1987 May;17(3):222–32

Transfer of pUB110 plasmid via spontaneous transformation in Bacillus subtilis. Prozorov AA, et al. **Plasmid** 1980 Mar; 3(2):231–2

Restriction map of virulence plasmid in Yersinia enterocolitica O:3. Pulkkinen L, et al. **Plasmid** 1986 Nov; 16(3):225–7

Kinetoplast DNA minicircles: high-copy-number mitochondrial plasmids. Ray DS. **Plasmid** 1987 May; 17(3):177–90 (55 ref.)

A method of plasmid classification by integrative incompatibility. Sasakawa C, et al. **Plasmid** 1980 Mar; 3(2):116–27

Plasmid pEA566 from Erwinia aroideae. Schukin NN, et al. **Plasmid** 1980 Sep;4(2):228–30

Expression of Ti-plasmid DNA in E. coli: comparison of homologous fragments cloned from Ti plasmids of Agrobacterium strains C58 and Ach5. Schweitzer S, et al. **Plasmid** 1980 Sep;4(2):196–204

Cloning and overexpression of the colicin E1 immunity gene. Shanafelt AB, et al. **Plasmid** 1987 May;17(3):261–4

Identification of the minimal replication region of the multicopy Streptomyces plasmid pSL1. Shindoh Y, et al. **Plasmid** 1987 Mar;17(2):149–56

Characterization of the incompatibility region of Streptomyces plasmid pSL1. Urabe H, et al. **Plasmid** 1987 Mar;17(2):157–63

Conservation of plasmids among plant-pathogenic Pseudomonas syringae isolates of diverse origins. von Bodman SB, et al. **Plasmid** 1987 May;17(3):240–7

Characterization of self-transmissible plasmids determining lactose fermentation and multiple antibiotic resistance in clinical strains of Klebsiella pneumoniae. Walia SK, et al. **Plasmid** 1987 Jan;17(1):3–12

Cloning the Tra1 region of RP1. Watson J, et al. **Plasmid** 1980 Sep;4(2):175–83

Restricted ultraviolet mutational spectrum in a shuttle vector propagated in xeroderma pigmentosum cells. Bredberg A, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8273–7

Positive and negative roles of an initiator protein at an origin of replication. Filutowicz M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9645–9

Expression of the regulatory gene xylS on the TOL plasmid is positively controlled by the xylR gene product. Inouye S, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5182–6

Unusual conformational effect exerted by Z-DNA upon its neighboring sequences. Kohwi-Shigematsu T, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2223–7

Multicopy plasmid with a structure related to the polyoma virus genome. Kusano T, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1789–93

Nucleotide sequence and expression of the mercurial-resistance operon from Staphylococcus aureus plasmid pI258. Laddaga RA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5106–10

Rho-dependent transcription termination of a bacterial operon is antagonized by an extrachromosomal gene product. Lagos R, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9561–5

Separations of open-circular DNA using pulsed-field electrophoresis. Levene SD, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4054–7

A temperature-dependent pBR322 copy number mutant resulting from a Tn5 position effect. Lupski JR, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7381–5

RepA and DnaA proteins are required for initiation of R1 plasmid replication in vitro and interact with the oriR sequence. Masai H, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4781–5

Mutations in the 2-microns circle site-specific recombinase that abolish recombination without affecting substrate recognition. Prasad PV, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2189–93

Topoisomerase I mutants: the gene on pBR322 that encodes resistance to tetracycline affects plasmid DNA supercoiling. Pruss GJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8952–6

Altered effector specificities in regulators of gene expression: TOL plasmid xylS mutants and their use to engineer expansion of the range of aromatics degraded by bacteria. Ramos JL, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8467–71

Multiple point mutations in a shuttle vector propagated in human cells: evidence for an error-prone DNA polymerase activity. Seidman MM, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4944–8

Transformation of Corynebacterium diphtheriae, Corynebacterium ulcerans, Corynebacterium glutamicum, and Escherichia coli with the C. diphtheriae plasmid pNG2. Serwold-Davis TM, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4964–8

Transfection with plasmid pSV2gptEJ induces chromosome rearrangements in CHEF cells. Stenman G, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):184–8

Replication of mini-P1 plasmid DNA in vitro requires two initiation proteins, encoded by the repA gene of phage P1 and the dnaA gene of Escherichia coli. Wickner SH, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3668–72

Expression of plasmid-coded mutant ribosomal RNA in E. coli: choice of plasmid vectors and gene expression systems. Steen R, et al. **Prog Nucleic Acid Res Mol Biol** 1986;33:1–18 (26 ref.)

Plasmids as epidemiologic markers in nosocomial gram-negative bacilli: experience at a university and review of the literature. John JF Jr, et al. **Rev Infect Dis** 1986 Sep-Oct;8(5):693–704 (76 ref.)

Plasmid analysis in molecular epidemiology: a summary and future directions. Shlaes DM, et al. **Rev Infect Dis** 1986 Sep-Oct;8(5):738–46

Colicinogeny in chronic inflammatory bowel disease. Bureš J, et al. **Scand J Gastroenterol** 1986 Sep;21(7):819–23

The biology of plasmids. Day M. **Sci Prog** 1987;71(282 Pt 2):203–20

Linear plasmids of the bacterium Borrelia burgdorferi have covalently closed ends. Barbour AG, et al. **Science** 1987 Jul 24;237(4813):409–11

Redesigning metabolic routes: manipulation of TOL plasmid pathway for catabolism of alkylbenzoates. Ramos JL, et al. **Science** 1987 Jan 30;235(4788):593–6

Plasmid profile analysis of salmonellae in a large-animal hospital. Rumschlag HS, et al. **Vet Microbiol** 1987 Apr; 13(4):301–11

Physical state of the latent herpes simplex virus genome in a mouse model system: evidence suggesting an episomal state. Mellerick DM, et al. **Virology** 1987 Jun;158(2):265–75

Duplication of a viral enhancer sequence improves the stability of a vector based on BPV-1 DNA. Allshire RC, et al. **Virus Res** 1986 Nov;6(2):141–54

In vitro encapsidation of plasmid DNA into human adenovirus empty capsids. Kosturko LD, et al. **Virus Res** 1986 Nov;6(2):123–32

Occurrence and properties of hly-plasmids in E. coli from patients of the Berne area. Gruenig HM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):391–9

Genetic analysis of Borrelia. Hyde FW, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1-2):119–22

Comparative investigations of Klebsiella species of clinical origin: plasmid patterns, biochemical reactions, antibiotic resistances and serotypes. Podschun R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):335–45

[The construction of a plasmid genomic library from Bacillus thuringiensis HD-1] Chen RC, et al. **Wei Sheng Wu Hsueh Pao** 1987 Mar;27(1):30–6 (Eng. Abstr.) **(Chi)**

[Isolation and electron microscope observation of the large plasmid in Bacillus sphaericus Ts-1] Gao CC, et al. **Wei Sheng Wu Hsueh Pao** 1986 Mar;26(1):42–6 (Eng. Abstr.) **(Chi)**

[Auxotypes, plasmid content and serovars of 3 strains of Neisseria gonorrhoeae isolated in Bordeaux in 1955] Dutilh B, et al. **Bull Soc Pathol Exot Filiales** 1987;80(1):38–44 (Eng. Abstr.) **(Fre)**

[Plasmid profiles and antimicrobial resistance in Salmonella typhimurium, S. enteritidis, and S. braenderup isolates from human sources] Horiuchi S, et al. **Kansenshogaku Zasshi** 1987 Feb;61(2):167–77 (Eng. Abstr.) **(Jpn)**

[Genetic analysis of Shigella plasmid involved in pathogenicity] Watanabe H. **Nippon Saikingaku Zasshi** 1986 Jul;41(4):693–9 **(Jpn)**

[Expressing plasmid vectors on the basis of Escherichia coli beta-galactosidase gene fragments] Chakhmakhcheva OG, et al. **Bioorg Khim** 1987 Mar;13(3):350–8 (Eng. Abstr.) **(Rus)**

[The role of structural elements of ColE1-related plasmids in replication control] Gurevich AI, et al. **Bioorg Khim** 1987 Feb;13(2):213–7 (Eng. Abstr.) **(Rus)**

[Plasmid vector pSSC1 for cloning synthetic polynucleotides and their regeneration with a unique nucleotide sequence] Kuznedelov KD, et al. **Bioorg Khim** 1986 Jun;12(6):842–4 (Eng. Abstr.) **(Rus)**

[Expression of the gene for hybrid beta-lactamase pBR322 with C-terminal fragment containing tuftsin (Thr-Lys-Pro-Arg)] Zagrebel'nyĭ SN, et al. **Bioorg Khim** 1986 Oct;12(10):1329–34 (Eng. Abstr.) **(Rus)**

[Complementation analysis of derepressed mutants of F-like plasmids of Escherichia coli] Shchipkov VP, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):212–5 (Eng. Abstr.) **(Rus)**

[Bireplicon vector plasmids for the cyanobacterium Synechocystis 6803 and Escherichia coli] Elanskaia IV, et al. **Dokl Akad Nauk SSSR** 1987;293(3):716–9 **(Rus)**

[Plasmid vector for gene expression containing the temperature-dependent promoter of phage lambda P'R DNA] Kravchenko VV, et al. **Dokl Akad Nauk SSSR** 1986; 291(5):1253–6 **(Rus)**

[Inheritance of artificial mini-chromosomes in Saccharomyces yeasts with instability of native chromosomes] Kuprina NIu, et al. **Dokl Akad Nauk SSSR** 1987;292(3):734–7 **(Rus)**

[Accumulation of artificial minichromosomes in a Saccharomyces cerevisiae mutant with impaired segregation process] Larionov VL, et al. **Dokl Akad Nauk SSSR** 1987;294(6):1493–7 **(Rus)**

[Integration and expression of the human dihydrofolate reductase gene in the Bacillus subtilis chromosome] Poluéktova EU, et al. **Dokl Akad Nauk SSSR** 1987; 293(5):1249–52 **(Rus)**

[Effective, plasmid RP4-dependent replication-transposition of DNA of the transposable phage D3112 of Pseudomonas aeruginosa in a heterologous Escherichia coli system] Akhverdian VZ, et al. **Genetika** 1986 Aug;22(8):2048–54 (Eng. Abstr.) **(Rus)**

[RecE-independent recombination of plasmids in Bacillus subtilis cells] Bashkirov VI, et al. **Genetika** 1986 Dec; 22(12):2750–7 (Eng. Abstr.) **(Rus)**

[Genetic study of plasmid integration into yeast chromosomes. III. Selection for a phenotype of Saccharomyces cerevisiae (Meyen ex Hansen) clones which lost the 2-micron DNA and their genetic testing] Bulat SA, et al. **Genetika** 1987 Mar;23(3):421–30 (Eng. Abstr.) **(Rus)**

[Characteristics of derivatives of the plasmid RP4 in a broad range of hosts with altered properties of maintenance and inheritance] Dobrovol'skiĭ P, et al. **Genetika** 1986 Nov; 22(11):2693–701 (Eng. Abstr.) **(Rus)**

[Plasmids. Properties and the use in genetic engineering. II. Packing in vitro. Lysogeny of Escherichia coli K-12] Fonshtein MIu, et al. **Genetika** 1986 Aug;22(8):2042–7 (Eng. Abstr.) **(Rus)**

[Phasmids. Properties and the use in genetic engineering. I. Construction of the phasmid vector] Fonshtein MIu, et al. **Genetika** 1986 Aug;22(8):2035–41 (Eng. Abstr.) **(Rus)**

[Plasmids and mobile genetic elements of pathogenic Yersinia bacteria] Gintsburg AL. **Genetika** 1987 Apr;23(4):581–95 (80 ref.) (Eng. Abstr.) **(Rus)**

[Plasmid vectors of "insertion inactivation" of the trimethoprim resistance marker] Gorovits RL, et al. **Genetika** 1987 Mar;23(3):397–404 (Eng. Abstr.) **(Rus)**

[Genetic study of plasmid integration into yeast chromosomes. IV. Integration of the plasmid pYF91 into different yeast chromosomes] Iarovoĭ BF, et al. **Genetika** 1987 Mar;23(3):431–9 (Eng. Abstr.) **(Rus)**

[Amplification of plasmid DNA inserted into the Bacillus subtilis chromosome] Khasanov FK, et al. **Genetika** 1987 Jan;23(1):14–20 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the organization of the NPL-1 plasmid controlling naphthalene oxidation in Pseudomonas putida and its derivatives] Kosheleva IA, et al. **Genetika** 1986 Oct;22(10):2389–97 (Eng. Abstr.) **(Rus)**

[Construction of plasmids integrating into the Bacillus subtilis chromosome through homologous recombination and their use as integration vectors] Nezametdinova VZ, et al. **Genetika** 1987 Mar;23(3):405–13 (Eng. Abstr.) **(Rus)**

[Molecular cloning and functional analysis of DNA regions of plasmid RP4 determining the incompatibility properties] Riabchenko LE, et al. **Genetika** 1986 Aug;22(8):2025–34 (Eng. Abstr.) **(Rus)**

[Nah-genes of Pseudomonas putida: molecular genetic analysis of the plasmid pBS286] Tsoĭ TV, et al. **Genetika** 1986 Nov;22(11):2702–12 (Eng. Abstr.) **(Rus)**

[Genome organization of the plasmid of IncQ/P4 group and its vector derivatives] Tsygankov IuD, et al. **Genetika** 1986 Nov;22(11):2606–19 (63 ref.) (Eng. Abstr.) **(Rus)**

[Kelthane degradation in the soil by a P. aeruginosa BS827 strain containing plasmid pBS3] Golovlëva LA, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep-Oct;(5):747–52 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of extrachromosomal DNA in cultures of Bacillus thuringiensis serotype H-14] Ambartsumian NS, et al. **Mikrobiologiia** 1987 Mar-Apr; 56(2):243–8 (Eng. Abstr.) **(Rus)**

[Plasmid vector for cloning, determination of nucleotide sequence and directed assembly of DNA fragments] Kravchenko VV, et al. **Mol Biol (Mosk)** 1987 Jan-Feb; 21(1):194–9 (Eng. Abstr.) **(Rus)**

[Isolation of recipient yeast strains for the stable reproduction of 2-micron DNA vectors] Nevzgliadova OV, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1273–80 (Eng. Abstr.) **(Rus)**

[Plasmid R1drd-19-mediated superoligomerization of the plasmid pACYC184in the recB mutant of Escherichia coli K12] Terent'ev MA, et al. **Mol Biol (Mosk)** 1986 Nov-Dec; 20(6):1631–7 (Eng. Abstr.) **(Rus)**

[Regulation of the replication of bacterial plasmids] Zverev VV, et al. **Mol Biol (Mosk)** 1987 Jan-Feb;21(1):5–22 (152 ref.) (Eng. Abstr.) **(Rus)**

[Isolation of a plasmid from actinomycin C-producing Streptomyces chrysomallus and its characteristics] Alekhova TA. **Mol Gen Mikrobiol Virusol** 1985 Aug; (8):26–9 (Eng. Abstr.) **(Rus)**

[Plasmid recombination stimulated by restriction endonuclease EcoRI in vivo: formation of recombinant plasmids in recA+-cells of E. coli] Aleshkin GI, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):15–21 (Eng. Abstr.) **(Rus)**

[Hybrid plasmid pBS251 containing genes for n-alkane degradation] Andreeva AI., et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):11–6 (Eng. Abstr.) **(Rus)**

[Comparative study of non-conjugative R-plasmids from enterobacteria and Pseudomonas aeruginosa] Anisimova LA, et al. **Mol Gen Mikrobiol Virusol** 1985 Jun;(6):24–8 (Eng. Abstr.) **(Rus)**

[The role of the gene umuC and plasmid muc genes in mutagenesis induced by dioxidine in E. coli K12] Bakal TS, et al. **Mol Gen Mikrobiol Virusol** 1985 Jun;(6):33–6 (Eng. Abstr.) **(Rus)**

[Plasmids of Azospirillum brasilense] Bakanchikova TI, et al. **Mol Gen Mikrobiol Virusol** 1985 Jan;(1):12–7 (Eng. Abstr.) **(Rus)**

[Vector plasmids and the strategy of molecular cloning for streptococci] Behnke D. **Mol Gen Mikrobiol Virusol** 1985 Feb;(2):29–30 (Eng. Abstr.) **(Rus)**

[Hybrid plasmid with bacterial and fungal markers carrying the denV gene of T4 phage and restoring the UV-resistance of E. coli uvrA] Bekker ML, et al. **Mol Gen Mikrobiol Virusol** 1985 Dec;(12):36–8 (Eng. Abstr.) **(Rus)**

[Detailed mapping of the Hly-region of the plasmid pHly241. Homology of the hemolysis determinants of plasmids pHly241 and pHly195] Berezkina NE, et al. **Mol Gen Mikrobiol Virusol** 1987 Mar;(3):3–6 (Eng. Abstr.) **(Rus)**

[Rapid method for analyzing the plasmid DNA of Bacillus cereus] Bukrinskiĭ MI, et al. **Mol Gen Mikrobiol Virusol** 1986 Sep;(9):22–4 (Eng. Abstr.) **(Rus)**

[Study of the 210-degree region of the Bacillus subtilis chromosome using recombinant plasmids] Chikindas ML, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb;(2):20–4 (Eng. Abstr.) **(Rus)**

[Migration of the IS5-like element in the plasmid R15] Dobritsa AP, et al. **Mol Gen Mikrobiol Virusol** 1986 Mar; (3):15–20 (Eng. Abstr.) **(Rus)**

[Plasmids of the cyanobacterium Synechocystis sp. 6803] Elanskaia IV, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug; (8):19–21 (Eng. Abstr.) **(Rus)**

[Recombinant plasmids capable of integration into the chromosome of the cyanobacterium Anacystis nidulans R2] Elanskaia IV, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov; (11):20–4 (Eng. Abstr.) **(Rus)**

[Identification of the plasmid pLG13 coding for the DNA modification-restriction system EcoRV and properties of strains carrying this plasmid] Glatman LI, et al. **Mol Gen Mikrobiol Virusol** 1985 Oct;(10):39–42 **(Rus)**

[Restriction map of pesticinogenicity plasmid pYP1 of Yersinia pestis] Goncharov EK, et al.

Mol Gen Mikrobiol Virusol 1986 Apr;(4):28–31 (Eng. Abstr.) **(Rus)**

[Mutagenic effect during transduction of (Gm–Km)R markers of the R323 plasmid in Yersinia pestis] Grebtsova NN, et al. **Mol Gen Mikrobiol Virusol** 1985 Mar;(3):22–7 (Eng. Abstr.) **(Rus)**

[Construction of recombinant plasmids encoding the biosynthesis of the beta-subunit of cholera toxin] Ianishevskiĭ NV, et al. **Mol Gen Mikrobiol Virusol** 1987 Apr;(4):26–32 (Eng. Abstr.) **(Rus)**

[Design of a recombinant plasmid allowing the selection of an optimal promotor for the human interferon alpha2 gene] Il'ichev AA, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul;(7):23–6 (Eng. Abstr.) **(Rus)**

[Lethal effect of formaldehyde on Escherichia coli strains carrying or lacking the plasmid pKM101] Kalashnikov NV. **Mol Gen Mikrobiol Virusol** 1986 May;(5):31–4 (Eng. Abstr.) **(Rus)**

[Functional characteristics of plasmids of Shigella sonnei 47 strains] Kariagina AS, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):16–21 (Eng. Abstr.) **(Rus)**

[The nature of typhimuricin--a substance produced by Salmonella typhimurium LT2 and relation of its synthesis to the cryptic plasmid] Khmel' IA, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb;(2):27–30 (Eng. Abstr.) **(Rus)**

[The role of outer membrane proteins of E. coli K12 in the cell wall permeability for plasmid DNA] Kim AA, et al. **Mol Gen Mikrobiol Virusol** 1985 Oct;(10):25–8 (Eng. Abstr.) **(Rus)**

[Recovery of activity of the gene coding for tetracycline resistance in the plasmin pBRS188] Kiselev VI, et al. **Mol Gen Mikrobiol Virusol** 1985 Feb;(2):14–7 (Eng. Abstr.) **(Rus)**

[Transcription, in frog oocytes and transgenic mice, of recombinant plasmids with long terminal repeats of retrovirus proviruses] Kosikov AI, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):21–6 (Eng. Abstr.) **(Rus)**

[Recombinant plasmids carrying multiple markers: isolation during yeast co-transformation] Kozhina TN, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):31–6 (Eng. Abstr.) **(Rus)**

[Plasmids of the pathogenicity of Yersinia pestis] Kutyrev VV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):3–11 (75 ref.) (Eng. Abstr.) **(Rus)**

[Effect of the pC194 plasmid on the development of Bacillus thuringiensis phages] Lugovskaia EV, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):22–5 (Eng. Abstr.) **(Rus)**

[Transformation of the yeast Hansenula polymorpha by a hybrid plasmid containing the fragment of host DNA] Makhina EN, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):28–31 (Eng. Abstr.) **(Rus)**

[Effect of transposon insertions on the system regulating the gene transfer functions of plasmid pAP42] Maksimenko LV, et al. **Mol Gen Mikrobiol Virusol** 1986 Sep;(9):43–6 (Eng. Abstr.) **(Rus)**

[Isolation of Escherichia coli K12 mutants with deficient in precise excision of transposons] Markov AP, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):7–13 (Eng. Abstr.) **(Rus)**

[Mobilization of the pACYC184 plasmid by hybrid pAS8–121 delta plasmids in Escherichia coli cells] Muronets EM, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb;(2):12–6 (Eng. Abstr.) **(Rus)**

[Variants of the plasmid pAS8 delta with increased frequency of integration into Rhodopseudomonas sphaeroides chromosome--the result of IS8-element duplication] Muronets EM, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):24–9 (Eng. Abstr.) **(Rus)**

[Transfer of prophage Mu into methylotrophic bacteria in the plasmid RP4] Naumov GN, et al. **Mol Gen Mikrobiol Virusol** 1985 Mar;(3):27–30 (Eng. Abstr.) **(Rus)**

[Purification of plasmid DNA by chromatographic methods] Naumov GN. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):44–7 (Eng. Abstr.) **(Rus)**

[Transposon-mediated integration of the RP1 plasmid into chromosomes of methylotrophic bacteria] Naumov GN, et al. **Mol Gen Mikrobiol Virusol** 1986 Nov;(11):44–8 (Eng. Abstr.) **(Rus)**

[In vitro synthesis of early gene proteins of phage mu cloned in the hybrid plasmid pRM18] Neumyvakin LV, et al. **Mol Gen Mikrobiol Virusol** 1986 Feb;(2):19–21 (Eng. Abstr.) **(Rus)**

[Identification of the plasmid R1drd-19 region complementing the mutant phenotype recB- in Escherichia coli K12 strain] Ovadis MI, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):16–20 (Eng. Abstr.) **(Rus)**

[Effect of deletions in the ori-Tc region of plasmid pBR322 on its compatibility with replicon pMB1] Ovechko NN, et al. **Mol Gen Mikrobiol Virusol** 1986 Sep;(9):12–6 (Eng. Abstr.) **(Rus)**

[Preservation of the beta-galactosidase activity in E. coli cells containing the recombinant pUC19 plasmid] Paton EB, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):19–22 (Eng. Abstr.) **(Rus)**

[Characteristics of the formation and properties of pLS plasmids resulting from deletions of bacteriophage lambda att80 (Tn9) genome] Pokrovskaia MS, et al. **Mol Gen Mikrobiol Virusol** 1986 Jan;(1):12–8 (Eng. Abstr.) **(Rus)**

[Structural-functional organization of R-plasmid pBS222 with a broad range of bacterial hosts] Polevoda BV, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):3–10 (Eng. Abstr.) **(Rus)**

[Increased transformation ability of Escherichia coli strains carrying the plasmid pLD4] Rudchenko ON. **Mol Gen Mikrobiol Virusol** 1985 May;(5):36–41 (Eng. Abstr.) **(Rus)**

[Construction and analysis of two-replicon hybrid plasmids containing the genome of simian papovavirus SV40] Sasina LK, et al. **Mol Gen Mikrobiol Virusol** 1986 Jan;(1):26–30 (Eng. Abstr.) **(Rus)**

[Various characteristics of Yersinia pseudotuberculosis determined by plasmid 45 Md associated with calcium dependence] Shubin FN, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):26–31 (Eng. Abstr.) **(Rus)**

[Conjugation transfer of the bireplicon plasmid pSPA044 into Rhizobiaceae bacteria] Stekhin IN, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):31–3 (Eng. Abstr.) **(Rus)**

[Characteristics of RecA-independent recombination of plasmids in E. coli cells producing restriction endonuclease EcoRI] Strikhanov SN, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):13–9 (Eng. Abstr.) **(Rus)**

[The plasmid containing a fragment of Rous sarcoma virus genome transforms mouse cells and is expressed in Escherichia coli] Tatosian AG, et al. **Mol Gen Mikrobiol Virusol** 1986 Jan;(1):18–22 (Eng. Abstr.) **(Rus)**

[Development of a system vector-host in methylotrophic bacteria] Tsygankov IuD, et al. **Mol Gen Mikrobiol Virusol** 1985 Feb;(2):3–14 (47 ref.) (Eng. Abstr.) **(Rus)**

[Localized mutagenesis of the tetracycline gene in the plasmid pBR322 induced by sodium bisulfite in vitro] Ugarov VI, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug;(8):21–6 (Eng. Abstr.) **(Rus)**

[Characteristics of expression of the tetracycline resistance gene from the plasmid pBR322 in Bacillus subtilis cells] Vasil'ev VV, et al. **Mol Gen Mikrobiol Virusol** 1986 May;(5):13–6 (Eng. Abstr.) **(Rus)**

[Excision of the plasmid containing the inserted human satellite DNA from Chinese hamster chromosomes after fusion of hamster and human cells] Vikhanskaia FL, et al. **Mol Gen Mikrobiol Virusol** 1987 Jun;(6):28–33 (Eng. Abstr.) **(Rus)**

[Properties of the plasmid pFT15/10-1 isolated from the vaccine strain of Francisella tularensis] Zakharenko VI, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):19–22 (Eng. Abstr.) **(Rus)**

[Effect of plasmid R245 on induced mutagenesis in Yersinia pestis EV76] Zarenkov MI, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul;(7):15–9 (Eng. Abstr.) **(Rus)**

[Mobilization of plasmid determinants of Yersinia pestis using the plasmid pKA7] Zarenkov MI, et al. **Mol Gen Mikrobiol Virusol** 1986 May;(5):16–20 (Eng. Abstr.) **(Rus)**

[Isolation of Yersinia pestis plasmids with transposon markers] Zarenkov MI, et al. **Mol Gen Mikrobiol Virusol** 1985 Oct;(10):20–5 (Eng. Abstr.) **(Rus)**

[Molecular-genetic organization of plasmid R89S of the incompatibility group Q] Zinchenko VV, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):10–5 (Eng. Abstr.) **(Rus)**

[Analysis of plasmids in Rhizobium meliloti strains of different geographical origin] Zlotnikov KM, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug;(8):13–5 (Eng. Abstr.) **(Rus)**

[Nucleotide sequence of the replicative region of the plasmid ColA-CA31] Zverev VV, et al. **Mol Gen Mikrobiol Virusol** 1985 Jul;(7):18–24 (Eng. Abstr.) **(Rus)**

[Characteristics of replication of small colicinogenic plasmids] Zverev VV, et al. **Mol Gen Mikrobiol Virusol** 1985 Mar;(3):15–9 (Eng. Abstr.) **(Rus)**

[Survival and repair of single-stranded DNA breaks after gamma-irradiation of Escherichia coli cells depending on the presence of plasmids pKN101 and COIIB-P9] Zhestianikov VD, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):454–9 (Eng. Abstr.) **(Rus)**

[Transformation of bone marrow cells in rodents by recombinant plasmid pBRSV] Kazakova TB, et al. **Tsitologiia** 1986 Dec;28(12):1345–50 (Eng. Abstr.) **(Rus)**

[Postreplication DNA repair in Escherichia coli cells. III. Repair independent of the presence of pKM101 and COLIb-P9 plasmids] Zhestianikov VD, et al. **Tsitologiia** 1987 Jun;29(6):695–705 (Eng. Abstr.) **(Rus)**

[Biological properties of plasmid-free strains of Salmonella typhimurium and S. dublin] Iakovleva ON, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):6–11 (Eng. Abstr.) **(Rus)**

[Use of the plasmid profile in the study of epidemic digestive toxic infections] Čobeljić M, et al. **Vojnosanit Pregl** 1986 Sep-Oct;43(5):335–9 (Eng. Abstr.) **(Scr)**

[Cell transformation with the plasmid pBR-SV40: isolation and characterization] Barrón Romero BL, et al. **Rev Latinoam Microbiol** 1986 Oct-Dec;28(4):373–9 (Eng. Abstr.) **(Spa)**

[Bacillus thuringiensis plasmids] Cakmakçi L. **Mikrobiyol Bul** 1986 Jul;20(3):200–5 (Eng. Abstr.) **(Tur)**

DRUG EFFECTS

The effects of cannabispiro compounds and tetrahydrocannabidiolic acid on the plasmid transfer and maintenance in Escherichia coli. Molnár J, et al. **Acta Microbiol Hung** 1986;33(3):221–31

Action of citrinin on bacterial chromosomal and plasmid DNA in vivo and in vitro. Martin W, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1273–9

DAPI–pUC8 complex: a tool to investigate biological effects of nucleic acid–drug interaction. Palu G, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):40–5

Gossypol mediated DNA degradation. Srivastava AK, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1515–22

Measurement of interstrand cross-link frequency and distance between interruptions in DNA exposed to 4,5',8-trimethylpsoralen and near-ultraviolet light. Matsuo N, et al. **Biochemistry** 1987 Apr 7;26(7):2001–9

Mitomycin C-induced bidirectional transcription from the colicin E1 promoter region in plasmid ColE1. Parker RC. **Biochim Biophys Acta** 1986 Oct 16;868(1):39–44

Evaluation of plasmids in tetracycline resistant strains of Neisseria gonorrhoeae and Ureaplasma urealyticum in a case of severe urethritis. Jahn G, et al. **Eur J Epidemiol** 1985 Dec;1(4):294–300

Transient expression of the plasmid pCaMVCAT in plant protoplasts following transformation with polyethyleneglycol. Ballas N, et al. **Exp Cell Res** 1987 May;170(1):228–34

Loss of transforming activity of plasmid DNA (pBR322) in E. coli caused by singlet molecular oxygen. Wefers H, et al. **FEBS Lett** 1987 Jan 19;211(1):49–52

Failure to detect a DNA repair-related defect in the transfection of ataxia-telangiectasia cells by enzymatically restricted plasmid. Green MH, et al. **Int J Radiat Biol** 1987 Sep;52(3):437–46

Elimination of plasmids from Enterobacteriaceae by 4-quinolone derivatives. Michel-Briand Y, et al. **J Antimicrob Chemother** 1986 Dec;18(6):667–74

Elimination of plasmids by enoxacin and ofloxacin at near inhibitory concentrations. Weisser J, et al. **J Antimicrob Chemother** 1986 Nov;18(5):575–83

Lethal and mutagenic effects of 8-methoxypsoralen-induced lesions on plasmid DNA. Paramio JM, et al. **Mutat Res** 1987 Jan;176(1):21–8

Repair of plasmid DNA damaged in vitro with cis- or trans-diamminedichloroplatinum(II) in Escherichia coli. Popoff SC, et al. **Mutat Res** 1987 Mar;183(2):129–37

Aflatoxin B1 activation to a plasmid mutagen by a chemical model of cytochrome P-450. Wood ML, et al. **Mutat Res** 1987 Jan;176(1):11–20

Incidence of pGS01 and pGS04 type sulphonamide resistance genes among clinical isolates collected from hospitals in Sri Lanka. Vinayagamoorthy T, et al. **Singapore Med J** 1986 Aug;27(4):312–6

RADIATION EFFECTS

Reciprocal and non-reciprocal homologous recombination between Escherichia coli chromosomal DNA and ultraviolet light-irradiated plasmid DNA. Mudgett JS, et al. **Gene** 1986;49(2):235–44

Determination of G-values for single and double strand break induction in plasmid DNA using agarose gel electrophoresis and a curve-fitting procedure. Hempel K, et al. **Int J Radiat Biol** 1987 Jul;52(1):125–38

Mutational DNA base sequence changes in plasmid damaged at a specific region by ultraviolet light. Takimoto K. **J Radiat Res (Tokyo)** 1986 Sep;27(3):310–4

Sequence specificity of point mutations induced during passage of a UV-irradiated shuttle vector plasmid in monkey cells. Hauser J, et al. **Mol Cell Biol** 1986 Jan;6(1):277–85

Repair of UV-irradiated plasmid DNA in Saccharomyces cerevisiae. Inability to complement mutational defects in excision repair by in vitro treatment with Micrococcus luteus UV endonuclease. White CI, et al. **Mutat Res** 1987 Mar;183(2):161–7

Microwave absorption in aqueous solutions of DNA. Gabriel C, et al. **Nature** 1987 Jul 9–15;328(6126):145–6

Utilization of DNA photolyase, pyrimidine dimer endonucleases, and alkali hydrolysis in the analysis of aberrant ABC excinuclease incisions adjacent to UV-induced DNA photoproducts. Myles GM, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1227–43

Quantitation of DNA damage in non-radioactive DNA. Sutherland BM, et al. **Photochem Photobiol** 1986 Sep;44(3):391–6

Expression of prokaryotic genes after transfection of X-irradiated plasmids into primate cells. Piazza L, et al. **Radiat Res** 1987 Aug;111(2):254–66

Microwave effects on plasmid DNA. Sagripanti JL, et al. **Radiat Res** 1987 May;110(2):219–31

PLASMIN see **FIBRINOLYSIN**

PLASMINOGEN

Kringle 4 from human plasminogen: a proton magnetic resonance study via two-dimensional photochemically induced dynamic nuclear polarization spectroscopy. De Marco A, et al. **Biochemistry** 1986 Dec 2;25(24):7918-23

Characterization of the low-field proton magnetic resonance spectrum of plasminogen kringle 4 via selective Overhauser experiments in 1H2O. Motta A, et al. **Biochemistry** 1986 Dec 2;25(24):7924-31

The similarities and differences in structures between kringle 1 of prothrombin and kringle 4 of plasminogen. Williams RJ, et al. **FEBS Lett** 1986 Dec 1;209(1):111-6

Proton magnetic resonance study of kringle 1 from human plasminogen. Insights into the domain structure. Motta A, et al. **J Biol Chem** 1986 Oct 15;261(29):13684-92

Partial amino acid sequence of apolipoprotein(a) shows that it is homologous to plasminogen. Eaton DL, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3224-8

ADMINISTRATION & DOSAGE

High-dose systemic streptokinase and acylated streptokinase-plasminogen complex (BRL 26921) in acute myocardial infarction: alterations of the fibrinolytic system and clearance of fibrinolytic activity. Köhler M, et al. **Haemostasis** 1987;17(1-2):32-9

ANALYSIS

Septic shock in the rat: activation of plasma proteolytic systems and effects of a kallikrein inhibitor/bradykinin antagonist (S-2441). Högström H, et al. **Acta Chir Scand** 1987 Mar;153(3):161-4

Plasma prekallikrein, functional kallikrein inhibition, antithrombin III, plasminogen, kallikrein activity and proenzyme functional inhibition index in 172 acute ill surgical patients on admission. Viksmoen L, et al. **Adv Exp Med Biol** 1986;198 Pt B:451-61

Diagnostic efficacy of six plasma proteins in evaluating consumptive coagulopathies. Use of receiver operating characteristic curves to compare antithrombin III, plasminogen, alpha 2-plasmin inhibitor, fibronectin, prothrombin, and protein C. Cembrowski GS, et al. **Arch Intern Med** 1986 Oct;146(10):1997-2002

The aromatic 1H-NMR spectrum of plasminogen kringle 4. A comparative study of human, porcine and bovine homologs. Ramesh V, et al. **Eur J Biochem** 1986 Sep 15; 159(3):581-95

Plasminogen in peritoneal fluid: a possible nonsteroidal indicator of ovulation. Padilla SL, et al. **Fertil Steril** 1986 Dec;46(6):1071-6

The plasmin system in human adenocarcinomas and their metastases. A comparative immunofluorescence study. Burtin P, et al. **Int J Cancer** 1987 Feb 15;39(2):170-8

Effect of subclinical mastitis on milk plasminogen and plasmin compared with that on sodium, antitrypsin and N-acetyl-beta-D-glucosaminidase. Schaar J, et al. **J Dairy Res** 1986 Nov;53(4):515-28

Uncontrolled plasma proteolysis: a major threat to the septicemic patient. Aasen AO, et al. **Resuscitation** 1986 Sep; 14(1-2):33-42

Assay of plasminogen (Plg) and alpha 2-antiplasmin (APL) in septic patients. Kordich L, et al. **Thromb Res** 1986 Dec 15;44(6):899-900

Mini-plasminogen-like fragments of plasminogen in synovial fluid in acute inflammatory arthritis. Moroz LA, et al. **Thromb Res** 1986 Aug 15;43(4):417-24

ANTAGONISTS & INHIBITORS

Production of plasminogen activators and inhibitor by serially propagated endothelial cells from adult human blood vessels. van Hinsbergh VW, et al. **Arteriosclerosis** 1987 Jul-Aug;7(4):389-400

Plasminogen activators and inhibitors: roles in muscle and neuromuscular regeneration. Festoff BW, et al. **Prog Brain Res** 1987;71:423-31

DEFICIENCY

Plasminogen deficiency and thrombosis after plasmapheresis therapy for multiple sclerosis [letter] Smith CD, et al. **Neurology** 1986 Oct;36(10):1410-1

[A case of combined abnormalities with plasminogen abnormality, type IIA von Willebrand disease, hypofibrinogenemia and hemolysis] Shinmyozu K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):725-32 (Eng. Abstr.) **(Jpn)**

[A case of incomplete vasculo-Behçet's disease associated with hereditary abnormal plasminogenemia] Tabuchi M, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec; 75(12):1799-804 **(Jpn)**

[Abnormal plasminogen and thrombosis] Sakata Y. **Rinsho Byori** 1987 May;35(5):497-504 **(Jpn)**

GENETICS

Linkage disequilibrium of plasminogen polymorphisms and assignment of the gene to human chromosome 6q26-6q27. Murray JC, et al. **Am J Hum Genet** 1987 Apr;40(4):338-50

Molecular cloning and characterization of a full-length cDNA clone for human plasminogen. Forsgren M, et al. **FEBS Lett** 1987 Mar 23;213(2):254-60

The plasminogen polymorphism in South African Negro populations: genetics and anthropogenetics. Hitzeroth HW, et al. **Hum Genet** 1986 Dec;74(4):341-5

Human plasminogen polymorphism in Japanese: a new variant and relative activities of plasminogen among phenotypes. Yamaguchi M, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):277-81

Proposal for the nomenclature of human plasminogen (PLG) polymorphism. Skoda U, et al. **Vox Sang** 1986;51(3):244-8

The polymorphism of plasminogen (PLG) by ultrathin-layer isoelectric focusing. Distribution in the Veneto population (Italy). Cortivo P, et al. **Z Rechtsmed** 1986;96(4):275-8

IMMUNOLOGY

Monoclonal antibodies against plasminogen and alpha-2-antiplasmin: binding to native and modified antigens. Hattey E, et al. **Thromb Res** 1987 Mar 1; 45(5):485-95

ISOLATION & PURIFICATION

Isolation, purification and 1H-NMR characterization of a kringle 5 domain fragment from human plasminogen. Thewes T, et al. **Biochim Biophys Acta** 1987 Apr 8; 912(2):254-69

[Abnormal plasminogen] Kazama M. **Rinsho Byori** 1987 Apr; Spec No 70:202-9 (19 ref.) **(Jpn)**

METABOLISM

Topography of the high-affinity lysine binding site of plasminogen as defined with a specific antibody probe. Miles LA, et al. **Biochemistry** 1986 Nov 4;25(22):6926-33

Comparative kinetic analysis of the activation of human plasminogen by natural and recombinant single-chain urokinase-type plasminogen activator. Lijnen HR, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):402-8

Activation of plasminogen by the early bovine embryo. Menino AR Jr, et al. **Biol Reprod** 1987 Jun;36(5):1289-95

Protein S is a cofactor for activated protein C neutralization of an inhibitor of plasminogen activation released from platelets. D'Angelo A, et al. **Blood** 1987 Jan;69(1):231-7

Activation of plasminogen by single-chain urokinase or by two-chain urokinase--a demonstration that single-chain urokinase has a low catalytic activity (pro-urokinase). Pannell R, et al. **Blood** 1987 Jan;69(1):22-6

Analysis of ligand-binding to the kringle 4 fragment from human plasminogen. De Marco A, et al. **Eur Biophys J** 1987;14(6):359-68

Effect of the cyanogen-bromide-2 fragment of fibrinogen on plasminogen activation by single-chain urokinase-type plasminogen activator. Kirchheimer JC, et al. **Eur J Biochem** 1987 Jul 15;166(2):393-7

High-affinity binding sites for human Glu-plasminogen unveiled by limited plasmic degradation of human fibrin. Tran-Thang C, et al. **Eur J Biochem** 1986 Nov 3; 160(3):599-604

Plasminogen activator inhibitor type-1: reactive center and amino-terminal heterogeneity determined by protein and cDNA sequencing. Andreasen PA, et al. **FEBS Lett** 1986 Dec 15;209(2):213-8

Nonenzymatic glucosylation as a contributing factor to defective fibrinolysis in diabetes mellitus. Geiger M, et al. **Haemostasis** 1986;16(6):439-46

The temperature-dependent reaction between alpha 2-macroglobulin and streptokinase-plasmin(ogen) complex. Rajagopalan S, et al. **J Biol Chem** 1987 Mar 15; 262(8):3660-4

The plasminogen system and cell surfaces: evidence for plasminogen and urokinase receptors on the same cell type. Plow EF, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2411-20

The reciprocal effects of epsilon-aminohexanoic acid and chloride ion on the activation of human [Glu1]plasminogen by human urokinase. Urano T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4031-4

Differences in the activation rates of plasminogen by tissue plasminogen activator and urokinase. Takada A, et al. **Thromb Res** 1987 Feb 15;45(4):371-81

Kinetic analyses of the activation of Glu-plasminogen by urokinase in the presence of fibrin, fibrinogen or its degradation products. Watahiki Y, et al. **Thromb Res** 1987 Apr 1;46(1):9-18

[Kinetic characteristics of the activation of various structural forms of plasminogen by tissue activator in the presence of fibrin] Taran LD, et al. **Biokhimiia** 1986 Aug; 51(8):1256-61 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The acyl-enzymes and pro-urokinase: promising new thrombolytic agents. Samama M, et al. **Haemostasis** 1986; 16 Suppl 3:33-7 (29 ref.)

[T-PA and APSAC, new fibrinolytics] **Med Monatsschr Pharm** 1986 Nov;9(11):326-7 **(Ger)**

PHYSIOLOGY

[Molecular structures and functions of coagulation and fibrinolytic factors] Suzuki K, et al. **Rinsho Byori** 1987 Apr; Spec No 70:13-42 **(Jpn)**

[Effect of endogenous fibrinolysis activation on human plasminogen] Platonova TK, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):59-61 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Initial experience with a new fibrinolytic agent (APSAC) in patients with major pulmonary embolism. Bett JH, et al. **Aust NZ J Med** 1987 Feb;17(1):77-9

Treatment of acute myocardial infarction with anisoylated plasminogen streptokinase activator complex. Ikram S, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):786-9

Is a combination of urokinase and Lys-plasminogen by regional infusion indicated in ischaemia due to popliteal or infra-popliteal thrombosis? Giraud C, et al. **Haemostasis** 1986;16 Suppl 3:79-82

Anisoylated plasminogen streptokinase activator complex in acute myocardial infarction: a placebo-controlled arteriographic coronary recanalization study. Timmis AD, et al. **J Am Coll Cardiol** 1987 Jul;10(1):205-10

Acyl enzymes for thrombolytic therapy. Walker ID, et al. **Semin Thromb Hemost** 1987 Apr;13(2):139-45 (46 ref.)

[Is it permissible to use the combination urokinase-plasminogen by local administration in ischemias caused by popliteal or sub-popliteal thrombosis?] Giraud C, et al. **Haemostasis** 1986;16 Suppl 4:83-6 **(Fre)**

[Acyl enzymes and pro-urokinase: promising new thrombolytic agents] Samama M, et al. **Haemostasis** 1986; 16 Suppl 4:35-9 **(Fre)**

[Home thrombolysis in the acute stage of myocardial infarction (letter)] Herve C, et al. **Presse Med** 1987 Apr 18;16(14):682-3 **(Fre)**

[Bolus injection of anisoylated plasminogen-streptokinase activator complex (BRL 26921) as an alternative concept of systemic lysis in acute myocardial infarct] Doenecke P, et al. **Klin Wochenschr** 1986 Aug 1;64(15):682-7 (Eng. Abstr.) **(Ger)**

PLASMINOGEN ACTIVATOR, TISSUE-TYPE

Production of tissue plasminogen activators from animal cells. Griffiths JB, et al. **Adv Biochem Eng Biotechnol** 1987; 34:147-66 (120 ref.)

Plasminogen activator inhibitor type-1: reactive center and amino-terminal heterogeneity determined by protein and cDNA sequencing. Andreasen PA, et al. **FEBS Lett** 1986 Dec 15;209(2):213-8

Genentech falls at the last fence in race to market heart drug [news] Anderson A. **Nature** 1987 Jun 11-17;327(6122):450

US patents in the balance [news] Ezzell C. **Nature** 1987 Jul 16-22;328(6127):189

TPA patent battle rages in United Kingdom [news] Johnston K. **Nature** 1987 Jun 11-17;327(6122):450

TPA patent battle continues in court [news] Johnston K. **Nature** 1987 Jun 18-24;327(6123):546

Wellcome versus Genentech result [news] Johnston K. **Nature** 1987 Jul 16-22;328(6127):189

Companies vie over new heart drug [news] Sun M. **Science** 1987 Jul 10;237(4811):120-2

Ruling on heart drug may boost research. Sun M. **Science** 1987 Jul 17;237(4812):244

[Tissue plasminogen activator] Matsuda T. **Kokyu To Junkan** 1987 Jun;35(6):592-7 (25 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

The effect of intravenous thrombolytic therapy on left ventricular function: a report on tissue-type plasminogen activator and streptokinase from the Thrombolysis in Myocardial Infarction (TIMI Phase I) trial. Sheehan FH, et al. **Circulation** 1987 Apr;75(4):817-29

Intramuscular administration of human tissue-type plasminogen activator in rabbits and dogs and its implications for coronary thrombolysis. Sobel BE, et al. **Circulation** 1987 Jun;75(6):1261-72

A randomized trial of immediate versus delayed elective angioplasty after intravenous tissue plasminogen activator in acute myocardial infarction. Topol EJ, et al. **N Engl J Med** 1987 Sep 3;317(10):581-8

Thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses. Risius B, et al. **Radiology** 1987 Aug;164(2):465-8

Optimal dosage regimens of tissue-type plasminogen activator. Agnelli G, et al. **Semin Thromb Hemost** 1987 Apr;13(2):160-2

Sustained fibrinolysis after administration of t-PA despite its short half-life in the circulation. Eisenberg PR, et al. **Thromb Haemost** 1987 Feb 3;57(1):35-40

ADVERSE EFFECTS

A kinetic analysis of fibrinogenolysis during plasminogen activator therapy. Noe DA, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):297-303

Genentech experience with rt-PA (activase) [letter] Grossbard EB. **J Am Coll Cardiol** 1987 Feb;9(2):467

ANALYSIS

A highly sensitive chromogenic microtiter plate assay for plasminogen activators which quantitatively discriminates between the urokinase and tissue-type activators. Karlan BY, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):147-54

Plasminogen activators in human colorectal neoplasia. Gelister JS, et al. **Br Med J [Clin Res]** 1986 Sep 20; 293(6549):728-31

Tissue-type plasminogen activator in rat adrenal medulla. Kristensen P, et al. **Histochemistry** 1986;85(5):431-6

Tissue plasminogen activator in the trabecular endothelium. Park JK, et al. **Invest Ophthalmol Vis Sci** 1987 Aug; 28(8):1341-5

Immunohistochemical localization of urokinase- and tissue-type plasminogen activators in psoriatic skin. Grøn Jahl-Hansen J, et al. **J Invest Dermatol** 1987 Jan; 88(1):28-32

Correlation of tumor plasminogen activator with peritumoral cerebral edema. A CT and biochemical study. Quindlen EA, et al. **J Neurosurg** 1987 May;66(5):729-33

A monoclonal antibody that does not recognize tissue-type plasminogen activator bound to its naturally occurring inhibitor. Schleef RR, et al. **Thromb Haemost** 1986 Dec 15;56(3):328-32

[Tissue-type plasminogen activator (t-PA)] Sueishi K, et al. **Rinsho Byori** 1987 Apr;Spec No 70:217-23 (18 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Plasminogen activator inhibitor: a regulator of ancrod-induced fibrin deposition in rabbits. Krishnamurti C, et al. **Blood** 1987 Mar;69(3):798-803

Increased concentration of the fast-acting plasminogen activator inhibitor in plasma associated with familial venous thrombosis. Jørgensen M, et al. **Br J Haematol** 1987 Feb; 65(2):175-80

Plasma tissue plasminogen activator inhibitor levels in coronary artery disease: correlation with age and serum triglyceride concentrations. Mehta J, et al. **J Am Coll Cardiol** 1987 Feb;9(2):263-8

An inhibitor of plasminogen activation from human placenta. Purification and characterization. Wun TC, et al. **J Biol Chem** 1987 Mar 15;262(8):3646-53

Association between postoperative hyper-response in t-PA inhibition and deep vein thrombosis [letter] Kluft C, et al. **Thromb Haemost** 1986 Aug 20;56(1):107

Elevated levels of the rapid inhibitor of plasminogen activator (t-PAI) in acute myocardial infarction. Almér LO, et al. **Thromb Res** 1987 Aug 1;47(3):335-9

The inactivation of one- and two-chain forms of tissue plasminogen activator by a series of peptidyl chloromethyl ketones. Green GD. **Thromb Res** 1986 Oct 15;44(2):175-83

Poly-D-lysine dependent inactivation of tissue plasminogen activator by a class PAI-2 inhibitor (minactivin). Leung KC, et al. **Thromb Res** 1987 Jun 15;46(6):767-77

[Effect of synthetic and natural inhibitors on the activity of tissue activator from the swine heart in vitro] Andreenko GV, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):45-7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Interleukin 1 preferentially stimulates the production of tissue-type plasminogen activator by human articular chondrocytes. Bunning RA, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):473-82

Cultivation of Bowes melanoma cells in the Opticell system: influence of the addition of protein supplements to the serum-free medium on the production of plasminogen activator. Bödeker BG, et al. **Dev Biol Stand** 1987;66:291-7

Amplification of tissue plasminogen activator expression from epithelial cell lines. Griffiths JB, et al. **Dev Biol Stand** 1987; 66:417-22

Appearance of plasminogen activator activity during a synchronous cycle of a rat adenocarcinoma cell line, PA-III. Scott FM, et al. **Exp Cell Res** 1987 Mar; 169(1):39-46

Monovalent cation dependence of tissue plasminogen activator synthesis by HeLa cells. Crutchley DJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3017-21

Mouse ovarian granulosa cells produce urokinase-type plasminogen activator, whereas the corresponding rat cells produce tissue-type plasminogen activator. Canipari R, et al. **J Cell Biol** 1987 Aug;105(2):977-81

Purification from a human hepatoma cell line of a basic fibroblast growth factor-like molecule that stimulates capillary endothelial cell plasminogen activator production, DNA synthesis, and migration. Presta M, et al. **Mol Cell Biol** 1986 Nov;6(11):4060-6

Cross-examination ends in TPA patent case [news] Newmark P. **Nature** 1987 Jun 25-Jul 1;327(6124):650

Release of both urokinase and tissue plasminogen activator from veins in vitro. Kjaeldgaard A, et al. **Thromb Res** 1986 Dec 15;44(6):729-37

[Screening of human and animal tissue cell cultures as potential producers of plasminogen activator] Kapina MA, et al. **Antibiot Med Biotekhnol** 1986 Oct;31(10):756-60 (Eng. Abstr.) **(Rus)**

BLOOD

The role of the fibrinolytic system in thrombotic disease. Wiman B. **Acta Med Scand [Suppl]** 1987;715:169-71

Defective release of tissue plasminogen activator in systemic and cutaneous vasculitis. Jordan JM, et al. **Am J Med** 1987 Mar;82(3):397-400

Coagulation and fibrinolysis in chronic renal failure. Change in tissue-type plasminogen activator activity. Nishimoto K, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):478-81

Measurement of free, one-chain tissue-type plasminogen activator in human plasma with an enzyme-linked immunosorbent assay based on an active site-specific murine monoclonal antibody. Holvoet P, et al. **Blood** 1987 Jan;69(1):284-9

Indicators of depressed fibrinolytic activity in pre-operative prediction of deep venous thrombosis. Sue-Ling HM, et al. **Br J Surg** 1987 Apr;74(4):275-8

Age dependence of tissue plasminogen activator concentrations in plasma, as studied by an improved enzyme-linked immunosorbent assay. Rånby M, et al. **Clin Chem** 1986 Dec;32(12):2160-5

Endogenous plasminogen activator and venous flow: therapeutic implications. Guyton DP, et al. **Crit Care Med** 1987 Feb;15(2):122-5

Evaluation of fibrinolytic capacity by a combined assay system for tissue-type plasminogen activator antigen and function using monoclonal anti-tissue-type plasminogen activator antibodies. Wojta J, et al. **J Lab Clin Med** 1987 Jun;109(6):665-71

A selective depression of tissue plasminogen activator (t-PA) activity in euglobulins characterises a risk group among survivors of acute myocardial infarction. Gram J, et al. **Thromb Haemost** 1987 Apr 7;57(2):137-9

A sensitive solid-phase immunosorbent assay for tissue-type plasminogen activator activity in plasma using trinitrobenzoylated poly-D-lysine as a stimulator for plasminogen activation. Petersen LC, et al. **Thromb Haemost** 1987 Apr 7;57(2):205-11

Measurement of tissue plasminogen activator in plasma. A comparison of 3 methods and description of a new improved technique. Eriksson E, et al. **Thromb Res** 1987 Apr 15;46(2):213-23

Relationship between age and plasma t-PA, PA-inhibitor, and PA activity. Hashimoto Y, et al. **Thromb Res** 1987 Jun 1;46(5):625-33

DEFICIENCY

Deficient t-PA release and elevated PA inhibitor levels in patients with spontaneous or recurrent deep venous thrombosis. Juhan-Vague I, et al. **Thromb Haemost** 1987 Feb 3;57(1):67-72

GENETICS

Functional role of proteolytic cleavage at arginine-275 of human tissue plasminogen activator as assessed by site-directed mutagenesis. Tate KM, et al. **Biochemistry** 1987 Jan 27;26(2):338-43

Characterization studies of human tissue-type plasminogen activator produced by recombinant DNA technology. Vehar GA, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:551-62

Involvement of finger domain and kringle 2 domain of tissue-type plasminogen activator in fibrin binding and stimulation of activity by fibrin. Verheijen JH, et al. **EMBO J** 1986 Dec 20;5(13):3525-30

Characterization of a recombinant fusion protein of the finger domain of tissue-type plasminogen activator with a truncated single chain urokinase-type plasminogen activator. Gheysen D, et al. **J Biol Chem** 1987 Aug 25; 262(24):11779-84

Characterization of a fusion protein consisting of amino acids 1 to 263 of tissue-type plasminogen activator and amino acids 144 to 411 of urokinase-type plasminogen activator. Nelles L, et al. **J Biol Chem** 1987 Aug 5;262(22):10855-62

Expression of human tissue-type plasminogen activator from lytic viral vectors and in established cell lines. Sambrook J, et al. **Mol Biol Med** 1986 Dec;3(6):459-81

IMMUNOLOGY

Immunoradiometric quantitation of tissue plasminogen activator-related antigen in human plasma: crypticity phenomenon and relationship to plasma fibrinolysis. Wun TC, et al. **Blood** 1987 May;69(5):1348-53

Mapping of epitopes on human tissue-type plasminogen activator with recombinant deletion mutant proteins. van Zonneveld AJ, et al. **Thromb Haemost** 1987 Feb 3; 57(1):82-6

Monoclonal antibodies directed against human tissue-type plasminogen activator: a characterization of their species specificity, affinity and heavy-chain binding. Cajot JF, et al. **Thromb Res** 1987 Apr 1;46(1):141-52

A monoclonal antibody which prevents reductions in assayed fibrinogen and alpha 2 antiplasmin in plasma samples containing therapeutic concentrations of tissue plasminogen activator (t-PA). MacGregor IR, et al. **Thromb Res** 1986 Oct 15;44(2):241-5

ISOLATION & PURIFICATION

Large scale, rapid purification of recombinant tissue-type plasminogen activator. Dodd I, et al. **FEBS Lett** 1986 Dec 1;209(1):13-7

Purification and characterization of a novel low molecular weight form of single-chain urokinase-type plasminogen activator. Stump DC, et al. **J Biol Chem** 1986 Dec 25; 261(36):17120-6

High-performance chromatographic method for the purification of tissue-type plasminogen activator. Matsuo O, et al. **J Chromatogr** 1986 Nov 21;369(2):391-7

Rapid and high-yield purification of porcine heart tissue-type plasminogen activator by heparin-sepharose choromatography. Soeda S, et al. **Life Sci** 1986 Oct 13; 39(15):1317-24

Some chemical properties of tissue plasminogen activator purified from paranasal mucous membrane. Kosugi T, et al. **Rhinology** 1987 Jun;25(2):129-32

METABOLISM

Tissue plasminogen activator activity and inhibition in acute myocardial infarction and angiographically normal coronary arteries. Verheugt FW, et al. **Am J Cardiol** 1987 May 1;59(12):1075-9

Interleukin-1 beta and interleukin-1 alpha stimulate the plasminogen activator activity and prostaglandin E2 levels of human synovial cells. Leizer T, et al. **Arthritis Rheum** 1987 May;30(5):562-6

Some properties of tissue-type plasminogen activator reconstituted onto phospholipid and/or glycolipid vesicles. Soeda S, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):94-100

Clearance of the heavy and light polypeptide chains of human tissue-type plasminogen activator in rats. Rijken DC, et al. **Biochem J** 1986 Sep 15;238(3):643-6

An active-site titrant for human tissue-type plasminogen activator. Smith RA. **Biochem J** 1986 Oct 15;239(2):477-9

Tissue-type plasminogen activator and urokinase: differences in the reaction pattern with the active-site titrant 4-methylumbelliferyl-p-guanidinobenzoate hydrochloride. Geiger M, et al. **Biochim Biophys Acta** 1987 Mar 18; 912(1):34-40

Plasminogen activator activity in cumulus-oocyte complexes of gonadotropin-treated rats during the periovulatory period. Liu YX, et al. **Biol Reprod** 1987 May;36(4):1055-62

Relationship between circulating plasminogen activators and tumor development in mice. Colombi M, et al. **Cancer Res** 1986 Nov;46(11):5748-53

Identification and regulation of tissue plasminogen activator activity in rat cumulus-oocyte complexes. Liu YX, et al. **Endocrinology** 1986 Oct;119(4):1578-87

Tissue plasminogen activator in avascular tissues of the eye: a quantitative study of its activity in the cornea, lens, and aqueous and vitreous humors of dog, calf, and monkey. Geanon JD, et al. **Exp Eye Res** 1987 Jan;44(1):55-63

Plasminogen activator content of gynecological tumors and their metastases. Camiolo SM, et al. **Gynecol Oncol** 1987 Mar;26(3):364-73

Cellular catabolism of recombinant tissue-type plasminogen activator. Identification and characterization of a novel high affinity uptake system on rat hepatocytes. Bakhit C, et al. **J Biol Chem** 1987 Jun 25;262(18):8716-20

Regulation of tissue-type plasminogen activator activity and messenger RNA levels by gonadotropin-releasing hormone in cultured rat granulosa cells and cumulus-oocyte complexes. Ny T, et al. **J Biol Chem** 1987 Aug 25; 262(24):11790-3

On the interaction of the finger and the kringle-2 domain of tissue-type plasminogen activator with fibrin. Inhibition of kringle-2 binding to fibrin by epsilon-amino caproic acid. van Zonneveld AJ, et al. **J Biol Chem** 1986 Oct 25; 261(30):14214-8

The opposing effects of basic fibroblast growth factor and transforming growth factor beta on the regulation of plasminogen activator activity in capillary endothelial cells. Saksela O, et al. **J Cell Biol** 1987 Aug;105(2):957-63

In vitro stimulation of plasminogen activator release from vein walls by adrenaline. Kjaeldgaard A, et al. **J Clin Pathol** 1986 Nov;39(11):1241-4

Absence of synergism between tissue-type plasminogen activator (t-PA), single-chain urokinase-type plasminogen activator (scu-PA) and urokinase on clot lysis in a plasma milieu in vitro. Collen D, et al. **Thromb Haemost** 1986 Aug 20;56(1):35-9

Bioavailability in rats of human recombinant tissue plasminogen activator after subcutaneous and intramuscular injection. Garcia Frade LJ, et al. **Thromb Haemost** 1986 Dec 15;56(3):299-301

Binding of tissue plasminogen activator to human umbilical vein endothelial cells. Beebe DP. **Thromb Res** 1987 Apr 15;46(2):241-54

Turnover of human tissue plasminogen activator (tPA) in rabbits. Beebe DP, et al. **Thromb Res** 1986 Sep 15; 43(6):663-74

Poly-lysines as modifiers of one- and two-chain tissue-type plasminogen activator activity. Green GD. **Thromb Res** 1986 Dec 15;44(6):849-57

Tissue plasminogen activators in breast cancer. Layer GT, et al. **Thromb Res** 1987 Mar 1;45(5):601-7

The effect of prostacyclin infusion on tissue plasminogen activator. Winther K, et al. **Thromb Res** 1987 Jun 1; 46(5):741-5

[Development of new laboratory technics based on monoclonal antibodies in the diagnosis of deep venous thrombosis and in the evaluation of the systemic effects of thrombolytic treatment with tissue-type plasminogen activator] Holvoet P. **Verh K Acad Geneeskd Belg** 1986; 48(6):377-99 (Eng. Abstr.) **(Dut)**

PHARMACODYNAMICS

Intraocular fibrinolysis with recombinant human tissue plasminogen activator. Experimental treatment in a rabbit model. Snyder RW, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1277-80

Blood cells participate in the fibrinolytic response to

tissue-type plasminogen activator. Hammouda MW, et al. **Blood** 1987 Aug;70(2):564–7

Effects of tissue-type plasminogen activator on Staphylococcus epidermidis—infected plasma clots as a model of infected endocardial vegetations. Buiting AG, et al. **J Antimicrob Chemother** 1987 Jun;19(6):771–80

Fibrinogen lysine residue A alpha 157 plays a crucial role in the fibrin-induced acceleration of plasminogen activation, catalyzed by tissue-type plasminogen activator. Voskuilen M, et al. **J Biol Chem** 1987 May 5;262(13):5944–6

Tissue plasminogen activator promotes platelet disaggregation in plasma. Loscalzo J, et al. **J Clin Invest** 1987 Jun;79(6):1749–55

Pharmacokinetics and effects on fibrinolytic and coagulation parameters of two doses of recombinant tissue-type plasminogen activator in healthy volunteers. Verstraete M, et al. **Thromb Haemost** 1986 Aug 20;56(1):1–5

A comparative study of the efficacy and specificity of tissue plasminogen activator and pro-urokinase: demonstration of synergism and of different thresholds of non-selectivity. Gurewich V, et al. **Thromb Res** 1986 Oct 15;44(2):217–28

Tissue-type plasminogen activator and streptokinase induce platelet hyperaggregability in the rabbit. Ohlstein EH, et al. **Thromb Res** 1987 May 15;46(4):575–85

Differences in the activation rates of plasminogen by tissue plasminogen activator and urokinase. Takada A, et al. **Thromb Res** 1987 Feb 15;45(4):371–81

[T-PA and APSAC, new fibrinolytics] **Med Monatsschr Pharm** 1986 Nov;9(11):326–7 **(Ger)**

[Effects of epsilon-aminocaproic acid, amben and kontrikal on fibrinolysis due to tissue-type plasminogen activator from the pig heart] Shimonaeva EE, et al. **Farmakol Toksikol** 1986 Jul-Aug;49(4):35–8 (Eng. Abstr.) **(Rus)**

[Experimental evaluation of the efficacy of tissue plasminogen activator] Paradeeva IK, et al. **Gematol Transfuziol** 1987 May;32(5):28–31 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Tissue-type plasminogen activator. Lijnen HR, et al. **Ann Biol Clin (Paris)** 1987;45(2):198–201

Human plasminogen activators. Genes and proteins structure. Blasi F, et al. **Horiz Biochem Biophys** 1986;8:377–414 (87 ref.)

Structure and function of human tissue-type plasminogen activator (t-PA). van Zonneveld AJ, et al. **J Cell Biochem** 1986;32(3):169–78 (32 ref.)

Molecular biology of tissue plasminogen activator and endogenous inhibitors. Gerard RD, et al. **Mol Biol Med** 1986 Dec;3(6):449–57 (61 ref.)

The resistance of fibrin-stimulated tissue plasminogen activator to inactivation by a class PAI-2 inhibitor (minactivin). Leung KC, et al. **Thromb Res** 1987 Jun 15; 46(6):755–66

[Tissue plasminogen activator: mechanism of action and thrombolytic properties] Collen D, et al. **Haemostasis** 1986; 16 Suppl 4:26–34 **(Fre)**

[Regulation mechanism of fibrinolysis system on vascular wall] Sueishi K. **Fukuoka Igaku Zasshi** 1986 Oct; 77(10):533–6 (16 ref.) **(Jpn)**

[Kinetic characteristics of the activation of various structural forms of plasminogen by tissue activator in the presence of fibrin] Taran LD, et al. **Biokhimiia** 1986 Aug; 51(8):1256–61 (Eng. Abstr.) **(Rus)**

SECRETION

Differences in coagulant and fibrinolytic activities of cultured human endothelial cells derived from omental tissue microvessels and umbilical veins. Speiser W, et al. **Blood** 1987 Mar;69(3):964–7

Hormonal regulation of tissue plasminogen activator secretion and mRNA levels in rat granulosa cells. O'Connell ML, et al. **J Biol Chem** 1987 Feb 15; 262(5):2339–44

Differentiation-linked secretion of urokinase and tissue plasminogen activator by normal human hemopoietic cells. Wilson EL, et al. **J Exp Med** 1987 Jun 1;165(6):1609–23

Secretion of tissue-type plasminogen activator and plasminogen activator inhibitor by cultured human endothelial cells: modulation by thrombin, endotoxin, and histamine. Hanss M, et al. **J Lab Clin Med** 1987 Jan; 109(1):97–104

Specificity of the thrombin-induced release of tissue plasminogen activator from cultured human endothelial cells. Levin EG, et al. **Thromb Haemost** 1986 Oct 21; 56(2):115–9

[Release of plasminogen activator by SIN-1] Kloecking HP, et al. **Pathol Biol (Paris)** 1987 Feb;35(2 Pt 2):231–2 (Eng. Abstr.) **(Fre)**

[Role of thyroxine in releasing tissue plasminogen activators] Kirichuk VF. **Probl Endokrinol (Mosk)** 1986 Jul-Aug; 32(4):81–3 (Eng. Abstr.) **(Rus)**

STANDARDS

TPA and PDQ [editorial] Koshland DE Jr. **Science** 1987 Jul 24;237(4813):341

THERAPEUTIC USE

Coronary thrombolysis in patients with acute myocardial infarction by intravenous infusion of synergic thrombolytic agents. Collen D, et al. **Am Heart J** 1986 Nov;112(5):1083–4

Coronary arterial thrombolysis with low-dose synergistic combinations of recombinant tissue-type plasminogen activator (rt-PA) and recombinant single-chain urokinase-type plasminogen activator (rscu-PA) for acute myocardial infarction. Collen D, et al. **Am J Cardiol** 1987 Sep 1;60(7):431–4

Dose-dependent thrombolysis, pharmacokinetics and hemostatic effects of recombinant human tissue-type plasminogen activator for coronary thrombosis. Garabedian HD, et al. **Am J Cardiol** 1986 Oct 1;58(9):673–9

Peak creatine kinase as a measure of effectiveness of thrombolytic therapy in acute myocardial infarction. Gore JM, et al. **Am J Cardiol** 1987 Jun 1;59(15):1234–8

Recombinant tissue plasminogen activator (rt-PA): is it the thrombolytic agent of choice for an evolving acute myocardial infarction? Sherry S. **Am J Cardiol** 1987 Apr 15;59(9):984–9

Acute coronary thrombolysis with recombinant human tissue-type plasminogen activator: initial patency and influence of maintained infusion on reocclusion rate. Verstraete M, et al. **Am J Cardiol** 1987 Aug 1;60(4):231–7

Tissue plasminogen activator: from molecular biology to myocardial infarction. Chien KR, et al. **Am J Med Sci** 1987 Mar;293(3):201–7

Thrombolytic therapy for MI. Rodriguez SW, et al. **Am J Nurs** 1987 May;87(5):631–40

Use of tissue plasminogen activator in the emergency department for acute myocardial infarction. Walsh DG, et al. **Ann Emerg Med** 1987 Mar;16(3):243–7

Immobilized thrombolytic enzymes for systemic and local application. Torchilin VP, et al. **Ann NY Acad Sci** 1987; 501:481–6

Use of tissue plasminogen activator in experimental hyphema. Lambrou FH, et al. **Arch Ophthalmol** 1987 Jul;105(7):995–7

Thrombolytic therapy [editorial] Faris I. **Aust NZ J Surg** 1987 May;57(5):283–4

Coronary thrombolysis with tissue-type plasminogen activator. Bergmann SR, et al. **Cardiol Clin** 1987 Feb; 5(1):101–11 (154 ref.)

Thrombolysis, streptokinase, and TPA in the treatment of acute myocardial infarction. Mock MB, et al. **Cardiovasc Clin** 1987;18(1):247–57 (40 ref.)

Streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis. Maizel AS, et al. **Cardiovasc Intervent Radiol** 1986;9(5–6):236–44

Thrombolysis in Myocardial Infarction (TIMI) Trial, Phase I: A comparison between intravenous tissue plasminogen activator and intravenous streptokinase. Clinical findings through hospital discharge. Chesebro JH, et al. **Circulation** 1987 Jul;76(1):142–54

A randomized, blinded, placebo-controlled trial of recombinant human tissue-type plasminogen activator in patients with unstable angina pectoris. Gold HK, et al. **Circulation** 1987 Jun;75(6):1192–9

Pharmacologic thrombolysis: tissue-type plasminogen activator. Sobel BE. **Circulation** 1987 Aug;76(2 Pt 2):II39–43 (30 ref.)

A randomized, placebo-controlled trial of intravenous recombinant tissue-type plasminogen activator and emergency coronary angioplasty in patients with acute myocardial infarction. Topol EJ, et al. **Circulation** 1987 Feb;75(2):420–8

Reduction in infarct size and enhanced recovery of systolic function after coronary thrombolysis with tissue-type plasminogen activator combined with beta-adrenergic blockade with metoprolol. Van de Werf F, et al. **Circulation** 1987 Apr;75(4):830–6

Recombinant tissue plasminogen activator in patients with pulmonary embolism: correlation of fibrinolytic specificity and efficacy. Vaughan DE, et al. **Circulation** 1987 Jun; 75(6):1200–3

Tissue-type plasminogen activator. Mechanisms of action and thrombolytic properties. Collen D, et al. **Haemostasis** 1986; 16 Suppl 3:25–32 (51 ref.)

Streptokinase and tissue plasminogen activator in acute myocardial infarction. Brewer CC, et al. **Heart Lung** 1986 Nov;15(6):552–8 (55 ref.)

Tissue-type plasminogen activator [letter] Little C. **Heart Lung** 1987 Jul;16(4):463

Tissue-type plasminogen activator: a new fibrinolytic agent. Milligan KS. **Heart Lung** 1987 Jan;16(1):69–74 (37 ref.)

Recombinant tissue-type plasminogen activator as a thrombolytic agent in acute myocardial infarction. Parr KL, et al. **Indiana Med** 1987 May;80(5):460–1

Update on thrombolytic therapy. Stanley kC, et al. **Indiana Med** 1987 Apr;80(4):326–8

Fibrinolysis with intrathrombic injection of urokinase and tissue-type plasminogen activator. Results in a new model of subacute venous thrombosis. Valji K, et al. **Invest Radiol** 1987 Jan;22(1):23–7

Activation of the complement system by recombinant tissue plasminogen activator. Bennett WR, et al. **J Am Coll Cardiol** 1987 Sep;10(3):627–32

Announcement of protocol change in thrombolysis in myocardial infarction trial [letter] Braunwald E, et al. **J Am Coll Cardiol** 1987 Feb;9(2):467

Comparative properties of two clinical preparations of recombinant human tissue-type plasminogen activator in patients with acute myocardial infarction. Garabedian HD, et al. **J Am Coll Cardiol** 1987 Mar;9(3):599–607

Coronary thrombolysis with recombinant tissue-type plasminogen activator: patency rate and regional wall motion after 3 months. Jang IK, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1455–60

Thrombolysis in myocardial infarction (TIMI): comparative studies of coronary reperfusion and systemic fibrinogenolysis with two forms of recombinant tissue-type plasminogen activator. Mueller HS, et al. **J Am Coll Cardiol** 1987 Sep;10(3):479–90

Coronary thrombolysis with tissue-type plasminogen activator (t-PA): emerging strategies. Sobel BE. **J Am Coll Cardiol** 1986 Nov;8(5):1220–5

A multicenter, randomized, placebo-controlled trial of a new form of intravenous recombinant tissue-type plasminogen activator (activase) in acute myocardial infarction. Topol EJ, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1205–13

Coronary thrombolysis: second chance therapy—maximizing the advantage. Vogel JH. **J Am Coll Cardiol** 1986 Nov; 8(5):1218–9

Quantitation of fragment X formation during thrombolytic therapy with streptokinase and tissue plasminogen activator. Owen J, et al. **J Clin Invest** 1987 Jun;79(6):1642–7

Digital angiographic quantification of blood flow dynamics in embolic stroke treated with tissue-type plasminogen activator. Kissel P, et al. **J Neurosurg** 1987 Sep; 67(3):399–405

Recombinant human tissue-type plasminogen activator therapy in acute thromboembolic stroke. Papadopoulos SM, et al. **J Neurosurg** 1987 Sep;67(3):394–8

Heparin requirement in tissue-type plasminogen activator-induced experimental coronary thrombolysis: comparison with urokinase-induced coronary thrombolysis. Susawa T, et al. **Jpn Circ J** 1987 Apr; 51(4):431–5

Peripheral symmetrical gangrene successfully treated with epoprostenol and tissue plasminogen activator [letter] Denning DW, et al. **Lancet** 1986 Dec 13;2(8520):1401–2

Acute pulmonary embolism treated with tissue plasminogen activator. Goldhaber SZ, et al. **Lancet** 1986 Oct 18; 2(8512):886–9

Efficacy and safety of tissue plasminogen activator. Kaufman HH, et al. **Neurosurgery** 1987 Mar;20(3):403–7

Tissue-type plasminogen activator (t-PA) and single chain urokinase-type plasminogen activator (scu-PA): potential for fibrin-specific thrombolytic therapy. Collen D. **Prog Hemost Thromb** 1986;8:1–18 (58 ref.)

FDA puts new heart drug on hold [news] Sun M. **Science** 1987 Jul 3;237(4810):16–8

Perspectives on treatment of acute pulmonary embolism with tissue plasminogen activator. Goldhaber SZ, et al. **Semin Thromb Hemost** 1987 Apr;13(2):171–7

D-Phe-Pro-Arg-chloromethylketone: its potential use in inhibiting the formation of in vitro artifacts in blood collected during tissue-type plasminogen activator thrombolytic therapy. Mohler MA, et al. **Thromb Haemost** 1986 Oct 21;56(2):160–4

The Jeremiah Metzger lecture. Thrombolysis and dilatation in coronary occlusion. Ross RS. **Trans Am Clin Climatol Assoc** 1986;98:151–66 (19 ref.)

The effect of intravenous tissue-type plasminogen activator in a rat model of embolic cerebral ischemia. Penar PL, et al. **Yale J Biol Med** 1987 May-Jun;60(3):233–43

[Tissue plasminogen activator (t-PA) in myocardial infarction. Biological aspects] Samama M, et al. **Arch Mal Coeur** 1986 Oct;79(11):1618–24 (Eng. Abstr.) **(Fre)**

[A specific marker of thrombolysis: DDE complex] Soria J, et al. **C R Acad Sci [III]** 1987;304(11):307–11 (Eng. Abstr.) **(Fre)**

[Selective thrombolysis of clots: effect of tissue-type plasminogen activator in the treatment of thromboembolic diseases] Bounameaux H. **Rev Med Suisse Romande** 1987 Mar;107(3):267–72 **(Fre)**

[Fibrinolytic treatment of acute myocardial infarct] Neuhaus KL. **Fortschr Med** 1986 Aug 14;104(30):578–82 (Eng. Abstr.) **(Ger)**

[rt-PA in acute myocardial infarct, randomized studies in Europe and the USA] von Essen R. **Z Kardiol** 1986;75 Suppl 5:101–6 (Eng. Abstr.) **(Ger)**

[Selective thrombolytic therapy with a tissue activator of plasminogen (editorial)] Carreras LO. **Medicina (B Aires)** 1985;45(3):309–11 **(Spa)**

PLASMINOGEN ACTIVATORS

Comparison of plasminogen activators. Robbins KC, et al. **Semin Thromb Hemost** 1987 Apr;13(2):131–8 (56 ref.)

[Effect of adenine nucleotides on the activator function of streptokinase] Nikandrov VN, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):49–51 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Coronary thrombolysis with recombinant single-chain urokinase-type plasminogen activator in patients with acute myocardial infarction. Van de Werf F, et al. **Circulation** 1986 Nov;74(5):1066–70

ANALYSIS

A highly sensitive chromogenic microtiter plate assay for

plasminogen activators which quantitatively discriminates between the urokinase and tissue-type activators. Karlan BY, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):147-54

Plasminogen activator in normal subjects after exercise and venous occlusion: t-PA circulates as complexes with C1-inhibitor and PAI-1. Booth NA, et al. **Blood** 1987 Jun; 69(6):1600-4

Plasminogen activators and tumor development in the human colon: activity levels in normal mucosa, adenomatous polyps, and adenocarcinomas. de Bruin PA, et al. **Cancer Res** 1987 Sep 1;47(17):4654-7

Plasminogen activators during differentiation of the human kidney. Saksela O, et al. **Differentiation** 1987;34(2):131-8

The plasmin system in human adenocarcinomas and their metastases. A comparative immunofluorescence study. Burtin P, et al. **Int J Cancer** 1987 Feb 15;39(2):170-8

Plasminogen activators, plasminogen activator inhibitors and procoagulant analyzed in twenty human tumor cell lines. Cajot JF, et al. **Int J Cancer** 1986 Nov 15;38(5):719-27

Distinct localizations of urokinase-type plasminogen activator and its type 1 inhibitor under cultured human fibroblasts and sarcoma cells. Pöllänen J, et al. **J Cell Biol** 1987 Apr;104(4):1085-96

Immunohistochemical localization of urokinase- and tissue-type plasminogen activators in psoriatic skin. Grøndahl-Hansen J, et al. **J Invest Dermatol** 1987 Jan; 88(1):28-32

Plasminogen activator in synovial fluid from patients with rheumatoid arthritis. Kikuchi H, et al. **J Rheumatol** 1987 Jun;14(3):439-45

Differential detection of single-chain and two-chain urokinase-type plasminogen activator by a new immunoadsorbent-amidolytic assay (IAA). Corti A, et al. **Thromb Haemost** 1986 Dec 15;56(3):407-10

Measurement of urokinase-type plasminogen activator (u-PA) with an enzyme-linked immunosorbent assay (ELISA) based on three murine monoclonal antibodies. Darras V, et al. **Thromb Haemost** 1986 Dec 15;56(3):411-4

Demonstration of two types of plasminogen activators in human milk by SDS-PAGE copolymerizing fibrinogen and plasminogen: different variations of the activators in puerperium. Horie N, et al. **Thromb Res** 1987 Mar 1; 45(5):703-7

[Distribution of plasminogen activator and its inhibitor in the vascular bed] Bratchik AM, et al. **Vrach Delo** 1987 Jan;(1):66-9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Rapid inactivation of the plasminogen-activator inhibitor upon secretion from cultured human endothelial cells. Kooistra T, et al. **Biochem J** 1986 Nov 1;239(3):497-503

Inactivation of plasminogen activator inhibitor by oxidants. Lawrence DA, et al. **Biochemistry** 1986 Oct 21; 25(21):6351-5

Denaturant-induced stimulation of the beta-migrating plasminogen activator inhibitor in endothelial cells and serum. Erickson LA, et al. **Blood** 1986 Dec;68(6):1298-305

Inactivation of single-chain urokinase (pro-urokinase) by thrombin and thrombin-like enzymes: relevance of the findings to the interpretation of fibrin-binding experiments. Gurewich V, et al. **Blood** 1987 Mar;69(3):769-72

Mechanism of protein C-dependent clot lysis: role of plasminogen activator inhibitor. Sakata Y, et al. **Blood** 1986 Dec;68(6):1218-23

Plasminogen activator inhibitors. Sprengers ED, et al. **Blood** 1987 Feb;69(2):381-7 (99 ref.)

Suppression of clinical signs of cell-transferred experimental allergic encephalomyelitis and altered cerebrovascular permeability in Lewis rats treated with a plasminogen activator inhibitor. Koh CS, et al. **Cell Immunol** 1987 Jun; 107(1):52-63

Purification of epidermal plasminogen activator inhibitor. Hibino T, et al. **FEBS Lett** 1986 Nov 24;208(2):273-7

Amiloride selectively inhibits the urokinase-type plasminogen activator. Vassalli JD, et al. **FEBS Lett** 1987 Apr 6;214(1):187-91

Specific induction of secreted proteins by transforming growth factor-beta and 12-O-tetradecanoylphorbol-13-acetate. Relationship with an inhibitor of plasminogen activator. Thalacker FW, et al. **J Biol Chem** 1987 Feb 15;262(5):2283-90

cDNA cloning and expression in Escherichia coli of a plasminogen activator inhibitor from human placenta. Ye RD, et al. **J Biol Chem** 1987 Mar 15;262(8):3718-25

cDNA cloning of human plasminogen activator-inhibitor from endothelial cells. Ginsburg D, et al. **J Clin Invest** 1986 Dec;78(6):1673-80

Plasminogen activator-specific inhibitors in mouse macrophages: in vivo and in vitro modulation of their synthesis and secretion. Wohlwend A, et al. **J Immunol** 1987 Aug 15;139(4):1278-84

Suppression of plasminogen activator activity by dexamethasone in cultured cardiac myocytes. Mayer M, et al. **J Mol Cell Cardiol** 1986 Nov;18(11):1117-24

Plasminogen activator inhibitor in plasma: risk factor for recurrent myocardial infarction. Hamsten A, et al. **Lancet** 1987 Jul 4;2(8549):3-9

Poly-D-lysine dependent inactivation of tissue plasminogen activator by a class PAI-2 inhibitor (minactivin). Leung KC, et al. **Thromb Res** 1987 Jun 15;46(6):767-77

The resistance of fibrin-stimulated tissue plasminogen activator to inactivation by a class PAI-2 inhibitor (minactivin). Leung KC, et al. **Thromb Res** 1987 Jun 15; 46(6):755-66

[Anti-activator inhibitors of plasminogen] Juhan-Vague I, et al. **Ann Biol Clin (Paris)** 1987;45(2):202-6 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Production of plasminogen activators and inhibitor by serially propagated endothelial cells from adult human blood vessels. van Hinsbergh VW, et al. **Arteriosclerosis** 1987 Jul-Aug;7(4):389-400

Human synovial fibroblasts produce urokinase-type plasminogen activator. Medcalf RL, et al. **Arthritis Rheum** 1986 Nov;29(11):1397-401

Plasminogen activators in human colorectal neoplasia [letter] Ramsay DA. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1240-1

Increase of urokinase-type plasminogen activator gene expression in human lung and breast carcinomas. Sappino AP, et al. **Cancer Res** 1987 Aug 1;47(15):4043-6

Hormonal and immunological characterization of the cell-associated plasminogen activators produced by cultured rat granulosa cells. Knecht M. **Endocrinology** 1987 May;120(5):2174-9

Estrogens, progestogens, and androgens enhance the follicle-stimulating hormone-stimulated plasminogen activator production by cultured rat granulosa cells. Wang C, et al. **Endocrinology** 1987 May;120(5):2131-6

Isolation of a mutant LLC-PK1 cell line defective in hormonal responsiveness. A pleiotropic lesion in receptor function. Jans DA, et al. **Eur J Biochem** 1986 Oct 15; 160(2):407-12

Interferon-beta can induce the production of plasminogen activator by cultured human cancer cells. Karai M, et al. **Experientia** 1987 Apr 15;43(4):435-7

Plasminogen activator and mouse spermatozoa: urokinase synthesis in the male genital tract and binding of the enzyme to the sperm cell surface. Huarte J, et al. **J Cell Biol** 1987 May;104(5):1281-9

High and low affinity binding sites for basic fibroblast growth factor on cultured cells: absence of a role for low affinity binding in the stimulation of plasminogen activator production by bovine capillary endothelial cells. Moscatelli D. **J Cell Physiol** 1987 Apr;131(1):123-30

Effects of 8-bromoadenosine 3':5'-cyclic monophosphate on proteolytic enzymes, adhesiveness and lung-colonizing ability of cloned low-metastatic Lewis lung carcinoma cells. Takenaga K. **Jpn J Cancer Res** 1986 Oct; 77(10):998-1004

Identification of a pituitary factor responsible for enhancement of plasminogen activator activity in breast tumor cells. Mira-y-Lopez R, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7780-4

Effect of thrombin on the production of plasminogen activators and PA inhibitor-1 by human foreskin microvascular endothelial cells. Van Hinsberg VW, et al. **Thromb Haemost** 1987 Apr 7;57(2):148-53

BLOOD

Relationship between circulating plasminogen activators and tumor development in mice. Colombi M, et al. **Cancer Res** 1986 Nov;46(11):5748-53

The fibrinolytic enzyme system in normal menstruation and excessive uterine bleeding and the effect of tranexamic acid. Dockeray CJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):309-18

Fibrinolysis in health and disease: abnormal levels of plasminogen activator, plasminogen activator inhibitor, and protein C in thrombotic thrombocytopenic purpura. Glas-Greenwalt P, et al. **J Lab Clin Med** 1986 Nov; 108(5):415-22

Relationship between age and plasma t-PA, PA-inhibitor, and PA activity. Hashimoto Y, et al. **Thromb Res** 1987 Jun 1;46(5):625-33

[Fibrinolytic activity and coronary heart disease] Yao SK, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):71-3, 124 (Eng. Abstr.) **(Chi)**

[Reduced plasminogen activator activity in patients with inactive ulcerative colitis] Rask H, et al. **Ugeskr Laeger** 1986 Nov 3;148(45):2915-6 (Eng. Abstr.) **(Dan)**

CLASSIFICATION

Fibrinolysis in cornea and conjunctiva: evidence of two types of activators. Lantz E, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):393-6

GENETICS

Inhibition of protein synthesis in LLC-PK1 cells increases calcitonin-induced plasminogen-activator gene transcription and mRNA stability. Altus MS, et al. **Biochem J** 1987 Mar 1;242(2):387-92

Characterization of recombinant human single chain urokinase-type plasminogen activator mutants produced by site-specific mutagenesis of lysine 158. Nelles L, et al. **J Biol Chem** 1987 Apr 25;262(12):5682-9

Mutant and chimeric recombinant plasminogen activators. Production in eukaryotic cells and preliminary characterization. Piérard L, et al. **J Biol Chem** 1987 Aug 25;262(24):11771-8

ISOLATION & PURIFICATION

Fish plasminogen activators: their identification and characterization. Takahashi K, et al. **Cell Struct Funct** 1987 Feb;12(1):11-22

Plasminogen activator in mammalian skeletal muscle: characteristics of effect of denervation on urokinase-like and tissue activator. Festoff BW, et al. **J Cell Biol** 1986 Oct;103(4):1415-21

Characterization of plasminogen activators in unstimulated and stimulated human whole saliva. Sindet-Pedersen S, et al. **J Dent Res** 1987 Jun;66(6):1199-203

Purification and characterization of single-chain urokinase-type plasminogen activator (pro-urokinase) from human A431 cells. Corti A, et al. **Thromb Haemost** 1986 Oct 21;56(2):219-24

METABOLISM

Pregnancy-induced changes in the fibrinolytic balance: evidence for defective release of tissue plasminogen activator and increased levels of the fast-acting tissue plasminogen activator inhibitor. Gore M, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):674-80

Extravascular plasminogen activator and inhibitor activities detected at the site of a chronic mycobacterial-induced inflammation. O'Rourke J, et al. **Am J Pathol** 1987 Feb; 126(2):334-42

Dependence of urokinase-type-plasminogen-activator induction on cyclic AMP-dependent protein kinase activation in LLC-PK1 cells. Jans DA, et al. **Biochem J** 1987 Apr 15;243(2):413-8

Plasminogen activators in human colorectal neoplasia [letter] **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1505-6

Differences between the F10, BL6 and F1 sublines of the B16 melanoma in the enhancement of plasminogen activator and plasminogen activator inhibitor secretion by phorbol myristate acetate. Hart DA, et al. **Cancer Lett** 1987 Apr;35(1):27-38

Glucocorticoid modulation of plasminogen activators and of one of their inhibitors in the human mammary carcinoma cell line MDA-MB-231. Busso N, et al. **Cancer Res** 1987 Jan 15;47(2):364-70

Hormonal modulation of plasminogen activator: an approach to prediction of human breast tumor responsiveness [published erratum appears in Cancer Res 1987 Sep 1;47(17):4752] Mira-y-Lopez R, et al. **Cancer Res** 1987 Jul 1;47(13):3558-64

Biochemical and biological properties of single-chain urokinase-type plasminogen activator. Stump DC, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:563-9

Intrafollicular distribution of plasminogen activators and their hormonal regulation in vitro. Reich R, et al. **Endocrinology** 1986 Oct;119(4):1588-93

Correlation of fibrinolytic activity with invasion and metastasis of R3230 AC rat mammary carcinoma cell lines. Pauli BU, et al. **Invasion Metastasis** 1987;7(3):158-71

The receptor-binding sequence of urokinase. A biological function for the growth-factor module of proteases. Appella E, et al. **J Biol Chem** 1987 Apr 5;262(10):4437-40

Binding of single-chain prourokinase to the urokinase receptor of human U937 cells. Cubellis MV, et al. **J Biol Chem** 1986 Dec 5;261(34):15819-22

Types I and IV collagenolytic and plasminogen activator activities in preovulatory ovarian follicles. Palotie A, et al. **J Cell Biochem** 1987 Jun;34(2):101-12

Urokinase-type plasminogen activator: proenzyme, receptor, and inhibitors. Blasi F, et al. **J Cell Biol** 1987 Apr; 104(4):801-4 (70 ref.)

Pertussigen in vivo enhances antigen-specific production in vitro of lymphokine that stimulates macrophage procoagulant activity and plasminogen activator. de Moerloose PA, et al. **J Immunol** 1986 Dec 1; 137(11):3528-33

Adenosine receptors on rabbit alveolar macrophages: binding characteristics and effects on cellular function. Hasday JD, et al. **J Lab Clin Med** 1987 Sep;110(3):264-73

Characterization of an inhibitor of neuronal plasminogen activator released by heart cells. Pittman RN, et al. **J Neurosci** 1987 Sep;7(9):2664-73

Human primary colon carcinomas xenografted into nude mice. II. Modulation of tumor plasminogen activator activity by the host tissue environment. Cajot JF, et al. **JNCI** 1986 Nov;77(5):1099-107

Vasoactive intestinal peptide stimulates plasminogen activator activity by cultured rat granulosa cells and cumulus-oocyte complexes. Liu YX, et al. **Peptides** 1987 Jan-Feb;8(1):29-33

Limited cleavage of cellular fibronectin by plasminogen activator purified from transformed cells. Quigley JP, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2776-80

Fibrin binding and zymogenic properties of single-chain urokinase (pro-urokinase). Gurewich V, et al. **Semin Thromb Hemost** 1987 Apr;13(2):146-51 (35 ref.)

Absence of synergism between tissue-type plasminogen activator (t-PA), single-chain urokinase-type plasminogen activator (scu-PA) and urokinase on clot lysis in a plasma milieu in vitro. Collen D, et al. **Thromb Haemost** 1986 Aug 20;56(1):35-9

A monoclonal antibody that recognizes the receptor binding region of human urokinase plasminogen activator. Nolli ML, et al. **Thromb Haemost** 1986 Oct 21;56(2):214-8

In vitro comparison of fibrinolytic activity of plasminogen

activators using a thrombelastographic method: in vivo evaluation of the B-chain-streptokinase complex in the dog model using pre-titered doses. Summaria L, et al. **Thromb Haemost** 1986 Aug 20;56(1):71-9

Effect of MD-805 on plasminogen activator release by thrombin from isolated perfused dog leg. Hijikata-Okunomiya A, et al. **Thromb Res** 1987 Mar 1; 45(5):699-702

Release of plasminogen activator by pentoxifylline and its major metabolite. Klöcking HP, et al. **Thromb Res** 1987 Jun 1;46(5):747-50

Stimulation by heparin of the plasmin-mediated conversion of single-chain to two-chain urokinase-type plasminogen activator. Lijnen HR, et al. **Thromb Res** 1986 Sep 15; 43(6):687-90

[A comparative study of plasminogen activator activity of rat ovarian follicles and the effect of gonadotropins] Chang SM, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar; 20(1):41-6 (Eng. Abstr.) **(Chi)**

[Conditions of the primary culture for rat hepatocytes and plasminogen activator release] Oshiba S, et al. **Nippon Seirigaku Zasshi** 1986;48(8):641-8 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Comparative thrombolytic properties of single-chain forms of urokinase-type plasminogen activator. Stump DC, et al. **Blood** 1987 Feb;69(2):592-6

Activation of the fibrinolytic system. Robison AK, et al. **Cardiol Clin** 1987 Feb;5(1):13-9 (60 ref.)

The acyl-enzymes and pro-urokinase: promising new thrombolytic agents. Samama M, et al. **Haemostasis** 1986; 16 Suppl 3:33-7 (29 ref.)

Kinetic analyses of potentiation of plasminogen activation by streptokinase in the presence of fibrin or its degradation products. Takada Y, et al. **Haemostasis** 1987;17(1-2):1-7

Effects of pro-urokinase and urokinase on the fibrinolytic system in man. Trübestein G, et al. **Haemostasis** 1987; 17(4):238-44

Single-chain urokinase-type plasminogen activator: mechanism of action and thrombolytic properties. Lijnen HR, et al. **Semin Thromb Hemost** 1987 Apr;13(2):152-9 (45 ref.)

A sensitive solid-phase immunosorbent assay for tissue-type plasminogen activator activity in plasma using trinitrobenzoylated poly-D-lysine as a stimulator for plasminogen activation. Petersen LC, et al. **Thromb Haemost** 1987 Apr 7;57(2):205-11

A comparative study of the efficacy and specificity of tissue plasminogen activator and pro-urokinase: demonstration of synergism and of different thresholds of non-selectivity. Gurewich V, et al. **Thromb Res** 1986 Oct 15;44(2):217-28

PHYSIOLOGY

Initiation and regulation of fibrinolysis in human plasma at the plasminogen activator level. Wun TC, et al. **Blood** 1987 May;69(5):1354-62

Human plasminogen activators. Genes and proteins structure. Blasi F, et al. **Horiz Biochem Biophys** 1986;8:377-414 (87 ref.)

Migrating keratinocytes express urokinase-type plasminogen activator. Morioka S, et al. **J Invest Dermatol** 1987 Apr; 88(4):418-23

Plasminogen activators and inhibitors: roles in muscle and neuromuscular regeneration. Festoff BW, et al. **Prog Brain Res** 1987;71:423-31

Diverse morphological responses of normal human synovial fibroblasts to mononuclear leukocyte products: relationship to prostaglandin production and plasminogen activator activities, and comparison with the effects of purified interleukin 1. Clarris BJ, et al. **Rheumatol Int** 1987; 7(1):35-41

SECRETION

Homologous desensitization of rat Sertoli cells by non-stimulating concentrations of follicle-stimulating hormone. Guillou F, et al. **Biol Cell** 1987;59(3):227-32

Modulation of secreted plasminogen activator activity of human renal carcinoma cells by dimethylsulfoxide, butyrate and retinoate. Nelson NF, et al. **Cancer Lett** 1987 Mar; 34(3):305-16

Release of plasminogen activator by batroxobin. Klöcking HP, et al. **Haemostasis** 1987;17(4):235-7

Differentiation-linked secretion of urokinase and tissue plasminogen activator by normal human hemopoietic cells. Wilson EL, et al. **J Exp Med** 1987 Jun 1;165(6):1609-23

Differential secretion of plasminogen activator activity by postsurgical activated macrophages. Orita H, et al. **J Surg Res** 1986 Dec;41(6):569-73

Rapid release and deactivation of plasminogen activators in human endothelial cell cultures in the presence of thrombin and ionophore A23187. Booyse FM, et al. **Semin Thromb Hemost** 1986 Jul;12(3):228-30

THERAPEUTIC USE

Coronary thrombolysis in patients with acute myocardial infarction by intravenous infusion of synergic thrombolytic agents. Collen D, et al. **Am Heart J** 1986 Nov;112(5):1083-4

Usefulness of intravenous thrombolytic therapy with pro-urokinase in acute myocardial infarction. Bode C, et al. **Am J Cardiol** 1987 Aug 1;60(4):371

Coronary arterial thrombolysis with low-dose synergistic combinations of recombinant tissue-type plasminogen activator (rt-PA) and recombinant single-chain urokinase-type plasminogen activator (rscu-PA) for acute myocardial infarction. Collen D, et al. **Am J Cardiol** 1987 Sep 1;60(7):431-4

Clot selective thrombolysis. Yadav BS, et al. **Indian Heart J** 1986 May-Jun;38(3):169-72

Thrombolysis with recombinant human single-chain urokinase-type plasminogen activator (rscu-PA): dose-response in dogs with coronary artery thrombosis. Van de Werf F, et al. **J Cardiovasc Pharmacol** 1987 Jan; 9(1):91-3

Fibrin degradation products are not specific markers for thrombolysis in myocardial infarction [letter] Seifried E, et al. **Lancet** 1987 Aug 8;2(8554):333-4

Tissue-type plasminogen activator (t-PA) and single chain urokinase-type plasminogen activator (scu-PA): potential for fibrin-specific thrombolytic therapy. Collen D. **Prog Hemost Thromb** 1986;8:1-18 (58 ref.)

[Acyl enzymes and pro-urokinase: promising new thrombolytic agents] Samama M, et al. **Haemostasis** 1986; 16 Suppl 4:35-9 **(Fre)**

PLASMINOKINASE see **STREPTODORNASE AND STREPTOKINASE**

PLASMODIUM

Correlation of survival rates of Anopheles dirus A (Diptera: Culicidae) with different infection densities of Plasmodium cynomolgi. Klein TA, et al. **Bull WHO** 1986;64(6):901-7

Phagocytosis of rodent malarial parasites by mouse peritoneal macrophages. Vinayak VK, et al. **Indian J Med Res** 1987 Apr;85:374-9

Rapid evaluation of malaria parasite density and standardization of thick smear examination for epidemiological investigations [letter] Spencer T. **Trans R Soc Trop Med Hyg** 1986;80(3):491

An increase in water content of mouse erythrocytes infected with Plasmodium yoelii. Tanabe K, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):546-8

[Evaluation of larvicidal effects of Bacillus thuringiensis var. israelensis (serotype H-14) and Bacillus sphaericus preparations and the susceptibility of adult mosquitoes to malarial plasmodia] Ganushkina LA. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):10-3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Plasmodium species: flow cytometry and microfluorometry assessments of DNA content and synthesis. Janse CJ, et al. **Exp Parasitol** 1987 Aug;64(1):88-94

Synthetic peptides from the circumsporozoite proteins of Plasmodium falciparum and Plasmodium knowlesi recognize the human hepatoma cell line HepG2-A16 in vitro. Aley SB, et al. **J Exp Med** 1986 Dec 1;164(6):1915-22

DRUG EFFECTS

Current concepts and new ideas on the mechanism of action of quinoline-containing antimalarials. Ginsburg H, et al. **Biochem Pharmacol** 1987 May 15;36(10):1567-76 (150 ref.)

Recombinant tumour necrosis factor inhibits malaria parasites in vivo but not in vitro. Taverne J, et al. **Clin Exp Immunol** 1987 Jan;67(1):1-4

The current status of drug resistance in malaria. Bunnag D, et al. **Int J Parasitol** 1987 Feb;17(1):169-80 (36 ref.)

Antimalarial drugs: mode of action and resistance. Warhurst DC. **J Antimicrob Chemother** 1986 Oct;18 Suppl B:51-9

In vitro assay of antimalarials: technologies, applications, and prospects. Childs GE, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):515-23 (54 ref.)

Qinghaosu resistance in rodent malaria. Chawira AN, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):477-80

A simple model of the build-up of resistance to mixtures of anti-malarial drugs. Curtis CF, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):889-92

[Action of nitroquine on tissue schizonts of Plasmodium cynomolgi] Hu YM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):78-81 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Plasmodium berghei and Plasmodium chabaudi: a neutral endopeptidase in parasite extracts and plasma of infected animals. Bernard F, et al. **Exp Parasitol** 1987 Aug; 64(1):95-103

Alteration in properties of thymidylate synthetase from pyrimethamine-resistant Plasmodium chabaudi. Ratanaphan A, et al. **Int J Parasitol** 1986 Oct;16(5):483-90

Inhibition of Plasmodium knowlesi isoenzyme bands using antibody produced by lymphocyte hybridoma technique. Pasha ST, et al. **J Commun Dis** 1986 Sep;18(3):198-202

Characterization of lactate dehydrogenase of Plasmodium knowlesi. Saxena N, et al. **Mol Biochem Parasitol** 1986 Dec; 21(3):199-202

Purification of hypoxanthine-guanine phosphoribosyltransferase of Plasmodium lophurae. Schimandle CM, et al. **Mol Biochem Parasitol** 1987 Feb; 23(1):39-45

GENETICS

Partial amino acid sequence of human thrombospondin as determined by analysis of cDNA clones: homology to malarial circumsporozoite proteins. Kobayashi S, et al. **Biochemistry** 1986 Dec 30;25(26):8418-25

The use of DNA probes for malaria diagnosis: memorandum from a WHO meeting. **Bull WHO** 1986;64(5):641-52

The circumsporozoite gene of the Plasmodium cynomolgi complex. Galinski MR, et al. **Cell** 1987 Jan 30;48(2):311-9

Structure of the gene encoding the circumsporozoite protein of Plasmodium yoelii. A rodent model for examining antimalarial sporozoite vaccines. Lal AA, et al. **J Biol Chem** 1987 Mar 5;262(7):2937-40

Homologous telomeric sequences are present in different species of the genus Plasmodium. Dore E, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):121-7

Organization and expression of the Plasmodium knowlesi circumsporozoite antigen gene. Ruiz i Altaba A, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):233-45

Tandemly arranged gene clusters of malarial parasites that are highly conserved and transcribed. Vaidya AB, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2-3):249-57

Primary structure of the histidine-rich protein of Plasmodium lophurae [letter] Irving DO, et al. **Nature** 1986 Dec 4-10; 324(6096):492

Karyotype comparison between P. chabaudi and P. falciparum: analysis of a P. chabaudi cDNA containing sequences highly repetitive in P. falciparum. Langsley G, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2203-11

GROWTH & DEVELOPMENT

Rapid parasite multiplication rate, rather than immunosuppression, causes the death of mice infected with virulent Plasmodium yoelii. Fahey JR, et al. **Infect Immun** 1987 Feb;55(2):490-3

Transmission of Plasmodium simium to Aotus nancymai, A. vociferans, A. azarae boliviensis, and Saimiri sciureus boliviensis monkeys. Collins WE, et al. **J Parasitol** 1987 Jun;73(3):653-5

Receptors for the malarial parasite. Wallach DF. **J Recept Res** 1986;6(5-6):447-59 (51 ref.)

[In vitro cultivation of Plasmodium cynomolgi bastianelli in hepatocytes of the Macaca rhesus] Millet P, et al. **Ann Parasitol Hum Comp** 1987;62(1):5-7 (Eng. Abstr.) **(Fre)**

[Anemic Plasmodium ovale malaria after 45 months' incubation (letter)] Marty P, et al. **Presse Med** 1987 Feb 28;16(7):357 **(Fre)**

IMMUNOLOGY

Antigenic variation and antigenic diversity in malaria. Howard RJ. **Contrib Microbiol Immunol** 1987;8:176-218 (101 ref.)

Feasibility of IHA and ELISA in seroepidemiology of malaria. Kumar R, et al. **Indian J Malariol** 1986 Dec; 23(2):75-80

Stage-specific and species-specific antigens of Plasmodium vivax and Plasmodium ovale defined by monoclonal antibodies. Andrysiak PM, et al. **Infect Immun** 1986 Dec; 54(3):609-12

Characterization of Plasmodium yoelii monoclonal antibodies directed against stage-specific sporozoite antigens. Charoenvit Y, et al. **Infect Immun** 1987 Mar;55(3):604-8

Vaccination against malaria: recent advances and the problems of antigenic diversity and other parasite evasion mechanisms. Howard RJ. **Int J Parasitol** 1987 Feb; 17(1):17-29 (110 ref.)

Antigenic variation of cloned Plasmodium fragile in its natural host Macaca sinica. Sequential appearance of successive variant antigenic types. Handunnetti SM, et al. **J Exp Med** 1987 May 1;165(5):1269-83

Cellular subsets involved in cell-mediated immunity to murine Plasmodium yoelii 17X malaria. Mogil RJ, et al. **J Immunol** 1987 Mar 15;138(6):1933-9

Parasiticidal activity of macrophages against Plasmodium. Shear HL, et al. **Methods Enzymol** 1986;132:637-48

Target antigens of malaria transmission blocking immunity exist as a stable membrane bound complex. Kumar N. **Parasite Immunol** 1987 May;9(3):321-35

Antigenic variation in Plasmodium chabaudi: analysis of parent and variant populations by cloning. McLean SA, et al. **Parasite Immunol** 1986 Sep;8(5):415-24

Vaccination of mice against malaria with soluble antigens. I. The effect of detergent, route of injection, and adjuvant. Playfair JH, et al. **Parasite Immunol** 1986 Sep;8(5):409-14

Kinetic constraints on the development of a malaria vaccine. Saul A. **Parasite Immunol** 1987 Jan;9(1):1-9

Host immune response and pathological expression in malaria: possible implications for malaria vaccines. Grau GE, et al. **Parasitology** 1987;94 Suppl:S123-37 (79 ref.)

The effect of mosquito transmission of antigenic variants of Plasmodium chabaudi. McLean SA, et al. **Parasitology** 1987 Jun;94 (Pt 3):443-9

Studies of murine malaria antigens using monoclonal antibodies. Production, selection, and characterization of antibodies. Holmquist G, et al. **Z Parasitenkd** 1986; 72(5):599-607

[Uses of hybridoma-secreting monoclonal antibodies in parasitic diseases] Huang SR, et al.

Chung Hua I Hsueh Tsa Chih 1987 Jan;67(1):52–5 (23 ref.) **(Chi)**

[A longitudinal survey of malaria by using the indirect fluorescent antibody test (IFAT)] Huang WZ.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1986 Aug; 7(4):212–5 (Eng. Abstr.) **(Chi)**

[The defense mechanism and its weakening: significance of antigen mutation—antigenic shift and drift of Plasmodium] Suzuki M. **Nippon Rinsho** 1986 Sep;44(9):1992–6 **(Jpn)**

ISOLATION & PURIFICATION

Reevaluation, using marker enzymes, of the ability of saponin and ammonium chloride to free Plasmodium from infected erythrocytes. Beaumelle BD, et al. **J Parasitol** 1987 Aug; 73(4):743–8

A method for freeing murine plasmodia of contaminating lactate dehydrogenase elevating virus. Parke LM, et al. **J Parasitol** 1986 Dec;72(6):956–8

Fallisia parasites (Haemosporidia: Plasmodiidae) from the flying lizard, Draco maculatus (Agamidae) in Thailand. Telford SR Jr. **J Parasitol** 1986 Oct;72(5):766–9

Isolation and characterization of parasites and host cell ghosts from erythrocytes infected with Plasmodium chabaudi. Wunderlich F, et al. **Mol Biochem Parasitol** 1987 Mar; 23(2):103–15

[A simple method for isolating Plasmodium yoelii] Pan XQ, et al.
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1987;5(1):53–4 (Eng. Abstr.) **(Chi)**

METABOLISM

Glycoprotein recognition mediates attachment of Plasmodium chabaudi to mouse erythrocytes. Rodriguez MH, et al. **Infect Immun** 1987 Jan;55(1):187–92

Membrane potential of erythrocytic stages of Plasmodium chabaudi free of the host cell membrane. Mikkelsen RB, et al. **Mol Biochem Parasitol** 1986 Oct;21(1):83–92

PATHOGENICITY

[Are sugars always necessary for the infection of mosquitoes with malarial plasmodia?] Alekseev AN, et al.
Parazitologiia 1987 Mar–Apr;21(2):97–100 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Invasion of erythrocytes by malaria parasites: a cellular and molecular overview. Hadley TJ. **Annu Rev Microbiol** 1986; 40:451–77 (135 ref.)

Effect of Plasmodium gallinaceum infection on the mortality and body weight of Aedes aegypti (Diptera: Culicidae). Freier JE, et al. **J Med Entomol** 1987 Jan;24(1):6–10

Plasmodium fallax: the invasion of host cells by exoerythrocytic merozoites in tissue culture. Weathersby AB. **J Parasitol** 1987 Feb;73(1):77–9

Genetic selection of a Plasmodium-refractory strain of the malaria vector Anopheles gambiae. Collins FH, et al. **Science** 1986 Oct 31;234(4776):607–10

The interaction between the malaria parasite and the red cell membrane. Yuthavong Y.
Southeast Asian J Trop Med Public Health 1986 Dec; 17(4):635–41 (46 ref.)

A method for monitoring the viability of malaria parasites (Plasmodium yoelii) freed from the host erythrocytes. Izumo A, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):264–7

The biology of malaria parasites. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1987;743:1–229

[Further studies on the relapse of Plasmodium cynomolgi in rhesus monkeys] Wang XX, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(2):126–8 (Eng. Abstr.) **(Chi)**

[Preliminary study on the production of high gametocytaemia of Plasmodium chabaudi in the rat] Liu D.
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1987;5(1):55–7 (Eng. Abstr.) **(Chi)**

[Malaria: the end of a multimillenia reign?] Meuris S, et al.
Pathol Biol (Paris) 1986 Sep;34(7):886–92 (85 ref.) (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Plasmodium yoelii: induction of attenuated mutants by irradiation. Waki S, et al. **Exp Parasitol** 1986 Dec; 62(3):316–21

ULTRASTRUCTURE

Localization of protective 143/140 kDa antigens of Plasmodium knowlesi by the use of antibodies and ultracryomicrotomy. Aikawa M, et al. **Eur J Cell Biol** 1986 Aug;41(2):207–13

PLASMODIUM BERGHEI

CYTOLOGY

Characterization of monoclonal antibodies directed against erythrocytic stage antigens of Plasmodium berghei. Wiser MF. **Eur J Cell Biol** 1986 Oct;42(1):45–51

DRUG EFFECTS

An ultrastructural study of the effects of mefloquine on malaria parasites. Jacobs GH, et al.
Am J Trop Med Hyg 1987 Jan;36(1):9–14

alpha-Difluoromethylornithine inhibits the first part of exoerythrocytic schizogony of Plasmodium berghei in rodents. Lowa PM, et al. **Ann Soc Belg Med Trop** 1986; 66(4):301–8

Identification of distinct accumulation sites of 4-aminoquinoline in chloroquine sensitive and resistant Plasmodium berghei strains. Moreau S, et al.
Eur J Cell Biol 1986 Dec;42(2):207–10

Preliminary observations on development of quinine sulphate resistance in Plasmodium berghei. Kazim M, et al.
Indian J Malariol 1986 Dec;23(2):133–7

Mechanism of escape of exoerythrocytic forms (EEF) of malaria parasites from the inhibitory effects of interferon-gamma. Vergara U, et al. **J Immunol** 1987 Jun 15;138(12):4447–9

Mitomycin-C is an unreliable inhibitor for study of DNA synthesis in Plasmodium. Janse CJ, et al.
Mol Biochem Parasitol 1986 Oct;21(1):33–6

[Ultrastructural study on the effect of pyronaridine on the erythrocytic stages of chloroquine-resistant strain of Plasmodium berghei] Wu LJ.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(4):263–6 (Eng. Abstr.) **(Chi)**

[Delay in emergence of resistance to pyronaridine phosphate in Plasmodium berghei] Shao BR, et al.
Chung Kuo Yao Li Hsueh Pao 1986 Sep;7(5):463–7 (Eng. Abstr.) **(Chi)**

[Development of a qinghaosu-resistant line of Plasmodium berghei ANKA and N strain] Li CS, et al.
Yao Hsueh Hsueh Pao 1986 Nov;21(11):811–5 (Eng. Abstr.) **(Chi)**

[Suppression of chloroquine resistance in Plasmodium berghei by using a microsomal monooxygenase inhibitor] Rabinovich SA, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug; (4):7–10 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Superoxide dismutase and catalase in the murine malaria, Plasmodium berghei: content and s cellular distribution. Fairfield AS, et al. **Arch Biochem Biophys** 1986 Nov 1; 250(2):526–9

Plasmodium berghei and Plasmodium chabaudi: a neutral endopeptidase in parasite extracts and plasma of infected animals. Bernard F, et al. **Exp Parasitol** 1987 Aug; 64(1):95–103

[Detection of a system of microsomal monooxygenases in the rodent malaria parasite Plasmodium berghei] Chekhonadskikh TV, et al. **Biokhimiia** 1987 Mar; 52(3):381–6 (Eng. Abstr.) **(Rus)**

GENETICS

Plasmodium berghei: cloning of the circumsporozoite protein gene. Weber JL, et al. **Exp Parasitol** 1987 Jun;63(3):295–300

Sequence of the small subunit ribosomal RNA gene expressed in the bloodstream stages of Plasmodium berghei: evolutionary implications. Gunderson JH, et al.
J Protozool 1986 Nov;33(4):525–9

Homologous telomeric sequences are present in different species of the genus Plasmodium. Dore E, et al.
Mol Biochem Parasitol 1986 Nov;21(2):121–7

Telomeric motifs are present in a highly repetitive element in the Plasmodium berghei genome. Pace T, et al.
Mol Biochem Parasitol 1987 Jun;24(2):193–202

Circumsporozoite protein of Plasmodium berghei: gene cloning and identification of the immunodominant epitopes. Eichinger DJ, et al. **Mol Cell Biol** 1986 Nov;6(11):3965–72

GROWTH & DEVELOPMENT

Intranuclear development of Plasmodium berghei in liver cells. Suhrbier A, et al. **Cell Biol Int Rep** 1986 Dec; 10(12):994

Effect of dosage and route of inoculation on parasitaemia in white rats and guinea pigs to Plasmodium berghei infection. el-Matarawy OM, et al.
J Egypt Soc Parasitol 1987 Jun;17(1):93–6

The course of Plasmodium berghei infection in mice subjected to variable dosages of the parasite and the peak parasitaemia obtained accordingly. Omar SH, et al.
J Egypt Soc Parasitol 1986 Dec;16(2):757–61

Interferon-gamma inhibits the intrahepatocytic development of malaria parasites in vitro. Schofield L, et al.
J Immunol 1987 Sep 15;139(6):2020–5

Comparative studies on the infectivity of Plasmodium berghei gametocytes and ookinetes for gnotobiotic and xenobiotic Anopheles stephensi. Kurtti TJ, et al. **J Parasitol** 1986 Oct; 72(5):706–10

IMMUNOLOGY

Plasmodium berghei: relative immunogenicity of infected reticulocytes and infected oxyphilic red blood cells. Schetters TP, et al. **Exp Parasitol** 1986 Dec;62(3):322–8

Antibody-dependent and -independent cytotoxic activity of spleen cells for Plasmodium berghei from susceptible and resistant rats. Orago AS, et al. **Immunology** 1986 Oct; 59(2):283–8

Use of a DNA probe to measure the neutralization of Plasmodium berghei sporozoites by a monoclonal antibody. Ferreira A, et al. **J Immunol** 1987 Feb 15;138(4):1256–9

The production of reactive oxygen species in mice infected or immunized with Plasmodium berghei. Li M, et al.
Parasite Immunol 1987 May;9(3):293–304

Effects of Mycobacterium bovis BCG, bacterial lipopolysaccharide and hydrocortisone on the development of immunity to Plasmodium berghei. Ferraroni JJ, et al.
Rev Inst Med Trop Sao Paulo 1986 Jan–Feb;28(1):36–45

Efficacy of murine malaria sporozoite vaccines: implications for human vaccine development. Egan JE, et al.
Science 1987 Apr 24;236(4800):453–6

ISOLATION & PURIFICATION

Occurrence of exoerythrocytic schizonts in the liver, adrenal glands and endocardium of mice infected with erythrocytic stages of Plasmodium berghei. Prunescu CC, et al.
Arch Roum Pathol Exp Microbiol 1986 Apr–Jun; 45(2):153–60

METABOLISM

Characteristics of membrane protein phosphorylation in Plasmodium berghei-infected mouse erythrocytes. Chaimanee P, et al. **J Protozool** 1986 Nov;33(4):446–54

PATHOGENICITY

[Experimental malaria: contamination of strains and experimental animals by Eperythrozoon coccoides] de Andrade Júnior HF, et al.
Rev Inst Med Trop Sao Paulo 1986 Jul–Aug;28(4):246–52 (Eng. Abstr.) **(Por)**

[Production of an attenuated strain of P. berghei by secondary passages through mice receiving vitamin E] Sergacheva IuIu, et al. **Med Parazitol (Mosk)** 1986 Nov–Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Intra erythrocytic differentiation of Plasmodium berghei [published erratum appears in Acta Leiden 1986;54:preceding 1] Mons B. **Acta Leiden** 1986;54:1–124

In vitro invasion of host cells by Plasmodium berghei sporozoites in serum-free medium. Stewart MJ, et al.
J Parasitol 1987 Apr;73(2):433–4

Ookinete antigens of Plasmodium berghei: a light and electron-microscope immunogold study of expression of the 21 kDa determinant recognized by a transmission-blocking antibody. Sinden RE, et al.
Proc R Soc Lond [Biol] 1987 May 22;230(1261):443–58

[Electron microscopic study on the invasion of erythrocytes by Plasmodium berghei merozoites] Yan GH, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(1):25–7 (Eng. Abstr.) **(Chi)**

[Experimental study on the effect of Plasmodia on the erythroid colony forming unit (CFU-E)] Zhang YH.
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1987;5(1):42–4 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Organization of the exoerythrocytic stage of the rodent malaria parasite Plasmodium berghei. A cytochemical study. Meis JF, et al. **J Submicrosc Cytol** 1986 Oct; 18(4):755–60

[Effects of piperaquine on the fine structure of the erythrocytic stages of Plasmodium berghei ANKA strain] Chen L, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul; 7(4):351–3 (Eng. Abstr.) **(Chi)**

[Effect of pyronaridine on ultrastructure of erythrocytic forms of Plasmodium berghei in mice] Wu LJ.
Chung Kuo Yao Li Hsueh Pao 1985 Dec;6(4):280–3 (Eng. Abstr.) **(Chi)**

PLASMODIUM FALCIPARUM

Altered plasma membrane phospholipid organization in Plasmodium falciparum-infected human erythrocytes. Schwartz RS, et al. **Blood** 1987 Feb;69(2):401–7

ANALYSIS

Synthetic peptides from the circumsporozoite proteins of Plasmodium falciparum and Plasmodium knowlesi recognize the human hepatoma cell line HepG2-A16 in vitro. Aley SB, et al. **J Exp Med** 1986 Dec 1;164(6):1915–22

Peptide digest studies of polymorphic proteins of Plasmodium falciparum. Fenton B. **Mol Biochem Parasitol** 1987 May; 24(1):13–22

A repetitive antigen of Plasmodium falciparum that is homologous to heat shock protein 70 of Drosophila melanogaster. Bianco AE, et al.
Proc Natl Acad Sci USA 1986 Nov;83(22):8713–7

DRUG EFFECTS

An ultrastructural study of the effects of mefloquine on malaria parasites. Jacobs GH, et al.
Am J Trop Med Hyg 1987 Jan;36(1):9–14

The basis of antimalarial action: non-weak base effects of chloroquine on acid vesicle pH. Krogstad DJ, et al.
Am J Trop Med Hyg 1987 Mar;36(2):213–20

Clinical and laboratory characterization of a chloroquine-resistant Plasmodium falciparum strain

acquired in the Central African Republic. Pierce PF, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):1–2

Optimal concentration of p-aminobenzoic acid and folic acid in the in vitro assay of antifolates against Plasmodium falciparum. Tan-ariya P, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):42–8

Plasmodium falciparum drug resistance in West Africa. Druilhe P, et al. **Ann Soc Belg Med Trop** 1986;66(4):297–300

In vivo chloroquine sensitivity of Plasmodium falciparum in South West Niger. Haegeman F, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):67–70

Effects of combinations of quinoline-containing antimalarials on Plasmodium falciparum in culture. Geary TG, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):285–91

Inhibition of in vitro growth of Plasmodium falciparum by a brief exposure to the cationic rhodamine dyes. Izumo A, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):299–305

The interaction of the naphthoquinone derivative menoctone and dihydrofolate reductase inhibitors on Plasmodium falciparum in vitro. Percy M, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):359–60

Effect of calmodulin inhibitors on viability and mitochondrial potential of Plasmodium falciparum in culture. Geary TG, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):785–8

Inoculum effect with chloroquine and Plasmodium falciparum. Gluzman IY, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):32–6

The effect of purified aminoaldehydes produced by polyamine oxidation on the development in vitro of Plasmodium falciparum in normal and glucose-6-phosphate-dehydrogenase-deficient erythrocytes. Morgan DM, et al. **Biochem J** 1986 May 15; 236(1):97–101

Toxicity of certain products of lipid peroxidation to the human malaria parasite Plasmodium falciparum. Clark IA, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):543–6

Uptake of [3H]chloroquine by drug-sensitive and -resistant strains of the human malaria parasite Plasmodium falciparum. Geary TG, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3805–12

On the mode of action of phlorizin as an antimalarial agent in in vitro cultures of Plasmodium falciparum. Kutner S, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):123–9

Lysis of malarial parasites and erythrocytes by ferriprotoporphyrin IX-chloroquine and the inhibition of this effect by proteins. Zhang Y, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1267–73

Ganglioside GM1a as inhibitor of Plasmodium falciparum growth in vitro. Hermentin P, et al. **Blut** 1987 Aug; 55(2):127–9

Toxic effect of isolated glycophorin A on the in vitro growth of Plasmodium falciparum. Hermentin P, et al. **Blut** 1987 Feb;54(2):115–22

Effects of iron and desferrioxamine on the growth of Plasmodium falciparum in vitro [letter] Pollack S. **Br J Haematol** 1987 Feb;65(2):256–7

Sensitivity to quinine and mefloquine of Plasmodium falciparum in Thailand. Suebsaeng L, et al. **Bull WHO** 1986;64(5):759–65

Plasmodium falciparum: inhibition in vitro with lactoferrin, desferriferrithiocin, and desferricrocin. Fritsch G, et al. **Exp Parasitol** 1987 Feb;63(1):1–9

In vitro susceptibility of chloroquine resistant Plasmodium falciparum to mefloquine in Delhi. Gajananda A, et al. **Indian J Malariol** 1986 Dec;23(2):91–4

Biochemical method for the detection of chloroquine resistance in P. falciparum. Grinberg LN, et al. **Indian J Malariol** 1986 Jun;23(1):49–53

Tumor necrosis factor does not induce Plasmodium falciparum crisis forms. Jensen JB, et al. **Infect Immun** 1987 Jul;55(7):1722–4

Plants as sources of antimalarial drugs, Part 4: Activity of Brucea javanica fruits against chloroquine-resistant Plasmodium falciparum in vitro and against Plasmodium berghei in vivo. O'Neill MJ, et al. **J Nat Prod** 1987 Jan–Feb; 50(1):41–8

Stage-dependent inhibition of chloroquine on Plasmodium falciparum in vitro. Zhang Y, et al. **J Parasitol** 1986 Dec; 72(6):830–6

Chloroquine-resistant falciparum malaria from East Africa. Bhattacharya DN, et al. **J Trop Med Hyg** 1986 Dec; 89(6):291–4

The effect of artemisinin combined with standard antimalarials against chloroquine-sensitive and chloroquine-resistant strains of Plasmodium falciparum in vitro. Chawira AN, et al. **J Trop Med Hyg** 1987 Feb; 90(1):1–8

Concurrent chloroquine- and Fansidar-resistant Plasmodium falciparum: an imported case into Zimbabwe. Dallas AB, et al. **J Trop Med Hyg** 1986 Oct;89(5):265–8

Epidemiology of the emergence and spread of drug-resistant falciparum malaria in South-East Asia and Australasia. Verdrager J. **J Trop Med Hyg** 1986 Dec;89(6):277–89

Leads from the MMWR. Chloroquine-resistant Plasmodium falciparum malaria in West Africa. **JAMA** 1987 May 15; 257(19):2556, 2559

Assessment of possible drug-resistant Plasmodium falciparum in a pregnant traveller with sickle cell disease [letter] Greenberg AE, et al. **Lancet** 1987 Feb 21;1(8530):454–5

Chloroquine-resistant falciparum malaria in Benin [letter] Le Bras J, et al. **Lancet** 1986 Nov 1;2(8514):1043–4

Decline in sensitivity of Plasmodium falciparum to chloroquine in The Gambia [letter] Menon A, et al. **Lancet** 1987 May 2;1(8540):1029–30

Appearance of chloroquine-resistant falciparum malaria in Swaziland [letter] Raviglione MC. **Lancet** 1987 Jul 4; 2(8549):44–5

In-vitro chloroquine and mefloquine-resistant Plasmodium falciparum in Nigeria [letter] Salako LA, et al. **Lancet** 1987 Mar 7;1(8532):572–3

Gentamicin and amikacin repress the growth of Plasmodium falciparum in culture, probably by inhibiting a parasite acid phospholipase. Krugliak M, et al. **Life Sci** 1987 Mar 30; 40(13):1253–7

Plasmodium falciparum RI resistance to quinine and sulphadoxine-pyrimethamine in the Solomon Islands [letter] Isaacs RD, et al. **Med J Aust** 1987 Apr 20; 146(8):449–50

Chloroquine-resistant Plasmodium falciparum malaria in West Africa. **MMWR** 1987 Jan 23;36(2):13–4

Acid-vesicle function, intracellular pathogens, and the action of chloroquine against Plasmodium falciparum. Krogstad DJ, et al. **N Engl J Med** 1987 Aug 27;317(9):542–9 (103 ref.)

Cytostatic effect of DL-alpha-difluoromethylornithine against Plasmodium falciparum and its reversal by diamines and spermidine. Assaraf YG, et al. **Parasitol Res** 1987; 73(4):313–8

A fluorometric sensitivity test for chloroquine in Plasmodium falciparum isolates from patients. Waki S, et al. **Parasitol Res** 1987;73(4):303–5

The mechanism of pyrimethamine resistance in Plasmodium falciparum. Dieckmann A, et al. **Parasitology** 1986 Oct;93 (Pt 2):275–8

Reversal of chloroquine resistance in Plasmodium falciparum by verapamil. Martin SK, et al. **Science** 1987 Feb 20; 235(4791):899–901

In vitro susceptibility of Plasmodium falciparum to amodiaquine, mefloquine, quinine and chloroquine in Liberia, West Africa. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):761–2

High level of chloroquine resistance in seven Plasmodium falciparum malaria cases from the Congo and Gabon. Brandicourt O, et al. **Trans R Soc Trop Med Hyg** 1986; 80(6):906–7

Chloroquine-resistant falciparum malaria from Rwanda [letter] Gascon J, et al. **Trans R Soc Trop Med Hyg** 1986; 80(2):351

Synergy of four macrolide antibiotics with chloroquine against chloroquine-resistant Plasmodium falciparum in vitro. Gershon P, et al. **Trans R Soc Trop Med Hyg** 1986; 80(5):753–7

A study of the sensitivity of Plasmodium falciparum to chloroquine and mefloquine using the in vitro microtechnique in Peninsular Malaysia. Ho KB, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):257–9

In vitro susceptibility of Plasmodium falciparum malaria to pyrimethamine, sulfadoxine, trimethoprim and sulfamethoxazole, singly and in combination. Thersen E. **Trans R Soc Trop Med Hyg** 1987;81(2):238–41

Severe chloroquine-resistant falciparum malaria in Gabon with decreased sensitivity to quinine [letter] Simon F, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):996–7

Chloroquine-resistant falciparum malaria in Punjab (northern India) [letter] Verma SC, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):489

Stage-specific sensitivity of Plasmodium falciparum to antifolates. Dieckmann A, et al. **Z Parasitenkd** 1986; 72(5):591–4

14C-desferrioxamine B: uptake into erythrocytes infected with Plasmodium falciparum. Fritsch G, et al. **Z Parasitenkd** 1986;72(6):709–13

[In vitro activity of chloroquine, two enantiomers of chloroquine, desethylchloroquine and pyronaridine against Plasmodium falciparum] Fu S, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):269–71 (Eng. Abstr.) **(Chi)**

[Comparison of the effectiveness of two kinds of media for in vitro microtest of sensitivity of Plasmodium falciparum to chloroquine and mefloquine] Liu DQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):256–9 (Eng. Abstr.) **(Chi)**

[The extent of resistance of chloroquine-resistant falciparum malaria and the geographic distribution in China] Liu DQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):81–5 (Eng. Abstr.) **(Chi)**

[Determination of the chemosensitivity of Plasmodium falciparum: methodology and interpretation] Le Bras J, et al. **Ann Pediatr (Paris)** 1987 May;34(5):349–56 (Eng. Abstr.) **(Fre)**

[In vitro action on Plasmodium falciparum of the serum of subjects having received 3 injectable forms of quinine by the intramuscular route (published erratum appears in Ann Pharm Fr 1986;44(4):325)] Haq A, et al. **Ann Pharm Fr** 1986;44(2):137–43 (Eng. Abstr.) **(Fre)**

[Drug sensitivity of malaria in Madagascar. Comparison in vivo and in vitro of the effects of chloroquine and amodiaquine on P. falciparum in 1984] Biaud JM, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):73–84 **(Fre)**

[Development of the drug resistance of Plasmodium falciparum in Africa] Charmot G, et al. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):51–9 **(Fre)**

[Chemical resistance of Plasmodium falciparum in Africa. Current situation, implications for chemoprophylaxis] Sansonetti PJ, et al. **Biomed Pharmacother** 1987; 41(4):167–71 (Eng. Abstr.) **(Fre)**

[Is it necessary to perform sensitivity tests for malaria in the hospital environment?] Brandicourt O, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):352–9 (Eng. Abstr.) **(Fre)**

[Drug resistance of Plasmodium falciparum in Congo. I. In vivo study with 10 and 25 mg/kg of chloroquine (235 tests)] Carme B, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(4):490–502 (Eng. Abstr.) **(Fre)**

[Preliminary study, in vitro, of the sensitivity of P. falciparum to chloroquine, mefloquine and quinine during 1985, in Kampuchea] Denis MB. **Bull Soc Pathol Exot Filiales** 1986; 79(3):360–7 (Eng. Abstr.) **(Fre)**

[Intravector anti-Plasmodium activity of a pyrethrinoid: deltamethrin] Carle PR, et al. **C R Acad Sci [III]** 1986; 303(13):565–8 (Eng. Abstr.) **(Fre)**

[Plasmodium falciparum malaria attacks with low or negative parasitemia on returning from areas of endemic resistance to 4-aminoquinolines] Sansonetti PJ, et al. **Presse Med** 1986 Jul 5–12;15(27):1264–6 (Eng. Abstr.) **(Fre)**

[Diagnosis of drug-resistant strains of Plasmodium falciparum] Kupferschmidt HG, et al. **Angew Parasitol** 1987 Mar;28(1):3–5 (Eng. Abstr.) **(Ger)**

[In vivo and in vitro study of the sensitivity of imported strains of Plasmodium falciparum to antimalarial preparations] Glazunova ZI, et al. **Med Parazitol (Mosk)** 1986 Nov–Dec;(6):42–5 (Eng. Abstr.) **(Rus)**

[In vivo sensitivity of Plasmodium falciparum to chloroquine in Bamako (the Republic of Mali)] Karzin VV, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):19–21 (Eng. Abstr.) **(Rus)**

[Treatment of imported tropical malaria caused by chloroquine-resistant strains of P. falciparum] Loban KM, et al. **Ter Arkh** 1987;59(1):69–72 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

G6PD in Plasmodium-infected erythrocytes [letter] Thorburn DR, et al. **Blood** 1987 Feb;69(2):700–1

Glucose-6-phosphate dehydrogenase of malaria parasite Plasmodium falciparum. Yoshida A, et al. **Blood** 1987 May; 69(5):1528–30

Plasmodium falciparum: protease inhibitors and inhibition of erythrocyte invasion. Dluzewski AR, et al. **Exp Parasitol** 1986 Dec;62(3):416–22

Plasmodium falciparum: S-adenosyl-L-methionine decarboxylase. Rathaur S, et al. **Exp Parasitol** 1987 Apr; 63(2):227–32

Plasmodium falciparum: inhibition of dolichol kinase by mefloquine. Walter RD. **Exp Parasitol** 1986 Dec; 62(3):356–61

Determination of enzyme variants of glucose phosphate isomerase in Plasmodium falciparum by isoelectric focusing and polyacrylamide electrophoresis. Gardner AL, et al. **Int J Parasitol** 1987 Feb;17(3):835–9

High-performance liquid chromatographic assay for pteroylpolyglutamate hydrolase. Krungkrai J, et al. **J Chromatogr** 1987 Jun 5;417(1):47–56

Kinetic and molecular properties of the dihydrofolate reductase from pyrimethamine-sensitive and pyrimethamine-resistant clones of the human malaria parasite Plasmodium falciparum. Chen GX, et al. **Mol Pharmacol** 1987 Apr;31(4):430–7

GENETICS

Evaluation of a synthetic oligonucleotide probe for diagnosis of Plasmodium falciparum infections. Mucenski CM, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):912–20

DNA probe for P. falciparum [letter] Pang L. **Am J Trop Med Hyg** 1987 May;36(3):672

Cloning and sequencing of Plasmodium falciparum DNA fragments containing repetitive regions potentially coding for histidine-rich proteins: identification of two overlapping reading frames. Lenstra R, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):368–77

Partial amino acid sequence of human thrombospondin as determined by analysis of cDNA clones: homology to malarial circumsporozoite proteins. Kobayashi S, et al. **Biochemistry** 1986 Dec 30;25(26):8418–25

A histidine-rich protein gene marks a linkage group favored strongly in a genetic cross of Plasmodium falciparum. Wellems TE, et al. **Cell** 1987 Jun 5;49(5):633–42

A 75 kd merozoite surface protein of Plasmodium falciparum which is related to the 70 kd heat-shock proteins. Ardeshir F, et al. **EMBO J** 1987 Feb;6(2):493–9

cDNA sequence encoding a Plasmodium falciparum protein associated with knobs and localization of the protein to electron-dense regions in membranes of infected erythrocytes. Ardeshir F, et al. **EMBO J** 1987 May; 6(5):1421–7

The complete sequence of the gene for the knob-associated histidine-rich protein from Plasmodium falciparum. Triglia T, et al. **EMBO J** 1987 May;6(5):1413–9

Plasmodium falciparum: identification and localization of a knob protein antigen expressed by a cDNA clone. Culvenor JG, et al. **Exp Parasitol** 1987 Feb;63(1):58–67

Conservation and antigenicity of N-terminal sequences of GP185 from different Plasmodium falciparum isolates. Howard RF, et al. **Gene** 1986;46(2-3):197–205

Analysis of sequences from the extremely A + T-rich genome of Plasmodium falciparum. Weber JL. **Gene** 1987; 52(1):103–9

Sequence variation in putative functional domains of the circumsporozoite protein of Plasmodium falciparum. Implications for vaccine development. de la Cruz VF, et al. **J Biol Chem** 1987 Sep 5;262(25):11935–9

Comparison of genomic, plasmid, synthetic, and combined DNA probes for detecting Plasmodium falciparum DNA. McLaughlin GL, et al. **J Clin Microbiol** 1987 May; 25(5):791–5

An oligonucleotide probe for detecting Plasmodium falciparum: an analysis of clinical specimens from six countries. Buesing M, et al. **J Infect Dis** 1987 Jun; 155(6):1315–8

The karyotype of Plasmodium falciparum determined by ultrastructural serial sectioning and 3D reconstruction. Prensier G, et al. **J Parasitol** 1986 Oct;72(5):731–6

Use of enzyme-linked synthetic DNA in diagnosis of falciparum malaria. McLaughlin GL, et al. **Lancet** 1987 Mar 28;1(8535):714–6

Circumsporozoite gene of a Plasmodium falciparum strain from Thailand. del Portillo HA, et al. **Mol Biochem Parasitol** 1987 Jul;24(3):289–94

Homologous telomeric sequences are present in different species of the genus Plasmodium. Dore E, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):121–7

Strain variation in the circumsporozoite protein gene of Plasmodium falciparum. Lockyer MJ, et al. **Mol Biochem Parasitol** 1987 Jan 2;22(1):101–8

Characterization and complete nucleotide sequence of a 5.8S ribosomal RNA gene from Plasmodium falciparum. Shippen-Lentz D, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):223–31

Detection of Plasmodium falciparum DNA using repetitive DNA clones as species specific probes. Zolg JW, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):145–51

Sorting large numbers of clones expressing Plasmodium falciparum antigens in Escherichia coli by differential antibody screening. Stahl HD, et al. **Mol Biol Med** 1986 Aug;3(4):351–68

Sensitive and specific DNA probe for detection of Plasmodium falciparum. Enea V. **Mol Cell Biol** 1986 Jan; 6(1):321–4

Structural diversity of the major surface antigen of Plasmodium falciparum merozoites. Schwarz RT, et al. **Mol Cell Biol** 1986 Mar;6(3):964–8

A liver-stage-specific antigen of Plasmodium falciparum characterized by gene cloning. Guerin-Marchand C, et al. **Nature** 1987 Sep 10–16;329(6135):164–7

Knob-associated histidine-rich protein gene [letter] Sharma YD. **Nature** 1987 Apr 9–15;326(6113):550

Structure of the RESA gene of Plasmodium falciparum. Favaloro JM, et al. **Nucleic Acids Res** 1986 Nov 11; 14(21):8265–77

Karyotype comparison between P. chabaudi and P. falciparum: analysis of a P. chabaudi cDNA containing sequences highly repetitive in P. falciparum. Langsley G, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2203–11

Organization of Plasmodium falciparum genome: II. Sequence analysis of falci element. Rao AS, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9542

Synthetic gene construct expressing a repeated and highly immunogenic epitope of the Plasmodium falciparum antigen Pf155. Aslund L, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1399–403

Expression of senescent antigen on erythrocytes infected with a knobby variant of the human malaria parasite Plasmodium falciparum. Winograd E, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1931–5

Genetic analysis of the human malaria parasite Plasmodium falciparum. Walliker D, et al. **Science** 1987 Jun 26; 236(4809):1661–6

GROWTH & DEVELOPMENT

Polyamine oxidase in human retroplacental serum inhibits the growth of Plasmodium falciparum. Egan JE, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):890–7

In vitro and in vivo adaptation of the Geneve/SGE-1 strain of Plasmodium falciparum to growth in a squirrel monkey (Saimiri sciureus) model. Fajfar-Whetstone CJ, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):221–7

Characterisation of the host response to Plasmodium falciparum infection. I. Cerebral malaria. Cowen NL, et al. **Aust NZ J Med** 1986 Jun;16(3):360–4

Selectivity properties of pores induced in host erythrocyte membrane by Plasmodium falciparum. Effect of parasite maturation. Ginsburg H, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):194–6

Mitotic inhibitors arrest the growth of Plasmodium falciparum. Usanga EA, et al. **FEBS Lett** 1986 Dec 1; 209(1):23–7

Secretion of a malarial histidine-rich protein (Pf HRP II) from Plasmodium falciparum-infected erythrocytes. Howard RJ, et al. **J Cell Biol** 1986 Oct;103(4):1269–77

Thalassemic erythrocytes inhibit in vitro growth of Plasmodium falciparum. Brockelman CR, et al. **J Clin Microbiol** 1987 Jan;25(1):56–60

Identification of three stage-specific proteinases of Plasmodium falciparum. Rosenthal PJ, et al. **J Exp Med** 1987 Sep 1;166(3):816–21

Two-color flow-cytometric analysis of the growth cycle of Plasmodium falciparum in vitro: identification of cell cycle compartments. Hare JD. **J Histochem Cytochem** 1986 Dec; 34(12):1651–8

Infection of Aotus azarae boliviensis monkeys with different strains of Plasmodium falciparum. Collins WE, et al. **J Parasitol** 1986 Aug;72(4):525–30

Cultivation of Plasmodium falciparum in commercially available sera depleted of natural antibodies reactive with human erythrocytes. Grun JL, et al. **J Parasitol** 1987 Apr; 73(2):384–8

Requirement of low oxygen tension for adaptation of a new isolate of Plasmodium falciparum to continuous in vitro culture. Takagi T, et al. **J Parasitol** 1987 Feb;73(1):238–40

Haemoglobin S and in vitro chloroquine susceptibility of Plasmodium falciparum. Nguyen-Dinh P, et al. **Lancet** 1986 Nov 29;2(8518):1278

Study of some parameters affecting the in vitro cultivation of Plasmodium falciparum within Saïmiri sciureus red blood cells. Fandeur T, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun;81(2):165–70

In vitro growth and chloroquine sensitivity of Plasmodium falciparum (FCR-3 strain) in red blood cells containing HbC. Dei-Cas E, et al. **Parasitol Res** 1987;73(4):306–12

Synchronization of Plasmodium falciparum gametocytes using an automated suspension culture system. Ponnudurai T, et al. **Parasitology** 1986 Oct;93 (Pt 2):263–74

Desferrioxamine suppresses Plasmodium falciparum in Aotus monkeys. Pollack S, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):162–4

Decreased growth of Plasmodium falciparum in red cells containing haemoglobin E, a role for oxidative stress, and a sero-epidemiological correlation. Vernes AJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):642–8

Assessment of the in vitro growth of Plasmodium falciparum using fluorometry. Tamura J, et al. **Z Parasitenkd** 1986; 72(5):595–7

Cultivation of Plasmodium falciparum using animal serum (horse, calf and bovine) as human serum substitute. Ramos MI, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov; 262(4):551–8

[Various physico-chemical factors affecting the in vitro cultivation of the erythrocyte stages of the agent of tropical malaria] Allakhverdiev AM. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):65–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Influence of circulating malarial antigens on cell mediated immunity in acute Plasmodium falciparum malaria. Ballet JJ, et al. **Acta Trop (Basel)** 1986 Sep;43(3):255–62

Immunochemical analysis of a major antigen of Plasmodium falciparum (P126) among ten geographic isolates. Bhatia A, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):15–9

Detection of antibodies in human sera to the repeating epitope of the circumsporozoite protein of Plasmodium falciparum using the synthetic peptide (NANP)3 in an enzyme-linked immunosorbent assay (ELISA). Campbell GH, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):17–21

Antibodies to the repetitive epitope of Plasmodium falciparum circumsporozoite protein in a rural Tanzanian community: a longitudinal study of 132 children. Del Giudice G, et al. **Am J Trop Med Hyg** 1987 Mar; 36(2):203–12

Antibodies to the PF155 antigen of Plasmodium falciparum: measurement by cell-ELISA and correlation with expected immune protection. Deloron P, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):22–6

Simultaneous use of Plasmodium falciparum crude antigen and red blood cell control antigen in the enzyme-linked immunosorbent assay for malaria. Demedts P, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):257–63

Serotypic antigens of Plasmodium falciparum recognized by serotype-restricted inhibitory human sera. Haynes JD, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):246–56

Polypeptide antigens Mr 90,000 and 72,000 related to protective immunity against the blood form of Plasmodium falciparum in the squirrel monkey show stable characteristics in strains from different geographic origins. Jendoubi M, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):9–16

The feasibility of a Dot enzyme-linked immunosorbent assay (Dot-ELISA) for the diagnosis of Plasmodium falciparum antigens and antibodies. Londner MV, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):240–5

Ultrastructural localization of the 150/130 Kd antigens in sexual and asexual blood stages of Plasmodium falciparum-infected human erythrocytes. Uni S, et al. **Am J Trop Med Hyg** 1987 May;36(3):481–8

Characterisation of the host response to Plasmodium falciparum infection in acute non-complicated malaria. Cowen NL, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):229–35

Comparison of asexual blood-stage antigens of Plasmodium falciparum recognized by antibody reagents from nine laboratories. Dayal R, et al. **Bull WHO** 1986;64(3):403–14

Defined Plasmodium falciparum antigens in malaria serology. Gabra MS, et al. **Bull WHO** 1986;64(6):889–96

Comparative testing of monoclonal antibodies against Plasmodium falciparum sporozoites for ELISA development. Wirtz RA, et al. **Bull WHO** 1987;65(1):39–45

Plasmodium falciparum-specific human T cell clones: recognition of different parasite antigens. Pink JR, et al. **Eur J Immunol** 1987 Feb;17(2):193–6

Plasmodium falciparum-specific human T cell clones: evidence for helper and cytotoxic activities. Sinigaglia F, et al. **Eur J Immunol** 1987 Feb;17(2):187–92

Plasmodium falciparum: sporozoite boosting of immunity due to a T-cell epitope on a sporozoite vaccine. Hoffman SL, et al. **Exp Parasitol** 1987 Aug;64(1):64–70

Plasmodium falciparum: elicitation by peptides and recombinant circumsporozoite proteins of circulating mouse antibodies inhibiting sporozoite invasion of hepatoma cells. Hollingdale MR, et al. **Exp Parasitol** 1987 Jun;63(3):345–51

Plasmodium falciparum: immunogenicity of circumsporozoite protein constructs produced in Escherichia coli. Wirtz RA, et al. **Exp Parasitol** 1987 Apr; 63(2):166–72

Epidemiological correlation between levels of antibodies promoting merozoite phagocytosis of Plasmodium falciparum and malaria-immune status. Druilhe P, et al. **Infect Immun** 1987 Apr;55(4):888–91

Characterization of a 96-kilodalton thermostable polypeptide antigen of Plasmodium falciparum related to protective immunity in the squirrel monkey. Jouin H, et al. **Infect Immun** 1987 Jun;55(6):1387–92

Killing of Plasmodium falciparum by eosinophil secretory products. Waters LS, et al. **Infect Immun** 1987 Apr; 55(4):877–81

Malaria—any hopes? Joshi VR, et al. **J Assoc Physicians India** 1987 Mar;35(3):181–2

Detection of human antibodies against Plasmodium falciparum sporozoites using synthetic peptides. Del Giudice G, et al. **J Clin Microbiol** 1987 Jan;25(1):91–6

Immunological characteristics of malaria antibodies in two regions of Madagascar. Deloron P, et al. **J Clin Microbiol** 1987 May;25(5):911–5

Two-site immunoradiometric assay for detection of Plasmodium falciparum antigen in blood using monoclonal and polyclonal antibodies. Khusmith S, et al. **J Clin Microbiol** 1987 Aug;25(8):1467–71

Development of immunity in natural Plasmodium falciparum malaria: antibodies to the falciparum sporozoite vaccine 1 antigen (R32tet32). Webster HK, et al. **J Clin Microbiol** 1987 Jun;25(6):1002–8

The antibody response in mice to carrier-free synthetic polymers of Plasmodium falciparum circumsporozoite repetitive epitope is I-Ab-restricted: possible implications for malaria vaccines. Del Giudice G, et al. **J Immunol** 1986 Nov 1;137(9):2952–5

Human T clones reactive to the sexual stages of Plasmodium falciparum malaria. High frequency of gamete-reactive T cells in peripheral blood from nonexposed donors. Good MF, et al. **J Immunol** 1987 Jan 1;138(1):306–11

Monoclonal antibody characterization of the 195-kilodalton major surface glycoprotein of Plasmodium falciparum malaria schizonts and merozoites: identification of additional processed products and a serotype-restricted repetitive epitope. Lyon JA, et al. **J Immunol** 1987 Feb 1;138(3):895–901

Synthetic Plasmodium falciparum circumsporozoite peptides elicit heterogenous L3T4+ T cell proliferative responses in H-2b mice. Togna AR, et al. **J Immunol** 1986 Nov 1; 137(9):2956–60

Synthetic peptides as antigens for the detection of humoral immunity to Plasmodium falciparum sporozoites. Zavala F, et al. **J Immunol Methods** 1986 Oct 23;93(1):55–61

Stimulation of T lymphocyte-dependent differentiation of activated human B lymphocytes by Plasmodium falciparum supernatants. Ballet JJ, et al. **J Infect Dis** 1987 May; 155(5):1037–40

Safety and efficacy of a recombinant DNA Plasmodium falciparum sporozoite vaccine. Ballou WR, et al. **Lancet** 1987 Jun 6;1(8545):1277–81

Efficacy of recombinant DNA Plasmodium falciparum sporozoite vaccine? [letter] Grove DI. **Lancet** 1987 Jul 25; 2(8552):220

Putative glycophorin-binding protein is secreted from schizonts of Plasmodium falciparum. Bianco AE, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):91–102

Antigenic cross reactivity between p195 and a distinct protein of 100 kDa in Plasmodium falciparum. Buranakitjaroen P, et al. **Mol Biochem Parasitol** 1987 Jan 2;22(1):65–77

Variable antigen associated with the surface of erythrocytes infected with mature stages of Plasmodium falciparum. Coppel RL, et al. **Mol Biochem Parasitol** 1986 Sep; 20(3):265–77

Localization, biosynthesis, processing and isolation of a major 126 kDa antigen of the parasitophorous vacuole of Plasmodium falciparum. Delplace P, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):193–201

Fragments of the polymorphic Mr 185,000 glycoprotein from the surface of isolated Plasmodium falciparum merozoites form an antigenic complex. McBride JS, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):71–84

Anchoring a secreted plasmodium antigen on the surface of recombinant vaccinia virus-infected cells increases its immunogenicity. Langford CJ, et al. **Mol Cell Biol** 1986 Sep;6(9):3191–9

Immunity to malaria and naturally acquired antibodies to the circumsporozoite protein of Plasmodium falciparum [letter] Lupski JR. **N Engl J Med** 1987 Feb 12;316(7):415

Immunization of Aotus monkeys with recombinant proteins of an erythrocyte surface antigen of Plasmodium falciparum. Collins WE, et al. **Nature** 1986 Sep 18–24; 323(6085):259–62

Safety and immunogenicity in man of a synthetic peptide malaria vaccine against Plasmodium falciparum sporozoites. Herrington DA, et al. **Nature** 1987 Jul 16-22; 328(6127):257-9

Induction of protective immunity against experimental infection with malaria using synthetic peptides. Patarroyo ME, et al. **Nature** 1987 Aug 13-19;328(6131):629-32

Malaria vaccines. Are they approaching reality? [news] Perlmann P. **Nature** 1987 Jul 16-22;328(6127):205-6

Multiple cross-reactivities amongst antigens of Plasmodium falciparum impair the development of protective immunity against malaria. Anders RF. **Parasite Immunol** 1986 Nov; 8(6):529-39

Plasmodium falciparum-inhibitory monoclonal antibodies produced by human hybridomas. Fine E, et al. **Parasite Immunol** 1987 May;9(3):305-20

Target antigens of malaria transmission blocking immunity exist as a stable membrane bound complex. Kumar N. **Parasite Immunol** 1987 May;9(3):321-35

Processing of the precursor to the major merozoite surface antigens of Plasmodium falciparum. Holder AA, et al. **Parasitology** 1987 Apr;94 (Pt 2):199-208

Theoretically determined three-dimensional structure for the repeating tetrapeptide unit of the circumsporozoite coat protein of the malaria parasite Plasmodium falciparum. Brooks BR, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4470-4

Immunization with synthetic peptides of a Plasmodium falciparum surface antigen induces antimerozoite antibodies. Cheung A, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8328-32

Merozoite surface coat precursor protein completely protects Aotus monkeys against Plasmodium falciparum malaria. Siddiqui WA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):3014-8

Prevalence of anti-P. falciparum sporozoite antibodies in adults in the Amapa region of Brazil. do Rosario V, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan-Feb;29(1):63-6

Generation of reactive oxygen radicals by human phagocytic cells activated by Plasmodium falciparum. Kharazmi A, et al. **Scand J Immunol** 1987 Apr;25(4):335-41

Construction of synthetic immunogen: use of new T-helper epitope on malaria circumsporozoite protein. Good MF, et al. **Science** 1987 Feb 27;235(4792):1059-62

Naturally acquired antibodies to sporozoites do not prevent malaria: vaccine development implications. Hoffman SL, et al. **Science** 1987 Aug 7;237(4815):639-42

Opsonizing and agglutinating antibodies against Plasmodium falciparum schizont-infected erythrocytes in Gambian sera. Abdalla SH. **Trans R Soc Trop Med Hyg** 1987;81(2):214-8

Computer controlled affinity chromatographical purification of soluble Plasmodium falciparum antigens from supernatants of in vitro cultures. Jepsen S, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):534-6

Low parasite specific T cell response in clinically immune individuals with low grade Plasmodium falciparum parasitaemia [letter] Theander TG, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1000-1

Effectiveness of liposomes as potential carriers of vaccines: applications to cholera toxin and human malaria sporozoite antigen. Alving CR, et al. **Vaccine** 1986 Sep;4(3):166-72

[Opsonization and cytotoxicity of monoclonal antibodies against Plasmodium falciparum] Li JI, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):251-5 (Eng. Abstr.) **(Chi)**

[Analysis of target antigens of Plasmodium falciparum with human immune sera] Zhou ZH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):173-6 (Eng. Abstr.) **(Chi)**

[Characterization of McAbs (M26-32, F6-C2 and F6-D3) against Plasmodium falciparum] Li WL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):430-4 (Eng. Abstr.) **(Chi)**

[Effect of chemoprophylaxis or chemotherapy with chloroquine on the acquisition of antimalarial fluorescent antibodies in the savannah area] Brandicourt O, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):17-22 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Field evaluation of an enzyme-linked immunosorbent assay (ELISA) for Plasmodium falciparum sporozoite detection in anopheline mosquitoes from Kenya. Beier JC, et al. **Am J Trop Med Hyg** 1987 May;36(3):459-68

Potential vectors of malaria and their different susceptibility to Plasmodium falciparum and Plasmodium vivax in northern Brazil identified by immunoassay. de Arruda M, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):873-81

Assessment of a synthetic DNA probe for Plasmodium falciparum in African blood specimens. McLaughlin GL, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):27-36

Incrimination of Anopheles culicifacies as vector of malaria in Orissa. Nagpal BN, et al. **Indian J Malariol** 1986 Jun; 23(1):57-9

Chloroquine and Fansidar prophylaxis--a reply [letter] McMeeking AA. **J Infect Dis** 1987 Jun;155(6):1351

Field evaluation of enzyme-linked immunosorbent assays for Plasmodium falciparum and Plasmodium vivax sporozoites in mosquitoes (Diptera: Culicidae) from Papua New Guinea. Wirtz RA, et al. **J Med Entomol** 1987 Jul; 24(4):433-7

Reevaluation, using marker enzymes, of the ability of saponin and ammonium chloride to free Plasmodium from infected erythrocytes. Beaumelle BD, et al. **J Parasitol** 1987 Aug; 73(4):743-8

METABOLISM

Malarial pigment-dependent error in the estimation of hemoglobin content in Plasmodium falciparum-infected red cells: implications for metabolic and biochemical studies of the erythrocytic phases of malaria. Roth EF Jr, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):906-11

Effect of polyamine depletion on macromolecular synthesis of the malarial parasite, Plasmodium falciparum, cultured in human erythrocytes. Assaraf YG, et al. **Biochem J** 1987 Feb 15;242(1):221-6

Studies on glycoproteins in the human malaria parasite Plasmodium falciparum--lectin binding properties and the possible carbohydrate-protein linkage. Ramasamy R. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):147-52

Transport of an Mr approximately 300,000 Plasmodium falciparum protein (Pf EMP 2) from the intraerythrocytic asexual parasite to the cytoplasmic face of the host cell membrane. Howard RJ, et al. **J Cell Biol** 1987 May; 104(5):1269-80

Possible pitfalls in the identification of glycophorin-binding proteins of Plasmodium falciparum. van Schravendijk MR, et al. **J Exp Med** 1987 Aug 1;166(2):376-90

Stage- and time-dependent effects of crisis form factor on Plasmodium falciparum in vitro. Carlin JM, et al. **J Parasitol** 1986 Dec;72(6):852-7

Polymorphism of proteins in malaria parasites following mefloquine treatment. Pinswasdi C, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):159-64

Antimalarial activity of selected aromatic chelators. IV. Cation uptake by Plasmodium falciparum in the presence of oxines and siderochromes. Scheibel LW, et al. **Mol Pharmacol** 1986 Oct;30(4):364-9

Identification of the parasite transferrin receptor of Plasmodium falciparum-infected erythrocytes and its acylation via 1,2-diacyl-sn-glycerol. Haldar K, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8565-9

Histidine-rich domain of the knob protein of the human malaria parasite Plasmodium falciparum. Kilejian A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7938-41

Long term culture of Plasmodium falciparum in human erythrocytes with reduced K+ content [letter] Izumo A, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1007-8

[Development of P. falciparum sensitivity to chloroquine, to quinine and to mefloquine between 1983 and 1985 in Zaire] Wery M, et al. **Ann Soc Belg Med Trop** 1986; 66(4):309-24 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Invasion of mouse erythrocytes by the human malaria parasite, Plasmodium falciparum. Klotz FW, et al. **J Exp Med** 1987 Jun 1;165(6):1713-8

Control of malarial invasion by phosphorylation of the host cell membrane cytoskeleton. Rangachari K, et al. **Nature** 1986 Nov 27-Dec 3;324(6095):364-5

A protein on Plasmodium falciparum-infected erythrocytes functions as a transferrin receptor [published erratum appears in Nature 1987 Jan 22-28;325(6102):374] Rodriguez MH, et al. **Nature** 1986 Nov 27-Dec 3;324(6095):388-91

PHYSIOLOGY

Factors influencing invasion of erythrocytes by Plasmodium falciparum parasites: the effects of an N-acetyl glucosamine neoglycoprotein and an anti-glycophorin A antibody. Hadley TJ, et al. **Am J Trop Med Hyg** 1986 Sep; 35(5):898-905

Induction of gametocytogenesis in Plasmodium falciparum by the culture supernatant of hybridoma cells producing anti-P. falciparum antibody. Ono T, et al. **Biken J** 1986 Dec;29(3-4):77-81

A malaria protein exported into a new compartment within the host erythrocyte. Simmons D, et al. **EMBO J** 1987 Feb;6(2):485-91

Inhibition of malaria parasite invasion of human erythrocytes by a lymphocyte membrane polypeptide. Benzaquen-Geffin R, et al. **Infect Immun** 1987 Feb; 55(2):342-51

Studies on glutathione reductase and methemoglobin from human erythrocytes parasitized with Plasmodium falciparum. Hempelmann E, et al. **Mol Biochem Parasitol** 1987 Feb;23(1):19-24

Amino-sugars inhibit the in vitro cytoadherence of Plasmodium falciparum-infected erythrocytes to melanoma cells. Singh B, et al. **Mol Biochem Parasitol** 1987 Feb; 23(1):47-53

Inhibition of malarial invasion by intracellular antibodies against intrinsic membrane proteins in the red cell. Dluzewski AR, et al. **Parasitology** 1986 Dec;93 (Pt 3):427-31

The role of membrane knobs in microvascular obstruction induced by Plasmodium falciparum-infected erythrocytes. Kaul DK, et al. **Trans Assoc Am Physicians** 1985;98:204-14

[The effect of human glycophorin A and saccharides on the invasion of human erythrocytes by Plasmodium falciparum] Li JX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):86-9 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Application of the serial sectioning and tridimensional reconstruction techniques to the morphological study of the Plasmodium falciparum mitochondrion. Slomianny C, et al. **J Parasitol** 1986 Aug;72(4):595-8

Immunoelectron microscopy shows that the 80,000-dalton antigen of Plasmodium falciparum merozoites is localized in the surface coat. Heidrich HG, et al. **Z Parasitenkd** 1986; 72(5):681-3

PLASMODIUM GALLINACEUM see under **PLASMODIUM**

PLASMODIUM INFECTIONS see **MALARIA**

PLASMODIUM VIVAX

CYTOLOGY

[A preliminary study on morphological features of Plasmodium vivax in the northern part of Hunan Province] Yao GZ. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):35-8 (Eng. Abstr.) **(Chi)**

GENETICS

Evolution of the immunodominant domain of the circumsporozoite protein gene from Plasmodium vivax. Implications for vaccines. de la Cruz VF, et al. **J Biol Chem** 1987 May 15;262(14):6464-7

GROWTH & DEVELOPMENT

Studies of comparative infectivity of fifteen strains of Plasmodium vivax to laboratory-reared anopheline mosquitoes, with special reference to Anopheles culicifacies. Collins WE, et al. **J Parasitol** 1986 Aug; 72(4):521-4

The influence of magnesium ion and ascorbic acid on the erythrocytic schizogony of Plasmodium vivax. Brockelman CR, et al. **Parasitol Res** 1987;73(2):107-12

IMMUNOLOGY

Stage-specific and species-specific antigens of Plasmodium vivax and Plasmodium ovale defined by monoclonal antibodies. Andrysiak PM, et al. **Infect Immun** 1986 Dec; 54(3):609-12

Expression in yeast of a Plasmodium vivax antigen of potential use in a human malaria vaccine. Barr PJ, et al. **J Exp Med** 1987 Apr 1;165(4):1160-71

Antigenic analysis of the repeat domain of the circumsporozoite protein of Plasmodium vivax. Romero P, et al. **J Immunol** 1987 Sep 1;139(5):1679-82

ISOLATION & PURIFICATION

Potential vectors of malaria and their different susceptibility to Plasmodium falciparum and Plasmodium vivax in northern Brazil identified by immunoassay. de Arruda M, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):873-81

Field evaluation of enzyme-linked immunosorbent assays for Plasmodium falciparum and Plasmodium vivax sporozoites in mosquitoes (Diptera: Culicidae) from Papua New Guinea. Wirtz RA, et al. **J Med Entomol** 1987 Jul; 24(4):433-7

PHYSIOLOGY

[Experimental studies on the biological characteristics of Plasmodium vivax in south Yunnan] Yang BL, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):101-5 (Eng. Abstr.) **(Chi)**

PLASMOSOME see **CELL NUCLEOLUS**

PLASTER CASTS see **CASTS, SURGICAL**

PLASTER OF PARIS see **CALCIUM SULFATE**

PLASTICITY, NEURONAL see **NEURONAL PLASTICITY**

PLASTICIZERS

Plasticized polyvinylchloride as a temporary dressing for burns. Wilson G, et al. **Br Med J** 1987 Feb 28; 294(6571):556-7

A study of the possibilities for using oils of fir, dwarf-pine, white pine and black pine as plasticisers for root-filling materials. Botoushanov P, et al. **Folia Med (Plovdiv)** 1986; 28(3):45-9

Mechanically strong films produced from cellulose acetate latexes. Bindschaedler C, et al. **J Pharm Pharmacol** 1987 May;39(5):335-8

Storage of platelets on flatbed agitators in polyvinyl chloride blood bags plasticized with tri(2-ethylhexyl) trimellitate. Champion AB, et al. **Transfusion** 1987 Sep-Oct; 27(5):399-401

[Improving the mechanical properties of alabaster gypsum with the addition of 5% superplasticizer] Starčević L. **Med Pregl** 1986;39(7-8):379-84 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Eosinophilic peritonitis—hypothesis. Nässberger L, et al. **Nephron** 1987;46(1):103–4

[Exposure to plasticizers in medical care] Sjöberg P, et al. **Nord Med** 1986;101(10):270–1 (Eng. Abstr.) **(Swe)**

ANALYSIS

Contamination of platelet storage bags by phthalate esters. Labow RS, et al. **J Toxicol Environ Health** 1986;19(4):591–8

METABOLISM

Di-(2-ethylhexyl)adipate: absorption, autoradiographic distribution and elimination in mice and rats. Bergman K, et al. **Food Chem Toxicol** 1987 Apr;25(4):309–16

PHARMACODYNAMICS

The effect of the plasticizer di(2-ethylhexyl)phthalate on red cell deformability. Labow RS, et al. **Blood** 1987 Jul; 70(1):319–23

TOXICITY

An evaluation of the genotoxic potential of di-isononyl adipate. McKee RH, et al. **Environ Mutagen** 1986; 8(6):817–27

Reproductive effects of four phthalic acid esters in the mouse. Lamb JC 4th, et al. **Toxicol Appl Pharmacol** 1987 Apr; 88(2):255–69

Evaluation of immunotoxicity in a subchronic feeding study of triphenyl phosphate. Hinton DM, et al. **Toxicol Ind Health** 1987 Mar;3(1):71–89

Results of peroxisome induction studies on tri(2-ethylhexyl)trimellitate and 2-ethylhexanol. Hodgson JR. **Toxicol Ind Health** 1987 Jun;3(2):49–61

The use of multivariate analysis to compare peroxisome induction data on phthalate esters in rats. Lin LI. **Toxicol Ind Health** 1987 Jun;3(2):25–48

Toxicity of 29 plasticizers to HeLa cells in the MIT-24 system. Ekwall B, et al. **Toxicology** 1982;24(3–4):199–210

PLASTICS

Skin protection against methylmethacrylate. Darre E, et al. **Acta Orthop Scand** 1987 Jun;58(3):236–8

CT evaluation of plastic intraocular foreign bodies. Henrikson GC, et al. **AJNR** 1987 Mar–Apr;8(2):378–9

Respiratory symptoms associated with the use of azodicarbonamide foaming agent in a plastics injection molding facility. Whitehead LW, et al. **Am J Ind Med** 1987; 11(1):83–92

Enhancement of human polymorphonuclear leukocyte adherence to plastic and endothelium by phorbol myristate acetate. Comparison with human C5a. Webster RO, et al. **Am J Pathol** 1986 Nov;125(2):369–78

Effect of force on anastomotic suture line disruption after carotid arteriotomy. Landymore RW, et al. **Am J Surg** 1987 Sep;154(3):309–12

A randomised comparison of polydioxanone (PDS) and polypropylene (Prolene) for abdominal wound closure. Cameron AE, et al. **Ann R Coll Surg Engl** 1987 May; 69(3):113–5

Enhanced albumin binding to polypropylene beads via anhydrous ammonia gaseous plasma. Sipehia R, et al. **Biomaterials** 1986 Nov;7(6):471–3

Ligament and tendon repair with an absorbable polymer-coated carbon fiber stent. Alexander H, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):155–73

Bacterial contamination of intravenous catheters and other plastic devices [letter] Lanzilli G, et al. **Infection** 1987 Jan–Feb;15(1):42–3

Clinical evaluation of a nonadhering wound dressing. Salasche SJ, et al. **J Dermatol Surg Oncol** 1986 Nov; 12(11):1220–2

Covalent binding of proteins to grafted plastic surfaces suitable for immunoassays. I. Binding capacity and characteristics of grafted polymers. Larsson H, et al. **J Immunol Methods** 1987 Apr 2;98(1):129–35

Aorta-coronary bypass grafting with heparinized vascular grafts in dogs. A preliminary study. Nojiri C, et al. **J Thorac Cardiovasc Surg** 1987 Jun;93(6):867–77

Compound polyglactin 910/polypropylene small vessel prostheses. Greisler HP, et al. **J Vasc Surg** 1987 Apr; 5(4):572–83

An ultrasound window to perform scanned, focused ultrasound hyperthermia treatments of brain tumors. Tobias J, et al. **Med Phys** 1987 Mar–Apr;14(2):228–34

Hexcelite versus plaster of Paris: a controlled trial of the below-knee walking cast. Jørgensen U, et al. **Prosthet Orthot Int** 1986 Dec;10(3):114–6

Custom moulded plastic spinal orthoses. Turner MS, et al. **Prosthet Orthot Int** 1986 Aug;10(2):83–8

[Is polypropylene degraded in the eye?] Colin J, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):777–8 **(Fre)**

[Chest wall moulages for radiotherapy of resected breast cancer with fast electrons: comparative tests of different materials] Niewald M, et al. **Strahlenther Onkol** 1986 Oct; 162(10):605–12 (Eng. Abstr.) **(Ger)**

[A plastic substitute for the superior sagittal sinus in pigs] Schulz MR, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(1):31–6 (Eng. Abstr.) **(Ger)**

[Experience using the Soviet thermoplastic material "Polivik" in rheumatologic practice] Pavlov VP, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):72–4 **(Rus)**

[Use of plastic and porcelain teeth in complete removable dentures] Parilov VV, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct;65(5):45–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Complications by liquid plastics in ophthalmic surgery. Histopathologic study. Strempel I. **Dev Ophthalmol** 1987; 13:137–46

The anatomy of plastic bullet damage and crowd control. Metress EK, et al. **Int J Health Serv** 1987;17(2):333–42

[Natural immunity of the pupils in a secondary vocational and technical school for rubber and plastics] Stamova N, et al. **Probl Khig** 1986;11:150–6 (Eng. Abstr.) **(Bul)**

[Pulmonary alveolar proteinosis—an occupational disease?] Maintz G, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):140–4 (Eng. Abstr.) **(Ger)**

[Occupational dermatoses from exposure to rubber and plastic gloves] Kanerva L, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):11–3 (Eng. Abstr.) **(Rus)**

[Hygienic assessment of working conditions in the manufacture of plastic-insulated wire] Nemchinov NN, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):33–6 (Eng. Abstr.) **(Rus)**

[Sensitivity to plastic materials] Spužić I, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):65–7 **(Scc)**

ANALYSIS

Headspace gas chromatographic determination of residual 1,3-butadiene in rubber-modified plastics and its migration from plastic containers into selected foods. McNeal TP, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):18–21

Improved method for determination of volatile nitrosamines in baby bottle rubber nipples and pacifiers. Sen NP, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):434–8

Contamination of platelet storage bags by phthalate esters. Labow RS, et al. **J Toxicol Environ Health** 1986;19(4):591–8

IMMUNOLOGY

Comparison of complement activation by silicone intraocular lenses and polymethylmethacrylate intraocular lenses with polypropylene loops. Mondino BJ, et al. **Arch Ophthalmol** 1987 Jul;105(7):989–90

METABOLISM

Degradation of polypropylene in the human eye: a SEM-study. Jongebloed WL, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):143–52

PHARMACODYNAMICS

Plastic ESR tubes: does static electricity affect the results? Roddie AM, et al. **Clin Lab Haematol** 1987;9(2):175–80

Influence of surgical stress on cellular immunity and the induction of plastic adherent suppressor cells of spleen in mice. Qui-shi L, et al. **Immunol Invest** 1986 Aug; 15(5):419–30

Re.: Invalidation of Lowry protein estimations and macrophage [3H]deoxyglucose uptake by plastic tubes and airflow [letter] Philp JR, et al. **J Immunol Methods** 1987 Apr 16;98(2):285–6

THERAPEUTIC USE

Fixation of osteotomies of the lateral femoral condyle and tibial cortical bone grafts with the aid of plastic material on the rat. Lapinsuo M. **Arch Orthop Trauma Surg** 1987; 106(4):199–201

[Reconstruction of the anterior cruciate ligament using Kennedy's augmented plastic surgery] Van Overschelde J, et al. **Acta Orthop Belg** 1986 Jul–Aug;52(4):576–82 (Eng. Abstr.) **(Fre)**

TOXICITY

Some chemicals used in plastics and elastomers: general remarks on the substances considered. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986;39:33–6

Some chemicals used in plastics and elastomers. IARC Working Group. Lyon, 11–18 June 1985. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 39:7–378

PLASTOCYANIN see under **PLANT PROTEINS**

PLASTOQUINONE see under **QUINONES**

PLATANNA see **XENOPUS LAEVIS**

PLATELET ACTIVATING FACTOR

Changes induced by PAF-acether in diacyl and ether phospholipids from guinea-pig alveolar macrophages. Bachelet M, et al. **Biochim Biophys Acta** 1986 Sep 12; 878(2):177–83

The effect of platelet activating factor on pulmonary beta-adrenoceptors. Barnes PJ, et al. **Br J Pharmacol** 1987 Apr;90(4):709–15

Antagonism of vasoconstriction induced by platelet-activating factor in guinea-pig perfused hearts by selective platelet-activating factor receptor antagonists. Piper PJ, et al. **Br J Pharmacol** 1987 Apr;90(4):771–83

Synthesis and biological activity of fluorine-modified platelet activating factors. Fujita K, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):647–53

Modification of the polar head group of platelet-activating factor: influence on the biologic.l activity. Ostermann G, et al. **Chem Phys Lipids** 1987 May;43(4):247–55

Interactions between local inflammatory and systemic haematological effects of PAF-acether in the rat. Martins MA, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):353–60

Microvascular leakage to platelet activating factor in guinea-pig trachea and bronchi. O'Donnell SR, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):385–96

Effects of platelet activating factor on tracheal mucus secretion, on airway mechanics and on circulating blood cells in live ferrets. Hahn HL, et al. **Eur J Respir Dis [Suppl]** 1986;146:277–84

Effects of platelet-activating factor on conversion of angiotensin I to II. Kawaguchi H, et al. **FEBS Lett** 1987 Sep 14;221(2):305–8

Stopped-flow spectrophotometry monitoring the initial processes of platelet activation by platelet-activating factor. Ohga Y, et al. **FEBS Lett** 1986 Oct 20;207(1):173–6

Effects of PAF-acether on electrophysiological response of isolated retina. Doly M, et al. **Int J Tissue React** 1987; 9(1):33–7

Mechanisms of vascular actions of PAF. Piper PJ, et al. **Int J Tissue React** 1987;9(1):15–7

Platelet-activating factor. A potent chemotactic and chemokinetic factor for human eosinophils. Wardlaw AJ, et al. **J Clin Invest** 1986 Dec;78(6):1701–6

Chemoattractant-induced activation of c-fos gene expression in human monocytes. Ho YS, et al. **J Exp Med** 1987 Jun 1;165(6):1524–38

Molecular design toward biologically significant compounds based on platelet activating factor: a highly selective agonist as a potential antihypertensive agent. Ohno M, et al. **J Med Chem** 1986 Oct;29(10):1812–4

Analogues of platelet activating factor. 5. Multiple oxygen substitution of the alkoxy chain. Wissner A, et al. **J Med Chem** 1986 Jul;29(7):1315–9

PAF, ketotifen and asthma [letter] Morley J, et al. **NZ Med J** 1987 Jan 28;100(816):27–8

Synthesis of ether phospholipids. Godfroid JJ, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:1–10

Thrombus induction by endogenic paf-acether and its inhibition by Ginkgo Biloba extracts in the guinea pig. Bourgain RH, et al. **Prostaglandins** 1986 Jul;32(1):142–4

Inhibition of PAF-acether induced weal and flare reaction in man by a specific PAF antagonist. Guinot P, et al. **Prostaglandins** 1986 Jul;32(1):160–3

[Synthesis and thrombocyte aggregating action of stereoisomers of PAF-acether] Kertscher HP, et al. **Pharmazie** 1986 Aug;41(8):596 **(Ger)**

[Recent medical topics on platelets in hemorrhagic and thrombotic diseases] Yamazaki H. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1370–4 (11 ref.) **(Jpn)**

[Synthesis of 1-(1-alkenyl)-2-acetyl-sn-glycero-3-phosphocholines, the aldehyded analogs of platelet activating factor] Gordeev KIu, et al. **Bioorg Khim** 1987 Jan;13(1):109–12 (Eng. Abstr.) **(Rus)**

[Synthesis of thioanalogs of platelet activating factor (PAF)] Gordeev KIu, et al. **Bioorg Khim** 1986 Jul;12(7):951–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Activation of phospholipase C in platelets by platelet activating factor and thrombin causes hydrolysis of a common pool of phosphatidylinositol 4,5-bisphosphate. Shukla SD, et al. **Biochim Biophys Acta** 1987 Jul 6; 929(2):134–41

ADVERSE EFFECTS

Platelet activating factor, ketotifen and asthma [letter] Page CP. **NZ Med J** 1986 Oct 22;99(812):818

ANALOGS & DERIVATIVES

Increased aortic PGI2 and plasma lyso-PAF in the unclipped one-kidney hypertensive rat. McGowan HM, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1361–4

Some unique features of the metabolic conversion of platelet-activating factor (AGEPC) to alkyl acyl PC by washed rabbit platelets. Homma H, et al. **Arch Biochem Biophys** 1987 Jan;252(1):259–68

1-O-alkyl-2-N-methylcarbamyl-glycerophosphocholine: a biologically potent, non-metabolizable analog of platelet-activating factor. O'Flaherty JT, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):18–24

Evidence for existence of various homologues and analogues of platelet activating factor in a lipid extract of bovine brain. Tokumura A, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):415–25

PAF-acether (1-O-hexadecyl/octadecyl-2-acetyl-sn-glycero-3-phosphocholine)-induced fibrinogen binding to platelets depends on metabolic energy. Kloprogge E, et al. **Biochem J** 1986 Sep 15;238(3):885–91

Transacylation of lyso platelet-activating factor and other

lysophospholipids by macrophage microsomes. Distinct donor and acceptor selectivities. Sugiura T, et al. **J Biol Chem** 1987 Jan 25;262(3):1199–205

Renal medullary system of blood pressure control. Muirhead EE, et al. **J Hypertens [Suppl]** 1986 Oct;4(4):S27–32 (65 ref.)

Synthesis and biochemical studies of analogs of platelet-activating factor bearing a methyl group at C2 of the glycerol backbone. Bittman R, et al. **J Lipid Res** 1987 Jun;28(6):733–8

Platelet-activating factor induces the expression of early pregnancy factor activity in female mice. Orozco C, et al. **J Reprod Fertil** 1986 Nov;78(2):549–55

Alkylacetylglycerols versus lyso-PAF as precursors in PAF biosynthesis and the role of arachidonic acid in PAF metabolism. Snyder F, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:33–41

Metabolism of 1-alkyl-2-acyl-GPC in human platelets in response to stimulation by thrombin. Alam I, et al. **Thromb Res** 1987 Feb 15;45(4):311–22

[Synthesis of 1-(1-alkenyl)-2-acetyl-sn-glycero-3-phosphocholines, the aldehyded analogs of platelet activating factor] Gordeev KIu, et al. **Bioorg Khim** 1987 Jan;13(1):109–12 (Eng. Abstr.) **(Rus)**

ANALYSIS

PAF-acether in chronic arthritis. Pettipher ER, et al. **Agents Actions** 1987 Jun;21(1-2):98–103

Measurement of platelet-activating factor by physicochemical technique s. Murphy RC, et al. **Am Rev Respir Dis** 1987 Jul;136(1):207–10 (23 ref.)

Thermospray liquid chromatography/mass spectrometry of ether phosphocholines. Mallet AI, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):541–3

Use of a bioassay for embryo-derived platelet-activating factor as a means of assessing quality and pregnancy potential of human embryos. O'Neill C, et al. **Fertil Steril** 1987 Jun;47(6):969–75

High-performance liquid chromatographic analysis of platelet activating factor on a cation-exchange column by direct ultraviolet detection. Andrikopoulos NK, et al. **J Chromatogr** 1986 Aug 29;363(2):412–7

Solid-phase extraction and reversed-phase high-performance liquid chromatographic technique for isolation and estimation of platelet activating factor in plasma. Salari H. **J Chromatogr** 1986 Oct 31;382:89–98

Species-specific variations in the molecular heterogeneity of the platelet-activating factor. Ramesha CS, et al. **J Immunol** 1987 Mar 1;138(5):1559–63

Direct evidence for the existence of a neutrophil-derived platelet activator (neutrophilin). Chignard M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8609–13

ANTAGONISTS & INHIBITORS

Antagonists of PAF-acether do not suppress thrombin-induced aggregation of ADP-deprived and aspirin-treated human platelets. Adnot S, et al. **Agents Actions** 1987 Jun;21(1-2):195–202

LG 30435, a new bronchodilator/antiallergic agent, inhibits PAF-acether induced platelet aggregation and bronchoconstriction. Criscuoli M, et al. **Agents Actions** 1986 Nov;19(3-4):246–50

Changes in cytosolic free calcium induced by platelet-activating factor in rabbit platelets: specific inhibition by BN 52021 and structurally related compounds. Baroggi N, et al. **Agents Actions [Suppl]** 1986;20:87–97

Antithrombotic activity of BN 50341, a structurally new compound with anticalcic and PAF-antagonistic properties. Etienne A, et al. **Agents Actions [Suppl]** 1986; 20:259–66

Platelet-activating factor antagonists. Saunders RN, et al. **Annu Rev Pharmacol Toxicol** 1987;27:237–55 (160 ref.)

Evaluation of PAF antagonists using human neutrophils in a microtiter plate assay. Dewald B, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2505–10

Inhibition of the metabolism of platelet activating factor (PAF-acether) by three specific antagonists from Ginkgo biloba. Lamant V, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2749–52

Triazolodiazepines: dissociation of their Paf (platelet activating factor) antagonistic and CNS activity. Casals-Stenzel J, et al. **Br J Pharmacol** 1987 Jan; 90(1):139–46

Failure of prostaglandin E2 and its 16,16-dimethyl analogue to prevent the gastric mucosal damage induced by Paf. Steel G, et al. **Br J Pharmacol** 1987 Feb;90(2):365–71

Suppression of phorbol myristate acetate-induced pleurisy by CV-3988, an antagonist of platelet-activating factor. Oh-ishi S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4896–8

Studies of platelet activating factor (PAF) antagonists from microbial products. III. Pharmacological studies of FR-900452 in animal models. Okamoto M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):3005–10

Effects of a platelet-activating factor antagonist, CV-3988, on different shock models in the rat. Toth PD, et al. **Circ Shock** 1986;20(3):193–203

Protective effect of WEB 2086, a novel antagonist of platelet activating factor, in endotoxin shock. Casals-Stenzel J. **Eur J Pharmacol** 1987 Mar 17;135(2):117–22

Interference of BN 52021 (ginkgolide B) with the bronchopulmonary effects of PAF-acether in the guinea-pig. Desquand S, et al. **Eur J Pharmacol** 1986 Aug 7;127(1-2):83–95

Potentiation and inhibition by clonidine of PAF-acether-induced human platelet activation. Fouque F, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):211–8

Effect of BN 52021, a specific PAF-acether antagonist, on cardiac anaphylaxis in Langendorff hearts isolated from passively sensitized guinea-pigs. Koltai M, et al. **Eur J Pharmacol** 1986 Oct 14;130(1-2):133–6

The effect of AD6 (8-monochloro-3-beta-diethylamino-ethyl-4-methyl-7-ethoxy- carbonylmethoxycoumarin) on washed human platelet aggregation induced by platelet activating factor (PAF) and epinephrine. Zanetti A, et al. **Eur J Pharmacol** 1986 Aug 22;128(1-2):119–27

Evidence for platelet-activating factor as a mediator of endotoxin-induced gastrointestinal damage in the rat. Effects of three platelet-activating factor antagonists. Wallace JL, et al. **Gastroenterology** 1987 Oct;93(4):765–73

Effects of WEB 2086, a novel antagonist of platelet activating factor, in active and passive anaphylaxis. Casals-Stenzel J. **Immunopharmacology** 1987 Apr;13(2):117–24

Biological properties of the antagonist SRI 63-441 in the PAF and endotoxin models of hypotension in the rat and dog. Handley DA, et al. **Immunopharmacology** 1987 Apr; 13(2):125–32

Inhibition of rhesus monkey airway and cutaneous responses to platelet-activating factor (PAF) (AGEPC) with the anti-PAF agent SRI 63-072. Patterson R, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):265–8

Inhibition of rat endotoxin-induced lethality by BN 52021 and BN 52063, compounds with PAF-acether antagonistic effect and protease-inhibitory activity. Etienne A, et al. **Int J Tissue React** 1987;9(1):19–26

Occurrence of an endogenous inhibitor of platelet-activating factor in rat liver. Miwa M, et al. **J Biol Chem** 1987 Jan 15;262(2):527–30

Protective effect of verapamil on the cardiac and circulatory alterations induced by platelet-activating factor. Alloatti G, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):181–6

Conformation and activity of tetrahydrofuran lignans and analogues as specific platelet activating factor antagonists. Biftu T, et al. **J Med Chem** 1986 Oct;29(10):1917–21

Structure-activity relationships of kadsurenone analogues. Ponpipom MM, et al. **J Med Chem** 1987 Jan;30(1):136–42

Gossypol: a potent inhibitor of PAF-acether- and leukotriene-induced contractions of guinea-pig lung parenchyma strips. Touvay C, et al. **J Pharm Pharmacol** 1987 Jun;39(6):454–8

Pharmacological actions of WEB 2086, a new specific antagonist of platelet activating factor. Casals-Stenzel J, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):974–81

CV-6209, a highly potent antagonist of platelet activating factor in vitro and in vivo. Terashita Z, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):263–8

Inhibition of the platelet activating factor (PAF)-induced in vivo responses in rats by trans-2,5-(3,4,5-trimethoxyphenyl) tetrahydrofuran (L-652,731), a PAF receptor antagonist. Wu MS, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):841–5

Effect of a ginkgolide mixture (BN 52063) in antagonising skin and platelet responses to platelet activating factor in man. Chung KF, et al. **Lancet** 1987 Jan 31;1(8527):248–51

Triazolodiazepines are potent antagonists of platelet activating factor (PAF) in vitro and in vivo. Casals-Stenzel J. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):351–5

Neuropeptides and leukotriene release: effect of peptide histidine isoleucine and secretin in platelet activating factor-stimulated rat lung. Di Marzo V, et al. **Neuropeptides** 1987 Jan;9(1):51–8

Interference of BN 52021, a PAF-acether antagonist, with endotoxin-induced hypotension in the guinea-pig. Adnot S, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:197–200

Protection by two ginkgolides, BN-52020 and BN-52021, against guinea-pig lung anaphylaxis. Berti F, et al. **Pharmacol Res Commun** 1986 Sep;18(9):775–93

WEB 2086. A potent PAF antagonist exerts protective effect toward PAF-induced gastric damage. Brambilla A, et al. **Pharmacol Res Commun** 1987 Feb;19(2):147–51

Crystal and molecular structure of BN 52021, a PAF-acether antagonist. Comparison with the conformation of Kadsurenone and related compounds. Dupont L, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:25–32

Inhibitory effects of a novel platelet activating factor (PAF) antagonist (BN 52021) on antigen-induced prostaglandin and thromboxane formation by the guinea pig lung. Harczy M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:111–7

Pharmacological control of the in vivo passive anaphylactic shock by the PAF-acether antagonist compound BN 52021. Vilain B, et al. **Pharmacol Res Commun** 1986 Aug; 18 Suppl:119–26

Interference of the PAF-acether antagonist BN 52021 with endotoxin-induced hypotension in the guinea-pig. Adnot S, et al. **Prostaglandins** 1986 Dec;32(6):791–802

Salicylates inhibit PAF-acether-induced rat paw oedema when cyclooxygenase inhibitors are ineffective. Cordeiro RS, et al. **Prostaglandins** 1986 Nov;32(5):719–27

Interference of the PAF-acether antagonist BN 52021 with passive anaphylaxis in the guinea-pig. Lagente V, et al. **Prostaglandins** 1987 Feb;33(2):265–74

PAF antagonists: different effects on platelets, neutrophils, guinea pig ileum and PAF-induced vasodilation in isolated rat lung. Voelkel NF, et al. **Prostaglandins** 1986 Sep; 32(3):359–72

Inhibition of PAF-induced systemic responses in the rat, guinea pig, dog and primate by the receptor antagonist SRI 63-441. Handley DA, et al. **Thromb Haemost** 1986 Aug 20;56(1):40–4

Selective antagonism of platelet-activating factor (PAF)-induced aggregation and secretion in washed rabbit platelets by CV-3988, L-652731, triazolam and alprazolam. Cox CP, et al. **Thromb Res** 1987 Aug 1;47(3):249–57

Inhibition of platelet-activating factor binding to human platelets by calcium channel blockers. Valone FH. **Thromb Res** 1987 Mar 1;45(5):427–35

[Inactivation by plasma of platelet-activating factor] Satoh K, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May; 49(3):711–6 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Inhalation of endotoxin stimulates alveolar macrophage production of platelet-activating factor. Rylander R, et al. **Am Rev Respir Dis** 1987 Jan;135(1):83–6

Production of platelet-activating factor, a biologically active lipid, by vascular endothelial cells. Zimmerman GA, et al. **Am Rev Respir Dis** 1987 Jul;136(1):204–7 (36 ref.)

Thrombin stimulates neutrophil adherence by an endothelial cell-dependent mechanism: characterization of the response and relationship to platelet-activating factor synthesis. Zimmerman GA, et al. **Ann NY Acad Sci** 1986; 485:349–68

Antigen-and ionophore-stimulated synthesis of platelet-activating factor by the cloned mast cell line, MC9. Musch MW, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1243–50

Studies on the mechanism of interleukin 1 stimulation of platelet activating factor synthesis in human endothelial cells in culture. Bussolino F, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):43–54

Enzymatic synthesis of 2,3-O-isopropylidene-sn-glycerol, a chiral building block for platelet-activating factor. Suemune H, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug; 34(8):3440–4

Polymorphonuclear leukocyte-platelet interactions: acetylglyceryl ether phosphocholine-induced platelet activation under stimulation with chemotactic peptide. Oda M, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1117–23

Production of platelet-activating factor by chick retina. Bussolino F, et al. **J Biol Chem** 1986 Dec 15; 261(35):16502–8

Biosynthesis and metabolism of 1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine in rat glomerular mesangial cells. Lianos EA, et al. **J Biol Chem** 1987 Jul 5;262(19):8990–3

Synthesis of 1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine (platelet-activating factor) in exocrine glands and its control by secretagogues. Söling HD, et al. **J Biol Chem** 1986 Oct 25;261(30):13916–22

The final step in the de novo biosynthesis of platelet-activating factor. Properties of a unique CDP-choline:1-alkyl-2-acetyl-sn-glycerol choline-phosphotransferase in microsomes from the renal inner medulla of rats. Woodard DS, et al. **J Biol Chem** 1987 Feb 25;262(6):2520–7

Biosynthesis of paf-acether. IX. Role for a phosphorylation-dependent activation of acetyltransferase in antigen-stimulated mouse mast cells. Ninio E, et al. **J Immunol** 1987 Jul 1;139(1):154–60

Production of platelet-activating factor by stimulated human polymorphonuclear leukocytes. Correlation of synthesis with release, functional events, and leukotriene B4 metabolism. Sisson JH, et al. **J Immunol** 1987 Jun 1; 138(11):3918–26

1-Acyl-2-acetyl-sn-glycero-3-phosphocholine from stimulated human polymorphonuclear leukocytes. Satouchi K, et al. **Lipids** 1987 Apr;22(4):285–7

Interleukin 1 stimulates platelet activating factor production in cultured human endothelial cells. Bussolino F, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:133–7

Production of PAF-acether and leukotrienes by cultured mouse macrophages. Haye-Legrand I, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:239–42

Endogenic PAF-acether production by guinea pig endothelial cells in experimental arterial thrombosis. Maes L, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:81–9

Relative roles of leukotrienes and platelet activating factor in experimentally-induced gastric ulceration. Rainsford KD. **Pharmacol Res Commun** 1986 Aug;18 Suppl:209–15

Alkylacetylglycerols versus lyso-PAF as precursors in PAF biosynthesis and the role of arachidonic acid in PAF metabolism. Snyder F, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:33–41

The effect of endogenous eicosapentaenoic acid on PMN leukotriene and PAF biosynthesis. Pickett WC, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2-3):135–40

[Synthesis of paf-acether by E. coli K12] Thomas Y, et al. **C R Acad Sci [III]** 1986;303(17):699–702 (Eng. Abstr.) **(Fre)**

BLOOD

Prostaglandins, leukotrienes, and platelet-activating factor in shock. Feuerstein G, et al.
Annu Rev Pharmacol Toxicol 1987;27:301-13 (71 ref.)

The role of Ca2+ in regulating the catabolism of PAF-acether (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) in rabbit platelets. Touqui L, et al. **Biochem J** 1987 Jan 15; 241(2):555-60

Human neutrophil platelet-activating factor: molecular heterogeneity in unstimulated and ionophore-stimulated cells. Ramesha CS, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):60-6

CHEMICAL SYNTHESIS

Synthesis and biological activity of fluorine-modified platelet activating factors. Fujita K, et al.
Chem Pharm Bull (Tokyo) 1987 Feb;35(2):647-53

DEFICIENCY

Age-related deficiency of the synthesis of platelet activating factor by leukocytes from Zellweger patients. Sturk A, et al. **Blood** 1987 Aug;70(2):460-3

IMMUNOLOGY

Pharmacological analysis of guinea-pig macrophage chemiluminescence responses to platelet activating factor and opsonized zymosan. Parnham MJ, et al.
Int J Immunopharmacol 1986;8(8):951-9

Preferential human eosinophil chemotactic activity of the platelet-activating factor (PAF) 1-0-hexadecyl-2-acetyl-sn-glyceryl-3-phosphocholine (AGEPC). Sigal CE, et al. **J Clin Immunol** 1987 Mar; 7(2):179-84

ISOLATION & PURIFICATION

Evidence for existence of various homologues and analogues of platelet activating factor in a lipid extract of bovine brain. Tokumura A, et al.
Biochem Biophys Res Commun 1987 May 29;145(1):415-25

METABOLISM

Conference summary: lipid mediators in the pulmonary circulation. Brigham KL. **Am Rev Respir Dis** 1987 Sep; 136(3):785-8

Potential role of eicosanoids and PAF in the pathophysiology of bronchopulmonary dysplasia. Stenmark KR, et al.
Am Rev Respir Dis 1987 Sep;136(3):770-2

Some unique features of the metabolic conversion of platelet-activating factor (AGEPC) to alkyl acyl PC by washed rabbit platelets. Homma H, et al.
Arch Biochem Biophys 1987 Jan;252(1):259-68

Triazolobenzodiazepines competitively inhibit the binding of platelet activating factor (PAF) to human platelets. Chesney CM, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):359-66

Cooperativity between platelet-activating factor and collagen in platelet aggregation. Kojima S, et al.
Biochem Biophys Res Commun 1987 Jun 15;145(2):915-20

GTP regulation of platelet-activating factor binding to human neutrophil membranes. Ng DS, et al.
Biochem Biophys Res Commun 1986 Nov 26;141(1):353-9

The metabolism of lyso-platelet-activating factor (1-O-alkyl-2-lyso-sn-glycero-3-phosphocholine) by a calcium-dependent lysophospholipase D in rabbit kidney medulla. Kawasaki T, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):85-93

Metabolism of platelet-activating factor (alkylacetylphosphocholine) by type-II epithelial cells and fibroblasts from rat lungs. Kumar R, et al.
Biochim Biophys Acta 1987 Jan 13;917(1):33-41

Platelet-activating factor binding to human platelet membranes. Valone FH, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):465-70

In vitro and in vivo effects of treatment by platelet-activating factor on N-formyl-met-leu-phe-mediated responses of polymorphonuclear leucocytes. Ingraham LM, et al.
Br J Haematol 1987 Jun;66(2):219-25

Increased levels of eosinophil-derived PAF-acether activity in a patient with idiopathic hypereosinophilic syndrome. Chamone DF, et al. **Braz J Med Biol Res** 1986;19(1):135-6

Antigenic release of paf-acether and beta-glucuronidase from alveolar macrophages of asthmatics. Arnoux B, et al.
Bull Eur Physiopathol Respir 1987 Mar-Apr;23(2):119-24

Increased levels of platelet-activating factor in blood from patients with cirrhosis of the liver. Caramelo C, et al.
Eur J Clin Invest 1987 Feb;17(1):7-11

Ionophore-stimulated rat basophilic leukemia cells produce PAF-acether. Purdon AD, et al.
Int Arch Allergy Appl Immunol 1987;82(2):215-7

Binding and internalization of platelet-activating factor 1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine in washed rabbit platelets. Homma H, et al. **J Biol Chem** 1987 Aug 5;262(22):10582-7

Specific binding of [3H]dihydrokadsurenone to rabbit platelet membranes and its inhibition by the receptor agonists and antagonists of platelet-activating factor. Hwang SB, et al.
J Biol Chem 1986 Oct 15;261(29):13720-6

Metabolism of platelet-activating factor by arachidonic acid-depleted rat polymorphonuclear leukocytes. Ramesha CS, et al. **J Biol Chem** 1986 Nov 25;261(33):15519-23

Human plasma platelet-activating factor acetylhydrolase. Association with lipoprotein particles and role in the degradation of platelet-activating factor. Stafforini DM, et al. **J Biol Chem** 1987 Mar 25;262(9):4215-22

Metabolism of platelet-activating factor in isolated perfused rat lung. Haroldsen PE, et al. **J Clin Invest** 1987 Jun; 79(6):1860-7

The intracellular retention of newly synthesized platelet-activating factor. Lynch JM, et al. **J Immunol** 1986 Oct 15;137(8):2653-61

Biologic properties of LTB4 and paf-acether in vivo in human skin. Michel L, et al. **J Invest Dermatol** 1987 Jun; 88(6):675-81

Platelet activating factor biosynthesis and degradation in rat glomeruli. Zanglis A, et al. **J Lab Clin Med** 1987 Sep; 110(3):330-7

A phospholipase C with a high specificity for platelet-activating factor in rabbit liver light mitochondria. Nishihira J, et al. **Lipids** 1986 Dec;21(12):780-5

Measurement of key enzyme activities involved in the metabolism of platelet activating factor. Snyder F, et al.
Methods Enzymol 1987;141:379-96

Plasma from atherosclerotic patients exerts an increased degradation of platelet-activating factor. Ostermann G, et al. **Thromb Res** 1987 Aug 1;47(3):279-85

The role of lipoproteins in the degradation of platelet-activating factor. Ostermann G, et al.
Thromb Res 1986 Nov 1;44(3):303-14

[Effects of SIN-1, a metabolite of molsidomine, on paf-acether-blood platelets interactions] Nunez D, et al.
Pathol Biol (Paris) 1987 Feb;35(2 Pt 2):215 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Vivo effects of PAF-acether and arterial thrombosis. Bourgain RH, et al. **Adv Exp Med Biol** 1986;200:439-47

Pharmacologic analysis of 1-0-alkyl-2-acetyl-sn-glycero-3-phosphocholine-induced increases in cutaneous vascular permeability in the rat. Kusner EJ, et al. **Agents Actions** 1987 Feb;20(1-2):61-8

The pattern of cardiovascular alterations induced by infusion of platelet-activating factor in rabbit is modified by pretreatment with H1-H2 receptor antagonists but not by cyclooxygenase inhibition. Montrucchio G, et al.
Agents Actions 1987 Jun;21(1-2):72-8

Microvascular actions of platelet-activating factor on rat gastric mucosa and submucosa. Whittle BJ, et al.
Am J Physiol 1986 Dec;251(6 Pt 1):G772-8

Effect of platelet-activating factor on aerosol histamine responsiveness in awake sheep. Christman BW, et al.
Am Rev Respir Dis 1987 Jun;135(6):1267-70

Low-temperature fluorescence emission changes in thylakoids induced by acetyl glyceryl ether phosphorylcholine (AGEPC). Argyroudi-Akoyunoglou JH, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):38-47

Effect of platelet-activating factor on beta-adrenoceptors in human lung. Agrawal DK, et al.
Biochem Biophys Res Commun 1987 Feb 27;143(1):1-6

Lack of correlation between calcium mobilization and respiratory burst activation induced by chemotactic factors in rabbit polymorphonuclear leukocytes. Hartiala KT, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):794-800

Spasmogenic effect of platelet activating factor (PAF) on isolated rat stomach fundus strip. Levy JV.
Biochem Biophys Res Commun 1987 Jul 31;146(2):855-60

Inhibition of human lymphocyte proliferation and interleukin 2 production by platelet activating factor (PAF-acether): reversal by a specific antagonist, BN 52021. Rola-Pleszczynski M, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):754-60

Effects of AGEPC on the intracellular levels of ions in Tetrahymena pyriformis. Tselepis A, et al. **Biochem Int** 1986 Dec;13(6):999-1008

Platelet-activating factor (PAF-acether) induces high- and low-affinity binding of fibrinogen to human platelets via independent mechanisms. Kloprogge E, et al.
Biochem J 1986 Dec 1;240(2):403-12

Mobilization of hepatic calcium pools by platelet activating factor. Lapointe DS, et al. **Biochemistry** 1987 Mar 24; 26(6):1568-74

Alkylacetylglycerophosphocholine stimulates Na+-Ca2+ exchange, protein phosphorylation and polyphosphoinositide turnover in rat ileal plasmalemmal vesicles. Kester M, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):306-15

Heterogeneity of vascular smooth muscle responsiveness to lipid vasoactive mediators. Stahl GL, et al.
Blood Vessels 1987;24(1-2):24-30

Electrophysiological effects of acetyl glyceryl ether phosphorylcholine on cardiac tissues: comparison with lysophosphatidylcholine and long chain acyl carnitine. Nakaya H, et al. **Br J Pharmacol** 1986 Dec;89(4):749-57

Platelet-activating factor effects on bovine pulmonary artery endothelial cells. Grigorian GY, et al. **Circ Res** 1987 Sep; 61(3):389-95

L-platelet activating factor induces changes on renal vascular resistance, vascular reactivity, and renin release in the isolated perfused rat kidney. Schwertschlag U, et al.
Circ Res 1987 Apr;60(4):534-9

Electrocardiographic alterations induced by AGEPC in Wistar rats in relation to its hypotensive and hematologic effects. Tselepis AD, et al. **Comp Biochem Physiol [C]** 1987; 87(1):41-6

Effects of ionic substitution on [Ca2+]i rises evoked by thrombin and PAF in human platelets. Sage SO, et al.
Eur J Pharmacol 1986 Aug 22;128(1-2):99-107

Elevation of cytosolic free calcium by platelet-activating factor in cultured rat mesangial cells. Kester M, et al.
FASEB J 1987 Sep;1(3):215-9

Platelet activating factor vasoconstriction of dog kidney. Inhibition by alprazolam. Baer PG, et al. **Hypertension** 1987 Mar;9(3):253-60

Rapid intracellular calcium changes in U937 monocyte cell line: transient increases in response to platelet-activating factor and chemotactic peptide but not interferon-gamma or lipopolysaccharide. Maudsley DJ, et al. **Immunology** 1987 Jun;61(2):189-94

Inhibition and reversal of endotoxin-, aggregated IgG- and paf-induced hypotension in the rat by SRI 63-072, a paf receptor antagonist. Handley DA, et al.
Immunopharmacology 1986 Aug;12(1):11-6

The responsiveness of rabbit bronchial rings to antigen, AGEPC and histamine. Smith PF, et al.
Immunopharmacology 1986 Oct;12(2):89-96

Characterization of platelet activating factor (PAF)-acether-induced contractions of guinea-pig lung strips by selected inhibitors of arachidonic acid metabolism and by PAF-acether antagonists. Touvay C, et al.
Immunopharmacology 1986 Oct;12(2):97-104

Influence of lysophospholipids and PAF on the oxidative burst of PMNL. Englberger W, et al.
Int J Immunopharmacol 1987;9(3):275-82

Platelet-activating factor increases lung vascular permeability to protein. Burhop KE, et al.
J Appl Physiol 1986 Dec;61(6):2210-7

Parasympathetic involvement in PAF-induced contraction in canine trachealis in vivo. Leff AR, et al.
J Appl Physiol 1987 Feb;62(2):599-605

Platelet-activating factor stimulation of rabbit platelets is blocked by serine protease inhibitor (chymotryptic protease inhibitor). Sugatani J, et al. **J Biol Chem** 1987 Apr 25; 262(12):5740-7

Biochemical events associated with the stimulation of rabbit neutrophils by platelet-activating factor. Naccache PH, et al. **J Leukocyte Biol** 1986 Nov;40(5):533-48

A platelet-aggregating and hypotensive phospholipid isolated from bovine brain. Yoshida J, et al.
J Pharm Pharmacol 1986 Dec;38(12):878-82

Potentiation by bovine serum albumin (BSA) of endothelium-dependent vasodilator response to acetyl glyceryl ether phosphorylcholine (AGEPC). Shigenobu K, et al. **J Pharmacobiodyn** 1987 May;10(5):220-8

Desensitization to PAF-induced rat paw oedema by repeated intraplantar injections. Cordeiro RS, et al. **Life Sci** 1986 Nov 17;39(20):1871-8

Platelet-activating factor modulates phospholipid acylation in human neutrophils. Tou JS. **Lipids** 1987 May;22(5):333-7

The effects of PAF-acether on the cardiovascular system and their inhibition by a new highly specific PAF-acether receptor antagonist BN 52021. Baranes J, et al.
Pharmacol Res Commun 1986 Aug;18(8):717-37

Platelet-activating factor contracts human myometrium in vitro. Tetta C, et al. **Proc Soc Exp Biol Med** 1986 Dec; 183(3):376-81

AGEPC, a vasodilator phospholipid with profound circulatory actions. Sybertz EJ, et al.
Prog Clin Biol Res 1986;219:133-56 (41 ref.)

Comparative effects of platelet activating factor, leukotriene D4 and histamine on guinea pig trachea, bronchus and lung parenchyma. Jancar S, et al. **Prostaglandins** 1987 Feb; 33(2):199-208

Platelet aggregation and thromboxane release induced by arachidonic acid, collagen, ADP and platelet-activating factor following low dose acetylsalicylic acid in man. Küster LJ, et al. **Prostaglandins** 1986 Sep;32(3):415-23

Enhancement of leukotriene D4-induced contraction of guinea-pig isolated trachea by platelet activating factor. Malo PE, et al. **Prostaglandins** 1987 Feb;33(2):209-25

Evidence for a dual pathway in platelet activating factor-induced aggregation of rat polymorphonuclear leucocytes. Moodley I, et al. **Prostaglandins** 1987 Feb; 33(2):253-64

Hemodynamic effects of PAF-acether on the dog kidney. Hébert RL, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):189-202

Effects of bacterial endotoxin and platelet activating factor (PAF) on human platelet aggregation in native whole blood. Davis RB, et al. **Thromb Res** 1986 Dec 1; 44(5):565-73

Platelet aggregation induced by ether-linked phospholipids. 1. Inhibitory actions of bovine serum albumin and structural analogues of platelet activating factor. Tokumura A, et al.
Thromb Res 1987 Apr 1;46(1):51-63

Platelet aggregation induced by ether-linked phospholipids. 2. Mechanism of desensitization of rabbit platelets by platelet activating factor and reversibility of inhibitory actions of its antagonists. Tokumura A, et al.
Thromb Res 1987 Apr 1;46(1):153-61

[Free cytoplasmic calcium and thrombocyte aggregation in patients with ischemic heart disease. The effect of ADP, thrombocyte activation factor and serotonin] Panchenko EP, et al.

Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1986;9(2):90–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Proofs of involvement of PAF–acether in various immune disorders using BN 52021 (ginkgolide B): a powerful PAF–acether antagonist isolated from Ginkgo biloba L. Braquet P.
Adv Prostaglandin Thromboxane Leukotriene Res 1986; 16:179–98 (82 ref.)

Platelet activating factor and asthma. Morley J.
Agents Actions 1986 Oct;19(1–2):100–8 (92 ref.)

A role for paf–acether (platelet–activating factor) in bronchial hyperreactivity? Benveniste J.
Am Rev Respir Dis 1987 Jun;135(6 Pt 2):S2–4

Platelet–activating factor causes pulmonary vasodilation in the rat. McMurtry IF, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):757–62

Comparison of cardiac and hemodynamic effects of platelet–activating factor–acether and leukotriene D4 in anesthetized dogs. Fiedler VB, et al. **Basic Res Cardiol** 1987 Mar–Apr;82(2):197–208

Effects of platelet activating factor on the chemotaxis of normodense eosinophils from normal subjects. Tamura N, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):638–44

Metabolism and function of platelet–activating factor in fetal rabbit lung development [published erratum appears in Biochim Biophys Acta 1987 Jun 23;919(3):311] Hoffman DR, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):88–96

The interaction of histamine with other bronchoconstrictor mediators. Burka JF. **Can J Physiol Pharmacol** 1987 Mar; 65(3):442–7 (53 ref.)

Atrial natriuretic peptide inhibits glomerular contraction induced by angiotensin II and platelet activating factor. Barrio V, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):93–6

Effects of PAF–acether and structural analogues on platelet activation and bronchoconstriction in guinea–pigs. Coëffier E, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):179–88

PAF–acether–induced synthesis of prostacyclin by human endothelial cells. D'Humières S, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):13–9

Role of platelet–activating factor in adriamycin–induced nephropathy in rats. Egido J, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):119–23

Aggregation responses to platelet–activating factor in normal subjects. Caffrey E, et al. **Haemostasis** 1987;17(3):171–2

Effects of platelet–activating factor on electrophysiology of isolated retinas and their inhibition by BN 52021, a specific PAF–acether receptor antagonist. Doly M, et al.
Immunopharmacology 1987 Jun;13(3):189–94

Use of steroidal antiinflammatory drug provides further evidence for a potential role of PAF–acether in bronchial anaphylaxis. Chignard M, et al.
Int Arch Allergy Appl Immunol 1986;81(2):184–5

Platelet–activating factor in late asthmatic response. Nakamura T, et al. **Int Arch Allergy Appl Immunol** 1987; 82(1):57–61

Cardiovascular alterations in the rabbit infused with platelet activating factor (PAF): effect of kadsurenone, a PAF–receptor antagonist. Montrucchio G, et al.
Int J Tissue React 1986;8(6):497–504

A role for platelet activating factor and platelets in the induction of bronchial hyperreactivity. Page CP.
Int J Tissue React 1987;9(1):27–32 (38 ref.)

Platelet–activating factor mediates hemodynamic changes and lung injury in endotoxin–treated rats. Chang SW, et al. **J Clin Invest** 1987 May;79(5):1498–509

Platelet–activating factor: mediator of the third pathway of platelet aggregation? A study in three patients with deficient platelet–activating factor synthesis. Sturk A, et al. **J Clin Invest** 1987 Feb;79(2):344–50

Arachidonate metabolites, platelet–activating factor, and the mobilization of protein kinase C in human polymorphonuclear neutrophils. O'Flaherty JT, et al.
J Immunol 1987 Mar 15;138(6):1889–95

Receptor antagonist of platelet activating factor inhibits inflammatory injury induced by in situ formation of immune complexes in renal glomeruli and in the skin. Camussi G, et al. **J Lab Clin Med** 1987 Aug;110(2):196–206

Platelet–activating factor stimulates metabolism of phosphoinositides via phospholipase A2 in primary cultured rat hepatocytes. Okayasu T, et al. **J Lipid Res** 1987 Jul;28(7):760–7

Structure–activity relationship in PAF–acether. 3. Hydrophobic contribution to agonistic activity. Godfroid JJ, et al. **J Med Chem** 1987 May;30(5):792–7

Platelet activating factor (PAF) as a mediator of injury in nephrotoxic nephritis. Bertani T, et al. **Kidney Int** 1987 Jun;31(6):1248–56

Embryo–deprived platelet–activating factor is essential for establishment of pregnancy in the mouse [letter] Spinks NR, et al. **Lancet** 1987 Jan 10;1(8524):106–7

Pathobiology of platelet–activating factors. McManus LM. **Pathol Immunopathol Res** 1986;5(2):104–17 (100 ref.)

PAF and leukotrienes '85. Proceedings of the meeting. Paris, September 27th 1985. **Pharmacol Res Commun** 1986 Aug; 18 Suppl:1–242

Stimulus amplification by PAF and LTB4 in human neutrophils. Baggiolini M, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:51–9

PAF–acether and leukotriene participation in acute circulatory shock. Bessin P. **Pharmacol Res Commun** 1986 Aug;18 Suppl:139–50

Platelet–activating factor (PAF–acether) induced leukotriene C4 formation and luminol dependent chemiluminescence by human eosinophils. Bruynzeel PL, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:61–9

Comparative effects of leukotrienes and PAF–acether electrophysiological activity of the rat retina. Doly M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:201–8

The relative role of PAF–acether and icosanoids in septic shock. Etienne A, et al. **Pharmacol Res Commun** 1986 Aug; 18 Suppl:71–9

The causal role of PAF and leukotrienes in acute cardiac allograft rejection in rats. Foegh ML, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:127–32

Coronary and pulmonary vascular effects of leukotrienes and PAF–acether. Goldstein RE, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:151–62

Evidence favouring PAF rather than leukotrienes in the pathogenesis of asthma. Page CP, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:217–37

Hemodynamic effects of PAF–acether. Plante GE, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:173–9

Evidence of a role for PAF–acether in the pathophysiology of the shock state. Sanchez Crespo M, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:181–96

Platelet–activating factor–induced vasoconstriction in rat isolated, perfused hearts: contribution of cyclo–oxygenase and lipoxygenase arachidonic acid metabolites. Stewart AG, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:163–72

Comparative effects of drugs on leukotrienes–, PAF–acether– and histamine– induced contractions of guinea–pig lung parenchymal strips. Touvay C, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:91–110

Perspectives in platelet–activating factor research. Braquet P, et al. **Pharmacol Rev** 1987 Jun;39(2):97–145 (522 ref.)

On the pathogenesis of adult respiratory distress syndrome—the role of anaphylatoxins, leukotrienes and platelet activating factor. Pison U, et al.
Prog Clin Biol Res 1987;236A:317–26

Desensitization and antagonism of rat polymorphonuclear leukocytes stimulated with PAF acether. Braquet P, et al. **Prostaglandins** 1987 Jan;33(1):37–50

A study with BN 52021 demonstrates the involvement of PAF–acether in IgE–dependent anaphylactic bronchoconstriction. Cirino M, et al. **Prostaglandins** 1986 Jul;32(1):121–6

In vitro contractile effect of platelet–activating factor on guinea–pig myometrium. Montrucchio G, et al.
Prostaglandins 1986 Oct;32(4):539–54

The effect of PAF (platelet–activating factor) on experimental cardiac arrhythmias and its inhibition by substances influencing arachidonic acid metabolites. Riedel A, et al. **Prostaglandins Leukotrienes Med** 1987 Jun; 28(1):103–9

Sensitivity to PAF is increased in migraine patients [letter] Joseph R, et al. **Thromb Haemost** 1987 Feb 3;57(1):125

Prolonged bleeding time, reduced platelet aggregation, altered PAF–acether sensitivity and increased platelet mass are a trait of asthma and hay fever. Szczeklik A, et al.
Thromb Haemost 1986 Dec 15;56(3):283–7

Leukotrienes do not modify the effects of PAF on human platelet aggregation. Filep J, et al. **Thromb Res** 1987 Mar 15;45(6):865–70

Mechanism of PAF–induced platelet aggregation in man. Küster LJ, et al. **Thromb Res** 1986 Aug 15;43(4):425–33

Effect of BN 52021, a specific antagonist of platelet activating factor (PAF–acether), on calcium movements and phosphatidic acid production induced by PAF–acether in human platelets. Simon MF, et al. **Thromb Res** 1987 Feb 15;45(4):299–309

First International Alexis Carrel Conference on Lipid Mediators in Organ Transplantation. April 8–10, 1986, Washington, DC. **Transplant Proc** 1986 Oct;18(5 Suppl 4):1–118

[Platelet activating factor] Deguchi K, et al.
Nippon Rinsho 1987 May;45(5):1115–26 (47 ref.) **(Jpn)**

SECRETION

Release of platelet–activating factor from rabbit heart perfused in vitro by sera with transplantation alloantibodies. Camussi G, et al. **Transplantation** 1987 Jul;44(1):113–8

TOXICITY

Paf–acether–induced death in mice: involvement of arachidonate metabolites and beta–adrenoceptors. Criscuoli M, et al. **Br J Pharmacol** 1987 Jan;90(1):203–9

Effects of inhibitors of arachidonic acid metabolism on Paf–induced gastric mucosal necrosis and haemoconcentration. Wallace JL, et al. **Br J Pharmacol** 1986 Oct;89(2):415–22

Interactions between granulocytes and platelets with the guinea–pig lung in passive anaphylactic shock. Correlations with PAF–acether–induced lesion. Lellouch–Tubiana A, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):198–205

Ontogeny of the responsiveness to intravenous platelet–activating factor. Angle MJ, et al. **Lab Invest** 1987 Sep;57(3):321–8

Profile of gastrointestinal damage induced by platelet–activating factor. Wallace JL, et al.
Prostaglandins 1986 Jul;32(1):137–41

PLATELET ADHESIVENESS

see related
PLATELET MEMBRANE GLYCOPROTEINS

Platelet membrane glycoproteins and their role in platelet adhesion and aggregation. Nurden AT.
Agents Actions [Suppl] 1986;20:29–44 (59 ref.)

The role of platelet membrane glycoproteins in the adhesion of blood platelets. Sixma JJ. **Agents Actions [Suppl]** 1986; 20:15–26 (33 ref.)

Role of platelets and thrombosis in mechanisms of acute occlusion and restenosis after angioplasty. Harker LA.
Am J Cardiol 1987 Jul 31;60(3):20B–28B (118 ref.)

Platelet adhesion and prevention at blood–polymer interface. Kim SW. **Artif Organs** 1987 Jun;11(3):228–36

Interaction of polystyrene/poly(gamma–benzyl L–glutamate) and poly(methyl methacrylate)/poly(gamma–benzyl L–glutamate) block copolymers with plasma proteins and platelets. Mori A, et al. **Biomaterials** 1986 Sep;7(5):386–92

Fibrinogen adsorption and platelet adhesion at the surface of modified polypropylene glycol/polysiloxane networks. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):379–85

Platelet structural physiology: the ultrastructure of adhesion, secretion, and aggregation in arterial thrombosis. White JG. **Cardiovasc Clin** 1987;18(1):13–33

Identification of a 160,000 dalton platelet membrane protein that mediates the initial divalent cation–dependent adhesion of platelets to collagen. Santoro SA. **Cell** 1986 Sep 12; 46(6):913–20

Platelet functions and factor VIII Ag in coronary heart disease. Yu GR, et al. **Chin Med J [Engl]** 1987 Feb; 100(2):116–7

Surface mechanisms of platelet adhesion and aggregation. Balduini CL, et al. **Haematologica (Pavia)** 1987 May–Jun; 72(3):261–8 (80 ref.)

Influence of heparin, aspirin, streptokinase and factor VIII (AHF) on amorphous electron–dense substance, a mediator of platelet and thrombus adhesion in vivo. Herrmann KS, et al. **Haemostasis** 1987;17(1–2):59–65

Platelet adhesiveness in diabetes mellitus and hypertension. Taneja P, et al. **Indian Heart J** 1986 May–Jun;38(3):195–7

Role of platelet activation and fibrin formation in thrombogenesis. Vermylen J, et al. **J Am Coll Cardiol** 1986 Dec;8(6 Suppl B):2B–9B (31 ref.)

Platelet adhesiveness in diabetes mellitus with and without vascular complications. Ramani A, et al.
J Assoc Physicians India 1986 Nov;34(11):792–3

An in vitro study of the adhesion of blood platelets onto vascular catheters. Part I. Engbers GH, et al.
J Biomed Mater Res 1987 May;21(5):613–27

Prostacyclin immobilized albuminated surfaces. Joseph G, et al. **J Biomed Mater Res** 1987 Jul;21(7):937–45

Suppression of platelet activity on microdomain surfaces of 2–hydroxyethyl methacrylate–polyether block copolymers. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):1035–47

Effect of microstructure of poly(propylene–oxide)–segmented polyamides on platelet adhesion. Yui N, et al. **J Biomed Mater Res** 1986 Sep; 20(7):929–43

Thrombospondin: a modular adhesive glycoprotein of platelets and nucleated cells. Frazier WA. **J Cell Biol** 1987 Aug;105(2):625–32 (66 ref.)

Monoclonal antibodies to the glycoprotein IIb–IIIa epitopes involved in adhesive protein binding: effects on platelet spreading and ultrastructure on human arterial subendothelium. Lawrence JB, et al. **J Lab Clin Med** 1987 Apr;109(4):495–503

Indium 111–labeled platelet deposition in woven and knitted Dacron bifurcated aortic grafts with the same patient as a clinical model. Robicsek F, et al. **J Vasc Surg** 1987 Jun; 5(6):833–7

Accumulation of thromboxane B2 within periovulatory ovine follicles: relationship to adhesion of platelets to endothelium. Murdoch WJ. **Prostaglandins** 1986 Oct; 32(4):597–604

Correlative light and electron microscopy of platelet adhesion and fibrinogen receptor expression using colloidal–gold labeling. Goodman SL, et al.
Scanning Microsc 1987 Jun;1(2):727–34

A stagnation point flow technique to measure platelet adhesion onto polymer films from native blood—a technical report. Wurzinger LJ, et al. **Thromb Res** 1986 Nov 1;44(3):401–6

[Measurement of platelet adhesion using collagen immobilized beads] Aihara M, et al.
Nippon Ketsueki Gakkai Zasshi 1986 May;49(3):739–41 (Eng. Abstr.) **(Jpn)**

[Platelet adhesiveness (membrane charges)] Ukita M.
Rinsho Byori 1987 Jun;Spec No 71:229–34 (11 ref.) **(Jpn)**

[Increased adhesive and aggregation activity of the platelets of ischemic heart disease patients with stable stenocardia] Sinitsyn VE, et al. **Kardiologiia** 1987 Feb;27(2):96–7 **(Rus)**

[Thrombocytic component of hemostasis in chronic nonspecific lung diseases] Bokarev IN, et al. **Sov Med** 1986; (10):20–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Potentiation by adrenaline of human platelet activation and

the inhibition by the alpha-adrenergic antagonist nicergoline of platelet adhesion, secretion and aggregation. Lanza F, et al. **Agents Actions** 1986 Aug;18(5–6):586–95

Effects of dipyridamole and low-dose aspirin therapy on platelet adhesion to vascular subendothelium. Lauri D, et al. **Am J Cardiol** 1986 Dec 1;58(13):1261–4

Reduced platelet adhesion and activation of coagulation factors on polyurethane treated with albumin–IgG complex. Mohammad SF, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):323–6

Glycoprotein IIb–IIIa and platelet adhesion [letter] Harrington R. **Blood** 1987 May;69(5):1546–7

Thrombogenicity of a fibronectin-coated, experimental polytetrafluoroethylene graft. Kempczinski RF, et al. **Surgery** 1987 Apr;101(4):439–44

Effect of fibronectin and von Willebrand factor on the adhesion of human fixed washed platelets to collagen immobilized beads. Aihara M, et al. **Thromb Res** 1986 Dec 1;44(5):661–72

Aspirin does not inhibit platelet adherence to and detachment from collagen-coated glass. Feuerstein IA. **Thromb Res** 1987 Jun 1;46(5):751–4

[Effects of qixue injections on the function of platelets in coronary disease patients] Wang SR, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):12–4, 3 (Eng. Abstr.) **(Chi)**

[Antithrombotic effect of daphnetin in the rat] Qu SY, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):498–501 (Eng. Abstr.) **(Chi)**

[Effect of amiodarone on selected functions of blood platelets in patients with premature ventricular excitation] Florkiewicz H, et al. **Pol Tyg Lek** 1986 Sep 22; 41(38):1214–7 (Eng. Abstr.) **(Pol)**

[Structural and chemical transformations of heat-processed polyacrylonitrile fibers and characteristic parameters of their interactions with thrombocytes and plasma proteins] Nemets EA, et al. **Polim Med** 1986;16(3–4):137–47 (Eng. Abstr.) **(Rus)**

PLATELET AGGREGATION

see related

PLATELET MEMBRANE GLYCOPROTEINS

Mitral valve prolapse and platelet aggregation in patients with hemiplegic and non-hemiplegic migraine. Pfaffenrath V, et al. **Acta Neurol Scand** 1987 Apr;75(4):253–7

Platelet aggregation in type I diabetics with and without proliferative retinopathy. Agardh CD, et al. **Acta Ophthalmol (Copenh)** 1987 Jun;65(3):358–62

Heřmanský–Pudlák syndrome. Smecka Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:393–7

Platelet aggregation in primary hyperlipoproteinemia. Vaverková H, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:247–58

Eicosanoid balance at early stages of experimental atherosclerosis. Its relationship with plasma fibrinolytic activity and platelet aggregation. Korbut R, et al. **Agents Actions [Suppl]** 1986;20:225–36

Platelet membrane glycoproteins and their role in platelet adhesion and aggregation. Nurden AT. **Agents Actions [Suppl]** 1986;20:29–44 (59 ref.)

Platelet activation induced by FMLP-stimulated neutrophils. Selak MA, et al. **Agents Actions [Suppl]** 1986;20:99–107

Circulating aggregated platelets in coronary artery disease. Fuchs J, et al. **Am J Cardiol** 1987 Sep 1;60(7):534–7

Giant platelets and platelet clumping on the H6000 [letter] d'Onofrio G, et al. **Am J Clin Pathol** 1987 Jan;87(1):152–3

Measurement of light transmission or impedence should have been included in platelet study [letter] Velaskar DS, et al. **Am J Clin Pathol** 1986 Oct;86(4):554–5

Further comment on platelet study [letter] Velaskar DS, et al. **Am J Clin Pathol** 1987 Feb;87(2):292–3

Effects of a 4-week freshwater fish (trout) diet on platelet aggregation, platelet fatty acids, serum lipids, and coagulation factors. Atkinson PM, et al. **Am J Hematol** 1987 Feb;24(2):143–9

Comparative evaluation of antepartum and postpartum platelet function in smokers and nonsmokers. Leuschen MP, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1276–80

Isolation of microtubule coils from platelets after exposure to aggregating agents. White JG, et al. **Am J Pathol** 1986 Nov;125(2):319–26

Coagulation assays and platelet aggregation patterns in human, baboon, and canine blood. Feingold HM, et al. **Am J Vet Res** 1986 Oct;47(10):2197–9

Circulating platelet aggregate size in ischemic heart disease. Weinberger I, et al. **Angiology** 1986 Sep;37(9):676–82

Increased aggregation and arachidonic acid transformation by psoriatic platelets: evidence that platelet-derived 12-hydroxy-eicosatetraenoic acid increases keratinocyte DNA synthesis in vitro. Kragballe K, et al. **Arch Dermatol Res** 1986;278(6):449–53

Serum proteinase levels, platelet functional and morphological alterations in patients with cervix uteri carcinoma. Correlation with the degree of progression of the malignancy. Benítez-Bribiesca L, et al. **Arch Invest Med (Mex)** 1986 Apr–Jun;17(2):211–42 **(Eng, Spa)**

Injury of brain microvessels with a helium–neon laser and Evans blue can elicit local platelet aggregation without endothelial denudation. Povlishock JT, et al. **Arch Pathol Lab Med** 1987 May;111(5):415–21

Iliac artery mural thrombus formation. Effect of antiplatelet therapy on 111In-platelet deposition in baboons. Hanson SR, et al. **Arteriosclerosis** 1986 Sep–Oct;6(5):511–8

Characterization of a genetic difference in the platelet aggregation response of two inbred mouse strains, C57BL/6 and C3H/He. Paigen B, et al. **Atherosclerosis** 1987 Apr;64(2–3):181–90

Platelet aggregability in rats with early atherosclerotic changes induced by parenterally-administered lipid emulsions. Saladino CF, et al. **Atherosclerosis** 1987 Jul; 66(1–2):19–28

Red blood cells mediate spontaneous aggregation of platelets in whole blood. Saniabadi AR, et al. **Atherosclerosis** 1987 Aug;66(3):175–80

The role of platelet cyclooxygenase and lipoxygenase pathways in tumor cell induced platelet aggregation. Honn KV, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):384–9

Cooperativity between platelet-activating factor and collagen in platelet aggregation. Kojima S, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):915–20

Mechanisms of the mAb ALB6(CD9) induced human platelet activation: comparison with thrombin. Rendu F, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1397–404

Protection of ischemic myocardium by exogenous phosphocreatine (neoton): pharmacokinetics of phosphocreatine, reduction of infarct size, stabilization of sarcolemma of ischemic cardiomyocytes, and antithrombotic action. Sharov VG, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):101–14

Inhibition of protein cross-linking in Ca2+-enriched human erythrocytes and activated platelets. Lorand L, et al. **Biochemistry** 1987 Jan 13;26(1):308–13

Human platelet calmodulin-binding proteins: identification and Ca2+-dependent proteolysis upon platelet activation. Wallace RW, et al. **Biochemistry** 1987 May 19; 26(10):2766–73

Analysis of shear-induced platelet aggregation with population balance mathematics. Belval TK, et al. **Biophys J** 1986 Sep;50(3):479–87

Platelet aggregation in whole blood from patients with Glanzmann's thrombasthenia. Burgess-Wilson ME, et al. **Blood** 1987 Jan;69(1):38–42

Studies investigating platelet aggregation and release initiated by sera from patients with thrombotic thrombocytopenic purpura. Kelton JG, et al. **Blood** 1987 Mar;69(3):924–8

Patients with a prolonged bleeding time and normal aggregation tests may have storage pool deficiency: studies on one hundred six patients. Nieuwenhuis HK, et al. **Blood** 1987 Sep;70(3):620–3

Increased surface expression of the membrane glycoprotein IIb/IIIa complex induced by platelet activation. Relationship to the binding of fibrinogen and platelet aggregation. Niiya K, et al. **Blood** 1987 Aug;70(2):475–83

Shear-induced platelet aggregation requires von Willebrand factor and platelet membrane glycoproteins Ib and IIb–IIIa. Peterson DM, et al. **Blood** 1987 Feb;69(2):625–8

Detection of activated platelets in whole blood using activation-dependent monoclonal antibodies and flow cytometry. Shattil SJ, et al. **Blood** 1987 Jul;70(1):307–15

Expression of fibrinogen receptors during activation and subsequent desensitization of human platelets by epinephrine. Shattil SJ, et al. **Blood** 1986 Dec;68(6):1224–31

Heparin-induced thrombocytopenia: further studies of the effects of heparin-dependent antibodies on platelets. Chong BH, et al. **Br J Haematol** 1986 Oct;64(2):347–54

Cell surface sialylation of two human tumor cell lines and its correlation with their platelet-activating activity. Bastida E, et al. **Cancer Res** 1987 Apr 1;47(7):1767–70

Effect of human tumor cells on platelet aggregation: potential relevance to pattern of metastasis. Mehta P, et al. **Cancer Res** 1987 Jun 15;47(12):3115–7

Effects of thromboxane A2 inhibition on osteogenic sarcoma cell-induced platelet aggregation. Mehta P, et al. **Cancer Res** 1986 Oct;46(10):5061–3

Acquisition of metastatic ability in hybridomas between two low metastatic clones of murine colon adenocarcinoma 26 defective in either platelet-aggregating activity or in vivo growth potential. Sugimoto Y, et al. **Cancer Res** 1987 Aug 15;47(16):4396–401

Platelet structural physiology: the ultrastructure of adhesion, secretion, and aggregation in arterial thrombosis. White JG. **Cardiovasc Clin** 1987;18(1):13–33

Modification of the polar head group of platelet-activating factor: influence on the biological activity. Ostermann G, et al. **Chem Phys Lipids** 1987 May;43(4):247–55

Platelet functions and factor VIII Ag in coronary heart disease. Yu GR, et al. **Chin Med J [Engl]** 1987 Feb; 100(2):116–7

Porcine coronary arteries with regenerated endothelium have a reduced endothelium-dependent responsiveness to aggregating platelets and serotonin. Shimokawa H, et al. **Circ Res** 1987 Aug;61(2):256–70

Acute myocardial ischemia: role of atherosclerosis, thrombosis, platelet activation, coronary vasospasm, and altered arachidonic acid metabolism. Conti CR, et al. **Circulation** 1987 Jun;75(6 Pt 2):V84–95 (61 ref.)

Is vasospasm related to platelet deposition? Relationship in a porcine preparation of arterial injury in vivo. Lam JY, et al. **Circulation** 1987 Jan;75(1):243–8

Inhibition of platelet aggregability by moderate-intensity physical exercise: a randomized clinical trial in overweight men. Rauramaa R, et al. **Circulation** 1986 Nov;74(5):939–44

Platelet accumulation in experimental angioplasty: time course and relation to vascular injury. Wilentz JR, et al. **Circulation** 1987 Mar;75(3):636–42

The lack of correlation between experimental metastatic potential and platelet aggregating activity of B16 melanoma clones viewed in relation to tumor cell heterogeneity. Kimura AK, et al. **Clin Exp Metastasis** 1987 Apr–Jun; 5(2):125–33

Platelet hyperaggregability in the nephrotic syndrome which is not dependent on arachidonic acid metabolism or on plasma albumin concentration. Bennett A, et al. **Clin Nephrol** 1987 Apr;27(4):182–8

Relationships between thromboxane production, platelet aggregability, and serum concentrations of ibuprofen or flurbiprofen. Cox SR, et al. **Clin Pharmacol Ther** 1987 May; 41(5):510–21

Acute myocardial infarction: an episodic event of several coronary spasms followed by dilatation? Gasser R, et al. **Clin Physiol** 1986 Oct;6(5):397–403

The influence of cod-liver oil diet on various lipid metabolism parameters, the thromboxane formation capacity, platelet function and the serum MDA level in patients suffering from myocardial infarction. Kahl PE, et al. **Cor Vasa** 1987;29(3):199–208

Plasma lipid fatty acids and platelet function during continuous subcutaneous insulin infusion in type I diabetes. Monnier LH, et al. **Diabete Metab** 1987 Jun;13(3):210–6

Platelet calmodulin content in diabetic subjects and its relationship with diabetes-induced hyperaggregability [letter] Paolisso G, et al. **Diabetes Care** 1986 Sep–Oct; 9(5):549–50

Platelet aggregation and coagulation factors in insulin dependent diabetics with and without microangiopathy. Dallinger KJ, et al. **Diabetic Med** 1987 Jan–Feb;4(1):44–8

Abnormal platelet aggregation in chronic symptomatic diabetic peripheral neuropathy. Jennings PE, et al. **Diabetic Med** 1986 May;3(3):237–40

Platelet aggregation in non-insulin-dependent diabetes is associated with platelet fatty acids. Jones DB, et al. **Diabetic Med** 1986 Jan;3(1):52–5

Measurement of platelet aggregation in diabetics using the new electronic platelet aggregometer. Jones RJ, et al. **Diabetic Med** 1985 Mar;2(2):105–9

Platelet aggregation in diabetics using the new electronic platelet aggregometer [letter] Mikhailidis DP, et al. **Diabetic Med** 1985 Sep;2(5):411–2

Activation of human platelets through gp140, the C3d/EBV receptor (CR2). Nunez D, et al. **Eur J Immunol** 1987 Apr; 17(4):515–20

Aging and platelet beta-adrenoceptor function. Winther K, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):219–23

Association of vinculin to the platelet cytoskeleton during thrombin-induced aggregation. Asyee GM, et al. **Exp Cell Res** 1987 Feb;168(2):358–64

Conformational responses of an arachidonate- and U46619-binding haemoprotein in relation to platelet activation. Krishnan LK, et al. **FEBS Lett** 1987 Feb 23; 212(2):213–9

Stimulation of Ca2+ efflux from fura-2-loaded platelets activated by thrombin or phorbol myristate acetate. Pollock WK, et al. **FEBS Lett** 1987 Jan 5;210(2):132–6

The importance of aspartate aminotransferase for platelet aggregation. Tomasiak M. **Haematologia (Budap)** 1986; 19(2):101–12

Surface mechanisms of platelet adhesion and aggregation. Balduini CL, et al. **Haematologica (Pavia)** 1987 May–Jun; 72(3):261–8 (80 ref.)

Basement membrane components (7S collagen, laminin P1) are increased in sera of diabetics and activate platelets in vitro. Högemann B, et al. **Haemostasis** 1986;16(6):428–32

Sub-ambient aggregometry: a tool for examining platelet storage at any temperature between 4–22 degrees C. Trenchard PM, et al. **Haemostasis** 1986;16(5):352–61

Platelets (again) [editorial] Edmeads J. **Headache** 1987 May; 27(5):244–5

Altered platelet function in patients with severe congestive heart failure. Jafri SM, et al. **Henry Ford Hosp Med J** 1986; 34(3):156–9

Glycoprotein Ib distribution on the surface of platelets in resting and activation states: an electron microscope study. Suzuki H, et al. **Histochem J** 1987 Mar;19(3):125–36

Mechanisms of platelet aggregation by viridans group streptococci. Sullam PM, et al. **Infect Immun** 1987 Aug; 55(8):1743–50

Spontaneous platelet aggregation and coagulation parameters as risk factors for arterial occlusions in diabetics. Results of the PARD-study. Breddin HK, et al. **Int Angiol** 1986 Jul–Sep;5(3):181–95

Some pathogenetic aspects of atherosclerotic lesions. Platelets and atherogenesis. Differences in atherogenesis in different body districts. Regression of arterial lesions in animal models. Weber G, et al. **Int Angiol** 1987 Jan–Mar; 6(1):37–43

Tumor-cell-induced platelet aggregation is a glycoprotein-dependent and lipoxygenase-associated process. Bastida E, et al. **Int J Cancer** 1987 Jun 15; 39(6):760–3

Role of tumor proteinases in tumor cell-induced platelet aggregation. Pacchiarini L, et al. **Invasion Metastasis** 1986; 6(5):287–301

Platelet-aggregating activities of metastasizing tumor cells. V. In situ roles of platelets in hematogenous metastases. Tanaka NG, et al. **Invasion Metastasis** 1986;6(4):209–24

Platelet aggregation increases cholinergic neurotransmission in canine airway. Tamaoki J, et al. **J Appl Physiol** 1987 Jun;62(6):2246–51

Hydrophilic–hydrophobic microdomain surfaces having an ability to suppress platelet aggregation and their in vitro antithrombogenicity. Okano T, et al.
J Biomed Mater Res 1986 Sep;20(7):919–27

Type IIB von Willebrand factor with normal sialic acid content induces platelet aggregation in the absence of ristocetin. Role of platelet activation, fibrinogen, and two distinct membrane receptors. De Marco L, et al.
J Clin Invest 1987 Aug;80(2):475–82

Involvement of large plasma von Willebrand factor (vWF) multimers and unusually large vWF forms derived from endothelial cells in shear stress–induced platelet aggregation. Moake JL, et al. **J Clin Invest** 1986 Dec; 78(6):1456–61

Human platelet aggregation is initiated by peripheral blood mononuclear cells exposed to bacterial lipopolysaccharide in vitro. Schwartz BS, et al. **J Clin Invest** 1986 Nov; 78(5):1136–41

Therapeutic progress—review XXVIII. Platelet function and calcium channel blocking agents. Greer IA.
J Clin Pharm Ther 1987 Aug;12(4):213–22 (34 ref.)

In vitro correlation of platelet aggregation with occurrence of disseminated intravascular coagulation and subacute bacterial endocarditis. Kessler CM, et al.
J Lab Clin Med 1987 Jun;109(6):647–52

Amaurosis fugax under the age of 40 years. Poole CJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):81–4

Sonographic evaluation of platelet aggregate retention in a vortex within a simulated venous sinus. Machi J, et al.
J Ultrasound Med 1986 Dec;5(12):685–9

Haemostasiological parameters as risk factor for new arterial occlusions in diabetics. Breddin HK, et al.
Klin Wochenschr 1986 Oct 15;64(20):1042–6

Increased thromboplastic potential in diabetes: a multifactorial phenomenon. Landgraf-Leurs MM, et al.
Klin Wochenschr 1987 Jul 1;65(13):600–6

Study of in vivo platelet activation in uncomplicated essential hypertension. Guicheney P, et al. **Life Sci** 1987 Feb 16; 40(7):615–21

Effects of moderate alcohol consumption on platelet aggregation, fibrinolysis, and blood lipids. Pikaar NA, et al. **Metabolism** 1987 Jun;36(6):538–43

Concurrent morning increase in platelet aggregability and the risk of myocardial infarction and sudden cardiac death. Tofler GH, et al. **N Engl J Med** 1987 Jun 11;316(24):1514–8

Enhanced platelet aggregation and membrane biocompatibility: possible influence on thrombosis and embolism in hemodialysis patients. Simon P, et al.
Nephron 1987;45(2):172–3

Platelet inhibitory activity in placentas from normal and abnormal pregnancies. O'Brien WF, et al.
Obstet Gynecol 1987 Oct;70(4):597–600

Platelet aggregometry for the diagnosis of heparin induced thrombocytopenia—thrombosis syndrome (HITTS) [letter] Gibson J, et al. **Pathology** 1987 Jan;19(1):105–6

Cyclooxygenase and lipoxygenase metabolites during platelet aggregation: quantitative measurement by negative ion chemical ionization—gas chromatography/mass spectrometry. Malle E, et al.
Prostaglandins Leukotrienes Med 1987 Apr;27(1):53–70

Adrenaline–induced hyperaggregability of platelets and enhanced thromboxane release in anorexia nervosa. Mikhailidis DP, et al. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):27–34

Platelet hyperaggregability in cystic fibrosis. Stead RJ, et al. **Prostaglandins Leukotrienes Med** 1987 Feb;26(2):91–103

Regulation of platelet aggregation and arachidonate metabolism in streptozotocin–diabetic rats. Takahashi R, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):123–9

Platelet dysfunction and alteration of prostaglandin metabolism after chronic alcohol consumption. Arai M, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1091–7

Platelets in blood and salivary glands of patients with primary Sjögren's syndrome. Oxholm P, et al.
Scand J Rheumatol [Suppl] 1986;61:170–2

Platelet function and thrombin activity in patients with recent cerebral transient ischemic attacks. Vicari AM, et al.
Stroke 1987 Sep–Oct;18(5):892–5

Aggregation of washed platelets from non–anticoagulated human blood is not reversible. Bowry SK, et al.
Thromb Haemost 1986 Oct 21;56(2):172–7

Electrical aggregometry in whole blood from human, pig and rabbit. Galvez A, et al. **Thromb Haemost** 1986 Oct 21;56(2):128–32

Platelet microtubules in clot structure formation and contractile force generation: investigation of a controversy. Jen CJ, et al. **Thromb Haemost** 1986 Aug 20;56(1):23–7

A critical investigation into the existence of circulating platelet aggregates. Saniabadi AR, et al.
Thromb Haemost 1986 Aug 20;56(1):45–9

Abnormal aggregation accompanies abnormal platelet Ca2+ handling in arterial thrombosis. Shanbaky NM, et al.
Thromb Haemost 1987 Feb 3;57(1):1–10

Role of heparin in tumor cell–induced platelet aggregation. Yamamoto K, et al. **Thromb Haemost** 1986 Aug 20; 56(1):90–4

Indices of fibrinogen proteolysis and platelet activation during the resolution of pulmonary embolism. Yudelman I. **Thromb Haemost** 1987 Feb 3;57(1):11–6

Shear stress activation of platelets with subsequent refractoriness. Aursnes I, et al. **Thromb Res** 1987 Jan 1; 45(1):29–37

Improved assessment of impedance aggregometry using a microcomputer. Francis JL. **Thromb Res** 1987 Mar 15; 45(6):851–5

A platelet aggregating factor in thrombotic thrombocytopenic purpura: initial activity, fluctuations, and removal by plasma exchange. Hussey CV, et al.
Thromb Res 1986 Nov 1;44(3):355–64

Mechanism of PAF–induced platelet aggregation in man. Küster LJ, et al. **Thromb Res** 1986 Aug 15;43(4):425–33

Compression inhibits aggregation of human platelets under high hydraulic pressure. Murayama M. **Thromb Res** 1987 Mar 15;45(6):729–38

Inhibitory interference of red cells in the measurement of whole blood platelet aggregation by the impedance method. Musumeci V, et al. **Thromb Res** 1987 Jan 1; 45(1):95–100

Murine tumor–induced platelet aggregation and coagulation: mechanisms, inhibitors, and species differences. Panton RW, et al. **Thromb Res** 1987 Apr 1;46(1):65–76

Effect on platelet function of hypoalbuminemia in peritoneal dialysis. Sloand EM, et al. **Thromb Res** 1986 Nov 15; 44(4):419–25

Correlation between chemical stimulation and filtration flow resistance in human platelet aggregates. Solen KA, et al. **Thromb Res** 1987 Jun 1;46(5):649–58

Platelet aggregation induced by cryoprecipitate infusion in platelet–type von Willebrand's disease. Takahashi H, et al. **Thromb Res** 1987 Apr 15;46(2):255–62

Thrombin generation precedes platelet activation in native blood taken from the hand during multiple blood sampling following cold challenge. Tindall H, et al. **Thromb Res** 1987 May 15;46(4):613–6

Storage of platelets for tests of platelet function: effects of temperature on platelet aggregation, platelet morphology and liberation of beta–thromboglobulin. Watts SE, et al. **Thromb Res** 1986 Nov 1;44(3):365–76

Morphological changes of platelets during the process of platelet aggregation in gray platelet syndrome. Mori K, et al. **Tohoku J Exp Med** 1986 Aug;149(4):425–36

Studies on platelet function in patients with prostatic cancer. Preliminary report. Yazaki T, et al. **Urology** 1987 Jul; 30(1):60–3

Platelet function in patients with acrocyanosis. Cimminiello C, et al. **Vasa** 1987;16(1):12–5

[Is the neuroleptic malignant syndrome comparable to anesthesia–induced malignant hyperthermia? (letter)] Lagarde P, et al. **Presse Med** 1986 Sep 13;15(29):1376–7
(Fre)

[Immunologic aggregation of human blood platelets and its inhibition in vitro] Malberg K, et al.
Allerg Immunol (Leipz) 1986;32(3):153–67 (Eng. Abstr.)
(Ger)

[Thrombocyte functions in diabetics with proliferative retinopathy and in normal persons] Peters KM, et al.
Med Klin 1986 Jun 20;81(14):477–80 (Eng. Abstr.) **(Ger)**

[Platelet scintigraphy findings in carotid thrombosis following whiplash trauma of the cervical spine] Kessler C, et al. **Nervenarzt** 1987 Jul;58(7):428–31 **(Ger)**

[Induced platelet aggregation in patients with healthy vessels and patients with stage II chronic arterial occlusive disease] Staiger J, et al. **Vasa** 1986;15(4):387–91 (Eng. Abstr.)
(Ger)

[Spontaneous aggregometer—an instrument for continuous measurement of spontaneous thrombocyte aggregation] Kranz WD, et al. **Z Med Lab Diagn** 1987;28(4):207–11 (Eng. Abstr.) **(Ger)**

[Role of blood platelet aggregation in menstrual migraine] Massobrio M, et al. **Minerva Med** 1987 Jul 31;78(14):1065–8
(Ita)

[Platelet aggregation study with the impedance–measurement method in whole blood and in platelet–rich plasma. Results of a study on normal subjects] Galante A, et al.
Recenti Prog Med 1986 Nov;77(11):503–7 (Eng. Abstr.)
(Ita)

[Pseudothrombocytopenia and pseudoleukocytosis. Study of 17 cases of EDTA–dependent platelet agglutination] Mancini S, et al. **Recenti Prog Med** 1986 Dec;77(12):573–9 (Eng. Abstr.) **(Ita)**

[Evaluation of risk factors and blood coagulation parameters in cerebral ischemia] Xerra A, et al. **Riv Neurol** 1986 Jul–Aug;56(4):218–24 (Eng. Abstr.) **(Ita)**

[Tumor–induced platelet aggregation and growth–promoting factors as determinants of probable tumor metastasis] Tsuruo T. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2033–9 (Eng. Abstr.) **(Jpn)**

[Objective judgement on effects of medicine in patients with Raynaud's phenomenon—measurement of cutaneous blood flow using laser Doppler flowmeter and platelet aggregation activity] Shimizu H, et al.
Nippon Hifuka Gakkai Zasshi 1987 Jan;97(1):35–8 **(Jpn)**

[Pathophysiology and treatment of thrombosis. 3. Prevention and treatment of thrombosis. (1) The role of intracoronary thrombi, platelet function and prostaglandins in the pathogenesis of myocardial infarction; with special reference to intracoronary thrombolysis treatment] Kawai C, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):43–8 (11 ref.) **(Jpn)**

[Pathophysiology and treatment of thrombosis. (2) Effects dynamic and isometric exercise on platelet function and blood coagulability in normal subjects, patients with ischemic heart disease and atrial fibrillation] Yamauchi K, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):23–7
(Jpn)

[A case with polycythemia vera, presenting subnormal platelet response to thromboxane A2] Yoshioka N, et al.
Nippon Naika Gakkai Zasshi 1987 Mar;76(3):404–8 **(Jpn)**

[Tests of platelet aggregation and blood coagulation with the automatic analyzer] Iijima K, et al. **Rinsho Byori** 1987 Jan;35(1):45–9 **(Jpn)**

[Platelet agg.. gation] Terada H. **Rinsho Byori** 1987 Jun;Spec No 71:151–64 (11 ref.) **(Jpn)**

[Measurement of spontaneous platelet aggregation by electrical impedance method of whole–blood aggregometer] Yonemitsu H. **Rinsho Byori** 1986 Dec; 34(12):1422–6 **(Jpn)**

[Clinical and laboratory studies in 8 patients with essential thrombocythemia] Fujii H, et al. **Rinsho Ketsueki** 1987 Mar; 28(3):331–7 (Eng. Abstr.) **(Jpn)**

[Plasma beta–thromboglobulin and platelet aggregation in vibration syndromes] Kanamori M, et al. **Sangyo Igaku** 1987 Jan;29(1):70–1 **(Jpn)**

[Platelet factor XIII as the collagen receptor] Takagi J, et al. **Seikagaku** 1987 Jan;59(1):13–7 (9 ref.) **(Jpn)**

[Effect of temperature and preservation time on the aggregation and MDA level of blood platelets] Stachecki B, et al. **Acta Haematol Pol** 1986 Jul–Dec;17(3–4):122–30 (Eng. Abstr.) **(Pol)**

[Studies on the hemostatic system in young persons with primary hyperlipoproteinemia and after myocardial infarction. IV. Description of various parameters of the blood coagulation system, fibrinolysis and platelet aggregation using regression analysis] Borodin M, et al. **Przegl Lek** 1986;43(11):698–702 (Eng. Abstr.) **(Pol)**

[Studies on the hemostatic system in young persons with primary hyperlipoproteinemia and after myocardial infarction. III. Evaluation of the aggregative capacity of blood platelets] Borodin M, et al. **Przegl Lek** 1986; 43(11):694–7 (Eng. Abstr.) **(Pol)**

[Functional properties of thrombocytes in obese pregnant women] Chernukha GE. **Akush Ginekol (Mosk)** 1987 Feb; (2):50–4 (Eng. Abstr.) **(Rus)**

[Thrombocyte aggregation in plasma and whole blood during hyperventilation (hypocapnia) in cats] Amroian EA.
Biull Eksp Biol Med 1987 Jun;103(6):648–9 (Eng. Abstr.)
(Rus)

[Thrombocyte aggregation in the plasma and whole blood and ATP secretion during hypoxia in cats] Amroian EA, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):294–6 (Eng. Abstr.) **(Rus)**

[Mechanisms of thrombocyte aggregation in experimental hypoparathyroidism] Chursina Iula, et al.
Biull Eksp Biol Med 1986 Dec;102(12):666–8 (Eng. Abstr.)
(Rus)

[Indices of the system of blood aggregation during measured physical loading] Tiutrin II, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):565–9 **(Rus)**

[Effect of chemical modification of ristomycin A on the platelet aggregation of healthy subjects and Willebrand disease patients] Likhacheva EA, et al.
Gematol Transfuziol 1987 May;32(5):56–8 **(Rus)**

[Functional properties of thrombocytes and the antiaggregative activity of the vascular wall in healthy persons in various seasons of the year] Mishchenko VP, et al. **Gematol Transfuziol** 1986 Aug;31(8):43–6 (Eng. Abstr.) **(Rus)**

[Failure of platelets to excrete a protein possessing lactate dehydrogenase activity during their aggregation] Nadirova TIa, et al. **Gematol Transfuziol** 1987 May;32(5):22–5 (Eng. Abstr.) **(Rus)**

[Platelet aggregation in severe and malignant forms of hypertension: effect of treatment with prostaglandin E2] Gabbasov ZA, et al. **Kardiologiia** 1987 Feb;27(2):37–41 (Eng. Abstr.) **(Rus)**

[Dynamics of the level of acylhydroperoxides and platelet aggregation in chronic ischemic heart disease and essential hypertension during treatment] Manak NA, et al.
Kardiologiia 1986 Dec;26(12):93–6 (Eng. Abstr.) **(Rus)**

[Increased adhesive and aggregation activity of the platelets of ischemic heart disease patients with stable stenocardia] Sinitsyn VE, et al. **Kardiologiia** 1987 Feb;27(2):96–7
(Rus)

[Various components of food in the regulation of platelet aggregating activity] Borodkin AA, et al.
Klin Med (Mosk) 1987 Mar;65(3):33–8 (47 ref.) **(Rus)**

[von Willebrand factor—a marker of vascular injury in hemorrhagic vasculitis in children] Barkagan LZ, et al.
Pediatriia 1987;(2):34–7 (Eng. Abstr.) **(Rus)**

[Thrombocytic component of hemostasis in chronic nonspecific lung diseases] Bokarev IN, et al. **Sov Med** 1986; (10):20–3 (Eng. Abstr.) **(Rus)**

[Participation of leukocytes in primary hemostasis] Arkhipov BF, et al. **Ter Arkh** 1987;59(6):59–63 (Eng. Abstr.)
(Rus)

[Functional characteristics and clinical significance of beta–thromboglobulin] Shchepotin BM, et al. **Ter Arkh** 1987;59(6):138–42 (73 ref.) **(Rus)**

[Influence of certain molecules on the partial renewal of

platelet phospholipids in Aymaras, Quechuas and European populations] Bellido D. **Medicina (B Aires)** 1985; 45(6):627–30 (Eng. Abstr.) **(Spa)**

[Functional blood platelet changes in alcoholic cirrhosis] Apraiz L, et al. **Rev Esp Enferm Apar Dig** 1987 May; 71(5):395–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of dietary supplementation with n–6 and n–3 long–chain polyunsaturated fatty acids on serum lipoproteins and platelet function in hypertriglyceridaemic patients. Boberg M, et al. **Acta Med Scand** 1986; 220(2):153–60

Compared effects of the two antiinflammatory drugs indoprofen and lonazolac on thromboxane generation and on platelet aggregation, related to plasma concentrations after single oral doses. Vinge E, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):165–74

Antagonists of PAF–acether do not suppress thrombin–induced aggregation of ADP–deprived and aspirin–treated human platelets. Adnot S, et al. **Agents Actions** 1987 Jun;21(1–2):195–202

LG 30435, a new bronchodilator/antiallergic agent, inhibits PAF–acether induced platelet aggregation and bronchoconstriction. Criscuoli M, et al. **Agents Actions** 1986 Nov;19(3–4):246–50

Potentiation by adrenaline of human platelet activation and the inhibition by the alpha–adrenergic antagonist nicergoline of platelet adhesion, secretion and aggregation. Lanza F, et al. **Agents Actions** 1986 Aug;18(5–6):586–95

The effect of cimetidine on platelet function: a study involving gastric fluid measurements [published erratum appears in Agents Actions 1987 Feb;20(1–2):133] Mikhailidis DP, et al. **Agents Actions** 1986 Oct; 19(1–2):34–41

Prostanoid mediated effects of centchroman, a non–steroidal oral contraceptive. Srivastava R, et al. **Agents Actions** 1986 Aug;18(5–6):596–9

Inhibition of human platelet aggregation by motapizone via an increase in intracellular cAMP. Borbe HO, et al. **Agents Actions [Suppl]** 1986;20:249–57

Comparison of the effects of oral and intravenous aspirin administration on platelet and peripheral vascular cyclo–oxygenase activity: studies in rats and in man. Cerletti C, et al. **Agents Actions [Suppl]** 1986;20:239–48

Role of platelet membrane phospholipids in signal transduction. Chap H, et al. **Agents Actions [Suppl]** 1986; 20:111–28 (82 ref.)

On the role of guanine nucleotide binding regulatory proteins (G–proteins) in signal transduction in human platelets: studies with sodium fluoride (NaF). Kienast J, et al. **Agents Actions [Suppl]** 1986;20:175–80

Receptors and receptor mechanisms of endogenous platelet stimulatory and inhibitory mediators. MacIntyre DE, et al. **Agents Actions [Suppl]** 1986;20:45–62 (68 ref.)

Combined effect of a small dose of ethanol and 36 hr fasting on blood–glucose response, breath–acetone profiles and platelet function in healthy men. Neiman J, et al. **Alcohol Alcohol** 1987;22(3):265–70

Effects of acetaldehyde condensation products on human platelet aggregation. Given MB, et al. **Alcohol Drug Res** 1987;7(5–6):383–92

Vasodilator therapy with a new stable prostacyclin analog, OP–41483, for congestive heart failure due to coronary artery disease and comparison of hemodynamic effects and platelet aggregation with nitroprusside. Yui Y, et al. **Am J Cardiol** 1986 Nov 1;58(10):1042–5

Ethanol ingestion inhibits human whole blood platelet impedance aggregation. Mikhailidis DP, et al. **Am J Clin Pathol** 1987 Sep;88(3):342–5

Effects of plasma on the platelet antiaggregatory action of prostacyclin in pregnancy. Baker VV, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):974–7

The in vitro and in vivo effects of isoflurane and nitrous oxide on platelet aggregation. Fauss BG, et al. **Anesth Analg** 1986 Nov;65(11):1170–4

Platelet resistance to prostacyclin. Enhancement of the antiaggregatory effect of prostacyclin by pentoxifylline. Manrique RV, et al. **Angiology** 1987 Feb;38(2 Pt 1):101–8

Antiaggregative aspirin dosage at the affected vessel wall. Numano F, et al. **Angiology** 1986 Oct;37(10):695–701

Effects of mitoxantrone and bisantrene on platelet aggregation and prostaglandin/thromboxane biosynthesis in vitro. Frank P, et al. **Anticancer Res** 1986 Sep–Oct; 6(5):941–7

A new vasodilator 3–isobutyryl–2–isopropylpyrazolo[1,5–a]pyridine (KC–404) has a dual mechanism of action on platelet aggregation. Ohashi M, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):321–34

Effects of 2–indolecarbohydrazides on thromboxane synthetase activity and on in vitro and ex vivo blood platelet aggregation. New selective inhibitors. Monge A, et al. **Arzneimittelforschung** 1986 Aug;36(8):1184–6

Effect of etersalate on human platelet responsiveness. A study in healthy volunteers. Ortega MP, et al. **Arzneimittelforschung** 1987 Feb;37(2):214–7

Effect of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b]quinazoline–2–carboxylic acid on inflammatory reactions and platelet aggregation. Tsurumi K, et al. **Arzneimittelforschung** 1986 Nov; 36(11):1637–41

Effects of the calcium antagonist nifedipine on thromboxane B2 level and platelet aggregation in hypertensive patients. Uehara S, et al. **Arzneimittelforschung** 1986 Nov; 36(11):1687–9

Intra–arterial carbacyclin infusion inhibits canine platelet deposition on PTFE grafts. Boorstein JM, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):360–2

Platelet proaggregating effect of heparin: possible mechanism for non–immune heparin–associated thrombocytopenia. Chong BH, et al. **Aust NZ J Med** 1986 Oct;16(5):715–6

A dose–ranging study of the antiplatelet effect of enteric coated aspirin in man. Herd CM, et al. **Aust NZ J Med** 1987 Apr;17(2):195–200

Inhibition by antioxidants of agonist evoked cytosolic Ca++ increase, ATP secretion and aggregation of aspirinated human platelets. Alexandre A, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):509–14

Unsaturated fatty acids inhibit ADP– arachidonate–induced platelet aggregation without affecting thromboxane synthesis. Dratewka–Kos E, et al. **Biochem Cell Biol** 1986 Sep;64(9):906–13

PAF–acether (1–O–hexadecyl/octadecyl–2–acetyl–sn–glycero–3–phosphocholine)–induced fibrinogen binding to platelets depends on metabolic energy. Kloprogge E, et al. **Biochem J** 1986 Sep 15;238(3):885–91

Involvement of phosphoinositide metabolism in potentiation by adrenaline of ADP–induced aggregation of rabbit platelets. Lalau Keraly C, et al. **Biochem J** 1987 Mar 15; 242(3):841–7

Dietary soya lecithin decreases plasma triglyceride levels and inhibits collagen– and ADP–induced platelet aggregation. Brook JG, et al. **Biochem Med Metab Biol** 1986 Feb; 35(1):31–9

The effect of chloramphenicol and cycloheximide on platelet aggregation and protein synthesis. Bruce IJ, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1769–73

Inhibition of the metabolism of platelet activating factor (PAF–acether) by three specific antagonists from Ginkgo biloba. Lamant V, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2749–52

Inhibition of thrombin–induced platelet aggregation by uteroglobin. Manjunath R, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):741–6

Polymeric inhibitors of platelet aggregation. II. Copolymers of dipyridamole and related drugs with N–vinylpyrrolidone. Bamford CH, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):38–44

Characterization of a potent platelet aggregation inhibitor from Agkistrodon rhodostoma snake venom. Huang TF, et al. **Biochim Biophys Acta** 1987 Sep 11;925(3):248–57

Relationship of the effects of nigericin on the aggregation and cytoplasmic pH of bovine platelets in the presence of different cations. Kitagawa S, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):48–54

Effects of novel aggregation inhibitors on serotonin uptake by human blood platelets. Lasslo A, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):443–50

N–ethylmaleimide inhibits Ca2+ influx induced by collagen or arachidonate on rabbit platelets. Sato T, et al. **Biochim Biophys Acta** 1987 May 18;928(3):266–71

Bryostatins mimic the effects of phorbol esters in intact human platelets. Tallant EA, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):40–6

Antiplatelet effect of butylidenephthalide. Teng CM, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):375–82

Correlation between inhibitory effect on platelet aggregation and disposition of sulfinpyrazone and its metabolites in rabbits. Part II: Multiple dose study. Kuo BS, et al. **Biopharm Drug Dispos** 1987 Jan–Feb;8(1):11–21

Correlation between inhibitory effect on platelet aggregation and disposition of sulfinpyrazone and its metabolites in rabbits. Part I: Single dose study. Ritschel WA, et al. **Biopharm Drug Dispos** 1987 Jan–Feb;8(1):1–9

Human neutrophil elastase alters human alpha–thrombin function: limited proteolysis near the gamma–cleavage site results in decreased fibrinogen clotting and platelet–stimulatory activity. Brower MS, et al. **Blood** 1987 Mar;69(3):813–9

Fibrinogen–independent aggregation and deaggregation of human platelets: studies in two afibrinogenemic patients. Cattaneo M, et al. **Blood** 1987 Jul;70(1):221–6

ADP–induced platelet aggregation depends on the conformation or availability of the terminal gamma chain sequence of fibrinogen. Study of the reactivity of fibrinogen Paris 1. Denninger MH, et al. **Blood** 1987 Aug;70(2):558–63

Effect of calcium ion concentration on the ability of fibrinogen and von Willebrand factor to support the ADP–induced aggregation of human platelets. Harfenist EJ, et al. **Blood** 1987 Sep;70(3):827–31

Synergistic action of two murine monoclonal antibodies that inhibit ADP–induced platelet aggregation without blocking fibrinogen binding. Newman PJ, et al. **Blood** 1987 Feb; 69(2):668–76

A murine antiglycoprotein Ib complex monoclonal antibody, SZ 2, inhibits platelet aggregation induced by both ristocetin and collagen. Ruan CG, et al. **Blood** 1987 Feb; 69(2):570–7

Synergistic inhibition of platelet activation by plasmin and prostaglandin I2. Schafer AI, et al. **Blood** 1987 May; 69(5):1504–7

Effects of benzydamine and other non–steroidal anti–inflammatory drugs on platelet aggregation induced by: arachidonic acid, ADP and collagen. Catanese B, et al. **Boll Chim Farm** 1986 Jul;125(7):228–33

Effects of verapamil and nisoldipine on human platelets: in vivo and in vitro studies [letter] Jeremy JY, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):201–2

Smoking–induced changes in endothelium and platelets are not affected by hydroxyethylrutosides. Davis JW, et al. **Br J Exp Pathol** 1986 Oct;67(5):765–71

Room temperature ADP induced first stage hyperaggregation of human blood platelets: a previously undescribed phenomenon and its relationship to spontaneous cold induced platelet aggregation. Cohen IJ, et al. **Br J Haematol** 1987 Mar;65(3):331–4

Different platelet specificities of heparin–dependent platelet aggregating factors in heparin–associated immune thrombocytopenia. Pfueller SL, et al. **Br J Haematol** 1986 Sep;64(1):149–59

Fibronectin–mediated inhibition of human platelet activation by crosslinked immunoglobulin G [published erratum appears in Br J Haematol 1987 Apr;65(4):508] Spycher MO, et al. **Br J Haematol** 1986 Oct;64(2):299–307

Interactions between prostacyclin analogue ZK 36374 and heparin in their effects upon platelet function. Yardumian DA, et al. **Br J Haematol** 1987 Mar;65(3):325–30

Endothelium–derived relaxing factor inhibits in vitro platelet aggregation. Furlong B, et al. **Br J Pharmacol** 1987 Apr; 90(4):687–92

Oral acetylsalicylic acid improves patency rates in small–vessel anastomoses. Thibert MR, et al. **Can J Surg** 1986 Nov;29(6):402–4

Platelet aggregating activity mediated by thrombin generation in the NCG human neuroblastoma cell line. Esumi N, et al. **Cancer Res** 1987 Apr 15;47(8):2129–35

Beta–adrenoceptor blockade, platelets, and rheologic factors. Winther K, et al. **Cephalalgia** 1986;6 Suppl 5:33–9

Effects of the lipid peroxidation product 4–hydroxynonenal on the aggregation of human platelets. Hurst JS, et al. **Chem Biol Interact** 1987 Feb;61(2):109–24

Synthesis of 3–substituted pyrazolo[1,5–a]pyridine derivatives with inhibitory activity on platelet aggregation. I. Awano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2828–32

Synthesis of 3–substituted pyrazolo[1,5–a]pyridine derivatives with inhibitory activity on platelet aggregation. II. Awano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2833–9

Furo[3,2–b]indole derivatives. VI. Synthesis and inhibitory effect on platelet aggregation of furo[3,2–b]indole derivatives. Kawashima Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5149–53

Isolation of a platelet aggregation inhibitor from Angelicae radix. Toriizuka K, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5011–5

Effects of the monobactam antibiotic aztreonam on platelet function and blood coagulation. Agnelli G, et al. **Chemotherapy** 1987;33(1):9–14

Effect of ticlopidine and prostaglandin E on endotoxin–induced pulmonary platelet sequestration in vivo. Thörne LJ, et al. **Circ Shock** 1986;20(1):61–9

Effect of vitamin E and ticlopidine on platelet aggregation in Fabry's disease. Sakuraba H, et al. **Clin Genet** 1987 May; 31(5):349–54

Quantitation of drug levels and platelet receptor blockade caused by a thromboxane antagonist. Friedhoff LT, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):634–42

Platelet catecholamines and platelet function in normal human subjects. Wilson AP, et al. **Clin Sci** 1987 Jul; 73(1):99–103

Postoperative intravenous administration of lysine acetylsalicylate: effect on pain relief and platelet function. Hanaue H, et al. **Clin Ther** 1987;9(2):159–66

Effect of nifedipine and mefruside on renal function and platelet function in hypertensive patients. Notghi A, et al. **Curr Med Res Opin** 1987;10(7):441–9

Increased platelet malondialdehyde, but normal platelet sensitivity to adenosine–5–diphosphate and prostacyclin in well–controlled type 1 diabetics without vascular complications. Gisinger C, et al. **Diabetes Res** 1986 Oct; 3(8):401–5

Paradoxical platelet behaviour in diabetic ketoacidosis. Campbell RR, et al. **Diabetic Med** 1986 Mar;3(2):161–4

Reduction of platelet aggregation induced by euglycaemic insulin clamp. Hiramatsu K, et al. **Diabetologia** 1987 May; 30(5):310–3

Platelet aggregation and the pharmacology of local anaesthetics. Gotta AW, et al. **Drugs Exp Clin Res** 1986; 12(9–10):853–6

Interaction of local anaesthetics with blood platelet aggregation. Jančinová V, et al. **Drugs Exp Clin Res** 1986; 12(9–10):857–60

Platelet aggregation behaviour in patients treated with ticlopidine. Petronio AS, et al. **Drugs Exp Clin Res** 1987; 13(1):43–50

Role of anticoagulation and anti–aggregation. Strano A, et al. **Eur Heart J** 1986 Dec;7 Suppl C:93–8 (60 ref.)

Central haemodynamic and antiplatelet effects of iloprost—a new prostacyclin analogue—in acute myocardial infarction in man. Swedberg K, et al. **Eur Heart J** 1987 Apr;8(4):362–8

Stimulation of arachidonic acid metabolism via phospholipase A2 by triethyl lead. Krug H, et al. **Eur J Biochem** 1987 Jan 15;162(2):293–8

Effects of vitamin E therapy on ethanol–induced changes in platelet aggregation, thromboxane formation, factor VIII

levels and serum lipids. Hillbom M, et al. **Eur J Clin Invest** 1987 Feb;17(1):68–74

The influence of fenflumizole on platelet aggregation in patients with unstable angina pectoris. Grauholt AM, et al. **Eur J Clin Pharmacol** 1987;31(5):547–51

Hypotensive and antiplatelet actions of motapizone depend on dose and time after ingestion. Schulz V, et al. **Eur J Clin Pharmacol** 1986;31(4):405–10

Inhibition of thrombocyte aggregation by oral motapizone and other drugs. Schulz V, et al. **Eur J Clin Pharmacol** 1986;31(4):411–4

Changes in rabbit platelet alpha and beta adrenoceptor number and platelet aggregation. Hamilton CA, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):145–9

The effect of AD6 (8–monochloro–3–beta–diethylamino–ethyl–4–methyl–7–ethoxy– carbonylmethoxycoumarin) on washed human platelet aggregation induced by platelet activating factor (PAF) and epinephrine. Zanetti A, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):119–27

Study of the antiaggregating activity of new phenacyl–piperazine derivatives. Darias V, et al. **Farmaco [Sci]** 1986 Sep;41(9):684–8

Acetoxy benzene derivatives: in vitro antiaggregant activity. Dupin JP, et al. **Farmaco [Sci]** 1986 Dec;41(12):934–41

Guanidinophenyl derivatives of pyrazole: synthesis and inhibitory effect on serine proteinases, blood coagulation and platelet aggregation. Ferroni R, et al. **Farmaco [Sci]** 1986 Oct;41(10):747–57

Molecular mechanism underlying impaired platelet responsiveness in liver cirrhosis. Laffi G, et al. **FEBS Lett** 1987 Aug 10;220(1):217–9

Influence of histone–chondroitin sulphate A complexes on blood platelet aggregation. Kloczko J, et al. **Folia Haematol (Leipz)** 1986;113(4):545–9

Effect of plasma protease inhibitors on tumor cell–induced platelet aggregation [letter] Pacchiarini L, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):269

Aggregation responses to platelet–activating factor in normal subjects. Caffrey E, et al. **Haemostasis** 1987;17(3):171–2

Structure–function relationship of 3–phosphoglycerate analogues with platelet aggregation and thromboxane A2 formation. Iatridis PG, et al. **Haemostasis** 1987;17(1–2):8–13

Protamine–induced platelet aggregation and clotting investigated by ultrasound. Machi J, et al. **Haemostasis** 1987;17(4):226–34

Salicylate antagonism of acetylsalicylic acid inhibition of platelet aggregation in male and female subjects: influence of citrate concentration. Philp RB, et al. **Haemostasis** 1986; 16(5):369–77

Comparison of inhibitory actions of prostacyclin and a new prostacyclin analogue on the aggregation of human platelet in whole blood. Saniabadi AR, et al. **Haemostasis** 1987; 17(3):147–53

Specific impairment of ADP–induced platelet aggregation by cannabinoids. Nathan I, et al. **Int J Tissue React** 1986; 8(3):193–8

Inhibition of tumor cell induced platelet aggregation by prostacyclin and carbacyclin: an ultrastructural study. Menter DG, et al. **Invasion Metastasis** 1987;7(2):109–28

Inhibition of platelet aggregation by medermycin and it's related isochromanequinone antibiotics. Nakagawa A, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):1075–6

Aggreceride, a new platelet aggregation inhibitor from Streptomyces. Omura S, et al. **J Antibiot (Tokyo)** 1986 Aug; 39(8):1180–1

Inhibition of cyclooxygenase activity and platelet aggregation by epoxyeicosatrienoic acids. Influence of stereochemistry. Fitzpatrick FA, et al. **J Biol Chem** 1986 Nov 15;261(32):15334–8

Differential hydrolysis of phospholipid molecular species during activation of human platelets with thrombin and collagen. Takamura H, et al. **J Biol Chem** 1987 Feb 15; 262(5):2262–9

Influence of different bisoprolol doses on hemodynamics, plasma catecholamines, platelet aggregation, and alpha 2– and beta–receptors in hypertensive patients. Kirsten R, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S113–21

Tissue plasminogen activator promotes platelet disaggregation in plasma. Loscalzo J, et al. **J Clin Invest** 1987 Jun;79(6):1749–55

Synergism of platelet–aggregating agents. Role of elevation of cytoplasmic calcium. Ware JA, et al. **J Clin Invest** 1987 Jul;80(1):267–71

Platelet deposition in rat heart allografts and the effect of a thromboxane receptor antagonist. Foegh ML, et al. **J Heart Transplant** 1986 Jul–Aug;5(4):338–9

Effects of various doses of latamoxef (moxalactam) on haemostasis. Bowcock S, et al. **J Hosp Infect** 1986 Sep; 8(2):193–9

A collagen–like immunodeterminant on the surface of Streptococcus sanguis induces platelet aggregation. Erickson PR, et al. **J Immunol** 1987 May 15;138(10):3360–6

Prevention of platelet hyperaggregation during coronary angiography. Ammaturo V, et al. **J Int Med Res** 1986; 14(4):185–7

Comparison of equimolar concentrations of iloprost, prostacyclin, and prostaglandin E1 on human platelet function. Fisher CA, et al. **J Lab Clin Med** 1987 Feb; 109(2):184–90

Effects of gemfibrozil on plasma lipoprotein–apolipoprotein distribution and platelet reactivity in patients with hypertriglyceridemia. Sirtori CR, et al. **J Lab Clin Med** 1987 Sep;110(3):279–86

Asialo von Willebrand factor binding to and aggregation of platelets: effects of inhibitors of platelet metabolism and function. Williams SB, et al. **J Lab Clin Med** 1987 May; 109(5):560–5

Conformationally restricted congeners of hypotensive and platelet aggregation inhibitors: 6–aryl–5–methyl–4,5–dihydro–3(2H)–pyridazinones derived from 5H–indeno[1,2–c]pyridazine. Cignarella G, et al. **J Med Chem** 1986 Nov;29(11):2191–4

Dissociation of hypolipidemic and antiplatelet actions from adverse myotonic effects of clofibric acid related enantiomers. Feller DR, et al. **J Med Chem** 1987 Aug; 30(8):1265–7

Comparative antiaggregatory activity in human platelets of a benzopyranone aci–reductone, clofibric acid, and a 2,3–dihydrobenzofuran analogue. Witiak DT, et al. **J Med Chem** 1986 Nov;29(11):2170–4

The potentiation of phorbol ester–induced aggregation of human platelets by the prostaglandin endoperoxide analogue, U46619. Edwards MC, et al. **J Pharm Pharmacol** 1987 May;39(5):370–7

Pharmacological actions of ICI 180080, a novel thromboxane receptor antagonist. Jessup CL, et al. **J Pharm Pharmacol** 1986 Oct;38(10):754–7

Effects of dimethyl sulphoxide (DMSO) on aggregation of human blood platelets. Lehuu B, et al. **J Pharm Pharmacol** 1987 Jan;39(1):62–3

A platelet–aggregating and hypotensive phospholipid isolated from bovine brain. Yoshida J, et al. **J Pharm Pharmacol** 1986 Dec;38(12):878–82

In vitro effect of cinnamic aldehyde, a main component of Cinnamomi Cortex, on human platelet aggregation and arachidonic acid metabolism. Takenaga M, et al. **J Pharmacobiodyn** 1987 May;10(5):201–8

Mouse antithrombotic assay: the effects of Ca++ channel blockers are platelet–independent. Molinari A, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):623–7

In vitro evidence of an endothelial cell–dependent antiplatelet activity for isosorbide dinitrate, but not for its 2– and 5–mononitrate metabolites. Rolland PH, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):234–40

Effects of low doses of aspirin and dipyridamole on platelet aggregation in the dog coronary artery. Weselcouch EO, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):37–43

The use of ex vivo platelet aggregation to confirm the in vivo alpha 2–adrenoreceptor antagonist effect of idazoxan in man. Muir NC, et al. **J Pharmacol Methods** 1987 Sep; 18(2):95–102

Neurological dysfunction following coronary artery bypass graft surgery [letter] Mikhailidis DP, et al. **J R Soc Med** 1986 Aug;79(8):496

Effects of a small dose of ethanol and calcium carbimide–induced acetaldehyde intoxication on human platelet aggregation, associated thromboxane formation and urinary excretion of 2,3–dinor–6–keto prostaglandin F1 alpha. Neiman J, et al. **J Toxicol Clin Toxicol** 1987; 25(3):185–98

The effect of essential oil of garlic on hyperlipemia and platelet aggregation—an analysis of 308 cases. Cooperative Group for Essential Oil of Garlic. **J Tradit Chin Med** 1986 Jun;6(2):117–20

Neointimal hyperplasia occurring after carotid endarterectomy in a canine model: effect of endothelial cell seeding vs. perioperative aspirin. Bush HL Jr, et al. **J Vasc Surg** 1987 Jan;5(1):118–25

Carotid endarterectomy in patients with heparin–induced platelet activation: comparative efficacy of aspirin and iloprost (ZK36374). Kappa JR, et al. **J Vasc Surg** 1987 May;5(5):693–701

Heparin–induced platelet activation in sixteen surgical patients: diagnosis and management. Kappa JR, et al. **J Vasc Surg** 1987 Jan;5(1):101–9

Platelet antagonists eliminate thromboembolic complications of small–diameter arterial prostheses. Nordestgaard AG, et al. **J Vasc Surg** 1987 Jan;5(1):110–7

The effect of low molecular weight dextran on platelet deposition onto prosthetic materials. Shoenfeld NA, et al. **J Vasc Surg** 1987 Jan;5(1):76–82

Inhibition by prostacyclin of the tumor cell–induced platelet release reaction and platelet aggregation. Menter DG, et al. **JNCI** 1987 May;78(5):961–9

Effect of OKY–046, a thromboxane A2 synthetase inhibitor, on arachidonate–induced platelet aggregation: possible role of "prostaglandin H2 steal" mechanism.Kuzuya T, et al. **Jpn Circ J** 1986 Nov;50(11):1071–8

Effects of a new antihypertensive agent, SGB–1534, on rat platelet aggregation. Aono J, et al. **Jpn J Pharmacol** 1986 Dec;42(4):493–500

Effects of a new anti–inflammatory imidazole derivative, fenflumizole, on platelet aggregation in the rabbit. Aono J, et al. **Jpn J Pharmacol** 1986 Dec;42(4):575–8

Antiplatelet effects of fenflumizole, a new anti–inflammatory drug, in dogs. Nabata H, et al. **Jpn J Pharmacol** 1987 May; 44(1):97–100

Effect of a ginkgolide mixture (BN 52063) in antagonising skin and platelet responses to platelet activating factor in man. Chung KF, et al. **Lancet** 1987 Jan 31;1(8527):248–51

Chloroquine and platelets [letter] O'Brien JR. **Lancet** 1987 Feb 21;1(8530):455

Effect of 5–HT2–selective agonists on cat platelet aggregation. Seggel MR, et al. **Life Sci** 1987 Aug 31; 41(9):1077–81

Effects of different doses of acetylsalicylic acid on platelet aggregation: an experimental study of prosthetic materials in dogs. Escudero C, et al. **Life Support Syst** 1986 Oct–Dec; 4(4):325–34

Platelet changes after a saturated fat meal and their prevention by Dazmegrel, a thromboxane synthetase inhibitor. Belch JJ, et al. **Lipids** 1987 Mar;22(3):159–62

Interrelationships between the chemical structure of synthetic entities, their platelet aggregation inhibitory potency and their cellular toxicity, based on in vitro experiments. Lasslo A, et al. **Med Prog Technol** 1986;11(3):109–21

Effects of droxicam on in vivo prostaglandin synthesis and ex vivo platelet aggregation. Esteve J, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):209–13

Effects of combinations of 5–hydroxytryptamine receptor antagonists on 5–HT–induced human platelet aggregation. Bevan J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec;334(4):341–5

Is heparin responsible for enhanced platelet aggregation after haemodialysis? Charvát J, et al. **Nephron** 1986;44(2):89–91

Blood platelet adrenoceptor: aggregatory and antiaggregatory activity of imidazoline drugs. Petrusewicz J, et al. **Pharmacology** 1986;33(5):249–55

Inhibitory action of shosaikoto and daisaikoto (traditional Chinese medicine) on collagen–induced platelet aggregation and prostaglandin biosynthesis. Amagaya S, et al. **Planta Med** 1986 Oct;(5):345–9

Platelet–inhibitor drugs' role in coronary artery disease. Fuster V, et al. **Prog Cardiovasc Dis** 1987 Mar–Apr; 29(5):325–46 (153 ref.)

Depression and excitation induced in mice by two geometric isomers of (+)13,14–didehydro–20–methyl–carboprostacyclin, FCE 22177 and FCE 22176. Comparison with effects on blood pressure and platelet aggregation. Caparrotta L, et al. **Prostaglandins** 1987 Mar;33(3):351–62

Platelet aggregation and thromboxane release induced by arachidonic acid, collagen, ADP and platelet–activating factor following low dose acetylsalicylic acid in man. Küster LJ, et al. **Prostaglandins** 1986 Sep;32(3):415–23

Effects of a low–fat, low–cholesterol diet on serum lipids, platelet aggregation and thromboxane formation. Barnard RJ, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):241–52

Onion exerts antiaggregatory effects by altering arachidonic acid metabolism in platelets. Srivastava KC. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):43–50

Isolation and effects of some ginger components of platelet aggregation and eicosanoid biosynthesis. Srivastava KC. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):187–98

Comparison of the inhibitory effects of aspirin and ticlopidine on platelet aggregation and Ca2+ mobilization in rat platelets. Morikawa M, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov;54(2):275–8

Effect of acetaldehyde on rat platelet aggregation in vivo and in vitro. Zoucas E, et al. **Res Exp Med (Berl)** 1987; 187(1):43–8

Cellular (thrombocytes, granulocytes) effects of proteinase inhibitors—gabexylate, gabexate mesilate (FOY) and aprotinin. Redl H, et al. **Resuscitation** 1986 Sep; 14(1–2):81–90

Formation of prostacyclin–sensitive platelet aggregates in human whole blood in vitro. Part II. The occurrence of the phenomenon in males suffering from acute myocardial infarction. Splawinska B, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):125–30

Formation of prostacyclin–sensitive platelet aggregates in human whole blood in vitro. Part I. The occurrence of the phenomenon in healthy male volunteers. Splawinska B, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):119–24

Colloidal gold labelling of fibrinogen receptors in epinephrine– and ADP–activated platelet suspensions. Oliver JA, et al. **Scanning Microsc** 1987 Jun;1(2):745–56

Trifluoperazine inhibition of fibrinogen receptor redistribution in surface activated platelets: correlative video–enhanced differential interference contrast light microscopic, high voltage electron microscopic and scanning electron microscopic studies. Olorundare OE, et al. **Scanning Microsc** 1987 Jun;1(2):735–43

No effect of acetylsalicylic acid on B–thromboglobulin and platelet factor 4 plasma levels in patients with transient ischaemic attacks. Carrieri P, et al. **Stroke** 1986 Nov–Dec; 17(6):1153–5

Effect of aspirin and ticlopidine on platelet deposition in carotid atherosclerosis: assessment by indium–111 platelet scintigraphy. Isaka Y, et al. **Stroke** 1986 Nov–Dec; 17(6):1215–20

Angiotensin delays platelet aggregation after injury of cerebral arterioles. Rosenblum WI, et al. **Stroke** 1986 Nov–Dec;17(6):1203–5

Effects of vinpocetine on platelet aggregability and erythrocyte deformability. Kuzuya F. **Ther Hung** 1985; 33(1):22–34

Verapamil inhibits platelet aggregation by a calcium–independent mechanism. Bonadonna G, et al. **Thromb Haemost** 1986 Dec 15;56(3):308–10

The effects of modulation of prostanoid metabolism on the thoracic platelet accumulation induced by intravenous administration of collagen in the guinea–pig. Butler KD, et al. **Thromb Haemost** 1986 Dec 15;56(3):263–7

In vitro incorporation and metabolism of icosapentaenoic and docosahexaenoic acids in human platelets—effect on aggregation. Croset M, et al. **Thromb Haemost** 1986 Aug 20;56(1):57–62

S2–serotonergic receptor inhibition (ketanserin), combined with thromboxane A2/prostaglandin endoperoxide receptor blockade (BM 13.177): enhanced anti–platelet effect [letter] De Clerck F. **Thromb Haemost** 1986 Oct 21; 56(2):236

The platelet reactivity of collagen type I: evidence for multiple platelet–reactive sites in the type I collagen molecule. Fitzsimmons CM, et al. **Thromb Haemost** 1986 Aug 20;56(1):95–9

Effect of indomethacin and dazoxiben on intravascular platelet aggregation in the anaesthetized rabbit. Honey AC, et al. **Thromb Haemost** 1986 Aug 20;56(1):80–5

Role of red blood cells in the early stages of platelet activation by collagen. Santos MT, et al. **Thromb Haemost** 1986 Dec 15;56(3):376–81

Prolonged bleeding time, reduced platelet aggregation, altered PAF–acether sensitivity and increased platelet mass are a trait of asthma and hay fever. Szczeklik A, et al. **Thromb Haemost** 1986 Dec 15;56(3):283–7

Synergistic potentiation by epinephrine of collagen or thrombin–induced calcium mobilization in human platelets. Ardlie NG, et al. **Thromb Res** 1987 May 15;46(4):519–26

Platelet aggregation and endogenous 5–HT secretion in presence of Ca2+, Sr2+ and Ba2+. Effects of calcium antagonists. Blache D, et al. **Thromb Res** 1987 Jun 15; 46(6):779–91

Heparin–induced platelet aggregation is inhibited by antagonists of the thromboxane pathway. Brace LD, et al. **Thromb Res** 1986 Nov 1;44(3):417–8

Antagonism of U46619–induced aggregation of human and canine platelets by four TXA2 receptor antagonists. Bush LR, et al. **Thromb Res** 1986 Nov 1;44(3):377–89

The effect of platelet surface protein phosphorylation on collagen–platelet interaction. Chiang TM, et al. **Thromb Res** 1986 Dec 1;44(5):639–47

Inhibitory effects of three new synthetic compounds on human platelet aggregation. Chignard M, et al. **Thromb Res** 1986 Nov 15;44(4):445–54

Effects of bacterial endotoxin and platelet activating factor (PAF) on human platelet aggregation in native whole blood. Davis RB, et al. **Thromb Res** 1986 Dec 1; 44(5):565–73

Platelet aggregation in human whole blood after chronic administration of aspirin. de la Cruz JP, et al. **Thromb Res** 1987 Apr 1;46(1):133–40

Platelet aggregation on whole blood after administration of ultra low dosage acetylsalicylic acid in healthy volunteers. Doutremepuich C, et al. **Thromb Res** 1987 Aug 1; 47(3):373–7

Evidence for an anti–aggregatory effect of adenosine at physiological concentrations and for its role in the action of dipyridamole. Edlund A, et al. **Thromb Res** 1987 Jan 15;45(2):183–90

The single prostacyclin receptor of gel–filtered platelets provides a correlation with antiaggregatory potency of PGI2 mimics. Eggerman TL, et al. **Thromb Res** 1987 Mar 1;45(5):645–59

Biphasic platelet aggregation in rat plasma and the effect of calcium flux modulators. Emery M, et al. **Thromb Res** 1987 May 15;46(4):617–23

Ticlopidine inhibits platelet thrombus formation studied in a flowing system. Escolar G, et al. **Thromb Res** 1987 Mar 1;45(5):561–71

Sex–related differences in the effects of aspirin on the interaction of platelets with subendothelium. Escolar G, et al. **Thromb Res** 1986 Dec 15;44(6):837–47

Mechanism of vasopressin–induced platelet aggregation. Filep J, et al. **Thromb Res** 1987 Jan 1;45(1):7–15

Leukotrienes do not modify the effects of PAF on human platelet aggregation. Filep J, et al. **Thromb Res** 1987 Mar 15;45(6):865–70

In vivo measurement of the disaggregatory action of prostacyclin. A methodological study. Hermán F, et al. **Thromb Res** 1986 Dec 1;44(5):575–85

Alloxan–induced hyperglycemia in rabbits and the response of platelets to aggregating agents in vitro and to exposed subendothelium in vivo. Ingerman–Wojenski CM, et al. **Thromb Res** 1987 Jun 1;46(5):635–47

Epinephrine does not induce platelet aggregation in citrated whole blood [letter] Joseph R, et al. **Thromb Res** 1987 Mar 15;45(6):871–2

The effect of thromboxane A2 synthesis inhibitors on platelet aggregation in whole blood. Lad N, et al. **Thromb Res** 1987 May 15;46(4):555–66

Cyclic nucleotide phosphodiesterase inhibitors prevent aggregation of human platelets by raising cyclic AMP and reducing cytoplasmic free calcium mobilization. Lanza F, et al. **Thromb Res** 1987 Mar 1;45(5):477–84

ATP–secretion occurs as an initial response in collagen induced platelet activation. Malmgren R. **Thromb Res** 1986 Aug 15;43(4):445–53

The effects of aspirin and PGE1 on the flow resistance of surface–induced microemboli in human blood. Merris CS, et al. **Thromb Res** 1987 May 1;46(3):503–8

Effects of Y–20811, a long–lasting thromboxane synthetase inhibitor, on thromboxane production and platelet function. Mikashima H, et al. **Thromb Res** 1986 Aug 15;43(4):455–68

Characterization of a potent inhibitor of platelet aggregation and release reaction isolated from allium sativum (garlic). Mohammad SF, et al. **Thromb Res** 1986 Dec 15; 44(6):793–806

Tissue–type plasminogen activator and streptokinase induce platelet hyperaggregability in the rabbit. Ohlstein EH, et al. **Thromb Res** 1987 May 15;46(4):575–85

Inhibition of platelet aggregation and [14C] serotonin release by luciferin: luciferase preparations. Pfueller SL, et al. **Thromb Res** 1986 Nov 15;44(4):539–42

Inhibition of platelet aggregation by novel triphenylethylene analogs. Rao GH, et al. **Thromb Res** 1986 Nov 15; 44(4):527–38

A paradoxical effect of antibody concentration on vWF–dependent platelet agglutination distinguishes between botrocetin and ristocetin–induced agglutination. Roberson DW, et al. **Thromb Res** 1986 Dec 15;44(6):749–60

Effects in mice of testosterone and dihydrotestosterone on platelet aggregation in injured arterioles and ex vivo. Rosenblum WI, et al. **Thromb Res** 1987 Mar 15;45(6):719–28

Certain membrane–interacting amphiphiles inhibit aggregation and reverse shape change of rabbit platelets pre–activated with arachidonic acid through dissociation of cytoskeletal assembly. Sato T, et al. **Thromb Res** 1987 May 15;46(4):587–92

Plasma–dependent and –independent mechanisms of platelet aggregation induced by human tumour cell lines. Scarlett JD, et al. **Thromb Res** 1987 Jun 1;46(5):715–26

Inhibition of platelet aggregation by amiloride. Siffert W, et al. **Thromb Res** 1986 Oct 15;44(2):235–40

Effect of BN 52021, a specific antagonist of platelet activating factor (PAF–acether), on calcium movements and phosphatidic acid production induced by PAF–acether in human platelets. Simon MF, et al. **Thromb Res** 1987 Feb 15;45(4):299–309

Dissociation of the aggregating effect and the inhibitory effect upon cyclic adenosine monophosphate accumulation by adrenaline and adenosine diphosphate in human platelets. Stormorken H, et al. **Thromb Res** 1987 Feb 15; 45(4):363–70

Effect of cobra venom phospholipase A2 on platelet aggregation in comparison with those produced by arachidonic acid and lysophosphatidylcholine. Teng CM, et al. **Thromb Res** 1986 Dec 15;44(6):875–86

The influence of glutathione and other thiols on human platelet aggregation. Thomas G, et al. **Thromb Res** 1986 Dec 15;44(6):859–66

Platelet aggregation induced by ether–linked phospholipids. 2. Mechanism of desensitization of rabbit platelets by platelet activating factor and reversibility of inhibitory actions of its antagonists. Tokumura A, et al. **Thromb Res** 1987 Apr 1;46(1):153–61

Platelet aggregation induced by ether–linked phospholipids. 1. Inhibitory actions of bovine serum albumin and structural analogues of platelet activating factor. Tokumura A, et al. **Thromb Res** 1987 Apr 1;46(1):51–63

Dual effect of naloxone on blood platelet aggregation and cerebral blood flow in gerbils. Turčáni P, et al. **Thromb Res** 1986 Dec 15;44(6):817–28

Infusion of emulsified trieicosapentaenoyl–glycerol into rabbits—the effects on platelet aggregation, polymorphonuclear leukocyte adhesion, and fatty acid composition in plasma and platelet phospholipids. Urakaze M, et al. **Thromb Res** 1986 Dec 1;44(5):673–82

Interference of the thromboxane antagonist SK&F 88046 with platelet activation and subsequent desensitization by arachidonic acid and the thromboxane mimetics U46619 and EP171. Vargaftig B, et al. **Thromb Res** 1987 May 15; 46(4):509–17

Kinetics of the beta–thromboglobulin release from alpha–granules of blood platelets activated by ADP. Walkowiak B, et al. **Thromb Res** 1987 Jun 1;46(5):727–36

Cyclooxygenase—independent pathway of phospholipase activation in carrageenan—induced platelet aggregation. Yeh HI, et al. **Thromb Res** 1987 Jan 1;45(1):39–49

Relative insensitivity of epinephrine induced platelet aggregation to prostacyclin. Zahavi M, et al. **Thromb Res** 1986 Oct 1;44(1):119–24

Inhibition of rat platelet aggregation by a Prudhoe Bay crude oil and its aliphatic, aromatic, and heterocyclic fractions. Chaudhury S, et al. **Toxicol Appl Pharmacol** 1987 Sep 15; 90(2):347–56

Platelet aggregation inhibitors from Agkistrodon acutus snake venom. Ouyang C, et al. **Toxicon** 1986; 24(11–12):1099–106

Purification and characterization of a platelet aggregation inducer from Calloselasma rhodostoma (Malayan pit viper) snake venom. Ouyang CH, et al. **Toxicon** 1986;24(7):633–43

von Willebrand factor can substitute for plasma fibrinogen in ADP–induced platelet aggregation. Timmons S, et al. **Trans Assoc Am Physicians** 1986;99:226–35

Influence of treatment with diethylstilbestrol for carcinoma of prostate on platelet aggregation and plasma lipoproteins. Agardh CD, et al. **Urology** 1986 Dec;28(6):469–71

[Effects of qixue injections on the function of platelets in coronary disease patients] Wang SR, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):12–4, 3 (Eng. Abstr.) **(Chi)**

[Effect of tonic prescriptions on platelet aggregation] Yu SZ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):100–1, 70 (Eng. Abstr.) **(Chi)**

[Effect of chuan–xiong granules on platelet aggregation, plasma beta–thromboglobulin, platelet factor IV, thromboxane B2 and 6–keto–prostaglandin F1 alpha in coronary disease patients] Yu Z, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):8–11, 3 (Eng. Abstr.) **(Chi)**

[Studies on anti–platelet aggregation effect of Allitridi in hypercholesterolemic rabbits] Zhang SL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):677–8, 646 (Eng. Abstr.) **(Chi)**

[Effect of nifedipine on platelet function] Hu ZW. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Jun; 14(3):145–6 **(Chi)**

[Levels of intra– and extra–platelet 5–HT–analogous substances and the effect of 5–HT on platelet aggregation in acute myocardial infarction] Xia Y, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1987 Apr; 15(2):83–5, 127 (Eng. Abstr.) **(Chi)**

[Inhibitory action of procainamide on blood platelet aggregation in rabbits and guinea pigs] Shan CW, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):63–4 (Eng. Abstr.) **(Chi)**

[Effect of 3,4–dihydroxyacetophenone on the membrane fluidity of platelets by fluorescence polarization analysis] Shi L, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar; 7(2):149–51 (Eng. Abstr.) **(Chi)**

[Haemostatic effect of crude crystals of processed human hair] Gu YF. **Chung Yao Tung Pao** 1986 Aug;11(8):47–9 **(Chi)**

[The mechanism of inhibition of anisodamine on platelet aggregation induced by E. coli endotoxin] Zhu GJ, et al. **Sheng Li Hsueh Pao** 1986 Jun;38(3):300–5 (Eng. Abstr.) **(Chi)**

[Antithrombotic effect of daphnetin in the rat] Qu SY, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):498–501 (Eng. Abstr.) **(Chi)**

[Anti–aggregating agents: for which patients?] Nicolas G. **Ann Cardiol Angeiol (Paris)** 1986 Dec;35(10):623–7 (27 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of retinal vein occlusions by a platelet antiaggregant: sulfinpyrazone (Anturan 200)] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):913–5 (Eng. Abstr.) **(Fre)**

[Comparison of the effects of SIN–1, sodium nitroprusside and nitrate derivatives on the inhibition of blood platelet aggregation and activation of soluble platelet guanylate–cyclase] Karrenbrock B, et al. **Pathol Biol (Paris)** 1987 Feb;35(2 Pt 2):251–4 (Eng. Abstr.) **(Fre)**

[Mechanism of the vasodilating effect and blood platelet–antiaggregating activity of molsidomine and SIN–1] Kukovetz WR, et al. **Pathol Biol (Paris)** 1987 Feb;35(2 Pt 2):260–5 (Eng. Abstr.) **(Fre)**

[Mode of action and clinical evaluation of platelet aggregation inhibitors] David JL. **Rev Med Liege** 1987 May 15;42(10):526–33 **(Fre)**

[Role of platelet anti–aggregants in cardiovascular surgery] Limet R. **Rev Med Liege** 1987 May 15;42(10):493–5 **(Fre)**

[Anti–aggregation and anticoagulant effects of oligoamines. 3. M–phenylenebisaminoalkanes] Rehse K, et al. **Arch Pharm (Weinheim)** 1987 Mar;320(3):228–33 (Eng. Abstr.) **(Ger)**

[Anti–aggregant and anticoagulant effects of oligoamines. II. P–phenylenebis(alkanamines)] Rehse K, et al. **Arch Pharm (Weinheim)** 1986 Jul;319(7):603–7 (Eng. Abstr.) **(Ger)**

[The effect of ciprofloxacin on epinephrine and collagen–induced thrombocyte aggregation in vitro] Reuter HD, et al. **Arzneimittelforschung** 1986 Jul;36(7):1144–7 (Eng. Abstr.) **(Ger)**

[Changes in blood coagulation, thrombocyte function and vascular prostacyclin synthesis caused by magnesium sulfate] Briel RC, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):332–6 (Eng. Abstr.) **(Ger)**

[Anticoagulants vs. low–dose aggregation inhibitors in the prevention of perioperative occlusion of aortocoronary bypass grafts. Preliminary results of a prospective randomized study] Pfisterer M, et al. **Helv Chir Acta** 1987 Feb;53(4):497–500 (Eng. Abstr.) **(Ger)**

[DTIC: effect on fibrinolysis and thrombocyte function] Biltz H, et al. **Onkologie** 1986 Oct;9(5):270–3 (Eng. Abstr.) **(Ger)**

[Synthesis and thrombocyte aggregating action of stereoisomers of PAF–acether] Kertscher HP, et al. **Pharmazie** 1986 Aug;41(8):596 **(Ger)**

[Effect of iloprost on aggregation behavior in kidney conditioning and changes in iloprost concentration in kidney preservation] Rebmann U, et al. **Z Urol Nephrol** 1986 Dec;79(12):733–8 (Eng. Abstr.) **(Ger)**

[Anticoagulant and platelet–inhibition therapy of patients with artificial heart valves] Boda Z, et al. **Orv Hetil** 1987 Feb 1;128(5):239–42 (Eng. Abstr.) **(Hun)**

[Platelet aggregation induced by arachidonic acid, ADP, thrombin. Study of the antiaggregation effects of verbenone and indomethacin] Chiariello M, et al. **Boll Chim Farm** 1986 Nov;125(11):387–9 (Eng. Abstr.) **(Ita)**

[Diltiazem–induced changes in plasma beta–thromboglobulin and platelet aggregation in chronic cor pulmonale] Camerone G, et al. **Clin Ter** 1986 Aug 15;118(3):187–91 (Eng. Abstr.) **(Ita)**

[The Italian Group for the Study of Streptokinase in Myocardial Infarct: Concomitant and successive pharmacological treatments] G **Ital Cardiol** 1987 Jan;

17(1):30–4 (Eng. Abstr.) **(Ita)**

[Antiplatelet activity of picotamide in patients with chronic vascular pathology] Coto V, et al. **Minerva Cardioangiol** 1986 Sep;34(9):601–4 (Eng. Abstr.) **(Ita)**

[Antiaggregating effect of indobufen. Preliminary results of a study of 20 patients] Andriani A, et al. **Recenti Prog Med** 1986 Dec;77(12):580–6 (Eng. Abstr.) **(Ita)**

[Determination of ADP-induced platelet aggregability using a pattern-matching method] Kumagai Y, et al. **Iyodenshi To Seitai Kogaku** 1986 Sep;24(5):321–6 (Eng. Abstr.) **(Jpn)**

[Inhibitory effect of ticlopidine on platelet aggregation in open heart surgery] Shiguma S, et al. **Kyobu Geka** 1987 May;40(6):466–9 (Eng. Abstr.) **(Jpn)**

[Superior vena cava reconstruction with an antiplatelet agent] Hasegawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):857–61 (Eng. Abstr.) **(Jpn)**

[Problems of the elderly patient in anticoagulant and platelet-suppressant drug treatment] Nagakawa Y, et al. **Nippon Ronen Igakkai Zasshi** 1986 Jul;23(4):372–8 (Eng. Abstr.) **(Jpn)**

[Antiplatelet therapy and platelet function studies in elderly patients with ischemic heart disease—evaluation of whole blood platelet aggregation] Kawamura H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1815–22 (Eng. Abstr.) **(Jpn)**

[Effect of combined application of coenzyme Q10 with adriamycin—with special reference to hemorrhagic diathesis] Kokawa T, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):872–8 (Eng. Abstr.) **(Jpn)**

[Studies on platelets in a patient with a novel hereditary platelet function disorder—impaired aggregation in response to A 23187 with normal response to arachidonic acid] Sugiyama T, et al. **Rinsho Ketsueki** 1986 Oct; 27(10):1834–42 (Eng. Abstr.) **(Jpn)**

[Inhibitory effect of EB-382, a non-steroidal antiinflammatory agent, on platelet aggregation] Fujiyoshi T, et al. **Yakugaku Zasshi** 1987 Jan;107(1):76–81 (Eng. Abstr.) **(Jpn)**

[Acetylsalicylic acid. Inhibition of platelet function (letter)] N'sen DW, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10; 107(10–11):967 **(Nor)**

[Effect of histones F1 and F2 alpha 1, chondroitin sulfate A and their complexes on platelet aggregation induced by ADP and arachidonic acid] Czaczkowska T, et al. **Acta Haematol Pol** 1986 Jan–Jun;17(1–2):22–6 (Eng. Abstr.) **(Pol)**

[Effect of vitamin E on the changes in plasma lipid peroxides and platelet aggregation in patients with hyperlipoproteinemia] Dworski R, et al. **Pol Arch Med Wewn** 1986 Jun;75(6):393–401 (Eng. Abstr.) **(Pol)**

[Effect of amiodarone on selected functions of blood platelets in patients with premature ventricular excitation] Florkiewicz H, et al. **Pol Tyg Lek** 1986 Sep 22; 41(38):1214–7 (Eng. Abstr.) **(Pol)**

[Inhibition of platelet aggregation by dinitrosyl iron complexes with low molecular weight ligands] Mordvintsev PI, et al. **Biokhimiia** 1986 Nov;51(11):1851–7 (Eng. Abstr.) **(Rus)**

[Changes in the cyclic nucleotide level and the inhibition of human thrombocyte aggregation in 3-hydroxypyridine exposure] Muranov KO, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):432–4 (Eng. Abstr.) **(Rus)**

[Anti-aggregation action of hypochlorite on the thrombocytes] Murina MA, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):676–8 (Eng. Abstr.) **(Rus)**

[Effect of diets with different linoleic acid levels on the aggregation of thrombocytes, their sensitivity to calcium and microviscosity of the thrombocyte membrane in rats] Pinelis VG, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):160–2 **(Rus)**

[Effect of heparin on the vascular thrombocytic link of the hemostatic system and pathogenetic correction of ensuing disorders] Tlepshukov IK. **Biull Eksp Biol Med** 1986 Nov; 102(11):544–5 (Eng. Abstr.) **(Rus)**

[Free cytoplasmic calcium and thrombocyte aggregation in patients with ischemic heart disease. The effect of ADP, thrombocyte activation factor and serotonin] Panchenko EP, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):90–6 (Eng. Abstr.) **(Rus)**

[Effect of trapidil and papaverine on thrombocyte aggregation and phosphodiesterase activity] Glusa E. **Farmakol Toksikol** 1986 Nov–Dec;49(6):48–9 (Eng. Abstr.) **(Rus)**

[Antiaggregation action and pharmacokinetics of lysine acetylsalicylate] Khadzhal Ial, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):58–62 (Eng. Abstr.) **(Rus)**

[Changes in thrombocyte aggregation as affected by the sodium salt of galbanic acid in an experiment] Martirosov MS. **Farmakol Toksikol** 1986 Nov–Dec;49(6):49–51 **(Rus)**

[Experimental research on the action of isoptin and alkylenediamine derivatives on the aggregation capacity and the membrane-bound calcium level of thrombocytes] Mironiuk EP, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):42–6 (Eng. Abstr.) **(Rus)**

[Platelet aggregating capacity with different aggregation inducers in healthy subjects] Sopina NV. **Lab Delo** 1987; (7):516–20 (Eng. Abstr.) **(Rus)**

[Effect of thrombogenic substances and drugs on the antiaggregation activity of the vessels in atherosclerosis] Gabrielian ES, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb; (1):22–5 (Eng. Abstr.) **(Rus)**

[Changes in peripheral hemodynamics and platelet aggregation during captopril treatment of patients with chronic circulatory failure] Akhmed Kh, et al. **Ter Arkh** 1986;58(11):58–61 (Eng. Abstr.) **(Rus)**

[Effect of indomethacin on basic parameters of gastric secretion, aggregative activity of blood platelets and fibrinolysis] Fisher AA, et al. **Ter Arkh** 1987;59(2):34–9 (Eng. Abstr.) **(Rus)**

[Characteristics of prostanoid synthesis in patients with duodenal ulcer complicated by a history of hemorrhage] Fisher AA, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):66–73 (Eng. Abstr.) **(Rus)**

[In vivo antiaggregant activity of dihydroergotoxine] Manzanares J, et al. **Arch Farmacol Toxicol** 1986 Aug–Dec; 12(2–3):139–44 (Eng. Abstr.) **(Spa)**

[Release reaction in Glanzmann thrombasthenia] Schattner MA, et al. **Medicina (B Aires)** 1986;46(4):407–12 (Eng. Abstr.) **(Spa)**

PLATELET COUNT

Automated platelet-sizing parameters on a normal population. Graham SS, et al. **Am J Clin Pathol** 1987 Mar; 87(3):365–9

Hematologic parameters and leukocyte histogram patterns in infectious mononucleosis. Lofsness KG, et al. **Am J Clin Pathol** 1987 Apr;87(4):485–90

Platelet counts in three racial groups. Saxena S, et al. **Am J Clin Pathol** 1987 Jul;88(1):106–9

Natural history of human immunodeficiency virus infections in hemophiliacs: effects of T-cell subsets, platelet counts, and age. Eyster ME, et al. **Ann Intern Med** 1987 Jul; 107(1):1–6

Comparison of posttransfusion recoveries achieved with either fresh or stored platelet concentrates. Peter-Salonen K, et al. **Blut** 1987 Apr;54(4):207–12

Platelet counts in healthy Nigerian neonates and infants. Ogala WN. **East Afr Med J** 1986 Sep;63(9):592–4

Leukocyte, lymphocyte and platelet response to dynamic exercise. Duration or intensity effect? Gimenez M, et al. **Eur J Appl Physiol** 1986;55(5):465–70

Thrombocytopenia in liver cirrhosis complicated by variceal haemorrhage: lack of increase in platelet count after spleno renal distal shunt. Luzzatto G, et al. **Folia Haematol (Leipz)** 1987;114(1):145–52

Platelet count is positively correlated with white cell count and red cell count. Milner PC, et al. **Haemostasis** 1987; 17(4):211–6

Community practice and cancer clinical trials: III. Value of platelet and differential counts. Hall TC, et al. **Hawaii Med J** 1986 Aug;45(8):262

Post-splenectomy megathrombocythaemia hypothesis: absence of splenic storage. Harding B, et al. **Ir J Med Sci** 1987 Jun;156(6):190–2

Platelet population profiles: significance of species variation and drug-induced changes. Eason CT, et al. **J Appl Toxicol** 1986 Dec;6(6):437–41

Platelet count and thrombopoietic activity in patients with chronic renal failure. Gafter U, et al. **Nephron** 1987; 45(3):207–10

Platelet dimensions in pregnancy-induced hypertension. Rosevear SK, et al. **NZ Med J** 1986 May 28;99(802):356–7

Platelets in blood and salivary glands of patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:170–2

HELLP syndrome without hypertension [letter] Blereau RP. **South Med J** 1987 Aug;80(8):1068–9

Acute and chronic changes in platelet volume and count after cardiopulmonary bypass induced thrombocytopenia in man. Martin JF, et al. **Thromb Haemost** 1987 Feb 3; 57(1):55–8

[Autoimmune thrombopenia and pregnancy. Value of counting scalp platelets] Fernandez H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):923–7 (Eng. Abstr.) **(Fre)**

[Thrombocyte transfusion: increase in platelets in relation to clinical and immunologic prerequisites] Panzer S, et al. **Infusionsther Klin Ernahr** 1987 Apr;14 Suppl 2:10–4 (Eng. Abstr.) **(Ger)**

[Clinicopathologic conference. Chronic myeloproliferative disease with an increase in platelet count in the differential diagnosis of primary (essential, idiopathic) thrombocythemia (PTH)] Zankovich R, et al. **Med Klin** 1986 Jan 17;81(1):31–5 **(Ger)**

[Thrombocyte substitution, 2: Thrombocyte preparations and determining the effectiveness of thrombocyte transfusion] Anders O, et al. **Z Gesamte Inn Med** 1986 Dec 1; 41(23):647–51 (Eng. Abstr.) **(Ger)**

[Determination of activated recalcification time in thrombocyte-poor plasma] Kuhfahl E. **Z Med Lab Diagn** 1986;27(8):451–7 (Eng. Abstr.) **(Ger)**

[Studies on application of anticoagulants for the platelet counting of the patient with pseudothrombocytopenia] Nagata T, et al. **Rinsho Byori** 1987 Mar;35(3):309–15 **(Jpn)**

[Functional properties of thrombocytes in obese pregnant women] Chernukha GE. **Akush Ginekol (Mosk)** 1987 Feb; (2):50–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of lithium on the platelet count in neoplastic patients treated with polychemotherapy [letter] Carulli G, et al. **Actz Haematol (Basel)** 1986;75(4):242–3

The effect of lithium on platelet count. Balon R, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):474–8

[EDTA-dependent pseudo-thrombopenia] Reusser P, et al. **Schweiz Med Wochenschr** 1986 Nov 8;116(45):1566–9 (Eng. Abstr.) **(Ger)**

[Effect of low-dose heparin on the peripheral platelet count] Steinberg M, et al. **Harefuah** 1986 Dec 15;111(12):414–5 (Eng. Abstr.) **(Heb)**

INSTRUMENTATION

Circuit for improved measurements of platelet volume distributions in whole blood samples [letter] Haynes JL. **Med Biol Eng Comput** 1986 Jul;24(4):447–8

[Reference ranges for electronic thrombocyte counting using the Picoscale and Laborscale] Diederich G, et al. **Z Med Lab Diagn** 1987;28(1):61–2 **(Ger)**

METHODS

Multiple methods for platelet enumeration. Observation of a newly introduced bias. Yacko M, et al. **Am J Clin Pathol** 1987 Jan;87(1):109–12

Measurement of platelet loss in the blood compatibility assessment of biomaterials. Courtney JM, et al. **Biomaterials** 1987 May;8(3):231–3

Regional platelet concentration in blood flow through capillary tubes. Corattiyl V, et al. **Microvasc Res** 1986 Sep; 32(2):261–70

Evidence that 111In-labelled platelets pool in the spleen, but not in the liver of normal humans and baboons. Kotzé HF, et al. **Scand J Haematol** 1986 Sep;37(3):259–64

[Automatic and manual methods for counting the thrombocytes in the blood] Penev M, et al. **Vutr Boles** 1987; 26(2):109–12 (Eng. Abstr.) **(Bul)**

PLATELET-DERIVED GROWTH FACTOR

Structure and function of platelet-derived growth factor. Westermark B, et al. **Acta Med Scand [Suppl]** 1987; 715:19–23 (33 ref.)

Structure of the receptor for platelet-derived growth factor helps define a family of closely related growth factor receptors. Yarden Y, et al. **Nature** 1986 Sep 18–24; 323(6085):226–32

ANALYSIS

Platelet acquired defect in PDGF and beta thromboglobulin content in hairy cell leukaemia: improvement after interferon therapy. Dupuy E, et al. **Br J Haematol** 1987 Jan;65(1):107–10

[Platelet-derived growth factor (PDGF)] Shimokado K, et al. **Rinsho Byori** 1987 Jun;Spec No 71:209–16 (30 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Monoclonal antibody C3.1 is a platelet derived growth factor (PDGF) antagonist. Kawahara RS, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):839–45

[Cell growth inhibitors and TGF-beta masking protein in platelets] Nakamura T. **Seikagaku** 1987 Mar;59(3):147–53 (25 ref.) **(Jpn)**

BIOSYNTHESIS

Platelet-derived growth factor. Phorbol ester induces the expression of the B-chain but not of the A-chain in HEL cells. Weich HA, et al. **FEBS Lett** 1987 Mar 9;213(1):89–94

Aortic endothelial cells synthesize basic fibroblast growth factor which remains cell associated and platelet-derived growth factor-like protein which is secreted. Vlodavsky I, et al. **J Cell Physiol** 1987 Jun;131(3):402–8

Production of platelet-derived growth factorlike protein by rat mesangial cells in culture. Abboud HE, et al. **J Clin Invest** 1987 Sep;80(3):675–83

Synthesis and secretion of platelet-derived growth factor by human breast cancer cell lines. Bronzert DA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5763–7

Production of platelet-derived growth factor-like molecules by cultured arterial smooth muscle cells accompanies proliferation after arterial injury. Walker LN, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7311–5

BLOOD

Dipyridamole decreases platelet-derived growth factor levels in human serum. Takehara K, et al. **Arteriosclerosis** 1987 Mar–Apr;7(2):152–8

[Megakaryoblastic transformation in polycythemia vera—a case of megakaryoblastic leukemia associated with myelofibrosis and elevation of serum PDGF-like activity] Oda K, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2118–23 (Eng. Abstr.) **(Jpn)**

GENETICS

Evidence for progressional changes in the human malignant glioma line U-343 MGa: analysis of karyotype and expression of genes encoding the subunit chains of platelet-derived growth factor. Nistér M, et al. **Cancer Res** 1987 Sep 15;47(18):4953–60

Oncogenic potential of the human platelet-derived growth factor transcriptional unit. Rao CD, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:959–66

Induction of platelet-derived growth factor gene expression during megakaryoblastic and monocytic differentiation of human leukemia cell lines. Alitalo R, et al. **EMBO J** 1987 May;6(5):1213–8

Agents that increase cAMP accumulation block endothelial c-sis induction by thrombin and transforming growth factor-beta. Daniel TO, et al. **J Biol Chem** 1987 Sep 5; 262(25):11893–6

Human iliac artery endothelial cells express both genes encoding the chains of platelet-derived growth factor (PDGF) and synthesize PDGF-like mitogen. Sitaras NM, et al. **J Cell Physiol** 1987 Aug;132(2):376–80

Biosynthesis of the v-sis gene product: signal sequence cleavage, glycosylation, and proteolytic processing. Hannink M, et al. **Mol Cell Biol** 1986 Apr;6(4):1343–8

Deletions in the C-terminal coding region of the v-sis gene: dimerization is required for transformation. Hannink M, et al. **Mol Cell Biol** 1986 Apr;6(4):1304–14

Expression of c-sis and platelet-derived growth factor in in vitro-transformed glioma cells from rat brain tissue transplacentally treated with ethylnitrosourea. Lens PF, et al. **Mol Cell Biol** 1986 Oct;6(10):3537–40

Alternative RNA splicing affects function of encoded platelet-derived growth factor A chain. Collins T, et al. **Nature** 1987 Aug 13–19;328(6131):621–4

Possible positive autocrine feedback in the prereplicative phase of human fibroblasts. Paulsson Y, et al. **Nature** 1987 Aug 20–26;328(6132):715–7

cDNA clones reveal differences between human glial and endothelial cell platelet-derived growth factor A-chains. Tong BD, et al. **Nature** 1987 Aug 13–19;328(6131):619–21

Sequences of the 5' portion of the human c-sis gene: characterization of the transcriptional promoter and regulation of expression of the protein product by 5' untranslated mRNA sequences. Ratner L, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6017–36

sis (platelet-derived growth factor B chain) gene transcript levels are elevated in human atherosclerotic lesions compared to normal artery. Barrett TB, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1099–103

cDNA for the human beta 2-adrenergic receptor: a protein with multiple membrane-spanning domains and encoded by a gene whose chromosomal location is shared with that of the receptor for platelet-derived growth factor. Kobilka BK, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):46–50

Human melanoma cell lines of primary and metastatic origin express the genes encoding the chains of platelet-derived growth factor (PDGF) and produce a PDGF-like growth factor. Westermark B, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7197–200

Ultrastructural localization of a platelet-derived growth factor/v-sis-related protein(s) in cytoplasm and nucleus of simian sarcoma virus-transformed cells. Yeh HJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2317–21

ISOLATION & PURIFICATION

Platelet derived growth factor is present in human placenta: purification from an industrially processed fraction. Marez A, et al. **Biochimie** 1987 Feb;69(2):125–9

METABOLISM

Cultured human endothelial cells express platelet-derived growth factor A chain. Collins T, et al. **Am J Pathol** 1987 Jan;126(1):7–12

Activity of human, bovine and porcine platelet-derived growth factor in a radioreceptor assay with human placental membrane protein. Czyrski JA, et al. **FEBS Lett** 1987 Jul 27;219(2):331–4

Biosynthetic and glycosylation studies of cell surface platelet-derived growth factor receptors. Daniel TO, et al. **J Biol Chem** 1987 Jul 15;262(20):9778–84

Processing of the platelet-derived growth factor receptor. Biosynthetic and degradation studies using anti-receptor antibodies. Keating MT, et al. **J Biol Chem** 1987 Jun 5; 262(16):7932–7

Constitutive and inducible secretion of platelet-derived growth factor analogs by human leukemic cell lines coexpressing erythroid and megakaryocytic markers. Papayannopoulou T, et al. **J Clin Invest** 1987 Mar; 79(3):859–66

Tumor necrosis factor-mediated release of platelet-derived growth factor from cultured endothelial cells. Hajjar KA, et al. **J Exp Med** 1987 Jul 1;166(1):235–45

Activity of platelet-derived growth factor (PDGF) in platelet concentrates and cryopreserved platelets determined by PDGF bioassay. Sekido Y, et al. **Vox Sang** 1987;52(1–2):27–30

PHARMACODYNAMICS

Effects of PDGF on inositol phosphates, Ca2+, and contraction of mesangial cells. Menè P, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F458–63

Downregulation of high density lipoprotein receptor activity of cultured fibroblasts by platelet-derived growth factor. Oppenheimer MJ, et al. **Arteriosclerosis** 1987 Jul–Aug; 7(4):325–32

Possible involvement of protein kinase C in platelet-derived growth factor-stimulated DNA synthesis in vascular smooth muscle cells. Kariya KI, et al. **Atherosclerosis** 1987 Feb;63(2–3):251–5

The lack of PDGE-stimulated PGE2 release from ras-transformed NIH-3T3 cells results from reduced phospholipase C but not phospholipase A2 activity. Benjamin CW, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1254–9

Cyclosporin A inhibits kinase C-independent activation of the Na+/H+ exchanger by PDGF and vanadate. Daniel TO, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):111–7

PDGF-like growth factor induces EGF-potentiated phenotypic transformation of normal rat kidney cells in the absence of TGF beta. van Zoelen EJ, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1229–35

Irradiation depresses prostacyclin generation upon stimulation with the platelet-derived growth factor. Sinzinger H, et al. **Br J Radiol** 1985 Oct;58(694):1023–6

Common elements in growth factor stimulation and oncogenic transformation: 85 kd phosphoprotein and phosphatidylinositol kinase activity. Kaplan DR, et al. **Cell** 1987 Sep 25;50(7):1021–9

1 alpha, 25-dihydroxyvitamin D3 modulates the growth of 3T3 cells and human skin fibroblasts stimulated by platelet-derived growth factor. Dosquet-Bernard C, et al. **Cell Biol Int Rep** 1986 Dec;10(12):931–8

Growth factors induce early pre-replicative changes in senescent human fibroblasts. Paulsson Y, et al. **EMBO J** 1986 Sep;5(9):2157–62

Interaction of receptors for insulin-like growth factor I, platelet-derived growth factor, and fibroblast growth factor in rat aortic cells. Pfeifle B, et al. **Endocrinology** 1987 Jun;120(6):2251–8

Effects of epidermal growth factor and platelet-derived growth factor on c-fos and c-myc mRNA levels in normal human fibroblasts. Paulsson Y, et al. **Exp Cell Res** 1987 Jul;171(1):186–94

Induction of ornithine decarboxylase activity and putrescine synthesis in arterial smooth muscle cells stimulated with platelet-derived growth factor. Thyberg J, et al. **Exp Cell Res** 1987 May;170(1):160–9

Human bone marrow stromal cell colonies: response to hydrocortisone and dependence on platelet-derived growth factor. McIntyre AP, et al. **Exp Hematol** 1986 Oct; 14(9):833–9

Possible involvement of protein kinase C in the stimulation of amino acid transport by phorbol ester, platelet-derived growth factor and A23187 in Swiss 3T3 cells. Kitagawa K, et al. **Experientia** 1986 Sep 15;42(9):1038–40

Regulation of glycogen synthase activity by growth factors. Relationship between synthase activation and receptor occupancy. Chan CP, et al. **J Biol Chem** 1987 Jan 5; 262(1):276–81

Stimulation of epidermal growth factor receptor threonine 654 phosphorylation by platelet-derived growth factor in protein kinase C-deficient human fibroblasts. Davis RJ, et al. **J Biol Chem** 1987 May 15;262(14):6832–41

Lipoprotein-mediated inhibition of endothelial cell production of platelet-derived growth factor-like protein depends on free radical lipid peroxidation. Fox PL, et al. **J Biol Chem** 1987 May 5;262(13):6046–54

Regulation of phosphoinositide phosphorylation in Swiss 3T3 cells stimulated by platelet-derived growth factor. MacDonald ML, et al. **J Biol Chem** 1987 Jan 25; 262(3):1105–10

Induction of thrombospondin messenger RNA levels occurs as an immediate primary response to platelet-derived growth factor. Majack RA, et al. **J Biol Chem** 1987 Jun 25;262(18):8821–5

Early metabolic effects of platelet-derived growth factor and transforming growth factor-beta in rat liver in vivo. Reed BY, et al. **J Biol Chem** 1987 Jun 25;262(18):8712–5

Platelet proteins, including platelet-derived growth factor, specifically depress a subset of the multiple components of the response elicited by glutathione in Hydra. Hanai K, et al. **J Cell Biol** 1987 Jun;104(6):1675–81

Platelet-derived growth factor stimulation of [3H]-glucosamine incorporation in density-arrested BALB/c-3T3 cells. Harrington MA, et al. **J Cell Physiol** 1987 Jan;130(1):93–102

PDGF induces c-myc mRNA expression in MG-63 human osteosarcoma cells but does not stimulate cell replication. Womer RB, et al. **J Cell Physiol** 1987 Jul;132(1):65–72

Phosphorylation of a 75,000 molecular weight cytosol protein induced by platelet derived growth factor and tumor promoter in BALB/c-3T3 cells. Frantz CN, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(3):217–31

The effect of platelet-derived growth factor on cell division and glycosaminoglycan synthesis by human skin and scar fibroblasts. Savage K, et al. **J Invest Dermatol** 1987 Jul; 89(1):93–9

Growth control of cultured rat calvarium cells by platelet-derived growth factor. Hanks CT, et al. **J Oral Pathol** 1986 Oct;15(9):476–83

Effect of platelet-derived growth factor on enriched populations of haemopoietic progenitors from patients with chronic myeloid leukaemia. Katz FE, et al. **Leuk Res** 1987; 11(4):339–44

A cytokine network in human diploid fibroblasts: interactions of beta-interferons, tumor necrosis factor, platelet-derived growth factor, and interleukin-1. Kohase M, et al. **Mol Cell Biol** 1987 Jan;7(1):273–80

Differential responsiveness of myc- and ras-transfected cells to growth factors: selective stimulation of myc-transfected cells by epidermal growth factor. Stern DF, et al. **Mol Cell Biol** 1986 Mar;6(3):870–7

Growth factor requirements of oncogene-transformed NIH 3T3 and BALB/c 3T3 cells cultured in defined media. Zhan X, et al. **Mol Cell Biol** 1986 Oct;6(10):3541–4

Inhibition of human natural killer cell activity by platelet-derived growth factor. Gersuk GM, et al. **Nat Immun Cell Growth Regul** 1986;5(6):283–93

Platelet-derived growth factor is a mitogen for glial but not for neuronal rat brain cells in vitro. Besnard F, et al. **Neurosci Lett** 1987 Jan 27;73(3):287–92

Loss of platelet-derived growth factor-stimulated phospholipase activity in NIH-3T3 cells expressing the EJ-ras oncogene. Benjamin CW, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):546–50

Ca2+-mobilizing actions of platelet-derived growth factor differ from those of bombesin and vasopressin in Swiss 3T3 mouse cells. Lopez-Rivas A, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5768–72

Opposing effects of a ras oncogene on growth factor-stimulated phosphoinositide hydrolysis: desensitization to platelet-derived growth factor and enhanced sensitivity to bradykinin. Parries G, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2648–52

Platelet-derived growth factor stimulates phagocytosis and blocks agonist-induced activation of the neutrophil oxidative burst: a possible cellular mechanism to protect against oxygen radical damage. Wilson E, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2213–7

Diminished response of Werner's syndrome fibroblasts to growth factors PDGF and FGF. Bauer EA, et al. **Science** 1986 Dec 5;234(4781):1240–3

Platelet-derived growth factor and prostacyclin in kidney transplant rejection. Sinzinger H, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):102–7

PHYSIOLOGY

Platelet-derived growth factor. Ross R. **Annu Rev Med** 1987; 38:71–9 (28 ref.)

Increased platelet-derived mitogenic activity in plasma of young patients with coronary atherosclerosis. Nilsson J, et al. **Atherosclerosis** 1986 Sep;61(3):237–43

Possible association of platelet-derived growth factor (PDGF) with the appearance of reactive astrocytes following brain injury in situ. Takamiya Y, et al. **Brain Res** 1986 Sep 24;383(1–2):305–9

The sis gene and PDGF. Williams LT. **Cancer Surv** 1986; 5(2):233–41

Myelofibrosis: a role for platelet derived growth factor (PDGF)? Romano M, et al. **Haematologica (Pavia)** 1986 Sep–Oct;71(5):359–61

Platelet-derived growth factors as possible mediators of vascular proliferation in the sporadic haemolytic uraemic syndrome. Levin M, et al. **Lancet** 1986 Oct 11; 2(8511):830–3

Platelet-derived growth factor as a mediator of normal and neoplastic cell proliferation. Westermark B, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):177–83 (37 ref.)

[Does platelet derived growth factor induce myelofibrosis in agnogenic myeloid metaplasia?] Teplizky H, et al. **Harefuah** 1987 Jan 15;112(2):102–4 **(Heb)**

[Stimulating effect of degradation products of blood platelets on the regeneration of corneal epithelium] Jodczyk K, et al. **Klin Oczna** 1986 Aug;88(8):273–5 (Eng. Abstr.) **(Pol)**

SECRETION

Growth factors in fibrotic diseases [editorial] Deuel TF, et al. **N Engl J Med** 1987 Jul 23;317(4):236–7

Exaggerated spontaneous release of platelet-derived growth factor by alveolar macrophages from patients with idiopathic pulmonary fibrosis. Martinet Y, et al. **N Engl J Med** 1987 Jul 23;317(4):202–9

PLATELET FACTOR 3 see under **BLOOD COAGULATION FACTORS**

PLATELET FACTOR 4

ANALYSIS

Influence of stable strontium on platelets factor 4 release in sheep blood. Muñoz-Hernández MA, et al. **Arch Farmacol Toxicol** 1986 Aug–Dec;12(2–3):135–8

Fibrinopeptide A and platelet factor levels in unstable angina pectoris. Théroux P, et al. **Circulation** 1987 Jan; 75(1):156–62

Platelet factor 4 (PF4) and heparin released platelet factor 4 (HR-PF4) in diabetes mellitus. Effect of the duration of the disease. Cella G, et al. **Folia Haematol (Leipz)** 1986; 113(5):646–54

Raised plasma concentrations of platelet factor 4 (PF4) in Crohn's disease. Simi M, et al. **Gut** 1987 Mar;28(3):336–8
Plasma beta-thromboglobulin and platelet factor 4 concentrations in patients with atrial fibrillation. Yamauchi K, et al. **Jpn Heart J** 1986 Jul;27(4):481–7
Lack of elevation of beta-thromboglobulin and platelet factor 4 in plasma during exercise in patients with chronic peripheral arterial occlusive disease. Minar E, et al. **Klin Wochenschr** 1987 May 4;65(9):419–23
No effect of acetylsalicylic acid on B-thromboglobulin and platelet factor 4 plasma levels in patients with transient ischaemic attacks. Carrieri P, et al. **Stroke** 1986 Nov–Dec; 17(6):1153–5
Influence of acetylsalicylic acid (1.0 g/day) on platelet survival time, beta-thromboglobulin and platelet factor 4 in patients with peripheral arterial occlusive disease. Minar E, et al. **Thromb Res** 1987 Mar 15;45(6):791–802
Platelet half-life in comparison to other in-vivo platelet function parameters such as thromboxane B2, beta-thromboglobulin and platelet factor 4 in patients with atherosclerotic lesions with and without hyperlipoproteinemia. Strobl-Jäger E, et al. **Vasa** 1986; 15(4):373–8
[Study of blood platelet activation in migraine in childhood] Battistella PA, et al. **Minerva Med** 1987 Jul 31; 78(14):1051–2 **(Ita)**
[Platelet factor 4 and beta-thromboglobulin] Taki M, et al. **Rinsho Byori** 1987 Jun;Spec No 71:192–7 (38 ref.) **(Jpn)**
[Determination of platelet factor 4 in blood plasma] Blagosklonnyl MV, et al. **Lab Delo** 1987;(5):360–3 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Heparin-induced platelet factor 4 release in patients with atherosclerotic peripheral vascular disease. Dunlop MG, et al. **Thromb Res** 1987 Apr 15;46(2):409–10

GENETICS

Cloning and characterization of platelet factor 4 cDNA derived from a human erythroleukemic cell line. Poncz M, et al. **Blood** 1987 Jan;69(1):219–23
Human platelet factor 4 gene is mapped to 4q12——q21. Griffin CA, et al. **Cytogenet Cell Genet** 1987;45(2):67–9
Structure of the rat platelet factor 4 gene: a marker for megakaryocyte differentiation. Doi T, et al. **Mol Cell Biol** 1987 Feb;7(2):898–904
An Eco R1 polymorphism of a human platelet factor 4 (PF4) gene. Guzzo C, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):380

METABOLISM

Clearance of human platelet factor 4 by liver and kidney: its alteration by heparin. Rucinski B, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H800–7

PHARMACODYNAMICS

Interrelationship of protamine and platelet factor 4 in the neutralization of heparin. Shanberge JN, et al. **Thromb Res** 1987 Apr 1;46(1):89–100

PHYSIOLOGY

Platelet factor 4 enhances fibrin fiber polymerization. Carr ME, et al. **Thromb Res** 1987 Mar 1;45(5):539–43

PLATELET FUNCTION TESTS

Effect of a moderate fish intake on blood pressure, bleeding time, hematology, and clinical chemistry in healthy males. von Houwelingen R, et al. **Am J Clin Nutr** 1987 Sep; 46(3):424–36
Comparison of bleeding times performed on the arm and the leg. Hertzendorf LR, et al. **Am J Clin Pathol** 1987 Mar; 87(3):393–6
Measurement of light transmission or impedence should have been included in platelet study [letter] Velaskar DS, et al. **Am J Clin Pathol** 1986 Oct;86(4):554–5
Correction of the bleeding time in treated patients with severe von Willebrand disease is not solely dependent on the normal multimeric structure of plasma von Willebrand factor. Mannucci PM, et al. **Am J Hematol** 1987 May; 25(1):55–65
Bleeding time decreases with age. Macpherson CR, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):328–9
Effect of monoclonal antibodies against von Willebrand factor and platelet glycoproteins IIb/IIIa on the platelet retention test. McPherson J, et al. **Blood** 1987 Aug; 70(2):546–50
Patients with a prolonged bleeding time and normal aggregation tests may have storage pool deficiency: studies on one hundred six patients. Nieuwenhuis HK, et al. **Blood** 1987 Sep;70(3):620–3
Platelet function studies in myeloproliferative disorders. Pfliegler G, et al. **Folia Haematol (Leipz)** 1986; 113(5):655–62
Evaluation of platelet function in postsplenectomy thrombocytosis. Randi ML, et al. **Folia Haematol (Leipz)** 1987;114(2):252–6
Shortening of bleeding time after intranasal administration of 1-deamino-8-D-arginine vasopressin to patients with chronic uremia. Rydzewski A, et al. **Folia Haematol (Leipz)** 1986;113(6):823–30
Aspirin prolongs bleeding time in uremia by a mechanism distinct from platelet cyclooxygenase inhibition. Gaspari F, et al. **J Clin Invest** 1987 Jun;79(6):1788–97
Cumulative effects of quinidine and aspirin on bleeding time and platelet alpha 2-adrenoceptors: potential mechanism of bleeding diathesis in patients receiving this combination. Lawson D, et al. **J Lab Clin Med** 1986 Dec;108(6):581–6
Platelet functions, alpha 2-adrenergic receptors and cytoplasmic free calcium are normal in the myotonic dystrophy of Steinert. Lanza F, et al. **J Neurol Sci** 1987 Jun;79(1-2):13–22
Routine template bleeding time determinations before cardiac procedures [letter] Ferraris VA, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):474–6
Prolonged bleeding time, reduced platelet aggregation, altered PAF-acether sensitivity and increased platelet mass are a trait of asthma and hay fever. Szczeklik A, et al. **Thromb Haemost** 1986 Dec 15;56(3):283–7
Effect of ketanserin on bleeding time: a comparison with aspirin. Fraitag B, et al. **Thromb Res** 1986 Oct 15; 44(2):261–4
Effects of low doses of aspirin, 10 mg and 30 mg daily, on bleeding time, thromboxane production and 6-keto-PGF1 alpha excretion in healthy subjects. Kallmann R, et al. **Thromb Res** 1987 Feb 15;45(4):355–61
[Isolated increase in the bleeding time: the hemorrhagic risk and therapeutic problems] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1986;5(3):315–7 (Eng. Abstr.) **(Fre)**
[In vitro bleeding time] Bellucci S, et al. **Nouv Rev Fr Hematol** 1987;29(1):97–8 (Eng. Abstr.) **(Fre)**
[von Willebrand's disease: diagnostic usefulness of the acetylsalicylic acid tolerance test] Ríos E, et al. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):57–60 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Spontaneous aggregometer—an instrument for continuous measurement of spontaneous thrombocyte aggregation] Kranz WD, et al. **Z Med Lab Diagn** 1987;28(4):207–11 (Eng. Abstr.) **(Ger)**

METHODS

Improved assessment of impedance aggregometry using a microcomputer. Francis JL. **Thromb Res** 1987 Mar 15; 45(6):821–5
[Measurement of platelet adhesion using collagen immobilized beads] Aihara M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 May;49(3):739–41 (Eng. Abstr.) **(Jpn)**

PLATELET MEMBRANE GLYCOPROTEIN COMPLEX IIB–IIIA see **PLATELET MEMBRANE GLYCOPROTEINS**

PLATELET MEMBRANE GLYCOPROTEIN IB see **PLATELET MEMBRANE GLYCOPROTEINS**

PLATELET MEMBRANE GLYCOPROTEINS

see related
PLATELET ADHESIVENESS
PLATELET AGGREGATION

Protein sequence of endothelial glycoprotein IIIa derived from a cDNA clone. Identity with platelet glycoprotein IIIa and similarity to "integrin". Fitzgerald LA, et al. **J Biol Chem** 1987 Mar 25;262(9):3936–9
[Some current topics on platelet membrane glycoproteins] Tsuji T. **Seikagaku** 1986 Nov;58(11):1410–6 (25 ref.) **(Jpn)**

ANALYSIS

Bernard-Soulier syndrome: diagnosis by an ELISA method using monoclonal antibodies in 2 new unrelated patients. De Marco L, et al. **Acta Haematol (Basel)** 1986;75(4):203–8
Identification of a human platelet membrane protein alkylated under conditions inhibitory of phospholipase A2 activity. Silk ST, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):582–8
Quantitation and characterization of human platelet glycoprotein IIIa by radioimmunoassay. Cierniewski CS, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):216–24
Type I Glanzmann thrombasthenia patients from the Iraqi-Jewish and Arab populations in Israel can be differentiated by platelet glycoprotein IIIa immunoblot analysis. Coller BS, et al. **Blood** 1987 Jun;69(6):1696–703
Glycoprotein Ib and glycoprotein IX are fully complexed in the intact platelet membrane. Du X, et al. **Blood** 1987 May;69(5):1524–7
A human monoclonal autoantibody recognizes a neoantigen on glycoprotein IIIa expressed on stored and activated platelets. Nugent DJ, et al. **Blood** 1987 Jul;70(1):16–22
Detection of circulating human platelet fragments by using monoclonal antibodies against platelet glycoprotein IIb-IIIa complex. Vos JJ, et al. **Br J Haematol** 1987 Apr; 65(4):447–50
Identification of two distinct regions within the binding sites for fibrinogen and fibronectin on the IIb-IIIa human platelet membrane glycoprotein complex by monoclonal antibodies P2 and P4. McGregor JL, et al. **Eur J Biochem** 1986 Sep 15;159(3):443–9
Spontaneous deep haematomas in two patients with myelofibrosis. Evidence of platelet membrane glycoprotein modifications. Landolfi R, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):45–8
Glycoprotein Ib distribution on the surface of platelets in resting and activation states: an electron microscope study. Suzuki H, et al. **Histochem J** 1987 Mar;19(3):125–36
Crossed immunoelectrophoresis of human platelet membranes. Effect of charge on association and dissociation of the glycoprotein GPIIb-GPIIIa membrane complex. Karpatkin S, et al. **J Biol Chem** 1986 Oct 25; 261(30):14266–72
A complex of platelet glycoproteins Ic and IIa identified by a rat monoclonal antibody. Sonnenberg A, et al. **J Biol Chem** 1987 Jul 25;262(21):10376–83
Flow cytometric analysis of platelet surface glycoproteins: phenotypically distinct subpopulations of platelets in children with chronic myeloid leukemia. Michelson AD. **J Lab Clin Med** 1987 Sep;110(3):346–54
Amino acid sequence of the von Willebrand factor-binding domain of platelet membrane glycoprotein Ib. Titani K, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5610–4
Correlative light and electron microscopy of platelet adhesion and fibrinogen receptor expression using colloidal-gold labeling. Goodman SL, et al. **Scanning Microsc** 1987 Jun;1(2):727–34
Colloidal gold labelling of fibrinogen receptors in epinephrine- and ADP-activated platelet suspensions. Oliver JA, et al. **Scanning Microsc** 1987 Jun;1(2):745–56
Glanzmann's thrombasthenia: diagnosis supplemented by HP1-1D monoclonal antibody. Shih LY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 May;85(5):488–94
A new variant of thrombasthenia with abnormally glycosylated GP IIb/IIIa. Tanoue K, et al. **Thromb Res** 1987 Aug 1;47(3):323–33
[Analysis of platelet membrane glycoproteins] Watanabe K. **Rinsho Byori** 1987 Jun;Spec No 71:139–50 (6 ref.) **(Jpn)**
[Analysis of Glanzmann's thrombasthenia and Bernard-Soulier syndrome using flow cytometry] Nomura S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):377–85 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Synthesis and postsynthetic processing of platelet GPIIb-IIIa in human megakaryocyte. Duperray A, et al. **Agents Actions [Suppl]** 1986;20:63–8
A human erythroleukemia cell line synthesizes a functionally active glycoprotein IIb-IIIa complex capable of binding fibrinogen. Thiagarajan P, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):127–34
Normal synthesis and expression of endothelial IIb/IIIa in Glanzmann's thrombasthenia. Giltay JC, et al. **Blood** 1987 Mar;69(3):809–12
The in vitro synthesis of polypeptides for the platelet membrane glycoproteins IIb and IIIa. Silver SM, et al. **Blood** 1987 Apr;69(4):1031–7
Biosynthesis of major platelet proteins in human blood platelets. Kieffer N, et al. **Eur J Biochem** 1987 Apr 1; 164(1):189–95
Synthesis of thrombospondin and glycoprotein IIb-IIIa by a purified megakaryocyte human bone marrow culture. Sitar G, et al. **Haematologica (Pavia)** 1986 Sep–Oct; 71(5):389–93
Expression of platelet glycoprotein Ib alpha in HEL cells. Kieffer N, et al. **J Biol Chem** 1986 Dec 5;261(34):15854–62
Biosynthesis and processing of platelet GPIIb-IIIa in human megakaryocytes. Duperray A, et al. **J Cell Biol** 1987 Jun; 104(6):1665–73

BLOOD

Topographic distribution of a granule membrane protein (GMP-140) that is expressed on the platelet surface after activation: an immunogold-surface replica study. Isenberg WM, et al. **Blood Cells** 1986;12(1):191–204
The carbohydrate moiety of human platelet glycocalicin: the structures of the major Asn-linked sugar chains. Tsuji T, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):241–9
Structures of the carbohydrate chains of membrane glycoproteins IIb and IIIa of human platelets. Tsuji T, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1387–98
A variant of Glanzmann's thrombasthenia with abnormal glycoprotein IIb-IIIa complexes in the platelet membrane. Nurden AT, et al. **J Clin Invest** 1987 Mar;79(3):962–9
Structure-function relationships of platelet glycoprotein Ib as a receptor for von Willebrand factor. Handa M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1577–82
Platelet glycoproteins IIb and IIIa: evidence for a family of immunologically and structurally related glycoproteins in mammalian cells. Charo IF, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8351–5

DRUG EFFECTS

The molecular basis of the antiplatelet action of ajoene: direct interaction with the fibrinogen receptor [published erratum appears in Biochem Biophys Res Commun 1987 May 14;144(3):1348] Apitz-Castro R, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):145–50

Influence of beta-lactam antibiotics on platelets. I. In vivo effects of latamoxef and related beta-lactam antibiotics on membrane proteins and glycoproteins of rat platelets. Arita H, et al. **J Pharmacobiodyn** 1986 Nov;9(11):896–901

Megakaryocytes from the marrow of a patient with Glanzmann's thrombasthenia lacked GP IIb–IIIa complexes. Hourdillé P, et al. **Thromb Haemost** 1986 Aug 20;56(1):66–70

Further characterization of wheat germ agglutinin interaction with human platelets: exposure of fibrinogen receptors. Lebret M, et al. **Thromb Haemost** 1986 Dec 15;56(3):323–7

Competitions between fibrinogen with its degradation products for interactions with the platelet–fibrinogen receptor. Thorsen LI, et al. **Thromb Res** 1986 Dec 1; 44(5):611–23

GENETICS

N-terminal sequence of human leukocyte glycoprotein Mo1: conservation across species and homology to platelet IIb/IIIa. Pierce MW, et al. **Biochim Biophys Acta** 1986 Dec 12;874(3):368–71

Immunochemical and amino-terminal sequence comparison of two cytoadhesins indicates they contain similar or identical beta subunits and distinct alpha subunits. Ginsberg MH, et al. **J Biol Chem** 1987 Apr 25;262(12):5437–40

Structure of the platelet membrane glycoprotein IIb. Homology to the alpha subunits of the vitronectin and fibronectin membrane receptors. Poncz M, et al. **J Biol Chem** 1987 Jun 25;262(18):8476–82

Cloning of the alpha chain of human platelet glycoprotein Ib: a transmembrane protein with homology to leucine-rich alpha 2-glycoprotein. Lopez JA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5615–9

IMMUNOLOGY

Inhibitory effects of TTP sera on binding of anti-platelet glycoprotein IIb–IIIa monoclonal antibodies to human vascular endothelial cells. Nakajima T, et al. **Am J Hematol** 1987 May;25(1):115–8

Pseudo-Bernard-Soulier syndrome: thrombocytopenia caused by autoantibody to platelet glycoprotein Ib. Devine DV, et al. **Blood** 1987 Aug;70(2):428–31

Effect of monoclonal antibodies against von Willebrand factor and platelet glycoproteins IIb/IIIa on the platelet retention test. McPherson J, et al. **Blood** 1987 Aug; 70(2):546–50

A murine antiglycoprotein Ib complex monoclonal antibody, SZ 2, inhibits platelet aggregation induced by both ristocetin and collagen. Ruan CG, et al. **Blood** 1987 Feb; 69(2):570–7

Severe platelet dysfunction in a patient with autoantibodies against membrane glycoproteins IIb–IIIa. Balduini CL, et al. **Haemostasis** 1987;17(1–2):98–104

Arg-Gly-Asp recognition by a cell adhesion receptor requires its 130-kDa alpha subunit. Cheresh DA, et al. **J Biol Chem** 1987 Feb 5;262(4):1434–7

Monoclonal antibodies to the glycoprotein IIb–IIIa epitopes involved in adhesive protein binding: effects on platelet spreading and ultrastructure on human arterial subendothelium. Lawrence JB, et al. **J Lab Clin Med** 1987 Apr;109(4):495–503

[Monoclonal antibody SZ-21 to platelet membrane glycoprotein IIIa] Ruan CG. **Chung Hua I Hsueh Tsa Chih** 1987 Feb;67(2):76–8 (Eng. Abstr.) **(Chi)**

[Clinical uses of monoclonal antibody detection in idiopathic thrombocytopenic purpura] Ji SQ, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):83–5, 125 (Eng. Abstr.) **(Chi)**

[Anti-glycoprotein Ib antibodies in patients with chronic idiopathic thrombocytopenic purpura] Tomiyama Y, et al. **Rinsho Ketsueki** 1987 Mar;28(3):386–91 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Isolation and characterization of the alpha and beta chains of human platelet glycoprotein Ib. Canfield VA, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):526–34

Isolation and biochemical characterization of the alpha- and beta-subunits of glycoprotein IIb of human platelet plasma membrane. Calvete JJ, et al. **Biochem J** 1986 Nov 15; 240(1):155–61

New isolation procedure and further biochemical characterization of glycoproteins IIb and IIIa from human platelet plasma membrane. Eirín MT, et al. **Biochem J** 1986 Nov 15;240(1):147–53

Platelets express a membrane protein complex immunologically related to the fibroblast fibronectin receptor and distinct from GPIIb/IIIa. Giancotti FG, et al. **Blood** 1987 May;69(5):1535–8

Purification and partial amino acid sequence of human platelet membrane glycoproteins IIb and IIIa. Hiraiwa A, et al. **Blood** 1987 Feb;69(2):560–4

Molecular characterization of human platelet glycoproteins IIIa and IIb and the subunits of the latter. Usobiaga P, et al. **Eur Biophys J** 1987;14(4):211–8

The glycoprotein Ib complex of human blood platelets. Wicki AN, et al. **Eur J Biochem** 1987 Feb 16;163(1):43–50

Identification of a surface protein of the rabbit blood platelet with high affinity for collagen. Lahav J. **Exp Cell Res** 1987 Feb;168(2):447–56

Purification and chemical characterization of human platelet membrane glycoprotein IV. Tsuji T, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1077–85

Separation of the 100-kDa membrane protein mediating ADP-induced platelet shape change and activation from glycoprotein IIIa. Colman RW, et al. **Trans Assoc Am Physicians** 1986;99:39–45

METABOLISM

Fibrinogen receptors in platelet adhesion to surfaces of extracorporeal circuit. Gluszko P, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H615–21

Thrombin interactions with platelet membrane proteins. Berndt MC, et al. **Ann NY Acad Sci** 1986;485:374–86

The molecular basis of the antiplatelet action of ajoene: direct interaction with the fibrinogen receptor [published erratum appears in Biochem Biophys Res Commun 1987 May 14;144(3):1348] Apitz-Castro R, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):145–50

Proteolysis of platelet glycoprotein Ib by plasmin is facilitated by plasmin lysine-binding regions. Adelman B, et al. **Blood** 1986 Dec;68(6):1280–4

Increased surface expression of the membrane glycoprotein IIb/IIIa complex induced by platelet activation. Relationship to the binding of fibrinogen and platelet aggregation. Niiya K, et al. **Blood** 1987 Aug;70(2):475–83

Expression of fibrinogen receptors during activation and subsequent desensitization of human platelets by epinephrine. Shattil SJ, et al. **Blood** 1986 Dec;68(6):1224–31

Identification of a 160,000 dalton platelet membrane protein that mediates the initial divalent cation-dependent adhesion of platelets to collagen. Santoro SA. **Cell** 1986 Sep 12; 46(6):913–20

Competition for related but nonidentical binding sites on the glycoprotein IIb–IIIa complex by peptides derived from platelet adhesive proteins. Santoro SA, et al. **Cell** 1987 Mar 13;48(5):867–73

Binding and processing of fibrinogen by rabbit hepatocytes. Barsigian C, et al. **J Biol Chem** 1987 Mar 15;262(8):3674–9

Platelet glycoprotein IIb–IIIa-like proteins mediate endothelial cell attachment to adhesive proteins and the extracellular matrix. Charo IF, et al. **J Biol Chem** 1987 Jul 25;262(21):9935–8

Identification of glycoprotein Ib beta as one of the major proteins phosphorylated during exposure of intact platelets to agents that activate cyclic AMP-dependent protein kinase. Fox JE, et al. **J Biol Chem** 1987 Sep 15; 262(26):12627–31

The glycocalicin portion of platelet glycoprotein Ib expresses both high and moderate affinity receptor sites for thrombin. A soluble radioreceptor assay for the interaction of thrombin with platelets. Harmon JT, et al. **J Biol Chem** 1986 Oct 5;261(28):13224–9

Synthetic peptides derived from fibrinogen and fibronectin change the conformation of purified platelet glycoprotein IIb–IIIa. Parise LV, et al. **J Biol Chem** 1987 Sep 15; 262(26):12597–602

Fibronectin-binding properties of the purified platelet glycoprotein IIb–iIIa complex. Parise LV, et al. **J Biol Chem** 1986 Oct 25;261(30):14011–7

Induction of the fibrinogen receptor on human platelets by intracellular mediators. Shattil SJ, et al. **J Biol Chem** 1987 Jan 25;262(3):992–1000

Resting platelets contain a substantial centrally located pool of glycoprotein IIb–IIIa complex which may be accessible to some but not other extracellular proteins. Woods VL Jr, et al. **J Biol Chem** 1986 Nov 15;261(32):15242–51

The platelet fibrinogen receptor: an immunogold-surface replica study of agonist-induced ligand binding and receptor clustering. Isenberg WM, et al. **J Cell Biol** 1987 Jun;104(6):1655–63

Evidence for two functionally different fibrinogen receptors on hemopoietic cells: the glycoprotein IIb–IIIa and the mitogenic fibrinogen receptor. Levesque JP, et al. **J Cell Physiol** 1987 Aug;132(2):303–10

Divalent cation regulation of the surface orientation of platelet membrane glycoprotein IIb. Correlation with fibrinogen binding function and definition of a novel variant of Glanzmann's thrombasthenia. Ginsberg MH, et al. **J Clin Invest** 1986 Oct;78(4):1103–11

Trifluoperazine inhibition of fibrinogen receptor redistribution in surface activated platelets: correlative video-enhanced differential interference contrast light microscopic, high voltage electron microscopic and scanning electron microscopic studies. Olorundare OE, et al. **Scanning Microsc** 1987 Jun;1(2):735–43

Significant reduction in the binding of a monoclonal antibody (LYP 18) directed against the IIb/IIIa glycoprotein complex to platelets of patients having undergone extracorporeal circulation. Dechavanne M, et al. **Thromb Haemost** 1987 Feb 3;57(1):106–9

The N-DSK gamma-chain binds to immunoprecipitated GP IIb–IIIa. Thorsen LI, et al. **Thromb Res** 1987 Aug 1; 47(3):315–21

[Platelet membrane glycoproteins: their correlation with the degree of metabolic compensation in the diabetic patient] Roche Asensio MJ, et al. **Med Clin (Barc)** 1986 Oct 11; 87(11):453–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Platelet membrane glycoproteins and their role in platelet adhesion and aggregation. Nurden AT. **Agents Actions [Suppl]** 1986;20:29–44 (59 ref.)

The role of platelet membrane glycoproteins in the adhesion of blood platelets. Sixma JJ. **Agents Actions [Suppl]** 1986; 20:15–26 (33 ref.)

Glycoprotein IIb–IIIa and platelet adhesion [letter] Harrington R. **Blood** 1987 May;69(5):1546–7

Studies investigating platelet aggregation and release initiated by sera from patients with thrombotic thrombocytopenic purpura. Kelton JG, et al. **Blood** 1987 Mar;69(3):924–8

Shear-induced platelet aggregation requires von Willebrand factor and platelet membrane glycoproteins Ib and IIb–IIIa. Peterson DM, et al. **Blood** 1987 Feb;69(2):625–8

A role for glycoprotein IIb–IIIa complex in the binding of IgE to human platelets and platelet IgE-dependent cytotoxic functions. Ameisen JC, et al. **Br J Haematol** 1986 Sep;64(1):21–32

Activation of human platelets through gp140, the C3d/EBV receptor (CR2). Nunez D, et al. **Eur J Immunol** 1987 Apr; 17(4):515–20

Surface mechanisms of platelet adhesion and aggregation. Balduini CL, et al. **Haematologica (Pavia)** 1987 May-Jun; 72(3):261–8 (80 ref.)

Tumor-cell-induced platelet aggregation is a glycoprotein-dependent and lipoxygenase-associated process. Bastida E, et al. **Int J Cancer** 1987 Jun 15; 39(6):760–3

Identification of a new class of inducible receptors on platelets. Thrombospondin interacts with platelets via a GPIIb–IIIa-independent mechanism. Aiken ML, et al. **J Clin Invest** 1986 Dec;78(6):1713–6

Type IIB von Willebrand factor with normal sialic acid content induces platelet aggregation in the absence of ristocetin. Role of platelet activation, fibrinogen, and two distinct membrane receptors. De Marco L, et al. **J Clin Invest** 1987 Aug;80(2):475–82

Evidence that a 210,000-molecular-weight glycoprotein (GP 210) serves as a platelet Fc receptor. Stricker RB, et al. **J Clin Invest** 1987 Jun;79(6):1589–94

The role of glycoprotein IIb–IIIa complex in ristocetin-stimulated platelets as revealed by a monoclonal antibody. Hato T. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):129–37

Activation of phospholipases A and C in human platelets exposed to epinephrine: role of glycoproteins IIb/IIIa and dual role of epinephrine. Banga HS, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9197–201

Evidence for the involvement of platelet glycoproteins other than GP Ib in heparin-associated thrombocytopenia and thrombosis. Makhoul RG, et al. **Thromb Res** 1987 Feb 15; 45(4):421–5

[Blood platelet membrane glycoproteins] Ruan CG. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):262–5 (17 ref.) **(Chi)**

[Platelet glycoprotein complex IIb-IIIa: a polyvalent membrane receptor?] Pidard D. **Nouv Rev Fr Hematol** 1987; 29(1):61–3 (Eng. Abstr.) **(Fre)**

PLATELET NUMBER see **PLATELET COUNT**

PLATELET STORAGE POOL DEFICIENCY see under **BLOOD PLATELET DISORDERS**

PLATELETPHERESIS see under **BLOOD COMPONENT REMOVAL**

PLATELETS see **BLOOD PLATELETS**

PLATINUM

Methylation of chloroplatinate by methylcobalamin. Taylor RT, et al. **Bioinorg Chem** 1976;6(4):281–93

Studies on the interaction between antitrypanosome cis-DDP analogs with DNA. López MC, et al. **Chem Biol Interact** 1986 Jul-Aug;59(1):99–111

Electrochemical characteristics of platinum electrodes coated with cytochrome b5-phospholipid monolayers. Zaba BN, et al. **FEBS Lett** 1987 Mar 9;213(1):49–54

"Are the differences between 'high performance' pacing leads clinically significant? A comparison of sintered platinum and activated carbon". Bourke JP, et al. **Int J Artif Organs** 1987 Jan;10(1):61–5

Serum complement deposition on platinum and titanium oxide surfaces measured by ellipsometry at liquid-solid interface. Elwing H, et al. **J Biomed Mater Res** 1987 Feb; 21(2):263–7

Antitumor and radiosensitizing activity of several platinum-(+) dye complexes. Teicher BA, et al. **Radiat Res** 1987 Jan;109(1):58–67

ADMINISTRATION & DOSAGE

A randomized study comparing platinum, doxorubicin, and VP-16 with platinum, 4'-epidoxorubicin, and VP-16 in patients with non-small-cell lung cancer. Rosell R, et al. **Am J Clin Oncol** 1987 Jun;10(3):245–8

ADVERSE EFFECTS

Ozone enhancement of platinum asthma in a primate model. Biagini RE, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):719–25

ANALYSIS

Flameless atomic absorption spectrophotometric determination of platinum in tissues solubilized in hyamine hydroxide. Siddik ZH, et al. **Anal Biochem** 1987 May 15; 163(1):21–6

The effect of sodium thiosulfate on subcellular localization of platinum in rat kidney after treatment with cisplatin. Uozumi J, et al. **Cancer Lett** 1986 Sep;32(3):279–83

BLOOD

Comparative pharmacokinetics of four platinum cytostatics in rats. Lázničková A, et al. **Neoplasma** 1987;34(2):173–81

CEREBROSPINAL FLUID

Peak cerebrospinal fluid platinum levels in a patient with ependymoma: evaluation of two different methods of cisplatin administration. DeGregorio M, et al. **Cancer Treat Rep** 1986 Dec;70(12):1437–8

METABOLISM

Intracellular distribution of a platinum–rhodamine 123 complex in cis-platinum sensitive and resistant human squamous carcinoma cell lines. Teicher BA, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3365–9

Uptake of platinum compounds in human tumors. In vitro study. Hecquet B, et al. **Bull Cancer (Paris)** 1986; 73(5):535–41

Protein binding of five platinum compounds. Comparison of two ultrafiltration systems. van der Vijgh WJ, et al. **Cancer Chemother Pharmacol** 1986;18(2):129–32

Cisplatin administered as a continuous 5-day infusion: plasma platinum levels and urine platinum excretion. Belliveau JF, et al. **Cancer Treat Rep** 1986 Oct;70(10):1215–7

PHARMACODYNAMICS

Synthesis and antitumor activity of a platinum (II)–doxorubicin complex. Zunino F, et al. **Cancer Chemother Pharmacol** 1986;18(2):180–2

Antitumor activity of Pt(II) complexes containing diaminocarboxylates and their ester derivatives. Noji M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2487–93

Inactivation of dihydropteridine reductase (human brain) by platinum(II) complexes. Armarego WL, et al. **Eur J Biochem** 1987 Apr 15;164(2):403–9

[Effect of platinum and zirconium on IgM immune response in vitro] Ito T, et al. **Nippon Eiseigaku Zasshi** 1987 Feb; 41(6):951–6 (Eng. Abstr.) **(Jpn)**

TOXICITY

Toxicity, mutagenicity, intracellular drug concentration and DNA binding in Escherichia coli treated with cis-platinum(II) complexes. Razaka H, et al. **Chem Biol Interact** 1987 Mar;61(3):265–75

PLATINUM DIAMMINODICHLORIDE see **CISPLATIN**

PLATYBASIA

see related
ARNOLD–CHIARI DEFORMITY

DIAGNOSIS

[Craniocervical junction—diseases, diagnostic application of imaging procedures, surgical technics] Schmelzle R, et al. **Fortschr Kiefer Gesichtschir** 1987;32:206–8 **(Ger)**

EMBRYOLOGY

[Cranio-cervical growth collision—pathomechanisms of the Arnold–Chiari malformation and basilar impression] Roth M. **Cesk Neurol Neurochir** 1987 Jan;50(1):6–16 **(Cze)**

PLATYFISH see **CYPRINODONTIFORMES**

PLATYHELMINTHS

ANALYSIS

Occurrence of tetrodotoxin in the flatworm Planocera multitentaculata. Miyazawa K, et al. **Toxicon** 1986; 24(7):645–50

GROWTH & DEVELOPMENT

Early morphogenesis in the platyhelminthes with special reference to egg development and development of cestode larvae. Burt MD. **Int J Parasitol** 1987 Feb;17(1):241–53 (126 ref.)

Age-dependent changes in fluorescent neurons in the brain of Notoplana acticola, a polyclad flatworm. Hauser M, et al. **J Exp Zool** 1987 Feb;241(2):217–25

PHYSIOLOGY

Phylogenetic inference from platyhelminth life-cycle stages. Llewellyn J. **Int J Parasitol** 1987 Feb;17(1):281–9 (37 ref.)

A calcium-activated sodium conductance produces a long-duration action potential in the egg of a nemertean worm. Jaffe LA, et al. **J Physiol (Lond)** 1986 Dec; 381:263–78

ULTRASTRUCTURE

Ultrastructure of the protonephridial system of larval Austramphilina elongata (Platyhelminthes, Amphilinidea). Rohde K, et al. **J Submicrosc Cytol** 1987 Jan;19(1):113–8

PLATYPUS see under **MONOTREMATA**

PLATYRRHINA see **CEBIDAE**

PLAY AND PLAYTHINGS

Gender segregation in childhood. Maccoby EE, et al. **Adv Child Dev Behav** 1987;20:239–87

Looking patterns of mentally retarded and nonretarded infants in play and instructional interactions. McCollum JA. **Am J Ment Defic** 1987 Mar;91(5):516–23

Developmental play ages of physically abused and nonabused children [published erratum appears in Am J Occup Ther 1987 Jan;41(1):27] Howard AC. **Am J Occup Ther** 1986 Oct;40(10):691–5

The use of Trivial Pursuit in teaching community living skills to adults with developmental disabilities. Nochajski SB, et al. **Am J Occup Ther** 1987 Jan;41(1):10–5

The self-psychological significance of trivia. Wengle JL. **Am J Psychoanal** 1986 Winter;46(4):345–9

Time management. Part IV: Decontaminating work and play time. McGee-Cooper A. **AORN J** 1986 Nov;44(5):809, 812–3

Eye injury during "war games" despite the use of goggles. Case report. Martin PL, et al. **Arch Ophthalmol** 1987 Mar; 105(3):321–2

Dorsomedial diencephalic involvement in the juvenile play of rats. Siviy SM, et al. **Behav Neurosci** 1985 Dec; 99(6):1103–13

Symbolic play and separation–individuation. A naturalistic study. Slade A. **Bull Menninger Clin** 1986 Nov;50(6):541–63

The use of games in occupational therapy of hand burns. van Straten O. **Burns Incl Therm Inj** 1986 Oct;12(7):521–5

An assessment of the behavior of sexually abused and nonsexually abused children with anatomically correct dolls. Jampole L, et al. **Child Abuse Negl** 1987;11(2):187–92

Interviewing young sexual abuse victims with anatomically correct dolls. White S, et al. **Child Abuse Negl** 1986; 10(4):519–29

The toy library service at Honeylands Family Support Unit: an assessment. Rub S. **Child Care Health Dev** 1987 Jan–Feb; 13(1):33–9

Spinning fantasy: themes, structure, and the knowledge base. Lucariello J. **Child Dev** 1987 Apr;58(2):434–42

A longitudinal study of maternal involvement and symbolic play during the toddler period. Slade A. **Child Dev** 1987 Apr;58(2):367–75

Play interactions and interviews of depressed and conduct disorder children and their mothers. Field TM, et al. **Child Psychiatry Hum Dev** 1987 Summer;17(4):213–34

Sensory modulation of juvenile play in rats. Siviy SM, et al. **Dev Psychobiol** 1987 Jan;20(1):39–55

Epileptic seizures evoked by card games, draughts, and similar games. Senanayake N. **Epilepsia** 1987 Jul–Aug; 28(4):356–61

Play vocalizations of squirrel monkeys (Saimiri sciureus). Biben M, et al. **Folia Primatol (Basel)** 1986;46(3):173–82

The impact of videogame play on the emotional states of senior center participants. Riddick CC, et al. **Gerontologist** 1987 Aug;27(4):425–7

The nosocomial colonization of T. Bear. Hughes WT, et al. **Infect Control** 1986 Oct;7(10):495–500

Promoting imitative play through generalized observational learning in autisticlike children. Tryon AS, et al. **J Abnorm Child Psychol** 1986 Dec;14(4):537–49

Method to study anhedonia in hospitalized psychiatric patients. Miller RE. **J Abnorm Psychol** 1987 Feb;96(1):41–5

Independent and social play among profoundly mentally retarded adults: training, maintenance, generalization, and long-term follow-up. Singh NN, et al. **J Appl Behav Anal** 1987 Spring;20(1):23–34

The responsiveness of autistic children to the predictability of social and nonsocial toys. Ferrara C, et al. **J Autism Dev Disord** 1980 Mar;10(1):51–7

Play diversity and structural relationships in the play and language of language-impaired and language-normal preschoolers: preliminary data. Lombardino LJ, et al. **J Commun Disord** 1986 Dec;19(6):475–89

Improving attitudes toward the disabled: a randomized controlled trial of direct contact versus Kids-on-the-Block. Rosenbaum PL, et al. **J Dev Behav Pediatr** 1986 Oct;7(5):302–7

The effects of videogame playing on the response selection processing of elderly adults. Clark JE, et al. **J Gerontol** 1987 Jan;42(1):82–5

Adolescents and microcomputers: sex differences, proxemics, task and stimulus variables. Braun CM, et al. **J Psychol** 1986 Nov;120(6):529–42

Nutrition review: a participation game. Proby ME, et al. **J Sch Health** 1987 Jan;57(1):33–4

Symbolic play and social participation abilities of language-impaired and normally developing children. Roth FP, et al. **J Speech Hear Disord** 1987 Feb;52(1):17–29

Interactive play: the frequency of related verbal responses. Craig HK, et al. **J Speech Hear Res** 1986 Sep;29(3):375–83

Joystick digit [letter] Osterman AL, et al. **JAMA** 1987 Feb 13;257(6):782

Asbestos in play sand [letter] Langer AM, et al. **N Engl J Med** 1987 Apr 2;316(14):882

HLV transmission [letter] Falkner ME. **NZ Med J** 1986 Oct 22;99(812):820

Lawn dart injury in children: report of two cases. Hanigan WC, et al. **Pediatr Emerg Care** 1986 Dec;2(4):247–9

American Academy of Pediatrics Committee on Accident and Poison Prevention: Injuries related to "toy" firearms. **Pediatrics** 1987 Mar;79(3):473–4

Lawn darts peril underlined [letter] Amoury RA. **Pediatrics** 1987 Aug;80(2):307

Serious head injuries from lawn darts. Tay JS, et al. **Pediatrics** 1987 Feb;79(2):261–3

Early separation of young rats from the mother and the development of play fighting. Janus K. **Physiol Behav** 1987; 39(4):471–6

Infection associated with joystick mimicking a spider bite [letter] Soe GB, et al. **West J Med** 1987 Jun;146(6):748

[Injuries in a summer amusement park treated at the first-aid station and the casualty department] Larsen K, et al. **Ugeskr Laeger** 1987 Mar 23;149(13):877–9 (Eng. Abstr.) **(Dan)**

[Convulsive attacks induced by video games (letter)] Giroud M, et al. **Arch Fr Pediatr** 1987 May;44(5):397 **(Fre)**

[The disturbed child with her doll—on pregnancy in early adolescence] Berger M. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):107–17 (Eng. Abstr.) **(Ger)**

[Hygienic evaluation of the changes in work capacity of young chess players during training] Gleizerov VI, et al. **Gig Sanit** 1987 Jun;(6):24–6 (Eng. Abstr.) **(Rus)**

[Firecrackers—a risk of hearing injuries?] Axelsson A, et al. **Lakartidningen** 1987 Apr 15;84(16):1341–6 **(Swe)**

PLAY THERAPY

Some transference and countertransference issues in the playroom. Berlin IN. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):101–7

Development of severely malnourished children who received psychosocial stimulation: six-year follow-up. Grantham-McGregor S, et al. **Pediatrics** 1987 Feb; 79(2):247–54

METHODS

[Open play groups in adolescent psychiatry] Hoffmeyer O, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Oct; 35(7):261–5 (Eng. Abstr.) **(Ger)**

PLETHYSMOGRAPHY

Digital pulse plethysmography (DPG) in studies of the hemodynamic response to nitrates—a survey of recording methods and principles of analysis. Lund F. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 6:79–96 (55 ref.)

The digital plethysmogram as an index of ageing grade. Shimokata H, et al. **Age Ageing** 1986 Nov;15(6):369–73

The value of a combined study of carotid duplex ultrasound and oculopneumoplethysmography (OPG–Gee) in the diagnosis of carotid artery stenosis. AbuRahma AF, et al. **Am Surg** 1987 Feb;53(2):80–3

Venous muscle pump function in patients with primary lymphoedema: assessment by ambulatory strain gauge plethysmography. Struckmann J, et al. **Br J Surg** 1986 Nov; 73(11):886–7

Comparison of Doppler and strain-gauge plethysmography to detect vasculogenic impotence. Doyle DL, et al. **Can J Surg** 1986 Sep;29(5):338–9

Plethysmography and the diagnosis of the steal syndrome following placement of arteriovenous fistulas and shunts for hemodialysis access. Dally P, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):200–3

Ophthalmomanometry–Doppler and ocular pneumoplethysmography [letter] Gee W. **Lancet** 1986 Nov 15;2(8516):1159

The effect of compression with abdominal support band on haemodynamics of lower legs. A plethysmographic study. Hästbacka J, et al. **Vasa** 1986;15(3):220–3

[Re-permeation of deep venous thrombosis of the lower extremities: comparison between plethysmographic indices and phlebography scores. Preliminary results] Bachet P, et al. **J Mal Vasc** 1987;12(2):168–74 (Eng. Abstr.) **(Fre)**

[Prospective study of the outcome of rheoplethysmographic parameters after deep venous thrombosis of the lower extremities. Role in the decision to discontinue anticoagulants] Ferrini M, et al. **J Mal Vasc** 1987; 12(2):158–61 (Eng. Abstr.) **(Fre)**

[The flow-volume curve. Expression of emptying as a function of venous distensibility] Pointel JP, et al. **J Mal Vasc** 1987;12(2):162–7 (Eng. Abstr.) **(Fre)**

[Varicocele and varicose veins: clinical, venous occlusion plethysmography and Doppler sonography studies] Gall H, et al. **Vasa** 1986;15(4):407–11 (Eng. Abstr.) **(Ger)**

[Strain gauge plethysmographic study of venous hemodynamics of lower limbs] Matsubara J. **Vasa** 1986; 15(3):228–32 (Eng. Abstr.) **(Ger)**

[Methodological aspects of the determination of the capillary filtrate in the extremities. Simultaneous measurement of leg and regional blood volume by plethysmography and Tc-99m-labeled erythrocytes] Mostbeck A. **Vasa** 1986; 15(3):233–40 (Eng. Abstr.) **(Ger)**

[Importance of venous occlusion plethysmography in arteriosclerosis obliterans of the arteries of the lower extremities] Beliaeva GS. **Klin Med (Mosk)** 1986 Aug; 64(8):44–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Anterior ischemic optic neuropathy following ocular pneumoplethysmography [letter] Arnold AC. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):58–9

INSTRUMENTATION

Development of a granular strain gauge plethysmograph intended for use as a respiratory belt. Kerschhaggl P, et al. **Biomed Tech (Berlin)** 1986 Sep;31(9):200–2

Influence of tissue compressibility on calibration for strain-gauge plethysmography. Brengelmann GL, et al. **J Appl Physiol** 1986 Sep;61(3):1210–6

A plethysmograph for the measurement of digital blood flow. McGrann S, et al. **J Med Eng Technol** 1986 Nov–Dec; 10(6):329–31

[A vaginal photoplethysmographic system] Topiař A. **Cas Lek Cesk** 1987 Mar 20;126(12):378–9 (Eng. Abstr.) **(Cze)**

METHODS

Inductive plethysmography—a facilitated postural calibration technique for rapid and accurate tidal volume determination in low birth weight premature newborns. Stefano JL, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1020–4

Evaluation of respiratory inductive plethysmography in infants weighing less than 1,500 grams. Wilkes DL, et al. **Am Rev Respir Dis** 1987 Aug;136(2):416–9

Noninvasive venous examinations as a screening test for pulmonary embolism. Schiff MJ, et al. **Arch Intern Med** 1987 Mar;147(3):505–7

Venous plethysmography values in patients with spinal cord injury. Frieden RA, et al. **Arch Phys Med Rehabil** 1987 Jul;68(7):427–9

The use of infrared photoplethysmography in identifying early intestinal ischemia. Pearce WH, et al. **Arch Surg** 1987 Mar;122(3):308–10

Reflectance photoplethysmography as an adjunct to assessment of gravitational acceleration tolerance: preliminary findings. Jaron D, et al. **Aviat Space Environ Med** 1987 Jun;58(6):604–12

The quantitative aspect of photoplethysmography revised. Jespersen LT, et al. **Heart Vessels** 1986;2(3):186–90

The development of an automated vascular laboratory. Smith PD, et al. **Int Angiol** 1986 Oct–Dec;5(4):253–61

Accuracy of the respiratory inductive plethysmograph during loaded breathing. Tobin MJ, et al. **J Appl Physiol** 1987 Feb;62(2):497–505

Comparison of respiratory inductive plethysmography and thoracic impedance for apnea monitoring. Brouillette RT, et al. **J Pediatr** 1987 Sep;111(3):377–83

Air–plethysmography and the effect of elastic compression on venous hemodynamics of the leg. Christopoulos DG, et al. **J Vasc Surg** 1987 Jan;5(1):148–59

Reappraisal of ocular pneumoplethysmography after carotid endarterectomy. Gee W, et al. **J Vasc Surg** 1986 Nov; 4(5):517–21

Interpretation of venous occlusion plethysmography using a nonlinear model. Anderson FA Jr, et al. **Med Biol Eng Comput** 1986 Jul;24(4):379–85

Comparison of volume changes in the forearm assessed by impedance and water-displacement plethysmography. Fleming JS, et al. **Med Biol Eng Comput** 1986 Jul; 24(4):375–8

Noninvasive measurement of arterial blood pressure and elastic properties using photoelectric plethysmography technique. Yamakoshi K, et al. **Med Prog Technol** 1987; 12(1–2):123–43

Extremity blood flow in man: comparison between strain-gauge and capacitance plethysmography. Dresler CM, et al. **Surgery** 1987 Jan;101(1):35–9

Foot blood flow measurements improve venous plethysmographic studies. Peirce EC 2d, et al. **Surgery** 1987 Apr;101(4):422–9

Assessment of venous muscle pump function by ambulatory calf volume strain gauge plethysmography after surgical treatment of varicose veins: a prospective study of 21 patients. Struckmann JR. **Surgery** 1987 Mar;101(3):347–53

[Diagnosis of deep venous thrombosis (letter)] **Ned Tijdschr Geneeskd** 1987 Jun 13;131(24):1053–6 **(Dut)**

[Indirect measurement of residual internal carotid pressure by photoplethysmography during the carotid occlusion test] Barthélémy P, et al. **J Mal Vasc** 1987;12(3):265–8 (Eng. Abstr.) **(Fre)**

[Variations in venous physiology in the healthy subject. Postural and venous occlusion plethysmography studies] Boccalon H, et al. **J Mal Vasc** 1987;12(2):150–7 (Eng. Abstr.) **(Fre)**

[Measurement of periodontal hemodynamics by photoplethysmography] Klein G. **Zahn Mund Kieferheilkd** 1986;74(8):812–7 (Eng. Abstr.) **(Ger)**

[Strain-gauge plethysmography with venous occlusion: update] Gava R, et al. **G Clin Med** 1987 Mar;68(3):173–8 **(Ita)**

[Use of rheoencephaloplethysmography in the quantitative assessment of blood flow, modules of arterial and venous volumetric elasticity and other hemodynamic parameters of the vessels of the head] Zhmurkin VP, et al. **Kardiologiia** 1987 Apr;27(4):64–8 (Eng. Abstr.) **(Rus)**

TRENDS

Plethysmography: history and recent advances. Winsor T, et al. **Angiology** 1987 Mar;38(3):209–20

VETERINARY

A restraining system for plethysmography in small animals. Wiester MJ, et al. **Lab Anim Sci** 1987 Apr;37(2):235–8

PLETHYSMOGRAPHY, IMPEDANCE

Impedance cardiography. Current status and clinical applications. Gastfriend RJ, et al. **Am Surg** 1986 Dec; 52(12):636–40

Shortcomings of physical examination and impedance plethysmography in the diagnosis of lower extremity deep venous thrombosis. Vaccaro P, et al. **Angiology** 1987 Mar; 38(3):232–5

The clinical implications of bilaterally abnormal impedance plethysmography. Curley FJ, et al. **Arch Intern Med** 1987 Jan;147(1):125–9

Effects of furosemide and slow-release furosemide on thoracic fluid volumes. Brodin LA, et al. **Clin Cardiol** 1986 Nov;9(11):561–4

Comparison of transthoracic electrical impedance and thermodilution methods for measuring cardiac output. Donovan KD, et al. **Crit Care Med** 1986 Dec; 14(12):1038–44

Pneumopericardium: a novel limitation for thoracic electrical bioimpedance? [letter] Lage SG, et al. **Crit Care Med** 1987 Sep;15(9):891–2

Cardiac volume and its relationship with field plethysmogram. Bhattacharya B, et al. **J Biomed Eng** 1987 Jul;9(3):280–2

Measurement of cardiac output by electrical impedance plethysmography. Porter JM, et al. **J Biomed Eng** 1987 Jul;9(3):222–31

Comparison of respiratory inductive plethysmography and thoracic impedance for apnea monitoring. Brouillette RT, et al. **J Pediatr** 1987 Sep;111(3):377–83

Impedance cardiography in heart failure [letter] Hubbard WN, et al. **Lancet** 1986 Oct 11;2(8511):865

A new interpretive method for impedance plethysmography. Lynch WR. **Med Instrum** 1986 Sep–Oct;20(5):237–43

Measurement of the effect of cardiovascular drugs by impedance cardiography in healthy subjects. Lücker PW, et al. **Methods Find Exp Clin Pharmacol** 1986 Jul;8(7):443–8

Assessment of peripheral hemodynamics using impedance plethysmography. Golden JC, et al. **Phys Ther** 1986 Oct; 66(10):1544–7

Impedance spectroscopy: a method for surveillance of ischemia tolerance of the heart. Gebhard MM, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):26–32

[Effectiveness and safety of repeat impedance plethysmography alone in the diagnosis of deep venous thrombosis] Huisman MV, et al. **Ned Tijdschr Geneeskd** 1987 Apr 4;131(14):580–4 (Eng. Abstr.) **(Dut)**

[Rheography in pregnancy—a noninvasive method of early detection of placental insufficiency] Feiks A, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):700–5 (Eng. Abstr.) **(Ger)**

[Determination of central hemodynamics in dynamic stress using impedance cardiography in comparison to radiocardiography] Eisenberg BM, et al. **Z Gesamte Inn Med** 1987 May 15;42(10):274–6 (Eng. Abstr.) **(Ger)**

[Psychophysiologic indications of mental stress using acral impedance plethysmography] Dettmar P, et al. **Z Psychol** 1986;194(3):355–64 (Eng. Abstr.) **(Ger)**

[An evaluation of shunt flow by the 133Xe clearance method and admittance plethysmography] Kawakami K, et al. **Kaku Igaku** 1987 Apr;24(4):383–7 (Eng. Abstr.) **(Jpn)**

[The prospects for quantitative electroplethysmography] Krivitskii NM, et al. **Fiziol Cheloveka** 1986 Jul–Aug; 12(4):590–4 **(Rus)**

[Features of the cerebral circulation of 11–12-year-old schoolchildren according to rheoencephalographic data] Zenchenko GI, et al. **Fiziol Cheloveka** 1987 May–Jun; 13(3):442–5 **(Rus)**

[Current problems of electrocardiotopography] Amirov RZ. **Kardiologiia** 1986 Jun;26(6):14–7 (16 ref.) **(Rus)**

[Trial of using integral topography with myocardial infarct patients at different treatment stages] Ibragimova LA. **Kardiologiia** 1986 Jun;26(6):90–1 **(Rus)**

[Atrial electrocardiotopogram in acute myocardial infarct complicated by heart failure] Mirrakhimov MM, et al. **Kardiologiia** 1986 Jun;26(6):83–6 (Eng. Abstr.) **(Rus)**

[Significance of the dynamic indices of the electrocardiotopogram in assessing the course of acute myocardial infarct] Nikolenko Ela. **Kardiologiia** 1986 Jun; 26(6):86–9 (Eng. Abstr.) **(Rus)**

[Comparison of the data from electrocardiotopography and morphological research on the heart in myocardial infarct] Shaposhnik II, et al. **Kardiologiia** 1986 Jun;26(6):54–7 (Eng. Abstr.) **(Rus)**

[Non-invasive method of studying hemodynamics in cerebrovascular insufficiency] Vinichuk SM, et al. **Klin Med (Mosk)** 1986 Sep;64(9):54–6 (Eng. Abstr.) **(Rus)**

[Potentials of rheovasography in assessing circulatory disorders in the postoperative period in children] Timoshchenko OA, et al. **Vestn Khir** 1987 Apr;138(4):76–9 (Eng. Abstr.) **(Rus)**

[Systematization of the indices of pulmonary rheography] Anshukov VK, et al. **Vrach Delo** 1987 Feb;(2):23–5 (Eng. Abstr.) **(Rus)**

[Early signs of disorders of autonomic–vascular regulation according to rheoencephalographic findings] Iaroshenko VI, et al. **Vrach Delo** 1987 May;(5):70–2 (Eng. Abstr.) **(Rus)**

[Use of polyrheography and infrared thermography in the diagnosis of autonomic vascular dystonia] Popovichenko NV, et al. **Vrach Delo** 1986 Dec;(12):86–8 (Eng. Abstr.) **(Rus)**

[REG indices in the initial manifestations of cerebral circulatory insufficiency and age] Rudenko AE, et al. **Vrach Delo** 1987 Jun;(6):69–72 (Eng. Abstr.) **(Rus)**

[Rheography of the open spinal cord in primary tumors] Okladnikov GI. **Zh Vopr Neirokhir** 1987 May–Jun;(3):34–9 (Eng. Abstr.) **(Rus)**

[The rheo–encephalogram during intense reduction of pulse blood–filling of extra– and intracranial tissues] Semeniutin VB, et al. **Zh Vopr Neirokhir** 1987 Jan–Feb;(1):38–41 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Cost–benefit analysis of the diagnosis of patients with deep venous thrombosis (published erratum appears in Ned Tijdschr Geneeskd 1987 May 23;131(21):928)] Huisman MV, et al. **Ned Tijdschr Geneeskd** 1987 Apr 4;131(14):584–8 (Eng. Abstr.) **(Dut)**

INSTRUMENTATION

Respiratory monitoring with a new impedance plethysmograph. Hoffman S, et al. **Anaesthesia** 1986 Nov; 41(11):1139–42

Motion artifact from spot and band electrodes during impedance cardiography. Qu MH, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):1029–36

Cardiac output monitoring by impedance cardiography during treadmill exercise. Zhang YJ, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):1037–42

[Development of IPG–III impedance phlebography] Zhu MJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug;8(4):276–81 (Eng. Abstr.) **(Chi)**

[Determination of cardiac output under PEEP–respiration with the "NCCOM 3" non–invasive bioimpedence monitor in comparison with the thermodilution method. A study in anesthetized dogs] Weber J, et al. **Anaesthesist** 1986 Dec; 35(12):744–7 (Eng. Abstr.) **(Ger)**

[Value of photoplethysmography (light reflection rheography) in phlebology] Weindorf N, et al. **Vasa** 1986; 15(4):397–406 (Eng. Abstr.) **(Ger)**

[Results of the quantitative evaluation of the rheoencephalogram] Grossmann K, et al. **Z Arztl Fortbild (Jena)** 1986;80(11):447–50 **(Ger)**

[Electrode device for rheoperiodontography] Grechko VE, et al. **Med Tekh** 1986 Sep–Oct;(5):23–6 (Eng. Abstr.) **(Rus)**

[Choice of form and parameters of the probing current in a rheographic device with temporal channel separation] Pekker IaS, et al. **Med Tekh** 1987 Mar–Apr;(2):31–6 (Eng. Abstr.) **(Rus)**

METHODS

An infra–red fibre optic device for cardiac cycle timing and photoplethysmography. Shah Y, et al. **Clin Phys Physiol Meas** 1986 Aug;7(3):265–9

Digital enhancement of the peripheral admittance plethysmogram. Marks LA. **IEEE Trans Biomed Eng** 1987 Mar;34(3):192–8

Impedance plethysmography. A screening procedure to detect deep–vein thrombosis. Brown JG, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):264–7

[Determination of total cranial blood flow with the electrical bioimpedance method] Yu X, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Sep;25(9):518–20, 574 (Eng. Abstr.) **(Chi)**

[Development of cerebral blood flow measurement using skull impedance plethysmography] Takeuchi T, et al. **No Shinkei Geka** 1986 Nov;14(12):1439–45 (Eng. Abstr.) **(Jpn)**

[Advantages of the method of integral topography over regular electrocardiography in the diagnosis of myocardial hypertrophy] Kniazeva TA, et al. **Kardiologiia** 1986 Jun; 26(6):91–2 **(Rus)**

[Tetrapolar chest rheography in assessing the hemodynamic support of physical loading in healthy 7– to 15–year–old children] Meshcheriakov VV. **Pediatriia** 1986 Oct;(10):28–9 **(Rus)**

[Possibilities and prospects for the development of rheographic methods for studying the circulatory system] Pushkar' IuT, et al. **Ter Arkh** 1986;58(11):132–5 **(Rus)**

STANDARDS

A proposal for the standardization of body surface potential mapping (BSPM) systems. Committee for BSPM

Standardization. **Jpn Heart J** 1987 Jan;28(1):135–42

PLETHYSMOGRAPHY, WHOLE BODY

A new adaptable computerized system for the measurement of specific airways conductance. Roberts JA, et al. **Br J Dis Chest** 1986 Jul;80(3):218–28

Body plethysmographic diagnosis of bronchial obstruction. Kirin I, et al. **Folia Med (Plovdiv)** 1986;28(1):33–6

[Body plethysmography] Stănescu DC, et al. **Rev Mal Respir** 1986;3(6):333–40 **(Fre)**

[Sensitivity and specificity of the occlusion pressure method in measuring airway resistance compared to whole body plethysmography, studies within the scope of inhalative provocation tests] Wönne R, et al. **Monatsschr Kinderheilkd** 1987 Feb;135(2):103–6 (Eng. Abstr.) **(Ger)**

[Respiratory volume flow controlled total occlusion method, a new principle for measuring bronchial resistance] Bachert C, et al. **Prax Klin Pneumol** 1987 Apr;41(4):129–31 (Eng. Abstr.) **(Ger)**

[Use of several norms for thoracic gas volume in healthy persons] Mitić-Milikić M, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):273–5 (Eng. Abstr.) **(Ser)**

METHODS

Is simpler better? New approaches for computing airway resistance. Stanescu DC, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):323–8 **(Eng, Fre)**

Effective airway resistance: a reliable variable from body plethysmography. Holland WP, et al. **Clin Phys Physiol Meas** 1986 Nov;7(4):319–31

The plethysmometric measurement of total body volume. Gundlach BL, et al. **Hum Biol** 1986 Oct;58(5):783–99

[Measurement of effective pulmonary capillary blood flow with body-plethysmography using nitrous oxide] Ma KF, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):338–40, 381 (Eng. Abstr.) **(Chi)**

PLEURA

A method for retrieval of retained subcutaneous catheter fragments. Sibbitt RR, et al. **AJR** 1986 Nov;147(5):1017–8

Pleural placement of the Swan–Ganz catheter. Dadkhah S, et al. **IMJ** 1987 Feb;171(2):83–4

Pseudoelasticity of excised visceral pleura. Humphrey JD, et al. **J Biomech Eng** 1987 May;109(2):115–20

ABNORMALITIES

A case of single pleural cavity with esophageal atresia and tracheoesophageal fistula. Marshall DG, et al. **J Pediatr Surg** 1986 Nov;21(11):939–40

ANATOMY & HISTOLOGY

Calculation of pneumothorax size [letter] MacKenzie G. **Ann Emerg Med** 1986 Nov;15(11):1377

BLOOD SUPPLY

Pulmonary microcirculation: differences in endothelia of subpleural and alveolar capillaries. DeFouw DO, et al. **Microvasc Res** 1986 Nov;32(3):348–58

Concentration dependence of protein permeability across the canine visceral pleura. Kinasewitz GT, et al. **Microvasc Res** 1987 Jan;33(1):35–49

CYTOLOGY

Adrenergic activity on rat pleural and peritoneal mast cells. Loss of beta-receptors during the purification procedure. Botana LM, et al. **Gen Pharmacol** 1987;18(2):141–8

Effect of calcium on histamine release from pleural and peritoneal mast cells induced by catechol. Botana LM, et al. **Rev Esp Fisiol** 1986 Dec;42(4):455–8

[Response of pleural and peritoneal mastocyte populations in the rat to agents with different mechanisms of action] Botana LM, et al. **Rev Esp Fisiol** 1986 Dec;42(4):449–53 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The interactions between asbestos fibers and metaphase chromosomes of rat pleural mesothelial cells in culture. A scanning and transmission electron microscopic study. Wang NS, et al. **Am J Pathol** 1987 Feb;126(2):343–9

Carrageenan-stimulated release of arachidonic acid and of lactate dehydrogenase from rat pleural cells. Lo TN, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2405–13

Sister chromatid exchanges in rat pleural mesothelial cells treated with crocidolite, attapulgite, or benzo 3–4 pyrene. Achard S, et al. **Br J Ind Med** 1987 Apr;44(4):281–3

Experimental evaluation of various available contrast agents for use in the gastrointestinal tract in case of suspected leakage. Effects on pleura. Ginai AZ. **Br J Radiol** 1986 Sep;59(705):887–94

Clinical experience with tetracycline pleurodesis of malignant pleural effusions. Sherman S, et al. **South Med J** 1987 Jun; 80(6):716–9

EMBRYOLOGY

A description of caudal migration during growth leading to the formation of the pericardial and pleural coeloms, to caudal movement of the aortic arches, and to development of the shoulder. Searls RL. **Am J Anat** 1986 Oct; 177(2):271–83

INNERVATION

[Mechanoreceptor sensitivity in the mucosa of the respiratory tract and pleura in cats with carrageenan pleuritis] Giačová D, et al. **Bratisl Lek Listy** 1987 Jan;87(1):24–31 (Eng. Abstr.) **(Slo)**

METABOLISM

Demonstration of intrapleural immunoglobulin synthesis by agarose gel isoelectric focusing. A new specific method for the diagnosis of pleural effusions of inflammatory origin? Rosström B, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1036–9

Pleural migration of chrysotile fibers after intratracheal injection in rats. Viallat JR, et al. **Arch Environ Health** 1986 Sep–Oct;41(5):282–6

Penetration and concentration of cefadroxil in sputum, lung and pleural fluid. Nightingale CH. **Drugs** 1986;32 Suppl 3:17–20

MICROBIOLOGY

[The assessment of pleural biopsy culture in the diagnosis of tuberculous pleurisy] Chang HY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):73–5 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Cytological and ultrastructural characteristics of DNA synthesizing mesothelial cells in pleural effusion. Isoda K, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1279–96

Lupus erythematosus cells in serum and pleural fluid of a patient with negative fluorescent antinuclear antibody test. Hidalgo C, et al. **Am J Clin Pathol** 1987 May;87(5):660–2

Fibrin bodies revisited [letter] Byard RW, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):88–9

Histoplasmoma, pleural fibrosis, and slowly enlarging pleural effusion in an asymptomatic patient. Swinburne AJ, et al. **Am Rev Respir Dis** 1987 Feb;135(2):502–3

Benign and malignant mesothelial lesions of the pleura: quantitative study. Ranaldi R, et al. **Appl Pathol** 1986; 4(1–2):55–64

Primary malignant fibrous histiocytoma of the pleura. A case report. Sforza V, et al. **Appl Pathol** 1986;4(3):162–9

Paraplegia due to massive asbestos-related pleural and mediastinal fibrosis. O'Brien CJ, et al. **Histopathology** 1987 May;11(5):541–8

Needle biopsy of the pleura in the diagnosis of pleural effusion. McAleer JJ, et al. **Ulster Med J** 1987 Apr; 56(1):54–7

Histologic confirmation of recurrent Hodgkin's disease by percutaneous pleural biopsy. Johnson K, et al. **Wis Med J** 1986 Dec;85(12):9–10

[Application of an improved Abrams needle in pleural biopsy] Shen HF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):147–9, 189 (Eng. Abstr.) **(Chi)**

[Pleural and mediastinal fibrosis with involvement of the external pericardium as a cause of decompensated heart failure] Erlemeier HH, et al. **Z Kardiol** 1986 Jul;75(7):441–4 (Eng. Abstr.) **(Ger)**

[Hyaline plaques of the pleura and domestic exposure to asbestos] Bianchi C, et al. **Med Lav** 1987 Jan–Feb;78(1):44–9 (Eng. Abstr.) **(Ita)**

[Morphological changes in rabbit pleura induced by Lactobacillus casei (LC9018)] Nakata M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2381–4 (Eng. Abstr.) **(Jpn)**

[Critical aspects of the information capacity of a pleural needle biopsy] Hreniuc R, et al. **Rev Ig [Pneumoftiziol]** 1987 Jan–Mar;36(1):73–7 **(Rum)**

[Importance of needle biopsy in the diagnosis of peripheral lesions of the lungs, pleura and chest wall] Utkin VV, et al. **Probl Tuberk** 1986;(9):15–9 (Eng. Abstr.) **(Rus)**

[Percutaneous needle biopsy of the pleura] Plavec G, et al. **Vojnosanit Pregl** 1987 May–Jun;44(3):206–8 (Eng. Abstr.) **(Scr)**

[Atelectatic pleural shrinking—a benign round mass in the lung in patients exposed to asbestos] Dernevik L. **Lakartidningen** 1987 Jun 10;84(24):2116–8 **(Swe)**

PHYSIOLOGY

Mechanical behavior of excised canine visceral pleura. Humphrey JD, et al. **Ann Biomed Eng** 1986;14(5):451–66

Validation of esophageal balloon technique at different lung volumes and postures. Baydur A, et al. **J Appl Physiol** 1987 Jan;62(1):315–21

Liquid thickness vs. vertical pressure gradient in a model of the pleural space. Lai-Fook SJ, et al. **J Appl Physiol** 1987 Apr;62(4):1747–54

Quantification of strains in biaxially tested soft tissues. Humphrey JD, et al. **J Biomech** 1987;20(1):59–65

[Effect of artificial pulmonary ventilation using intermittent positive and negative pressures in the pleural cavity on gas exchange efficiency in the isolated heart-lung preparation] Barinov EF, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effects of the Mueller maneuver on global and regional left ventricular function in angina pectoris with or without previous myocardial infarction. Scharf SM, et al. **Am J Cardiol** 1987 Jun 1;59(15):1305–9

Effect of fibrin sealant on the tensile strength of rat visceral pleura. Bense L, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):179–80

RADIOGRAPHY

The morbidity and mortality of vermiculite miners and millers exposed to tremolite-actinolite: Part III. Radiographic findings. Amandus HE, et al. **Am J Ind Med** 1987;11(1):27–37

Value of the lateral view in diagnosing pleural plaques. Hillerdal G. **Arch Environ Health** 1986 Nov–Dec; 41(6):391–2

Bronchopleural complications of nasogastric feeding tubes. Hendry PJ, et al. **Crit Care Med** 1986 Oct;14(10):892–4

Radiological evaluation of early pleural and pulmonary changes in light asbestos exposure. Lundorf E, et al. **Eur J Respir Dis** 1987 Mar;70(3):145–9

A vagabond pleural pebble. Zamperlin A, et al. **Respiration** 1987;51(2):155–7

The posterior pleural junction line in pneumoconiosis. A report of 3 cases with thickening. Thomas RG, et al. **S Afr Med J** 1987 Jun 20;71(12):792–5

[Thoracic CT: diagnosis of the pleura and thoracic wall lesions] Kubota H, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1357–70 (59 ref.) **(Jpn)**

RADIONUCLIDE IMAGING

Extraosseous 99mTc-MDP uptake in squamous cell carcinoma of the pleura [published erratum appears in Diabetologia 1987 May;30(5):364] Garty I, et al. **Eur J Nucl Med** 1987;12(12):589–91

SURGERY

Extrapleural pneumonectomy for diffuse, malignant mesothelioma. DaValle MJ, et al. **Ann Thorac Surg** 1986 Dec;42(6):612–8

Effect of pleurotomy on pulmonary function after median sternotomy. Stock MC, et al. **Ann Thorac Surg** 1986 Oct; 42(4):441–4

Current indications for decortication in the treatment of empyema in children. Foglia RP, et al. **J Pediatr Surg** 1987 Jan;22(1):28–33

[Spontaneous recurrent pneumothorax in young patients. Treatment by bilateral one stage apical pleurectomy by axillary approach] Gamondès JP, et al. **Presse Med** 1987 Mar 14;16(9):423–6 (Eng. Abstr.) **(Fre)**

[Several aspects of pulmonary decortication in the surgical treatment of pleural empyema] Finichiu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec; 90(4):659–63 (Eng. Abstr.) **(Rum)**

[Microdrainage of the pleural cavity in the complex treatment of patients with tuberculous pleurisy] Tiukhtin NS, et al. **Probl Tuberk** 1987;(6):51–3 (Eng. Abstr.) **(Rus)**

PLEURAL DISEASES

Clostridial infections of the lungs and pleura. Bekemeyer WB Jr. **South Med J** 1986 Nov;79(11):1393–7

[Very late complications of extrapleural pneumothorax as a result of external fistulation (on acrylic balls after 18 years) or internal fistulation (on oleothorax after 32 and 48 years, respectively)] Jost A. **Rev Med Suisse Romande** 1986 Jul;106(7):605–17 **(Fre)**

CHEMICALLY INDUCED

Pleural effects of tremolite in north-west Greece [letter] Bazas T. **Lancet** 1987 Jun 27;1(8548):1490–1

Abnormalities of pulmonary function and pleural disease among titanium metal production workers. Garabrant DH, et al. **Scand J Work Environ Health** 1987 Feb;13(1):47–51

[Natural history and diagnostic criteria in drug-induced pneumopathies] Akoun GM, et al. **Therapie** 1986 Jul–Aug; 41(4):233–6 (Eng. Abstr.) **(Fre)**

[Pleuropulmonary complications caused by beta blockaders] Lavarenne J, et al. **Therapie** 1986 Jul–Aug;41(4):259–62 (21 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Histoplasmoma, pleural fibrosis, and slowly enlarging pleural effusion in an asymptomatic patient. Swinburne AJ, et al. **Am Rev Respir Dis** 1987 Feb;135(2):502–3

Pleural involvement in sarcoidosis. Ng LL. **Br J Clin Pract** 1986 Sep;40(9):386

Carbon dioxide excretion via bronchopleural fistulas in adult respiratory distress syndrome. Bishop MJ, et al. **Chest** 1987 Mar;91(3):400–2

Rapidly filling pleural effusion due to a subarachnoid-pleural fistula. Singhi P, et al. **Clin Pediatr (Phila)** 1987 Aug; 26(8):416–8

[Are pleural plaques predictors of lung cancer?] Lander F. **Ugeskr Laeger** 1986 Oct 27;148(44):2827–8 (Eng. Abstr.) **(Dan)**

[Emergency surgical treatment in several clinical forms of toxico-septic shock in pleuropulmonary pathology] Coman C, et al. **Rev Chir [Chir]** 1987 Jan-Feb;36(1):29-40 (Eng. Abstr.) **(Rum)**

[Pulmonaro-pleural complications in indirect pancreatopleural fistula] Karagiulian RG. **Khirurgiia (Mosk)** 1987 Mar;(3):90-3 **(Rus)**

DIAGNOSIS

Thoracoscopy under regional anesthesia for the diagnosis and management of pleural disease. Rusch VW, et al. **Am J Surg** 1987 Sep;154(3):274-8

Tissue polypeptide antigen (TPA) in pleural effusions. Parazzi F, et al. **Tumori** 1987 Feb 28;73(1):33-6

Immunohistochemistry in the diagnosis of malignant mesothelioma. Pfaltz M, et al. **Virchows Arch [A]** 1987; 411(4):387-93

[Pleuroscopy: current aspects] Saint-Remy P, et al. **Rev Med Liege** 1987 May 15;42(10):456-8 **(Fre)**

[Thoracoscopy of pleural effusions: methods, indications, results] Boutin C. **Schweiz Med Wochenschr** 1986 Dec 6; 116(49):1717-9 (Eng. Abstr.) **(Fre)**

[Sonographic diagnosis of pleuropulmonary diseases] Börner N. **Med Klin** 1986 Jun 20;81(14):496-500 **(Ger)**

[Efficient diagnosis of pleural effusion] Gartmann J. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1699-708 (28 ref.) (Eng. Abstr.) **(Ger)**

[Pleural aspergillosis] Ivchenko VN, et al. **Grudn Khir** 1986 Nov-Dec;(6):49-52 (17 ref.) (Eng. Abstr.) **(Rus)**

[Control and correction of the formation of fibrothorax after pulmonectomy using ultrasonic echotomography] Naumov VN, et al. **Probl Tuberk** 1987;(5):43-5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Asbestosis: interstitial pulmonary fibrosis and pleural fibrosis in a cohort of asbestos insulation workers: influence of cigarette smoking. Lilis R, et al. **Am J Ind Med** 1986; 10(5-6):459-70

Simultaneous occurrence of chylothorax and subarachnoid pleural fistula after thoracotomy. Rice TW, et al. **Can J Surg** 1987 Jul;30(4):256-8

Bronchopleural fistula: pulmonary changes in a neonate. Plous RH, et al. **Mt Sinai J Med (NY)** 1986 Jun;53(6):485-8

Spontaneous hydropneumothorax by severe pulmonary sarcoidosis. Baldini EV, et al. **Sarcoidosis** 1984 Sep; 1(1):60-2

Asbestos-associated lung effects in car mechanics. Marcus K, et al. **Scand J Work Environ Health** 1987 Jun;13(3):252-4

Bronchopleural fistula after pneumonectomy [letter] Matsumiya N, et al. **Thorax** 1986 Nov;41(11):896

[Benign gastric ulcer with perforation into the pleura and pericardium] Mathiesen O, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1068 (Eng. Abstr.) **(Dan)**

[Pancreatic-pleural fistula in chronic pancreatitis (letter)] de Ferron P, et al. **Presse Med** 1987 Aug 29-Sep 5; 16(28):1373-4 **(Fre)**

[Recurrent pleuropulmonary diseases and taeniasis] Berthiot G, et al. **Rev Pneumol Clin** 1987;43(2):112-3 **(Fre)**

[Pleuropulmonary manifestations in chronic polyarthritis] Schlapbach P, et al. **Schweiz Med Wochenschr** 1987 Feb 28;117(9):315-21 (Eng. Abstr.) **(Ger)**

[Bronchopleural fistula after using a suture stapler] Barbari SG, et al. **Tidsskr Nor Laegeforen** 1987 Mar 30; 107(9):841-2, 873 (Eng. Abstr.) **(Nor)**

[Pleuropulmonary complications of chronic alcoholic pancreatitis] Putov NV, et al. **Vestn Khir** 1987 Jan; 138(1):81-4 **(Rus)**

[Eikenella corrodens pleuropulmonary infections] Pérez Trallero E, et al. **Rev Clin Esp** 1987 Jun;181(2):90-1 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Changes on radiographs of wives of workers exposed to asbestos. Sider L, et al. **Radiology** 1987 Sep;164(3):723-6

MICROBIOLOGY

Anaerobic bacterial infections of the lung. Bartlett JG. **Chest** 1987 Jun;91(6):901-9 (60 ref.)

OCCURRENCE

Pleural plaques, respiratory symptoms and respiratory function in shipyard workers exposed to man-made mineral fibres. Sandén A, et al. **J Soc Occup Med** 1986 Autumn; 36(3):86-9

PATHOLOGY

Malignant disease of the pleura: a histopathological study with special emphasis on diagnostic criteria and differentiation from reactive mesothelium. Tuder RM. **Histopathology** 1986 Aug;10(8):851-65

Malignant mesothelioma: a case report from an area with endemic pleural calcification [letter] Sichletidis L, et al. **JAMA** 1987 Sep 18;258(11):1478

Subarachnoid-pleural fistula complicating thoracotomy: case report and review of the literature. Da Silva VF, et al. **Neurosurgery** 1987 May;20(5):802-5

Bronchopleural fistula in a neonate. Shen-Schwarz S, et al. **Pediatr Pathol** 1986;6(2-3):259-65

The pleural manifestations of asbestos exposure. Rosenstock L, et al. **State Art Rev Occup Med** 1987 Apr-Jun; 2(2):383-407

[Pleural amyloidosis] Cervera R, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):284-6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pleural plaques and respiratory function. Järvholm B, et al. **Am J Ind Med** 1986;10(4):419-26

Mechanisms affecting exercise performance in subjects with asbestos-related pleural fibrosis. Picado C, et al. **Lung** 1987; 165(1):45-57

RADIOGRAPHY

Computed tomography of pleural lesions with special reference to the mediastinal pleura. Salonen O, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep-Oct;27(5):527-31

CT of esophageal-pleural fistulae. Wechsler RJ. **AJR** 1986 Nov;147(5):907-9

Computed tomography (CT) of lung, mediastinum and pleura--current concepts. Nagendran T, et al. **Ala Med** 1987 Jun;56(12):38-41

Pancreatic pleural fistula: demonstration by computed tomography after endoscopic retrograde pancreatography. Kimura Y, et al. **Am J Gastroenterol** 1987 Aug;82(8):790-3

Value of the lateral view in diagnosing pleural plaques. Hillerdal G. **Arch Environ Health** 1986 Nov-Dec; 41(6):391-2

Pleural-based mass in an elderly man with arthralgias. England DM, et al. **Chest** 1987 Apr;91(4):603-4

Diagnosis of asbestos-related disease [editorial] Weill H. **Chest** 1987 Jun;91(6):802-3

Enterobronchial fistula. Richterman RL, et al. **Gastrointest Radiol** 1987;12(3):194-6

Bolus contrast medium enhancement for distinguishing pleural from parenchymal lung disease: CT features. Bressler EL, et al. **J Comput Assist Tomogr** 1987 May-Jun; 11(3):436-40

Fluid within preexisting pulmonary air-spaces: a potential pitfall in the CT differentiation of pleural from parenchymal disease. Zinn WL, et al. **J Comput Assist Tomogr** 1987 May-Jun;11(3):441-8

Computerized chest tomography in asbestos workers suspected of having pleural disease. Collins JD, et al. **J Natl Med Assoc** 1987 Mar;79(3):273-7

Extensive calcified pleural plaques [letter] Ballambattu S, et al. **NY State J Med** 1987 Apr;87(4):236-7

Pleural aspergillosis diagnosed by computerized tomography. Winer-Muram HT, et al. **South Med J** 1987 Sep; 80(9):1193-4

[Radioclinical comparisons after pneumonectomy. A retrospective study of 110 cases] Valverde JP, et al. **Ann Chir** 1986 Nov;40(8):572-6 (Eng. Abstr.) **(Fre)**

[Pleural plaques and an asbestos environment in Northern Corsica] Steinbauer J, et al. **Rev Mal Respir** 1987;4(1):23-7 (Eng. Abstr.) **(Fre)**

[Value of computed tomography for the recording and evaluation of the pleural form of asbestosis] Rotte KH, et al. **Radiol Diagn (Berl)** 1986;27(4):471-7 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Radionuclide demonstration of a renopleural fistula following trauma. Manier SM, et al. **Clin Nucl Med** 1986 Dec; 11(12):870-1

Postpneumonectomy bronchopleural fistula imaged by ventilation lung scanning. Moote D, et al. **Clin Nucl Med** 1987 Apr;12(4):337-8

Ascites and right pleural effusion: demonstration of a peritoneo-pleural communication. Verreault J, et al. **J Nucl Med** 1986 Nov;27(11):1706-9

SURGERY

A modified pectoralis muscle flap for closure of postpneumonectomy esophagopleural fistula: technique and results. Mud HJ, et al. **Ann Thorac Surg** 1987 Apr; 43(4):359-62

Pancreaticopleural fistulas. Pottmeyer EW 3d, et al. **Arch Surg** 1987 Jun;122(6):648-54

Pancreatopleural fistula. Bedingfield JA, et al. **Pancreas** 1986; 1(3):283-90

Management of empyema and bronchopleural fistula. Experience with Eloesser window. Adebo OA, et al. **Trop Doct** 1987 Jan;17(1):26-9

[Joint annual meeting of the Swiss Society for Cardiology and the Swiss Society for Thoracic and Cardiovascular Surgery. Lausanne, 19-21 March 1987. Abstracts] **Schweiz Med Wochenschr [Suppl]** 1987;21:1-33 **(Ger)**

[Closure method of bronchopleural fistula by omental pedicle flap] Tatsumi A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1997-2001 (Eng. Abstr.) **(Jpn)**

[Repeat operations on a chronic empyema patient with a tracheopleurothoracic fistula and destructive tuberculosis of a solitary left lung] Ivanov AV, et al. **Probl Tuberk** 1987; (4):65-6 **(Rus)**

THERAPY

Comparison of high-frequency jet ventilation with conventional mechanical ventilation for bronchopleural fistula. Bishop MJ, et al. **Anesth Analg** 1987 Sep;66(9):833-8

Endoscopic gluing of bronchopleural fistula [published erratum appears in Ann Thorac Surg 1987 Jun;43(6):691] Torre M, et al. **Ann Thorac Surg** 1987 Mar;43(3):295-7

Fibrin glue application through the flexible fiberoptic bronchoscope: closure of bronchopleural fistulas. Glover W, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):470-2

[A case treated with broncho-cutaneous stoma for postoperative bronchial stump fistula] Saoyama N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):2002-5 (Eng. Abstr.) **(Jpn)**

[Effect of hemosorption on the central hemodynamics, oxygen transport, tissue respiration and the metabolic indices of patients with suppurative destructive processes in the lungs and pleura] Lopatin AF, et al. **Grudn Khir** 1986 Nov-Dec;(6):63-5 (Eng. Abstr.) **(Rus)**

VETERINARY

Non-neoplastic surgical diseases of the lung and pleura. Walter PA. **Vet Clin North Am [Small Anim Pract]** 1987 Mar;17(2):359-85 (19 ref.)

PLEURAL EFFUSION

Spontaneous sheep red cell rosetting (E-rosetting) by malignant epithelial cells in effusions [letter] Chandra M, et al. **Acta Cytol (Baltimore)** 1987 May-Jun;31(3):383-4

CHEMICALLY INDUCED

Amiodarone pulmonary toxicity. Clinical, cytologic and ultrastructural findings. Stein B, et al. **Acta Cytol (Baltimore)** 1987 May-Jun;31(3):357-61

Diffuse pulmonary injury following paint remover exposure. Buie SE, et al. **Am J Med** 1986 Oct;81(4):702-4

Amiodarone pulmonary toxicity presenting as bilateral exudative pleural effusions. Gonzalez-Rothi RJ, et al. **Chest** 1987 Jul;92(1):179-82

Safety of Hyskon for routine gynecologic surgery. A case report. Rose BI. **J Reprod Med** 1987 Feb;32(2):134-6

COMPLICATIONS

Histoplasmoma, pleural fibrosis, and slowly enlarging pleural effusion in an asymptomatic patient. Swinburne AJ, et al. **Am Rev Respir Dis** 1987 Feb;135(2):502-3

Pleural cryptococcosis in the acquired immune deficiency syndrome. Newman TG, et al. **Chest** 1987 Mar;91(3):459-61

Rheumatoid arthritis with pleural effusion includes a subgroup with autoimmune features and HLA-B8, Dw3 association. Hakala M, et al. **Scand J Rheumatol** 1986; 15(3):290-6

Elevated pleural fluid glucose: a risk for tension hydrothorax. Bennett MR, et al. **South Med J** 1986 Oct;79(10):1287-9

[A case of pulmonary asbestosis associated with bloody benign asbestos pleural effusion] Nakano Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):792-7 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Demonstration of intrapleural immunoglobulin synthesis by agarose gel isoelectric focusing. A new specific method for the diagnosis of pleural effusions of inflammatory origin? Rosström B, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1036-9

Diagnosis and treatment of malignant pleural effusion. Hausheer FH, et al. **Cancer Metastasis Rev** 1987;6(1):23-40 (132 ref.)

Thoracocentesis. Clinical value, complications, technical problems, and patient experience. Collins TR, et al. **Chest** 1987 Jun;91(6):817-22

Indications for fiberoptic bronchoscopy [letter] Khandelwal AV. **Chest** 1987 Aug;92(2):385

Ascites or pleural effusion? CT and ultrasound differentiation. Halvorsen RA Jr, et al. **CRC Crit Rev Diagn Imaging** 1986; 26(3):201-40 (35 ref.)

The use of immunoperoxidase panels for the cytologic diagnosis of malignancy in serous effusions. Silverman JF, et al. **Diagn Cytopathol** 1987 Jun;3(2):134-40

Ultrasonic real-time diagnosis of transitory fetal pleural and pericardial effusion. Jaffe R, et al. **Diagn Imag Clin Med** 1986;55(6):373-5

Localised benign mesothelioma of pleura presenting as rapidly accumulating massive pleural effusion. Dhar SN, et al. **Indian J Chest Dis Allied Sci** 1986 Jul-Sep;28(3):163-5

Work in progress: in vitro analysis of pleural fluid analogs by proton magnetic resonance. Preliminary studies at 1.5T. Vock P, et al. **Invest Radiol** 1987 May;22(5):382-7

Pancreatitis presenting as pleural effusions: computed tomography demonstration of pleural space extension of pancreatitis exudate. Belfar HL, et al. **J Comput Tomogr** 1987 Apr;11(2):184-7

Adenosine deaminase activity as a diagnostic index of pleural effusion. Sinha PK, et al. **J Indian Med Assoc** 1987 Jan; 85(1):11-3

Primary cytological diagnosis of Hodgkin's disease in pleural fluid. Bersi S, et al. **Pathologica** 1986 Jul-Aug; 78(1056):533-6

Pleural effusions. 2. Definitive evaluation of the exudate. Jay SJ. **Postgrad Med** 1986 Oct;80(5):181-8

Pleural effusions. 1. Preliminary evaluation--recognition of the transudate. Jay SJ. **Postgrad Med** 1986 Oct;80(5):164-7, 170-7

Ultrasonography in the evaluation of pleural pathology. De

Gaetano AM, et al. **Rays** 1986 Jan–Apr;11(1):97–102

IgD myeloma with malignant pleural effusion. Kamal MK, et al. **South Med J** 1987 May;80(5):657–8

Diagnostic and therapeutic uses of pleuroscopy (thoracoscopy) in lung cancer. Kaiser LR. **Surg Clin North Am** 1987 Oct;67(5):1081–6

Rapid diagnosis of anaerobic pleuropulmonary infection by direct gas–liquid chromatography. Hsiue TR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar;86(3):233–40

The diagnostic value of cytophotometry in malignant pleural effusions. Kuo SH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Aug;85(8):807–13

Needle biopsy of the pleura in the diagnosis of pleural effusion. McAleer JJ, et al. **Ulster Med J** 1987 Apr; 56(1):54–7

[Diagnostic considerations in pleural effusion] Faurschou P, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2146–8 (Eng. Abstr.) **(Dan)**

[Extension to the ultrasonic study of supra– and subphrenic spaces of plate–shaped probes initially destined for intracavitary sonography. Research on thoraco–abdominal fluid collections in non–mobilizable patients] Eisenscher A, et al. **J Radiol** 1986 Dec;67(12):891–5 (Eng. Abstr.) **(Fre)**

[Value of determining carcinoembryonic antigen (CEA) in diagnosing pleural effusion] Kozielski J, et al. **Pneumonol Pol** 1986 Oct;54(10):464–9 (Eng. Abstr.) **(Pol)**

[Exudative pleurisy in viral infection. Preliminary evaluation of diagnostic possibilities] Kruszewski J, et al. **Pneumonol Pol** 1986 Dec;54(12):552–5 (Eng. Abstr.) **(Pol)**

[Pseudotumorous shadows of pleural origin] Goldner B, et al. **Pneum Boletti** 1986 Apr–Jun;38(2):158–62 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Treatment of chronic pleural effusions after the Fontan procedure with prednisone. Rothman A, et al. **Am J Cardiol** 1987 Aug 1;60(4):408–9

Tetracycline pleurodesis for malignant pleural effusions. A 10–year retrospective study. Gravelyn TR, et al. **Cancer** 1987 Jun 1;59(11):1973–7

Treatment of pleural blastomycosis: penetration of amphotericin B into the pleural fluid. Kutty K, et al. **J Infect Dis** 1987 Oct;156(4):689–90

[The importance of an empty pleural cavity in the treatment of pleural effusion] Daugaard JJ, et al. **Ugeskr Laeger** 1987 Jan 19;149(4):221–2 (Eng. Abstr.) **(Dan)**

[Diffusion of trimethoprim and sulfamethoxazole into the pleural fluid] Varoquaux O, et al. **Rev Mal Respir** 1986; 3(4):213–7 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Acid alpha–naphthyl acetate esterase staining of effusions for ruling out tuberculosis [letter] Apibal S, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):382–3

High adenosine deaminase activity level in pleural effusion [letter] Perez Vidal R, et al. **Chest** 1986 Oct;90(4):625

Meaning and diagnostic value of determining the lysozyme level of pleural fluid. Verea Hernando HR, et al. **Chest** 1987 Mar;91(3):342–5

Adenosine deaminase activity in pleural effusions. Singh RP, et al. **J Assoc Physicians India** 1986 Jun;34(6):427

Adenosine deaminase activity in the diagnosis of lymphocytic pleural effusions of tuberculous, neoplastic and lymphomatous origin. Ocaña I, et al. **Tubercle** 1986 Jun; 67(2):141–5

[Analysis of lactate dehydrogenase isoenzymes in the diagnosis of pleural effusion (letter)] Vergnon JM. **Rev Pneumol Clin** 1986;42(6):314–5 **(Fre)**

[Adenosine deaminase activity and isozymes in pleural effusion: an aid to differential diagnosis between carcinomatous and tuberculous pleurisy] Kurata N, et al. **Rinsho Byori** 1987 Feb;35(2):192–6 **(Jpn)**

ETIOLOGY

Pleural effusion after CT–guided alcohol celiac plexus block. Fujita Y, et al. **Anesth Analg** 1987 Sep;66(9):911–2

Refractory massive pleural effusion in systemic lupus erythematosus treated by pleurectomy. Elborn JS, et al. **Ann Rheum Dis** 1987 Jan;46(1):77–80

Tuberculous pleural effusions. Epstein DM, et al. **Chest** 1987 Jan;91(1):106–9

Gorham's disease of the clavicle with bilateral pleural effusions. Eight years later [letter] Feigl D, et al. **Chest** 1987 Jul;92(1):189

Fiberoptic bronchoscopy and pleural effusion of unknown origin. Feinsilver SH, et al. **Chest** 1986 Oct;90(4):516–9

Obscure pleural effusion. Look to the kidney [editorial] Sahn SA, et al. **Chest** 1986 Nov;90(5):631

Rapidly filling pleural effusion due to a subarachnoid–pleural fistula. Singhi P, et al. **Clin Pediatr (Phila)** 1987 Aug; 26(8):416–8

Benign asbestos pleural effusion: 73 exudates in 60 patients. Hillerdal G, et al. **Eur J Respir Dis** 1987 Aug;71(2):113–21

Chylous pleural effusion as the initial manifestation of Waldenström's macroglobulinemia. Monteagudo M, et al. **Eur J Respir Dis** 1987 May;70(5):326–7

Myelomatous pleural effusion. Gupta S, et al. **J Assoc Physicians India** 1986 Apr;34(4):289–91

A case of pleural effusion due to development of peritoneopleural sinus secondary to ascites. Ukil R, et al. **J Indian Med Assoc** 1987 Apr;85(4):113–5

Pleural effusion. An unusual feature of histoplasmosis. Roy TM, et al. **J Ky Med Assoc** 1987 May;85(5):241–3

Ascites and right pleural effusion: demonstration of a peritoneo–pleural communication. Verreault J, et al. **J Nucl Med** 1986 Nov;27(11):1706–9

Iatrogenic causes of large pleural fluid collections in the premature infant: ultrasonic and radiographic findings. Amodio J, et al. **Pediatr Radiol** 1987;17(2):104–8

Pleural effusions caused by infection. Varkey B. **Postgrad Med** 1986 Oct;80(5):213–6, 219, 222–3

Pleural effusion in Iraq: a prospective study of 100 cases. Al–Alusi F. **Thorax** 1986 Jun;41(6):492–3

Tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis. Knox AJ, et al. **Thorax** 1986 Aug; 41(8):651

Tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis [letter] Scadding JG, et al. **Thorax** 1987 Apr;42(4):320

[Pleural effusion and flail chest; 2 rare complications of multiple myeloma] Härkönen M. **Duodecim** 1986; 102(15):1036–9 **(Fin)**

[Enzymatic seritis, a developing complication of chronic pancreatitis] Adloff M, et al. **Ann Chir** 1987;41(3):177–84 (Eng. Abstr.) **(Fre)**

[Unilateral pleural effusion: first manifestation of cirrhosis induced by alpha–methyldopa (letter)] Humbert P, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):519–20 **(Fre)**

[Thoracoscopic talc poudrage in pleurisies of blood diseases] Viallat JR, et al. **Nouv Rev Fr Hematol** 1986;28(6):381–5 (Eng. Abstr.) **(Fre)**

[Pleural effusion and Toxocara canis] Bruart J, et al. **Rev Mal Respir** 1987;4(1):35–7 (Eng. Abstr.) **(Fre)**

[Contribution of iatrogenic pathology to all pleural diseases] Martínez–Berganza A, et al. **Rev Pneumol Clin** 1987; 43(3):151–5 (Eng. Abstr.) **(Fre)**

[Thoracoscopy of pleural effusions: methods, indications, results] Boutin C. **Schweiz Med Wochenschr** 1986 Dec 6; 116(49):1717–9 (Eng. Abstr.) **(Fre)**

[Efficient diagnosis of pleural effusion] Gartmann J. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1699–708 (28 ref.) (Eng. Abstr.) **(Ger)**

[Thoracic pain, febrile status] Hany S, et al. **Schweiz Rundsch Med Prax** 1986 Sep 16;75(38):1118–21 (Eng. Abstr.) **(Ger)**

[Pleural effusions] Barbera S, et al. **Arch Monaldi** 1985 Sep–Dec;40(5–6):225–38 (Eng. Abstr.) **(Ita)**

[Pseudocysts of the pancreas with mediastinal manifestations] Frasson P, et al. **Minerva Chir** 1987 Jun 15;42(11):969–74 (Eng. Abstr.) **(Ita)**

[pH measurement in the diagnosis of pleural exudates] Rapellino M, et al. **Minerva Med** 1986 Oct 6;77(38):1713–6 (Eng. Abstr.) **(Ita)**

[Abruptly appearing hemorrhagic pleural effusion preceded by dialysis ascites in a patient undergoing hemodialysis] Kitoh C, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1661–2 **(Jpn)**

[Successful treatment of advanced endometrial carcinoma with pleural effusion due to cancer by cisplatin, doxorubicin, and medroxyprogesterone acetate] Hayashi Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1173–6 **(Jpn)**

[Pleural and pericardial effusion in a case of acute lymphoblastic leukemia] Miyawaki S, et al. **Rinsho Ketsueki** 1987 Apr;28(4):629–33 (Eng. Abstr.) **(Jpn)**

[Pleural effusion with high amylase levels simulating pancreas disease in a patient with congenital mediastinal cyst] Machado MC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Nov–Dec; 41(6):286–8 (Eng. Abstr.) **(Por)**

[A case of recurrent exudative pleurisy as the onset of systemic lupus erythematosus] Mosin VO. **Ter Arkh** 1987; 59(4):139 **(Rus)**

[Importance of the determination of adenosine deaminase in pleuro–peritoneal effusions (letter)] Cortejoso García R, et al. **Med Clin (Barc)** 1987 May 23;88(20):826 **(Spa)**

[Pleuropulmonary complications of typhoid fever (letter)] Santaló M, et al. **Rev Clin Esp** 1986 Oct;179(6):337 **(Spa)**

[Cirrhogenic pleural effusion in the absence of ascites] Camps C, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):543–4 (Eng. Abstr.) **(Spa)**

[Chronic ascites and pleural effusion of pancreatic origin] Pacheco D, et al. **Rev Med Chil** 1986 May;114(5):460–2 (Eng. Abstr.) **(Spa)**

[Intravenous feeding via central venous catheter caused bilateral pleural effusion] Eklund A, et al. **Lakartidningen** 1986 Sep 3;83(36):2942–3 **(Swe)**

FAMILIAL & GENETIC

Flow cytometry and Feulgen cytophotometry in evaluation of effusions. Schneller J, et al. **Cancer** 1987 Apr 1; 59(7):1307–13

IMMUNOLOGY

Isolation and dissociation of immune complexes from pleural effusions of lymphoma patients. Patel GV, et al. **Cancer Immunol Immunother** 1986;23(1):51–5

Lymphocyte subpopulations, activation phenotypes, and spontaneous proliferation in tuberculous pleural effusions. Bergroth V, et al. **Chest** 1987 Mar;91(3):338–41

NK cells in carcinomatous and tuberculous pleurisy. Phenotypic and functional analyses of NK cells in peripheral blood and pleural effusions. Okubo Y, et al. **Chest** 1987 Sep;92(3):500–4

An enzyme immunoassay for auto–antibodies to keratin in normal human serum and in pleural fluids from patients with various malignant or non–malignant lung diseases. Lambré CR, et al. **J Clin Lab Immunol** 1986 Aug; 20(4):171–6

Pleural fluid CEA levels in the diagnosis of malignant mesothelioma. Whitaker D, et al. **Pathology** 1986 Jul; 18(3):328–9

Tissue polypeptide antigen (TPA) in pleural effusions. Parazzi F, et al. **Tumori** 1987 Feb 28;73(1):33–6

[Carcinoembryonic antigen assay in serum and pleural effusion of pulmonary malignancies and benign lesions] Jiang XF, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov; 8(6):430–1 (Eng. Abstr.) **(Chi)**

[Use of immunohistochemistry in clinical cytology] Weintraub D, et al. **Ann Pathol** 1987;7(1):25–30 (Eng. Abstr.) **(Fre)**

[High Ca 125 serum level in benign ascites or pleural effusion] Mezger J, et al. **Geburtshilfe Frauenheilkd** 1987 Jul; 47(7):463–5 (Eng. Abstr.) **(Ger)**

[Usefulness of the determination of carcinoembryonic antigen in the pleural fluid in effusions associated with bronchial neoplasms] Rapellino M, et al. **Minerva Med** 1987 Jul 15; 78(13):885–7 (Eng. Abstr.) **(Ita)**

[Diagnostic contribution of carcinoembryonic antigen (CEA) in the pleural fluid and serum of patients with metastatic pleural effusion caused by neoplasm of the breast] Rapellino M, et al. **Minerva Med** 1987 Jan 31;78(2):103–5 (Eng. Abstr.) **(Ita)**

[Analysis of lymphocyte subsets of peripheral blood and pleural effusion in patients with tuberculous pleurisy or carcinomatous pleurisy] Nakamura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):785–91 (Eng. Abstr.) **(Jpn)**

[Value of determining the total E–rosettes in the pleural fluid] Mihăiescu T, et al. **Rev Ig [Pneumoftiziol]** 1986 Oct–Dec; 35(4):333–9 (Eng. Abstr.) **(Rum)**

METABOLISM

Pleural fluid pH: diagnostic, therapeutic, and prognostic value. Houston MC. **Am J Surg** 1987 Sep;154(3):333–7 (38 ref.)

Estrogen and progesterone receptors in neoplastic cells of metastatic pleural effusion of breast carcinoma before and after tamoxifen therapy. Correlation with the clinical response. Di Lorenzo D, et al. **Chemioterapia** 1986 Aug; 5(4):232–6

Cholesterol in pleural effusions. A diagnostic aid. Hamm H, et al. **Chest** 1987 Aug;92(2):296–302

Pleural fluid levels of cefoxitin in patients with renal impairment. Barrueco M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):485–9

Alpha 1–protease inhibitor in serous effusions: differences in lectin crossed immuno–affinoelectrophoresis precipitin profiles between benign and malignant disease. Bleasby AJ, et al. **Int J Tissue React** 1986;8(5):393–400

Blood–pleural fluid glucose and pleural fluid pH, pCO2 relationship. A report of 80 cases of heterogeneous population with the study after intravenous glucose. Limthongkul S, et al. **J Med Assoc Thai** 1986 Aug; 69(8):415–21

Acid glycosaminoglycans in experimental pleural effusions. Satoh K, et al. **Lung** 1987;165(4):191–9

The metabolic behaviour of the cellular populations in the pleural or peritoneal effusions from patients with malignant diseases. Mihăilescu E, et al. **Med Interne** 1986 Jul–Sep; 24(3):227–33

[Advantage of the measurement of multiple parameters for pleural effusion for the differential diagnosis of tuberculosis and carcinomatous pleurisy] Sun B. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):13–6, 61–2 (Eng. Abstr.) **(Chi)**

[Diagnostic value of the combined determination of carcinoembryonic antigen (CEA) in pleural effusion and serum with an enzyme immunoassay (EIA). Sensitivity, specificity and relation to tumor type] Klech H, et al. **Wien Klin Wochenschr** 1986 Sep 12;98(17):564–73 (Eng. Abstr.) **(Ger)**

[Diagnostic contribution of the determination of CEA, pH, glucose and lactase dehydrogenase in the pleural fluid in patients with mesothelioma] Rapellino M, et al. **Minerva Med** 1987 Mar 15;78(5):317–9 (Eng. Abstr.) **(Ita)**

[Studies on the pleural permeability of carmofur] Ito M, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1167–8 **(Jpn)**

[Prophylactic effects of cefmenoxime against postoperative infections after thoracotomy. Studies of cefmenoxime transfer from serum to pleural fluid and of clinical effects of cefmenoxime] Matsuura Y, et al. **Jpn J Antibiot** 1987 Feb;40(2):295–302 (Eng. Abstr.) **(Jpn)**

[Clindamycin–2–phosphate in the treatment of respiratory infections and its distribution into pleural effusion] Takamoto M, et al. **Jpn J Antibiot** 1987 Apr;40(4):727–34 (Eng. Abstr.) **(Jpn)**

[Induction of the human tumor necrosis factor (h-TNF) by the streptococcal preparation, OK-432—a clinical trial in 10 lung cancer patients with pleural fluid] Miyai M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1285–91 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Enhancement of antibiotic antibacterial activity by experimental pleural exudates. Miglioli PA, et al. **Drugs Exp Clin Res** 1987;13(3):161–6

Pleural effusion due to Rhodococcus equi [letter] LeBar WD, et al. **J Infect Dis** 1986 Nov;154(5):919–20

OCCURRENCE

Pleural effusion in the Department of Child Health, Medical School, University of North Sumatera/Dr. Pirngadi General Hospital Medan. Nafiah N, et al. **Paediatr Indones** 1987 Jan–Feb;27(1–2):15–9

PATHOLOGY

A morphologic analysis of the cells of ductal carcinoma of the breast and of adenocarcinoma of the ovary in pleural and abdominal effusions. Mallonee MM, et al. **Acta Cytol** 1987 Jul–Aug;31(4):441–7

Positive effusion cytology as the initial presentation of malignancy. Monte SA, et al. **Acta Cytol** 1987 Jul–Aug; 31(4):448–52

Pleural effusions in non-Hodgkin's lymphoma. A cytomorphologic, cytochemical and immunologic study. Das DK, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr; 31(2):119–24

Distribution pattern of concanavalin A on carcinoma cells, histiocytes and mesothelial cells from effusions. Lubiński J. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):99–103

Computerized interactive morphometry as an aid in the diagnosis of pleural effusions. Marchevsky AM, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):131–6

The cytologic diagnosis of malignant neoplasms in pleural and peritoneal effusions. Sears D, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr;31(2):85–97

Cytological and ultrastructural characteristics of DNA synthesizing mesothelial cells in pleural effusion. Isoda K, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1279–96

Sonographic guidance in diagnostic and therapeutic interventions in the pleural space. O'Moore PV, et al. **AJR** 1987 Jul;149(1):1–5

Malignant pleural effusions. A clinical cytopathologic study. Irani DR, et al. **Arch Intern Med** 1987 Jun;147(6):1133–6

Nuclear and cell area measurements in the cytological evaluation of pleural effusions: a study of subjective assessments and morphometric measurements. Christensen JA, et al. **Diagn Cytopathol** 1987 Mar;3(1):50–4

Cytologic detection of malignancy in pleural effusion: a review of 5,255 samples from 3,811 patients. Hsu C. **Diagn Cytopathol** 1987 Mar;3(1):8–12

Cytopathology of extramedullary hemopoiesis in effusions and peritoneal washings: a report of three cases with immunohistochemical study. Yazdi HM. **Diagn Cytopathol** 1986 Dec;2(4):326–9

The distinction of adenocarcinoma from malignant mesothelioma in cell blocks of effusions: the role of routine mucin histochemistry and immunohistochemical assessment of carcinoembryonic antigen, keratin proteins, epithelial membrane antigen, and milk fat globule-derived antigen. Cibas ES, et al. **Hum Pathol** 1987 Jan;18(1):67–74

Malignant pleural effusions. Prakash UB. **Postgrad Med** 1986 Oct;80(5):201–9

Distinction between cells in serous effusions using a panel of antibodies. Lauritzen AF. **Virchows Arch [A]** 1987; 411(3):299–304

[Application of an improved Abrams needle in pleural biopsy] Shen HF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):147–9, 189 (Eng. Abstr.) **(Chi)**

[Cultivation and clinical application of cancerous cells in the pleural effusion from a patient with breast cancer and establishment of an adenocarcinoma cell line BC 1217] Yang SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb; 86(2):124–30 (Eng. Abstr.) **(Chi)**

[Contribution of immunocytochemical marking of benign cells to the diagnosis of serous effusions] Gaulier A, et al. **Ann Pathol** 1986;6(4–5):323–8 (Eng. Abstr.) **(Fre)**

[Real-time controlled pleural puncture in surgical intensive care patients] Kohlberger E, et al. **Chirurg** 1987 Apr; 58(4):261–4 (Eng. Abstr.) **(Ger)**

[Prospective comparison of the diagnostic value of cytology and immunocytology in pleural effusion studied by thoracoscopy and biopsy] Neubauer A, et al. **Klin Wochenschr** 1987 May 4;65(9):400–6 (Eng. Abstr.) **(Ger)**

[Phagocytosis of blood cells in pleural effusions] Baumann UA, et al. **Schweiz Med Wochenschr** 1986 Sep 13; 116(37):1280–3 (Eng. Abstr.) **(Ger)**

[Cytodiagnosis and marker determination in pleural effusion] Odermatt BF, et al. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1709–16 (21 ref.) (Eng. Abstr.) **(Ger)**

[IgA-lambda plasma cell leukemia with gum infiltration and pleural effusion] Iseki T, et al. **Rinsho Ketsueki** 1987 Mar; 28(3):428–33 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma associated with gastric cancer, rectal cancer and myelomatous pleural effusion in the terminal stage] Matsubayashi Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2313–8 (Eng. Abstr.) **(Jpn)**

[A case of a 90-year-old woman with B-cell lymphoma presenting with pleural effusion and hemorrhagic pericardial effusion] Sakai Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2366–70 (Eng. Abstr.) **(Jpn)**

[Cutaneous tumoral implants by pleural puncture biopsy] Freire JA, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):313–4 **(Por)**

[Characteristics of the silver-stained nucleoli of tumor cells from the pleural fluid of lung cancer patients] Mamaev NN, et al. **Tsitologiia** 1987 Mar;29(3):303–8 (Eng. Abstr.) **(Rus)**

[Cytologic picture of rheumatoid pleural effusion] Roglić M, et al. **Lijec Vjesn** 1987 Apr–May;109(4–5):157–61 (Eng. Abstr.) **(Scr)**

[Diagnostic value of T and B lymphocytes in pleural effusion] Petrović B, et al. **Plucne Bolesti** 1986 Jul–Dec; 38(3–4):263–5 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Pleural effusion and diaphragmatic dysfunctions [letter] Rochester DF. **Chest** 1987 Jan;91(1):154

The dynamics of pleural liquid estimated through urea clearance. Nakamura T, et al. **Jpn J Med** 1986 Aug; 25(3):257–62

PREVENTION & CONTROL

Postoperative mechanical ventilation preventing the occurrence of pleural effusion after hepatectomy. Matsumata T, et al. **Surgery** 1987 Sep;102(3):493–7

RADIOGRAPHY

Detection of pleural effusions on supine chest radiographs. Ruskin JA, et al. **AJR** 1987 Apr;148(4):681–3

Detection of pleural effusion on supine chest radiographs [letter] Woodring JH. **AJR** 1987 Oct;149(4):858–9

Pseudo-tumours of the liver on computed tomographic (CT) scanning caused by adjacent ascitic or pleural fluid. Allison MC, et al. **Australas Radiol** 1987 May;31(2):183–5

Polishing over yellow nails. Goldstein GD, et al. **Chest** 1986 Nov;90(5):766–7

The prognostic value of loculations in parapneumonic pleural effusions. Himelman RB, et al. **Chest** 1986 Dec;90(6):852–6

Acute pleuritic chest pain with pleural effusion and plate atelectasis. Familial Mediterranean fever (periodic disease). el-Kassimi FA. **Chest** 1987 Feb;91(2):265–6

Perfusion of collapsed lung in the presence of a pleural effusion [letter] Bell J, et al. **Clin Radiol** 1987 Mar; 38(2):213–4

Computed tomography of free pleural effusions. Maffessanti M, et al. **Eur J Radiol** 1987 May;7(2):87–90

Pleural effusions in the postpartum period. Stark P, et al. **Radiologe** 1986 Oct;26(10):471–3

[Thoracic CT: diagnosis of the pleura and thoracic wall lesions] Kubota H, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1357–70 (59 ref.) **(Jpn)**

RADIONUCLIDE IMAGING

Intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging. Shih WJ, et al. **Clin Nucl Med** 1986 Nov;11(11):792–6

[99mTc-MDP uptake in malignant pleural and peritoneal effusions] Shinozuka A, et al. **Rinsho Hoshasen** 1986 Oct; 31(10):1129–30 **(Jpn)**

SURGERY

Pleuroperitoneal shunting for malignant pleural effusions. Little AG, et al. **Cancer** 1986 Dec 15;58(12):2740–3

Pleuroperitoneal shunting for recalcitrant pleural effusions. Cimochowski GE, et al. **J Thorac Cardiovasc Surg** 1986 Nov;92(5):866–70

Percutaneous drainage of infected and noninfected thoracic fluid collections. Stavas J, et al. **J Thorac Imaging** 1987 Jul;2(3):80–7

A simplified technique for the treatment of simple pleural effusions. Wood RP, et al. **Surg Gynecol Obstet** 1987 Mar; 164(3):283–4

THERAPY

Pleurodesis—testing the waters [editorial] Antony VB. **Am Rev Respir Dis** 1987 Apr;135(4):775–6

Ultrasonography and thoracentesis [letter] Hall FM. **Am Rev Respir Dis** 1987 Apr;135(4):983

Symptomatic treatment of recurrent malignant pleural effusions with intrapleurally administered Corynebacterium parvum. Clinical response is not associated with evidence of enhancement of local cellular-mediated immunity. Rossi GA, et al. **Am Rev Respir Dis** 1987 Apr;135(4):885–90

Pleural aspiration with a central venous catheter [letter] Cooper CM. **Anaesthesia** 1987 Feb;42(2):217

Effective treatment of malignant pleural effusions. Fentiman IS. **Br J Hosp Med** 1987 May;37(5):421, 424–8

A comparison of intracavitary talc and tetracycline for the control of pleural effusions secondary to breast cancer. Fentiman IS, et al. **Eur J Cancer Clin Oncol** 1986 Sep; 22(9):1079–81

Corynebacterium parvum in malignant pleural effusion. A randomized prospective study. Hillerdal G, et al. **Eur J Respir Dis** 1986 Sep;69(3):204–6

Intestinal lymphangiectasia and bilateral pleural effusions: effect of dietary therapy and surgical intervention on immunologic and pulmonary parameters. Lester LA, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):891–7

The pleuro-peritoneal shunt for intractable pleural effusion: a case report. Prioleau WH Jr, et al. **J SC Med Assoc** 1986 Nov;82(11):692–3

Intrapleural tetracycline in the treatment of malignant pleural effusions. Dunkel TB. **Minn Med** 1986 Dec;69(12):717–9, 725

Clinical experience with tetracycline pleurodesis of malignant pleural effusions. Sherman S, et al. **South Med J** 1987 Jun; 80(6):716–9

[Mediastinal dislocation accentuated by initiation of pleural drainage] Bloch AV, et al. **Ugeskr Laeger** 1986 Sep 8; 148(37):2355–6 (Eng. Abstr.) **(Dan)**

[Morphological changes in rabbit pleura induced by Lactobacillus casei (LC9018)] Nakata M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2381–4 (Eng. Abstr.) **(Jpn)**

[Adoptive immunotherapy of cancer patients with lymphokine-activated killer cells] Taguchi T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):914–21 (Eng. Abstr.) **(Jpn)**

[2 cases of "intrathoracic hyperthermia" as a new technic in the treatment of malignant pleural effusion] Inaoka M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar; 35(3):405–10 (Eng. Abstr.) **(Jpn)**

[The pleurocath (letter)] Rami Porta R, et al. **Rev Clin Esp** 1986 Oct;179(5):278–9 **(Spa)**

VETERINARY

Pleural effusions. Christopher MM. **Vet Clin North Am [Small Anim Pract]** 1987 Mar; 17(2):255–70 (16 ref.)

PLEURAL NEOPLASMS

[Malignant pleuramesothelioma] Francis D, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):779–80 (Eng. Abstr.) **(Dan)**

[An operative case of mediastinal metastasis of primary pleural melanoma] Takeda S, et al. **Kyobu Geka** 1987 Jun; 40(7):577–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Placental protein 10: levels in benign and malignant ovarian cyst fluids and pleural exudates. Than G, et al. **Arch Gynecol** 1987;240(2):115–8

Immunohistochemical evaluation of ras oncogene expression in pulmonary and pleural neoplasms. Lee I, et al. **Virchows Arch [B]** 1987;53(3):146–52

BLOOD

Electrolyte changes in mesothelioma. Ribak J, et al. **Br J Dis Chest** 1986 Jul;80(3):280–2

Serum hyaluronate in malignant pleural mesothelioma. Frebourg T, et al. **Cancer** 1987 Jun 15;59(12):2104–7

CHEMICALLY INDUCED

Chrysotile asbestos exposure and mesothelioma [letter] Huncharek M. **Br J Ind Med** 1987 Apr;44(4):287–8

Current pathogenetic concepts of diffuse malignant mesothelioma. Craighead JE. **Hum Pathol** 1987 Jun; 18(6):544–57 (107 ref.)

[Asbestos-induced cancer in Denmark] Olsen JH, et al. **Ugeskr Laeger** 1986 Dec 1;148(49):3328–33 (Eng. Abstr.) **(Dan)**

[Evaluation of the carcinogenicity of the respirable dust of Bulgarian anthophyllite asbestos] Pylev LN, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):54–6 **(Rus)**

COMPLICATIONS

Thrombocytosis in patients with malignant pleural mesothelioma. Nakano T, et al. **Cancer** 1986 Oct 15; 58(8):1699–701

Localized fibrous mesothelioma in the postpartum period. Rosenthal TC. **J Fam Pract** 1987 Aug;25(2):174–5

DIAGNOSIS

Pleural endometriosis: CT and sonographic findings. Im JG, et al. **AJR** 1987 Mar;148(3):523–4

Imaging primary lung cancers, pleural cancers, and metastatic disease. Chasen MH. **CA** 1987 Jul–Aug;37(4):194–210 (28 ref.)

Immunohistochemical and histochemical markers of primary lung cancer, lung metastases, and pleural mesotheliomas. Popper H, et al. **Cancer Detect Prev** 1987;10(3–4):167–74

Cytologic detection of malignancy in pleural effusion: a review of 5,255 samples from 3,811 patients. Hsu C. **Diagn Cytopathol** 1987 Mar;3(1):8–12

The use of immunoperoxidase panels for the cytologic diagnosis of malignancy in serous effusions. Silverman JF, et al. **Diagn Cytopathol** 1987 Jun;3(2):134–40

Localised benign mesothelioma of pleura presenting as rapidly accumulating massive pleural effusion. Dhar SN, et al. **Indian J Chest Dis Allied Sci** 1986 Jul–Sep;28(3):163–5

Diagnostic histochemical and immunohistochemical studies in malignant mesothelioma. Lucas JG, et al. **J Surg Oncol** 1987 May;35(1):30–4

Ultrasonography in the evaluation of pleural pathology. De Gaetano AM, et al. **Rays** 1986 Jan-Apr;11(1):97-102
Accuracy of diagnostic procedures in the initial evaluation and follow-up of mesothelioma patients. Stranking WF, et al. **Respiration** 1987;51(3):179-87
Localized benign mesothelioma of the pleura: case report and review of the literature. Seggewiss H, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):330-2
Tissue polypeptide antigen (TPA) in pleural effusions. Parazzi F, et al. **Tumori** 1987 Feb 28;73(1):33-6
[Pleural mesothelioma. From neglect to passion] Chahinian AP. **Presse Med** 1986 Nov 8;15(39):1949-51 **(Fre)**
[Immunohistochemical studies for the differential diagnosis of primary and secondary pleural tumors] Friemann J, et al. **Verh Dtsch Ges Pathol** 1986;70:311-6 (Eng. Abstr.) **(Ger)**
[Tumor markers in the differential diagnosis of malignant lung and pleura tumors] Popper H, et al. **Verh Dtsch Ges Pathol** 1986;70:317-20 (Eng. Abstr.) **(Ger)**
[Immunopathology of diffuse malignant mesothelioma] Stosiek P, et al. **Zentralbl Allg Pathol** 1986;132(2):119-28 (Eng. Abstr.) **(Ger)**
[Diagnosis, therapy and prognosis of malignant mesothelioma of the pleura] Károlyi A, et al. **Orv Hetil** 1986 Sep 7; 127(36):2177-83 (Eng. Abstr.) **(Hun)**
[Diagnostic contribution of the determination of CEA, pH, glucose and lactase dehydrogenase in the pleural fluid in patients with mesothelioma] Rapellino M, et al. **Minerva Med** 1987 Mar 15;78(5):317-9 (Eng. Abstr.) **(Ita)**
[Malignant mesothelioma of the pleura. Retrospective clinical evaluation of 22 cases] de Pangher Manzini V. **Recenti Prog Med** 1987 May;78(5):220-3 (Eng. Abstr.) **(Ita)**
[Adenosine deaminase activity and isozymes in pleural effusion: an aid to differential diagnosis between carcinomatous and tuberculous pleurisy] Kurata N, et al. **Rinsho Byori** 1987 Feb;35(2):192-6 **(Jpn)**
[Mesothelioma involving the pericardium: diagnostic difficulties] Szturmowicz M, et al. **Pol Tyg Lek** 1986 Oct 13;41(41):1325-8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Diffuse malignant mesothelioma of the pleura--intrapleural treatment with doxorubicin. Matzel W, et al. **Arch Geschwulstforsch** 1987;57(3):209-18
Chemotherapy for carcinomatous peritonitis and pleuritis with MMC-CH, mitomycin C adsorbed on activated carbon particles. Clinical trials. Hagiwara A, et al. **Cancer** 1987 Jan 15;59(2):245-51
A phase II study of the platinum analogues JM8 and JM9 in malignant pleural mesothelioma. Cantwell BM, et al. **Cancer Chemother Pharmacol** 1986;18(3):286-8
Phase II trial of carboplatin (JM8) in treatment of patients with malignant mesothelioma. Mbidde EK, et al. **Cancer Chemother Pharmacol** 1986;18(3):284-5
Phase II trial of mitomycin in malignant mesothelioma. Bajorin D, et al. **Cancer Treat Rep** 1987 Sep;71(9):857-8
Phase II trial of vindesine in malignant pleural mesothelioma. Boutin C, et al. **Cancer Treat Rep** 1987 Feb;71(2):205-6
Phase II trial of acivicin in malignant mesothelioma. Falkson G, et al. **Cancer Treat Rep** 1987 May;71(5):545-6
Randomized comparison of cyclophosphamide, imidazole carboxamide, and adriamycin versus cyclophosphamide and adriamycin in patients with advanced stage malignant mesothelioma: a Sarcoma Intergroup Study. Samson MK, et al. **J Clin Oncol** 1987 Jan;5(1):86-91
Pleura carcinosis. Cytomorphological findings with the mistletoe preparation iscador and other pharmaceuticals. Salzer G. **Oncology** 1986;43 Suppl 1:66-70
[Use of intrapleural doxycycline via lavage-drainage in recurrent effusions of neoplastic origin] Muir JF, et al. **Rev Mal Respir** 1987;4(1):29-33 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Enzyme pathology of human mesotheliomas. Greengard O, et al. **JNCI** 1987 Apr;78(4):617-22

ETIOLOGY

Asbestos-related mesothelioma risk among railroad workers [letter] Huncharek M. **Am Rev Respir Dis** 1987 Apr; 135(4):983-4
Diseases associated with the inhalation of asbestos dust. Davies CN. **Arh Hig Rada Toksikol** 1986 Jun;37(2):253-74 (75 ref.)
Studies on surface properties of asbestos. II. Role of dimensional characteristics and surface properties of mineral fibers in the induction of pleural tumors. Bonneau L, et al. **Environ Res** 1986 Oct;41(1):268-75
Mesothelioma in the Republic of Ireland: a review in the context of new E.E.C. legislation. Howell F, et al. **Ir Med J** 1987 Mar;80(3):89-91
Association of Metsovo lung and pleural mesothelioma with exposure to tremolite-containing whitewash. Langer AM, et al. **Lancet** 1987 Apr 25;1(8539):965-7
[Evaluation of 15 malignant mesothelioma patients from the aspect of clinical findings and pathology--relationship between asbestos and malignant mesothelioma] Kishimoto T, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):586-7 **(Jpn)**
[Study of precancerous changes in the rat pleural mesothelium following exposure to asbestos using scanning electron microscopy] Vasil'eva LA, et al. **Eksp Onkol** 1986; 8(4):34-7 (Eng. Abstr.) **(Rus)**
[Incidence of pleural mesothelioma after exposure to chrysotile and asbestos dust] Kogan FM, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):9-12 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Malignant mesothelioma diagnosed by cytogenetic study (letter)] Avilés Inglés MJ, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):609-10 **(Spa)**

IMMUNOLOGY

[Analysis of lymphocyte subsets of peripheral blood and pleural effusion in patients with tuberculous pleurisy or carcinomatous pleurisy] Nakamura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):785-91 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Determination of lactate and granulocyte elastase can be useful in the diagnosis of pleuritis] Ripe E, et al. **Lakartidningen** 1987 May 13;84(20):1759-62 (Eng. Abstr.) **(Swe)**

MORTALITY

Geographic patterns for pleural mesothelioma deaths in the United States, 1968-81. Enterline PE, et al. **JNCI** 1987 Jul;79(1):31-7
Trends in mortality from malignant mesothelioma of the pleura [letter] Armstrong BK. **Med J Aust** 1986 Mar 3; 144(5):280
Identifying mesotheliomas on death certificates [letter] Percy C. **Public Health Rep** 1986 Sep-Oct;101(5):457
Notifiable malignant lesions in the RSA, 1979-1983--trends and mortality. II. Primary malignant neoplasms of the pleura. van Rensburg AB. **S Afr Med J** 1987 Aug 1; 72(3):182-4

OCCURRENCE

Demographic patterns for mesothelioma in the United States. Connelly RR, et al. **JNCI** 1987 Jun;78(6):1053-60

PARASITOLOGY

Characterization of a human malignant mesothelioma cell line (H-MESO-1): a biphasic solid and ascitic tumor model. Reale FR, et al. **Cancer Res** 1987 Jun 15;47(12):3199-205

PATHOLOGY

Liposarcoma of pleural cavity with recurrence as malignant fibrous histiocytoma. McGregor DH, et al. **Ann Clin Lab Sci** 1987 Mar-Apr;17(2):83-92
Benign and malignant mesothelial lesions of the pleura: quantitative study. Ranaldi R, et al. **Appl Pathol** 1986; 4(1-2):55-64
Unusual microscopic forms of experimental mesotheliomas. Topov J, et al. **Arch Geschwulstforsch** 1987;57(3):181-6
Malignant mesotheliomas with osseous and cartilaginous differentiation. Yousem SA, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):62-6
In vitro growth characteristics of rat mesothelioma cells in culture. Jaurand MC, et al. **Biol Cell** 1986;57(3):249-56
Multicentric reticulohistiocytosis. Coupe MO, et al. **Br J Dermatol** 1987 Feb;116(2):245-7
Diagnosis of malignant pleural mesothelioma by axillary lymph node biopsy. Kim SB, et al. **Chest** 1987 Feb; 91(2):279-81
Regression of a malignant tumour of the pleura. Maesen F, et al. **Eur J Respir Dis** 1987 Aug;71(2):135-8
Malignant disease of the pleura: a histopathological study with special emphasis on diagnostic criteria and differentiation from reactive mesothelium. Tuder RM. **Histopathology** 1986 Aug;10(8):851-65
Malignant mesothelioma: a case report from an area with endemic pleural calcification [letter] Sichletidis L, et al. **JAMA** 1987 Sep 18;258(11):1478
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 23-1987. A 61-year-old woman with a left pleural effusion and a reticulonodular pulmonary infiltrate. **N Engl J Med** 1987 Jun 4; 316(23):1462-70
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 4-1987. A 50-year-old man with recurrent pleuro-pulmonary abnormalities. **N Engl J Med** 1987 Jan 22;316(4):198-208
Metastatic spread of malignant pleural mesothelioma. Bindi M, et al. **Rays** 1985 May-Aug;10(2):131-6
The cytologic diagnosis of mesothelioma. Ehya H. **Semin Diagn Pathol** 1986 Aug;3(3):196-203
Histologic confirmation of recurrent Hodgkin's disease by percutaneous pleural biopsy. Johnson K, et al. **Wis Med J** 1986 Dec;85(12):9-10
[Primary localized pleural tumors] Bellenot F, et al. **Ann Chir** 1986 Nov;40(8):565-71 (Eng. Abstr.) **(Fre)**
[Localized benign fibrous tumors of the pleura. Anatomo-clinical and immunohistochemical study of 6 cases] de Mascarel A, et al. **Arch Anat Cytol Pathol** 1986; 34(4):204-8 (Eng. Abstr.) **(Fre)**
[Prospective comparison of the diagnostic value of cytology and immunocytology in pleural effusion studied by thoracoscopy and biopsy] Neubauer A, et al. **Klin Wochenschr** 1987 May 4;65(9):400-6 (Eng. Abstr.) **(Ger)**
[Cytodiagnosis and marker determination in pleural effusion] Odermatt BF, et al. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1709-16 (21 ref.) (Eng. Abstr.) **(Ger)**
[A case of successfully resected giant hemangiomatous lesion in the thoracic cavity] Iuchi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):528-32 (Eng. Abstr.) **(Jpn)**
[Cortico-pleural cancer] Chuchalin AG, et al. **Klin Med (Mosk)** 1986 Nov;64(11):109-13 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Cardiac abnormalities in patients with diffuse malignant pleural mesothelioma. Wadler S, et al. **Cancer** 1986 Dec 15;58(12):2744-50

RADIOGRAPHY

Computed tomography of pleural lesions with special reference to the mediastinal pleura. Salonen O, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep-Oct;27(5):527-31
Non-malignant chest x ray changes in patients with mesothelioma in a large cohort of asbestos insulation workers. Lilis R, et al. **Br J Ind Med** 1987 Jun;44(6):402-6
A young woman with apparent increase in the transverse cardiac diameter. Lam WK, et al. **Chest** 1986 Oct; 90(4):595-6
CT findings in localized fibrous mesothelioma of the pleural fissure. Spizarny DL, et al. **J Comput Assist Tomogr** 1986 Nov-Dec;10(6):942-4
[Pleural involvement caused by contiguity or metastases in primary malignant bone tumors in children] Marchal AL, et al. **J Radiol** 1986 Apr;67(4):303-7 (Eng. Abstr.) **(Fre)**
[Radiologic diagnosis of benign fibrous pleural mesotheliomas] Krug B, et al. **ROFO** 1986 Sep;145(3):343-5 **(Ger)**
[A case of malignant pleural mesothelioma showing a lower lung field mass shadow in a construction worker using asbestos] Shishido S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):810-6 (Eng. Abstr.) **(Jpn)**
[X-ray diagnosis of primary malignant pleural tumors] Kondrashova LN. **Vestn Rentgenol Radiol** 1987 Mar-Apr; (2):42-7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Extraosseous 99mTc-MDP uptake in squamous cell carcinoma of the pleura [published erratum appears in Diabetologia 1987 May;30(5):364] Garty I, et al. **Eur J Nucl Med** 1987;12(12):589-91

SECONDARY

Analysis of adenomatous structures in histopathology. Kayser KK, et al. **Anal Quant Cytol Histol** 1987 Jun;9(3):273-8
Estrogen and progesterone receptors in neoplastic cells of metastatic pleural effusion of breast carcinoma before and after tamoxifen therapy. Correlation with the clinical response. Di Lorenzo D, et al. **Chemioterapia** 1986 Aug; 5(4):232-6
Bilateral talc pleurodesis in metastatic pneumothorax [letter] Bourke S, et al. **Chest** 1987 Sep;92(3):576
Echocardiographic evidence of intrathoracic masses due to localized blast crisis in a patient affected by chronic granulocytic leukemia. Mancuso L, et al. **Clin Cardiol** 1986 Sep;9(9):461-3
Correlation of breast cancer metastases in chest X-rays to symptoms and survival. Virkkunen P, et al. **Strahlenther Onkol** 1987 May;163(5):305-8
Metastasis of cancer to cancer. A case of breast carcinoma metastasizing to a malignant mesothelioma. Andersen HJ, et al. **Thorac Cardiovasc Surg** 1986 Aug;34(4):258-9
Apparently nonfunctioning metastases of parathyroid carcinoma. Manente P, et al. **Tumori** 1987 Apr 30; 73(2):191-3
[Factors linked to the development of pleuro-pulmonary metastases in breast cancer. Preliminary study] Lê MG, et al. **Bull Cancer (Paris)** 1987;74(1):31-4 (Eng. Abstr.) **(Fre)**
[Pulmonary and pleural metastases in malignant melanoma] Wiebe T, et al. **Z Erkr Atmungsorgane** 1986; 167(1-2):145-51 (Eng. Abstr.) **(Ger)**

SURGERY

Extrapleural pneumonectomy for diffuse, malignant mesothelioma. DaValle MJ, et al. **Ann Thorac Surg** 1986 Dec;42(6):612-8
Diffuse malignant mesothelioma: a therapeutic dilemma [editorial] Ginsberg RJ. **Ann Thorac Surg** 1986 Dec; 42(6):608
Pleural mesothelioma. Martini N, et al. **Ann Thorac Surg** 1987 Jan;43(1):113-20 (19 ref.)
[Recurrence of a benign pleural mesothelioma 18 years after excision. Review of a series of 33 patients with a primary tumor of the pleura from 1958 to 1986] Vischoff D, et al. **J Chir (Paris)** 1986 Dec;123(12):700-3 (Eng. Abstr.) **(Fre)**

[Heart dislocation following extensive lung resection with partial pericardial resection] Groh J, et al. **Anaesthesist** 1987 Apr;36(4):182–4 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of benign pleural mesothelioma. A case report] Kienzle HF, et al. **Chirurg** 1987 Mar; 58(3):158–62 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma. A bi-institutional study of 47 cases. Otis CN, et al. **Am J Surg Pathol** 1987 Jun; 11(6):445–56

Primary malignant fibrous histiocytoma of the pleura. A case report. Sforza V, et al. **Appl Pathol** 1986;4(3):162–9

The distinction of adenocarcinoma from malignant mesothelioma in cell blocks of effusions: the role of routine mucin histochemistry and immunohistochemical assessment of carcinoembryonic antigen, keratin proteins, epithelial membrane antigen, and milk fat globule-derived antigen. Cibas ES, et al. **Hum Pathol** 1987 Jan;18(1):67–74

VETERINARY

[Epidemiologic study of spontaneous mesothelioma in dogs: its possible usefulness in reference to human pathology] Mirabella F. **Med Lav** 1987 Jan–Feb;78(1):28–32 (Eng. Abstr.) **(Ita)**

PLEURAL RUB see **RESPIRATORY SOUNDS**

PLEURISY

CHEMICALLY INDUCED

Amiodarone pulmonary toxicity presenting as bilateral exudative pleural effusions. Gonzalez-Rothi RJ, et al. **Chest** 1987 Jul;92(1):179–82

COMPLICATIONS

[Primary biliary cirrhosis associated with autoimmune thrombopenic purpura and pleuropericarditis (letter)] Calès P, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):518 **(Fre)**

[Six cases of non-Hodgkin's lymphoma with pyothorax or chronic pleuritis] Iuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul; 24(7):798–803 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Exudative pleurisy in viral infection. Preliminary evaluation of diagnostic possibilities] Kruszewski J, et al. **Pneumonol Pol** 1986 Dec;54(12):552–5 (Eng. Abstr.) **(Pol)**

[Ways of improving the etiologic diagnosis of acute pneumonia and pleurisy in children] Katosova LK, et al. **Pediatriia** 1987;(1):9–13 (Eng. Abstr.) **(Rus)**

[Interlobar pleurisy] Anastas'ev VS. **Probl Tuberk** 1986; (12):39–41 (Eng. Abstr.) **(Rus)**

[Prothrombin index of the pleural effusion in tuberculosis and other diseases] Grigorian VG, et al. **Probl Tuberk** 1987; (3):63–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Chemotherapy for carcinomatous peritonitis and pleuritis with MMC-CH, mitomycin C adsorbed on activated carbon particles. Clinical trials. Hagiwara A, et al. **Cancer** 1987 Jan 15;59(2):245–51

[Intrapleural chemotherapy with cisplatin and adriamycin in lung cancer with carcinomatous pleuritis] Fujii M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3203–6 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Uremic pleuritis. Maher JF. **Am J Kidney Dis** 1987 Jul; 10(1):19–22 (27 ref.)

Meconium pleuritis: cytologic diagnosis in a neonate with perforated sigmoid colon and diaphragmatic hernia. Silverman JF, et al. **Pediatr Pathol** 1986;6(2–3):325–33

[Purulent pleurisy caused by Eikenella corrodens (letter)] Diot P, et al. **Presse Med** 1987 Jun 6;16(21):1055 **(Fre)**

[Clinical case. Rheumatoid pleuropericarditis] Carretta R, et al. **G Clin Med** 1987 Jan;68(1):49–50 **(Ita)**

[Pulmonaro-pleural complications in indirect pancreatopleural fistula] Karagiulian RG. **Khirurgiia (Mosk)** 1987 Mar;(3):90–3 **(Rus)**

[Etiology of chylous pleuritis] Trofimov GA, et al. **Klin Med (Mosk)** 1986 Jul;64(7):136–7 **(Rus)**

[Etiology of synpneumonic pleurisy and the development of pulmonary destruction] Manerov FK, et al. **Pediatriia** 1987; (1):13–7 (Eng. Abstr.) **(Rus)**

[Determining the etiology of pleurisy by puncture biopsy of the pleura] Slugin SP. **Probl Tuberk** 1987;(6):25–7 (Eng. Abstr.) **(Rus)**

[Etiology and therapy of interlobar pleuritis] Zhingel' IP. **Probl Tuberk** 1986;(7):17–20 (Eng. Abstr.) **(Rus)**

[A case of recurrent exudative pleurisy as the onset of systemic lupus erythematosus] Mosin VO. **Ter Arkh** 1987; 59(4):139 **(Rus)**

[Etiology of exudative pleurisy] Berezovskiĭ BA, et al. **Vrach Delo** 1987 May;(5):91–2 (Eng. Abstr.) **(Rus)**

[Benign pleurisy caused by asbestos] Rodríguez Roisín R, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):809–11 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

NK cells in carcinomatous and tuberculous pleurisy. Phenotypic and functional analyses of NK cells in peripheral blood and pleural effusions. Okubo Y, et al. **Chest** 1987 Sep;92(3):500–4

METABOLISM

Placental protein 10: levels in benign and malignant ovarian cyst fluids and pleural exudates. Than G, et al. **Arch Gynecol** 1987;240(2):115–8

[Determination of lactate and granulocyte elastase can be useful in the diagnosis of pleuritis] Ripe E, et al. **Lakartidningen** 1987 May 13;84(20):1759–62 (Eng. Abstr.) **(Swe)**

MICROBIOLOGY

Explosive pleuritis. Manifestation of group A beta-hemolytic streptococcal infection. Braman SS, et al. **Am J Med** 1986 Oct;81(4):723–6

OCCURRENCE

[Pleurisy registered as active cases or as follow-up cases between 1974 and 1983] Golli V, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):275–6 **(Rum)**

PATHOLOGY

Uremic pleuritis—clinicopathological analysis of 26 autopsy cases. Isoda K, et al. **Bull Osaka Med Sch** 1984 Oct; 30(2):73–80

Exogenous particles in lymph nodes in patients with shrinking pleuritis with atelectasis [letter] Morcos SK. **Thorax** 1986 Aug;41(8):655

PHYSIOPATHOLOGY

Early inflammatory response to carrageenan in the pleural cavity and paw of rats with altered body temperature. Thomas G, et al. **J Pharm Pharmacol** 1986 Dec; 38(12):936–8

Roles of leukotrienes in two rat allergic inflammatory models; IgE-mediated and IgG-antigen complex-induced pleurisies. Tanaka K, et al. **Prostaglandins** 1986 Jun; 31(6):1099–116

[Mechanoreceptor sensitivity in the mucosa of the respiratory tract and pleura in cats with carrageenan pleuritis] Giačová D, et al. **Bratisl Lek Listy** 1987 Jan;87(1):24–31 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

Suppression of phorbol myristate acetate-induced pleurisy by CV-3988, an antagonist of platelet-activating factor. Oh-ishi S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4896–8

Anti-inflammatory activity of IFN-beta in carrageenan-induced pleurisy in the mouse. Ghiara P, et al. **Clin Exp Immunol** 1986 Dec;66(3):606–14

RADIOGRAPHY

[CT findings in 53 cases of carcinomatous pleuritis—loculation of the pleural space] Fukuda Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):652–9 (Eng. Abstr.) **(Jpn)**

THERAPY

Induction of lymphokine-activated killer cells by intrapleural instillations of recombinant interleukin-2 in patients with malignant pleurisy due to lung cancer. Yasumoto K, et al. **Cancer Res** 1987 Apr 15;47(8):2184–7

[Pleurisy in blood diseases: value of thoracoscopic poudrage] Viallat JR, et al. **Rev Pneumol Clin** 1986;42(6):274–8 (Eng. Abstr.) **(Fre)**

[Extensive endurance training in post-acute treatment of pleurisy. A conservative method for improving lung function and anatomic lesions] Flicker M, et al. **Prax Klin Pneumol** 1987 Jun;41(6):211–8 (Eng. Abstr.) **(Ger)**

VETERINARY

Pleuritis and pneumonia attributed to a conifer twig in a bronchus of a horse. Hultgren BD, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):797–8

Septic pleuritis associated with an inhaled foreign body in a pony. O'Brien JK. **Vet Rec** 1986 Sep 13;119(11):274–5

PLEURODELES see under **SALAMANDRIDAE**

PLEURODYNIA, EPIDEMIC

COMPLICATIONS

[Thoracic pain, febrile status] Hany S, et al. **Schweiz Rundsch Med Prax** 1986 Sep 16;75(38):1118–21 (Eng. Abstr.) **(Ger)**

PLEURODYNIA VIRUS see **COXSACKIE B VIRUSES**

PLEURONECTIFORMES see **FLATFISHES**

PLEUROPNEUMONIA

COMPLICATIONS

Asthma, eosinophilic pleuropneumonia, and pericarditis without vasculitis. Van den Bosch JM, et al. **Thorax** 1986 Jul;41(7):571–2

ETIOLOGY

[Pleuropulmonary infection caused by Mycobacterium smegmatis. Case description and literature review] Vonmoos S, et al. **Schweiz Med Wochenschr** 1986 Dec 27; 116(52):1852–6 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Atypical roentgen patterns in pleuropneumonia] Milovanović M, et al. **Plucne Bolesti** 1986 Jan–Mar; 38(1):54–7 (Eng. Abstr.) **(Scr)**

VETERINARY

Serological characterization of Actinobacillus pleuropneumoniae strains and proposal of a new serotype: serotype 12. Nielsen R. **Acta Vet Scand** 1986;27(3):453–5

Role of haemophilus pleuropneumoniae lipopolysaccharide endotoxin in the pathogenesis of porcine Haemophilus pleuropneumonia. Udeze FA, et al. **Am J Vet Res** 1987 May;48(5):768–73

Acute inflammatory effects of intratracheally instilled Escherichia coli endotoxin and sonicated suspension of Haemophilus pleuropneumoniae in swine. Liggett AD, et al. **Can J Vet Res** 1986 Oct;50(4):526–31

Species specificity of Haemophilus pleuropneumoniae hemolysin demonstrated in the cytocidal and anti-phagocytic effects. Kume K, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):993–7

Bacteriological, serological, and pathological examinations of Haemophilus pleuropneumoniae infection in 200 slaughtered pigs. Kume K, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):965–70

Sequential study of lesion development in experimental haemophilus pleuropneumonia. Liggett AD, et al. **Res Vet Sci** 1987 Mar;42(2):204–12

Protective efficacy of capsule extracts of Haemophilus pleuropneumoniae in pigs and mice. Rosendal S, et al. **Vet Microbiol** 1986 Sep;12(3):229–40

PLEUROPNEUMONIA, CONTAGIOUS see under **MYCOPLASMA INFECTIONS**

PLEUROPNEUMONIA-LIKE ORGANISMS see **MYCOPLASMA**

PLOIDIES

Hydatidiform mole: cytogenetically unusual cases and their implications for the present classification. Vejerslev LO, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):180–4

Influence of tumor cell DNA ploidy on the natural history of rectal cancer. Chang KJ, et al. **Am J Surg** 1987 Feb; 153(2):184–8

Significance of ploidy in laryngeal cancer. Goldsmith MM, et al. **Am J Surg** 1986 Oct;152(4):396–402

Proceedings of the International Conference on Advances in Morphometry and Ploidy Determination. Bethesda, Maryland, September 18–21, 1985. **Anal Quant Cytol Histol** 1987 Mar;9(1):1–78

Proceedings of the International Symposium on Advances in Morphometry and Ploidy Determination. Washington, D.C., September 18–21, 1985. **Anal Quant Cytol Histol** 1987 May;9(2):79–187

Ploidy of endothelium in high-grade astrocytomas. Davenport RD, et al. **Anal Quant Cytol Histol** 1987 Mar; 9(1):25–9

Preparatory methods for DNA hydrolysis, cytochemistry, immunocytochemistry and ploidy analysis. Their application to automated and routine diagnostic cytopathology. Husain OA, et al. **Anal Quant Cytol Histol** 1987 Jun;9(3):218–24

Discrimination of DNA ploidy patterns by order statistics. Weber JE, et al. **Anal Quant Cytol Histol** 1987 Mar; 9(1):60–8

Flow cytometric determination of ploidy and proliferative activity on isolated bone marrow particles and on total bone marrow aspirate. Ucci G, et al. **Basic Appl Histochem** 1987;31(1):83–90

Regulation of thrombopoiesis: effects of the degree of thrombocytopenia on megakaryocyte ploidy and platelet volume. Corash L, et al. **Blood** 1987 Jul;70(1):177–85

Flow cytometric analysis of the DNA content of gastric cancer. Ballantyne KC, et al. **Br J Cancer** 1987 Jul; 56(1):52–4

Nuclear DNA content and prognosis in human breast cancer: a static cytophotometric study. Harvey J, et al. **Breast Cancer Res Treat** 1987;9(2):101–9

Ploidy assessment of benign and malignant ovarian tumors by flow cytometry. A clinicopathologic study. Iversen OE, et al. **Cancer** 1987 Jul 1;60(1):82–7

DNA ploidy in clinical malignant gastric lesions less than 5 mm in diameter. Korenaga D, et al. **Cancer** 1986 Dec

1;58(11):2542–5
DNA aneuploidy in adult acute leukemia. Barlogie B, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):213–28
Cytogenetic analysis in human breast carcinoma. II. Seven cases in the triploid/tetraploid range investigated using direct preparations. Hill SM, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):45–62
Live haploid–diploid and other unusual mosaic chickens (Gallus domesticus). Thorne MH, et al. **Cytogenet Cell Genet** 1987;45(1):21–5
DNA ploidy and survival in breast cancer patients. Cornelisse CJ, et al. **Cytometry** 1987 Mar;8(2):225–34
A method for determining ploidy distributions in liver tissue by stereological analysis of nuclear size calibrated by flow cytometric DNA analysis. Danielsen H, et al. **Cytometry** 1986 Sep;7(5):475–80
Flow cytometry reveals a high degree of genomic size variation and mixoploidy in various strains of the acellular slime mold Physarum polycephalum. Kubbies M, et al. **Cytometry** 1986 Sep;7(5):481–5
Cytometry of breast carcinoma: significance of ploidy balance and proliferation index. Opfermann M, et al. **Cytometry** 1987 Mar;8(2):217–24
Polysomy of chromosome 7 is correlated with overexpression of the erbB oncogene in human glioblastoma cell lines. Henn W, et al. **Hum Genet** 1986 Sep;74(1):104–6
Ploidy in human cleavage stage embryos after fertilization in vitro. Wramsby H, et al. **Hum Reprod** 1987 Apr; 2(3):233–6
Effect of ploidy on the response of V79 cells to ionizing radiation. Radford IR, et al. **Int J Radiat Biol** 1987 May; 51(5):765–78
DNA index, ploidy, and radiosensitivity [letter] Courdi A. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1714
Ploidy studies in adenomatous polyps of colon [letter] Eble JN. **J Clin Pathol** 1986 Nov;39(11):1276
DNA–ploidy studies in a keratocyst undergoing subsequent malignant transformation. High AS, et al. **J Oral Pathol** 1987 Mar;16(3):135–8
Well differentiated clear cell renal carcinoma: significance of nuclear deoxyribonucleic acid patterns studied by flow cytometry. Rainwater LM, et al. **J Urol** 1987 Jan; 137(1):15–20
Flow cytometric DNA patterns from colorectal cancers—how reproducible are they? Scott NA, et al. **Mayo Clin Proc** 1987 May;62(5):331–7
A flow cytofluorometric study on age–dependent ploidy class changes in mouse hepatocyte nuclei. Ohtsubo K, et al. **Mech Ageing Dev** 1986 Oct;36(2):125–31
Bilateral anaplastic Wilms' tumors: change in ploidy following treatment [clinical conference] **Med Pediatr Oncol** 1987;15(1):28–30
Blood group antigens and ploidy as prognostic factors in urinary bladder carcinoma. Weinstein RS, et al. **Monogr Pathol** 1986;(27):225–41
Ploidy and proliferative activity of human brain tumors. A flow cytofluorometric study. Danova M, et al. **Oncology** 1987;44(2):102–7
Flow cytofluorometric evidence for the differential radioresponsiveness of aneuploid and diploid cervix tumours. Dyson JE, et al. **Radiother Oncol** 1987 Mar; 8(3):263–72
Changes in cellular ploidy and autophagic responsiveness during rat liver carcinogenesis. Seglen PO, et al. **Toxicol Pathol** 1986;14(3):342–8
Flow cytometric determination of nuclear DNA content in benign adrenal pheochromocytomas. Amberson JB, et al. **Urology** 1987 Aug;30(2):102–4
An analysis of histology and DNA–ploidy in primary wilms tumors and their metastases and a study of the morphological effects of therapy. van Leeuwen EH, et al. **Virchows Arch [A]** 1987;410(6):487–94
[Ultrasound findings as a sign of fetal triploidy] Holzgreve W, et al. **Ultraschall Med** 1986 Aug;7(4):169–71 (Eng. Abstr.) **(Ger)**
[A study of nuclear DNA ploidy patterns of gastric carcinoma] Yoshino H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):1960–7 (Eng. Abstr.) **(Jpn)**
[Ploidy level and alpha–fetoprotein production in spontaneous murine hematomas in relation to the degree of histological differentiation] Faktor VM, et al. **Biull Eksp Biol Med** 1987 May;103(5):608–10 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiosensitivity of primary cultured fish cells with different ploidy. Mitani H, et al. **J Radiat Res (Tokyo)** 1986 Sep; 27(3):284–90

PLOTOSUS see CATFISH

PLUMBING see SANITARY ENGINEERING

PLUMMER–VINSON SYNDROME see under DEGLUTITION DISORDERS

PLUTONIUM

Fallout Pu in the Japanese diet. Hisamatsu S, et al. **Health Phys** 1986 Oct;51(4):479–87
Effectiveness of DTPA therapy when administered intragastrically or intraperitoneally to remove Pu from adult or neonatal rats. Sullivan MF, et al. **Health Phys** 1986 Nov;51(5):641–6
Plutonium and lung cancer. Tietjen GL. **Health Phys** 1987 May;52(5):625–8
The induction by 239Pu of myeloid leukaemia and osteosarcoma in female CBA mice. Humphreys ER, et al. **Int J Radiat Biol** 1987 Feb;51(2):331–9
Preliminary studies of the interaction between 239PuO2 and cigarette smoke in the mouse lung. Talbot RJ, et al. **Int J Radiat Biol** 1987 Jun;51(6):1101–10
[Longevity of animals in combined exposure to total gamma irradiation and incorporated plutonium–239] Buldakov LA, et al. **Radiobiologia** 1987 Jan–Feb;27(1):123–6 (Eng. Abstr.) **(Rus)**
[Biochemical changes in rat tissues as affected by the combined action of external gamma–radiation and 239Pu in different doses] Elkina NI, et al. **Radiobiologia** 1986 Sep–Oct;26(5):677–82 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effects of protraction of the alpha dose to the lungs of mice by repeated inhalation exposure to aerosols of 239PuO2. Lundgren DL, et al. **Radiat Res** 1987 Aug;111(2):201–24
[Radiobiological effect of alpha–emitting nuclides incorporated in the lungs. Microdistribution of radioactive material and the problem of radiation protection] Kut'kov VA, et al. **Radiobiologia** 1986 Sep–Oct;26(5):642–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

A low–energy photon detector for the radioassay of Pu or Am in biological samples. Guilmette RA. **Health Phys** 1986 Dec;51(6):797–803
Ingestion intake of fallout Pu in Japan. Hisamatsu S, et al. **Health Phys** 1987 Feb;52(2):193–200
Air concentrations of 239Pu and 240Pu and potential radiation doses to persons living near Pu–contaminated areas in Palomares, Spain. Iranzo E, et al. **Health Phys** 1987 Apr;52(4):453–61
Actinide distribution in the human skeleton. Kathren RL, et al. **Health Phys** 1987 Feb;52(2):179–92
Plutonium and Am contamination of tourist property and estimated inhalation intake of visitors to Kiev after the Chernobyl accident. Kawamura H. **Health Phys** 1987 Jun; 52(6):793–5
Determination of 241Pu in low–level radioactive wastes from reactors. Martin JE. **Health Phys** 1986 Nov;51(5):621–31
Evaluation of a technique for separating organic material from mineral bone in individuals occupationally exposed to Pu. Miglio JJ, et al. **Health Phys** 1987 Jun;52(6):763–7
Distribution of low–level concentrations of 239,240Pu in tissues of a beagle. Singh NP, et al. **Health Phys** 1987 Mar; 52(3):373–7
Determination of plutonium in feces and urine. Hölgye Z. **Int J Rad Appl Instrum [A]** 1986;37(10):1015–8
Plutonium concentration in Japanese human tissues. Igarashi Y, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):213–8
Dosimetry of 239Pu in dogs that inhaled monodisperse aerosols of 239PuO2. Guilmette RA, et al. **Radiat Res** 1987 May;110(2):199–218
Concentration of fallout plutonium in tissues of Japanese who died during 1980–1984. Takizawa Y, et al. **Radiat Res** 1987 Feb;109(2):245–55
Soil to plant transfer of 239 + 240Pu, 238Pu, 241Am, 137Cs and 90Sr from global fallout in flour and bran from wheat, rye, barley and oats, as obtained by field measurements. Bunzl K, et al. **Sci Total Environ** 1987 May;63:111–24

METABOLISM

The metabolism of plutonium and related elements. International Commission on Radiological Protection. A report of a Task Group of Committee 2. **Ann ICRP** 1986; 16(2–3):i–vi, 1–98 (360 ref.)
The absorption of ingested Pu and Am in newborn guinea pigs. Bomford JA, et al. **Health Phys** 1986 Dec;51(6):804–8
The effect of ingested mass on Pu absorption in the rat. Harrison JD, et al. **Health Phys** 1987 Aug;53(2):187–9
A method for estimating the systemic burden of Pu from urinalyses. Leggett RW, et al. **Health Phys** 1987 Mar; 52(3):337–46
The interception and retention of 238Pu deposition by orange trees. Pinder JE 3d, et al. **Health Phys** 1987 Jun; 52(6):707–15
Lung clearance and translocation of 239Pu and 244Cm in rats following inhalation individually or as a mixed oxide. Rhoads K, et al. **Health Phys** 1986 Nov;51(5):633–40
The impact of an isotopic effect on the interpretation of bioassay data for Pu. Ryan MT, et al. **Health Phys** 1987 Sep;53(3):255–9
Biological behaviour of Pu administered to animals as Pu–standard LICAM(C) complex: therapeutical attempts to decrease Pu kidney burden. Gerasimo P, et al. **Hum Toxicol** 1986 Sep;5(5):309–18
Studies on the lysosomal binding of 141Ce, 239Np, 239Pu and 241Am in rat and Syrian hamster liver using carrier–free electrophoresis. Seidel A, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):515–8
Uptake and clearance of plutonium–238 from liver cells transplanted into fat pads of F344 rats. Brooks AL, et al. **Int J Radiat Biol** 1986 Oct;50(4):631–9
The gastrointestinal absorption of organically bound forms of plutonium in fed and fasted hamsters. Harrison JD, et al. **Int J Radiat Biol** 1986 Dec;50(6):1083–91
Distribution of 239Pu in the skeleton of the tree shrew (Tupaia belangeri) between 15 and 50 months after injection. Sontag W, et al. **Int J Radiat Biol** 1987 Apr; 51(4):707–21
Comments on the paper "Transfer of environmental plutonium and americium across the human gut" [letter] Harrison JD, et al. **Sci Total Environ** 1987 Jul;64(3):325–32
Influence of iron on plutonium absorption by the adult and neonatal rat. Sullivan MF, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):239–47
[Dynamics of the microdistribution of 239Pu in immunocompetent structures of the rat spleen after administration of the nuclide in the nitrate form] Levdik TI, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):702–5 (Eng. Abstr.) **(Rus)**
[Role of biocomponents of the bile and excreta in the elimination of plutonium and americium from the body] Shvydko NS. **Radiobiologiia** 1986 Sep–Oct;26(5):699–702 (Eng. Abstr.) **(Rus)**
[Metabolic kinetics and the biological action of 238Pu in the body of rabbits after intratracheal administration] Zalikin GA, et al. **Radiobiologia** 1987 Mar–Apr;27(2):267–70 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Alkaline phosphatase and transaminase activity in the liver and blood serum of rats in the late periods following combined exposure to external gamma radiation and alpha radiation from plutonium–239] Elkina NI, et al. **Radiobiologia** 1986 Nov–Dec;26(6):838–42 (Eng. Abstr.) **(Rus)**
[Absorbed doses and hematological shifts in dogs inhaling submicron 239Pu dioxide] Kalmykova ZI, et al. **Radiobiologia** 1987 May–Jun;27(3):349–53 (Eng. Abstr.) **(Rus)**
[Cytogenetic effect of 238Pu alpha radiation on the germ cells of male mice] Pomerantseva MD, et al. **Radiobiologia** 1987 May–Jun;27(3):344–8 (Eng. Abstr.) **(Rus)**

POISONING

Cancer incidence patterns in the Denver metropolitan area in relation to the Rocky Flats plant. Crump KS, et al. **Am J Epidemiol** 1987 Jul;126(1):127–35
Re: "Cancer incidence patterns in the Denver metropolitan area in relation to the Rocky Flats plant". Johnson CJ. **Am J Epidemiol** 1987 Jul;126(1):153–5
Mortality among plutonium and other radiation workers at a plutonium weapons facility. Wilkinson GS, et al. **Am J Epidemiol** 1987 Feb;125(2):231–50

TOXICITY

Acute lesions induced by alpha–irradiation of intestine after plutonium gavage of neonatal rats. Fritsch P, et al. **Int J Radiat Biol** 1987 Jul;52(1):1–6
[Induction of genetic damage by incorporated 238Pu in the germ cells of male mice] Pomerantseva MD, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):206–11 (Eng. Abstr.) **(Rus)**
[Behavior and biological action of large amounts of 239Pu following intramuscular administration in rats undergoing long–term therapy with Zn– and Ca–DTPA] Siniakov EG, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):129–30 (Eng. Abstr.) **(Rus)**

URINE

[Determination of plutonium and uranium in the urine of persons working with regenerated uranium] Golutvina MM, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):50–2 **(Rus)**

PMS see GONADOTROPINS, EQUINE

PMSG see GONADOTROPINS, EQUINE

PNEUMATIC SUITS see G SUITS

PNEUMATOSIS CYSTOIDES INTESTINALIS

[Pneumatosis cystoides intestinorum et mesenterii. Case report] Vojnika J, et al. **Acta Chir Iugosl** 1986;33(1):89–94 (Eng. Abstr.) **(Scr)**

CHEMICALLY INDUCED

A new health problem due to trichloroethylene: pneumatosis cystoides intestinalis. Sato A, et al. **Arch Environ Health** 1987 May–Jun;42(3):144–7
Pneumatosis cystoides intestinalis with pneumoperitoneum in renal transplant patients on cyclosporine and prednisone. Ammons MA, et al. **Transplant Proc** 1986 Dec; 18(6):1868–70
[A survey for the detection of trichloroacetic acid (TCA) from urine of workers exposed to perchloroethylene (PE) and clinical study on three cases with pneumatosis cystoides coli (PCC) caused by chronic exposure to trichloroethylene (TE)] Kurihara Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1455–60

(Eng. Abstr.) (Jpn)

COMPLICATIONS

Pneumatosis intestinalis associated with fatal childhood dermatomyositis. Fischer TJ, et al. **Pediatrics** 1978 Jan; 61(1):127–30

[Pneumatosis cystoides intestinalis and pneumoperitoneum associated with gluten enteropathy] Verhamme M, et al. **Acta Clin Belg** 1987;42(1):48–52 (Eng. Abstr.) (Dut)

[Pneumatosis of the small intestine associated with cicatricial and ulcerative stenosis of the duodenal bulb] Turgunaliev NT, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):114 . (Rus)

[Pneumatosis cystoides intestinalis in myeloma—an unusual cause of free gas in abdomen] Nelzén O. **Lakartidningen** 1987 Jan 7;84(1–2):50–1 (Swe)

DIAGNOSIS

[Pneumatosis cystoides intestinalis] Lech YM. **Ugeskr Laeger** 1986 Sep 1;148(36):2272–6 (Eng. Abstr.) (Dan)

ETIOLOGY

Pneumatosis cystoides intestinalis in quadriplegia: a case report. Balmaseda MT Jr, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):563–5

Pneumatosis intestinalis related to cytomegalo-virus infection—a new etiology? van der Jagt EJ, et al. **Eur J Radiol** 1987 Feb;7(1):28–9

Pneumatosis intestinalis in children after allogeneic bone marrow transplantation. Yeager AM, et al. **Pediatr Radiol** 1987;17(1):18–22

Pneumatosis cystoides intestinalis following lactulose and steroid treatment in a liver transplant patient with an intermittently enlarged scrotum. Janssen DA, et al. **Transplant Proc** 1987 Apr;19(2):2949–52

PATHOLOGY

[Negative report on trichloroethylene-induced pneumatosis cystoides intestinalis in rats] Arai H, et al. **Sangyo Igaku** 1986 Jul;28(4):275–8 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

The case of the bloated nurse. Jackson JE, et al. **Br J Radiol** 1987 Jul;60(715):721–2

The role of computed tomography in the evaluation of pneumatosis intestinalis. Caudill JL, et al. **J Clin Gastroenterol** 1987 Apr;9(2):223–6

SURGERY

[Pneumatosis of the ileum combined with peptic stenosis of the pylorus] Karaman NV, et al. **Vestn Khir** 1987 Apr; 138(4):57–8 (Rus)

PNEUMOCEPHALUS

ETIOLOGY

Pneumocephalus and tension pneumocephalus after posterior fossa surgery in the sitting position: a prospective study. Di Lorenzo N, et al. **Acta Neurochir (Wien)** 1986; 83(3–4):112–5

Traumatic pneumorrhachis. Newbold RG, et al. **AJR** 1987 Mar;148(3):615–6

Frontal aerocoele as a complication of head injury. Morton R. **Arch Emerg Med** 1987 Jun;4(2):111–4

Postoperative tension pneumocephalus—report of 2 cases. Anegawa S, et al. **Kurume Med J** 1986;33(4):181–6

Pneumocephalus secondary to acute sinusitis—case report. Naganuma H, et al. **Neurol Med Chir (Tokyo)** 1986 Jul; 26(7):541–4

Pneumocephalus after ventriculoperitoneal shunting [letter] Aoki N. **Neurosurgery** 1987 Apr;20(4):667–8

Spontaneous intracerebral pneumocephalus [letter] Aoki N. **Neurosurgery** 1987 Jun;20(6):995

Tension pneumocephalus following nasal polypectomy. Misra BK, et al. **Surg Neurol** 1987 Oct;28(4):307–10

[Intracranial pneumocephalus under pressure. A possible cause of postoperative deterioration in neurosurgery. 10 cases] Bret P, et al. **Neurochirurgie** 1987;33(3):209–15 (Eng. Abstr.) (Fre)

[Otogenic extradural pneumatocele, 36 years after a gunshot injury] Strohm M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):25–9 (Eng. Abstr.) (Ger)

[Tension pneumocephalus following ventriculo-peritoneal shunt. Case report] Otsuji T, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):426–9 (Eng. Abstr.) (Jpn)

[Subdural tension pneumocephalus following surgery of chronic subdural hematoma] Ishiwata Y, et al. **No Shinkei Geka** 1987 Apr;15(4):419–24 (Eng. Abstr.) (Jpn)

[Pneumocephalus after removal of a pituitary adenoma] Fedorov SN, et al. **Zh Vopr Neirokhir** 1987 Mar–Apr; (2):55–7 (Rus)

PHYSIOPATHOLOGY

Pneumococcal infection and gurgling in the head [letter] Winton MD, et al. **Ann Intern Med** 1987 Jun;106(6):912–3

SURGERY

Postoperative tension pneumocephalus. Gozur JA. **J Neurosci Nurs** 1987 Feb;19(1):30–5

Free muscle flap for treatment of iatrogenic pneumocephalus [letter] Schubert W, et al. **Lancet** 1987 Jun 27; 1(8548):1486–7

PNEUMOCOCCAL INFECTIONS

Acute epidural abscess. Peterson JA, et al. **Am J Emerg Med** 1987 Jul;5(4):287–90

Streptococcus pneumoniae cellulitis. Hinnen RM, et al. **IMJ** 1986 Aug;170(2):84–6

Streptococcus pneumoniae peritonitis [letter] Watson JA, et al. **NZ Med J** 1986 Nov 12;99(813):866–7

Untreated pneumococcal bacteraemia of cryptic origin in the human adult with spontaneous recovery. Austrian R. **S Afr Med J** 1986 Oct 11;Suppl:46–9

Pneumococcal vertebral osteomyelitis in an adult. Gelfand MS, et al. **South Med J** 1987 Apr;80(4):534–5

BLOOD

[Streptococcus pneumoniae infections associated with bacteremia in adulthood] Szalka A, et al. **Orv Hetil** 1987 Mar 15;128(11):559–62 (Eng. Abstr.) (Hun)

COMPLICATIONS

Polyarticular pneumococcal pyarthrosis in a young haemophiliac. Mba EC, et al. **Acta Haematol (Basel)** 1987; 77(1):62–3

Pneumococcal septic arthritis in rheumatoid arthritis. Morley PK, et al. **Ann Rheum Dis** 1987 Jun;46(6):482–4

Livedo reticularis and purpura: presenting features in fulminant pneumococcal septicemia in an asplenic patient. Rusonis PA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1120–2

Severe diarrhea in pneumococcal bacteremia [letter] **JAMA** 1987 Apr 10;257(14):1897–8

Severe diarrhea in pneumococcal bacteremia: croupous colitis [letter] del Rio C, et al. **JAMA** 1987 Jan 9;257(2):189

Suppurative arthritis and hemophilia. Fajardo JE, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):593–4

[Austrian syndrome] Ben-Yaacov D, et al. **Harefuah** 1986 Dec 1;111(11):367–8 (Eng. Abstr.) (Heb)

DIAGNOSIS

Primary amyloidosis with diffuse splenic infiltration presenting as fulminant pneumococcal sepsis. Frank JM, et al. **Am J Clin Pathol** 1987 Mar;87(3):405–7

Ludwig's angina and pneumococcal sepsis. Gridley J, et al. **J Emerg Med** 1986;4(3):201–4

Delayed diagnosis of pneumococcal sepsis post-splenectomy [letter] Walker J, et al. **Lancet** 1987 Jan 31;1(8527):283

[Primary pneumococcal peritonitis: apropos of 2 cases] N'Guyen Qui N, et al. **Cah Anesthesiol** 1987 Jan–Feb; 35(1):65–8 (Fre)

DRUG THERAPY

Medical management of pneumococcal arthritis involving a knee prosthesis. Sublett KL, et al. **Arthritis Rheum** 1987 Aug;30(8):940–2

ETIOLOGY

Bilateral perinephric abscesses: a complication of endoscopic injection sclerotherapy. Ritchie MT, et al. **Am J Gastroenterol** 1987 Jul;82(7):670–3

Risk factors for acquiring pneumococcal infections [letter] Rosner F, et al. **Arch Intern Med** 1987 Feb;147(2):212

Pneumococcal sepsis and meningitis in vaccinated subjects: a review of 55 reported cases. Zarrabi MH, et al. **J Natl Med Assoc** 1987 Apr;79(4):372–6

Overwhelming pneumococcal sepsis post-splenectomy [letter] [published erratum appears in Lancet 1987 Mar 14;1(8533):642] **Lancet** 1987 Mar 7;1(8532):569–71

Overwhelming pneumococcal sepsis in healthy adults years after splenectomy [letter] Hollis N, et al. **Lancet** 1987 Jan 10;1(8524):110–1

Severe pneumococcal peritonitis complicating IUD: case report and review of the literature. Goldman JA, et al. **Obstet Gynecol Surv** 1986 Nov;41(11):672–4 (27 ref.)

Pneumococcal osteomyelitis associated with IgG2 subclass deficiency. Gottsegen DN. **Pediatr Infect Dis J** 1987 Mar; 6(3):281–4

Pneumococcal endocarditis: report of a series and review of the literature. Powderly WG, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):786–91 (28 ref.)

[Mechanism of respiratory infection due to Streptococcus pneumoniae or Haemophilus influenzae in mice] Miyazaki S, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):310–7 (Eng. Abstr.) (Jpn)

[Recurrent suppurative cerebrospinal meningitis and encephalitis] Jeżyna C. **Wiad Lek** 1986 May 15; 39(10):677–82 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Inherited deficiency of properdin and C2 in a patient with recurrent bacteremia. Gelfand EW, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):671–5

Impaired IgG2 anti-pneumococcal antibody responses in patients with recurrent infection and normal IgG2 levels but no IgA. Lane PJ, et al. **Clin Exp Immunol** 1986 Aug; 65(2):427–33

Autotransplantation of splenic tissue after splenectomy in rats offers partial protection against intravenous pneumococcal challenge. Harding B, et al. **Eur Surg Res** 1987;19(3):135–9

Rabbit antibodies to the cell wall polysaccharide of Streptococcus pneumoniae fail to protect mice from lethal challenge with encapsulated pneumococci. Szu SC, et al. **Infect Immun** 1986 Nov;54(2):448–55

Splenomimetic effect of Corynebacterium parvum in fulminant pneumococcemia. Wellish KL, et al. **J Infect Dis** 1987 Jul;156(1):130–5

Serum antibodies to pneumococcal C polysaccharide in children: response to acute pneumococcal otitis media or to vaccination. Koskela M. **Pediatr Infect Dis J** 1987 Jun; 6(6):519–26

MICROBIOLOGY

Pneumococcal infections during childhood: serotyping of pneumococcal strains from forty-six children. Spencker FB, et al. **Acta Paediatr Hung** 1986;27(2):97–105

A comparison of the distribution of pneumococcal types in systemic disease and the upper respiratory tract in adults and children. Smart LE, et al. **Epidemiol Infect** 1987 Apr; 98(2):203–9

Blood clearance of Streptococcus pneumoniae by C-reactive protein. Horowitz J, et al. **J Immunol** 1987 Apr 15; 138(8):2598–603

New 23-valent pneumococcal vaccine in relation to pneumococcal serotypes in systemic and non-systemic disease. Smart LE, et al. **J Infect** 1987 May;14(3):209–15

Distribution of pneumococcal capsular serotypes in Japan. Yanase S, et al. **Kobe J Med Sci** 1986 Jun;32(3):105–13

Antibiotic-resistant pneumococcal disease in children at Baragwanath Hospital, Johannesburg. Oppenheim B, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):520–4

Pneumococcal and Haemophilus influenzae type b antigen detection in children at risk for occult bacteremia. Rubin LG, et al. **Pediatrics** 1987 Jul;80(1):92–6

Serotyping of 1,458 pneumococcal isolates with analysis of bacteremia in 84 patients. Fanciullo GJ, et al. **South Med J** 1986 Nov;79(11):1370–5

[Evolution of the resistance of Streptococcus pneumoniae to erythromycin at the Pitié-Salpêtrière Hospital (1980–1984)] Nguyen J, et al. **Rev Mal Respir** 1986; 3(5):263–7 (Eng. Abstr.) (Fre)

MORTALITY

Pneumococcal bacteremia—no change in mortality in 30 years: analysis of 104 cases and review of the literature. Kramer MR, et al. **Isr J Med Sci** 1987 Mar;23(3):174–80

OCCURRENCE

Pneumococcal endocarditis update: analysis of 10 cases diagnosed between 1974 and 1984. Ugolini V, et al. **Am Heart J** 1986 Oct;112(4):813–9

Risk factors for acquiring pneumococcal infections. Lipsky BA, et al. **Arch Intern Med** 1986 Nov;146(11):2179–85

Pneumococcal bacteremia. Update from an adult hospital with a high rate of nosocomial cases. Chang JI, et al. **J Am Geriatr Soc** 1987 Aug;35(8):747–54

Invasive pneumococcal infection in Israel. Review of 90 cases. Siegman-Igra Y, et al. **Scand J Infect Dis** 1986; 18(6):511–7

PATHOLOGY

Diffuse bacterial bronchiolitis with bronchiolar pneumonia in adults. Barnett TB, et al. **South Med J** 1987 Jan; 80(1):10–5

PHYSIOPATHOLOGY

Experimental acute sinusitis in rabbit. A study of mucosal blood flow. Drettner B, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):432–4

PREVENTION & CONTROL

Pneumococcal septicemia in sickle cell disease [letter] Mallouh AA. **Am J Dis Child** 1986 Nov;140(11):1092–3

Prophylaxis of pneumococcal infection in sickle-cell disease by the combined use of vaccination and penicillin. Babiker MA. **Ann Trop Paediatr** 1986 Sep;6(3):179–81

Prophylaxis of pneumococcal infection in sickle cell disease by the combined use of vaccination and penicillin [letter] Salamah MM, et al. **Ann Trop Paediatr** 1987 Mar;7(1):75

Influenza and pneumococcal immunization strategies for physicians. Fedson DS. **Chest** 1987 Mar;91(3):436–43

Placebo controlled pneumococcal immunization in patients with bronchogenic carcinoma. Klastersky J, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):807–13

Effect of splenectomy and hemisplenectomy on pneumococcal infection and bacteria clearance in the rat. Pouchè A, et al. **Eur Surg Res** 1987;19(2):86–90

Prophylactic effect of human immunoglobulin against pneumococcal post-splenectomy sepsis in the rat. Offenbartl K, et al. **Infection** 1986 Jul–Aug;14(4):167–9

Simultaneous administration of vaccines for Haemophilus influenzae type b, pneumococci, and meningococci. Ambrosino DM, et al. **J Infect Dis** 1986 Nov;154(5):893–6

Pneumococcal vaccine failure [letter] **N Engl J Med** 1987

May 14;316(20):1272–3
Efficacy of pneumococcal vaccine in high-risk patients. Results of a Veterans Administration Cooperative Study. Simberkoff MS, et al. **N Engl J Med** 1986 Nov 20; 315(21):1318–27
Prevention of pneumococcal bacteremia in a child with acquired immunodeficiency syndrome-related complex. Wood CC, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):564–6
Short-term results of an immunization compliance program. Gelfman DM, et al. **Va Med** 1986 Sep;113(9):532–4
[Failure of anti-pneumococcal vaccination and prophylactic antibiotic therapy in 2 splenectomized subjects] Herer B, et al. **Nouv Rev Fr Hematol** 1986;28(6):371–6 (Eng. Abstr.) **(Fre)**
[Antipneumococcal vaccination: comparison between vaccines] Galli MG, et al. **Boll Ist Sieroter Milan** 1986; 65(5):424–9 (Eng. Abstr.) **(Ita)**

SURGERY

[Surgically treated mycotic aneurysm of the abdominal aorta] Poblete R, et al. **Rev Med Chil** 1986 Aug;114(8):763–7 (Eng. Abstr.) **(Spa)**

PNEUMOCOCCUS see STREPTOCOCCUS PNEUMONIAE

PNEUMOCONIOSIS

Occupational pulmonary disease.
State Art Rev Occup Med 1987 Apr-Jun;2(2):213–428

BLOOD

[Chemiluminescence of the blood serum of experimental animals exposed to polymetallic dust] Bezrukavnikova LM, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):48–51 **(Rus)**

DIAGNOSIS

The respiratory health of carbon black workers. Crosbie WA. **Arch Environ Health** 1986 Nov-Dec;41(6):346–53
[Unusual forms of occupational bronchial asthma] Guetg R. **Rev Med Suisse Romande** 1987 Apr;107(4):325–9 **(Fre)**
[Recommendations for the evaluation and expert assessment of respiratory diseases in practice (letter)] Smidt U. **Dtsch Med Wochenschr** 1987 Feb 20;112(8):326 **(Ger)**
[Thoracic radiographic exam for workers at risk for pneumoconiosis: critical considerations of legal and radiation protection aspects] Indovina PL, et al. **Med Lav** 1986 Sep-Oct;77(5):489–95 (Eng. Abstr.) **(Ita)**
[Use of a simple cybernetic method for determining the severity of dust-induced bronchitis] Kleiner AI, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):23–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Measurement of serum angiotensin-converting enzyme in pneumoconiosis--comparison of Kasahara's method with Cushman's modified method] Kato Y, et al. **Sangyo Igaku** 1986 May;28(3):204–5 **(Jpn)**

ETIOLOGY

Trace metal lung disease: hard metal pneumoconiosis. A case report. Edel J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:52–5
Public awareness of the problem of asbestos use in Israel. Baum GL. **Am J Ind Med** 1986;10(5–6):445–8
Pulmonary function and intradermal tests in workers exposed to soft-paper dust. Heederik D, et al. **Am J Ind Med** 1987; 11(6):637–45
Dust exposure, dust recovered from the lung, and associated pathology in a group of British coalminers. Douglas AN, et al. **Br J Ind Med** 1986 Dec;43(12):795–801
Determinants of respiratory symptoms in insulation workers exposed to asbestos and synthetic mineral fibres. Ernst P, et al. **Br J Ind Med** 1987 Feb;44(2):90–5
Mineralogical analysis of bronchoalveolar lavage in talc pneumoconiosis. de Vuyst P, et al. **Eur J Respir Dis** 1987 Mar;70(3):150–6
Hard-metal lung disease. A report of 4 cases. Skluis-Cremer GK, et al. **S Afr Med J** 1987 May 2;71(9):598–600
Lung disease after exposure to polyvinyl chloride dust. Antti-Poika M, et al. **Thorax** 1986 Jul;41(7):566–7
[Exposure to dust in plant production] Scamoni G, et al. **Z Gesamte Hyg** 1986 Nov;32(11):637–9 (Eng. Abstr.) **(Ger)**
[Dose-response relations of dust exposure and lung function in foundry workers] Schneider WD, et al. **Z Gesamte Hyg** 1986 Nov;32(11):688–92 **(Ger)**
[Pneumoconiosis in bauxite miners] Molinini R, et al. **G Ital Med Lav** 1985 Sep-Nov;7(5–6):209–13 (Eng. Abstr.) **(Ita)**
[Urgent problems in the evaluation of the dust-gas factor and health status of workers in highly mechanized ore and placer mines] Elovskaia LT, et al. **Gig Tr Prof Zabol** 1987 Jun;(6):25–8 (Eng. Abstr.) **(Rus)**
[Fibrogenic activity of superhigh-siliceous zeolites] Fomina AS, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):17–20 (Eng. Abstr.) **(Rus)**
[Experimental study of the effect of dust formed during the secondary reprocessing of ferrous metals] Mikhailovskaia TN, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lung and blood lymphocyte subsets in asbestosis and in mixed dust pneumoconiosis. Costabel U, et al. **Chest** 1987 Jan;91(1):110–2
Enzyme-linked immunosorbent-assay (ELISA) for IgG in bagasse workers' sera: comparison with counter-immunoelectrophoresis. Boiron P, et al. **Clin Allergy** 1987 Jul;17(4):355–63
The role of unspecific immunostimulation mechanism in the pathogenesis of pneumoconioses. Privalova LI. **Med Lav** 1986 Nov-Dec;77(6):613–21

OCCURRENCE

Spirometry variability criteria--association with respiratory morbidity and mortality in a cohort of coal miners. Kellie SE, et al. **Am J Epidemiol** 1987 Mar;125(3):437–44
Pleural plaques, respiratory symptoms and respiratory function in shipyard workers exposed to man-made mineral fibres. Sandén A, et al. **J Soc Occup Med** 1986 Autumn; 36(3):86–9
[An investigation of phosphatic manure worker pneumoconiosis] Tang XH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 May; 20(3):160–1 (Eng. Abstr.) **(Chi)**
[The epidemiological investigation of pneumoconiosis in 13 professions in Sichuan province] Wu DL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 May; 20(3):134–9 (Eng. Abstr.) **(Chi)**
[Risk assessment and the prediction of the development of pneumoconiosis in coal miners] Sukhanov VV, et al. **Vrach Delo** 1987 Jul;(7):93–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Respiratory effects of hard-metal dust exposure. Balmes JR. **State Art Rev Occup Med** 1987 Apr-Jun;2(2):327–44
Central lymph node changes and progressive massive fibrosis in coalworkers. Seal RM, et al. **Thorax** 1986 Jul;41(7):531–7
[Hydroxyproline in the rat lung following exposure to industrial ashes and surface dusts] Staszyc J, et al. **Gegenbaurs Morphol Jahrb** 1986;132(6):953–8 (Eng. Abstr.) **(Ger)**
[Behavior of hydroxyproline in the rat lung following exposure to surface dust and industrial ashes] Staszyc J, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):33–8 (Eng. Abstr.) **(Ger)**
[Asbestos and other mineral fibers in the human lung] Woitowitz HJ, et al. **Pathologe** 1986 Sep;7(5):248–57 **(Ger)**
[Pneumoconiosis caused by "rare earths" (cer-pneumoconiosis)] Vogt P, et al. **Schweiz Med Wochenschr** 1986 Sep 20;116(38):1303–8 (Eng. Abstr.) **(Ger)**
[A case report of hard metal lung with giant cell interstitial pneumonia] Wada M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):703–9 (Eng. Abstr.) **(Jpn)**
[A case of mixed dust fibrosis with lesions akin to idiopathic interstitial pneumonia] Yamaguchi E, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):685–91 (Eng. Abstr.) **(Jpn)**
[Radiologic-pathologic correlations of small nodules in pneumoconiosis] Ozasa K, et al. **Rinsho Hoshasen** 1986 Oct; 31(10):1103–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Lung function in coalworkers' pneumoconiosis [letter] Huncharek M. **Br J Ind Med** 1987 Mar;44(3):215–6
A study of lung function in coalworkers' pneumoconiosis. Zhicheng S. **Br J Ind Med** 1986 Sep;43(9):644–5

PREVENTION & CONTROL

Free radical scavenging properties of polyvinylpyridine N-oxide: a possible mechanism for its action in pneumoconiosis. Gulumian M, et al. **Med Lav** 1987 Mar-Apr;78(2):124–8
[Evaluation of dust measurements for controlling the adherence to normal values and assessment of dose in an occupational environment] Pangert R, et al. **Z Gesamte Hyg** 1986 Aug;32(8):481–2 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Coalworkers' pneumoconiosis: correlation between opacity profusion and number and type of dust lesions with special reference to opacity type. Fernie JM, et al. **Br J Ind Med** 1987 Apr;44(4):273–7
The posterior pleural junction line in pneumoconiosis. A report of 3 cases with thickening. Thomas RG, et al. **S Afr Med J** 1987 Jun 20;71(12):792–5
[Effect of digital image processing on radiographic interpretation of pneumoconiosis] Fukuhisa K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Apr 25; 46(4):614–26 (Eng. Abstr.) **(Jpn)**
[Radiologic-pathologic correlations of small nodules in pneumoconiosis] Ozasa K, et al. **Rinsho Hoshasen** 1986 Oct; 31(10):1103–8 (Eng. Abstr.) **(Jpn)**
[Clinico-roentgenologic characteristics of lung diseases in workers at a sintering workshop of a metallurgy industrial complex] Pliukhin AE, et al. **Gig Tr Prof Zabol** 1987 Jun; (6):48–50 **(Rus)**
[Errors and untimely roentgen diagnosis of occupational diseases] Sokolik LI, et al. **Vrach Delo** 1987 May;(5):107–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconioses. Bisson G, et al. **Semin Nucl Med** 1987 Jan;17(1):72–80 (51 ref.)
[Aerosol lung inhalation scintigraphy in occupational lung disease] Sui O. **Kaku Igaku** 1986 Nov;23(11):1553–63 (Eng. Abstr.) **(Jpn)**
[Diagnosis of pneumoconiosis] Lopez-Maiano V. **Probl Tuberk** 1986;(7):47–50 (Eng. Abstr.) **(Rus)**

THERAPY

[Value of aerophytotherapy in the complex sanatorium and climate treatment of patients with pneumoconiosis and dust-induced bronchitis] Ostapchuk IF, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):20–2 (Eng. Abstr.) **(Rus)**

PNEUMOCYSTIS CARINII

Disseminated Pneumocystis carinii infection in a patient with acquired immunodeficiency syndrome. Grimes MM, et al. **Hum Pathol** 1987 Mar;18(3):307–8
[Pneumocystis carinii in male drug addicts: morphologic study of the parasite] Carluccio AV, et al. **Boll Ist Sieroter Milan** 1986;65(6):557–62 (Eng. Abstr.) **(Ita)**

ANALYSIS

Phospholipid profile of Pneumocystis carinii and its interaction with alveolar type II epithelial cells. Pesanti EL. **Infect Immun** 1987 Mar;55(3):736–41
Freeze-fracture localization of filipin-sterol complexes in plasma- and cyto-membranes of Pneumocystis carinii. Yoshikawa H, et al. **J Protozool** 1987 May;34(2):131–7

CLASSIFICATION

Pneumocystis carinii. Taxonomy as viewed by electron microscopy. ul Haque A, et al. **Am J Clin Pathol** 1987 Apr;87(4):504–10

CYTOLOGY

Fluorescence not specific for Pneumocystis carinii [letter] Sun T, et al. **Acta Cytol (Baltimore)** 1986 Sep-Oct; 30(5):549–52
Single cysts of P. carinii identified on Papanicolaou smears [letter] Chess Q, et al. **Diagn Cytopathol** 1987 Mar; 3(1):89–90

DRUG EFFECTS

Inhibition of polyamine biosynthesis by alpha-difluoromethylornithine in African trypanosomes and Pneumocystis carinii as a basis of chemotherapy: biochemical and clinical aspects. McCann PP, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1153–6
Persistence of trophozoites after successful treatment of Pneumocystis carinii pneumonia. el-Sadr W, et al. **Ann Intern Med** 1986 Dec;105(6):889–90

ENZYMOLOGY

Histoenzymological study of selected dehydrogenase enzymes in Pneumocystis carinii. Mazer MA, et al. **Infect Immun** 1987 Mar;55(3):727–30
Activity of antifolates against Pneumocystis carinii dihydrofolate reductase and identification of a potent new agent. Allegra CJ, et al. **J Exp Med** 1987 Mar 1; 165(3):926–31

GENETICS

Demonstration and determination of DNA in Pneumocystis carinii by fluorescence microscopy with 4', 6-diamidino-2-phenylindole (DAPI). Yamada M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug; 262(2):240–6

GROWTH & DEVELOPMENT

Comparison of histologic and quantitative techniques in evaluation of therapy for experimental Pneumocystis carinii pneumonia. Kim CK, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):197–201

IMMUNOLOGY

Pneumocystis carinii: immunoblotting and immunofluorescent analyses of serum antibodies during experimental rat infection and recovery. Walzer PD, et al. **Exp Parasitol** 1987 Jun;63(3):319–28
Analyses of rat Pneumocystis carinii antigens recognized by human and rat antibodies by using western immunoblotting. Graves DC, et al. **Infect Immun** 1986 Oct;54(1):96–103
Evidence for depressed humoral immunity to Pneumocystis carinii in homosexual males, commercial plasma donors, and patients with acquired immunodeficiency syndrome. Pifer LL, et al. **J Clin Microbiol** 1987 Jun;25(6):991–5

A comparison of the antigenic characteristics of rat and human Pneumocystis carinii by immunoblotting. Walzer PD, et al. **J Immunol** 1987 Apr 1;138(7):2257–65

Detection of Pneumocystis carinii in lung–derived samples using monoclonal antibodies to an 82 kDa parasite component. Linder E, et al. **J Immunol Methods** 1987 Apr 2;98(1):57–62

Production of a monoclonal antibody with specificity for the pellicle of Pneumocystis carinii by hybridoma. Matsumoto Y, et al. **Parasitol Res** 1987;73(3):228–33

Preliminary studies on the development of a vaccine for Pneumocystis carinii. I. Immunological and biochemical characterization. Pifer LL, et al. **Vaccine** 1986 Dec; 4(4):257–65

ISOLATION & PURIFICATION

Role of bronchial brushings in AIDS with Pneumocystis carinii pneumonia. Sarkar TK, et al. **AIDS Res** 1986 Fall; 2(4):321–4

Experimental Pneumocystis carinii pneumonia in rats as parasite source for in vitro cultures. Rădulescu S, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):47–56

A rapid stain for Pneumocystis. Lindley RP, et al. **J Clin Pathol** 1987 Jul;40(7):811–2

Simultaneous demonstration of cyst walls and intracystic bodies of Pneumocystis carinii in paraffin embedded lung sections using Gomori's methenamine silver nitrate and Giemsa stain. Shiota T. **J Clin Pathol** 1986 Nov; 39(11):1269–71

An improved method of isolating Pneumocystis carinii from infected rat lungs. Gradus MS, et al. **J Parasitol** 1986 Oct; 72(5):690–8

Atypical distribution of Pneumocystis carinii infiltrates during radiation therapy. Panicek DM, et al. **Radiology** 1987 Jun;163(3):689–90

Pneumocystis carinii in human lungs at autopsy. Settnes OP, et al. **Scand J Infect Dis** 1986;18(6):489–96

[Identification of Pneumocystis carinii in a patient dying of AIDS] Caramello P, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):171–7 (Eng. Abstr.) **(Ita)**

[Microscopic diagnosis of Pneumocystis carinii. Comparison of various staining technics] Savoia D, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):178–84 (Eng. Abstr.) **(Ita)**

PATHOGENICITY

Intra– and inter–species transmission and antigenic difference of Pneumocystis carinii derived from rat and mouse. Furuta T, et al. **Jpn J Exp Med** 1987 Feb;57(1):11–7

PHYSIOLOGY

Morphology, development and behavior of Pneumocystis carinii observed by light–microscopy in nude mice. Shiota T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug; 262(2):230–9

ULTRASTRUCTURE

Plastic embedding evaluation of Pneumocystis carinii pneumonia in AIDS. Simultaneous demonstration of cyst and sporozoite forms. Schwartz DA, et al. **Am J Surg Pathol** 1987 Apr;11(4):304–9

Co–trimoxazole treatment of two fatal cases of Pneumocystis carinii pneumonia—changes in protozoan morphology and treatment method. Mori T, et al. **Kansenshogaku Zasshi** 1987 Feb;61(2):118–25

Freeze–fracture studies on Pneumocystis carinii. II. Fine structure of the trophozoite. Yoshikawa H, et al. **Parasitol Res** 1987;73(2):132–9

PNEUMOCYSTIS CARINII PNEUMONIA see **PNEUMONIA, PNEUMOCYSTIS CARINII**

PNEUMOENCEPHALOGRAPHY

[Computer tomography pneumocisternography in the diagnosis of tumors of the cerebellopontile angle] Ledić S, et al. **Vojnosanit Pregl** 1986 Nov–Dec;43(6):419–22 (Eng. Abstr.) **(Scr)**

METHODS

False diagnosis of acoustic neuroma due to subdural injection during gas CT cisternogram. Larsson EM, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1025–6

PNEUMOGASTRIC NERVE see **VAGUS NERVE**

PNEUMOMEDIASTINUM see **MEDIASTINAL EMPHYSEMA**

PNEUMOMEDIASTINUM, DIAGNOSTIC

Computed tomography findings in tuberculous mediastinitis. Mendelson DS, et al. **J Comput Tomogr** 1987 Apr; 11(2):123–7

Computed tomography of the aortopulmonary window: normal anatomy and pathology. Shin MS, et al. **J Comput Tomogr** 1987 Apr;11(2):111–22

[Mediastinal lymph nodes in the computerized tomography picture of lung cancer] Brzecka A, et al. **Pneumonol Pol** 1986 Nov;54(11):497–503 (Eng. Abstr.) **(Pol)**

PNEUMONECTOMY

Static mechanical properties of lungs from adrenalectomized pneumonectomized rats. Bennett RA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E6–11

High–frequency jet ventilation for resection of congenital lobar emphysema. Goto H, et al. **Anesth Analg** 1987 Jul; 66(7):684–6

The acute effects of pneumonectomy on pulmonary vascular impedance in the dog. Crouch JD, et al. **Ann Thorac Surg** 1987 Jun;43(6):613–6

Postpneumonectomy tension chylothorax. Karwande SV, et al. **Ann Thorac Surg** 1986 Nov;42(5):585–6

Delivery of intraoperative radiation therapy after pneumonectomy: experimental observations and early clinical results. Pass HI, et al. **Ann Thorac Surg** 1987 Jul; 44(1):14–20

Cardiac dysrhythmia following pneumonectomy. Clinical correlates and prognostic significance. Krowka MJ, et al. **Chest** 1987 Apr;91(4):490–5

Predicting postpneumonectomy FEV1. Half empty or half full? [letter] Olsen GN. **Chest** 1987 Apr;91(4):635–6

Experience in surgical management of drug–resistant pulmonary metastatic choriocarcinoma. Sun CF, et al. **Chin Med J [Engl]** 1986 Oct;99(10):779–81

Haemodynamic and respiratory effects of post–operative doxapram and almitrine in patients following pneumonectomy. Laxenaire MC, et al. **Eur J Anaesthesiol** 1986 Jul;3(4):259–71

Metastatic osteosarcoma and multiple lung resection. A case report. Blasier D, et al. **J Bone Joint Surg [Br]** 1986 Nov; 68(5):748–50

Evaluation of the bronchial stump following pulmonary resection. Martinez–Frontanilla LA, et al. **J Pediatr Surg** 1987 Apr;22(4):369

Bronchial sleeve resection with and without pulmonary resection. Frist WH, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):350–7

Dilatation, compensatory growth, or both after pneumonectomy during childhood and adolescence. A thirty–year follow–up study. Laros CD, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):570–6

Anatomic and anesthetic considerations in experimental cardiopulmonary surgery in swine. Swindle MM, et al. **Lab Anim Sci** 1986 Aug;36(4):357–61

Fiberoptic bronchoscopy (FBS) after surgery on chest. Cecere C, et al. **Panminerva Med** 1986 Jul–Sep;28(3):201–2

The temporary unilateral bronchial occlusion with fiberoptic bronchoscope in patients undergoing lung resection. Consigli GF, et al. **Panminerva Med** 1986 Jul–Sep; 28(3):255–7

Right–pneumonectomy syndrome: radiologic findings and CT correlation. Shepard JA, et al. **Radiology** 1986 Dec; 161(3):661–4

The value of 99mTc macroaggregated albumin lung perfusion scanning in the prediction of postpneumonectomy function and pulmonary artery pressure. Julius AJ, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):81–5

Extended intrathoracic resection for lung cancer. Follow–up of 49 cases. Sellman M, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):69–72

Use of radionuclide scanning in the preoperative estimation of pulmonary function after pneumonectomy. Corris PA, et al. **Thorax** 1987 Apr;42(4):285–91

Treatment of small cell lung cancer by pneumonectomy and single course high dose chemotherapy. Littlewood TJ, et al. **Thorax** 1987 Apr;42(4):315–6

[Pressure changes in the pulmonary artery during general anesthesia and in different ventilation regimens in thoracic surgery] Iordanov I, et al. **Khirurgiia (Sofiia)** 1986; 39(3):10–6 **(Bul)**

[Factors influencing prognosis of pulmonary resection in elderly lung cancer patients] Gu YQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):4–7, 61 (Eng. Abstr.) **(Chi)**

[Successful resection of the tracheal bifurcation with right upper lobectomy for a malignant tumor in the carina region] Hájek M. **Rozhl Chir** 1987 Mar;66(3):163–7 (Eng. Abstr.) **(Cze)**

[The effect of doxapram after thoracotomy] Olsen KH, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2551–4 (Eng. Abstr.) **(Dan)**

[Test of preoperative unilateral occlusion of the pulmonary artery at rest and during exercise. Its place in the study of functional respiratory and right and left cardiac tolerance of extensive pulmonary excisions] Chidler H, et al. **Ann Chir** 1986 Nov;40(8):602–9 (Eng. Abstr.) **(Fre)**

[Value of right cardiac exploration (test of pulmonary artery occlusion at rest and during exercise) in the preoperative functional evaluation of pulmonary excision for cancer] Richelme H, et al. **Ann Chir** 1986 Nov;40(8):610–1 (Eng. Abstr.) **(Fre)**

[Heart dislocation following extensive lung resection with partial pericardial resection] Groh J, et al. **Anaesthesist** 1987 Apr;36(4):182–4 (Eng. Abstr.) **(Ger)**

[Use of the double–lumen tracheostomy tube (Tracheopart) in bronchial stump insufficiency in long–term artificial respiration. Case report] Rommelsheim K. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):270–2 (Eng. Abstr.) **(Ger)**

[Bronchial carcinoma and pulmonary hypertension. Significance for lung resection] Konietzko N, et al. **Dtsch Med Wochenschr** 1986 Nov 28;111(48):1830–3 (Eng. Abstr.) **(Ger)**

[Endoscopic management of bronchial stump fistulas with fibrin glue] Straub H, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):185–9 (Eng. Abstr.) **(Ger)**

[Recurrent heart dislocation following intrapericardial pneumonectomy] Gräbner D, et al. **Zentralbl Chir** 1987; 112(3):192–7 **(Ger)**

[Considerations and results on 37 cardiopathic patients subjected to thoraco–pulmonary surgery] Chiesa G, et al. **Minerva Chir** 1987 May 31;42(10):873–7 (Eng. Abstr.) **(Ita)**

[Combined radiotherapy and resection in carcinoma of the lung] Amino S, et al. **Gan No Rinsho** 1986 Oct; 32(13):1743–51 (Eng. Abstr.) **(Jpn)**

[Adjuvant therapy in resectable non–small cell lung cancer] Hashimoto K, et al. **Gan No Rinsho** 1986 Oct;32(13):1752–6 (Eng. Abstr.) **(Jpn)**

[Preoperative prediction of postoperative lung function using 81mKr ventilation lung scintigram] Kaneda M, et al. **Kokyu To Junkan** 1987 Jan;35(1):47–50 **(Jpn)**

[Two resected cases of long–standing intrapulmonary needle over 30 years] Akashi A, et al. **Kyobu Geka** 1987 Apr; 40(5):421–4 (Eng. Abstr.) **(Jpn)**

[Pulmonary vasodilator therapy in pneumonectomized patients: hemodynamic effect of nifedipine] Takeda S, et al. **Kyobu Geka** 1986 Aug;39(8):612–6 (Eng. Abstr.) **(Jpn)**

[Bronchial growth following sleeve lobectomy in puppies] Tomita M, et al. **Kyobu Geka** 1987 Mar;40(4):303–6 (Eng. Abstr.) **(Jpn)**

[Independent lung ventilation with unilateral high–frequency jet ventilation during pulmonary surgery] Ikeda K. **Masui** 1986 Dec;35(12):1850–8 (Eng. Abstr.) **(Jpn)**

[Role of pulmonary resection in the management of patients with metastatic bone and soft tissue sarcomas] Amino K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):998–1007 (Eng. Abstr.) **(Jpn)**

[Pulmonary resection by microwave tissue coagulator (MTC)—clinical application] Inoue S, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):743–5 (Eng. Abstr.) **(Jpn)**

[Prediction study of risk factors of postoperative complications following pulmonary resection—multivariate statistical analysis] Hara F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):851–6 (Eng. Abstr.) **(Jpn)**

[Application of diaphragm pacing in two postoperative lung cancer patients] Kido T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):260–3 (Eng. Abstr.) **(Jpn)**

[Experimental study of the changes in hemodynamics and cardiac function after combined left atrium resection in lung cancer (second report)] Yamamoto N. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):205–12 (Eng. Abstr.) **(Jpn)**

[Characteristics of development of the rat embryonal lung after resection of the maternal lung] Lisatova NG, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):495–8 (Eng. Abstr.) **(Rus)**

[Ventilation and blood flow of the solitary lung in the early postoperative period (data of zonal rheography)] Ivan'ko TP, et al. **Grudn Khir** 1987 Mar–Apr;(2):75–8 (Eng. Abstr.) **(Rus)**

[Clinico–functional evaluation of the results of lung resection in children] Leniushkin AI, et al. **Grudn Khir** 1986 Nov–Dec;(6):52–6 (Eng. Abstr.) **(Rus)**

[Bronchoplastic operations in bilateral metachronous lung cancer] Trunov AD, et al. **Grudn Khir** 1987 Mar–Apr; (2):88–9 **(Rus)**

[Surgical treatment of stage I lung cancer] Biriukov IuV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):16–9 (Eng. Abstr.) **(Rus)**

[Complications of the surgical treatment of lung cancer in elderly patients] Shulutko ML, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):100–3 **(Rus)**

[Organizational problems of improving pulmonary surgery] Slepukha IM. **Klin Khir** 1986;(10):44–5 **(Rus)**

[Role of lung resection in the prevention of chronic destructive forms of tuberculosis] Voloshin IaM. **Klin Khir** 1986;(10):35–7 (Eng. Abstr.) **(Rus)**

[Effectiveness of the use of hydrogen peroxide in preventing postoperative wound infection] Aliev AA, et al. **Probl Tuberk** 1987;(2):61–2 **(Rus)**

[Recovery of lung airtightness after resection using temporary bronchial occlusion] Al'tman EI, et al. **Probl Tuberk** 1986;(9):37–40 (Eng. Abstr.) **(Rus)**

[Status of phthisiosurgical services in the Moldavian S.S.R] Groza GN. **Probl Tuberk** 1987;(2):5–8 (Eng. Abstr.) **(Rus)**

[Status and prospects of surgical services for patients with pulmonary tuberculosis in the Russian S.F.S.R.] Strel'tsov VP. **Probl Tuberk** 1987;(2):3–5 (Eng. Abstr.) **(Rus)**

[Complex antibacterial therapy and surgical interventions in patients with newly diagnosed destructive pulmonary tuberculosis] Tarasov AS, et al. **Probl Tuberk** 1987;(2):41–3 **(Rus)**

[Prognostic value of functional methods of studying

respiration and circulation in lung cancer surgery] Buravtsov VI. **Vestn Khir** 1986 Dec;137(12):7–11 (Eng. Abstr.) **(Rus)**

[Value of glue aerostasis in operative pulmonology] Levashev IuN, et al. **Vestn Khir** 1986 Sep;137(9):137–8 **(Rus)**

[Dependence of the cardiac pumping function on arterial resistance in lung cancer and in the stages of its surgical treatment] Lytkin MI, et al. **Vestn Khir** 1986 Oct; 137(10):3–7 (Eng. Abstr.) **(Rus)**

[Immediate and long-term results of pulmonary resection in bronchiectasis] Voronov AA, et al. **Vestn Khir** 1986 Dec; 137(12):3–6 (Eng. Abstr.) **(Rus)**

[Shunts in thoracotomy and lung resection] Maldini B, et al. **Piucne Bolesti** 1986 Jan–Mar;38(1):32–6 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Herniation of the heart. A death following intrapericardial pneumonectomy. Wolodzko AA, et al.
Am J Forensic Med Pathol 1986 Sep;7(3):260–2

A modified pectoralis muscle flap for closure of postpneumonectomy esophagopleural fistula: technique and results. Mud HJ, et al. **Ann Thorac Surg** 1987 Apr; 43(4):359–62

Postpneumonectomy bronchopleural fistula imaged by ventilation lung scanning. Moote D, et al.
Clin Nucl Med 1987 Apr;12(4):337–8

Post lobectomy atelectasis: the use of a Servo 900 B as a high-frequency ventilator. West KJ, et al.
Intensive Care Med 1987;13(1):78–80

Cardiopulmonary hypoxic response 5 years postpneumonectomy in beagles. Murray GF, et al.
J Surg Res 1986 Sep;41(3):236–44

Bronchopleural fistula after pneumonectomy [letter] Matsumiya N, et al. **Thorax** 1986 Nov;41(11):896

[Respiratory function state and immediate postoperative complications in excision for cancer] Ranson-Bitker B, et al. **Ann Chir** 1986 Nov;40(8):597–602 (Eng. Abstr.) **(Fre)**

[Radioclinical comparisons after pneumonectomy. A retrospective study of 110 cases] Valverde JP, et al.
Ann Chir 1986 Nov;40(8):572–6 (Eng. Abstr.) **(Fre)**

[Respiratory insufficiency after pneumonectomy due to an intracardiac right-left shunt] Wihlm JM, et al.
Ann Chir 1986 Nov;40(8):611–6 (Eng. Abstr.) **(Fre)**

[Endoscopic treatment of bronchial stump insufficiency with fibrin adhesive in animal experiments] Waclawiczek HW, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(5):305–8 (Eng. Abstr.) **(Ger)**

[Re-thoracotomy in children in the early postoperative period] Avilova OM, et al. **Klin Khir** 1987;(6):66–7 **(Rus)**

[Control and correction of the formation of fibrothorax after pulmonectomy using ultrasonic echotomography] Naumov VN, et al. **Probl Tuberk** 1987;(5):43–5 (Eng. Abstr.) **(Rus)**

HISTORY

[Victor Ivanovich Struchkov and his role in the development of lung surgery in the USSR (on his 80th birthday)] Perel'man MI. **Grudn Khir** 1987 Jul–Aug;(4):5–10 **(Rus)**

INSTRUMENTATION

[Absorbable synthetic clips and pulmonary excision. Our clinical experience] Nguyen H, et al. **J Chir (Paris)** 1987 Feb;124(2):113–8 (Eng. Abstr.) **(Fre)**

METHODS

Extrapleural pneumonectomy for diffuse, malignant mesothelioma. DaValle MJ, et al. **Ann Thorac Surg** 1986 Dec;42(6):612–8

Sleeve lobectomy for bronchogenic carcinoma: the Rush-Presbyterian-St. Luke's Medical Center experience. Jensik RJ, et al. **Int Surg** 1986 Oct–Dec;71(4):207–10

Sleeve resection and other bronchoplasties in the surgery of bronchogenic tumors. Keszler P. **Int Surg** 1986 Oct–Dec; 71(4):229–32

Sleeve lobectomy in the treatment of bronchogenic carcinoma. Sartori F, et al. **Int Surg** 1986 Oct–Dec; 71(4):233–6

Bronchoplastic and angioplastic operation in bronchial carcinoma: long-term results of a retrospective analysis from 1973 to 1983. Vogt-Moykopf I, et al. **Int Surg** 1986 Oct–Dec;71(4):211–20

Pulmonary resection in the prone position for suppurative lung disease in children. Conlan AA, et al.
J Thorac Cardiovasc Surg 1986 Nov;92(5):890–3

Radical lobectomy with mediastinal node dissection (3 year follow-up). Paletto AE, et al. **Panminerva Med** 1986 Oct–Dec;28(4):307–11

Regional lung function following sleeve lobectomy. Ratto GB, et al. **Panminerva Med** 1986 Oct–Dec;28(4):335–8

[Homolateral re-resection of the lung after partial pneumonectomy] Cao XS, et al.
Chung Hua Wai Ko Tsa Chih 1986 Mar;24(3):167–9, 189 (Eng. Abstr.) **(Chi)**

[Bifurcated resection in the surgical treatment of central non-small cell T3 carcinoma] Weber J, et al.
Zentralbl Chir 1986;111(14):844–52 (Eng. Abstr.) **(Ger)**

[Reconstruction of the segmental bronchi] Ishihara T, et al.
Kyobu Geka 1986 Nov;39(11):850–4 (Eng. Abstr.) **(Jpn)**

[Tracheobronchoplastic procedures in the treatment of lung cancer] Suzuki T, et al. **Kyobu Geka** 1987 Apr;40(5):368–72 (Eng. Abstr.) **(Jpn)**

[Evaluation of surgical procedures of patients over 70 years of age with stage Ia lung cancer] Togashi K, et al.
Kyobu Geka 1987 May;40(6):484–6 (Eng. Abstr.) **(Jpn)**

[Right sleeve pneumonectomy after bronchial arterial infusion in lung cancer] Masuda H, et al.
Nippon Gan Chiryo Gakkai Shi 1986 Oct 20;21(9):2228–33 (Eng. Abstr.) **(Jpn)**

[Left sleeve pneumonectomy of a patient with pulmonary blastoma required for stump recurrence after left upper lobectomy] Shiraishi Y, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Nov; 34(11):2028–32 (Eng. Abstr.) **(Jpn)**

[Experimental study of combined left atrium resection for lung cancer] Yamamoto N.
Nippon Kyobu Geka Gakkai Zasshi 1986 Jul;34(7):958–65 (Eng. Abstr.) **(Jpn)**

[Method of connecting the trachea to a bronchus] Dzhafarov ChM. **Grudn Khir** 1986 Jul–Aug;(4):64–6 **(Rus)**

[Comparative analysis of methods of removing pathologic structures from the lungs] Nedvetskiĭ AV, et al.
Grudn Khir 1986 Jul–Aug;(4):56–9 (Eng. Abstr.) **(Rus)**

[Reinforcement of the posterior wall of the bronchial stump using teflon fabric following pulmonary resection] Muromskiĭ IuA, et al. **Khirurgiia (Mosk)** 1986 Nov; (11):85–90 (Eng. Abstr.) **(Rus)**

[Limited resection in cancer of the lung] Alekseenko AV, et al. **Klin Khir** 1987;(5):20–3 (Eng. Abstr.) **(Rus)**

[Possibilities of the cryogenic method in the treatment of malignant tumors of the lungs] Zakharychev VD, et al. **Klin Khir** 1986;(10):32–4 (Eng. Abstr.) **(Rus)**

[Obliteration of the pleural cavity after complicated pneumonectomy by thoracoplasty in combination with pneumoperitoneum] Iurin VF, et al. **Probl Tuberk** 1986; (11):64 **(Rus)**

[Increasing role of surgical methods in treating patients with pulmonary tuberculosis] Zhadnov VZ, et al.
Probl Tuberk 1987;(2):8–10 (Eng. Abstr.) **(Rus)**

[Surgical procedure in bilateral resections of the lungs of tuberculosis patients] Zhadnov VZ, et al. **Probl Tuberk** 1986;(8):46–9 (Eng. Abstr.) **(Rus)**

[Combined surgical interventions in disseminated forms of lung cancer] Kotliarov EV. **Vestn Khir** 1987 Mar; 138(3):12–6 (Eng. Abstr.) **(Rus)**

[Use of free skin grafts for additional strengthening of bronchial stumps] Sardak VG, et al. **Vrach Delo** 1987 Feb; (2):29–32 (Eng. Abstr.) **(Rus)**

MORTALITY

[Clinical factors effecting results of therapy in post-surgical stage Ia lung cancer] Mitani N, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Sep;34(9):1648–54 (Eng. Abstr.) **(Jpn)**

[Postoperative complications and mortality after extended and combined operations in lung cancer] Laktionov KP, et al. **Grudn Khir** 1987 Mar–Apr;(2):69–72 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Respiratory care for pulmonary resection in geriatric patients with bronchogenic carcinoma] Kikuchi K, et al.
Gan To Kagaku Ryoho 1986 Oct;13(11):3114–8 (Eng. Abstr.) **(Jpn)**

[Criteria of the work capacity of patients after radical surgery of lung cancer] Grachev AD, et al. **Grudn Khir** 1986 Sep–Oct;(5):54–7 (Eng. Abstr.) **(Rus)**

[Results of surgical treatment and sanatorium-health resort rehabilitation of children with chronic suppurative lung diseases] Tsimbalista OL, et al. **Klin Khir** 1987;(6):63–5 **(Rus)**

[Optimization of the motor regimen after operations on the lungs] Klapchuk VV. **Vestn Khir** 1987 Jan;138(1):73–4 **(Rus)**

[Bicycle ergometry in the rehabilitation of patients after lung operations] Sokolov SB, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1987 Mar–Apr; (2):46–9 **(Rus)**

VETERINARY

Surgical approaches and techniques for managing pulmonary disease. Caywood DD, et al.
Vet Clin North Am [Small Anim Pract] 1987 Mar; 17(2):449–67 (7 ref.)

Cardiovascular, biochemical and radiographic evaluation of pulmonary lobectomy by rib resection and mid sternal approach in calves under halothane anaesthesia and intermittent positive pressure ventilation. Sobti VK, et al.
Zentralbl Veterinarmed [A] 1987 Jun;34(6):465–75

PNEUMONIA

The spectrum of pneumonia in 1983 at the Riyadh Armed Forces Hospital. Mohamed AR, et al. **J Infect** 1987 Jan; 14(1):31–7

Clostridial infections of the lungs and pleura. Bekemeyer WB Jr. **South Med J** 1986 Nov;79(11):1393–7

Acute respiratory infections (ARI) in children. Savage F. **Trop Doct** 1987 Apr;17(2):49–51

[Experimental Pseudomonas pneumonia model in normal mice] Kohno S, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1165–71 (Eng. Abstr.) **(Jpn)**

BLOOD

Effects of wrapped supine, unwrapped supine and prone positions on transcutaneous oxygen tension in neonatal pneumonia. Li Z, et al. **Chin Med J [Engl]** 1986 Dec; 99(12):945–7

Viral-bacterial pneumonia in calves: effects on plasma eicosanoids and long chain fatty acids. Emau P, et al.
Int J Tissue React 1987;9(3):199–214

Serum concentrations of penicillin after intramuscular administration of procaine, benzyl, and benethamine penicillin in children with pneumonia. Shann F, et al.
J Pediatr 1987 Feb;110(2):299–302

[Evaluation of serum ferritin levels in newborn infants with septicemia and pneumonia] Godula-Stuglik U, et al.
Pediatr Pol 1986 Dec;61(12):798–802 (Eng. Abstr.) **(Pol)**

[Long-term leukemoid reaction of the eosinophilic type] Arakcheev AI, et al. **Gematol Transfuziol** 1987 Jun; 32(6):58–60 **(Rus)**

[Receptors for thrombin on lymphocytes and their subpopulations] Kusel'man AI. **Gematol Transfuziol** 1987 May;32(5):17–20 (Eng. Abstr.) **(Rus)**

[Hemostatic function of young patients with acute pneumonia] Mednikov BL. **Klin Med (Mosk)** 1986 Aug; 64(8):71–6 (Eng. Abstr.) **(Rus)**

[Detection of lipid metabolism disorders by the technic of in vitro serum incubation] Gribanov GA, et al.
Lab Delo 1987;(3):207–11 (Eng. Abstr.) **(Rus)**

[Changes in the vitamin E content and the efficacy of its use in pneumonia in children] Guselnov LM, et al.
Pediatriia 1986 Oct;(10):78–9 **(Rus)**

[Serum elastase, proelastase and free hydroxyproline in acute pneumonia] Gembitskiĭ EV, et al. **Sov Med** 1986;(12):7–11 (Eng. Abstr.) **(Rus)**

[Various indices of nonspecific resistance in pneumonia patients] Nagoev BS. **Sov Med** 1987;(6):58–9 **(Rus)**

[Phospholipids in nonspecific lung diseases] Razin AS, et al.
Sov Med 1986;(7):93–5 **(Rus)**

CHEMICALLY INDUCED

Effect of vehicular volume on the early pulmonary injury and inflammatory response in rats inoculated intratracheally with silica. Lopez A, et al.
Am J Vet Res 1987 Aug;48(8):1282–5

Acute and latent pneumonitis after subcutaneous injections of silicone in transsexual men. Chastre J, et al.
Am Rev Respir Dis 1987 Jan;135(1):236–40

Tissue fibrin deposition during acute lung injury in rabbits and its relationship to local expression of procoagulant and fibrinolytic activities. Sitrin RG, et al.
Am Rev Respir Dis 1987 Apr;135(4):930–6

Natural course of bleomycin-induced pneumonitis. A follow-up study. Van Barneveld PW, et al.
Am Rev Respir Dis 1987 Jan;135(1):48–51

Leukocyte migration inhibition in methotrexate-induced pneumonitis. Evidence for an immunologic cell-mediated mechanism. Akoun GM, et al. **Chest** 1987 Jan;91(1):96–9

Bronchoalveolar lavage in amiodarone pneumonitis. Cellular abnormalities and their relevance to pathogenesis. Israël-Biet D, et al. **Chest** 1987 Feb;91(2):214–21

Gold pneumonitis. A case report with electronmicroscopy and electron probe analysis. Lertratanakul Y, et al.
Clin Exp Rheumatol 1986 Oct–Dec;4(4):371–4

Pulmonary complications following methotrexate therapy. Phillips TJ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):373–5

[Inhalation pneumonia presenting as a pneumocystis infection] de Fenoyl O, et al. **Rev Mal Respir** 1987; 4(2):97–100 (Eng. Abstr.) **(Fre)**

[Nomifensine-induced fever with pericardial effusion, basal lung infiltration and pseudo-Pelger-Huet anomaly. A case report] Rüthlein J, et al. **Med Klin** 1986 Sep 12; 81(18–19):619–22 **(Ger)**

[Analysis of alveolitis (pneumonitis) as a complication of cytostatic (CMF) therapy] Tallósy I, et al. **Orv Hetil** 1987 Aug 2;128(31):1621–2 (Eng. Abstr.) **(Hun)**

[Pulmonary changes in poisoning with petroleum derivatives] Egge T, et al. **Tidsskr Nor Laegeforen** 1987 May 30; 107(15):1356–8 (Eng. Abstr.) **(Nor)**

[Severe course of gasoline-induced pneumonia with toxic myocarditis and nephritis] Mashagatov VF, et al.
Klin Med (Mosk) 1986 Aug;64(8):128–9 **(Rus)**

[Pneumonitis from amiodarone. Apropos of 8 new cases (letter)] Boada JE, et al. **Rev Clin Esp** 1987 Jun;181(1):52–3 **(Spa)**

CLASSIFICATION

[Prognosis of different variants of the course of acute pneumonia] Polozhentsev SD, et al. **Voen Med Zh** 1987 Feb;(2):29–32 **(Rus)**

COMPLICATIONS

Giant cell pneumonia in Letterer–Siwe disease. Shimizu T, et al. **Acta Pathol Jpn** 1987 Mar;37(3):493–501

Role of inflammation and inflammatory mediators in airways disease. Lazarus SC. **Am J Med** 1986 Nov 14;81(5A):2–7 (63 ref.)

Nocardia pneumonitis and the adult respiratory distress

syndrome. Schulman LL, et al. **Am J Med Sci** 1987 May; 293(5):315–9

Demonstration of intrapleural immunoglobulin synthesis by agarose gel isoelectric focusing. A new specific method for the diagnosis of pleural effusions of inflammatory origin? Roström B, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1036–9

The influence of inhalation injury and pneumonia on burn mortality. Shirani KZ, et al. **Ann Surg** 1987 Jan;205(1):82–7

Pulmonary fibrosis following pneumonia due to acute Legionnaires' disease. Clinical, ultrastructural, and immunofluorescent study. Chastre J, et al. **Chest** 1987 Jan; 91(1):57–62

Pseudomonas stutzeri pneumonia and septicemia in a patient with multiple myeloma. Potvliege C, et al. **J Clin Microbiol** 1987 Feb;25(2):458–9

Tension pneumatocoele complicating severe cavitating pneumonia in an infant: a case report. Ng Leong Fook, et al. **Med J Malaysia** 1986 Mar;41(1):48–50

Sudden onset of high fever and tachypnea. Swischuk LE. **Pediatr Emerg Care** 1987 Mar;3(1):53–4

Apnea in infants with Chlamydia trachomatis pneumonia. Brayden RM, et al. **Pediatr Infect Dis J** 1987 Apr; 6(4):423–5

T-cell lymphoblastic lymphoma of the uterus complicated by Chlamydia trachomatis pneumonia. Cunningham D, et al. **Postgrad Med J** 1986 Jan;62(723):55–7

Recurrent pulmonary infections in patients with chronic lymphocytic leukemia and hypogammaglobulinemia. Freeland HS, et al. **South Med J** 1986 Nov;79(11):1366–9

[Cytomegalovirus-associated superinfection of the lung following kidney transplantation] Bittner K, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):214–8 (Eng. Abstr.) **(Ger)**

[B streptococcal infection and right-sided diaphragmatic hernia—chance coincidence or causal relation?] Kraeft H, et al. **Med Klin** 1986 Feb 14;81(3):112–4 **(Ger)**

[Clinico-experimental basis for using thymalin in thymomegaly associated with pneumonia in young children] Kurbanov TG, et al. **Pediatriia** 1986 Dec; (12):34–7 (Eng. Abstr.) **(Rus)**

[Hemostatic disorder and methods of correcting it in focal-secretory and complicated pneumonias in children] Malakhovskii IuE, et al. **Pediatriia** 1987;(3):105–7 **(Rus)**

[Etiology of synpneumonic pleurisy and the development of pulmonary destruction] Manerov FK, et al. **Pediatriia** 1987; (1):13–7 (Eng. Abstr.) **(Rus)**

[Acute cor pulmonale in young children] Tabolin VA, et al. **Pediatriia** 1987;(2):27–31 (Eng. Abstr.) **(Rus)**

[Bronchiolithiasis complicated by pulmonary hemorrhage and abscessing pneumonia] Filippov VP, et al. **Probl Tuberk** 1987;(3):72–3 **(Rus)**

[Acute pneumonia complicating chronic pyelonephritis in persons over 60-years-old] Nonikov VE, et al. **Ter Arkh** 1987;59(1):97–101 (Eng. Abstr.) **(Rus)**

[Infectious-toxic (septic) shock in acute pneumonia] Sil'vestrov VP, et al. **Ter Arkh** 1986;58(10):20–3 **(Rus)**

[Acute pneumonia as a risk factor in the development of chronic bronchitis] Gogin EE, et al. **Voen Med Zh** 1986 Oct;(10):26–9 **(Rus)**

[Ambulatory mass screening for preventing and improving the outcome of acute pneumonia in military personnel] Kliachkin LM, et al. **Voen Med Zh** 1987 Feb;(2):18–21 **(Rus)**

[Bronchocytologic examination of siderosilicosis patients] Krivonos AP. **Vrach Delo** 1987 May;(5):102–4 (Eng. Abstr.) **(Rus)**

[Features of the course of acute pneumonia in diabetes mellitus patients] Trusov VV, et al. **Vrach Delo** 1987 Feb; (2):39–41 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Clinical picture and treatment of pneumonia in full-term newborn infants during the 1st days of life] Levitskaia SK, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):63–4 **(Rus)**

DIAGNOSIS

Present occurrence and diagnostic problems of acute pneumonia. Krčová V, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;114:233–42

Bronchoscopic diagnosis of cytomegalovirus pneumonia following pediatric bone marrow transplantation. McCray PB Jr, et al. **Am J Pediatr Hematol Oncol** 1986 Winter; 8(4):338–41

Diagnosis of nosocomial pneumonia in intubated, intensive care unit patients. Salata RA, et al. **Am Rev Respir Dis** 1987 Feb;135(2):426–32

Severe recurrent pneumonia and wheezing in a young infant. Levy DS, et al. **Ann Allergy** 1987 Apr;58(4):241–2, 271–2

Cytomegalovirus pneumonitis and lobar consolidation. Schulman LL. **Chest** 1987 Apr;91(4):558–61

Diagnosis of bacterial infections of the lung. Bartlett JG. **Clin Chest Med** 1987 Mar;8(1):119–34

Serum adenosine deaminase activity in the differentiation of respiratory diseases in children. Yasuhara A, et al. **Clin Chim Acta** 1986 Dec 30;161(3):341–5

Bacterial pneumonia: specific diagnosis and treatment of the elderly. Gleckman RA, et al. **Geriatrics** 1987 Sep; 42(9):29–36, 41

Pneumonia in the newborn. Bhakoo ON. **Indian J Pediatr** 1987 Mar-Apr;54(2):199–204

Bacteremic hemophilus influenzae pneumonia. Goshorn RK. **Indiana Med** 1987 Feb;80(2):148–9

Recrudescent pulmonary melioidosis. A case report involving the so-called 'Vietnamese time bomb'. Goshorn RK. **Indiana Med** 1987 Mar;80(3):247–9

Nursing home-acquired pneumonia. A case-control study. Marrie TJ, et al. **J Am Geriatr Soc** 1986 Oct;34(10):697–702

Commercial latex agglutination tests for detection of Haemophilus influenzae type b and Streptococcus pneumoniae antigens in patients with bacteremic pneumonia. Ajello GW, et al. **J Clin Microbiol** 1987 Aug; 25(8):1388–91

Nonvalue of sputum culture in the management of lower respiratory tract infections. Lentino JR, et al. **J Clin Microbiol** 1987 May;25(5):758–62

Detection of Streptococcus pneumoniae and Haemophilus influenzae type b antigens in acute nonbacteremic pneumonia. Martin SJ, et al. **J Clin Microbiol** 1987 Feb; 25(2):248–50

The aetiology of pneumonia. Application of bacterial serology and basic laboratory methods. Kerttula Y, et al. **J Infect** 1987 Jan;14(1):21–30

Diagnosing bacterial respiratory infection by bronchoalveolar lavage. Kahn FW, et al. **J Infect Dis** 1987 May;155(5):862–9

Bronchoalveolar lavage for diagnosing acute bacterial pneumonia. Thorpe JE, et al. **J Infect Dis** 1987 May; 155(5):855–61

Rapid diagnosis of Chlamydia trachomatis pneumonia in infants by direct immunofluorescence microscopy of nasopharyngeal secretions. Paisley JW, et al. **J Pediatr** 1986 Oct;109(4):653–5

Rocky Mountain spotted fever manifested by cerebritis and pneumonitis. Garg P, et al. **Md Med J** 1987 Apr;36(4):343–5

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37-1987. A 50-year-old man with bilateral pneumonia and respiratory failure. **N Engl J Med** 1987 Sep 10;317(11):694–702

Fusarium moniliforme pneumonia. Zach TL, et al. **Nebr Med J** 1987 Jan;72(1):6–9

Microbiology of endotracheal aspirates in intubated pediatric intensive care unit patients: correlations with radiographic findings. Golden SE, et al. **Pediatr Infect Dis J** 1987 Jul; 6(7):665–9

Pneumonias acquired from others. 1. History, examination, laboratory findings. Cunha BA. **Postgrad Med** 1987 Aug; 82(2):126–8, 130–2, 134–40

Enterobacter pneumonia. Karnad A, et al. **South Med J** 1987 May;80(5):601–4

Rapid identification of Klebsiella pneumoniae in the lung tissue by fluorescence microscopy. Senba M, et al. **Tohoku J Exp Med** 1986 Jul;149(3):341–2

Bacteriological and serological diagnosis of community-acquired acute pneumonia, specially Legionnaire's disease. Multicentric prospective study of 274 hospitalized patients. Bornstein N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1-2):93–101

[Clinical analysis of 15 cases of embolic and necrotic pneumonia and an approach to the causes of misdiagnosis] Zhao HR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):270–2, 318 (Eng. Abstr.) **(Chi)**

[Chronic cryptogenic pneumonia] Cordier JF, et al. **Rev Mal Respir** 1986;3(5):269–71 (Eng. Abstr.) **(Fre)**

[Bioclinical correlation of pneumology Laennec Hospital. Case n. 7: 1985 november. Febrile dyspneic pneumopathy in a 47-year-old woman] Clerici C, et al. **Rev Pneumol Clin** 1987;43(3):160–6 **(Fre)**

[Aspergillus pneumonia] Grünewald R, et al. **Z Erkr Atmungsorgane** 1986;167(1-2):123–9 (Eng. Abstr.) **(Ger)**

[AIDS complications of the lung] Renovanz HD. **Z Erkr Atmungsorgane** 1986;167(1-2):12–7 (Eng. Abstr.) **(Ger)**

[The circumstances of an accident as a misleading factor in therapeutic management] Marcinkowski T. **Wiad Lek** 1986 Oct 1;39(19):1358–61 (Eng. Abstr.) **(Pol)**

[Pulmonary syphilis] Mikhallov FA. **Klin Med (Mosk)** 1986 Dec;64(12):47–51 **(Rus)**

[Ways of improving the etiologic diagnosis of acute pneumonia and pleurisy in children] Katosova LK, et al. **Pediatriia** 1987;(1):9–13 (Eng. Abstr.) **(Rus)**

[Official registration of the final clinical and pathologo-anatomic diagnosis of acute pneumonia in young children] Kovalenko VL, et al. **Pediatriia** 1986 Sep;(9):68–9 **(Rus)**

[Diagnostic and treatment difficulties in destructive pneumonias in newborn infants] Vereskova NE, et al. **Pediatriia** 1986 Oct;(10):60–1 **(Rus)**

[Protracted pneumonias in persons with chronic respiratory diseases and post-tuberculous changes in the lungs] Svistunova AS, et al. **Probl Tuberk** 1986;(8):22–4 (Eng. Abstr.) **(Rus)**

[Clinico-microbiological aspects of acute pneumonia] Dratvin SA, et al. **Sov Med** 1987;(2):70–1 **(Rus)**

[Characteristics of the diagnosis and treatment of secondary pneumonia in acute leukemia] Iakovlev VN, et al. **Ter Arkh** 1987;59(6):21–7 (Eng. Abstr.) **(Rus)**

[Acute suppurative destructive pneumonias in children] Sergeev VM, et al. **Vestn Khir** 1986 Oct;137(10):78–83 (Eng. Abstr.) **(Rus)**

[Early diagnosis of secondary pneumonia in trauma patients] Pukach LP, et al. **Voen Med Zh** 1987 Mar;(3):52–3 **(Rus)**

[Comparative evaluation of the erythrocyte sedimentation rate and sigma-ESR methods in diagnosing acute pneumonia and chronic bronchitis] Belitskaia GA, et al. **Vrach Delo** 1986 Aug;(8):49–50 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of acute pneumonias in diabetics] Gruzina EA, et al. **Vrach Delo** 1987 Jul;(7):47–9 (Eng. Abstr.) **(Rus)**

[Functional indices in the differential diagnosis of chronic bronchitis and pneumonias] Ivaniuta OM, et al. **Vrach Delo** 1987 Mar;(3):50–3 (Eng. Abstr.) **(Rus)**

[Leukocyte migration and the NBT test indices in acute and protracted forms of pneumonia] Shcherbakov VI, et al. **Vrach Delo** 1986 Dec;(12):72–5 (Eng. Abstr.) **(Rus)**

[Indices of immunologic reactivity in the diagnosis of the post-infarct syndrome] Shpak VP. **Vrach Delo** 1987 Jun; (6):67–9 (Eng. Abstr.) **(Rus)**

[Importance of test chemotherapy in the differential diagnosis of pulmonary tuberculosis and nonspecific pneumonia] Tkach EA. **Vrach Delo** 1986 Sep;(9):55–7 (Eng. Abstr.) **(Rus)**

[Early detection and rapid identification of Streptococcus pneumoniae and Haemophilus influenzae in acute pneumonias] Frolov AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):47–9 (Eng. Abstr.) **(Rus)**

[Significance of clinical and epidemiologic indicators in the differential diagnosis of pneumonia] Patić V, et al. **Vojnosanit Pregl** 1987 May-Jun;44(3):185–8 (Eng. Abstr.) **(Ser)**

[Comparative study of nosocomial Legionella pneumophila pneumonia and other microorganisms] Redón J, et al. **Med Clin (Barc)** 1987 Mar 7;88(9):349–52 (Eng. Abstr.) **(Spa)**

[Diagnosis of pulmonary infiltrates in patients with acquired immunodeficiency syndrome] Xaubet A, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):311–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Efficacy of ciprofloxacin in animal models of infection: endocarditis, meningitis, and pneumonia. Sande MA, et al. **Am J Med** 1987 Apr 27;82(4A):63–6

Legionella bozemanii pneumonia and tetracycline [letter] Ruiz-Santana S, et al. **Ann Intern Med** 1986 Dec; 105(6):969–70

Evaluation of combination chemotherapy in a lightly anesthetized animal model of Pseudomonas pneumonia. Gordin FM, et al. **Antimicrob Agents Chemother** 1987 Mar; 31(3):398–403

Comparative evaluation of enoxacin, ofloxacin, ampicillin, and chloramphenicol for treatment of experimental Haemophilus influenzae pneumonia. Kemmerich B, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):417–20

Coagulopathy associated with extended-spectrum cephalosporins in patients with serious infections. Nichols RL, et al. **Antimicrob Agents Chemother** 1987 Feb; 31(2):281–5

Continuous versus intermittent administration of ceftazidime in experimental Klebsiella pneumoniae pneumonia in normal and leukopenic rats. Roosendaal R, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):403–8

Ampicillin versus cefamandole as initial therapy for community-acquired pneumonia. Weber DJ, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):876–82

A perspective of cephalosporins in pneumonia. Quenzer RW. **Chest** 1987 Sep;92(3):531–5

Cephalosporins in the treatment of pneumonias [editorial] Sbarbaro JA. **Chest** 1987 Sep;92(3):390

Respiratory pharmacology. Antibiotics. I. Beta-lactam antibiotics, the tetracyclines, chloramphenicol, erythromycin, clindamycin, metronidazole, and the quinolones. Segreti J, et al. **Clin Chest Med** 1986 Sep; 7(3):393–412 (80 ref.)

High-dose moxalactam in gram-negative pneumonia: efficacy and safety [letter] Payne DK, et al. **Drug Intell Clin Pharm** 1987 Mar;21(3):293–5

Clinical outcome of nosocomial pneumonia following imipenem/cilastatin therapy. Rapp RP, et al. **Drug Intell Clin Pharm** 1987 Mar;21(3):272–6

Cefadroxil compared with cefaclor in the treatment of streptococcal pneumonia in adults. ZeLuff B, et al. **Drugs** 1986;32 Suppl 3:39–42

Pneumonia complicated by bacteremia: therapeutic options. Mostow SR. **Hosp Pract [Off]** 1986 Dec 15;21(12):105–13

Ofloxacin: clinical evaluation in urinary and respiratory infections. Delia S, et al. **Infection** 1986;14 Suppl 4:S297–9

Treatment of surgical infections with a modern quinolone: therapy of soft tissue infections and pneumonia with ofloxacin. Fritzen T, et al. **Infection** 1986;14 Suppl 4:S293–6

Clinical evaluation of ofloxacin in lower respiratory tract infections. Kobayashi H. **Infection** 1986;14 Suppl 4:S279–82

Fosfomycin-ampicillin versus gentamicin-ampicillin in the treatment of critically ill patients with pneumonia. Nissen LR, et al. **Infection** 1986 Sep-Oct;14(5):246–9

Possibility of interaction among antibiotics and mucolytics in children. Principi N, et al. **Int J Clin Pharmacol Res** 1986;6(5):369–72

Nosocomial gram-negative pneumonia in critically ill patients. A 3-year experience with a novel therapeutic

regimen. Stoutenbeek CP, et al. **Intensive Care Med** 1986; 12(6):419–23

Comparative effects of cefpirome (HR 810) and other cephalosporins on experimentally induced pneumonia in mice. Klesel N, et al. **J Antibiot (Tokyo)** 1986 Jul; 39(7):971–7

Randomised comparison of ceftriaxone and cefamandole therapy in lower respiratory tract infections in an elderly population. Bittner MJ, et al. **J Antimicrob Chemother** 1986 Nov;18(5):621–7

Comparative efficacies of ciprofloxacin, ampicillin and chloramphenicol in treatment of experimental Haemophilus influenzae pneumonia. Kemmerich B, et al. **J Antimicrob Chemother** 1987 Jul;20(1):77–83

Evaluation of ceftazidime in experimental Klebsiella pneumoniae pneumonia: comparison with other antibiotics and measurement of its penetration into respiratory tissues and secretions. McColm AA, et al. **J Antimicrob Chemother** 1986 Nov;18(5):599–608

A prospective randomized trial of ceftazidime versus cefazolin/tobramycin in the treatment of hospitalized patients with pneumonia. Mandell LA, et al. **J Antimicrob Chemother** 1987 Jul;20(1):95–107

Comparative efficacy and safety of ceftizoxime, cefotaxime and latamoxef in the treatment of bacterial pneumonia in high risk patients. Yangco BG, et al. **J Antimicrob Chemother** 1987 Feb;19(2):239–48

Comparative multicentre evaluation of the safety and efficacy of ceftazidime versus cefamandole for pneumonia. Yangco BG, et al. **J Antimicrob Chemother** 1986 Oct;18(4):521–9

Indomethacin and arterial oxygenation in critically ill patients with severe bacterial pneumonia [letter] Bihari DJ. **Lancet** 1987 Mar 28;1(8535):755

Effect of indomethacin on arterial oxygenation in critically ill patients with severe bacterial pneumonia. Hanly PJ, et al. **Lancet** 1987 Feb 14;1(8529):351–4

Oral ciprofloxacin in the treatment of 14 patients with bacterial pneumonia. Wollschlager CM, et al. **NY State J Med** 1987 Jun;87(6):330–3

Ceftazidime monotherapy vs. combined therapy in Pseudomonas pulmonary infections in cystic fibrosis. Padoan R, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):648–53

Nosocomial and nursing home–acquired pneumonia. Recent therapeutic advances. Roselle GA. **Postgrad Med** 1987 Jan; 81(1):131–2, 135–6

Ceftriaxone therapy of severe lower respiratory tract infections. Potgieter PD. **S Afr Med J** 1987 Jun 20;Suppl 2:10–1

[Acute primary infectious pneumopathies. Which antibiotherapy? (letter)] Leophonte P, et al. **Presse Med** 1987 Jan 24;16(2):78 **(Fre)**

[Roxithromycin (RU 28965), a new macrolide effective against pulmonary infections] Lachat JM, et al. **Schweiz Med Wochenschr** 1986 Dec 6;116(49):1739–41 (Eng. Abstr.) **(Fre)**

[Pneumonia of unknown origin in immunosuppressed patients. Antibiotic therapy] Engelhard K, et al. **Fortschr Med** 1987 Mar 10;105(7):129–30 (Eng. Abstr.) **(Ger)**

[Treatment of bronchopulmonary infections in patients during artificial respiration with imipenem/cilastatin] Unertl K, et al. **Immun Infekt** 1986 Nov;14(6):229–31 (Eng. Abstr.) **(Ger)**

[Calculated initial chemotherapy in mechanically-ventilated postoperative patients with peritonitis, sepsis and pneumonia] Hünefeld G, et al. **Infection** 1986;14 Suppl 2:S164–70 (Eng. Abstr.) **(Ger)**

[A comparative, well-controlled study of ceftizoxime suppository against ceftizoxime intravenous injection in infantile acute pneumonia] Fujii R, et al. **Jpn J Antibiot** 1986 May;39(5):1279–96 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies on cefuzonam in the pediatric field] Fujii R, et al. **Jpn J Antibiot** 1986 Oct; 39(10):2601–19 (Eng. Abstr.) **(Jpn)**

[Study on the use of cefotiam in neonates] Iwai N, et al. **Jpn J Antibiot** 1986 Sep;39(9):2436–49 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of cefotiam in neonates and premature infants] Motohiro T, et al. **Jpn J Antibiot** 1986 Sep;39(9):2466–82 (Eng. Abstr.) **(Jpn)**

[Clindamycin-2-phosphate in the treatment of respiratory infections and its distribution into pleural effusion] Takamoto M, et al. **Jpn J Antibiot** 1987 Apr;40(4):727–34 (Eng. Abstr.) **(Jpn)**

[Comparative clinical study of T-2588 and bacampicillin in bacterial pneumonia by a double-blind method] Kobayashi H, et al. **Kansenshogaku Zasshi** 1986 Sep;60(9):1078–106 **(Jpn)**

[Comparative study of cefuzonam (CZON) with cefotiam in bacterial pneumonia and pulmonary suppuration] Soejima R, et al. **Kansenshogaku Zasshi** 1986 Aug; 60(8):885–910 (Eng. Abstr.) **(Jpn)**

[Serum drug levels and drug efficacy—antibiotics] Kohno S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):38–43 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 3. Changes in pathogens and chemotherapy. a. Community-acquired pneumonia] Oshitani H, et al. **Nippon Rinsho** 1987 Mar; 45(3):488–91 (3 ref.) **(Jpn)**

[Clinical usefulness of quantitative evaluation of microorganisms in the sputum in chemotherapy of pneumonia] Chyrek-Borowska S, et al. **Pneumonol Pol** 1986 Sep;54(9):410–5 (Eng. Abstr.) **(Pol)**

[Effect of dekaris on the immunity indices in pneumonia and diabetes mellitus] Zhukov NA, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):103–5 (Eng. Abstr.) **(Rus)**

[Effect of Hippophae rhamnoides oil on the lipid concentration of serum, T-, B- and O-lymphocytes in acute pneumonia in young children] Khamraev AKh, et al. **Pediatriia** 1986 Sep;(9):75 **(Rus)**

[Interstitial electrophoresis in acute pleuropulmonary suppurations] Alekseenko AV, et al. **Sov Med** 1986; (10):73–5 **(Rus)**

[Transthoracic administration of antibiotics in pneumonia] Provotorov VM. **Sov Med** 1986;(11):69–7 **(Rus)**

[Correction of hemodynamics in patients with acute pneumonia] Gavrisiuk VK, et al. **Ter Arkh** 1987;59(3):92–4 (Eng. Abstr.) **(Rus)**

[Ultrasonic aerosols in the complex treatment of nonspecific inflammatory diseases of the respiratory system] Pilipchuk NS, et al. **Ter Arkh** 1987;59(3):112–5 **(Rus)**

[Treatment of patients with acute destructive pneumonia] Kharitonov VA. **Vrach Delo** 1987 Feb;(2):20–3 (Eng. Abstr.) **(Rus)**

[Effect of metronidazole on the course of experimental anaerobic streptococcal pneumonia] Shrolt IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):21–4 (Eng. Abstr.) **(Rus)**

[Endolymphatic administration of antibiotics in the complex treatment of pneumonia in neurosurgical patients] Rachkov BM, et al. **Zh Vopr Neirokhir** 1986 Sep-Oct;(5):54–60 **(Rus)**

ENZYMOLOGY

Serum angiotensin converting enzyme in pneumonias. Kerttula Y, et al. **J Clin Pathol** 1986 Nov;39(11):1250–3

[General and local reactions in the proteolytic system during the development of experimental pneumonia] Kubyshkin AV. **Biull Eksp Biol Med** 1986 Oct;102(10):400–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Long-term follow-up of ventilator treated low birthweight infants. I. Chest X-ray, pulmonary mechanics, clinical lung disease and growth. Lindroth M, et al. **Acta Paediatr Scand** 1986 Sep;75(5):819–26

Chronic Acinetobacter calcoaceticus var anitratus pneumonia. Suchyta MR, et al. **Am J Med Sci** 1987 Aug; 294(2):117–9

Routine culturing for Legionella in the hospital environment may be a good idea: a three-hospital prospective study. Yu VL, et al. **Am J Med Sci** 1987 Aug;294(2):97–9

Pulmonary disease caused by Mycobacterium malmoense. Alberts WM, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1375–8

IgE antibody mediated inflammation of rat lung: histologic and bronchoalveolar lavage assessment. Blythe S, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1246–51

Induction of acute pulmonary inflammation. A differential effect of C5 and the 200,000 molecular weight form of trypsin-activated C5 (C5'). Fowler SR, et al. **Am Rev Respir Dis** 1987 Sep;136(3):691–7

Right lower lobe consolidation: an unusual complication of the modified Blalock-Taussig operation. Lodge JP, et al. **Ann Thorac Surg** 1987 Aug;44(2):201–2

The unusual presentations of tularemia. Bacteremia, pneumonia, and rhabdomyolysis [editorial] Klotz SA, et al. **Arch Intern Med** 1987 Feb;147(2):214

Hypersensitivity pneumonitis from home mist machine after laryngectomy. Myers CB, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):667–8

Nursing care of the patient with non-Hodgkin's lymphoma: prevention of pneumonia associated with combination chemotherapy. Foote M. **Cancer Nurs** 1985 Oct;8(5):263–71

Acute respiratory infections in childhood in Beijing: An etiological study of pneumonia and bronchiolitis. Zhang ZJ, et al. **Chin Med J [Engl]** 1986 Sep;99(9):695–702

Pneumonia associated with acute rheumatic fever. Yamamoto LG, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):198–200

Overwhelming pneumonia. Segreti J, et al. **DM** 1987 Jan; 33(1):1–59

Etiology of community-acquired pneumonia in out-patients. Berntsson E, et al. **Eur J Clin Microbiol** 1986 Aug; 5(4):446–7

Etiology of community-acquired pneumonia [editorial] Bille J, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):389–90

Haemophilus influenzae pneumonia in previously fit adults. Woodhead MA, et al. **Eur J Respir Dis** 1987 Apr; 70(4):218–20

Giant pulmonary cavity associated with systemic lupus erythematosus. Raj B, et al. **Indian J Chest Dis Allied Sci** 1986 Jan-Mar;28(1):46–9

Pneumonia in pediatric outpatients: cause and clinical manifestations. Turner RB, et al. **J Pediatr** 1987 Aug; 111(2):194–200

Cytomegalovirus pneumonitis after allogeneic marrow transplantation [letter] Brenner MK, et al. **Lancet** 1987 Aug 1;2(8553):286–7

Toxic shock syndrome and staphylococcal pneumonia [letter] Marchant B, et al. **Lancet** 1987 Sep 5;2(8558):578

Prospective study of the aetiology and outcome of pneumonia in the community. Woodhead MA, et al. **Lancet** 1987 Mar 21;1(8534):671–4

Pneumonia—the quality of medical records data. Marrie TJ, et al. **Med Care** 1987 Jan;25(1):20–4

Atypical pneumonia: recognition and treatment. Yung AP, et al. **Med J Aust** 1987 Aug 3;147(3):132–6

Role of Staphylococcus protease in the development of influenza pneumonia. Tashiro M, et al. **Nature** 1987 Feb 5–11;325(6104):536–7

Bronchitis and pneumonia in ambulatory patients. Gooch WM 3d. **Pediatr Infect Dis J** 1987 Jan;6(1):137–40 (15 ref.)

Infant pneumonitis associated with cytomegalovirus, Chlamydia, Pneumocystis, and Ureaplasma: follow-up. Brasfield DM, et al. **Pediatrics** 1987 Jan;79(1):76–83

Replicative activity of lung type 2 cells following lung X irradiation. Gross NJ, et al. **Radiat Res** 1987 Jul; 111(1):143–50

Bordetella bronchiseptica pneumonia in a patient with chronic lymphocytic leukemia. Buggy BP, et al. **South Med J** 1987 Sep;80(9):1187–9

Atypical community-acquired pneumonia: concurrent infection with Chlamydia psittaci and Mycobacterium tuberculosis. Wheeler RR, et al. **South Med J** 1987 Mar; 80(3):402–3

Pulmonary toxoplasmoma presenting as obstructive pneumonia. Monsó E, et al. **Thorax** 1986 Jun;41(6):489–90

[Chlamydia pneumonia in infants (letter)] **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2277–8 **(Dut)**

[Chlamydia pneumonia in infants] Gerritsen J, et al. **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1921–3 **(Dut)**

[2 unusual manifestations of LAV-HTLV virus infection: BCGitis and pulmonary chickenpox] Nousbaum JB, et al. **Rev Pneumol Clin** 1986;42(6):310–1 (Eng. Abstr.) **(Fre)**

[Weil's disease with hemorrhagic pneumonitis due to Leptospira grippotyphosa] Sternfeld M, et al. **Harefuah** 1985 Mar 15;108(6):292–4 (Eng. Abstr.) **(Heb)**

[Rapid identification of bacteria in sputum and lung tissue in nosocomial pneumonia—fundamental study of indirect immunofluorescent staining by antibody to heat-killed antigens] Fujita K. **Kansenshogaku Zasshi** 1986 Sep; 60(9):1010–21 (Eng. Abstr.) **(Jpn)**

[The analysis of background factors of pneumonia caused by opportunistic pathogens] Hara K, et al. **Kansenshogaku Zasshi** 1986 Oct;60(10):1125–32 (Eng. Abstr.) **(Jpn)**

[A case of pneumonia associated with increased antibody titers to simultaneous Mycoplasma pneumoniae and Chlamydia psittaci] Kishimoto A, et al. **Kansenshogaku Zasshi** 1986 Oct;60(10):1154–9 (Eng. Abstr.) **(Jpn)**

[Studies of experimental localized pneumonia associated with lung cancer] Kusachi S. **Kansenshogaku Zasshi** 1986 Sep; 60(9):1040–7 (Eng. Abstr.) **(Jpn)**

[Secondary respiratory tract infections occurring in residual lesion of pulmonary tuberculosis. 5. Therapy of respiratory failure due to secondary pneumonia] Kobayashi H. **Kekkaku** 1986 Dec;61(12):657–61 **(Jpn)**

[Refractory respiratory tract infections. 2. Disorders of the defense mechanism and infection. e. The aged] Kida K, et al. **Nippon Rinsho** 1987 Mar;45(3):482–7 (25 ref.) **(Jpn)**

[The course of acute pneumonia in alcoholism] Kislyi ND. **Klin Med (Mosk)** 1987 Apr;65(4):126–9 (Eng. Abstr.) **(Rus)**

[Role of Pseudomonas aeruginosa in the pathogenesis of acute destructive processes in the lungs] Savitskaia KI. **Sov Med** 1986;(10):75–7 **(Rus)**

[Bronchial obturation by broncholiths as a cause of recurrent bronchopulmonary inflammatory processes and late recognition of the basic disease] Brikmanis EP, et al. **Ter Arkh** 1987;59(3):95–7 (Eng. Abstr.) **(Rus)**

[Polymorphonuclear leukocytes: their role in the development of acute and chronic nonspecific inflammation in the lungs] Kop'eva TN, et al. **Ter Arkh** 1987;59(3):142–5 (58 ref.) **(Rus)**

[Etiology of acute pneumonias in an organized collective] Vasil'eva VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):44–7 (Eng. Abstr.) **(Rus)**

[Etiology of acute pneumonia occurring against a background of influenza and other acute respiratory viral infections] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):5–10 (Eng. Abstr.) **(Rus)**

[Pneumonia in soldiers] Kurtović Z, et al. **Vojnosanit Pregl** 1987 Jan-Feb;44(1):38–40 **(Scr)**

[Recurrent pneumonias] Cobos Barroso N. **An Esp Pediatr** 1987 Feb;26(2):129–39 (Eng. Abstr.) **(Spa)**

[2 cases of pneumonia with empyema caused by anaerobic micro-organisms in childhood] Echevarría Zudaire L, et al. **An Esp Pediatr** 1986 Dec;25(6):498–500 **(Spa)**

[Extra-hospital Streptococcus viridans pneumonia (letter)] Gutiérrez Cebollada J, et al. **Med Clin (Barc)** 1987 Jan 10; 88(1):38 **(Spa)**

[Intrahospital pneumonias] Torres Martí A, et al. **Med Clin (Barc)** 1987 Jan 10;88(1):34–7 **(Spa)**

[Community-acquired bacteremic pneumonia caused by Escherichia coli. Report of 2 cases in healthy individuals (letter)] Tornè J, et al. **Rev Clin Esp** 1986 Jul;179(3):158–9 **(Spa)**

FAMILIAL & GENETIC

[Participation of DNA repair processes in altering the frequency of sister chromatid exchanges in the peripheral blood lymphocytes in inflammatory diseases] Umnova NV, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):743–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

In vitro fibrinolytic activity and viability of rat alveolar macrophages treated with inflammation generating mineral dusts. Donaldson K, et al. **Agents Actions** 1987 Feb; 20(1–2):87–92

The enhancement of inflammatory injury [editorial] Cochrane CG. **Am Rev Respir Dis** 1987 Jul;136(1):1–2

Uptake of bloodborne bacteria by pulmonary intravascular macrophages and consequent inflammatory responses in sheep. Warner AE, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):683–90

Chlamydial respiratory infection in childhood and spurious immunoglobulin M. Persson K, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):581–3

Immunization against fatal experimental Klebsiella pneumoniae pneumonia. Cryz SJ Jr, et al. **Infect Immun** 1986 Nov;54(2):403–7

Role of natural killer cells in infection with the mouse pneumonitis agent (murine Chlamydia trachomatis). Williams DM, et al. **Infect Immun** 1987 Jan;55(1):223–6

Prevalence of anti-Legionella antibodies in a healthy population and in patients with tuberculosis or pneumonia. Bornstein N, et al. **Isr J Med Sci** 1986 Oct;22(10):740–4

Immunologic response to aerosols of affinity-purified antigen in hypersensitivity pneumonitis. Stricker WE, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):411–6

Micropolyspora faeni causes airway inflammation but not hyperresponsiveness in sensitized ponies. Derksen FJ, et al. **J Appl Physiol** 1987 Apr;62(4):1398–404

Contribution of neutrophils and cell-mediated immunity to control of Nocardia asteroides in murine lungs. Filice GA, et al. **J Infect Dis** 1987 Jul;156(1):113–21

Bronchoalveolar phagocytic cell response to pulmonary infection of mice with Rhodococcus (Corynebacterium) equi. Takai S, et al. **Nippon Juigaku Zasshi** 1986 Aug; 48(4):667–73

Prevalence of anti-Legionella antibodies in a healthy population and in patients with tuberculosis or pneumonia. Bornstein N, et al. **Pathol Biol (Paris)** 1987 Apr;35(4):353–6

Host defense mechanisms against pneumonia due to Pseudomonas aeruginosa. Pennington JE, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S657–66

Carcinoembryonic antigen (CEA) in blood in cases of pneumonia. Weber TH, et al. **Scand J Infect Dis** 1986; 18(6):547–50

Branhamella catarrhalis pneumonia in patients with immunoglobulin abnormalities. Karnad A, et al. **South Med J** 1986 Nov;79(11):1360–2

[Anti-Trichosporon cutaneum IgG, IgA and s-IgA antibody activities in bronchoalveolar lavage fluids in summer-type hypersensitivity pneumonitis] Soda K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):112–8 (Eng. Abstr.) **(Jpn)**

[Effect of chronic alcoholism on the immune status in protracted pneumonia] Danilov IP, et al. **Klin Med (Mosk)** 1986 Dec;64(12):98–102 (Eng. Abstr.) **(Rus)**

[Effect of nutrition on the level of circulating immune complexes in acute bronchopulmonary pathology in infants in the first year of life] Mel'nik AI, et al. **Pediatriia** 1987; (5):105 **(Rus)**

[Immunological reactions in acute destructive pneumonia in children] Lolko EE, et al. **Vestn Khir** 1987 Apr;138(4):85–9 (Eng. Abstr.) **(Rus)**

[Natural killer activity of patients with chronic tonsillitis and chronic pneumonia] Kochetova SV, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):36–9 (Eng. Abstr.) **(Rus)**

[Indices of local immunity in acute pneumonia patients] Belianovskaia TI, et al. **Vrach Delo** 1987 Jun;(6):45–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Eicosanoids and lung inflammation. Henderson WR Jr. **Am Rev Respir Dis** 1987 May;135(5):1176–85 (190 ref.)

Systemic absorption of endotracheally administered aminoglycosides in seriously ill patients with pneumonia. Crosby SS, et al. **Antimicrob Agents Chemother** 1987 Jun; 31(6):850–3

Bacterial pneumonia stimulates macromolecule secretion and ion and water fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1987 Jun;62(6):2388–97

[Action of a weak alternating magnetic field on oxygen transport in the body in nonspecific inflammatory lung diseases] Semenov VL. **Patol Fiziol Eksp Ter** 1987 Jan–Feb; (1):59–61 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Pneumonias in adults due to mycoplasma, chlamydiae, and viruses. Luby JP. **Am J Med Sci** 1987 Jul;294(1):45–64

Pneumonia associated with the TWAR strain of Chlamydia. Marrie TJ, et al. **Ann Intern Med** 1987 Apr;106(4):507–11

Branhamella catarrhalis, a respiratory tract pathogen [letter] Shann F. **Aust NZ J Med** 1986 Oct;16(5):718

Anaerobic bacterial infections of the lung. Bartlett JG. **Chest** 1987 Jun;91(6):901–9 (60 ref.)

Community-acquired pneumonia caused by mixed aerobic bacteria. Brown RB, et al. **Chest** 1986 Dec;90(6):810–4

Atypical pneumonia and an unexpected pathogen. Bergman MM, et al. **Hosp Pract [Off]** 1987 May 15;22(5):29, 32–3

Severe acute lower respiratory tract infection: etiology and management. Kumar L. **Indian J Pediatr** 1987 Mar–Apr; 54(2):189–98

Infections due to Achromobacter xylosoxidans. Case report and review of the literature. Chandrasekar PH, et al. **Infection** 1986 Nov–Dec;14(6):279–82

Acid-fast bacilli in sputum: a case of Legionella micdadei pneumonia. Hilton E, et al. **J Clin Microbiol** 1986 Dec; 24(6):1102–3

Community-acquired Acinetobacter pneumonia in Thailand. Report of 5 cases. Vathesatogkit P, et al. **J Med Assoc Thai** 1987 Feb;70(2):96–101

Detection of HTLV-III RNA in lungs of patients with AIDS and pulmonary involvement [published erratum appears in JAMA 1987 Jan 16;257(3):317] Chayt KJ, et al. **JAMA** 1986 Nov 7;256(17):2356–9

Counter immuno electrophoresis for the diagnosis of Strept. pneumonia and H. influenzae pneumonia. Azmi F, et al. **JPMA** 1987 Jun;37(6):148–52

Significance of non-pneumophila Legionella species in adult community-acquired and nosocomial pneumonias. Lode H, et al. **Klin Wochenschr** 1987 May 15;65(10):463–8

Fatal Branhamella catarrhalis pneumonia. Coli L, et al. **NY State J Med** 1987 Jun;87(6):359–61

Ureaplasma urealyticum and its possible role in pneumonia during the neonatal period and infancy. Rudd PT, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S288–91 (12 ref.)

Pneumonia associated with Branhamella catarrhalis in infants. Berg RA, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):569–73

Pneumonia [letter] McMurray J, et al. **Postgrad Med J** 1986 Sep;62(731):895

Pneumonia. Wathen CG, et al. **Postgrad Med J** 1986 May; 62(727):396–76 (38 ref.)

Pneumonia and acute pancreatitis most probably caused by a Legionella longbeachae infection. Eitrem R, et al. **Scand J Infect Dis** 1987;19(3):381–2

Culture from epipharynx of little value in bacterial pneumonia. Steinum O, et al. **Scand J Infect Dis** 1987; 19(3):309–12

Legionella feeleii pneumonia. Misra DP, et al. **South Med J** 1987 Aug;80(8):1063–4

[Etiologic and clinical study on infantile pneumonia] Zhang ZJ. **Chung Hua I Hsueh Tsa Chih** 1986 May;66(5):292–4, 320 (Eng. Abstr.) **(Chi)**

[Legionella bozemanii in a female patient with fatal pneumonia, chronic hepatitis and collagenosis] Strnad V, et al. **Cas Lek Cesk** 1987 Feb 20;126(8):248–52 (Eng. Abstr.) **(Cze)**

[The diagnostic value of non-fiber-optic broncho-alveolar lavage in pneumopathies and mechanical ventilation] Piperno D, et al. **Rev Mal Respir** 1987;4(1):17–21 (Eng. Abstr.) **(Fre)**

[Pleuropulmonary disease caused by Pasteurella multocida. Study of 9 cases. Review of the literature] Raffi F, et al. **Rev Mal Respir** 1986;3(4):207–12 (Eng. Abstr.) **(Fre)**

[Acute localized bacterial pneumopathies: study of 66 cases] Bouslama A, et al. **Tunis Med** 1987 Jan;65(1):21–4 (Eng. Abstr.) **(Fre)**

[Bacteriological findings in selected inflammatory bronchopulmonary diseases] Dürschmied H, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):68–73 (Eng. Abstr.) **(Ger)**

[Refractory respiratory tract infections. 3. Changes in pathogens and chemotherapy. b. Hospital-acquired pneumonia] Uzuka Y, et al. **Nippon Rinsho** 1987 Mar; 45(3):492–500 (20 ref.) **(Jpn)**

[Pneumococcal serotypes in children with acute and chronic inflammatory diseases of the lungs and in healthy children] Katosova LK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):29–36 (Eng. Abstr.) **(Rus)**

[Microflora of the upper respiratory tract of normal young children and in respiratory tract diseases. Normal microflora and dysbiosis at different levels of the upper respiratory tract in healthy children and pneumonia patients] Savitskaia KI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):22–9 (Eng. Abstr.) **(Rus)**

[Microflora of the upper respiratory tract in young children under normal conditions and in respiratory tract diseases. Microbial count of the upper respiratory tract in healthy children and in children with pneumonia] Savitskaia KI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):24–31 (Eng. Abstr.) **(Rus)**

[Nosocomial pneumonia caused by Legionella micdadei (letter)] Pascual JM, et al. **Med Clin (Barc)** 1987 Jun 6; 89(2):86 **(Spa)**

[Bacteriologic diagnosis of acute pulmonary inflammatory processes at various institutions in the country] de Armas Pérez L. **Rev Cubana Med Trop** 1986 May–Aug; 38(2):185–92 (Eng. Abstr.) **(Spa)**

MORTALITY

Pneumonia: a deadly disease despite intensive care treatment. Sörensen J, et al. **Scand J Infect Dis** 1986;18(4):329–35

Pneumonia and influenza mortality on the increase. **Stat Bull Metrop Insur Co** 1987 Apr–Jun;68(2):10–6

[Relation between glucose tolerance impairment and cause of death--a review of 20 years at Yokufukai Geriatric Hospital (January 1962 to December 1981)] Itagaki T, et al. **Nippon Ronen Igakkai Zasshi** 1986 Jul;23(4):385–93 (Eng. Abstr.) **(Jpn)**

[Causes of death of newborn infants with congenital heart defects] Godula-Stuglik U, et al. **Pediatr Pol** 1987 Jan; 62(1):25–31 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Survey of underlying conditions of persons hospitalized with acute respiratory disease during influenza epidemics in Houston, 1978–1981. Glezen WP, et al. **Am Rev Respir Dis** 1987 Sep;136(3):550–5

Is pneumonia developing in patients in intensive care always a typical "nosocomial" infection? [letter]Mandelli M, et al. **Lancet** 1986 Nov 8;2(8515):1094–5

Morbidity patterns in a general paediatric unit in rural Western Australia. Harris L, et al. **Med J Aust** 1986 Nov 3;145(9):441–3

Nosocomial pneumonias in a community teaching hospital. Pratt DS, et al. **NY State J Med** 1987 Apr;87(4):199–202

[Pneumonia in clinical practice] Kayser FH. **Schweiz Rundsch Med Prax** 1987 Feb 10;76(7):175–9 (Eng. Abstr.) **(Ger)**

[Meteorotropic reactions of patients with nonspecific diseases of the lungs] Kantur VA. **Sov Med** 1987;(2):72–3 **(Rus)**

[Risk factors in the occurrence of acute pneumonia] Polozhentsev SD, et al. **Voen Med Zh** 1987 May;(5):56–7 **(Rus)**

PATHOLOGY

Endogenous peroxidase activity as a marker of macrophage renewal during BCG-induced inflammation in the rat lung. Warnock ML, et al. **Am J Pathol** 1987 Jul;128(1):171–80

Protected transbronchial needle aspiration and protected specimen brush in the diagnosis of pneumonia. Lorch DG Jr, et al. **Am Rev Respir Dis** 1987 Sep;136(3):565–9

Inflammation and models of chronic pulmonary hypertension. Meyrick B, et al. **Am Rev Respir Dis** 1987 Sep;136(3):765–7

Chlamydia trachomatis pneumonia in the immune, athymic and normal BALB mouse. Coalson JJ, et al. **Br J Exp Pathol** 1987 Jun;68(3):399–411

Pulmonary involvement in Sweet's syndrome (acute febrile neutrophilic dermatosis). Preleukemic and leukemic phases of acute myelogenous leukemia. Lazarus AA, et al. **Chest** 1986 Dec;90(6):922–4

Primary biliary cirrhosis. Subclinical inflammatory alveolitis in patients with normal chest roentgenograms. Wallaert B, et al. **Chest** 1986 Dec;90(6):842–8

Changes in lung morphology and cell number in radiation pneumonitis and fibrosis: a quantitative ultrastructural study. Vergara JA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):723–32

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 48–1986. A 20-year-old Cambodian immigrant with systemic lupus erythematosus and respiratory distress. **N Engl J Med** 1986 Dec 4; 315(23):1469–77

[Patho-anatomical analysis of the cause of death in 9,818 neonates] **Chung Hua I Hsueh Tsa Chih** 1986 Nov; 66(11):676–9 **(Chi)**

[Pathomorphological study on the thymus in 560 autopsied cases] Yang MH. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):303–5 **(Chi)**

[Histopathological observation of 204 perinatal thymuses] Tan YS. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar; 18(1):44–7 (Eng. Abstr.) **(Chi)**

[Postinflammatory pseudotumor of the lung in childhood] Deindl C, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):115–8 (Eng. Abstr.) **(Ger)**

[Clinicopathological evaluation of the lungs with unusual distribution of paraquat lesions] Koga T, et al. **Kokyu To Junkan** 1987 May;35(5):535–9 (Eng. Abstr.) **(Jpn)**

[A case of organizing pneumonia demonstrated by biopsy] Kawabata Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1282–7 (Eng. Abstr.) **(Jpn)**

[Clinical and pathological studies of unresolving pneumonia] Mochizuki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):86–92 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study of pneumonia in the elderly] Suzuki K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct;24(10):1078–82 (Eng. Abstr.) **(Jpn)**

[Pathomorphology of chronic inflammatory diseases of the lungs according to bronchial biopsy and bronchoalveolar lavage findings] Nepomniashchikh GI, et al. **Probl Tuberk** 1986;(12):55–60 (Eng. Abstr.) **(Rus)**

[Morphological changes in the lungs after single whole-body irradiation in rabbits] Reĭl M, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):532–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Lipid-derived and other chemical mediators of inflammation in the lung. Henderson WR Jr. **J Allergy Clin Immunol**

1987 Apr;79(4):543–53 (122 ref.)
Sirisais [clinical conference] **J Tenn Med Assoc** 1987 May; 80(5):282–9
Gas exchange and hemodynamics in patients with bacterial pneumonia ventilated with high PEEP levels. Raimondi GA, et al. **Medicina (B Aires)** 1986;46(2):147–56
Ineffective airway clearance related to airway infection. Hanley MV, et al. **Nurs Clin North Am** 1987 Mar; 22(1):135–50 (52 ref.)
Afebrile pneumonitis in infants: predictors of outcome. Schweich P, et al. **Pediatr Emerg Care** 1987 Mar;3(1):1–4
Effect of illness on hormonal response to footshock stress. Yelvington DB, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):239–42
Influence of experimentally induced airway inflammation on the reactivity of cat lung parenchymal strips to histamine and acetylcholine. Bánovčin P, et al. **Respiration** 1987; 51(1):1–9
Quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconioses. Bisson G, et al. **Semin Nucl Med** 1987 Jan;17(1):72–80 (51 ref.)
[Erythrocyte phospholipids, blood coagulation and the status of the microcirculation in patients with acute pneumonia] Iuldashev KIu, et al. **Klin Med (Mosk)** 1987 Mar;65(3):45–8 (Eng. Abstr.) **(Rus)**
[Characteristics of acute pneumonia in hypertension] Kubyshkin VF, et al. **Sov Med** 1986;(7):95–7 **(Rus)**
[Hemodynamics in viral–bacterial pneumonia in middle-aged patients] Ermakov EV, et al. **Ter Arkh** 1987;59(3):84–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Infection prevention and immediate antibiotic therapy in the neutropenic patient. Wendt F, et al. **Hamatol Bluttransfus** 1987;30:175–81
Acute respiratory infections in the developing world: strategies for prevention, treatment and control. Stansfield SK. **Pediatr Infect Dis J** 1987 Jul;6(7):622–9 (70 ref.)
[Use of antibiotics for the prevention of bacterial pneumonia in surgical intensive care units] Baumgartner JD, et al. **Schweiz Med Wochenschr** 1987 May 9;117(19):707–11 (En.g. Abstr.) **(Fre)**
[Ultraviolet irradiation of the blood in acute exogenous poisoning to prevent and treat pneumonia] Gol'dfarb IuS, et al. **Klin Med (Mosk)** 1987 Mar;65(3):49–52 (Eng. Abstr.) **(Rus)**
[Oral lavage with chlorhexidine and hospital pneumonia (letter)] Rodríguez Artalejo F, et al. **Med Clin (Barc)** 1987 May 30;89(1):36 **(Spa)**

RADIOGRAPHY

Radiographic manifestations of bronchiolitis obliterans with organizing pneumonia vs usual interstitial pneumonia. Chandler PW, et al. **AJR** 1986 Nov;147(5):899–906
Should a lateral chest radiograph be routine in suspected pneumonia? Kennedy J, et al. **Aust Paediatr J** 1986 Nov; 22(4):299–300
Pneumonia following bone marrow transplantation. Branson JA, et al. **Australas Radiol** 1986 Aug;30(3):219–25
An asymptomatic nodule in an immunosuppressed patient. Zaman MK, et al. **Chest** 1987 Mar;91(3):453–4
Spontaneous unilateral pulmonary edema. Bowser B Jr, et al. **J Natl Med Assoc** 1986 Sep;78(9):882–3, 886
Tuberculosis mimicking acute pyogenic bacterial pneumonia. Padmanabhan K, et al. **NY State J Med** 1987 Jul; 87(7):404–6
Viral vs. bacterial pulmonary infections—radiographic differentiation [letter] Leonidas JC. **Pediatr Radiol** 1987; 17(2):174–5
Pneumonias acquired from others. 2. Radiographic findings, treatment. Cunha BA. **Postgrad Med** 1987 Aug; 82(2):149–56
[B streptococcal infection—problems in neonatology and diagnostic value of roentgen thoracic images] Ewest B, et al. **Radiol Diagn (Berl)** 1987;28(1):29–33 (Eng. Abstr.) **(Ger)**
[Pulmonary candida manifestation with cavitation in immunosuppressed patients] Rix E, et al. **Radiologe** 1987 Jan;27(1):25–8 (Eng. Abstr.) **(Ger)**
[Pulmonary reaction to radiation as depicted in chest x-rays following megavolt therapy of breast cancer] Slanina J, et al. **Radiologe** 1987 Apr;27(4):181–91 (Eng. Abstr.) **(Ger)**
[Observations on paraquat lung during the recovery course by X-ray CT (three-window method)] Koga T, et al. **Rinsho Hoshasen** 1986 Aug;31(8):941–4 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of the data of roentgenobronchologic examinations in patients with chronic pneumonia] Mamiliaev RM, et al. **Grudn Khir** 1987 Jan–Feb;(1):48–52 (Eng. Abstr.) **(Rus)**
[Acute suppurative destructive pneumonia caused by gram-negative flora in children (x-ray aspects)] Lukina NL, et al. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):76–9 **(Rus)**
[Current concepts of the x-ray diagnosis of acute pneumonias in children] Mirimova TD, et al. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):11–6 (Eng. Abstr.) **(Rus)**
[Chronic nonspecific lower lobar pneumonia and simple pulmonary hypoplasia complicated by an inflammatory process in children] Polda ZS. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):16–22 (Eng. Abstr.) **(Rus)**
[Pneumonia-like form of bronchioalveolar lung cancer] Vinner MG, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug; (4):43–8 (Eng. Abstr.) **(Rus)**
[Tuberculous pneumonia: diagnostic value of the initial radiologic study] Soriano E, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):575–7 (Eng. Abstr.) **(Spa)**

REHABILITATION

[Treatment of abscessing pneumonia by using combination physiotherapy] Barkov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):13–6 (Eng. Abstr.) **(Rus)**

SURGERY

[Results of surgical treatment and sanatorium–health resort rehabilitation of children with chronic suppurative lung diseases] Tsimbalista OL, et al. **Klin Khir** 1987;(6):63–5 **(Rus)**
[Early surgical treatment of patients with caseous pneumonia complicated by acute pyopneumothorax] Repin IuM. **Probl Tuberk** 1987;(6):47–50 (Eng. Abstr.) **(Rus)**
[Low-frequency ultrasound in the treatment of acute and chronic suppurative diseases of the lungs and pleura in children] Sergeev VM, et al. **Vestn Khir** 1986 Aug; 137(8):75–80 (Eng. Abstr.) **(Rus)**

THERAPY

Pulmonary clearance of Pseudomonas aeruginosa in neutropenic mice. Effects of systemic immunization. Dunn MM, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1294–9
Mechanical ventilation and intrapulmonary shunt in pneumonia patients [letter] Raimondi GA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):843–4
Polyclonal and monoclonal antibody therapy for experimental Pseudomonas aeruginosa pneumonia. Pennington JE, et al. **Infect Immun** 1986 Oct;54(1):239–44
Resistance to biological and chemical challenge in rodents treated with xerosin II, a natural product of Achromobacter xerosis. Boylan ES, et al. **J Biol Response Mod** 1987 Apr;6(2):194–204
Passive immune therapy for experimental Pseudomonas aeruginosa pneumonia in the neutropenic host. Pennington JE, et al. **J Infect Dis** 1987 May;155(5):973–8
Management of infections of the lower respiratory tract in children. Cohen GJ. **Pediatr Infect Dis J** 1987 Mar; 6(3):317–23 (28 ref.)
[Experiences with a Pseudomonas immunoglobulin in artificially respirated patients with Pseudomonas pneumonia at a surgical intensive care unit] Böhm D. **Infection** 1987 Jan–Feb;15(1):73–5 (Eng. Abstr.) **(Ger)**
[Experiences with a Pseudomonas immunoglobulin in ventilated patients with Pseudomonas pneumonia in a surgical intensive care station] Böhm D. **Infection** 1987;15 Suppl 2:S64–6 (Eng. Abstr.) **(Ger)**
[Use of Pseudomonas immunoglobulin in artificially respirated patients at an interdisciplinary surgical intensive care unit] Class I, et al. **Infection** 1987 Jan–Feb;15(1):76–9 (Eng. Abstr.) **(Ger)**
[Pseudomonas aeruginosa immunoglobulin in experimental pneumonia] Pennington JE, et al. **Infection** 1987 Jan–Feb; 15(1):56–9 (Eng. Abstr.) **(Ger)**
[Pseudomonas aeruginosa immunoglobulin in experimental pneumonia] Pennington JE, et al. **Infection** 1987;15 Suppl 2:S47–50 (Eng. Abstr.) **(Ger)**
[Suppurative-destructive lung diseases and current principles of their treatment] Muromskii IuA, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):3–13 (Eng. Abstr.) **(Rus)**
[Morphofunctional evaluation of the effect of ultrasound in inflammation of the lungs] Semenova LV. **Probl Tuberk** 1986;(10):59–61 (Eng. Abstr.) **(Rus)**
[Intensive plasmapheresis in the treatment of acute pneumonia] Fil'ko VN, et al. **Ter Arkh** 1986;58(9):122–3 (Eng. Abstr.) **(Rus)**
[Microtracheostomy in the treatment of acute bronchogenic destruction of the lungs in children] Iudin IaB, et al. **Vestn Khir** 1987 Mar;138(3):109–10 **(Rus)**
[Role of hemosorption in the treatment of acute pneumonia and infectious destruction of the lungs] Levashev IuN, et al. **Vestn Khir** 1986 Aug;137(8):104–9 (Eng. Abstr.) **(Rus)**
[Use of an alternating magnetic field in inflammatory processes of the lungs] Chistiakov IV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):11–3 (Eng. Abstr.) **(Rus)**
[Immunostimulant preparation made from the antigens of opportunistic microorganisms in the treatment of inflammatory lung diseases] Egorova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):49–53 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Early-onset and late-onset pneumonias in intensive care units [letter] Rodríguez Artalejo F, et al. **Lancet** 1987 Mar 21; 1(8534):690
Hospital-acquired Acinetobacter baumanii pneumonitis [letter] Ygout JF, et al. **Lancet** 1987 Apr 4;1(8536):802

VETERINARY

Effect of sulfadimethoxine–ormetoprim in the treatment of calves with induced Pasteurella pneumonia. Ames TR, et al. **Am J Vet Res** 1987 Jan;48(1):17–20
Rhinitis, pneumonia, and defective neutrophil function in the Doberman pinscher. Breitschwerdt EB, et al. **Am J Vet Res** 1987 Jul;48(7):1054–62
Immunologic response to Pasteurella haemolytica and resistance against experimental bovine pneumonic pasteurellosis, induced by bacterins in oil adjuvants. Confer AW, et al. **Am J Vet Res** 1987 Feb;48(2):163–8
Demonstration of Pasteurella-specific immunoglobulin E in bovine serum. Gershwin LJ, et al. **Am J Vet Res** 1987 Feb; 48(2):169–75
Airborne particle concentration and meteorologic conditions associated with pneumonia incidence in feedlot cattle. MacVean DW, et al. **Am J Vet Res** 1986 Dec; 47(12):2676–82
A disease outbreak involving pneumonia in captive koalas. Canfield PJ, et al. **Aust Vet J** 1986 Sep;63(9):312–3
Antibiotic disposition in experimental pneumonic pasteurellosis: gentamicin and tylosin. Burrows GE, et al. **Can J Vet Res** 1986 Apr;50(2):193–9
Vaccination studies against experimental bovine Pasteurella pneumonia. Cardella MA, et al. **Can J Vet Res** 1987 Apr; 51(2):204–11
Protective ability and specificity of convalescent serum from calves with Haemophilus somnus pneumonia. Gogolewski RP, et al. **Infect Immun** 1987 Jun;55(6):1403–11
Virulence factors of Bordetella bronchiseptica associated with the production of infectious atrophic rhinitis and pneumonia in experimentally infected neonatal swine. Roop RM 2d, et al. **Infect Immun** 1987 Jan;55(1):217–22
Pneumonia in goats following administration of live and heat-killed Pasteurella haemolytica. Ngatia TA, et al. **J Comp Pathol** 1986 Sep;96(5):557–64
Characterization of a Pasteurella multocida (serotype B) bovine pneumonic pasteurellosis model and the effect of antimicrobials during peracute infection. Furrow RD, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):264–72
Comparison of methods to diagnose an epizootic of Corynebacterium kutscheri pneumonia in rats. Fox JG, et al. **Lab Anim Sci** 1987 Feb;37(1):72–5
Efficacy of commercial vaccines for protecting guinea pigs against Bordetella bronchiseptica pneumonia. Matherne CM, et al. **Lab Anim Sci** 1987 Apr;37(2):191–4
Intravascular macrophages in lungs of pigs infected with Haemophilus pleuropneumoniae. Bertram TA. **Vet Pathol** 1986 Nov;23(6):681–91
Experimental Haemophilus somnus pneumonia in calves and immunoperoxidase localization of bacteria. Gogolewski RP, et al. **Vet Pathol** 1987 May;24(3):250–6
Volume-controlled bronchopulmonary lavage of normal and pneumonic calves. Lay JC, et al. **Vet Pathol** 1986 Nov; 23(6):673–80
Abortion rate and mortality among exotic pregnant heifers imported to the Gezira in the central region of the Sudan. Ahmed FA, et al. **Vet Q** 1987 Apr;9(2):177–9
Some husbandry factors affecting mortality and morbidity on a calf-rearing unit. Peters AR. **Vet Rec** 1986 Oct 4; 119(14):355–7
On the occurrence of toxin-producing Pasteurella-multocida-strains in atrophic rhinitis and in pneumonias of swine and cattle. Kielstein P. **Zentralbl Veterinarmed** [B] 1986 Aug;33(6):418–24
[Results of experimental infections of SPF piglets with Pasteurella multocida—proposal for a reproducible infection model] Schimmel D. **Arch Exp Veterinarmed** 1987 May;41(3):455–62 (Eng. Abstr.) **(Ger)**
[Results of experimental infection of calves with Pasteurella multocida and Pasteurella haemolytica] Schimmel D. **Arch Exp Veterinarmed** 1987 May;41(3):463–72 (Eng. Abstr.) **(Ger)**

PNEUMONIA, ASPIRATION

Ranitidine prophylaxis in outpatients [letter] Kittelberger KP. **Anesthesiology** 1987 Mar;66(3):441–2
Questions concerning aspiration prophylaxis study [letter] Roy RC. **Anesthesiology** 1987 Mar;66(3):442–3

BLOOD

Plasma atrial natriuretic peptide and spontaneous diuresis in sick neonates. Kojima T, et al. **Arch Dis Child** 1987 Jul; 62(7):667–70
[Microcirculation, blood coagulation and blood phospholipids in acute pneumonia] Iuldashev KIu, et al. **Ter Arkh** 1987;59(3):88–91 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Hydrocarbon pneumonitis—a hazard in fire-eaters [letter] Agrawal PK, et al. **J Assoc Physicians India** 1986 Oct; 34(10):752
Aspiration pneumonia caused by fibrous material in rats. Yamasaki K. **Jikken Dobutsu** 1986 Oct;35(4):499–500
Lipoid pneumonia secondary to baby oil aspiration: a case report and review of the literature. Reyes de la Rocha S, et al. **Pediatr Emerg Care** 1985 Jun;1(2):74–80
Granulomatous lung disease in children by aspiration of medications. Hański W, et al. **Zentralbl Allg Pathol** 1987; 133(1):61–73

[Pneumonia after aspiration of mineral oil] Vertun-Baranowska B, et al. **Pneumonol Pol** 1986 Dec; 54(12):556-60 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Granuloma-related hypercalcemia in lipoid pneumonia. Rolla AR, et al. **Am J Med Sci** 1986 Nov;292(5):313-6

Surfactant displacement by meconium free fatty acids: an alternative explanation for atelectasis in meconium aspiration syndrome. Clark DA, et al. **J Pediatr** 1987 May; 110(5):765-70

Total lung collapse following aspiration: a case report. Wong DS, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Jun;24(2):136-41

Adult respiratory distress syndrome in adolescents due to aspiration of gastric contents. Brandstetter RD, et al. **NY State J Med** 1986 Oct;86(10):513-6

[Laryngospasm and pulmonary edema (letter)] Tachoires D. **Ann Fr Anesth Reanim** 1987;6(4):367 **(Fre)**

[Chronic cholest..rol pneumonia] Kádas I, et al. **Morphol Igazsagugyi Orv Sz** 1987 Apr;27(2):116-22 (Eng. Abstr.) **(Hun)**

[The role of gastroesophageal reflux and microaspiration in the development of respiratory pathology in children] Tiurina NS, et al. **Pediatriia** 1987;(1):17-21 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Pulmonary aspiration studied by radionuclide milk scanning and barium swallow roentgenography. McVeagh P, et al. **Am J Dis Child** 1987 Aug;141(8):917-21

Chemical analysis of the bronchoalveolar washing fluid in the diagnosis of liquid paraffin pneumonia. Levade T, et al. **J Clin Chem Clin Biochem** 1987 Jan;25(1):45-8

A test for recurrent aspiration in children [editorial] Nickerson BG. **Pediatr Pulmonol** 1987 Mar-Apr;3(2):65-6

[Diagnostic and therapeutic fiber optic bronchoscopy of patients with aspiration complications] Sinev IuV, et al. **Klin Med (Mosk)** 1987 Mar;65(3):63-5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The non-steroidal anti-inflammatory agent, indoprofen, does not protect against hydrochloric acid induced lung injury in the rat. Royston D, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):533-7

ETIOLOGY

Influence of cigarette smoking on the risk of acid pulmonary aspiration. Adelhøj B, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):7-9

Gastric acid aspiration possible during flexible endoscopy without general anesthesia [letter] Kibelbek MJ. **Am J Dis Child** 1987 Feb;141(2):128-9

Does silent aspiration during endotracheal anesthesia cause pulmonary aspiration syndrome? [lett·r] Lee CM. **Anesth Analg** 1987 Feb;66(2):199

Assessment of effect of various modes of premedication on acid aspiration risk factors in outpatient surgery. Manchikanti L, et al. **Anesth Analg** 1987 Jan;66(1):81-4

Meconium aspiration--role of obstetric factors and suction. Benny PS, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):36-9

Aspiration pneumonia and coma--an unusual presentation of dystrophic myotonia. Hannon VM, et al. **Can Anaesth Soc J** 1986 Nov;33(6):803-6

Term abdominal pregnancy, meconium aspiration, and extracorporeal membrane oxygenation. Beck R, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):186-8

Stress ulcer prophylaxis and the risk of nosocomial pneumonia in artificially ventilated patients. Daschner F. **Eur J Clin Microbiol** 1987 Apr;6(2):129-31

Aspiration after percutaneous gastrostomy. Assessment by Tc-99m labeling of the enteral feed. Cole MJ, et al. **J Clin Gastroenterol** 1987 Feb;9(1):90-5

Artificial reflex arc: a potential solution for chronic aspiration. I. Neck skin stimulation triggering strap muscle contraction in the canine. Broniatowski M, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):331-3

Evaluation and management of chronic aspiration. Blitzer A. **NY State J Med** 1987 Mar;87(3):154-60

Aspiration pneumonia in an infant with pharyngonasal reflux and left-sided vocal cord paralysis. Fischer WW, et al. **South Med J** 1987 Jan;80(1):93-5

[Poisoning caused by Eau Ecarlate: apropos of a fatal case in a child] Barrière A, et al. **Cah Anesthesiol** 1987 Mar-Apr; 35(2):125-7 (Eng. Abstr.) **(Fre)**

[The effect of stress ulcer prevention on the incidence of pneumonia in artificial respiration] Daschner F, et al. **Anaesthesist** 1987 Jan;36(1):9-18 (Eng. Abstr.) **(Ger)**

[Aspiration and hypoxia after extubation] Keller UM. **Anaesthesist** 1987 Jan;36(1):39-45 (Eng. Abstr.) **(Ger)**

[Aspiration while awake in high spinal anesthesia after cesarean section] Mizutani A, et al. **Masui** 1987 Jan; 36(1):118-22 (Eng. Abstr.) **(Jpn)**

["Television convulsions" complicated by aspiration of gastric contents and Mendelson's syndrome] Skiba B. **Wiad Lek** 1987 Jan 15;40(2):125-8 (Eng. Abstr.) **(Pol)**

[Bronchopulmonary aspiration syndrome in acute myocardial infarct] Serediuk NN, et al. **Vrach Delo** 1987 Apr;(4):45-7 **(Rus)**

METABOLISM

Accumulation of surfactant phospholipids in lipid pneumonia induced with methylnaphthalene. Taki T, et al. **Lipids** 1986 Sep;21(9):548-52

OCCURRENCE

Gastric volume and pH in children for emergency surgery. Schurizek BA, et al. **Acta Anaesthesiol Scand** 1986 Jul; 30(5):404-8

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 9-1987. A 74-year-old man with diffuse pulmonary consolidations after emesis and apparent aspiration. **N Engl J Med** 1987 Feb 26; 316(9):529-41

Recurrent aspiration in children: lipid-laden alveolar macrophage quantitation. Colombo JL, et al. **Pediatr Pulmonol** 1987 Mar-Apr;3(2):86-9

[Biochemical and cytological study of the alveolar lavage fluid in 4 cases of lipid pneumopathy] Dongay G, et al. **Presse Med** 1986 Oct 25;15(37):1863-8 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Partitioning the respiratory effects of airway citric acid and normal saline in lambs. Hutchison AA, et al. **Pediatr Pulmonol** 1987 Jan-Feb;3(1):45-50

PREVENTION & CONTROL

Antacid therapy for emergency caesarean section. Thorburn J, et al. **Anaesthesia** 1987 Apr;42(4):352-5

Preoperative oral fluids: is a five-hour fast justified prior to elective surgery? Maltby JR, et al. **Anesth Analg** 1986 Nov;65(11):1112-6

Prophylactic intravenous cimetidine reduces the risk of acid aspiration in morbidly obese patients. Lam AM, et al. **Anesthesiology** 1986 Dec;65(6):684-7

Aspiration prevention [letter] Wetstein L, et al. **Ann Thorac Surg** 1987 Aug;44(2):224

Long term use of the vocalaid tracheostomy tube for tracheal toilet [letter] Manara AR, et al. **Br J Anaesth** 1987 Apr; 59(4):523-4

The effects of cimetidine and ranitidine with and without metoclopramide on gastric volume and pH in morbidly obese patients. Lam AM, et al. **Can Anaesth Soc J** 1986 Nov;33(6):773-9

Prophylaxis against Mendelson's syndrome. **Drug Ther Bull** 1986 Apr 21;24(8):31-2

The use of gastrozepin as a prophylaxis against pulmonary acid aspiration: a new muscarinic receptor antagonist. Callander P, et al. **Eur J Anaesthesiol** 1987 Mar;4(2):149-53

Comparison of sodium citrate with magnesium trisilicate as pre-anaesthetic antacid in emergency caesarean sections. Wig J, et al. **Indian J Med Res** 1987 Mar;85:306-10

Conservative laryngectomy (an effective treatment for severe aspiration in motor neurone disease). Hawthorne M, et al. **J Laryngol Otol** 1987 Mar;101(3):283-5

Epiglottopexy: a modification using additional hyoid suspension. Warwick-Brown NP, et al. **J Laryngol Otol** 1986 Oct;100(10):1155-8

Ranitidine as an antacid in elective cesarean delivery and its placenta transfer--a preliminary report. Liu HS, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):18-21

Pharmacologic reduction of the risk of aspiration. Gipson SL, et al. **South Med J** 1986 Nov;79(11):1356-8

[Prevention of the meconium aspiration syndrome in the newborn] Zhang YC. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):44-5, 63 (Eng. Abstr.) **(Chi)**

[Ranitidine, cimetidine and magnesium silicate in the prevention of aspiration pneumonia] Tulli G, et al. **Minerva Anestesiol** 1986 Nov;52(11):375-83 (Eng. Abstr.) **(Ita)**

[Selective use of the muscarinic receptor blockader gastrozepine in preventing Mendelson's syndrome in obstetrics] Nowak J. **Ginekol Pol** 1986 Dec;57(12):797-800 (Eng. Abstr.) **(Pol)**

[Prevention of the aspiration syndrome (a review of the literature)] Gorodinskaia VIa, et al. **Vrach Delo** 1986 Nov; (11):50-3 **(Rus)**

[Resolutive treatment of bronchial aspirations in esophageal surgery] Gisbert J, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):345-50 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Roentgen diagnosis of the esophagus and stomach in children with recurrent and chronic respiratory tract diseases] Wiersbitzky H, et al. **Radiol Diagn (Berl)** 1987; 28(1):65-8 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Radionuclide study of bronchial aspiration in intensive care newborn children. Valat C, et al. **Nucl Med Commun** 1986 Aug;7(8):593-8

VETERINARY

Septic pleuritis associated with an inhaled foreign body in a pony. O'Brien JK. **Vet Rec** 1986 Sep 13;119(11):274-5

PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE

CHEMICALLY INDUCED

Intoxication of cattle by Perilla frutescens (purple mint). Kerr LA, et al. **Vet Hum Toxicol** 1986 Oct;28(5):412-6

PNEUMONIA, EOSINOPHILIC see **PULMONARY EOSINOPHILIA**

PNEUMONIA, INTERSTITIAL see **PULMONARY FIBROSIS**

PNEUMONIA, INTERSTITIAL PLASMA CELL see **PNEUMONIA, PNEUMOCYSTIS CARINII**

PNEUMONIA, LIPID see under **PNEUMONIA, ASPIRATION**

PNEUMONIA, LOBAR

Pneumococcal pneumonia. Diagnostic, epidemiologic, therapeutic and prophylactic considerations. Austrian R. **Chest** 1986 Nov;90(5):738-43

COMPLICATIONS

Necrotizing pneumonia in bacteraemic pneumococcal infection. Isaacs RD. **Br J Dis Chest** 1986 Jul;80(3):295-6

Fatal pneumococcal pneumonia. Wheeler AP. **J Tenn Med Assoc** 1987 May;80(5):290-1

Pneumococcal pneumonia and hemolytic uremic syndrome. Feld LG, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):693-5

Concurrent community-acquired pneumonia with Legionella pneumophila and Streptococcus pneumoniae. Brown RB, et al. **South Med J** 1987 Mar;80(3):401-2

S. pneumoniae: important contributor to morbidity and mortality in patients with chronic obstructive pulmonary disease--fact or fiction? Davis AL, et al. **Trans Am Clin Climatol Assoc** 1986;98:105-18

[Meningism syndrome in acute pneumonia] Saksonov SI, et al. **Klin Med (Mosk)** 1986 Dec;64(12):108-9 **(Rus)**

DIAGNOSIS

Etiologic diagnosis of pneumonia by antigen detection: crossreactions between pneumococcal C-polysaccharide and oral microorganisms. Sjögren AM, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):239-48

A new coagglutination test for detecting pneumococcal C-polysaccharide. Krook A, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):68-9

Diagnosis of pneumococcal pneumonia by detection of antigen in saliva. Krook A, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):639-42

Comparison of immunological methods for diagnosis of pneumococcal pneumonia in biological fluids. Lenthe-Eboa S, et al. **Eur J Clin Microbiol** 1987 Feb; 6(1):28-34

Bacterial pneumonia: specific diagnosis and treatment of the elderly. Gleckman RA, et al. **Geriatrics** 1987 Sep; 42(9):29-36, 41

Pneumococcal antibody levels in patients with acute lung infiltrates. Löwenberg A, et al. **Infection** 1987 May-Jun; 15(3):192-9

Commercial latex agglutination tests for detection of Haemophilus influenzae type b and Streptococcus pneumoniae antigens in patients with bacteremic pneumonia. Ajello GW, et al. **J Clin Microbiol** 1987 Aug; 25(8):1388-91

Diagnosis of pneumococcal pneumonia by enzyme-linked immunosorbent assay of antibodies to pneumococcal hemolysin (pneumolysin). Kalin M, et al. **J Clin Microbiol** 1987 Feb;25(2):226-9

Detection of Streptococcus pneumoniae and Haemophilus influenzae type b antigens in acute nonbacteremic pneumonia. Martin SJ, et al. **J Clin Microbiol** 1987 Feb; 25(2):248-50

Counter immuno electrophoresis for the diagnosis of Strept. pneumonia and H. influenzae pneumonia. Azmi F, et al. **JPMA** 1987 Jun;37(6):148-52

Diagnosing pneumococcal pneumonia [letter] [published erratum appears in Lancet 1987 Jul 18;2(8551):170] Gottlieb T, et al. **Lancet** 1987 Jun 6;1(8545):1312-3

Fatal-Jarisch Herxheimer reaction in a case of relapsing fever misdiagnosed as lobar pneumonia. Melkert PW. **Trop Geogr Med** 1987 Jan;39(1):92-3

[Clinico-anatomical characteristics of croupous pneumonia] Boĭko IuG, et al. **Klin Med (Mosk)** 1986 Dec;64(12):58-62 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course of acute pneumonia in the presence of different microflora in the sputum] Gnilitskaia VB, et al. **Klin Med (Mosk)** 1987 May; 65(5):125-8 (Eng. Abstr.) **(Rus)**

[Early detection and rapid identification of Streptococcus pneumoniae and Haemophilus influenzae in acute pneumonias] Frolov AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):47-9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The pneumococcus and the mouse-protection test:

correlation of in vitro and in vivo activity for beta-lactam antibiotics, vancomaycin, erythromycin and gentamicin. Frimodt-Møller N, et al.
Acta Pathol Microbiol Immunol Scand [B] 1987 Jun; 95(3):159–65

Experimental pneumococcus infection in mice: correlation of bactericidal activity in vitro with the effect in vivo for gentamicin, netilmicin and tobramycin. Frimodt-Møller N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Jun; 95(3):153–8

4-quinolones and pneumococcal infection [letter] Ball P, et al. **Br J Hosp Med** 1986 Dec;36(6):461–2

Therapeutic failure due to Branhamella catarrhalis in pneumoccal pneumonia [letter] Motte S, et al. **Chest** 1987 Aug;92(2):382–3

Risk factors and response to antibiotic therapy in adults with bacteremic pneumonia caused by penicillin-resistant pneumococci. Pallares R, et al. **N Engl J Med** 1987 Jul 2;317(1):18–22

[Transthoracic administration of antibiotics in acute pneumonia] Provotorov VM, et al. **Klin Med (Mosk)** 1987 May;65(5):120–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Induction of pulmonary inflammation by components of the pneumococcal cell surface. Tuomanen E, et al.
Am Rev Respir Dis 1987 Apr;135(4):869–74

Bacteremic pneumonia after fiberoptic bronchoscopy. Etzkorn ET, et al. **Milit Med** 1987 May;152(5):263–4

Lobar pneumonia and pneumatocele formation due to Salmonella paratyphi B in an infant. Cağlar MK, et al. **Turk J Pediatr** 1986 Oct–Dec;28(4):279–83

[Ornithosis as a general systemic disorder] Eeckhout E, et al. **Ned Tijdschr Geneeskd** 1986 Aug 16;130(33):1487–9 (Eng. Abstr.) **(Dut)**

[Disseminated pneumococcal infections in patients with chronic alcoholism] Tangen JM. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):23–4 (Eng. Abstr.) **(Nor)**

[Etiological characteristics of bacterial and viral pneumonias in children and adults] Maskeev KM, et al.
Probl Tuberk 1987;(4):50–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cimetidine does not impair lung host defense in experimental pneumococcal pneumonia. Esposito AL.
Am Rev Respir Dis 1987 Aug;136(2):320–4

Effect of the elastase inhibitor, eglin-c, on antibacterial mechanisms in experimental pneumonia. Description of a system to quantitate phagocytic and bactericidal activity of resident murine alveolar macrophages in vivo. Esposito AL, et al. **Am Rev Respir Dis** 1987 Mar;135(3):676–81

Isolation and characterization of circulating immune complexes from patients with pneumococcal pneumonia. Mellencamp MA, et al. **Infect Immun** 1987 Aug; 55(8):1737–42

MICROBIOLOGY

Community-acquired pneumonia in an adult due to a multiply-resistant pneumococcus [letter] Sacho H, et al. **J Infect** 1987 Mar;14(2):188–9

Penicillin-insensitive pneumococcus: a case report from South Carolina. Howell RR, et al. **J SC Med Assoc** 1986 Aug;82(8):507–8

[Significance of pneumonias caused by Streptococcus pneumoniae (letter)] Károlyi A, et al. **Orv Hetil** 1987 Jul 19;128(29):1544 **(Hun)**

OCCURRENCE

The etiology of lobar pneumonia in the Gambia. Wall RA, et al. **Bull WHO** 1986;64(4):553–8

Etiology of community-acquired pneumonia in out-patients. Berntsson E, et al. **Eur J Clin Microbiol** 1986 Aug; 5(4):446–7

A prospective survey of hospital cross-infection with Streptococcus pneumoniae. Davies AJ, et al.
J Hosp Infect 1987 Mar;9(2):162–8

[Bacteremic pneumonia caused by Streptococcus pneumoniae: prospective study of 31 cases (letter)] Torné Cachot J, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):172–3 **(Spa)**

PREVENTION & CONTROL

Pneumococcal infection and immunologic response to pneumococcal vaccine in chronic obstructive pulmonary disease. A pilot study. Davis AL, et al. **Chest** 1987 Aug; 92(2):204–12

Continuing controversy: pneumococcal vaccine and COPD [editorial] Williams JH Jr. **Chest** 1987 Aug;92(2):193–4

Pneumococcal vaccine failure in a child with sickle-cell disease: a case report. Castro R, et al. **Del Med J** 1987 Jan;59(1):21–2

Pneumonia and influenza: vaccination of elderly is justified. Besdine RW. **Geriatrics** 1986 Nov;41(11):13–6

Pneumococcal polysaccharide vaccine prevents death from pneumonia in Papua New Guinean children. Lehmann D. **Papua New Guinea Med J** 1986 Dec;29(4):281–3

RADIOGRAPHY

Occult pneumonia associated with dehydration: myth or reality. Hall FM, et al. **AJR** 1987 May;148(5):853–4

Pneumonia presenting as a radiographic mass in a child. Leonidas JC. **Mt Sinai J Med (NY)** 1986 Jun;53(6):489–90

[Chronic nonspecific lower lobar pneumonia and simple pulmonary hypoplasia complicated by an inflammatory process in children] Polda ZS. **Vestn Rentgenol Radiol** 1987 May-Jun;(3):16–22 (Eng. Abstr.) **(Rus)**

THERAPY

Comparison of regional pulmonary perfusion in lobar pneumonia during high frequency and conventional mechanical ventilation in sheep. Girotti MJ, et al.
Can J Anaesth 1987 May;34(3 (Pt 1)):252–8

PNEUMONIA, MYCOPLASMA

Pneumonias in adults due to mycoplasma, chlamydiae, and viruses. Luby JP. **Am J Med Sci** 1987 Jul;294(1):45–64

BLOOD

Serum folate in viral and mycoplasmal infections. Jacobson W, et al. **J Infect** 1987 Mar;14(2):103–11

Alpha interferon in the sera of patients infected with Mycoplasma pneumoniae. Nakayama T, et al.
J Infect Dis 1986 Nov;154(5):904–6

COMPLICATIONS

Mycoplasma pneumoniae is a frequent cause of exacerbation of bronchial asthma in adults. Seggev JS, et al.
Ann Allergy 1986 Oct;57(4):263–5

Myalgia cruris epidemica (benign acute childhood myositis) associated with a Mycoplasma pneumonia infection. Belardi C, et al. **Ann Emerg Med** 1987 May;16(5):579–81

Direct invasion of the central nervous system by Mycoplasma pneumoniae: a report of two cases. Abramovitz P, et al.
J Infect Dis 1987 Mar;155(3):482–7

Viral and bacterial organisms associated with acute pharyngitis in a school-aged population. McMillan JA, et al. **J Pediatr** 1986 Nov;109(5):747–52

Cerebral infarction associated with Mycoplasma pneumoniae infection [letter] Dowd AB, et al. **Lancet** 1987 Sep 5; 2(8558):567

Stroke in a young adult with Mycoplasma pneumoniae infection complicated by intravascular coagulation. Mulder LJ, et al. **Neurology** 1987 Aug;37(8):1430–1

Neurological complications associated with Mycoplasma pneumoniae infection in children. Carstensen H, et al.
Neuropediatrics 1987 Feb;18(1):57–8

[Stevens-Johnson syndrome associated with Mycoplasma pneumoniae infection. Apropos of a pediatric case] Lachaux A, et al. **Pediatrie** 1986 Apr-May;41(3):221–6 (Eng. Abstr.) **(Fre)**

[Responsibility of Mycoplasma pneumonia in prolonged fever without pneumopathy [letter]] Chagnon A, et al.
Presse Med 1986 Nov 15;15(40):2021 **(Fre)**

[Cough, fever and jaundice] Walger P, et al.
Schweiz Rundsch Med Prax 1987 Feb 3;76(6):141–4 (Eng. Abstr.) **(Ger)**

[A case of Mycoplasma pneumonia, complicated by autoimmune cold agglutinin hemolytic anemia] Inuzuka S, et al. **Kansenshogaku Zasshi** 1986 Jul;60(7):701–6 (Eng. Abstr.) **(Jpn)**

[Hyper-IgM-globulinemia associated with pneumonia due to Mycoplasma pneumoniae] Isoda M, et al.
Kansenshogaku Zasshi 1987 Feb;61(2):194–8 (Eng. Abstr.) **(Jpn)**

[Acute thrombocytopenic purpura associated with Mycoplasma pneumoniae infection] Isoyama K, et al.
Kansenshogaku Zasshi 1987 Feb;61(2):147–52 (Eng. Abstr.) **(Jpn)**

[A case of pneumonia associated with increased antibody titers to simultaneous Mycoplasma pneumoniae and Chlamydia psittaci] Kishimoto A, et al.
Kansenshogaku Zasshi 1986 Oct;60(10):1154–9 (Eng. Abstr.) **(Jpn)**

[Myocarditis and pericarditis caused by Mycoplasma pneumoniae infection] Wróblewska-Kałużewska M, et al. **Pediatr Pol** 1986 Oct;61(10):656–63 (Eng. Abstr.) **(Pol)**

[Arthritis in Mycoplasma pneumoniae infection] Wróblewska-Kałużewska M, et al. **Pol Tyg Lek** 1987 Feb 2;42(5):124–6 (Eng. Abstr.) **(Pol)**

[Role of Mycoplasma pneumoniae in meningitis and meningoencephalitis] Kononenko VV, et al. **Vrach Delo** 1987 Mar;(3):108–11 (Eng. Abstr.) **(Rus)**

[Devic's syndrome complicating a Mycoplasma pneumoniae infection] Pérez García C, et al. **Rev Clin Esp** 1987 Jun; 181(1):29–31 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Stevens-Johnson syndrome associated with Mycoplasma pneumoniae infection. Adunsky A, et al. **Cutis** 1987 Aug; 40(2):123–4

A 168-kilodalton protein of Mycoplasma pneumoniae used as antigen in a dot enzyme-linked immunosorbent assay. Jacobs E, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):435–40

Mycoplasmal infections. Pulmonary and extrapulmonary manifestations. Moskal MJ. **Postgrad Med** 1987 Sep 1; 82(3):104–9, 112 (44 ref.)

Mycoplasmal pneumonia in children. Lee JK, et al.
Yonsei Med J 1986;27(4):300–6

[Clinical analysis of 28 cases of infection by mycoplasma pneumoniae] Gu C. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):78–80, 124 (Eng. Abstr.) **(Chi)**

[Pneumopathy with atypical aspects, ornithosis or Mycoplasma pneumoniae infection? (letter)] Ragnaud JM, et al. **Rev Pneumol Clin** 1986;42(4):215 **(Fre)**

[Infections caused by Mycoplasma pneumoniae in children and adolescents] Handrick W, et al.
Z Erkr Atmungsorgane 1987;168(1):59–65 (Eng. Abstr.) **(Ger)**

[Liver function tests: serologic diagnosis (non-specific reactions). B. Paul-Bunnell and cold agglutinin reactions] Jo K. **Rinsho Byori** 1986 Jun;34 Spec No 67:113–21 (15 ref.) **(Jpn)**

[The use of the complement fixation inhibition test for the detection of incomplete antibodies against Mycoplasma pneumoniae] Kruglikov VT, et al. **Lab Delo** 1986;(12):752–3 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenologic characteristics of bronchopulmonary mycoplasmosis in children] Cheshik SG, et al. **Pediatriia** 1987;(1):35–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of oxytetracycline and erythromycin on Syrian hamsters after intratracheal infection with Mycoplasma pneumoniae. Ritter E, et al.
J Hyg Epidemiol Microbiol Immunol 1987;31(1):83–9

ENZYMOLOGY

Detection of elevated levels of 2-5A synthetase in serum from children with various infectious diseases. Sugino H, et al. **J Clin Microbiol** 1986 Sep;24(3):478–81

ETIOLOGY

[Etiological characteristics of bacterial and viral pneumonias in children and adults] Maskeev KM, et al.
Probl Tuberk 1987;(4):50–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoglobulin M rheumatoid factor in patients with mycoplasmal pneumonia. Mizutani H, et al.
Am Rev Respir Dis 1986 Dec;134(6):1237–40

Autoantibodies in infections of the respiratory tract with Mycoplasma pneumoniae or influenza virus A. Hodson ME, et al. **Eur J Respir Dis** 1987 Aug;71(2):86–92

Depressed cellular immunity in Mycoplasma pneumoniae pneumonia. Tsunekawa H, et al. **Eur J Respir Dis** 1987 May;70(5):293–9

The principal protein antigens of isolates of Mycoplasma pneumoniae as measured by levels of immunoglobulin G in human serum are stable in strains collected over a 10-year period. Vu AC, et al. **Infect Immun** 1987 Aug; 55(8):1830–6

Comparison of enzyme-linked immunosorbent assay and radioimmunoprecipitation test for detection of immunoglobulin A antibodies to Mycoplasma pneumoniae in nasal secretions. Naot Y, et al. **J Clin Microbiol** 1986 Nov;24(5):892–3

[Analysis of lymphocyte subsets in the peripheral blood in patients with Mycoplasma pneumoniae pneumonia] Hayashi S, et al. **Kansenshogaku Zasshi** 1986 Apr; 60(4):387–9 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Isolation of Mycoplasma pneumoniae from bronchoalveolar lavage fluid. Lehtomäki K, et al. **J Infect Dis** 1987 Jun; 155(6):1339–41

OCCURRENCE

Mycoplasma pneumoniae infections in a rural setting in Canada. Dular R, et al. **Can Med Assoc J** 1987 Jun 15; 136(12):1271–3

Etiology of community-acquired pneumonia in out-patients. Berntsson E, et al. **Eur J Clin Microbiol** 1986 Aug; 5(4):446–7

PATHOLOGY

Thrombocytopenia and fatal intracerebral hemorrhage associated with Mycoplasma pneumoniae pneumonia [letter] Miller SN, et al. **NY State J Med** 1986 Nov; 86(11):605–7

[Cellular analysis of the bronchoalveolar lavage fluid of hamsters infected with Mycoplasma pneumoniae] Yano T. **Kansenshogaku Zasshi** 1987 Jan;61(1):87–100 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Hemophagocytosis secondary to Mycoplasma pneumoniae infection. Gill K, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):668–70

Atypical pneumonia. Turnidge J. **Aust Fam Physician** 1987 May;16(5):574, 579–80

RADIOGRAPHY

Obliterative bronchiolitis due to Mycoplasma pneumoniae infection in a child. Isles AF, et al. **Pediatr Radiol** 1987; 17(2):109–11

[Mycoplasma pneumoniae encephalitis] Schmidt H, et al.
ROFO 1987 Jul;147(1):32–5 (Eng. Abstr.) **(Ger)**

VETERINARY

[Demonstration of Mycoplasma in sheep pneumonia and experimental pneumonia produced by Mycoplasma arginini] Bocklisch H, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):249–57 (Eng. Abstr.) **(Ger)**

PNEUMONIA, PNEUMOCOCCAL see PNEUMONIA, LOBAR

PNEUMONIA, PNEUMOCYSTIS CARINII

Improved rat model for studying Pneumocystis carinii pneumonia. Bartlett MS, et al. **J Clin Microbiol** 1987 Mar; 25(3):480–4

Pneumocystis carinii pneumonia in Johannesburg. Pincus PS, et al. **S Afr Med J** 1987 Mar 7;71(5):289–93

Pneumocystis carinii pneumonia. Pincus PS, et al. **S Afr Med J** 1987 Mar 7;71(5):293–7 (40 ref.)

[Pneumocystis carinii pneumonia—a review] Ziefer A, et al. **Immun Infekt** 1986 Sep;14(5):170–7 (76 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

Serological study of Pneumocystis carinii infection in the absence of immunosuppression. Gerrard MP, et al. **Arch Dis Child** 1987 Feb;62(2):177–9

Cyclooxygenase inhibition and improved oxygenation in patients with pulmonary complications of AIDS. Foster SH, et al. **NY State J Med** 1987 May;87(5):280–2

COMPLICATIONS

Evidence for destruction of lung tissues during Pneumocystis carinii infection. Eng RH, et al. **Arch Intern Med** 1987 Apr; 147(4):746–9

P carinii and pneumothorax [letter] Felzenberg JD, et al. **Chest** 1987 Jun;91(6):934

Endobronchial Pneumocystis carinii infection in a patient with the acquired immune deficiency syndrome. Gagliardi AJ, et al. **Chest** 1987 Mar;91(3):463–4

Lymphocytic interstitial pneumonia in patients at risk for the acquired immune deficiency syndrome. Morris JC, et al. **Chest** 1987 Jan;91(1):63–7

Pneumocystis carinii pneumonia with spontaneous pneumothorax. A report of three cases. Sherman M, et al. **Chest** 1986 Oct;90(4):609–10

Pulmonary infections in AIDS. Donath J, et al. **Compr Ther** 1987 Feb;13(2):49–58 (14 ref.)

Ultrastructural study of Letterer–Siwe disease in three infants, one complicated by pneumocystosis. Chaudhry AP, et al. **J Oral Med** 1983 Apr–Jun;38(2):47–55

Pneumocystis carinii pneumonitis in adults with acute lymphoblastic leukaemia [letter] Milligan DW, et al. **Lancet** 1987 Apr 11;1(8537):867

Pneumocystis carinii choroiditis in a male homosexual with AIDS and disseminated pulmonary and extrapulmonary P. carinii infection [letter] Macher AM, et al. **N Engl J Med** 1987 Apr 23;316(17):1092

Pneumocystis carinii infections in patients with AIDS [letter] el-Sadr W, et al. **Rev Infect Dis** 1987 May–Jun;9(3):660–2

Pneumocystis carinii pneumonia complicating intermittent Cushing's syndrome. Findling JW, et al. **Wis Med J** 1986 Sep;85(9):23–5

[Severe pneumopathy caused by Pneumocystis carinii in chickenpox in a immunosuppressed adult (letter)] Gaussorgues P, et al. **Ann Med Interne (Paris)** 1987; 138(3):225 **(Fre)**

[Unexplained dyspnea in systemic diseases. Importance of bronchiolo-alveolar lavage (letter)] Labrune S, et al. **Presse Med** 1987 Apr 25;16(15):733–4 **(Fre)**

DIAGNOSIS

Role of bronchial brushings in AIDS with Pneumocystis carinii pneumonia. Sarkar TK, et al. **AIDS Res** 1986 Fall; 2(4):321–4

Pneumocystis carinii pneumonia—changing status. Harris LF. **Ala Med** 1987 Jul;57(1):14, 17–9

Pneumocystis carinii pneumonia presenting as cavitating and noncavitating solitary pulmonary nodules in patients with the acquired immunodeficiency syndrome. Barrio JL, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1094–6

The effectiveness of bronchoscopy in the diagnosis of Pneumocystis carinii and cytomegalovirus pulmonary infections in acquired immunodeficiency syndrome. Gal AA, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):238–41

Evaluation of enzyme-linked immunosorbent assay as a serodiagnostic tool—clinical and epidemiological aspects of pneumocystosis in young infants. Rădulescu S, et al. **Arch Roum Pathol Exp Microbiol** 1986 Apr–Jun; 45(2):117–28

Clinical and bronchoscopic diagnosis of suspected pneumonia related to AIDS [letter] **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1502–3

Clinical and bronchoscopic diagnosis of suspected pneumonia related to AIDS. Pozniak AL, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):797–9

Serology and P carinii [letter] Walzer PD, et al. **Chest** 1987 Jun;91(6):935–6

Single cysts of P. carinii identified on Papanicolaou smears [letter] Chess Q, et al. **Diagn Cytopathol** 1987 Mar; 3(1):89–90

Strategy in immunocompromised patients with pulmonary infiltrates [editorial] Cartier F. **Intensive Care Med** 1987; 13(2):87–8

Simultaneous demonstration of cyst walls and intracystic bodies of Pneumocystis carinii in paraffin embedded lung sections using Gomori's methenamine silver nitrate and Giemsa stain. Shiota T. **J Clin Pathol** 1986 Nov; 39(11):1269–71

Diagnosing Pneumocystis carinii pneumonia by cytological examination of bronchoalveolar lavage fluid: report of 15 cases. Young JA, et al. **J Clin Pathol** 1986 Sep;39(9):945–9

Infant pneumonitis associated with cytomegalovirus, Chlamydia, Pneumocystis, and Ureaplasma: follow-up. Brasfield DM, et al. **Pediatrics** 1987 Jan;79(1):76–83

Flexible bronchoscopy in the diagnosis of Pneumocystis carinii pneumonia in patients with acquired immune deficiency syndrome. Chuang MT, et al. **South Med J** 1986 Nov;79(11):1363–5

[Inhalation pneumonia presenting as a pneumocystis infection] de Fenoyl O, et al. **Rev Mal Respir** 1987; 4(2):97–100 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

High-dose corticosteroids as adjunct therapy in severe Pneumocystis carinii pneumonia. el-Sadr W, et al. **AIDS Res** 1986 Fall;2(4):349–55

Pneumocystis carinii pneumonia [letter] Furio MM, et al. **Am J Med** 1987 May;82(5):1091–2

Trimethoprim-sulfamethoxazole or pentamidine for Pneumocystis carinii pneumonia [letter] **Ann Intern Med** 1987 Mar;106(3):474–6

Inhaled or reduced-dose intravenous pentamidine for Pneumocystis carinii pneumonia. A pilot study. Conte JE Jr, et al. **Ann Intern Med** 1987 Oct;107(4):495–8

Persistence of trophozoites after successful treatment of Pneumocystis carinii pneumonia. el-Sadr W, et al. **Ann Intern Med** 1986 Dec;105(6):889–90

Successful treatment with aerosolized pentamidine of Pneumocystis carinii pneumonia in rats. Debs RJ, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):37–41

Comparison of histologic and quantitative techniques in evaluation of therapy for experimental Pneumocystis carinii pneumonia. Kim CK, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):197–201

Adverse reactions associated with pentamidine isethionate in AIDS patients: recommendations for monitoring therapy. Andersen R, et al. **Drug Intell Clin Pharm** 1986 Nov;20(11):862–8

Comment: pentamidine monitoring [letter] Oliff L. **Drug Intell Clin Pharm** 1987 May;21(5):467

Pentamidine isethionate. A review of its antiprotozoal activity, pharmacokinetic properties and therapeutic use in Pneumocystis carinii pneumonia. Goa KL, et al. **Drugs** 1987 Mar;33(3):242–58 (84 ref.)

Eflornithine treatment of Pneumocystis carinii pneumonia in AIDS [letter] Gilman TM, et al. **JAMA** 1986 Oct 24–31; 256(16):2197–8

Co-trimoxazole treatment of two fatal cases of Pneumocystis carinii pneumonia—changes in protozoan morphology and treatment method. Mori T, et al. **Kansenshogaku Zasshi** 1987 Feb;61(2):118–25

Corticosteroids as adjunctive therapy in treatment of Pneumocystis carinii pneumonia in patients with acquired immunodeficiency syndrome. MacFadden DK, et al. **Lancet** 1987 Jun 27;1(8548):1477–9

Aerosolised pentamidine as sole therapy for Pneumocystis carinii pneumonia in patients with acquired immunodeficiency syndrome. Montgomery AB, et al. **Lancet** 1987 Aug 29;2(8557):480–3

Role for steroids in treatment of Pneumocystis carinii pneumonia in AIDS [letter] Mottin D, et al. **Lancet** 1987 Aug 29;2(8557):519

Treatment for Pneumocystis carinii infection in leukaemia [letter] Shaw NJ, et al. **Lancet** 1987 Aug 29;2(8557):518–9

Use of trimethoprim-sulfamethoxazole in the treatment of Pneumocystis carinii pneumonitis in patients with acquired immunodeficiency syndrome. Wofsy CB. **Rev Infect Dis** 1987 Mar–Apr;9 Suppl 2:S184–94 (40 ref.)

Pneumocystis carinii pneumonia [letter] Pincus PS, et al. **S Afr Med J** 1987 Jul 4;72(1):88

Drug treatment of pneumonia due to Pneumocystis carinii. Huffman D, et al. **Tex Med** 1987 Feb;83(2):27–30

[Refractory respiratory tract infections. 9. Chemotherapy of recent respiratory tract infections. e. Pneumocystis carinii infection] Mochizuki Y. **Nippon Rinsho** 1987 Mar; 45(3):632–6 (20 ref.) **(Jpn)**

ETIOLOGY

Pneumocystis carinii pneumonia. Kaufman DL. **Adv Exp Med Biol** 1986;202:153–69 (69 ref.)

Pulmonary and neurologic complications of treatment with FIAC (2'fluoro-5-iodo-aracytosine) in patients with acquired immune deficiency syndrome (AIDS). Gold JW, et al. **AIDS Res** 1983–84;1(4):243–52

Unusual remission of Pneumocystis carinii pneumonia in a patient with the acquired immune deficiency syndrome. Hurley P, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):645–8

Pneumocystis carinii pneumonia. Review of 53 cases. Peters SG, et al. **Am J Med** 1987 Jan;82(1):73–8

Cyclosporine therapy and refractory Pneumocystis carinii pneumonia. A potential association. Franson TR, et al. **Arch Surg** 1987 Sep;122(9):1034–5

Pneumocystis carinii pneumonia in infants given adrenocorticotropic hormone for infantile spasms. Quittell LM, et al. **J Pediatr** 1987 Jun;110(6):901–3

Pneumocystis carinii pneumonitis, eosinophilia and hypogammaglobulinemia. Pattison N, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):293–4

Pneumocystis carinii infection: evidence for high prevalence in normal and immunosuppressed children. Pifer LL, et al. **Pediatrics** 1978 Jan;61(1):35–41

Pneumocystis carinii and Toxoplasma gondii infections in patients with AIDS. Mills J. **Rev Infect Dis** 1986 Nov–Dec; 8(6):1001–11 (58 ref.)

[Experimental infection with Pneumocystis carinii in mice] Yuan JY. **Chung Hua I Hsueh Tsa Chih** 1987 Feb; 67(2):102–4 **(Chi)**

[Acute fulminating pulmonary insufficiency in a patient with AIDS not previously recognized] Sonnenschein C, et al. **Ugeskr Laeger** 1987 Mar 23;149(13):849–50 (Eng. Abstr.) **(Dan)**

[Pneumocystis carinii pneumonia in patients with AIDS (published erratum appears in Ned Tijdschr Geneeskd 1987 Apr 18;131(16):688)] Eeftinck Schattenkerk JK, et al. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):385–8 **(Dut)**

[Identification of Pneumocystis carinii in a patient dying of AIDS] Caramello P, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):171–7 (Eng. Abstr.) **(Ita)**

[AIDS and opportunistic infections] Hirose S. **Nippon Rinsho** 1986 Oct;44(10):2182–6 **(Jpn)**

[AIDS and Pneumocystis carinii pneumonia] Yoshida Y. **Nippon Rinsho** 1986 Oct;44(10):2187–92 **(Jpn)**

IMMUNOLOGY

Pneumocystis carinii: immunoblotting and immunofluorescent analyses of serum antibodies during experimental rat infection and recovery. Walzer PD, et al. **Exp Parasitol** 1987 Jun;63(3):319–28

Evidence for depressed humoral immunity to Pneumocystis carinii in homosexual males, commercial plasma donors, and patients with acquired immunodeficiency syndrome. Pifer LL, et al. **J Clin Microbiol** 1987 Jun;25(6):991–5

A comparison of the antigenic characteristics of rat and human Pneumocystis carinii by immunoblotting. Walzer PD, et al. **J Immunol** 1987 Apr 1;138(7):2257–65

METABOLISM

Immunohistological localization of immunoglobulins in pneumocystosis of adults. Merlier JF, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):43–9

MICROBIOLOGY

Plastic embedding evaluation of Pneumocystis carinii pneumonia in AIDS. Simultaneous demonstration of cyst and sporozoite forms. Schwartz DA, et al. **Am J Surg Pathol** 1987 Apr;11(4):304–9

MORTALITY

Early predictors of in-hospital mortality for Pneumocystis carinii pneumonia in the acquired immunodeficiency syndrome. Kales CP, et al. **Arch Intern Med** 1987 Aug; 147(8):1413–7

Prognostic indicators in patients with the acquired immune deficiency syndrome (AIDS) and respiratory infection. McCullough PC, et al. **Respiration** 1986;50(4):286–93

OCCURRENCE

Pneumocystis carinii in human lungs at autopsy. Settnes OP, et al. **Scand J Infect Dis** 1986;18(6):489–96

PARASITOLOGY

Experimental Pneumocystis carinii pneumonia in rats as parasite source for in vitro cultures. Rădulescu S, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):47–56

Diagnosing Pneumocystis carinii [letter] Hartman B, et al. **Chest** 1987 Feb;91(2):290–1

Pneumocystis carinii in bronchoalveolar lavage [letter] Campbell GM, et al. **J Clin Pathol** 1987 Mar;40(3):354

An improved method of isolating Pneumocystis carinii from infected rat lungs. Gradus MS, et al. **J Parasitol** 1986 Oct; 72(5):690–8

Morphology, development and behavior of Pneumocystis carinii observed by light-microscopy in nude mice. Shiota T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug; 262(2):230–9

[Pneumocystis carinii in male drug addicts: morphologic study of the parasite] Carluccio AV, et al. **Boll Ist Sieroter Milan** 1986;65(6):557–62 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Pneumocystis carinii involvement of the bone marrow in acquired immunodeficiency syndrome. Heyman MR, et al. **Am J Clin Pathol** 1987 Jun;87(6):780–3

Pneumocystis carinii pneumonia. Cytologic manifestations and rapid diagnosis in routinely prepared Papanicolaou-stained preparations. Flint A, et al.

Am J Med 1986 Dec;81(6):1009–11
Experimental Pneumocystis carinii pneumonia in the ferret. Stokes DC, et al. **Br J Exp Pathol** 1987 Apr;68(2):267–76
Efficacy and complications of transthoracic needle biopsy of lung in patients with Pneumocystis carinii pneumonia and AIDS. Batra P, et al. **J Thorac Imaging** 1987 Apr; 2(2):79–80
[Pneumocystis pneumonia: pathological case report] Wu ZS, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar; 17(1):45–7 (Eng. Abstr.) **(Chi)**
[Bronchoscopic detection of pneumocystis carinii pneumonia] Dörfler H, et al. **Med Klin** 1987 Jul 17;82(15–16):515–7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Accelerated solute clearance in Pneumocystis carinii pneumonia. Mason GR, et al. **Am Rev Respir Dis** 1987 Apr;135(4):864–8
[Acquired immunodeficiency syndrome in children] Geormineanu M, et al.
Rev Pediatr Obstet Ginecol [Pediatr] 1986 Jul–Sep; 35(3):209–13 **(Rum)**

PREVENTION & CONTROL

Use of pyrimethamine–sulfadoxine (Fansidar) in prophylaxis against chloroquine-resistant Plasmodium falciparum and Pneumocystis carinii. Pearson RD, et al.
Ann Intern Med 1987 May;106(5):714–8 (40 ref.)
Co-trimoxazole red cell aplasia in leukaemia. Unter CE, et al. **Arch Dis Child** 1987 Jan;62(1):85–7
Successful intermittent chemoprophylaxis for Pneumocystis carinii pneumonitis. Hughes WT, et al. **N Engl J Med** 1987 Jun 25;316(26):1627–32
Preliminary studies on the development of a vaccine for Pneumocystis carinii. I. Immunological and biochemical characterization. Pifer LL, et al. **Vaccine** 1986 Dec; 4(4):257–65

RADIOGRAPHY

Radiographic resolution of Pneumocystis carinii pneumonia in response to corticosteroid therapy. Rankin JA, et al. **Am Rev Respir Dis** 1987 Jul;136(1):182–3
Roentgenographic patterns of Pneumocystis carinii pneumonia in 104 patients with AIDS. DeLorenzo LJ, et al. **Chest** 1987 Mar;91(3):323–7
Pneumocystis pneumonia in a patient with normal chest roentgenograms and normal arterial blood gas values. Kelly AR, et al. **South Med J** 1986 Oct;79(10):1315–6

RADIONUCLIDE IMAGING

Negative gallium scan in an AIDS patient with Pneumocystis pneumonia. Binstock P, et al. **Br J Radiol** 1987 Jul; 60(715):714–7
Technetium–99m DTPA aerosol and gallium scanning in acquired immune deficiency syndrome. Picard C, et al. **Clin Nucl Med** 1987 Jul;12(7):501–6
Gallium lung scans in Pneumocystis pneumonia [letter] Moinuddin M, et al. **South Med J** 1987 Sep;80(9):1199–200

TRANSMISSION

Intra- and inter-species transmission and antigenic difference of Pneumocystis carinii derived from rat and mouse. Furuta T, et al. **Jpn J Exp Med** 1987 Feb;57(1):11–7
[Pneumocystis carinii pneumonia in children] Kurennaia SS, et al. **Pediatriia** 1986 Jul;(7):72–3 **(Rus)**

VETERINARY

Pneumocystis infection in macaque monkeys: Macaca fuscata fuscata and Macaca fascicularis. Matsumoto Y, et al. **Parasitol Res** 1987;73(4):324–7

PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP

ETIOLOGY

Pathogenesis of visna/maedi and caprine arthritis–encephalitis: new leads on the mechanism of restricted virus replication and persistent inflammation. Zink MC, et al. **Vet Immunol Immunopathol** 1987 May; 15(1–2):167–80 (43 ref.)
Breed susceptibility to ovine progressive pneumonia (maedi/visna) virus. Cutlip RC, et al. **Vet Microbiol** 1986 Sep;12(3):283–8
Pathogenesis of maedi–visna. Dawson M. **Vet Rec** 1987 May 9;120(19):451–4 (34 ref.)

IMMUNOLOGY

Seroreactivity of Peruvian sheep and goats to small ruminant lentivirus–ovine progressive pneumonia virus. Madewell BR, et al. **Am J Vet Res** 1987 Mar;48(3):372–4

MICROBIOLOGY

AIDS and maedi–visna: parallels and divergences. **Vet Rec** 1987 May 9;120(19):445

OCCURRENCE

Maedi–visna virus infection in commercial flocks of sheep in East Anglia. Pritchard GC, et al. **Vet Rec** 1987 Feb 28;120(9):208–9

TRANSMISSION

Experimental coinduction of type D retrovirus–associated pulmonary carcinoma and lentivirus–associated lymphoid interstitial pneumonia in lambs. DeMartini JC, et al. **JNCI** 1987 Jul;79(1):167–77

PNEUMONIA, STAPHYLOCOCCAL

DIAGNOSIS

[Characteristics of the clinical course of acute pneumonia in the presence of different microflora in the sputum] Gnilitskaia VB, et al. **Klin Med (Mosk)** 1987 May; 65(5):125–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Suppurative pneumonia, empyema and peritonitis] Chojnacka U, et al. **Wiad Lek** 1987 Apr 1;40(7):461–4 (Eng. Abstr.) **(Pol)**
[Status of pulmonary surfactant in suppurative lung diseases (experimento–clinical study)] Muromskii IuA, et al.
Khirurgiia (Mosk) 1987 Mar;(3):74–7 (Eng. Abstr.) **(Rus)**

METABOLISM

[Metabolic lung function with regard to kinins in staphylococcal lesions] Tolpegina TB, et al.
Patol Fiziol Eksp Ter 1987 Jan–Feb;(1):50–2 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Methicillin–resistant Staphylococcus aureus in a nursing home. Storch GA, et al. **Infect Control** 1987 Jan;8(1):24–9

PREVENTION & CONTROL

Inhibitory effect of a protease inhibitor, leupeptin, on the development of influenza pneumonia, mediated by concomitant bacteria. Tashiro M, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):2039–41

PNEUMONIA, VIRAL

Pneumonias in adults due to mycoplasma, chlamydiae, and viruses. Luby JP. **Am J Med Sci** 1987 Jul;294(1):45–64
Severe adenovirus pneumonia in an adult civilian. Noppen M, et al. **Eur J Respir Dis** 1986 Sep;69(3):188–91

COMPLICATIONS

[Severe bronchospasm disclosing a respiratory syncytial virus infection in a non–immunocompromised adult (letter)] Piperno D, et al. **Presse Med** 1987 May 16;16(18):911 **(Fre)**
[A case of acute pneumonia complicated by recurrent ventricular fibrillation] Razmanov VA, et al.
Klin Med (Mosk) 1986 Dec;64(12):106–7 **(Rus)**

DIAGNOSIS

The effectiveness of bronchoscopy in the diagnosis of Pneumocystis carinii and cytomegalovirus pulmonary infections in acquired immunodeficiency syndrome. Gal AA, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):238–41
Adenovirus pneumonia in healthy adults. Komshian SV, et al. **Heart Lung** 1987 Mar;16(2):146–50
Strategy in immunocompromised patients with pulmonary infiltrates [editorial] Cartier F. **Intensive Care Med** 1987; 13(2):87–8
Comparison of nasopharyngeal aspirate and nasopharyngeal swab specimens for respiratory syncytial virus diagnosis by cell culture, indirect immunofluorescence assay, and enzyme–linked immunosorbent assay. Ahluwalia G, et al. **J Clin Microbiol** 1987 May;25(5):763–7
Evaluation of three assays on alveolar lavage fluid in the diagnosis of cytomegalovirus pneumonitis after bone marrow transplantation. Cordonnier C, et al.
J Infect Dis 1987 Mar;155(3):495–500

DRUG THERAPY

Varicella pneumonia in adulthood: acyclovir therapy may be of benefit [letter] Lheureux PH, et al.
Ann Emerg Med 1987 Sep;16(9):1097
Acyclovir treatment of varicella pneumonia in pregnancy [letter] Hankins GD, et al. **Crit Care Med** 1987 Apr; 15(4):336–7
Treatment of cytomegalovirus pneumonitis with foscarnet (trisodium phosphonoformate) in patients with AIDS. Farthing C, et al. **J Med Virol** 1987 Jun;22(2):157–62
Acyclovir in the treatment of primary varicella pneumonia in non–immunocompromised adults [letter] Chitkara R, et al. **NY State J Med** 1987 Apr;87(4):237–8
[Injection of Angelica sinensis in treating infantile pneumonia and its experimental study in rabbits] Yan TY, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Mar;7(3):161–2, 133 (Eng. Abstr.) **(Chi)**
[Roxithromycin (RU 28965), a new macrolide effective against pulmonary infections] Lachat JM, et al.
Schweiz Med Wochenschr 1986 Dec 6;116(49):1739–41 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Fatal pneumonia in an adult due to respiratory syncytial virus. Levenson RM, et al. **Arch Intern Med** 1987 Apr; 147(4):791–2
More on influenza A and pneumonitis [letter] Murdock DK, et al. **IMJ** 1987 Jan;171(1):18
Infant pneumonitis associated with cytomegalovirus, Chlamydia, Pneumocystis, and Ureaplasma: follow–up. Brasfield DM, et al. **Pediatrics** 1987 Jan;79(1):76–83
Cytomegalovirus infection after renal transplantation. Pulmonary dysfunction measured by decreased diffusing capacity for carbon monoxide in patients with symptomatic and asymptomatic infection. van Son WJ, et al.
Transplantation 1987 Jul;44(1):149–50
[Radiological lung changes during an influenza epidemic in 2 schools for Army recruits] Kuhn M, et al.
Schweiz Rundsch Med Prax 1987 May 12;76(20):547–50 (Eng. Abstr.) **(Ger)**
[Etiological characteristics of bacterial and viral pneumonias in children and adults] Maskeev KM, et al.
Probl Tuberk 1987;(4):50–2 (Eng. Abstr.) **(Rus)**
[Pneumonias associated with cytomegalovirus in immunodepressed patients] Calicó I, et al.
Med Clin (Barc) 1986 Nov 22;87(17):710–3 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Analysis of viral antigens in giant cells of measles pneumonia by immunoperoxidase method. Sata T, et al.
Virchows Arch [A] 1986;410(2):133–8

MORTALITY

Influenza vaccine and pneumonia mortality in a nursing home population. Saah AJ, et al. **Arch Intern Med** 1986 Dec; 146(12):2353–7

OCCURRENCE

Respiratory syncytial virus infections in adults. Vikerfors T, et al. **Am Rev Respir Dis** 1987 Sep;136(3):561–4
Respiratory syncytial virus and acute lower respiratory infections in Benin City, Nigeria. Dym AM, et al.
Pediatr Infect Dis 1986 Nov–Dec;5(6):717–8

PATHOLOGY

Simultaneous cytomegalovirus and herpes simplex virus pneumonia. Weiss RL, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):242–5
Cytomegalovirus pneumonitis in patients with AIDS. Findings in an autopsy series. Wallace JM, et al. **Chest** 1987 Aug;92(2):198–203
A retrospective study of interstitial pneumonitis ('viral' pneumonia) as a cause of sudden and unexpected natural death. Yip DC, et al. **Med Sci Law** 1987 Apr;27(2):79–84
[Pathomorphologic study of viral pneumonia] Xiong ZQ.
Chung Hua I Hsueh Tsa Chih 1986 Apr;66(4):228–30, 256 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Atypical pneumonia. Turnidge J. **Aust Fam Physician** 1987 May;16(5):574, 579–80

RADIOGRAPHY

Viral vs. bacterial pulmonary infections—radiographic differentiation [letter] Leonidas JC. **Pediatr Radiol** 1987; 17(2):174–5

THERAPY

Efficacy of cytomegalovirus immunoglobulin in marrow transplant recipients with cytomegalovirus pneumonia. Reed EC, et al. **J Infect Dis** 1987 Oct;156(4):641–5
[Treatment of influenza and other acute respiratory diseases in a military unit] Likhopoenko VP. **Voen Med Zh** 1987 Feb;(2):61–3 **(Rus)**

VETERINARY

Avian influenza A virus causing an outbreak of contagious interstitial pneumonia in mink. Englund L, et al.
Acta Vet Scand 1986;27(4):497–504
A necrotizing pneumonia in lambs caused by pseudorabies virus (Aujesky's disease virus). Schmidt SP, et al.
Can J Vet Res 1987 Jan;51(1):145–9
In situ molecular hybridization for detection of Aleutian mink disease parvovirus DNA by using strand–specific probes: identification of target cells for viral replication in cell cultures and in mink kits with virus–induced interstitial pneumonia. Alexandersen S, et al. **J Virol** 1987 Aug; 61(8):2407–19
Pneumonia in Ottoman vipers (Vipera xanthena xanthena) associated with a parainfluenza 2–like virus. Potgieter LN, et al. **J Wildl Dis** 1987 Jul;23(3):355–60
Pulmonary lesions in lambs experimentally infected with ovine adenovirus 5 strain RTS–42. Cutlip RC, et al.
Vet Pathol 1986 Sep;23(5):589–93

PNEUMONITIS, INTERSTITIAL see **PULMONARY FIBROSIS**

PNEUMOPERICARDIUM

COMPLICATIONS

Cardiac tamponade resulting from pneumopericardium: case report and implications for the critical care nurse. Stechmiller J, et al. **Heart Lung** 1987 Jul;16(4):442–8

[Pneumopericardium resulting in cardiac tamponade. Description of an atypical case] Ottino GM, et al. **Minerva Cardioangiol** 1986 Oct;34(10):649–52 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Intrapericardial spontaneous contrast echoes in pneumopyopericardium due to a gas-forming organism. Hsu TL, et al. **Am J Cardiol** 1986 Nov 15;58(11):1143–4

ETIOLOGY

Hydropneumopericardium with tamponade as a late complication of surgical repair of hiatus hernia. de Bruyne B, et al. **Am Heart J** 1987 Aug;114(2):444–6

Low voltage in a trauma victim. Hancock EW. **Hosp Pract [Off]** 1987 Sep 15;22(9):57, 60

Pneumopericardium following blunt chest injury: report of three cases. Osinowo O, et al. **Injury** 1986 Mar;17(2):110–2

Hydropneumopericardium due to ruptured traumatic pseudocyst of pancreas (a case report). Hardikar JV, et al. **J Postgrad Med** 1986 Oct;32(4):241–2

Tension pneumopericardium following penetrating chest injury. Spotnitz AJ, et al. **J Trauma** 1987 Jul;27(7):806–8

Idiopathic pneumopericardium induced by forced coughing during coronary arteriography. Ishii K, et al. **Jpn Circ J** 1987 Feb;51(2):157–9

Pneumopericardium as a complication of balloon atrial septostomy. Crosson J, et al. **Pediatr Cardiol** 1987; 8(2):135–7

Spontaneous postpartum pneumomediastinum and pneumopericardium. Quigley RF, et al. **Scott Med J** 1987 Feb;32(1):27–8

[Spontaneous pneumopericardium: unusual complication of benign gastric ulcer (letter)] Etienne Y, et al. **Presse Med** 1987 Jun 6;16(21):1054 **(Fre)**

[Pneumopericardium complicating bronchial cancer] Letanche G, et al. **Rev Mal Respir** 1986;3(5):277–80 (Eng. Abstr.) **(Fre)**

[Idiopathic pneumopericardium caused by coughing during coronary angiography] Araki K, et al. **Kokyu To Junkan** 1987 Feb;35(2):223–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Pneumopericardium: a novel limitation for thoracic electrical bioimpedance? [letter] Lage SG, et al. **Crit Care Med** 1987 Sep;15(9):891–2

RADIOGRAPHY

Tension pneumopericardium: an unusual manifestation of invasive pulmonary aspergillosis. Müller NL, et al. **AJR** 1987 Apr;148(4):678–80

[Pneumopericardium in hyaline membrane syndrome in premature infants] Rücker J. **Padiatr Padol** 1987;22(1):51–8 (Eng. Abstr.) **(Ger)**

PNEUMOPERITONEUM

Carbon dioxide vs air in pneumoperitoneum [letter] Grenga TE. **Arch Surg** 1987 Jun;122(6):736

CHEMICALLY INDUCED

The effect of a carbon dioxide pneumoperitoneum on rabbit follicular oocytes and early embryonic development. Mastroyannis C, et al. **Fertil Steril** 1987 Jun;47(6):1025–30

Pneumatosis cystoides intestinalis with pneumoperitoneum in renal transplant patients on cyclosporine and prednisone. Ammons MA, et al. **Transplant Proc** 1986 Dec; 18(6):1868–70

ETIOLOGY

Induction of peritoneal fluid eosinophilia and/or monocytosis by intraperitoneal air injection. Daugirdas JT, et al. **Am J Nephrol** 1987;7(2):116–20

Tension pneumoperitoneum–pneumothorax during repair of congenital diaphragmatic hernia. Diaz JH. **Anesth Analg** 1987 Jun;66(6):577–80

Tension pneumoperitoneum: case report and review of the literature. Echave V, et al. **Can J Surg** 1975 Nov; 18(6):585–8

Bilateral pneumothoraces and pneumoperitoneum following esophageal intubation [letter] Bilotta JJ, et al. **Crit Care Med** 1987 Mar;15(3):281–3

Pneumoperitoneum following percutaneous endoscopic gastrostomy. A prospective study. Gottfried EB, et al. **Gastrointest Endosc** 1986 Dec;32(6):397–9

Persistent pneumoperitoneum after percutaneous endoscopic gastrostomy. Schnall HA, et al. **Gastrointest Endosc** 1987 Jun;33(3):248–50

Complications of endoscopic gastrostomy: pneumoperitoneum and volvulus of the colon. Ghahremani GG, et al. **Gastrointest Radiol** 1987;12(2):172–4

Pneumoperitoneum as a sign of pulmonary barotrauma during artificial ventilation [letter] du Plessis HJ, et al. **Intensive Care Med** 1987;13(3):213

[Pneumatosis cystoides intestinalis and pneumoperitoneum associated with gluten enteropathy] Verhamme M, et al. **Acta Clin Belg** 1987;42(1):48–52 (Eng. Abstr.) **(Dut)**

[Trans-parieto-hepatic drainage. A rare complication] Dell'Osso A, et al. **Minerva Chir** 1987 May 15;42(9):815–9 (Eng. Abstr.) **(Ita)**

[Diagnostic and symptomatic pneumoperitoneum] Omanik S. **Rozhl Chir** 1987 Jun;66(6):408–12 (Eng. Abstr.) **(Slo)**

[Cerebral metastasis, idiopathic pneumoperitoneum and obstructive jaundice as clinical manifestations of carcinoma of the pancreas] Ferreira Montero V, et al. **Rev Esp Oncol** 1983;30(3):399–409 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Pneumoperitoneum and pneumoscrotum caused by gastric perforation. Garcia C, et al. **Am J Perinatol** 1987 Jan; 4(1):75–7

Pneumoperitoneum. Kreel L. **Postgrad Med J** 1986 Jan; 62(723):31–2

SURGERY

Pneumoperitoneum in the newborn infant. Steves M, et al. **Am Surg** 1987 Apr;53(4):226–30

PNEUMOPERITONEUM, ARTIFICIAL

Nasogastric air insufflation in early diagnosis of perforated peptic ulcer. Upadhye AS, et al. **J Postgrad Med** 1986 Apr; 32(2):82–4

Direct laparoscopy without prior pneumoperitoneum. Saidi MH. **J Reprod Med** 1986 Aug;31(8):684–6

[Diagnostic and symptomatic pneumoperitoneum] Omanik S. **Rozhl Chir** 1987 Jun;66(6):408–12 (Eng. Abstr.) **(Slo)**

METHODS

Pneumoperitoneum. A neglected procedure for the repair of large abdominal hernias. Pingree JH, et al. **Arch Surg** 1968 Feb;96(2):252–3

PNEUMORADIOGRAPHY

[Computer pneumo-meatography. Its significance in the detection of small neurinomas of the statoacoustic nerve] Bauer J, et al. **Cas Lek Cesk** 1987 May 15;126(20):624–6 (Eng. Abstr.) **(Cze)**

[Sonographic measurement of the articular cartilage over the femoral condyles. A comparison with arthrography and computed tomographic pneumoarthrography] Helzel MV, et al. **ROFO** 1987 Jul;147(1):10–4 (Eng. Abstr.) **(Ger)**

[Pneumopelviography in the diagnosis of Stein-Leventhal syndrome and changes in cystic ovaries] Zych G. **Pol Tyg Lek** 1969 Dec 1;24(48):1843–5 (Eng. Abstr.) **(Pol)**

[Use of pneumopelvigraphy for the diagnosis of ovarian tumors] Shtein FM, et al. **Akush Ginekol (Mosk)** 1986 Nov; (11):34–5 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Efficacy of an intracassette filter for improved pneumocolon decubitus radiographs. Olson DL, et al. **AJR** 1987 Mar; 148(3):547–9

METHODS

[Pneumarthrocomputerized tomography in the diagnosis of recurrent and habitual shoulder dislocations] Resch H, et al. **Unfallchirurg** 1986 Oct;89(10):441–5 (Eng. Abstr.) **(Ger)**

PNEUMORETROPERITONEUM see **RETROPNEUMOPERITONEUM**

PNEUMOTHORAX

Spontaneous pneumothorax. Hagen RH, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):183–5

[Advances in spontaneous pneumothorax] Hu HC, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):50–2 (24 ref.) **(Chi)**

CHEMICALLY INDUCED

Respiratory complications in low-birth-weight infants who received phenobarbital. Kuban KC, et al. **Am J Dis Child** 1987 Sep;141(9):996–9

[Recurrent pneumothorax and cystic disease of the lung, in a case receiving steroid therapy for rheumatoid arthritis] Matsushima Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):547–52 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Mitral valve prolapse, spontaneous pneumothorax, and abnormal lung collagen [letter] Snell NJ. **Chest** 1987 May; 91(5):793–4

Spontaneous pneumothorax: an unusual occurrence in a patient with Ludwig's angina. Barsamian JG, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):161–8

Pneumopericardium as a complication of balloon atrial septostomy. Crosson J, et al. **Pediatr Cardiol** 1987; 8(2):135–7

[Unilateral pulmonary edema due to rapid re-expansion in pneumothorax] Parisi A, et al. **Minerva Med** 1986 Dec 22; 77(49–50):2327–9 (Eng. Abstr.) **(Ita)**

[Re-expansion pulmonary edema following drainage of pneumothorax] Sone Y, et al. **Kyobu Geka** 1986 Sep; 39(9):709–11 (Eng. Abstr.) **(Jpn)**

[Bilateral spontaneous pneumothorax in a bronchial asthma patient] Khoroshilo IIa, et al. **Vrach Delo** 1987 Jun;(6):47–8 **(Rus)**

CONGENITAL

[Pneumothorax in newborn infants] Okken A. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2073–5 **(Dut)**

DIAGNOSIS

Electrocardiographic changes in spontaneous left pneumothorax. Keller N, et al. **Acta Med Scand** 1987; 221(5):499–501

A new physical sign in pneumothorax [letter] Orriols R. **Ann Intern Med** 1987 Aug;107(2):255

Pneumothorax: evaluation by ultrasound—preliminary results. Wernecke K, et al. **J Thorac Imaging** 1987 Apr; 2(2):76–8

Sick stethoscope syndrome [letter] Orton D, et al. **JAMA** 1986 Nov 28;256(20):2817

[Spontaneous pneumothorax] Kreukniet J. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1300–1 **(Dut)**

[Recurrent menstruation-associated pneumothorax—catamenial pneumothorax] Knitza R, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):57–60 (Eng. Abstr.) **(Ger)**

[Thoracic diaphanoscopy—a simple method of diagnosing pneumothorax] Müller J, et al. **Radiol Diagn (Berl)** 1987; 28(1):23–8 (Eng. Abstr.) **(Ger)**

[Spontaneous pneumothorax in newborn infants] Odinak VM, et al. **Pediatriia** 1987;(4):39–42 **(Rus)**

[Modification of the puncture method of diagnosing pneumothorax in the forensic medical examination of a corpse] Guzheedov VN, et al. **Sud Med Ekspert** 1986 Oct-Dec;29(4):57–8 **(Rus)**

DRUG THERAPY

Thoracostomy tube pleurodysis by collagen instillation [letter] Atassi K, et al. **Intensive Care Med** 1986;12(4):335–6

Pleurodesis in spontaneous pneumothorax by means of tetracycline. Follow-up evaluation of a method. Krasnik M, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):181–2

[Pneumothorax and cystic fibrosis. Intrapleural instillation of Quinacrine in 2 cases of recurrent pneumothorax (letter)] Melon V, et al. **Arch Fr Pediatr** 1987 Feb;44(2):145–6 **(Fre)**

ETIOLOGY

A prospective analysis of 1,400 pulmonary artery catheterizations in patients undergoing cardiac surgery. Damen J, et al. **Acta Anaesthesiol Scand** 1986 Jul; 30(5):386–92

Nasogastric intubation: morbidity in an asymptomatic patient. Gough D, et al. **Am J Emerg Med** 1986 Nov;4(6):511–3

Postcoital catamenial pneumothorax. Report of a case not associated with endometriosis and successfully treated with tubal ligation. Müller NL, et al. **Am Rev Respir Dis** 1986 Oct;134(4):803–4

Tension pneumoperitoneum–pneumothorax during repair of congenital diaphragmatic hernia. Diaz JH. **Anesth Analg** 1987 Jun;66(6):577–80

Evidence for destruction of lung tissues during Pneumocystis carinii infection. Eng RH, et al. **Arch Intern Med** 1987 Apr; 147(4):746–9

Pneumothorax after electromyographic electrode insertion in the paracervical muscles: case report and radiographic analysis. Honet JE, et al. **Arch Phys Med Rehabil** 1986 Sep;67(9):601–3

Pneumothorax: a complication of needle electromyography of the supraspinatus muscle. Reinstein L, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):561–2

Pneumothorax and pulmonary embolism complicating post-traumatic hip surgery. Oxorn DC, et al. **Can J Anaesth** 1987 Mar;34(2):174–7

Spontaneous pneumothorax. A complication of lung cancer? [letter] Bouros D, et al. **Chest** 1986 Dec;90(6):926

P carinii and pneumothorax [letter] Felzenberg JD, et al. **Chest** 1987 Jun;91(6):934

Spontaneous bilateral pneumothorax due to metastatic cervical carcinoma [letter] Lane S, et al. **Chest** 1987 Jan; 91(1):151–2

Pleurodesis in metastatic pneumothorax. Rammohan G, et al. **Chest** 1986 Dec;90(6):918–9

Pneumocystis carinii pneumonia with spontaneous pneumothorax. A report of three cases. Sherman M, et al. **Chest** 1986 Oct;90(4):609–10

Pneumothorax complicating a closed fracture of the clavicle. A case report. Dugdale TW, et al. **Clin Orthop** 1987 Aug; (221):212–4

Tension pneumothorax complicating pulmonary hydatid disease in childhood. Stewart MP, et al. **Clin Pediatr (Phila)** 1987 Aug;26(8):422–4

Bilateral pneumothorax secondary to metastatic

angiosarcoma of the breast. Kader HA, et al. **Clin Radiol** 1987 Mar;38(2):201–2

Bilateral pneumothoraces and pneumoperitoneum following esophageal intubation [letter] Bilotta JJ, et al. **Crit Care Med** 1987 Mar;15(3):281–3

Subcutaneous emphysema and pneumothorax a rare complication in measles. Bose R, et al. **J Assoc Physicians India** 1986 Apr;34(4):291–2

A clinical and investigative study of spontaneous pneumothorax in adults. Paul BN, et al. **J Assoc Physicians India** 1987 Mar;35(3):209–11

Computed tomography of strangulated gastric hernia complicated by perforation and pneumothorax. Anderson EA Jr, et al. **J Natl Med Assoc** 1987 Jul;79(7):767–9

Catamenial pneumothorax: case report and literature review. Gray R, et al. **J Thorac Imaging** 1987 Apr;2(2):72–5 (55 ref.)

Delayed pneumothorax: a complication of subclavian vein catheterization [letter] Herrmann R, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar–Apr;11(2):215

Delayed pneumothorax: a complication of subclavian vein catheterization [letter] Lewis ES. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):542–3

Bilateral recurrent spontaneous pneumothoraces in sarcoidosis. Sharma SK, et al. **Jpn J Med** 1987 Feb; 26(1):69–71

Infectious interstitial emphysema in AIDS. Krueger JJ, et al. **NJ Med** 1987 Jul;84(7):489–91

Skin popping [letter] Patel RI, et al. **NJ Med** 1986 Dec; 83(12):844

Pneumomediastinum, pneumothorax, and subcutaneous emphysema after alternate cocaine inhalation and marijuana smoking. Luque MA 3d, et al. **Pediatr Emerg Care** 1987 Jun;3(2):107–9

Spontaneous bilateral pneumothorax in an infant with bronchiolitis. Pollack J. **Pediatr Emerg Care** 1987 Mar; 3(1):33–5

Idiopathic spontaneous pneumothorax and fitness for flying. Fuchs HS. **Riv Med Aeronaut Spaz** 1984 Oct–Dec; 51(4):43–60

Primary leiomyosarcoma of the lung presenting with a persistent pneumothorax. Capewell S, et al. **Thorax** 1986 Aug;41(8):649–50

Delayed pneumothorax after transbronchial lung biopsy. Levy H, et al. **Thorax** 1986 Aug;41(8):647–8

[Spontaneous pneumothorax associated with Marfan's syndrome (report of 3 cases with review of literature)] Yao TQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):30–1, 62 (Eng. Abstr.) (Chi)

[Catamenial pneumothorax] Hansen CL, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2162 (Eng. Abstr.) (Dan)

[Spontaneous bilateral total pneumothorax] Raundahl U, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2161 (Eng. Abstr.) (Dan)

[Pneumothorax after ventriculoperitoneal shunt procedure] Menguy E, et al. **Ann Fr Anesth Reanim** 1986;5(6):615–6 (Eng. Abstr.) (Fre)

[Suffocating peroperative pneumothorax] Vuillemin F, et al. **Cah Anesthesiol** 1986 Nov;34(7):611–2 (Fre)

[Bilateral pneumothorax complicating a convulsive crisis (letter)] Perrotin D, et al. **Presse Med** 1987 May 23; 16(19):964–5 (Fre)

[2 cases of menstrual pneumothorax] Breton JL, et al. **Rev Mal Respir** 1986;3(4):219–21 (Eng. Abstr.) (Fre)

[2 cases of pneumothorax following acupuncture] Guérin JM, et al. **Rev Med Interne** 1987 Jan–Feb;8(1):71 (Fre)

[Recurrent pneumothorax in asthma attacks] Houacine S, et al. **Rev Pneumol Clin** 1986;42(4):204–6 (Eng. Abstr.) (Fre)

[Contribution of iatrogenic pathology to all pleural diseases] Martínez-Berganza A, et al. **Rev Pneumol Clin** 1987; 43(3):151–5 (Eng. Abstr.) (Fre)

[Pulmonary metastasis of a hemangiopericytoma of the tongue disclosed by pneumothorax] Pechnick B, et al. **Rev Pneumol Clin** 1986;42(4):194–8 (Eng. Abstr.) (Fre)

[Iatrogenic pneumothorax following use of a nasogastric tube] Goeters C, et al. **Zentralbl Chir** 1987;112(7):447–50 (Ger)

[Iatrogenic pneumothorax and its forensic evaluation] Horntrich J, et al. **Zentralbl Chir** 1986;111(24):1531–5 (Eng. Abstr.) (Ger)

[A case of multiple pulmonary bronchogenic cysts accompanied with aspergillosis and secondary pyo-pneumothorax] Hayashi Y, et al. **Kyobu Geka** 1987 Jun;40(7):580–3 (Eng. Abstr.) (Jpn)

[A case of Paragonimus westermani infection with repeated spontaneous pneumothorax and cerebellar infarction—a review of the clinical feature in cases of paragonimiasis reported in Japan for the last 15 years] Suzuki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):119–24 (Eng. Abstr.) (Jpn)

[Pneumothorax in divers as a complication of pulmonary barotrauma with an atypical course] Krzyżak J. **Pol Tyg Lek** 1986 May 12;41(19):632–4 (Eng. Abstr.) (Pol)

[Spontaneous pneumothorax in the light of current views] Pawlowicz A. **Pol Tyg Lek** 1986 Aug 25;41(34):1085–7 (29 ref.) (Pol)

[Pulmonary nodular amyloidosis and pneumothorax (letter)] Verea Hernando HR, et al. **Med Clin (Barc)** 1986 Nov 29; 87(18):781 (Spa)

FAMILIAL & GENETIC

Concurrent spontaneous pneumothorax in identical twins. Rashid A, et al. **Thorax** 1986 Dec;41(12):971

Familial spontaneous pneumothorax. Sugiyama Y, et al. **Thorax** 1986 Dec;41(12):969–70

[Familial primary diffuse interstitial pulmonary fibrosis with bullous emphysema (letter)] Ostinelli J, et al. **Presse Med** 1986 Jul 5–12;15(27):1285–6 (Fre)

OCCURRENCE

Spontaneous pneumothorax in the USAF aircrew population: a retrospective study. Voge VM, et al. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):939–49

Contralateral pneumothoraces in the newborn: incidence and predisposing factors. Ryan CA, et al. **Pediatrics** 1987 Mar; 79(3):417–21

PATHOLOGY

[Spontaneous pneumothorax in a man with rheumatoid arthritis (clinical conference)] **Medicina (B Aires)** 1985; 45(5):569–74 (Spa)

PHYSIOPATHOLOGY

Cardiovascular and respiratory consequences of tension pneumothorax. Hurewitz AN, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):545–9

Pulmonary function and alpha–1–antitrypsin levels in patients after so–called idiopathic spontaneous pneumothorax. Pawlowicz A, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):1–4

Decreased gas flow through pneumothoraces in neonates receiving high–frequency jet versus conventional ventilation. Gonzalez F, et al. **J Pediatr** 1987 Mar; 110(3):464–6

[Model for demonstrating the mechanisms of lung respiratory movements and pneumothorax] Agarkov FT, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):109–11 (Eng. Abstr.) (Rus)

[Complex evaluation of the reaction of the cardiovascular system to spontaneous pneumothorax] Myshkin KI, et al. **Grudn Khir** 1987 May–Jun;(3):55–7 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Significant delayed pneumothoraces [letter] Fox ER, et al. **AJR** 1986 Nov;147(5):1090

Factitious pneumothorax [letter] [published erratum appears in Am J Emerg Med 1987 Sep;5(5):399] Powers RD. **Am J Emerg Med** 1987 Jan;5(1):90–1

The supine pneumothorax. Cooke DA, et al. **Ann R Coll Surg Engl** 1987 May;69(3):130–4

The value of computed tomography in postoperative pneumothorax following open–heart surgery. Esposito RA, et al. **Ann Thorac Surg** 1986 Dec;42(6):699–701

Occult hydatid disease presenting as a spontaneous pneumothorax. Hadley MD. **Br J Radiol** 1985 Aug; 58(692):770–2

Occult central pneumothorax. Nashef SA, et al. **Br J Radiol** 1985 Aug;58(692):772–4

Migratory pseudopneumothorax [letter] Bohrer SP. **JAMA** 1987 Jun 5;257(21):2917

Pseudopneumothorax: a migratory mirage [letter] Falcone RE. **JAMA** 1987 Feb 13;257(6):780–1

Oxygen reservoir rebreathing mask simulating pneumothorax. Shapiro MP, et al. **Radiology** 1987 Sep; 164(3):743–4

RADIONUCLIDE IMAGING

[Perfusional pulmonary scintigraphy using 99mTc–MISA in newborn infants] Silvestro L, et al. **Minerva Pediatr** 1987 Jun 30;39(11–12):515–20 (Eng. Abstr.) (Ita)

SURGERY

Transaxillary thoracotomy for treatment of spontaneous pneumothorax. Caes F, et al. **Acta Chir Belg** 1987 May–Jun; 87(3):137–41

The efficacy and timing of operative intervention for spontaneous pneumothorax. Granke K, et al. **Ann Thorac Surg** 1986 Nov;42(5):540–2

Catheter aspiration for simple pneumothorax. Talbot–Stern J, et al. **J Emerg Med** 1986;4(6):437–42

Axillary intercostal drain in traumatic haemopneumothorax. Melissas J, et al. **S Afr Med J** 1986 Nov 8;70(10):588–9

[Surgical treatment of 10 cases of primary spontaneous pneumothorax and hemopneumothorax] Chen SX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):32–4, 62–3 (Eng. Abstr.) (Chi)

[Spontaneous recurrent pneumothorax in young patients. Treatment by bilateral one stage apical pleurectomy by axillary approach] Gamondès JP, et al. **Presse Med** 1987 Mar 14;16(9):423–6 (Eng. Abstr.) (Fre)

[Thoracic epidural analgesia (TEA) with morphine as an alternative to the administration of general anesthesia in thoracotomized patients] Vara–Thorbeck R, et al. **Zentralbl Chir** 1987;112(3):170–4 (Eng. Abstr.) (Ger)

[Our experience in the treatment of persistent spontaneous pneumothorax] Ratto GB, et al. **Minerva Chir** 1987 Mar 31;42(6):483–8 (Eng. Abstr.) (Ita)

[Treatment of pneumothorax—with special reference to using the Heimlich valve at the outpatient department] Nakamura H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1253–7 (Eng. Abstr.) (Jpn)

[Temporary endobronchial occlusion] Borisov VV, et al. **Grudn Khir** 1986 Jul–Aug;(4):49–52 (Eng. Abstr.) (Rus)

[Surgical treatment of acute pyopneumothorax] Dotsenko AP, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):98–101 (Rus)

[Early surgical treatment of patients with caseous pneumonia complicated by acute pyopneumothorax] Repin IuM. **Probl Tuberk** 1987;(6):47–50 (Eng. Abstr.) (Rus)

[Low–frequency ultrasound in the treatment of acute and chronic suppurative diseases of the lungs and pleura in children] Sergeev VM, et al. **Vestn Khir** 1986 Aug; 137(8):75–80 (Eng. Abstr.) (Rus)

THERAPY

Transthoracic needle aspiration: use of a small chest tube to treat pneumothorax. Perlmutt LM, et al. **AJR** 1987 May; 148(5):849–51

When and how do you use a Heimlich flutter valve? Connor PA. **Am J Nurs** 1987 Mar;87(3):288–90

Calculation of pneumothorax size [letter] MacKenzie G. **Ann Emerg Med** 1986 Nov;15(11):1377

Talc poudrage in the treatment of spontaneous pneumothoraces in patients with cystic fibrosis. Tribble CG, et al. **Ann Surg** 1986 Dec;204(6):677–80

Bilateral talc pleurodesis in metastatic pneumothorax [letter] Bourke S, et al. **Chest** 1987 Sep;92(3):576

Systematic approach to pneumothorax, haemothorax, pneumomediastinum and subcutaneous emphysema. Mattox KL, et al. **Injury** 1986 Sep;17(5):309–12

Hemodynamic effects of rapidly evacuating prolonged pneumothorax in rabbits. Pavlin DJ, et al. **J Appl Physiol** 1987 Feb;62(2):477–84

Fatal re–expansion pulmonary oedema. Narendran K. **Singapore Med J** 1986 Aug;27(4):350–2

[Incidence of recurrence following conservative treatment, drainage or surgery of primary spontaneous pneumothorax] Høgdall CK, et al. **Ugeskr Laeger** 1986 Aug 18; 148(34):2148–9 (Eng. Abstr.) (Dan)

[Pneumothorax treated with simple aspiration] Nielsen HK, et al. **Ugeskr Laeger** 1987 Apr 6;149(15):976–8 (Eng. Abstr.) (Dan)

[Treatment of spontaneous pneumothorax from the pulmonary internal medicine viewpoint] Bärsch J, et al. **Z Erkr Atmungsorgane** 1987;168(2):149–56 (Eng. Abstr.) (Ger)

[Acute edema of the lung, non–cardiogenic, after re–expansion (letter)] Jatene FB, et al. **Rev Paul Med** 1986 Nov–Dec;104(6):327–8 (Por)

[Results of different methods of pyopneumothorax treatment] Putov NV, et al. **Grudn Khir** 1987 Jul–Aug;(4):37–41 (Eng. Abstr.) (Rus)

[A restoration bandage for one–half of the chest wall] Cherviakov IV. **Vestn Khir** 1986 Nov;137(11):78–9 (Rus)

VETERINARY

High–frequency jet ventilation during pneumothorax in dogs. Bjorling DE, et al. **Am J Vet Res** 1986 Sep;47(9):1984–7

Pneumothorax. Kramek BA, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Mar; 17(2):285–300 (41 ref.)

Anaesthesia of guinea pigs and reversing pneumothorax [letter] **Vet Rec** 1987 Mar 28;120(13):309–10

Method for reversing pneumothorax [letter] Rose IR. **Vet Rec** 1987 Jan 31;120(5):119

PNEUMOTHORAX, ARTIFICIAL

Effects of intrapleural pressure on phrenic nerve activity. Lee BP, et al. **Chin J Physiol** 1986;29(2):79–90

[Very late complications of extrapleural pneumothorax as a result of external fistulation (on acrylic balls after 18 years) or internal fistulation (on oleothorax after 32 and 48 years, respectively)] Jost A. **Rev Med Suisse Romande** 1986 Jul;106(7):605–17 (Fre)

ADVERSE EFFECTS

Late results of plombage [letter] **Thorax** 1986 Jun;41(6):494–5

Tuberculous empyema—a case history extending over 30 years. Reeve PA, et al. **Tubercle** 1986 Jun;67(2):147–50

VETERINARY

Method for reversing pneumothorax [letter] Abercromby R. **Vet Rec** 1987 Mar 7;120(10):239

PODANGIUM see **MYXOBACTERALES**

PODIATRY

see related
FOOT DISEASES

Elective foot surgery: relative roles of doctors of podiatric medicine and orthopedic surgeons. Weiner JP, et al. **Am J Public Health** 1987 Aug;77(8):987–92

Occupational medicine. **Clin Podiatr Med Surg** 1987 Jul; 4(3):523–766

Industrial hygiene protection for the podiatric physician. Cohen BS. **Clin Podiatr Med Surg** 1987 Jul;4(3):605–18

You see what you look for and recognize what you know.

Harkless LB, et al. **Clin Podiatr Med Surg** 1987 Apr; 4(2):331–9
Basic science research. Davis RH.
J Am Podiatr Med Assoc 1987 Aug;77(8):389–90
Computerizing with confidence. Tips for the uninitiated. Gill GS. **J Am Podiatr Med Assoc** 1987 Aug;77(8):467–8
Observations on clinical research in podiatric medicine. Patterson RB. **J Am Podiatr Med Assoc** 1987 Aug; 77(8):390–1

EDUCATION

History of podiatric medical education. An update. Gibley CW Jr. **J Am Podiatr Med Assoc** 1987 Aug;77(8):404–18
Postgraduate education. Kanat IO.
J Am Podiatr Med Assoc 1987 Aug;77(8):392
The neglect of footwear education of podiatry students and practitioners. Rossi WA. **J Am Podiatr Med Assoc** 1987 Jul;77(7):357–62

HISTORY

Historical perspectives. The Pedic Items (Official Organ of Chiropody) August 1912. **J Am Podiatr Med Assoc** 1987 May;77(5):252–67
"The Pedic Items. Official Organ of Chiropody." 1912. **J Am Podiatr Med Assoc** 1987 Jul;77(7):363–73
"The Pedic Items. Official Organ of Chiropody." 1912. **J Am Podiatr Med Assoc** 1987 Jun;77(6):312–22
Celebrating 75 years of APMA 1912–1987.
J Am Podiatr Med Assoc 1987 Aug;77(8):385–470
The evolution of a specialty. A study of podiatric surgery. Levrio J. **J Am Podiatr Med Assoc** 1987 Aug;77(8):419–27
[Comments on foot diseases and podiatrists in the Age of Enlightenment] Klimpel V. **Beitr Orthop Traumatol** 1987 Mar;34(3):113–6 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[A device for computerized podography] Miteleva ZM, et al. **Ortop Travmatol Protez** 1986 Oct;(10):60–1 **(Rus)**

METHODS

[The ingrown nail (letter)] De Heus M, et al.
Ned Tijdschr Geneeskd 1987 Jan 10;131(2):72–3 **(Dut)**

TRENDS

Podopediatrics. The past, present, and future challenge. Ganley JV. **J Am Podiatr Med Assoc** 1987 Aug;77(8):393–4
Podiatric medical literature. Progress, pitfalls, and prognostications. Harris JC. **J Am Podiatr Med Assoc** 1987 Aug;77(8):387–8
Podogeriatrics. Helfand AE. **J Am Podiatr Med Assoc** 1987 Aug;77(8):401–2
Older and wiser? Klombers N. **J Am Podiatr Med Assoc** 1987 Aug;77(8):386–7
Podiatric medicine and public health. Levy LA.
J Am Podiatr Med Assoc 1987 Aug;77(8):403
Podiatric surgery. A maturing specialty. McGlamry ED.
J Am Podiatr Med Assoc 1987 Aug;77(8):399
Podiatric sports medicine. Schuster RO.
J Am Podiatr Med Assoc 1987 Aug;77(8):397–8
A new era for podiatric biomechanics. Valmassy RL.
J Am Podiatr Med Assoc 1987 Aug;77(8):400

PODOPHYLLIN

ADMINISTRATION & DOSAGE

Self-application of podophyllin resin for penile condylomata acuminata. Lim KB, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):167–9

ANALOGS & DERIVATIVES

Purification and characterization of a new peptide-mannan, SP-1, as a gastric secretion-inhibitory principle from autolysate of brewer's yeast. Mimura T, et al.
Chem Pharm Bull (Tokyo) 1986 Aug;34(8):3312–9
Structure-activity relationships of podophyllin congeners that inhibit topoisomerase II. Long BH. **NCI Monogr** 1987; (4):123–7

PHARMACODYNAMICS

Structure-activity relationships of podophyllin congeners that inhibit topoisomerase II. Long BH. **NCI Monogr** 1987; (4):123–7

THERAPEUTIC USE

Comparison of podophyllotoxin and podophyllin in treatment of genital warts [letter] Lassus A. **Lancet** 1987 Aug 29; 2(8557):512–3
[Comparative studies between 0.5 percent podophyllotoxin preparations (Condyline) and 20 percent podophyllin dissolved in alcohol, in the therapy of raised condylomas] Mazurkiewicz W, et al. **Z Hautkr** 1986 Oct 1; 61(19):1387–95 (Eng. Abstr.) **(Ger)**

PODOPHYLLOTOXIN

ADMINISTRATION & DOSAGE

A randomized study comparing platinum, doxorubicin, and VP-16 with platinum, 4'-epidoxorubicin, and VP-16 in patients with non-small-cell lung cancer. Rosell R, et al. **Am J Clin Oncol** 1987 Jun;10(3):245–8

ANALOGS & DERIVATIVES

In vitro antitumor activity of teniposide against carcinoma of the lung in human tumor clonogenic assay. Matsushima Y, et al. **Anticancer Res** 1986 Sep–Oct;6(5):921–4
Uptake and binding of teniposide (VM26) in Krebs II ascites cells. Hamza M, et al. **Biochem Pharmacol** 1987 May 15; 36(10):1599–603
Membrane ordering effects of the anticancer agent VM-26. Wright SE, et al. **Biochim Biophys Acta** 1986 Dec 16; 863(2):297–304
Vidarabin-monophosphate, BCNU, VM26--an in vitro comparative study of active agents in the treatment of malignant human brain tumours. Bogdahn U, et al.
Br J Cancer 1987 Feb;55(2):153–8
Expressions of resistance and cross-resistance in teniposide-resistant L1210 cells. Roberts D, et al.
Cancer Chemother Pharmacol 1987;19(2):123–30
The effect of the two epipodophyllotoxin derivatives etoposide (VP-16) and teniposide (VM-26) on cell lines established from patients with small cell carcinoma of the lung. Roed H, et al. **Cancer Chemother Pharmacol** 1987; 19(1):16–20
Atypical multiple drug resistance in a human leukemic cell line selected for resistance to teniposide (VM-26). Danks MK, et al. **Cancer Res** 1987 Mar 1;47(5):1297–301
Teniposide in the treatment of non-small cell lung carcinoma. Giaccone G, et al. **Cancer Treat Rep** 1987 Jan;71(1):83–5
Pharmacokinetics of high-dose teniposide. Holthuis JJ, et al. **Cancer Treat Rep** 1987 Jun;71(6):599–603
Total-body irradiation and high-dose teniposide: a pilot study in bone marrow transplantation for patients with relapsed acute lymphoblastic leukemia. Krance RA, et al.
Cancer Treat Rep 1987 Jun;71(6):645–7
Teniposide in epithelial ovarian carcinoma: a phase II trial of the Gynecologic Oncology Group. Muss H, et al.
Cancer Treat Rep 1986 Oct;70(10):1231–2
Teniposide in squamous cell carcinoma of the cervix: a phase II trial of the Gynecologic Oncology Group. Muss HB, et al. **Cancer Treat Rep** 1987 Sep;71(9):873–4
Studies on lignan lactone antitumor agents. II. Synthesis of N-alkylamino- and 2,6-dideoxy-2-aminoglycoside lignan variants related to podophyllotoxin. Saito H, et al.
Chem Pharm Bull (Tokyo) 1986 Sep;34(9):3741–6
Studies on lignan lactone antitumor agents. I. Synthesis of aminoglycosidic lignan variants related to podophyllotoxin. Saito H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3733–40
The clinical pharmacology of etoposide and teniposide. Clark PI, et al. **Clin Pharmacokinet** 1987 Apr;12(4):223–52 (165 ref.)
Pharmacokinetics and efficacy of i.v. and i.p. VM26 chemotherapy in mice bearing Krebs II ascitic tumors. Canal P, et al. **Eur J Cancer Clin Oncol** 1986 Jul; 22(7):765–71
Hypersensitivity reactions to teniposide in children [letter] Carstensen H, et al. **J Clin Oncol** 1987 Sep;5(9):1491–2
Clinical pharmacodynamics of continuous infusion teniposide: systemic exposure as a determinant of response in a phase I trial. Rodman JH, et al. **J Clin Oncol** 1987 Jul;5(7):1007–14
Formation of beta-peltatin-A methyl ether and coniferin by root cultures of Linum flavum. Berlin J, et al.
J Nat Prod 1986 May–Jun;49(3):435–9
Successful induction with chemotherapy including teniposide in familial erythrophagocytic lymphohistiocytosis [letter] Henter JI, et al. **Lancet** 1986 Dec 13;2(8520):1402
Mutagenicity and clastogenicity of teniposide (VM-26) in L5178Y/TK +/- -3.7.2C mouse lymphoma cells. DeMarini DM, et al. **Mutat Res** 1987 Mar;187(3):141–9
Protein-linked DNA strand breaks produced by etoposide and teniposide in mouse L1210 and human VA-13 and HT-29 cell lines: relationship to cytotoxicity. Kerrigan D, et al. **NCI Monogr** 1987;(4):117–21
Involvement of intracellular ATP in cytotoxicity of topoisomerase II-targetting antitumor drugs. Kupfer G, et al. **NCI Monogr** 1987;(4):37–40
Treatment strategies in relation to drug action. Muggia FM, et al. **NCI Monogr** 1987;(4):129–33
Elevated topoisomerase II activity and altered chromatin in nitrogen mustard-resistant human cells. Tan KB, et al.
NCI Monogr 1987;(4):95–8
Effects of VM26 (teniposide), a specific inhibitor of type II DNA topoisomerase, on SV40 DNA replication in vivo. Richter A, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3455–68
Combination chemotherapy of hepatocellular cancer. Comparison of adriamycin + VM 26 + 5-fluorouracil with mAMSA + VM 26 + 5-fluorouracil. Bezwoda WR, et al. **Oncology** 1987;44(4):207–9
Teniposide (VM-26) and cytosine arabinoside as consolidation therapy in adult high-risk patients with acute lymphoblastic leukemia. Hoelzer D, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):92–7
Teniposide (VM-26) and ara-C in the treatment of adult acute lymphoblastic leukemia. Linker CA, et al.
Semin Oncol 1987 Jun;14(2 Suppl 1):78–85
The role of histamine in doxorubicin and teniposide-induced cardiotoxicity in dog and mouse. Gebbia N, et al.
Tumori 1987 Jun 30;73(3):279–87
[Mutagenicity tests of etoposide and teniposide] Nakanomyo H, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:301–10 (Eng. Abstr.) **(Jpn)**
[Familial erythrocyto-phagocytic lymphohistiocytosis--successful treatment of 4 children] Elinder G, et al. **Lakartidningen** 1987 Feb 11;84(7):459–61 (Eng. Abstr.) **(Swe)**

ANALYSIS

Thermal chemistry of podophyllotoxin in ethanol and a comparison of the cytostatic activity of the thermolysis products. Buchardt O, et al. **J Pharm Sci** 1986 Nov; 75(11):1076–80

METABOLISM

Morpholino derivatives of benzyl-benzodioxole, a study of structural requirements for drug interactions at the colchicine/podophyllotoxin binding site of tubulin. Batra JK, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4013–8
Analysis of drug-tubulin interaction by trypsin cleavage: comparison for colchicine, podophyllotoxin, griseofulvin, vinblastine and taxol. Wandosell F, et al.
Comp Biochem Physiol [B] 1986;85(3):635–8
A fluorescence stopped flow study of the competition and displacement kinetics of podophyllotoxin and the colchicine analog
2-methoxy-5-(2',3',4'-trimethoxyphenyl) tropone on tubulin. Engelborghs Y, et al. **J Biol Chem** 1987 Apr 15; 262(11):5204–9

PHARMACODYNAMICS

The interaction between nuclear topoisomerase II activity from human leukemia cells, exogenous DNA, and 4'-(9-acridinylamino)methanesulfon-m-anisidide (m-AMSA) or
4-(4,6-O-ethylidene-beta-D-glucopyranoside) (VP-16) indicates the sensitivity of the cells to the drugs. Estey EH, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):787–93
The biological activities of podophyllotoxin compounds. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3928–32
Purified podophyllotoxin (CPH-86) inhibits lymphocyte proliferation but augments macrophage proliferation. Zheng QY, et al. **Int J Immunopharmacol** 1987;9(5):539–49
DNA topoisomerase II: a primer on the enzyme and its unique role as a multidrug target in cancer chemotherapy. Glisson BS, et al. **Pharmacol Ther** 1987;32(2):89–106 (102 ref.)

THERAPEUTIC USE

Comparative effects of vinca alkaloids (VCR, VDS) and epipodophyllotoxin (VP16) on murine myeloblastic leukaemia. Yamashita Y, et al. **Br J Cancer** 1987 May; 55(5):517–9
Comparison of podophyllotoxin and podophyllin in treatment of genital warts [letter] Lassus A. **Lancet** 1987 Aug 29; 2(8557):512–3
[Comparative studies between 0.5 percent podophyllotoxin preparations (Condyline) and 20 percent podophyllin dissolved in alcohol, in the therapy of raised condylomas] Mazurkiewicz W, et al. **Z Hautkr** 1986 Oct 1; 61(19):1387–95 (Eng. Abstr.) **(Ger)**

PODOPHYLLUM see under **PLANTS, TOXIC**

POECILIA see under **CYPRINODONTIFORMES**

POETRY

"Lord of the Mirrors" and demon lover.Kavaler S.
Am J Psychoanal 1986 Winter;46(4):336–44
Classical quotes for critical care. Presidential address. Wilson RF. **Crit Care Med** 1987 Feb;15(2):165–70
RNA world [letter] Ganem B. **Nature** 1987 Aug 20–26; 328(6132):676
Keats's oral imagination: "'Tis not through envy". Fitzpatrick-Hanly MA. **Psychoanal Q** 1986 Oct; 55(4):618–39
Nursery rhymes. A developmental perspective. DeSantis VP.
Psychoanal Study Child 1986;41:601–26
The fusion of pressing situation and releasing writing: on adolescent suicide poetry. Sharlin SA, et al.
Suicide Life Threat Behav 1986 Fall;16(3):343–55
[Surgery attributable to Abu l-Qasim in Wolfram von Eschenbach's 'Parzifal'] Haage BD. **Clio Med** 1984; 19(3–4):193–205 (Eng. Abstr.) **(Ger)**
[Compensatory structures in Rilke's poetry] Dettmering P. **Psyche (Stuttg)** 1987 Jun;41(6):539–55 (Eng. Abstr.) **(Ger)**
[Lying and flying poets--lyric poetry and corporeality] von Matt P. **Schweiz Rundsch Med Prax** 1986 Aug 26; 75(35):1023–5 (Eng. Abstr.) **(Ger)**
[Barba Jacob and the history of marihuana] Rosselli H. **Acta Psiquiatr Psicol Am Lat** 1986 Dec;32(4):259–70 (Eng. Abstr.) **(Spa)**

HISTORY

Arthur Rimbaud: the poet as an adolescent. Halperin DA.

Adolesc Psychiatry 1987;14:63–81

Self-portrayal by a depressed poet: a contribution to the clinical biography of William Cowper. Meyer JE, et al. **Am J Psychiatry** 1987 Feb;144(2):127–32

Closely observed pains. Klein J. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1611–3

The health of Elizabeth Barrett and Robert Browning. Dally P. **J R Coll Physicians Lond** 1987 Apr;21(2):153–8

Life imitates art. Andriole GL Jr, et al. **Pa Med** 1987 May; 90(5):66, 68

[Jan Evangelista Purkyně and Karel Havlíček Borovský] Bartušek V. **Cas Lek Cesk** 1986 Aug 22;125(34):1075–6 **(Cze)**

[15 physicians as writers] Balk–Smit Duyzentkunst F. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1743–68 **(Dut)**

[Jan Pieter Heije: physician and popular poet] Dunning AJ. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1730–2 **(Dut)**

[Casting off names (Gerrit Achterberg)] Oomen HA. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2363–6 **(Dut)**

[Poetry-writing physicians from England and America in the 16th–19th century] Robertson EA. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1770–3 **(Dut)**

[Emetic formula of the young Schiller] Goehl K, et al. **Sudhoffs Arch** 1986;70(2):238–9 **(Ger)**

[The value of the natural sciences and medicine in German poetry of the Middle Ages] Haage BD. **Sudhoffs Arch** 1986; 70(2):206–20 (Eng. Abstr.) **(Ger)**

[Ars medica Anhaltina (V): Physicians and scientists of the Anhalt territories in Goethe's circle of friends] Kaiser W, et al. **Z Gesamte Inn Med** 1986 Nov 15;41(22):627–34 (Eng. Abstr.) **(Ger)**

[The wounding and death of Pushkin (clinical analysis)] Breido IS. **Klin Khir** 1987;(1):73–5 **(Rus)**

POIKILODERMA CONGENITALE see under **SKIN DISEASES**

POISON CONTROL CENTERS

Patterns of calling time and ipecac availability among poison center callers. Amitai Y, et al. **Am J Dis Child** 1987 Jun; 141(6):622–5

1986 annual report of the American Association of Poison Control Centers National Data Collection System. Litovitz TL, et al. **Am J Emerg Med** 1987 Sep;5(5):405–45

Occupationally related illness reported to a regional poison control center. Blanc PD, et al. **Am J Public Health** 1986 Nov;76(11):1303–7

Directing intervention from afar: the telephone dynamics of managing acute poisonings. Broadhead RS. **J Health Soc Behav** 1986 Dec;27(4):303–16

Standardization of poison control center telephone listings with 911 implementation. Ekins BR. **Vet Hum Toxicol** 1986 Dec;28(6):567–9

The role of the poison center in veterinary poisonings: a survey. Hornfeldt CS. **Vet Hum Toxicol** 1987 Feb; 29(1):68–72

Poison center rotation for health science students. Jordan JK, et al. **Vet Hum Toxicol** 1987 Apr;29(2):174–5

A program of poison center services to business and industry. Krenzelok EP, et al. **Vet Hum Toxicol** 1987 Apr; 29(2):172–3

Poison center value: an assessment by the professionals who use it. Scalise J, et al. **Vet Hum Toxicol** 1987 Apr; 29(2):165–9

[Overdoses of flunitrazepam and various other benzodiazepines; experiences of the National Poisoning Information Center] Langendijk PN, et al. **Ned Tijdschr Geneeskd** 1986 Nov 8;130(45):2032–6 (Eng. Abstr.) **(Dut)**

[World Federation of Associations of Clinical Toxicology Centers and Poison Control Centers. Information bulletin No. 33] **J Toxicol Clin Exp** 1985 Jan–Feb;5(1):55–67 **(Fre)**

ECONOMICS

An alternative to the poison control system in Saskatchewan. Buzik SC, et al. **Vet Hum Toxicol** 1987 Apr;29(2):157–9

LEGISLATION & JURISPRUDENCE

New York State Regional Poison Control Centers Injury Control Network legislation. Fisher L. **Vet Hum Toxicol** 1986 Dec;28(6):545–6

MANPOWER

Regional poison center staff workloads in the United States. Trestrail JH 3d. **Vet Hum Toxicol** 1987 Jun;29(3):264

ORGANIZATION & ADMINISTRATION

Performance management: an essential program for poison centers. Dean BS, et al. **Vet Hum Toxicol** 1987 Apr; 29(2):169–71

STANDARDS

Measuring poison center service quality. Bobbink S, et al. **Vet Hum Toxicol** 1986 Dec;28(6):576

TRENDS

State agencies' awareness of poison control centers. A report from the American Association of Poison Control Centers' Legislative and Governmental Affairs Committee, 1985–1986. **Vet Hum Toxicol** 1987 Jun;29(3):245–6

UTILIZATION

A survey of pet owners utilizing a poison center. Hornfeldt CS, et al. **Vet Hum Toxicol** 1987 Apr;29(2):149–51

POISON IVY see **RHUS**

POISON IVY DERMATITIS

The poison ivy picker of Pennypack Park: the continuing saga of poison ivy. Epstein WL. **J Invest Dermatol** 1987 Mar;88(3 Suppl):7s–11s (62 ref.)

THERAPY

Oral hyposensitization to poison ivy and poison oak. Marks JG Jr, et al. **Arch Dermatol** 1987 Apr;123(4):476–8

POISONING

see related

ANTIDOTES

Abstracts of the 1987 UAEM/IRIEM (University Association for Emergency Medicine/International Research Institute for Emergency Medicine) Research Symposium on Toxicology. Clearwater Beach, Florida, February 22–24, 1987. **Ann Emerg Med** 1987 Jan; 16(1):122–32

Overdose toxicity studies versus threshold: elements of biology must be incorporated into risk assessment. Hildebrandt AG. **Arch Toxicol** 1987;60(1–3):217–23 (37 ref.)

Deliberate self-poisoning. Farmer R. **Br J Hosp Med** 1986 Dec;36(6):437, 440–2

Emergency department management of the intoxicated adolescent. Felter R, et al. **Pediatr Clin North Am** 1987 Apr;34(2):399–421

Proceedings of the III World Congress of the World Federation of Associations of Clinical Toxicology and Poison Control Centres and XII International Congress of the European Association of Poison Control Centres. Brussels, Belgium—27–30 August 1986. **Vet Hum Toxicol** 1987;29 Suppl 2:1–153

[Time of exposure in modeling poisoning in toxicological and hygiene studies] Sheftel' VO. **Gig Sanit** 1986 Aug; (8):70–3 (7 ref.) **(Rus)**

[What is researched in Spain on childhood accidents and poisonings? A descriptive study of the last 11 years] Abad Pérez I, et al. **An Esp Pediatr** 1987 Apr;26(4):255–7 (Eng. Abstr.) **(Spa)**

BLOOD

Blood alcohol survey in patients with self-poisoning [letter] Varadaraj R, et al. **Br J Psychiatry** 1986 May;148:615

[Anomalous forms of plasma activated chemiluminescence curves in different forms of pathology] Bezrukavnikova LM. **Lab Delo** 1987;(7):556–7 **(Rus)**

COMPLICATIONS

Methanol intoxication in multiple trauma. Saxena K, et al. **Am J Emerg Med** 1987 Jan;5(1):60–3

Endpoints of reproductive dysfunction in an experimental epidemiological model: self-poisoned pregnant women. Czeizel A. **Dev Toxicol Environ Sci** 1986;12:49–61

Pharmacotoxic myocardial disease: an endomyocardial study. Billingham ME. **Heart Vessels** 1985;Suppl 1:278–82

Poisoning by chemical non-medicinal products in Brazil: clinical and laboratory findings in 132 patients. Agapejev S, et al. **Hum Toxicol** 1986 Dec;5(6):369–72

[Rhabdomyolysis and damage to peripheral nerves due to drug intoxication] Reshef A, et al. **Harefuah** 1986 Nov 2; 111(9):224–6 (Eng. Abstr.) **(Heb)**

[Pancreatic lesions in acute poisonings] Filin VI, et al. **Klin Khir** 1986;(11):27–30 (Eng. Abstr.) **(Rus)**

[Nephropathy in acute drug poisoning] Pishchulina VG, et al. **Pediatriia** 1986 Sep;(9):64–7 (63 ref.) **(Rus)**

DIAGNOSIS

Drug screening: evaluation of the Toxi-Lab TLC system. Jarvie DR, et al. **Ann Clin Biochem** 1986 Jan;23 (Pt 1):76–84

An evaluation of the Toxichromotest, a bacterial toxicity bioassay, and an assessment of its potential use in human poisoning. Lympany P, et al. **Arch Toxicol [Suppl]** 1987; 11:329–33

Clinical diagnosis of poisoning. Senanayake N. **Ceylon Med J** 1986 Jun;31(2):73–5

Assessment of a scheme for prioritizing inorganic toxicants by using signs-and-symptoms analysis. Ashley DL, et al. **J Toxicol Clin Toxicol** 1986;24(5):375–87

Physical assessment and differential diagnosis of the poisoned patient. Olson KR, et al. **Med Toxicol** 1987 Jan–Feb; 2(1):52–81 (294 ref.)

Method for the assessment of diagnosis in human toxicology. Evreux JC, et al. **Regul Toxicol Pharmacol** 1987 Jun; 7(2):169–78

[Importance of the emergency toxicology service] Kosatík A, et al. **Bratisl Lek Listy** 1987 Apr;87(4):417–22 (Eng. Abstr.) **(Cze)**

[Present state of clinical toxicology] Wennig R. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):129–32 **(Fre)**

[Hair analysis: possibilities in medical diagnosis and as an indicator of environmental pollution] Orfanos CE, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:163–9 **(Ger)**

[Current diagnosis and therapy of the commonest poisonings in the aged] Schulz J. **ZFA** 1986 Sep–Oct;41(5):307–12 **(Ger)**

[Toxicological examination from the medico-legal aspects] Nagata T. **Nippon Hoigaku Zasshi** 1986 Oct;40(5):455–64 (Eng. Abstr.) **(Jpn)**

[Usefulness of naloxone in the differential diagnosis of toxic and post-traumatic coma] Pach J, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):863–6 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Repetitive doses of activated charcoal in the treatment of poisoning. Jones J, et al. **Am J Emerg Med** 1987 Jul; 5(4):305–11 (59 ref.)

Sorbitol—a safe and effective cathartic [letter] Krenzelok E. **Ann Emerg Med** 1987 Jun;16(6):729–30

Syrup of ipecacuanha: is it really useful? [letter] **Br Med J** 1987 Jan 24;294(6566):247

Syrup of ipecacuanha: is it really useful? [editorial] Vale JA, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1321–2

Antidotes. Perera CS. **Ceylon Med J** 1986 Jun;31(2):79–82

Antidotal therapy: pharmacokinetic aspects. Vale JA, et al. **Dev Toxicol Environ Sci** 1986;12:329–38 (38 ref.)

Factors influencing the clinical efficacy of activated charcoal. Watson WA. **Drug Intell Clin Pharm** 1987 Feb;21(2):160–6 (53 ref.)

Repeated oral activated charcoal in acute poisoning [editorial] [published erratum appears in Lancet 1987 May 16;1(8542):1160] **Lancet** 1987 May 2;1(8540):1013–5

The role of acetylcysteine in clinical toxicology. Flanagan RJ. **Med Toxicol** 1987 Mar–Apr;2(2):93–104

Cathartics and laxatives. Do they still have a place in management of the poisoned patient? Shannon M, et al. **Med Toxicol** 1986 Jul–Aug;1(4):247–52 (54 ref.)

Phenelzine toxicity responsive to dantrolene. Verrilli MR, et al. **Neurology** 1987 May;37(5):865–7

Activated charcoal in management of poisoning. A revitalized antidote. Donovan JW. **Postgrad Med** 1987 Jul; 82(1):52–9

Activated charcoal—past, present and future. Derlet RW, et al. **West J Med** 1986 Oct;145(4):493–6 (34 ref.)

New roles for activated charcoal [editorial] Spector R, et al. **West J Med** 1986 Oct;145(4):511–2

[Therapy of the anticholinergic syndrome in poisonings] Lazarus P. **Z Gesamte Inn Med** 1987 Apr 1;42(7):187–90 (Eng. Abstr.) **(Ger)**

[Efficiency and safety of ipecac syrup in the treatment of acute poisoning] Nogué S, et al. **Med Clin (Barc)** 1987 May 23;88(20):795–7 (Eng. Abstr.) **(Spa)**

ETHNOLOGY

Changing ethnic and social characteristics of patients admitted for self-poisoning in West London during 1971/2 and 1983/4. Lockhart SP, et al. **J R Soc Med** 1987 Mar; 80(3):145–8

ETIOLOGY

Association between liberalization of Scotland's liquor licensing laws and admissions for self poisoning [letter] Lawson A, et al. **Br Med J** 1987 Feb 7;294(6568):371–2

Accidental poisoning in childhood: a multicentre survey. I. General epidemiology. Wiseman HM, et al. **Hum Toxicol** 1987 Jul;6(4):293–301

Acute poisoning in Vietnamese children [letter] Dăng Phuong Kiêt. **J Trop Pediatr** 1986 Dec;32(6):319

Holiday hazards. Baker MD. **Pediatr Emerg Care** 1985 Dec; 1(4):210–4

Poisoning from samples. Sterndal B, et al. **Vet Hum Toxicol** 1986 Dec;28(6):578–9

[Voluntary poisoning in children in a 16-year case load] Tarateta A, et al. **Minerva Pediatr** 1986 Sep 30; 38(17–18):717–25 (Eng. Abstr.) **(Ita)**

HISTORY

Poisons and poisoning: implication of physicians with man and nations. Bloch H. **J Natl Med Assoc** 1987 Jul; 79(7):761–4

METABOLISM

Experimental and clinical studies on corneal grafts from donors dying of drug overdose: a review. Basu PK. **Cornea** 1984–85;3(4):262–7

MORTALITY

[Deaths after previous deliberate self-poisoning. 11-year material from Silkeborg General Hospital] Larsen UT, et al. **Ugeskr Laeger** 1987 Jun 22;149(26):1761–3 (Eng. Abstr.) **(Dan)**

[Deaths due to poisoning in the county of Vejle 1980–1985] Misfeldt J, et al. **Ugeskr Laeger** 1986 Sep 15;148(38):2433–7

(Eng. Abstr.) (Dan)
[Analysis of patients with acute exogenous poisoning at an intensive care unit] Thiele R, et al.
Z Gesamte Inn Med 1987 Feb 1;42(3):67–70 (Eng. Abstr.) (Ger)
[Mortality caused by accidents, violence and poisoning in the Federal District, 1970–1982] Hijar Medina MC, et al. **Salud Publica Mex** 1986 Jul–Aug;28(4):413–37 (Eng. Abstr.) (Spa)

OCCURRENCE

Effect of regulatory withdrawal of drugs and prescription recommendations on the pattern of self–poisonings in Oslo. Ekeberg O, et al. **Acta Med Scand** 1987;221(5):483–7
1986 annual report of the American Association of Poison Control Centers National Data Collection System. Litovitz TL, et al. **Am J Emerg Med** 1987 Sep;5(5):405–45
Child abuse and pediatric social illness: an epidemiological analysis and ecological reformulation. Newberger EH, et al. **Am J Orthopsychiatry** 1986 Oct;56(4):589–601
Ethnic differences in self–poisoning: a comparison of Asian and white groups. Merrill J, et al. **Br J Psychiatry** 1986 Jun;148:708–12
Association between liberalization of Scotland's liquor licensing laws and admissions for self poisoning [letter] **Br Med J [Clin Res]** 1987 Jan 10;294(6564):116–7
Association between liberalization of Scotland's liquor licensing laws and admissions for self poisoning in West Fife. Northridge DB, et al. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1466–8
Acute poisoning in Sri Lanka: an overview. Senanayake N, et al. **Ceylon Med J** 1986 Jun;31(2):61–71
Epidemiological aspects of childhood poisonings in Ankara: a 10–year survey. Hincal F, et al. **Hum Toxicol** 1987 Mar; 6(2):147–52
Childhood poisoning in Wales: experience of the Welsh National Poisons Unit (1984). Hsu R, et al.
Hum Toxicol 1986 Dec;5(6):373–6
Self poisoning in children: a ten year survey. Hincal F, et al. **J Toxicol Clin Toxicol** 1987;25(1–2):109–20
Accidental poisoning in Minnesota. Mortality data. Olson DK. **Minn Med** 1986 Oct;69(10):586–90
Unintentional ingestions of prescription drugs in children under five years old [published erratum appears in MMWR 1987 Mar 20;36(10):155] **MMWR** 1987 Mar 13;36(9):124–6, 131–2
Circadian and circannual rhythms of emergency room drug–overdose admissions. Morris RW.
Prog Clin Biol Res 1987;227B:451–7
Poison queries received during 1985 by the Regional Drug and Poison Information Centre, Durban. Hobson HE.
S Afr Med J 1987 May 16;71(10):655–6
Poisoning: incidence and knowledge in Saskatchewan. Buzik SC, et al. **Vet Hum Toxicol** 1986 Oct;28(5):421–3
[Deliberate self poisoning. 12–year material form Silkeborg General Hospital] Christiansen P, et al. **Ugeskr Laeger** 1987 Jun 22;149(26):1757–61 (Eng. Abstr.) (Dan)
[Acute poisoning in adults] Møller JT, et al.
Ugeskr Laeger 1987 Apr 6;149(15):1020–4 (Eng. Abstr.) (Dan)
[Results of 10 years' documented poison information] Weilemann LS, et al. **Med Klin** 1986 Apr 1;81(7):229–34 (Eng. Abstr.) (Ger)
[Characteristics of poisonings in a pediatric intensive care unit] Aspillaga–Errázuriz M, et al.
Bol Med Hosp Infant Mex 1987 Jun;44(6):322–6 (Eng. Abstr.) (Spa)
[Acute poisoning in Valladolid. Epidemiological study of cases seen at the Clinical Hospital from 1978 to 1984] García–Pando A, et al. **Med Clin (Barc)** 1987 Jan 31; 88(4):135–9 (Eng. Abstr.) (Spa)
[Poisonings: a retrospective study at the González University Hospital 1980–1984] Garza Ocañas L, et al.
Rev Invest Clin 1986 Oct–Dec;38(4):407–9 (Eng. Abstr.) (Spa)

PATHOLOGY

[Rare forms of criminal administration of poisons. I] Dünckelmeyer E. **Arch Kriminol** 1986 Jul–Aug; 178(1–2):35–43 (Ger)

PHYSIOPATHOLOGY

Changes in cardiorespiratory function during gastric lavage for drug overdose. Thompson AM, et al. **Hum Toxicol** 1987 May;6(3):215–8
Fatal poisoning and membrane stabilising activity [letter] Henry JA, et al. **Lancet** 1986 Oct 18;2(8512):919

PREVENTION & CONTROL

Improvements in child resistant containers [Letter] Sibert JR, et al. **Arch Dis Child** 1987 Apr;62(4):432–3
Prevention is better than cure: do child–resistant containers have a protective role? [editorial] Turner P.
Hum Toxicol 1987 Jul;6(4):265
Accidental poisoning in childhood: a multicentre survey. 2. The role of packaging in accidents involving medications. Wiseman HM, et al. **Hum Toxicol** 1987 Jul;6(4):303–14
Prevention of childhood poisoning: efficacy of an educational program carried out in an emergency clinic. Woolf A, et al. **Pediatrics** 1987 Sep;80(3):359–63
Neonatal poisoning: causes, manifestations, prevention, and management. Elhassani SB. **South Med J** 1986 Dec; 79(12):1535–43 (100 ref.)
A pictorial portrayal of poisoning possibilities: a public awareness approach. Winter JP, et al. **Vet Hum Toxicol** 1986 Dec;28(6):572–3
[A method of health education work with regard to the prevention of poisoning by harmful industrial liquids] Ian'shin LA, et al. **Voen Med Zh** 1987 May;(5):57–8 (Rus)

PSYCHOLOGY

Hostility and deliberate self–poisoning. Farmer R, et al.
Br J Med Psychol 1986 Dec;59 (Pt 4):311–6
Differences in reasons for taking overdoses in high and low hopelessness groups. Williams JM. **Br J Med Psychol** 1986 Sep;59 (Pt 3):269–77
The aftermath of Angie's overdose: is soap (opera) damaging to your health? Platt S. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):954–7
Motives and intent: a comparison of views of overdose patients and their key relatives/friends. Varadaraj R, et al. **Can J Psychiatry** 1986 Oct;31(7):621–4
Attitudes of health care professionals towards patients who take overdoses. Ghodse AH, et al. **Int J Soc Psychiatry** 1986 Winter;32(4):58–63
Evaluation of out–patient counselling compared with general practitioner care following overdoses. Hawton K, et al. **Psychol Med** 1987 Aug;17(3):751–61
Interpersonal problem–solving deficits in self–poisoning patients. McLeavey BC, et al.
Suicide Life Threat Behav 1987 Spring;17(1):33–49

SURGERY

[Surgical methods of treating acute endo– and exotoxicoses] Stoianova M, et al. **Khirurgiia (Sofiia)** 1986;39(6):57–63 (30 ref.) (Bul)

THERAPY

Correlation of initial amitriptyline concentration reduction with activated charcoal therapy in overdose patients. Hedges JR, et al. **Am J Emerg Med** 1987 Jan;5(1):48–51
A comparison of blind nasotracheal and succinylcholine–assisted intubation in the poisoned patient. Dronen SC, et al. **Ann Emerg Med** 1987 Jun;16(6):650–2
A clinical trial using syrup of ipecac and activated charcoal concurrently. Freedman GE, et al. **Ann Emerg Med** 1987 Feb;16(2):164–6
Efficacy of ipecac–induced emesis, orogastric lavage, and activated charcoal for acute drug overdose. Tenenbein M, et al. **Ann Emerg Med** 1987 Aug;16(8):838–41
Extracorporeal removal of drugs and poisons by hemodialysis and hemoperfusion. Cutler RE, et al.
Annu Rev Pharmacol Toxicol 1987;27:169–91
Predicting the clinical course in intentional drug overdose. Implications for use of the intensive care unit. Brett AS, et al. **Arch Intern Med** 1987 Jan;147(1):133–7
Whole bowel irrigation as a decontamination procedure after acute drug overdose. Tenenbein M, et al.
Arch Intern Med 1987 May;147(5):905–7
Drug–specific Fab therapy in drug overdose. Hursting MJ, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):693–7
Management of poisoning in general practice. Aloysius DJ. **Ceylon Med J** 1986 Jun;31(2):111–5
General management of acute poisoning. Ariyananda PL. **Ceylon Med J** 1986 Jun;31(2):77–8
Special techniques for elimination of poisons—diuresis, dialysis and adsorption. Sheriff MH. **Ceylon Med J** 1986 Jun;31(2):83–7
Pharmacokinetic evaluation of forced diuresis, dialysis, and hemoperfusion. Heath A. **Dev Toxicol Environ Sci** 1986; 12:339–45 (17 ref.)
A review of the pharmacokinetics and efficacy of emesis, gastric lavage and single and repeated doses of charcoal in overdose patients. Pond SM.
Dev Toxicol Environ Sci 1986;12:315–28 (70 ref.)
Resin hemoperfusion for drug intoxication—an update. Raja RM. **Int J Artif Organs** 1986 Sep;9(5):319–22
The new black magic: activated charcoal and new therapeutic uses. Katona BG, et al. **J Emerg Med** 1987; 5(1):9–18 (107 ref.)
Tricyclic antidepressant overdose [clinical conference] Driggers DA, et al. **J Fam Pract** 1987 Sep;25(3):231–4, 6
Directing intervention from afar: the telephone dynamics of managing acute poisonings. Broadhead RS.
J Health Soc Behav 1986 Dec;27(4):303–16
Role of the toxicology laboratory in the treatment of acute poisoning. Hepler BR, et al. **Med Toxicol** 1986 Jan–Feb; 1(1):61–75 (66 ref.)
Role of the intensive care unit in the management of the poisoned patient. Kulling P, et al. **Med Toxicol** 1986 Sep–Oct;1(5):375–86 (40 ref.)
Immunotherapy in the poisoned patient. Overview of present applications and future trends. Sullivan JB Jr.
Med Toxicol 1986 Jan–Feb;1(1):47–60 (52 ref.)
Gastric emptying. Risk versus benefit in the treatment of acute poisoning. Wheeler–Usher DH, et al.
Med Toxicol 1986 Mar–Apr;1(2):142–53
Initial management of adolescent overdoses. Sacchetti AD, et al. **Pediatr Emerg Care** 1987 Mar;3(1):5–9
Ipecac–induced emesis and reduction of plasma concentrations of drugs following accidental overdose in children. Amitai Y, et al. **Pediatrics** 1987 Sep;80(3):364–7
Pediatric poisonings and Seattle's ER's. McIntire S, et al. **Vet Hum Toxicol** 1986 Dec;28(6):577
Hospitalization for pediatric poisoning?: an efficient process. Robertson WO. **Vet Hum Toxicol** 1986 Dec;28(6):565–6
Effect of hyperoxia on liver necrosis induced by hepatotoxins. Marzella L, et al. **Virchows Arch [B]** 1986; 51(6):497–507
[Therapeutic use of hemoperfusion in internal medicine] Horký J, et al. **Cas Lek Cesk** 1987 Feb 20;126(8):225–31 (Eng. Abstr.) (Cze)
[Intentional drug poisoning from the epidemiological, emergency medical and therapeutic viewpoints] Redlich M, et al. **Schweiz Rundsch Med Prax** 1986 Nov 18; 75(47):1412–5 (Eng. Abstr.) (Ger)
[Blood purification procedures in acute exogenous poisonings] Lachhein L, et al. **Z Gesamte Inn Med** 1987 Apr 1;42(7):190–2 (Eng. Abstr.) (Ger)
[Behavior of the physician in toxicologic emergencies] D'Antuono G. **G Clin Med** 1986 Apr;67(2):73–83 (Ita)
[Ultraviolet irradiation of the blood in acute exogenous poisoning to prevent and treat pneumonia] Gol'dfarb IuS, et al. **Klin Med (Mosk)** 1987 Mar;65(3):49–52 (Eng. Abstr.) (Rus)
[Use of hemodialysis in acute poisoning] Nogué S, et al.
Med Clin (Barc) 1986 Nov 8;87(15):626–9 (Eng. Abstr.) (Spa)

URINE

Drug screening and the Toxi–Lab TLC system [letter] Pledger DR, et al. **Ann Clin Biochem** 1986 Jul;23 (Pt 4):496

VETERINARY

The Nebraska Veterinary Medical Association antidote depot. Schneider NR. **J Am Vet Med Assoc** 1987 Mar 15; 190(6):797–9
Central nervous system intoxications other than lead. Stowe CM. **Vet Clin North Am [Food Anim Pract]** 1987 Mar; 3(1):149–58
A survey of pet owners utilizing a poison center. Hornfeldt CS, et al. **Vet Hum Toxicol** 1987 Apr;29(2):149–51
The role of the poison center in veterinary poisonings: a survey. Hornfeldt CS. **Vet Hum Toxicol** 1987 Feb; 29(1):68–72

POISONS

see related
TOXICOLOGY

ADMINISTRATION & DOSAGE

[Rare forms of criminal administration of poisons. I] Dünckelmeyer E. **Arch Kriminol** 1986 Jul–Aug; 178(1–2):35–43 (Ger)
[Rare forms of criminal administration of poisons. II] Dünckelmeyer E. **Arch Kriminol** 1986 Sep–Oct; 178(3–4):95–102 (Ger)

ANALYSIS

A laboratory for handling chemical toxicants safely. Myers GL, et al. **Am Ind Hyg Assoc J** 1987 Jun;48(6):524–7
[Toxicological examination from the medico–legal aspects] Nagata T. **Nippon Hoigaku Zasshi** 1986 Oct;40(5):455–64 (Eng. Abstr.) (Jpn)
[Hygienic evaluation of toxic substances adsorbed onto household dust] Dmitriev MT, et al. **Gig Sanit** 1987 Mar; (3):21–6 (Eng. Abstr.) (Rus)
[Research on gas tests in the infrared spectrum in poisoning expertise] Andreevskaia SI. **Sud Med Ekspert** 1987 Apr–Jun;30(2):33–4 (Eng. Abstr.) (Rus)
[Analytical and forensic medical assessment of poisons in forensic chemistry research on biological matter] Krylova AN. **Sud Med Ekspert** 1987 Jan–Mar;30(1):41–3 (Eng. Abstr.) (Rus)

HISTORY

Poisons and poisoning: implication of physicians with man and nations. Bloch H. **J Natl Med Assoc** 1987 Jul; 79(7):761–4

PHARMACODYNAMICS

[Geometrical method for assessing the interaction of the antidote and the poison in a model experiment] Prozorovskiĭ VB. **Farmakol Toksikol** 1987 May–Jun; 50(3):110–2 (Eng. Abstr.) (Rus)

TOXICITY

A dose–response model incorporating nonlinear kinetics. Van Ryzin J, et al. **Biometrics** 1987 Mar;43(1):95–105

POISSON DISTRIBUTION see **PROBABILITY**

POKEWEED LECTINS see **POKEWEED MITOGENS**

POKEWEED MITOGENS

PHARMACODYNAMICS

Endothelial cell enhancement of PWM induced immunoglobulin synthesis by peripheral blood mononuclear cells. King MA, et al. **Clin Exp Immunol** 1986 Sep;65(3):589–97

Effects of concanavalin A, phytohemagglutinin, pokeweed mitogen, and lipopolysaccharide on the replication and immunoglobulin synthesis by canine peripheral blood lymphocytes in vitro. Letwin BW, et al. **Immunol Lett** 1987 Jan;14(2):79–85

Pokeweed mitogen activated suppressor T-cells preferentially reduce immunoglobulin secretion by differentiated B-lymphocytes. Pryjma J, et al. **Immunol Lett** 1986 Oct 15;13(5):273–9

Effect of tamoxifen on pokeweed mitogen stimulated immunoglobulin secretion in vitro. Baral E, et al. **J Clin Lab Immunol** 1986 Nov;21(3):137–9

Regulation of B cell maturation and differentiation. I. Suppression of pokeweed mitogen-induced B cell differentiation by tumor necrosis factor (TNF). Kashiwa H, et al. **J Immunol** 1987 Mar 1;138(5):1383–90

The role of interleukin 2 in inducing Ig production in a pokeweed mitogen-stimulated mononuclear cell system. Nakagawa N, et al. **J Immunol** 1987 Feb 1;138(3):795–801

Lymphocyte activation by phytohaemagglutinin and pokeweed mitogen. Identification of proliferating cells by monoclonal antibodies. Serke S, et al. **J Immunol Methods** 1987 May 20;99(2):167–72

Role of adherent mononuclear cells derived from adult pigs and suckling piglets in response to pokeweed mitogen-induced immunoglobulin production. Hagiwara S, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):279–89

[Polyclonal stimulation activates the basal level of IgM and IgG plaque-forming cells against sheep erythrocytes without inducing a change from IgM to IgG] Bolós C, et al. **Allergol Immunopathol (Madr)** 1986 Jul–Aug; 14(4):269–75 (Eng. Abstr.) **(Spa)**

POL I see **DNA POLYMERASE I**

POL II see **DNA POLYMERASE II**

POLAND SYNDROME see under **SYNDACTYLIA**

POLAR RECOMBINATION see **GENE CONVERSION**

POLAR REGIONS see **COLD CLIMATE**

POLARCARDIOGRAPHY see under **VECTORCARDIOGRAPHY**

POLARITY OF TRANSLATION see under **TRANSLATION, GENETIC**

POLAROGRAPHY

Dynamic nuclear polarisation of biological matter. Stuhrmann HB, et al. **Eur Biophys J** 1986;14(1):1–6

INSTRUMENTATION

[Polarographic cell for the microanalysis of biological substances] Dediurin AM, et al. **Med Tekh** 1986 Sep–Oct; (5):35–8 (Eng. Abstr.) **(Rus)**

POLARON see **GENE CONVERSION**

POLICY MAKING

see related
HEALTH POLICY
PUBLIC POLICY

The analysis of hazards and the hazards of analysis: reflections on air traffic safety management. Kanafani A. **Accid Anal Prev** 1986 Oct;18(5):403–16

Comment on position statements [editorial] Service FJ, et al. **Diabetes Care** 1987 May–Jun;10(3):374–5

The Donald P. Kent memorial lecture. Strategic planning: the catastrophic approach. Brody SJ. **Gerontologist** 1987 Apr;27(2):131–8

Tomorrow's able elders: implications for the state. Hudson RB. **Gerontologist** 1987 Aug;27(4):405–9

Law, medicine, and the terminally ill: humanizing the approach to risk management. Kapp MB. **Health Care Manage Rev** 1987 Spring;12(2):37–42

Pew Memorial Trust policy synthesis: 2. Postretirement health benefits. Dopkeen JC. **Health Serv Res** 1987 Feb; 21(6):795–848

Physicians' decisions to limit Medicaid participation: determinants and policy implications. Perloff JD, et al. **J Health Polit Policy Law** 1987 Summer;12(2):221–35

Formulating a restraint use policy. Morrison J, et al. **J Nurs Adm** 1987 Mar;17(3):39–42

Power and powerlessness in hospital nursing departments. Prescott PA, et al. **J Prof Nurs** 1985 Nov–Dec;1(6):348–55

Professional nursing personnel: data-based policy formulation. Reichelt PA, et al. **J Prof Nurs** 1985 May–Jun; 1(3):164–71

Models of governance in multihospital systems. Implications for hospital and system-level decision-making. Morlock LL, et al. **Med Care** 1986 Dec;24(12):1118–35

Stock-taking concerning international activities in the field of biotechnology. A basis for research policy decisions. Binder N. **Naturwissenschaften** 1987 Jun;74(6):264–6

Community practice: nursing influence on policy formulation. Courtney R. **Nurs Outlook** 1987 Jul–Aug; 35(4):170–3

Shaping nursing's preferred future. McBride AB. **Nurs Outlook** 1987 May–Jun;35(3):124–5

Judi Buckalew: learning to play political hardball [interview by Linda J. Pearson] Buckalew J. **Nurse Pract** 1987 Jan; 12(1):48–56

[Health promotion on the federal level. Goals, structures and main effort of the section for the prevention of the Federal Department for Public Health] Ryser H. **Soz Praventivmed** 1986;31(4–5):207–12 (Eng. Abstr.) **(Ger)**

POLIOMYELITIS

Research and clinical aspects of the late effects of poliomyelitis. Second research symposium. Warm Springs, Georgia, September 5–7, 1986. Proceedings. **Birth Defects** 1987;23(4):1–363

COMPLICATIONS

Late effects of poliomyelitis. Cosgrove JL, et al. **Arch Phys Med Rehabil** 1987 Jan;68(1):4–7

Self-regulation treatment of post-polio cold limb. Dietvorst TF, et al. **Biofeedback Self Regul** 1986 Jun;11(2):157–61

Late effects of poliomyelitis on muscular function and morphology: a preliminary report. Abom B, et al. **Birth Defects** 1987;23(4):223–7

Exercise testing as a useful tool in the physiatric management of the post-polio survivor. Alba A, et al. **Birth Defects** 1987;23(4):301–14

Glossopharyngeal breathing and noninvasive aids in the management of post-polio respiratory insufficiency. Bach JR, et al. **Birth Defects** 1987;23(4):99–113

Clinical subtypes, DNA repair efficiency, and therapeutic trials in the post-polio syndromes. Bradley WG, et al. **Birth Defects** 1987;23(4):343–60 (82 ref.)

The importance of symptom pattern in evaluating post-polio neuromuscular changes. Brooke M, et al. **Birth Defects** 1987;23(4):49–53

Post-polio syndrome and amyotrophic lateral sclerosis: a relationship more apparent than real. Brown S, et al. **Birth Defects** 1987;23(4):83–98

Dysphagia in post-polio patients. Buchholz D. **Birth Defects** 1987;23(4):55–62

Post-poliomyelitis syndrome: evidence of ongoing denervation in symptomatic and asymptomatic patients. Cashman NR, et al. **Birth Defects** 1987;23(4):237–9

New neuromuscular symptoms after old polio ("the post-polio syndrome"): clinical studies and pathogenetic mechanisms. Dalakas MC. **Birth Defects** 1987;23(4):241–64

Amyotrophic lateral sclerosis and post-polio: differences and similarities. Dalakas MC. **Birth Defects** 1987;23(4):63–81

Strengthening exercise program in post-polio subjects. Einarsson G, et al. **Birth Defects** 1987;23(4):275–83

The use of nonfatiguing strengthening exercises in post-polio syndrome. Feldman RM, et al. **Birth Defects** 1987; 23(4):335–41

Sleep-disordered breathing as a late effect of poliomyelitis. Fischer DA. **Birth Defects** 1987;23(4):115–20

Investigations of neuromuscular performance in post-polio patients: a practical approach. Gow PJ, et al. **Birth Defects** 1987;23(4):293–300 (21 ref.)

Muscle morphology with special reference to muscle strength in post-polio subjects. Grimby G, et al. **Birth Defects** 1987; 23(4):265–74

Post-polio syndrome: clinical experience with 132 consecutive outpatients. Halstead LS, et al. **Birth Defects** 1987;23(4):13–26

The impact of life support technology upon psychosocial adaptation to the late effects of poliomyelitis. Locker D, et al. **Birth Defects** 1987;23(4):157–71

Three novel electrophysiologic tests for patients with muscle weakness. McComas AJ, et al. **Birth Defects** 1987; 23(4):201–12

The post-viral syndrome and polio study: long-term effects of viral disease. Monro JA, et al. **Birth Defects** 1987; 23(4):183–7

Preliminary observations on long-term muscle force changes in the post-polio syndrome. Munsat TL, et al. **Birth Defects** 1987;23(4):329–34

Post-polio muscle function. Perry J, et al. **Birth Defects** 1987; 23(4):315–28

Pathology of spinal cord in post-poliomyelitis muscular atrophy. Pezeshkpour GH, et al. **Birth Defects** 1987; 23(4):229–36

The environmental aspects of the post-polio syndrome. Rea WJ, et al. **Birth Defects** 1987;23(4):173–81

Pain in post-poliomyelitis—addressing causes versus treating effects. Smith LK, et al. **Birth Defects** 1987;23(4):121–34

Occurrence of post-polio sequelae in an epidemic population. Speier JL, et al. **Birth Defects** 1987;23(4):39–48

Late sequelae of paralytic poliomyelitis in Olmsted County, Minnesota. Windebank AJ, et al. **Birth Defects** 1987; 23(4):27–38

Mouth intermittent positive pressure ventilation in the management of postpolio respiratory insufficiency. Bach JR, et al. **Chest** 1987 Jun;91(6):859–64

Muscle transfer for paralysis of gluteus muscles after poliomyelitis. Jiang LB, et al. **Chin Med J [Engl]** 1986 Feb; 99(2):87–90

Late sequelae of poliomyelitis [editorial] **Lancet** 1986 Nov 22;2(8517):1195–6

Vocal cord paralysis in postpoliomyelitis syndrome. Cannon S, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):981–3

Post-polio syndrome. Alsentzer U. **NC Med J** 1986 Sep; 47(9):399–400

Late effects of polio: a shared concern. McGaughey R. **Rehabil Lit** 1986 Nov–Dec;47(11–12):295–7

Facial asymmetry and unstable occlusion due to poliomyelitis. Report of a case. Dahlström L, et al. **Swed Dent J** 1986;10(5):171–4

[Radiologic observation of epiphyseal traction-prolongation. A report of 10 cases] Geng XH. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct;20(5):300–1 (Eng. Abstr.) **(Chi)**

[Translocation of muscles in the treatment of paralysed gluteal muscles following poliomyelitis] Qin SH, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):67–9, 124 (Eng. Abstr.) **(Chi)**

[Esthetic correction of lower leg asymmetries, calf augmentation-plasty] Szalay L. **Z Orthop** 1987 Jan–Feb; 125(1):73–6 (Eng. Abstr.) **(Ger)**

[Late degeneration of spinal motor neurons in patients with previous poliomyelitis] Bacigalupo F, et al. **Riv Neurol** 1986 May–Jun;56(3):168–73 (Eng. Abstr.) **(Ita)**

[Surgical treatment of patients with unstable hip joints as a sequela of poliomyelitis] Krasnov AF, et al. **Ortop Travmatol Protez** 1986 Nov;(11):1–5 (Eng. Abstr.) **(Rus)**

[Acute meningoencephalitis caused by type 2 poliovirus during hepatitis A] Palmović D, et al. **Lijec Vjesn** 1986 Oct;108(10):428–30 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Neurophysiological problems in poliomyelitis diagnosis: a case report. Valli G, et al. **Electromyogr Clin Neurophysiol** 1987 Mar;27(2):73–5

New neuromuscular symptoms in patients with old poliomyelitis: a three-year follow-up study. Dalakas MC. **Eur Neurol** 1986;25(5):381–7

Detection of poliovirus antigen by enzyme immunoassay. Ukkonen P, et al. **J Clin Microbiol** 1986 Dec;24(6):954–8

[Importance of total and stimulated electromyography in detecting mild forms of polyradiculoneuritis and their differential diagnosis from mild forms of poliomyelitis] Fomin VV, et al. **Pediatriia** 1987;(3):34–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fatal disseminated infection due to poliovirus type 2 vaccine [letter] Rasch DK, et al. **Am J Dis Child** 1986 Dec; 140(12):1211–2

Vaccine related poliomyelitis in non-immunised relatives and household contacts [letter] Nicoll A. **Br Med J** 1987 Feb 7;294(6568):374

Injections and poliomyelitis: what are the risks of vaccine associated paralysis? Wyatt HV. **Dev Biol Stand** 1986; 65:123–6 (12 ref.)

Paralytic poliomyelitis in Italy (1981–85). Novello F, et al. **Eur J Epidemiol** 1987 Mar;3(1):54–60

Acute spinal paralysis after the administration of oral poliomyelitis vaccine in the Federal Republic of Germany (1963–1984). Maass G, et al. **J Biol Stand** 1987 Apr; 15(2):185–91

A review of paralytic poliomyelitis cases occurring after polio vaccination. Basu SN. **J Indian Med Assoc** 1986 Jul; 84(7):203–6

Injections cripple, injections kill [letter] Wyatt HV. **J Indian Med Assoc** 1986 Jun;84(6):193–4

Neurologic complications of oral poliomyelitis vaccine [letter] **J Pediatr** 1987 Jun;110(6):996–8

Polio vaccination [letter] Eggers HJ, et al. **JAMA** 1987 Jul 17;258(3):322–3

Vaccine-associated paralytic poliomyelitis. United States: 1973 through 1984. Nkowane BM, et al. **JAMA** 1987 Mar 13;257(10):1335–40

Poliovaccination in the Gambia [letter] Geffen T. **Lancet** 1987 Aug 29;2(8557):511–2

Imported paralytic poliomyelitis—United States, 1986. **MMWR** 1986 Oct 31;35(43):671–4

Paralytic poliomyelitis in Benin City in Nigeria. Offor E, et al. **Public Health** 1986 Sep;100(5):297–301

FAMILIAL & GENETIC

Outbreak of poliomyelitis in Finland: no distinct HLA association. Kinnunen E, et al. **Tissue Antigens** 1986 Sep; 28(3):190–1

HISTORY

Drinker tank respirators [letter] Hagley S. **Anaesth Intensive Care** 1987 Feb;15(1):119

Late effects of polio: historical perspectives. Wiechers DO. **Birth Defects** 1987;23(4):1–11

Priests and polio: research in a warmhearted climate. Wyatt HV. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1653–5

IMMUNOLOGY

Prevalence of antibody to poliovirus [letter] Roorey MS, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1571
Immune status of the population to poliovirus infection in Singapore. Goh KT, et al. **Bull WHO** 1987;65(1):83–6
Poliomyelitis immunity status at different intervals from vaccination. Bellelli E, et al. **Eur J Epidemiol** 1986 Sep; 2(3):197–204
Proportions of immunoglobulin isotypes in paralytic poliomyelitis and after vaccination. Julkunen I, et al. **J Clin Immunol** 1987 Jul;7(4):319–26
Lansing poliovirus infection in mice: antibody demonstrable by enzyme–linked immunosorbent assay (ELISA) and immunoprecipitation but not by neutralization. Jubelt B, et al. **J Neuroimmunol** 1987 Feb;14(1):109–21
Immunity to poliomyelitis in Sydney's children. Christopher PJ, et al. **Med J Aust** 1983 Feb 5;1(3):107–11
[Status of immunity against poliomyelitis in Germany] Maass G, et al. **Dtsch Med Wochenschr** 1986 Oct 31; 111(44):1670–6 (Eng. Abstr.) **(Ger)**
[The level of herd immunity against poliomyelitis in children during the mass vaccinal prophylaxis of this infection] Spynu KI, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):602–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The nucleotide sequence of a type 3 poliovirus isolated during a recent outbreak of poliomyelitis in Finland. Hughes PJ, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2093–102
Evolution of poliovirus during an outbreak: sequential type 3 poliovirus isolates from several persons show shifts of neutralization determinants. Huovilainen A, et al. **J Gen Virol** 1987 May;68 (Pt 5):1373–8
Ultrastructural immunohistochemical localization of poliovirus during virulent infection of mice. Dal Canto MC, et al. **J Neuropathol Exp Neurol** 1986 Nov;45(6):613–8
[Characteristics of the genome of poliovirus type 3 isolated from patients with poliomyelitis in Moldavia] Lipskaia GIu, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):27–32 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Poliomyelitis in Spain, 1982–1984: virologic and epidemiologic studies. Bernal A, et al. **Am J Epidemiol** 1987 Jul;126(1):69–76
Update on polio in the Americas, 1986. **Bull Pan Am Health Organ** 1986;20(4):404–6
Vaccine–associated poliomyelitis in Quebec. **Can Med Assoc J** 1987 Sep 1;137(5):418–9
Paralytic poliomyelitis in England & Wales, 1970–84. Begg NT, et al. **Epidemiol Infect** 1987 Aug;99(1):97–106
Sero–immunity to poliomyelitis in Himachal Pradesh. Sharma B, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):101–7
Paralytic poliomyelitis in slums of Bombay. Tidke RW, et al. **Indian J Pediatr** 1986 Jan–Feb;53(1):109–13
Epidemic poliomyelitis. Vijayan P, et al. **Indian Pediatr** 1985 Aug;22(8):569–73
Poliomyelitis in Finland [letter] Furesz J, et al. **Lancet** 1986 Sep 20;2(8508):693
Preliminary report: paralytic poliomyelitis—Senegal, 1986. **MMWR** 1987 Jun 26;36(24):387–90
Notification of five of the EPI target diseases in South Africa. An assessment of disease and vaccination reporting. Ijsselmuiden CB, et al. **S Afr Med J** 1987 Sep 5;72(5):311–6
Poliomyelitis in the RSA—epidemiology, monitoring and control. Schoub BD. **S Afr Med J** 1986 Oct 11;Suppl:64–7
[10 years of poliomyelitis in Spain (1976–1985)] Bernal A, et al. **Rev Sanid Hig Publica (Madr)** 1986 Sep–Oct; 60(9–10):889–900 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Late–convalescent poliomyelitis. Corticospinal tract integrity. Fishman PS. **Arch Neurol** 1987 Jan;44(1):98–100
[Study of ATPase, histopathology and ultrastructure of postpoliomyelitic striated muscles] Gu JN. **Chung–hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):25–7 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Postpolio syndrome [letter] Moskowitz E. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):322
Excessive use of remaining anterior tibial motor units during locomotion and absence of type II muscle fibers in antecedent polio. Borg K, et al. **Birth Defects** 1987; 23(4):285–92
Quantitative electromyography after poliomyelitis. Sanders DB, et al. **Birth Defects** 1987;23(4):189–200 (22 ref.)
Reinnervation after acute poliomyelitis. Wiechers DO. **Birth Defects** 1987;23(4):213–21
Conduction velocity and refractory period of single motor nerve fibres in antecedent poliomyelitis. Borg K, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):443–6
Late denervation in patients with antecedent paralytic poliomyelitis. Cashman NR, et al. **N Engl J Med** 1987 Jul 2;317(1):7–12

PREVENTION & CONTROL

Prevalence of antibody to poliovirus in England and Wales 1984–6. White PM, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1153–5
Polio in northeast Brazil. **Bull Pan Am Health Organ** 1986; 20(4):403–4
Evaluation of a poliomyelitis immunization campaign in Madras city. Balraj V, et al. **Bull WHO** 1986;64(6):861–5
Immunization of neonates with trivalent oral poliomyelitis vaccine (Sabin). Dong DX, et al. **Bull WHO** 1986; 64(6):853–60
Present knowledge of poliovirus and perspectives for future vaccines. Crainic R, et al. **Dev Biol Stand** 1987;66:377–83
Combined live and inactivated poliovirus vaccine to control poliomyelitis in a developing country—five years after. Lasch EE, et al. **Dev Biol Stand** 1986;65:137–43
Paralytic poliomyelitis in vaccinated children. Pamecha RK. **Indian J Pediatr** 1987 May–Jun;54(3):431–5
A review of paralytic poliomyelitis cases occurring after polio vaccination. Basu SN. **J Indian Med Assoc** 1986 Jul; 84(7):203–6
Inadequate serological surveys for immunity to poliomyelitis. Inadequate indicators of immune status of communities using oral poliovirus vaccine and inadequate guides to vaccination policy [editorial] Sabin AB. **Med J Aust** 1983 Feb 5;1(3):100–2
East German Society for Microbiology and Epidemiology, Virology Section, and the East German National Committee for Research and Prevention of Poliomyelitis and Related Diseases. Symposium, 14–18 October 1985, Potsdam. Proceedings and abstracts. **Padiatr Grenzgeb** 1987;26(1):1–84
[A checking–up survey of 2 counties of north part of Guangdong Province concerning the eradication of poliomyelitis] Li J. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Feb; 8(1):37–9 (Eng. Abstr.) **(Chi)**

PSYCHOLOGY

Stress and "type A" behavior as precipitants of post–polio sequelae: the Felician/Columbia Survey. Bruno RL, et al. **Birth Defects** 1987;23(4):145–55
Emotional responses to the late effects of poliomyelitis. Kohl SJ. **Birth Defects** 1987;23(4):135–43

REHABILITATION

A power–assisted arm balancer. Thorpe TE. **J Med Eng Technol** 1986 Sep–Oct;10(5):248–51
Paralytic poliomyelitis and physiotherapy. Mabogunje EO. **Trop Doct** 1986 Jan;16(1):34–7

THERAPY

[Medical gymnastics in the myotenoplastic stabilization of a paralytically unstable hip joint] Krasnov AF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):45–9 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Vaccine related poliomyelitis in non–immunised relatives and household contacts. Bateman DE, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):170–1
Communicable disease report. April to June 1986. PHLS Communicable Disease Surveillance Centre. **Community Med** 1986 Nov;8(4):356–60

POLIOVIRUS

Type 1 human poliovirus binds to human synaptosomes. Brown RH Jr, et al. **Ann Neurol** 1987 Jan;21(1):64–70

ANALYSIS

A novel method for obtaining poliovirus 14 S pentamers from procapsids and their self–assembly into virus–like shells. Onodera S, et al. **Virology** 1987 Aug;159(2):278–87
Binding site of neutralizing monoclonal antibodies obtained after in vivo priming with purified VP1 of poliovirus type 1 is located between amino acid residues 93 and 104 of VP1. Wiegers KJ, et al. **Virology** 1987 Mar;157(1):248–51
[Prediction and comparison of secondary structures of poliovirus capsid proteins] Yang XF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):450–5 (Eng. Abstr.) **(Chi)**

CLASSIFICATION

Differentiation of poliovirus type I isolates in the 1982 epidemic from Sabin–I strain by antigenic and temperature markers. Lee CN, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):80–8
Antigenic and biochemical characterization of poliovirus type 1 isolates. Hara M, et al. **Microbiol Immunol** 1987; 31(4):327–36
[Occurrence of poliovirus strains with increased neurovirulence in the waste water from the city of Prague 1983–1984] Matyášová I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun;36(3):161–7 (Eng. Abstr.) **(Cze)**
[Use of monoclonal antibodies for the intratypic differentiation of strains of poliomyelitis type I virus] Lashkevich VA, et al. **Vopr Virusol** 1987 Mar–Apr; 32(2):183–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The poliovirus–induced shut–off of cellular protein synthesis persists in the presence of 3–methylquercetin, a flavonoid which blocks viral protein and RNA synthesis. Vrijsen R, et al. **Antiviral Res** 1987 Jan;7(1):35–42
Dependence of guanidine sensitivity of poliovirus replication on the concentration of monovalent cations in the culture medium. Nair CN. **J Gen Virol** 1987 Apr;68 (Pt 4):1195–8
Action of 3–methylquercetin on poliovirus RNA replication. Castrillo JL, et al. **J Virol** 1987 Oct;61(10):3319–21
Inhibition of poliovirus uncoating by disoxaril (WIN 51711). Zeichhardt H, et al. **Virology** 1987 Sep;160(1):281–5
[Studies of benzimidazole derivatives. XIII. Synthesis of various 2–alpha–hydroxy– and 2–beta–hydroxyalkyl–benzimidazoles] Saczewski F, et al. **Acta Pol Pharm** 1986;43(4):299–307 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Properties of poliovirus associated protein kinase. Lackmann M, et al. **Arch Virol** 1987;95(1–2):1–16
Protein products synthesized by a cloned virus protease gene. Korant BD, et al. **Biomed Biochim Acta** 1986; 45(11–12):1529–35
Site–specific mutagenesis of cDNA clones expressing a poliovirus proteinase. Semler BL, et al. **J Cell Biochem** 1987 Jan;33(1):39–51
Poliovirus proteinase 2A induces cleavage of eucaryotic initiation factor 4F polypeptide p220. Kräusslich HG, et al. **J Virol** 1987 Sep;61(9):2711–8
Primer–dependent synthesis of covalently linked dimeric RNA molecules by poliovirus replicase. Lubinski JM, et al. **J Virol** 1987 Oct;61(10):2997–3003
Characterization of product RNAs synthesized in vitro by poliovirus RNA polymerase purified by chromatography on hydroxylapatite or poly(U) Sepharose. Young DC, et al. **J Virol** 1987 Feb;61(2):611–4
Expression of enzymatically active poliovirus RNA–dependent RNA polymerase in Escherichia coli. Morrow CD, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6050–4

GENETICS

Regulation of translation by poliovirus. Sonenberg N. **Adv Virus Res** 1987;33:175–204 (85 ref.)
The sequence of the coxsackievirus A 21 polymerase gene indicates a remarkably close relationship to the polioviruses. Brief report. Hughes PJ, et al. **Arch Virol** 1987;94(1–2):141–7
Viral sequences required for neurovirulence of poliovirus. Racaniello VR. **Bioessays** 1986 Dec;5(6):266–70 (29 ref.)
The mechanism of RNA recombination in poliovirus. Kirkegaard K, et al. **Cell** 1986 Nov 7;47(3):433–43
An inducible mammalian amber suppressor: propagation of a poliovirus mutant. Sedivy JM, et al. **Cell** 1987 Jul 31; 50(3):379–89
Effects of extracellular cations on translation in poliovirus–infected cells. Castrillo JL, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):325–33
The nucleotide sequence of a type 3 poliovirus isolated during a recent outbreak of poliomyelitis in Finland. Hughes PJ, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2093–102
Conservation in vivo of protease cleavage sites in antigenic sites of poliovirus. Minor PD, et al. **J Gen Virol** 1987 Jul; 68 (Pt 7):1857–65
Primary structure of poliovirus defective–interfering particle genomes and possible generation mechanisms of the particles. Kuge S, et al. **J Mol Biol** 1986 Dec 5; 192(3):473–87
Intratypic recombination of polioviruses: evidence for multiple crossing–over sites on the viral genome. Agut H, et al. **J Virol** 1987 May;61(5):1722–5
Genetic complementation among poliovirus mutants derived from an infectious cDNA clone. Bernstein HD, et al. **J Virol** 1986 Dec;60(3):1040–9
Proteolysis of the p220 component of the cap–binding protein complex is not sufficient for complete inhibition of host cell protein synthesis after poliovirus infection. Bonneau AM, et al. **J Virol** 1987 Apr;61(4):986–91
Site–directed mutagenesis of proteinase 3C results in a poliovirus deficient in synthesis of viral RNA polymerase. Dewalt PG, et al. **J Virol** 1987 Jul;61(7):2162–70
Host factor–induced template modification during synthesis of poliovirus RNA in vitro. Hey TD, et al. **J Virol** 1987 Mar;61(3):802–11
Construction of viable deletion and insertion mutants of the Sabin strain of type 1 poliovirus: function of the 5' noncoding sequence in viral replication. Kuge S, et al. **J Virol** 1987 May;61(5):1478–87
Restriction of translation of capped mRNA in vitro as a model for poliovirus–induced inhibition of host cell protein synthesis: relationship to p220 cleavage. Lloyd RE, et al. **J Virol** 1987 Aug;61(8):2480–8
Production of guanidine–resistant and –dependent poliovirus mutants from cloned cDNA: mutations in polypeptide 2C are directly responsible for altered guanidine sensitivity. Pincus SE, et al. **J Virol** 1986 Nov;60(2):793–6
Modification of RNA polymerase IIO subspecies after poliovirus infection. Rangel LM, et al. **J Virol** 1987 Apr; 61(4):1002–6
Poliovirus snapback double–stranded RNA isolated from infected HeLa cells is deficient in poly(A). Richards OC,

et al. **J Virol** 1987 Jul;61(7):2307–10

Analysis of RNA synthesis of type 1 poliovirus by using an in vitro molecular genetic approach. Toyoda H, et al. **J Virol** 1987 Sep;61(9):2816–22

Processing determinants required for in vitro cleavage of the poliovirus P1 precursor to capsid proteins. Ypma-Wong MF, et al. **J Virol** 1987 Oct;61(10):3181–9

In vitro molecular genetics as a tool for determining the differential cleavage specificities of the poliovirus 3C proteinase. Ypma-Wong MF, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2069–88

Poliovirus polypeptide precursors: expression in vitro and processing by exogenous 3C and 2A proteinases. Nicklin MJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4002–6

Multiple mutations involved in the phenotype of a temperature-sensitive small-plaque mutant of poliovirus. Bellocq C, et al. **Virology** 1987 Mar;157(1):75–82

Expression of the poliovirus genome from infectious cDNA is dependent upon arrangements of eukaryotic and prokaryotic sequences in recombinant plasmids. Kuhn RJ, et al. **Virology** 1987 Apr;157(2):560–4

Guanidine-dependent mutants of poliovirus: identification of three classes with different growth requirements. Pincus SE, et al. **Virology** 1987 Mar;157(1):83–8

Poliovirus temperature-sensitive mutant containing a single nucleotide deletion in the 5'-noncoding region of the viral RNA. Racaniello VR, et al. **Virology** 1986 Dec; 155(2):498–507

The primary structure of crossover regions of intertypic poliovirus recombinants: a model of recombination between RNA genomes. Romanova LI, et al. **Virology** 1986 Nov; 155(1):202–13

[Possible common origin of poliovirus proteins responsible for different functions] Gorbalenia AE, et al. **Mol Gen Mikrobiol Virusol** 1986 Jan;(1):36–41 (Eng. Abstr.) **(Rus)**

[Characteristics of the genome of poliovirus type 3 isolated from patients with poliomyelitis in Moldavia] Lipskaia GIu, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):27–32 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Mechanism of inactivation of enteric viruses in fresh water. Ward RL, et al. **Appl Environ Microbiol** 1986 Sep; 52(3):450–9

The growth of polio virus in human diploid fibroblasts grown with cellulose microcarriers in suspension cultures. Larsson B, et al. **Dev Biol Stand** 1987;66:385–90

Poliovirus infection of established human blood cell lines: relationship between the differentiation stage and susceptibility of cell killing. Okada Y, et al. **Virology** 1987 Feb;156(2):238–45

IMMUNOLOGY

Serum polio antibodies in unimmunized preschool children in a rural village in Ghana: before active immunization programme. Isomura S, et al. **Ann Trop Paediatr** 1987 Mar; 7(1):10–4

Different virus–precipitating activities of neutralizing monoclonal antibodies that recognize distinct sites of poliovirus particles. Taniguchi K, et al. **Arch Virol** 1987; 92(1–2):27–40

Neutralization of poliovirus by polyclonal antibodies requires binding of a single IgG molecule per virion. Wetz K, et al. **Arch Virol** 1986;91(3–4):207–20

Prevalence of antibody to poliovirus [letter] Rooney MS, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1571

Prevalence of antibody to poliovirus in England and Wales 1984–6. White PM, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1153–5

Immune status of the population to poliovirus infection in Singapore. Goh KT, et al. **Bull WHO** 1987;65(1):83–6

Secondary immune amplification following live poliovirus immunization in humans. Hafler DA, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):321–8

Evaluation of a new combined inactivated DPT–polio vaccine. Drucker J, et al. **Dev Biol Stand** 1986;65:145–51

Anti-poliovirus IgG subclass antibodies in cytomegalovirus infected mice. Schilt U. **Immunol Lett** 1986 Nov 3; 13(6):283–7

Inactivation of poliovirus with beta-propiolactone. Jiang SD, et al. **J Biol Stand** 1986 Apr;14(2):103–9

The antibody response of seronegative infants to inactivated poliovirus vaccine of enhanced potency. Simoes EA, et al. **J Biol Stand** 1986 Apr;14(2):127–31

Comparison between indirect immunofluorescence and microneutralization for detection of antibodies to polioviruses. Pettit C, et al. **J Clin Microbiol** 1987 Jul; 25(7):1325–6

Detection of poliovirus antigen by enzyme immunoassay. Ukkonen P, et al. **J Clin Microbiol** 1986 Dec;24(6):954–8

Reactivity of anti–peptide and anti–poliovirus type 3 monoclonal antibodies with synthetic peptides. Ferguson M, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2527–31

Preliminary studies on antigenic variation of poliovirus using neutralizing monoclonal antibodies. Guo R, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):989–94

Production of monoclonal and monospecific antibodies against non-capsid proteins of poliovirus. Pasamontes L, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2415–22

Lansing poliovirus infection in mice: antibody demonstrable by enzyme-linked immunosorbent assay (ELISA) and immunoprecipitation but not by neutralization. Jubelt B, et al. **J Neuroimmunol** 1987 Feb;14(1):109–21

Regions of poliovirus protein VP1 produced in Escherichia coli induce neutralizing antibodies. Hoatlin ME, et al. **J Virol** 1987 May;61(5):1442–7

Effects of arildone on the immunogenicity of formalin-inactivated polioviruses. Abe S, et al. **Jpn J Med Sci Biol** 1987 Feb;40(1):1–13

Poliovirus resistant cells derived from HeLa cells. Chinami M, et al. **Kurume Med J** 1986;33(3):125–9

Serological comparisons of approaches to polio vaccination in the Gambia [letter] Hanlon P, et al. **Lancet** 1987 Apr 4;1(8536):800–1

[Utilization of an ELISA technic for the quantification of antipoliovirus antibodies in human sera] Gershy-Damet GM, et al. **Bull Soc Pathol Exot Filiales** 1987;80(3):289–94 (Eng. Abstr.) **(Fre)**

[A model of the secondary structure and distribution of antigenic determinants in the VP1 protein of hepatitis A virus] Mesianzhinov VV. **Biofizika** 1986 Nov–Dec; 31(6):961–3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Presence of vaccine-strain poliovirus in cerebrospinal fluid of patient with near-miss sudden infant death syndrome [letter] Chonmaitree T, et al. **Am J Dis Child** 1986 Dec; 140(12):1212–3

Poliomyelitis in Spain, 1982–1984: virologic and epidemiologic studies. Bernal A, et al. **Am J Epidemiol** 1987 Jul;126(1):69–76

Humic acid interference with virus recovery by electropositive microporous filters. Guttman-Bass N, et al. **Appl Environ Microbiol** 1986 Sep;52(3):556–61

Second-step reconcentration of environmental samples by ammonium sulfate flocculation of beef extract. Payment P, et al. **Can J Microbiol** 1987 Jun;33(6):571–2

Evolution of poliovirus during an outbreak: sequential type 3 poliovirus isolates from several persons show shifts of neutralization determinants. Huovilainen A, et al. **J Gen Virol** 1987 May;68 (Pt 5):1373–8

Effect of raised type-3 poliovaccine dose on virus excretion. Kucharská Z, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(4):395–403

Ultrastructural immunohistochemical localization of poliovirus during virulent infection of mice. Dal Canto MC, et al. **J Neuropathol Exp Neurol** 1986 Nov;45(6):613–8

Characterization and role in morphogenesis of a new subviral particle (55S) isolated from poliovirus-infected cells. Corrias MV, et al. **J Virol** 1987 Feb;61(2):561–9

Enumeration of enterovirus particles by scanning electron microscopy. Heinz BA, et al. **J Virol Methods** 1986 Aug; 14(1):71–83

The effect of a mass poliomyelitis vaccination program on the occurrence of enteroviruses in seawater. Lucena F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):67–9

[A survey of types and distribution of enterovirus among residents of Yantai City] Zhou GP, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Apr; 8(2):88–91 (Eng. Abstr.) **(Chi)**

METABOLISM

Formation and activity of covalent conjugates of poliovirus and ligands binding to cell surface structures. Aarnes CM, et al. **Exp Cell Res** 1987 Jun;170(2):483–90

Monoclonal antibody-aided characterization of cellular p220 in uninfected and poliovirus-infected HeLa cells: subcellular distribution and identification of conformers. Etchison D, et al. **J Virol** 1987 Sep;61(9):2702–10

Poliovirion-derived capsid proteins in subviral ribonucleoprotein complexes. Cantero-Aguilar L, et al. **Virology** 1987 Feb;156(2):259–67

A pH-dependent dissociation of poliovirus procapsids. Rombaut B, et al. **Virology** 1987 Mar;157(1):245–7

PATHOGENICITY

A mouse model for poliovirus neurovirulence identifies mutations that attenuate the virus for humans. La Monica N, et al. **J Virol** 1987 Sep;61(9):2917–20

[Characteristics of human-mouse hybrid cell lines and the changes induced in them by the poliomyelitis virus] Karmysheva VIa, et al. **Tsitologiia** 1986 Jul;28(7):713–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Animal viruses promote the entry of polysaccharides with antiviral activity into cells. González ME, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1303–10

Present knowledge of poliovirus and perspectives for future vaccines. Crainic R, et al. **Dev Biol Stand** 1987;66:377–83

Adenovirus late protein synthesis is resistant to the inhibition of translation induced by poliovirus. Castrillo JL, et al. **J Biol Chem** 1987 May 25;262(15):7328–34

Cation content in poliovirus-infected HeLa cells. López-Rivas A, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):335–42

Activation of double-stranded RNA-activated protein kinase in HeLa cells after poliovirus infection does not result in increased phosphorylation of eucaryotic initiation factor-2. Ransone LJ, et al. **J Virol** 1987 Jun;61(6):1781–7

Transformation of a human poliovirus receptor gene into mouse cells. Mendelsohn C, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7845–9

ULTRASTRUCTURE

The structure of poliovirus. Hogle JM, et al. **Sci Am** 1987 Mar;256(3):42–9

Association of polioviral proteins of the P2 genomic region with the viral replication complex and virus-induced membrane synthesis as visualized by electron microscopic immunocytochemistry and autoradiography. Bienz K, et al. **Virology** 1987 Sep;160(1):220–6

POLIOVIRUS VACCINE

Combined live and inactivated poliovirus vaccine to control poliomyelitis in a developing country—five years after. Lasch EE, et al. **Dev Biol Stand** 1986;65:137–43

Inactivation of poliovirus with beta-propiolactone. Jiang SD, et al. **J Biol Stand** 1986 Apr;14(2):103–9

Failure of live, oral virus vaccines in developing countries [letter] Albert MJ. **J Infect Dis** 1987 Jun;155(6):1350

The effect of a mass poliomyelitis vaccination program on the occurrence of enteroviruses in seawater. Lucena F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):67–9

[The current attitude to polio vaccines (editorial)] Schwartz T. **Harefuah** 1986 Sep;111(5–6):150–2 **(Heb)**

ADMINISTRATION & DOSAGE

Effect of raised type-3 poliovaccine dose on virus excretion. Kucharská Z, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(4):395–403

Serological comparisons of approaches to polio vaccination in the Gambia [letter] Hanlon P, et al. **Lancet** 1987 Apr 4;1(8536):800–1

Preliminary report: paralytic poliomyelitis—Senegal, 1986. **MMWR** 1987 Jun 26;36(24):387–90

ADVERSE EFFECTS

Vaccine related poliomyelitis in non-immunised relatives and household contacts [letter] Nicoll A. **Br Med J** 1987 Feb 7;294(6568):374

Injections cripple, injections kill [letter] Wyatt HV. **J Indian Med Assoc** 1986 Jun;84(6):193–4

Polio vaccination [letter] Eggers HJ, et al. **JAMA** 1987 Jul 17;258(3):322–3

Poliovaccination in the Gambia [letter] Geffen T. **Lancet** 1987 Aug 29;2(8557):511–2

Poliovaccination in the Gambia [letter] Wyatt HV. **Lancet** 1987 Jul 4;2(8549):43

ANALYSIS

Comparison of three assays of picogram amounts of residual cellular DNA in biological products from continuous cell lines. Barraud-Hadidane B, et al. **Arch Toxicol [Suppl]** 1987; 11:200–5

GENETICS

Regions of poliovirus protein VP1 produced in Escherichia coli induce neutralizing antibodies. Hoatlin ME, et al. **J Virol** 1987 May;61(5):1442–7

IMMUNOLOGY

Antibody response to measles vaccine with DTPP [letter] John TJ, et al. **Am J Dis Child** 1987 Jan;141(1):14

Secondary immune amplification following live poliovirus immunization in humans. Hafler DA, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):321–8

Lack of adjuvant effect of the pertussis component on IPV DTP–polio vaccine in children. Cadoz M, et al. **Dev Biol Stand** 1986;65:153–8

Simultaneous administration of diphtheria/tetanus/pertussis/polio vaccine and hepatitis B vaccine in a simplified immunization programme. Coursaget P, et al. **Dev Biol Stand** 1986;65:169–75

Evaluation of a new combined inactivated DPT–polio vaccine. Drucker J, et al. **Dev Biol Stand** 1986;65:145–51

Use of a combined DTP–polio vaccine in a reduced schedule. Swartz TA, et al. **Dev Biol Stand** 1986;65:159–66

The antibody response of seronegative infants to inactivated poliovirus vaccine of enhanced potency. Simoes EA, et al. **J Biol Stand** 1986 Apr;14(2):127–31

Intestinal immunity induced by inactivated poliovirus vaccine. Selvakumar R, et al. **Vaccine** 1987 Jun;5(2):141–4

PHARMACODYNAMICS

Proportions of immunoglobulin isotypes in paralytic poliomyelitis and after vaccination. Julkunen I, et al. **J Clin Immunol** 1987 Jul;7(4):319–26

STANDARDS

A mouse model to estimate the potency of the diphtheria component in combined vaccines. Kreeftenberg JG, et al. **Dev Biol Stand** 1986;64:21–4

THERAPEUTIC USE

Clinical improvement of two patients with T lymphotropic retrovirus diseases after polio vaccine hyperimmunization. Pitts FN Jr, et al. **Clin Immunol Immunopathol** 1987 May; 43(2):277–80

POLIOVIRUS VACCINE, ORAL

Fatal disseminated infection due to poliovirus type 2 vaccine [letter] Rasch DK, et al. **Am J Dis Child** 1986 Dec; 140(12):1211–2

Combined live and inactivated poliovirus vaccine to control poliomyelitis in a developing country—five years after. Lasch EE, et al. **Dev Biol Stand** 1986;65:137–43

Paralytic poliomyelitis in vaccinated children. Pamecha RK. **Indian J Pediatr** 1987 May–Jun;54(3):431–5

Immunity to poliomyelitis in Sydney's children. Christopher PJ, et al. **Med J Aust** 1983 Feb 5;1(3):107–11

Inadequate serological surveys for immunity to poliomyelitis. Inadequate indicators of immune status of communities using oral poliovirus vaccine and inadequate guides to vaccination policy [editorial] Sabin AB. **Med J Aust** 1983 Feb 5;1(3):100–2

[Preparation of inactivated poliomyelitis vaccine with attenuated Sabin strains] Abe S, et al. **Uirusu** 1986 Jun; 36(1):125–37 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Evaluation of a poliomyelitis immunization campaign in Madras city. Balraj V, et al. **Bull WHO** 1986;64(6):861–5

Immunization of neonates with trivalent oral poliomyelitis vaccine (Sabin). Dong DX, et al. **Bull WHO** 1986; 64(6):853–60

Combined vaccination with live oral polio vaccine and the bovine rotavirus RIT 4237 strain. Vodopija I, et al. **Vaccine** 1986 Dec;4(4):233–6

[The level of herd immunity against poliomyelitis in children during the mass vaccinal prophylaxis of this infection] Spynu KI, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):602–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Presence of vaccine–strain poliovirus in cerebrospinal fluid of patient with near–miss sudden infant death syndrome [letter] Chonmaitree T, et al. **Am J Dis Child** 1986 Dec; 140(12):1212–3

Reinnervation after acute poliomyelitis. Wiechers DO. **Birth Defects** 1987;23(4):213–21

Vaccine related poliomyelitis in non–immunised relatives and household contacts. Bateman DE, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):170–1

Vaccine–associated poliomyelitis in Quebec. **Can Med Assoc J** 1987 Sep 1;137(5):418–9

Injections and poliomyelitis: what are the risks of vaccine associated paralysis? Wyatt HV. **Dev Biol Stand** 1986; 65:123–6 (12 ref.)

Acute spinal paralysis after the administration of oral poliomyelitis vaccine in the Federal Republic of Germany (1963–1984). Maass G, et al. **J Biol Stand** 1987 Apr; 15(2):185–91

A review of paralytic poliomyelitis cases occurring after polio vaccination. Basu SN. **J Indian Med Assoc** 1986 Jul; 84(7):203–6

Neurologic complications of oral poliomyelitis vaccine [letter] **J Pediatr** 1987 Jun;110(6):996–8

Vaccine–associated paralytic poliomyelitis. United States: 1973 through 1984. Nkowane BM, et al. **JAMA** 1987 Mar 13;257(10):1335–40

IMMUNOLOGY

Differentiation of poliovirus type I isolates in the 1982 epidemic from Sabin–I strain by antigenic and temperature markers. Lee CN, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):80–8

Use of a combined DTP–polio vaccine in a reduced schedule. Swartz TA, et al. **Dev Biol Stand** 1986;65:159–66

Poliomyelitis immunity status at different intervals from vaccination. Bellelli E, et al. **Eur J Epidemiol** 1986 Sep; 2(3):197–204

POLISHES see **INDUSTRIAL OILS**

POLISHES, DENTAL see **DENTIFRICES**

POLITEF see **POLYTETRAFLUOROETHYLENE**

POLITICAL ACTIVITY see **POLITICS**

POLITICAL SYSTEMS

Capitalism, socialism, and the physical quality of life. Cereseto S, et al. **Int J Health Serv** 1986;16(4):643–58

An economic basis for the proletarianization of physicians. Chernomas R. **Int J Health Serv** 1986;16(4):669–74

Soviet physicians denied exit visas [letter] **Lancet** 1986 Sep 20;2(8508):690

The state of psychiatry in South Africa today. Dommisse J. **Soc Sci Med** 1987;24(9):749–61

[From the National Socialist time] Bourgeon M. **Prax Kinderpsychol Kinderpsychiatr** 1986 Aug–Sep; 35(6):222–8 (Eng. Abstr.) **(Ger)**

[34th Congress of the International Psychoanalytic Association. 28 July 1985] **Psyche (Stuttg)** 1986 Oct; 40(10):857–921 **(Ger)**

[An entirely normal meeting? Remarks on the Hamburg congress] Becker S. **Psyche (Stuttg)** 1986 Oct;40(10):864–7 **(Ger)**

[Response to the mayor of Hamburg] Bergeret J. **Psyche (Stuttg)** 1986 Oct;40(10):867–70 **(Ger)**

[The Hamburg congress was a beginning, not a festival of forgiveness] Keilson H. **Psyche (Stuttg)** 1986 Oct; 40(10):877–81 **(Ger)**

[Followers of Freud meet in Germany] Kurzweil E. **Psyche (Stuttg)** 1986 Oct;40(10):909–21 **(Ger)**

[The psychoanalyst without face or history—psychoanalysis without face or history] Speier S. **Psyche (Stuttg)** 1987 Jun; 41(6):481–91 (Eng. Abstr.) **(Ger)**

[Why don't the Germans speak?] Vogt R. **Psyche (Stuttg)** 1986 Oct;40(10):896–902 **(Ger)**

["And nobody listens to them, when Germans talk about psychoanalysis"]Vogt–Heyder B. **Psyche (Stuttg)** 1986 Oct; 40(10):890–6 **(Ger)**

[Antipsychotherapy and antipedagogy: models of totalitarian sociotechnics] Godorowski K. **Minerva Psichiatr** 1986 Oct–Dec;27(4):345–50 (Eng. Abstr.) **(Ita)**

[25th issue dedicated to the medical problems during the occupation under Hitler. On the 42d anniversary of the liberation of the Auschwitz–Birkenau concentration camp] **Przegl Lek** 1987;44(1):1–255 **(Pol)**

[Methodological aspects of a critique of the ideological and social psychological premises shaping fascist medicine] Radil T. **Vestn Akad Med Nauk SSSR** 1987;(3):73–9 **(Rus)**

HISTORY

The deprofessionalization of Soviet physicians: a reconsideration. Brown JV. **Int J Health Serv** 1987; 17(1):65–76

German psychological journals under National Socialism: a history of contrasting paths. Wohlwill JF. **J Hist Behav Sci** 1987 Apr;23(2):169–85

From Nazi holocaust to nuclear holocaust [letter] Sauter C. **Lancet** 1986 Sep 20;2(8508):690

The abuse of medicine as a political power in Nazi Germany. Moss R. **Med War** 1987 Jan–Mar;3(1):43–7

[Homosexuality as a topic of sexual science in national socialism] Herzer M. **Beitr Sexualforsch** 1987;63:29–33 **(Ger)**

[Introductory speech of the 34th Congress of the International Psychoanalytic Society 28 July 1985] Von Dohnanyi K. **Psyche (Stuttg)** 1986 Oct;40(10):860–3 **(Ger)**

[Secret medical studies. Polish physicians, university faculty and students resisting. Fascist extermination actions] Wankiewicz R. **Z Gesamte Hyg** 1986 Dec;32(12):740–1 **(Ger)**

["The overcoming of political parties by the youth"—an early political essay by Harald Schultz–Hencke] Köpp W. **Z Psychosom Med Psychoanal** 1987;33(2):155–61 (Eng. Abstr.) **(Ger)**

[Trends and new results in research on the status of medicine in Germany during the fascist dictatorship] Decker N, et al. **Vestn Akad Med Nauk SSSR** 1987;(3):79–83 **(Rus)**

POLITICS

The self–interest of bureaucrats [editorial] Conner SL. **Ala Med** 1986 Dec;56(6):5–6

Benzene toxicity: studying a subject to death. Infante PF. **Am J Ind Med** 1987;11(5):599–604 (27 ref.)

Brief therapy in the age of Reagapeutics. Good PR. **Am J Orthopsychiatry** 1987 Jan;57(1):6–11

Economic development, political–economic system and PQL [letter] [published erratum appears in Am J Public Health 1987 Apr;77(4):515] Kwon IW. **Am J Public Health** 1987 Feb;77(2):242–3

Physical quality of life and the political–economic system [letter] [published erratum appears in Am J Public Health 1987 Apr;77(4):515] Zilberg Y. **Am J Public Health** 1987 Feb;77(2):240

Organizational politics. Learning to play the corporate game. Carr EM. **AORN J** 1986 Dec;44(6):947–9, 952–3, 956–7

American Nurses' Association considers endorsing presidential candidate in 1988 election. Schlepp S. **AORN J** 1987 Mar;45(3):792–5

Warning labels and warning signs: the battle continues across the Atlantic. Blume SB. **Br J Addict** 1987 Jan;82(1):5–6

Drugs, alcohol and tobacco: the political dimension. Braine B. **Br J Addict** 1986 Oct;81(5):621–9

Evaluations of political violence by English and Northern Irish schoolchildren. Lorenc L, et al. **Br J Soc Psychol** 1986 Nov;25 (Pt 4):349–52

The debasing of medicine in the Soviet Union [letter] **Br Med J [Clin Res]** 1987 Jan 17;294(6565):180–1

Political dissent and "sluggish" schizophrenia in the Soviet Union [editorial] Wilkinson G. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):641–2

Muzzling a loose cannon [letter] **Can Med Assoc J** 1987 Aug 1;137(3):185–7

Democratic socialism confronts psychiatry. Hoffman B. **Can Med Assoc J** 1986 Oct 15;135(8):931–2

The politics of medicine. Jennings D. **Can Med Assoc J** 1987 Apr 15;136(8):813–4

Public health strategies and political constraints. Cornwall JR. **Community Health Stud** 1986;10(4):452–6

Statistics and politics: the "Hispanic issue" in the 1980 census. Choldin HM. **Demography** 1986 Aug;23(3):403–18

Voting status life tables for the United States, 1968–1980. Land KC, et al. **Demography** 1986 Aug;23(3):381–402

The abortion issue in the 1984 elections. Granberg D. **Fam Plann Perspect** 1987 Mar–Apr;19(2):59–62

Professional politics and the concepts of family therapy, family consultation, and systems consultation. Wynne LC, et al. **Fam Process** 1987 Jun;26(2):153–66

Congressional perceptions of the elderly: the use of stereotypes in the legislative process. Lubomudrov S. **Gerontologist** 1987 Feb;27(1):77–81

Long–term care policy and interest group struggles. Torres–Gil F, et al. **Gerontologist** 1986 Oct;26(5):488–95

November ballot offers mixed bag. Burda D. **Hospitals** 1986 Oct 20;60(20):36

The Burnetian legacy: scientists as citizens. Nossal GJ. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):1–9

The Governor and education reform. The voice of business. Walls JW. **Indiana Med** 1986 Sep;79(9):784

Tobacco or health in the Third World: a political economy perspective with emphasis on Mexico. Stebbins KR. **Int J Health Serv** 1987;17(3):521–36 (78 ref.)

Getting into the act: a Canadian nurse's experience. Dick D, et al. **Int Nurs Rev** 1986 Nov–Dec;33(6):165–70

Communicate with your lawmaker. Ollie CA. **Iowa Med** 1986 Nov;76(11):515–6

Political attitudes and voting among unemployed and employed youth. Banks MH, et al. **J Adolesc** 1987 Jun; 10(2):201–16

Politics, poverty, and nutrition. Cross AT. **J Am Diet Assoc** 1987 Aug;87(8):1007–10

Robert Waelder and the application of psychoanalytic principles to social and political phenomena. Guttman SA. **J Am Psychoanal Assoc** 1986;34(4):835–62

Physicians and the challenge of politics. Caldwell JR. **J Fla Med Assoc** 1986 Nov;73(11):871–4

Introduction to a decade of transition. Brown LD. **J Health Polit Policy Law** 1986;11(4):569–83

New federalism and health care policy: states and the old questions. Thompson FJ. **J Health Polit Policy Law** 1986; 11(4):647–69

Medical rivalries and medical politics in France: the physicians' union movement and the Medical Assistance Law of 1893. Hildreth ML. **J Hist Med Allied Sci** 1987 Jan;42(1):5–29

Policymaking, politics, and the neuroscience nurse. Hodges LC, et al. **J Neurosci Nurs** 1986 Dec;18(6):338–43

Attitude accessibility as a moderator of the attitude–perception and attitude–behavior relations: an investigation of the 1984 presidential election. Fazio RH, et al. **J Pers Soc Psychol** 1986 Sep;51(3):505–14

Adolescents' reactions to the evacuation of the Sinai settlements: a longitudinal study. Sagy S, et al. **J Psychol** 1986 Nov;120(6):543–56

Jewish–Arab relations in Israel: a psychology of adolescence perspective. Seginer R. **J Psychol** 1986 Nov;120(6):557–65

Political risk assessment, from an elected safety belt law advocate's point of view and experience. Austin RH. **J Trauma** 1987 Jul;27(7):719–25

Boycotts and medicine [letter] **Lancet** 1987 Aug 1;2(8553):278

Boycotts and medicine [letter] Dommisse J Jr. **Lancet** 1987 May 16;1(8542):1146

Boycotts and medicine [letter] Grové SS. **Lancet** 1987 Jul 18;2(8551):160

Boycotts and medicine [letter] Hall PL, et al. **Lancet** 1987 May 30;1(8544):1265–6

Lioness versus lobby. Ris HW. **Lancet** 1986 Oct 11; 2(8511):857

Tropic of Capricorn. Best J. **Med J Aust** 1986 Mar 3; 144(5):266, 269–70

Planning for persuasion. Britten S. **Med War** 1985 Jan–Apr; 1(1):69–70

Groundwork for lobbying. Britten S. **Med War** 1985 Sep–Dec;1(3):243–4

'Denial' and 'dissociation' of danger, and 'nuclear winter'. Roth M. **Med War** 1985 May–Aug;1(2):79–81

Around Parliament. Verheggen W. **Med War** 1985 May–Aug; 1(2):157–8

More than economism: the politics of workers' safety and health, 1932–1947. Markowitz G, et al. **Milbank Q** 1986; 64(3):331–54

Apartheid and the academic boycott of South Africa. McGregor M. **N Engl J Med** 1987 Apr 16;316(16):1022–3

Keeping politics out of AIDS [editorial] **Nature** 1987 Jun 11–17;327(6122):447

Warning from Soviet psychiatrist on doubtful practices [news] Rich V. **Nature** 1987 May 28–Jun 3;327(6120):264

Identity and political socialization. Adams GR. **New Dir Child Dev** 1985 Dec;(30):61–77

Public health nursing requires grassroots activism [letter] Eastman MA. **Nurs Outlook** 1987 Mar–Apr;35(2):96

Nursing and politics: a forgotten legacy. Rogge MM. **Nurs Res** 1987 Jan–Feb;36(1):26–30

Judi Buckalew: learning to play political hardball [interview by Linda J. Pearson] Buckalew J. **Nurse Pract** 1987 Jan; 12(1):48–56

George E. Brown, Jr.... California congressman shares views on Animal Welfare Act amendments, laboratory vandalism,

APHIS funding [interview by William M. Samuels] Brown GE Jr. **Physiologist** 1986 Jun;29(3):35–7

History of the Committee of Psychiatry and Foreign Affairs. Rogers RR. **Psychiatr J Univ Ottawa** 1986 Dec; 11(4):188–92

The politician–doctor nexus [editorial] **Trop Gastroenterol** 1986 Apr–May;7(2):41–2

[In praise of medicine: 450 years following the demise of Desiderius Erasmus] Rolies JJ. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1230–3 **(Dut)**

[Public organization of feelings and nuclear threat. On the political psychology of war and freedom] König H. **Psyche (Stuttg)** 1987 Jul;41(7):577–95 (Eng. Abstr.) **(Ger)**

[Enemy images and so-called goodness] Becker H, et al. **Psychother Psychosom Med Psychol** 1986 Sep–Oct; 36(9–10):313–9 (Eng. Abstr.) **(Ger)**

[Political public health measures and aspects in the control of HTLV–III infection] Steinbach M. **Verh Dtsch Ges Inn Med** 1986;92:343–5 **(Ger)**

[Planning and socialistic democracy] Keck A, et al. **Z Arztl Fortbild (Jena)** 1986;80(23):1003–6 **(Ger)**

[The main tasks in its uniting of economic and social politics] Keck A. **Z Arztl Fortbild (Jena)** 1987;81(11):559–63 **(Ger)**

[Intensification and rationalization—principles for stable and dynamic growth of the political economy and social progress] Keck A. **Z Arztl Fortbild (Jena)** 1986; 80(18):773–6 **(Ger)**

[Socialist aspects of preventive medicine] Lämmel R, et al. **Z Arztl Fortbild (Jena)** 1986;80(24):1047–50 **(Ger)**

[Peace—a right and responsibility of the people] Parlow S. **Z Arztl Fortbild (Jena)** 1987;81(3):135–8 **(Ger)**

[Peace—the ideal and the reality] Parlow S. **Z Arztl Fortbild (Jena)** 1986;80(19):827–30 **(Ger)**

[The responsibility of state leaders of health services for implementation of comprehensive health protection] Zimmermann B. **Z Arztl Fortbild (Jena)** 1986;80(15):639–40 **(Ger)**

[Treatment of topics concerning the aged in the German federal parliament 1976–1983] Wilbers J. **Z Gerontol** 1986 Sep–Oct;19(5):358–61 (Eng. Abstr.) **(Ger)**

[With perserverance let us raise political knowledge (editorial)] Fedorov KV. **Voen Med Zh** 1986 Nov;(11):3–5 **(Rus)**

HISTORY

Physicians as politicians and statesmen. An unaccustomed role. Can it be done? Smith GW. **Ann Surg** 1987 Jan; 53(1):1–5

Men of their time. Gray DE. **Kans Med** 1987 Jan;88(1):21–2

POLLEN

Modification of bronchial hyperreactivity during pollen season in children allergic to grass. Barbato A, et al. **Ann Allergy** 1987 Feb;58(2):121–4

An attempt to prevent anaphylaxis by aerosolized antigen in guinea pigs. Rebhun J, et al. **Ann Allergy** 1987 Feb; 58(2):142–7

Prosopis juliflora pollen allergen induced hypersensitivity and anaphylaxis studies in guinea pigs. Thakur IS. **Biochem Int** 1986 Nov;13(5):915–25

A crystalline lipid phase in a dry biological system: evidence from X–ray diffraction analysis of Typha latifolia pollen. Caffrey M, et al. **Biochim Biophys Acta** 1987 Sep 4; 921(1):124–34

Effect of the pollen season on nasal mast cells. Viegas M, et al. **Br Med J** 1987 Feb 14;294(6569):414

Effect of the pollen season on the nasal mast cells [letter] Drake–Lee AB, et al. **Br Med J [Clin Res]** 1987 Apr 11; 294(6577):971

Developmental strategies of the angiosperm pollen: a biochemical perspective. Raghavan V. **Cell Differ** 1987 Sep; 21(4):213–26 (68 ref.)

Watermelon and ragweed share allergens. Enberg RN, et al. **J Allergy Clin Immunol** 1987 Jun;79(6):867–75

Pollen studies in a hospital air–conditioned room. Chafee FH. **New Engl Reg Allergy Proc** 1985 Spring;6(2):150–2

Why? Polymerized ragweed is safe and effective [editorial] Patterson R, et al. **New Engl Reg Allergy Proc** 1985 Fall; 6(4):379–80

[Pollen extracts in the defense mechanisms of recurrent respiratory infections in children] Cogliati C, et al. **Minerva Pediatr** 1987 Apr 15;39(7):257–62 (Eng. Abstr.) **(Ita)**

[Serological study on apple pollinosis—with special reference to aspect of specific IgE antibody measured by radioallergosorbent test (RAST)] Nagai M. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):71–9 (Eng. Abstr.) **(Jpn)**

[Possible use of pollen in the treatment of ocular diseases] Popescu MP, et al. **Rev Chir [Oftalmol]** 1987 Apr–Jun; 31(2):131–6 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

Suppression of murine IgE responses with amino acid polymer/allergen conjugates. IV. Suppressive activities in established IgE model systems. Moran DM, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):357–62

ADVERSE EFFECTS

The safety and activity of polymerized ragweed: a double–blind, placebo–controlled trial in 81 patients with ragweed rhinitis. Grammer LC, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):177–83

A study of allergy skin tests with Korean pollen extracts. Kim YL, et al. **Yonsei Med J** 1987;28(2):112–8

ANALYSIS

A comparison of two grass pollen extracts in the treatment of hay fever. Horak F, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):59–64

Pyrolysis–mass spectrometry methodology applied to southeast Asian environmental samples for differentiating digested and undigested pollens. DeLuca SJ, et al. **Anal Chem** 1986 Oct;58(12):2439–42

Australian pine (Casuarina equisetifolia) pollen as an aeroallergen. Bucholtz GA, et al. **Ann Allergy** 1987 Jul; 59(1):52–6

Circadian periodicity of grass pollen. Mullins J, et al. **Ann Allergy** 1986 Nov;57(5):371–4

Survey of airborne pollen and fungal spores at Dehra Dun, India. Singh BP, et al. **Ann Allergy** 1987 Sep;59(3):229–34

Factors governing the flow cytometric analysis and sorting of large biological particles. Harkins KR, et al. **Cytometry** 1987 Jan;8(1):60–70

Concentration ratios of natural U for cattail pollen. Amiro BD, et al. **Health Phys** 1987 Feb;52(2):233–5

A re–examination of ryegrass (Lolium perenne) pollen allergens. Ford SA, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):193–203

Survey of air–borne allergic pollens in North China: contamination with ragweed. Li WK, et al. **New Engl Reg Allergy Proc** 1986 Mar–Apr;7(2):134–43

Inhibition of thiobarbituric acid reactive products in rat liver homogenate by extracts from pollen grains. Poovaiah BP, et al. **Proc West Pharmacol Soc** 1987;30:67–9

[Isolation and partial characterization of allergen from Bermuda grass pollen] Su SN, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Nov;19(4):263–75 (Eng. Abstr.) **(Chi)**

[Preliminary study of the substances of antioxidation and their property in pollens] Zhao F. **Chung Yao Tung Pao** 1986 Aug;11(8):45–6 **(Chi)**

[Airborne allergenic pollens in the southern area of Chengdu] Long RZ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar;17(1):60–2 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of the flavonoids from the pollen of Typha angustfolia L. (puhuang)] Jia SS, et al. **Yao Hsueh Hsueh Pao** 1986 Jun;21(6):441–6 (Eng. Abstr.) **(Chi)**

[Atmospheric pollen counts of Cryptomeria japonica and sugi pollinosis in the San–in area] Ishizu Y. **Arerugi** 1987 Feb; 36(2):61–71 (Eng. Abstr.) **(Jpn)**

[Relationship between meteorological factors and pollen counts of Cryptomeria japonica and Cupressaceae in Sakado city] Yasuda K, et al. **Arerugi** 1986 Jun;35(6):409–14 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[Allergy to pollen] Leimgruber A. **Rev Med Suisse Romande** 1986 Oct;106(10):875–8 **(Fre)**

ENZYMOLOGY

Changes of serum histaminase activity in pollinosis. Hisamatsu K, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S81–4

IMMUNOLOGY

Sensitivity to Parietaria officinalis and Parietaria judaica pollen allergens in a Spanish population. Dreborg S, et al. **Allergol Immunopathol (Madr)** 1986 Nov–Dec; 14(6):499–508

Cross–reactivity among birch pollen, vegetables and fruits as detected by IgE antibodies is due to at least three distinct cross–reactive structures. Calkhoven PG, et al. **Allergy** 1987 Jul;42(5):382–90

Allergy induced by Parietaria officinalis pollen in southern Croatia. Cvitanović S, et al. **Allergy** 1986 Sep;41(7):543–5

Tree pollen allergy. III. Cross reactions based on results from skin prick tests and the RAST in hay fever patients. A multi–centre study. Eriksson NE, et al. **Allergy** 1987 Apr; 42(3):205–14

Timothy–specific IgG antibody levels vary with the pollen seasons. Nordvall SL, et al. **Allergy** 1986 Nov;41(8):575–80

Birch pollen asthma in The Netherlands. Oei HD, et al. **Allergy** 1986 Aug;41(6):435–41

Clinical history, skin prick test and RAST in the diagnosis of birch and timothy pollinosis. Petersson G, et al. **Allergy** 1986 Aug;41(6):398–407

Methodological aspects of nasal allergen challenges based on a three–year tree pollen immunotherapy study. Wihl JA. **Allergy** 1986 Jul;41(5):357–64

Behavior and clinical relevance of histamine and leukotrienes C4 and B4 in grass pollen–induced rhinitis. Miadonna A, et al. **Am Rev Respir Dis** 1987 Aug;136(2):357–62

Mediator release after nasal airway challenge with allergen [letter] Naclerio RM, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1102

Clinical evaluation of the human basophil degranulation test in grass pollen allergic patients. Aoki H, et al. **Ann Allergy** 1986 Nov;57(5):319–20

The precision of intracutaneous skin test with timothy pollen allergen preparation using two different techniques. Dreborg S, et al. **Ann Allergy** 1987 Jan;58(1):33–5

Positive skin tests to fern spore extracts in atopic patients. Geller–Bernstein C, et al. **Ann Allergy** 1987 Feb;58(2):125–7

Cross–reactivity among five major pollen allergens. González RM, et al. **Ann Allergy** 1987 Aug;59(2):149–54

Studies of prevalence of Japanese cedar pollinosis among the residents in a densely cultivated area. Ishizaki T, et al. **Ann Allergy** 1987 Apr;58(4):265–70

Allergenic activity of short ragweed pollen (Ambrosia elatior) from different years and/or suppliers: criteria for the selection of an in–house allergen reference preparation. Maasch HJ, et al. **Ann Allergy** 1987 Jun;58(6):429–34

Comparative studies on tree pollen allergens. XVII. Immunochemical analysis of the international standardization extracts of birch (Betula verrucosa) pollen as compared with a local partially purified extract. Vik H, et al. **Ann Allergy** 1987 Jan;58(1):71–7

Prosopis juliflora pollen allergen–induced changes in the hypothalamic electroencephalographic and acetylcholinesterase activity in the rat. Sharma JD, et al. **Ann NY Acad Sci** 1987;496:419–25

Fractionation and immunochemical characterization of Prosopis juliflora pollen allergen. Thakur IS. **Biochem Int** 1986 Dec;13(6):951–60

Positive skin tests to pollen extracts of four species of Pistacia in Israel. Keynan N, et al. **Clin Allergy** 1987 May; 17(3):243–9

Anti–idiotypes to anti–Lolp I (Rye) antibodies in allergic and non–allergic individuals. Influence of immunotherapy. Bose R, et al. **Clin Exp Immunol** 1986 Oct;66(1):231–40

Standardization of modified allergens using polymerized ragweed as a model system. Grammer LC, et al. **Clin Rev Allergy** 1987 Feb;5(1):107–16 (26 ref.)

Production and characterization of mouse monoclonal antibodies to allergenic epitopes on LolpI (Rye I). Bose R, et al. **Immunology** 1986 Oct;59(2):309–15

Immunocytochemical mapping of IgE/IgG binding sites within the birch pollen grain using serum from a patient undergoing hyposensitization therapy. Comparison with biochemically determined data. Grote M, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):147–52

Glycoprotein allergens in pollen of timothy. III. Immunochemical and biological properties of a basic glycoprotein. Haavik S, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):182–9

Glycoprotein allergens in pollen of timothy. V. Significance of the carbohydrate moiety for the immunological activity of a basic glycoprotein allergen. Haavik S, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):231–7

Glycoprotein allergens in pollen of timothy. IV. Structural studies of a basic glycoprotein allergen. Haavik S, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):225–30

Oral hyposensitisation with enteric–coated allergens as extension therapy following a basic subcutaneous course of injections. Horak F, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):74–8

Analysis by electrophoretic transfer blotting of Japanese cedar pollen allergens which react with IgG and IgE antibodies in the serum of patients. Ito Y, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):174–9

Comparative studies on tree pollen allergens. XI. Trials on the regulation of IgE response in mice using modified birch pollen allergens. Vik H, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):315–21

Immunogenicity in guinea pigs and tolerance in grass pollen–sensitive volunteers of enteric–coated grass pollen allergens. Wheeler AW, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):354–8

T cell reactivity of conjugates of N–formyl–methionyl–leucyl–phenylalanine and rye–grass pollen allergens. Wheeler AW, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):69–73

An investigation of human immune response to perennial ryegrass (Lolium perenne) pollen cytochrome c (Lol p X). Ansari AA, et al. **J Allergy Clin Immunol** 1987 Aug; 80(2):229–35

The preparation and testing of the proposed International Reference (IRP) Bermuda grass (Cynodon dactylon)–pollen extract. Baer H, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):624–31

Cross–reactive and unique grass group I antigenic determinants defined by monoclonal antibodies. Esch RE, et al. **J Allergy Clin Immunol** 1987 Mar;79(3):489–95

A study of the human immune response to Lolium perenne (rye) pollen and its components, Lol p I and Lol p II (rye I and rye II). I. Prevalence of reactivity to the allergens and correlations among skin test, IgE antibody, and IgG antibody data. Freidhoff LR, et al. **J Allergy Clin Immunol** 1986 Dec;78(6):1190–201

A double–blind placebo–controlled trial of polymerized whole grass administered in an accelerated dosage schedule for immunotherapy of grass pollinosis. Grammer LC, et al. **J Allergy Clin Immunol** 1986 Dec;78(6):1180–4

Isotypic and antigenic restriction of the blocking antibody response to ryegrass pollen: correlation of rye group I antigen–specific IgG1 with clinical response. Moss RB, et al. **J Allergy Clin Immunol** 1987 Feb;79(2):387–98

Seasonal variation in dust mite and grass–pollen allergens

in dust from the houses of patients with asthma. Platts-Mills TA, et al. **J Allergy Clin Immunol** 1987 May;79(5):781–91

Immunologic and nonimmunologic responsiveness in ragweed-sensitized dogs. Mapp C, et al. **J Appl Physiol** 1986 Oct;61(4):1467–74

Cross-reactivity of birch anthers and leaves with birch pollen antigens and allergens. A fine-structural immunocytochemical study using the post-embedding protein-A-gold technique. Grote M, et al. **J Histochem Cytochem** 1986 Nov;34(11):1459–64

Recognition of a site of a Kentucky bluegrass pollen allergen by antibodies in the sera of allergic and non-atopic humans and a murine monoclonal antibody. Ekramoddoullah AK, et al. **J Immunol** 1987 Mar 15;138(6):1739–43

HLA-linked nonresponsiveness to Cryptomeria japonica pollen antigen. I. Nonresponsiveness is mediated by antigen-specific suppressor T cell. Matsushita S, et al. **J Immunol** 1987 Jan 1;138(1):109–15

IgE antibody responses against Japanese cedar pollen in the mouse. Tamura S, et al. **Microbiol Immunol** 1986; 30(9):883–91

Identification of IgE binding polypeptides cross-reactive with the Parietaria judaica main allergenic polypeptide. Corbi AL, et al. **Mol Immunol** 1986 Dec;23(12):1357–63

Monoclonal antibodies to the major Lolium perenne (rye grass) pollen allergen Lol p I (Rye I). Kahn CR, et al. **Mol Immunol** 1986 Dec;23(12):1281–8

Low molecular weight allergens of the pollen of Parietaria officinalis. Ruffilli A, et al. **Mol Immunol** 1987 Mar; 24(3):305–12

Anti-ragweed-specific anti-idiotypic antibodies in nonatopic and atopic subjects. Castracane JM, et al. **Trans Assoc Am Physicians** 1985;98:123–30

[Sensitization to food allergens in patients with hypersensitivity to tree pollens (letter)] Adessi B, et al. **Presse Med** 1986 Dec 20;15(45):2255 **(Fre)**

[Results of skin tests with pollen extracts of fruit trees in patients with pollen allergy] Döring HF, et al. **Z Hautkr** 1987 Feb 1;62(3):189–95 (Eng. Abstr.) **(Ger)**

[Is the diagnostic differentiation between Parietaria officinalis and Parietaria judaica important for the specific immunotherapy?] Cambri S, et al. **Clin Ter** 1986 Nov 30; 119(4):269–73 (Eng. Abstr.) **(Ita)**

[Experimental histological study on allergic conjunctivitis due to Japanese cedar pollen] Ishizaki M. **Arerugi** 1986 Dec;35(12):1149–57 (Eng. Abstr.) **(Jpn)**

[A study on the relation between Japanese cedar IgE in the serum of school children and the housing environment] Osaka F, et al. **Arerugi** 1987 Feb;36(2):72–80 (Eng. Abstr.) **(Jpn)**

[The feedback mechanism of histamine in cedar pollinosis—discussion in comparison with the rates in season and out of season] Baba K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):1064–9 (Eng. Abstr.) **(Jpn)**

[Studies on cherry pollinosis—clinical and immunological studies on cherry pollinosis first reported] Iwao H. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Sep;89(9):1217–30 (Eng. Abstr.) **(Jpn)**

[Four years study on Japanese cedar, orchard grass and ragweed pollinosis in Yotsukaido City—radioallergosorbent test (RAST) results of 361 patients] Shimada T. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jul;89(7):864–71 (Eng. Abstr.) **(Jpn)**

[Allergic pollen-induced myocarditis] Peredkova EV, et al. **Ter Arkh** 1986;58(10):56–8 (Eng. Abstr.) **(Rus)**

[Lymphocyte subpopulations in sensitization and specific immunotherapy in an experiment. Lymphocyte subpopulations in the specific immunotherapy of microbial allergy and subsequent heterologous pollen sensitization] Nugmanova DS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):53–7 (Eng. Abstr.) **(Rus)**

[Lymphocyte subpopulations in sensitization and specific immunotherapy in an experiment. Lymphocyte subpopulations in sensitization to staphylococci, Artemisia pollen and their combinations] Nugmanova ZhS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):48–53 (Eng. Abstr.) **(Rus)**

[Formation of pollen-induced allergy in guinea pigs after specific immunotherapy with a bacterial allergen] Sukhodoeva GS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):75–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Lymphocyte proliferation to antigen E: demonstration of the restriction of antigen E-specific T cells to ragweed-allergic donors. Phillips L, et al. **J Allergy Clin Immunol** 1987 Jun; 79(6):933–40

THERAPEUTIC USE

Effect of pollen extract on the development of experimental atherosclerosis in rabbits. Wójcicki J, et al. **Atherosclerosis** 1986 Oct;62(1):39–45

ULTRASTRUCTURE

A method for staining pollen tubes in pistil. Alexander MP. **Stain Technol** 1987 Mar;62(2):107–12

Use of vital dyes in conjunction with the semivitro technic for the detection of pollen tube sperm nuclei. Mulcahy GB, et al. **Stain Technol** 1986 Nov;61(6):382–3

POLONIUM

Comment on 'An epidemiological analysis of the relationship between exposure to Rn progeny, smoking and bronchogenic carcinoma' [letter] Watson JE Jr. **Health Phys** 1987 Apr;52(4):497

ADVERSE EFFECTS

Lung cancer risk from indoor exposures to radon daughters. **Ann ICRP** 1987;17(1):1–60

ANALYSIS

Optimizing the gross alpha counting method for determining Rn progeny levels in the atmosphere. Rangarajan C, et al. **Health Phys** 1987 Apr;52(4):469–71

An integrating thermoluminescent Rn daughter personal dosimeter. Solomon SB, et al. **Health Phys** 1987 Feb; 52(2):143–8

Some measurements of the equilibrium factor for 222Rn daughters in houses. Toohey RE, et al. **Health Phys** 1987 Jul;53(1):89–91

Tobacco's radiation: its sources and potential hazards. Rahman SM, et al. **Ohio Med** 1987 Feb;83(2):113–6

The ratio of lead-210 to polonium-210 in U.K. diet. Smith-Briggs JL, et al. **Sci Total Environ** 1986 Oct; 54:127–33

POLOXALENE see under **POLYETHYLENE GLYCOLS**

POLY A

Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron-porphyrins. Le Doan T, et al. **Biochemistry** 1986 Nov 4;25(22):6736–9

Reactions of nucleic acid bases with alpha-acetylenic esters. Chemical modification of poly(A) and poly(C). Roques P, et al. **Eur J Biochem** 1987 Aug 17;167(1):103–9

Interaction of puromycin and puromycin aminonucleoside with poly (A)—a proton magnetic resonance investigation. Dhingra MM, et al. **Indian J Biochem Biophys** 1986 Dec; 23(6):316–21

Quenching of polyadenylic acid emission by divalent metal ions at room temperature. Kobayashi S, et al. **Nucleic Acids Symp Ser** 1986;(17):215–8

Photoacoustic spectra of some biological molecules between 300 and 130 nm. Inagaki T, et al. **Photochem Photobiol** 1986 Sep;44(3):303–6

Formation of the triple-stranded polynucleotide helix, poly(A.A.U). Broitman SL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5120–4

ANALYSIS

Dideoxy sequencing of double-stranded DNA from poly(A)-extended 3'-ends. Stallard RL, et al. **Anal Biochem** 1987 Apr;162(1):197–201

Molecular cloning of human angiotensinogen cDNA and evidence for the presence of its mRNA in rat heart. Kunapuli SP, et al. **Circ Res** 1987 May;60(5):786–90

Polyploidization and localisation of poly(A)+ RNA in the different cell types of the vitellogenic meroistic ovary of the fleshfly, Sarcophaga bullata. Cardoen J, et al. **Histochemistry** 1986;85(4):305–12

Histological aspects of in situ hybridization. Detection of poly(A) nucleotide sequences in mouse liver sections as a model system. Jilbert AR, et al. **Histochemistry** 1986; 85(6):505–14

Messenger ribonucleic acid for the lipoprotein of the Escherichia coli outer membrane is polyadenylated. Taljanidisz J, et al. **J Mol Biol** 1987 Feb 5;193(3):507–15

Occurrence and sequence complexity of polyadenylated RNA in squid axoplasm. Capano CP, et al. **J Neurochem** 1987 Sep;49(3):698–704

Poliovirus snapback double-stranded RNA isolated from infected HeLa cells is deficient in poly(A). Richards OC, et al. **J Virol** 1987 Jul;61(7):2307–10

Products of in vitro cleavage and polyadenylation of simian virus 40 late pre-mRNAs. Sheets MD, et al. **Mol Cell Biol** 1987 Apr;7(4):1518–29

Fine-structure analysis of the processing and polyadenylation region of the herpes simplex virus type 1 thymidine kinase gene by using linker scanning, internal deletion, and insertion mutations. Zhang F, et al. **Mol Cell Biol** 1986 Dec;6(12):4611–23

Characteristics of poly(A)-containing RNA from liver mitochondria of normal and adrenalectomized rats. Minchenko AG. **Neurosci Behav Physiol** 1986 Jul-Aug; 16(4):291–5

The repressor sequence upstream of c-mos acts neither as polyadenylation site nor as transcription termination region. van der Hoorn FA, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8771–83

[The structure of small polyadenylated B2-RNA] Tillib SV, et al. **Mol Biol (Mosk)** 1986 Nov-Dec;20(6):1593–603 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Transcriptional induction of cellular gene expression during lytic infection with herpes simplex virus. Kemp LM, et al. **Biosci Rep** 1986 Nov;6(11):945–51

Estrogen induction of sexual behavior in female rats and synthesis of polyadenylated messenger RNA in the ventromedial nucleus of the hypothalamus. Yahr P, et al. **Brain Res** 1986 Nov;387(2):153–65

Evidence for the discrete synthesis of poly A+ RNA and new polypeptides in gamma-irradiated potato bud tissue in comparison with wounding-induced synthesis. Ussuf KK, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):162–6

Synthesis of poly(A)+-containing RNA during growth in Escherichia coli relA+ and relA- strains. Hanschke R, et al. **J Basic Microbiol** 1986;26(6):317–22

Differential control of mRNA levels for Thy-1 antigen and laminin in rat mammary epithelial and myoepithelial-like cells. Barraclough R, et al. **J Cell Physiol** 1987 Jun; 131(3):393–401

Regulation of lymphokine production and human T lymphocyte activation by 1,25-dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659–64

Tissue-specific expression of human provirus ERV3 mRNA in human placenta: two of the three ERV3 mRNAs contain human cellular sequences. Kato N, et al. **J Virol** 1987 Jul; 61(7):2182–91

Poly-A+ mRNA and defeminization of sexual behavior and gonadotropin secretion in rats. Ulibarri C, et al. **Physiol Behav** 1987;39(6):767–74

GENETICS

A direct evidence for the involvement of poly(A) in protein synthesis. Rubin HN, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):649–56

Messenger RNA from insect nervous tissue induces expression of neuronal acetylcholine receptors in Xenopus oocytes. Breer H, et al. **Brain Res** 1986 Nov;387(2):111–7

Discontinuous transcription or RNA processing of vaccinia virus late messengers results in a 5'poly(A) leader. Schwer B, et al. **Cell** 1987 Jul 17;50(2):163–9

Translation of mouse testis poly(A)+ mRNAs for testis-specific protein, protamine 1, and the precursor for protamine 2. Kleene KC, et al. **Dev Biol** 1987 Sep; 123(1):125–35

Sequences capable of restoring poly(A) site function define two distinct downstream elements. McDevitt MA, et al. **EMBO J** 1986 Nov;5(11):2907–13

Analysis of RNA cleavage at the adenovirus-2 L3 polyadenylation site. Moore CL, et al. **EMBO J** 1986 Aug; 5(8):1929–38

Two Drosophila chorion genes terminate transcription in discrete regions near their poly(A) sites. Osheim YN, et al. **EMBO J** 1986 Dec 20;5(13):3591–6

Alpha-thalassaemia caused by a poly(A) site mutation reveals that transcriptional termination is linked to 3' end processing in the human alpha 2 globin gene. Whitelaw E, et al. **EMBO J** 1986 Nov;5(11):2915–22

Cloning of Alu-containing cDNAs from human fibroblasts and identification of small Alu+ poly(A)+ RNAs in a variety of human normal and tumor cells. Limborska SA, et al. **FEBS Lett** 1987 Feb 23;212(2):208–12

Oestrogen-induced expression of oncogenes in the immature rat uterus. Travers MT, et al. **FEBS Lett** 1987 Jan 19; 211(1):27–30

Lack of synthesis of pentamer IgM in Xenopus oocytes after injection of poly(A)+ RNA from hybridoma cells. Lipoldová M, et al. **Folia Biol (Praha)** 1987;33(2):81–6

Construction of a cDNA library from polyadenylated RNA of Bacillus subtilis and the determination of some 3'-terminal sequences. Karnik P, et al. **Gene** 1986; 49(1):161–5

Hybridization and partial cDNA sequence analyses of bovine lung angiotensin I-converting enzyme. Deluca-Flaherty C, et al. **Int J Pept Protein Res** 1987 Jun;29(6):678–84

Identification of the primary translation product of atrial natriuretic peptide receptor mRNA in a cell-free system using anti-receptor antiserum. Uchida K, et al. **J Biol Chem** 1987 Sep 15;262(26):12401–2

Rat brain 5-HT1C receptors are encoded by a 5–6 kbase mRNA size class and are functionally expressed in injected Xenopus oocytes. Lübbert H, et al. **J Neurosci** 1987 Apr; 7(4):1159–65

Promoters and processing sites within the transforming region of bovine papillomavirus type 1. Ahola H, et al. **J Virol** 1987 Jul;61(7):2240–4

Sequence complexity of polyadenylate ribonucleic acid in El mouse brain. Hirayama E, et al. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):361–5

Nonmuscle and muscle tropomyosin isoforms are expressed from a single gene by alternative RNA splicing and polyadenylation. Helfman DM, et al. **Mol Cell Biol** 1986 Nov;6(11):3582–95

Sequences near the 3' secretion-specific polyadenylation site influence levels of secretion-specific and membrane-specific IgG2b mRNA in myeloma cells. Kobrin BJ, et al. **Mol Cell Biol** 1986 May;6(5):1687–97

Regulation of insulin mRNA abundance and adenylation: dependence on hormones and matrix substrata. Muschel R, et al. **Mol Cell Biol** 1986 Jan;6(1):337–41

A novel RNA in which the 5' end is generated by cleavage at the poly(A) site of immunoglobulin heavy-chain secreted mRNA. Rogers J, et al. **Mol Cell Biol** 1986 Dec; 6(12):4749–52

4.5S RNA is encoded by hundreds of tandemly linked genes, has a short half-life, and is hydrogen bonded in vivo to

poly(A)-terminated RNAs in the cytoplasm of cultured mouse cells. Schoeniger LO, et al. **Mol Cell Biol** 1986 May; 6(5):1508–19

Nearly identical members of the heterogeneous IAP gene family are expressed in thymus of different mouse strains. Grossman Z, et al. **Nucleic Acids Res** 1987 May 11; 15(9):3823–34

Polyadenylation at a cryptic site in the pBR322 portion of pSV2-neo: prevention of its utilization by the SV40 late poly(A) signal. Kessler MM, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):631–42

Messenger RNA stability in Saccharomyces cerevisiae: the influence of translation and poly(A) tail length. Santiago TC, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2417–29

A procedure for selective full length cDNA cloning of specific RNA species. Schmid A, et al. **Nucleic Acids Res** 1987 May 26;15(10):3987–96

A chimeric mouse histone H4 gene containing either an intron or poly(A) addition signal behaves like a basal histone. Seiler-Tuyns A, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8845–62

Increased rates of decay and reduced levels of accumulation of the major poly(A)-associated proteins of Dictyostelium during heat shock and development. Manrow RE, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1858–62

Regulated production of mu m and mu s mRNA requires linkage of the poly(A) addition sites and is dependent on the length of the mu s-mu m intron. Peterson ML, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8883–7

Identification of the major cottontail rabbit papillomavirus late RNA cap site and mapping and quantitation of an E2 and minor E6 coding mRNA in papillomas and carcinomas. Wettstein FO, et al. **Virology** 1987 Aug;159(2):321–8

[Increased content of nucleotide sequences in transcriptionally active DNA and poly(A)+-mRNA of the rat liver and a rise in its translation activity as affected by inducers] Dashkevich VS, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):745–8 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Selective enrichment of specific DNA, cDNA and RNA sequences using biotinylated probes, avidin and copper-chelate agarose. Welcher AA, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10027–44

METABOLISM

Differential changes of nuclear-envelope-associated enzyme activities involved in nucleocytoplasmic mRNA transport in the developing rat brain and liver. Schröder HC, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):108–18

Messenger RNA content and complexity in normal and overloaded rat heart. de la Bastie D, et al. **Eur J Clin Invest** 1987 Jun;17(3):194–201

Two regions downstream of AATAAA in the human antithrombin III gene are important for cleavage-polyadenylation. Prochownik EV, et al. **J Biol Chem** 1987 Jul 5;262(19):9004–10

Interaction of rat testis protein, TP, with nucleic acids in vitro. Fluorescence quenching, UV absorption, and thermal denaturation studies. Singh J, et al. **J Biol Chem** 1987 Jan 15;262(2):734–40

Decreased transcription of neuronal polyadenylated RNA during senescence in nuclei from rat brain cortex. Lindholm DB. **J Neurochem** 1986 Nov;47(5):1503–6

Adenovirus proteins associated with mRNA and hnRNA in infected HeLa cells. Adam SA, et al. **J Virol** 1987 Oct; 61(10):3276–83

DNA sequences downstream of the adenovirus type 2 fiber polyadenylation site contain transcription termination signals. Dresler GR, et al. **J Virol** 1987 Sep;61(9):2770–6

Increase in the levels of activity of polyadenylic acid-metabolizing enzymes following phytohaemagglutinin stimulation of human lymphocytes. Courtis NC, et al. **Mol Cell Biochem** 1987 May;75(1):33–42

Requirements for accurate and efficient mRNA 3' end cleavage and polyadenylation of a simian virus 40 early pre-RNA in vitro. Ryner LC, et al. **Mol Cell Biol** 1987 Jan;7(1):495–503

In vitro cleavage of the simian virus 40 early polyadenylation site adjacent to a required downstream TG sequence. Sperry AO, et al. **Mol Cell Biol** 1986 Dec;6(12):4734–41

The AAUAAA sequence is required both for cleavage and for polyadenylation of simian virus 40 pre-mRNA in vitro. Zarkower D, et al. **Mol Cell Biol** 1986 Jul;6(7):2317–23

Translational regulation in rat brain hemispheres. Tewari S, et al. **Neurochem Res** 1987 Feb;12(2):179–88

Total and poly(A) RNA yields during an aluminum encephalopathy in rabbit brains. VanBerkum MF, et al. **Neurochem Res** 1986 Sep;11(9):1347–59

Alpha-DNA. IV: Alpha-anomeric and beta-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding. Gautier C, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6625–41

Phosphorylation of a 60 kDa polypeptide from Xenopus oocytes blocks messenger RNA translation. Kick D, et al. **Nucleic Acids Res** 1987 May 26;15(10):4099–109

Polyadenylylation of an mRNA precursor occurs independently of transcription by RNA polymerase II in vivo. Lewis ED, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8555–9

PHARMACODYNAMICS

Short-term rescue by RNA injection of a mitotic arrest mutation that affects the preimplantation mouse embryo. Yee D, et al. **Dev Biol** 1987 Jul;122(1):256–61

Neurotensin and acetylcholine evoke common responses in frog oocytes injected with rat brain messenger ribonucleic acid. Hirono C, et al. **J Physiol (Lond)** 1987 Jan;382:523–35

PHYSIOLOGY

Translation of messenger RNA of pig kidney D-amino acid oxidase in a cell-free system. Inagaki T, et al. **Biochem Int** 1986 Dec;13(6):1045–50

Inositol phosphate formation and chloride current responses induced by acetylcholine and serotonin through GTP-binding proteins in Xenopus oocyte after injection of rat brain messenger RNA. Nomura Y, et al. **Brain Res** 1987 Jul;388(2):113–23

RADIATION EFFECTS

Interaction of nitroaromatic radiosensitizers with irradiated polyadenylic acid as measured by an indirect immunochemical assay with specificity for the 8,5'-cycloadenosine moiety. Fuciarelli AF, et al. **Int J Radiat Biol** 1987 Apr;51(4):629–39

Intramolecular cyclization in irradiated nucleic acids: correlation between high-performance liquid chromatography and an immunochemical assay for 8,5'-cycloadenosine in irradiated poly(A). Fuciarelli AF, et al. **Radiat Res** 1987 Apr;110(1):35–44

POLY A POLYMERASE see under **NUCLEOTIDYLTRANSFERASES**

POLY A-U

PHARMACODYNAMICS

Synergistic action of human recombinant tumor necrosis factor with endotoxins or nontoxic poly A:U against solid Meth A tumors in mice. Bloksma N, et al. **Cancer Immunol Immunother** 1987;24(2):165–71

THERAPEUTIC USE

Adjuvant treatment of operable stomach cancer with polyadenylic.polyuridylic acid in addition to chemotherapeutic agents. Differential effect on natural killer cell and antibody-dependent cellular cytotoxicity. Youn JK, et al. **Int J Immunopharmacol** 1987;9(3):313–24

POLY ADENOSINE DIPHOSPHATE RIBOSE see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

POLY ADP RIBOSE POLYMERASE

ANTAGONISTS & INHIBITORS

Suppression of nuclear ADP-ribosyltransferase activity in Ehrlich ascites tumor cells by 5-azacytidine and its analogs. Hoshino J, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):468–74

Inhibition of poly(ADP-ribose) synthetase potentiates cell dacarbazine cytotoxicity. Lönn U, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1089–94

Cell cycle-dependent potentiation of X-ray-induced chromosomal aberrations by 3-aminobenzamide. Wiencke JK, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):372–6

Covalent binding of 4-carbamoylbenzenediazonium chloride to deoxyguanine bases of DNA resulting in apparent irreversible inhibition of poly(adenosine diphosphoribose) polymerase at the nicotinamide binding site. McLick J, et al. **Biochemistry** 1987 Apr 21;26(8):2226–31

Suppression of nuclear ADP-ribosyltransferase activity in regenerating rat liver by 5-azacytidine and its relevance to the nuclear methylating activities. Hoshino J, et al. **Cancer Lett** 1987 Jun;35(3):245–51

Effect of poly(ADP-ribose) synthetase inhibitor administration to streptozotocin-induced diabetic rats on insulin and glucagon contents in their pancreas. Shima K, et al. **Diabetes Res Clin Pract** 1987 May-Jun;3(3):135–42

PolyADP ribosylation and Friend erythroleukemic-cell differentiation: action of poly(ADP-ribose) polymerase inhibitors. Brac T, et al. **Differentiation** 1987;34(2):139–43

Protection by thymidine, an inhibitor of polyadenosine diphosphate ribosylation, of streptozotocin inhibition of insulin secretion. Bolaffi JL, et al. **Endocrinology** 1987 May; 120(5):2117–22

Radiation damage repair capacity of a human germ-cell tumour cell line: inhibition by 3-aminobenzamide. Kelland LR, et al. **Int J Radiat Biol** 1987 Feb;51(2):227–41

The response of murine stem spermatogonia to radiation combined with 3-aminobenzamide. Schlappack OK, et al. **Int J Radiat Biol** 1987 Jul;52(1):7–19

Differential radiosensitization of human tumour cells by 3-aminobenzamide and benzamide: inhibitors of poly(ADP-ribosylation). Thraves PJ, et al. **Int J Radiat Biol** 1986 Dec;50(6):961–72

Inhibition of ADP-ribosylation of histone H1 by analogs of diadenosine 5',5'''-p1,p4-tetraphosphate. Suzuki H, et al. **Mol Cell Biochem** 1987 Mar;74(1):17–20

Cytological characterization of Chinese hamster ovary X-ray-sensitive mutant cells, xrs 5 and xrs 6. II. Induction of sister-chromatid exchanges and chromosomal aberrations by X-rays and UV-irradiation and their modulation by inhibitors of poly(ADP-ribose) synthetase and alpha-polymerase. Darroudi F, et al. **Mutat Res** 1987 Mar;177(1):149–60

Induction of B-cell differentiation antigens in interferon- or phorbol ester-treated Daudi cells is impaired by inhibitors of ADP-ribosyltransferase. Exley R, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6467–70

Prevention of tumorigenesis of oncogene-transformed rat fibroblasts with DNA site inhibitors of poly(ADP ribose) polymerase [published erratum appears in Proc Natl Acad Sci USA 1987 May;84(9):3037] Tseng A Jr, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1107–11

Enhancement of cytogenetic damage by inhibitors of poly(ADP-ribose)polymerase in human lymphocytes exposed to antineoplastics in vivo and in vitro. Mourelatos D, et al. **Teratogenesis Carcinog Mutagen** 1986;6(6):485–92

BIOSYNTHESIS

Clostridium botulinum type C produces a novel ADP-ribosyltransferase distinct from botulinum C2 toxin. Aktories K, et al. **FEBS Lett** 1987 Feb 9;212(1):109–13

GENETICS

Molecular cloning of cDNA for human poly(ADP-ribose) polymerase and expression of its gene during HL-60 cell differentiation. Suzuki H, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):403–9

Cloning and expression of cDNA for human poly(ADP-ribose) polymerase [published erratum appears in Proc Natl Acad Sci USA 1987 Jun;84(12):4088] Alkhatib HM, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1224–8

IMMUNOLOGY

Human autoantibodies to poly(adenosine diphosphate-ribose) polymerase. Yamanaka H, et al. **J Clin Invest** 1987 Sep; 80(3):900–4

ISOLATION & PURIFICATION

Purification of Pseudomonas aeruginosa exoenzyme S. Woods DE, et al. **Infect Immun** 1987 Mar;55(3):579–86

Poly(ADP-ribose)synthetase from HeLa cell nuclei: purification and properties. Quesada P, et al. **Ital J Biochem** 1987 May-Jun;36(3):166–80

Purification and characterization of poly (ADP-ribose) synthetase from human placenta. Ushiro H, et al. **J Biol Chem** 1987 Feb 15;262(5):2352–7

METABOLISM

The domain structure and the function of poly(ADP-ribose) synthetase. Shizuta Y, et al. **Adv Enzyme Regul** 1986; 25:377–84

On the nature of cellular ADP-ribosyltransferase from rat liver specific for elongation factor 2. Sayhan O, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1210–4

Structure-activity analysis of the activation of pertussis toxin. Kaslow HR, et al. **Biochemistry** 1987 Jan 13;26(1):123–7

ADP-ribosyl transferase and NAD glycohydrolase activities in rat liver mitochondria. Masmoudi A, et al. **Biochemistry** 1987 Apr 7;26(7):1965–9

Benzamide-DNA interactions: deductions from binding, enzyme kinetics and from X-ray structural analysis of a 9-ethyladenine-benzamide adduct. McLick J, et al. **Biochim Biophys Acta** 1987 Jun 6;909(1):71–83

Glucocorticoid stimulation of poly(ADP-ribose) synthetase in nuclei from chick embryo brain. Kitamura A, et al. **Bull Osaka Med Sch** 1985 Jul;31(1):28–41

Response of mammalian ADP-ribosyl transferase to lymphocyte stimulation, mutagen treatment and cell cycling. Scovassi AI, et al. **Carcinogenesis** 1987 Sep; 8(9):1295–300

ADP-ribosylation of platelet actin by botulinum C2 toxin. Aktories K, et al. **Eur J Biochem** 1986 Nov 17; 161(1):155–62

Cellular regulation of poly ADP-ribosylation of proteins. II. Augmentation of poly(ADP-ribose) polymerase in SV40 3T3 cells following methotrexate-induced G1/S inhibition of cell cycle progression. Soóki-Tóth A, et al. **Exp Cell Res** 1987 May;170(1):93–102

Catalytic activities of synthetic octadeoxyribonucleotides as coenzymes of poly(ADP-ribose) polymerase and the identification of a new enzyme inhibitory site. Hakam A, et al. **FEBS Lett** 1987 Feb 9;212(1):73–8

Enzymatic quantification of strand breaks of DNA induced by vacuum-UV radiation. Ito T, et al. **FEBS Lett** 1986 Sep 29;206(1):151–3

Influence of oxypangam upon the induction of tyrosine aminotransferase, the NAD content and the ADPR transferase activity in several organs of the rat. Kröger H, et al. **Gen Pharmacol** 1987;18(1):37–9

Molecular basis for the pathological actions of Clostridium perfringens iota toxin. Simpson LL, et al. **Infect Immun** 1987 Jan;55(1):118–22

Detection of adenosine diphosphate-ribosyl transferase activity in the filarial worm, Onchocerca volvulus. Nduka N, et al. **Mol Biochem Parasitol** 1987 May;24(1):97–101

A specific nuclear protein and poly(ADPribose)transferase activity in lizard oviduct during the reproductive cycle. Ciarcia G, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):235–41

The cell-cycle dependent and the DNA-damaging agent-induced changes of cellular NAD content and their significance. Dai YF, et al. **Mutat Res** 1987 May; 191(1):29–35

DNA repair in human promyelocytic cell line, HL-60. Farzaneh F, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3503–13

Enhancement of choleragen ADP-ribosyltransferase activities by guanyl nucleotides and a 19-kDa membrane protein. Tsai SC, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5139–42

Increased ionic strength: effects on DNA fragmentation and poly(ADP-ribose) polymerase activity in HeLa nuclei. Miller EG. **Proc Soc Exp Biol Med** 1986 Nov;183(2):221–6

Possible model of liver carcinogenesis using inhibitors of NAD+ ADP ribosyl transferase in rats. Konishi Y, et al. **Toxicol Pathol** 1986;14(4):483–8

[ADP ribosylation: knowledge and perspectives] Mandel P. **C R Soc Biol (Paris)** 1987;181(2):105–15 (75 ref.) (Eng. Abstr.) **(Fre)**

[(ADP-ribose)n-transferase activity of enterocyte nuclei during radiation injury of small intestine mucosa in rats] Trofimiak TB, et al. **Ukr Biokhim Zh** 1986 Sep-Oct; 58(5):43–9 (Eng. Abstr.) **(Rus)**

POLY ADP RIBOSE SYNTHETASE see **POLY ADP RIBOSE POLYMERASE**

POLY C see under **POLYRIBONUCLEOTIDES**

POLY DA-DT see under **POLYDEOXYRIBONUCLEOTIDES**

POLY G see under **POLYRIBONUCLEOTIDES**

POLY I see under **POLYRIBONUCLEOTIDES**

POLY I-C

Coupling of mitoxantrone to poly(I).poly(C) reduces absorption after intraperitoneal administration. Eichler HG, et al. **Chemotherapy** 1987;33(3):157–9

ADMINISTRATION & DOSAGE

Ranking of prophylactic efficacy of poly(ICLC) against Rift Valley fever virus infection in mice by incremental relative risk of death. Kende M, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1194–8

Interferon induction with polyinosinic:polycytidylic acid in the newborn piglet. Loewen KG, et al. **Can J Vet Res** 1986 Apr;50(2):232–7

ANTAGONISTS & INHIBITORS

The pyrogenic actions of the interferon-inducer, polyinosinic:polycytidylic acid are antagonised by ketoprofen. Rotondo D, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):257–60

Dexamethasone pre-treatment is antipyretic toward polyinosinic: polycytidylic acid, lipopolysaccharide and interleukin 1/endogenous pyrogen. Abul H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):305–9

BLOOD

Nucleic acid hybridization in plasma: method for the quantitation of poly(I).poly(C12, U) in plasma of cancer patients. Krueger LJ, et al. **J Biol Response Mod** 1986 Dec; 5(6):539–47

CHEMICAL SYNTHESIS

Preparation and assay of poly ICL-CM dextran, an interferon inducer of reduced toxicity. Bello J, et al. **Methods Enzymol** 1986;119:103–6

METABOLISM

Poly(I).poly(C), a potential drug carrier for the antitumor agent mitoxantrone: in vitro drug binding study. Eichler HG, et al. **Cancer Chemother Pharmacol** 1987;20(1):81–2

Requirement for endocytosis of poly(rI).poly(rC) to generate toxicity on interferon-treated LM cells. Milhaud PG, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1125–34

The binding of the benzimidazole dye H8208 to DNA and to polyinosinic-polycytidylic acid. Bardsley HJ, et al. **J Pharm Pharmacol** 1987 Mar;39(3):212–4

PHARMACODYNAMICS

Depression of cytochrome P-450 and alterations of protein metabolism in mice treated with the interferon inducer polyriboinosinic acid X polyribocytidylic acid. Gooderham NJ, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):418–25

Effects of swainsonine and polyinosinic:polycytidylic acid on murine tumor cell growth and metastasis. Dennis JW. **Cancer Res** 1986 Oct;46(10):5131–6

Interferon-beta gene regulation: tandemly repeated sequences of a synthetic 6 bp oligomer function as a virus-inducible enhancer. Fujita T, et al. **Cell** 1987 May 8;49(3):357–67

Interleukin 1 and poly(rI).poly(rC) induce production of a hybridoma growth factor by human fibroblasts. Van Damme J, et al. **Eur J Immunol** 1987 Jan;17(1):1–7

Mitogenic effect of double-stranded RNA in human fibroblasts: role of autogenous interferon. Vilček J, et al. **J Cell Physiol** 1987 Jan;130(1):37–43

Optimal conditions for the induction of human mononuclear leukocytes by complexed polyinosinic-polycytidylic acid. Kaplan H, et al. **J Clin Lab Immunol** 1987 Mar;22(3):153–6

The effects of polyinosinic:polycytidylic acid (pI:C) on the graft-vs-host (GVH) reaction. II. Increased NK-mediated rejection on C57BL/6 lymphocytes by (C57BL/6 X A)F1 mice. Peres A, et al. **J Immunol** 1986 Dec 1;137(11):3420–7

Treatment of trypanosome-infected mice with exogenous interferon, interferon inducers, or antibody to interferon. DeGee AL, et al. **J Parasitol** 1986 Oct;72(5):792–4

Effect of co-administration of interferon inducer, polyriboinosinic acid-polyribocytidylic acid, with SKF 525-A on hepatic drug metabolizing enzymes of rats. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Aug; 9(8):638–44

Stimulation of collagenase production in human synovial fibroblast cultures by poly (I). poly (C). Meyer FA, et al. **J Rheumatol** 1987 Jun;14(3):429–34

Strain difference in mouse natural killer activity augmented by mouse interferon and poly I.C. Kiuchi Y. **Jikken Dobutsu** 1986 Jul;35(3):239–44

Measurement of effect of interferon on metabolism of diphenylhydantoin. Sonnenfeld G, et al. **Methods Enzymol** 1986;119:715–8

Induction of 2',5'oligo (A) synthetase in animals bearing Ehrlich ascites tumor cells. Galaktidou G, et al. **Microbiologica** 1987 Apr;10(2):143–50

Activation of the human beta-interferon gene requires an interferon-inducible factor. Enoch T, et al. **Mol Cell Biol** 1986 Mar;6(3):801–10

Poly(I):poly(C)-enhanced alveolar and peritoneal macrophage phagocytosis: quantification by a new method utilizing fluorescent beads. Burleson GR, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):468–76

[Proteins induced by the double-stranded interferon inducer poly(I).poly(C)] Sokolova TM, et al. **Mol Gen Mikrobiol Virusol** 1987 Jan;(1):32–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Prophylaxis of Rift Valley fever with antiviral drugs, immune serum, an interferon inducer, and a macrophage activator. Peters CJ, et al. **Antiviral Res** 1986 Aug;6(5):285–97

Evaluation of polyinosinic-polycytidylic and poly-L-lysine in metastatic breast cancer. Theriault RL, et al. **Cancer Treat Rep** 1986 Nov;70(11):1341–2

Natural killer cells are not required for interferon-mediated prophylaxis against vaccinia or murine cytomegalovirus infections. Bukowski JF, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2219–22

Immunotherapy of metastatic renal cell carcinoma with polyinosinic-polycytidylic acid. Droller MJ. **J Urol** 1987 Feb;137(2):202–6

POLY T see under **POLYDEOXYRIBONUCLEOTIDES**

POLY U

Template-directed polymerization of oligoadenylates using cyanogen bromide. Kanaya E, et al. **Biochemistry** 1986 Nov 18;25(23):7423–30

Kinetics of hydroxyl radical induced poly(U) strand break formation in pulse-irradiated aqueous solutions in the presence of oxygen. Plonka A. **Int J Radiat Biol** 1987 Aug; 52(2):337–41

Liposomes with polyribonucleotides as model of precellular systems. Baeza I, et al. **Orig Life Evol Biosph** 1987; 17(3-4):321–31

Formation of the triple-stranded polynucleotide helix, poly(A.A.U). Broitman SL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5120–4

ANALOGS & DERIVATIVES

Investigation of complexes formed between gene 32 protein from bacteriophage T4 and heavy-atom-modified single-stranded polynucleotides using optical detection of magnetic resonance. Khamis MI, et al. **Biochemistry** 1986 Oct 7;25(20):5865–72

BLOOD

Nucleic acid hybridization in plasma: method for the quantitation of poly(I).poly(C12, U) in plasma of cancer patients. Krueger LJ, et al. **J Biol Response Mod** 1986 Dec; 5(6):539–47

GENETICS

Translation of polyuridylic acid in lysed mitochondria. Alziari S, et al. **Biochimie** 1986 Sep;68(9):1115–21

METABOLISM

A general method of analysis of ligand-macromolecule equilibria using a spectroscopic signal from the ligand to monitor binding. Application to Escherichia coli single-strand binding protein-nucleic acid interactions. Bujalowski W, et al. **Biochemistry** 1987 Jun 2; 26(11):3099–106

Multiple phosphorylation of human SS-B/LA autoantigen and its effect on poly(U) and autoantibody binding. Pfeifle J, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):217–26

Purification and characterization of the Ro and La antigens. Modulation of their binding affinities to poly(U) by phosphorylation and the presence of ATP. Bachmann M, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):671–80

Stacking interactions of tryptophan residues and nucleotide bases in complexes formed between Escherichia coli single-stranded DNA binding protein and heavy atom-modified poly(uridylic) acid. A study by optically detected magnetic resonance spectroscopy. Khamis MI, et al. **J Biol Chem** 1987 Feb 5;262(4):1725–33

PHARMACODYNAMICS

Interaction of Cibacron blue F3GA and polynucleotides with ricin A-chain, 60 S ribosomal subunit-inactivating protein. Watanabe K, et al. **Biochim Biophys Acta** 1987 Aug 5; 914(2):177–84

RADIATION EFFECTS

Hydroxyl radical-induced strand break formation of poly(U) in anoxic solution. Effect of dithiothreitol and tetranitromethane. Lemaire DG, et al. **Int J Radiat Biol** 1987 Feb;51(2):319–30

POLYADENYLIC ACIDS see **POLY A**

POLYAMIDES see **NYLONS**

POLYAMINES

HCC ligation: rapid and specific DNA construction with blunt ended DNA fragments. Murray JA. **Nucleic Acids Res** 1986 Dec 22;14(24):10118

Methylation and restriction endonuclease cleavage of linear Z-DNA in the presence of hexamminecobalt (III) ions. Soslau G, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7237–52

[Polyamines] Nikolov I, et al. **Eksp Med Morfol** 1986; 25(4):63–8 (18 ref.) **(Bul)**

ADMINISTRATION & DOSAGE

Influence of bezafibrate and colestipol on LDL-cholesterol, LDL-apolipoprotein B and HDL-cholesterol in hyperlipoproteinaemia. Kłosiewicz-Latoszek L, et al. **Atherosclerosis** 1987 Feb;63(2-3):203–9

Acceptability of cholestyramine or colestipol combinations with six vehicles. Shaefer MS, et al. **Clin Pharm** 1987 Jan; 6(1):51–4

Treatment of primary moderate hypercholesterolemia with lovastatin (mevinolin) and colestipol. Vega GL, et al. **JAMA** 1987 Jan 2;257(1):33–8

Colestipol plus fenofibrate versus synvinolin in familial hypercholesterolaemia [letter] Weisweiler P, et al. **Lancet** 1986 Nov 22;2(8517):1212–3

ADVERSE EFFECTS

Alterations in serum thyroid hormonal indices with colestipol-niacin therapy. Cashin-Hemphill L, et al. **Ann Intern Med** 1987 Sep;107(3):324–9

ANALYSIS

Polyamines and hormonal regulation of N-nitrosomethylurea-induced rat mammary tumor growth in vivo. Manni A, et al. **Cancer Res** 1986 Oct;46(10):4938–41

Comparison of DNA interstrand cross-linking and strand breakage by 1,3-bis(2-chloroethyl)-1-nitrosourea in polyamine-depleted and control human adenocarcinoma cells. Seidenfeld J, et al. **Cancer Res** 1987 Sep 1; 47(17):4538–43

Cell cycle kinetics responses of human stomach cancer cells to reduction in polyamine levels by treatment with alpha difluoromethylornithine in vitro. Barranco SC, et al. **Invest New Drugs** 1986;4(4):347–57

A new naturally occurring polyamine containing a quaternary ammonium nitrogen. Oshima T, et al. **J Biol Chem** 1987 Sep 5;262(25):11979–81

Rapid analysis of polyamines in cell culture by high performance liquid chromatography. Clarke JR, et al. **Med Lab Sci** 1986 Jul;43(3):258–61

In vivo effects of difluoromethylornithine on trypanothione and polyamine levels in bloodstream forms of Trypanosoma brucei. Fairlamb AH, et al. **Mol Biochem Parasitol** 1987 Jun;24(2):185–91

Relationship between heat sensitivity and polyamine levels after treatment with alpha-difluoromethylornithine (DFMO). Mivechi NF, et al. **Radiat Res** 1986 Dec; 108(3):269–81

[Change in polyamines in amniotic fluid and its clinical implication] Maesato S. **Fukuoka Igaku Zasshi** 1986 Oct; 77(10):549–60 (Eng. Abstr.) **(Jpn)**

[Free and acetylated polyamines in cyst fluids of brain tumors] Yamazaki H, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):355–60 (Eng. Abstr.) **(Jpn)**

[Effect of trans-4-hydroxy-3-methoxycinnamic acid (ferulic acid) on polyamine level in the rat ventral prostate] Sone A. **Nippon Yakurigaku Zasshi** 1987 Apr;89(4):169–73 (Eng.

Abstr.) (Jpn)
[Polyamine level in the brain of rats during long-term hypokinesia] Kovalev VIu, et al.
Kosm Biol Aviakosm Med 1986 Nov-Dec;20(6):86-7 (Rus)

BIOSYNTHESIS

Effect of epidermal growth factor on polyamine-synthesizing enzymes in rat enterocytes. Fitzpatrick LR, et al.
Am J Physiol 1987 Feb;252(2 Pt 1):G209-14
Altered cardiac polyamine biosynthesis in spontaneously hypertensive rats. Ruskoaho H, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H262-9
Relative abilities of bis(ethyl) derivatives of putrescine, spermidine, and spermine to regulate polyamine biosynthesis and inhibit L1210 leukemia cell growth. Porter CW, et al. **Cancer Res** 1987 Jun 1;47(11):2821-5
Antimetastatic activity of DL-alpha-difluoromethylornithine, an inhibitor of polyamine biosynthesis, in mice. Sunkara PS, et al.
Cancer Res 1987 Feb 15;47(4):933-5
Intracellular polyamine biosynthesis is required for interleukin 2 responsiveness during lymphocyte mitogenesis. Bowlin TL, et al. **Cell Immunol** 1987 May; 106(2):420-7
Ornithine decarboxylase induction and polyamine biosynthesis are required for the growth of interleukin-2- and interleukin-3-dependent cell lines. Bowlin TL, et al. **Cell Immunol** 1986 Apr 1;98(2):341-50
Increased ornithine decarboxylase activity and polyamine biosynthesis are required for optimal cytolytic T lymphocyte induction. Bowlin TL, et al. **Cell Immunol** 1987 Mar;105(1):110-7
Inhibition of polyamine synthesis reduces the growth rate and delays the expression of differentiated phenotypes in primary cultures of embryonic mesoderm from chick. Löwkvist B, et al. **Cell Tissue Res** 1987 Jul;249(1):151-60
Stimulation of polyamine biosynthesis by follicle-stimulating hormone in serum-free cultures of rat Sertoli cells. Swift TA, et al. **Endocrinology** 1987 Jan;120(1):394-400
Modulation of arterial smooth muscle cells from contractile to synthetic phenotype requires induction of ornithine decarboxylase activity and polyamine synthesis. Thyberg J, et al. **Exp Cell Res** 1987 May;170(1):153-9
Effects of epidermal growth factor on the syntheses of DNA and polyamine in isoproterenol-stimulated murine parotid gland. Inoue H, et al. **J Biochem (Tokyo)** 1986 Sep; 100(3):605-13
Modulation of murine erythroleukemic cell differentiation by inhibitors of polyamine biosynthesis. Meilhoc E, et al. **J Cell Physiol** 1987 Jun;131(3):465-71
Polyamine localization and biosynthesis in chemically fractionated rat retina. Ientile R, et al. **J Neurochem** 1986 Nov;47(5):1356-60
Treatment of hamster pancreatic cancer with alpha-difluoromethylornithine, an inhibitor of polyamine biosynthesis. Marx M, et al. **JNCI** 1987 Sep;79(3):543-8
Dopaminergic regulation of polyamine synthesis in the rat pituitary gland. Persson L, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):219-25
Biosynthesis of polyamines in ornithine decarboxylase, arginine decarboxylase, and agmatine ureohydrolase deletion mutants of Escherichia coli strain K-12. Panagiotidis CA, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4423-7
Polyamine biosynthesis and monooxygenase enzyme activity in rat liver cirrhosis and regeneration. Raunio H, et al.
Res Commun Chem Pathol Pharmacol 1986 Aug; 53(2):159-65
Polyamine levels in human gastric carcinoma. Lundell L, et al. **Scand J Gastroenterol** 1986 Sep;21(7):829-32

BLOOD

In vitro interactions between endogenous polyamines and superoxide anion. Kafy AM, et al. **Agents Actions** 1986 Aug;18(5-6):555-9
Polyamine levels in sarcoma-bearing rats in relation to growth and necrosis of the tumour cells. Kaminski K, et al. **Cancer Lett** 1987 Jan;34(1):55-9
Method of isolating erythrocytes influences their measured polyamine content. van den Berg GA, et al. **Clin Chem** 1987 Jun;33(6):1081-2
Erythrocyte polyamine levels during intravenous feeding of patients with colorectal carcinoma. Ota DM, et al.
Eur J Cancer Clin Oncol 1986 Jul;22(7):837-42
Protein-bound polyamines in the plasma of mice grafted with the Lewis lung carcinoma. Delcros JG, et al.
FEBS Lett 1987 Aug 10;220(1):236-42
Determination of polyamines in human erythrocytes by capillary gas chromatography with nitrogen-phosphorus detection. van den Berg GA, et al. **J Chromatogr** 1987 Mar 20;415(1):27-34
[Effects of chloroquine on polyamines and nucleic acid of malaria parasites] Huang ZY, et al.
Chung Kuo Yao Li Hsueh Pao 1987 Jan;8(1):63-8 (Eng. Abstr.) (Chi)
[Detection of polyamines by a new enzymatic differential assay. (4). Fundamental study on a new enzymatic differential assay of blood] Koide T, et al.
Hinyokika Kiyo 1986 Jul;32(7):913-7 (Eng. Abstr.) (Jpn)
[Detection of polyamines by a new enzymatic differential assay. (5). Studies on polyamine in the blood of patients with malignant genitourinary diseases] Koide T, et al.
Hinyokika Kiyo 1986 Jul;32(7):919-28 (Eng. Abstr.) (Jpn)
[Polyamine studies of schizophrenia patients] Svinarev VI.
Vrach Delo 1986 Dec;(12):88-9 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

CSF polyamines in childhood brain tumors [letter] van Eys J, et al. **Ann Neurol** 1987 May;21(5):511

CHEMICAL SYNTHESIS

Differential blockade of muscarinic receptor subtypes by polymethylene tetraamines. Novel class of selective antagonists of cardiac M-2 muscarinic receptors. Melchiorre C, et al. **J Med Chem** 1987 Jan;30(1):201-4

DIAGNOSTIC USE

The manual hexadimethrine bromide (Polybrene) test. Effects of serum proteins and practical applications. Lalezari P.
Transfusion 1987 Jul-Aug;27(4):295-301
Comparison of a commercial hexadimethrine bromide method and low-ionic-strength solution for antibody detection with special reference to anti-K. Letendre PL, et al. **Transfusion** 1987 Mar-Apr;27(2):138-41
Comparison of a manual hexadimethrine bromide-antiglobulin test with saline- and albumin-antiglobulin tests for pretransfusion testing. Mintz PD, et al. **Transfusion** 1987 Mar-Apr;27(2):134-7
Limitations of Polybrene to detect ABO incompatibility. Mintz PD, et al. **Vox Sang** 1986;51(4):318-20
[Assessment and value of the polybrene microplate test for study and identification of irregular anti-erythrocyte antibodies] Guignier F, et al.
Rev Fr Transfus Immunohematol 1986 Oct-Nov; 29(5):377-89 (Eng. Abstr.) (Fre)
[Diagnostic and prognostic importance of the polyamine test of patients with ovarian tumors] Draga NV, et al.
Vopr Onkol 1987;33(4):52-7 (Eng. Abstr.) (Rus)
[Polyamines in breast cancer and chondrosarcoma] Korolev VI, et al. **Vrach Delo** 1987 Apr;(4):89-92 (Eng. Abstr.) (Rus)

METABOLISM

Multiple pathways for uptake of paraquat, methylglyoxal bis(guanylhydrazone), and polyamines. Byers TL, et al.
Am J Physiol 1987 Jun;252(6 Pt 1):C663-9
Inhibition of polyamine biosynthesis by alpha-difluoromethylornithine in African trypanosomes and Pneumocystis carinii as a basis of chemotherapy: biochemical and clinical aspects. McCann PP, et al.
Am J Trop Med Hyg 1986 Nov;35(6):1153-6
Influence of vitamin E on polyamine metabolism in ozone-exposed rat lungs. Elsayed NM.
Arch Biochem Biophys 1987 Jun;255(2):392-9
Polyamine binding sites on Escherichia coli ribosomes. Kakegawa T, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):413-20
Polyamines and diamine oxidase activity in maternal, embryonal, and fetal tissues of rat after chronic ethanol consumption. Desiderio MA, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):843-8
Effects of sialagogues on the syntheses of polyamines and DNA in murine parotid gland. Kikuchi K, et al.
Biochem Biophys Res Commun 1987 May 14;144(3):1161-6
Effect of polyamine depletion on macromolecular synthesis of the malarial parasite, Plasmodium falciparum, cultured in human erythrocytes. Assaraf YG, et al. **Biochem J** 1987 Feb 15;242(1):221-6
Polyamines and HeLa-cell DNA replication. Gallo CJ, et al. **Biochem J** 1986 Aug 15;238(1):37-42
Oxidized polyamines and the growth of human vascular endothelial cells. Prevention of cytotoxic effects by selective acetylation. Morgan DM. **Biochem J** 1987 Mar 1;242(2):347-52
Cytotoxic and non-cytotoxic N-alkyl derivatives of putrescine: effect on polyamine uptake and growth of prostatic cancer cells in vitro. Heston WD, et al.
Biochem Pharmacol 1987 Jun 1;36(11):1849-52
The binding of polyamines to phospholipid bilayers. Yung MW, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4037-41
The role of polyamine reutilization in depletion of cellular stores of polyamines in non-proliferating tissues. Bolkenius FN, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):125-35
Alterations in amounts and covalent modifications of low-molecular-weight chromosomal proteins in Chinese hamster ovary cells during polyamine depletion. Palvimo J, et al. **Biochim Biophys Acta** 1987 Jun 6;909(1):21-9
Developmental pattern of ornithine decarboxylase activity, S-adenosylmethionine decarboxylase, and polyamines of rat adrenal glands. Ekker M, et al. **Biol Neonate** 1987; 51(5):260-7
Role of ornithine decarboxylase and the polyamines in nervous system development: a review. Slotkin TA, et al.
Brain Res Bull 1986 Sep;17(3):307-20 (75 ref.)
Polyamine biosynthetic activity in normal and neoplastic human colorectal tissues. Porter CW, et al. **Cancer** 1987 Sep 15;60(6):1275-81
Effect of intravenous alpha-difluoromethylornithine on the polyamine levels of normal tissue and a transplantable fibrosarcoma. Grossie VB Jr, et al. **Cancer Res** 1987 Apr 1;47(7):1836-40
Effects of progestins on growth of experimental breast cancer in culture: interaction with estradiol and prolactin and involvement of the polyamine pathway. Manni A, et al.
Cancer Res 1987 Jun 15;47(12):3066-71
Variations in cellular polyamine compositions and contents of Vibrio species during growth in media with various NaCl concentrations. Yamamoto S, et al.
Chem Pharm Bull (Tokyo) 1986 Jul;34(7):3038-42
Uptake and disposition of putrescine, spermidine, and spermine by rabbit lungs. Rao SB, et al.
Drug Metab Dispos 1987 Mar-Apr;15(2):189-94
Abstracts of papers presented at the meeting on "Polyamines in biology and medicine". June 5-6, 1986, Turin.
Ital J Biochem 1987 Jan-Feb;36(1):19A-59A
Role of ornithine decarboxylase and polyamines in early postnatal lung growth. Thet LA, et al. **J Appl Physiol** 1986 Nov;61(5):1661-6
Adsorption of plasma proteins to the derivatives of polyaminoetherurethaneurea: the effect of hydrogen-bonding property of the material surface. Sanada T, et al. **J Biomed Mater Res** 1986 Oct;20(8):1179-95
Cardiac polyamine metabolism in spontaneously hypertensive rats: effect of antihypertensive treatment. Ruskoaho H, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S71-4
Posttranslational protein modification by polyamines in intact and regenerating nerves. Chakraborty G, et al.
J Neurochem 1987 Mar;48(3):669-75
Polyamine changes in reversible cerebral ischemia. Paschen W, et al. **J Neurochem** 1987 Jul;49(1):35-7
Polyamine modification in human breast tumors after short treatment with tamoxifen. Messeri G, et al.
J Steroid Biochem 1987 Jan;26(1):169-71
Effect of splenectomy on liver regeneration and polyamine metabolism after partial hepatectomy. Kubo S, et al.
J Surg Res 1986 Oct;41(4):401-9
Enhanced antitumor efficacy with a combination of hyperthermochemotherapy and thermosensitization with polyamine antimetabolites in nude mice. Fujimoto S, et al. **Jpn J Surg** 1987 Mar;17(2):110-7
Polyamine metabolism in compensatory renal growth. Austin HA 3d, et al. **Kidney Int** 1983 Apr;23(4):581-7
Polycation binding to glomerular basement membrane. Effect of biochemical modification. Bertolatus JA, et al.
Lab Invest 1987 Feb;56(2):170-9
Effects of cyclosporine and alpha-difluoromethylornithine on the growth of mouse colon cancer in vitro. Saydjari R, et al. **Life Sci** 1987 Jan 26;40(4):359-66
Polyamine metabolism in filarial worms. Wittich RM, et al.
Mol Biochem Parasitol 1987 Jun;24(2):155-62
Complementation of a polyamine-deficient Escherichia coli mutant by expression of mouse ornithine decarboxylase. Macrae M, et al. **Mol Cell Biol** 1987 Jan;7(1):564-7
Implication of ornithine decarboxylase and polyamines in pancreatic growth of neonatal rats. Morisset J, et al.
Pancreas 1987;2(3):303-11
Changes in liver polyamines due to aflatoxin B1. Chaturvedi A, et al. **Toxicol Lett** 1986 Nov;34(1):1-4
Ornithine decarboxylase activity and polyamine content in normal renal tissue and in renal carcinoma. Uvelius B, et al. **Urol Int** 1987;42(2):105-7
[Antitumor effects of polyamine antimetabolites with polyamine-free diet] Shrestha RD, et al.
Gan No Rinsho 1987 Feb;33(2):179-83 (Eng. Abstr.) (Jpn)
[Combined therapy of polyamine antimetabolite and nitrosourea in human gastric cancer] Fujimoto S, et al.
Gan To Kagaku Ryoho 1986 Oct;13(10):3016-20 (Eng. Abstr.) (Jpn)
[Changes in enzyme activity associated with polyamine metabolism in the rat fetal liver during the perinatal period] Ohmoto H. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2178-86 (Eng. Abstr.) (Jpn)
[Changes in enzyme activity associated with polyamine metabolism in the liver of experimental IUGR rats] Ohmoto H. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):1-8 (Eng. Abstr.) (Jpn)
[Polyamine levels and diamine oxidase activity in the rat liver and kidneys during hepatocarcinogenesis induced by N-nitrosodiethylamine] Berdinskikh NK, et al.
Eksp Onkol 1987;9(3):23-7 (Eng. Abstr.) (Rus)
[Polyamine levels and biosynthesis in leukocytes during leukemic transformation] Saltykova LB, et al.
Eksp Onkol 1987;9(2):18-21 (Eng. Abstr.) (Rus)
[Ratio of polyamine synthesis and oxidation enzymes during cell proliferation and differentiation] Shliakhovenko VA, et al. **Eksp Onkol** 1987;9(3):28-31 (Eng. Abstr.) (Rus)
[Monoamine oxidase activity and brain levels of histamine and polyamines in various extreme exposures] Goroshinskaia IA, et al. **Ukr Biokhim Zh** 1987 Mar-Apr; 59(2):84-6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Mechanisms and significance of polyamine stimulation of various protein kinase reactions. Ahmed K, et al.
Adv Enzyme Regul 1986;25:401-21 (83 ref.)
Tetramine cupruretic agents: a comparison in dogs. Allen KG, et al. **Am J Vet Res** 1987 Jan;48(1):28-30
Use of hexadimethrine bromide as a heparin-neutralizing agent in canine plasma. Green RA, et al.
Am J Vet Res 1987 Mar;48(3):496-8

Mechanism of polyamine inhibition of a leaf protease. Balestreri E, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):460–3

Polyamines antagonize both the antileukemic activity and the reverse transcriptase stimulatory activity of 4,4'-diacetyldiphenylurea bis(guanylhydrazone) (DDUG). Marcus SL, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):422–7

Polyamine administration reduces ornithine decarboxylase activity without affecting its mRNA content. Sertich GJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13; 143(2):424–30

Turnover rates of HMG-CoA reductase mRNA: role of pituitary and thyroid hormones. Simonet WS, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1033–9

Regulation of spermidine/spermine N1-acetyltransferase in L6 cells by polyamines and related compounds. Erwin BG, et al. **Biochem J** 1986 Sep 1;238(2):581–7

Cationic activation of galactosyltransferase from rat mammary Golgi membranes by polyamines and by basic peptides and proteins. Navaratnam N, et al. **Biochem J** 1986 Oct 15;239(2):423–33

Polyamines stimulate superoxide production in human neutrophils activated by N-fMet-Leu-Phe but not by phorbol myristate acetate. Guarnieri C, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):135–9

Effects of cations and polyamines on the aggregation and fusion of phosphatidylserine membranes. Ohki S, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):177–86

Fluorescence polarization studies on Escherichia coli membrane stability and its relation to the resistance of the cell to freeze-thawing. II. Stabilization of the membranes by polyamines. Souzu H. **Biochim Biophys Acta** 1986 Oct 9;861(2):361–7

Non-competitive inhibition of ornithine decarboxylase by a phosphopeptide and phosphoamino acids. Tsirka SA, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):482–9

Tetrodotoxin-sensitive, K+-induced relaxation of guinea-pig isolated trachealis in the presence of Ca2+-entry blocking drugs, Ca2+-free solution and after polyamine exposure. Chideckel EW, et al. **Br J Pharmacol** 1986 Sep;89(1):27–33

Polyamines and the synthesis of estradiol-regulated growth factors in rat mammary cancer in culture. Manni A, et al. **Breast Cancer Res Treat** 1987;9(1):45–51

Effects of difluoromethylornithine and dicyclohexylammonium sulfate on the transformed state of AKR-MCA cells. Boyd D, et al. **Cancer Res** 1987 Aug 1;47(15):4099–104

Polyamine-enhanced casein kinase II in mouse pancreatic islets. Thams P, et al. **Diabetologia** 1986 Dec;29(12):888–92

Polyamines and autocrine control of tumor growth by prolactin in experimental breast cancer in culture. Manni A, et al. **Endocrinology** 1986 Nov;119(5):2033–7

Phosphatidylinositol-4-phosphate kinase from rat brain. Activation by polyamines and inhibition by phosphatidylinositol 4,5-bisphosphate. Lundberg GA, et al. **Eur J Biochem** 1986 Dec 1;161(2):257–62

Cyclic AMP-like effects of polyamines on phosphatidylcholine synthesis and protein phosphorylation in human promyelocytic leukemia HL60 cells. Comparison with the effects of phorbol ester [published erratum appears in FEBS Lett 1987 Apr 20;214(2):375] Kiss Z, et al. **FEBS Lett** 1987 Mar 23;213(2):365–71

Polyamines inhibit the yeast histone deacetylase. Vu QA, et al. **FEBS Lett** 1987 Aug 10;220(1):79–83

Optimal parameters for the polybrene-induced DNA transfection of diploid human fibroblasts. Morgan TL, et al. **In Vitro Cell Dev Biol** 1986 Jun;22(6):317–9

Effect on leukocyte locomotion and superoxide production by uremic toxins and polyamines. Farinelli A, et al. **Int J Artif Organs** 1987 Jan;10(1):37–40

Quantitative structure activity relationship studies on the activation of yeast AMP deaminase by polyamines. Yoshino M, et al. **Int J Biochem** 1987;19(2):209–11

Thermophilic HB8 DNA ligase: effects of polyethylene glycols and polyamines on blunt-end ligation of DNA. Takahashi M, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):123–31

Drug-induced Ca2+ release from isolated sarcoplasmic reticulum. III. Block of Ca2+-induced Ca2+ release by organic polyamines. Palade P. **J Biol Chem** 1987 May 5; 262(13):6149–54

Polyamine stimulation of protein phosphatase-2A from rat liver using a non-protein phosphoester substrate. Cornwell T, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(5):373–82

Polyamine regulation of protein phosphorylation in the brain of the tobacco hornworm, Manduca sexta. Birnbaum MJ, et al. **J Neurochem** 1987 Mar;48(3):935–42

Polyamines stimulate mitochondrial calcium transport in rat brain. Jensen JR, et al. **J Neurochem** 1987 Mar;48(3):765–72

Enhanced withdrawal from chickens of hexachlorobenzene (HCB) and pentachlorophenol (PCP) by colestipol, mineral oil, and/or restricted feeding. Polin D, et al. **J Toxicol Environ Health** 1986;19(3):359–68

Thermal denaturation of mononucleosomes in the presence of spermine, spermidine, N1-acetylspermidine, N8-acetylspermidine or putrescine: implications for chromosome structure. Blankenship JW, et al. **Mol Biol Rep** 1987;12(1):21–6

The effects of some polyamines on putative behavioural indices of mesolimbic versus striatal dopaminergic function. Hirsch SR, et al. **Psychopharmacology (Berlin)** 1987; 93(1):101–4

[Regulation of hormonal sensitivity of cardiac cells in culture by polyamines] Clô C, et al. **Cardiologia** 1987 Mar; 32(3):301–5 (Eng. Abstr.) **(Ita)**

[Structural-functional characteristics of argiopine--the ion channel blockers from the spider Argiope lobata venom] Grishin EV, et al. **Bioorg Khim** 1986 Aug;12(8):1121–4 (Eng. Abstr.) **(Rus)**

[The ability of argiopine to block the glutamatergic synapses in the frog spinal cord (letter)] Shupliakov OV, et al. **Zh Evol Biokhim Fiziol** 1987 Mar-Apr;23(2):275–6 **(Rus)**

[Effect of polyamines on palmitoyl-CoA inhibition of glucose-6-phosphate dehydrogenase of the rat liver (letter)] Rodríguez-Torres AM, et al. **Rev Esp Fisiol** 1987 Mar;43(1):119–21 **(Spa)**

PHYSIOLOGY

The polyamine-dependent modulation of phenylalanine hydroxylase phosphorylation state and enzymic activity in isolated liver cells. Fisher MJ, et al. **Biochem J** 1986 Jul 1;237(1):277–9

An inhibitory role for polyamines in protein kinase C activation and insulin secretion in mouse pancreatic islets. Thams P, et al. **Biochem J** 1986 Jul 1;237(1):131–8

Haematological cell proliferation and differentiation responses to perturbations of polyamine biosynthesis. O'Conor GT Jr, et al. **Cell Tissue Kinet** 1986 Sep; 19(5):539–46

An evaluation of the involvement of polyamines in modulating MCF-7 human breast cancer cell proliferation and progesterone receptor levels by estrogen and antiestrogen. Kendra KL, et al. **J Steroid Biochem** 1987 Aug;28(2):123–8

Blood-brain barrier breakdown by cold injury. Polyamine signals mediate acute stimulation of endocytosis, vesicular transport, and microvillus formation in rat cerebral capillaries. Trout JJ, et al. **Lab Invest** 1986 Dec; 55(6):622–31

Polyamines as intermediates in developmental neurotoxic events. Bell JM, et al. **Neurotoxicology** 1986 Summer; 7(2):147–59

[Biological function of polyamine covalently linked to a peptidoglycan in bacteria] Kamio Y. **Seikagaku** 1987 Feb; 59(2):69–74 (9 ref.) **(Jpn)**

THERAPEUTIC USE

Treatment of the hyperlipidemia of the nephrotic syndrome: a controlled trial. Valeri A, et al. **Am J Kidney Dis** 1986 Dec;8(6):388–96

Hypertriglyceridemia: a contraindication to the use of bile acid binding resins. Crouse JR 3d. **Am J Med** 1987 Aug; 83(2):243–8

Beneficial effects of combined colestipol-niacin therapy on coronary atherosclerosis and coronary venous bypass grafts. Blankenhorn DH, et al. **JAMA** 1987 Jun 19; 257(23):3233–40

Extracranial carotid arterial disease in patients with familial hypercholesterolemia and coronary artery disease treated with colestipol and nicotinic acid. Kuo PT, et al. **Stroke** 1987 Jul-Aug;18(4):716–21

URINE

Simultaneous gas-chromatographic determination of free and acetyl-conjugated polyamines in urine. van den Berg GA, et al. **Clin Chem** 1986 Oct;32(10):1930–7

Urinary polyamines in colorectal cancer. Thompson JS, et al. **Dis Colon Rectum** 1986 Dec;29(12):873–7

[Fluctuation of urinary polyamines in childhood] Iwasaki Y, et al. **Rinsho Byori** 1986 Oct;34(10):1173–80 **(Jpn)**

[Clinical role of the periodic measurement of urinary polyamine in hematological malignancies] Nagoshi H, et al. **Rinsho Byori** 1986 Oct;34(10):1168–72 **(Jpn)**

[Use of the polyamine test in the joint administration of 5-fluorouracil and indomethacin in stomach cancer patients] Zinevich AK, et al. **Eksp Onkol** 1986;8(5):50–2 (Eng. Abstr.) **(Rus)**

[Polyamines--biochemical markers of the progressive stage of psoriasis] Kagramanova AT, et al. **Vestn Dermatol Venerol** 1987;(3):16–9 (Eng. Abstr.) **(Rus)**

POLYANETHOL SULFONATE see under **BENZENESULFONATES**

POLYANGIACEAE see **MYXOBACTERALES**

POLYANGIUM see **MYXOBACTERALES**

POLYARTERITIS NODOSA see **PERIARTERITIS NODOSA**

POLYBROMOBIPHENYL COMPOUNDS

ADMINISTRATION & DOSAGE

Short-term oral administration of polybrominated biphenyls enhances the development of hepatic enzyme-altered foci in initiated rats. Rezabek MS, et al. **J Toxicol Environ Health** 1987;20(4):347–56

ADVERSE EFFECTS

Human health effects of polychlorinated biphenyls (PCBs) and polybrominated biphenyls (PBBs). Kimbrough RD. **Annu Rev Pharmacol Toxicol** 1987;27:87–111 (111 ref.)

METABOLISM

Influence of adipocyte triglyceride on the partition of 2,2',4,4',5,5'-hexabromobiphenyl between 3T3L1 adipocytes and surrounding pseudoblood. Kraus AL, et al. **J Toxicol Environ Health** 1986;19(4):541–54

PHARMACODYNAMICS

Inhibition of monovalent cation transport across the cell membrane by polychlorinated biphenyl but not by polybrominated biphenyl. Byrne JJ, et al. **Arch Environ Contam Toxicol** 1987 Sep;16(5):573–7

Uroporphyrin accumulation produced by halogenated biphenyls in chick-embryo hepatocytes. Reversal of the accumulation by piperonyl butoxide. Sinclair PR, et al. **Biochem J** 1986 Jul 1;237(1):63–71

Effect of polybrominated biphenyls on the growth and maturation of human peripheral blood lymphocytes. Lipson SM. **Clin Immunol Immunopathol** 1987 Apr;43(1):65–72

POISONING

Serum isocitrate dehydrogenase during polybrominated biphenyl toxicosis in dairy cattle. Schanbacher FL, et al. **J Anim Sci** 1987 Feb;64(2):467–73

TOXICITY

Effects of polybrominated biphenyls upon rat urinary protein patterns as detected by two-dimensional electrophoresis. Myrick JE, et al. **Arch Environ Contam Toxicol** 1987 Sep; 16(5):579–85

Localization of ultrastructural alterations induced in rat liver by dietary polybromobiphenyls (FireMaster BP-6). Raber BT, et al. **Arch Environ Contam Toxicol** 1986 Nov; 15(6):725–32

Relationship of basic research in toxicology to environmental standard setting: the case of polybrominated biphenyls in Michigan. Aust SD, et al. **Arch Toxicol** 1987;60(1-3):229–37 (72 ref.)

Embryolethal and teratogenic effects of bromofenofos in rats. Yoshimura H. **Arch Toxicol** 1987 Jun;60(4):319–24

Comparative embryolethal effect of bromofenofos and dephosphate bromofenofos in rats. Yoshimura H. **Arch Toxicol** 1987 Jun;60(4):325–7

Sequential study on the synergistic effects of 2,2',4,4',5,5'-hexabromobiphenyl and 3,3',4,4',5,5'-hexabromobiphenyl on hepatic tumor promotion. Jensen RK, et al. **Carcinogenesis** 1986 Oct; 7(10):1771–4

Hypothyroidism and abnormalities in the kinetics of thyroid hormone metabolism in rats treated chronically with polychlorinated biphenyl and polybrominated biphenyl. Byrne JJ, et al. **Endocrinology** 1987 Aug;121(2):520–7

Effect of various polybrominated biphenyls on cell-cell communication in cultured human teratocarcinoma cells. Kavanagh TJ, et al. **Fundam Appl Toxicol** 1987 Jan; 8(1):127–31

Polybrominated biphenyls. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 41:261–92

Effect of perinatal polybrominated biphenyl exposure on acquisition and performance of an autoshaping paradigm. Henck JW, et al. **Neurotoxicology** 1986 Summer;7(2):651–63

POLYCARBOXYLATE CEMENT see under **DENTAL CEMENTS**

POLYCHAETA

ANALYSIS

Preparation and characterization of monoclonal antibodies to the extracellular hemoglobin of Lumbricus terrestris. Lightbody JJ, et al. **Biochim Biophys Acta** 1986 Oct 17; 873(3):340–9

ANATOMY & HISTOLOGY

[Morphological characteristics of the pharynx of Nereis diversicolor Müller, 1776 (Polychaetes, Nereidae)] Zghal F, et al. **Arch Inst Pasteur Tunis** 1986 Jun-Sep; 63(2-3):277–84 (Eng. Abstr.) **(Fre)**

METABOLISM

High cytosolic pH inhibits Ca uptake by Myxicola axon mitochondria. Abercrombie RF, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):C68–76

Sodium absorption coupled to ammonia excretion in osmoconforming marine invertebrates. Hunter KC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R957–62

Comparative kinetics for bioaccumulation of polychlorinated biphenyls by the polychaete (Capitella capitata) and fish (Mugil cephalus). Shaw GR, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):84–91

Structural consequences of heme isomerism in monomeric

hemoglobins from Glycera dibranchiata. Cooke RM, et al. **Eur J Biochem** 1987 Jul 15;166(2):409–14

NMR studies of the heme pocket conformations of monomeric hemoglobins from Glycera dibranchiata. Implications for ligand binding. Cooke RM, et al. **Eur J Biochem** 1987 Jul 15;166(2):399–408

Subunit assembly of giant haemoglobin from the polychaete Tylorrhynchus heterochaetus. Suzuki T, et al. **J Mol Biol** 1986 Jul 5;190(1):119–23

PHYSIOLOGY

Properties of single Na+ channels in cut-open Myxicola giant axons. Schauf CL. **Can J Physiol Pharmacol** 1987 Apr;65(4):568–73

POLYCHEMOTHERAPY see **DRUG THERAPY, COMBINATION**

POLYCHEMOTHERAPY, NEOPLASM see **ANTINEOPLASTIC AGENTS, COMBINED**

POLYCHLOROBIPHENYL COMPOUNDS

Induction of acute renal porphyria in Japanese quail by Aroclor 1254. Miranda CL, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3637–9

Photodegradation of decachlorobiphenyl. Koshioka M, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):409–15

Hypochlorous acid–activated carbon: an oxidizing agent capable of producing hydroxylated polychlorinated biphenyls. Voudrias EA, et al. **Environ Health Perspect** 1986 Nov;69:97–100

Leads from the MMWR. PCB contamination of ceiling tiles in public buildings—New Jersey. **JAMA** 1987 Mar 13; 257(10):1297, 1301

PCB contamination of ceiling tiles in public buildings—New Jersey. MMWR 1987 Feb 20;36(6):89–91

Comparative fire risk study of PCB transformers. Boykin RF, et al. **Risk Anal** 1986 Dec;6(4):477–88

Chemical spill exposure assessment. Brown SM, et al. **Risk Anal** 1986 Sep;6(3):291–9

The spread of a PCB spill on a soil surface. Eschenroeder AQ. **Risk Anal** 1986 Sep;6(3):301–4

Health risks of PCB spills from electrical equipment. Eschenroeder AQ, et al. **Risk Anal** 1986 Jun;6(2):213–21

Role of inhibition of uroporphyrinogen decarboxylase in PCB-induced porphyria in mice. Seki Y, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):116–25

ADVERSE EFFECTS

Cancer mortality of capacitor manufacturing workers. Bertazzi PA, et al. **Am J Ind Med** 1987;11(2):165–76

Short-term mortality and cancer incidence in capacitor manufacturing workers exposed to polychlorinated biphenyls (PCBs). Gustavsson P, et al. **Am J Ind Med** 1986; 10(4):341–4

Human health effects of polychlorinated biphenyls (PCBs) and polybrominated biphenyls (PBBs). Kimbrough RD. **Annu Rev Pharmacol Toxicol** 1987;27:87–111 (111 ref.)

Assessing the health effects of potential exposure to PCBs, dioxins, and furans from electrical transformer fires: the Binghamton State Office Building medical surveillance program. Fitzgerald EF, et al. **Arch Environ Health** 1986 Nov–Dec;41(6):368–76

Conjugal exposure to polychlorinated biphenyls (PCBs). Fischbein A, et al. **Br J Ind Med** 1987 Apr;44(4):284–6

Polychlorinated biphenyls: a brief review. Fischbein A, et al. **Mt Sinai J Med (NY)** 1987 May;54(4):332–6 (36 ref.)

ANALYSIS

Change in chromatogram patterns after volatilization of some aroclors, and the associated quantitation problems. Lin JM, et al. **Am Ind Hyg Assoc J** 1987 Jul;48(7):599–607

Determination of polychlorinated biphenyls using multiple regression with outlier detection and elimination. Burkhard LP, et al. **Anal Chem** 1987 Apr 15;59(8):1187–90

Determination of polychlorinated biphenyls in waste oil by gas–liquid chromatography. Lawn RE, et al. **Analyst** 1987 Jan;112(1):53–6

Analytical reference materials. Part VII. Development and certification of a sediment reference material for total polychlorinated biphenyls. Lee HB, et al. **Analyst** 1987 Jan; 112(1):37–40

Routine determination of organochlorine pesticides and polychlorinated biphenyls in human milk using capillary gas chromatography–mass spectrometry. Seymour MP, et al. **Analyst** 1987 Apr;112(4):427–31

Large-scale separation of lipids from organochlorine pesticides and polychlorinated biphenyls using a polymeric high-performance liquid chromatographic column. Seymour MP, et al. **Analyst** 1986 Oct;111(10):1203–5

A congener analysis of polychlorinated biphenyls accumulating in rat pups after perinatal exposure. Shain W, et al. **Arch Environ Contam Toxicol** 1986 Nov; 15(6):687–707

Environmental contamination by polychlorinated dibenzo-p-dioxins and dibenzofurans associated with pulp and paper mill discharge. Kuehl DW, et al. **Biomed Environ Mass Spectrom** 1987 Aug;14(8):443–7

Linear rank tests for interval-censored data with application to PCB levels in adipose tissue of transformer repair workers. Self SG, et al. **Biometrics** 1986 Sep;42(3):521–30

Average daily intake of pesticides and polychlorinated biphenyls in total diet samples in Osaka, Japan. Matsumoto H, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):954–8

Polychlorinated biphenyls in honey bees. Morse RA, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):271–6

Organochlorine levels in edible marine organisms from Kuwaiti coastal waters. Villeneuve JP, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):266–70

Gas chromatographic and mass spectrometric analysis of polychlorinated biphenyls in human placenta and cord blood. Ando M, et al. **Environ Res** 1986 Oct;41(1):14–22

Gas and liquid chromatography of hydroxybiphenyls, chlorinated hydroxybiphenyls and several types of halogenated derivatives. I. Capillary gas chromatography and mass spectrometry. de Kok A, et al. **Int J Environ Anal Chem** 1987;29(3):227–47

The routine analysis of some specific isomers of polychlorinated biphenyl congeners in human milk. Mes J, et al. **Int J Environ Anal Chem** 1987;28(3):197–205

Method for the determination of three toxic non-ortho chlorine substituted coplanar PCBs in environmental samples at part-per-trillion levels. Tanabe S, et al. **Int J Environ Anal Chem** 1987;29(3):199–213

Sulfuric acid cleanup and KOH–ethanol treatment for confirmation of organochlorine pesticides and polychlorinated biphenyls: application to wastewater samples. Hernández Hernández F, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):727–33

Coplanar polychlorinated biphenyls in aroclor and kanechlor mixtures. Mannan N, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):451–4

Simplified method for determining polychlorinated biphenyls, phthalates, and hexachlorocyclohexanes in air. Stein VB, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug; 70(4):721–3

Attenuation of polychlorinated biphenyls in soils. Sklarew DS, et al. **Rev Environ Contam Toxicol** 1987;98:1–41 (66 ref.)

Polychlorobiphenyls (PCBs), polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) in human milk, blood and adipose tissue. Jensen AA. **Sci Total Environ** 1987 Jul;64(3):259–93

Chlorinated insecticides and PCBs in Asteroidea and Holothuroidea species from Rijeka Bay, Yugoslavia. Picer N, et al. **Sci Total Environ** 1986 Dec 1;57:39–47

[Preliminary note on the contamination of fish off the Senegalese coasts by organochlorine pesticides and PCBs] Abiola FA. **Rev Elev Med Vet Pays Trop** 1985;38(3):276–9 (Eng. Abstr.) **(Fre)**

[An environmental sample bank for human organ samples in Munster—hair analyses] Bertram HP, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1987;71:71–82 **(Ger)**

[Polychlorobiphenyl residue levels in edible marine Mollusca, Crustacea and Cephalopoda] Falandysz J. **Rocz Panstw Zakl Hig** 1986;37(5):409–15 (Eng. Abstr.) **(Pol)**

[Organochlorine pesticides and polychlorinated biphenyls in the adipose tissue of abattoir and game animals from the northern region of Poland, 1984] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1986;37(6):487–93 (Eng. Abstr.) **(Pol)**

[Metals and polychlorinated compounds in eels from the Gdansk bay and adjacent waters. II. Eels from the Firth of Vistula] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1987; 38(1):21–8 (Eng. Abstr.) **(Pol)**

[Residue levels of polychlorinated biphenyls in edible fish livers] Falandysz J. **Rocz Panstw Zakl Hig** 1986;37(2):113–8 (Eng. Abstr.) **(Pol)**

BLOOD

Some organochlorine insecticide and polychlorinated biphenyl blood residues in infertile males in the general Israeli population of the middle 1980's. Pines A, et al. **Arch Environ Contam Toxicol** 1987 Sep;16(5):587–97

A pilot study of serum polychlorinated biphenyl levels in persons at high risk of exposure in residential and occupational environments. Stehr-Green PA, et al. **Arch Environ Health** 1986 Jul–Aug;41(4):240–4

Serum concentrations of organochlorine compounds during pregnancy and the newborn. Roncevic N, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):117–24

Evaluation of potential health effects associated with serum polychlorinated biphenyl levels. Stehr-Green PA, et al. **Environ Health Perspect** 1986 Dec;70:255–9

A theoretical study of the binding of polychlorinated biphenyls (PCBs), dibenzodioxins, and dibenzofuran to human plasma prealbumin. Pedersen LG, et al. **J Med Chem** 1986 Dec;29(12):2451–7

Levels of some organochlorine residues in blood of patients with arteriosclerotic disease. Pines A, et al. **Sci Total Environ** 1986 Oct;54:135–55

CLASSIFICATION

Classification of polychlorinated biphenyl residues: isomers vs. homologue concentrations in modeling aroclors and polychlorinated biphenyl residues. Stalling DL, et al. **Anal Chem** 1987 Jul 15;59(14):1853–9

IMMUNOLOGY

Ah receptor mediated suppression of the antibody response in mice is primarily dependent on the Ah phenotype of lymphoid tissue. Silkworth JB, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):380–90

ISOLATION & PURIFICATION

Purification of PCB contaminated water by chitosan: a biological test of efficiency using the common barbel, Barbus barbus. Van Daele Y, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):858–65

Selective preconcentration of polynuclear aromatic hydrocarbons and polychlorinated biphenyls by in situ metal hydroxide precipitation. Hess GG, et al. **J Chromatogr** 1986 Sep 24;366:197–203

Gas chromatographic separation of 2,3,7,8-tetrachlorodibenzo-p-dioxin from polychlorinated biphenyls and tetrachlorodibenzo-p-dioxin isomers using a polymeric liquid crystal capillary column. Naikwadi KP, et al. **J Chromatogr** 1986 Nov 7;369(1):203–7

Clean-up and separation of chlorobiphenyl isomers after synthesis by Cadogan coupling using preparative high-performance liquid chromatography. Seymour MP, et al. **J Chromatogr** 1986 Oct 10;368(1):174–9

METABOLISM

Evidence for dermal absorption as the major route of body entry during exposure of transformer maintenance and repairmen to PCBs. Lees PS, et al. **Am Ind Hyg Assoc J** 1987 Mar;48(3):257–64

Detoxifying activities in alveolar macrophages of rats treated with acetylcysteine, diethyl maleate and/or aroclor. De Flora S, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1009–12

Extensive degradation of Aroclors and environmentally transformed polychlorinated biphenyls by Alcaligenes eutrophus H850. Bedard DL, et al. **Appl Environ Microbiol** 1987 May;53(5):1094–102

Evidence for novel mechanisms of polychlorinated biphenyl metabolism in Alcaligenes eutrophus H850. Bedard DL, et al. **Appl Environ Microbiol** 1987 May;53(5):1103–12

Purification and characterization of the dog hepatic cytochrome P-450 isozyme responsible for the metabolism of 2,2',4,4',5,5'-hexachlorobiphenyl. Duignan DB, et al. **Arch Biochem Biophys** 1987 Jun;255(2):290–303

Accumulation and distribution of hydrocarbons, polychlorobyphenyls, and DDT in tissues of three species of Anatidae from the Ebro Delta (Spain). Llorente GA, et al. **Arch Environ Contam Toxicol** 1987 Sep;16(5):563–72

Transfer and distribution of accumulated (14C)polychlorinated biphenyls from maternal to fetal and suckling rats. Takagi Y, et al. **Arch Environ Contam Toxicol** 1986 Nov;15(6):709–15

Uptake of persistent environmental chemicals by cultured human cells. Mangelsdorf I, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2071–8

Disposition of low and high environmental concentrations of PCBs in snapping turtle tissues. Bryan AM, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1000–5

Polychlorinated biphenyl residues in some marine organisms from the Baie des Anglais (Baie-Comeau, Quebec, Saint-Lawrence estuary). Delval C, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):823–9

Uptake of polychlorinated biphenyls (PCBs) by the macroalga, Cladophora glomerata. Larsson P. **Bull Environ Contam Toxicol** 1987 Jan;38(1):58–62

Elimination of 2,4,5,2',4',5'-hexachlorobiphenyl by the purple sea urchin, Strongylocentrotus purpuratus, following single exposure. Tjeerdema RS, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1029–36

The disposition and elimination of two sequential doses of 2,4,5,2',4',5'-hexachlorobiphenyl. Gallenberg LA, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):363–6

Fate of 2,5,4'-trichlorobiphenyl in outdoor ponds and its uptake via the food chain compared with direct uptake via the gills in grass carp and rainbow trout. Crossland NO, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):225–38

Comparative kinetics for bioaccumulation of polychlorinated biphenyls by the polychaete (Capitella capitata) and fish (Mugil cephalus). Shaw GR, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):84–91

In vitro characterization of possible mechanisms underlying the selective in vivo accumulation of the PCB metabolite 4,4'-bis(methylsulphonyl)-2,2',5,5'-tetrachlorobiphenyl in the lung. Lund J, et al. **Food Chem Toxicol** 1986 Jun–Jul; 24(6–7):563–6

Mechanisms for the release and redistribution of 2,4,5,2',4',5'-hexachlorobiphenyl (6-CB) from hepatic tissues in the rat. Ray LA, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):494–501

Reduction of the human body burdens of hexachlorobenzene and polychlorinated biphenyls. Schnare DW, et al. **IARC Sci Publ** 1986;(77):597–603

Purification and properties of 2,3-dihydroxybiphenyl dioxygenase from polychlorinated biphenyl-degrading Pseudomonas pseudoalcaligenes and Pseudomonas aeruginosa carrying the cloned bphC gene [published erratum appears in J Bacteriol 1987 May;169(5):2326] Furukawa K, et al. **J Bacteriol** 1987 Feb;169(2):924–7

Polychlorinated biphenyls and related compound interactions with specific binding sites for thyroxine in rat liver nuclear extracts. McKinney J, et al. **J Med Chem** 1987 Jan;

30(1):79–86
Influence of lipolysis on the mobilization of 2,4,5,2'4',5'-hexachlorobiphenyl from adipocytes in vitro. Gallenberg LA, et al. **J Toxicol Environ Health** 1987; 20(1–2):163–71
In vivo and in vitro absorption and binding to powered stratum corneum as methods to evaluate skin absorption of environmental chemical contaminants from ground and surface water. Wester RC, et al.
J Toxicol Environ Health 1987;21(3):367–74
Discovering microbes with a taste for PCBs [news] Roberts L. **Science** 1987 Aug 28;237(4818):975–7
Binding of a metabolite of 3,4,3',4'-tetrachlorobiphenyl to transthyretin reduces serum vitamin A transport by inhibiting the formation of the protein complex carrying both retinol and thyroxin. Brouwer A, et al.
Toxicol Appl Pharmacol 1986 Sep 30;85(3):301–12
Influence of serum cholesterol and albumin on partitioning of PCB congeners between human serum and adipose tissue. Guo YL, et al. **Toxicol Appl Pharmacol** 1987 Jan; 87(1):48–56
Metabolism-related tissue-binding of halogenated hydrocarbons. Brandt I. **Ups J Med Sci** 1986;91(3):289–94
Potential mechanisms for redistribution of polychlorinated biphenyls during pregnancy and lactation. Gallenberg LA, et al. **Xenobiotica** 1987 Mar;17(3):299–310
Metabolism of 2,3,4',6-tetrachlorobiphenyl: formation and tissue localization of mercapturic acid pathway metabolites in mice. Klasson-Wehler E, et al. **Xenobiotica** 1987 Apr; 17(4):477–86
[Residue levels of polychlorinated biphenyls in fish muscles] Falandysz J. **Rocz Panstw Zakl Hig** 1986;37(4):303–11 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Polychlorinated biphenyls (PCBs) and dichlorodiphenyl dichloroethene (DDE) in human milk: effects on growth, morbidity, and duration of lactation. Rogan WJ, et al.
Am J Public Health 1987 Oct;77(10):1294–7
Inhibition of monovalent cation transport across the cell membrane by polychlorinated biphenyl but not by polybrominated biphenyl. Byrne JJ, et al.
Arch Environ Contam Toxicol 1987 Sep;16(5):573–7
Aflatoxin B1–4-hydroxylase is associated with cytochrome P3-450 in C57BL/6 mouse liver. Koser PL, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):872–8
Biological activity of polychlorinated biphenyls related to conformational structure [letter] McKinney JD, et al.
Biochem J 1986 Dec 1;240(2):621–2
Chloro-substituent sites and probability of co-planarity in polychlorinated biphenyls in determining uroporphyrin formation in cultured liver cells [letter] Sassa S, et al.
Biochem J 1986 Dec 1;240(2):622–3
Uroporphyrin accumulation produced by halogenated biphenyls in chick-embryo hepatocytes. Reversal of the accumulation by piperonyl butoxide. Sinclair PR, et al.
Biochem J 1986 Jul 1;237(1):63–71
Metabolism of alkoxyphenoxazones by channel catfish liver microsomes: effects of phenobarbital, Aroclor 1254 and 3-methylcholanthrene. Ankley GT, et al.
Biochem Pharmacol 1987 Apr 15;36(8):1379–81
Urinary levels of estrone sulfate and 11-ketotetranor prostaglandin F metabolite in pregnant guinea pigs given Clophen A50 (polychlorinated biphenyls). Lundkvist U, et al. **Biol Reprod** 1987 Feb;36(1):109–16
Polycyclic aromatic hydrocarbon metabolism in mullets, Chelon labrosus, treated by polychlorinated biphenyls. Narbonne JF, et al. **Bull Environ Contam Toxicol** 1987 Jan; 38(1):53–7
Effects of inducer pretreatment on liver function and morphology in the mountain vole Microtus montanus. Hincks JR, et al. **Comp Biochem Physiol [C]** 1987; 86(2):343–7
Effects of varying inducer type and dose on hepatic monooxygenase activities in the mountain vole Microtus montanus. Hincks JR, et al. **Comp Biochem Physiol [C]** 1986;85(2):385–9
Induction of rat hepatic monooxygenase activity by polychlorinated diphenyl ethers. Iverson F, et al.
Food Chem Toxicol 1987 Apr;25(4):305–7
Dose requirements, assay procedures and tissue specificity for PCB inductation of P-450 dependent mono-oxygenase activity in the rat: implications for design of studies measuring in vivo induction of human placental mono-oxygenases. Wong TK, et al. **J Appl Toxicol** 1987 Apr;7(2):81–90
Effect of dietary ascorbic acid, cholesterol and PCB on cholesterol concentrations in serum and liver in a rat mutant unable to synthesize ascorbic acid. Horio F, et al.
J Nutr 1987 Jun;117(6):1036–44
Pilot survey of urinary porphyrins from persons transiently exposed to a PCB transformer fire. Osterloh J, et al.
J Toxicol Clin Toxicol 1986–87;24(6):533–44
Liver scarring induced by polychlorinated biphenyl administration to mice previously treated with diethylnitrosamine. Gans JH, et al.
Proc Soc Exp Biol Med 1986 Nov;183(2):207–13
The effect of 3,4,3',4'-tetrachlorobiphenyl on plasma retinol and hepatic retinyl palmitate hydrolase activity in female Sprague-Dawley rats. Powers RH, et al.
Toxicol Appl Pharmacol 1987 Jul;89(3):370–7
Synergistic interactions of 2,3,7,8-TCDD and 2,2',4,4',5,5'-hexachlorobiphenyl in C57BL/6J and DBA/2J mice: role of the Ah receptor. Bannister R, et al. **Toxicology** 1987 May;44(2):159–69
The 3-methylcholanthrene-mimetic effect of 4,4'-dichlorobiphenyl-treatment on phenacetin-induced hepatic glutathione depletion and liver microsomal phenacetin O-deethylation in rats. van Bree L, et al.
Toxicology 1986 Dec 15;42(2–3):259–74
Effect of PCB on some MFO enzyme activities in pregnant and virgin rabbits. Montesissa C, et al.
Vet Res Commun 1987;11(1):57–64
Activities in chick embryos of 7-ethoxycoumarin O-deethylase and aryl hydrocarbon (benzo[a]pyrene) hydroxylase and their induction by 3,3',4,4'-tetrachlorobiphenyl in early embryos. Brunström B. **Xenobiotica** 1986 Sep;16(9):865–72
[Sovol as an inducer of procarcinogen activating microsomal enzymes] Belitskiĭ GA, et al. **Eksp Onkol** 1987;9(3):20–3 (Eng. Abstr.) **(Rus)**
[Reinduction of the cytochrome P-450 system of the liver in rats exposed to polychlorinated biphenyls during starvation] Tutel'ian VA, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):111–3 (Eng. Abstr.) **(Rus)**

POISONING

PCB and PCQ concentrations in subcutaneous tissue from patients with PCB poisoning (Yusho). Ohgami T, et al.
J Dermatol (Tokyo) 1987 Feb;14(1):25–8
PCBs—an epidemic of concern. DeHart RL.
J Okla State Med Assoc 1986 Oct;79(10):751–6

TOXICITY

Toxicity of 3,4,5,3',4',5'-hexachlorobiphenyl to mink. Aulerich RJ, et al. **Arch Environ Contam Toxicol** 1987 Jan; 16(1):53–60
LC50 test results in polychlorinated biphenyl-fed mink: age, season, and diet comparisons. Hornshaw TC, et al.
Arch Environ Contam Toxicol 1986 Nov;15(6):717–23
Effects of chronic polychlorinated biphenyls exposure on reproductive success of white-footed mice (Peromyscus leucopus). Linzey AV. **Arch Environ Contam Toxicol** 1987 Jul;16(4):455–60
Effect of polychlorinated biphenyls (PCBs) accumulated in the dam's body on mouse filial immunocompetence. Takagi Y, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):375–81
The effects of polychlorinated biphenyls and methylmercury, singly and in combination, on mink. I: uptake and toxic responses. Wren CD, et al.
Arch Environ Contam Toxicol 1987 Jul;16(4):441–7
The effects of polychlorinated biphenyls and methylmercury, singly and in combination on mink. II: Reproduction and kit development. Wren CD, et al.
Arch Environ Contam Toxicol 1987 Jul;16(4):449–54
Dose-response of promotion by polychlorinated biphenyls and chloroform in rat liver foci bioassay. Deml E, et al.
Arch Toxicol 1987;60(1–3):209–11
Lack of correlation between formation of reactive metabolites and thymic atrophy caused by 3, 4, 3', 4'-tetrachlorobiphenyl in C57BL/6N mice. Shimada T.
Arch Toxicol 1987 Feb;59(5):301–6
2,5,2',5'-Tetrachlorobiphenyl impairs the bioenergetic functions of isolated rat liver mitochondria. Nishihara Y, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3335–9
Relationship between specific molecular connectivity indices and teratogenicity, carcinogenicity, and mutagenicity of chlorinated benzenes and a biphenyl. Murakami M, et al.
Bull Environ Contam Toxicol 1986 Nov;37(5):633–7
Effect of early postnatal exposure to polychlorinated biphenyls (PCBs) on fertility in male rats. Sager DB, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):946–53
Polychlorinated biphenyls, classified as either phenobarbital- or 3-methylcholanthrene-type inducers of cytochrome P-450, are both hepatic tumor promoters in diethylnitrosamine-initiated rats. Buchmann A, et al.
Cancer Lett 1986 Sep;32(3):243–53
Enhancing effect of co-administration of polychlorinated biphenyls and diethylnitrosamine on enzyme-altered islands induced by diethylnitrosamine in rat liver. Deml E, et al.
Carcinogenesis 1986 Oct;7(10):1697–700
Effects of clofibrate on hyperlipidemia induced by polychlorinated biphenyls and elimination of polychlorinated biphenyls accumulated in rat tissues. Nakagawa M, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3940–4
Hypothyroidism and abnormalities in the kinetics of thyroid hormone metabolism in rats treated chronically with polychlorinated biphenyl and polybrominated biphenyl. Byrne JJ, et al. **Endocrinology** 1987 Aug;121(2):520–7
The effects of "Yusho" type PCB on triglyceride lipase and fatty acid composition. Obana H, et al. **Environ Res** 1987 Apr;42(2):500–8
Health effects of low-level exposure to polychlorinated biphenyls. Stark AD, et al. **Environ Res** 1986 Oct; 41(1):174–83
Nitrogen deficits in aroclor 1254-treated rats. Ebner KV, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):89–96
Comparative toxicology of tetrachlorobiphenyls in mink and rats. I. Changes in hepatic enzyme activity and smooth endoplasmic reticulum volume. Gillette DM, et al.
Fundam Appl Toxicol 1987 Jan;8(1):5–14
Comparative toxicology of tetrachlorobiphenyls in mink and rats. II. Pathology. Gillette DM, et al.
Fundam Appl Toxicol 1987 Jan;8(1):15–22
Health and productivity of dairy cows fed polychlorinated biphenyls. Willett LB, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):60–8
Alterations in phospholipid biosynthesis by polychlorinated biphenyls and polychlorinated biphenylols. Dzogbefia VP, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):99–107
Long-term effects of dietary polychlorinated biphenyl and high level of vitamin E on ascorbic acid and lipid metabolism in rats. Oda H, et al. **J Nutr** 1987 Jul; 117(7):1217–23
Effects of dietary methionine, cystine and potassium sulfate on serum cholesterol and urinary ascorbic acid in rats fed PCB. Oda H, et al. **J Nutr** 1986 Sep;116(9):1660–6
Assessment of clinical, metabolic, dietary, and occupational correlations with serum polychlorinated biphenyl levels among employees at an electrical capacitor manufacturing plant. Acquavella JF, et al. **J Occup Med** 1986 Nov; 28(11):1177–80
Permeability changes in hepatic mitochondria and altered glucose and urea metabolism in aroclor 1254-treated rats. Ebner KV, et al. **J Toxicol Environ Health** 1987;22(1):45–62
Association between PCBs and lower embryonic weight in black-crowned night herons in San Francisco Bay. Hoffman DJ, et al. **J Toxicol Environ Health** 1986; 19(3):383–91
Effects of polychlorinated biphenyls on porphyrin synthesis and cytochrome P-450-dependent monooxygenases in small intestine and liver of Japanese quail. Miranda CL, et al. **J Toxicol Environ Health** 1987;20(1–2):27–35
Effects of polychlorinated biphenyls and lipemia on serum analytes. Steinberg KK, et al. **J Toxicol Environ Health** 1986;19(3):369–81
3,3'4,4'-Tetrachlorobiphenyl in pregnant mice: embryotoxicity, teratogenicity, and toxic effects on the cultured embryonic thymus. d'Argy R, et al.
Pharmacol Toxicol 1987 Jul;61(1):53–7
A chromosomal study on blood lymphocytes of patients poisoned by polychlorinated biphenyls. Wuu KD, et al.
Proc Natl Sci Counc Repub China [B] 1985 Jan;9(1):67–9
Decreased pulmonary drug metabolism in mice treated with the PCB metabolite 4-methylsulphonyl-2,2',5,5'-tetrachlorobiphenyl. Lund BO, et al. **Toxicol Lett** 1986 Sep;32(3):261–7
A time-course investigation of vitamin A levels and drug metabolizing enzyme activities in rats following a single treatment with prototypic polychlorinated biphenyls and DDT. Azais V, et al. **Toxicology** 1987 Jun;44(3):341–54
Differential induction of cytochrome P-450 catalyzed activities by polychlorinated biphenyls and benzo [a]pyrene in B6C3F1 mouse liver and lung. Mitchell CE, et al.
Toxicology 1987 Mar;43(3):315–23
[Morphologic changes and cytochrome P-450 induction in the liver of the rat after exposure to polychlorinated biphenyls in various diets] Gadzhieva ZM, et al.
Vopr Pitan 1987 Jan-Feb;(1):45–50 (Eng. Abstr.) **(Rus)**

POLYCHLOROPINENE see under **INSECTICIDES, ORGANOCHLORINE**

POLYCHLOROTERPHENYL COMPOUNDS see under **TERPHENYL COMPOUNDS**

POLYCHONDRITIS, RELAPSING

COMPLICATIONS

Cardiac involvement in relapsing polychondritis. Balsa-Criado A, et al. **Int J Cardiol** 1987 Mar;14(3):381–3
Relapsing polychondritis syndrome associated with pustular psoriasis, spondylitis and arthritis mutilans. Hager MH, et al. **J Rheumatol** 1987 Feb;14(1):162–4
Classical rheumatoid arthritis associated with nondeforming relapsing polychondritis. Tishler M, et al. **J Rheumatol** 1987 Apr;14(2):367–8
Renal involvement in relapsing polychondritis. Chang-Miller A, et al. **Medicine (Baltimore)** 1987 May;66(3):202–17
[Exophthalmos in atrophic polychondritis. 2 cases (letter)] Serratrice G, et al. **Presse Med** 1987 May 23;16(19):968 **(Fre)**
[A case of relapsing polychondritis with normal pressure hydrocephalus] Ishiguro K, et al. **Rinsho Shinkeigaku** 1987 May;27(5):593–8 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[A case of relapsing polychondritis with islet cell antibody positive NIDDM: with special reference to a therapeutic trial with colchicine] Wakamatsu N, et al.
Nippon Naika Gakkai Zasshi 1986 Oct;75(10):1457–62 **(Jpn)**

PATHOLOGY

Saddle nose, red ears, and fatal airway collapse. Relapsing polychondritis. Sane DC, et al. **Chest** 1987 Feb;91(2):268–70

POLYCYCLIC COMPOUNDS

ANALYSIS

Sources of nitroaromatic mutagens in atmospheric polycyclic organic matter. Gibson TL. **J Air Pollut Control Assoc** 1986 Sep;36(9):1022–5

ISOLATION & PURIFICATION

[Cell transformation by an organic extract of an air-borne particulate] Li J. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):340–3 (Eng. Abstr.) **(Chi)**

POLYCYCLIC HYDROCARBONS

Reactivity and tumorigenicity of bay-region diol epoxides derived from polycyclic aromatic hydrocarbons. Jerina DM, et al. **Adv Exp Med Biol** 1986;197:11–30

Conformation between the substrate-binding site and heme of cytochrome P-450 studied by excitation energy transfer. Omata Y, et al. **Biochim Biophys Acta** 1987 Mar 18; 912(1):115–23

Studies on surface properties of asbestos. III. Interactions between asbestos and polynuclear aromatic hydrocarbons. Fournier J, et al. **Environ Res** 1986 Oct;41(1):276–95

Cluster significance analysis contrasted with three other quantitative structure-activity relationship methods. McFarland JW, et al. **J Med Chem** 1987 Jan;30(1):46–9

Detection of carcinogen-DNA adducts in human cells and antibodies to these adducts in human sera. Weston A, et al. **Prog Exp Tumor Res** 1987;31:76–85

"4 S" polycyclic aromatic hydrocarbon binding protein: further characterization and kinetic properties. Masucci MT, et al. **Tumori** 1987 Jun 30;73(3):237–47

ADVERSE EFFECTS

[Phototoxic reactions in employees of the Polish railway service] Isachurzewska B, et al. **Derm Beruf Umwelt** 1987 Jan-Feb;35(1):24–6 (Eng. Abstr.) **(Ger)**

ANALYSIS

Evaluation of occupational exposure to mixed dusts and polycyclic aromatic hydrocarbons in silicon carbide plants. Dufresne A, et al. **Am Ind Hyg Assoc J** 1987 Feb; 48(2):160–6

Direct determination of polycyclic aromatic hydrocarbons in extracts of particulate matter. Elsaid AE, et al. **Anal Chem** 1987 Apr 1;59(7):970–3

Sampling of airborne aromatic amines. Olson R, et al. **Anal Chem** 1987 Jan 1;59(1):58–62

Molecular shape and the prediction of high-performance liquid chromatographic retention indexes of polycyclic aromatic hydrocarbons. Rohrbaugh RH, et al. **Anal Chem** 1987 Apr 1;59(7):1048–54

Analytical reference materials. Part VI. Development and certification of a sediment reference material for selected polynuclear aromatic hydrocarbons. Lee HB, et al. **Analyst** 1987 Jan;112(1):31–5

Determination of polycyclic aromatic hydrocarbons and alkylated-polycyclic aromatic hydrocarbons in particulate extracts using negative ion chemical ionization mass spectrometry. Hilpert LR. **Biomed Environ Mass Spectrom** 1987 Aug;14(8):383–94

Gaseous and adsorbed PAH in an iron foundry. Knecht U, et al. **Br J Ind Med** 1986 Dec;43(12):834–8

Structure-biodegradability relationships of polycyclic aromatic hydrocarbons in soil. Bossert ID, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):490–5

Characterization of the PAC profile in settling particulates from the urban waters of Stockholm. Broman D, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1020–8

Isolation and gas-chromatographic determination of saturated and polycyclic aromatic hydrocarbons in mussels. Butler AC, et al. **Bull Environ Contam Toxicol** 1986 Oct; 37(4):570–8

Polynuclear aromatic hydrocarbons (PAHs) in fish from the Arabian Gulf. DouAbdul AA, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):546–52

Polycyclic aromatic hydrocarbon contamination of American lobster, Homarus americanus, in the proximity of a coal-coking plant. Uthe JF, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):730–8

Environmental monitoring of mutagenic/carcinogenic hazards during road paving operations with bitumens. Monarca S, et al. **Int Arch Occup Environ Health** 1987; 59(4):393–402

Desorptivity versus chemical reactivity of polycyclic aromatic hydrocarbons (PAHs) in atmospheric aerosols collected on quartz fiber filters. Miguel AH, et al. **Int J Environ Anal Chem** 1986;26(3–4):265–78

A model to evaluate half-lives of PAHs naturally occurring on airborne particulate. Valerio F, et al. **Int J Environ Anal Chem** 1987;28(3):185–96

Determination of polycyclic aromatic hydrocarbons in Athens atmosphere. Viras LG, et al. **Int J Environ Anal Chem** 1987;28(1–2):71–85

Measurement of polycyclic aromatic hydrocarbons and other pollutants. Espigares García M, et al. **J Appl Toxicol** 1987 Apr;7(2):143–6

Argentation liquid chromatography of polynuclear aromatic hydrocarbons on a silver(I)-loaded mercaptopropyl silica gel stationary phase. Dunn JA, et al. **J Chromatogr** 1987 May 22;394(2):375–81

Retention behavior of large polycyclic aromatics in bonded-phase high-performance liquid chromatography. Fetzer JC, et al. **J Chromatogr** 1987 Jan 16;386:87–101

Elution behaviour of planar and non-planar polycyclic aromatic hydrocarbons on various chemically bonded stationary phases in liquid chromatography. Jinno K, et al. **J Chromatogr** 1987 Apr 17;392:75–82

Elution behaviour of peropyrene-type polycyclic aromatic hydrocarbons in various chemically bonded stationary phases in reversed-phase liquid chromatography. Jinno K, et al. **J Chromatogr** 1987 Jan 16;386:123–35

Solvent-induced photodegradation as a source of error in the analysis of polycyclic aromatic hydrocarbons. Low GK, et al. **J Chromatogr** 1987 Apr 17;392:199–210

Identification of some polycyclic nitrogen-containing compounds in coal-derived oil. Morimoto S, et al. **J Chromatogr** 1986 Oct 24;368(2):291–8

Polycyclic aromatic hydrocarbons in C8 isomer aromatic feed: analysis by GC, GC/MS, and GC/FTIR techniques. Garg VN, et al. **J Chromatogr Sci** 1987 Jun;25(6):237–46

Polycyclic aromatic hydrocarbons in smokehouses. Nordholm L, et al. **Scand J Work Environ Health** 1986 Dec;12(6):614–8

Elution of polycyclic aromatic hydrocarbons from carbon blacks into biomembranes in vitro. Bevan DR, et al. **Toxicol Ind Health** 1985 Sep;1(1):57–67

Gaschromatographic determination of polycyclic aromatic hydrocarbons, aza-arenes, aromatic amines in the particle and vapor phase of mainstream and sidestream smoke of cigarettes. Grimmer G, et al. **Toxicol Lett** 1987 Jan; 35(1):117–24

Physico-chemical nature and mutagenic activity of ambient dust in Seoul. Chung Y. **Yonsei Med J** 1987;28(1):52–9

Determination of polycyclic aromatic hydrocarbons (PAH) in edible vegetable oils by liquid chromatography and programmed fluorescence detection. Comparison of caffeine complexation and XAD-2 chromatography sample clean-up. Welling P, et al. **Z Lebensm Unters Forsch** 1986 Aug;183(2):111–5

Polycyclic aromatic compounds (PAC) in leaf lettuce. Wickström K, et al. **Z Lebensm Unters Forsch** 1986 Sep; 183(3):182–5

[Reactivity of aspartame with hydrocarbons with aromatic rings (II)] Tateo F, et al. **Boll Chim Farm** 1986 Nov; 125(11):404–9 (Eng. Abstr.) **(Ita)**

[A simplified analysis of major polynuclear aromatic hydrocarbons in airborne particulates] Arashidani K, et al. **Nippon Eiseigaku Zasshi** 1986 Aug;41(3):617–23 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

[Polymorphism of a culture of Streptomyces olivocinereus, the producer of heliomycin] Sokolova ZG, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):15–20 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation and identification of mutagenic polycyclic aromatic hydrocarbons from a coal gasifier condensate. Haugen DA, et al. **Environ Res** 1986 Dec;41(2):400–19

Selective preconcentration of polynuclear aromatic hydrocarbons and polychlorinated biphenyls by in situ metal hydroxide precipitation. Hess GG, et al. **J Chromatogr** 1986 Sep 24;366:197–203

Retention of polycyclic aromatic hydrocarbons on an improved tetrachlorophthalimidopropyl silica. Jadaud P, et al. **J Chromatogr** 1987 Apr 22;393(1):39–49

METABOLISM

Role of dissolution rate and solubility in biodegradation of aromatic compounds. Stucki G, et al. **Appl Environ Microbiol** 1987 Feb;53(2):292–7

Further characterization of the polycyclic aromatic hydrocarbon binding properties of the 4S protein. Houser WH, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):361–8

Xanthine oxidase-catalyzed DNA binding of dihydrodiol derivatives of nitro-polycyclic aromatic hydrocarbons. Colvert KK, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):245–50

The influence of bile on the bioavailability of polynuclear aromatic hydrocarbons from the rat intestine. Rahman A, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1214–8

Binding of polynuclear aromatic hydrocarbons to the rat 4S cytosolic binding protein: structure-activity relationships. Kamps C, et al. **Cancer Lett** 1987 Feb;34(2):129–37

Inhibition of polycyclic aromatic hydrocarbon-DNA adduct formation in epidermis and lungs of SENCAR mice by naturally occurring plant phenols. Das M, et al. **Cancer Res** 1987 Feb 1;47(3):767–73

Interspecies comparison of polycyclic aromatic hydrocarbon metabolism in human and rat mammary epithelial cells. Moore CJ, et al. **Cancer Res** 1986 Oct;46(10):4946–52

Aromatic DNA adducts in human bone marrow and peripheral blood leukocytes. Phillips DH, et al. **Carcinogenesis** 1986 Dec;7(12):2071–5

The relationship between ionization potential and prostaglandin H synthase-catalyzed binding of aromatic hydrocarbons to DNA. Devanesan P, et al. **Chem Biol Interact** 1987 Jan;61(1):89–95

DNA repair synthesis in cultured fish and human cells exposed to fish S9-activated aromatic hydrocarbons. Walton DG, et al. **Comp Biochem Physiol [C]** 1987; 86(2):399–404

Oxidation of polycyclic aromatic hydrocarbons and dibenzo[p]-dioxins by Phanerochaete chrysosporium ligninase. Hammel KE, et al. **J Biol Chem** 1986 Dec 25; 261(36):16948–52

The binding components for 2,3,7,8-tetrachlorodibenzo-p-dioxin and polycyclic aromatic hydrocarbons. Separation from the rat and mouse hepatic cytosol and characterization of a light density component. Lesca P, et al. **J Biol Chem** 1987 Apr 5; 262(10):4827–35

Microbial metabolism of homocyclic and heterocyclic aromatic compounds under anaerobic conditions. Berry DF, et al. **Microbiol Rev** 1987 Mar;51(1):43–59 (116 ref.)

In vitro screening of carcinogenesis inhibitors acting by inhibition of microsomal polycyclic aromatic hydrocarbon activation. Safirman C, et al. **Neoplasma** 1987;34(3):261–8

Role of inflammatory cells in the metabolic activation of polycyclic aromatic hydrocarbons in mouse skin. Kensler TW, et al. **Toxicol Appl Pharmacol** 1987 Sep 15; 90(2):337–46

The metabolism of aromatic amines. Gorrod JW, et al. **Xenobiotica** 1986 Oct-Nov;16(10–11):933–55 (219 ref.)

Pathways involved in the metabolism and activation of polycyclic hydrocarbons. Grover PL. **Xenobiotica** 1986 Oct-Nov;16(10–11):915–31 (159 ref.)

Biotransformation of polycyclic aromatic compounds by fungi. Holland HL, et al. **Xenobiotica** 1986 Aug; 16(8):733–41

Detoxication reactions of glutathione and glutathione transferases. Ketterer B. **Xenobiotica** 1986 Oct-Nov; 16(10–11):957–73 (86 ref.)

[Polycyclic aromatic hydrocarbons—presence, analysis and metabolism] Jacob J. **Beitr Gerichtl Med** 1986;44:233–42 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Induction of rat hepatic cytochromes P-450 by environmental nitropolycyclic aromatic hydrocarbons. Chou MW, et al. **Biochem Pharmacol** 1987 Aug 1; 36(15):2449–54

The molecular biology of the polycyclic aromatic hydrocarbon inducible cytochrome P-450; the past is prologue. Iversen PL, et al. **Bioessays** 1986 Jan;4(1):15–9

Mutagenicity studies of different polycyclic aromatic hydrocarbons: the significance of enzymatic factors and molecular structure. Pahlman R, et al. **Carcinogenesis** 1987 Jun;8(6):773–8

Biotransformation of caffeine, paraxanthine, theophylline, and theobromine by polycyclic aromatic hydrocarbon-inducible cytochrome(s) P-450 in human liver microsomes. Campbell ME, et al. **Drug Metab Dispos** 1987 Mar-Apr;15(2):237–49

Mechanism and rate of permeation of cells by polycyclic aromatic hydrocarbons [published erratum appears in J Biol chem 1987 Jul 15;262(20):9921] Plant AL, et al. **J Biol Chem** 1987 Feb 25;262(6):2514–9

Induction of mixed-function oxidase activity in mouse lymphoid tissues by polycyclic aromatic hydrocarbons. Griffin GD, et al. **J Toxicol Environ Health** 1986; 19(2):185–94

Computer-assisted structure-activity relationships of nitrogenous cyclic compounds tested in salmonella assays for mutagenicity. Walsh DB, et al. **Mutat Res** 1987 Apr; 182(2):55–64

The cytosolic receptor binding affinities and AHH induction potencies of 29 polynuclear aromatic hydrocarbons. Piskorska-Pliszczynska J, et al. **Toxicol Lett** 1986 Nov; 34(1):67–74

[Effects of TJN-101 ((+)-(6s,7s,R-biar)-5,6,7,8-tetrahydro-1,2,3,12-tetramethoxy-6,7 -dimethyl-10,11-methylenedioxy-6-dibenzo [a,c] cyclooctenol) on liver regeneration after partial hepatectomy, and on regional hepatic blood flow and fine structure of the liver in normal rats] Takeda S, et al. **Nippon Yakurigaku Zasshi** 1986 Oct;88(4):321–30 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[The protective effect of gomisin A on experimentally induced acute hepatic injury] Tsutsui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):670–4 (Eng. Abstr.) **(Jpn)**

TOXICITY

Polycyclic aromatic hydrocarbons cause hepatic porphyria in iron-loaded C57BL/10 mice: comparison of uroporphyrinogen decarboxylase inhibition with induction of alkoxyphenoxazone dealkylations. Francis JE, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):13–20

Short-term effects of polynuclear aromatic hydrocarbons on sea-surface microlayer phytoneuston. Riznyk RZ, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1037–43

Interspecies comparison of human and rat mammary epithelial cell-mediated mutagenesis by polycyclic aromatic hydrocarbons. Gould MN, et al. **Cancer Res** 1986

Oct;46(10):4942–5

Structural basis of the activity of nitrated polycyclic aromatic hydrocarbons. Rosenkranz HS, et al. **Dev Toxicol Environ Sci** 1986;13:141–68 (56 ref.)

Contribution of polycyclic aromatic hydrocarbons and polar polycyclic aromatic compounds to the carcinogenic impact of flue gas condensate from coal–fired residential furnaces evaluated by implantation into the rat lung. Grimmer G, et al. **JNCI** 1987 May;78(5):935–42

Induction of genetic tandem duplications in Salmonella by polycyclic aromatic hydrocarbon and amine carcinogens. Pall ML, et al. **Mutat Res** 1987 Feb;182(1):5–13

Comparative effects of topically applied nitrated arenes and their nonnitrated parent arenes on cutaneous and hepatic drug and carcinogen metabolism in neonatal rats. Asokan P, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):33–43

Polycyclic aromatic hydrocarbon in vitro cytotoxicity to bluegill BF–2 cells: mediation by S–9 microsomal fraction and temperature. Babich H, et al. **Toxicol Lett** 1987 Apr; 36(2):107–16

[The content of various active and inactive genes in chromatin fractions with different accessibilities of DNA to polycyclic aromatic hydrocarbons] Mironov NM. **Biokhimiia** 1987 Mar;52(3):503–11 (Eng. Abstr.) **(Rus)**

URINE

Determination of hydroxylated metabolites of polycyclic aromatic hydrocarbons in urine. Jongeneelen FJ, et al. **J Chromatogr** 1987 Jan 23;413:227–32

POLYCYSTIC OVARY SYNDROME

Understanding the polycystic ovary syndrome. Givens JR, et al. **Prog Clin Biol Res** 1986;225:355–76 (59 ref.)

BLOOD

Plasma prolactin and dehydroepiandrosterone sulfate levels in polycystic ovarian disease. Lee JY, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):215–20

Plasma beta–endorphin, beta–lipotropin and corticotropin in polycystic ovarian disease. Laatikainen T, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):327–33

Free alpha–subunit response to gonadotropin–releasing hormone in women with polycystic ovaries. Rezai P, et al. **Fertil Steril** 1987 Feb;47(2):249–54

Prolactin response to clomiphene citrate is different in hyperprolactinemic polycystic ovary syndrome and idiopathic hyperprolactinemia. Lewinthal D, et al. **Int J Fertil** 1987 May–Jun;32(3):185–7, 191

The effect of leuprolide acetate on ovulation induction with human menopausal gonadotropins in polycystic ovary syndrome. Dodson WC, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):95–100

Reduction of hyperinsulinemia and insulin resistance by opiate receptor blockade in the polycystic ovary syndrome with acanthosis nigricans. Givens JR, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):377–82

Circulating luteinizing hormone pulse frequency in women with polycystic ovary syndrome. Kazer RR, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):233–6

Determination of the source(s) of androgen overproduction in hirsutism associated with polycystic ovary syndrome by simultaneous adrenal and ovarian venous catheterization. Comparison with the dexamethasone suppression test. Wajchenberg BL, et al. **J Clin Endocrinol Metab** 1986 Nov; 63(5):1204–10

Effects of a cyproterone–containing oral contraceptive on hormonal levels in polycystic ovarian disease. Calaf–Alsina J, et al. **Obstet Gynecol** 1987 Feb;69(2):255–8

[Relation between hyperprolactinemia and polycystic ovary syndrome] Hámori M, et al. **Zentralbl Gynakol** 1987; 109(8):481–6 (Eng. Abstr.) **(Ger)**

[Circulating free–testosterone and SHBG levels before and after ovarian wedge resection in patients with polycystic ovarian disease] Oikawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):689–90 **(Jpn)**

[Changes in the prolactin and thyrotropin content as affected by thyroliberin in patients with polycystic ovaries] Tudose TI, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):64–7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Development of the polycystic ovarian condition (PCO) in the estradiol valerate–treated rat. Brawer JR, et al. **Biol Reprod** 1986 Oct;35(3):647–55

Formation of polycystic ovary in mature rats by the long–term administration of human chorionic gonadotropin. Ota H, et al. **Tohoku J Exp Med** 1987 Jan; 151(1):33–40

COMPLICATIONS

Uterus didelphys associated with bilateral dermoid cysts and polycystic ovarian disease. Sørensen SS, et al. **Acta Obstet Gynecol Scand** 1987;66(2):171–3

Treatment of hirsutism in polycystic ovary syndrome with bromocriptine. Murdoch AP, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):358–65

Induction of ovulation in polycystic ovary syndrome with a combination of a luteinizing hormone–releasing hormone analog and exogenous gonadotropins. Charbonnel B, et al. **Fertil Steril** 1987 Jun;47(6):920–4

Pregnancy induced with menotropins in a woman with polycystic ovaries, endometrial hyperplasia, and adenocarcinoma. Muechler EK, et al. **Fertil Steril** 1986 Nov;46(5):973–5

Pseudo–precocious puberty associated with mediastinal teratoma and polycystic ovary. Porcelli F, et al. **Helv Paediatr Acta** 1985 Apr;40(1):75–82

Hirsutism and polycystic ovary syndrome. Givens JR, et al. **Hosp Pract [Off]** 1986 Oct 30;21(10A):81–4, 87–9, 93–4 passim

Induction of ovulation in polycystic ovary: human menopausal gonadotropin or human urinary follicle stimulating hormone? Venturoli S, et al. **Int J Fertil** 1987 Jan–Feb;32(1):66–70

Metabolic profile in obese women with the polycystic ovary syndrome. Lithell H, et al. **Int J Obes** 1987;11(1):1–8

Evidence for insulin resistance in nonobese patients with polycystic ovarian disease. Jialal I, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1066–9

Hyperandrogenism, hyperinsulinism and polycystic ovarian disease [letter] Pasquali R, et al. **J Endocrinol Invest** 1986 Dec;9(6):531–3

Female pseudohermaphroditism in a neonate born to a mother with polycystic ovarian disease. Bilowus M, et al. **J Urol** 1986 Nov;136(5):1098–100

[Pregnancy in women with hypothalamic failure and polycystic ovary syndrome] Warenik–Szymankiewicz A, et al. **Ginekol Pol** 1987 Jan;58(1):6–10 **(Pol)**

DIAGNOSIS

Sonography of the normal, prepubertal, and polycystic ovary: potential diagnostic pitfall [letter] Venta LA, et al. **Am J Dis Child** 1987 Apr;141(4):400

Prevalence of polycystic ovaries in women with anovulation and idiopathic hirsutism [letter] Gordon P, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):956–7

Normal ovarian function in a mild form of late–onset 3 beta–hydroxysteroid dehydrogenase deficiency. Medina M, et al. **Fertil Steril** 1986 Dec;46(6):1021–5

Androgen and insulin response to an oral glucose challenge in hyperandrogenic women. Smith S, et al. **Fertil Steril** 1987 Jul;48(1):72–7

Polycystic ovarian disease: US features in 104 patients. Yeh HC, et al. **Radiology** 1987 Apr;163(1):111–6

[Retrograde vascular catheterization as a differential diagnostic method of studying androgenization in the female] Seifert B, et al. **Zentralbl Gynakol** 1987; 109(8):487–92 (Eng. Abstr.) **(Ger)**

[Ultrasonic findings in polycystic ovary] Kawano M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):56–62 (Eng. Abstr.) **(Jpn)**

[A case of polycystic ovary disease in an adolescent 12 years old and 6 months postmenarche] Nakatani K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):708–11 **(Jpn)**

[Correlation of laparoscopic and histopathological findings in women with PCO (polycystic ovary syndrome)] Pilawski Z, et al. **Ginekol Pol** 1986 Apr;57(4):248–53 (Eng. Abstr.) **(Pol)**

[Role of laparoscopy in the evaluation of the ovaries in selected hormonal disorders] Sieja K, et al. **Ginekol Pol** 1987 Jan;58(1):17–20 (Eng. Abstr.) **(Pol)**

[Clinical and hormonal characteristics of the nonhirsute form of the sclerocystic ovary syndrome] Tsarikovskaia NG, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):41–4 (Eng. Abstr.) **(Rus)**

[Diagnostic value of the luliberin test with patients with polycystic ovaries] Tudose TI, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):36–40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A controlled clinical trial for the effect of bromocriptine on the adrenal contribution in polycystic ovarian disease. el Tabbakh GH, et al. **Acta Endocrinol (Copenh)** 1987 Feb; 114(2):161–5

Successful treatment of infertility due to polycystic ovary disease using a combination of luteinising hormone releasing hormone agonist and low dosage menotrophin. Armitage M, et al. **Br Med J [Clin Res]** 1987 Jul 11; 295(6590):96

Effect of a combination of ethinylestradiol and desogestrel in adolescents with oligomenorrhea and ovarian hyperandrogenism. Nappi C, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):209–19

Ovulation induction with pulsatile luteinizing releasing hormone in women with clomiphene citrate–resistant polycystic ovary–like disease: clinical results. Burger CW, et al. **Fertil Steril** 1986 Dec;46(6):1045–54

Spironolactone in the treatment of idiopathic hirsutism and the polycystic ovary syndrome. Evans DJ, et al. **J R Soc Med** 1986 Aug;79(8):451–3

Induction of ovulation in polycystic ovarian disease. Fleming R. **Prog Clin Biol Res** 1986;225:401–12

The additional use of buserelin in HMG–HCG ovulation induction in PCO: a double blind controlled study. Hompes PG, et al. **Prog Clin Biol Res** 1986;225:391–9

The effects of buserelin on the hormonal states in PCOD. Willemsen WN, et al. **Prog Clin Biol Res** 1986;225:377–89 (36 ref.)

[Regulating effect on the hypothalamo–hypophyseo–ovarian axis observed during the process of treating polycystic ovarian disease by tonifying the kidney and resolving phlegm] Yu J. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):218–21, 195–6 (Eng. Abstr.) **(Chi)**

[Ovulation induction with pulsatile gonadotropin–releasing hormone and continuous human menopausal gonadotropin in polycystic ovarian disease] Kuroda G. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar 20;63(3):247–59 (Eng. Abstr.) **(Jpn)**

[Effect of bromocriptine on polycystic ovary syndrome complicated by severe hypertension] Aiko A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2115–8 **(Jpn)**

[Polycystic ovary—classification and treatment by bromocriptine] Taketani Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1697–701 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Systematic studies invalidate the neonatally androgenized rat as a model for polycystic ovary disease. Jones HM, et al. **Biol Reprod** 1987 Jun;36(5):1253–65

Polycystic ovary syndrome: an enigma awaiting solution. Schwartz M, et al. **Bull NY Acad Med** 1987 Mar; 63(2):134–55

The evolution of polycystic ovaries in a girl with hypogonadotropic hypogonadism before puberty and during puberty induced with pulsatile gonadotropin–releasing hormone. Stanhope R, et al. **Fertil Steril** 1987 May;47(5):872–5

Lipid cell tumor of the ovary in reference to adult–onset congenital adrenal hyperplasia and polycystic ovary syndrome. A case report. Rosenfield RL, et al. **J Reprod Med** 1987 May;32(5):363–9

[Stein–Leventhal syndrome] Bednarek–Tupikowska G. **Przegl Lek** 1987;44(3):336–40 (27 ref.) **(Pol)**

FAMILIAL & GENETIC

C–band polymorphism of chromosome No. 1 in patients with polycystic ovary disease. Nur J, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):75–8

METABOLISM

Ovarian follicular fluid beta–endorphin levels in normal and polycystic ovaries. Aleem FA, et al. **Am J Obstet Gynecol** 1987 May;156(5):1197–200

Effects of multiple LH injections on the secretion of estrogens from polycystic ovaries of androgen–sterilized rats. Sawada T. **Endocrinol Jpn** 1987 Apr;34(2):273–7

Effects of luteinizing hormone and dibutyryl adenosine 3',5'–monophosphate in cultured granulosa cells from polycystic ovaries. Nakamura Y, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1156–62

Effects of multiple injections of LH on the secretion of pregnane compounds from polycystic ovaries of androgen–sterilized rats. Sawada T. **J Endocrinol** 1986 Sep; 110(3):507–10

Hirsutism, polycystic ovarian disease, and ovarian 17–ketosteroid reductase deficiency. Pang SY, et al. **N Engl J Med** 1987 May 21;316(21):1295–301

Peripheral dopamine metabolism in polycystic ovary syndrome. Barnes RB, et al. **Obstet Gynecol** 1987 Aug; 70(2):153–6

Compartmental ovarian steroidogenesis in polycystic ovary syndrome. Haney AF, et al. **Obstet Gynecol** 1986 Nov; 68(5):638–44

Ovarian membrane receptors for LH, FSH and prolactin during the menstrual cycle and in polycystic ovary syndrome. Ota H, et al. **Tohoku J Exp Med** 1986 Jul; 149(3):231–40

PATHOLOGY

Unilateral polycystic ovary. Case report. Polson DW, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1100–3

Laparoscopic assessment of gonadal function. Gu CX, et al. **Chin Med J [Engl]** 1986 May;99(5):369–75

[Mechanisms of the development of gametopathy] Nikitin AI, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):22–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

An intractable, ovary–independent impairment in hypothalamo–pituitary function in the estradiol–valerate–induced polycystic ovarian condition in the rat. Simard M, et al. **Biol Reprod** 1987 Jun;36(5):1229–37

Experimental micropolycystic ovarian disease. I. Measurement of body weight, ovarian weight and histochemical activity of 17 beta–hydroxysteroid dehydrogenase. Iannetta O, et al. **Braz J Med Biol Res** 1986;19(2):287–94

Dynamics of plasma gonadotropin and sex steroid release in polycystic ovarian disease after pituitary–ovarian inhibition with an analog of gonadotropin–releasing hormone. Calogero AE, et al. **J Clin Endocrinol Metab** 1987 May;64(5):980–5

[Follicular development in pregnancy and the polycystic ovarian syndrome] Chikazawa K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2195–200 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

[Results of the N5 questionnaire administered to women with the Stein–Leventhal syndrome] Raboch J Jr, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):215–8 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

[Pneumopelviography in the diagnosis of Stein–Leventhal syndrome and changes in cystic ovaries] Zych G. **Pol Tyg Lek** 1969 Dec 1;24(48):1843–5 (Eng. Abstr.) **(Pol)**

SURGERY

Endocrine changes after laparoscopic ovarian cautery in polycystic ovarian syndrome. Greenblatt E, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):279–85

THERAPY

Polycystic ovary syndrome. Vaitukaitis JL. **Compr Ther** 1986 Dec;12(12):32–7

[Effects of ovarian wedge resection (WR) and spironolactone administration on pulsatile LH release and serum steroid hormone levels in women with polycystic ovarian disease] Ohkochi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr;39(4):626–32 (Eng. Abstr.) **(Jpn)**

VETERINARY

[Nymphalon in cattle with cystic degenerated follicles] Rüsch P, et al. **Berl Munch Tierarztl Wochenschr** 1986 Aug 1; 99(8):272–4 (Eng. Abstr.) **(Ger)**

POLYCYTHEMIA

BLOOD

Erythropoietic factors in plasma from neonatal mice. In vivo studies by the exhypoxic polycythaemic mice assay for erythropoietin. Sanengen T, et al. **Acta Physiol Scand** 1987 Mar;129(3):381–6

Influence of intensity of bone marrow erythropoietic activity on radiosensitivity of mice. II. Effects of carbon monoxide induced hypererythropoiesis and polycythemia on ability of bone marrow to restitute erythropoiesis in irradiated recipients. Kwiek S Jr. **Acta Pol Pharm** 1986;43(4):366–70

Relative polycythemia and acute myocardial infarction. Karn K, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:241–6

Insulin stimulates cord blood erythroid progenitor growth: evidence for an aetiological role in neonatal polycythaemia. Perrine SP, et al. **Br J Haematol** 1986 Nov;64(3):503–11

Neonatal hyperviscosity syndromes. Black VD. **Curr Probl Pediatr** 1987 Feb;17(2):73–130 (127 ref.)

Patterns of in vitro BFU–E proliferation in different forms of polycythaemia and in thrombocythaemia. Eridani S, et al. **Eur J Haematol** 1987 Apr;38(4):363–9

Effects of haematocrit reduction on the haemoglobin–oxygen saturation curve in polycythaemia secondary to hypoxic lung disease. Wedzicha JA, et al. **Eur J Respir Dis [Suppl]** 1986;146:367–72

Peripheral blood lymphocyte subpopulations in patients with primary proliferative and secondary polycythaemia. Wilde JT, et al. **J Clin Pathol** 1987 Feb;40(2):206–9

Postnatal alteration in hematocrit and viscosity in normal and polycythemic infants. Ramamurthy RS, et al. **J Pediatr** 1987 Jun;110(6):929–34

Hb Kokura alpha 2 47 (CE5) Asp——Gly beta 2 in a French Jewish family. Delanoé–Garin J, et al. **Nouv Rev Fr Hematol** 1986;28(5):321–2

[Studies on whole blood viscosity in polycythemia vera: the evaluation on the effect of phlebotomy and the prevention of cerebral thromboembolism] Fujioka S. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1706–10 **(Jpn)**

[Leukocyte–thrombocyte interactions in chronic myeloleukemia and erythremia] Arkhipov BF, et al. **Ter Arkh** 1986;58(9):88–92 (Eng. Abstr.) **(Rus)**

[Characteristics of oxygen balance and acid–base equilibrium of the blood in patients with hereditary erythrocytosis] Dmitrieva MG, et al. **Ter Arkh** 1986;58(9):112–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Polycythaemia following renal transplantation: an association with azathioprine dosage? Webb DB, et al. **Am J Nephrol** 1987;7(3):221–5

Erythrocytosis induced by danazol in an anephric patient. Barton IK, et al. **Br Med J [Clin Res]** 1987 Mar 7; 294(6572):615

[Polycythemia during treatment with danazol (letter)] Lederlin P, et al. **Presse Med** 1986 Oct 25;15(37):1884–5 **(Fre)**

CLASSIFICATION

[Method for determining erythropoietin and its significance for the classification of polycythemias] Rotrekl B, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:299–304 **(Ger)**

COMPLICATIONS

Polycythemia in hypothyroid infants. Weinblatt ME, et al. **Am J Dis Child** 1987 Oct;141(10):1121–3

Polycythaemia study. A project of the Royal College of Physicians Research Unit. I. Objectives, background and design. Wetherley–Mein G, et al. **J R Coll Physicians Lond** 1987 Jan;21(1):7–16

Bleeding gastric varices due to splenic vein thrombosis associated with polycythaemia. Glynn MJ, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):60–2

Effect of the variation of hematocrit on the proteinuria of a patient with polycythemia and congenital heart disease. Loute G, et al. **Nephron** 1987;46(1):109–11

[Peripheral neuropathy in primary polycythemia (letter)] Leger JM, et al. **Presse Med** 1986 Nov 22;15(41):2075 **(Fre)**

[An autopsied case of pure erythrocytosis complicated with cerebral sinus thrombosis] Ueta I, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1141–5 **(Jpn)**

[Global low perfusion and latent ischemic lesions disclosed by PET and MRI in polycythemia hypertonica] Harada K, et al. **Rinsho Shinkeigaku** 1987 Apr;27(4):492–7 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

A prospective study of the value of bone marrow erythroid progenitor cultures in polycythemia. Lemoine F, et al. **Blood** 1986 Nov;68(5):996–1002

Blood volume measurement in pseudopolycythaemia—when and why? Marsh JC, et al. **Clin Lab Haematol** 1987; 9(2):115–22

Primary proliferative polycythaemia without splenomegaly: a diagnostic problem. Marsh JC, et al. **Clin Lab Haematol** 1987;9(2):123–8

Pseudopolycythaemia [editorial] **Lancet** 1987 Sep 12; 2(8559):603–4

Relative and absolute polycythemia. How to tell them apart. Silverstein MN. **Postgrad Med** 1987 Apr;81(5):285–8

ETIOLOGY

Adrenal hemangioblastoma in Von Hippel–Lindau disease as a cause of secondary erythrocytosis. Burns C, et al. **Am J Med Sci** 1987 Feb;293(2):119–21

Intermittent hypoxia in patients with unexplained polycythaemia. Moore–Gillon JC, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):588–90

Intermittent hypoxia in patients with unexplained polycythaemia [letter] Tirlapur VG. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1172–3

Polycythemia in pediatric renal transplantation. Sinnassamy P, et al. **Clin Nephrol** 1987 May;27(5):242–4

Polycythemia in a young patient with chronic renal insufficiency and bilateral hydronephrosis. Gouraud F, et al. **Int J Pediatr Nephrol** 1987 Jan–Mar;8(1):51–3

Renal artery stenosis, erythrocytosis and renal artery occlusion [letter] Salahudeen AK. **Nephrol Dial Transplant** 1987;2(1):53–4

Polycythemia of end–stage renal failure: no inhibition of erythropoiesis by uremic serum and markedly increased serum erythropoietin level. Muto S, et al. **Nephron** 1987; 46(1):34–6

Spurious polycythemia and renal malignancy. Hanna WT, et al. **South Med J** 1987 Aug;80(8):1062–3

[Polycythemia in liver diseases] Desaint B, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):399–404 (67 ref.) **(Fre)**

[Pure erythrocytosis and elevated erythropoietin. Review of the literature and description of a clinical case complicated by Budd–Chiari syndrome] Rosselli A, et al. **G Clin Med** 1987 Feb;68(2):103–6 (Eng. Abstr.) **(Ita)**

[Leydig cell tumor of the testis with raised blood testosterone and erythrocytosis] Foresti V, et al. **Recenti Prog Med** 1987 Feb;78(2):73–5 (Eng. Abstr.) **(Ita)**

[A case report of beta–thalassemia minor with marked erythrocytosis] Shindo T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1325–8 (Eng. Abstr.) **(Jpn)**

[Polycythemia and smoking] Waage A, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):354–5 (Eng. Abstr.) **(Nor)**

[Polycythemia in a case of cerebellar hemangioblastoma] Lebkowski J, et al. **Pol Tyg Lek** 1969 Dec 1;24(48):1860–1 (Eng. Abstr.) **(Pol)**

[Acute terminal erythremia in a Bence–Jones myeloma patient (letter)] Woessner S, et al. **Sangre (Barc)** 1986; 31(4):506–7 **(Spa)**

FAMILIAL & GENETIC

A new family with hereditary choreo–acanthocytosis. Villegas A, et al. **Acta Haematol (Basel)** 1987;77(4):215–9

Erythrocytosis and complex Ph translocation 46,XY,t(9;11;22) in a patient with chronic myelogenous leukemia. Kubota K, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):359–62

METABOLISM

The fate of intravenously administered hepatic ferritin in normal, phenylhydrazine–treated and scorbutic guinea–pigs. Simon M, et al. **Br J Haematol** 1987 Feb; 65(2):239–43

[Carbohydrate metabolism of patients with polycythemia vera and symptomatic polycythemia] Kotsiubinskiĭ NN, et al. **Klin Med (Mosk)** 1986 Sep;64(9):95–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effects of anaemia and stepwise–induced polycythaemia on maximal aerobic power in individuals with high and low haemoglobin concentrations. Celsing F, et al. **Acta Physiol Scand** 1987 Jan;129(1):47–54

Maximum myocardial oxygen transport during anemia and polycythemia in dogs. Baer RW, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1086–95

Smoking, drinking and polycythemia [letter] Allen MB, et al. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):697

Effect of hematocrit on cerebral blood flow with induced polycythemia. Massik J, et al. **J Appl Physiol** 1987 Mar; 62(3):1090–6

Influence of polycythemia on blood volume and thermoregulation during exercise–heat stress. Sawka MN, et al. **J Appl Physiol** 1987 Mar;62(3):912–8

Effect of graded erythrocythemia on cardiovascular and metabolic responses to exercise. Spriet LL, et al. **J Appl Physiol** 1986 Nov;61(5):1942–8

Hemodynamic consequences of neonatal polycythemia. Swetnam SM, et al. **J Pediatr** 1987 Mar;110(3):443–7

[Polycythemia in patients with chronic respiratory insufficiency] Offenstadt G, et al. **Rev Pneumol Clin** 1986; 42(4):187–93 (Eng. Abstr.) **(Fre)**

SURGERY

[Operative bleeding tendency in patients with polycythemia in plateau regions] Liu YM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):461–3, 508–9 (Eng. Abstr.) **(Chi)**

THERAPY

Treatment of primary proliferative polycythaemia by venesection and busulphan [letter] D'Emilio A, et al. **Br J Haematol** 1987 Jan;65(1):121–2

Relative erythrocytosis: an approach to the patient. Lederle FA. **J Gen Intern Med** 1987 Mar–Apr;2(2):128–30

Partial exchange transfusion in term, polycythemic neonates: absence of association with severe gastrointestinal injury. Hein HA, et al. **Pediatrics** 1987 Jul;80(1):75–8

[Care in neonatal polycythemia children treated by partial exchange transfusion therapy] Wang S. **Chung Hua Hu Li Tsa Chih** 1986 Nov;21(8):348–9 **(Chi)**

[Improvement of polycythemia and renin–dependent hypertension of a renal transplant patient after removal of bilateral native kidneys: a case report] Hasunuma K, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1136–40 **(Jpn)**

POLYCYTHEMIA VERA

BLOOD

Intracellular growth factors in polycythemia vera and other myeloproliferative disorders. Eid J, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):532–6

[A case with polycythemia vera, presenting subnormal platelet response to thromboxane A2] Yoshioka N, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):404–8 **(Jpn)**

[Erythron in patients with polycythemia vera during treatment by erythrocytapheresis and bloodletting] Gudim VI, et al. **Ter Arkh** 1987;59(6):48–51 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Polycytaemia vera associated with thymoma. Case report. Voigt S. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep;94(5):351–2

Polycythaemia rubra vera and water–induced pruritus: blood histamine levels and cutaneous fibrinolytic activity before and after water challenge. Steinman HK, et al. **Br J Dermatol** 1987 Mar;116(3):329–33

Prostatocutaneous urinary fistula to the thigh after retropubic prostatectomy in a patient with polycythaemia rubra vera. Snooks SJ, et al. **Br J Urol** 1986 Oct;58(5):558

Malignant histiocytosis occurring with acute myelogenous leukemia in a patient with longstanding polycythemia vera. Baer MR, et al. **Cancer** 1987 Feb 1;59(3):489–95

Polycythaemia rubra vera transforming to acute lymphoblastic leukaemia. Aitchison R, et al. **Clin Lab Haematol** 1987;9(2):201–4

Oesophageal apoplexy associated with aspirin ingestion in polycythaemia rubra vera [letter] Chapman CS, et al. **Clin Lab Haematol** 1986;8(3):265–6

Watershed infarction in a case of polycythemia vera. Yazdi R, et al. **Clin Nucl Med** 1986 Sep;11(9):665–6

Polycythemia induced metatarsalgia. A case report. Marcinko DE, et al. **J Am Podiatr Med Assoc** 1986 Sep; 76(9):511–3

Bath–time itch and polycythaemia rubra vera [letter] Wong P, et al. **Med J Aust** 1987 Mar 16;146(6):336

Disseminated intravascular coagulation following first trimester abortion in polycythemia vera. Increased platelet count apparently contributed to fatal outcome. Crowley JP, et al. **RI Med J** 1987 Mar;70(3):109–12

[Budd–Chiari syndrome and Vaquez disease: apropos of a case. Results of medical and surgical treatment of Budd–Chiari syndrome] Szappanyos–Vuaridel D, et al.

Schweiz Med Wochenschr 1986 Nov 22;116(47):1648–51 (Eng. Abstr.) **(Fre)**
[Polycythemia vera associated with marked pancytopenia in transition from the polycythemic stage to leukemia—a case report] Kamei T, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):239–43 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Differentiation between essential thrombocythemia and polycythemia vera with marked thrombocytosis. Iland HJ, et al. **Am J Hematol** 1987 Jun;25(2):191–201
Polycythemia rubra vera [clinical conference] **NY State J Med** 1986 Nov;86(11):564–70

DRUG THERAPY

Comparison of the effects of acylpyrin, curantyl and ticlid on some platelet functions in patients with polycythemia vera. Indrák K, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:331–52
6-Thioguanine treatment for polycythemia vera and essential thrombocythemia. Delfini C, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):273–5
Decreasing risk of leukaemia during prolonged follow-up after mitobronitol therapy for polycythaemia vera [letter] Kelemen E, et al. **Lancet** 1987 Sep 12;2(8559):625
Hydroxyurea in the treatment of polycythemia vera: a prospective study of 100 patients over a 20-year period. West WO. **South Med J** 1987 Mar;80(3):323–7
[Evaluation of clinical usefulness of thiamphenicol in the management of patients with polycythemia vera] Yamauchi H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1843–9 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Erythrocyte enzymes in polycythemia vera: a comparison to erythrocyte enzyme activities of patients with iron deficiency anemia. Avissar N, et al. **Acta Haematol (Basel)** 1986;76(1):37–43
Myeloproliferative syndrome evolving in a patient with macromolecular lactate dehydrogenase. Buda EM, et al. **Arch Intern Med** 1987 Feb;147(2):390–2

ETIOLOGY

Polycythemia vera among participants of a nuclear weapons test [letter] **JAMA** 1987 Mar 6;257(9):1178–9

FAMILIAL & GENETIC

A chromosomal profile of polycythemia vera. Rege-Cambrin G, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):233–45

METABOLISM

[Oxygen supply of skeletal muscle in anemia and polycythemia] Maslennikova LS. **Fiziol Zh SSSR** 1987 Jun; 73(6):821–5 (Eng. Abstr.) **(Rus)**
[Carbohydrate metabolism of patients with polycythemia vera and symptomatic polycythemia] Kotsiubinskii NN, et al. **Klin Med (Mosk)** 1986 Sep;64(9):95–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Mycological studies in polycythemia vera] Sobótka S, et al. **Pol Tyg Lek** 1969 Dec 1;24(48):1853 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Polycythemia vera in a small Ohio town. Bender GP, et al. **Ohio State Med J** 1986 Sep;82(9):631, 633, 635

PATHOLOGY

Skin mast cells in polycythaemia vera: relationship to the pathogenesis and treatment of pruritus. Jackson N, et al. **Br J Dermatol** 1987 Jan;116(1):21–9
Severe erosive lichen planus and polycythemia vera in an adolescent. Berbis P, et al. **Dermatologica** 1987;174(5):244–8
Effects of cytapheresis on cell cycle distribution of peripheral blood and bone marrow cells in some hematological malignancies. Kotelnikov VM, et al. **Leuk Res** 1987; 11(4):397–403
[Megakaryoblastic transformation in polycythemia vera—a case of megakaryoblastic leukemia associated with myelofibrosis and elevation of serum PDGF-like activity] Oda K, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2118–23 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Polycythemia vera, diagnosis and treatment. Conley CL. **Hosp Pract [Off]** 1987 Mar 15;22(3):181–5, 189–200, 205–10
Rheographic vascular manifestations in some rare malignant hemopathies. Gusti S, et al. **Physiologie** 1987 Apr–Jun; 24(2):131–4

THERAPY

Current uses of phlebotomy therapy. Weintraub LR. **Hosp Pract [Off]** 1987 Jun 15;22(6):251–4, 256
[Polyglobulia vera. Difficulties and complications of treatment by phlebotomy] Arrago JP, et al. **Presse Med** 1987 Feb 21;16(6):291–4 (Eng. Abstr.) **(Fre)**

VETERINARY

Polycythaemia vera in a dog. Holden AR. **Vet Rec** 1987 May 15;120(20):473–5

POLYDEOXYRIBONUCLEOTIDE SYNTHETASES see under **POLYNUCLEOTIDE SYNTHETASES**

POLYDEOXYRIBONUCLEOTIDES

Different behavior of the octadeoxynucleotides d(A–T)4 and d(T–A)4 at high concentrations of cesium fluoride. Vorlíčková M, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1158–63
Kinetic studies of actinomycin D binding to mono-, oligo-, and polynucleotides. Brown SC, et al. **Biochemistry** 1987 Jan 13;26(1):277–82
Inhibition of the thermally driven B to Z transition by intercalating drugs [published erratum appears in Biochemistry 1987 Mar 24;26(6):1794] Chaires JB. **Biochemistry** 1986 Dec 30;25(26):8436–9
Sequence-dependent cooperative interactions in A/T-containing oligo- and polydeoxyribonucleotides. Jones RL, et al. **Biochemistry** 1986 Nov 18;25(23):7431–9
Stopped-flow kinetic analysis of the interaction of anthraquinone anticancer drugs with calf thymus DNA, poly[d(G–C)].poly[d(G–C)], and poly[d(A–T)].poly[d(A–T)]. Krishnamoorthy CR, et al. **Biochemistry** 1986 Oct 7;25(20):5933–40
Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron-porphyrins. Le Doan T, et al. **Biochemistry** 1986 Nov 4;25(22):6736–9
The B-Z conformational transition and aggregation of poly[d(G–C)] induced by moderate concentrations of Mg(ClO4)2. Hamori E, et al. **Biophys Chem** 1987 May 9; 26(2–3):375–83
The effect of intercalator structure on binding strength and base-pair specificity in DNA interactions. Wilson WD, et al. **Biophys Chem** 1986 Jul;24(2):101–9
Poly[d(A–T)–Cs+] conformations studied by IR spectroscopy. Adam S, et al. **Biopolymers** 1987 Feb; 26(2):251–60
Comparison of the effects of cationic porphyrins on DNA properties: influence of GC content of native and synthetic polymers. Banville DL, et al. **Biopolymers** 1986 Oct; 25(10):1837–58
Base tilt of B-form poly[d(G)]-poly[d(C)] and the B- and Z-conformations of poly[d(GC)]-poly[d(GC)] in solution. Edmondson SP, et al. **Biopolymers** 1986 Dec; 25(12):2335–48
DNA polymorphism: spectroscopic and electro-optic characterizations of Z-DNA and other types of left-handed helical structures induced by Ni2+. Hacques MF, et al. **Biopolymers** 1986 Dec;25(12):2281–93
Calculations on the effect of methylation on the electrostatic stability of the B- and Z-conformers of DNA. Pack GR, et al. **Biopolymers** 1986 Sep;25(9):1697–715
Reversal of the long-wavelength CD band of poly(dI-dC).poly(dI-dC) on specific interaction with the 33–58 peptide fragment of the lac repressor. Rao MV, et al. **Biopolymers** 1987 Mar;26(3):329–32
Conformation of the oligonucleotide d(AAAAAATTTTTT)2 by two-dimensional nuclear Overhauser effect spectroscopy and its relevance to poly(dA).poly(dT). Roy S, et al. **Biopolymers** 1987 Apr; 26(4):525–36
Psi compaction of poly[d(AT)].poly[d(AT)]. Shin YA, et al. **Biopolymers** 1986 Nov;25(11):2133–48
A circular dichroism study of the binding of CC-1065 to B and Z form poly(dI-5BrdC).poly(dI-5BrdC). Krueger WC, et al. **Chem Biol Interact** 1987;62(3):281–95
The binding of CC-1065 to thymidine and deoxyadenosine oligonucleotides and to poly(dA).poly(dT). Krueger WC, et al. **Chem Biol Interact** 1986 Jul–Aug;59(1):55–72
Endonuclease G: a (dG)n X (dC)n-specific DNase from higher eukaryotes. Ruiz-Carrillo A, et al. **EMBO J** 1987 Feb;6(2):401–7
Normal coordinate analysis of 2'-deoxythymidine and 2'-deoxyadenosine. Letellier R, et al. **Eur Biophys J** 1987; 14(7):423–30
Interaction of synthetic analogs of distamycin with DNA. Role of the conjugated N-methylpyrrole system in specificity of binding. Parrack P, et al. **FEBS Lett** 1987 Feb 23;212(2):297–301
Reaction of chloroacetaldehyde with poly(dA-dT) and poly(dC-dG) and its effect upon the accuracy of DNA synthesis. Saffhill R, et al. **IARC Sci Publ** 1986;(70):339–43
EXAFS studies of the calcium salts of natural DNA and polydA:polydT. Skuratovskii IYa, et al. **J Inorg Biochem** 1987;29(4):249–57
1H nuclear magnetic resonance study of the dynamic properties of the B and Z-forms of poly[d(A–br5C).d(G–T)]. Mirau PA, et al. **J Mol Biol** 1986 Dec 5;192(3):633–43
Poly(dA).poly(dT) is a B-type double helix with a distinctively narrow minor groove. Alexeev DG, et al. **Nature** 1987 Feb 26–Mar 4;325(6107):821–3
Circular dichroism of two conformations of poly[d(G–C)] induced by low pH. Antao VP, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10091–112
A stopped-flow H-D exchange kinetic study of spermine-polynucleotide interactions. Basu HS, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5873–86
Anomalous structure and properties of poly (dA).poly(dT). Computer simulation of the polynucleotide structure with the spine of hydration in the minor groove. Chuprina VP. **Nucleic Acids Res** 1987 Jan 12;15(1):293–311
Unique poly(dA).poly(dT) B'-conformation in cellular and synthetic DNAs. Diekmann S, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6063–74
Structural forms, stabilities and transitions in double-helical poly(dG-dC) as a function of hydration and NaCl content. An infrared spectroscopic study. Keller PB, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8167–82
The structure of poly(dA):poly(dT) in a condensed state and in solution. Lipanov AA, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5833–44
Characterization of the ternary complexes formed in the reaction of cis-diamminedichloroplatinum (II), ethidium bromide and nucleic acids. Malinge JM, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1779–97
Comparison of the reactivity of B-DNA and Z-DNA with two isosteric chemical carcinogens: 2-N,N-acetoxyacetylaminofluorene and 3-N,N-acetoxyacetylamino-4,6-dimethyldipyrido-[1,2-a:3',2'-d] imidazole. Marrot L, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5629–42
The alternating conformation of analogues of poly[d(AT)]. Reid RS, et al. **Nucleic Acids Res** 1987 May 26; 15(10):4325–35
Z form of poly d(A–C).poly d(G–T) in solution studied by Raman spectroscopy. Ridoux JP, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5813–22
Methylation and restriction endonuclease cleavage of linear Z-DNA in the presence of hexammineCobalt (III) ions. Soslau G, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7237–52
Laser flash spectroscopy of methylene blue with nucleic acids. Kelly JM, et al. **Photochem Photobiol** 1987 Feb; 45(2):167–75
Vacuum ultraviolet circular dichroism of double stranded nucleic acids. Sutherland JC, et al. **Photochem Photobiol** 1986 Sep;44(3):295–301
[Study of conformation characteristics of polydeoxyribonucleotides with non-random base sequence by slow 1H-----3H exchange] Lesnik EA, et al. **Mol Biol (Mosk)** 1987 Mar–Apr;21(2):422–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Single-strand binding proteins from phage T4 and E. coli form higher order structures with poly(dT). Boidot-Forget M, et al. **Biochimie** 1986 Sep;68(9):1129–34
Influence of the base sequence on the conformational behaviour of DNA polynucleotides in solution. Rinkel LJ, et al. **Eur J Biochem** 1987 Jul 1;166(1):87–101
Influence of N6-methylation of residue A(5) on the conformational behaviour of d(C–C–G–A–A–T–T–C–G–G) in solution studied by 1H-NMR spectroscopy. 2. The hairpin form. Rinkel LJ, et al. **Eur J Biochem** 1987 Mar 2;163(2):287–96
Influence of N6-methylation of residue A(5) on the conformational behaviour of d(C–C–G–A–A–T–T–C–G–G) in solution studied by 1H-NMR spectroscopy. 1. The duplex form. Rinkel LJ, et al. **Eur J Biochem** 1987 Mar 2;163(2):275–86
NMR relaxation and the structure of a synthetic DNA poly(dA–dT).poly(dA–dT). Kypr J, et al. **Gen Physiol Biophys** 1986 Feb;5(1):77–87
(A–T)n tracts embedded in random sequence DNA--formation of a structure which is chemically reactive and torsionally deformable. McClellan JA, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9291–309
The rat prolactin gene contains at least six poly(dT-dG).poly(dC-dA) repeats. McFarlane D, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7805

GENETICS

(dC–dA)n.(dG–dT)n sequences have evolutionarily conserved chromosomal locations in Drosophila with implications for roles in chromosome structure and function. Pardue ML, et al. **EMBO J** 1987 Jun;6(6):1781–9
Effects of poly[d(pGpT).d(pApC)] and poly[d(pCpG).d(pCpG)] repeats on homologous recombination in somatic cells. Bullock P, et al. **Mol Cell Biol** 1986 Nov;6(11):3948–53
The evolutionarily conserved repetitive sequence d(TG.AC)n promotes reciprocal exchange and generates unusual recombinant tetrads during yeast meiosis. Treco D, et al. **Mol Cell Biol** 1986 Nov;6(11):3934–47

IMMUNOLOGY

A monoclonal antibody to triplex DNA binds to eucaryotic chromosomes. Lee JS, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1047–61

METABOLISM

Binding of IKe gene 5 protein to polynucleotides. Fluorescence binding experiments of IKe gene 5 protein and mutual cooperativity of IKe and M13 gene 5 proteins. de Jong EA, et al. **Biochemistry** 1987 Apr 7;26(7):2039–46
Complexes of the single-stranded DNA-binding protein from Escherichia coli (Eco SSB) with poly(dT). An investigation

of their structure and internal dynamics by means of electron microscopy and NMR. Greipel J, et al. **Biophys Chem** 1987 May 9;26(2–3):149–61

Spectroscopic studies on double-stranded poly d[(G–C)(G–C)] in B and Z form after covalent modification with the anti diastereomer of trans-7,8-dihydroxy-9,10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene. Zegar I, et al. **Carcinogenesis** 1987 Jul;8(7):899–905

Rates of heat-induced pyrimidine alterations in synthetic polydeoxyribonucleotides. Duker NJ. **Chem Biol Interact** 1986 Dec;60(3):265–73

Structural analysis of 5S rRNA, 5S rRNA–protein complexes and ribosomes employing RNase H and d(GTTCGG). Lorenz S, et al. **Eur J Biochem** 1987 Mar 2;163(2):239–46

Preferential binding of DNA methyltransferase and increased de novo methylation of deoxyinosine containing DNA. Pfeifer GP, et al. **FEBS Lett** 1986 Oct 20;207(1):75–8

The binding of the antitumor antibiotic chartreusin to poly(dA–dT).poly(dA–dT), poly(dG–dC).poly(dG–dC), calf thymus DNA, transfer RNA, and ribosomal RNA. Krueger WC, et al. **J Antibiot (Tokyo)** 1986 Sep; 39(9):1298–303

Optically detected magnetic resonance of tryptophan residues in Escherichia coli ssb gene product and E. coli plasmid-encoded single-stranded DNA-binding proteins and their complexes with poly(deoxythymidylic) acid. Casas-Finet JR, et al. **J Biol Chem** 1987 Jun 25; 262(18):8574–83

Sequence-dependent S1 nuclease hypersensitivity of a heteronomous DNA duplex. Evans T, et al. **J Biol Chem** 1986 Nov 5;261(31):14771–80

RecA independent recombination of poly[d(GT)-d(CA)] in pBR322. Murphy KE, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7325–40

Molecular mechanical simulations on double intercalation of 9-amino acridine into d(CGCGCGC) X d(GCGCGCG): analysis of the physical basis for the neighbor-exclusion principle. Rao SN, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5735–9

Oligo(alpha-deoxynucleotide)s covalently linked to intercalating agents: differential binding to ribo- and deoxyribopolynucleotides and stability towards nuclease digestion. Thuong NT, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5129–33

Macromolecular crowding increases binding of DNA polymerase to DNA: an adaptive effect. Zimmerman SB, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1871–5

Nucleic acid–binding activities of the intermediate filament subunit proteins desmin and glial fibrillary acidic protein. Vorgias CE, et al. **Z Naturforsch [C]** 1986 Sep–Oct; 41(9–10):897–909

[Eukaryotic and prokaryotic DNA-polymerase. II. The role of internucleotide phosphate groups of a template in its binding with the enzyme] Nevinskil GA, et al. **Bioorg Khim** 1987 Jan;13(1):58–68 (Eng. Abstr.) **(Rus)**

[Prokaryotic and eukaryotic DNA-polymerase. I. The role of internucleotide phosphate groups in the binding of a primer with the enzyme] Nevinskil GA, et al. **Bioorg Khim** 1987 Jan;13(1):45–57 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of heparin and defibrinotide on malignant hypertension in rats. Kamitsuji H, et al. **Clin Exp Hypertens [A]** 1986;8(6):1009–32

Defibrotide, an antithrombotic substance which prevents myocardial contracture in ischemic rabbit heart. Berti F, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):375–82

RADIATION EFFECTS

The photoreactivity of pyrimidine-purine sequences in some deoxydinucleoside monophosphates and alternating DNA copolymers. Kumar S, et al. **Photochem Photobiol** 1987 May;45(5):571–9

Fluence-rate dependence of monophotonic reactions of nucleic acids in vitro and in vivo. Lang H, et al. **Photochem Photobiol** 1986 Nov;44(5):565–70

THERAPEUTIC USE

Prevention of vascular graft lesions in renal transplant recipients with a new antithrombotic agent (defibrotide): a controlled study. Frascà GM, et al. **Life Support Syst** 1986 Jul–Sep;4(3):231–7

[Prevention of deep venous thrombosis with defibrotide in chest surgery. Controlled multicenter study versus heparin] Rizzi A, et al. **Minerva Med** 1987 Jun 15;78(11):745–50 (Eng. Abstr.) **(Ita)**

POLYENES

Deuterium nuclear magnetic resonance spectroscopic study of the fluorescent probe diphenylhexatriene in model membrane systems. Kintanar A, et al. **Biochemistry** 1986 Oct 21;25(21):6517–24

Parallel investigation of exocytosis kinetics and membrane fluidity changes in human platelets with the fluorescent probe, trimethylammonio-diphenylhexatriene. Kubina M, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):138–46

Labeling of cholesterol with filipin in cellular membranes of parenchymatous organs. Standardization of incubation conditions. Ginsbach C, et al. **Histochemistry** 1987; 86(3):241–8

Evaluation of apheresis platelet concentrates stored for 5 days in PL 732 bags. Kiraly TR, et al. **J Clin Apheresis** 1987; 3(3):178–80

Evolution of metabolic and endocrine function in ten neoprene-injected segmental pancreas allografts at three to 54 months after transplantation, versus preliminary results in nine whole pancrease allografts with enteric diversion. Cantarovich D, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):2310–3

ADMINISTRATION & DOSAGE

Dose-response relationship for chromosome aberrations induced by fecapentaene-12 in human lymphocytes. Schmid E, et al. **Mutat Res** 1987 May;191(1):5–7

[Polyene fatty acids and prostaglandin biosynthesis] Adam O. **Verh Dtsch Ges Inn Med** 1986;92:600–10 **(Ger)**

[Structure and administration of polyene fatty acids] Billek G. **Verh Dtsch Ges Inn Med** 1986;92:588–95 **(Ger)**

ADVERSE EFFECTS

Allergic contact dermatitis from Stomadhesive paste. Heskel NS. **Contact Dermatitis** 1987 Mar;16(3):119–21

BLOOD

Membranes modification of differentiating proerythroblasts. Variation of 1,6-diphenyl-1,3,5-hexatriene lifetime distributions by multifrequency phase and modulation fluorimetry. Parasassi T, et al. **Biochim Biophys Acta** 1987 Apr 9;898(2):196–201

DIAGNOSTIC USE

Filipin and digitonin studies of cell membrane changes during junction breakdown in the dystrophic rat retinal pigment epithelium. Caldwell RB. **Curr Eye Res** 1987 Mar; 6(3):515–26

[Mechanism of change in the fluorescence parameters of pyrene and diphenylhexatriene in irradiated membranes] Fomenko BS, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):85–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The precursors of fecapentaenes. A preliminary report. Van Tassell RL, et al. **Ann Ist Super Sanita** 1986;22(3):933–41

METABOLISM

Filipin-sterol complexes at Schmidt-Lanterman incisures. Blanchard CE, et al. **Acta Neuropathol (Berl)** 1987; 72(4):355–61

Anisotropy decay of diphenylhexatriene in melittin–phospholipid complexes by multifrequency phase-modulation fluorometry. Faucon JF, et al. **Arch Biochem Biophys** 1987 Jan;252(1):245–58

A freeze-fracture cytochemical study of filipin-sterol complexes in pulp fibroblasts of the rat incisor. Cho MI, et al. **Arch Oral Biol** 1986;31(8):549–54

Filipin–cholesterol binding in CNS axons prior to myelination: evidence for microheterogeneity in premyelinated axolemma. Fields RD, et al. **Brain Res** 1987 Feb 24;404(1–2):21–32

Quantitative freeze-fracture and filipin–binding study of retinal pigment epithelial–cell basal membranes in diabetic rats. Caldwell RB, et al. **Exp Eye Res** 1987 Feb; 44(2):245–59

PHARMACODYNAMICS

Modulation of an acetylcholine receptor responsiveness by filipin and chlorpromazine studied in neurons of Aplysia californica. Fossier P, et al. **Cell Mol Neurobiol** 1987 Mar; 7(1):49–59

Influence of the membrane undercoat on filipin perturbation of the red blood cell membrane. Clark MR, et al. **Exp Cell Res** 1987 Aug;171(2):321–30

Plasmalemmal vesicles and the effects of sterol-binding agents in rabbit aortic endothelium. Simons HL, et al. **J Cell Sci** 1986 Jul;83:141–53

Synthesis and biological activity of analogs of fecapentaene-12. Govindan SV, et al. **J Nat Prod** 1987 Jan–Feb;50(1):75–83

[Modulation of macrophage-mediated cytotoxic activity. III. Effect of fusarin C on macrophage-mediated cytotoxic activity] Dong ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):440–4 (Eng. Abstr.) **(Chi)**

[Effect of filipin, a polyene antibiotic, on human tumor cell killing in vitro by peplomycin] Urade M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3244–50 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Local treatment of candidal vaginitis with a mepartricin–sodium lauryl sulfate complex. Godts P. **Arzneimittelforschung** 1987 May;37(5):577–9

[Mepartricin in the treatment of prostatic hypertrophy and correlated sexual disorders] Buffa G, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):121–4 (Eng. Abstr.) **(Ita)**

TOXICITY

Genotoxicity of fecapentaene-12 in bacterial and mammalian cell assay systems. Curren RD, et al. **Carcinogenesis** 1987 Feb;8(2):349–52

Investigations on the carcinogenicity of fusarin C—a mutagenic metabolite of Fusarium moniliforme. Gelderblom WC, et al. **Carcinogenesis** 1986 Nov; 7(11):1899–901

[Results and prospects for toxicologic research in the hygienic evaluation of new polymers of the polyolefin class for the food industry and divisions of the agro-industrial complex] Braun DD. **Gig Sanit** 1987 Feb;(2):57–60 (21 ref.) **(Rus)**

POLYESTERS

A randomised comparison of polydioxanone (PDS) and polypropylene (Prolene) for abdominal wound closure. Cameron AE, et al. **Ann R Coll Surg Engl** 1987 May; 69(3):113–5

Arterial regeneration over polydioxanone prostheses in the rabbit. Greisler HP, et al. **Arch Surg** 1987 Jun;122(6):715–21

Segmental uterine horn replacement in the rat using a biodegradable microporous synthetic tube. Jonkman MF, et al. **Artif Organs** 1986 Dec;10(6):475–80

Evaluation of a new vascular graft prosthesis fabricated from ultrafine polyester fiber. Noishiki Y, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):309–14

Resorbable materials of poly(L-lactide). VI. Plates and screws for internal fracture fixation. Leenslag JW, et al. **Biomaterials** 1987 Jan;8(1):70–3

In vivo quantification of cell–polymer interactions. Schakenraad JM, et al. **Biomaterials** 1987 May;8(3):207–10

Evaluation of the polyester gel barrier Microtainer. Kupke IR. **Clin Chem** 1987 Aug;33(8):1468–9

The use of absorbable suture: morphological findings in a newborn three months after coarctation repair. Zannini L, et al. **Ital J Surg Sci** 1986;16(4):297–300

A histologic and mechanical evaluation of carbon-coated polyester suture. Cook SD, et al. **J Biomed Mater Res** 1986 Nov–Dec;20(9):1347–57

Integrity of polydioxanone sutures: a case report. Deacon J, et al. **J Cataract Refract Surg** 1986 Sep;12(5):540–2

Resorbable poly(L-lactide) plates and screws for the fixation of zygomatic fracture. Bos RR, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):751–3

Abdominal wound closure with polydioxanone (PDS). Binnie NR, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):147–50

Resin corrosion cast (Mercox) in experimental evaluation of small vessel anastomosis. Kanaujia RR, et al. **J Reconstr Microsurg** 1986 Jul;2(4):213–20

The use of absorbable monofilament polydioxanone suture in pediatric cardiovascular operations. Myers JL, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):771–5

Use of polydioxanone absorbable monofilament sutures in orthopedic surgery. Miles JS. **Orthopedics** 1986 Nov; 9(11):1533–6

Subclavian flap angioplasty with absorbable suture polydioxanone (PDS). An experimental study in growing piglets. Friberg LG, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):9–14

[Synthetic absorbable PDS explant for the treatment of retinal detachment] Marti R, et al. **J Fr Ophtalmol** 1986; 9(5):373–9 (Eng. Abstr.) **(Fre)**

[PDS splint in the treatment of fractures] Haas HG. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):295–7 (Eng. Abstr.) **(Ger)**

[Treatment of osseous ruptures of the flexor tendons with resorbable materials] Rustemeier M, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):302–3 (Eng. Abstr.) **(Ger)**

[Resorbable PDS splints in fracture stabilization and for arthrodeses of the hand] Wüstner MC, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):298–301 (Eng. Abstr.) **(Ger)**

[Intracutaneous skin suture with a resorbable synthetic monofilament suture] Greve H, et al. **Langenbecks Arch Chir** 1986;368(1):57–63 (Eng. Abstr.) **(Ger)**

[Closure of median sternotomy with resorbable synthetic sutures] Greve H, et al. **Langenbecks Arch Chir** 1986; 368(1):65–71 (Eng. Abstr.) **(Ger)**

[Treatment of female urinary stress incontinence with a Zoedler suspension-plasty and a new, stable, radiopaque polyester sling] Steffens J, et al. **Urologe [A]** 1987 May; 26(3):146–51 (Eng. Abstr.) **(Ger)**

[Polyester matrix bands in cosmetic dentistry] Sbordone R, et al. **Minerva Stomatol** 1987 Jan–Feb;36(1–2):23–8 (Eng. Abstr.) **(Ita)**

[Experimental studies using Polish-produced polyester implants in retinal detachment surgery. Remote results] Gerkowicz K, et al. **Klin Oczna** 1986 Aug;88(8):278–80 (Eng. Abstr.) **(Pol)**

[Experimental studies on using new Polish polyester threads as suture materials] Bielska-Falda H, et al. **Polim Med** 1986; 16(3–4):111–21 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Polydioxanone suture in the gastrointestinal tract. Gillatt DA, et al. **Ann R Coll Surg Engl** 1987 Mar;69(2):54–6

Contact sensitivity to unsaturated polyester resin in a limb

prosthesis. MacFarlane AW, et al. **Contact Dermatitis** 1986 Nov;15(5):301–3

Integrity of polydioxanone sutures: a case report. Deacon J, et al. **J Cataract Refract Surg** 1986 Sep;12(5):540–2

Mortality experience in a polyamide–polyester factory. Hours M, et al. **Scand J Work Environ Health** 1986 Oct; 12(5):455–60

METABOLISM

On the biodegradation of poly-beta-hydroxybutyrate (PHB) homopolymer and poly-beta-hydroxybutyrate-hydroxyvalerate copolymers. Miller ND, et al. **Biomaterials** 1987 Mar;8(2):129–37

Cellular incorporation of poly-beta-hydroxybutyrate into plasma membranes of Escherichia coli and Azotobacter vinelandii alters native membrane structure. Reusch R, et al. **Can J Microbiol** 1987 May;33(5):435–44

STANDARDS

Unique performance characteristics of Novafil. Rodeheaver GT, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):230–6

[Maxon and PDS—evaluation and physical and biologic properties of monofilament absorbable suture materials] Knoop M, et al. **Langenbecks Arch Chir** 1987;371(1):13–28 (Eng. Abstr.) **(Ger)**

TOXICITY

[Interference of polyester inflammation on the development of Yoshida ascites hepatoma in the rat. III. Effect of variations in time and inoculation size] Ventrelli I, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):985–92 (Eng. Abstr.) **(Ita)**

POLYETHYLENE GLYCOLS

Investigation of hydration of macromolecules. III. Study of polyethylene glycol homologues by microwave measurements. Masszi G, et al. **Acta Biochim Biophys Hung** 1986;21(3):263–81

Growth of four microorganisms in polyethylene glycol–electrolyte lavage solution. Akly TS, et al. **Am J Hosp Pharm** 1986 Dec;43(12):3013–6

Parity and use-effectiveness with the contraceptive sponge. McIntyre SL, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):796–801

Dehydration of hydrogel lenses during overnight wear. Brennan NA, et al. **Am J Optom Physiol Opt** 1987 Jul; 64(7):534–9

Spectral transmittance of tinted hydrogel contact lenses. Bruce AS, et al. **Am J Optom Physiol Opt** 1986 Dec; 63(12):941–7

Determinants of the initial comfort of hydrogel contact lenses. Efron N, et al. **Am J Optom Physiol Opt** 1986 Oct; 63(10):819–23

Polyethylene glycol electrolyte lavage solution (PEG–ELS). A rapid, safe mechanical bowel preparation for colorectal surgery. Bowden TA Jr, et al. **Am Surg** 1987 Jan;53(1):34–6

Protein migration through hydrogels: a tool for measuring porosity—application to hydrogels used as contact lenses. Gachon AM, et al. **Anal Biochem** 1986 Sep;157(2):249–55

Pseudomonas attachment to new hydrogel contact lenses. Duran JA, et al. **Arch Ophthalmol** 1987 Jan;105(1):106–9

Efficacy and safety of hemoglobin–polyethylene glycol conjugate (pyridoxalated polyethylene glycol hemoglobin) as an oxygen-carrying resuscitation fluid. Iwasaki K, et al. **Artif Organs** 1986 Dec;10(6):470–4

Physiologic effects of pyridoxalated-hemoglobin–polyethylene glycol conjugate solution in exchange transfusion. Matsushita M, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):490–4

Rate and extent of poly(ethylene glycol)-induced large vesicle fusion monitored by bilayer and internal contents mixing. Parente RA, et al. **Biochemistry** 1986 Oct 21; 25(21):6678–88

Enzyme action in polymer and salt solutions. I. Stability of penicillin acylase in poly(ethylene glycol) and potassium phosphate solutions in relation to water activity. Andersson E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):317–24

Enzyme action in polymer and salt solutions. II. Activity of penicillin acylase in poly(ethylene glycol) and potassium phosphate solutions in relation to water activity. Andersson E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):325–8

Anticoagulant hydrogels derived from crosslinked dextran. Part II: Mechanism of thrombin inactivation. Aubert N, et al. **Biomaterials** 1987 Mar;8(2):100–4

Small diameter blood vessel prostheses from blends of polyethylene oxide and polypropylene oxide. Bots JG, et al. **Biomaterials** 1986 Sep;7(5):393–9

Studies of the ocular compatibility of hydrogels. White spot deposits—incidence of occurrence, location and gross morphology. Bowers RW, et al. **Biomaterials** 1987 Mar; 8(2):89–93

Studies of the ocular compatibility of hydrogels. A review of the clinical manifestations of spoilation. Bowers RW, et al. **Biomaterials** 1987 Mar;8(2):83–8 (59 ref.)

Hydrogels in endovascular embolization. III. Radiopaque spherical particles, their preparation and properties. Horák D, et al. **Biomaterials** 1987 Mar;8(2):142–5

Effects of polyethylene glycol on the size of agglomerated crystals of phenytoin prepared by the spherical crystallization technique. Kawashima Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3403–7

Free and total insulin as determined after precipitation with polyethylene glycol: analytical characteristics and effects of sample handling and storage. Arnqvist H, et al. **Clin Chem** 1987 Jan;33(1):93–6

Comparison of whole-gut irrigation with golytely (GOL) and with a balanced electrolyte solution (BES) as preparation for colonoscopy. van der Heide H, et al. **Endoscopy** 1986 Sep;18(5):182–4

Chemical modification of tryptophanase from E. coli with polyethylene glycol to reduce its immunoreactivity towards anti-tryptophanase antibodies. Yoshimoto T, et al. **Enzyme** 1986;36(4):261–5

The interaction of phosphatidylcholine bilayers with Triton X-100. Goñi FM, et al. **Eur J Biochem** 1986 Nov 3; 160(3):659–65

A rapid colonic lavage solution (Golytely) vs standard preparation for barium enema and colonoscopy [letter] DiPalma JA, et al. **Gastrointest Radiol** 1986;11(4):375–6

Specificity and biological activity of the protein deposited on the hydrogel surface. Relationship of polymer structure to biofilm formation. Sack RA, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):842–9

Demonstration of the amphiphilic character of hormone-sensitive lipase by temperature-induced phase separation in Triton X-114 and charge-shift electrophoresis. Holm C, et al. **J Biol Chem** 1986 Nov 25; 261(33):15659–61

Water sorption of polymethacrylate networks: bis-GMA/TEGDM copolymers. Kalachandra S, et al. **J Biomed Mater Res** 1987 Mar;21(3):329–38

Suppression of platelet activity on microdomain surfaces of 2-hydroxyethyl methacrylate-polyether block copolymers. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):1035–47

Clinical results of hydrogel lens implantation. Barrett GD, et al. **J Cataract Refract Surg** 1986 Nov;12(6):623–31

A rapid and simple method for efficient coating of microtiter plates using low amounts of antigen in the presence of detergent. Drexler G, et al. **J Immunol Methods** 1986 Dec 4;95(1):117–22

Pluronic surfactants affecting diazepam solubility, compatibility, and adsorption from i.v. admixture solutions. Lin SY, et al. **J Parenter Sci Technol** 1987 May–Jun; 41(3):83–7

The safety and cost-effectiveness of polyethylene glycol electrolyte solution bowel preparation in infants and children. Tuggle DW, et al. **J Pediatr Surg** 1987 Jun; 22(6):513–5

Solubilization kinetics of n-alkanes by a non-ionic surfactant. Donegan AC, et al. **J Pharm Pharmacol** 1987 Jan;39(1):45–7

Use of a balanced bowel preparation solution in urological surgery. Clark WR, et al. **J Urol** 1987 Mar;137(3):455–6

Targeting of colloidal particles to the bone marrow. Illum L, et al. **Life Sci** 1987 Apr 20;40(16):1553–60

Polyethylene glycol embedding protocol for immunofluorescence microscopy. Wolosewick JJ. **Methods Enzymol** 1986;134:580–91

Definitions for hydration changes of hydrogel lenses. Brennan NA, et al. **Ophthalmic Physiol Opt** 1986;6(3):333–8

Mersilene tapes as a substitute for wire in segmental spinal instrumentation for children. Gaines RW Jr, et al. **Spine** 1986 Nov;11(9):907–13

A temporary nontoxic lubricant for a synthetic absorbable suture. Rodeheaver GT, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):17–21

[Polyethylene glycol in cytological puncture of the prostate] Mouriquand P, et al. **J Urol (Paris)** 1987;93(2):73–5 (Eng. Abstr.) **(Fre)**

[Results following a morphologically differentiated surgical technic in inguinal hernia of the adult] Nockemann PF, et al. **Chirurg** 1987 Jun;58(6):418–22 (Eng. Abstr.) **(Ger)**

[Application of polyethylene glycol (PEG) to the control of permeability of poly(meth)acrylate coatings] Hennig D, et al. **Pharmazie** 1987 Jan;42(1):26–8 (Eng. Abstr.) **(Ger)**

[The utilization of polyethylene glycols as vehicles in the administration of drugs rectally] Ragazzi E, et al. **Boll Chim Farm** 1986 Jul;125(7):234–49 (Eng. Abstr.) **(Ita)**

[Replacement of the trachea with a polyvinyl alcohol hydrogel] Miyamoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):290–6 (Eng. Abstr.) **(Jpn)**

[The use of polyethylene glycol for the isolation of the prothrombin complex] Monastyrskii VA, et al. **Gematol Transfuziol** 1986 Dec;31(12):51–3 **(Rus)**

[Methods of surgical treatment of the sequelae of birth injuries of the brachial plexus using myolavsanoplasty] Mirazimov BM, et al. **Ortop Travmatol Protez** 1987 Jan; (1):45–7 **(Rus)**

[The use of fractionation in a polyethylene glycol–dextran two-phase system for the testing and purification of restriction endonucleases] Chikaev NA, et al. **Prikl Biokhim Mikrobiol** 1987 Jan–Feb;23(1):84–92 (Eng. Abstr.) **(Rus)**

[Methodological aspects of the determination of circulating immune complexes using polyethylene glycol] Nasonov EL. **Ter Arkh** 1987;59(4):38–45 (69 ref.) **(Rus)**

[Hydrogel explants in refraction keratoplasty (experimental study)] Dvali ML, et al. **Vestn Oftalmol** 1986 Sep–Oct; 102(5):40–3 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Worldwide method effectiveness of the Today vaginal contraceptive sponge. McClure DA, et al. **Adv Contracept** 1985 Dec;1(4):305–11

Enhancement of therapeutic effects of recombinant interleukin 2 on a transplantable rat fibrosarcoma by the use of a sustained release vehicle, pluronic gel. Morikawa K, et al. **Cancer Res** 1987 Jan 1;47(1):37–41

The effect of polyethylene glycol by gavage on electrolyte and water excretion in the rat. Sonkodi S, et al. **Clin Sci** 1986 Oct;71(4):445–8

A clinical trial of Neo Sampoon vaginal tablets and Emko foam in Alexandria, Egypt. Youssef H, et al. **Contraception** 1987 Feb;35(2):101–10

Evaluation of Pluronic Polyol F127 as a vehicle for petroleum hydrocarbons in the Salmonella/microsomal assay. Marino DJ. **Environ Mutagen** 1987;9(3):307–16

Endoscopic injection sclerotherapy for esophageal varices in extrahepatic portal venous obstruction. Bhargava DK. **Indian Pediatr** 1986 Nov;23(11):932–6

Yugoslavian experience with the contraceptive sponge. Borko E, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):353–6

Approaches to prevention of asbestos-induced lung disease using polyethylene glycol (PEG)-conjugated catalase. Mossman BT, et al. **J Free Radic Biol Med** 1986; 2(5–6):335–8

[Mechanism of the enhanced stability of emulsions of perfluoro-organic compounds in the circulatory bed] Pavlova-Verevkina OB, et al. **Gematol Transfuziol** 1987 May;32(5):50–2 **(Rus)**

ADVERSE EFFECTS

Complications of hydrogel intracorneal lenses in monkeys. Beekhuis WH, et al. **Arch Ophthalmol** 1987 Jan; 105(1):116–22

Heart failure as a side effect of polidocanol given for oesophageal variceal sclerosis [letter] Imperiali G, et al. **Endoscopy** 1986 Sep;18(5):207

[Does sclerotherapy of esophageal varices induce cholestasis? (letter)] Raoul JL, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):611–2 **(Fre)**

ANALYSIS

In vitro release of poly(ethylene oxides) from serum albumin microspheres. Ishizaka T, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3341–7

Phase equilibria, crystallinity and dissolution rates of ibuprofen–polyethylene glycol 20000 solid dispersions. Mura P, et al. **Farmaco [Prat]** 1987 Jun;42(6):157–64

Improvements in instrumentation for thermospray operation on a magnetic sector mass spectrometer. Chapman JR, et al. **J Chromatogr** 1987 May 8;394(1):231–7

[The effects of preservatives in hydrogels] Hung C, et al. **Pharmazie** 1986 Aug;41(8):601–2 **(Ger)**

DIAGNOSTIC USE

Intestinal permeability in small children during and after rotavirus diarrhoea assessed with different-size polyethyleneglycols (PEG 400 and PEG 1000). Stintzing G, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1005–9

Gastrointestinal permeability in children with cow's milk allergy: effect of milk challenge and sodium cromoglycate as assessed with polyethyleneglycols (PEG 400 and PEG 1000). Fälth-Magnusson K, et al. **Clin Allergy** 1986 Nov; 16(6):543–51

Studies of intestinal permeability in inflammatory diseases using polyethylene glycol 400. Jenkins RT, et al. **Clin Biochem** 1986 Oct;19(5):298–302

A comparison of Golytely and standard preparation for barium enema. Fitzsimons P, et al. **J Can Assoc Radiol** 1987 Jun;38(2):109–12

Detection of circulating immune complexes in liver diseases, systemic lupus erythematosus and glomerulonephritis by polyethylene glycol precipitation. Shou L, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jul;10(3):167–74

Beta-adrenergic receptors of human lymphocytes in physically active and immobilized subjects: characterization by a polyethylene glycol precipitation assay. Mäki T, et al. **Scand J Clin Lab Invest** 1987 May; 47(3):261–7

[Detection of immune complexes in lepromatous leprosy. I. Evaluation of the polyethylene glycol precipitation technic] Valdés-Portela A. **Rev Cubana Med Trop** 1985 Sep–Dec; 37(3):295–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Induction of in vivo helper activity for murine antibody responses by macrophages pulsed with ovalbumin–monomethoxypolyethylene glycol (OA–mPEG) conjugates. Holford-Strevens V, et al. **Cell Immunol** 1987 Feb;104(2):245–54

ISOLATION & PURIFICATION

Effect of particle size of activated charcoal on separation of Triton X-100 from protein, liver cytosol, and lipoxygenase extracts. Marcus L, et al. **Anal Biochem** 1987 May 15;163(1):112–6

METABOLISM

Metabolism of polyethylene glycol by two anaerobic bacteria, Desulfovibrio desulfuricans and a Bacteroides sp. Dwyer DF, et al. **Appl Environ Microbiol** 1986 Oct; 52(4):852–6

Biodegradation of polyethylene glycol by symbiotic mixed culture (obligate mutualism). Kawai F, et al. **Arch Microbiol** 1986 Nov;146(2):125–9

Preparation and evaluation of hemoglobin–polyethylene glycol conjugate (pyridoxalated polyethylene glycol hemoglobin) as an oxygen-carrying resuscitation fluid. Iwasaki K, et al. **Artif Organs** 1986 Oct;10(5):411–6

Aging-associated increase in intestinal permeability to polyethylene glycol 900. Katz D, et al. **Dig Dis Sci** 1987 Mar;32(3):285–8

Bioconcentration of alcohol ethoxylates in carp (Cyprinus carpio). Wakabayashi M, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):148–63

Anchimeric assistance in the intramolecular reaction of glucose-dehydrogenase–polyethylene glycol NAD conjugate. Nakamura A, et al. **J Biol Chem** 1986 Dec 25; 261(36):16792–4

Lysophosphatidylcholine and taurodeoxycholate increase stomach permeability to different-sized molecules. Karlqvist PA, et al. **Scand J Gastroenterol** 1986 Nov; 21(9):1039–45

Acute yersinia infections in man increase intestinal permeability for low-molecular weight polyethylene glycols (PEG 400). Serrander R, et al. **Scand J Infect Dis** 1986;18(5):409–13

The metabolic sulphation of polyethyleneglycols by isolated perfused rat and guinea-pig livers. Roy AB, et al. **Xenobiotica** 1987 Jun;17(6):725–32

[Polyethylene oxide–based artificial antigens. An experimental study of the kinetics of the distribution of polyethylene oxide derivatives] Kulakov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):60–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A new potentiator of red blood cell antigen–antibody reactions. Nance SJ, et al. **Am J Clin Pathol** 1987 May; 87(5):633–5

Pressor contributions from angiotensin and vasopressin after polyethylene glycol. Gardiner SM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R769–74

The effect of polyethylene glycol on mammalian nerve impulses. Benzon HT, et al. **Anesth Analg** 1987 Jun; 66(6):553–9

Different effects of Triton X–100, deoxycholate, and fatty acids on the kinetics of glutathione peroxidase and phospholipid hydroperoxide glutathione peroxidase. Maiorino M, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):600–5

Sclerosing agents in the treatment of telangiectasia. Comparison of the clinical and histologic effects of intravascular polidocanol, sodium tetradecyl sulfate, and hypertonic saline in the dorsal rabbit ear vein model. Goldman MP, et al. **Arch Dermatol** 1987 Sep; 123(9):1196–201

Povidone–iodine in polyethylene oxide hydrogel dressing. Effect on multiplication of Staphylococcus aureus in partial-thickness wounds. Mertz PM, et al. **Arch Dermatol** 1986 Oct;122(10):1133–8

The effects of polyoxyethylated cholesterol feeding on hepatic cholesterol synthesis and intestinal cholesterol absorption in rats. Amorosa LF, et al. **Atherosclerosis** 1987 Apr;64(2–3):117–23

Alterations of secretory pattern of intestinal lipoproteins by the benzoyl ester derivative of poloxalene surfactant (BEP). Bochenek WJ, et al. **Atherosclerosis** 1987 Apr; 64(2–3):167–72

Inhibition of hepatic triglyceride secretion and exogenous triglyceride clearance in the cholestatic rat. Komai K, et al. **Atherosclerosis** 1987 Apr;64(2–3):147–53

Effect of polyethylene glycol on the in vitro production of L-lactate by rat liver under near physiological conditions. Rodríguez-Fernández JL, et al. **Biochem Int** 1987 Mar; 14(3):539–45

The influence of poly(ethylene glycol) 6000 on spermine-induced aggregation of liposomes. Tadolini B, et al. **Biochem J** 1986 Jun 15;236(3):651–5

Fluorescence photobleaching analysis of nuclear transport: dynamic evidence for auxiliary channels in detergent-treated nuclei. Jiang LW, et al. **Biochemistry** 1987 Mar 24;26(6):1546–51

Kinetic studies on the interaction of phosphatidylcholine liposomes with Triton X–100. Alonso A, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):237–46

Irreversible inhibition of hexosaminidase C by medium-chain monocarboxylic acids and Triton X–100. Hardy M, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):557–61

The effects of Triton WR–1339, protamine sulfate and heparin on the plasma removal of emulsion models of chylomicrons and remnants in rats. Hirata MH, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):344–6

Effect of Triton X–100 on the physical properties of liposomes. Ruderman G, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):277–8

Dynamic association of band 3 with triton shells in human erythrocyte ghosts. Ueno E, et al. **Biochim Biophys Acta** 1987 Sep 2;915(1):77–86

Large transient nonproton ion movements in purple membrane suspensions are abolished by solubilization in Triton X–100. Marinetti T, et al. **Biophys J** 1986 Sep; 50(3):405–15

Pluronic F–68 reduces the endothelial adherence and improves the rheology of liganded sickle erythrocytes. Smith CM 2d, et al. **Blood** 1987 Jun;69(6):1631–6

Interaction of cyclosporin and its solvent, Cremophor, with atracurium and vecuronium. Studies in the cat. Gramstad L, et al. **Br J Anaesth** 1986 Oct;58(10):1149–55

Detergent, Brij, increasing the area of new surface membrane during the early cleavage of eggs of Rana amurensis. Gao JR, et al. **Cell Biol Int Rep** 1986 Dec;10(12):969–77

Comparison of the potency of d-propranolol, chlorhexidine and nonoxynol-9 in the Sander–Cramer test. Chijioke PC, et al. **Contraception** 1986 Aug;34(2):207–11

Effect of polyethylene glycol 400 on adriamycin induced histamine release. Decorti G, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):793–9

Transient expression of the plasmid pCaMVCAT in plant protoplasts following transformation with polyethyleneglycol. Ballas N, et al. **Exp Cell Res** 1987 May; 170(1):228–34

Polyethylene glycol–stimulated microsomal GTP hydrolysis. Relationship to GTP–mediated Ca2+ release. Nicchitta CV, et al. **FEBS Lett** 1986 Dec 15;209(2):243–8

The effects of Lubrin on sperm motility in vitro. Boyers SP, et al. **Fertil Steril** 1987 May;47(5):882–4

Stimulation of human lymphocytes by oxidized red blood cells (RBC) in the presence of polyethylene glycol (PEG). Ocklind G. **Immunobiology** 1987 Jan;174(1):20–9

Study on the pre-haemolytic complex formed upon polyethylene glycol–induced activation of mouse complement. Beekhuizen H, et al. **Immunol Lett** 1986 Nov 17;14(1):69–73

Generation of drug metabolite antigenicity in the intestinal mucosa. Wu C, et al. **Immunopharmacology** 1986 Aug; 12(1):53–8

Inhibition of microsomal NAD(P)H oxidation by Triton X–100. Boutin JA. **J Biochem Biophys Methods** 1986 Oct; 13(3):171–8

Thermophilic HB8 DNA ligase: effects of polyethylene glycols and polyamines on blunt-end ligation of DNA. Takahashi M, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):123–31

Influence of polyethylene glycol on the ligation reaction with calf thymus DNA ligases I and II. Teraoka H, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):225–31

Kinetic characterization of the normal and detergent-perturbed reaction cycles of the sarcoplasmic reticulum calcium pump. Rate-limiting step(s) under different conditions. Champeil P, et al. **J Biol Chem** 1986 Dec 15;261(35):16372–84

Activation of dynein I adenosine triphosphatase by organic solvents and by Triton X–100. Evans JA, et al. **J Biol Chem** 1986 Oct 25;261(30):14044–8

Evidence for changes in the conformational status of rat liver microsomal glucose-6-phosphate:phosphohydrolase during detergent-dependent membrane modification. Effect of p-mercuribenzoate and organomercurial agarose gel on glucose-6-phosphatase of native and detergent-modified microsomes. Schulze HU, et al. **J Biol Chem** 1986 Dec 15;261(35):16571–8

A simple one-step hemolytic assay of the first component of human complement (C1) with polyethylene glycol treated human serum: details of the assay procedures and its application to the C1 activation study. Nagaki K, et al. **J Clin Lab Immunol** 1986 Nov;21(3):141–6

Immunogenicity of polyethylene glycol–modified superoxide dismutase and catalase. Nucci ML, et al. **J Free Radic Biol Med** 1986;2(5–6):321–5

Activation of contact phase of blood coagulation can be induced by the sclerosing agent polidocanol: possible additional mechanism of adverse reaction during sclerotherapy [letter] Cacciola E, et al. **J Lab Clin Med** 1987 Feb;109(2):225–6

Blockade of intestinal lipoprotein clearance in rabbits injected with Triton WR 1339–ethyl oleate. Nagata Y, et al. **J Lipid Res** 1987 Jun;28(6):684–92

Solubilisation of the benzodiazepine receptor from rat cerebellum by the detergent n-octylpentaoxyethylene. Bristow DR, et al. **J Neurochem** 1987 May;48(5):1537–40

Fluid and electrolyte handling in Long Evans and Brattleboro rats following injection of polyethylene glycol. Bennett T, et al. **J Physiol (Lond)** 1986 Dec;381:407–15

The efficacy of resin–compatible cavity varnishes in reducing dentin permeability to free monomer. Tjan AH, et al. **J Prosthet Dent** 1987 Feb;57(2):179–85

Pre- and postsynaptic localization of 3H-imipramine binding sites: action of 5–7 dihydroxytryptamine and triton X–100 on subcellular fractions of rat brain. Stockert M, et al. **J Recept Res** 1986;6(3–4):283–95

Characterization of polyethylene glycol–modified L-asparaginase from Escherichia coli and its application to therapy of leukemia. Yoshimoto T, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1264–70

Ultrastructural studies on the effect of Triton WR–1339 on macrophage–mycobacteria interaction. Kondo E, et al. **Jpn J Med Sci Biol** 1986 Apr;39(2):49–66

Inhibition of vasoactive agents by perfluorochemical emulsion. Saeed M, et al. **Life Sci** 1987 May 18; 40(20):1971–9

Generation of targets for alloreactive CTL using purified H–2Kk in liposomes and polyethylene glycol. Reed ML, et al. **Mol Immunol** 1986 Dec;23(12):1339–47

Treatment of adenosine deaminase deficiency with polyethylene glycol–modified adenosine deaminase. Hershfield MS, et al. **N Engl J Med** 1987 Mar 5; 316(10):589–96

Regulation of inter- and intramolecular ligation with T4 DNA ligase in the presence of polyethylene glycol. Hayashi K, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7617–31

The effect of mercury chloride and methyl mercury on brain microsomal Na+–K+–ATPase after partial delipidisation with Lubrol. Magour S, et al. **Pharmacol Toxicol** 1987 Mar; 60(3):184–6

Association of p60src with Triton X–100–resistant cellular structure correlates with morphological transformation. Hamaguchi M, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2312–6

Chemical modification of recombinant interleukin 2 by polyethylene glycol increases its potency in the murine Meth A sarcoma model. Katre NV, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1487–91

Sedimentation volume, redispersibility and appearance of a polystyrene latex suspension in the presence of nonionic surface active agents. Law SL. **Proc Natl Sci Counc Repub China [B]** 1986 Jul;10(3):203–6

Fibronectin in polyethylene glycol precipitates: evidence for a role in immune complexes. Coppock JS, et al. **Rheumatol Int** 1986;6(2):79–83

The spermicide nonoxynol-9 does not inhibit Chlamydia trachomatis in vitro. Kappus EW, et al. **Sex Transm Dis** 1986 Jul–Sep;13(3):134–7

Sectioning tough stems infiltrated with polyethylene glycol. Graham ET, et al. **Stain Technol** 1987 Jan;62(1):63–4

Focal cell contacts detected by ruthenium red, triton X100 and saponin in the granulosa cells of mouse ovary. Familiari G, et al. **Tissue Cell** 1987;19(2):207–15

Immunotoxicology studies on octoxynol-9 and nonoxynol-9 in mice. Caren LD, et al. **Toxicol Lett** 1987 Feb; 35(2–3):277–84

Morphometric evaluation of the turnover of autophagic vacuoles after treatment with Triton X–100 and vinblastine in murine pancreatic acinar and seminal vesicle epithelial cells. Kovács J, et al. **Virchows Arch [B]** 1987;53(3):183–90

[Microcinematography analysis of the effect of polyethyleneglycol on the life cycle of cells cultured in vitro] Puža V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(5):505–16 (Eng. Abstr.) **(Cze)**

[Cytological study of the mode of contraceptive action of nonoxynol-9] Parier JL, et al. **Ann Pharm Fr** 1986; 44(4):277–83 (Eng. Abstr.) **(Fre)**

[Effect of neutral solvents on lectin binding of healthy and psoriatic epidermis] Wollina U, et al. **Z Hautkr** 1986 Oct 1;61(19):1379–82 (Eng. Abstr.) **(Ger)**

[Ultrastructure of the lymphocytes in lymphoid organs following cryopreservation with PEO–400 protection] Govorukha TP, et al. **Tsitol Genet** 1987 Jan–Feb;21(1):6–9 (Eng. Abstr.) **(Rus)**

[Effect of proxanols on electromechanical coupling in the myocardium and their contribution to protection against ischemia by fluorocarbon emulsions] Islamov BI, et al. **Vestn Akad Med Nauk SSSR** 1987;(2):40–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The prophylactic properties of the Today sponge and other spermicide containing contraceptives. Berger KL, et al. **Adv Contracept** 1987 Jun;3(2):125–31 (14 ref.)

Lung function in prematurely delivered rabbits treated with a synthetic surfactant. Tooley WH, et al. **Am Rev Respir Dis** 1987 Sep;136(3):651–6

Hydrophobic surfactant effects on aortic cholesterol accumulation and atherosclerosis in hypercholesterolemic rabbits. Rodgers JB, et al. **Atherosclerosis** 1987 Mar; 64(1):37–46

Ethanolamine oleate is superior to polidocanol (aethoxysklerol) for endoscopic injection sclerotherapy of esophageal varices: a prospective randomized trial. Kitano S, et al. **Hepatogastroenterology** 1987 Feb;34(1):19–23

A double-blind study comparing monomethoxy polyethylene glycol–modified honeybee venom and unmodified honeybee venom for immunotherapy. I. Clinical results. Müller U, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):252–61

Treatment of recurrent genital herpes with topical alpha interferon gel combined with nonoxynol 9. Friedman-Kien AE, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):989–94

Prevention of oxygen toxicity with superoxide dismutase and catalase in premature lambs. Walther FJ, et al. **J Free Radic Biol Med** 1986;2(4):289–93

Effect of the contraceptive sponge on chlamydial infection, gonorrhea, and candidiasis. A comparative clinical trial. Rosenberg MJ, et al. **JAMA** 1987 May 1;257(17):2308–12

Triton WR–1339 as a biological-response modifier in mycobacterial infection. Kondo E, et al. **Jpn J Med Sci Biol** 1986 Apr;39(2):35–47

Investigation of dressings developed for the treatment of alveolitis sicca dolorosa. Part 2: Influence of glycerol and PEG 200 on the properties of tablets and dressings

comprising mefenamic acid and Nipagin P.
Grabowska-Bochenek J, et al. **Pharmazie** 1986 Sep; 41(9):648–50

[Anti-cerebral edema properties of PEG 300 in triethyltin poisoning] Reymann JM, et al. **J Pharmacol** 1986 Oct–Dec; 17(4):515–22 (Eng. Abstr.) **(Fre)**

[Sonographic comparative studies of the portal vascular system before and following endoscopic sclerosing of esophageal varices] Pristautz H, et al.
Wien Med Wochenschr 1986 Nov 30;136(21–22):540–3 (Eng. Abstr.) **(Ger)**

[Results following endoscopic paravasal long-term sclerosing of esophageal varices] Stupnicki T, et al.
Wien Med Wochenschr 1987 Jan 15;137(1):1–4 (Eng. Abstr.) **(Ger)**

[Drug sclerosing of kidney cysts] Reuter HJ.
Z Urol Nephrol 1986 Sep;79(9):503–9 (Eng. Abstr.) **(Ger)**

TOXICITY

The developmental toxicity of triethylene glycol dimethyl ether in mice. George JD, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):173–81

Effects of in vivo administration of detergents on the hepatic microsomal cytochrome P-450 system in rat. Miura Y.
J Appl Toxicol 1987 Jun;7(3):213–7

Studies on nonoxynol-9. IV. Biochemical and morphological effects in the liver, kidneys and lungs of rats following intravaginal and intraperitoneal administration. Chvapil M, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):131–9

Safety evaluation of free radical scavengers PEG-catalase and PEG-superoxide dismutase. Viau AT, et al.
J Free Radic Biol Med 1986;2(4):283–8

Bioelectric activity as a quantifiable index of acute spermicide (nonoxynol-9) actions on rat vaginal epithelial function during the oestrous cycle. Levin RJ. **Pharmacol Toxicol** 1987 Mar;60(3):175–8

Urinary excretion of orally administered oxalic acid in MYRJ 45-treated NMRI mice. Salminen S, et al. **Toxicol Lett** 1987 Jun;37(1):91–4

[Toxicological studies on sophorolipid derivatives. (II). Subacute toxicity study of polyoxypropylene (12) [2'-0-beta-D-glucopyranosyl-beta-D-glucopyranosyl) oxy-] fatty acid ester-] Ikeda Y, et al. **J Toxicol Sci** 1986 Aug;11(3):213–24 (Eng. Abstr.) **(Jpn)**

[Toxicological studies on sophorolipid derivatives. (I). Acute toxicity, eye irritation, primary skin irritation, skin sensitization, phototoxicity, photosensitization, mutagenicity of polyoxypropylene (12) [(2'-0-beta-D-glucopyranosyl-beta-D-glucopyranosyl)= oxy-] fatty acid ester-] Ikeda Y, et al. **J Toxicol Sci** 1986 Aug;11(3):197–211 (Eng. Abstr.) **(Jpn)**

[Experimental establishment of the maximum permissible concentrations of polyoxypropyleneamines in water] Ivanova IF. **Gig Sanit** 1986 Dec;(12):73–4 **(Rus)**

POLYETHYLENE TEREPHTHALATE

Detection and measurement of a cellular immune-reactivity towards polyester and polytetrafluoroethylene grafts. Leukocyte adherence inhibition test. Cavallini G, et al.
Acta Chir Scand 1987 Mar;153(3):179–84

Influence on healing in the canine thoracic aorta of three substances used to close the interstices of macroporous Dacron grafts. Zammit M, et al. **Am Surg** 1986 Dec; 52(12):667–9

Biological sealants and knitted Dacron conduits: comparison of collagen and fibrin glue pretreatments in circulatory models. Jonas RA, et al. **Ann Thorac Surg** 1987 Sep; 44(3):283–90

Characterisation of a polyester material for biomedical applications. Nair PD, et al.
Biomater Med Devices Artif Organs 1985–86; 13(3–4):115–31

Subcutaneous implantation of double velour Dacron into the mouse: infiltration and angiogenesis. Richardson TC, et al.
Br J Exp Pathol 1987 Jun;68(3):359–68

Prosthetic repair in the treatment of groin hernias. Stoppa RE, et al. **Int Surg** 1986 Jul–Sep;71(3):154–8

Evaluation of autologous cancellous bone grafting of mandibular discontinuity defects in dogs using a Dacron-urethane prosthesis. Schwartz HC, et al.
J Oral Maxillofac Surg 1987 Feb;45(2):143–8

Augmentation of anterior cruciate ligament reconstruction in dogs with prostheses of different stiffnesses. Yoshiya S, et al. **J Orthop Res** 1986;4(4):475–85

Adult human endothelial cell coverage of small-caliber Dacron and polytetrafluoroethylene vascular prostheses in vitro. Foxall TL, et al. **J Surg Res** 1986 Aug;41(2):158–72

Initial adherence of human capillary endothelial cells to Dacron. Radomski JS, et al. **J Surg Res** 1987 Feb; 42(2):133–40

Effects of different doses of acetylsalicylic acid on platelet aggregation: an experimental study of prosthetic materials in dogs. Escudero C, et al. **Life Support Syst** 1986 Oct–Dec; 4(4):325–34

Dacron "sock" repair for proximal corporeal perforation. Fritzler M, et al. **Urology** 1986 Dec;28(6):524–6

Comparative studies of prosthetic materials in the left atrium of the dog. Kadowaki MH, et al. **Virchows Arch [A]** 1987; 411(2):173–7

[Biological problems of implanting a polyethylene terephthalate vascular prosthesis] Pürvanova L, et al.
Khirurgiia (Sofiia) 1986;39(3):55–8 (58 ref.) **(Bul)**

[Treatment of an inguinal hernia by the midline preperitoneal approach using a dacron patch] Issa M, et al.
J Chir (Paris) 1986 Jun–Jul;123(6–7):435–8 (Eng. Abstr.) **(Fre)**

[ORWOANALYTIC ET 100 carrier foils for gel electrophoresis] Linneke P, et al. **Z Med Lab Diagn** 1987; 28(2):113 **(Ger)**

RADIATION EFFECTS

Radiosterilization of albuminated polyester prostheses. Baquey C, et al. **Biomaterials** 1987 May;8(3):185–9

Laser radiation in the treatment of prosthetic graft stenosis. A preliminary study of prosthesis damage by laser energy. Seeger JM, et al. **J Vasc Surg** 1987 Sep;6(3):221–5

POLYETHYLENEIMINE see under **POLYETHYLENES**

POLYETHYLENES

Highly stable biosensor using an artificial enzyme. Ho MY, et al. **Anal Chem** 1987 Feb 1;59(3):536–7

Micromotion of conventionally cemented all-polyethylene tibial components in total knee replacements. A roentgen stereophotogrammetric analysis of migration and inducible displacement. Ryd L, et al. **Arch Orthop Trauma Surg** 1987; 106(2):82–8

Use of polyethylene-lined silicone rubber cannulae in long-term insulin infusion in the dog. Wigness BD, et al.
ASAIO Trans 1986 Jul–Sep;32(1):363–6

In vivo leucocyte interactions with the NHLBI-DTB primary reference materials: polyethylene and silica-free polydimethylsiloxane. Spilizewski KL, et al.
Biomaterials 1987 Jan;8(1):12–7

Investigation into the use of graft copolymer-based cibacron blue F3GA columns for the purification of proteins. Beddows CG, et al. **Biotechnol Appl Biochem** 1986 Oct; 8(5):430–6

Prophylactic use of antibiotics in combined abdominovaginal Marlex sling procedures for correction of recurrent urinary stress incontinence. Drutz HP, et al. **Can J Surg** 1986 Sep; 29(5):377–9

Binding of benzo[a]pyrene metabolites in the rat intestinal lumen by magnetic polyethyleneimine microcapsules following an intragastric dose of [14C]benzo[a]pyrene. Povey AC, et al. **Carcinogenesis** 1987 Jun;8(6):825–31

Light and electronmicroscopic studies on Polycel ossicular replacement prostheses. Cousins VC, et al.
Clin Otolaryngol 1987 Jun;12(3):183–9

Use of internal polyethylene ureteral stents in extracorporeal shock-wave lithotripsy of staghorn calculi. Pode D, et al.
Eur Urol 1987;13(3):174–5

Migration of BHT and Irganox 1010 from low-density polyethylene (LDPE) to foods and food-simulating liquids. Schwope AD, et al. **Food Chem Toxicol** 1987 Apr; 25(4):317–26

The John Charnley Award paper. Efficacy of using a bone graft substitute to enhance biological fixation of a porous metal femoral component. Russotti GM, et al. **Hip** 1987; :120–54

Monoclonal antibody modification with chelate-linked high-molecular-weight polymers: major increases in polyvalent cation binding without loss of antigen binding. Torchilin VP, et al. **Hybridoma** 1987 Jun;6(3):229–40

The "Fletching": a new implant for the treatment of inguino-femoral hernias. Bendavid R. **Int Surg** 1986 Oct–Dec;71(4):248–51

The fusogenic effect of synthetic polycations on negatively charged lipid bilayers. Oku N, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):935–44

Molecular weight distribution of a bulk ultra-high molecular weight polyethylene product—impax 5M + UHMW-NAT. Kusy RP, et al. **J Biomed Mater Res** 1986 Nov–Dec;20(9):1373–89

Evaluation of the in vitro and ex vivo blood compatibility of primary reference materials. Pelzer H, et al.
J Biomed Mater Res 1986 Nov–Dec;20(9):1401–9

External wear of the polyethylene socket in cemented total hip arthroplasty. Wroblewski BM, et al.
J Bone Joint Surg [Br] 1987 Jan;69(1):61–3

Axonal microtubules are stained and cross-linked by highly cationic polyethyleneimine. Scheidt P, et al.
J Neurocytol 1987 Apr;16(2):215–20

Joint reaction to polyethylene implantation: a method for inducing osteoarthritic change and osteophyte formation in the rabbit knee joint. Garcia F, et al. **J Orthop Res** 1986; 4(4):420–6

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: II. Effect of membrane and reactant structures. Povey AC, et al. **J Pharm Sci** 1987 Mar;76(3):194–200

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: III. In vivo trapping of electrophiles from N-methyl-N-nitrosourea and recovery from feces. Povey AC, et al. **J Pharm Sci** 1987 Mar; 76(3):201–7

Cold injury complicating trauma in the subfreezing environment. Andrews RP. **Milit Med** 1987 Jan;152(1):42–4

Polyethylene sleeve in the Même prosthesis [letter] Dolsky RL. **Plast Reconstr Surg** 1986 Nov;78(5):694

Giant incisional hernias closed with polypropylene mesh. Kjeldsen H, et al. **Scand J Plast Reconstr Surg** 1986; 20(1):119–21

Utilization of immunogold labeling to compare the adsorption behavior of fibrinogen, fibronectin and albumin on polymers. Murthy KD, et al. **Scanning Microsc** 1987 Jun; 1(2):765–73

[Theoretical experimental studies of temperature distribution at the bone-cement boundary zone in polyethylene acetabular implants, with reference to intraoperatively recorded temperature courses] Plitz W, et al.
Aktuel Probl Chir Orthop 1987;31:392–5 **(Ger)**

[Thoracic wall reconstruction following extensive resection] Kienzle HF, et al. **Zentralbl Chir** 1987;112(7):451–6 **(Ger)**

[Determining BHT migration from paper/polyethylene laminates] Cwiek K. **Rocz Panstw Zakl Hig** 1986; 37(3):224–7 (Eng. Abstr.) **(Pol)**

[Allowable duration for using intrauterine polyethylene contraceptives] Petrov IuA, et al.
Akush Ginekol (Mosk) 1986 Jul;(7):40–1 **(Rus)**

ADVERSE EFFECTS

Blood flow and surface-induced thrombosis. Grasel TG, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):515–20

Foreign body reaction to polymeric debris following total hip arthroplasty. Maguire JK Jr, et al. **Clin Orthop** 1987 Mar;(216):213–23

Tissue reactions to wear products from polyacetal (Delrin) and UHMW polyethylene in total hip replacement. Mathiesen EB, et al. **J Biomed Mater Res** 1987 Apr; 21(4):459–66

[Skin eruptions after playing with polyethylene plates in swimming pools (letter)] Steensberg J. **Ugeskr Laeger** 1987 May 25;149(22):1501 **(Dan)**

[Pulmonary alveolar proteinosis—an occupational disease?] Maintz G, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):140–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Polyethylene/hydrophilic polymer blends for biomedical applications. Brynda E, et al. **Biomaterials** 1987 Jan; 8(1):57–60

Trapping of chemical carcinogens with magnetic polyethyleneimine microcapsules: I. Microcapsule preparation and in vitro reactivity of encapsulated nucleophiles. Povey AC, et al. **J Pharm Sci** 1986 Sep; 75(9):831–7

DIAGNOSTIC USE

[Study of intestinal transit time using radiopaque markers: a simple current method] Brogna A, et al. **G Clin Med** 1987 Jan;68(1):13–5 (Eng. Abstr.) **(Ita)**

METABOLISM

Magnetic polyethyleneimine (PEI) microcapsules as retrievable traps for carcinogen electrophiles formed in the gastrointestinal tract. Povey AC, et al. **Cancer Lett** 1987 Jul;36(1):45–53

PHARMACODYNAMICS

Thrombin inactivation on surfaces with covalently bonded heparin. Pasche B, et al. **Thromb Res** 1986 Dec 15; 44(6):739–48

THERAPEUTIC USE

Massive genital and vaginal vault prolapse treated by abdominal-vaginal sacropexy with use of Marlex mesh: review of the literature. Drutz HP, et al.
Am J Obstet Gynecol 1987 Feb;156(2):387–92

Urine-compatible polymer for long-term ureteral stenting. Cardella JF, et al. **Radiology** 1986 Nov;161(2):313–8

Inguinal hernia repair with routine use of Marlex mesh. Barnes JP Jr. **Surg Gynecol Obstet** 1987 Jul;165(1):33–7

[Anterior chest wall reconstruction with Marlex sandwich] Koike T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):873–6 (Eng. Abstr.) **(Jpn)**

TOXICITY

Complement-induced thrombus formation on the surface of poly(N-vinylpyrrolidone)-grafted polyethylene. Fukumura H, et al. **Biomaterials** 1987 Jan;8(1):74–6

POLYGALACTOSES see **GALACTANS**

POLYGALACTURONASE see under **GLYCOSIDE HYDROLASES**

POLYGELINE see under **POLYMERS**

POLYGLACTIN 910 see under **POLYMERS**

POLYGLUCOSES see **GLUCANS**

POLYGLUTAMIC ACID see under **PEPTIDES**

POLYGLYCOLIC ACID

The electronic spectra of porphyrin-like

cobalt–tetracarboxy–phthalocyanines as modified by polylysine and polyglycols. Kornguth SE, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):19–26

Repair of traumatic splenic injuries by splenorrhaphy with polyglycolic acid mesh. Rogers F, et al. **Curr Surg** 1987 Mar–Apr;44(2):112–3

Use of polyglycolic acid mesh to confine particulate hydroxylapatite for augmentation of bone in the rat. Silverberg M, et al. **J Oral Maxillofac Surg** 1986 Nov; 44(11):877–86

Renorrhaphy using knitted polyglycolic acid mesh. White RA, et al. **J Trauma** 1987 Jun;27(6):689–90

Efficacy of Dexon microsutures in rat major abdominal vessel anastomosis. I: Application to heterotopic heart transplant. Pempinello C, et al. **Microsurgery** 1986;7(4):161–5

METABOLISM

Fixation of experimental osteotomy of the distal femur with biodegradable thread in rabbits. Vihtonen K, et al. **Clin Orthop** 1987 Aug;(221):297–303

Interaction of microspheres with blood constituents II: Uptake of biodegradable particles by macrophages. Kanke M, et al. **J Parenter Sci Technol** 1986 Jul–Aug;40(4):114–8

THERAPEUTIC USE

Fixation of experimental osteotomies of the distal femur of rabbits with biodegradable material. Vainionpää S, et al. **Arch Orthop Trauma Surg** 1986;106(1):1–4

POLYGONUM see **PLANTS, MEDICINAL**

POLYHEDROSIS VIRUSES

ENZYMOLOGY

The protein subunits of the double–stranded RNA dependent RNA polymerase and methyltransferase of the cytoplasmic polyhedrosis virus of silkworm, Bombyx mori. Dai RM, et al. **Sci Sin [B]** 1986 Dec;29(12):1267–72

GENETICS

Expression of the Autographa californica nuclear polyhedrosis virus genome in insect cells: homologous viral and heterologous vertebrate genes—the baculovirus vector system. Doerfler W. **Curr Top Microbiol Immunol** 1986; 131:51–68 (60 ref.)

Production of human alpha–inteferon in silkworm using a Bombyx mori nuclear polyhedrosis virus vector. Maeda S, et al. **Dev Biol Stand** 1987;66:75–82

Conserved homologous regions between two baculovirus DNAs. Brown SE, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):207–12

Expression of bluetongue virus group–specific antigen VP3 in insect cells by a baculovirus vector: its use for the detection of bluetongue virus antibodies. Inumaru S, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1627–35

Nucleotide sequence of a portion of the Autographa californica nuclear polyhedrosis virus genome containing the EcoRI site–rich region (hr5) and an open reading frame just 5' of the p10 gene. Liu A, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2565–70

Baculovirus expression vectors: the requirements for high level expression of proteins, including glycoproteins. Matsuura Y, et al. **J Gen Virol** 1987 May;68 (Pt 5):1233–50

Identification of an amino acid essential to the normal assembly of Autographa californica nuclear polyhedrosis virus polyhedra. Carstens EB, et al. **J Virol** 1986 May; 58(2):684–8

Divergent transcription of early 35– and 94–kilodalton protein genes encoded by the HindIII K genome fragment of the baculovirus Autographa californica nuclear polyhedrosis virus. Friesen PD, et al. **J Virol** 1987 Jul; 61(7):2264–72

A baculovirus vector can express intron–containing genes. Jeang KT, et al. **J Virol** 1987 May;61(5):1761–4

Abundant synthesis of functional human T–cell leukemia virus type I p40x protein in eucaryotic cells by using a baculovirus expression vector. Jeang KT, et al. **J Virol** 1987 Mar;61(3):708–13

Overlapping sets of viral RNAs reflect the array of polypeptides in the EcoRI J and N fragments (map positions 81.2 to 85.0) of the Autographa californica nuclear polyhedrosis virus genome. Oellig C, et al. **J Virol** 1987 Oct;61(10):3048–57

Two of the three influenza viral polymerase proteins expressed by using baculovirus vectors form a complex in insect cells. St. Angelo C, et al. **J Virol** 1987 Feb; 61(2):361–5

Location, transcription, and sequence of a baculovirus gene encoding a small arginine–rich polypeptide. Wilson ME, et al. **J Virol** 1987 Mar;61(3):661–6

A new method for extracting circular and supercoiled genome segments from cytoplasmic polyhedrosis virus. Yazaki K, et al. **J Virol Methods** 1986 Nov;14(3–4):275–83

DNA methyltransferase induced by PBCV–1 virus infection of a Chlorella–like green alga. Xia YN, et al. **Mol Cell Biol** 1986 May;6(5):1440–5

Restriction endonuclease activity induced by PBCV–1 virus infection of a Chlorella–like green alga. Xia YN, et al. **Mol Cell Biol** 1986 May;6(5):1430–9

Drosophila Krüppel gene product produced in a baculovirus expression system is a nuclear phosphoprotein that binds to DNA. Ollo R, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5700–4

Production and characterization of the neutralization antigen VP2 of bluetongue virus serotype 10 using a baculovirus expression vector. Inumaru S, et al. **Virology** 1987 Apr; 157(2):472–9

Effects of serial passage of Autographa californica nuclear polyhedrosis virus in cell culture. Kumar S, et al. **Virus Res** 1987 Jun;7(4):335–49

Variation in the temporal expression of overlapping baculovirus transcripts. Mainprize TH, et al. **Virus Res** 1986 Oct;6(1):85–99

Baculovirus transcription in the presence of inhibitors and in nonpermissive Drosophila cells. Rice WC, et al. **Virus Res** 1986 Nov;6(2):155–72

GROWTH & DEVELOPMENT

The 64K envelope protein of budded Autographa californica nuclear polyhedrosis virus. Volkman LE. **Curr Top Microbiol Immunol** 1986;131:103–18

ISOLATION & PURIFICATION

Comparison of a DNA–DNA dot–blot hybridisation assay with light microscopy and radioimmunoassay for the detection of a nuclear polyhedrosis virus. Ward VK, et al. **J Virol Methods** 1987 Jan;15(1):65–73

METABOLISM

Characterization of baculovirus p10 synthesis using monoclonal antibodies. Quant–Russell RL, et al. **Virology** 1987 Sep;160(1):9–19

PHYSIOLOGY

Autographa californica nuclear polyhedrosis virus efficiently enters but does not replicate in poikilothermic vertebrate cells. Brusca J, et al. **Intervirology** 1986;26(4):207–22

Cytoplasmic polyhedrosis viruses in Phlebotomus papatasi inhibit development of Leishmania major. Warburg A, et al. **J Parasitol** 1987 Jun;73(3):578–83

POLYHYDROXYETHYL METHACRYLATE see under **POLYMETHACRYLIC ACIDS**

POLYISOCYANATES see **POLYURETHANES**

POLYISOPRENYL PHOSPHATE MONOSACCHARIDES see under **POLYISOPRENYL PHOSPHATE SUGARS**

POLYISOPRENYL PHOSPHATE OLIGOSACCHARIDES see under **POLYISOPRENYL PHOSPHATE SUGARS**

POLYISOPRENYL PHOSPHATE SUGARS

BIOSYNTHESIS

Purification and properties of beta–mannosyltransferase that synthesizes Man–beta–GlcNAc–GlcNAc–pyrophosphoryl–dolichol. Kaushal GP, et al. **Arch Biochem Biophys** 1986 Oct; 250(1):38–47

Regulation of synthesis of N–linked glycoproteins and their lipid intermediates in human T lymphoblastoid cells. Katamura K, et al. **Int J Biochem** 1986;18(11):999–1003

ISOLATION & PURIFICATION

Recovery of dolichyl diphosphate oligosaccharide in methanolic aqueous phase prepared from rat liver microsomal fractions. Sarkar M, et al. **Biochem J** 1986 Jun 15;236(3):913–6

METABOLISM

Glycosyltransfer by pea membranes from sugar nucleotides to added prenyl phosphates. Torossian K, et al. **Biochim Biophys Acta** 1987 Sep 11;925(3):305–13

Catabolic pathway of oligosaccharide–diphospho–dolichol. Study of the fate of the oligosaccharidic moiety in mouse splenocytes. Cacan R, et al. **Eur J Biochem** 1987 Jul 15; 166(2):469–74

An enzyme catalyzing the liberation of N–acetylglucosamine from N–acetylglucosaminyl pyrophosphorylpolyprenol in Bacillus polymyxa membranes. Murazumi N, et al. **FEBS Lett** 1987 Jun 22;218(1):131–4

Regulation of synthesis of N–linked glycoproteins and their lipid intermediates in human T lymphoblastoid cells. Katamura K, et al. **Int J Biochem** 1986;18(11):999–1003

PHARMACODYNAMICS

Stimulation by dolichol phosphate–mannose of N–acetylglucosaminyl–lipid biosynthesis by membranes from class E Thy–1–negative mutant mouse lymphoma cells which are defective in dolichol phosphate–mannose biosynthesis. Kean EL, et al. **Arch Biochem Biophys** 1986 Oct;250(1):146–52

POLYISOPRENYL PHOSPHATES

ANALYSIS

Age–dependent changes in the levels of dolichol and dolichyl phosphates in human brain. Andersson M, et al. **Acta Chem Scand [B]** 1987 Feb;41(2):144–6

Extraction and quantitation of dolichol and dolichyl phosphate in soybean embryo tissue. Rip JW, et al. **Anal Biochem** 1987 Feb 1;160(2):350–5

A high–performance liquid chromatographic method for the determination of dolichyl phosphates in tissues. Yamada K, et al. **Anal Biochem** 1986 Aug 1;156(2):380–5

Dolichol and dolichyl phosphate in human tissues. Tollbom O, et al. **Br J Exp Pathol** 1986 Oct;67(5):757–64

Separation and quantitative determination of dolichol and dolichyl phosphate in rat and trout liver. Bizri M, et al. **Comp Biochem Physiol [B]** 1986;84(4):565–9

Dolichol and phosphorylated dolichol content of tissues in ceroid–lipofuscinosis. Hall NA, et al. **J Inherited Metab Dis** 1985;8(4):178–83

Distribution of dolichol and dolichyl phosphate in human brain. Andersson M, et al. **J Neurochem** 1987 Sep; 49(3):685–91

BIOSYNTHESIS

Synthesis of dolichol derivatives in trypanosomatids. Characterization of enzymatic patterns. de la Canal L, et al. **J Biol Chem** 1987 Aug 15;262(23):11128–33

CHEMICAL SYNTHESIS

Total synthesis of chain–length–uniform dolichyl phosphates and their fitness to accept hexoses in the enzymatic formation of lipoglycans. Jaenicke L, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):787–95

ISOLATION & PURIFICATION

Squalene synthetase. Solubilization and partial purification of squalene synthetase, copurification of presqualene pyrophosphate and squalene synthetase activities. Kuswik–Rabiega G, et al. **J Biol Chem** 1987 Feb 5; 262(4):1505–9

METABOLISM

Dehydrodolichyl diphosphate synthetase from rat seminiferous tubules. Baba T, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):440–50

Biosynthesis of the sesquiterpene patchoulol from farnesyl pyrophosphate in leaf extracts of Pogostemon cablin (patchouli): mechanistic considerations. Croteau R, et al. **Arch Biochem Biophys** 1987 Jul;256(1):56–68

Estrogen influences dolichyl phosphate distribution among glycolipid pools in mouse uteri. Carson DD, et al. **Biochemistry** 1987 Mar 24;26(6):1598–606

Effectivity of dolichyl phosphates with different chain lengths as acceptors of nucleotide activated sugars. Löw P, et al. **Biosci Rep** 1986 Jul;6(7):677–83

Dolichol kinase and the regulation of dolichyl phosphate levels in developing brain. Volpe JJ, et al. **Brain Res** 1987 Feb;428(2):193–200

Changes in hepatic dolichol and dolichyl monophosphate caused by treatment of rats with inducers of the endoplasmic reticulum and peroxisomes and during ontogeny. Edlund C, et al. **Chem Biol Interact** 1987; 62(2):191–208

Biosynthesis of monoterpenes. Enantioselectivity in the enzymatic cyclization of (+)– and (–)–linalyl pyrophosphate to (+)– and (–)–bornyl pyrophosphate. Croteau R, et al. **J Biol Chem** 1986 Oct 15;261(29):13438–45

Control of N–linked carbohydrate unit synthesis in thyroid endoplasmic reticulum by membrane organization and dolichyl phosphate availability. Spiro MJ, et al. **J Biol Chem** 1986 Nov 5;261(31):14725–32

Direct demonstration of the isomerization component of the monoterpene cyclase reaction using a cyclopropylcarbinyl pyrophosphate substrate analog. Wheeler CJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4856–9

PHARMACODYNAMICS

Dolichyl phosphate induces non–bilayer structures, vesicle fusion and transbilayer movement of lipids: a model membrane study. van Duijn G, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):211–23

POLYLYSINE

Forces between proteins and model polypeptides adsorbed on mica surfaces. Afshar–Rad T, et al. **Biochim Biophys Acta** 1987 Sep 2;915(1):101–11

The electronic spectra of porphyrin–like cobalt–tetracarboxy–phthalocyanines as modified by polylysine and polyglycols. Kornguth SE, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):19–26

High–level conjugation of chelating agents onto immunoglobulins: use of an intermediary poly(L–lysine)–diethylenetriaminepentaacetic acid carrier. Manabe Y, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):460–7

Vibrational circular dichroism spectra of three conformationally distinct states and an unordered state of

poly(L-lysine) in deuterated aqueous solution. Paterlini MG, et al. **Biopolymers** 1986 Sep;25(9):1751-65

Monoclonal antibody modification with chelate-linked high-molecular-weight polymers: major increases in polyvalent cation binding without loss of antigen binding. Torchilin VP, et al. **Hybridoma** 1987 Jun;6(3):229-40

The fusogenic effect of synthetic polycations on negatively charged lipid bilayers. Oku N, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):935-44

[Cooperation between two antiparallel peptide chains covering the major groove of DNA. Molecular model of a poly-lysine/poly-AT complex] Lejeune J. **Ann Genet (Paris)** 1986;29(4):229-31 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Ranking of prophylactic efficacy of poly(ICLC) against Rift Valley fever virus infection in mice by incremental relative risk of death. Kende M, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1194-8

ANALOGS & DERIVATIVES

Microencapsulation of pancreatic islets. A technique and its application to culture and transplantation. Hamaguchi K, et al. **Diabetes Res Clin Pract** 1986 Nov-Dec;2(6):337-45

Analysis of T cell responses to poly-L(GluLys) at the clonal level. I. Presence of responsive clones in nonresponder mice. De Kruyff RH, et al. **Eur J Immunol** 1987 Aug; 17(8):1115-20

Treatment of venereal disease in the penicillin-allergic patient: administration of penicillin following testing with major and minor determinants. Greenberger PA, et al. **New Engl Reg Allergy Proc** 1985 Spring;6(2):166-9

ANTAGONISTS & INHIBITORS

Glycosaminoglycans and a newly purified aortic chondroitin proteoglycan block polycationic modulation of protein phosphatase activity. Gifford D, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):64-73

CHEMICAL SYNTHESIS

Preparation and assay of poly ICL-CM dextran, an interferon inducer of reduced toxicity. Bello J, et al. **Methods Enzymol** 1986;119:103-6

DIAGNOSTIC USE

Fluorescence-activated sorting of individual cells onto poly-L-lysine-coated slide areas. Kanz L, et al. **Cytometry** 1986 Sep;7(5):491-4

METABOLISM

Poly(I).poly(C), a potential drug carrier for the antitumor agent mitoxantrone: in vitro drug binding study. Eichler HG, et al. **Cancer Chemother Pharmacol** 1987;20(1):81-2

PHARMACODYNAMICS

Mono(ADP-ribosyl)ation of Ca2+-dependent ATPase in rabbit skeletal muscle sarcoplasmic reticulum and the effect of poly L-lysine. Hara N, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):856-62

Polylysine induces pH-dependent fusion of acidic phospholipid vesicles: a model for polycation-induced fusion. Walter A, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):319-30

Polylysine-containing peptides, including the carboxyl-terminal segment of the human c-Ki-ras 2 protein, affect the activity of some key membrane enzymes. Gatica M, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):324-8

Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site. Lemaitre M, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):648-52

A sensitive solid-phase immunosorbent assay for tissue-type plasminogen activator activity in plasma using trinitrobenzoylated poly-D-lysine as a stimulator for plasminogen activation. Petersen LC, et al. **Thromb Haemost** 1987 Apr 7;57(2):205-11

Poly-lysines as modifiers of one- and two-chain tissue-type plasminogen activator activity. Green GD. **Thromb Res** 1986 Dec 15;44(6):849-57

Poly-D-lysine dependent inactivation of tissue plasminogen activator by a class PAI-2 inhibitor (minactivin). Leung KC, et al. **Thromb Res** 1987 Jun 15;46(6):767-77

THERAPEUTIC USE

Prophylaxis of Rift Valley fever with antiviral drugs, immune serum, an interferon inducer, and a macrophage activator. Peters CJ, et al. **Antiviral Res** 1986 Aug;6(5):285-97

Evaluation of polyinosinic-polycytidylic and poly-L-lysine in metastatic breast cancer. Theriault RL, et al. **Cancer Treat Rep** 1986 Nov;70(11):1341-2

Immunotherapy of metastatic renal cell carcinoma with polyinosinic-polycytidylic acid. Droller MJ. **J Urol** 1987 Feb;137(2):202-6

POLYMENORRHEA see **MENSTRUATION DISORDERS**

POLYMERS

see related
MACROMOLECULAR SYSTEMS

Toxic organic compound recoveries from 2,6-diphenyl-p-phenylene oxide porous polymer using supercritical carbon dioxide and thermal desorption methods. Raymer JH, et al. **Anal Chem** 1987 Apr 1; 59(7):1043-8

The current potential of plastination. von Hagens G, et al. **Anat Embryol (Berl)** 1987;175(4):411-21 (34 ref.)

The experimental basis of some recent hypotheses on the mechanism of the polymerization of actin: a reappraisal. Grazi E, et al. **Arch Biochem Biophys** 1987 Aug 15; 257(1):115-22

Adult human vascular endothelial cell attachment and migration on novel bioabsorbable polymers. Hasson JE, et al. **Arch Surg** 1987 Apr;122(4):428-30

Platelet adhesion and prevention at blood-polymer interface. Kim SW. **Artif Organs** 1987 Jun;11(3):228-36

Evaluation of the actin filament length from the time course of the depolymerization process. Grazi E, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):109-14

Permeability studies on liposomes formed from polymerizable diacetylenic phospholipids and their potential applications as drug delivery systems. Freeman FJ, et al. **Biochim Biophys Acta** 1987 May 19;924(2):341-51

Clearance and tissue distribution of functionalized polymeric liposomes from the blood stream of rats. Matsushita Y, et al. **Biochim Biophys Acta** 1987 Jul 10;901(1):166-71

Microencapsulation and controlled release of insulin from polylactic acid microcapsules. Lin SY, et al. **Biomater Med Devices Artif Organs** 1985-86; 13(3-4):187-201

Small diameter blood vessel prostheses from blends of polyethylene oxide and polypropylene oxide. Bots JG, et al. **Biomaterials** 1986 Sep;7(5):393-9

Polyanhydrides for controlled release of bioactive agents. Leong KW, et al. **Biomaterials** 1986 Sep;7(5):364-71

Fibrinogen adsorption and platelet adhesion at the surface of modified polypropylene glycol/polysiloxane networks. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):379-85

Crosslinked polyether/polysiloxane networks for blood-interfacing applications. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):372-8

Electrical insulation of implantable devices by composite polymer coatings. Nichols MF, et al. **Biomed Sci Instrum** 1987;23:57-62

Inaccurate measurement of a polymeric IgA myeloma protein by nephelometric and fluorometric instrumentation. Levinson SS, et al. **Clin Chem** 1986 Nov;32(11):2112-5

A comparison of the utility of Dowex resin and polybenzimidazole Aurorez resin in the determination of urinary porphobilinogen concentrations. Galbraith RA, et al. **Clin Chim Acta** 1987 Apr 30;164(2):235-9

Uromucoid (Tamm-Horsfall glycoprotein) forms different polymeric arrangements on a filter surface under different physicochemical conditions. Wiggins RC. **Clin Chim Acta** 1987 Feb 15;162(3):329-40

A biomechanical evaluation of sorbothane. Cinats J, et al. **Clin Orthop** 1987 Sep;(222):281-8

Use of a polymer-bound flavin derivative for the rapid regeneration of NAD(P)+ from NAD(P)H in dehydrogenase systems. Montaine F, et al. **Eur J Biochem** 1987 Apr 15;164(2):329-36

Physicochemical studies of vesicles and biomembranes. Spectroscopic studies and phospholipid polymers. Chapman D, et al. **Faraday Discuss Chem Soc** 1986; (81):107-16

Inhibition of actin polymerization by latrunculin A. Coué M, et al. **FEBS Lett** 1987 Mar 23;213(2):316-8

Definition of the geometric area of a microelectrode tip by plasma etching of Parylene. Levy BP, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):1046-9

The use of root canal filling materials containing paraformaldehyde: a status report. Council on Dental Therapeutics. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1987 Jan;114(1):95

The use of a model system to compare the efficiency of ultrasound and agitation in the recovery of Bacillus subtilis spores from polymer surfaces. Dewhurst E, et al. **J Appl Bacteriol** 1986 Oct;61(4):357-63

Protein adsorption to polymer particles: role of surface properties. Absolom DR, et al. **J Biomed Mater Res** 1987 Feb;21(2):161-71

Short-term biocompatibility studies of hydrogel-grafted collagen copolymers. Amudeswari S, et al. **J Biomed Mater Res** 1986 Oct;20(8):1103-9

Adsorption of low density lipoproteins onto selected biomedical polymers. Dong DE, et al. **J Biomed Mater Res** 1987 Jun;21(6):683-700

In vitro and in vivo kinetics of regulated drug release from polymer matrices by oscillating magnetic fields. Edelman ER, et al. **J Biomed Mater Res** 1987 Mar;21(3):339-53

Polymer coating for hemoperfusion over activated charcoal. Hasirci N, et al. **J Biomed Mater Res** 1986 Sep;20(7):963-70

Tissue biocompatibility of kevlar aramid fibers and polymethylmethacrylate, composites in rabbits. Henderson JD Jr, et al. **J Biomed Mater Res** 1987 Jan;21(1):59-64

Tissue reactions to wear products from polyacetal (Delrin) and UHMW polyethylene in total hip replacement. Mathiesen EB, et al. **J Biomed Mater Res** 1987 Apr; 21(4):459-66

Suppression of platelet activity on microdomain surfaces of 2-hydroxyethyl methacrylate-polyether block copolymers. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):1035-47

Complement activation by hydroxyethylmethacrylate-ethylmethacrylate copolymers. Payne MS, et al. **J Biomed Mater Res** 1987 Jul;21(7):843-59

The influence of protein adsorption on interactions of cultured human endothelial cells with polymers. van Wachem PB, et al. **J Biomed Mater Res** 1987 Jun; 21(6):701-18

Adhesion behavior of rat lymphocytes to poly(ether)-poly(amino acid) block and graft copolymers. Yokoyama M, et al. **J Biomed Mater Res** 1986 Sep; 20(7):867-78

Effect of microstructure of poly(propylene-oxide)-segmented polyamides on platelet adhesion. Yui N, et al. **J Biomed Mater Res** 1986 Sep; 20(7):929-43

Restoration of bone discontinuities in dogs using a biodegradable implant. Hollinger JO, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):594-600

Bone ingrowth into polymer coated porous synthetic coralline hydroxyapatite. Tencer AF, et al. **J Orthop Res** 1987;5(2):275-82

Ultrasonically mediated solute permeation through polymer barriers. Julian TN, et al. **J Pharm Pharmacol** 1986 Dec; 38(12):871-7

Casting solvent effects on the permeability of polymer films of differing quaternary ammonium (cation) content. Okor RS, et al. **J Pharm Pharmacol** 1987 Jul;39(7):547-8

Compound polyglactin 910/polypropylene small vessel prostheses. Greisler HP, et al. **J Vasc Surg** 1987 Apr; 5(4):572-83

A survey of enzyme coupling techniques. Scouten WH. **Methods Enzymol** 1987;135:30-65

Novel materials from protein-polymer grafts. Kaleem K, et al. **Nature** 1987 Jan 22-28;325(6102):328-9

Biologic evaluation of SPAD. II. A clinical comparison of Traitement SPAD with the conventional root canal filling technique. Negm MM. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):487-93

"No suture" microanastomosis using Vicryl rings and fibrin adhesive system: an unsuccessful attempt. Sagi A, et al. **Plast Reconstr Surg** 1987 May;79(5):776-7

Factors influencing the yield and purity of goat sperm plasma membranes isolated by means of an aqueous two-phase polymer system. Rana AP, et al. **Prep Biochem** 1987; 17(3):261-81

New absorbable synthetic explants for the treatment of retinal detachment. Marti R, et al. **Retina** 1987 Summer; 7(2):102-10

Hierarchical structure in polymeric materials. Baer E, et al. **Science** 1987 Feb 27;235(4792):1015-22

A temporary nontoxic lubricant for a synthetic absorbable suture. Rodeheaver GT, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):17-21

Successful 48-hour preservation of the rat liver by continuous hypothermic perfusion with haemaccel-isotonic citrate solution. Tamaki T, et al. **Transplantation** 1987 Apr; 43(4):468-71

The in vitro assessment of a collagen/vicryl (polyglactin) composite film together with candidate suture materials for use in urinary tract surgery. I. Physical testing. Gorham SD, et al. **Urol Res** 1987;15(1):53-9

[Elimination of the amputation cavity after extirpation of the rectum using ampoxen] Dimitrov V, et al. **Khirurgiia (Sofiia)** 1987;40(2):61-4 (Eng. Abstr.) **(Bul)**

[An original procedure for preparing nanocapsules of polyalkylcyanoacrylates for interfacial polymerization] al Khouri N, et al. **Pharm Acta Helv** 1986;61(10-11):274-81 **(Fre)**

[Provisional extension bridges reinforced with Kevlar] Hess D, et al. **Schweiz Monatsschr Zahnmed** 1987;97(4):456-63 **(Fre)**

[Immobilization of preimplantation mammalian embryos by microcapsulation] Torner H, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):541-7 (Eng. Abstr.) **(Ger)**

[Osteosynthesis of the spine with individually adapted plate of carbon fiber reinforced polysulfone] Burri C, et al. **Unfallchirurg** 1986 Nov;89(11):528-32 (Eng. Abstr.) **(Ger)**

[In vivo study of the abrasion behavior of plastic teeth—a new method] Wagner IV, et al. **Zahn Mund Kieferheilkd** 1987;75(1):5-11 (Eng. Abstr.) **(Ger)**

[The idea of studies on dental polymers] Masuhara E. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):377-85 (11 ref.) **(Jpn)**

[Experimental study of an anticancer drug delivery system using polylactic acid] Yamashita R. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):401-12 (Eng. Abstr.) **(Jpn)**

[Determination of the parameters necessary for forecasting the sanitary-chemical characteristics of polymeric construction materials] Vasil'eva TS, et al. **Gig Sanit** 1987 May;(5):55-7 **(Rus)**

[Precision suture using a thread made of polyolefin compounds (prolene, polypropylene) in surgery of the bile ducts] Lapkin KV, et al. **Khirurgiia (Mosk)** 1987 Jan; (1):46-52 (Eng. Abstr.) **(Rus)**

[The use of polymer fibers as a substrate for cultured nerve tissue] Svanidze IK, et al. **Tsitologiia** 1987 May;29(5):611–2 (Eng. Abstr.) **(Rus)**

[Hemodiafiltration using a polysulfone membrane, its ultrafiltration characteristics and biocompatibility] Iarmolinskii IS, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr; (2):45–9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

For peptide drugs like insulin: new protective coat for oral administration. **Am Pharm** 1986 Nov;NS26(11):15–6

[Polymer–drug complexes in the chemotherapy of malignant tumors] Rusakov IG, et al. **Sov Med** 1986;(11):46–51 (72 ref.) **(Rus)**

ADVERSE EFFECTS

Polymers for healing caps on titanium implants. Ekstrand K, et al. **Biomaterials** 1987 Jan;8(1):38–41

Sensitization to phenol formaldehyde resin in rubber glue. van der Willigen AH, et al. **Contact Dermatitis** 1987 May; 16(5):291–2

Prevalence of occupational asthma in spray painters exposed to several types of isocyanates, including polymethylene polyphenylisocyanate. Séguin P, et al. **J Occup Med** 1987 Apr;29(4):340–4

Skin necrosis following Haemaccel. Allen MB. **Postgrad Med J** 1986 Sep;62(731):889–91

Adhesion formation to the uterine horn of the rat in response to nylon and a new absorbable clip. Lavy G, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):204–6

ANALYSIS

Stability of parabens in the presence of polyols. Runesson B, et al. **Acta Pharm Suec** 1986;23(3):151–62

Anticoagulant hydrogels derived from crosslinked dextran. Part I: Synthesis, characterization and antithrombic activity. Aubert N, et al. **Biomaterials** 1987 Jan;8(1):24–9

Mild interaction of proteins with butyl and hydroxyl groups on the surface of polymer gels TSK HW–65 and butyl toyopearl 650–M. Imai H, et al. **J Chromatogr** 1986 Dec 26;371:29–35

On the stoichiometric model of electrostatic interaction chromatography for biopolymers. Velayudhan A, et al. **J Chromatogr** 1986 Sep 26;367(1):160–2

[Determination of acrylonitrile in polymer materials and aqueous and oily extracts of them by the gas–chromatography method] Gortseva LV, et al. **Gig Sanit** 1987 Apr;(4):61–2 **(Rus)**

[Use of gas–liquid chromatography for determining ethers of o–phthalic and sebacic acids in water and aqueous extracts from polymeric materials] Gortseva LV, et al. **Gig Sanit** 1986 Jul;(7):46–7 **(Rus)**

[Extraction and quantification of polyphenols from coffee pulp] García LA, et al. **Arch Latinoam Nutr** 1985 Sep; 35(3):491–5 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Tropomyosin from human erythrocyte membrane polymerizes poorly but binds F–actin effectively in the presence and absence of spectrin. Mak AS, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):157–66

Actin polymerization and its relationship to locomotion and chemokinetic response in maturing human promyelocytic leukemia cells. Meyer WH, et al. **Blood** 1987 Aug; 70(2):363–7

Poly–beta–hydroxybutyrate membrane structure and its relationship to genetic transformability in Escherichia coli. Reusch RN, et al. **J Bacteriol** 1986 Nov;168(2):553–62

BLOOD

Increased plasma concentration of cross–linked fibrin polymers in acute myocardial infarction. Francis CW, et al. **Circulation** 1987 Jun;75(6):1170–7

CHEMICAL SYNTHESIS

Synthesis and antithrombogenicity of polyetherurethaneureas containing quaternary ammonium groups in the side chains and of the polymer/heparin complex. Ito Y, et al. **J Biomed Mater Res** 1986 Sep;20(7):1017–33

Synthesis of novel polyaminoetherurethaneureas and development of antithrombogenic material by their chemical modifications. Shibuta R, et al. **J Biomed Mater Res** 1986 Sep;20(7):971–87

[The effect of phenolic polymers on retroviruses] Sydow G, et al. **Pharmazie** 1986 Dec;41(12):865–8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

A stagnation point flow technique to measure platelet adhesion onto polymer films from native blood—a technical report. Wurzinger LJ, et al. **Thromb Res** 1986 Nov 1;44(3):401–6

IMMUNOLOGY

Single–step immunization using a controlled release, biodegradable polymer with sustained adjuvant activity. Kohn J, et al. **J Immunol Methods** 1986 Dec 4;95(1):31–8

Contact allergy to 4,4'–dihydroxy–(hydroxymethyl)–diphenyl methanes: sensitizers in a phenol–formaldehyde resin. Bruze M, et al. **J Invest Dermatol** 1986 Nov;87(5):617–23

[Effect of heparin on the immunogenicity of electrostatic covalent albumin complexes with synthetic polyions. Immunogenicity of the triple covalent complex polyelectrolyte–protein–heparin] Petrov RV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):30–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Occurrence of carotenoids and sporopollenin in Nanochlorum eucaryotum, a novel marine alga with unusual characteristics. Geisert M, et al. **Biosystems** 1987; 20(2):133–42

Sample preparation and column regeneration in biopolymer separations. Wehr CT. **J Chromatogr** 1987 Jul 17;418:27–50 (78 ref.)

Extraction and quantification of toxins from Karwinskia humboldtiana (tullidora). Guerrero M, et al. **Toxicon** 1987; 25(5):565–8

METABOLISM

Adaptive dynamic networks as models for the immune system and autocatalytic sets. Farmer JD, et al. **Ann NY Acad Sci** 1987;504:118–31

Contact inhibition within hemoglobin S polymer by thiol reagents. Caburi–Martin J, et al. **Biochim Biophys Acta** 1986 Nov 7;874(1):82–9

In–vivo degradation of poly(lactic acid) of different molecular weights. Chawla AS, et al. **Biomater Med Devices Artif Organs** 1985–86; 13(3–4):153–62

Capacity of human serum to depolymerize actin filaments. Janmey PA, et al. **Blood** 1987 Aug;70(2):524–30

Clinical pharmacology of the biological response modifier maleic anhydride divinyl ether copolymer (MVE–2). Rosenblum MG, et al. **Cancer Chemother Pharmacol** 1986; 18(3):243–6

Studies on glucosyltransferase and endogenous glucosyl acceptor in Bacillus cereus AHU 1030 membranes. Shimada A, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1507–21

The mechanisms of ATP hydrolysis accompanying the polymerization of Mg–actin and Ca–actin. Carlier MF, et al. **J Biol Chem** 1987 Mar 5;262(7):3052–9

Actin polymerization. The mechanism of action of cytochalasin D. Goddette DW, et al. **J Biol Chem** 1986 Dec 5;261(34):15974–80

Direct measurement of poly(beta–hydroxybutyrate) in a pseudomonad by solid–state 13C NMR. Jacob GS, et al. **J Biol Chem** 1986 Dec 25;261(36):16785–7

T–cell subsets: effects of cryopreservation, paraformaldehyde fixation, incubation regime and choice of fluorescein–conjugated anti–mouse IgG on the percentage positive cells stained with monoclonal antibodies. Jones HP, et al. **J Immunol Methods** 1986 Sep 27;92(2):195–200

Facilitation of actin polymerization by interfilamentous factors. Cervén E. **J Muscle Res Cell Motil** 1987 Feb; 8(1):23–9

Glomerular epithelial cell, polyanion neutralization is associated with enhanced prostanoid production. Pugliese F, et al. **Kidney Int** 1987 Jul;32(1):57–61

The organ distribution and circulation time of intravenously injected colloidal carriers sterically stabilized with a block copolymer—poloxamine 908. Illum L, et al. **Life Sci** 1987 Jan 26;40(4):367–74

Platelet factor 4 enhances fibrin fiber polymerization. Carr ME, et al. **Thromb Res** 1987 Mar 1;45(5):539–43

2,5–Hexanedione alters microtubule assembly. II. Enhanced polymerization of crosslinked tubulin. Boekelheide K. **Toxicol Appl Pharmacol** 1987 May;88(3):383–96

2,5–Hexanedione alters microtubule assembly. I. Testicular atrophy, not nervous system toxicity, correlates with enhanced tubulin polymerization. Boekelheide K. **Toxicol Appl Pharmacol** 1987 May;88(3):370–82

PHARMACODYNAMICS

Conformational changes induced by polyanions in haemoglobin from the dromedary (Camelus dromedarius). Role of chloride ions. Santucci R, et al. **Biochem J** 1986 Dec 1;240(2):613–6

Polymeric inhibitors of platelet aggregation. II. Copolymers of dipyridamole and related drugs with N–vinylpyrrolidone. Bamford CH, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):38–44

Paraformaldehyde–fixation–dependent antibodies [letter] von dem Borne AE, et al. **Br J Haematol** 1986 Sep;64(1):205–7

Augmentation of natural cell activity in tumor–bearing and normal mice by MVE–2. Budzynski W, et al. **Cancer Immunol Immunother** 1987;24(3):253–8

I–Ad antigen expression of pyran copolymer–induced peritoneal cells in tumor vaccine–primed mice and its association with the host antitumor response. Oh–hashi F, et al. **Cancer Immunol Immunother** 1987;24(1):57–63

Mechanism of action of a new antitumor agent, carbetimer. Ardalan B, et al. **Cancer Res** 1986 Nov;46(11):5473–6

Inability of anti–asialo–GM1 and 2–chloroadenosine to abrogate maleic anhydride–divinyl ether–induced resistance against experimental murine lung carcinoma metastases. Schultz RM, et al. **Cancer Res** 1986 Nov; 46(11):5624–8

The effect of a synthetic polypeptide on the renal handling of protein in man. Beetham R, et al. **Clin Sci** 1987 Feb; 72(2):245–9

Metabolic and circulatory responses to the ingestion of glucose polymer and glucose/electrolyte solutions during exercise in man. Maughan RJ, et al. **Eur J Appl Physiol** 1987;56(3):356–62

In–vivo studies on Haemaccel–fibronectin interaction in man. Damas P, et al. **Eur J Clin Invest** 1987 Apr;17(2):166–73

Stabilisation of collagen by betel nut polyphenols as a mechanism in oral submucous fibrosis. Scutt A, et al. **Experientia** 1987 Apr 15;43(4):391–3

Phosphorylation of the modulator protein of the ATP, Mg–dependent protein phosphatase by casein kinase TS. Reversal by PCS phosphatases and control by distinct phosphorylation site(s). Agostinis P, et al. **FEBS Lett** 1986 Oct 20;207(1):167–72

Charge selectivity of rat intestinal capillaries. Influence of polycations. Granger DN, et al. **Gastroenterology** 1986 Dec; 91(6):1443–6

Effect of muralytic enzyme degradation of streptococcal cell wall on complement activation in vivo and in vitro. Janusz MJ, et al. **Inflammation** 1987 Mar;11(1):73–85

Dephosphorylation of phosphoproteins and synthetic phosphopeptides. Study of the specificity of the polycation–stimulated and MgATP–dependent phosphorylase phosphatases. Agostinis P, et al. **J Biol Chem** 1987 Jan 25;262(3):1060–4

Purification and properties of polycation–stimulated phosphorylase phosphatases from rabbit skeletal muscle. Waelkens E, et al. **J Biol Chem** 1987 Jan 25;262(3):1049–59

Maleyl–BSA and fucoidan induce expression of a set of early proteins in murine mononuclear phagocytes. Johnston PA, et al. **J Immunol** 1987 Mar 1;138(5):1551–8

Polyanionic agents do not inhibit phagosome–lysosome fusion in cultured macrophages. Goren MB, et al. **J Leukocyte Biol** 1987 Feb;41(2):122–9

Polyanionic agents as inhibitors of phagosome–lysosome fusion in cultured macrophages: evolution of an alternative interpretation. Goren MB, et al. **J Leukocyte Biol** 1987 Feb;41(2):111–21

The effect of a penetrating biodegradable implant on the epiphyseal plate: an experimental study on growing rabbits with special regard to polyglactin 910. Mäkelä EA, et al. **J Pediatr Orthop** 1987 Jul–Aug;7(4):415–20

Particle design of tolbutamide in the presence of soluble polymer or surfactant by the spherical crystallization technique: improvement of dissolution rate. Sano A, et al. **J Pharm Sci** 1987 Jun;76(6):471–4

Gentamicin and phenytoin sieving through hollow–fiber polysulfone hemofilters. Golper TA, et al. **Kidney Int** 1986 Dec;30(6):937–43

Glomerular epithelial cell, polyanion neutralization is associated with enhanced prostanoid production. Pugliese F, et al. **Kidney Int** 1987 Jul;32(1):57–61

Biologic evaluation of SPAD. I. A comparison between the tissue reactions to SPAD, Gelfoam, and silver amalgam. Negm MM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):478–86

Polycations as prostaglandin synthesis inducers. II. Structure–activity relationships. Shier WT, et al. **Prostaglandins** 1986 Jun;31(6):1145–57

Selective inhibition of human natural killing and antibody–dependent cellular cytotoxicity by a polyanion. Roellinger S, et al. **Scand J Immunol** 1987 May;25(5):507–15

Anticoagulant effect of sulphated poly/vinyl alcohol–acrylic acid/copolymers. Machovich R, et al. **Thromb Haemost** 1986 Dec 15;56(3):397–400

Hemagglutination enhancement by bovine serum albumin is affected by octanoate, Reactive Blue 2 (Cibacron Blue), and polymer. King MJ. **Transfusion** 1987 Jul–Aug; 27(4):302–8

[Antiviral action of a polyphenol complex isolated from the medicinal plant Geranium sanguineum L. I. Its inhibiting action on the reproduction of the influenza virus] Manolova N, et al. **Acta Microbiol Bulg** 1986;18:73–7 (Eng. Abstr.) **(Bul)**

[Antiviral action of a polyphenol complex isolated from the medicinal plant Geranium sanguineum L. II. Its inactivating action on the influenza virus] Serkedzhieva Iu, et al. **Acta Microbiol Bulg** 1986;18:78–82 (Eng. Abstr.) **(Bul)**

[Enhanced protein–protein interaction in the presence of polycations. Approximation to one–dimensional diffusion] Savitskiĭ AP, et al. **Dokl Akad Nauk SSSR** 1987; 294(6):1501–5 **(Rus)**

[Mediated action of phytogenic antineoplastic agents on rats with Pliss lymphosarcoma] Rakhimov KD, et al. **Eksp Onkol** 1986;8(4):68–70 (Eng. Abstr.) **(Rus)**

[Interferon–inducing and antiviral activity of maleic anhydride copolymers] Nosik NN, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):605–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of platelets and polycationic mediators in glomerular vascular injury. Barnes JL, et al. **Semin Nephrol** 1985 Mar; 5(1):57–68

RADIATION EFFECTS

A study on the effect of gamma radiation sterilization of polycarbonate (LMW). Jayabalan M, et al. **Biomed Sci Instrum** 1987;23:149–53

Assessment of the dose response of polysulphone film badges

for the measurement of UV-radiation. Kolari PJ, et al. **Photodermatol** 1986 Aug;3(4):228-32

Ablation of polymers and biological tissue by ultraviolet lasers. Srinivasan R. **Science** 1986 Oct 31;234(4776):559-65

STANDARDS

Skin protection, Viton, and solubility parameters. Perkins JL, et al. **Am Ind Hyg Assoc J** 1986 Dec;47(12):803-8

Standardization of modified allergens using polymerized ragweed as a model system. Grammer LC, et al. **Clin Rev Allergy** 1987 Feb;5(1):107-16 (26 ref.)

[Maxon and PDS--evaluation and physical and biologic properties of monofilament absorbable suture materials] Knoop M, et al. **Langenbecks Arch Chir** 1987;371(1):13-28 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Phase II trial of MVE-II in metastatic malignant melanoma. Rinehart J, et al. **Cancer Immunol Immunother** 1987; 24(3):244-6

Increased therapeutic efficacy and reduced toxicity of doxorubicin linked to pyran copolymer via the side chain of the drug. Zunino F, et al. **Cancer Treat Rep** 1987 Apr; 71(4):367-73

Protection against atherogenesis with the polymer drag-reducing agent Separan AP-30. Faruqui FI, et al. **Circulation** 1987 Mar;75(3):627-35

Aluminum-free oral phosphate binder. Schneider H, et al. **Clin Nephrol** 1985;24 Suppl 1:S98-102

Polygeline. Davies MJ. **Dev Biol Stand** 1987;67:129-31

Biodegradable internal fixation for malleolar fractures. A prospective randomised trial. Böstman O, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):615-9

Evaluation of an absorbable muscle sleeve to limit postoperative adhesions in strabismus surgery. Sondhi N, et al. **Ophthalmic Surg** 1987 Jun;18(6):441-3

An experimental study on prevention of postlaminectomy scar formation by the use of new materials. Mikawa Y, et al. **Spine** 1986 Oct;11(8):843-6

[Combined action of antiviral substances of natural and synthetic origin. I. The anti-influenza action of a combination of the polyphenol complex isolated from Geranium sanguineum L. and remantadine in vitro and in ovo] Serkedzhieva Iu, et al. **Acta Microbiol Bulg** 1986; 19:18-22 (Eng. Abstr.) **(Bul)**

[Pelvic exclusion by polyglactin 910 mesh. Value in the prevention of radiation enteritis] Giraud B, et al. **Chirurgie** 1986;112(6):493-501 (Eng. Abstr.) **(Fre)**

[Radiation enteritis after pelvic irradiation of cancer of the rectum. Prevention by omentoplasty and pelvic partitioning with polyglactin 910 mesh] Samama G, et al. **Presse Med** 1987 Jul 4;16(26):1282-4 (Eng. Abstr.) **(Fre)**

[Therapy of varicose ulcer using crilanomer and dextranomer] Hornemann M, et al. **Z Hautkr** 1987 Jan 1; 62(1):41-51 (Eng. Abstr.) **(Ger)**

[Effect of kaleflon on the course of experimental hepatitis] Ubeeva IP, et al. **Farmakol Toksikol** 1987 Jan-Feb; 50(1):66-71 (Eng. Abstr.) **(Rus)**

[Radiation-protective effect of insoluble polyanion in prolonged gamma irradiation] Minkova MI, et al. **Kosm Biol Aviakosm Med** 1986 Nov-Dec;20(6):92-3 **(Rus)**

[Antiviral and immunostimulating effect of maleic anhydride copolymers in experimental neuroviral infections] Davydova AA, et al. **Vopr Virusol** 1986 Sep-Oct; 31(5):595-8 (Eng. Abstr.) **(Rus)**

[Effects of polymeric prostaglandin PGBx in cerebral ischemia] Martínez Rodríguez HR, et al. **Rev Invest Clin** 1986 Jul-Sep;38(3):251-60 (Eng. Abstr.) **(Spa)**

TOXICITY

Safety evaluation of polymer materials. Darby TD. **Annu Rev Pharmacol Toxicol** 1987;27:157-67

Effects of hydroxyethylstarch (Hespan), a plasma expander, on the functional activity of the reticuloendothelial system. Comparison with human serum albumin and pyran copolymer. White KL Jr, et al. **Drug Chem Toxicol** 1986; 9(3-4):305-22

Pulmonary vascular injury by polycations in perfused rat lungs. Chang SW, et al. **J Appl Physiol** 1987 May; 62(5):1932-43

[Study of local irritability and total toxicity of acrylate gels in guinea pigs and rabbits] Sováková V, et al. **Cesk Farm** 1987 Apr;36(3):103-7 (Eng. Abstr.) **(Cze)**

[Testing of polymeric materials for the toxicity of their combustion products] Ilichkin VS, et al. **Gig Sanit** 1986 Sep;(9):49-52 **(Rus)**

[Hygiene of water treatment during the drilling of wells for drinking water using water-soluble polymers] Klimkina NV, et al. **Gig Sanit** 1987 May;(5):14-7 (Eng. Abstr.) **(Rus)**

[Medico-chemical and toxicologic studies of the polymer glue GIPK-1410] Medoian AA, et al. **Gig Sanit** 1986 Oct; (10):81-2 **(Rus)**

[Feasibility of the rapid evaluation of the toxicity of polymer materials and products made from them in hydrobionts] Semenenko EI, et al. **Gig Sanit** 1987 Feb;(2):29-32 (Eng. Abstr.) **(Rus)**

[Current problems of hygienic standards in relation to the use of polymeric materials] Sheftel' VO. **Gig Sanit** 1986 Jul;(7):63-5 **(Rus)**

[Analysis of the adaptive reactions in workers engaged in the production of chemical fibers] Shustov VIa, et al. **Gig Tr Prof Zabol** 1987 Jun;(6):18-21 (Eng. Abstr.) **(Rus)**

[Combined allergic effects of volatile complexes of epoxy and phenolformaldehyde compositions] Veremel MI. **Gig Tr Prof Zabol** 1987 Feb;(2):37-40 (Eng. Abstr.) **(Rus)**

[Effect of polymeric materials on the development of experimental mycosis due to Trichophyton rubrum] Grebennikov VA, et al. **Vestn Dermatol Venerol** 1986; (7):30-3 (Eng. Abstr.) **(Rus)**

[Establishment of the permissible levels for the migration of harmful substances from polymeric materials into water] Sheftel' VO, et al. **Vrach Delo** 1986 Oct;(10):116-9 (Eng. Abstr.) **(Rus)**

POLYMETHACRYLIC ACIDS

Water absorption characteristics of some unfilled resins. Braden M, et al. **Biomaterials** 1986 Nov;7(6):474-5

Calcification of poly(2-hydroxyethyl methacrylate)-collagen composites implanted in rats. Cífková I, et al. **Biomaterials** 1987 Jan;8(1):30-4

A two-year clinical trial comparing different resin systems used as fissure sealants. Williams B, et al. **Br Dent J** 1986 Nov 22;161(10):367-70

A clinical trial of a light activated bonding material over an 18 month period. Lovius BB, et al. **Br J Orthod** 1987 Jan;14(1):11-20

The effect of sucrose on the colonization of acrylic by Candida albicans in pure and mixed culture in an artificial mouth. Richards S, et al. **J Appl Bacteriol** 1987 May; 62(5):421-7

Water sorption of polymethacrylate networks: bis-GMA/TEGDM copolymers. Kalachandra S, et al. **J Biomed Mater Res** 1987 Mar;21(3):329-38

Suppression of platelet activity on microdomain surfaces of 2-hydroxyethyl methacrylate-polyether block copolymers. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):1035-47

Hydrophilic-hydrophobic microdomain surfaces having an ability to suppress platelet aggregation and their in vitro antithrombogenicity. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):919-27

Effect of acidic pretreatment on adhesion to dentin mediated by Gluma. Asmussen E, et al. **J Dent Res** 1987 Aug; 66(8):1386-8

Incorporation into human enamel of fluoride slowly released from a sealant in vivo. Tanaka M, et al. **J Dent Res** 1987 Oct;66(10):1591-3

Characterization of polydimethacrylates and their composites by dynamic mechanical analysis. Wilson TW, et al. **J Dent Res** 1987 May;66(5):1032-5

A study on crown and bridge resin using PNC-EMA monomer. Anzai M, et al. **J Nihon Univ Sch Dent** 1986 Dec;28(4):240-8

Dentin-polymer bond established by Gluma and tested by thermal stress. Munksgaard EC, et al. **Scand J Dent Res** 1987 Apr;95(2):185-90

[Application of polyethylene glycol (PEG) to the control of permeability of poly(meth)acrylate coatings] Hennig D, et al. **Pharmazie** 1987 Jan;42(1):26-8 (Eng. Abstr.) **(Ger)**

[Treatment of glottic insufficiency with intracordal implant of hydron gel: phoniatric evaluation] Accordi M, et al. **Acta Otorhinolaryngol Ital** 1987 Jan-Feb;7(1):87-100 (Eng. Abstr.) **(Ita)**

[Dentin adhesive compound in Black's class V cavities treated with different detergents] Debernardi C, et al. **Minerva Stomatol** 1987 Jan-Feb;36(1-2):29-36 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

[Biocements as fixation and bridging materials in bones] Raveh J, et al. **Aktuel Probl Chir Orthop** 1987;31:365-70 **(Ger)**

ANALYSIS

Exposure of acrylic fingernail sculptors to organic vapors and methacrylate dusts. Hiipakka D, et al. **Am Ind Hyg Assoc J** 1987 Mar;48(3):230-7

[New development of a bone cement which swells] Seidel H, et al. **Aktuel Probl Chir Orthop** 1987;31:354-7 **(Ger)**

PHARMACODYNAMICS

The reaction of skin to primers used in the "single-step" bonding systems. Altuna G, et al. **Am J Orthod Dentofacial Orthop** 1987 Feb;91(2):105-10

Effect of a hydrogel with long polyethyleneoxide chains on blood coagulation and fibrinolysis. Nakao A, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):319-22

Complement activation by hydroxyethylmethacrylate-ethylmethacrylate copolymers. Payne MS, et al. **J Biomed Mater Res** 1987 Jul;21(7):843-59

The efficacy of resin-compatible cavity varnishes in reducing dentin permeability to free monomer. Tjan AH, et al. **J Prosthet Dent** 1987 Feb;57(2):179-85

Effect of Gluma in acid-etched dentin cavities. Hansen EK. **Scand J Dent Res** 1987 Apr;95(2):181-4

Monkey pulp reactions to cavities treated with Gluma Dentin Bond and restored with a microfilled composite. Hörsted-Bindslev P. **Scand J Dent Res** 1987 Aug; 95(4):347-55

[The high-filler material Airodent-02 for plastic facings of unit-cast bridge dentures] Karal'nik DM, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):61-2 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Worksite smoking cessation using nicotine resin gum (Nicorette) [news] Plank SJ. **Am J Public Health** 1987 Aug; 77(8):1013-4

Fixation of bone fragments with BIOCEM. First observations on humans. Vuillemin T, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):836-40

Hydrogels in endovascular embolization. II. Clinical use of spherical particles. Horák D, et al. **Biomaterials** 1986 Nov; 7(6):467-70

Nicotine gum in smoking cessation: rationale, efficacy, and proper use. Schneider NG. **Compr Ther** 1987 Mar; 13(3):32-7

[Hydron, a material for root canal obturation. An in vitro evaluation] Ingenito A, et al. **Minerva Stomatol** 1987 Apr; 36(4):253-8 (Eng. Abstr.) **(Ita)**

POLYMETHYLMETHACRYLATE see **METHYLMETHACRYLATES**

POLYMORPHISM (GENETICS)

The polymorphism linked to the human insulin gene: its lack of association with either IDDM or NIDDM in Japanese. Takeda J, et al. **Acta Endocrinol (Copenh)** 1986 Oct; 113(2):268-71

Polymorphism of the immunoglobulin heavy chain T cell receptor beta-chain genes in Graves' disease. Demaine A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:149-51

Investigation of genetic linkage in human families. White R, et al. **Adv Hum Genet** 1987;16:121-228 (363 ref.)

Immunogenetic polymorphism of apolipoprotein B in humans: studies with a monoclonal anti-Ag(c) antibody. Tikkanen MJ. **Am Heart J** 1987 Feb;113(2 Pt 2):428-32 (26 ref.)

Apolipoprotein E polymorphism in health and disease. Utermann G. **Am Heart J** 1987 Feb;113(2 Pt 2):433-40 (28 ref.)

A polymorphic form of familial arrhythmogenic right ventricular dysplasia. Nava A, et al. **Am J Cardiol** 1987 Jun 1;59(15):1405-9

Allele frequency distribution of two highly polymorphic DNA sequences in three ethnic groups and its application to the determination of paternity. Baird M, et al. **Am J Hum Genet** 1986 Oct;39(4):489-501

Formulas for mean restriction-fragment lengths and related quantities. Biggins JD, et al. **Am J Hum Genet** 1987 Aug; 41(2):258-65

Mapping the Wilson disease locus to a cluster of linked polymorphic markers on chromosome 13. Bowcock AM, et al. **Am J Hum Genet** 1987 Jul;41(1):27-35

DNA length polymorphism located 5' to the human myelin basic protein gene. Boylan KB, et al. **Am J Hum Genet** 1987 May;40(5):387-400

Genetic studies on the Tharu population of Nepal: restriction endonuclease polymorphisms of mitochondrial DNA. Brega A, et al. **Am J Hum Genet** 1986 Oct;39(4):502-12

Molecular analysis of a polymorphic domain of alpha satellite from the human X chromosome. Durfy SJ, et al. **Am J Hum Genet** 1987 Sep;41(3):391-401

The coding sequence for the 32,000-dalton pulmonary surfactant-associated protein A is located on chromosome 10 and identifies two separate restriction-fragment-length polymorphisms. Fisher JH, et al. **Am J Hum Genet** 1987 Jun;40(6):503-11

DNA polymorphisms in and around the Apo-A1-CIII genes and genetic hyperlipidemias. Hayden MR, et al. **Am J Hum Genet** 1987 May;40(5):421-30

Efficient isolation of X chromosome-specific single-copy probes from a cosmid library of a human X/hamster hybrid-cell line: mapping of new probes close to the locus for X-linked mental retardation. Hofker MH, et al. **Am J Hum Genet** 1987 Apr;40(4):312-28

The X chromosome shows less genetic variation at restriction sites than the autosomes. Hofker MH, et al. **Am J Hum Genet** 1986 Oct;39(4):438-51

Genetic studies of human apolipoproteins. I. Polymorphism of apolipoprotein A-IV. Kamboh MI, et al. **Am J Hum Genet** 1987 Aug;41(2):119-27

Genetic studies of low abundance human plasma proteins. III. Polymorphism of the C1R subcomponent of the first complement component. Kamboh MI, et al. **Am J Hum Genet** 1986 Dec;39(6):826-31

The human myelin-basic-protein gene: chromosomal localization and RFLP analysis. Kamholz J, et al. **Am J Hum Genet** 1987 Apr;40(4):365-73

RFLP analysis of HLA-DR and -DQ genes and their linkage relationships in the Pacific. Kohonen-Corish MR, et al. **Am J Hum Genet** 1986 Dec;39(6):751-62

Multipoint linkage analysis of loci in the proximal long arm of the human X chromosome: application to mapping the choroideremia locus. Lesko JG, et al. **Am J Hum Genet** 1987 Apr;40(4):303-11

RFLP locus DXS42 is proximal to the locus for hypoxanthine phosphoribosyltransferase [letter] Lesko JG, et al.

Am J Hum Genet 1986 Nov;39(5):669–70

Population genetics of coagulant factor IX: frequencies of two DNA polymorphisms in five ethnic groups. Lubahn DB, et al. **Am J Hum Genet** 1987 Jun;40(6):527–36

Huntington disease-linked restriction fragment length polymorphism localized within band p16.1 of chromosome 4 by in situ hybridization. Magenis RE, et al. **Am J Hum Genet** 1986 Sep;39(3):383–91

Linkage of cystic fibrosis locus and polymorphic DNA markers in 14 families. Naylor SL, et al. **Am J Hum Genet** 1986 Dec;39(6):707–12

The polymorphic locus for glycogen storage disease VI (liver glycogen phosphorylase) maps to chromosome 14. Newgard CB, et al. **Am J Hum Genet** 1987 Apr; 40(4):351–64

Glucose dehydrogenase polymorphism among ethnic groups of Singapore—with report of two additional alleles (GDH4 and GDH5). Saha N, et al. **Am J Hum Genet** 1987 Feb; 40(2):126–30

Haplotypes identified by DNA restriction-fragment-length polymorphisms in the A-1 C-III A-IV gene region and hypertriglyceridemia. Stocks J, et al. **Am J Hum Genet** 1987 Aug;41(2):106–18

Family study on the polymorphisms of the sixth and seventh components (C6 and C7) of human complement: linkage and haplotype analyses. Tokunaga K, et al. **Am J Hum Genet** 1986 Sep;39(3):414–9

Homogeneity of cystic fibrosis in Italy. Vitale E, et al. **Am J Hum Genet** 1986 Dec;39(6):832–6

A cell hybrid and recombinant DNA library that facilitate identification of polymorphic loci in the vicinity of the Huntington disease gene. Wasmuth JJ, et al. **Am J Hum Genet** 1986 Sep;39(3):397–403

Isolation and characterization of DNA probes from a flow-sorted human chromosome 8 library that detect restriction fragment length polymorphism (RFLP). Wood S, et al. **Am J Hum Genet** 1986 Dec;39(6):744–50

A new DNA probe proximal to and closely linked to fragile X [letter] Carpenter NJ, et al. **Am J Med Genet** 1987 Jul; 27(3):731–2

Chromosomal polymorphisms of 1, 9, 16, and Y in 4 major ethnic groups: a large prenatal study. Hsu LY, et al. **Am J Med Genet** 1987 Jan;26(1):95–101

Linkage and genetic counselling for the fragile X using DNA probes 52A, F9, DX13, and ST14. Mulley JC, et al. **Am J Med Genet** 1987 Jun;27(2):435–48

Some blood genetic markers of the Nuba and Hawazma tribes of western Sudan. Bayoumi RA, et al. **Am J Phys Anthropol** 1987 Jul;73(3):379–88

Polymorphism of the vitamin D binding protein (DBP) among primates: an evolutionary analysis. Constans J, et al. **Am J Phys Anthropol** 1987 Jul;73(3):365–77

Genetic variation within and among lion tamarins. Forman L, et al. **Am J Phys Anthropol** 1986 Sep;71(1):1–11

PGM1 subtype polymorphism in 14 endogamous Dravidian-speaking populations of South India. Reddy AP, et al. **Am J Phys Anthropol** 1986 Sep;71(1):89–94

The International Society for Animal Blood Group Research. 20th International Conference on Animal Blood Groups and Biochemical Polymorphisms. Helsinki, Finland, 28 July-1 August 1986. Abstracts. **Anim Genet** 1987;18 Suppl 1:1–145

Genomic hybridization of bovine class II major histocompatibility genes: 2. Polymorphism of DR genes and linkage disequilibrium in the DQ-DR region. Andersson L, et al. **Anim Genet** 1986;17(4):295–304

Localization of the Po2 locus in the S, Phi, Hal, H, Po2, Pgd linkage group in pigs. Cepica S, et al. **Anim Genet** 1986;17(3):283–6

DNA fingerprints of dogs and cats. Jeffreys AJ, et al. **Anim Genet** 1987;18(1):1–15

Electrophoretic polymorphism and molecular structure of equine C3. Kay PH, et al. **Anim Genet** 1986;17(3):209–15

Electrophoretic polymorphism of erythrocyte leucine aminopeptidase in the wild boar, Sus scrofa. Randi E, et al. **Anim Genet** 1986;17(4):359–62

Polymorphic resriction sites in the horse beta-globin gene cluster. Rando A, et al. **Anim Genet** 1986;17(3):245–53

Polymorphism and inheritance of swine small intestinal receptors mediating adhesion of three serological variants of Escherichia coli-producing K88 pilus antigen. Rapacz J, et al. **Anim Genet** 1986;17(4):305–21

Genetic polymorphisms in serum and erythrocytes of the Bashkirs. Frants RR, et al. **Ann Acad Sci Fenn [A]** 1986; 175:17–24

RFLPs in collagen loci and disease. Børresen AL. **Ann Clin Res** 1986;18(5–6):258–63

Molecular analysis of X-linked diseases. Davies KE, et al. **Ann Clin Res** 1986;18(5–6):231–3

Serum protein polymorphism in Bali (Indonesia). Constans J, et al. **Ann Hum Biol** 1986 Nov–Dec;13(6):537–45

Specific cognitive effects of mild iron deficiency and associations with blood polymorphisms in young adults. Foley D, et al. **Ann Hum Biol** 1986 Sep–Oct;13(5):417–25

Linkage of adrenoleukodystrophy to a polymorphic DNA probe. Aubourg PR, et al. **Ann Neurol** 1987 Apr; 21(4):349–52

Genetic polymorphism of GPT and GLO-I in Galicia (northwest Spain): a comparative study. Caeiro JL, et al. **Anthropol Anz** 1987 Mar;45(1):63–70

Population genetics of glyoxalase I (GLO) polymorphism in India. Chahal SM, et al. **Anthropol Anz** 1986 Sep; 44(3):249–56

Further data on the distribution of PGM1 and CAII polymorphisms among the Subsaharan populations (Central African Republic and Benin). Destro-Bisol G, et al. **Anthropol Anz** 1987 Jun;45(2):145–52

The esterase D polymorphism by ultrathin layer isoelectric-focusing: frequency of the EsD5 allele in the population of Rome. Ranalletta D, et al. **Anthropol Anz** 1987 Jun;45(2):153–7

A regulatory polymorphism for rat hepatic cytochrome P-450g. Rampersaud A, et al. **Arch Biochem Biophys** 1987 Jan;252(1):145–51

Polymorphism of heterochromatin areas on chromosomes 1, 9, 16 and Y in long-lived subjects and persons of different ages in two regions of the Soviet Union. Kuznetsova SM. **Arch Gerontol Geriatr** 1987 Jul;6(2):177–86

Chromosome polymorphisms: methodology and application in cytogenetic prenatal diagnosis. Luperini-Rossi S, et al. **Arch Invest Med (Mex)** 1986 Apr–Jun;17(2):187–202 **(Eng, Spa)**

Interethnic differences in the detoxification of organophosphates: the human serum paraoxonase polymorphism. Diepgen TL, et al. **Arch Toxicol [Suppl]** 1986;9:154–8

Polymorphism in drug metabolism—implications for drug toxicity. Smith RL. **Arch Toxicol [Suppl]** 1986;9:138–46

Two DNA restriction fragment length polymorphisms associated with Ag(t/z) and Ag(g/c) antigenic sites of human apolipoprotein B. Ma YH, et al. **Arterioscler Thromb** 1987 May–Jun;7(3):301–5

Association of a 9.2-kilobase Pvu II class I major histocompatibility complex restriction fragment length polymorphism with ankylosing spondylitis. McDaniel DO, et al. **Arthritis Rheum** 1987 Aug;30(8):894–900

Restriction fragment length polymorphism for the T cell receptor alpha and beta chain genes in rheumatoid arthritis [letter] Sakkas LI, et al. **Arthritis Rheum** 1987 Feb; 30(2):231–2

C-band polymorphism of chromosome No. 1 in patients with polycystic ovary disease. Nur J, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):75–8

DNA polymorphisms of apolipoprotein A-I/C-III and insulin genes in familial hypertriglyceridemia and coronary heart disease. Aalto-Setälä K, et al. **Atherosclerosis** 1987 Jul;66(1–2):145–52

Detection of human apolipoprotein B polymorphic species with one monoclonal antibody (BIP 45) against low density lipoprotein. Influence of this polymorphism on lipid levels and coronary artery stenosis. Duriez P, et al. **Atherosclerosis** 1987 Jul;66(1–2):153–61

Restriction-fragment-length polymorphisms in the A-I-C-III gene complex occurring in a family with hypoalphalipoproteinemia. Sidoli A, et al. **Atherosclerosis** 1986 Oct;62(1):81–7

Blood polymorphisms and cognitive abilities. Ashton GC. **Behav Genet** 1986 Sep;16(5):517–29

Prevalence of polymorphic 21-hydroxylase gene (CA21HB) mutations in salt-losing congenital adrenal hyperplasia. Jospe N, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):798–804

Evolution of human von Willebrand factor: cDNA sequence polymorphisms, repeated domains, and relationship to von Willebrand antigen II. Shelton-Inloes BB, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):657–65

The aryl hydrocarbon hydroxylase (Ah) locus and a novel restriction-fragment length polymorphism (RFLP) are located on mouse chromosome 12. Cobb RR, et al. **Biochem Genet** 1987 Jun;25(5–6):401–13

Serum protein polymorphism in common eiders detected by isoelectric focusing. Schmutz SM, et al. **Biochem Genet** 1987 Apr;25(3–4):191–5

Characteristics of beta A chromosome haplotypes in Japanese. Shimizu K. **Biochem Genet** 1987 Apr; 25(3–4):197–203

Mouse and human ornithine decarboxylase genes. Methylation polymorphism and amplification. Alhonen-Hongisto L, et al. **Biochem J** 1987 Feb 15; 242(1):205–10

A method to screen apolipoprotein polymorphisms in whole plasma: description of apolipoprotein A-IV variants in dyslipidemias and a reassessment of apolipoprotein A-I in Tangier disease. Bisgaier CL, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):242–9

Mephenytoin-type polymorphism of drug oxidation: purification and characterization of a human liver cytochrome P-450 isozyme catalyzing microsomal mephenytoin hydroxylation. Gut J, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):435–47

Structure determination of the polymorphism of acylgalactosylceramide in rat brain by gas chromatography/mass spectrometry and proton magnetic resonance. Theret N, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):194–202

Somatic generation of a genetic polymorphism: towards the solution of the I-J enigma. Tada T, et al. **Bioessays** 1986 Jun;4(6):283–5

Polymorphism of contractile proteins. Gros F, et al. **Biopolymers** 1987;26 Suppl:S177–92

DNA polymorphism: spectroscopic and electro-optic characterizations of Z-DNA and other types of left-handed helical structures induced by Ni2+. Hacques MF, et al. **Biopolymers** 1986 Dec;25(12):2281–93

Factor XII gene alteration in Hageman trait detected by TaqI restriction enzyme. Bernardi F, et al. **Blood** 1987 May; 69(5):1421–4

Structural polymorphism of glycophorins demonstrated by immunoblotting techniques. Lu YQ, et al. **Blood** 1987 Feb; 69(2):618–24

Mixed chimerism and restriction fragment length polymorphism [letter] Mittermüller J, et al. **Blood** 1987 Feb; 69(2):701–3

Identification of a restriction fragment length polymorphism involving the oncogene ETS-1 on chromosome 11q23. Savage PD, et al. **Blood** 1987 Jul;70(1):327–9

Ha-ras-1 restriction fragment length polymorphism and susceptibility to colon adenocarcinoma. Ceccherini-Nelli L, et al. **Br J Cancer** 1987 Jul;56(1):1–5

Genetic polymorphism of high molecular weight urinary glycoproteins: a comparative study in normal individuals and breast cancer patients. Crocker G, et al. **Br J Cancer** 1987 Jun;55(6):651–2

Harvey-ras oncogene restriction fragment alleles in familial melanoma kindreds. Sutherland C, et al. **Br J Cancer** 1986 Nov;54(5):787–90

Deoxyribonucleic acid (DNA) polymorphism of the alpha 1-antitrypsin gene in chronic lung disease. Kalsheker NA, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1511–4

Application of a closely linked polymorphism of restriction fragment length to counselling and prenatal testing in families with myotonic dystrophy. Meredith AL, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1353–6

The use of restriction fragment polymorphisms to identify the cell line MCF-7. Graham KA, et al. **Breast Cancer Res Treat** 1986;8(1):29–34

Investigation of the polymorphic region in the 5' flanking region of the insulin gene in patients with Alzheimer's disease. Fisman M, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):471–4

Heteromorphism of C-band positive chromosomal regions in CML patients. Adhvaryu SG, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):33–8

C-band polymorphisms in lymphocytes of patients with ovarian or breast adenocarcinoma. Kivi S, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):77–85

Heterochromatic variants and their association with neoplasias: III. Multiple myeloma. Ranni NS, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):101–5

Length polymorphisms of the human Y chromosome in patients with chronic myelogenous leukemia. Verma RS, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):295–7

Chromosomal polymorphism in the house mouse (Mus domesticus) of Greece and Yugoslavia. Tichy H, et al. **Chromosoma** 1987;95(1):31–6

Localization polymorphism of EBV DNA genomes in the chromosomes of Burkitt lymphoma cell lines. Trescol-Biémont MC, et al. **Chromosoma** 1987;95(2):144–7

Immunoglobulin heavy chain switch region restriction fragment length polymorphisms are associated with renal disease. Demaine AG, et al. **Clin Exp Immunol** 1986 Nov; 66(2):406–13

DNA polymorphism at the apolipoprotein B locus is associated with lipoprotein level. Berg K. **Clin Genet** 1986 Dec;30(6):515–20

Carrier detection of haemophilia A using DNA markers in families with an isolated affected male. Grover H, et al. **Clin Genet** 1987 Jul;32(1):10–9

Pepsinogen A polymorphism in gastric mucosa and urine, with special reference to patients with gastric cancer. Westerveld BD, et al. **Clin Genet** 1986 Sep;30(3):202–12

Metoprolol and debrisoquin metabolism in Nigerians: lack of evidence for polymorphic oxidation. Iyun AO, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):387–94

Human T-cell receptor genes: organization, diversity, and polymorphism. Concannon P, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:785–9

Highly polymorphic RFLP probes as diagnostic tools. Donis-Keller H, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:317–24

Mapping complex genetic traits in humans: new methods using a complete RFLP linkage map. Lander ES, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:49–62

Polymorphism and regulation of HLA class II genes of the major histocompatibility complex. Mach B, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:67–74

HLA class II RFLPs are haplotype-specific. Serjeantson SW, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:83–9

A new human RFLP identified by 7D2 places D13S10 proximal to esterase D. Bowcock AM, et al. **Cytogenet Cell Genet** 1987;44(4):236–7

Localization and linkage of three polymorphic DNA sequences on human chromosome 20. Goodfellow PJ, et al. **Cytogenet Cell Genet** 1987;44(2-3):112–7

The anonymous RFLP locus D11S16 is tightly linked to catalase on 11p. Kidd JR, et al. **Cytogenet Cell Genet** 1987; 45(1):63–4

Highly polymorphic DNA sequences in the distal region of the long arm of human chromosome 18. Müller U, et al. **Cytogenet Cell Genet** 1987;45(1):16–20

Detection of two TaqI polymorphisms in the VTR region of the human HRAS1 oncogene. Pierotti MA, et al. **Cytogenet Cell Genet** 1986;43(3–4):174–80

A polymorphic human myosin heavy chain locus is linked to an anonymous single copy locus (D17S1) at 17p13.

Schwartz CE, et al. **Cytogenet Cell Genet** 1986; 43(1-2):117-20

Polymorphic human glucose transporter gene (GLUT) is on chromosome 1p31.3——p35. Shows TB, et al. **Diabetes** 1987 Apr;36(4):546-9

Restriction-fragment-length polymorphisms of 5'-flanking region of insulin I gene in BB and other rat strains. Absence of association with IDDM. Winter WE, et al. **Diabetes** 1987 Feb;36(2):193-8

Genetic polymorphisms related to glucose and triglyceride intolerance. Galton DJ, et al. **Diabetes Metab Rev** 1987 Apr;3(2):525-49 (60 ref.)

Insulin secretion to glucose infusion in gestational diabetes subjects with differing DNA polymorphisms flanking the insulin gene. Samanta A, et al. **Diabetes Res** 1987 Mar; 4(3):109-12

DNA polymorphisms and the insulin gene: disease associations. Galton DJ, et al. **Diabetic Med** 1985 May; 2(3):159-62

Restriction fragment length polymorphism (RFLP) of the human insulin receptor gene in Japanese: its possible usefulness as a genetic marker. Takeda J, et al. **Diabetologia** 1986 Sep;29(9):667-9

Debrisoquine 4-hydroxylase: characterization of a new P450 gene subfamily, regulation, chromosomal mapping, and molecular analysis of the DA rat polymorphism. Gonzalez FJ, et al. **DNA** 1987 Apr;6(2):149-61

The mouse E beta 2 gene: a class II MHC beta gene with limited intraspecies polymorphism and an unusual pattern of transcription. Braunstein NS, et al. **EMBO J** 1986 Oct; 5(10):2469-76

Two highly polymorphic minisatellites from the pseudoautosomal region of the human sex chromosomes. Simmler MC, et al. **EMBO J** 1987 Apr;6(4):963-9

Structural basis of the polymorphism of human complement components C4A and C4B: gene size, reactivity and antigenicity. Yu CY, et al. **EMBO J** 1986 Nov; 5(11):2873-81

Structural analysis of the polymorphic 3' region of the human chorionic gonadotropin-alpha gene in normal placenta and choriocarcinoma cells. Otani T, et al. **Endocrinology** 1986 Nov;119(5):2124-8

Polymorphism of aldehyde dehydrogenase and alcohol sensitivity. Goedde HW, et al. **Enzyme** 1987;37(1-2):29-44 (76 ref.)

Investigations into the polymorphism of lipid A from lipopolysaccharides of Escherichia coli and Salmonella minnesota by Fourier-transform infrared spectroscopy. Naumann D, et al. **Eur J Biochem** 1987 Apr 1;164(1):159-69

Stereo- and regioselectivity of hepatic oxidation in man--effect of the debrisoquine/sparteine phenotype on bufuralol hydroxylation. Dayer P, et al. **Eur J Clin Pharmacol** 1986;31(3):313-8

Odorous urine following asparagus ingestion in man. Mitchell SC, et al. **Experientia** 1987 Apr 15;43(4):382-3

Family of Na+,K+-ATPase genes. Intra-individual tissue-specific restriction fragment length polymorphism. Sverdlov ED, et al. **FEBS Lett** 1987 Aug 31;221(1):129-33

Heterogeneity in the structural basis of the human complement C4A null allele (C4A Q0) as revealed by HindIII restriction fragment length polymorphism analysis. Uring-Lambert B, et al. **FEBS Lett** 1987 Jun 8;217(1):65-8

Dimorphic markers for the human apolipoprotein CII gene locus. Frossard PM, et al. **Gene** 1987;51(1):103-6

Prevalence and associations of apolipoprotein A-I linked DNA polymorphisms: results from a population study. Anderson RA, et al. **Genet Epidemiol** 1986;3(6):385-97

Linkage analysis between Huntington disease and the G8 marker locus. Badner JA, et al. **Genet Epidemiol** 1986;Suppl 1:211-6

Estimation of linkage disequilibrium from conditional haplotype data: application to beta-globin gene cluster in American blacks. Chakraborty R. **Genet Epidemiol** 1986; 3(5):323-33

Testing the association between polymorphic markers and quantitative traits in pedigrees. George VT, et al. **Genet Epidemiol** 1987;4(3):193-201

Analysis of Huntington disease linkage to G8. Haines JL, et al. **Genet Epidemiol** 1986;Suppl 1:223-8

Effect of age-at-onset specifications on Huntington disease--G8 linkage analysis. Harris EL, et al. **Genet Epidemiol** 1986;Suppl 1:229-33

Linkage analysis of G8 and Huntington's disease. Marazita ML, et al. **Genet Epidemiol** 1986;Suppl 1:247-50

Report on genetic linkage analysis between Huntington's disease and the G8 DNA polymorphism. Sarfarazi M. **Genet Epidemiol** 1986;Suppl 1:259-64

Disequilibrium on human chromosome 11p. Weir BS, et al. **Genet Epidemiol** 1986;Suppl 1:177-83

Social selection in human populations: protected polymorphism of deleterious alleles with incomplete penetrance. Yokoyama S. **Genet Epidemiol** 1987;4(3):223-31

Natural selection and Y-linked polymorphism. Clark AG. **Genetics** 1987 Mar;115(3):569-77

Temporal and spatial heterogeneity of mtDNA polymorphisms in natural populations of Drosophila mercatorum. DeSalle R, et al. **Genetics** 1987 Jun; 116(2):215-23

Polymorphism and gene conversion in mouse alpha-globin haplotypes. Erhart MA, et al. **Genetics** 1987 Mar; 115(3):511-9

Excess polymorphism at the Adh locus in Drosophila melanogaster. Kreitman ME, et al. **Genetics** 1986 Sep; 114(1):93-110

What can be learnt about selection from gene frequency distribution? Mani GS, et al. **Genetics** 1986 Nov; 114(3):971-82

Polymorphism and linkage of the alpha A-crystallin gene in t-haplotypes of the mouse. Skow LC, et al. **Genetics** 1987 May;116(1):107-11

Population study of electrophoretic polymorphisms of red cell enzymes and plasma proteins in Caucasian Canadians. Philipps S, et al. **Genome** 1987 Jun;29(3):447-52

Isolation and characterization of DNA probes from the short arm of the human X chromosome that detect restriction fragment length polymorphisms. Starr T, et al. **Genome** 1987 Feb;29(1):201-5

Genetically determined polymorphisms in drug oxidation. Jacqz E, et al. **Hepatology** 1986 Sep-Oct;6(5):1020-32

Adenosine deaminase polymorphism in Finnish Landrace pigs. Schulman A, et al. **Hereditas** 1986;104(2):199-201

A model for quantifying genetic recombination in chromosome polymorphisms due to supernumerary heterochromatic segments. de la Torre J, et al. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):345-9

Inheritance of duplicated fumarase and phosphoglucomutase loci in lake trout (Salvelinus namaycush). Marsden JE, et al. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):365-72

Large scale patterns of genetic differentiation at enzyme loci in the land snails Cepaea nemoralis and Cepaea hortensis. Ochman H, et al. **Heredity (Edinburgh)** 1987 Feb;58 (Pt 1):127-38

Mitochondrial DNA insertion polymorphism and germ line heteroplasmy in the Triturus cristatus complex. Wallis GP. **Heredity (Edinburgh)** 1987 Apr;58 (Pt 2):229-38

MNSs genetic polymorphism and intrauterine selection through habitual abortion. Bottini E, et al. **Hum Biol** 1987 Feb;59(1):103-20

Simulation of the founder effect and its role in the determination of the polymorphic frequencies of deleterious genes in human populations. Livingstone FB. **Hum Biol** 1987 Feb;59(1):59-75

A new HindIII restriction fragment length polymorphism in the hemophilia A locus. Ahrens P, et al. **Hum Genet** 1987 Jun;76(2):127-8

DNA-polymorphism of type I collagen gene detected with Bgl II in the genetically isolated Finnish population. Ahti H, et al. **Hum Genet** 1987 Jan;75(1):79-80

Three new G6PD variants, G6PD Adana, G6PD Samandağ, and G6PD Balcali in Cukurova, Turkey. Aksoy K, et al. **Hum Genet** 1987 Jun;76(2):199-201

DNA finger printing by oligonucleotide probes specific for simple repeats. Ali S, et al. **Hum Genet** 1986 Nov; 74(3):239-43

Evidence that S-formylglutathione hydrolase and esterase D polymorphisms are identical. Apeshiotis F, et al. **Hum Genet** 1986 Oct;74(2):176-7

Polymorphism of 6-PGD in South Korea: a new genetic variant 6-PGD Korea. Benkmann HG, et al. **Hum Genet** 1986 Oct;74(2):204-5

RFLP analysis in families with sporadic hemophilia A. Estimate of the mutation ratio in male and female gametes. Bernardi F, et al. **Hum Genet** 1987 Jul;76(3):253-6

Familial hypercholesterolemia in South African Afrikaners. PvuII and StuI DNA polymorphisms in the LDL-receptor gene consistent with a predominating founder gene effect. Brink PA, et al. **Hum Genet** 1987 Sep;77(1):32-5

A highly polymorphic locus on chromosome 16q revealed by a probe from a chromosome-specific cosmid library. Bufton L, et al. **Hum Genet** 1986 Dec;74(4):425-31

ApoA-I related DNA polymorphism in humans with coronary heart disease. Buraczynska M, et al. **Hum Genet** 1986 Oct;74(2):165-7

A hypervariable region at the D19S11 locus. Buroker NE, et al. **Hum Genet** 1987 May;76(1):90-5

Polymorphic DNA haplotypes at the human phenylalanine hydroxylase locus and their relationship with phenylketonuria. Chakraborty R, et al. **Hum Genet** 1987 May;76(1):40-6

Adenosine deaminase, adenylate kinase and acid phosphatase polymorphism in a French-Canadian population. Couture L, et al. **Hum Genet** 1987 Feb;75(2):188

Maternal origin of a de novo balanced t(21q21q) identified by ets-2 polymorphism. Créau-Goldberg N, et al. **Hum Genet** 1987 Aug;76(4):396-8

DNA polymorphism related to the idiopathic hemochromatosis gene: evidence in a recombinant family. David V, et al. **Hum Genet** 1986 Oct;74(2):113-20

De novo mutation in hemophilia A established by DNA haplotype analysis and precluding prenatal diagnosis. Delpech M, et al. **Hum Genet** 1986 Nov;74(3):316-7

Identity of the polymorphisms for esterase D and S-formylglutathione hydrolase in red blood cells. Eiberg H, et al. **Hum Genet** 1986 Oct;74(2):174-5

Chromosome assignment and restriction fragment length polymorphism analysis of the anonymous DNA probe B79a at 7q22 (HMG8 assignment D7S13). Estivill X, et al. **Hum Genet** 1986 Nov;74(3):320-2

A DNA polymorphism of the apoprotein AII gene in hypertriglyceridaemia. Ferns GA, et al. **Hum Genet** 1986 Nov;74(3):302-6

MspI polymorphic site within the factor IX gene. Localization of the site and an improved method for detection. Freedenberg DL, et al. **Hum Genet** 1987 Jul; 76(3):262-4

Genetic polymorphism of human plasma alpha 1B-glycoprotein: phenotyping by immunoblotting or by a simple method of 2-D electrophoresis. Gahne B, et al. **Hum Genet** 1987 Jun;76(2):111-5

Localization of a human heat-shock HSP 70 gene sequence to chromosome 6 and detection of two other loci by somatic-cell hybrid and restriction fragment length polymorphism analysis. Goate AM, et al. **Hum Genet** 1987 Feb;75(2):123-8

Beta-globin gene polymorphism in Saudis--triple Hpa I fragments. el-Hazmi MA, et al. **Hum Genet** 1986 Nov; 74(3):313-5

Rare, polymorphic, and common fragile sites: a classification. Hecht F. **Hum Genet** 1986 Oct;74(2):207-8

Association of a DNA polymorphism in the apolipoprotein C-III gene with diverse hyperlipidaemic phenotypes. Henderson HE, et al. **Hum Genet** 1987 Jan;75(1):62-5

The plasminogen polymorphism in South African Negro populations: genetics and anthropogenetics. Hitzeroth HW, et al. **Hum Genet** 1986 Dec;74(4):341-5

Isolation of a random cosmid clone, cX5, which defines a new polymorphic locus DXS148 near the locus for Duchenne muscular dystrophy. Hofker MH, et al. **Hum Genet** 1986 Nov;74(3):275-9

Development of additional RFLP probes near the locus for Duchenne muscular dystrophy by cosmid cloning of the DXS84 (754) locus. Hofker MH, et al. **Hum Genet** 1986 Nov;74(3):270-4

Detection of submicroscopic deletions and a DNA polymorphism at the retinoblastoma locus. Horsthemke B, et al. **Hum Genet** 1987 Jul;76(3):257-61

Cytogenetic studies using Q-band polymorphisms in patients with AML receiving marrow from like-sex donors. Khokhar MT, et al. **Hum Genet** 1987 Jun;76(2):176-80

Newly characterized genetic polymorphism of uropepsinogen group A (PGA) using both isoelectric focusing and immunoblotting. Kishi K, et al. **Hum Genet** 1987 Mar;75(3):209-12

A common restriction fragment length polymorphism of the human apolipoprotein E gene and its relationship to type III hyperlipidaemia. Klasen EC, et al. **Hum Genet** 1987 Mar;75(3):244-7

Close linkage between X-linked ectodermal dysplasia and a cloned DNA sequence detecting a two allele restriction fragment length polymorphism in the region Xp11-q12. Kølvraa S, et al. **Hum Genet** 1986 Nov;74(3):284-7

X-linked immunodeficiency with hyperimmunoglobulinemia M appears to be linked to the DXS42 restriction fragment length polymorphism locus. Mensink EJ, et al. **Hum Genet** 1987 May;76(1):96-9

Associations between restriction fragment length polymorphisms detected with a probe for human 21-hydroxylase (21-OH) and two clinical forms of 21-OH deficiency. Mornet E, et al. **Hum Genet** 1986 Dec; 74(4):402-8

A DNA marker closely linked to the factor IX (haemophilia B) gene. Mulligan L, et al. **Hum Genet** 1987 Apr; 75(4):381-3

Rapid RFLP screening procedure identifies new polymorphisms at albumin and alcohol dehydrogenase loci. Murray JC, et al. **Hum Genet** 1987 Jul;76(3):274-7

Heterogeneity in the map distance between X-linked agammaglobulinemia and a map of nine RFLP loci. Ott J, et al. **Hum Genet** 1986 Nov;74(3):280-3

A straightforward approach to isolate DNA sequences with potential linkage to the retinoblastoma locus. Scheffer H, et al. **Hum Genet** 1986 Nov;74(3):249-55

Regional localisations and linkage relationships of seven RFLPs and myotonic dystrophy on chromosome 19. Shaw DJ, et al. **Hum Genet** 1986 Nov;74(3):262-6

A new variant of chromosome 16. Thompson PW, et al. **Hum Genet** 1987 May;76(1):100-1

C-band polymorphisms of chromosome 9: quantification by Ce-bands. Wahedi K, et al. **Hum Genet** 1987 Sep;77(1):1-5

A Taq I gamma-globin DNA polymorphism: an African-specific marker. Wainscoat JS, et al. **Hum Genet** 1986 Sep;74(1):90-2

Linkage analysis with RFLPs in families with androgen resistance syndromes: evidence for close linkage between the androgen receptor locus and the DXS1 segment. Wieacker P, et al. **Hum Genet** 1987 Jul;76(3):248-52

Application of cloned satellite DNA sequences to molecular-cytogenetic analysis of constitutive heterochromatin heteromorphisms in man. Yurov YB, et al. **Hum Genet** 1987 Jun;76(2):157-64

The use of multiple restriction fragment length polymorphisms in prenatal risk estimation. II. Conditional risk distributions. Clark AG. **Hum Hered** 1987;37(1):41-53

Linkage analyses of multiple endocrine neoplasia, type 2A (MEN-2A) with 20 DNA polymorphisms: 5% of the genome excluded. Kidd KK, et al. **Hum Hered** 1986; 36(4):243-9

Esterase D polymorphism in some endogamous populations of Andhra Pradesh. Sampath Narasimha Char KS, et al. **Hum Hered** 1986;36(4):256-7

Polymorphism of the seventh complement component, C7, in Chinese. York LJ, et al. **Hum Hered** 1986;36(4):261-2

Polymorphisms within the HLA-DRw6 haplotype. III. DQ alpha and DQ beta polymorphism associated with HLA-D. Bosch ML, et al. **Hum Immunol** 1987 Jun;19(2):91-103

DQ beta sequences in HLA-DR4 haplotypes. Hilden JM,

et al. **Hum Immunol** 1987 Apr;18(4):261–4
Origin of major histocompatibility complex polymorphism: the trans-species hypothesis. Klein J. **Hum Immunol** 1987 Jul;19(3):155–62 (33 ref.)
Molecular complexity of HLA-DQw3: the TA10 determinant is located on a subset of DQw3 beta chains. Radka SF, et al. **Hum Immunol** 1987 Apr;18(4):287–300
HLA class II DNA analysis by RFLP reveals novel class II polymorphism. Tilanus MG, et al. **Hum Immunol** 1987 Apr;18(4):265–76
An approach to monitoring mutation rates using restriction fragment lengths. Skolnick MH. **IARC Sci Publ** 1986; (78):253–66
Restriction fragment length polymorphism of the human T cell receptor alpha gene. I. Two polymorphic restriction sites localized to different regions of the gene. Ball EJ, et al. **Immunogenetics** 1987;26(1–2):48–55
Restriction length polymorphism in the variable region of the Tcr locus linked to histocompatibility antigen H-8 on murine chromosome 14. Berman JW, et al. **Immunogenetics** 1986;24(5):328–30
The purification and properties of some less common allotypes of the fourth component of human complement. Dodds AW, et al. **Immunogenetics** 1986;24(5):279–85
DNA polymorphism of MHC III genes in inbred and wild mouse strains. Falus A, et al. **Immunogenetics** 1987; 25(5):290–8
Low H-2 polymorphism in some Israeli wild mouse populations. Neufeld E, et al. **Immunogenetics** 1986; 24(6):374–80
Polymorphic and autoreactive H-2-specific monoclonal antibody isolated after injections of syngeneic Sendai virus-coated lymphocytes. Opolski A, et al. **Immunogenetics** 1986;24(6):402–8
DNA polymorphisms associated with HLA-B-like genes and evidence for a duplication of B40 genes detected with an HLA-B-specific DNA probe. Mariotti M, et al. **Immunology** 1987 Mar;60(3):475–7
Polymorphism for RhT3, a CD3-like cell surface antigen, expressed on rhesus monkey T lymphocytes. Nooij FJ, et al. **Immunology** 1986 Dec;59(4):611–20
Polymorphism of constitutive heterochromatin in cancer of cervix uteri. Ghosh PK, et al. **Indian J Med Res** 1986 Dec; 84:601–6
DNA polymorphism and clinical genetics. Chakraborty R. **Indian J Pediatr** 1986 Nov-Dec;53(6):781–90
Amitriptyline pharmacokinetics and clinical response: II. Metabolic polymorphism assessed by hydroxylation of debrisoquine and mephenytoin. Baumann P, et al. **Int Clin Psychopharmacol** 1986 Apr;1(2):102–12
Polymorphic DNA markers genetically linked to disease-causing genes: a review. Humphries P. **Ir J Med Sci** 1986 Dec;155(12):425–30 (21 ref.)
Strain and species identification by restriction fragment length polymorphisms in the ribosomal DNA repeat of Candida species. Magee BB, et al. **J Bacteriol** 1987 Apr; 169(4):1639–43
A unique AT-rich hypervariable minisatellite 3' to the ApoB gene defines a high information restriction fragment length polymorphism. Huang LS, et al. **J Biol Chem** 1987 Jul 5; 262(19):8952–5
Detection of a new Msp I restriction fragment length polymorphism in the apolipoprotein A-I gene. Funke H, et al. **J Clin Chem Clin Biochem** 1987 Mar;25(3):131–4
HLA class II alpha chain gene polymorphisms in patients with insulin-dependent diabetes mellitus, dermatitis herpetiformis, and celiac disease. Hitman GA, et al. **J Clin Invest** 1987 Feb;79(2):609–15
Molecular cloning of a polymorphic DNA endonuclease fragment associates insulin-dependent diabetes mellitus with HLA-DQ. Michelsen B, et al. **J Clin Invest** 1987 Apr; 79(4):1144–52
Genetic polymorphism of bovine chymosin [published erratum appears in J Dairy Res 1987 May;54(2):321] Donnelly WJ, et al. **J Dairy Res** 1986 Nov;53(4):657–64
Variation in milk protein concentrations associated with genetic polymorphism and environmental factors. NG-Kwai-Hang KF, et al. **J Dairy Sci** 1987 Mar; 70(3):563–70
Molecular localization and polymorphism of HLA class II restriction determinants defined by Mycobacterium leprae-reactive helper T cell clones from leprosy patients. Ottenhoff TH, et al. **J Exp Med** 1986 Dec 1;164(6):1923–39
Decay-accelerating factor. Genetic polymorphism and linkage to the RCA (regulator of complement activation) gene cluster in humans. Rey-Campos J, et al. **J Exp Med** 1987 Jul 1;166(1):246–52
Analysis of multiple restriction fragment length polymorphisms of the gene for the human complement receptor type I. Duplication of genomic sequences occurs in association with a high molecular mass receptor allotype. Wong WW, et al. **J Exp Med** 1986 Nov 1;164(5):1531–46
Female heterogamety in the swordtail, Xiphophorus alvarezi Rosen (Pisces, Poeciliidae), with comments on a natural polymorphism affecting sword coloration. Kallman KD, et al. **J Exp Zool** 1987 Jul;243(1):93–102
Protamine polymorphism in Xenopus laevis laevis. Risley MS, et al. **J Exp Zool** 1987 Jun;242(3):373–7
Comparative esterase electrophoretic polymorphism of Escherichia coli isolates obtained from animal and human sources. Goullet P, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):1843–51
Comparison of restriction site polymorphisms among clinical isolates and laboratory strains of human cytomegalovirus. Chandler SH, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2179–92
Size polymorphism and heteroplasmy in the mitochondrial DNA of lower vertebrates. Bermingham E, et al. **J Hered** 1986 Jul-Aug;77(4):249–52
Y-chromosome length heteromorphisms in Delhi infants. Potluri VR, et al. **J Hered** 1987 Jan-Feb;78(1):55–7
New C-band polymorphism in the White Park cattle of Great Britain. Royle NJ. **J Hered** 1986 Sep-Oct;77(5):366–7
Relationship between DQ alpha and DQ beta RFLP and cell surface polymorphisms of class II HLA antigens. Cascino I, et al. **J Immunogenet** 1986 Oct-Dec; 13(5-6):387–400
Molecular mapping of class II polymorphisms in the human major histocompatibility complex. I. DR beta. Bell JI, et al. **J Immunol** 1987 Jul 15;139(2):562–73
Molecular mapping class II polymorphisms in the human major histocompatibility complex. II. DQ beta. MacMurray AJ, et al. **J Immunol** 1987 Jul 15;139(2):574–86
Mitochondrial DNA polymorphism in Candida albicans. Olivo PD, et al. **J Infect Dis** 1987 Jul;156(1):214–5
Restriction fragment length polymorphisms in the 5' end region of the human argininosuccinate synthetase gene. Jinno Y, et al. **J Inherited Metab Dis** 1986;9(3):317–20
DNA probe analysis for carrier detection and prenatal diagnosis of Duchenne muscular dystrophy: a standard diagnostic procedure. Bakker E, et al. **J Med Genet** 1986 Dec;23(6):573–80
Carrier detection and prenatal diagnosis in X linked muscular dystrophy using restriction fragment length polymorphisms [published erratum appears in J Med Genet 1987 Mar;24(3):171] Lindlöf M, et al. **J Med Genet** 1986 Dec; 23(6):560–72
Prenatal diagnosis of Duchenne muscular dystrophy by DNA analysis. Old JM, et al. **J Med Genet** 1986 Dec;23(6):556–9
Linkage analysis of polymorphisms within the DNA fragment XJ cloned from the breakpoint of an X;21 translocation associated with X linked muscular dystrophy. Thompson MW, et al. **J Med Genet** 1986 Dec;23(6):548–55
Mutations linked to the pro alpha 2(I) collagen gene are responsible for several cases of osteogenesis imperfecta type I. Wallis G, et al. **J Med Genet** 1986 Oct;23(5):411–6
A group of repetitive human DNA families that is characterized by extrachromosomal oligomers and restriction-fragment length polymorphism. Kiyama R, et al. **J Mol Biol** 1987 Feb 20;193(4):591–7
Nucleotide sequence of the beta-globin genes in gorilla and macaque: the origin of nucleotide polymorphisms in human. Savatier P, et al. **J Mol Evol** 1987;24(4):309–18
Correlation between polymorphic DNA haplotypes at phenylalanine hydroxylase locus and clinical phenotypes of phenylketonuria. Güttler F, et al. **J Pediatr** 1987 Jan; 110(1):68–71
Dispersal polymorphisms in subdivided populations. Frank SA. **J Theor Biol** 1986 Oct 7;122(3):303–9
Mitochondrial DNA polymorphism in Japanese living in Hokkaido. Harihara S, et al. **Jinrui Idengaku Zasshi** 1986 Jun;31(2):73–83
Genetic polymorphism of properdin factor B (BF) in a Chinese population: existence of two rare variants. Luo ZJ, et al. **Jinrui Idengaku Zasshi** 1987 Mar;32(1):33–8
RFLPs of factor IX gene in Japanese haemophilia B families and gene deletion in two high-responder-inhibitor patients. Mikami S, et al. **Jinrui Idengaku Zasshi** 1987 Mar; 32(1):21–31
The zygosity determination of Japanese twins using a minisatellite core probe. Motomura K, et al. **Jinrui Idengaku Zasshi** 1987 Mar;32(1):9–14
Isolation of DNA clones revealing restriction fragment length polymorphisms in the human genome. Nishisho I, et al. **Jinrui Idengaku Zasshi** 1986 Sep;31(3):249–58
Assignment of a polymorphic locus of OS-4(D18S5) DNA segment to human chromosome region 18q21.3——qter. Nishisho I, et al. **Jinrui Idengaku Zasshi** 1987 Mar;32(1):1–7
Apolipoprotein AI-CIII gene polymorphisms in Japanese myocardial infarction survivors. Satoh J, et al. **Jinrui Idengaku Zasshi** 1987 Mar;32(1):15–20
Handy formula for calculating the probability of parentage exclusion [letter] Yasuda N. **Jinrui Idengaku Zasshi** 1986 Jun;31(2):113–4
Modern genetics and neuromuscular disorders [letter] **Lancet** 1987 Mar 14;1(8533):626–7
Family with neuromuscular disorder where mode of inheritance was resolved by RFLP analysis [letter] Blank CE, et al. **Lancet** 1987 Jan 24;1(8526):228
RFLP for linkage analysis of fragile X syndrome [letter] Brown WT, et al. **Lancet** 1987 Jan 31;1(8527):280
Prenatal diagnosis of alpha 1-antitrypsin deficiency by restriction fragment length polymorphisms, and comparison with oligonucleotide probe analysis. Hejtmancik JF, et al. **Lancet** 1986 Oct 4;2(8510):767–70
Role of genetic variation at the fibrinogen locus in determination of plasma fibrinogen concentrations. Humphries SE, et al. **Lancet** 1987 Jun 27;1(8548):1452–5
Polymorphic DNA marker on X chromosome and manic depression. Mendlewicz J, et al. **Lancet** 1987 May 30; 1(8544):1230–2
Apolipoprotein CIII polymorphism and coronary heart disease [letter] Price WH, et al. **Lancet** 1986 Nov 1; 2(8514):1041
Polymorphism of age-related changes in stimulatory capacity of murine dendritic cells. Komatsubara S, et al. **Mech Ageing Dev** 1986 Dec;37(2):163–73
Apolipoprotein E polymorphism and plasma cholesterol response to probucol. Nestruck AC, et al. **Metabolism** 1987 Aug;36(8):743–7
Restriction fragment length polymorphisms. Tsipouras P. **Methods Enzymol** 1987;145:205–13
An interchromosomal gene conversion of the Drosophila dunce locus identified with restriction site polymorphisms: a potential involvement of transposable elements in gene conversion. Pittler SJ, et al. **MGG** 1987 Jun; 208(1-2):315–24
Deletion polymorphism in a Drosophila melanogaster heat shock gene. Sirotkin K, et al. **MGG** 1986 Aug;204(2):266–72
Chromosome size polymorphisms of Leishmania donovani. Bishop RP, et al. **Mol Biochem Parasitol** 1987 Jul; 24(3):263–72
Polymorphism of proteins in malaria parasites following mefloquine treatment. Pinswasdi C, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):159–64
DNA polymorphisms for the nerve growth factor receptor gene exclude its role in familial dysautonomia. Breakefield XO, et al. **Mol Biol Med** 1986 Dec;3(6):483–94
An unusual adenine phosphoribosyltransferase pseudogene is syntenic with its functional gene and is flanked by highly polymorphic DNAs. Dush MK, et al. **Mol Cell Biol** 1986 Dec;6(12):4161–7
Polymorphism in an androgen-regulated mouse gene is the result of the insertion of a B1 repetitive element into the transcription unit. King D, et al. **Mol Cell Biol** 1986 Jan; 6(1):209–17
Apolipoprotein B-gene polymorphism and myocardial infarction [letter] **N Engl J Med** 1987 Jul 2;317(1):52–3
Apolipoprotein B-gene DNA polymorphisms associated with myocardial infarction. Hegele RA, et al. **N Engl J Med** 1986 Dec 11;315(24):1509–15
New application for DNA polymorphism [editorial] Kan YW. **N Engl J Med** 1987 Feb 19;316(8):478–80
Development of DNA probes to investigate genetic variation of alcohol metabolizing enzymes. Smith M, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;66:50–6
Polymorphic gene marker studies. Sparkes RS. **Natl Inst Drug Abuse Res Monogr Ser** 1986;66:5–10
Molecular cloning and polymorphism of the human immune deficiency virus type 2. Clavel F, et al. **Nature** 1986 Dec 18-31;324(6098):691–5
An amino-acid substitution involved in phenylketonuria is in linkage disequilibrium with DNA haplotype 2. DiLella AG, et al. **Nature** 1987 May 28-Jun 3;327(6120):333–6
Hominoid nasal region polymorphism and its phylogenetic significance. Eckhardt RB. **Nature** 1987 Jul 23-29; 328(6128):333–7
A candidate for the cystic fibrosis locus isolated by selection for methylation-free islands. Estivill X, et al. **Nature** 1987 Apr 30-May 6;326(6116):840–5
Cystic fibrosis. Classical and reverse genetics [news] Goodfellow PN. **Nature** 1987 Apr 30-May 6;326(6116):824
Phenylketonuria. Population genetics of a disease [news] Kidd KK. **Nature** 1987 May 28-Jun 3;327(6120):282–3
The human tumour-associated epithelial mucins are coded by an expressed hypervariable gene locus PUM. Swallow DM, et al. **Nature** 1987 Jul 2-8;328(6125):82–4
Polymorphism of human Ia antigens generated by reciprocal intergenic exchange between two DR beta loci. Wu S, et al. **Nature** 1986 Dec 18-31;324(6098):676–9
The combined use of positron emission tomography and DNA polymorphisms for preclinical detection of Huntington's disease. Hayden MR, et al. **Neurology** 1987 Sep;37(9):1441–7
Carrier diagnosis of Duchenne muscular dystrophy using restriction fragment length polymorphisms. Hejtmancik JF, et al. **Neurology** 1986 Dec;36(12):1553–62
Use of serum creatine kinase, pyruvate kinase, and genetic linkage for carrier detection in Duchenne and Becker dystrophy. Hyser CL, et al. **Neurology** 1987 Jan;37(1):4–10
Alcohol and aldehyde dehydrogenase in Japanese: polymorphism and immunological studies. Masuda R, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):370–6
Erythrocyte S-formylglutathione hydrolase polymorphism in Japanese and the relation to erythrocyte esterase D polymorphism. Tsuge A, et al. **Nippon Hoigaku Zasshi** 1987 Apr;41(2):93–6
An anonymous X-chromosomal clone identifying a frequent RFLP at Xp21-22 (HGM8 provisional no. DXS207). Ahrens P, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7819
A novel form of human polymorphism involving the hDHFR-psi 1 pseudogene identifies three RFLPs. Anagnou NP, et al. **Nucleic Acids Res** 1987 Jul 10; 15(13):5501
A PstI RFLP detected by probe cpX73 (DXS159) in Xq11-q12. Arveiler B, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5903
RFLPs for the human erythrocyte membrane glycophorin C gene. Arveiler B, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1880
A new RFLP for L1.4 (D5S4) an anonymous genomic clone localised to chromosome 5. Bailey CJ, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6762
RFLP for pHM20 (D2S12), an anonymous DNA sequence localised to 2p23-2pter. Bates GP, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):864

Two TaqI RFLPs in the human von Willebrand factor gene. Bernardi F, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1347

A subclone of the autosomal phosphoglycerate kinase pseudogene (HGM8 gene symbol PGK1P2), localized to 6p23–q12, detects moderately polymorphic RFLP. Blanché H, et al. **Nucleic Acids Res** 1987 May 11;15(9):3941

A human anonymous low copy number clone, 4c11 (D6S4), localized to 6p12–6p21, detects 2 RFLPs, one of which is moderately polymorphic. Blanché H, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5902

An RFLP associated with pcDLeu2–14, a human T-cell differentiation antigen CD8 (Leu2) cDNA mapped to 2p12. Bowcock AM, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7817

A high frequency RFLP identified by an anonymous single copy genomic clone at 13q14.1–13q14.2 [HGM8 assignment no. D13S22]. Bowcock AM, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):382

Isolation of a polymorphic DNA sequence (lambda EMBL3.121, D14S12) from chromosome 14. Brennan J, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9225

Isolation of a polymorphic DNA sequence (lambda EMBL3.287, D8S8) from chromosome 8. Brennan J, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9224

Isolation of a DNA sequence (lambda EMBL3.123, D4S64) from chromosome 4 showing a BglII polymorphism. Brennan J, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1342

Isolation of a polymorphic DNA sequence (lambda EMBL3.303, D2S14) from chromosome 2. Brennan J, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1341

An anonymous genomic clone that detects a frequent RFLP adjacent to the D4S10 (G8) marker and Huntington's disease. Carlock LR, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):377

PvuII RFLP inside the human estrogen receptor gene. Castagnoli A, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):866

Hgi AI restriction fragment length polymorphism at the human glutathione S-transferase 2 locus. Chen LZ, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6306

RFLPs associated with MDR2, a member of the human multidrug resistance gene family mapped to chromosome 7. Choi K, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6305

TaqI and XbaI RFLPs detected with a human apo IV (Apo4) cDNA probe. Coleman RT, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7818

A frequent HaeIII RFLP of the human fibronectin gene. Colombi M, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6761

Bgl II polymorphism for the alpha 1-antitrypsin-related gene on chromosome 14. Cox DW, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4701

Pvu II RFLP at the human chromosome 1 alpha-L-fucosidase gene locus (FUCA1). Darby JK, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9543

RFLPs for the human apolipoprotein B gene: HincII and PvuII. Darnfors C, et al. **Nucleic Acids Res** 1986 Sep 11; 14(17):7135

An anonymous single copy X-chromosome clone DXS94 from Xq11–q21 identifies a common RFLP. Davatelis G, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4694

Two Taq I RFLPs for human alpha-2 macroglobulin (alpha 2M) using a full length cDNA probe. David F, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):374

RFLP identified by the anonymous DNA segment OL VII A8 at 18q11 (HGM8 no. D18S7). Delattre O, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1343

A frequent Pvu II RFLP of the human gastrin releasing peptide gene. Detera-Wadleigh SD, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):375

Frequent RFLP recognised by an anonymous sequence localised to 11q13 – q14 [D11S.3.7.(E79)]. Dietzsch E, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2400

Isolation of an anonymous probe E28 (D2S16) that identifies a three allele polymorphism on chromosome 2. Dietzsch E, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5907

RFLP detected by the anonymous DNA segment E88 (D2S17) assigned to chromosome 2. Dietzsch E, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5908

A three-allele RFLP recognised by an anonymous sequence localized to 3p14–p21 [D3S11 (E41). Dietzsch E, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8698

Isolation of an anonymous single copy probe D4S66 (E24) from chromosome 4 associated with a three allele RFLP. Dietzsch E, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):861

A HindIII RFLP for the HPRT pseudogene on chromosome 3 (HPRTP1). Dobrovic A, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1346

Multiple RFLPs at the human cholesteryl ester transfer protein (CETP) locus. Drayna D, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4698

RFLP detected by an X-linked cDNA encoding erythroid-potentiating activity/tissue inhibitor of metalloproteinase (EPA/TIMP). Durfy SJ, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9226

Single copy X-chromosome clone p8 from Xq11–Xq13 identifies further low frequency RFLP [HGM8 no. DXS1]. Fadda S, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4695

Two RFLPs for the human dihydrofolate reductase gene (DHFR). Feder JN, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5906

SacI RFLP recognized by a human immunoglobulin kappa light chain constant region probe. Field LL, et al. **Nucleic Acids Res** 1987 May 11;15(9):3942

Hypervariable lengths of human DNA associated with a human satellite III sequence found in the 3.4kb Y-specific fragment. Fowler C, et al. **Nucleic Acids Res** 1987 May 11;15(9):3929

DraI RFLP in the human apolipoprotein AI–CIII–AIV gene complex. Frossard PM, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8699

Deletion polymorphism 5' to the human apolipoprotein AI (apo AI) gene. Frossard PM, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8694

Human atrial natriuretic peptides (ANP) gene locus: BglI RFLP. Frossard PM, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9223

Human apolipoprotein CI (ApoC1) gene locus: BglI dimorphic site. Frossard PM, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1344

BanI dimorphic site in the third intron of the human apolipoprotein AI gene (Apo A1). Frossard PM, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):381

Human apolipoprotein CI (apoC1) gene locus: DraI dimorphic site. Frossard PM, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1884

Pst I RFLP close to the LDL receptor gene. Funke H, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7820

Double Msp I RFLP in the human LDL receptor gene. Geisel J, et al. **Nucleic Acids Res** 1987 May 11;15(9):3943

Isolation of polymorphic DNA fragments from human chromosome 4. Gilliam TC, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1445–58

pG95 alpha 1–7dIII/RI, a single copy clone at Xp11.4 which recognises a TaqI polymorphism (DXS209). Goodfellow PJ, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8693

Correlation of the physical and genetic maps in the lin–12 region of Caenorhabditis elegans. Greenwald I, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2295–307

An Eco RI polymorphism of a human platelet factor 4 (PF4) gene. Guzzo C, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):380

p380–8A 1.8 SaSs, a single copy clone 5' of c-myc at 8q24 which recognizes an SstI polymorphism. Haluska FG, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):865

Presence of a TaqI polymorphism in the human glutamate dehydrogenase (GLUD) gene on chromosome 10. Hanauer A, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6308

A polymorphic DNA probe located to human chromosome 4p16 (D4S62). Hayden MR, et al. **Nucleic Acids Res** 1987 May 11;15(9):3938

A Taq I polymorphism for the human transforming growth factor alpha gene (TGFA). Hayward NK, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5503

Anonymous genomic fragment co-amplified with c-Ki-ras 2 detects frequent polymorphism (pK42). Heighway J, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8700

RFLP for the human lipoprotein lipase (LPL) gene: HindIII. Heinzmann C, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6763

AvaII polymorphism in the human LDL receptor gene. Hobbs HH, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):379

Three RFLPs are detected by an alpha spectrin genomic clone. Hoffman N, et al. **Nucleic Acids Res** 1987 Jun 11; 15(11):4696

Presence of an EcoRI RFLP of the c-mos locus in normal and tumor tissue of esophageal cancer patients. Hollstein M, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8695

pHW60, an anonymous single copy clone from the proximal portion of the long arm of chromosome 19 (HGM8 assignment no. D19S13). Hulsebos T, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7137

RFLPs associated with pMC1, an anonymous single copy clone from the short arm of chromosome 19 [HGM8 assignment no. D19S14]. Hulsebos T, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):378

A 5' flanking region of the metallothionein, MT2A, gene identifies two moderately frequent RFLPs. Hyland VJ, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1350

RsaI RFLP in the human von Willebrand factor gene. Iannuzzi MC, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5909

Sst I RFLP linked to the human ets-1 gene. Kerckaert JP, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5905

A PvuII RFLP for the human liver arginase (ARG1) gene. Kidd JR, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9544

SacI RFLP in the human von Willebrand factor gene. Konkle BA, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6766

AvaII RFLP at the human apolipoprotein CII (APO CII) gene locus. Korneluk RG, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6769

A RFLP associated with the low-density lipoprotein receptor gene (LDLR). Kotze MJ, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):376

A PstI polymorphism for the human porphobilinogen deaminase gene (PBG). Lee JS, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6307

Human LDL receptor gene: two ApaLI RFLPs. Leitersdorf E, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2782

An RFLP associated with the human T-cell antigen receptor alpha chain locus. Lewis WH, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6760

Bgl II RFLP recognized by a human IRBP cDNA localized to chromosome 10. Liou GI, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3196

A single copy subclone, p1–101, from cosmid 3–3B, defines three RFLPs on 10pter–q23 [HGM9 no. D10S4]. Litt M, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2783

A MspI polymorphism for the human porphobilinogen deaminase gene. Llewellyn DH, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1349

A new RFLP detected with the anonymous single copy genomic clone L1.7 (D5S1). Lobos EA, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6767

A polymorphic locus, D10S5, at 10q21.1. McDermid HE, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5498

EcoRI RFLP at the creatine kinase–brain type gene locus (CKBB, chromosome 14). Mariman EC, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5502

RFLP identified by the anonymous DNA segment OL VII E10 at 18q21.3 (HGM no. D18S8). Marlhens F, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1348

Presence of a Hind III polymorphism in the J alpha region of the human TcR-alpha locus. Mauchauffé M, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3190

A TaqI restriction fragment length polymorphism at the Hox-2.1 locus cosegregates with the Dlb-1 locus on mouse chromosome 11. Mock B, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2397

A restriction fragment length polymorphism at the murine c-myb locus. Mock B, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4700

A moderately frequent RFLP identified by both SacI and BanII with a probe from the HOX2 locus in man (17q11–17q22). Murphy PD, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6311

RFLP for the glucocorticoid receptor (GRL) located at 5q11–5q13. Murray JC, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6765

RFLPs for transforming growth factor alpha (TGFA) gene at 2p13. Murray JC, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7136

TaqI polymorphism at the 3' end of the human pronatriodilatin gene (hPND). Nemer M, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8697

XhoI polymorphism at the human pronatriodilatin (hPND) gene locus. Nemer M, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8696

A c-DNA probe for the oncogene c-MEL (pC7–1) recognises a polymorphism with NcoI. Nimmo ER, et al. **Nucleic Acids Res** 1987 May 11;15(9):3940

PstI RFLP in the human hexosaminidase (HEXB) gene on chromosome 5. O'Dowd BF, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3194

BglII polymorphic site downstream to the human apolipoprotein AIV (apoAIV) gene. Oettgen P, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7138

An RFLP close to the human collagen I gene COL1A1. Ogilvie DJ, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4699

A human single-copy DNA probe (DR 47) detects a Taq I RFLP on chromosome 9 (D9S5). Orzechowski HD, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6310

Identification of 28 DNA fragments that detect RFLPs in 13 distinct physical regions of the short arm of chromosome 5. Overhauser J, et al. **Nucleic Acids Res** 1987 Jun 11; 15(11):4617–27

A highly polymorphic locus in 5p15.2–5p15.3 (213–274EC) revealed by an anonymous single copy DNA fragment. Overhauser J, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):1345

Bgl II polymorphic site upstream to the human complement component C4A gene. Palsdottir A, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2395

Mapping of DNA markers close to the fragile site on the human X chromosome at Xq27.3. Patterson M, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2639–51

A polymorphic Xba I site within the human von Willebrand factor (vWF) gene identified by a vWF cDNA clone. Quadt R, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7139

RFLP for the human erb-A1 gene. Rider SH, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):863

RFLP detected with a 5'-bcr-gene-sequence (HGM8 provisional no. D22S11). Roschmann E, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1883

An EcoRI restriction fragment length polymorphism at the KRAS2 locus on mouse chromosome 6. Ryan J, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9222

A polymorphic SstI site within the human ets-1 gene in the 11q23 region. Sacchi N, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9545

A HindIII polymorphism detected by the cDNA encoding amyloid beta protein of Alzheimer's disease. Sasaki H, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6309

Isolation of a polymorphic DNA sequence pJSB11 (D19S16) from the human chromosome 19cen–q13.2 region linked to the myotonic dystrophy (DM) gene. Schepens J, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3192

A locus at 19cen–19q13.2 (D19S15) containing three RFLPs linked to myotonic dystrophy (DM) is recognized by probe pJSB6. Schepens J, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):3193

Linkage arrangement in the vitellogenin gene family of Xenopus laevis as revealed by gene segregation analysis. Schubiger JL, et al. **Nucleic Acids Res** 1986 Nov 25; 14(22):8723–34

New RFLPs at the DXS164 (pERT 87–8) locus in the black population. Schwartz C, et al. **Nucleic Acids Res** 1987 Jan

26;15(2):862
Human histone 3 F2 detects RFLPs in inbred mice, cosegregates with H4F2 and does not map to possible syntenic groups on mouse distal chromosomes 1 and distal chromosomes 3. Seldin MF, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5900
Mouse skeletal alpha actin has limited restriction fragment length polymorphism and is not a member of the human 1q–mouse distal chromosome 1 syntatic group. Seldin MF, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1881
An Xba I polymorphism 3' to the human erythropoietin (EPO) gene. Semenza GL, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6768
RFLP detected at the 8924 locus by a thyroglobulin cDNA probe. Simon P, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):373
Multiple RFLPs demonstrated for epidermal growth factor receptor (EGFR) on chromosome 7. Smith RF, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6764
Msp–1 polymorphism detected with a cDNA probe for the P–450 I family on chromosome 15. Spurr NK, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5901
Two RFLPs identified by an anonymous sequence (D7S19) (pTS119) from chromosome 7. Starr T, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2784
An anonymous DNA segment (II227) maps to the long arm of human chromosome 5 and identifies a BstXI polymorphism (D5S26). Stewart GD, et al. **Nucleic Acids Res** 1987 May 11;15(9):3939
RFLP for the human LDL receptor gene (LDLR): Bst EII. Steyn LT, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4702
A HindIII polymorphism in the 3' end of the human alpha 1(IV) collagen gene. Tikka L, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5497
Apa I polymorphism of a human immunoglobin VH3 subclass locus. Walter MA, et al. **Nucleic Acids Res** 1987 Jun 11; 15(11):4697
Human cDNA probe (cCW147) detects RFLP on chromosome 5 (D5S9). Wappenschmidt C, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2399
Human cDNA probe (OL11) detects RFLP on chromosome 12 (D12S10). Wappenschmidt C, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2398
Human cDNA probe detects RFLP on chromosome 12, OL 202 (HGM8 designated no. D12S9). Wappenschmidt C, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9221
A BamHI RFLP at the Pim–1 locus on mouse chromosome 17. Warren W, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):3195
A high–frequency RFLP at the human liver/bone/kidney–type alkaline phosphatase locus. Weiss MJ, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):860
An anonymous single copy genomic probe (D8S9) (CW1) detects RFLP on chromosome 8. Wohn KD, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2396
Length mutations in human mitochondrial DNA: direct sequencing of enzymatically amplified DNA. Wrischnik LA, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):529–42
MSP RFLP for X–linked proteolipid protein gene (PLP) identified with either rat or human PLP cDNA clone. Wu JS, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1882
A PvuII RFLP detected in the human prion protein (PrP) gene. Wu Y, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3191
Anonymous DNA sequence from chromosome 21 showing a three allele insertion/deletion RFLP (HGM 9 provisional no. D21S82). Xiao GH, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5499
PstI RFLP identified by an anonymous single copy genomic clone localized to chromosome 14 (HGM 9 provisional no. D14S14). Xiao GH, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5500
MspI polymorphism in the 3' flanking region of the human factor VIII gene. Youssoufian H, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6312
New methods for detection of HLA genes polymorphism useful for associated diseases studies. Le Gall I, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):801–7
Genetics and classification of major histocompatibility complex antigens of the chicken. Briles WE, et al. **Poult Sci** 1987 May;66(5):776–81
Maternal cell contamination in cultured chorionic villi: comparison of chromosome Q–polymorphisms derived from villi, fetal skin, and maternal lymphocytes. Williams J 3d, et al. **Prenat Diagn** 1987 Jun;7(5):315–22
Allelic variation in the DR subregion of the human major histocompatibility complex. Bell JI, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6234–8
Identification of HLA–DP polymorphism with DP alpha and DP beta probes and monoclonal antibodies: correlation with primed lymphocyte typing. Bodmer J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4596–600
Human complement C3b/C4b receptor (CR1) mRNA polymorphism that correlates with the CR1 allelic molecular weight polymorphism. Holers VM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2459–63
Restriction fragment length polymorphism of the HLA–DP subregion and correlations to HLA–DP phenotypes. Hyldig–Nielsen JJ, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1644–8
Structure, evolution, and polymorphisms of the human apolipoprotein A4 gene (APOA4). Karathanasis SK, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8457–61
Strategies for studying heterogeneous genetic traits in humans by using a linkage map of restriction fragment length polymorphisms. Lander ES, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7353–7
HLA–DR2 subtypes form an additional supertypic family of DR beta alleles. Lee BS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4591–5
Detection of human DNA polymorphisms with a simplified denaturing gradient gel electrophoresis technique. Noll WW, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3339–43
Linkage of the Wiskott–Aldrich syndrome with polymorphic DNA sequences from the human X chromosome. Peacocke M, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3430–3
Inherited polymorphism of the human T–cell antigen receptor detected by a monoclonal antibody. Posnett DN, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7888–92
Confidence interval for the number of selectively neutral amino acid polymorphisms. Sawyer SA, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6225–8
Use of nonisotopic M13 probes for genetic analysis: application to HLA class II loci. Sheldon EL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9085–9
Mapping the X–linked lymphoproliferative syndrome. Skare JC, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2015–8
5'–structural analysis of genes encoding polymorphic antigens of chemically induced tumors. Srivastava PK, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3807–11
Pst I restriction fragment length polymorphism of the human placental alkaline phosphatase gene in normal placentae and tumors. Tsavaler L, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4529–32
Nonrandom allele associations between unlinked protein loci: are the polymorphisms of the immunoglobulin constant regions adaptive? van der Loo W, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3075–9
Chloroplast DNA polymorphisms in lodgepole and jack pines and their hybrids. Wagner DB, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2097–100
Polymorphism of photopigments in the squirrel monkey: a sixth phenotype. Bowmaker JK, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):383–90
A pharmacogenetic approach to alcoholism. Evans DA. **Prog Clin Biol Res** 1987;241:319–22
Aldehyde dehydrogenase and glutathione–S–transferase polymorphism: association between phenotype frequencies and alcoholism. Harada S, et al. **Prog Clin Biol Res** 1987; 241:241–50
Applications of basic chromosome research in biotechnology and medicine. Rae PM. **Results Probl Cell Differ** 1987; 14:301–14 (40 ref.)
Functional domain of fibronectins, their polymorphism and genetic basis. Hakomori S. **Rinsho Ketsueki** 1987 Apr; 28(4):469–81
Clathrin light chains LCA and LCB are similar, polymorphic, and share repeated heptad motifs. Kirchhausen T, et al. **Science** 1987 Apr 17;236(4799):320–4
A sequence in M13 phage detects hypervariable minisatellites in human and animal DNA. Vassart G, et al. **Science** 1987 Feb 6;235(4789):683–4
Parasexual analysis of human pepsinogen molecular heterogeneity. Taggart RT, et al. **Somatic Cell Mol Genet** 1987 Mar;13(2):167–72
Genotype assignment of haemophilia A by use of intragenic and extragenic restriction fragment length polymorphisms. Bröcker–Vriends AH, et al. **Thromb Haemost** 1987 Apr 7;57(2):131–6
Characterization of DR blank alleles by restriction fragment length polymorphism (RFLP). Keller E, et al. **Tissue Antigens** 1987 Mar;29(3):154–9
Genetic investigations in atopic dermatitis. Schultz Larsen F, et al. **Tissue Antigens** 1987 Jan;29(1):1–6
An overview of the restriction fragment length polymorphism of the HLA–D region: its application to individual D–, DR– typing by computerized analyses. Tilanus MG, et al. **Tissue Antigens** 1986 Oct;28(4):218–27
An autoreactive T cell clone derived after allostimulation in vitro: evidence for recognition of a polymorphic self major histocompatibility complex class II gene product. Martin A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):875–7
Association of restriction fragment–length polymorphisms with major histocompatibility complex class II phenotypes in white and black individuals. Napier–Littrell M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):826–32
Use of DNA restriction fragment length polymorphisms to document marrow engraftment and mixed hematopoietic chimerism following bone marrow transplantation. Yam PY, et al. **Transplantation** 1987 Mar;43(3):399–407
DNA deletions and DNA polymorphisms of the low density lipoprotein (LDL) receptor gene—their use in diagnosis. Humphries SE, et al. **Verh Dtsch Ges Inn Med** 1986; 92:397–401
Polymorphism of the acetylcholine receptor in the horse. Kay PH, et al. **Vet Rec** 1987 Apr 11;120(15):363–5
MER2: a red cell polymorphism defined by monoclonal antibodies. Daniels GL, et al. **Vox Sang** 1987;52(1–2):107–10
Polymorphism of human cytochrome P–450. Guengerich FP, et al. **Xenobiotica** 1987 Mar;17(3):311–6
Distribution of adenylate kinase (AK) polymorphism in Indian populations. Chahal SM, et al. **Z Morphol Anthropol** 1986;76(3):339–55
Genetic study of red cell esterase D polymorphism by ultrathin layer isoelectric focusing. Distribution in the Veneto population (Italy). Cortivo P, et al. **Z Rechtsmed** 1987;98(1):39–42
DIA3 phenotyping in human semen and seminal stains by isoelectric focusing. Kido A, et al. **Z Rechtsmed** 1987; 98(3):207–12
Polymorphism of EsD by isoelectric focusing: phenotyping in human tissues, dental pulps, hair roots, and semen. Komatsu N. **Z Rechtsmed** 1986;97(3):147–55
Polymorphisms of major surface proteins of Borrelia burgdorferi. Barbour AG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):83–91
[Study on polymorphism of biochemical gene markers in a Chinese KM mice colony] Shi SD, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):407–9 (Eng. Abstr.) **(Chi)**
[A study on the feasibility of prenatal diagnosis of beta–thalassemia by DNA polymorphisms in the Chinese] Wu GY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):394–8 (Eng. Abstr.) **(Chi)**
[Initial experience with the diagnosis of hemophilia A using molecular genetics] Sedláček Z, et al. **Cas Lek Cesk** 1987 May 29;126(22):682–6 (Eng. Abstr.) **(Cze)**
[New trends in applying biology to medicine—DNA polymorphism] Brdička R. **Sb Lek** 1986 Sep;88(8–9):233–9 (Eng. Abstr.) **(Cze)**
[The HLA system in human pathology. Disease associations and regulation of the immune response] Noens L. **Arch Belg** 1986;44(7–8):280–2 **(Dut)**
[Stability and/or variability of the expression of genetic polymorphism of hydroxylation and acetylation in patients with various pathologies and under various treatments] Bechtel P, et al. **Ann Biol Clin (Paris)** 1986;44(4):361–7 (24 ref.) (Eng. Abstr.) **(Fre)**
[Strategies for detecting restriction polymorphisms of Y chromosome sequences] Ngo KY, et al. **Ann Genet (Paris)** 1986;29(2):88–92 (Eng. Abstr.) **(Fre)**
[Genetic polymorphism in humans and animals. Samedi, 12 April 1986. Proceedings] **Arch Belg** 1986;44(7–8):258–335 **(Fre)**
[Polymorphism of restriction fragments, their use and animal selection] Georges M. **Arch Belg** 1986;44(7–8):283–9 **(Fre)**
[DNA polymorphism in beta–thalassemia: a study of 15 families in Tunisia] Chibani J, et al. **Nouv Rev Fr Hematol** 1986;28(4):227–9 (Eng. Abstr.) **(Fre)**
[Chromosome polymorphism in allogeneic bone marrow grafts. Methods and results] Berthéas MF, et al. **Pathol Biol (Paris)** 1986 Sep;34(7):823–7 (Eng. Abstr.) **(Fre)**
[The Center for the Study of Human Polymorphism (editorial)] Dausset J. **Presse Med** 1986 Oct 18; 15(36):1801–2 **(Fre)**
[TaqI restriction polymorphism and the HLA–B27 allele in ankylosing spondylitis] Huetz F, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):175–8 (Eng. Abstr.) **(Fre)**
[Immunogenetics of type I (insulin dependent) diabetes mellitus] Boehm BO, et al. **Med Klin** 1987 Jun 5; 82(12–13):439–42 **(Ger)**
[Population genetic studies in Ethiopia: distribution of blood group polymorphisms in Amhara/Tigrai ethnic groups] Peters WH, et al. **Z Gesamte Inn Med** 1986 Jul 1; 41(13):366–72 (Eng. Abstr.) **(Ger)**
[Blood groups and disease] Prokop O. **Z Gesamte Inn Med** 1986 Sep 1;41(17):475–81 (Eng. Abstr.) **(Ger)**
[Analysis of HLA–DQWa antigen ethnic polymorphism among a Japanese and Caucasian population and an association with Harada's disease] Kunikane H. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):672–81 (Eng. Abstr.) **(Jpn)**
[Genetic monitoring of laboratory rat strains by restriction fragment length polymorphisms of mitochondrial DNA] Suzuki M, et al. **Jikken Dobutsu** 1987 Apr;36(2):169–75 (Eng. Abstr.) **(Jpn)**
[Polymorphism of a culture of Streptomyces olivocinereus, the producer of heliomycin] Sokolova ZG, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):15–20 (Eng. Abstr.) **(Rus)**
[Molecular and cytogenetic approach to the mapping of methylated polymorphic restriction fragments of human rRNA genes] Gavrilavtsev IV, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):330–1 (Eng. Abstr.) **(Rus)**
[High interindividual polymorphism in restriction fragment length and copy number of the TURI family of moderate human DNA repetitions] Rogaev EI, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):57–8 (Eng. Abstr.) **(Rus)**
[Population–genetic study of Drosophila melanogaster from the Seychelles: frequency of alleles of allozyme loci and morpho–physiological traits] Bashkirov VN, et al. **Dokl Akad Nauk SSSR** 1987 Jan–Feb;292(1):215–20 **(Rus)**
[Genome "dactyloscopy". Characteristics of the human cloned sequence JIN 600 in vector M13 with properties of highly polymorphic DNA marker] Dzhincharadze AG, et al. **Dokl Akad Nauk SSSR** 1987 Jul–Aug;295(1):230–3 **(Rus)**

[Population genetics study of differential fertility in humans (based on an example of habitual abortion). III. Distribution of individual heterozygosity and genotype combinations for 9 polymorphic loci] Dubrova IuE, et al. **Genetika** 1986 Aug;22(8):2202–7 (Eng. Abstr.) **(Rus)**

[Biochemical polymorphism of serum cholinesterase in populations of the Kurdamir region of the Azerbaijan SSR] Gadzhiev BO, et al. **Genetika** 1987 Mar;23(3):549–58 (Eng. Abstr.) **(Rus)**

[Population genetics study of differential fertility in humans (based on an example of habitual abortion). II. Distribution of genotypes and heterozygosity levels for a variety of biochemical markers] Ikramov KM, et al. **Genetika** 1986 Aug;22(8):2192–201 (Eng. Abstr.) **(Rus)**

[Quantitative analysis of C-segments of chromosomes 1, 9, 16 and Y in couples with reproductive disorders] Kruminia AR, et al. **Genetika** 1987 Mar;23(3):540–3 (Eng. Abstr.) **(Rus)**

[Q-band chromosome polymorphism in couples with reproductive disorders] Kruminia AR, et al. **Genetika** 1987 Mar;23(3):544–8 (Eng. Abstr.) **(Rus)**

[Polymorphism of human serum cholinesterase (EC 3.1.1.8) in Leningrad and Azerbaijan populations] Mkheidze MO. **Genetika** 1986 Dec;22(12):2852–9 (Eng. Abstr.) **(Rus)**

[Complex medico-genetic study of the Western Siberian population. II. Population-genetic study of fluorescent chromosome polymorphism in Northern Khanty] Nazarenko SA, et al. **Genetika** 1987 Mar;23(3):497–503 (Eng. Abstr.) **(Rus)**

[Intra-individual polymorphism of human Y chromosome as a result of deletion in the heterochromatin region] Nazarenko SA, et al. **Genetika** 1987 May;23(5):918–21 (Eng. Abstr.) **(Rus)**

[Biochemical polymorphic systems in the immigrant population of northeastern USSR. V. Dynamics of genetic structure in individuals with different pathological processes depending upon the duration of living under extreme conditions] Solovenchuk LL. **Genetika** 1986 Oct; 22(10):2526–33 (Eng. Abstr.) **(Rus)**

[Genetic and ecological study of aboriginal populations of northeastern Siberia. II. Polymorphic blood systems, immunoglobulin allotypes and other genetic markers in asian eskimos. Genetic structure of Bering sea eskimos] Sukernik RI, et al. **Genetika** 1986 Sep;22(9):2369–80 (Eng. Abstr.) **(Rus)**

[Population polymorphism of silver-stained nucleolar organizer chromosome regions in man] Tsancheva M, et al. **Genetika** 1986 Dec;22(12):2860–4 (Eng. Abstr.) **(Rus)**

[Structural polymorphism of the provirus integrated in the genome of mammalian cells transformed by Rous sarcoma virus] Tatosian AG, et al. **Mol Biol (Mosk)** 1986 Sep–Oct; 20(5):1214–25 (Eng. Abstr.) **(Rus)**

[2 types of polymorphism of non-transcribed sites of human rRNA genes] Gar'kavtsev IV, et al. **Mol Gen Mikrobiol Virusol** 1986 Feb;(2):28–32 (Eng. Abstr.) **(Rus)**

[Characteristics of inheritance of restriction fragment polymorphisms for non-transcribed spacers of human rRNA genes] Gar'kavtsev IV, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**

[Distribution of genotypes by 9 polymorphic protein loci in pulmonary tuberculosis patients] Pospelov LE, et al. **Probl Tuberk** 1987;(4):53–6 (Eng. Abstr.) **(Rus)**

[Polymorphism of the Poland syndrome] Morova NA, et al. **Sov Med** 1987;(2):112–3 **(Rus)**

[Ontogenetic factors in epilepsy polymorphism] Ritsner MS, et al. **Sov Med** 1987;(1):86–8 **(Rus)**

[Polymorphism of heterochromatin regions of chromosomes 1, 9, 16 and Y in long-lived persons and in persons of various ages from 2 areas of the Soviet Union] Kuznetsova SM, et al. **Tsitol Genet** 1986 Nov–Dec;20(6):409–16 (Eng. Abstr.) **(Rus)**

[Age dynamics of the fluorescence polymorphism of human chromosomes] Nazarenko SA. **Tsitol Genet** 1987 May–Jun; 21(3):183–6 (Eng. Abstr.) **(Rus)**

[Heterochromatic regions and the nondisjunction of human chromosome 21. I. Polymorphism of the C-bands of chromosomes 1, 9 and 16 in children with Down's syndrome] Podugol'nikova OA. **Tsitologiia** 1987 Jun; 29(6):711–4 (Eng. Abstr.) **(Rus)**

[Polymorphism of the antigens of the ABO and rhesus-factor systems] Timoshenko LI, et al. **Vrach Delo** 1986 Dec; (12):38–42 (Eng. Abstr.) **(Rus)**

[Adaptive role of biochemical polymorphism of populations] Kirpichnikov VS. **Zh Obshch Biol** 1987 Jan–Feb;48(1):3–14 (58 ref.) (Eng. Abstr.) **(Rus)**

[Clinical applications of the Southern blotting of DNA in hematology and oncology] Lucero G, et al. **Medicina (B Aires)** 1987;47(1):88–92 **(Spa)**

[Polymorphic hepatic acetylation in fibrocystic mastopathy] Ladero Quesada JM, et al. **Rev Clin Esp** 1987 Jun; 181(1):24–5 (Eng. Abstr.) **(Spa)**

POLYMYALGIA RHEUMATICA

[Acute benign variant of polymyalgia rheumatica] Stagnaro S. **Clin Ter** 1986 Aug 15;118(3):193–9 (Eng. Abstr.) **(Ita)**

[A case of rheumatic polymyalgia] Maksimov KA. **Ter Arkh** 1987;59(4):138 **(Rus)**

BLOOD

Temporal arteritis after normalization of erythrocyte sedimentation rate in polymyalgia rheumatica. Papadakis MA, et al. **Arch Intern Med** 1986 Nov;146(11):2283–4

CRP in the management of polymyalgia rheumatica and giant cell arteritis [letter] Schreiber S. **Clin Rheumatol** 1987 Mar; 6(1):97–8

COMPLICATIONS

Giant cell arteritis of myometrial and axillary arteries and polymyalgia rheumatica. Kyle V, et al. **Ann Rheum Dis** 1987 Mar;46(3):256–8

Breast arteritis in polymyalgia rheumatica. Horne D, et al. **J Rheumatol** 1987 Jun;14(3):613–5

Involvement of the peripheral nervous system in temporal arteritis–polymyalgia rheumatica. Report of 3 cases and review of the literature. Nesher G, et al. **J Rheumatol** 1987 Apr;14(2):358–60

[Rheumatic polymyalgia and temporal arteritis. Case contribution and bibliographic review] Marganelli P, et al. **Minerva Med** 1987 Mar 15;78(5):287–96 (Eng. Abstr.) **(Ita)**

[Carpal tunnel syndrome in polymyalgia rheumatica. Clinical and electromyographic response to systemic treatment] Schapira D, et al. **Minerva Med** 1987 Mar 15;78(5):339–41 (Eng. Abstr.) **(Ita)**

[A case of polymyalgia rheumatica complicated by macroamylasemia] Nakamura T, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):409–13 **(Jpn)**

[Polymyalgia rheumatica complicated by aphasia and apraxia] Høie J, et al. **Tidsskr Nor Laegeforen** 1987 Jan 20; 107(2):144–5 (Eng. Abstr.) **(Nor)**

DIAGNOSIS

Giant cell arteritis and polymyalgia rheumatica. Review for the otolaryngologist. Ferguson BJ, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):373–9

Systemic lupus erythematosus presenting as polymyalgia rheumatica [letter] Foley J. **Ann Rheum Dis** 1987 Apr; 46(4):351

Polymyalgia rheumatica. Manolios N, et al. **Aust Fam Physician** 1986 Oct;15(10):1298–301

Death from 'natural causes'. An authentic case history from Australian general practice. Murtagh J. **Aust Fam Physician** 1986 Oct;15(10):1345

Diagnostic importance of an elevated erythrocyte sedimentation rate in the elderly. Thomas PD, et al. **Clin Rheumatol** 1987 Jun;6(2):177–80

Diagnosis and management of polymyalgia rheumatica. Espinoza LR, et al. **Compr Ther** 1986 Sep;12(9):19–23

Polymyalgia rheumatica and rheumatoid arthritis: a prodromal or overlap syndrome? Ghouse AT, et al. **Eur J Rheumatol Inflamm** 1984;7(2):56–62 (38 ref.)

The relationship of polymyalgia rheumatica to giant cell arteritis—single or separate syndromes? [letter] Healey LA. **J Rheumatol** 1986 Dec;13(6):1190

A new serological reaction in patients with polymyalgia rheumatica and/or giant cell (temporal) arteritis: deposition of complement C4 and C3 components on rat kidney structures detected by indirect immunofluorescence. Vaith P, et al. **Rheumatol Int** 1986;6(6):255–61

[Polymyalgia rheumatica] Kolarz G. **Fortschr Med** 1987 Jan 10;105(1):12–5 (Eng. Abstr.) **(Ger)**

[Polymyalgia rheumatica] Reinhardt U. **Z Arztl Fortbild (Jena)** 1987;81(8):393–4 **(Ger)**

[Report of 6 cases with polymyalgia rheumatica and a review of the literature] Kanemaru K, et al. **Nippon Ronen Igakkai Zasshi** 1986 Sep;23(5):469–76 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Polymyalgia rheumatica [letter] Huddleston RE. **Br J Hosp Med** 1986 Sep;36(3):225

Giant cell arteritis precipitated by a diagnostic trial of prednisolone in suspected polymyalgia rheumatica. Reilly PA, et al. **Clin Rheumatol** 1987 Jun;6(2):270–2

Polymyalgia rheumatica. Its correct diagnosis and treatment. Hart FD. **Drugs** 1987 Mar;33(3):280–7 (33 ref.)

ETIOLOGY

Vascular accidents after actinic (solar) exposure. An aspect of the temporal arteritis/polymyalgia rheumatica syndrome. O'Brien JP. **Int J Dermatol** 1987 Jul–Aug; 26(6):366–70

[Paraneoplastic polymyalgia rheumatica. Case contribution] Manganelli P, et al. **Minerva Med** 1986 Oct 6; 77(38):1739–41 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Isolation and analysis of immune complexes from sera of patients with polymyalgia rheumatica and giant cell arteritis. Smith AJ, et al. **Ann Rheum Dis** 1987 Jun; 46(6):468–74

METABOLISM

Corticosteroids and bone mass in asthma: comparisons with rheumatoid arthritis and polymyalgia rheumatica. Reid DM, et al. **Br Med J [Clin Res]** 1986 Dec 6; 293(6560):1463–6

Prednisolone pharmacokinetics in patients with rheumatoid arthritis, polymyalgia rheumatica and asthma. Taggart AJ, et al. **Clin Rheumatol** 1986 Sep;5(3):327–31

MORTALITY

Long-term survival in giant cell arteritis including temporal arteritis and polymyalgia rheumatica. A follow-up study of 90 patients treated with corticosteroids. Andersson R, et al. **Acta Med Scand** 1986;220(4):361–4

OCCURRENCE

Giant cell arteritis, temporal arteritis, and polymyalgia rheumatica in a Danish county. A prospective investigation, 1982–1985. Boesen P, et al. **Arthritis Rheum** 1987 Mar;30(3):294–9

PATHOLOGY

Giant-cell arteritis. Histological, immunohistochemical and electronmicroscopic studies. Chemnitz J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):251–62

[Subcutaneous nodules in a patient with polymyalgia rheumatica] Zavilla N. **Duodecim** 1986;102(23–24):1781–4 **(Fin)**

[Ultrastructural changes in skeletal muscle in polymyalgia rheumatica] Fassbender R, et al. **Dtsch Med Wochenschr** 1986 Nov 21;111(47):1799–804 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Horton's disease and rhizomelic pseudopolyarthritis. Developmental data apropos of 95 cases] Piton JL, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):7–13 (Eng. Abstr.) **(Fre)**

POLYMYXIN B see under **POLYMYXINS**

POLYMYXIN E see **COLISTIN**

POLYMYXINS

Interaction of polymyxin B nonapeptide with anionic phospholipids. Kubesch P, et al. **Biochemistry** 1987 Apr 21;26(8):2139–49

ADMINISTRATION & DOSAGE

Prevention of colonization and respiratory infections in long-term ventilated patients by local antimicrobial prophylaxis. Unertl K, et al. **Intensive Care Med** 1987; 13(2):106–13

A study of three preparations in the treatment of otitis externa. Slack RW. **J Laryngol Otol** 1987 Jun;101(6):533–5

ADVERSE EFFECTS

Acute renal failure caused by polymyxin B containing ointment. Pedersen RS, et al. **Scand J Urol Nephrol** 1987; 21(2):153–4

ANALYSIS

Determination of antibiotic activities with the aid of luminous bacteria. Ulitzur S. **Methods Enzymol** 1986;133:275–84

ANTAGONISTS & INHIBITORS

[Antagonism of the neuromuscular-blocking effect of polymyxin B by 3,4-diaminopyridine] Fang XM, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):22–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Decreased binding of antibiotics to lipopolysaccharides from polymyxin-resistant strains of Escherichia coli and Salmonella typhimurium. Peterson AA, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):230–7

Polymyxin-B-binding sites in the cochlea as demonstrated by polymyxin-B/gold labeling. Tachibana M, et al. **Histochemistry** 1986;86(2):191–4

Polymyxin B binding sites in Escherichia coli as revealed by polymyxin B-gold labeling. Morioka H, et al. **J Histochem Cytochem** 1987 Feb;35(2):229–31

PHARMACODYNAMICS

Polymyxin B selectively inhibits insulin effects on transport in isolated muscle. Grémeaux T, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E248–54

In vitro cytotoxicity and antibiotic activity of polymyxin B nonapeptide. Duwe AK, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):340–1

Involvement of outer membrane of Pseudomonas cepacia in aminoglycoside and polymyxin resistance. Moore RA, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):923–6

Comparative effects of polymyxin B, phorbol ester and bryostatin on protein phosphorylation, protein kinase C translocation, phospholipid metabolism and differentiation of HL60 cells. Kiss Z, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):208–15

The effect of polymyxin B nonapeptide (PMBN) on transformation. Viljanen P.

Biochem Biophys Res Commun 1987 Mar 30;143(3):923–7
Polymyxin B sulfate–induced pH–dependent increase in calcium influx in cultured fibroblasts. Subramoniam A, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):65–71
In vitro inhibition of the classical pathway of human complement by polymyxin B. Asghar SS, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2927–30
In vitro inhibition of lipopolysaccharide–induced bone resorption by polymyxin B. Harvey W, et al. **Br J Exp Pathol** 1986 Oct;67(5):699–705
Basal and electrically stimulated release of [3H]noradrenaline and [3H]dopamine from rat amygdala slices in vitro: effects of 4 beta–phorbol 12,13–dibutyrate, 4 alpha–phorbol 12,13–didecanoate and polymyxin B. Versteeg DH, et al. **Brain Res** 1987 Jul 28;416(2):343–8
The effect of polymyxin B on steroidogenesis from adrenocortical cells. Widmaier EP, et al. **Endocrinology** 1987 Jul;121(1):290–7
Reliability of the colistin disk test in identification of Serratia marcescens and Serratia liquefaciens. von Graevenitz A, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):70–1
Polycations which disorganize the outer membrane inhibit conjugation in Escherichia coli. Viljanen P. **J Antibiot (Tokyo)** 1987 Jun;40(6):882–6
Polymyxin B and polymyxin B nonapeptide alter cytoplasmic membrane permeability in Escherichia coli. Dixon RA, et al. **J Antimicrob Chemother** 1986 Nov;18(5):557–63
Membrane–disorganizing property of polymyxin B nonapeptide. Lam C, et al. **J Antimicrob Chemother** 1986 Jul;18(1):9–15
Polymyxin B is an inhibitor of insulin–induced hypoglycemia in the whole animal model. Studies on the mode of inhibitory action. Amir S, et al. **J Biol Chem** 1987 May 15;262(14):6663–7
Induction of human interleukin–1 production by polymyxin B. Damais C, et al. **J Immunol Methods** 1987 Jul 16; 101(1):51–6
Effects of lipid A content, hydrocortisone and polymyxin B on endotoxin–induced decreases in in vivo drug metabolism. Abernathy CO, et al. **Microbios** 1987; 49(199):91–6
Polymyxin–B inhibition of LPS–induced interleukin–1 secretion by human monocytes is dependent upon the LPS origin. Cavaillon JM, et al. **Mol Immunol** 1986 Sep; 23(9):965–9
Polymyxin B, a selective inhibitor of protein kinase C, diminishes the release of noradrenaline and the enhancement of release caused by phorbol 12,13–butyrate. Allgaier C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):218–21
Complete nucleotide sequence of a gene conferring polymyxin B resistance on yeast: similarity of the predicted polypeptide to protein kinases. Boguslawski G, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5848–52
Endotoxin–polymyxin complexes in an improved enzyme–linked immunosorbent assay for IgG antibodies in blood donor sera to gram–negative endotoxin core glycolipids. Scott BB, et al. **Vox Sang** 1987;52(4):272–80
[Effects of polymyxin B on action potentials of mice right ventricular myocardial cell] Wang XW, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):297–9 (Eng. Abstr.) **(Chi)**
[Estimating the biological effect of detrimental substances on E. coli with flow microcalorimetry. II. Studies using 3 antibiotics] Hartung J. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(1):47–57 (Eng. Abstr.) **(Ger)**
[Structural–functional research on polymyxins. 1H–NMR spectra of polymyxin B and its shortened analog] Okhanov VV, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):20–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Bacteriological data on a prospective multicenter study of the effect of two different regimens for selective decontamination in patients with acute leukaemia. van der Waaij D, et al. **Infection** 1986 Nov–Dec;14(6):268–74
Trimethoprim–polymyxin B sulfate cream versus fusidic acid cream in the treatment of pyodermas. Jaafar RB, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):60–3
Protection from endotoxemia: a rat model of plasmapheresis and specific adsorption with polymyxin B. Cohen J, et al. **J Infect Dis** 1987 Apr;155(4):690–5
Reversal of postburn immunosuppression with low–dose polymyxin B. Munster AM, et al. **J Trauma** 1986 Nov; 26(11):995–8
[Gastrointestinal decontamination procedure in bone marrow transplantation] Itoh T, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):879–84 (Eng. Abstr.) **(Jpn)**

TOXICITY

Ototoxicity of an ototopical preparation in a primate. Wright CG, et al. **Am J Otol** 1987 Jan;8(1):56–60
In vivo inhibition of polymyxin B–induced hypotension: evidence of beta–adrenergic inhibitory activity on rat mast cells. Botana LM, et al. **Gen Pharmacol** 1986;17(5):615–8

POLYNEURITIS

CHEMICALLY INDUCED

[Severe aggravation of neuropathy in POEMS syndrome after treatment with vincristine (letter)] Trèves R, et al. **Therapie** 1987 Jan–Feb;42(1):64–5 **(Fre)**
[Peripheral polyneuropathy induced by benzonidazole in the treatment of Chagas' disease] Defaria CR, et al. **Arq Neuropsiquiatr** 1986 Jun;44(2):125–9 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Multiple myeloma with polyneuropathy and coagulopathy [letter] Domingo P, et al. **Arch Intern Med** 1986 Oct; 146(10):2089
An unusual case of POEMS syndrome. Sigler E, et al. **Isr J Med Sci** 1986 Dec;22(12):906–8
[An autopsy case of polyarteritis nodosa associated with multiple cranial neuritis and thrombotic thrombocytopenic purpura] Kuroda Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1291–6 **(Jpn)**
[A case of Crow–Fukase syndrome associated with periodic fever and severe thrombocytopenia] Kitamura T, et al. **Rinsho Ketsueki** 1987 Apr;28(4):547–52 (Eng. Abstr.) **(Jpn)**
[Polyneuritis associated with essential mixed cryoglobulinemia (letter)] Ricart C, et al. **Med Clin (Barc)** 1987 Jan 10;88(1):41 **(Spa)**

DIAGNOSIS

Neuronal antinuclear antibody (anti–Hu) in paraneoplastic encephalomyelitis simulating acute polyneuritis. Graus F, et al. **Acta Neurol Scand** 1987 Apr;75(4):249–52
[Differential diagnosis, pathogenesis and therapy of alcoholic polyneuropathy] Neundörfer B, et al. **Fortschr Neurol Psychiatr** 1986 Aug;54(8):241–7 (Eng. Abstr.) **(Ger)**
[Significance of sensory evoked potentials in the diagnosis of polyneuropathy] Vogel P. **Fortschr Neurol Psychiatr** 1986 Oct;54(10):305–17 (Eng. Abstr.) **(Ger)**
[Unilateral sensory neuropathy of the trigeminal nerve as the leading symptom of primary Sjögren syndrome ("sicca syndrome")] Mauch E, et al. **Nervenarzt** 1987 Apr; 58(5):322–5 (Eng. Abstr.) **(Ger)**
[Benign symmetrical lipomatosis with polyneuropathy and mental performance deficits] Rixecker H, et al. **Nervenarzt** 1987 Jul;58(7):443–6 (Eng. Abstr.) **(Ger)**
[Diagnostic value of the H–reflex index in alcoholic polyneuropathy] Matthes R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Mar; 39(3):169–72 (Eng. Abstr.) **(Ger)**
[Diagnosis of autonomic disorders in polyneuropathies—methodology and evaluation of simple cardiovascular function tests] Reichel G. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Mar; 39(3):134–8 (Eng. Abstr.) **(Ger)**
[A case from practice (68)] Schön H. **Schweiz Rundsch Med Prax** 1986 Dec 2;75(49):1513–4 **(Ger)**

DRUG THERAPY

High–dose penicillin therapy in meningopolyneuritis Garin–Bujadoux–Bannwarth. Clinical and cerebrospinal fluid data. Kristoferitsch W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):357–64

ETIOLOGY

Severe peripheral burn polyneuropathy: a case report. Anastakis DJ, et al. **Burns Incl Therm Inj** 1987 Jun; 13(3):232–5
Myelin basic protein as an encephalitogen in encephalomyelitis and polyneuritis following rabies vaccination. Hemachudha T, et al. **N Engl J Med** 1987 Feb 12;316(7):369–74
[Secondary achalasia within the scope of polyneuropathy in small cell bronchial cancer] Wambach G, et al. **Internist (Berlin)** 1987 Jan;28(1):79–81 **(Ger)**
[Muscle weakness, polyneuropathy] Seitzer B, et al. **Schweiz Rundsch Med Prax** 1987 Mar 31;76(14):380–2 (Eng. Abstr.) **(Ger)**
[Etiology and pathogenesis of polyneuritis (a review of the literature)] Manelis ZS. **Zh Nevropatol Psikhiatr** 1986; 86(11):1720–6 (155 ref.) **(Rus)**

FAMILIAL & GENETIC

Early identification of amyloid heart disease by technetium–99m–pyrophosphate scintigraphy: a study with familial amyloid polyneuropathy. Hongo M, et al. **Am Heart J** 1987 Mar;113(3):654–62
IgG heavy–chain (Gm) allotypes in demyelinating polyneuropathy associated with MAG–binding monoclonal IgM autoantibodies. Kahn SN, et al. **Ann Neurol** 1987 May; 21(5):507–9
[Marfan's disease and familial neuropathy with sausage–shaped swelling. A case of fortuitous association] Eymard B, et al. **Rev Neurol (Paris)** 1986;142(8–9):703–5 (Eng. Abstr.) **(Fre)**
[Familial polyneuropathy with a disposition to pressure paralyses. A contribution to the differential diagnosis of mononeuropathies] Feistner H, et al. **Nervenarzt** 1986 Nov; 57(11):654–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Cytotoxic response of serum from patients with chronic inflammatory demyelinating polyradiculoneuropathy (CIDP). Armati PJ, et al. **Acta Neurol Scand** 1987 Jul; 76(1):24–7
Neuroimmunology [editorial] Arnason BG. **N Engl J Med** 1987 Feb 12;316(7):406–8
Oligoclonal antibodies in CSF of patients with meningopolyneuritis Garin–Bujadoux–Bannwarth: Ig class, light chain type and specificity. Kristoferitsch W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):307–13
Anti–myelin antibodies in cerebrospinal fluid and serum of patients with meningopolyneuritis Garin–Bujadoux–Bannwarth and other neurological diseases. Suchanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):160–8
[Polyneuritis and essential mixed cryoglobulinemia with demonstration of deposits of IgM and IgA in the vascular walls of the nerve (letter)] Olivé A, et al. **Med Clin (Barc)** 1986 Oct 4;87(10):438 **(Spa)**

PATHOLOGY

The skin changes in the Crow–Fukase (POEMS) syndrome. A case report. Shelley WB, et al. **Arch Dermatol** 1987 Jan; 123(1):85–7
Neuropathological findings in a case of chronic inflammatory polyneuropathy. Milder DG, et al. **Clin Exp Neurol** 1985; 21:165–70
Meningopolyneuritis Bannwarth with local nodular myositis. A new aspect in Lyme borreliosis. Schmutzhard E, et al. **Klin Wochenschr** 1986 Nov 17;64(22):1204–8
[The Crow–Fukase syndrome associated with extramedullary plasmacytoma—an autopsy case] Ohkoshi N, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):185–93 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Simple method for estimation of bivariate normality in routine NCV studies. Brezinova V, et al. **Electromyogr Clin Neurophysiol** 1987 Feb;27(1):61–4
Polyneuropathy and systemic vasculitis. An electrophysiological study. Pavesi G, et al. **Ital J Neurol Sci** 1987 Apr;8(2):171–5
Electrophysiologic findings in meningopolyneuritis of Garin–Bujadoux–Bannwarth. Graf M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):324–7
[Changes in the spindle activity during sleep in subjects with advanced predominantly motor polyneuropathy] Scrofani A, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1269–76 (Eng. Abstr.) **(Ita)**
[Comparison of electrophysiologic changes in persons with alcoholic polyneuropathy and polyneuropathy caused by carbon disulfide] Niewiadomska M, et al. **Neurol Neurochir Pol** 1986 Sep–Oct;20(5):453–60 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Technetium–99m pyrophosphate single–photon emission computed tomography of the heart in familial amyloid polyneuropathy. Karp K, et al. **Int J Cardiol** 1987 Mar; 14(3):365–9

REHABILITATION

[Modern methods of physical treatment in alcoholic polyneuropathies] Neretin VIa, et al. **Sov Med** 1987; (4):99–102 **(Rus)**

THERAPY

[Sympathetic block series. A component of the pain therapy concept in polyneuropathies] Hankemeier U, et al. **Fortschr Med** 1987 Apr 30;105(13):255–7 (Eng. Abstr.) **(Ger)**

POLYNUCLEAR AROMATIC HYDROCARBONS see **POLYCYCLIC HYDROCARBONS**

POLYNUCLEOTIDE HYDROXYLKINASE see under **PHOSPHOTRANSFERASES, ATP**

POLYNUCLEOTIDE LIGASES see **POLYNUCLEOTIDE SYNTHETASES**

POLYNUCLEOTIDE PHOSPHORYLASE

GENETICS

Tn5 insertion in the polynucleotide phosphorylase (pnp) gene in Escherichia coli increases susceptibility to antibiotics. McMurry LM, et al. **J Bacteriol** 1987 Mar;169(3):1321–4
Nucleotide sequence of the pnp gene of Escherichia coli encoding polynucleotide phosphorylase. Homology of the

primary structure of the protein with the RNA-binding domain of ribosomal protein S1. Régnier P, et al. **J Biol Chem** 1987 Jan 5;262(1):63-8

POLYNUCLEOTIDE SYNTHETASES

Ligation of single-stranded oligodeoxyribonucleotides by T4 RNA ligase. Tessier DC, et al. **Anal Biochem** 1986 Oct; 158(1):171-8

Domainal evolution of a prokaryotic DNA repair protein and its relationship to active-transport proteins. Doolittle RF, et al. **Nature** 1986 Oct 2-8;323(6087):451-3

BIOSYNTHESIS

Relationship between thymus ontogeny and DNA ligase expression in the chicken. Jotereau F, et al. **Eur J Immunol** 1987 Jan;17(1):85-9

DEFICIENCY

DNA ligase I deficiency in Bloom's syndrome. Willis AE, et al. **Nature** 1987 Jan 22-28;325(6102):355-7

GENETICS

Effect of single amino acid changes in the region of the adenylylation site of T4 RNA ligase. Heaphy S, et al. **Biochemistry** 1987 Mar 24;26(6):1688-96

Molecular characterisation of the DNA ligase gene, CDC17, from the fission yeast Schizosaccharomyces pombe. Barker DG, et al. **Eur J Biochem** 1987 Feb 2;162(3):659-67

DNA-ligase activity in axolotl early development: evidence for a multilevel regulation of gene expression. Signoret J, et al. **J Embryol Exp Morphol** 1986 Oct;97 Suppl:85-95

ISOLATION & PURIFICATION

Immunochemical analysis of molecular forms of mammalian DNA ligases I and II. Teraoka H, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):297-303

METABOLISM

Contrasting patterns of DNA strand breakage and ADP-ribosylation-dependent DNA ligation during granulocyte and monocyte differentiation. Khan Z, et al. **Blood** 1987 Apr;69(4):1114-9

Mammalian DNA ligase. Structure and function in rat-liver tissues. Mezzina M, et al. **Eur J Biochem** 1987 Jan 15; 162(2):325-32

Two distinct DNA ligases from Drosophila melanogaster embryos. Takahashi M, et al. **FEBS Lett** 1987 Mar 23; 213(2):345-52

Thermophilic HB8 DNA ligase: effects of polyethylene glycols and polyamines on blunt-end ligation of DNA. Takahashi M, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):123-31

Influence of polyethylene glycol on the ligation reaction with calf thymus DNA ligases I and II. Teraoka H, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):225-31

Enzymatic synthesis and some properties of a model primitive tRNA. Kirjo M, et al. **J Mol Evol** 1986;23(4):320-7

Substrate recognition and identification of splice sites by the tRNA-splicing endonuclease and ligase from Saccharomyces cerevisiae. Greer CL, et al. **Mol Cell Biol** 1987 Jan;7(1):76-84

Normal DNA ligase activity in a gamma-ray-sensitive Chinese hamster mutant. Stamato TD, et al. **Mutat Res** 1987 Jan;183(1):61-7

Altered DNA ligase I activity in Bloom's syndrome cells. Chan JY, et al. **Nature** 1987 Jan 22-28;325(6102):357-9

Synthesis and reactivity of intermediates formed in the T4 RNA ligase reaction. Hoffmann PU, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5289-303

RNA end-labeling and RNA ligase activities can produce a circular rRNA in whole cell extracts from trypanosomes. White TC, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3275-90

[Mechanism of reaction catalyzed by RNA-ligase from bacteriophage T4] Zagrebel'nyi SN, et al. **Mol Biol (Mosk)** 1987 Mar-Apr;21(2):396-402 (Eng. Abstr.) **(Rus)**

[Study of ATP-independent stages of reaction catalyzed by phage T4 RNA-ligase] Zagrebel'nyi SN, et al. **Mol Biol (Mosk)** 1986 Nov-Dec;20(6):1506-12 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Regulation of inter- and intramolecular ligation with T4 DNA ligase in the presence of polyethylene glycol. Hayashi K, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7617-31

POLYNUCLEOTIDES

Thermodynamic characterization of oligo dG.poly rC hybrid helices. Thomas T, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):192-6

Nucleotide insertion kinetics opposite abasic lesions in DNA. Randall SK, et al. **J Biol Chem** 1987 May 15; 262(14):6864-70

CD of homopolymer DNA-RNA hybrid duplexes and triplexes containing A-T or A-U base pairs. Steely HT Jr, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10071-90

[Effect of polynucleotide adsorption on characteristics of a planar phosphatidylcholine bilayer membrane] Bichenkov EE, et al. **Biofizika** 1987 May-Jun;32(3):524-6 (Eng. Abstr.) **(Rus)**

[Plasmid vector pSSC1 for cloning synthetic polynucleotides and their regeneration with a unique nucleotide sequence] Kuznedelov KD, et al. **Bioorg Khim** 1986 Jun;12(6):842-4 (Eng. Abstr.) **(Rus)**

[Chiral purity of polynucleotides as a necessary condition of complementarity] Gol'danskiĭ VI, et al. **Dokl Akad Nauk SSSR** 1986;290(3):734-7 **(Rus)**

ANALYSIS

Quantification by fluorescence of apurinic sites in DNA. Bertrand JR, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):768-74

GENETICS

Characterization of Escherichia coli mutant strains deficient in AP DNA-repair synthesis. Weinberger S, et al. **Mutat Res** 1986 Sep;166(2):123-34

High frequencies of short frameshifts in poly-CA/TG tandem repeats borne by bacteriophage M13 in Escherichia coli K-12. Levinson G, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5323-38

IMMUNOLOGY

A study of antipolynucleotide antibodies, anti-Klebsiella (K30) antibodies and anti-DNA antibody idiotypes in ankylosing spondylitis. Isenberg DA, et al. **Br J Rheumatol** 1987 Jun;26(3):168-71

The sera of patients with Klebsiella infections contain a common anti-DNA idiotype (16/6) Id and anti-polynucleotide activity. el-Roiey A, et al. **Clin Exp Immunol** 1987 Mar;67(3):507-15

Specificity of anti-polynucleotide monoclonal antibodies from human-human hybridomas. Hashizume S, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):53-6

METABOLISM

Role of tryptophan 54 in the binding of E. coli single-stranded DNA-binding protein to single-stranded polynucleotides. Khamis MI, et al. **FEBS Lett** 1987 Jan 26;211(2):155-9

Repair of cyclic nucleic acid adducts and adverse effects of apurinic sites. Laval J, et al. **IARC Sci Publ** 1986; (70):381-5

Investigation of the role of individual tryptophan residues in the binding of Escherichia coli single-stranded DNA binding protein to single-stranded polynucleotides. A study by optical detection of magnetic resonance and site-selected mutagenesis. Khamis MI, et al. **J Biol Chem** 1987 Aug 15;262(23):10938-45

[Endonuclease III of Escherichia coli and the repair of oxidized thymines and AP sites] Bailly V. **C R Soc Biol (Paris)** 1987;181(1):52-4 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[Interferon induction via peroral administration of high-molecular polynucleotides] Grigorian SS, et al. **Vopr Virusol** 1986 May-Jun;31(3):338-42 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Formation of protein cross-links and breaks in the polynucleotide chain of tobacco mosaic virus RNA in situ after exposure to high-intensity pico-second laser UV-irradiation] Arbieva ZKh, et al. **Dokl Akad Nauk SSSR** 1987 Jan-Feb;292(1):227-30 **(Rus)**

POLYOMAVIRUSES

Studies on the polyoma tumor-specific transplantation antigen (TSTA): selection and characterization of TSTA-negative segregants from somatic hybrids. Ramqvist T, et al. **Int J Cancer** 1987 Jul 15;40(1):74-80

Regulation of pp60c-src synthesis by inducible RNA complementary to c-src mRNA in polyomavirus-transformed rat cells. Amini S, et al. **Mol Cell Biol** 1986 Jul;6(7):2305-16

The immunological activities of components isolated from Corynebacterium parvum in mice injected with polyoma tumor cells. Tomecki J, et al. **Neoplasma** 1987;34(1):15-22

ANALYSIS

Analysis of middle tumor antigen and pp60c-src interactions in polyomavirus-transformed rat cells. Bolen JB, et al. **J Virol** 1987 Oct;61(10):3299-305

Two phosphorylated subclasses of polyomavirus large T antigen that differ in their modes of association with the cell nucleus. Humphrey GW, et al. **J Virol** 1987 Jul; 61(7):2336-8

Localization of calcium on the polyomavirus VP1 capsid protein. Ludlow JW, et al. **J Virol** 1987 Sep;61(9):2934-7

Myristic acid is coupled to a structural protein of polyoma virus and SV40. Streuli CH, et al. **Nature** 1987 Apr 9-15; 326(6113):619-22

ENZYMOLOGY

Localization of the phosphorylations of polyomavirus large T antigen. Bockus BJ, et al. **J Virol** 1987 Apr;61(4):1155-63

Purified polyoma virus medium T antigen has tyrosine-specific protein kinase activity but no significant phosphatidylinositol kinase activity. Koch W, et al. **Mol Cell Biol** 1986 Jun;6(6):1866-74

Consensus topography in the ATP binding site of the simian virus 40 and polyomavirus large tumor antigens. Bradley MK, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4026-30

GENETICS

Induction of undifferentiated tumors by JC virus in the cerebrum of rats. Ohsumi S, et al. **Acta Pathol Jpn** 1986 Jun;36(6):815-25

Variations in polyoma virus genotype in relation to tumor induction in mice. Characterization of wild type strains with widely differing tumor profiles. Dawe CJ, et al. **Am J Pathol** 1987 May;127(2):243-61

Genetic instabilities at the chromosomal and the molecular levels induced by the plt oncogene of polyoma virus. Léopold P, et al. **Ann Clin Res** 1986;18(5-6):304-6

Biochemical properties associated with the immortalizing domain of the large T protein of polyoma virus. Guizani I, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):973-9

Induction of asynchronous replication of polyoma DNA in rat cells by ultraviolet irradiation and the effects of various inhibitors. Ronai ZA, et al. **Cancer Res** 1987 Sep 1; 47(17):4565-70

Transformation by polyoma virus middle T antigen. Courtneidge SA. **Cancer Surv** 1986;5(2):173-82

N-methyl-N'-nitro-N-nitrosoguanidine and benzo[a]pyrene-7,8-diol-9,10-epoxide inhibit glucocorticoid-inducible polyoma virus middle-T gene expression in rat mT-1 cells by a post-transcriptional mechanism. Miller MS, et al. **Carcinogenesis** 1987 Aug; 8(8):1159-63

The c-Ha-ras oncogene and a tumor promoter activate the polyoma virus enhancer. Wasylyk C, et al. **Cell** 1987 Feb 13;48(3):525-34

Sites hypersensitive to, and protected from, nuclease digestion in the regulatory region of wild-type and mutant polyoma chromatin. Caruso M, et al. **EMBO J** 1986 Dec 20;5(13):3539-46

Establishment of 'normal' nervous cell lines after transfer of polyoma virus and adenovirus early genes into murine brain cells. Evrard C, et al. **EMBO J** 1986 Dec 1;5(12):3157-62

Two different factors bind to the alpha-domain of the polyoma virus enhancer, one of which also interacts with the SV40 and c-fos enhancers. Piette J, et al. **EMBO J** 1987 May;6(5):1331-7

Further characterization of the interaction of polyoma virus and simian virus 40 with embryonal carcinoma cells. Hales K, et al. **Exp Mol Pathol** 1987 Aug;47(1):48-58

Characterization of a mutant polyoma that expresses in F9 embryonal carcinoma cells: morphology, tumorigenicity, and restriction enzyme analysis. Lehman JM, et al. **Exp Mol Pathol** 1987 Aug;47(1):59-68

Phosphoinositide kinase activity and transformation. Whitman M, et al. **Fed Proc** 1986 Oct;45(11):2647-52

Association of BK virus with human brain tumors and tumors of pancreatic islets. Corallini A, et al. **Int J Cancer** 1987 Jan 15;39(1):60-7

The early enhancer-promoter of BKV and host range for transformation. de Ronde A, et al. **Intervirology** 1987; 27(1):38-44

Transforming potential of DNA of the human PLC/PRF/5 hepatoma cell line. Iwamura Y, et al. **Intervirology** 1986; 26(4):223-7

Transgenic mice and the language of cells. Spriggs DR. **J Infect Dis** 1987 Mar;155(3):596-7

Cloning and characterization of BK virus-related DNA sequences from normal and neoplastic human tissues. Knepper JE, et al. **J Med Virol** 1987 Mar;21(3):289-99

Abundant expression of polyomavirus middle T antigen and dihydrofolate reductase in an adenovirus recombinant. Berkner KL, et al. **J Virol** 1987 Apr;61(4):1213-20

Phosphorylation of polyomavirus large T antigen: effects of viral mutations and cell growth state. Bockus BJ, et al. **J Virol** 1987 Apr;61(4):1147-54

Analysis of polyomavirus middle-T-antigen-transformed rat cell variants expressing different levels of pp60c-src. Bolen JB, et al. **J Virol** 1987 Apr;61(4):1079-85

High-frequency changes in transcriptional activity in polyomavirus-transformed cell lines. Bouchard L, et al. **J Virol** 1987 Aug;61(8):2448-53

Construction and characterization of hybrid polyomavirus genomes. Chuke WF, et al. **J Virol** 1986 Dec;60(3):960-71

Overproduction of polyomavirus middle T antigen in mammalian cells through the use of an adenovirus vector. Davidson D, et al. **J Virol** 1987 Apr;61(4):1226-39

Replicative cis-advantage of polyomavirus regulatory region mutants in different murine cell lines. De Simone V, et al. **J Virol** 1987 May;61(5):1615-20

Differences in biological activity and structural protein VP1 phosphorylation of polyomavirus progeny resulting from infection of primary mouse kidney and primary mouse embryo cell cultures. Ludlow JW, et al. **J Virol** 1987 Feb; 61(2):509-15

Owl monkey astrocytoma cells in culture spontaneously

produce infectious JC virus which demonstrates altered biological properties. Major EO, et al. **J Virol** 1987 May; 61(5):1435–41

Mapping of the amino-terminal half of polyomavirus middle-T antigen indicates that this region is the binding domain for pp60c-src. Markland W, et al. **J Virol** 1987 Feb;61(2):285–92

Resolution of a polyomavirus-mouse hybrid replicon: viral function required for recombination [published erratum appears in J Virol 1987 Jul;61(7):2349] Piché A, et al. **J Virol** 1987 Mar;61(3):845–50

Resolution of a polyomavirus-mouse hybrid replicon: release of genomic viral DNA. Piché A, et al. **J Virol** 1987 Mar; 61(3):840–4

Expression of polyomavirus large T antigen by using a baculovirus vector. Rice WC, et al. **J Virol** 1987 May; 61(5):1712–6

Structure and function of the transcriptional control region of nonpassaged BK virus. Rubinstein R, et al. **J Virol** 1987 May;61(5):1747–50

Characterization of middle T antigen expressed by using an adenovirus expression system. Schaffhausen BS, et al. **J Virol** 1987 Apr;61(4):1221–5

Expression of polyomavirus virion proteins by a vaccinia virus vector: association of VP1 and VP2 with the nuclear framework. Stamatos NM, et al. **J Virol** 1987 Feb; 61(2):516–25

Medium tumor antigen of polyomavirus transformation-defective mutant NG59 is associated with 73-kilodalton heat shock protein. Walter G, et al. **J Virol** 1987 Feb;61(2):405–10

Covalent binding of formalin fixed paraffin embedded brain tissue sections to glass slides suitable for in situ hybridization. Tourtellotte WW, et al. **J Virol Methods** 1987 Feb;15(2):87–99

Linear DNA must have free ends to transform rat cells efficiently. Gusew N, et al. **MGG** 1987 Jan;206(1):121–5

New class of polyomavirus mutant that can persist as free copies in F9 embryonal carcinoma cells. Ariizumi K, et al. **Mol Cell Biol** 1986 Nov;6(11):3920–7

Unusual sequence element found at the end of an amplicon. Baran N, et al. **Mol Cell Biol** 1987 Jul;7(7):2636–40

Interaction of distinct nuclear proteins with sequences controlling the expression of polyomavirus early genes. Böhnlein E, et al. **Mol Cell Biol** 1986 May;6(5):1401–11

An excision event that may depend on patchy homology for site specificity. Bourgaux-Ramoisy D, et al. **Mol Cell Biol** 1986 Jul;6(7):2727–30

Intermolecular recombination assay for mammalian cells that produces recombinants carrying both homologous and nonhomologous junctions. Brouillette S, et al. **Mol Cell Biol** 1987 Jun;7(6):2248–55

Enhancer sequences responsible for DNase I hypersensitivity in polyomavirus chromatin. Bryan PN, et al. **Mol Cell Biol** 1986 Jun;6(6):2249–52

Lymphoid and other tissue-specific phenotypes of polyomavirus enhancer recombinants: positive and negative combinational effects on enhancer specificity and activity. Campbell BA, et al. **Mol Cell Biol** 1986 Jun;6(6):2068–79

Immortalization of rat embryo fibroblasts by mutant polyomavirus large T antigens deficient in DNA binding. Cowie A, et al. **Mol Cell Biol** 1986 Dec;6(12):4344–52

Activation of the adenovirus and BK virus late promoters: effects of the BK virus enhancer and trans-acting viral early proteins. Grinnell BW, et al. **Mol Cell Biol** 1986 Nov; 6(11):3596–605

DNA sequences required for specific and efficient initiation of transcription at the polyoma virus early promoter. Jat P, et al. **Mol Cell Biol** 1982 Jul;2(7):737–51

Recombinant retroviruses encoding simian virus 40 large T antigen and polyomavirus large and middle T antigens. Jat PS, et al. **Mol Cell Biol** 1986 Apr;6(4):1204–17

Transformation of chicken embryo fibroblasts and tumor induction by the middle T antigen of polyomavirus carried in an avian retroviral vector. Kornbluth S, et al. **Mol Cell Biol** 1986 May;6(5):1545–51

BK virus-transformed inbred hamster brain cells: status of viral DNA in subclones. Pater MM, et al. **Mol Cell Biol** 1982 Jul;2(7):837–44

Nucleotides in the polyomavirus enhancer that control viral transcription and DNA replication. Tang WJ, et al. **Mol Cell Biol** 1987 May;7(5):1681–90

Use of a novel S1 nuclease RNA-mapping technique to measure efficiency of transcription termination on polyomavirus DNA. Tseng RW, et al. **Mol Cell Biol** 1986 May;6(5):1624–32

Adenovirus E1a proteins repress expression from polyomavirus early and late promoters. Velcich A, et al. **Mol Cell Biol** 1986 Nov;6(11):4019–25

Inverted duplication-transposition event in mammalian cells at an illegitimate recombination join. Williams TJ, et al. **Mol Cell Biol** 1986 Jun;6(6):2179–84

Nitropyrenes are inducers of polyoma viral DNA synthesis. Lambert ME, et al. **Mutat Res** 1987 May;183(3):203–11

Site-directed mutation affecting polyomavirus capsid self-assembly in vitro. Garcea RL, et al. **Nature** 1987 Sep 3–9;329(6134):86–7

A factor discriminating between the wild-type and a mutant polyomavirus enhancer. Kovesdi I, et al. **Nature** 1987 Jul 2–8;328(6125):87–9

Induction of a factor that binds to the polyoma virus A enhancer on differentiation of embryonal carcinoma cells. Kryszke MH, et al. **Nature** 1987 Jul 16–22;328(6127):254–6

The length but not the sequence of the polyoma virus late leader exon is important for both late RNA splicing and stability. Adami GR, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2593–610

Polyoma virus DNA replication is semi-discontinuous. Hendrickson EA, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6369–85

Regulation of viral and cellular promoter activity by polyomavirus early proteins. Pannuti A, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1595–613

Molecular analysis of the interaction between an enhancer binding factor and its DNA target. Piette J, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9595–611

Xiep, a plasmid-stimulating X chromosomal sequence bearing similarities to the BK virus replication origin and viral enhancers. Riley DE, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9407–23

Competition studies with repressors and activators of viral enhancer function in F9 mouse embryonal carcinoma cells. Sleigh MJ, et al. **Nucleic Acids Res** 1987 May 26; 15(10):4307–24

Loss of (2'-5')oligoadenylate synthetase activity by production of antisense RNA results in lack of protection by interferon from viral infections. De Benedetti A, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):658–62

Regulation of the host range of human papovavirus JCV. Feigenbaum L, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3695–8

Multicopy plasmid with a structure related to the polyoma virus genome. Kusano T, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1789–93

Interaction of a nuclear factor with the polyomavirus enhancer region. Ostapchuk P, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8550–4

A pancreas specificity results from the combination of polyomavirus and Moloney murine leukemia virus enhancer. Rochford R, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):449–53

Early regions of JC virus and BK virus induce distinct and tissue-specific tumors in transgenic mice. Small JA, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8288–92

Regulation of c-myc and c-fos mRNA levels by polyomavirus: distinct roles for the capsid protein VP1 and the viral early proteins. Zullo J, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1210–4

The motile behavior of virus-transformed 3T3 cells. Albrecht-Buehler G. **Scan Electron Microsc** 1986;(Pt 4):1427–36

Expression of the malignant phenotype in rat fibroblasts transfected with the polyomavirus transforming genes. Bouchard L, et al. **Virology** 1986 Nov;155(1):1–12

Analysis of the early regulatory region of the human papovavirus BK. Deyerle KL, et al. **Virology** 1987 May; 158(1):181–93

Complementation between SV40 and RFV defectives and acquisition of SV40 origins by late RFV genomes [published erratum appears in Virology 1987 May;158 (1):263] O'Neill FJ, et al. **Virology** 1986 Oct 30; 154(2):344–56

The hamster papovavirus: evolutionary relationships with other polyomaviruses. Vogel F, et al. **Virology** 1986 Oct 30;154(2):335–43

Expression of influenza hemagglutinin-polyoma T-antigen fusion proteins in a rat embryo fibroblast cell line. Ballmer-Hofer K, et al. **Virus Res** 1987 Jan;6(4):345–61

Genetic characterization of JC virus Tokyo-1 strain, a variant oncogenic in rodents. Matsuda M, et al. **Virus Res** 1987 Apr;7(2):159–68

Mutational analysis of DNA sequences affecting the replication of defective polyomavirus variant D-50. Osterlund M, et al. **Virus Res** 1986 Dec;6(3):273–86

[Transforming genes of DNA tumor viruses SV 40, polyoma virus, and adenoviruses] Fujinaga K, et al. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(8):655–67 (85 ref.) **(Jpn)**

[Regulatory region of the polyomavirus genome and regulation of gene expression in the developing mouse embryo] Ito Y. **Uirusu** 1986 Jun;36(1):71–8 (29 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Derivation and characterization of POJ cells, transformed human fetal glial cells that retain their permissivity for JC virus. Mandl C, et al. **J Virol** 1987 Mar;61(3):755–63

IMMUNOLOGY

Immunoenzymatic labelling of JC papovavirus T antigen in brains of patients with progressive multifocal leukoencephalopathy. Greenlee JE, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):150–3

Protein kinase C stimulation increases the transforming ability of the polyoma virus middle T antigen. Raptis L, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1106–12

Detection of a polyoma virus-induced tumor-associated membrane antigen in mouse cells by the macrophage migration inhibition test. Ramqvist T, et al. **Cancer Res** 1986 Oct;46(10):5045–8

BK virus antibody in population of various age groups in Beijing. Lin JP, et al. **Chin Med J [Engl]** 1986 Jul; 99(7):595–6

Protein disulfide crosslinking stabilizes a polyoma large T antigen–host protein complex on the nuclear matrix. Humphrey GW, et al. **Exp Cell Res** 1987 Jul;171(1):122–36

Inhibition of BK virus haemagglutination by gangliosides. Sinibaldi L, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):879–83

Polyomavirus small T antigen enhances replication of viral genomes in 3T6 mouse fibroblasts. Berger H, et al. **J Virol** 1986 Nov;60(2):768–70

Anti-idiotypic antibodies to a polyomavirus monoclonal antibody recognize cell surface components of mouse kidney cells and prevent polyomavirus infection. Marriott SJ, et al. **J Virol** 1987 Sep;61(9):2747–53

Polyomavirus small t antigen: overproduction in bacteria, purification, and utilization for monoclonal and polyclonal antibody production. Pallas DC, et al. **J Virol** 1986 Dec; 60(3):1075–84

BK virus in cell culture: infectivity quantitation and sequential expression of antigens detected by immunoperoxidase staining. Flaegstad T, et al. **J Virol Methods** 1987 May;16(1–2):139–46

Tumour prevention and rejection with recombinant vaccinia. Lathe R, et al. **Nature** 1987 Apr 30–May 6;326(6116):878–80

[Determination of BK virus antibody in different age groups in a Beijing population] Lin JP, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):648–9 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

Use of hybridot assay to screen for BK and JC polyomaviruses in non-immunosuppressed patients. Cobb JJ, et al. **J Clin Pathol** 1987 Jul;40(7):777–81

BK viruria and hemorrhagic cystitis [letter] **N Engl J Med** 1987 Jan 8;316(2):108–9

Association of polyomaviruses JC, SV40, and BK with human brain tumors. Dörries K, et al. **Virology** 1987 Sep; 160(1):268–70

[Possible relation between viruses and oromaxillofacial tumors. V. Demonstration of hemagglutination-inhibiting anti-BK virus antibodies in patients with tumors of the parotid gland] Stoian M, et al. **Virologie** 1987 Jan–Mar; 38(1):53–60 (Eng. Abstr.) **(Fre)**

[Cytological and ultrastructural diagnosis of human polyoma virus infection (BK) in urinary sediment] Piva AE, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):53–6, 59 (Eng. Abstr.) **(Spa)**

METABOLISM

Polyomavirus major capsid protein VP1 is modified by tyrosine sulfuration. Ludlow JW, et al. **J Virol** 1987 May; 61(5):1708–11

PATHOGENICITY

Polyomavirus tumor induction in mice: influences of viral coding and noncoding sequences on tumor profiles. Freund R, et al. **J Virol** 1987 Jul;61(7):2232–9

Origin of the medulloblastoma experimentally induced by human polyomavirus JC. Matsuda M, et al. **JNCI** 1987 Sep;79(3):585–91

Late-onset hemorrhagic cystitis associated with urinary excretion of polyomaviruses after bone marrow transplantation. Apperley JF, et al. **Transplantation** 1987 Jan;43(1):108–12

PHYSIOLOGY

Sequence reiteration required for the efficient growth of BK virus. Hara K, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2555–9

Cyclic AMP specifically blocks proliferation of rat 3T3 cells transformed by polyomavirus. Kamech N, et al. **J Virol** 1987 May;61(5):1546–51

Octyl-beta-D-glucopyranoside extracts polyomavirus receptor moieties from the surfaces of mouse kidney cells. Marriott SJ, et al. **J Virol** 1987 Feb;61(2):375–82

Cooperation of middle and small T antigens of polyomavirus in transformation of established fibroblast and epithelial-like cell lines. Noda T, et al. **J Virol** 1987 Jul; 61(7):2253–63

Polyomavirus middle T antigen downregulates junctional cell-to-cell communication. Azarnia R, et al. **Mol Cell Biol** 1987 Feb;7(2):946–50

Viral neurooncogenesis. Takakura K, et al. **Prog Exp Tumor Res** 1987;30:10–20

Evidence for a shift in 5'-termini of early viral RNA during the lytic cycle of JC virus. Khalili K, et al. **Virology** 1987 Jun;158(2):469–72

ULTRASTRUCTURE

Self-assembly of purified polyomavirus capsid protein VP1. Salunke DM, et al. **Cell** 1986 Sep 12;46(6):895–904

POLYOXYETHYLENES see **POLYETHYLENE GLYCOLS**

POLYPEPTIDES see **PEPTIDES**

POLYPHLORETIN PHOSPHATE see under **PHLORETIN**

POLYPHOSPHATES

ANALYSIS

Preparation of standards and determination of sizes of long-chain polyphosphates by gel electrophoresis. Clark JE, et al. **Anal Biochem** 1987 Mar;161(2):280–90

Metabolism and toxicity of 32P-orthophosphate and occurrence of polyphosphate in Entamoeba trophozoites. López-Revilla R, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:51–9

DIAGNOSTIC USE

Quantification of myocardial injury produced by temporary coronary artery occlusion and reflow with technetium-99m-pyrophosphate. Jansen DE, et al. **Circulation** 1987 Mar;75(3):611–7

Tin level requirements for multiple gated studies in humans: a new perspective. Karesh SM, et al. **Int J Rad Appl Instrum [B]** 1986;13(6):642–5

ISOLATION & PURIFICATION

Isolation of intact chains of polyphosphate from "Propionibacterium shermanii" grown on glucose or lactate. Clark JE, et al. **J Bacteriol** 1986 Dec;168(3):1212–9

METABOLISM

Identification of polyphosphate recognition sites communicating with actin sites on the skeletal myosin subfragment 1 heavy chain. Chaussepied P, et al. **Biochemistry** 1986 Oct 21;25(21):6426–32

Human hemoglobin cross-linked through the polyphosphate-binding site. Functional properties and evidence for conformers. Bellelli A, et al. **J Biol Chem** 1987 Feb 25;262(6):2624–9

The mechanism of utilization of polyphosphate by polyphosphate glucokinase from Propionibacterium shermanii. Pepin CA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5223–6

Polyphosphate kinase from Propionibacterium shermanii. Demonstration that polyphosphates are primers and determination of the size of the synthesized polyphosphate. Robinson NA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5216–22

PHARMACODYNAMICS

Factors affecting sensitivity of Staphylococcus aureus 196E to polyphosphates. Jen CM, et al. **Appl Environ Microbiol** 1986 Oct;52(4):842–6

Regeneration of the GTP-bound from the GDP-bound form of human and yeast ras proteins by nucleotide exchange. Stimulatory effect of organic and inorganic polyphosphates. De Vendittis E, et al. **Eur J Biochem** 1986 Dec 1;161(2):473–8

TOXICITY

[Characteristics of the toxic effect of cyclophos after continuous and intermittent exposure] Zhmin'ko PG. **Gig Sanit** 1986 Aug;(8):42–4 (Eng. Abstr.) **(Rus)**

[Toxicologic characteristics of cyclophos] Ershova EA, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):52–3 **(Rus)**

POLYPLOIDY

Long survival in a 69,XXY triploid male. Sherard J, et al. **Am J Med Genet** 1986 Oct;25(2):307–12

Sonographic features of the triploid fetus. Lockwood C, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):285–7

Triploidy with an extra sex chromosome (70,XXYY) and elevated alpha-fetoprotein levels. Meisner LF, et al. **Birth Defects** 1987;23(1):333–9

Angiotensin evokes in polyploid rat glioma cells hyperpolarization-depolarization responses and cross-desensitization with bradykinin. Höpp HP, et al. **Brain Res** 1987 May 26;412(1):175–8

Reproduction and the origin of polyploids in hybrid salamanders of the genus Ambystoma. Bogart JP, et al. **Can J Genet Cytol** 1986 Aug;28(4):605–17

Heterogeneity of DNA ploidy in patients with undifferentiated carcinomas of the stomach. Haraguchi M, et al. **Cancer** 1987 Mar 1;59(5):922–4

Tumor ploidy as a major prognostic factor in advanced ovarian cancer. Rodenburg CJ, et al. **Cancer** 1987 Jan 15; 59(2):317–23

Evidence for genetic predisposition for some nasopharyngeal cancers by in vitro hyperdiploidy in human dermal fibroblasts. Danes BS, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):261–70

Hypo- and hypertetraploidy in a case of erythroleukemia analyzed by fluorochrome banding techniques. Lambrou M, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):115–25

Another case of myelodysplastic syndrome with a chromosome mode in the tetraploid range. Pedersen B, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):175–8

Establishment of a novel acute monoblastic leukemia cell line (YK-M2) having a near-triploid karyotype. Ohno H, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6400–5

Chromosome organisation in polyploid mouse trophoblast nuclei. Bower DJ. **Chromosoma** 1987;95(1):76–80

Induction of polyploidy in cultures of neonatal rat aortic smooth muscle cells. Gordon D, et al. **Circ Res** 1986 Dec; 59(6):633–44

Catecholamine-induced polyploidization in vascular smooth muscle cells. Yamori Y, et al. **Circulation** 1987 Jan;75(1 Pt 2):I92–5

In vitro hyperdiploidy in dermal fibroblasts: evidence for genetic predisposition in aerodigestive tract cancer. Danes BS, et al. **Clin Genet** 1987 Jan;31(1):25–34

Tetraploidy with hydrops fetalis, cystic nuchal hygroma and 90, XX karyotype. Fryns JP, et al. **Clin Genet** 1987 Mar; 31(3):158–60

Hypertetraploid cells in vocal cord epithelia. Olofsson J, et al. **Clin Otolaryngol** 1986 Oct;11(5):345–51

Age-related polyploidization of hepatocytes: the cause and possible role. A mini-review. Medvedev ZA. **Exp Gerontol** 1986;21(4–5):277–82 (36 ref.)

Linkage relationships reflecting ancestral tetraploidy in salmonid fish. Johnson KR, et al. **Genetics** 1987 Aug; 116(4):579–91

Polyploidization and localisation of poly(A)+ RNA in the different cell types of the vitellogenic meroistic ovary of the fleshfly, Sarcophaga bullata. Cardoen J, et al. **Histochemistry** 1986;85(4):305–12

Hydatidiform mole: genetic origin in polyploid conceptuses. Vejerslev LO, et al. **Hum Genet** 1987 May;76(1):11–9

Chromosome analysis in polyploid human embryos. Michelmann HW, et al. **Hum Reprod** 1986 Jun;1(4):243–6

Inhibition of nuclear polyploidy by propranolol in aortic smooth muscle cells of hypertensive rats. Leitschuh M, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III106–9

Autopsy findings in two cases of liveborn triploidy (69XXX; 69XXY). Royston D, et al. **Ir J Med Sci** 1987 Mar; 156(3):101–3

Effect of tetraploidy on dendritic branching in neurons and glial cells of the frog, Xenopus laevis. Szaro BG, et al. **J Comp Neurol** 1987 Apr 8;258(2):304–16

BASIC programs to determine genotype structure of autopolyploid progeny populations. McElroy AR, et al. **J Hered** 1986 Nov-Dec;77(6):479

Polyploidization of aortic smooth muscle cells from hypertensive and genetically related normotensive rats. Rosen EM, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S109–11

The gametic algebra for polyploidy with several loci. Singh MK. **J Math Biol** 1987;24(6):723–7

Polyploid cells in blastocysts and early fetuses from Australian Merino sheep. Murray JD, et al. **J Reprod Fertil** 1986 Nov;78(2):439–46

Placental changes in fetal triploidy syndrome. Rubenstein JB, et al. **J Ultrasound Med** 1986 Oct;5(10):545–50

Paragonimus westermani: a comparative study on the migration route of the diploid and triploid types in the final hosts. Kanazawa T, et al. **Parasitol Res** 1987; 73(2):140–5

In vitro tetraploidy in patients with non-hereditary colorectal adenoma and carcinoma. Support for a genetic influence on the pathogenesis of colorectal carcinoma. Svendsen LB, et al. **Scand J Gastroenterol** 1987 Jan;22(1):106–10

In vitro tetraploidy in patients with ulcerative colitis. Svendsen LB, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):601–5

[Triploidy] Monrozies X, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):893–900 (37 ref.) (Eng. Abstr.) **(Fre)**

[Polyploidization of rat hepatocytes induced by x-ray radiation at different periods of the cell cycle] Gil'iano NIa, et al. **Radiobiologiia** 1987 May-Jun;27(3):375–7 (Eng. Abstr.) **(Rus)**

[Analysis of the polyploidization kinetics of the parenchymal cells in the rat liver] Kudriavtsev BN, et al. **Tsitologiia** 1986 Aug;28(8):828–36 (Eng. Abstr.) **(Rus)**

POLYPORACEAE see under **BASIDIOMYCETES**

POLYPOSIS COLI, FAMILIAL see **POLYPOSIS SYNDROME, FAMILIAL**

POLYPOSIS SYNDROME, FAMILIAL

Extracolonic manifestations of familial polyposis coli. Jagelman DG. **Cancer Genet Cytogenet** 1987 Aug; 27(2):319–25

Familial polyposis coli. Bülow S. **Dan Med Bull** 1987 Mar; 34(1):1–15 (133 ref.)

Hepatoblastoma in families with polyposis coli. Li FP, et al. **JAMA** 1987 May 8;257(18):2475–7

Familial polyposis coli. **Semin Surg Oncol** 1987;3(2):65–139

Activities of the Leeds Castle Polyposis Group. Northover JM. **Semin Surg Oncol** 1987;3(2):118–9

[Congenital familial adenomatosis] Soudek K, et al. **Rozhl Chir** 1987 Apr;66(4):269–77 (Eng. Abstr.) **(Cze)**

[Case report of familial juvenile polyposis of the stomach associated with gastrointestinal malignancy] Morimoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1376–81 **(Jpn)**

COMPLICATIONS

Dental anomalies in familial adenomatous polyposis coli. Søndergaard JO, et al. **Acta Odontol Scand** 1987 Feb; 45(1):61–3

Congenital hypertrophy of the retinal pigment epithelium and familial polyposis of the colon. Diaz Llopis M, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):235–6

Gardner's dento-maxillary stigmas in patients with familial adenomatosis coli. Wolf J, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):410–6

Adenomatous polyposis: an association with carcinoma of the thyroid. Plail RO, et al. **Br J Surg** 1987 May; 74(5):377–80

Cronkhite-Canada syndrome [letter] Li CP. **Dig Dis Sci** 1987 Jan;32(1):109

Occult radiopaque jaw lesions in familial adenomatous polyposis coli and hereditary nonpolyposis colorectal cancer. Offerhaus GJ, et al. **Gastroenterology** 1987 Sep; 93(3):490–7

Torre's syndrome in association with premalignant and malignant tumors and suspected familial polyposis. Maipang T, et al. **J Surg Oncol** 1987 Jun;35(2):104–6

Congenital hypertrophy of retinal pigment epithelium in non-Gardner's polyposis kindreds [letter] Lynch HT, et al. **Lancet** 1987 Aug 8;2(8554):333

Incidence of associated diseases in familial polyposis coli. Bülow S. **Semin Surg Oncol** 1987;3(2):84–7

Dental and bone abnormalities in patients with familial polyposis coli. Carl W, et al. **Semin Surg Oncol** 1987; 3(2):77–83

Extracolonic manifestations of familial polyposis coli. Jagelman DG. **Semin Surg Oncol** 1987;3(2):88–91

[Cronkhite-Canada syndrome] Venencie PY, et al. **Ann Dermatol Venereol** 1986;113(5):465–7 **(Fre)**

[Gastroduodenal and ileal adenomas in familial diffuse polyposis. Therapeutic prospectives] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1986 Oct-Dec;32(4):385–8 (Eng. Abstr.) **(Ita)**

[Single-stage procedure for peptic ulcer of the gastroenteroanastomosis and diffuse polyposis of the large intestine] Fedorov VD, et al. **Khirurgiia (Mosk)** 1987 May; (5):144–5 **(Rus)**

DIAGNOSIS

Solitary hamartomatous polyp of the duodenum in the absence of familial polyposis. Bott SJ, et al. **Am J Gastroenterol** 1986 Oct;81(10):993–4

Surveillance in relatives of patients with adenomatous polyposis. Berk T, et al. **Semin Surg Oncol** 1987;3(2):105–8 (27 ref.)

Genetic markers of colonic neoplasia. Wolman SR. **Semin Surg Oncol** 1987;3(2):120–5 (41 ref.)

[A typical clinical forms of familial polyposis of the large intestine] Szklanny J, et al. **Pol Tyg Lek** 1987 Apr 13; 42(15):443–5 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Possible association of specific HLA haplotype in a pedigree with familial polyposis coli. Nagatomo Y, et al. **Am J Gastroenterol** 1987 Sep;82(9):910–1

Familial polyposis coli and neurofibromatosis in the same patient: a family study. Lynch HT, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):245–51

Familial polyposis coli in childhood. Forbes D, et al. **Clin Invest Med** 1987 Jan;10(1):5–9

Turcot syndrome. Autosomal dominant or recessive transmission? Costa OL, et al. **Dis Colon Rectum** 1987 May; 30(5):391–4

Lack of association and linkage between HLA and familial polyposis coli. Sasaki M, et al. **Hum Genet** 1987 Sep; 77(1):36–9

Chromosome instability in cultured skin fibroblasts from patients with familial polyposis coli and Peutz-Jeghers' syndrome. Takai S, et al. **Jpn J Cancer Res** 1986 Aug; 77(8):759–66

Colon carcinoma K-ras 2 oncogene of a familial polyposis coli patient. Yuasa Y, et al. **Jpn J Cancer Res** 1986 Sep; 77(9):901–7

Localization of the gene for familial adenomatous polyposis on chromosome 5. Bodmer WF, et al. **Nature** 1987 Aug 13-19;328(6131):614–6

Chromosome 5 allele loss in human colorectal carcinomas. Solomon E, et al. **Nature** 1987 Aug 13-19;328(6131):616–9

Chromosomal abnormalities in patients with familial polyposis and colorectal cancer. Sandberg AA. **Semin Surg Oncol** 1987;3(2):133–6

[Adenomas and carcinomas of the small intestine in familial polyposis and Gardner syndrome--analysis of a literature survey] Sellner F. **Dtsch Z Verdau Stoffwechselkr** 1986; 46(5):287–93 (Eng. Abstr.) **(Ger)**

[Diffuse familial polyposis] Rosato L, et al. **Minerva Dietol Gastroenterol** 1986 Jul-Sep;32(3):229–32 (Eng. Abstr.) **(Ita)**

[Genetic factors involved in carcinogenesis] Sugio K, et al. **Tanpakushitsu Kakusan Koso** 1987 May;32(5):375–85 (69 ref.) **(Jpn)**

HISTORY

Historical developments in familial polyposis coli. Bussey HJ. **Semin Surg Oncol** 1987;3(2):67–70

IMMUNOLOGY

Human leukocyte antigens and sister chromatid exchanges in families with multiple adenomatosis coli. Illeni MT, et al. **Cancer Detect Prev** 1986;9(5–6):459–68

METABOLISM

Colorectal goblet cell mucins in familial adenomatous polyposis. Sugihara K, et al. **J Clin Pathol** 1987 Jun; 40(6):608–11

MORTALITY

Causes of death in patients with familial polyposis coli (FPC). Herrera-Ornelas L, et al. **Semin Surg Oncol** 1987; 3(2):109–17

OCCURRENCE

Family history of colorectal cancer as a marker of potential malignancy within a screening program. Rozen P, et al. **Cancer** 1987 Jul 15;60(2):248–54

Gastric and duodenal polyps in familial adenomatous polyposis: a prospective study of the nature and prevalence of upper gastrointestinal polyps. Sarre RG, et al. **Gut** 1987 Mar;28(3):306–14

[Registration of patients with colonic polyposis in Hungary (letter)] Czeizel E, et al. **Orv Hetil** 1987 Apr 26;128(17):913 **(Hun)**

[Gastrointestinal polyposis and hereditary large bowel cancer] Miki Y, et al. **Gan No Rinsho** 1987 Apr;33(5 Suppl):489–94 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

A pathological study on colorectal cancer. From de novo carcinoma to advanced carcinoma. Ikegami M. **Acta Pathol Jpn** 1987 Jan;37(1):21–37

Hereditary gastrointestinal polyposis syndromes. Haggitt RC, et al. **Am J Surg Pathol** 1986 Dec;10(12):871–87 (166 ref.)

Upper gastrointestinal neoplasia in familial polyposis. Kurtz RC, et al. **Dig Dis Sci** 1987 May;32(5):459–65

Gastroduodenal polyps in familial adenomatous and juvenile polyposis. Järvinen HJ, et al. **Endoscopy** 1986 Nov; 18(6):230–4

Juvenile polyps with cachexia. Report of an infant and comparison with Cronkhite–Canada syndrome in adults. Ruymann FB. **Gastroenterology** 1969 Oct;57(4):431–8

Mixed familial polyposis syndromes. Sarles JC, et al. **Int J Color Dis** 1987 Jun;2(2):96–9

Multiple adenomatous polyps arising in a continent reservoir ileostomy. Stryker SJ, et al. **Int J Color Dis** 1987 Feb; 2(1):43–5

Histochemistry of small intestinal dysplasia in familial polyposis coli. Romagnoli P, et al. **Virchows Arch [B]** 1986; 52(2):117–28

PSYCHOLOGY

Psychosocial adjustment of familial polyposis patients and participation in a chemoprevention trial. Miller HH, et al. **Int J Psychiatry Med** 1986–87;16(3):211–30

Counseling families with hereditary gastrointestinal polyposis syndromes. Krush AJ. **Semin Surg Oncol** 1987;3(2):137–9

RADIOGRAPHY

Cowden's disease: a case report and literature review. Chen YM, et al. **Gastrointest Radiol** 1987;12(4):325–9 (41 ref.)

Adenomatous polyposis arising after the age of 53. Law NW, et al. **J R Soc Med** 1987 Jun;80(6):383–4

Familial gastrointestinal polyposis: current considerations. Cirillo LC, et al. **Rays** 1986 May–Aug;11(2):53–60

[Familial polyposis of colon (a study of 31 cases in 8 families)] Geng JH. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec; 20(6):350–2 (Eng. Abstr.) **(Chi)**

SURGERY

Surgical treatment of familial polyposis. The ileal reservoir/anal pull-through. Fox V. **AORN J** 1987 Sep; 46(3):419–40

Restorative proctocolectomy: the four loop (W) reservoir. Nicholls RJ, et al. **Br J Surg** 1987 Jul;74(7):564–6

Physiology of ileoanal anastomosis with ileal reservoir for ulcerative colitis and adenomatosis coli. Fiorentini MT, et al. **Dis Colon Rectum** 1987 Apr;30(4):267–72

Metabolic changes during the defunctionalized stage after ileal pouch–anal anastomosis. Max E, et al. **Dis Colon Rectum** 1987 Jul;30(7):508–12

Restorative proctocolectomy with ileal reservoir. Dozois RR, et al. **Int J Color Dis** 1986 Jan;1(1):2–19

Role of ileorectal anastomosis in the treatment of ulcerative colitis and familial polyposis. Romano G, et al. **Ital J Surg Sci** 1987;17(2):135–40

Surgical alternatives in the treatment of polyposis coli. Welling DR, et al. **Semin Surg Oncol** 1987;3(2):99–104

Colectomy with ileorectal anastomosis for familial adenomatous polyposis: the risk of rectal cancer. Sarre RG, et al. **Surgery** 1987 Jan;101(1):20–6

[Intestinal polyposis] Zhang SQ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):400, 445 (Eng. Abstr.) **(Chi)**

[Syndrome shift following resection of a pathologic intestine and construction of an anus praeter: a comparison of ulcerative colitis, Crohn disease, rectal cancer and familial polyposis] Klussmann R, et al. **Zentralbl Chir** 1987; 112(5):273–9 (Eng. Abstr.) **(Ger)**

[Analysis of the treatment of familial polyposis of the large intestine (1962–1985)] Szklanny J, et al. **Pol Tyg Lek** 1987 Apr 13;42(15):431–4 (Eng. Abstr.) **(Pol)**

[Diffuse polyposis of the large intestine with polycystosis of the liver and kidneys] Gusev VI, et al. **Vestn Khir** 1987 Apr;138(4):61–2 **(Rus)**

[Preventive surgery in familial colonic polyposis] Checa Ceballos J, et al. **Rev Esp Enferm Apar Dig** 1987 Jul; 72(1):76–84 (Eng. Abstr.) **(Spa)**

[Proctocolectomy with an ileal reservoir and ileo–anal anastomosis for familial polyposis and ulcerative colitis] Del Rio Fernández JM, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):395–400 (Eng. Abstr.) **(Spa)**

THERAPY

[The efficacy of temporary retention chemotherapy of the treatment of polyps in the remnant rectum of familial polyposis after total colectomy and ileorectostomy—a case report] Koyama S, et al. **Gan To Kagaku Ryoho** 1987 Apr; 14(4):1111–5 (Eng. Abstr.) **(Jpn)**

POLYPROPYLENES see under **PLASTICS**

POLYPS

COMPLICATIONS

Median cleft of the upper lip associated with lipomas of the central nervous system and cutaneous polyps. Pai GS, et al. **Am J Med Genet** 1987 Apr;26(4):921–4

Tubo–cornual polyps: their relevance in subfertility. Glazener CM, et al. **Hum Reprod** 1987 Jan;2(1):59–62

Ureteral intussusception owing to a malignant ureteral polyp. Moretti KL, et al. **J Urol** 1987 Mar;137(3):493–4

Primary multiple colonic carcinoma. Frass M, et al. **Oncology** 1986;43(5):295–8

[Inflammatory esophageal polyp and Barrett's esophagus in a young girl with caudal regression syndrome] González-Ripoll Garzón M, et al. **An Esp Pediatr** 1986 Oct;25(4):295–6 **(Spa)**

CONGENITAL

Congenital urethral polyp. Caro PA, et al. **AJR** 1986 Nov; 147(5):1041–2

A case of neonatal gastric hamartomatous polyp. Patiroğlu T, et al. **Turk J Pediatr** 1986 Oct–Dec;28(4):249–54

[Congenital polyp of the prostatic urethra with hydro-ureter in an infant] Danielli L, et al. **Harefuah** 1986 Dec 15; 111(12):426–7 (Eng. Abstr.) **(Heb)**

[Congenital polyps of the posterior urethra in children. Review of the literature and observations on 2 clinical cases] Laurenti C, et al. **Minerva Urol Nefrol** 1987 Apr–Jun; 39(2):107–12 (Eng. Abstr.) **(Ita)**

[Congenital polyps of the urethra in boys] Gomula A, et al. **Pediatr Pol** 1986 Nov;61(11):725–8 **(Pol)**

DIAGNOSIS

Gardner's syndrome with gastric and ileal polyposis. Case report. Rutegård J, et al. **Acta Chir Scand** 1987 Apr; 153(4):315–6

Gallstones simulating polyps sonographically: a report of two cases. Machi J, et al. **J Ultrasound Med** 1986 Oct; 5(10):597–600

[Diagnostic value of ultrasound in cases of minute tumors in the gallbladder] Chen MH. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):27–30 **(Chi)**

[Incomplete uterine inversion in the late puerperium in placental polyp] Hübscher B. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):475–6 (Eng. Abstr.) **(Ger)**

[Large adenoma of the gallbladder] Brambs HJ, et al. **ROFO** 1986 Oct;145(4):475–7 **(Ger)**

[Double-contrast gastrography and gastroscopy in the diagnosis of gastric polyps. Personal experience] Biscarini R, et al. **Radiol Med (Torino)** 1986 Sep;72(9):640–2 (Eng. Abstr.) **(Ita)**

[A case of inflammatory bronchial polyp] Kawano M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):698–702 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of polyps of the cervix uteri] Berliński B, et al. **Wiad Lek** 1986 Jul 1;39(13):880–3 (Eng. Abstr.) **(Pol)**

[Clinico-diagnostic features of early stomach cancer] Utkin VV, et al. **Sov Med** 1986;(11):74–6 **(Rus)**

[Diagnostic value of combined endoscopic examination of the stomach and small intestine] Kirillov VA, et al. **Voen Med Zh** 1987 Apr;(4):43–5 **(Rus)**

ENZYMOLOGY

Enzyme activities in human gastric cancer and polyps. Odegaard S, et al. **Scand J Gastroenterol** 1986 Dec; 21(10):1250–6

ETIOLOGY

[Polyposis of the nasal cavity and sinuses] Roessler F, et al. **Schweiz Med Wochenschr** 1987 Feb 7;117(6):209–16 (Eng. Abstr.) **(Ger)**

[Role of gastrin in the pathogenesis of gastric polyposis] Vinnitskiĭ LI, et al. **Sov Med** 1986;(9):9–13 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Naso-sinusal polyps and IgE-dependent allergic phenomena] Marzari R, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):525–31 (Eng. Abstr.) **(Ita)**

[Carcinoembryonic antigen (CEA) in digestive tract polyps] Rosandić-Pilaš M, et al. **Lijec Vjesn** 1987 Apr–May; 109(4–5):126–30 (Eng. Abstr.) **(Scr)**

OCCURRENCE

Gastric and duodenal polyps in familial adenomatous polyposis: a prospective study of the nature and prevalence of upper gastrointestinal polyps. Sarre RG, et al. **Gut** 1987 Mar;28(3):306–14

PARASITOLOGY

Otic infection due to Pneumocystis carinii in an apparently healthy man with antibody to the human immunodeficiency virus. Schinella RA, et al. **Ann Intern Med** 1987 Mar; 106(3):399–400

PATHOLOGY

Metaplastic bone formation in a hyperplastic polyp of the stomach: a case report. Ohtsuki Y, et al. **Acta Med Okayama** 1987 Feb;41(1):43–6

The histopathology of fundic gland polyps of the stomach. Lee RG, et al. **Am J Clin Pathol** 1986 Oct;86(4):498–503

Solitary hamartomatous polyp of the duodenum in the absence of familial polyposis. Bott SJ, et al. **Am J Gastroenterol** 1986 Oct;81(10):993–4

Giant fibrous polyp of the lower end of the ureter: case report and review of the literature. Sharma SK, et al. **Aust NZ J Surg** 1978 Dec;48(6):647–9

Bronchial papillomas of various origins. Barzó P, et al. **Chest** 1987 Jul;92(1):132–6

Spontaneous expulsion of decidualized pseudopolyps in pregnant women with uterine malformation. Gangemi O, et al. **Clin Exp Obstet Gynecol** 1987;14(2):113–5

Upper gastrointestinal neoplasia in familial polyposis. Kurtz RC, et al. **Dig Dis Sci** 1987 May;32(5):459–65

Carcinoma and polyps of the gallbladder associated with Peutz-Jeghers syndrome. Wada K, et al. **Dig Dis Sci** 1987 Aug;32(8):943–6

Isolated abdominal wound recurrence of an endometrial adenocarcinoma confined to a polyp. Barter JF, et al. **Gynecol Oncol** 1986 Nov;25(3):372–5

Prostatic-type polyps of the lower urinary tract: three histogenetic types? Chan JK, et al. **Histopathology** 1987 Aug;11(8):789–801

Villous adenoma presenting as a vaginal polyp in a rectovaginal tract. Ciano PS, et al. **Hum Pathol** 1987 Aug; 18(8):863–6

Polyps of the colon in juvenile and young patients: histological type and C.E.A. content in relation to follow-up. Arrabito G, et al. **Ital J Surg Sci** 1987; 17(1):37–40

Life-threatening laryngeal polyp in a child (a case report). Juhlin-Dannfelt M, et al. **J Laryngol Otol** 1987 Mar; 101(3):293–5

Juvenile gastrointestinal polyposis or the infantile Cronkhite-Canada syndrome. Scharf GM, et al. **J Pediatr Surg** 1986 Nov;21(11):953–4

Solitary polypoid hamartoma of the oxyntic mucosa of the stomach. Carfagna G, et al. **Pathol Res Pract** 1987 Jun; 182(3):326–30

Mucosal hyperplastic polyps of the stomach. Do they have any potential to malignancy? Davaris P, et al. **Pathol Res Pract** 1986 Aug;181(4):385–9

Benign prostatic epithelial polyp of urethra. Tokunaga S, et al. **Urology** 1987 Jan;29(1):73–5

[Giant endocervical polyp of the cervix uteri] Patanov N, et al. **Akush Ginekol (Sofiia)** 1987;26(1):72–4 (Eng. Abstr.) **(Bul)**

[Giant fibrovascular polyp of the esophagus] Eyskens E. **Acta Chir Belg** 1986 Jul–Aug;86(4):228–30 (Eng. Abstr.) **(Dut)**

[Glandulo-cystic polyps of the stomach. Apropos of 12 cases and review of the literature] Justrabo E, et al. **Ann Pathol** 1987;7(2):106–12 (Eng. Abstr.) **(Fre)**

[Is vesicular cholesterolosis a particular anatomo-clinical form of cholesterol lithiasis? Apropos of a case of cholesterol polyp manifested by an acute complication] Palot JP, et al. **J Chir (Paris)** 1986 Aug–Sep; 123(8–9):467–71 (Eng. Abstr.) **(Fre)**

[Fibrovascular esophageal polyp] Heinemann M, et al. **Med Klin** 1986 Apr 11;81(8):299–300 **(Ger)**

[Gastric polyps and their relations with gastric carcinoma] Sleyster TJ, et al. **ROFO** 1986 Dec;145(6):678–80 (Eng. Abstr.) **(Ger)**

[Concurrent appearance of stomach polyposis and hepatocellular carcinoma] Mölleken K. **Zentralbl Allg Pathol** 1987;133(2):155–61 (Eng. Abstr.) **(Ger)**

[Collective review of 503 cases of small polypoid lesions (less than 20mm in maximum diameter) of the gallbladder: size distribution in various diseases and the depth of carcinomatous invasion] **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2086–7 **(Jpn)**

[Dysplastic and neoplastic changes in polyps of the cervix

and coexistence of endometrial cancer with polyps of the cervix] Knopiński S, et al. **Ginekol Pol** 1986 May; 57(5):362–6 (Eng. Abstr.) **(Pol)**

[Histoclinical evaluation of cervical polyps] Gustowski A, et al. **Wiad Lek** 1986 Aug 15;39(16):1095–100 (Eng. Abstr.) **(Pol)**

[Endocrine cell tumor (apudoma) within a polyp in the cervical canal] Serezhin BS, et al. **Arkh Patol** 1986; 48(9):64–6 (Eng. Abstr.) **(Rus)**

[Malignization of gastric polyps] Belous TA, et al. **Sov Med** 1986;(11):40–6 (79 ref.) **(Rus)**

RADIOGRAPHY

[Double contrast roentgenographic manifestations of gastric polyp] Cheng YD. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):347–9 (Eng. Abstr.) **(Chi)**

[Gastrointestinal polyposis in the Cowden syndrome] Kullnig P, et al. **Radiologe** 1987 May;27(5):232–4 (Eng. Abstr.) **(Ger)**

[Role of current large-film fluorography in the improved diagnosis of gastric polyps in mass screening of the population] Portnoĭ LM, et al. **Ter Arkh** 1987;59(2):72–5 (Eng. Abstr.) **(Rus)**

SURGERY

Gardner's syndrome with gastric and ileal polyposis. Case report. Rutegård J, et al. **Acta Chir Scand** 1987 Apr; 153(4):315–6

Comparison of surgical techniques in the treatment of laryngeal polypoid degeneration [published erratum appears in Ann Otol Rhinol Laryngol 1987 Jul–Aug;96(4):386] Lumpkin SM, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):254–7

Gastric submucosal neoplasms: new diagnostic and therapeutic procedures. Crosta C, et al. **Ital J Surg Sci** 1987;17(2):131–4

Polypoid lesions of the gallbladder. Muto Y, et al. **Ital J Surg Sci** 1987;17(2):171–8

Ectopic gastric mucosa in the lower esophagus, presenting as a sessile polyp. Nuytinck JK, et al. **Neth J Surg** 1986 Dec;38(6):175–6

[Immediate and late results following gastroscopic polypectomy] Popov P, et al. **Vutr Boles** 1986;25(5):41–2 **(Bul)**

[Spheno-ethmoidectomy in recurrent nasal polyposis. Technic, indications, results] Goubert JL, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):103–9 (Eng. Abstr.) **(Fre)**

[Relations between stomach polyps and stomach cancer—results of follow-up after endoscopic polypectomy] Eichhorn K, et al. **Z Gesamte Inn Med** 1986 Aug 1;41(15):433–5 (Eng. Abstr.) **(Ger)**

[Gastric polyps. Considerations on 162 endoscopic polypectomies] De Masi E, et al. **Minerva Chir** 1987 Jun 30;42(12):1067–72 (Eng. Abstr.) **(Ita)**

[Treatment of early gastric cancer by endoscopic double snare polypectomy (EDSP)] Takekoshi T, et al. **Gan No Rinsho** 1986 Aug;32(10):1185–90 (Eng. Abstr.) **(Jpn)**

[Polyps and polyposis, initially benign gastric tumors] Strat V, et al. **Rev Chir [Chir]** 1987 Mar–Apr;36(2):111–8 (Eng. Abstr.) **(Rum)**

[Dispensary observation of patients with polyposis of the upper segment of the digestive tract] Lutsevich EV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):55–9 (Eng. Abstr.) **(Rus)**

[Motor-evacuatory function of the stomach after pylorus-sparing surgery] Naumov VF. **Khirurgiia (Mosk)** 1987 May;(5):122–6 **(Rus)**

[Recurrence of gastric polyps in relation to the methods of their endoscopic removal] Sinev IuV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):49–52 (Eng. Abstr.) **(Rus)**

[Use of laser radiation in the endoscopic removal of polyps of the stomach and large intestine] Stakhanov ML, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):52–5 (Eng. Abstr.) **(Rus)**

[Subtotal repeated resection of the stomach and right-sided hemicolectomy in primary-multiple synchronous cancer] Kirillov MIu, et al. **Klin Khir** 1987;(5):42–3 **(Rus)**

[Surgical tactics in gastric polyps in patients with diffuse polyposis of the large intestine] Nikitin AM, et al. **Vestn Khir** 1986 Aug;137(8):43–6 (Eng. Abstr.) **(Rus)**

[Endoscopic polypectomy] Bagmet II, et al. **Voen Med Zh** 1986 Oct;(10):53–5 **(Rus)**

[Optimization of the treatment of patients with malignant polyps of the cervix uteri] Charkviani LI, et al. **Vopr Onkol** 1987;33(7):95–8 (Eng. Abstr.) **(Rus)**

[Therapy of polyposis of the nasoethmoidal region using intranasal ethmoidectomy] Tričković P, et al. **Med Pregl** 1986;39(7–8):317–21 (Eng. Abstr.) **(Scr)**

[Primary hypothyroidism in the adult and anesthesia: apropos of a case (letter)] Hernández Palazón J, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):279–80 **(Spa)**

VETERINARY

Spontaneous endometrial tumours of 'Sabra' rats. Mor N, et al. **Lab Anim** 1986 Oct;20(4):316–20

POLYRADICULITIS

COMPLICATIONS

Benign transient urinary retention. Herbaut AG, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):354–5

Polyradiculoneuropathy, polyradiculitis, and CMV in AIDS and ARC [letter] Lipkin WI, et al. **Neurology** 1987 May; 37(5):888

[Bradyarrhythmia in a patient with acute polyradiculitis] Sidén A, et al. **Lakartidningen** 1986 Sep 24;83(39):3268 **(Swe)**

DIAGNOSIS

Argyll Robertson pupils in lymphocytic meningoradiculitis (Bannwarth's syndrome) [letter] Koudstaal PJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):363–5

Cervical radiculopathy: value of oblique MR imaging. Modic MT, et al. **Radiology** 1987 Apr;163(1):227–31

ETIOLOGY

Tick-bite meningoradiculoneuritis: clinical, electrophysiologic, and histologic findings in 10 cases. Vallat JM, et al. **Neurology** 1987 May;37(5):749–53

IMMUNOLOGY

Immunoglobulin abnormalities in cerebrospinal fluid and blood over the course of lymphocytic meningoradiculitis (Bannwarth's syndrome). Henriksson A, et al. **Ann Neurol** 1986 Sep;20(3):337–45

PHYSIOPATHOLOGY

[The blink reflex and stimulus detection by the facial nerve in 50 cases of Guillain-Barré polyradiculitis] Neau JP, et al. **Acta Neurol Belg** 1987 Jan–Feb;87(1):12–9 (Eng. Abstr.) **(Fre)**

THERAPY

Improvement in chronic inflammatory demyelinating polyradiculoneuropathy following gamma-globulin infusion [letter] van Doorn PA, et al. **Arch Neurol** 1987 Sep;44(9):897–8

POLYRADICULONEURITIS

Prognosis in Guillain-Barré syndrome. Briscoe DM, et al. **Arch Dis Child** 1987 Jul;62(7):733–5

BLOOD

Demyelination in vivo by Guillain-Barré syndrome and other human serum. Brown MJ, et al. **Muscle Nerve** 1987 Mar–Apr;10(3):263–71

[Biological abnormalities in the initial stage of Guillain-Barré syndrome] Resimont S, et al. **Rev Med Brux** 1987 Jan; 8(1):3–9 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Guillain-Barré syndrome: activated complement components C3a and C5a in CSF. Hartung HP, et al. **Neurology** 1987 Jun;37(6):1006–9

CHEMICALLY INDUCED

"Chorée fibrillaire de Morvan" followed by Guillain-Barré syndrome in a patient receiving gold therapy [letter] Vernay D, et al. **Arthritis Rheum** 1986 Nov;29(11):1413–4

Acute polyradiculoneuropathy after amitriptyline overdose. Leys D, et al. **Br Med J [Clin Res]** 1987 Mar 7; 294(6572):608

Guillain-Barré syndrome after streptokinase therapy [letter] Cicale MJ. **South Med J** 1987 Aug;80(8):1068

COMPLICATIONS

Membranous glomerulopathy associated with Landry-Guillian-Barre syndrome [letter] Haslitt J. **Am J Kidney Dis** 1987 May;9(5):445

Membranous glomerulonephritis and Landry-Guillain-Barre syndrome. Murphy BF, et al. **Am J Kidney Dis** 1986 Oct; 8(4):267–70

Chronic inflammatory polyradiculoneuropathy with ophthalmoplegia. Chalmers AC, et al. **J Clin Neuro Ophthalmol** 1986 Sep;6(3):166–8

Acute Guillain-Barré syndrome in multiple sclerosis [letter] Sanders EA, et al. **J Neurol** 1987 Feb;234(2):128

Guillain-Barré syndrome [letter] Davidson GP, et al. **Med J Aust** 1987 Apr 6;146(7):401

Polyradiculoneuropathy, polyradiculitis, and CMV in AIDS and ARC [letter] Lipkin WI, et al. **Neurology** 1987 May; 37(5):888

Guillain-Barré syndrome as an early manifestation of HIV central nervous system infection. Hagberg L, et al. **Scand J Infect Dis** 1986;18(6):591–2

[Serous otitis media (letter)] **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):415 **(Dut)**

[Dysautonomia at 2 times in Guillain-Barré syndrome] Guidon C, et al. **Ann Fr Anesth Reanim** 1986;5(4):447–9 (Eng. Abstr.) **(Fre)**

[Crow-Fukase syndrome (POEMS syndrome) and osseous mastocytosis secondary to Castleman's angiofollicular lymphoid hyperplasia] Lapresle J, et al. **Rev Neurol (Paris)** 1986;142(10):731–7 (Eng. Abstr.) **(Fre)**

[Polymyositis with polyradiculoneuritis] Zouiten F, et al. **Tunis Med** 1987 Jan;65(1):57–60 (Eng. Abstr.) **(Fre)**

[A case of polyradiculoneuropathy associated with diffuse arterial narrowing] Futami K, et al. **No To Shinkei** 1986 Aug;38(8):753–7 (Eng. Abstr.) **(Jpn)**

[An outbreak of Guillain-Barré syndrome with ophthalmoplegia in Kochi] Kashihara K, et al. **Rinsho Shinkeigaku** 1987 Mar;27(3):305–9 (Eng. Abstr.) **(Jpn)**

[Inadequate secretion of antidiuretic hormone associated with Guillain-Barré syndrome] Monforte R, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):551–2 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Unusual clinical variants and signs in Guillain-Barré syndrome. Ropper AH. **Arch Neurol** 1986 Nov; 43(11):1150–2

Demyelinating optic neuropathy with Miller-Fisher syndrome. The case for overlap syndromes with central and peripheral demyelination. Toshniwal P. **J Neurol** 1987 Jun;234(5):353–8

Botulism and Guillain-Barré syndrome [letter] van Nes JJ. **Lancet** 1987 May 2;1(8540):1033

Campylobacter jejuni/Campylobacter coli-associated Guillain-Barré syndrome. Immunoblot confirmation of the serological response. Speed BR, et al. **Med J Aust** 1987 Jul 6;147(1):13–6

Acute arsenic intoxication presenting as Guillain-Barré-like syndrome. Donofrio PD, et al. **Muscle Nerve** 1987 Feb; 10(2):114–20

Electrophysiologic evidence of severe distal nerve segment pathology in the Guillain-Barré syndrome. Miller RG, et al. **Muscle Nerve** 1987 Jul–Aug;10(6):524–9

MRI in Miller Fisher variant of Guillain-Barré syndrome. Landau WM, et al. **Neurology** 1987 Aug;37(8):1431

[Clinical characteristics of acute infectious polyradiculoneuritis in children] Xie XK. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Jun; 19(3):149–51 (Eng. Abstr.) **(Chi)**

[Polyradiculoneuritis and pregnancy. Apropos of 1 case] Marsepoil T, et al. **Rev Fr Gynecol Obstet** 1987 Jun; 82(6):435–7 (Eng. Abstr.) **(Fre)**

[The Landry-Guillain-Barré syndrome. Study of prognostic factors in 223 cases] Raphael JC, et al. **Rev Neurol (Paris)** 1986;142(6–7):613–24 (Eng. Abstr.) **(Fre)**

[Importance of total and stimulated electromyography in detecting mild forms of polyradiculoneuritis and their differential diagnosis from mild forms of poliomyelitis] Fomin VV, et al. **Pediatriia** 1987;(3):34–7 (Eng. Abstr.) **(Rus)**

[Guillain-Barré infectious-allergic polyradiculoneuritis in young people] Komandenko NI, et al. **Voen Med Zh** 1986 Oct;(10):30–2 **(Rus)**

DRUG THERAPY

Epidural morphine treatment of pain in Guillain-Barré syndrome. Rosenfeld B, et al. **Arch Neurol** 1986 Nov; 43(11):1194–6

Chronic nephrotoxicity complicating cyclosporine treatment of chronic inflammatory demyelinating polyradiculoneuropathy. Kolkin S, et al. **Neurology** 1987 Jan;37(1):147–9

[The use of corticosteroids in Guillain-Barré syndrome: study of 51 cases] Dias-Tosta E, et al. **Arq Neuropsiquiatr** 1986 Jun;44(2):117–24 (Eng. Abstr.) **(Por)**

[Comparative study between the use and the non-use of steroids in Guillain-Barré syndrome] Naylor CG, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):359–63 (Eng. Abstr.) **(Por)**

ETIOLOGY

Encephalomyeloradiculoneuritis following measles. Kumar N, et al. **Acta Neurol (Napoli)** 1987 Feb;9(1):44–7

Guillain-Barré syndrome following coronary artery bypass surgery. Renlund DG, et al. **Am Heart J** 1987 Mar; 113(3):844–5

Guillain-Barré syndrome complicating typhoid fever [letter] Berger JR, et al. **Ann Neurol** 1986 Nov;20(5):649–50

Sporadic non-A, non-B hepatitis and Epstein-Barr hepatitis associated with the Guillain-Barré syndrome. Macleod WN. **Arch Neurol** 1987 Apr;44(4):438–42

Guillain-Barré syndrome after myocardial infarction. McDonagh AJ, et al. **Br Med J [Clin Res]** 1987 Mar 7; 294(6572):613–4

Systemic lupus erythematosus presenting with recurrent acute demyelinating polyneuropathy. Millette TJ, et al. **Eur Neurol** 1986;25(6):397–402

Guillain Barre syndrome following acute infective hepatitis. Tandon R, et al. **J Assoc Physicians India** 1986 Jun; 34(6):444–5

Guillain-Barré syndrome and other neurologic syndromes in hepatitis A, B, and non-A, non-B. Tabor E. **J Med Virol** 1987 Mar;21(3):207–16 (75 ref.)

Guillain-Barré syndrome associated with Campylobacter enteritis in a child. De Bont B, et al. **J Pediatr** 1986 Oct; 109(4):660–2

Peripheral neuropathy and hyperthermia [letter] Adam AM,

et al. **Lancet** 1987 May 30;1(8544):1270–1
Cytomegalovirus polyradiculoneuropathy in acquired immune deficiency syndrome. Behar R, et al. **Neurology** 1987 Apr;37(4):557–61
Risk factors for Guillain–Barré syndrome. Kaslow RA, et al. **Neurology** 1987 Apr;37(4):685–8
Ocular myasthenia gravis and chronic inflammatory polyradiculoneuropathy. Weinreb H, et al. **NY State J Med** 1986 Aug;86(8):439–42
Guillain–Barré syndrome in kappa light chain myeloma. Mactier RA, et al. **South Med J** 1987 Aug;80(8):1054–5
Guillain–Barré syndrome after vaccination with purified tetanus toxoid. Newton N Jr, et al. **South Med J** 1987 Aug; 80(8):1053–4
[Sudden onset polyradiculoneuritis in a patient with chronic renal failure (letter)] Eugene M, et al. **Presse Med** 1986 Oct 18;15(36):1831 **(Fre)**
[Fatal meningoradiculoneuritis in Lyme disease (letter)] Melet M, et al. **Presse Med** 1986 Nov 22;15(41):2075 **(Fre)**
[Polyradiculoneuritis of the cranial nerves in acquired immunodeficiency syndrome (letter)] Pialoux G, et al. **Presse Med** 1987 May 23;16(19):967 **(Fre)**
[Diagnosis and treatment of Borrelia burgdorferi infections in France. Apropos of 3 cases of Lyme disease of neurological form] Ruel M, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):55–8 **(Fre)**
[Polyradiculoneuritis in a solitary secreting plasmacytoma] Ben Salem N, et al. **Tunis Med** 1986 Aug–Sep; 64(8–9):749–50 (Eng. Abstr.) **(Fre)**
[Polyradicular neuritis following Hymenoptera stings. A clinical case with successful outcome] Pacini P, et al. **Minerva Anestesiol** 1986 Aug–Sep;52(8–9):289–92 (Eng. Abstr.) **(Ita)**
[A case of acute polyradiculoneuritis with adenovirus-induced conjunctivitis] Tanaka H, et al. **Rinsho Shinkeigaku** 1986 Sep;26(9):948–51 (Eng. Abstr.) **(Jpn)**
[Guillain-Barré syndrome in chronic active viral (HBsAg-positive) hepatitis] Guseinova LA, et al. **Klin Med (Mosk)** 1986 Oct;64(10):133–5 **(Rus)**
[Ascending polyradiculoneuritis in viral hepatitis in children] Zhuk KI, et al. **Pediatriia** 1987;(4):96 **(Rus)**
[Discovery of a possible connection between vaccination with inactivated chromatographic influenza vaccine and the development of the Guillain–Barré syndrome] Gurtovoĭ MI. **Tr Inst Pastera** 1985;63:78–81 **(Rus)**

HISTORY

Wardrop–Landry–Guillain–Barré–Strohl [letter] Cosnett JE. **Lancet** 1987 Apr 11;1(8537):861–2

IMMUNOLOGY

Cytotoxic response of serum from patients with chronic inflammatory demyelinating polyradiculoneuropathy (CIDP). Armati PJ, et al. **Acta Neurol Scand** 1987 Jul; 76(1):24–7
Serum antibodies to HTLV-I in human demyelinating disease. Epstein L, et al. **Acta Neurol Scand** 1987 Apr; 75(4):231–3
The CSF IgG from patients with Guillain–Barré syndrome [letter] Segurado OG. **Acta Neurol Scand** 1987 Apr; 75(4):283–4
Class II antigen expression and inflammatory cells in the Guillain–Barré syndrome. Pollard JD, et al. **Ann Neurol** 1987 Apr;21(4):337–41
Antibody to sialosyllactosaminylparagloboside in a patient with IgM paraproteinemia and polyradiculoneuropathy. Miyatani N, et al. **J Neuroimmunol** 1987 Mar;14(2):189–96
Guillain–Barré syndrome associated with seroconversion for anti-HTLV-III [letter] Vendrell J, et al. **Neurology** 1987 Mar;37(3):544
[Herpes simplex virus and Guillain–Barré syndrome in a child] Gedalia A, et al. **Harefuah** 1987 Feb 1;112(3):125–7 (Eng. Abstr.) **(Heb)**
[Immunological study on demyelinating peripheral neuropathy. Comparison between experimental allergic neuritis and Guillain–Barré syndrome] Negishi T. **Rinsho Shinkeigaku** 1986 Sep;26(9):891–8 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Inflammatory sensory polyradiculopathy and reactivated peripheral nervous system infection in a genital herpes model. Martin JR, et al. **J Neurol Sci** 1987 Jun; 79(1–2):155–71

MORTALITY

Prognosis in severe Guillain–Barré syndrome. Cole GF, et al. **Arch Dis Child** 1987 Mar;62(3):288–91

OCCURRENCE

Guillain–Barré syndrome in Western Australia, 1980–1985. Hankey GJ. **Med J Aust** 1987 Feb 2;146(3):130–3
Guillain–Barré syndrome [editorial] Sutherland JM. **Med J Aust** 1987 Feb 2;146(3):122–3

PATHOLOGY

Relapsing inflammatory demyelinating polyneuropathy in a diabetic patient. Vital C, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):94–9
An acute axonal form of Guillain–Barré polyneuropathy. Feasby TE, et al. **Brain** 1986 Dec;109 (Pt 6):1115–26
Guillain–Barré syndrome: an ultrastructural study of peripheral nerve in 65 patients. Brechenmacher C, et al. **Clin Neuropathol** 1987 Jan–Feb;6(1):19–24
Brainstem involvement in GBS? [letter] Al-Din AS, et al. **Neurology** 1987 May;37(5):891
Acute "axonal" Guillain–Barré polyneuropathy [letter]Feasby TE, et al. **Neurology** 1987 Feb;37(2):357
Evidence for central nervous system demyelination in chronic inflammatory demyelinating polyradiculoneuropathy. Mendell JR, et al. **Neurology** 1987 Aug;37(8):1291–4
[Clinical and pathological manifestations of a case of parotitis complicated by Guillain–Barré syndrome] Song FS, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):251–3 (Eng. Abstr.) **(Chi)**
[Encephalitis with isolated pupillary disorder and ganglioradiculo–neuropathy with ascending degeneration of the posterior column in bronchial cancer] Martin P, et al. **Nervenarzt** 1987 Mar;58(3):175–80 **(Ger)**
[Systemic lupus erythematosus and ascending motor paralysis (clinical conference)] **Medicina (B Aires)** 1985;45(2):175–82 **(Spa)**

PHYSIOPATHOLOGY

Assessment of autonomic dysfunction in Guillain–Barré syndrome and its prognostic implications. Singh NK, et al. **Acta Neurol Scand** 1987 Feb;75(2):101–5
Fulminant demyelinating polyradiculoneuropathy resembling brain death. Drury I, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jul;67(1):42–3
Lateral amyotrophic sclerosis versus Guillain–Barré syndrome: an attempt of differentiation by automatic EMG classification. Garrault G, et al. **Electromyogr Clin Neurophysiol** 1987 Jun–Jul;27(4):209–15
Guillain–Barre syndrome: the follow-up challenge using automatic electromyography. Toulouse B, et al. **Electromyogr Clin Neurophysiol** 1986 Dec;26(8):673–88
Prolongation of distal motor latencies—characteristic finding in Guillain–Barré syndrome. Devathasan G, et al. **Singapore Med J** 1986 Dec;27(6):529–30
[Fisher's syndrome: apropos of a case] Arana Cañedo–Argüelles C, et al. **An Esp Pediatr** 1986 Nov; 25(5):387–8 **(Spa)**

PSYCHOLOGY

[Oneiric perception in intensively treated panplegic polyradiculitis patients] Schmidt–Degenhard M. **Nervenarzt** 1986 Dec;57(12):712–8 **(Ger)**

REHABILITATION

[Course and prognosis of the rehabilitation of patients following acute polyneuritis] Becker–Casademont R, et al. **Rehabilitation (Stuttg)** 1986 Nov;25(4):160–5 (Eng. Abstr.) **(Ger)**

THERAPY

Improvement of neurologic function in chronic inflammatory demyelinating polyradiculoneuropathy following intravenous gamma–globulin infusion [letter] Albala M, et al. **Arch Neurol** 1987 Mar;44(3):248–9
Prediction of early beneficial response to plasma exchange in Guillain–Barré syndrome. Gruener G, et al. **Arch Neurol** 1987 Mar;44(3):295–8
Treatment of chronic inflammatory demyelinating polyradiculoneuropathy by plasma filtration. Abe Y, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):486–9
Treatment modalities in Guillain–Barré syndrome. Provenzale JM. **Hosp Pract [Off]** 1987 Mar 15;22(3):93–8, 102
Early relapses after plasma exchange in acute inflammatory polyradiculoneuropathy [letter] Osterman PO, et al. **Lancet** 1986 Nov 15;2(8516):1161
A critical review of therapies in acute and chronic inflammatory demyelinating polyneuropathies. Pollard JD. **Muscle Nerve** 1987 Mar–Apr;10(3):214–21 (55 ref.)
Guillain–Barré syndrome: quantitative measurement of plasma exchange therapy. Färkkilä M, et al. **Neurology** 1987 May;37(5):837–40
[Corticotherapy and plasma exchange in myasthenia and polyradiculoneuritis] Gajdos P. **Ann Med Interne (Paris)** 1986;137 Suppl:15–9 **(Fre)**
[Intensive plasmapheresis in the Guillain–Barré syndrome. Recent experience] Rochon M, et al. **Union Med Can** 1986 Dec;115(12):862–4 (Eng. Abstr.) **(Fre)**
[Plasmapheresis in Guillain–Barre syndrome. Neurologic follow-up] Besser R, et al. **Med Klin** 1986 May 27; 81(12):409–13 (Eng. Abstr.) **(Ger)**
[Methods and risks of plasmapheresis in severe courses of Guillain–Barré syndrome] Weilemann LS, et al. **Med Klin** 1986 Dec 12;81(25–26):824–9 (Eng. Abstr.) **(Ger)**
[Plasmapheresis–pulse therapy in chronic stage of Guillain–Barré syndrome—controlled study] Jyoichi T, et al. **Rinsho Shinkeigaku** 1987 Apr;27(4):479–86 (Eng. Abstr.) **(Jpn)**
[Analgesic treatment with peridural morphine in Guillain–Barré syndrome (letter)] Busquets Julià C, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):162 **(Spa)**

POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE see **POLYNUCLEOTIDE PHOSPHORYLASE**

POLYRIBONUCLEOTIDE SYNTHETASE see under **POLYNUCLEOTIDE SYNTHETASES**

POLYRIBONUCLEOTIDES

The binding of Mg(II) and Ni(II) to synthetic polynucleotides. Diebler H, et al. **Biophys Chem** 1987 May 9;26(2–3):193–205
Chemically reversible electroreduction of guanine in a polynucleotide chain. Jelen F, et al. **Biophys Chem** 1986 Aug;24(3):285–90
Sequence–dependence of the CD of synthetic double–stranded RNAs containing inosinate instead of guanylate subunits. Ratliff RL, et al. **Biopolymers** 1986 Sep; 25(9):1735–50
Number of binding sites o. DNA and polynucleotides with tris(2,2'-dipyridyl)ruthenium(II) cations. Stradowski C, et al. **Biopolymers** 1987 Feb;26(2):189–201
Reactions of nucleic acid bases with alpha–acetylenic esters. Chemical modification of poly(A) and poly(C). Roques P, et al. **Eur J Biochem** 1987 Aug 17;167(1):103–9
Template–directed synthesis on short oligoribocytidylates. Grzeskowiak K, et al. **J Mol Evol** 1986;23(4):287–9
Base specificity in the interaction of ethidium with synthetic polyribonucleotides. Babayan Y, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5803–12
Architecture of models for prebiotic synthesis of nucleic acids: template–directed synthesis of oligoguanylates using N–cyanoimidazole. Kanaya E, et al. **Nucleic Acids Symp Ser** 1986;(17):101–4
Liposomes with polyribonucleotides as model of precellular systems. Baeza I, et al. **Orig Life Evol Biosph** 1987; 17(3–4):321–31
Nucleic acid–like structures. II. Polynucleotide analogues as possible primitive precursors of nucleic acids. Schwartz AW, et al. **Orig Life Evol Biosph** 1987;17(3–4):351–7
[The use of phase diagrams in the crystallization of oligonucleotide duplexes. I. A model of crystallization of the (pGpT)n.(pApC)n + spermine system] Malinina LV, et al. **Mol Biol (Mosk)** 1987 Mar–Apr;21(2):529–42 (Eng. Abstr.) **(Rus)**

BLOOD

Nucleic acid hybridization in plasma: method for the quantitation of poly(I).poly(C12, U) in plasma of cancer patients. Krueger LJ, et al. **J Biol Response Mod** 1986 Dec; 5(6):539–47

IMMUNOLOGY

Affinity of human carcinoma cell nuclei for polyinosinic acid demonstrated by monoclonal antibodies. Jonsson J, et al. **Clin Exp Immunol** 1986 Sep;65(3):605–13

METABOLISM

Cloned human interferons alpha: differential affinities for polyinosinic acid and relationship between molecular structure and species specificity. Chelbi–Alix MK, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):426–35
Identification of poly G bound to thymidylate synthase. Thorndike J, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):461–5
Binding of IKe gene 5 protein to polynucleotides. Fluorescence binding experiments of IKe gene 5 protein and mutual cooperativity of IKe and M13 gene 5 proteins. de Jong EA, et al. **Biochemistry** 1987 Apr 7;26(7):2039–46
Oligo(alpha–deoxynucleotide)s covalently linked to intercalating agents: differential binding to ribo– and deoxyribopolynucleotides and stability towards nuclease digestion. Thuong NT, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5129–33
Nucleic acid–binding activities of the intermediate filament subunit proteins desmin and glial fibrillary acidic protein. Vorgias CE, et al. **Z Naturforsch [C]** 1986 Sep–Oct; 41(9–10):897–909

PHARMACODYNAMICS

Inhibition of bovine and human brain 2'3'-cyclic nucleotide 3'-phosphodiesterase by heparin and polyribonucleotides and evidence for an associated 5'-polynucleotide kinase activity. Sprinkle TJ, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):686–91
Antiproliferative effect of mismatched double–stranded RNA on fresh human tumor cells analyzed in a clonogenic assay. Strayer DR, et al. **J Interferon Res** 1986 Aug;6(4):373–9
Mismatched double–stranded RNA (ampligen) reduces concentration of zidovudine (azidothymidine) required for in–vitro inhibition of human immunodeficiency virus. Mitchell WM, et al. **Lancet** 1987 Apr 18;1(8538):890–2
Antiviral activity of mismatched double–stranded RNA against human immunodeficiency virus in vitro. Montefiori DC, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2985–9
[Effect of the size of the continuous poly(G) site in poly (G, A).poly (C) complexes on their interferon–inducing activity and their capacity to stimulate the development

of immunity] Vil'her LM. **Vopr Virusol** 1986 Nov-Dec; 31(6):697-700 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Growth of astrocytomas in the human tumor clonogenic assay and sensitivity to mismatched dsRNA and interferons. Strayer DR, et al. **Am J Clin Oncol** 1987 Aug;10(4):281-4

Clinical, immunological, and virological effects of ampligen, a mismatched double-stranded RNA, in patients with AIDS or AIDS-related complex. Carter WA, et al. **Lancet** 1987 Jun 6;1(8545):1286-92

POLYRIBOSOMES

ANALYSIS

Isolation of mRNA from membrane-bound polysomes synthesizing Sepia officinalis haemocyanin in Xenopus laevis oocytes. Vandamme AM, et al. **Biochem Int** 1987 Jan;14(1):27-35

DRUG EFFECTS

The effect of long-term ethanol treatment on the polysome profile of brain, liver, and kidneys of mice. Hopf G, et al. **Alcohol Alcohol** 1986;21(3):277-9

Efficacy of RNase inhibitors during brain polysome isolation. Gauthier D, et al. **Neurochem Res** 1987 Apr;12(4):335-9

Mechanisms of action of 5-fluorouracil on metabolism of RNA in special reference to polysome of L1210 cells. Sato T, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec; 33(1-4):33-7

METABOLISM

Reversion of 7-methylguanosine 5'-phosphate inhibition of mRNA translation by polysomal and soluble factors isolated from Saccharomyces cerevisiae. Parets Suler A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1093-101

Effects of 3'-(4-morpholinyl)-3'-deaminodaunorubicin,3'-(4-methoxy-1-piperidinyl)-3'-deaminodaunorubicin and daunorubicin on nuclear and polysomal RNA synthesis in human colon carcinoma cells in vitro. Johnston JB, et al. **Cancer Lett** 1986 Nov;33(2):225-33

Stoichiometric association of cap-binding protein I with translated polysomal globin mRNP. Görlach M, et al. **EMBO J** 1986 Oct;5(10):2629-35

Polysome turnover in immobilized cells of Nostoc commune (cyanobacteria) exposed to water stress. Angeloni SV, et al. **J Bacteriol** 1986 Nov;168(2):1036-9

Biosynthesis of type I procollagen. Characterization of the distribution of chain sizes and extent of hydroxylation of polysome-associated pro-alpha-chains. Kirk TZ, et al. **J Biol Chem** 1987 Apr 25;262(12):5540-5

Regulation of mRNA entry into polysomes. Parameters affecting polysome size and the fraction of mRNA in polysomes. Nelson EM, et al. **J Biol Chem** 1987 Aug 25; 262(24):11501-6

5'-terminal sequences influence the segregation of ground squirrel hepatitis virus RNAs into polyribosomes and viral core particles. Enders GH, et al. **J Virol** 1987 Jan; 61(1):35-41

Polysomes during early postnatal development of brain in the rat. Gauthier D, et al. **Neurochem Res** 1986 Sep; 11(9):1373-8

A heat shock-induced, polymerase III-transcribed RNA selectively associates with polysomal ribosomes in Tetrahymena thermophila. Kraus KW, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):383-7

Targeting of a chimeric human histone fusion mRNA to membrane-bound polysomes in HeLa cells. Zambetti G, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2683-7

ULTRASTRUCTURE

Circular polysomes predominate on the rough endoplasmic reticulum of somatotropes and mammotropes in the rat anterior pituitary. Christensen AK, et al. **Am J Anat** 1987 Jan;178(1):1-10

Polyribosomes associated with synaptic specializations on axon initial segments: localization of protein-synthetic machinery at inhibitory synapses. Steward O, et al. **J Neurosci** 1986 Oct;6(10):3079-85

Morphological polysome analysis and surface expression of human myeloma cells: presence of heterogeneity. Yonezawa T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1766-73

POLYSACCHARIDE-LYASES

ANALYSIS

Studies on the Vibrio cholerae mucinase complex. II. Specific neuraminidase activity measured histochemically in a goblet cell assay. Ollar RA, et al. **J Med Microbiol** 1987 May;23(3):227-32

ANTAGONISTS & INHIBITORS

Inhibition of heparanase-mediated degradation of extracellular matrix heparan sulfate by non-anticoagulant heparin species. Bar-Ner M, et al. **Blood** 1987 Aug; 70(2):551-7

GENETICS

Construction of a transposon containing a gene for polygalacturonate trans-eliminase from Klebsiella oxytoca. Walker MJ, et al. **Arch Microbiol** 1987 Jan;146(4):390-5

Organization of a pectate lyase gene family in Erwinia chrysanthemi. Reverchon S, et al. **Gene** 1986;49(2):215-24

Molecular cloning of an Erwinia chrysanthemi oligogalacturonate lyase gene involved in pectin degradation. Reverchon S, et al. **Gene** 1987;55(1):125-33

Structure of two pectate lyase genes from Erwinia chrysanthemi EC16 and their high-level expression in Escherichia coli. Keen NT, et al. **J Bacteriol** 1986 Nov; 168(2):595-606

Characterization of the Erwinia carotovora pelB gene and its product pectate lyase. Lei SP, et al. **J Bacteriol** 1987 Sep;169(9):4379-83

Regulation of expression of pectate lyase genes pelA, pelD, and pelE in Erwinia chrysanthemi. Reverchon S, et al. **J Bacteriol** 1987 Jun;169(6):2417-23

[Cloning of the regulator gene of Erwinia carotovora repressing pectate lyase ptlA gene expression] Bukanov NO, et al. **Antibiot Med Biotekhnol** 1987 Jun;32(6):428-34 (Eng. Abstr.) **(Rus)**

[Expression of the pectate lyase gene from Erwinia chrysanthemi ENA49 in cells of other Erwinia species] Evtushenkov AN, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):22-5 (Eng. Abstr.) **(Rus)**

[Cloning of pectate-lyase genes of Erwinia chrysanthemi in Escherichia coli cells] Evtushenkov AN, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr;(4):19-24 (Eng. Abstr.) **(Rus)**

METABOLISM

Inducible thermoalkalophilic polygalacturonate lyase from Thermomonospora fusca. Stutzenberger FJ. **J Bacteriol** 1987 Jun;169(6):2774-80

Heparinase production by anaerobic bacteria. Riley TV. **J Clin Pathol** 1987 Apr;40(4):384-6

Studies on the Vibrio cholerae mucinase complex. I. Enzymic activities associated with the complex. Stewart-Tull DE, et al. **J Med Microbiol** 1986 Dec;22(4):325-33

PHARMACODYNAMICS

Fibroblast growth factors are present in the extracellular matrix produced by endothelial cells in vitro: implications for a role of heparinase-like enzymes in the neovascular response. Baird A, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):428-35

The digestion of cell surface-associated glycosaminoglycans by crude and purified flavobacter heparinum enzymes: disparate effects on cell adhesion. Piepkorn M, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):986-95

Perturbation of the blood-retinal barrier after enzyme perfusion. A cytochemical study. Pino RM. **Lab Invest** 1987 May;56(5):475-80

Removal of the anticoagulant activities of the low molecular weight heparin fractions and fragments with flavobacterial heparinase. Yang VC, et al. **Thromb Res** 1986 Dec 1; 44(5):599-610

POLYSACCHARIDES

Applications of polysaccharides. Patents and literature. Linhardt RJ. **Appl Biochem Biotechnol** 1986 Apr; 12(2):177-97

Experimental arthritis induced by polysaccharide macromolecules. Aaron RK, et al. **Arthritis Rheum** 1987 Jun;30(6):679-88

Oxidation of cell wall polysaccharides by hydrogen peroxide: a potential mechanism for cell wall breakdown in plants. Miller AR. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):238-44

MS and NMR analysis of the cross-reacting determinant glycan from Trypanosoma brucei brucei MITat 1.6 variant specific glycoprotein. Schmitz B, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1055-63

Conformational alterations within the glycocalyx of erythrocyte membranes studied by spin labelling. Herrmann A, et al. **Biochim Biophys Acta** 1986 Sep 25; 861(1):111-21

Carbohydrate research 1987. A collection of invited papers dealing with physico-chemical aspects of oligo- and poly-saccharides. **Carbohydr Res** 1987 Feb 15;160:1-443

Structural analysis of papaya polysaccharide II. BeMiller JN, et al. **Carbohydr Res** 1986 Dec 15;158:173-81

The conformation of glycans of the oligo-D-mannosidic type, and their interaction with concanavalin A: a computer-modelling study. Biswas M, et al. **Carbohydr Res** 1987 Feb 15;160:151-70

A new catalyst for reductive cleavage of methylated glycans. Jun JG, et al. **Carbohydr Res** 1987 Jun 15;163(2):247-61

Synthesis of a heptasaccharide hapten related to a biantennary glycan chain of human chorionic gonadotropin of a choriocarcinoma patient. A convergent approach. Sadozai KK, et al. **Carbohydr Res** 1986 Dec 1;157:101-23

Conformation of (1----6)-beta-D-glucan by vacuum-ultraviolet circular dichroism. Stevens ES, et al. **Carbohydr Res** 1987 Feb 15;160:131-5

Differential adhesive properties of the surface of human blood flukes Schistosoma mansoni. Sexual, regional, and developmental differences in interfacial free energies and structure of glycocalyx. Podesta RB, et al. **Cell Biophys** 1987 Feb;10(1):23-31

Structural features of sulfated glycans from the tunic of Styela plicata (Chordata-Tunicata). A unique occurrence of L-galactose in sulfated polysaccharides. Mourão PA, et al. **Eur J Biochem** 1987 Jul 15;166(2):431-6

Glycocalyceal bodies--a marker for different epithelial cell types in human airways. Ellinger A, et al. **J Submicrosc Cytol** 1987 Apr;19(2):311-20

Usefulness of Ficoll in electric field-mediated cell fusion. Herzog R, et al. **Life Sci** 1986 Dec 15;39(24):2279-88

Reductive cleavage of permethylated polysaccharides. Gray GR. **Methods Enzymol** 1987;138:26-38

Immobilization of proteins and ligands using chlorocarbonates. Miron T, et al. **Methods Enzymol** 1987; 135:84-90

Species differences in polysaccharide and sugar taste preferences. Feigin MB, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):231-40

Qualitative differences in polysaccharide and sugar tastes in the rat: a two-carbohydrate taste model. Nissenbaum JW, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):187-96

Influence of saccharide length on polysaccharide appetite in the rat. Sclafani A, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):197-200

Oral versus postingestive origin of polysaccharide appetite in the rat. Sclafani A, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):169-72

Vacuum UV circular dichroism of polysaccharides. Stevens ES. **Photochem Photobiol** 1986 Sep;44(3):287-93

[Advances in the study of polysaccharides] Fang JN. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):944-50 (63 ref.) **(Chi)**

[A new situation concerning non-mammalian polysaccharides--some possible uses of chitin and its derivatives as a new bioactive material in the medical field] Tokura S, et al. **Tanpakushitsu Kakusan Koso** 1986 Dec; 31(15):1621-31 (47 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

Non-starch polysaccharides as a protective factor in human large bowel cancer. Bingham SA. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:183-92 (51 ref.)

Carbohydrate-induced hyperphagia and obesity in the rat: effects of saccharide type, form, and taste. Sclafani A. **Neurosci Biobehav Rev** 1987 Summer;11(2):155-62

[Combination therapy with lentinan, mitomycin c, 5-fluorouracil and radiation--a case of long-term survival of pancreas cancer after palliative surgery] Kunitomo K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1342-4 **(Jpn)**

[A comparative clinical trial with tegafur plus lentinan treatment at two different doses in advanced cancer] Wada T, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2509-12 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Thrombopenia caused by pentosan polysulfate] Allal J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Feb;36(2):85-6 (Eng. Abstr.) **(Fre)**

[Severe thrombopenia associated with treatment with pentosan polysulfate] Bollaert PE, et al. **Ann Fr Anesth Reanim** 1986;5(5):539-41 (Eng. Abstr.) **(Fre)**

[Thrombopenia during sequential treatment with pentosan polysulfate-heparin (letter)] Herpin D, et al. **Presse Med** 1987 Feb 21;16(6):309 **(Fre)**

[Demonstration of the role of pentosan polysulfate as the origin of a thrombopenic complication (letter)] Manchon ND, et al. **Presse Med** 1986 Nov 1;15(38):1930-1 **(Fre)**

[Allergic thrombopenia induced by heparin or pentosan polysulfate] Bayle J, et al. **Therapie** 1986 Sep-Oct; 41(5):339-43 (Eng. Abstr.) **(Fre)**

ANALYSIS

Enzymic analysis of polysaccharide structure. McCleary BV, et al. **Adv Carbohydr Chem Biochem** 1986;44:147-276 (493 ref.)

Laser-desorption Fourier transform mass spectra of polysaccharides. Coates ML, et al. **Anal Chem** 1987 Jan 1;59(1):197-200

Differences in glycocalyx composition between cells of the cortical thick ascending limb of Henle and the macula densa revealed by lectin-gold cytochemistry. Rielle JC, et al. **Anat Rec** 1987 Jul;218(3):243-8

Immunological relationship of extra-cellular polysaccharide antigens produced by different mould species. Notermans S, et al. **Antonie Van Leeuwenhoek** 1986;52(5):393-401

Structural studies of the capsular polysaccharide from Haemophilus pleuropneumoniae serotype 2. Altman E, et al. **Biochem Cell Biol** 1987 May;65(5):414-22

Partial characterization of the heteropolysaccharide associated with the 7S domain of type IV collagen from placenta. Leushner JR. **Biochem Cell Biol** 1987 May; 65(5):501-6

Electron microscopic description of glycocalyx and fimbriae on the surface of Pasteurella haemolytica-A1. Morck DW, et al. **Can J Vet Res** 1987 Jan;51(1):83-8

Molecular properties of F9 embryoglycan recognized by a unique antibody in sera from patients with germ cell

tumors. Kawata M, et al. **Cancer Res** 1987 May 1; 47(9):2288–94

Structure and physiological activity of conidial polysaccharides of Mycosphaerella pinodes. I. Matsubara M, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3306–11

The chemical structure of an antitumor polysaccharide in mycelia of Cochliobolus miyabeanus. Nanba H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1285–8

The chemical structure of an antitumor polysaccharide in fruit bodies of Grifola frondosa (maitake). Nanba H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1162–8

Estimation of cation binding of arabate by conductivity measurement. Yomota C, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):933–40

Leptomonas samueli glycoconjugates. Comparison with Herpetomonas samuelpessoai. Palatnik CB, et al. **Comp Biochem Physiol [B]** 1987;86(3):593–9

Structural investigation of Klebsiella serotype K10 capsular polysaccharide. Chakrabarti A, et al. **Eur J Biochem** 1987 Apr 1;164(1):237–41

Strain variation in composition and molecular size of the capsular polysaccharide of Cryptococcus neoformans serotype A. Small JM, et al. **Infect Immun** 1986 Dec; 54(3):735–41

Polysaccharide covalently linked to the peptidoglycan of the cyanobacterium Synechocystis sp. strain PCC6714. Jürgens UJ, et al. **J Bacteriol** 1986 Nov;168(2):568–73

Cell surface polysaccharides from Bradyrhizobium japonicum and a nonnodulating mutant. Puvanesarajah V, et al. **J Bacteriol** 1987 Jan;169(1):137–41

Structure of a polysaccharide containing galactose and galacturonic acid from Rhizobium meliloti. Characterization and partial purification of a 2-O-methyltransferase. Coira JA, et al. **J Biol Chem** 1987 Aug 5;262(22):10601–7

Poly-N-acetyllactosamine glycans of cellular glycoproteins: predominance of linear chains in mouse neuroblastoma and rat pheochromocytoma cell lines. Spillmann D, et al. **J Neurochem** 1987 Sep;49(3):874–83

Ultrastructure, carbohydrate, and amino acid analysis of two preparations of the cercarial glycocalyx of Schistosoma mansoni. Caulfield JP, et al. **J Parasitol** 1987 Jun; 73(3):514–22

Fine structure of the cell surface coat of Trypanosoma musculi bloodstream and metacyclic forms using the thiosemicarbazide–silver proteinate method. Roger M, et al. **J Parasitol** 1987 Apr;73(2):415–7

Staining of the O-specific polysaccharide chains of lipopolysaccharides with alkaline bismuth. Kuno T, et al. **Microbiol Immunol** 1986;30(11):1207–11

Cell surface lipophosphoglycan of Leishmania donovani. King DL, et al. **Mol Biochem Parasitol** 1987 May; 24(1):47–53

Concentration of a protein by polysaccharides. Antonov YuA, et al. **Nahrung** 1987;31(1):57–61

Comparison of three latex agglutination kits and counterimmunoelectrophoresis for the detection of bacterial antigens in a pediatric population. Ballard TL, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):630–4

BIOSYNTHESIS

Biosynthesis of bacterial polysaccharide chains composed of repeating units. Shibaev VN. **Adv Carbohydr Chem Biochem** 1986;44:277–339 (299 ref.)

Effects of tunicamycin, N-methyl-1-deoxynojirimycin, and manno-1-deoxynojirimycin on the biosynthesis of lactosaminoglycans in F9 teratocarcinoma cells. Romero PA, et al. **Carbohydr Res** 1986 Aug 15;151:21–8

Biosynthesis of poly(galactosylglycerol phosphate) in Bacillus coagulans. Yokoyama K, et al. **Eur J Biochem** 1987 May 15;165(1):47–53

Exopolysaccharide production by fungi. Sudhakaran VK, et al. **Hindustan Antibiot Bull** 1986 Feb–Nov;28(1–4):24–6

Nitrogen fixation ability of exopolysaccharide synthesis mutants of Rhizobium sp. strain NGR234 and Rhizobium trifolii is restored by the addition of homologous exopolysaccharides. Djordjevic SP, et al. **J Bacteriol** 1987 Jan;169(1):53–60

Relationship of the terminal sequences to the length of poly-N-acetyllactosamine chains in asparagine-linked oligosaccharides from the mouse lymphoma cell line BW5147. Immobilized tomato lectin interacts with high affinity with glycopeptides containing long poly-N-acetyllactosamine chains. Merkle RK, et al. **J Biol Chem** 1987 Jun 15;262(17):8179–89

Cryptococcal UDP-glucose dehydrogenase: enzymic control of capsular biosynthesis. Jacobson ES. **J Med Vet Mycol** 1987 Jun;25(3):131–5

An electron microscopic study of the effect of clindamycin therapy on bacterial adherence and glycocalyx formation in experimental Staphylococcus aureus osteomyelitis. Mayberry-Carson KJ, et al. **Microbios** 1986; 48(196–197):189–206

Mutants of embryonal carcinoma cells defective in the expression of embryoglycan. Dráber P, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5798–802

Polysialic acid units are spatially and temporally expressed in developing postnatal rat kidney. Roth J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1969–73

BLOOD

Topo-optical investigations of human erythrocyte glycocalyx conformational changes induced by dextran. Bäumler H, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):22–8

Effects of severe burns on glycan microheterogeneity of four acute phase proteins. Mallet B, et al. **Clin Chim Acta** 1987 Aug 31;167(3):247–57

Primary defect of congenital dyserythropoietic anemia type II. Failure in glycosylation of erythrocyte lactosaminoglycan proteins caused by lowered N-acetylglucosaminyltransferase II. Fukuda MN, et al. **J Biol Chem** 1987 May 25;262(15):7195–206

[Quantitative assay of lentinan in the human blood] Yajima Y, et al. **Gan To Kagaku Ryoho** 1987 Aug;14(8):2594–6 **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis of water-soluble, branched polysaccharides having D-mannopyranose, D-arabinofuranose, or oligo-D-arabinofuranose side-chains and their antitumor activity. Matsuzaki K, et al. **Carbohydr Res** 1986 Dec 1; 157:171–82

Isolation and characterization of poly-N-acetyllactosaminylceramides accumulated in the erythrocytes of congenital dyserythropoietic anemia type II patients. Fukuda MN, et al. **Chem Phys Lipids** 1986 Dec 15;42(1–3):185–97

DIAGNOSTIC USE

Right-heart echocontrast in the anesthetized dog after i.v. administration of a new standardized sonographic contrast agent. 1st communication: dose-response relationship. Fritzsch T, et al. **Arzneimittelforschung** 1986 Jul; 36(7):1030–3

Right-heart echocontrast in the anesthetized dog after i.v. administration of a new standardized sonographic contrast agent. 2nd communication: dependence of the intensity of contrast on the interval between preparation of the suspension and its injection. Lange L, et al. **Arzneimittelforschung** 1986 Jul;36(7):1034–6

Right-heart echocontrast in the anesthetized dog after i.v. administration of a new standardized sonographic contrast agent. 3rd communication: comparison of various contrast agents employed in contrast echocardiography. Lange L, et al. **Arzneimittelforschung** 1986 Jul;36(7):1037–40

Contrast echography of the eye and orbit. Miszalok V, et al. **Ophthalmologica** 1986;193(4):231–5

Anticoagulant activities of pentosan polysulphate (Hémoclar) due to release of hepatic triglyceride lipase (HTGL). Barrowcliffe TW, et al. **Thromb Haemost** 1986 Oct 21; 56(2):202–6

[The aggregation mechanism of sera from cancer patients by galactosaminoglycan (CO–N)] Kawaguchi N, et al. **Yakugaku Zasshi** 1986 Jun;106(6):446–51 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Neurotropin immunostimulating action on immunocompetent cells. Zhang GS, et al. **Chin Med J [Engl]** 1986 Apr; 99(4):343–6

Tolerance to cryptococcal polysaccharide in cured cryptococcosis patients: failure of antibody secretion in vitro. Henderson DK, et al. **Clin Exp Immunol** 1986 Sep; 65(3):639–46

Schistosoma mansoni: immunogenic glycoproteins of the cercarial glycocalyx. Dalton JP, et al. **Exp Parasitol** 1987 Apr;63(2):215–26

Synthetic sulpholipopolysaccharides: novel adjuvants for humoral immune responses. Hilgers LA, et al. **Immunology** 1987 Jan;60(1):141–6

Production, characterization, and antibody specificity of a mouse monoclonal antibody reactive with Cryptococcus neoformans capsular polysaccharide. Dromer F, et al. **Infect Immun** 1987 Mar;55(3):742–8

Identification of two germ-tube-specific cell wall antigens of Candida albicans. Ponton J, et al. **Infect Immun** 1986 Dec;54(3):864–8

The type-specific capsular carbohydrate of Hemophilus influenzae B is a potent mitogen for murine B lymphocytes. Lucas AH, et al. **J Immunol** 1986 Nov 15;137(10):3130–4

Immunity to Haemophilus influenzae type b in young adults: correlation of bactericidal and opsonizing activity of serum with antibody to polyribosylribitol phosphate and lipooligosaccharide before and after vaccination. Musher D, et al. **J Infect Dis** 1986 Dec;154(6):935–43

Impaired immune response to polysaccharides [letter] **N Engl J Med** 1987 Sep 24;317(13):837–9

Thymic involvement in memory responses after primary challenge with TNP-Ficoll in Xenopus laevis, the South African clawed toad. Ruben LN, et al. **Thymus** 1986; 8(6):341–8

ISOLATION & PURIFICATION

Isolation of a novel O-linked, sulfated polysaccharide of high molecular weight from an ovarian cyst glycoprotein having blood group "A" activity. Wu SS, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):420–31

An approach towards the isolation and characterization of some polysaccharide components of the protozoan Leishmania donovani. Banerji N, et al. **Carbohydr Res** 1987 Feb 1;159(2):328–35

Structural elucidation of a water-insoluble glucan produced by a cariogenic oral Streptococcus. Davis HM, et al. **Carbohydr Res** 1986 Nov 15;156:69–77

Highly acidic glycans from sea cucumbers. Isolation and fractionation of fucose-rich sulfated polysaccharides from the body wall of Ludwigothurea grisea. Mourão PA, et al. **Eur J Biochem** 1987 Aug 3;166(3):639–45

Purification and properties of extracellular polysaccharide (EPS) antigens produced by different mould species. Notermans S, et al. **J Appl Bacteriol** 1987 Feb;62(2):157–66

Structural characterization of the Mr = 55,000 antigen (ZP3) of porcine oocyte zona pellucida. Purification and characterization of alpha- and beta-glycoproteins following digestion of lactosaminoglycan with endo-beta-galactosidase. Yurewicz EC, et al. **J Biol Chem** 1987 Jan 15;262(2):564–71

Extracellular mammalian polysaccharides: glycosaminoglycans and proteoglycans. Beaty NB, et al. **J Chromatogr** 1987 Jul 17;418:187–222 (215 ref.)

Structure and properties of polysaccharides from Viscum album (L.). Jordan E, et al. **Oncology** 1986;43 Suppl 1:8–15

[Structural studies of Panax ginseng C. A. Mey pectin] Li RQ, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):912–6 (Eng. Abstr.) **(Chi)**

[Purification of the polysaccharide portion of the lipopeptidophosphoglycan extracted from trophozoites of Entamoeba histolytica] Isibasi A, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:73–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Digestion of polysaccharides of potato in the small intestine of man. Englyst HN, et al. **Am J Clin Nutr** 1987 Feb; 45(2):423–31

Bacteroides xylanolyticus sp. nov., a xylanolytic bacterium from methane producing cattle manure. Scholten-Koerselman I, et al. **Antonie Van Leeuwenhoek** 1986;52(6):543–54

Fermentation of xylose and hemicellulose hydrolysates by an ethanol-adapted culture of Bacteroides polypragmatus. Patel GB, et al. **Arch Microbiol** 1986 Oct;146(1):68–73

Transient expression of sialylated glycans during glycoprotein processing by embryonal carcinomas. Ivatt RJ. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):489–95

Polysaccharide-degrading enzymes formed by three species of anaerobic rumen fungi grown on a range of carbohydrate substrates. Williams AG, et al. **Can J Microbiol** 1987 May; 33(5):418–26

Catabolism of glycoprotein glycans. Characterization of a lysosomal endo-N-acetyl-beta-D-glucosaminidase specific for glycans with a terminal chitobiose residue. Baussant T, et al. **Eur J Biochem** 1986 Sep 1;159(2):381–5

Sequence determinants in the lamB gene of Escherichia coli influencing the binding and pore selectivity of maltoporin. Heine HG, et al. **Gene** 1987;53(2–3):287–92

Binding of purified and radioiodinated capsular polysaccharides from Cryptococcus neoformans serotype A strains to capsule-free mutants. Small JM, et al. **Infect Immun** 1986 Dec;54(3):742–50

Identification of endogenous inducers of the mal regulon in Escherichia coli. Ehrmann M, et al. **J Bacteriol** 1987 Aug; 169(8):3539–45

Purification and characterization of a novel glycan-phosphatidylinositol-specific phospholipase C from Trypanosoma brucei. Fox JA, et al. **J Biol Chem** 1986 Nov 25;261(33):15767–71

The use of avidin-biotinylglycan as the model for in vitro glycoprotein processing. Shao MC, et al. **J Biol Chem** 1987 Mar 5;262(7):2968–72

The regulation of glycan processing in glycoproteins. The effect of avidin on individual steps in the processing of biotinylated glycan derivatives. Shao MC, et al. **J Biol Chem** 1987 Mar 5;262(7):2973–9

Which fibre is best for the colon? Tomlin J. **Scand J Gastroenterol [Suppl]** 1987;129:100–4

Absence of transplacental passage of pentosan polysulfate during mid trimester of pregnancy. Forestier F, et al. **Thromb Haemost** 1986 Dec 15;56(3):247–9

Absorption of heparin, LMW heparin and SP54 after subcutaneous injection, assessed by competitive binding assay. Dawes J, et al. **Thromb Res** 1986 Dec 1;44(5):683–93

[Effect of dithranol therapy on membrane, basement membrane and nuclear markers in psoriasis lesions] Wollina U, et al. **Z Hautkr** 1987 Feb 15;62(4):313–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of soy polysaccharide on postprandial plasma glucose, insulin, glucagon, pancreatic polypeptide, somatostatin, and triglyceride in obese diabetic patients. Tsai AC, et al. **Am J Clin Nutr** 1987 Mar;45(3):596–601

Mechanisms for inhibition of the generation of thrombin activity by sulfated polysaccharides. Ofosu FA, et al. **Ann NY Acad Sci** 1986;485:41–55

Polysulphated polysaccharides: an in vitro study of their effects on proteoglycan biosynthesis by articular chondrocytes. Costeseque R, et al. **Arch Int Pharmacodyn Ther** 1986 Aug;282(2):196–208

Selective inhibition of DNA polymerase alpha by a

polysaccharide purified from slime of Physarum polycephalum. Shioda M, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):61–6

The effect of sulfated polysaccharides on the free intracellular calcium ion concentration of lymphocytes. Tellam RL, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):55–64

Respective role of antithrombin III and heparin cofactor II in the in vitro anticoagulant effect of heparin and of various sulphated polysaccharides. Sie P, et al. **Br J Haematol** 1986 Dec;64(4):707–14

The effect of pentosanpolysulphate and carbenoxolone on bacterial adherence to the injured urothelium. Pantazopoulos D, et al. **Br J Urol** 1987 May;59(5):423–6

Mechanism of action of an antigen nonspecific inhibitory factor produced by human T cells stimulated by MPPS and PPD. Lombardi G, et al. **Cell Immunol** 1986 Apr 1; 98(2):434–43

Purification and characterization of mouse alpha 1-acid glycoprotein and its possible role in the antitumor activity of some lichen polysaccharides. Watanabe M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2532–41

Effects of differing purified cellulose, pectin and hemicellulose fiber diets on mucosal morphology in the rat small and large intestine. Dirks P, et al. **Clin Invest Med** 1987 Jan;10(1):32–8

Selectivity for maltose and maltodextrins of maltoporin, a pore-forming protein of E. coli outer membrane. Dargent B, et al. **FEBS Lett** 1987 Aug 10;220(1):136–42

Immunopotentiative effect of polysaccharide from kefir grain, KGF-C, administered orally in mice. Murofushi M, et al. **Immunopharmacology** 1986 Aug;12(1):29–35

Analysis of the inhibition of tumour metastasis by sulphated polysaccharides. Coombe DR, et al. **Int J Cancer** 1987 Jan 15;39(1):82–8

Effect of lentinan on pinocytosis in mouse peritoneal macrophages and the murine macrophage cell line C4M phi in vitro. Abel G, et al. **Int J Immunopharmacol** 1986; 8(8):919–24

Macrophage-mediated acute-phase transport protein production induced by lentinan. Suga T, et al. **Int J Immunopharmacol** 1986;8(7):691–9

Immunopharmacological actions of an extract isolated from inflamed skin of rabbits inoculated with vaccinia virus (neurotropin); enhancing effect on delayed type hypersensitivity response through the induction of Lyt-1+2- T cells. Yoshii H, et al. **Int J Immunopharmacol** 1987;9(4):443–51

Maleyl-BSA and fucoidan induce expression of a set of early proteins in murine mononuclear phagocytes. Johnston PA, et al. **J Immunol** 1987 Mar 1;138(5):1551–8

Anti-inflammatory activity of a polysaccharidic fraction of Echinacea angustifolia. Tubaro A, et al. **J Pharm Pharmacol** 1987 Jul;39(7):567–9

Biodegradable microspheres. V: Stimulation of macrophages with microparticles made of various polysaccharides. Artursson P, et al. **J Pharm Sci** 1987 Feb;76(2):127–33

Effect of neurotropin (NSP) on the in vivo and in vitro antibody responses in mice. Okimura T. **J Pharmacobiodyn** 1986 Aug;9(8):645–50

Suppression by neurotropin of production of human immuno-deficiency virus by the virus-producing MOLT-4 cell line. Imai H, et al. **Jpn J Cancer Res** 1987 Jul; 78(7):648–50

Suppression of human immunodeficiency virus replication by 3'-azido-3'-deoxythymidine in various human hematopoietic cell lines in vitro: augmentation of the effect by lentinan. Tochikura TS, et al. **Jpn J Cancer Res** 1987 Jun;78(6):583–9

Effect of neurotropin on hyperalgesia induced by prostaglandin E2, naloxone, melatonin and dark condition in mice. Takahashi H, et al. **Jpn J Pharmacol** 1987 Apr; 43(4):441–4

Macrophage stimulation with some structurally related polysaccharides. Artursson P, et al. **Scand J Immunol** 1987 Mar;25(3):245–54

Lack of relationship between enhanced bleeding induced by heparin and other sulfated polysaccharides and enhanced catalysis of thrombin inhibition. Buchanan MR, et al. **Semin Thromb Hemost** 1986 Oct;12(4):324–7

Effect of pentosan polysulphate administration in man on the formation of covalent complexes between heparin cofactor II and thrombin generated in plasma by contact activation. Dol F, et al. **Thromb Haemost** 1986 Dec 15; 56(3):295–8

Comparative turn-over of heparin cofactor II and antithrombin III in baboons. Influence of heparin and pentosan polysulfate administration. Sié P, et al. **Thromb Haemost** 1986 Dec 15;56(3):302–7

Mechanism of potentiation of antithrombin III [AT-III] inhibition by sulfated xylans. Campbell A, et al. **Thromb Res** 1987 Aug 1;47(3):341–52

Inhibition of vascular smooth muscle cell proliferation in culture by pentosan polysulphate and related compounds. Paul R, et al. **Thromb Res** 1987 Jun 15;46(6):793–801

[Protective effect of Astragalus polysaccharide on ribonucleases and the ribonuclease inhibitor system] Wang DY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb; 7(2):93–6, 70 (Eng. Abstr.) **(Chi)**

[Dynamic study of the interferon-stimulating effect of a polysaccharide of Acanthopanax senticosus on leukemic cell culture] Yang JC, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr;6(4):231–3, 197 (Eng. Abstr.) **(Chi)**

[Effects of Tremella polysaccharides on synthesis of protein and on glycogen content in normal and injured livers of mice] Yue W, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):364–7 (Eng. Abstr.) **(Chi)**

[Effect of Bupleurum kunmingense polysaccharides on the weight of the spleen, thymus and proliferation of lymphocyte and plaque forming cells in mice] Zhang LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):479–81 (Eng. Abstr.) **(Chi)**

[The immunosuppressive activities of polysaccharides from Glehnia littoralis (bei sha shen)] Fang XD, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):931–4 (Eng. Abstr.) **(Chi)**

[The effects of Saussurea polysaccharide on isolated rat uteri] Lin XZ, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):220–2 (Eng. Abstr.) **(Chi)**

[Granulopoietic effects of lentinan in mice: effects on GM-CFC and 5-FU-induced leukopenia] Matsuo T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1310–4 (Eng. Abstr.) **(Jpn)**

[Granulopoietic effects of lentinan, an antitumor polysaccharide in BALB/c nude mice] Matsuo T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1305–9 (Eng. Abstr.) **(Jpn)**

[Pharmacological study of Candida polysaccharide on the cardiovascular system of non-immunized and immunized rats] Iijima H, et al. **Kansenshogaku Zasshi** 1986 Jun; 60(6):616–23 (Eng. Abstr.) **(Jpn)**

[Effect of plant polysaccharides on blood coagulation activity in animals] Lavrenova GIu. **Farmakol Toksikol** 1986 Jul-Aug;49(4):38–40 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lactosaminoglycans are involved in uterine epithelial cell adhesion in vitro. Dutt A, et al. **Dev Biol** 1987 Jan; 119(1):27–37

A role for sulfated polysaccharide recognition in sponge cell aggregation. Coombe DR, et al. **Exp Cell Res** 1987 Jun; 170(2):381–401

Cell-surface expression of H-2Db requires N-linked glycans. Fraser JD, et al. **Immunogenetics** 1987;26(1-2):31–5

The role of fractions from Paracoccidioides brasiliensis in the genesis of inflammatory response. Alves LM, et al. **Mycopathologia** 1987 Jan;97(1):3–7

The etiology and persistence of cryptic bacterial infections: a hypothesis. Costerton JW. **Rev Infect Dis** 1984 Sep-Oct; 6 Suppl 3:S608–16

THERAPEUTIC USE

Antitumoral activity of polysaccharide isolated from Cyttaria johowii on the growth of sarcoma 180 in normal and splenectomized mice. Chasseing NA, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(1):29–38

Slow cytotoxicity of the polysaccharide levan on tumor cells in vitro. Leibovici J, et al. **Chem Biol Interact** 1986 Nov; 60(2):191–200

Experimental investigation of the antihypercholesteremic element separated from the Chinese medicinal herb Drynaria fortunei (Kunze) J, SM. Wang AG, et al. **Chin Med J [Engl]** 1987 Mar;100(3):242–7

Milk-thickening agents as a treatment for gastroesophageal reflux [publihsed erratum appears in Clin Pediatr (Phila) 1987 Mar;26(3):148] Vandenplas Y, et al. **Clin Pediatr (Phila)** 1987 Feb;26(2):66–8

Rapid tumor regression and induction of tumor-regressing activity in serum by various immune-modulating agents. Baba H, et al. **Int J Immunopharmacol** 1986;8(6):569–72

Effect of splenectomy on treatment of Lewis lung carcinoma by an immunomodulatory polysaccharide and a cytotoxic agent. Michowitz M, et al. **J Surg Oncol** 1987 Apr; 34(4):268–71

Treatment of ulcer and nonulcer interstitial cystitis with sodium pentosanpolysulfate: a multicenter trial. Fritjofsson A, et al. **J Urol** 1987 Sep;138(3):508–12

A prospective double-blind clinically controlled multicenter trial of sodium pentosanpolysulfate in the treatment of interstitial cystitis and related painful bladder disease. Holm-Bentzen M, et al. **J Urol** 1987 Sep;138(3):503–7

Successful therapy of interstitial cystitis with pentosanpolysulfate. Parsons CL, et al. **J Urol** 1987 Sep; 138(3):513–6

Successful management of radiation cystitis with sodium pentosanpolysulfate. Parsons CL. **J Urol** 1986 Oct; 136(4):813–4

Treatment of keratoconjunctivitis sicca with Elmiron. Prause JU, et al. **Scand J Rheumatol [Suppl]** 1986;61:259–60

Effects of sodium pentosanpolysulphate on symptoms related to chronic non-bacterial prostatitis. A double-blind randomized study. Wedrén H. **Scand J Urol Nephrol** 1987; 21(2):81–8

Sodium pentosanpolysulfate treatment of interstitial cystitis: an update. Parsons CL. **Urology** 1987 Apr;29(4 Suppl):14–6

[Does the pentosan polysulfate-heparin have a thrombolytic action? (letter)] Pinot JJ, et al. **Presse Med** 1986 Oct 4; 15(33):1683 **(Fre)**

[Prevention of recurrence of cerebrovascular thromboses. A randomized comparative study of acetylsalicylic acid and sodium pentosan polysulfate] Vinazzer H. **Fortschr Med** 1987 Feb 20;105(5):79–85 (Eng. Abstr.) **(Ger)**

[Synergistic action of lentinan (LNT) with endocrine therapy of breast cancer in rats and humans] Kosaka A, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):516–22 (Eng. Abstr.) **(Jpn)**

[Age-dependent anti-tumor activity of lentinan in mice] Shiio T, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2300–4 (Eng. Abstr.) **(Jpn)**

[Lentinan] Taguchi T. **Gan To Kagaku Ryoho** 1986 Oct; 13(11):3294–304 **(Jpn)**

TOXICITY

Induction of colorectal tumors in rats by sulfated polysaccharides. Ishioka T, et al. **CRC Crit Rev Toxicol** 1987;17(3):215–44 (49 ref.)

POLYSACCHARIDES, BACTERIAL

The application of 1H/13C inversely correlated NMR spectroscopy to the determination of acylation and glycosylation sites in the O-specific polysaccharide from Hafnia alvei 1187. Dabrowski J, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1283–5

Proton nuclear magnetic resonance measurement of the amide hydrogen exchange rates of group A streptococcal polysaccharide in H2O. Huang DH, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):685–90

Structure of the O-chain of the lipopolysaccharide of Haemophilus pleuropneumoniae serotype 1. Altman E, et al. **Biochem Cell Biol** 1986 Dec;64(12):1317–25

Structural studies of the capsular polysaccharide from Haemophilus pleuropneumoniae serotype 1. Altman E, et al. **Biochem Cell Biol** 1986 Aug;64(8):707–16

Structural elucidation of the O-specific polysaccharide of the phenol-phase soluble lipopolysaccharide of Vibrio anguillarum. Banoub JH, et al. **Biochem Cell Biol** 1987 Jan; 65(1):19–26

Structure of the complex group-specific polysaccharide of group B Streptococcus. Michon F, et al. **Biochemistry** 1987 Jan 27;26(2):476–86

Combinatorial diversity in the generation of antibody molecules. The complete amino-acid sequence of the variable domain of a monoclonal anti-streptococcal group A polysaccharide antibody. Herbst H, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):843–51

Structural investigation of the capsular polysaccharide from Escherichia coli O9:K37 (A 84a). Anderson AN, et al. **Carbohydr Res** 1987 Jun 1;163(1):81–90

Depolymerization of the capsular polysaccharide from Klebsiella K19 by the glycanase associated with particles of Klebsiella bacteriophage luminal diameter 19. Beurret M, et al. **Carbohydr Res** 1986 Dec 1;157:27–51

Structure of the serine-containing capsular polysaccharide K40 antigen from Escherichia coli O8:K40:H9. Dengler T, et al. **Carbohydr Res** 1986 Aug 1;150:233–40

The use of bacteriophage depolymerization in the structural investigation of the capsular polysaccharide from Klebsiella serotype K3. Dutton GG, et al. **Carbohydr Res** 1986 Jul 1;149(2):411–23

The structural elucidation of the capsular polysaccharide of Klebsiella K68. Dutton GG, et al. **Carbohydr Res** 1986 Sep 1;152:249–59

Characterization of the group A streptococcal polysaccharide by two-dimensional 1H-nuclear-magnetic-resonance spectroscopy. Huang DH, et al. **Carbohydr Res** 1986 Nov 1;155:193–9

Structural studies of the capsular polysaccharide from Streptococcus pneumoniae types 15B and 15C. Jansson PE, et al. **Carbohydr Res** 1987 Apr 15;162(1):111–6

Structural studies of a polysaccharide (S-88) elaborated by Pseudomonas ATCC 31554. Jansson PE, et al. **Carbohydr Res** 1986 Nov 15;156:165–72

Studies of the primary structure of the capsular polysaccharide from Klebsiella serotype K15. Nath K, et al. **Carbohydr Res** 1987 Mar 15;161(1):91–6

Structural studies of the O-antigen polysaccharide of Escherichia coli 09a. Parolis LA, et al. **Carbohydr Res** 1986 Nov 1;155:272–6

Quantitative analysis of linkage positions in a complex D-glucan by the reductive-cleavage method. Rolf D, et al. **Carbohydr Res** 1986 Sep 1;152:343–9

The molecular size and shape of xanthan, xylinan, bronchial mucin, alginate, and amylose as revealed by electron microscopy. Stokke BT, et al. **Carbohydr Res** 1987 Feb 15;160:13–28

The influence of sidechains on the calculated dimensions of three related bacterial polysaccharides. Talashek TA, et al. **Carbohydr Res** 1987 Feb 15;160:303–16

Structural studies of the putative O-specific polysaccharide of Serratia marcescens O9. Oxley D, et al. **Eur J Biochem** 1987 Jul 15;166(2):421–4

Structure determination of the O-specific polysaccharides from Citrobacter O4- and O27-lipopolysaccharides by methylation analysis and one- and two-dimensional 1H-NMR spectroscopy. Romanowska E, et al. **FEBS Lett** 1987 Jan 26;211(2):175–8

Ultrastructure of extracellular polysaccharides produced by serotype c Streptococcus mutans. Toda Y, et al. **J Dent Res** 1987 Aug;66(8):1364–9

ADMINISTRATION & DOSAGE

Augmentation of antibody responses of mice to inhaled protein antigens by simultaneously inhaled bacterial

lipopolysaccharides. Mizoguchi K, et al. **Immunobiology** 1986 Oct;173(1):63–71

Vaccine potential of Haemophilus pleuropneumoniae oligosaccharide–tetanus toxoid conjugates. Fenwick BW, et al. **Infect Immun** 1986 Nov;54(2):583–6

ADVERSE EFFECTS

Haemophilus influenzae type b polysaccharide vaccine. **Can Med Assoc J** 1987 Sep 1;137(5):420–1

ANALYSIS

Another polysaccharide antigen of Eubacterium saburreum with heptose as the main constituent. Hofstad T, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Apr; 95(2):151–2

Chemical marker for the differentiation of group A and group B streptococci by pyrolysis–gas chromatography–mass spectrometry. Smith CS, et al. **Anal Chem** 1987 May 15; 59(10):1410–3

Brucella lipopolysaccharides and polysaccharides. Moreno E, et al. **Ann Inst Pasteur Microbiol** 1987 Jan–Feb; 138(1):102–5 (13 ref.)

Analysis of bacterial exopolysaccharides. Kennedy AF, et al. **Biotechnol Appl Biochem** 1987 Feb;9(1):12–9

A new coagglutination test for detecting pneumococcal C-polysaccharide. Krook A, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):68–9

Diagnosis of pneumococcal pneumonia by detection of antigen in saliva. Krook A, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):639–42

The structure of the lipopolysaccharide O-chain (M antigen) and polysaccharide B produced by Brucella melitensis 16M. Bundle DR, et al. **FEBS Lett** 1987 Jun 1;216(2):261–4

Physical heterogeneity of neisserial lipooligosaccharides reflects oligosaccharides that differ in apparent molecular weight, chemical composition, and antigenic expression. Griffiss JM, et al. **Infect Immun** 1987 Aug;55(8):1792–800

Purification and partial characterization of the capsular polymer of Haemophilus pleuropneumoniae serotype 5. Inzana TJ. **Infect Immun** 1987 Jul;55(7):1573–9

Effect of culture conditions on the structure of Streptococcus pneumoniae type 19A(57) capsular polysaccharide. Lee CJ, et al. **Infect Immun** 1987 Aug;55(8):1819–23

Chemical characterization and immunogenicity of capsular polysaccharide isolated from mucoid Staphylococcus aureus. Lee JC, et al. **Infect Immun** 1987 Sep;55(9):2191–7

Chemical composition and immunological characterization of polysaccharide antigen from Eubacterium saburreum T18. Nakazawa F, et al. **Infect Immun** 1987 Apr;55(4):871–6

Biochemical and immunochemical properties of the cell surface of Renibacterium salmoninarum. Fiedler F, et al. **J Bacteriol** 1986 Nov;168(2):799–804

A monoclonal antibody against meningococcus group B polysaccharides distinguishes embryonic from adult N-CAM. Rougon G, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2429–37

Purification, characterization and immunological properties of the serotype-specific capsular polysaccharide of Pasteurella haemolytica serotype A7 organisms. Adlam C, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1079–87

A highly specific two-site ELISA for pneumococcal C-polysaccharide using monoclonal and affinity-purified polyclonal antioodies. Sjögren AM, et al. **J Immunol Methods** 1987 Aug 24;102(1):93–100

Capsular polysaccharide antigenemia in rats with experimental endocarditis due to Staphylococcus aureus. Arbeit RD, et al. **J Infect Dis** 1987 Feb;155(2):242–6

Group B streptococcal polysaccharide detection in the urine of neonates by staphylococcal co-agglutination. Bromberg K, et al. **Med Microbiol Immunol (Berl)** 1986;175(5):293–8

Composition of a polysaccharide from mycoplasma (F-38) recognised by antibodies from goats with contagious pleuropneumonia. Rurangirwa FR, et al. **Res Vet Sci** 1987 Mar;42(2):175–8

[Quantitative spectrophotometric determination of prodigiozan in the visible spectrum] Shchedrina LE, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):682–4 (Eng. Abstr.) **(Rus)**

[Immunoelectrophoretic identification of the molecular heterogeneity of meningococcal serogroup polysaccharides] Belova TN, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul;(7):34–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The production and release of an extracellular polysaccharide during starvation of a marine Pseudomonas sp. and the effect thereof on adhesion. Wrangstadh M, et al. **Arch Microbiol** 1986 Aug;145(3):220–7

Biosynthetic studies on N-acetylmannosaminuronic acid containing teichuronic acid in Bacillus megaterium. Arakawa H, et al. **Can J Microbiol** 1986 Oct;32(10):822–5

Biosynthesis of the wall neutral polysaccharide in Bacillus cereus AHU 1356. Murazumi N, et al. **Eur J Biochem** 1986 Nov 17;161(1):51–9

Biosynthesis of poly(galactosylglycerol phosphate) in Bacillus coagulans. Yokoyama K, et al. **Eur J Biochem** 1987 May 15;165(1):47–53

Common loci for Agrobacterium tumefaciens and Rhizobium meliloti exopolysaccharide synthesis and their roles in plant interactions. Cangelosi GA, et al. **J Bacteriol** 1987 May; 169(5):2086–91

Biosynthesis of Rhizobium trifolii capsular polysaccharide: enzymatic transfer of pyruvate substitutions into lipid-bound saccharide intermediates. Gardiol AE, et al. **J Bacteriol** 1986 Dec;168(3):1459–62

A Rhizobium meliloti mutant that forms ineffective pseudonodules in alfalfa produces exopolysaccharide but fails to form beta-(1——2) glucan. Geremia RA, et al. **J Bacteriol** 1987 Feb;169(2):880–4

Genetic and physical analyses of a cluster of genes essential for xanthan gum biosynthesis in Xanthomonas campestris. Harding NE, et al. **J Bacteriol** 1987 Jun;169(6):2854–61

Biosynthesis of a galactose-and galacturonic acid-containing polysaccharide in Rhizobium meliloti. Ugalde RA, et al. **J Bacteriol** 1986 Oct;168(1):270–5

Aeration selects for mucoid phenotype of Pseudomonas aeruginosa. Krieg DP, et al. **J Clin Microbiol** 1986 Dec; 24(6):986–90

Sequence of psi, a gene on the symbiotic plasmid of Rhizobium phaseoli which inhibits exopolysaccharide synthesis and nodulation and demonstration that its transcription is inhibited by psr, another gene on the symbiotic plasmid. Borthakur D, et al. **MGG** 1987 Apr; 207(1):149–54

Analysis of the K1 capsule biosynthesis genes of Escherichia coli: definition of three functional regions for capsule production. Boulnois GJ, et al. **MGG** 1987 Jun; 208(1–2):242–6

[Extracellular insoluble polysaccharides synthesized by Streptococcus mutans in vitro] Zhou XD, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):136–9 (Eng. Abstr.) **(Chi)**

[Comparative analysis of 2 Bacillus polymyxa strains differing in the spectrum of exogenous polysaccharides produced] Glukhova EV, et al. **Antibiot Med Biotekhnol** 1986 Oct; 31(10):743–8 (Eng. Abstr.) **(Rus)**

[Optimization of a medium and the role of its various components for the biosynthesis of Mycobacterium cyaneum exopolysaccharide] Semenova EV, et al. **Mikrobiologiia** 1986 Jul–Aug;55(4):643–7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Streptococcus pneumoniae type XIV polysaccharide: synthesis of a repeating branched tetrasaccharide with dioxa-type spacer-arms. Amvam-Zollo PH, et al. **Carbohydr Res** 1986 Aug 1;150:199–212

Synthesis of oligosaccharide fragments of the repeating unit of Salmonella kentucky O-specific polysaccharide and conversion of the oligosaccharides into the glycosyl phosphates. Torgov VI, et al. **Carbohydr Res** 1987 Mar 15;161(1):97–112

[Enzymatic synthesis of polyprenyl phosphosugars in Salmonella serotype C1] Druzhinina TN, et al. **Bioorg Khim** 1986 Sep;12(9):1234–9 (Eng. Abstr.) **(Rus)**

[Synthesis of the capsular polysaccharide of Streptococcus pneumoniae type 14] Nifant'ev NE, et al. **Bioorg Khim** 1987 Feb;13(2):273–7 (Eng. Abstr.) **(Rus)**

[Synthesis of a repeating unit and the dimer of the repeating unit of the major chain of Shigella flexneri O-antigen polysaccharide] Tsvetkov IuE, et al. **Bioorg Khim** 1986 Sep; 12(9):1213–24 (Eng. Abstr.) **(Rus)**

GENETICS

Plasmid-encoded expression of lipopolysaccharide O-antigenic polysaccharide in enteropathogenic Escherichia coli. Riley LW, et al. **Infect Immun** 1987 Sep; 55(9):2052–6

Alteration of surface properties in a Tn5 mutant strain of Rhizobium trifolii 0403. Gardiol AE, et al. **J Bacteriol** 1987 Mar;169(3):1161–7

Molecular cloning and analysis of genes for production of K5, K7, K12, and K92 capsular polysaccharides in Escherichia coli. Roberts I, et al. **J Bacteriol** 1986 Dec; 168(3):1228–33

Clustering of mutations blocking synthesis of xanthan gum by Xanthomonas campestris. Thorne L, et al. **J Bacteriol** 1987 Aug;169(8):3593–600

Lysogenic conversion of Salmonella typhimurium bacteriophages A3 and A4 consists of O-acetylation of rhamnose of the repeating unit of the O-antigenic polysaccharide chain. Wollin R, et al. **J Bacteriol** 1987 Mar; 169(3):1003–9

IMMUNOLOGY

Long lasting IgG subclass and antibacterial polysaccharide antibody deficiency after allogeneic bone marrow transplantation. Aucouturier P, et al. **Blood** 1987 Sep; 70(3):779–85

Increased activation of antigen-primed or memory B cells by bacterial lipopolysaccharide. Fauntleroy MB, et al. **Cell Immunol** 1987 Jul;107(2):263–72

Increased concentration of serum IgA antibody to pneumococcal polysaccharides in patients with IgA nephropathy. Drew PA, et al. **Clin Exp Immunol** 1987 Jan; 67(1):124–9

Development of anti-polysaccharide antibodies in asplenic children. Hammarström L, et al. **Clin Exp Immunol** 1986 Nov;66(2):457–62

Immunoglobulin G class and subclass antibodies to pneumococcal capsular polysaccharides. Chudwin DS, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):114–21

Ligand-binding and idiotypic cross-reactions between anti-DNA antibodies and antibodies to Klebsiella K30 polysaccharide in patients with systemic lupus erythematosus or rheumatoid arthritis. Harkiss GD, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):283–96

Effect of Fluosol DA 20% on antibody response to type 3 pneumococcal polysaccharide in rats. Molina NC, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):211–7

Role of encapsulated anaerobic bacteria in synergistic infections. Brook I. **CRC Crit Rev Microbiol** 1987; 14(3):171–93 (84 ref.)

Characteristics of two types of meningococcal group C polysaccharide conjugates using tetanus toxoid as carrier protein. Beuvery EC, et al. **Dev Biol Stand** 1986;65:197–204

Etiologic diagnosis of pneumonia by antigen detection: crossreactions between pneumococcal C-polysaccharide and oral microorganisms. Sjögren AM, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):239–48

Contribution of the mannan O side-chains to the adjuvant action of lipopolysaccharides. Ohta M, et al. **Immunology** 1987 Apr;60(4):503–7

Immunoregulatory role of the spleen in antibody responses to pneumococcal polysaccharide antigens. Cohn DA, et al. **Infect Immun** 1987 Jun;55(6):1375–80

Vaccine potential of Pseudomonas aeruginosa O-polysaccharide-toxin A conjugates. Cryz SJ Jr, et al. **Infect Immun** 1987 Jul;55(7):1547–51

Immunization against fatal experimental Klebsiella pneumoniae pneumonia. Cryz SJ Jr, et al. **Infect Immun** 1986 Nov;54(2):403–7

Immune responses to the lipopolysaccharides and capsular polysaccharides of Haemophilus pleuropneumoniae in convalescent and immunized pigs. Fenwick BW, et al. **Infect Immun** 1986 Nov;54(2):575–82

Serotype specificity and immunogenicity of the capsular polymer of Haemophilus pleuropneumoniae serotype 5. Inzana TJ, et al. **Infect Immun** 1987 Jul;55(7):1580–7

Immunological study of cross-reactive polysaccharide antigens (types a, d, and h) of oral Streptococcus spp. with monoclonal antibodies. Ota F, et al. **Infect Immun** 1987 Jan;55(1):266–8

Immunogenic properties of Klebsiella pneumoniae type 2 capsular polysaccharide. Robert A, et al. **Infect Immun** 1986 Nov;54(2):365–70

Pneumococcal intracellular killing is abolished by polysaccharide despite serum complement activity. Schweinle JE. **Infect Immun** 1986 Dec;54(3):876–81

Effect of acetylation on arthropathic activity of group A streptococcal peptidoglycan-polysaccharide fragments. Stimpson SA, et al. **Infect Immun** 1987 Jan;55(1):16–23

Rabbit antibodies to the cell wall polysaccharide of Streptococcus pneumoniae fail to protect mice from lethal challenge with encapsulated pneumococci. Szu SC, et al. **Infect Immun** 1986 Nov;54(2):448–55

Role of capsule and O antigen in resistance of Klebsiella pneumoniae to serum bactericidal activity. Tomás JM, et al. **Infect Immun** 1986 Oct;54(1):85–9

A murine monoclonal antibody specific for the outer core oligosaccharide of Salmonella lipopolysaccharide. Tsang RS, et al. **Infect Immun** 1987 Jan;55(1):211–6

Separate antigenic determinants on cell wall associated carbohydrate antigens of Mycobacterium leprae defined with monoclonal antibodies. Britton WJ, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):545–55

Structure and immunochemistry of an oligosaccharide repeating unit of the capsular polysaccharide of type III group B Streptococcus. A revised structure for the type III group B streptococcal polysaccharide antigen. Wessels MR, et al. **J Biol Chem** 1987 Jun 15;262(17):8262–7

Serotyping and electron microscopy studies of Staphylococcus aureus clinical isolates with monoclonal antibodies to capsular polysaccharide types 5 and 8. Hochkeppel HK, et al. **J Clin Microbiol** 1987 Mar; 25(3):526–30

Detection of immunoglobulin G to Pasteurella haemolytica capsular polysaccharide by enzyme-linked immunosorbent assay. Townsend EL, et al. **J Clin Microbiol** 1987 Feb; 25(2):242–7

N-propionylated group B meningococcal polysaccharide mimics a unique epitope on group B Neisseria meningitidis. Jennings HJ, et al. **J Exp Med** 1987 Apr 1;165(4):1207–11

Molecular dissection of the murine antibody response to streptococcal group A carbohydrate. Lutz CT, et al. **J Exp Med** 1987 Feb 1;165(2):531–45

The role of surface polysaccharide in determining the resistance of Serratia marcescens to serum killing. Jessop HL, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2505–14

Characterization and activity of contrasuppressor T cells induced by type III pneumococcal polysaccharide. Braley-Mullen H. **J Immunol** 1986 Nov 1;137(9):2761–7

Characterization of Shigella flexneri-specific murine monoclonal antibodies by chemically defined glycoconjugates. Carlin NI, et al. **J Immunol** 1986 Oct 1; 137(7):2361–6

Immunoregulation by antigen/antibody complexes. I. Specific immunosuppression induced in vivo with immune complexes formed in antibody excess. Caulfield MJ, et al. **J Immunol** 1987 Jun 1;138(11):3680–3

Immunoprotective murine monoclonal antibodies specific for the outer-core polysaccharide and for the O-antigen of Escherichia coli 0111:B4 lipopolysaccharide (LPS).

Coughlin RT, et al. **J Immunol** 1987 Jul 15;139(2):557–61

An IgG monoclonal antibody to group B meningococci cross–reacts with developmentally regulated polysialic acid units of glycoproteins in neural and extraneural tissues. Finne J, et al. **J Immunol** 1987 Jun 15;138(12):4402–7

Interaction of IgG3 anti–streptococcal group A carbohydrate (GAC) antibody with streptococcal group A vaccine: enhancing and inhibiting effects of anti–GAC, anti–isotypic, and anti–idiotypic antibodies. Greenspan NS, et al. **J Immunol** 1987 Jan 1;138(1):285–92

C3b generation is affected by the structure of the O–antigen polysaccharide in lipopolysaccharide from salmonellae. Jimenez–Lucho VE, et al. **J Immunol** 1987 Aug 15; 139(4):1253–9

The type–specific capsular carbohydrate of Hemophilus influenzae B is a potent mitogen for murine B lymphocytes. Lucas AH, et al. **J Immunol** 1986 Nov 15;137(10):3130–4

Isotype concentrations of human antibodies to Haemophilus influenzae type b polysaccharide (Hib) in young adults immunized with the polysaccharide as such or conjugated to a protein (diphtheria toxoid). Mäkelä O, et al. **J Immunol** 1987 Sep 15;139(6):1999–2004

In vitro human antibody production to the Haemophilus influenzae type b capsular polysaccharide. Munoz JL, et al. **J Immunol** 1987 Sep 15;139(6):2026–31

Isotype concentrations of human antibodies to group A meningococcal polysaccharide. Rautonen N, et al. **J Immunol** 1986 Oct 15;137(8):2670–5

Subclass distribution of human antibodies to Haemophilus influenzae type b capsular polysaccharide. Shackelford PG, et al. **J Immunol** 1987 Jan 15;138(2):587–92

New 23–valent pneumococcal vaccine in relation to pneumococcal serotypes in systemic and non–systemic disease. Smart LE, et al. **J Infect** 1987 May;14(3):209–15

Immunochemical variables affecting radioantigen–binding assays of antibody to Haemophilus influenzae type b capsular polysaccharide in childrens' sera. Anderson P, et al. **J Infect Dis** 1987 Oct;156(4):582–90

Naturally occurring antibodies to phosphocholine as a potential index of antibody responsiveness to polysaccharides. Briles DE, et al. **J Infect Dis** 1987 Jun; 155(6):1307–14

Lack of comparability between commonly used serological assays of immune response to Haemophilus influenzae vaccine. Edwards KM, et al. **J Infect Dis** 1987 Feb; 155(2):283–91

Reactogenicity and immunogenicity of a quadrivalent combined meningococcal polysaccharide vaccine in children. Lepow ML, et al. **J Infect Dis** 1986 Dec; 154(6):1033–6

Immunity to Haemophilus influenzae type b in young adults: correlation of bactericidal and opsonizing activity of serum with antibody to polyribosylribitol phosphate and lipooligosaccharide before and after vaccination. Musher D, et al. **J Infect Dis** 1986 Dec;154(6):935–43

Immunologic priming to capsular polysaccharide in infants immunized with Haemophilus influenzae type b polysaccharide–Neisseria meningitidis outer membrane protein conjugate vaccine. Weinberg GA, et al. **J Pediatr** 1987 Jul;111(1):22–7

Human complement activation by purified Capnocytophaga exopolysaccharide. Measurement by radioimmunoassay. Bolton RW, et al. **J Periodont Res** 1986 Nov;21(6):634–9

Immunization with heat–killed pneumococci, but not pneumococcal capsular polysaccharides, improves survival in splenectomized mice. Hebert JC. **J Surg Res** 1987 Jan; 42(1):19–23

The carbohydrate–containing antigens of Mycobacterium leprae. Brennan PJ. **Lepr Rev** 1986 Dec;57 Suppl 2:39–51

Immunochemical and related interactions with dextrans reviewed in terms of improved structural information. Jeanes A. **Mol Immunol** 1986 Sep;23(9):999–1028 (133 ref.)

Children with selective IgG subclass deficiency and recurrent sinopulmonary infection: impaired response to bacterial capsular polysaccharide antigens. Umetsu DT, et al. **Monogr Allergy** 1986;20:57–61

An immunodeficiency characterized by impaired antibody responses to polysaccharides. Ambrosino DM, et al. **N Engl J Med** 1987 Mar 26;316(13):790–3

Hemophilus influenzae type B disease in children vaccinated with type B polysaccharide vaccine. Granoff DM, et al. **N Engl J Med** 1986 Dec 18;315(25):1584–90

Opsonophagocytic killing antibody to Pseudomonas aeruginosa mucoid exopolysaccharide in older noncolonized patients with cystic fibrosis. Pier GB, et al. **N Engl J Med** 1987 Sep 24;317(13):793–8

Prevention of Haemophilus influenzae type b infections in high–risk infants treated with bacterial polysaccharide immune globulin. Santosham M, et al. **N Engl J Med** 1987 Oct 8;317(15):923–9

Pneumococcal polysaccharide antibody levels in patients with term and preterm pregnancies [letter] Amstey MS. **Obstet Gynecol** 1987 Apr;69(4):685–6

Serum antibodies to pneumococcal C polysaccharide in children: response to acute pneumococcal otitis media or to vaccination. Koskela M. **Pediatr Infect Dis J** 1987 Jun; 6(6):519–26

Maternal immunization and the immune response of neonates to pneumococcal polysaccharides. Lee CJ, et al. **Rev Infect Dis** 1987 May–Jun;9(3):494–510 (122 ref.)

Vaccination–induced circulation of human B cells secreting type–specific antibodies against pneumococcal polysaccharides. Heilmann C, et al. **Scand J Immunol** 1987 Jan;25(1):61–7

Characterization of the common immunodominant antigenic determinant in the lipopolysaccharide of Bacteroides fragilis by a monoclonal antibody. Linko L, et al. **Scand J Immunol** 1987 May;25(5):469–75

The in vitro B–cell response to pneumococcal polysaccharides in adults and neonates. Rijkers GT, et al. **Scand J Immunol** 1987 May;25(5):447–52

Local response in rat to liposome–associated Streptococcus mutans polysaccharide–protein conjugate. Bruyere T, et al. **Vaccine** 1987 Mar;5(1):39–42

An integrated molecular and immunological approach towards a meningococcal group B vaccine. Lifely MR, et al. **Vaccine** 1987 Mar;5(1):11–26 (67 ref.)

O–polysaccharide–protein conjugates induce high levels of specific antibodies to Pseudomonas aeruginosa immunotype 3 lipopolysaccharide. van de Wiel PA, et al. **Vaccine** 1987 Mar;5(1):33–8

Immunomodifying activity of some amphiphilic compounds from pathogenic Pseudomonas aeruginosa strains. Gil I, et al. **Zentralbl Mikrobiol** 1986;141(6):453–60

[Reactions of lectins with animal–pathogenic Streptococci of the serological group C and S. uberis] Niewerth B, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):206–10 **(Ger)**

[Fundamental studies on the measurement of antibody against C–polysaccharide extracted from cell walls of group A Streptococcus by the enzyme–linked immunosorbent assay (ELISA)] Todome Y, et al. **Kansenshogaku Zasshi** 1987 Jan;61(1):54–63 (Eng. Abstr.) **(Jpn)**

[Studies on the measurement of antibody against the C–polysaccharide antigen of group A Streptococcus by the enzyme–linked immunosorbent assay] Todome Y, et al. **Nippon Saikingaku Zasshi** 1987 Mar;42(2):513–6 (Eng. Abstr.) **(Jpn)**

[Somatic antigens of Shigella and Escherichia coli. Determination of the structure of O–specific polysaccharide from Shigella boydii type 12 and its serological properties compared with the O–specific polysaccharide from Escherichia coli] L'vov VL, et al. **Bioorg Khim** 1986 Sep;12(9):1240–52 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies against group A streptococcal polysaccharide reacting with basal–cell antigen of tumors histogenetically related to epidermal tissues] Beletskaia LV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):435–7 (Eng. Abstr.) **(Rus)**

[Preparation of monoclonal antibodies to nuclear DNA of mammalian cells by immunization with group A streptococcal polysaccharide conjugated with synthetic polyelectrolytes] Drobyshevskaia EI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):210–2 (Eng. Abstr.) **(Rus)**

[Antibodies reacting with thymus and skin epithelium and antibodies to cell nuclei in immunization with streptococcal group A polysaccharide conjugated with synthetic polyelectrolytes] Ryzhikova EV, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):707–10 (Eng. Abstr.) **(Rus)**

[Immunodiffusion method of determining antibodies to the specific antigenic determinant of streptococcal group A polysaccharide in human sera] Borodiuk NA, et al. **Lab Delo** 1986;(11):692–4 (Eng. Abstr.) **(Rus)**

[Evaluation of the methods of classifying immunoglobulins against group–specific meningococcal polysaccharides] Tumanian AA. **Lab Delo** 1986;(8):490–2 (Eng. Abstr.) **(Rus)**

[Development of a polyvalent erythrocyte diagnostic agent based on the antigens of Pseudomonas aeruginosa slime] Aleksandrova IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):72–5 (Eng. Abstr.) **(Rus)**

[Immunologic properties of purified and complex preparations of group–B meningococcal polysaccharide] Alliluev AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):7–12 (Eng. Abstr.) **(Rus)**

[Safety, reactogenicity and immunological activity of a group A meningococcal polysaccharide vaccine for children 1–4 years old] Chernyshova TF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):54–8 (Eng. Abstr.) **(Rus)**

[Comparative immunochemical characteristics of extracellular polysaccharide–containing preparations and teichoic acids of Staphylococcus aureus] Iastrebova NE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug; (8):14–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Structural investigation of the capsular polysaccharide from Klebsiella K19 by chemical and N.M.R. analyses. Beurret M, et al. **Carbohydr Res** 1986 Dec 1;157:13–25

Analysis of the chain length of oligomers and polymers of sialic acid isolated from Neisseria meningitidis group B and C and Escherichia coli K1 and K92. Lifely MR, et al. **Carbohydr Res** 1986 Nov 15;156:123–35

Structural characterisation of an anti–complementary arabinogalactan from the roots of Angelica acutiloba Kitagawa. Yamada H, et al. **Carbohydr Res** 1987 Feb 1; 159(2):275–91

Structural studies on the capsular polysaccharide of Klebsiella serotype K40. Nath RK, et al. **Eur J Biochem** 1987 Jan 15;162(2):439–43

Molecular basis for group B beta–hemolytic streptococcal disease. Hellerqvist CG, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):51–5

[Isolation and characteristics of a specific polysaccharide of group–B meningococci] Kuvakina VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):3–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Reconstitution of emulsifying activity of Acinetobacter calcoaceticus BD4 emulsan by using pure polysaccharide and protein. Kaplan N, et al. **Appl Environ Microbiol** 1987 Feb;53(2):440–6

Surface biofilm disruption. Enhanced recovery of microorganisms from vascular prostheses. Tollefson ED, et al. **Arch Surg** 1987 Jan;122(1):38–43

Special bacterial polysaccharides and polysaccharases. Harada T. **Biochem Soc Symp** 1983;48:97–116 (91 ref.)

Effect of xylitol and sorbitol on polysaccharide production by and adhesive properties of Streptococcus mutans. Söderling E, et al. **Caries Res** 1987;21(2):109–16

Degradation of Streptococcus mutans water–soluble glucans by dextran–glucosidase from Streptococcus mitis. Sund ML, et al. **Caries Res** 1987;21(1):1–6

Magnetic response in cultures of Streptococcus mutans ATCC–27607. Adamkiewicz VW, et al. **Exp Biol** 1987; 46(3):127–32

Two additional bacteriophage–associated glycan hydrolases cleaving ketosidic bonds of 3–deoxy–D–manno–octulosonic acid in capsular polysaccharides of Escherichia coli. Altmann F, et al. **FEBS Lett** 1987 Aug 31;221(1):145–9

Reexamination of the presence and linkage of 3–hydroxybutyryl substituents in the acidic capsular polysaccharide of Rhizobium trifolii 0403. Hollingsworth RI, et al. **J Bacteriol** 1987 Jul;169(7):3369–71

Extracellular oligosaccharides and low–Mr polysaccharides containing (1——2)–beta–D–glucosidic linkages from strains of Xanthomonas, Escherichia coli and Klebsiella pneumoniae. Amemura A, et al. **J Gen Microbiol** 1986 Sep; 132 (Pt 9):2443–52

[Importance of exocellular polysaccharides in biological purification of water] Aliberti F, et al. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1425–32 (Eng. Abstr.) **(Ita)**

[Acceptor specificity of mannosyl transferases from Salmonella of serotypes C2 and C3] Druzhinina TN, et al. **Bioorg Khim** 1986 Dec;12(12):1589–96 (Eng. Abstr.) **(Rus)**

[Characterization of an enzyme associated with a bacteriophage that depolymerizes the capsular polysaccharide of Klebsiella pneumoniae K–8] Barrera N, et al. **Rev Latinoam Microbiol** 1987 Jan–Mar;29(1):57–62 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

The dietary effects of xanthan gum in man. Eastwood MA, et al. **Food Addit Contam** 1987 Jan–Mar;4(1):17–26

Effect of muralytic enzyme degradation of streptococcal cell wall on complement activation in vivo and in vitro. Janusz MJ, et al. **Inflammation** 1987 Mar;11(1):73–85

The role of granulocytes in the pulmonary response to group B streptococcal toxin in young lambs. Engelhardt B, et al. **Pediatr Res** 1987 Feb;21(2):159–65

[Generation of pro–coagulation activity by leukocytes stimulated in vitro with lipoglycans from mycoplasmas] Monno RA, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec; 78(7–12):144–54 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Role of capsule in adherence of Haemophilus influenzae type b to human buccal epithelial cells. LiPuma JJ, et al. **Infect Immun** 1987 Sep;55(9):2308–10

Identification of a new virulence locus in Agrobacterium tumefaciens that affects polysaccharide composition and plant cell attachment. Thomashow MF, et al. **J Bacteriol** 1987 Jul;169(7):3209–16

Role of bacterial exopolymers and host factors on adherence and phagocytosis of Staphylococcus aureus in foreign body infection. Falcieri E, et al. **J Infect Dis** 1987 Mar; 155(3):524–31

Effects of Bacteroides asaccharolyticus cells and B. fragilis surface components on serum opsonisation and phagocytosis. Jones GR, et al. **J Med Microbiol** 1986 Nov; 22(3):225–9

Encapsulated anaerobic bacteria in synergistic infections. Brook I. **Microbiol Rev** 1986 Dec;50(4):452–7 (43 ref.)

Opsonin independent interaction of Klebsiella strains with human polymorphonuclear leukocytes. Przondo–Hessek A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov; 262(4):522–30

RADIATION EFFECTS

Ultrasonic irradiation of bacterial polysaccharides. Characterization of the depolymerized products and some applications of the process. Szu SC, et al. **Carbohydr Res** 1986 Sep 1;152:7–20

THERAPEUTIC USE

[Effect of prodigiozan, levamisole and methyluracil on the

course of an experimental infection and primary immune response] Riabchinskaia LA, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):606–10 (Eng. Abstr.) **(Rus)**

[Effect of bacterial lipopolysaccharide preparations on hemopoiesis in depressed hemopoiesis induced by ionizing radiation] Baranov MN, et al. **Gematol Transfuziol** 1986 Oct;31(10):30–3 (Eng. Abstr.) **(Rus)**

[Possibility of using prodigiozan to increase the efficacy of combined treatment of breast cancer] Shevchenko VP. **Klin Khir** 1987;(5):9–12 (Eng. Abstr.) **(Rus)**

[Dynamics of various indices of nonspecific bodily resistance among ginnery workers inhaling prodigiozan] Kuznetsov VS, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):55–8 (Eng. Abstr.) **(Rus)**

[Differential use of preformed physical factors in prodigiozan treatment of chronic salpingo–oophoritis] Strugatskii VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):66–8 **(Rus)**

[Prodigiozan treatment of patients with acute myeloblastic leukemia] Tishchenko LM, et al. **Vrach Delo** 1987 Jan; (1):69–72 (Eng. Abstr.) **(Rus)**

TOXICITY

Induction of pulmonary inflammation by components of the pneumococcal cell surface. Tuomanen E, et al. **Am Rev Respir Dis** 1987 Apr;135(4):869–74

Effects of muramyl dipeptide and lead acetate on carbon clearance and endotoxin–induced mortality in mice. Cheadle WG, et al. **Am Surg** 1986 Nov;52(11):613–7

Lipopolysaccharide induces recurrence of arthritis in rat joints previously injured by peptidoglycan–polysaccharide. Stimpson SA, et al. **J Exp Med** 1987 Jun 1;165(6):1688–702

POLYSOMES see **POLYRIBOSOMES**

POLYSORBATE 20 see **POLYSORBATES**

POLYSORBATE 80 see **POLYSORBATES**

POLYSORBATES

Polysorbate 20 as a drug release regulator in ethyl cellulose film coatings. Lindholm T, et al. **J Pharm Pharmacol** 1986 Sep;38(9):686–8

[Edge surface characteristics of emulsifiers. II. Edge surface tension of solutions of o/w and w/o emulsifiers] Ugrinė–Hunyadvári E, et al. **Acta Pharm Hung** 1987 Mar; 57(1–2):61–72 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Oxalosis and the E–Ferol toxicity syndrome [letter] Conyers RA, et al. **JAMA** 1986 Nov 21;256(19):2677–8

ANALYSIS

Analysis of polysorbate and its polyoxyethylated metabolite. McKean DL, et al. **Anal Biochem** 1987 Mar;161(2):348–51

Ionophoric properties of polysorbate 80. Thoman CJ. **J Pharm Sci** 1986 Oct;75(10):983–6

PHARMACODYNAMICS

Intestinal calcium absorption in the rat after oral Tween 80 administration. Fauran–Clavel MJ, et al. **Biomed Pharmacother** 1986;40(6):221–5

Tween 20 removes antibodies and other proteins from nitrocellulose. Hoffman WL, et al. **J Immunol Methods** 1986 Nov 20;94(1–2):191–6

Effect of body position, epinephrine, and a surface–tension–lowering substance on the eustachian tube opening in the rat. Malm L, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):138–44

Effects of polysorbate 20 on bacterial growth. Onawunmi GO, et al. **Pharmazie** 1987 Feb;42(2):100–2

Absorption of Adriamycin into the systemic circulation after intravesical instillation with or without Tween 80 in the rat. Hellsten S, et al. **Urol Res** 1987;15(1):21–3

[Effect of neutral solvents on lectin binding of healthy and psoriatic epidermis] Wollina U, et al. **Z Hautkr** 1986 Oct 1;61(19):1379–82 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Intravesical chemotherapy: combination with Tween 80 increases cytotoxicity in vitro. Parris CN, et al. **Urol Res** 1987;15(1):17–20

TOXICITY

Effect of gavage vehicle on hepatotoxicity of carbon tetrachloride in CD–1 mice: corn oil versus Tween–60 aqueous emulsion. Condie LW, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):199–206

Surfactant–induced opacity of bovine isolated cornea: an epithelial phenomenon? Muir CK. **Toxicol Lett** 1987 Sep; 38(1–2):51–4

POLYSTYRENES

The influence of radioiodination on the adsorption of IgG and serum albumin to polystyrene. Walsh J, et al. **Anal Biochem** 1986 Nov 1;158(2):413–23

Use of a styrene–maleic anhydride copolymer as an adjuvant with testosterone–serum albumin immunogens and its application to increasing ovulation rate in the ewe. Wong MS, et al. **Aust J Biol Sci** 1986;39(1):99–108

Interaction of polystyrene/poly(gamma–benzyl L–glutamate) and poly(methyl methacrylate)/poly(gamma–benzyl L–glutamate) block copolymers with plasma proteins and platelets. Mori A, et al. **Biomaterials** 1986 Sep;7(5):386–92

Connective tissue responses to some heavy metals. I. Sodium loaded ion exchange beads as a control: histology and ultrastructure. Ellender G, et al. **Br J Exp Pathol** 1987 Jun;68(3):277–89

The neutrophil response to polystyrene microspheres bearing defined surface functional groups. Orsini AJ, et al. **Cell Biophys** 1987 Feb;10(1):33–43

Dual fluorometric/colorimetric detection system for an automated random–access instrument utilizing standard polystyrene test tubes as precision cuvettes. Astill ME, et al. **Clin Chem** 1987 Sep;33(9):1554–7

In vitro adsorption of theophylline onto amberlite XAD4 in human plasma. Laurent D, et al. **Farmaco [Prat]** 1987 Aug;42(8):199–203

Removal of unconjugated bilirubin by macroreticular resin in hemoperfusion. Chen CZ, et al. **Int J Artif Organs** 1986 Sep;9(5):323–6

Resin hemoperfusion for drug intoxication—an update. Raja RM. **Int J Artif Organs** 1986 Sep;9(5):319–22

Hydrophilic–hydrophobic microdomain surfaces having an ability to suppress platelet aggregation and their in vitro antithrombogenicity. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):919–27

Styrene copolymers as pollutant adsorbents. Safe sampling volume determination. Coppi S, et al. **J Chromatogr** 1987 Mar 25;390(2):349–55

Sedimentation volume, redispersibility and appearance of a polystyrene latex suspension in the presence of nonionic surface active agents. Law SL. **Proc Natl Sci Counc Repub China [B]** 1986 Jul;10(3):203–6

[Procedures for improving absorption properties of polystyrene microtest plates by coating with nitrocellulose] Herrmann H, et al. **Z Med Lab Diagn** 1987;28(2):104–10 (Eng. Abstr.) **(Ger)**

[Sorption capacity of polystyrene plates used in immunoenzyme analysis] Vaneeva LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):86–9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Anticancer effects of arterial administration of the anticancer agent SMANCS with lipiodol on metastatic lymph nodes. Ohtsuka N, et al. **Cancer** 1987 May 1;59(9):1560–5

[Treatment of iron–deficiency anemia in children using Fe++ adsorbed onto polystyrene sulfonate] Manzionna MM, et al. **Minerva Pediatr** 1987 Jan 31;39(1–2):65–9 (Eng. Abstr.) **(Ita)**

[Prevention of hepatic metastases in rabbits by administration of an oily anticancer agent into the portal vein] Yamasaki K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1224–8 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Intestinal necrosis due to sodium polystyrene (Kayexalate) in sorbitol enemas: clinical and experimental support for the hypothesis. Lillemoe KD, et al. **Surgery** 1987 Mar; 101(3):267–72

[A cause of alkalosis in children under hemodialysis: combined administration of magnesium hydroxide and polystyrene sodium sulfonate (letter)] Nassif F, et al. **Presse Med** 1987 May 30;16(20):1003 **(Fre)**

ANALYSIS

Effect of solvent on solid–supported reactions on styrene/divinylbenzene copolymeric macroreticular resin. Rosenfeld JM, et al. **Anal Chem** 1986 Dec;58(14):3044–7

Thrombin purification by one–step preparative affinity chromatography on modified polystyrenes. Fischer AM, et al. **J Chromatogr** 1986 Aug 8;363(1):95–100

[Determining the residues of non–bound styrene in polystyrene packaging for food products] Cwiek K, et al. **Rocz Panstw Zakl Hig** 1986;37(6):551–4 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Tc–99m labeled triethelene tetraamine polysterene resin gastric emptying studies in bulimia patients. Shih WJ, et al. **Eur J Nucl Med** 1987;13(4):192–6

METABOLISM

Heparin–like activity of insoluble sulphonated polystyrene resins. Part III: Binding of dicarboxylic amino acids. Douzon C, et al. **Biomaterials** 1987 May;8(3):190–4

A new concept for macromolecular therapeutics in cancer chemotherapy: mechanism of tumoritropic accumulation of proteins and the antitumor agent smancs. Matsumura Y, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6387–92

The organ distribution and circulation time of intravenously injected colloidal carriers sterically stabilized with a block copolymer—poloxamine 908. Illum L, et al. **Life Sci** 1987 Jan 26;40(4):367–74

Affinity of antithrombin III for insoluble modified polystyrene. Boisson C, et al. **Thromb Res** 1987 Apr 1; 46(1):101–8

[General mechanism of intratumor accumulation of macromolecules: advantage of macromolecular therapeutics] Matsumura Y, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):821–9 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Reversible morphological and functional abnormalities of RINm5F cells cultured on polystyrene sulfonate beads. Aubert N, et al. **J Biomed Mater Res** 1987 May; 21(5):585–601

THERAPEUTIC USE

Reduction of hepatic metastases in rabbits by administration of an oily anticancer agent into the portal vein. Yamasaki K, et al. **Cancer Res** 1987 Feb 1;47(3):852–5

The effectiveness of a cation resin (Kayexalate) as an adsorbent of paraquat: experimental and clinical studies. Yamashita M, et al. **Hum Toxicol** 1987 Jan;6(1):89–90

Urine–compatible polymer for long–term ureteral stenting. Cardella JF, et al. **Radiology** 1986 Nov;161(2):313–8

POLYTEF see **POLYTETRAFLUOROETHYLENE**

POLYTETRAFLUOROETHYLENE

Detection and measurement of a cellular immune–reactivity towards polyester and polytetrafluoroethylene grafts. Leukocyte adherence inhibition test. Cavallini G, et al. **Acta Chir Scand** 1987 Mar;153(3):179–84

Endothelial cell seeding efficiency onto expanded polytetrafluorethylene grafts with different coatings. Lindblad B, et al. **Acta Chir Scand** 1986 Nov;152:653–6

The natural history of Teflon catheter–associated phlebitis in children. Nelson DB, et al. **Am J Dis Child** 1987 Oct; 141(10):1090–2

Pseudotumor formation in polytetrafluoroethylene–dialysis fistulae. Fivez F, et al. **Am J Kidney Dis** 1986 Dec; 8(6):459–61

Arterial insufficiency in hemodialysis access procedures: reconstruction by an interposition polytetrafluoroethylene graft conduit. West JC, et al. **Am J Surg** 1987 Mar; 153(3):300–1

Patterns of pannus growth of the expanded polytetrafluoroethylene vascular graft with special attention to the intimal hyperplasia formation. Kuwano H, et al. **Am Surg** 1986 Dec;52(12):663–6

Rectal prolapse. An update on the rectal sling procedure. McMahan JD, et al. **Am Surg** 1987 Jan;53(1):37–40

Wet ashing in biological samples in a microwave oven under pressure using poly(tetrafluoroethylene) vessels. Aysola P, et al. **Anal Chem** 1987 Jun 1;59(11):1582–3

Saphenous vein is by far superior to PTFE as a femoropopliteal bypass [letter] McClurken ME. **Ann Surg** 1986 Nov;204(5):613–4

A self–sealing dialysis prosthesis. Coaxial double PTFE–silicone graft. Schanzer H, et al. **Ann Surg** 1986 Nov;204(5):574–9

Carbon dioxide laser in removal of polytef paste. Koch WM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun; 113(6):661–4

Progressive teflon denudation of the monopolar needle: effects on motor unit potential parameters. Chu J, et al. **Arch Phys Med Rehabil** 1987 Jan;68(1):36–40

Segmental uterine horn replacement in the rat using a biodegradable microporous synthetic tube. Jonkman MF, et al. **Artif Organs** 1986 Dec;10(6):475–80

Intra–arterial carbacyclin infusion inhibits canine platelet deposition on PTFE grafts. Boorstein JM, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):360–2

Quantitation of platelet and fibrinogen deposition on PTFE and vein grafts in dogs and the effect of vitamin E on graft thrombosis in the acute phase. Dewanjee MK, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):187–92

Extraction of solute–free water from blood by membrane distillation. Sakai K, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):397–400

PTFE–silicone self–sealing dialysis prosthesis. Schanzer H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):297–9

In vivo quantification of cell–polymer interactions. Schakenraad JM, et al. **Biomaterials** 1987 May;8(3):207–10

Clinical experience with expanded polytetrafluoroethylene suture. García–Rinaldi R, et al. **Bol Asoc Med PR** 1986 Aug;78(8):335–8

Teflon granuloma mimicking a thyroid tumor. Wilson RA, et al. **Diagn Cytopathol** 1987 Jun;3(2):156–8

Acute thrombogenicity of a compliant polyurethane urea graft compared with polytetrafluoroethylene: an experimental study in sheep. Lannerstad O, et al. **Eur Surg Res** 1987;19(1):6–10

Use of the polytetrafluoroethylene surgical membrane for control of intra–abdominal adhesions. Ratto GB, et al. **Ital J Surg Sci** 1986;16(3):165–71

Nosocomial graft fragmentation and healing response of an ePTFE angioaccess graft. Anderson JM, et al. **J Biomed Mater Res** 1987 Aug;21(A2 Suppl):153–62

Sheath detachment: a complication of cardiac catheterisation and its management. Berry AR. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct;27(5):628–9

Reconstruction with insertion of expanded

polytetrafluoroethylene (EPTFE) for iliac venous obstruction. Yamamoto N, et al. **J Cardiovasc Surg (Torino)** 1986 Nov–Dec;27(6):697–702

Teflon paste implant in unilateral vocal cord paralysis: CT characteristics. Rao VM, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):624–6

Clinical experience with Gore–Tex suture. LeBlanc KA, et al. **J La State Med Soc** 1986 Dec;138(12):39–40, 45

CT evaluation of TMJ disc replacement with a Proplast–Teflon laminate. Heffez L, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):657–65

Polytetrafluoroethylene microprosthesis in the venous system of the rat. Padilla L, et al. **J Reconstr Microsurg** 1987 Jan; 3(2):159–63

Adult human endothelial cell coverage of small–caliber Dacron and polytetrafluoroethylene vascular prostheses in vitro. Foxall TL, et al. **J Surg Res** 1986 Aug;41(2):158–72

Aorta–coronary bypass grafting with polytetrafluoroethylene conduits. Early and late outcome in eight patients. Chard RB, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):132–4

Injury to the left coronary artery during repair of tetralogy of Fallot: successful aorta–coronary polytetrafluoroethylene graft. di Carlo D, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):468–70

Reoperation for polytetrafluoroethylene bypass failure: the importance of distal outflow site and operative technique in determining outcome. Ascer E, et al. **J Vasc Surg** 1987 Feb;5(2):298–310

Impact of endothelial cell seeding on long–term patency and subendothelial proliferation in a small–caliber highly porous polytetrafluoroethylene graft. Douville EC, et al. **J Vasc Surg** 1987 Apr;5(4):544–50

Experimental colonization of an expanded polytetrafluoroethylene vascular graft with Staphylococcus aureus: a quantitative and morphologic study. Goëau–Brissonnière O, et al. **J Vasc Surg** 1987 May; 5(5):743–8

Endothelial seeding of polytetrafluoroethylene popliteal bypasses. A preliminary report. Herring MB, et al. **J Vasc Surg** 1987 Aug;6(2):114–8

Use of polytetrafluoroethylene grafts for renal bypass. Lagneau P, et al. **J Vasc Surg** 1987 May;5(5):738–42

Primary anastomotic bonding in polytetrafluoroethylene grafts? Quiñones–Baldrich WJ, et al. **J Vasc Surg** 1987 Feb; 5(2):311–8

Nerve regeneration through a synthetic microporous tube (expanded polytetrafluoroethylene): experimental study in the sciatic nerve of the rat. Cuadros CL, et al. **Microsurgery** 1987;8(2):41–7

Retained alloplastic temporomandibular joint disk implants: a retrospective study. Bronstein SL. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):135–45

The use of Teflon in orbital floor reconstruction following blunt facial trauma: a 20–year experience. Polley JW, et al. **Plast Reconstr Surg** 1987 Jan;79(1):39–43

Implants in the abdominal wall of the rat. Thomsen P, et al. **Scand J Plast Reconstr Surg** 1986;20(2):173–82

Fibrin glue coating of e–PTFE prostheses enhances seeding of human endothelial cells. Schrenk P, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):6–10

Comparative studies of prosthetic materials in the left atrium of the dog. Kadowaki MH, et al. **Virchows Arch [A]** 1987; 411(2):173–7

[Fixation of Gore–Tex slings to the pubococcygeal tendons: a simple technic of treating stress urinary incontinence using only the vaginal approach] Mouchel J. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):507–12 (Eng. Abstr.) **(Fre)**

[Collagen or Teflon in recurrent nerve paralysis with unilateral abduction] Frèche C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):45–7 (Eng. Abstr.) **(Fre)**

[Phagocytosis and transport of injected teflon paste. An animal experiment study] Altermatt HJ, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct;65(10):570–4 (Eng. Abstr.) **(Ger)**

[Alloplastic replacement of the anterior cruciate ligament by a polytetrafluoroethylene ligament. Animal experiment study] Apel R, et al. **Unfallchirurgie** 1986 Dec;12(6):291–4 (Eng. Abstr.) **(Ger)**

[Thoracic wall reconstruction following extensive resection] Kienzle HF, et al. **Zentralbl Chir** 1987;112(7):451–6 **(Ger)**

[Experimental study of the materials used for intra–atrial baffles—a comparison between the Gore–Tex sheet and the Gore–Tex patch] Togo T, et al. **Kyobu Geka** 1986 Aug; 39(8):627–30 (Eng. Abstr.) **(Jpn)**

[Superior vena cava reconstruction with an antiplatelet agent] Hasegawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):857–61 (Eng. Abstr.) **(Jpn)**

[Effect of complete hydration of expanded polytetrafluoroethylene graft on improved antithrombogenicity: an experimental study] Higashidate M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan; 35(1):13–9 (Eng. Abstr.) **(Jpn)**

[Porous tarflen as a possible membrane material for membrane blood oxygenators. III. O2 and CO2 transport in the system modeling an artificial lung] Krajewska B, et al. **Polim Med** 1986;16(1–2):3–17 (Eng. Abstr.) **(Pol)**

[Reinforcement of the posterior wall of the bronchial stump using teflon fabric following pulmonary resection] Muromskiĭ IuA, et al. **Khirurgiia (Mosk)** 1986 Nov; (11):85–90 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Endoscopic correction of primary vesicoureteric reflux. O'Donnell B, et al. **Br J Urol** 1986 Dec;58(6):601–4

Teflon injection of the vocal cords under general anaesthesia (review of 262 cases). Sadek SA, et al. **J Laryngol Otol** 1987 Jul;101(7):695–705

[Value of teflon in recurrent stress incontinence in elderly women with urodynamic control] Sarramon JP, et al. **Ann Urol (Paris)** 1987;21(1):23–6 (Eng. Abstr.) **(Fre)**

[Endoscopic treatment of vesico–ureteral reflux in children] Schulman CC. **Chir Pediatr** 1986;27(4):181–4 (Eng. Abstr.) **(Fre)**

[Is Teflon treatment of female urinary incontinence still justified?] Fischer W, et al. **Zentralbl Gynakol** 1986; 108(14):833–40 (Eng. Abstr.) **(Ger)**

[Urodynamic follow–up of stress incontinent females following endourethral Teflon injection] Voigt R, et al. **Zentralbl Gynakol** 1986;108(14):841–4 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Stenosis of the larynx following Teflon injection. Pohris E, et al. **Arch Otorhinolaryngol** 1987;244(1):44–8

Dire consequences of the indiscriminate use of Teflon felt pledgets. Borst HG. **J Thorac Cardiovasc Surg** 1987 Sep; 94(3):442–3

Platelet antagonists eliminate thromboembolic complications of small–diameter arterial prostheses. Nordestgaard AG, et al. **J Vasc Surg** 1987 Jan;5(1):110–7

Analysis of a polytef granuloma mimicking a cold thyroid nodule 17 months after laryngeal injection. Sanfilippo F, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):471–5

[Metals and plastics as causes of disease] de Kort WL, et al. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1201–3 **(Dut)**

[Polymer–induced fever in workers engaged in thermal processing of tarflen (polytetrafluoroethylene)] Bem S, et al. **Wiad Lek** 1987 Jan 15;40(2):81–5 (Eng. Abstr.) **(Pol)**

[Diverticulum of the male urethra secondary to para–urethral injection of teflon] López López JA, et al. **Arch Esp Urol** 1987 May;40(4):291–2 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Analysis of arterial microporous teflon prosthesis following surgical excision] Formichi M, et al. **J Mal Vasc** 1986; 11(3):248–55 (Eng. Abstr.) **(Fre)**

METABOLISM

Modulation of adherence of coagulase–negative staphylococci to Teflon catheters in vitro. Pascual A, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):518–22

PHARMACODYNAMICS

PTFE grafts to the right coronary artery following endarterectomy. Scheld HH, et al. **Herz** 1987 Jun; 12(3):237–40

RADIATION EFFECTS

Laser radiation in the treatment of prosthetic graft stenosis. A preliminary study of prosthesis damage by laser energy. Seeger JM, et al. **J Vasc Surg** 1987 Sep;6(3):221–5

Comments on "Photonuclear activation ratios in fluorine compounds; an index of bremsstrahlung quality" [letter] Weeks KJ, et al. **Med Phys** 1986 Sep–Oct;13(5):762–4

THERAPEUTIC USE

Respiratory obstruction following vocal cord injection. A complication on induction of anaesthesia. Bodenham A, et al. **Anaesthesia** 1987 Mar;42(3):289–92

Endoscopic correction of primary vesicoureteric reflux: results in 94 ureters. O'Donnell B, et al. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1404–6

Blood flow measurement in PTFE grafts. Rostad H, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):262–5

Replacement of the superior vena cava with polytetrafluoroethylene grafts combined with resection of mediastinal–pulmonary malignant tumors. Report of thirteen cases. Dartevelle P, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):361–6

[11–year management of complicated inguinal hernias using pre–peritoneal mesh prosthesis] Pittoors F, et al. **Acta Chir Belg** 1987 Mar–Apr;87(2):77–82 (Eng. Abstr.) **(Dut)**

[Use of polytetrafluoroethylene (Gore–Tex E–PTFE Soft Tissue Patch) for suspension of former facial paralysis and as reconstructive tissue] Levet Y, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(1):65–9 (Eng. Abstr.) **(Fre)**

POLYTHIAZIDE

THERAPEUTIC USE

Thiazide induced hypotension: the role of plasma volume reduction and the urinary kallikrein system. Solomon RJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:243–51

POLYURETHANES

Toluene diisocvanate exposures in the flexible polyurethane foam industry. Rando RJ, et al. **Am Ind Hyg Assoc J** 1987 Jun;48(6):580–5

Mutagenicity assessment of airborne particles from three polyurethane foam manufacturing facilities. Ong TM, et al. **Am J Ind Med** 1987;11(4):475–83

Occlusion of intercostal and lumbar aortic branches using plastic plugs. Borst HG. **Ann Thorac Surg** 1987 Jul;44(1):91

Accelerated healing of carbon dioxide laser burns in rats treated with composite polyurethane dressings. Chan P, et al. **Arch Dermatol** 1987 Aug;123(8):1042–5

Segmental uterine horn replacement in the rat using a biodegradable microporous synthetic tube. Jonkman MF, et al. **Artif Organs** 1986 Dec;10(6):475–80

Fatigue and hemocompatibility of polymer materials. Sevastianov VI, et al. **Artif Organs** 1987 Feb;11(1):20–5

Evaluation of a new antithrombogenic polyurethane–polysiloxane complex biomaterial. Ohkubo N, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):193–7

Surface properties and blood compatibility of polyurethaneureas. Grasel TG, et al. **Biomaterials** 1986 Sep; 7(5):315–28

Microporous hydrophilic polyurethane vascular grafts as substitutes in the abdominal aorta of dogs. Martz H, et al. **Biomaterials** 1987 Jan;8(1):3–11

An X–ray photoelectron spectroscopy study of the external surface of explanted microporous polyurethane vascular prostheses. Paynter RW, et al. **Biomaterials** 1987 Mar; 8(2):94–9

FTIR–ATR studies of the effect of shear rate upon albumin adsorption onto polyurethaneurea. Pitt WG, et al. **Biomaterials** 1986 Sep;7(5):340–7

In vivo quantification of cell–polymer interactions. Schakenraad JM, et al. **Biomaterials** 1987 May;8(3):207–10

Long–lasting complications with the use of polyurethane–covered breast implants. Berrino P, et al. **Br J Plast Surg** 1986 Oct;39(4):549–53

The prevalence of asthma among inhabitants in the vicinity of a polyurethane factory in Finland. Nuorteva P, et al. **Environ Res** 1987 Aug;43(2):308–16

Acute thrombogenicity of a compliant polyurethane urea graft compared with polytetrafluoroethylene: an experimental study in sheep. Lannerstad O, et al. **Eur Surg Res** 1987;19(1):6–10

Surface characterization of heparin–complexing poly(amido amine) chains grafted on polyurethane and glass surfaces. Barbucci R, et al. **J Biomed Mater Res** 1987 Apr; 21(4):443–57

Effects of alkyl grafting on surface properties and blood compatibility of polyurethane block copolymers. Grasel TG, et al. **J Biomed Mater Res** 1987 Jul;21(7):815–42

Angular dependent ESCA and infrared studies of segmented polyurethanes. Grobe GL 3d, et al. **J Biomed Mater Res** 1987 Feb;21(2):211–29

Physicochemical characterization of a hydrophilic microporous polyurethane vascular graft. Martz H, et al. **J Biomed Mater Res** 1987 Mar;21(3):399–412

Studies of poly(ether)urethane pacemaker lead insulation oxidation. Thoma RJ, et al. **J Biomed Mater Res** 1987 Apr; 21(4):525–30

Prevention of thrombosis of central venous catheters. Borow M, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct; 27(5):571–4

Staphylococcal adherence to polyvinyl chloride and heparin–bonded polyurethane catheters is species dependent and enhanced by fibronectin. Russell PB, et al. **J Clin Microbiol** 1987 Jun;25(6):1083–7

Urethane–lined silicone facial prostheses. Udagama A. **J Prosthet Dent** 1987 Sep;58(3):351–4

Development of a modular wheelchair cushion for spinal cord injured persons. Ferguson–Pell M, et al. **J Rehabil Res Dev** 1986 Jul;23(3):63–76

Factors affecting the pressure–distributing properties of foam mattress overlays. Krouskop TA, et al. **J Rehabil Res Dev** 1986 Jul;23(3):33–9

Evaluation of explanted polyurethane trileaflet cardiac valve prostheses. Hilbert SL, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):419–29

Biostability considerations for implantable polyurethanes. Coury AJ, et al. **Life Support Syst** 1987 Jan–Mar;5(1):25–39

Effects of different doses of acetylsalicylic acid on platelet aggregation: an experimental study of prosthetic materials in dogs. Escudero C, et al. **Life Support Syst** 1986 Oct–Dec; 4(4):325–34

Complete translocation of the aortic root and coronary bypass grafting with a microporous polyurethane (Mitrathane) composite valved graft in the treatment of recurrent prosthetic valve endocarditis. Mestres CA, et al. **Life Support Syst** 1986 Oct–Dec;4(4):319–23

Long–term performance of polyurethane pacing leads: mechanisms of design–related failures. Phillips R, et al. **PACE** 1986 Nov;9(6 Pt 2):1166–72

Ten–year experience with implanted polyurethane lead insulation. Stokes KB, et al. **PACE** 1986 Nov;9(6 Pt 2):1160–5

Recent advances in moist wound healing. Alper JC. **South Med J** 1986 Nov;79(11):1398–404

Adhesive membrane: a new dressing for hypospadias. Vordermark JS 2d. **Urology** 1987 May;:33

[Patient positioning aids of polyurethane foam] Eichhorn M,

et al. **Radiobiol Radiother (Berl)** 1986;27(3):263–7 (Eng. Abstr.) **(Ger)**

[Bacteriologic studies of the use of incision drapes in orthopedic operations] Breitner S, et al. **Unfallchirurgie** 1986 Dec;12(6):301–4 (Eng. Abstr.) **(Ger)**

[Foam–gel film and gel film in trauma surgery] Kaletsch B. **Unfallchirurgie** 1986 Aug;12(4):204–7 (Eng. Abstr.) **(Ger)**

[Clinical experience using polyurethane ureter endoprostheses and studies of the incrustation tendency] Kleinhans G, et al. **Urologe [A]** 1987 Mar;26(2):74–8 (Eng. Abstr.) **(Ger)**

[Comparative clinical study of Evicrol and Isopast fillings] Nyárády I, et al. **Fogorv Sz** 1986 Dec;79(12):374–81 (Eng. Abstr.) **(Hun)**

[Clinical application of the urokinase–immobilized polyurethane catheter] Matsumoto M, et al. **Nippon Geka Hokan** 1986 Sep 1;55(5):727–31 (Eng. Abstr.) **(Jpn)**

[Health hazards in workers of small scale polyurethane production factory] Miki T, et al. **Sangyo Igaku** 1986 Mar; 28(2):128–9 **(Jpn)**

ADVERSE EFFECTS

A new approach to the problems encountered with Opsite as a donor site dressing: systemic ethamsylate [letter] James JH. **Br J Plast Surg** 1987 Jul;40(4):439

A new approach to the problems encountered with Opsite as a donor site dressing: systemic ethamsylate. Richmond JD, et al. **Br J Plast Surg** 1986 Oct;39(4):516–8

Occupational contact sensitivity in oculists. Rebandel P, et al. **Contact Dermatitis** 1986 Aug;15(2):92

ANALYSIS

Ethylene oxide in dialyzer rinsing fluid: effect of rinsing technique, dialyzer storage time, and potting compound. Ansorge W, et al. **Artif Organs** 1987 Apr;11(2):118–22

Chemical and biological evaluation of heparinized poly(amido–amine) grafted polyurethane. Azzuoli G, et al. **Biomaterials** 1987 Jan;8(1):61–6

The effect of water content on the stiffness of seating foams. Brown AM, et al. **Prosthet Orthot Int** 1986 Dec; 10(3):149–52

CHEMICAL SYNTHESIS

Synthesis and antithrombogenicity of polyetherurethaneurea containing quaternary ammonium groups in the side chains and of the polymer/heparin complex. Ito Y, et al. **J Biomed Mater Res** 1986 Sep;20(7):1017–33

Synthesis and antithrombogenicity of anionic polyurethanes and heparin–bound polyurethanes. Ito Y, et al. **J Biomed Mater Res** 1986 Oct;20(8):1157–77

Synthesis of novel polyaminoetherurethaneureas and development of antithrombogenic material by their chemical modifications. Shibuta R, et al. **J Biomed Mater Res** 1986 Sep;20(7):971–87

Significant variables that must be controlled in the design and synthesis of polyurethanes for use in medicine. Gilding DK, et al. **Life Support Syst** 1987 Jan–Mar;5(1):19–24

METABOLISM

Adsorption of plasma proteins to the derivatives of polyetherurethaneurea carrying tertiary amino groups in the side chains. Ito Y, et al. **J Biomed Mater Res** 1986 Oct;20(8):1139–55

Biodegradation of a polyurethane in vitro. Phua SK, et al. **J Biomed Mater Res** 1987 Feb;21(2):231–46

Adsorption of plasma proteins to the derivatives of polyaminoetherurethaneurea: the effect of hydrogen–bonding property of the material surface. Sanada T, et al. **J Biomed Mater Res** 1986 Oct;20(8):1179–95

PHARMACODYNAMICS

Reduced platelet adhesion and activation of coagulation factors on polyurethane treated with albumin–IgG complex. Mohammad SF, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):323–6

THERAPEUTIC USE

The use of artificial skin in the prevention of early wound healing. Sternberg I, et al. **Ann Ophthalmol** 1987 Apr; 19(4):127–8

Comparative study of four wound dressings on epithelization of partial–thickness wounds in pigs. Chvapil M, et al. **J Trauma** 1987 Mar;27(3):278–82

Polyether–urethane elastomers for small–diameter arterial prostheses. Annis D. **Life Support Syst** 1987 Jan–Mar; 5(1):47–52

Implantable segmented polyurethanes: controversies and uncertainties. Gogolewski S. **Life Support Syst** 1987 Jan–Mar;5(1):41–6 (67 ref.)

[The search for an "ideal" surgical dressing]Kleczyński S, et al. **Polim Med** 1986;16(1–2):55–61 (Eng. Abstr.) **(Pol)**

[Clinico–morphological characteristics of chronic pancreatitis in pancreatic duct occlusion using KL–3 glue] Zemskov VS, et al. **Klin Khir** 1986;(11):3–5 (Eng. Abstr.) **(Rus)**

TOXICITY

[Hygienic evaluation of working conditions in the production of polyisocyanate in an outdoor area] Filatova VS, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):26–9 (Eng. Abstr.) **(Rus)**

[Various indicators of respiratory function, the blood and immunity in workers handling isocyanates] Plastinina RA, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):16–20 (Eng. Abstr.) **(Rus)**

[Effect of a complex of chemical substances released during the production of polyurethane foam insulation in the manufacture of refrigerators on workers] Pokrovskaia EA, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**

POLYURIA

CHEMICALLY INDUCED

Treatment of severe lithium–induced polyuria with amiloride. Kosten TR, et al. **Am J Psychiatry** 1986 Dec;143(12):1563–8

Amelioration by indomethacin of lithium–induced polyuria. Grindlinger GA, et al. **Crit Care Med** 1987 May;15(5):538–9

Vasopressin–resistant polyuria induced by cephaloridine administration in rats. Kiguchi M, et al. **Dev Toxicol Environ Sci** 1986;14:35–8

The role of prostaglandins in early polyuria induced by cisplatin in the rat. Moel DI, et al. **Nephron** 1987;46(1):91–5

[Acyclovir and polyurias (letter)] Hernández Batuecas I, et al. **Rev Clin Esp** 1987 Apr;180(6):343 **(Spa)**

DIAGNOSIS

[Trials for simplified hypertonic saline test] Shimizu K, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20; 63(2):164–71 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[Clinical effect of terodiline hydrochloride on nervous pollakisuria or irritative bladder] Yoneyama T, et al. **Hinyokika Kiyo** 1987 Feb;33(2):319–26 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Polyuria and refractory hypernatremia after cardiopulmonary arrest. Beasley EW 3d, et al. **Am J Med** 1987 Feb; 82(2):347–9

Neural lobe function in aged Wistar/Tw strain rats showing polydipsia and polyuria. Kobayashi Y, et al. **Endocrinol Jpn** 1986 Oct;33(5):617–27

Mechanism of polyuria and natriuresis associated with paroxysmal supraventricular tachycardia. Tsai RC, et al. **Jpn Heart J** 1987 Mar;28(2):203–9

Plasma atrial natriuretic polypeptide and polyuria during paroxysmal tachycardia in Wolff–Parkinson–White syndrome patients. Kojima S, et al. **Nephron** 1986; 44(3):249–52

Polydipsia, polyuria and water intoxication observed in psychiatric inpatients. Okura M, et al. **Tokushima J Exp Med** 1986 Jun;33(1–2):1–5

PSYCHOLOGY

Polyuria among patients with psychosis. Vieweg WV, et al. **Schizophr Bull** 1986;12(4):739–43

[Psychogenic polyuria—an anachronistic conversion syndrome?] Klessmann E. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):205–10 (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of early postoperative hypotonic polyuria in pituitary surgery] Gargiulo G, et al. **Minerva Anestesiol** 1986 Oct;52(10):325–30 (Eng. Abstr.) **(Ita)**

VETERINARY

The use of arginine vasopressin measurements in the polyuric dog. Biewenga WJ, et al. **Tijdschr Diergeneeskd** 1987 Apr; 112 Suppl 1:117S–120S

Renal function and polyuria. Bovee KC, et al. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:78S–82S

POLYURIDYLIC ACIDS see **POLY U**

POLYVIDON see **POVIDONE**

POLYVINYL ALCOHOL

A new hydrogel and its medical application. Tamura K, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):605–8

Experimental application of polyvinyl alcohol–silica for small artificial vessels. Tamura K, et al. **Biomater Med Devices Artif Organs** 1985–86; 13(3–4):133–52

Effects of heat treatment on the permeability of polyvinyl alcohol films to a hydrophilic solute. Byron PR, et al. **J Pharm Sci** 1987 Jan;76(1):65–7

[Foam–gel film and gel film in trauma surgery] Kaletsch B. **Unfallchirurgie** 1986 Aug;12(4):204–7 (Eng. Abstr.) **(Ger)**

[Experimental study of sutureless micro–vascular anastomosis using Nd–YAG laser combined with a water–soluble PVA splint] Niijima K. **Nippon Geka Hokan** 1987 Mar 1; 56(2):156–67 (Eng. Abstr.) **(Jpn)**

[Replacement of the trachea with a polyvinyl alcohol hydrogel] Miyamoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):290–6 (Eng. Abstr.) **(Jpn)**

[Drug release from freeze–thaw poly(vinyl alcohol) gel] Takamura A, et al. **Yakugaku Zasshi** 1987 Mar;107(3):233–7 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Lamicel versus laminaria for cervical dilation before early second–trimester abortion: a randomized clinical trial. Grimes DA, et al. **Obstet Gynecol** 1987 Jun;69(6):887–90

[Enhancement of the therapeutic efficacy of blood substitutes in burn shock] Kochetygov NI, et al. **Gematol Transfuziol** 1987 May;32(5):35–8 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Bulk characterization and scanning electron microscopy of hydrogels of P(VA–co–NVP). Miller DR, et al. **Biomaterials** 1986 Sep;7(5):329–39

Anticoagulant effect of sulphated poly/vinyl alcohol–acrylic acid/copolymers. Machovich R, et al. **Thromb Haemost** 1986 Dec 15;56(3):397–400

DIAGNOSTIC USE

Removal of low density lipoprotein from blood plasma using cross–linked, sulfated polyvinylalcohol. Maaskant N, et al. **Atherosclerosis** 1986 Nov;62(2):159–66

Radiolabeled polyvinyl alcohol particles: a potential agent to monitor embolization procedures. Jack CR Jr, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):235–43

New polyvinyl alcohol gel material for MRI phantoms. Mano I, et al. **Magn Reson Med** 1986 Dec;3(6):921–6

PHARMACODYNAMICS

Suppression of IgE and non–IgE antibodies to industrial chemicals by conjugates of polyvinyl alcohol. Wei BY, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 2):1066–70

Factor Xa inactivation by a heparinized hydrogel. Rollason G, et al. **Thromb Res** 1986 Nov 15;44(4):517–25

THERAPEUTIC USE

Low–dose particulate polyvinylalcohol embolization in massive small artery intestinal hemorrhage. Experimental and clinical results. Kusano S, et al. **Invest Radiol** 1987 May;22(5):388–92

[Effect of polidez on blood coagulation in patients with atherosclerosis of the major arteries] Shcherbinina SP. **Gematol Transfuziol** 1986 Dec;31(12):10–3 (Eng. Abstr.) **(Rus)**

POLYVINYL CHLORIDE see under **POLYVINYLS**

POLYVINYLPYRIDINE N–OXIDE see under **POLYVINYLS**

POLYVINYLPYRROLIDONE see **POVIDONE**

POLYVINYLS

Poly(4–vinylpyridine)–coated glassy carbon flow detectors. Wang J, et al. **Anal Chem** 1987 Mar 1;59(5):740–4

Postanal repair and intersphincteric Ivalon sponge rectopexy for the treatment of rectal prolapse. Rogers J, et al. **Br J Surg** 1987 May;74(5):384–6

Plasticized polyvinylchloride as a temporary dressing for burns. Wilson G, et al. **Br Med J** 1987 Feb 28; 294(6571):556–7

Immunoblotting on polyvinyldifluoride improves detection of oligoclonal IgG bands in CSF. Nespolo A, et al. **Clin Chem** 1987 Sep;33(9):1669–70

Polyvinyl chloride membrane as a temporary fascial substitute. Kaufmann CR, et al. **Curr Surg** 1987 Jan–Feb; 44(1):31–4

In vitro adsorption of theophylline onto amberlite XAD4 in human plasma. Laurent D, et al. **Farmaco [Prat]** 1987 Aug;42(8):199–203

Migration of Irganox 1010 from ethylene–vinyl acetate films to foods and food–simulating liquids. Schwope AD, et al. **Food Chem Toxicol** 1987 Apr;25(4):327–30

Modification of surface properties of Formvar substrates for electron microscopy [published erratum appears in Indian J Biochem Biophys 1986 Dec;23(6):preceding 303] Moharir AV, et al. **Indian J Biochem Biophys** 1986 Oct;23(5):283–5

Removal of unconjugated bilirubin by macroreticular resin in hemoperfusion. Chen CZ, et al. **Int J Artif Organs** 1986 Sep;9(5):323–6

Resin hemoperfusion for drug intoxication—an update. Raja RM. **Int J Artif Organs** 1986 Sep;9(5):319–22

Prevention of thrombosis of central venous catheters. Borow M, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct; 27(5):571–4

Gas chromatographic determination of tetramethylsuccinonitrile in poly(vinyl chloride) products in contact with food. Ishiwata H, et al. **J Chromatogr** 1986 Dec 5;370(2):275–9

Staphylococcal adherence to polyvinyl chloride and heparin–bonded polyurethane catheters is species dependent and enhanced by fibronectin. Russell PB, et al. **J Clin Microbiol** 1987 Jun;25(6):1083–7

Exposure of patients to phthalates from polyvinyl chloride tubes and bags during dialysis. Nässberger L, et al. **Nephron** 1987;45(4):286–90

Separation of two different lipoproteins in LDL precipitated with polyvinylsulfate. Lippi U, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):342–4

Storage of platelets on flatbed agitators in polyvinyl chloride blood bags plasticized with tri(2–ethylhexyl) trimellitate. Champion AB, et al. **Transfusion** 1987 Sep–Oct; 27(5):399–401

[Problems of pelvic infection following rectopexy using synthetics and its treatment] Wedell J, et al. **Chirurg** 1987 Jun;58(6):423–7 (Eng. Abstr.) **(Ger)**

[The use of PVC bags in the manufacture of various sterile solutions] Jelinekné Nikolics M, et al. **Acta Pharm Hung** 1986 Sep;56(5):203–9 (Eng. Abstr.) **(Hun)**

[Migration of lead from polyvinyl chloride materials used for water supply] Kataeva SE. **Gig Sanit** 1987 May;(5):12–4 (Eng. Abstr.) **(Rus)**

[Physiological and hygienic research on the work of operators of units for high-frequency welding of polymeric materials] Shirokov IuG, et al. **Gig Tr Prof Zabol** 1987 May;(5):34–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Incidence of cancer among vinyl chloride and polyvinyl chloride workers: further evidence for an association with malignant melanoma. Storetvedt Heldaas S, et al. **Br J Ind Med** 1987 Apr;44(4):278–80

Computed tomography of vinyl-chloride-induced angiosarcoma of liver. Fitzgerald EJ, et al. **Br J Radiol** 1987 Jun;60(714):593–5

Reported vague symptoms and at-risk status: the case of polyvinyl chloride workers in Louisville. Sands RG, et al. **Public Health Rep** 1987 Jul–Aug;102(4):438–44

Lung disease after exposure to polyvinyl chloride dust. Antti-Poika M, et al. **Thorax** 1986 Jul;41(7):566–7

ANALYSIS

Leaching of diethylhexyl phthalate from polyvinyl chloride bags into intravenous cyclosporine solution. Venkataramanan R, et al. **Am J Hosp Pharm** 1986 Nov; 43(11):2800–2

Effect of tubing length on adsorption of diazepam to polyvinyl chloride administration sets. Yliruusi JK, et al. **Am J Hosp Pharm** 1986 Nov;43(11):2789–94

Determination of vinyl chloride monomer residue in poly(vinyl chloride) at the parts-per-billion level with an automatic purge-and-trap technique. Poy F, et al. **J Chromatogr** 1987 Jun 12;395:281–9

Interaction of vinyl chloride with poly(vinyl chloride) by inverse gas chromatography: effect of monomer concentration, plasticizer content and temperature. Demertzis PG, et al. **Z Lebensm Unters Forsch** 1986 Aug; 183(2):123–7

Tetramethylsuccinonitrile in polyvinyl chloride products for food and its release into food-simulating solvents. Ishiwata H, et al. **Z Lebensm Unters Forsch** 1987 Jul;185(1):39–42

[Migration of organic tin stabilizers of hard PVC packing materials into food] Matos CM, et al. **Z Gesamte Hyg** 1987 May;33(5):258–60 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Effect of heparin on the immunogenicity of electrostatic covalent albumin complexes with synthetic polyions. Immunogenicity of the triple covalent complex polyelectrolyte-protein-heparin] Petrov RV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):30–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Microbiological evaluation of drinking water construction materials—comparison of two test procedures. Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 183(5–6):505–10

PHARMACODYNAMICS

The prophylactic use of polyvinylpyridine-N-oxide (PVNO) in baboons exposed to quartz dust. Goldstein B, et al. **Environ Res** 1987 Apr;42(2):469–81

Nitrocellulose and polyvinyl coatings prevent sperm adhesion to glass without affecting the motility of intact and demembranated human spermatozoa. Chapeau C, et al. **J Androl** 1987 Jan–Feb;8(1):34–40

Free radical scavenging properties of polyvinylpyridine N-oxide: a possible mechanism for its action in pneumoconiosis. Gulumian M, et al. **Med Lav** 1987 Mar–Apr;78(2):124–8

The 24-hour shelf-life of cytapheresis platelet concentrates stored in polyvinyl chloride containers should be extended only with caution. Strauss RG, et al. **Transfusion** 1987 May–Jun;27(3):284–7

The effects of plastic bag extracts prepared in either mouse serum or phosphate-buffered saline with ethanol on mouse splenic cells. Wierda D, et al. **Transfusion** 1987 Mar–Apr; 27(2):183–8

POISONING

Psychological response of firefighters to a chemical fire. Markowitz JS, et al. **J Human Stress** 1987 Summer; 13(2):84–93

THERAPEUTIC USE

Worksite smoking cessation using nicotine resin gum (Nicorette) [news] Plank SJ. **Am J Public Health** 1987 Aug; 77(8):1013–4

Failure of Ivalon to provide permanent hepatic arterial occlusion. Miller DL. **Cardiovasc Intervent Radiol** 1987; 10(2):111–3

Nicotine gum in smoking cessation: rationale, efficacy, and proper use. Schneider NG. **Compr Ther** 1987 Mar; 13(3):32–7

[Bronchial artery embolization for hemoptysis using Ivalon particles] Hayashi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Oct 25; 46(10):1207–14 (Eng. Abstr.) **(Jpn)**

TOXICITY

Vinyl chloride monomer and other contaminants in PVC welding fumes. Williamson J, et al. **Am Ind Hyg Assoc J** 1987 May;48(5):432–6

[Further studies of the toxicity of volatile thermal degradation products of conveyor belts] Faff J, et al. **Med Pr** 1986;37(4):216–26 (Eng. Abstr.) **(Pol)**

[Feasibility of the rapid evaluation of the toxicity of polymer materials and products made from them in hydrobionts] Semenenko EI, et al. **Gig Sanit** 1987 Feb;(2):29–32 (Eng. Abstr.) **(Rus)**

POMC see **PRO-OPIOMELANOCORTIN**

POMPHOLYX

ETIOLOGY

Haemorrhagic pompholyx is a sign of bullous pemphigoid and an indication for low-dose prednisolone therapy. Barth JH, et al. **Clin Exp Dermatol** 1986 Jul;11(4):409–12

[Dysidrosis] Castelain PY. **Ann Dermatol Venereol** 1987; 114(4):579–85 **(Fre)**

PONGIDAE

Census and survey of wild black-crested gibbons (Hylobates concolor concolor) in Yunnan Province, People's Republic of China. Haimoff EH, et al. **Folia Primatol (Basel)** 1986; 46(4):205–14

ANATOMY & HISTOLOGY

Dental metric assessment of the omo fossils: implications for the phylogenetic position of Australopithecus africanus. Hunt K, et al. **Am J Phys Anthropol** 1986 Oct;71(2):141–55

An allometric study of the frontal sinus in Gorilla, Pan and Pongo. Blaney SP. **Folia Primatol (Basel)** 1986; 47(2–3):81–96

Age-sex class differences in the positional behaviour of the Sumatran orang-utan (Pongo pygmaeus abelii) in the Gunung Leuser National Park, Indonesia. Sugardjito J, et al. **Folia Primatol (Basel)** 1986;47(1):14–25

On secondary hyperparathyroidism in orang-utans, Pongo satyrus (Linnaeus, 1758). Röhrer-Ertl O, et al. **Gegenbaurs Morphol Jahrb** 1987;133(3):361–83

Accessory optic system of an anthropoid primate, the gibbon (Hylobates concolor): evidence of a direct retinal input to the medial terminal nucleus. Cooper HM, et al. **J Comp Neurol** 1987 May 22;259(4):467–82

GENETICS

Conservation of human-derived pseudoautosomal sequences on the sex chromosomes of the great apes. Weber B, et al. **Cytogenet Cell Genet** 1987;45(1):26–9

An evolutionary conserved early replicating segment on the sex chromosomes of man and the great apes. Weber B, et al. **Cytogenet Cell Genet** 1986;43(1–2):72–8

Orangutan fetal globin genes. Nucleotide sequence reveal multiple gene conversions during hominid phylogeny. Slightom JL, et al. **J Biol Chem** 1987 Jun 5;262(16):7472–83

Nucleotide sequence and evolution of the orangutan epsilon globin gene region and surrounding Alu repeats. Koop BF, et al. **J Mol Evol** 1986;24(1–2):94–102

The molecular clock runs more slowly in man than in apes and monkeys. Li WH, et al. **Nature** 1987 Mar 5–11; 326(6108):93–6

Nucleotide sequences of immunoglobulin epsilon genes of chimpanzee and orangutan: DNA molecular clock and hominoid evolution. Sakoyama Y, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1080–4

MICROBIOLOGY

Transcriptional activity of the gibbon ape leukemia virus in the interleukin 2 gene of MLA 144 cells. Holbrook NJ, et al. **Virology** 1987 Jul;159(1):178–82

PARASITOLOGY

Infection with Strongyloides stercoralis [letter] Speare R. **Med J Aust** 1987 Jul 6;147(1):46

[Discovery of a protist parasite, apparently akin to Acrasiae, in the genital tract and various organs of primates] Chauvier G, et al. **Ann Parasitol Hum Comp** 1986; 61(4):401–10 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[Gestural forms of communication in primates. I. Development of gestural forms of communication in ontogenesis and phylogenesis] Grigor'eva OM, et al. **Biol Nauki** 1987;(1):45–50 (Eng. Abstr.) **(Rus)**

PONGO PYGMAEUS see under **PONGIDAE**

PONS

Ataxic hemiparesis from primary pontine haemorrhage. Lazzarino LG, et al. **Acta Neurol (Napoli)** 1986 Oct; 8(5):560–4

Pontine ataxic hemiparesis studied by a high-resolution magnetic resonance imaging system. Nabatame H, et al. **Ann Neurol** 1987 Feb;21(2):204–7

Behavioral manifestations of central pontine myelinolysis. Price BH, et al. **Arch Neurol** 1987 Jun;44(6):671–3

Bilateral horizontal gaze paralysis due to pontine hemorrhage. A case report. Koehler PJ, et al. **Clin Neurol Neurosurg** 1986;88(2):121–5

Central pontine myelinolysis: diagnosis by computed tomography, magnetic resonance and evoked potentials. Mossuto L, et al. **Ital J Neurol Sci** 1986 Dec;7(6):591–6

Total recovery from large pontine hematoma. Taly B, et al. **J Assoc Physicians India** 1986 Apr;34(4):293–4

Central pontine myelinolysis: a complication of hyponatremia or of therapeutic intervention? Haibach H, et al. **J Forensic Sci** 1987 Mar;32(2):444–51

Central pontine myelinolysis—a preventable condition. Two case reports and review of the literature. da Cunha C, et al. **J Tenn Med Assoc** 1986 Aug;79(8):469–72

Central pontine myelinolysis complicating hyponatraemia. Nielsen JM. **Med J Aust** 1987 May 4;146(9):492–3, 496

Otologic disturbance due to AIDS. Papola JS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):437–40

[Primary pontine hemorrhage] Yang LC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Feb; 20(1):5–9 (Eng. Abstr.) **(Chi)**

[Isolated sensory deficit of 1 side of the body as a result of a hematoma of the pons] Graveleau P, et al. **Rev Neurol (Paris)** 1986;142(10):788–90 (Eng. Abstr.) **(Fre)**

[Ophthalmoplegia, ataxia and areflexia in frontal and pontine metastases simulating Fisher's syndrome] Masmoudi K, et al. **Rev Neurol (Paris)** 1986;142(10):785–7 (Eng. Abstr.) **(Fre)**

[Central pontine myelinolysis in alcoholism. Clinical aspects, neurophysiology, computerized tomography and nuclear magnetic resonance tomography in a patient who survived] Haan J, et al. **Nervenarzt** 1986 Oct;57(10):609–12 (Eng. Abstr.) **(Ger)**

[Report on successful surgery of cavernous angioma in the dorsal part of the pons—usefulness of MRI in diagnosis] Oku T, et al. **No Shinkei Geka** 1987 Feb;15(2):159–64 (Eng. Abstr.) **(Jpn)**

[The double pontine lesion of Fisher] Guilhon F, et al. **Arq Neuropsiquiatr** 1986 Sep;44(3):263–6 (Eng. Abstr.) **(Por)**

[Surgical treatment of nodular forms of astrocytoma of the medulla oblongata and pons] Konovalov AN, et al. **Zh Vopr Neirokhir** 1986 Sep–Oct;(5):3–14 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Organization of the trigeminal and facial motor nuclei in the hagfish, Eptatretus burgeri: a retrograde HRP study. Kishida R, et al. **Brain Res** 1986 Oct 22;385(2):263–72

The frontal eye field and prefrontal cortex project to the paramedian pontine reticular formation in the cat. Leichnetz GR, et al. **Brain Res** 1987 Jul 21;416(1):195–9

Certain basilar pontine afferent systems are GABA-ergic: combined HRP and immunocytochemical studies in the rat. Border BG, et al. **Brain Res Bull** 1986 Aug;17(2):169–79

Reticulo-spinal neurons participating in the control of synergic eye and head movements during orienting in the cat. II. Morphological properties as revealed by intra-axonal injections of horseradish peroxidase. Grantyn A, et al. **Exp Brain Res** 1987;66(2):355–77

Branching cortical neurons in cat which project to the colliculi and to the pons: a retrograde fluorescent double-labeling study. Keizer K, et al. **Exp Brain Res** 1987; 67(1):1–15

Different patterns of corticopontine projections from separate cortical fields within the inferior parietal lobule and dorsal prelunate gyrus of the macaque. May JG, et al. **Exp Brain Res** 1986;63(2):265–78

Diffuse pathways convey efferent activity from rostral pontile pneumotaxic center to medullary respiratory regions. St John WM. **Exp Neurol** 1986 Oct;94(1):155–65

Inputs to the pontine A5 noradrenergic cell group: a horseradish peroxidase study. Woodruff ML, et al. **Exp Neurol** 1986 Dec;94(3):782–7

Afferent and efferent connections of the A5 noradrenergic cell group in the rat. Byrum CE, et al. **J Comp Neurol** 1987 Jul 22;261(4):529–42

The projection of the nucleus reticularis tegmenti pontis and adjacent regions of the pontine nuclei to the central cerebellar nuclei in the cat. Gerrits NM, et al.

J Comp Neurol 1987 Apr 1;258(1):52–69

Innervation of extraocular muscles in the rabbit. Murphy EH, et al. **J Comp Neurol** 1986 Dec 1;254(1):78–90

Localization of motoneurons innervating the extraocular muscles in Salamandra salamandra L. (Amphibia, Urodela). Naujoks-Manteuffel C, et al. **J Comp Neurol** 1986 Dec 1; 254(1):133–41

Pedunculopontine tegmental nucleus of the rat: cytoarchitecture, cytochemistry, and some extrapyramidal connections of the mesopontine tegmentum. Rye DB, et al. **J Comp Neurol** 1987 May 22;259(4):483–528

Caudal topographic nucleus isthmi and the rostral nontopographic nucleus isthmi in the turtle, Pseudemys scripta. Sereno MI, et al. **J Comp Neurol** 1987 Jul 15; 261(3):319–46

Autoradiographic study of descending pathways from the pontine reticular formation and the mesencephalic trigeminal nucleus in the rat. Sirkin DW, et al. **J Comp Neurol** 1987 Feb 22;256(4):483–93

Descending projections from the superior olivary complex to the cochlear nucleus of the cat. Spangler KM, et al. **J Comp Neurol** 1987 May 15;259(3):452–65

Autoradiography of mossy fiber terminals in the fastigial nucleus of the cat. van der Want JJ, et al. **J Comp Neurol** 1987 Apr 1;258(1):70–80

Anatomical relationships of the cochlear nuclei and the pontobulbar body: possible significance for neuroprosthesis placement. Terr LI, et al. **Laryngoscope** 1987 Sep; 97(9):1009–11

Representation of the main branches of the facial nerve within the facial nucleus of the Japanese monkey (Macaca fuscata). Satoda T, et al. **Neurosci Lett** 1987 Aug 5; 78(3):283–7

Do pontocerebellar mossy fibres give off collaterals to the cerebellar nuclei? An experimental study in the cat with implantation of crystalline HRP-WGA. Brodal P, et al. **Neurosci Res** 1986 Nov;4(1):12–24

Afferent connections of the nuclei reticularis pontis oralis and caudalis: a horseradish peroxidase study in the rat. Shammah-Lagnado SJ, et al. **Neuroscience** 1987 Mar; 20(3):961–89

A cuneocochlear pathway in the rat. Weinberg RJ, et al. **Neuroscience** 1987 Jan;20(1):209–19

[Afferent projections to the raphe pontis and zona incerta. Study using using fluorescent dye markers] Leanza G, et al. **Boll Soc Ital Biol Sper** 1986 Nov 30;62(11):1389–93 (Eng. Abstr.) **(Ita)**

[Morphometry of the brainstem with transverse section of the upper pons] Satoh J, et al. **No To Shinkei** 1987 Feb; 39(2):163–8 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Cerebellar diaschisis in pontine ischemia. A case report with single-photon emission computerized tomography. Perani D, et al. **J Cereb Blood Flow Metab** 1987 Feb;7(1):127–31

Surgical evacuation of a pontine hematoma due to rupture of a capillary telangiectasis in a young patient—case report. Kiya K, et al. **Neurol Med Chir (Tokyo)** 1986 Jul; 26(7):548–51

[Usefulness of magnetic resonance in truncal ischemia. A report of 2 clinical cases] Giannini A, et al. **Minerva Med** 1986 Dec 15;77(47–48):2259–62 (Eng. Abstr.) **(Ita)**

[Successful evacuation of a pontine hematoma in chronic stage. Case report] Wakayama A, et al. **Neurol Med Chir (Tokyo)** 1986 Apr;26(4):323–7 (Eng. Abstr.) **(Jpn)**

[Segmental sensory disturbance in brain stem infarctions of the lateral lower pons and lateral medulla—clinico-anatomical evaluation by MRI] Matsumoto S, et al. **Rinsho Shinkeigaku** 1987 Mar; 27(3):350–5 (Eng. Abstr.) **(Jpn)**

[Combined lateral gaze palsy with unilateral internuclear ophthalmoplegia in high mesencephalic-pontine hemorrhage. Report of a case] Fontanari JL, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):383–90 (Eng. Abstr.) **(Por)**

CYTOLOGY

Colocalizatio.. of atriopeptin-like immunoreactivity with choline acetyltransferase- and substance P-like immunoreactivity in the pedunculopontine and laterodorsal tegmental nuclei in the rat. Standaert DG, et al. **Brain Res** 1986 Sep 10;382(1):163–8

Anatomy and physiology of intracellularly labelled omnipause neurons in the cat and squirrel monkey. Strassman A, et al. **Exp Brain Res** 1987;67(2):436–40

Morphology of pontomedullary raphe and reticular formation neurons in the brainstem of the cat: an intracellular HRP study. Edwards DL, et al. **J Comp Neurol** 1987 Feb 8;256(2):257–73

Morphology of motoneurons in different subdivisions of the rat facial nucleus stained intracellularly with horseradish peroxidase. Friauf E. **J Comp Neurol** 1986 Nov 8; 253(2):231–41

Distribution of corticopontine neurons in visual areas of the middle suprasylvian sulcus: quantitative studies in the cat. Bjaalie JG. **Neuroscience** 1986 Aug;18(4):1013–33

Neuropeptide and monoamine components of the parabrachial pontine complex. Block CH, et al. **Peptides** 1987 Mar-Apr;8(2):267–83

DRUG EFFECTS

Pentylenetetrazol: effect on carbaryl-induced changes of serotonin metabolism in pons-medulla of rat brain. Ray SK, et al. **Biosci Rep** 1986 Aug;6(8):767–74

A neuroanatomical gradient in the pontine tegmentum for the cholinoceptive induction of desynchronized sleep signs. Baghdoyan HA, et al. **Brain Res** 1987 Jun 30;414(2):245–61

The role of the nucleus raphe pontis and the caudate nucleus in alfentanil rigidity in the rat. Blasco TA, et al. **Brain Res** 1986 Oct 29;386(1–2):280–6

Studies on the pyrexic effect of PGE1 injected into the region of the cochlear nuclei. Olorundare OE, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):353–8

Continuous pontine cholinergic microinfusion via mini-pump induces sustained alterations in rapid eye movement (REM) sleep. Shiromani PJ, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1253–61

ENZYMOLOGY

Transient expression of adenosine deaminase in facial and hypoglossal motoneurons of the rat during development. Senba E, et al. **J Comp Neurol** 1987 Jan 8;255(2):217–30

Demonstration of monoamine oxidase type B in serotonergic and type A in noradrenergic neurons in the cat dorsal pontine tegmentum by an improved histochemical technique. Kitahama K, et al. **Neurosci Lett** 1986 Oct 30; 71(1):19–24

GROWTH & DEVELOPMENT

Development of the basilar pons in the North American opossum: dendrogenesis and maturation of afferent and efferent connections. King JS, et al. **Anat Embryol (Berl)** 1987;176(2):191–202

Remodeling of dorsal column nuclear efferents to the basilar pontine gray after cortical ablations in newborn rats. Kosinski RJ, et al. **Brain Res** 1987 Mar 17;406(1–2):302–7

Postnatal development of auditory nerve and cochlear nucleus neuronal responses in kittens. Walsh EJ, et al. **Hear Res** 1987;28(1):97–116

Development of taste responses in the rat parabrachial nucleus. Hill DL. **J Neurophysiol** 1987 Feb;57(2):481–95

INJURIES

Altered striatal dopaminergic metabolism 36 hours after unilateral trauma to the human mesencephalon. Sievin JT, et al. **Neurology** 1987 Feb;37(2):322–5

METABOLISM

Localization of the main noradrenergic neuron groups in the pons and medulla of the rabbit and the importance of cathodal lesions for prolonged survival. Badoer E, et al. **J Neurosci Methods** 1987 Jan;19(1):11–27

[Bulbar and pontine sources of catecholaminergic innervation of the spinal cord of the rat studied using monoamine fluorescence and retrograde labeling technics] Doroshenko NZ, et al. **Neirofiziologiia** 1986;18(4):503–12 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Central pontine myelinolysis: report of a case with distinctive appearance on MR imaging. Price DB, et al. **AJNR** 1987 May-Jun;8(3):576–7

Focal pontine leukoencephalopathy in immunosuppressed patients. Vinters HV, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):192–6

Central pontine myelinolysis and abnormalities in serum sodium. Slager UT. **Clin Neuropathol** 1986 Nov-Dec; 5(6):252–6

Pathogenesis and prevention of central pontine myelinolysis: a case report. Tedeschi G, et al. **Ital J Neurol Sci** 1987 Apr;8(2):163–6

Morphometric study of the anteroventral cochlear nucleus of two mouse models of presbycusis. Willott JF, et al. **J Comp Neurol** 1987 Jun 15;260(3):472–80

MR imaging of central pontine myelinolysis. Rippe DJ, et al. **J Comput Assist Tomogr** 1987 Jul-Aug;11(4):724–6

Lateral medullary infarction extending to the lower pons. Fisher CM, et al. **J Neurol Neurosurg Psychiatry** 1987 May; 50(5):620–4

Lateral pontine tegmental hemorrhage presenting as isolated trigeminal sensory neuropathy. Holtzman RN, et al. **Neurology** 1987 Apr;37(4):704–6

Extensive extrapontine and central pontine myelinolysis associated with correction of profound hyponatraemia. Boon AP, et al. **Neuropathol Appl Neurobiol** 1987 Jan-Feb; 13(1):1–9

[Central pontine myelinolysis. Its nosographic setting among the neuropathologic lesions caused by alcoholism] Reznik M, et al. **Rev Med Liege** 1987 Apr 1;42(7):285–90 **(Fre)**

[Ocular bobbing. A new hypothesis] Rosa A, et al. **Rev Neurol (Paris)** 1986;142(8–9):710–5 (Eng. Abstr.) **(Fre)**

[An anatomo-clinical case of sequelae of acute encephalopathy. Infantile spasm with hypsarrhythmia] Tominaga I, et al. **Rev Neurol (Paris)** 1986;142(5):524–9 (Eng. Abstr.) **(Fre)**

[Knowledge of central pontine myelinolysis] Nichtweiss M, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):343–5 (Eng. Abstr.) **(Ger)**

[Central pontine myelinolysis] Berlit P. **Nervenarzt** 1986 Nov; 57(11):624–33 (Eng. Abstr.) **(Ger)**

[A case of non-paralytic pontine exotropia in which magnetic resonance imaging displays an upper pons tegmentum lesion] Iwami O, et al. **Rinsho Shinkeigaku** 1986 Oct; 26(10):1088–93 (Eng. Abstr.) **(Jpn)**

[Neuronal reaction to axotomy. Comparative study] Marín JF, et al. **Arch Neurobiol (Madr)** 1987 May-Jun; 50(3):165–71 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Brachium pontis lesions in cats partly reproduce the cerebellar dysfunction of voluntary reaching movements. Levesque F, et al. **Behav Brain Res** 1986 Sep;21(3):167–81

Classical conditioning of the rabbit eyelid response with a mossy-fiber stimulation CS: I. Pontine nuclei and middle cerebellar peduncle stimulation. Steinmetz JE, et al. **Behav Neurosci** 1986 Dec;100(6):878–87

Lesions in the mesencephalic part of pedunculopontine nuclei modify goal-directed behaviour. Müller K, et al. **Biomed Biochim Acta** 1986;45(9):1159–65

Excitability level-setting mechanisms in the pons: their behavioral support in decerebrate, reflex standing and freely moving, intact cats. Mori S, et al. **Brain Dev** 1986; 8(4):408–15

Effects of pontine tegmental lesions that induce paradoxical sleep without atonia on thermoregulation in cats during wakefulness. Amini-Sereshki L, et al. **Brain Res** 1986 Oct 1;384(1):23–8

Rapid eye movement (REM) sleep and ponto-geniculo-occipital (PGO) spike density are increased by somatic stimulation. Arankowsky-Sandoval G, et al. **Brain Res** 1987 Jan 1;400(1):155–8

A cholinergic projection to the rat substantia nigra from the pedunculopontine tegmental nucleus. Beninato M, et al. **Brain Res** 1987 May 26;412(1):169–74

The role of the temporal lobe amygdala in ponto-geniculo-occipital activity and sleep organization in cats. Calvo JM, et al. **Brain Res** 1987 Feb 10;403(1):22–30

Lesion of the ponto-geniculo-occipital pathways in kittens. I. Effects on sleep and on unitary discharge of the lateral geniculate nucleus. Davenne D, et al. **Brain Res** 1987 Apr 14;409(1):1–9

Analysis of the fluctuations in the interspike intervals of abducens nucleus neurons during ocular fixation in the alert cat. Gómez C, et al. **Brain Res** 1986 Sep 3;381(2):401–4

Which is responsible for circling behavior in rats, locus coeruleus or dorsolateral pontine tegmentum? Matsuoka S, et al. **Brain Res** 1986 Nov 29;398(2):253–8

Pontine neuronal response to local cholinergic infusion: relation to REM sleep. Shiromani PJ, et al. **Brain Res** 1986 Oct 29;386(1–2):20–31

Stimulation of the pontomedullary reticular formation initiates locomotion in decerebrate birds. Steeves JD, et al. **Brain Res** 1987 Jan 20;401(2):205–12

Circling elicited from the anteromedial cortex and medial pons: refractory periods and summation. Tehovnik EJ, et al. **Brain Res** 1987 Mar 31;407(2):240–52

Locomotion-inducing sites in the vicinity of the pedunculopontine nucleus. Garcia-Rill E, et al. **Brain Res Bull** 1987 Jun;18(6):731–8

Rhythmical jaw movements and lateral ponto-medullary reticular neurons in rats. Moriyama Y. **Comp Biochem Physiol [A]** 1987;86(1):7–14

Dorsolateral pontine tegmentum and the classically conditioned nictitating membrane response: analysis of CR-related single-unit activity. Desmond JE, et al. **Exp Brain Res** 1986;65(1):59–74

Reticulo-spinal neurons participating in the control of synergic eye and head movements during orienting in the cat. I. Behavioral properties. Grantyn A, et al. **Exp Brain Res** 1987;66(2):339–54

Excitatory inputs to cerebellar dentate nucleus neurons from the cerebral cortex in the cat. Shinoda Y, et al. **Exp Brain Res** 1987;67(2):299–315

Modification of vestibular-induced pause neuron firing during anesthesia and light sleep. Ito J, et al. **Exp Neurol** 1987 Mar;95(3):571–86

Pneumotaxic mechanisms influence phrenic, hypoglossal, and trigeminal activities. St. John WM. **Exp Neurol** 1987 Aug; 97(2):301–14

Effects of 18-hydroxydeoxycorticosterone on central nervous system excitability. Dubrovsky B, et al. **Experientia** 1986 Sep 15;42(9):1027–8

Temporal changes in effectiveness of an inspiratory inhibitory electrical pontine stimulus. Younes M, et al. **J Appl Physiol** 1987 Apr;62(4):1502–12

Inhibition of cardiopulmonary input to thoracic spinothalamic tract cells by stimulation of the subcoeruleus-parabrachial region in the primate. Brennan TJ, et al. **J Auton Nerv Syst** 1987 Jan;18(1):61–72

Inhibition of dorsal-horn cell responses by stimulation of the Kölliker-Fuse nucleus. Hodge CJ Jr, et al. **J Neurosurg** 1986 Dec;65(6):825–33

Lesions in the upper lateral pons abolish the hypoxic depression of breathing in unanaesthetized fetal lambs in utero. Gluckman PD, et al. **J Physiol (Lond)** 1987 Jan; 382:373–83

Electrophysiology of ascending, possibly cholinergic neurons in the rat laterodorsal tegmental nucleus: comparison with monoamine neurons. Kayama Y, et al. **Neurosci Lett** 1987 Jun 26;77(3):277–82

Different effects of electrical stimulation of the

mesencephalic and pontine reticular formation on the release of dopamine and acetylcholine in the cat caudate nucleus. Romo R, et al. **Neurosci Lett** 1987 Jul 9; 78(1):57–62

Long-term increases in excitability of facial motoneurons and other neurons in and near the facial nuclei after presentations of stimuli leading to acquisition of a Pavlovian conditioned facial movement. Matsumura M, et al. **Neurosci Res** 1986 Sep;3(6):568–89

Rapid transfer of training occurs when direct mossy fiber stimulation is used as a conditioned stimulus for classical eyelid conditioning. Steinmetz JE, et al. **Neurosci Res** 1986 Sep;3(6):606–16

Interactions between the basal ganglia, the pontine parabrachial region, and the trigeminal system in cat. Schneider JS. **Neuroscience** 1986 Oct;19(2):411–25

A low threshold calcium spike mediates firing pattern alterations in pontine reticular neurons. Greene RW, et al. **Science** 1986 Nov 7;234(4777):738–40

[Effects of pontine central gray electric stimulation and lidocaine microinjection on phrenic discharge] Chen ZW, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Mar; 17(1):20–3 (Eng. Abstr.) **(Chi)**

[Effects of morphine applied locally in the nucleus parabrachialis medialis (NPBM) on the discharges of units in the region of the nucleus raphe magnus (NRM) in the rabbit] He JR, et al. **Sheng Li Hsueh Pao** 1986 Apr; 38(2):181–90 (Eng. Abstr.) **(Chi)**

[Features of the antidromal and synaptic activation of neurons of the Bekhterev nucleus reticularis tegmenti pontis induced by cortico- and cerebello-fugal spiking] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1986 Dec; 72(12):1593–601 (Eng. Abstr.) **(Rus)**

[Features of activation of reticulospinal neurons of the pons and medulla oblongata of the cat by somatosensory stimuli of different modalities] Karpukhina MV, et al. **Neirofiziologiia** 1986;18(4):461–9 (Eng. Abstr.) **(Rus)**

[Reflection of the characteristics of acoustic signals in the summary synchronized responses of neurons of the auditory system of the cat] Radionova EA. **Neirofiziologiia** 1987; 19(1):67–74 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Responses of raphe-spinal neurons to stimulation of the pontine parabrachial region producing behavioral nociceptive suppression in the cat. Katayama Y, et al. **Appl Neurophysiol** 1986;49(3):112–20

Effects of stimulating the subcoeruleus-parabrachial region on the non-noxious and noxious responses of T1–T5 spinothalamic tract neurons in the primate. Girardot MN, et al. **Brain Res** 1987 Apr 14;409(1):19–30

Peripheral origin of BAEP wave II in a case with unilateral pontine pathology: a comparison of intracranial and scalp records. Curio G, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jan;66(1):29–33

Neurotransmission in the pedunculopontine nucleus and pilocarpine-induced motor limbic seizures in rats. Patel S, et al. **Neurosci Lett** 1987 Feb 24;74(2):243–9

RADIATION EFFECTS

Auditory unit responses to single-pulse and twin-pulse microwave stimuli. Seaman RL, et al. **Hear Res** 1987; 26(1):105–16

RADIOGRAPHY

A case of central pontine myelinolysis confirmed by computed tomography. Wylie EJ, et al. **Australas Radiol** 1986 Nov;30(4):304–6

Pontine infarction producing dysarthria-clumsy hand syndrome and ataxic hemiparesis. Koppel BS, et al. **Eur Neurol** 1987;26(4):211–5

Cerebral venous angioma of the pons: report of a case with pontine hemorrhage. Ibayashi S, et al. **J Comput Tomogr** 1986 Oct;10(4):377–80

Lateral pontine hemorrhage: reappraisal of benign cases. Del-Brutto OH, et al. **Stroke** 1987 Sep-Oct;18(5):954–6

[Hematomas of the lenticular nucleus and pons in a hypertensive patient] Hamasaki T, et al. **Rev Neurol (Paris)** 1986;142(5):550–2 (Eng. Abstr.) **(Fre)**

SURGERY

Pontine stereotactic surgery and facial nociception. Hitchcock E, et al. **Neurol Res** 1987 Jun;9(2):113–7

[Trigeminal neuralgia. Results of microsurgical parapontine decompression] Kunze S, et al. **Nervenarzt** 1987 Jan; 58(1):33–9 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Origin and ultrastructural identification of dorsal column nuclear synaptic terminals in the basilar pontine gray of rats. Kosinski RJ, et al. **J Comp Neurol** 1986 Nov 1; 253(1):92–104

[Serial synapses in the pontine nuclei of the cat] Narlieva N, et al. **Eksp Med Morfol** 1987;26(2):5–9 (Eng. Abstr.) **(Bul)**

POPLITEAL ARTERY

Intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase. Traughber PD, et al. **AJR** 1987 Sep;149(3):453–6

Percutaneous angioplasty for peripheral arterial occlusive disease. Correlates of clinical success. Cambria RP, et al. **Arch Surg** 1987 Mar;122(3):283–7

Nonoperative management of selected popliteal aneurysms. Schellack J, et al. **Arch Surg** 1987 Mar;122(3):372–5

Ergotism presenting as restenosis following angioplasty. Keigley B, et al. **Cardiovasc Intervent Radiol** 1987; 10(1):21–3

Arterial complications of total knee replacement. The Australian experience. Rush JH, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):400–2

Adventitial cystic disease of the popliteal artery: case report. Burkhalter JL, et al. **J Miss State Med Assoc** 1986 Aug; 27(8):215–9

Rupture of a previously bypassed popliteal aneurysm: a case report. Battey PM, et al. **J Vasc Surg** 1987 Jun;5(6):874–5

Peripheral arterial missile embolization: a case report and 22-year literature review. Shannon JJ Jr, et al. **J Vasc Surg** 1987 May;5(5):773–8 (25 ref.)

Complications after percutaneous transluminal angioplasty in the iliac, femoral, and popliteal arteries. Weibull H, et al. **J Vasc Surg** 1987 May;5(5):681–6

Cystic degeneration of the popliteal artery in a female patient—case report. Simpson CJ, et al. **Scott Med J** 1987 Feb;32(1):22

Cystic degeneration of the popliteal artery in a female patient—case report. Simpson CJ, et al. **Scott Med J** 1986 Jul;31(3):187–8

[Aneurysms of the popliteal artery associated with atherosclerosis] Sebesta P. **Rozhl Chir** 1987 Feb;66(2):72–7 (Eng. Abstr.) **(Cze)**

[Popliteal artery entrapment syndrome] Van Ruyssevelt P, et al. **Acta Chir Belg** 1986 Sep-Oct;86(5):283–8 (Eng. Abstr.) **(Fre)**

[Femoro-popliteal endarterectomy using a pneumatic oscillator] Mellière D, et al. **Presse Med** 1986 Sep 6; 15(28):1326–8 (Eng. Abstr.) **(Fre)**

[The heparin-induced thrombosis-thrombocytopenia syndrome] Erni J, et al. **Dtsch Med Wochenschr** 1987 May 15;112(20):801–5 (Eng. Abstr.) **(Ger)**

[Bilateral popliteal artery occlusion in systemic lupus erythematosus in a 15-year-old girl] Hammentgen R, et al. **Vasa** 1987;16(1):86–8 (Eng. Abstr.) **(Ger)**

[Association of lumbar sympathectomy and bypass in the treatment of femoro-popliteal obstructive arteriopathies] Caldarelli GF, et al. **Minerva Chir** 1987 Jan 31;42(1–2):33–7 (Eng. Abstr.) **(Ita)**

[Grafts and thromboendarterectomies of the femoro-popliteal axis. Comparative results] Ferrero S, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1167–70 (Eng. Abstr.) **(Ita)**

[Popliteal artery entrapment syndrome] Musumeci S, et al. **Minerva Med** 1986 Dec 15;77(47–48):2201–4 (Eng. Abstr.) **(Ita)**

[Classification of lesions of the collateral network of the femoro-popliteal segment for the selection of surgical tactics] Dudkin BP, et al. **Khirurgiia (Mosk)** 1987 Jan; (1):67–70 (Eng. Abstr.) **(Rus)**

[Adventitial colloid-cystic degeneration of the popliteal artery] Cacciatore E, et al. **Angiologia** 1986 Nov-Dec; 38(6):299–305 (Eng. Abstr.) **(Spa)**

[Acute arterial embolism caused by benzathine penicillin] Poblete R, et al. **Rev Med Chil** 1986 Jun;114(6):561–5 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Variations and anomalies of the popliteal and tibial arteries. Sanders RJ, et al. **Am J Surg** 1986 Nov;152(5):531–4

Popliteal entrapment: an epilogue. Eastcott HH. **Aust NZ J Surg** 1986 Nov;56(11):865–9

ANATOMY & HISTOLOGY

Dynamic modifications of the popliteal arterial axis in the sagittal plane during flexion of the knee. Vernon P, et al. **Surg Radiol Anat** 1987;9(1):37–41

[Anatomical variations in the arterial vascularization of the popliteal region: arteriographic study] Manfrini M, et al. **Chir Organi Mov** 1986 Oct-Dec;71(4):387–91 (Eng. Abstr.) **(Ita)**

INJURIES

Successful management of trifurcation injuries. Swetnam JA, et al. **Am Surg** 1986 Nov;52(11):585–7

Popliteal artery trauma: a high risk injury. Krige JE, et al. **Br J Surg** 1987 Feb;74(2):91–4

Popliteal artery perforation during low dose intra-arterial streptokinase infusion. Earnshaw JJ, et al. **Clin Radiol** 1987 May;38(3):321–3

Injury to the popliteal artery as a complication of arthroscopic surgery. A report of two cases. Jeffries JT, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):783–5

Vascular injury associated with low-velocity dislocations of the knee. McCoy GF, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):285–7

Civilian popliteal artery trauma. Weimann S, et al. **J Cardiovasc Surg (Torino)** 1987 Mar-Apr;28(2):145–51

Bilateral popliteal arteriovenous fistulas. Morano JU, et al. **J Trauma** 1987 May;27(5):577–8

Use of temporary intraluminal shunts in selected peripheral arterial injuries. Nichols JG, et al. **J Trauma** 1986 Dec; 26(12):1094–6

PATHOLOGY

Bilateral entrapment of popliteal artery in a young girl. Elbaz C. **Angiology** 1976 Jan;27(1):65–9

Non-invasive femoropopliteal assessment: is that angiogram really necessary? Shearman CP, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1086–9

Arterial calcification and tourniquets [letter] Irvine GB, et al. **Lancet** 1986 Nov 22;2(8517):1217

[Is it permissible to use the combination urokinase-plasminogen by local administration in ischemias caused by popliteal or sub-popliteal thrombosis?] Giraud C, et al. **Haemostasis** 1986;16 Suppl 4:83–6 **(Fre)**

PHYSIOPATHOLOGY

The femoral arterial flow velocity pattern in patients with atherosclerotic obstruction of the femoropopliteal segment. A study based on pulsed Doppler ultrasound flowmetry. Jørgensen JJ, et al. **Acta Chir Scand** 1986 Aug-Sep; 152:503–7

RADIATION EFFECTS

Radiation-induced occlusion of the artery in the distal lower extremity—a case report. Amemiya A, et al. **Jpn J Surg** 1987 May;17(3):178–81

RADIOGRAPHY

Popliteal vein thrombosis and popliteal artery pseudoaneurysm complicating osteochondroma of the femur. Lizama VA, et al. **AJR** 1987 Apr;148(4):783–4

Computed tomography and sonography of cystic adventitial disease. Fitzjohn TP, et al. **Br J Radiol** 1986 Sep; 59(705):933–5

Non-invasive femoropopliteal assessment: is that angiogram really necessary? [letter] Baker AR, et al. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1505

Percutaneous recanalization of total iliac and femoro-popliteal artery occlusions. Graziani L. **Eur J Radiol** 1987 May;7(2):91–3

Popliteal artery stenosis caused by a Baker's cyst. Olcott C 4th, et al. **J Vasc Surg** 1986 Oct;4(4):403–5

Fibromuscular dysplasia and thrombosed aneurysm of the popliteal artery in a child. Stinnett DM, et al. **J Vasc Surg** 1987 May;5(5):769–72

Adventitial cystic disease of the popliteal artery. Jasinski RW, et al. **Radiology** 1987 Apr;163(1):153–5

[Bilateral popliteal artery aneurysm revealing an entrapment] Pailler JL, et al. **J Chir (Paris)** 1986 Aug-Sep; 123(8–9):480–3 (Eng. Abstr.) **(Fre)**

[Intra-arterial streptokinase as an active method against peripheral arterial thrombosis] Ostergren J, et al. **Lakartidningen** 1987 Mar 4;84(10):752–3 **(Swe)**

RADIONUCLIDE IMAGING

Mycotic aneurysm visualized on technetium-99m venogram. Skarzynski JJ, et al. **Clin Nucl Med** 1987 Jun;12(6):428–9

SURGERY

Popliteal-to-tibial in situ saphenous vein bypass for limb salvage in diabetic patients. Rhodes GR, et al. **Am J Surg** 1987 Aug;154(2):245–7

Use of the short saphenous vein in situ for popliteal-to-distal artery bypass. Shandall AA, et al. **Am J Surg** 1987 Aug; 154(2):240–4

Progression of arteriosclerotic disease in the failed infrainguinal bypass. Gutierrez IZ, et al. **Am Surg** 1987 Sep;53(9):482–4

Distal anastomotic obstruction with patent infrainguinal bypass. Hans SS, et al. **Am Surg** 1986 Nov;52(11):607–10

The effects of aspirin, dipyridamole and warfarin in femorodistal reconstruction: long-term results. Rosenthal D, et al. **Am Surg** 1987 Sep;53(9):477–81

Below knee femoropopliteal bypass in severe ischaemia: results using EXS Dacron and human umbilical vein. Clifford PC, et al. **Ann R Coll Surg Engl** 1986 Nov; 68(6):319–22

Sequential femoro-popliteal-tibial bypass grafting: operative technique and results. Lamberth WC Jr, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S31–5

Prospectively randomized clinical trial to compare in situ and reversed saphenous vein grafts for femoropopliteal bypass. Harris PL, et al. **Br J Surg** 1987 Apr;74(4):252–5

Influence of anticoagulant treatment in preventing graft occlusion following saphenous vein bypass for femoropopliteal occlusive disease. Kretschmer G, et al. **Br J Surg** 1986 Sep;73(9):689–92

Early diagnosis of femorodistal graft stenoses. Wolfe JH, et al. **Br J Surg** 1987 Apr;74(4):268–70

Thrombosis prevention with ticlopidine after femoropopliteal thromboendarterectomy. Castelli P, et al. **Int Surg** 1986 Oct-Dec;71(4):252–5

Successful vascular reconstruction after inadvertent femoral artery "stripping" Pegoraro M, et al. **J Cardiovasc Surg (Torino)** 1987 Jul-Aug;28(4):440–4

The significance of tibial artery disease in the management of popliteal aneurysms. Raptis S, et al. **J Cardiovasc Surg (Torino)** 1986 Nov-Dec;27(6):703–8

Intraoperative outflow resistance as a predictor of late patency of femoropopliteal and infrapopliteal arterial

bypasses. Ascer E, et al. **J Vasc Surg** 1987 Jun;5(6):820–7
Durability of the in situ saphenous vein arterial bypass: a comparison of primary and secondary patency. Bandyk DF, et al. **J Vasc Surg** 1987 Feb;5(2):256–68
Does the in situ technique for autologous vein femoropopliteal bypass offer any hemodynamic advantage? Beard JD, et al. **J Vasc Surg** 1986 Dec;4(6):588–94
Improved patency in reversed femoral–infrapopliteal autogenous vein grafts by early detection and treatment of the failing graft. Berkowitz HD, et al. **J Vasc Surg** 1987 May;5(5):753–61
Does the in situ technique improve flow characteristics in femoropopliteal bypass? Gannon MX, et al. **J Vasc Surg** 1986 Dec;4(6):595–9
Regional nerve block for femoropopliteal and tibial arterial reconstructions. Giordano JM, et al. **J Vasc Surg** 1986 Oct; 4(4):351–4
Endothelial seeding of polytetrafluoroethylene popliteal bypasses. A preliminary report. Herring MB, et al. **J Vasc Surg** 1987 Aug;6(2):114–8
Superficial femoral–popliteal veins and reversed saphenous veins as primary femoropopliteal bypass grafts: a randomized comparative study. Schulman ML, et al. **J Vasc Surg** 1987 Jul;6(1):1–10
Lateral approach to the popliteal artery. Veith FJ, et al. **J Vasc Surg** 1987 Aug;6(2):119–23
The effect of cigarette smoking on the long term success rates of aortofemoral and femoropopliteal reconstructions. Provan JL, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):49–52
Management of acute infrainguinal arterial thrombosis: combined intraoperative balloon thrombectomy with balloon angioplasty: a preliminary report. Ammar AD, et al. **Surgery** 1987 Feb;101(2):176–80
The influence of anticoagulant treatment on the probability of function in femoropopliteal vein bypass surgery: analysis of a clinical series (1970 to 1985) and interim evaluation of a controlled clinical trial. Kretschmer G, et al. **Surgery** 1987 Sep;102(3):453–9
[Are axillo–distal bypasses justified? Apropos of 70 cases over an 8-year period] Hassen–Khodja R, et al. **J Chir (Paris)** 1987 Mar;124(3):175–80 (Eng. Abstr.) **(Fre)**
[Entrapment and cystic degeneration of the adventitia as a cause of occlusion of the popliteal artery] van Berge Henegouwen DP, et al. **Chirurg** 1986 Dec;57(12):797–800 (Eng. Abstr.) **(Ger)**
[Two–plane angiography of femoropopliteal vascular prostheses with 90knee flexion] Hoevels J, et al. **ROFO** 1986 Dec;145(6):705–7 (Eng. Abstr.) **(Ger)**
[Femorocrural venous bypass in situ] Lichtsteiner M. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):617–9 (Eng. Abstr.) **(Ger)**
[Autologous venous bypass in the therapy of arterial occlusive disease of the femoropopliteal area: long–term results] Kretschmer G, et al. **Wien Klin Wochenschr** 1986 Dec 19;98(24):830–8 (Eng. Abstr.) **(Ger)**
[Assessment of immediate results of surgical treatment of femoropopliteal impatency] Michalak J, et al. **Pol Tyg Lek** 1987 Mar 23–30;42(12–13):365–7 (Eng. Abstr.) **(Pol)**
[Femorotibial bypass with non–reversed saphenous vein. Report of 5 cases] Albers MT, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):290–2 (Eng. Abstr.) **(Por)**
[Clinical value of regional viscosimetry of the blood in the treatment of arteriosclerotic occlusion of femoral–popliteal arterial segments] Ovchinnikov VA, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):60–5 (Eng. Abstr.) **(Rus)**
[Role of reconstruction of the deep femoral artery in the treatment of late femoro–popliteal reocclusion] Zatevakhin II, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):48–51 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the results of auto– and allovenous shunting of femoro–popliteal arteries] Abashkin VN. **Klin Khir** 1986;(7):70–1 **(Rus)**
[Femoropopliteal venous bypass in situ] Paškan J. **Rozhl Chir** 1986 Aug;65(8–9):612–6 (Eng. Abstr.) **(Slo)**

POPLITEAL CYST see under **SYNOVIAL CYST**

POPLITEAL VEIN

Experimental popliteal vein thrombosis. Fløistrup S, et al. **Nucl Med Commun** 1987 Mar;8(3):143–8
[Diagnosis of traumatic arteriovenous fistulae] Zamiatin VV, et al. **Vestn Khir** 1986 Oct;137(10):77 **(Rus)**

INJURIES

Vascular injury associated with low–velocity dislocations of the knee. McCoy GF, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):285–7
Bilateral popliteal arteriovenous fistulas. Morano JU, et al. **J Trauma** 1987 May;27(5):577–8

RADIOGRAPHY

Popliteal vein thrombosis and popliteal artery pseudoaneurysm complicating osteochondroma of the femur. Lizama VA, et al. **AJR** 1987 Apr;148(4):783–4
Leiomyosarcoma of the popliteal vein [letter] Kaufman JL. **Arch Surg** 1987 Jan;122(1):119

SURGERY

Morphological changes in femoropopliteal venous grafts. Majewski W, et al. **Acta Chir Belg** 1986 Nov–Dec; 86(6):340–4
Clinical, hemodynamic, and anatomic follow–up of direct venous reconstruction. O'Donnell TF Jr, et al. **Arch Surg** 1987 Apr;122(4):474–82
Effects of knee flexion on the in situ femoropopliteal vein bypass graft. Wolfe JH, et al. **Br J Surg** 1987 Jul;74(7):650
Results of thrombectomy in recent thrombosis of the crural and popliteal veins. Denck H. **Int Angiol** 1987 Jan–Mar; 6(1):89–93
[Evaluation of the muscular loop formed by semitendinosus and biceps femoris muscles in the treatment of deep vein valvular incompetence of the lower extremity] Shang HZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):464–6, 509 (Eng. Abstr.) **(Chi)**
[Valvular substitution of the popliteal vein in deep venous insufficiency of the lower extremity] Psathakis ND, et al. **Zentralbl Chir** 1986;111(21):1337–53 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Superficial femoral–popliteal veins and reversed saphenous veins as primary femoropopliteal bypass grafts: a randomized comparative study. Schulman ML, et al. **J Vasc Surg** 1987 Jul;6(1):1–10

POPULATION

Partial correlation of distance matrices in studies of population structure. Dow MM, et al. **Am J Phys Anthropol** 1987 Mar;72(3):343–52
The Irish Famine and its sequel: population structure changes in the Ards Peninsula, Co. Down, 1841–1911. Bittles AH, et al. **Ann Hum Biol** 1986 Sep–Oct;13(5):473–87
Inference based on type II censored samples. Schneider H, et al. **Biometrics** 1986 Sep;42(3):531–6
Population and the invisible hand. Demeny P. **Demography** 1986 Nov;23(4):473–87
Examination of the generalized age distribution. Kim YJ. **Demography** 1986 Aug;23(3):451–65
A gravity model of human population structure [published erratum appears in Hum Biol 1987 Apr;59(2):following 384] Relethford JH. **Hum Biol** 1986 Oct;58(5):801–15
Physiological variation and population structure of the island of Korčula, Yugoslavia. Smolej N, et al. **Hum Biol** 1987 Aug;59(4):667–85
Persistence in population models with demographic fluctuations. Hallam TG, et al. **J Math Biol** 1986; 24(3):327–39
Limit theorems for the population size of a birth and death process allowing catastrophes. Pakes AG. **J Math Biol** 1987;25(3):307–25
Effects of noise on some dynamical models in ecology. Schaffer WM, et al. **J Math Biol** 1986;24(5):479–523
Age–, sex–, and menopause–related changes of vertebral and peripheral bone: population study using dual and single photon absorptiometry and radiogrammetry. Geusens P, et al. **J Nucl Med** 1986 Oct;27(10):1540–9
Why the world needs population biology to solve its problems [news] Anderson A. **Nature** 1987 Sep 3–9; 329(6134):6
A methodology for estimating time–of–day variations in the size of a population exposed to risk. Glickman TS. **Risk Anal** 1986 Sep;6(3):317–24
[Experience in dividing Tyumen Province into districts according to typhoid morbidity based on sanitary demographic factors] Mefod'ev VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):56–9 (Eng. Abstr.) **(Rus)**

POPULATION CONTROL

see related
ABORTION, LEGAL
FAMILY PLANNING
STERILIZATION, SEXUAL

Metabolic side–effects of injectable depot–medroxyprogesterone acetate, 150 mg three–monthly, in undernourished lactating women. WHO Task Force on Long–acting Agents for Fertility Regulation. **Bull WHO** 1986;64(4):587–94
Abortion: world perspectives in the mid–1980s. Loraine JA. **Fam Pract** 1986 Dec;3(4):266–71
Demographic trends in India and the tasks ahead. Chaudhuri SK. **J Indian Med Assoc** 1986 Jun;84(6):169–71
The contribution of social science research to population policy and family planning program effectiveness. Freedman R. **Stud Fam Plann** 1987 Mar–Apr;18(2):57–82
[Moral–rights aspects of regulating demographic processes] Kogan VL, et al. **Sov Zdravookhr** 1986;(9):66–9 **(Rus)**
[Perspectives in demographic growth in Czechoslovakia and possibilities of its control by gynecologists] Poradovský K. **Cesk Gynekol** 1986 Nov;51(9):685–7 **(Slo)**

POPULATION DENSITY

see related
CROWDING
SOCIAL ISOLATION

A linear model for estimating the size of a closed population. Bonett DG, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):28–40
Equilibria in systems of interacting structured populations. Cushing JM. **J Math Biol** 1987;24(6):627–49
On density and extinction in continuous population models. Hallam TG, et al. **J Math Biol** 1987;25(2):191–201
[Technical note on hospital hierarchies and the determination of density areas] Thouez JP, et al. **Geogr Med** 1986;16:143–9 **(Fre)**
[Influence of body weight and population density on the number of ova shed in the superovulation–treated adult rat] Kagabu S. **Jikken Dobutsu** 1986 Jul;35(3):275–7 (Eng. Abstr.) **(Jpn)**

POPULATION DISTRIBUTION see **DEMOGRAPHY**

POPULATION DYNAMICS

Baby booms, birth dearths, fertility rates, and risky demographic predictions [editorial] Dewel BF. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):181–2
Microdifferentiation in historical Massachusetts: a comparison of migration matrix and isonymy analyses. Relethford JH. **Am J Phys Anthropol** 1986 Nov; 71(3):365–75
The aging of man and society. Pavan R. **Arch Gerontol Geriatr** 1987 Apr;6(1):3–9
Constant–parameter capture–recapture models. Brownie C, et al. **Biometrics** 1986 Sep;42(3):561–74
Global stability in time–delayed single–species dynamics. Freedman HI, et al. **Bull Math Biol** 1986;48(5–6):485–92
Convergence in a resource–based competition system. Gopalsamy K. **Bull Math Biol** 1986;48(5–6):681–99
Diffusion effect on stability of Lotka–Volterra models. Takeuchi Y. **Bull Math Biol** 1986;48(5–6):585–601
Implications of Australia's changing aged population for nursing homes and other accommodation facilities—the ethnic aged in Australia. Pensabene TS, et al. **Community Health Stud** 1986;10(3 Suppl):50s–59s
Changing living arrangements: a hazard model of transitions among household types. Richards T, et al. **Demography** 1987 Feb;24(1):77–97
Population replacement and immigrant adaptation: new issues facing the West. Espenshade TJ. **Fam Plann Perspect** 1987 May–Jun;19(3):115–8
Population decline: a threat to the West? McIntosh CA, et al. **Fam Plann Perspect** 1986 Sep–Oct;18(5):234–8
Able elderly in the family context: changes, chances, and challenges. Hagestad GO. **Gerontologist** 1987 Aug; 27(4):417–22
Consequences of the demographic revolution. Morris R. **Gerontologist** 1987 Aug;27(4):423–4
The changing demographic determinants of the growth of the extreme aged. Rosenwaike I, et al. **Gerontologist** 1987 Jun;27(3):275–80
Challenges in long–term care policy. Mechanic D. **Health Aff (Millwood)** 1987 Summer;6(2):22–34
Forecasting cataract surgeries and intraocular lens implantation to 1990 using a model of population dynamics. Coopersmith LW, et al. **J Cataract Refract Surg** 1987 May; 13(3):302–8
A comparative examination of the residential segregation of persons 65 to 74 and persons 75 and above in 18 United States metropolitan areas for 1970 and 1980. Tierney JP. **J Gerontol** 1987 Jan;42(1):101–6
Distance versus destination: stream selectivity of elderly interstate migrants. Yeatts DE, et al. **J Gerontol** 1987 May; 42(3):288–94
Population dynamics of mutant alleles under maternal effect in plant populations. Yokoyama S, et al. **J Hered** 1986 Jul–Aug;77(4):256–60
Persistence, extinction, and critical patch number for island populations. Allen LJ. **J Math Biol** 1987;24(6):617–25
The rate of convergence of a generalized stable population. Artzrouni M. **J Math Biol** 1986;24(4):405–22
Equilibria in systems of interacting structured populations. Cushing JM. **J Math Biol** 1987;24(6):627–49
Periodic Lotka–Volterra competition equations. Cushing JM. **J Math Biol** 1986;24(4):381–403
Equilibrium and local stability in a logistic matrix model for age–structured populations. Liu L, et al. **J Math Biol** 1987; 25(1):73–88
Optimal harvesting of a logistic population in an environment with stochastic jumps. Ryan D, et al. **J Math Biol** 1986; 24(3):259–77
The population dynamics of acquired immunity to helminth infection. Berding C, et al. **J Theor Biol** 1986 Oct 21; 122(4):459–71
Profile of American youth. **Stat Bull Metrop Insur Co** 1986 Jan–Mar;67(1):10–3
Dynamics of populations with changing rates: generalization of the stable population theory. Kim YJ. **Theor Popul Biol** 1987 Apr;31(2):306–22
Invasion and coexistence of two phenotypically variable species. Milligan BG. **Theor Popul Biol** 1986 Oct; 30(2):245–70
Competition and body size. Smith JM, et al. **Theor Popul Biol** 1986 Oct;30(2):166–79
The demographic and socio–economic situation of the elderly in the Netherlands. An overview. van Poppel FW, et al. **Tijdschr Gerontol Geriatr** 1987 May;18(2A):107–16
The impact of demographic trends on health: introduction.

Lopez AD. **World Health Stat Q** 1987;40(1):2–5 **(Eng, Fre)**

[National mortality data and the cost of health care] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1987 Jan 17; 131(3):108–12 (Eng. Abstr.) **(Dut)**

[The effect of demography on the consumption of pharmaceuticals] Pelc A. **Cah Sociol Demogr Med** 1986 Apr–Jun;26(2):133–49 **(Fre)**

[Geriatric activities in Valais (Sion region). Status and reflections] Bayard C. **Rev Med Suisse Romande** 1987 Mar; 107(3):229–34 **(Fre)**

POPULATION EXPLOSION see **POPULATION GROWTH**

POPULATION GROWTH

Menopause, developing countries and the 21st century. Diczfalusy E. **Acta Obstet Gynecol Scand [Suppl]** 1986; 134:45–57

Estimating mortality in skeletal populations: influence of the growth rate on the interpretation of levels and trends during the transition to agriculture. Johansson SR, et al. **Am J Phys Anthropol** 1986 Oct;71(2):233–50

Low rate of population increase of the Gidra Papuans in the past: a genealogical–demographic analysis. Ohtsuka R. **Am J Phys Anthropol** 1986 Sep;71(1):13–23

Microdifferentiation in historical Massachusetts: a comparison of migration matrix and isonymy analyses. Relethford JH. **Am J Phys Anthropol** 1986 Nov; 71(3):365–75

McKeown reassessed [editorial] Farrow SC. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1631–2

Stochastic model of population growth and spread. De SS. **Bull Math Biol** 1987;49(1):1–11

Time delays produced by essential nonlinearity in population growth models. Rosen G. **Bull Math Biol** 1987;49(2):253–5

The overpopulation syndrome: a fundamental issue in human ecology. Loraine JA. **Community Med** 1986 Nov;8(4):281–5

Population growth and economic development: two new U.S. perspectives. Wulf D, et al. **Fam Plann Perspect** 1986 Jul–Aug;18(4):181–4

Overpopulation as crisis: redirecting health care services in rural Bangladesh. Feldman S. **Int J Health Serv** 1987; 17(1):113–31

Malthus's Essay on Population: the facts of "super-growth" and the rhetoric of scientific persuasion. Rashid S. **J Hist Behav Sci** 1987 Jan;23(1):22–36

Demography in stochastic environments. II. Growth and convergence rates. Tuljapurkar S. **J Math Biol** 1986; 24(5):569–81

Population growth and resource allocation [letter] Weatherburn H. **Lancet** 1986 Dec 20–27;2(8521–22):1461

World population perspectives 1985. Loraine JA. **Med War** 1985 Sep–Dec;1(3):177–86

Quality of 1980 census data for American Indians. Passel JS, et al. **Soc Biol** 1986 Fall–Winter;33(3–4):163–82

Settlement formation in north-central Massachusetts, 1700–1850. Relethford JH. **Soc Biol** 1986 Fall–Winter; 33(3–4):276–90

World demographic trends. Population Division of the Department of International Economic and Social Affairs, United Nations Secretariat. **World Health Stat Q** 1987; 40(1):6–21 **(Eng, Fre)**

[Who will intercede for the elderly? Sequelae of demographic development] Keil TU. **Fortschr Med** 1987 Apr 20; 105(11):54–5 **(Ger)**

[The age pyramid from the viewpoint of the federal government, especially with regard to the question of early pensions] Hausner F. **Wien Med Wochenschr** 1987 Feb 15; 137(2–3):39–40 (Eng. Abstr.) **(Ger)**

[Relation between demographic reproduction and development of the population] Strohbach E. **Z Gesamte Hyg** 1987 Mar;33(3):161–2 (Eng. Abstr.) **(Ger)**

POPULATION SURVEILLANCE

The effect of underreporting on the apparent incidence and epidemiology of acute viral hepatitis. Alter MJ, et al. **Am J Epidemiol** 1987 Jan;125(1):133–9

The epidemiologic surveillance of medical care [editorial] Caper P. **Am J Public Health** 1987 Jun;77(6):669–70

A computer network for the surveillance of communicable diseases: the French experiment. Valleron AJ, et al. **Am J Public Health** 1986 Nov;76(11):1289–92

Measuring morbidity [editorial] Coulter A. **Br Med J** 1987 Jan 31;294(6567):263–4

French lessons on surveillance of communicable diseases [editorial] McCormick A. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):74–5

A simple surveillance system for xerophthalmia and childhood corneal ulceration. Foster A, et al. **Bull WHO** 1986;64(5):725–8

Adult physical activity in Canada: findings from the Canada Fitness Survey I. Stephens T, et al. **Can J Public Health** 1986 Jul–Aug;77(4):285–90

Adult physical fitness and hypertension in Canada: findings from the Canada Fitness Survey II. Stephens T, et al. **Can J Public Health** 1986 Jul–Aug;77(4):291–5

Efficacy of different surveillance systems in detecting hospital-acquired infections. Bartlett CL. **Chemioterapia** 1987 Jun;6(3):152–5

Surveillance activity in Italy. Greco D, et al. **Chemioterapia** 1987 Jun;6(3):156–60

A review of statistical methods for continuous monitoring of malformation frequencies. Barbujani G. **Eur J Epidemiol** 1987 Mar;3(1):67–77 (83 ref.)

Surveillance of birth defects: the Multicommunity Sets Technique tested by computer simulation. Barbujani G, et al. **Eur J Epidemiol** 1986 Mar;2(1):52–62

The relative risk of inflammatory bowel disease among parents and siblings of Crohn's disease patients. Fielding JF. **J Clin Gastroenterol** 1986 Dec;8(6):655–7

A stratified approach to the compilation of blood group frequency surveys. Buckleton JS, et al. **J Forensic Sci Soc** 1987 Mar–Apr;27(2):103–12

Effectiveness of diarrhoeal diseases surveillance by village health volunteer. Mangklasriri R, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:91–3

Problems in notification and screening of workers at high risk of disease. Schulte PA. **J Occup Med** 1986 Oct; 28(10):951–7

How should the health of communities near nuclear installations be monitored? Ennis JR. **J Soc Occup Med** 1987 Spring;37(1):19–23

Behavioral Risk Factor Surveillance--selected states, 1986. **MMWR** 1987 May 1;36(16):252–4

Review of death certificates to assess completeness of AIDS case reporting. Hardy AM, et al. **Public Health Rep** 1987 Jul–Aug;102(4):386–91

Quality of 1980 census data for American Indians. Passel JS, et al. **Soc Biol** 1986 Fall–Winter;33(3–4):163–82

A population–based survey of loss and psychological distress during war. Hourani LL, et al. **Soc Sci Med** 1986; 23(3):269–75

Privacy protection and population–based health research. Lako CJ. **Soc Sci Med** 1986;23(3):293–5

Aging in a 'healthy' population. McKinlay SM, et al. **Soc Sci Med** 1986;23(5):531–5

Proximate determinants of fertility and policy implications in Beijing. Wang SX, et al. **Stud Fam Plann** 1987 Jul–Aug; 18(4):222–8

Emerging roles for cancer registries in cancer control. Greenwald P, et al. **Yale J Biol Med** 1986 Sep–Oct; 59(5):561–6

[Surveillance and prevention of AIDS in China] Zheng WE, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Apr;8(2):126–8 **(Chi)**

[Retrospective population surveillance of the side effects of cosmetics] de Groot AC, et al. **Ned Tijdschr Geneeskd** 1987 May 16;131(20):863–5 (Eng. Abstr.) **(Dut)**

[Endemic emergence of yellow fever in the Ivory Coast: the place of anti–yellow fever IgM detection in the strategy of surveillance] Lhuillier M, et al. **Bull WHO** 1986; 64(3):415–20 (Eng. Abstr.) **(Fre)**

[Epidemiology of acute hepatitis among outpatients in the urban community of Lyon, 1983] Chossegros P, et al. **Rev Epidemiol Sante Publique** 1986;34(3):174–80 (Eng. Abstr.) **(Fre)**

[The use of coronary vessel radiography in Switzerland: a population study] Eggimann B, et al. **Schweiz Med Wochenschr** 1987 May 16;117(20):747–55 (Eng. Abstr.) **(Fre)**

[Blood lead level in Switzerland in 1985: results of the MONICA survey] Martin R, et al. **Soz Praventivmed** 1987; 32(2):87–90 (Eng. Abstr.) **(Fre)**

[Epidemiological surveillance and the environment. I] Gosselin P, et al. **Union Med Can** 1986 Oct;115(10):741–4 (Eng. Abstr.) **(Fre)**

[Epidemiologic surveillance and the environment. 2] Gosselin P, et al. **Union Med Can** 1986 Nov;115(11):803–6 (45 ref.) (Eng. Abstr.) **(Fre)**

[Physical activity and sports of the Swiss population. Epidemiological findings of SOMIPOPS (NFP–8) (Sociomedical Indicator System of the Population of Switzerland)] Marti B, et al. **Schweiz Rundsch Med Prax** 1986 Nov 18;75(47):1420–6 (Eng. Abstr.) **(Ger)**

[Reports on AIDS surveillance in Italy as of 18 January 1987] Tarentini Trojani F. **Clin Ter** 1987 Apr 15;121(1):75–80 **(Ita)**

[Estimation of epidemics using surveillance data--Kawasaki disease in Fukuoka, Japan] Nakamura Y. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):836–42 (Eng. Abstr.) **(Jpn)**

[The system of epidemiological surveillance as a reflection of the structure of the epidemic process] Cherkasskil BL. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):74–8 (Eng. Abstr.) **(Rus)**

[Epidemiological surveillance of meningococcal infection and the prediction of the development of an epidemic process] Deviatkina NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):13–6 (Eng. Abstr.) **(Rus)**

[Current aspects of the short–term prognosis of meningococcal infection morbidity for the sake of epidemiological surveillance] Iafaev RKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):16–20 (Eng. Abstr.) **(Rus)**

[Epidemiological surveillance of influenza based on research data on collective immunity] Ismagulov AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):34–6 (Eng. Abstr.) **(Rus)**

[Means of optimizing the epidemiological surveillance of infectious diseases in the USSR] Pokrovskii VI. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):3–7 (Eng. Abstr.) **(Rus)**

[Epidemiological monitoring in salmonellosis] Rakitin PA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov; (11):54–6 (Eng. Abstr.) **(Rus)**

[Work experience of the Minsk City Epidemiological Health Station in organizing a system for the epidemiological health surveillance of infectious diseases] Shestopalov NV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov; (11):65–8 (Eng. Abstr.) **(Rus)**

[Improved method for sanitary bacteriological control in the epidemiological surveillance of suppurative–inflammatory diseases in maternity hospitals] Usacheva SIu. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):36–9 (Eng. Abstr.) **(Rus)**

[Prevention of acute intestinal infections based on the epidemiological surveillance system] V'iushkov MV. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

[Automated epidemiological surveillance] Calunga Ros M. **Rev Cubana Med Trop** 1985 Sep–Dec;37(3):229–30 **(Spa)**

[Surveillance of nosocomial infections in a second–level hospital: problems and choices] García García ML, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):623–9 (Eng. Abstr.) **(Spa)**

[Surveillance of nosocomial infection in the cancer patient] Lazo de la Vega Jasso S, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):636–41 (Eng. Abstr.) **(Spa)**

[Efficacy of a program for the control of nosocomial infections: a real possibility for improving the quality of medical care] Ponce de León Rosales S, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):593–8 (Eng. Abstr.) **(Spa)**

[Initial results of a nosocomial infection surveillance program at the National Institutes of Health] Ponce de León Rosales S, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):583–92 (Eng. Abstr.) **(Spa)**

[Intrahospital infections: epidemiologic surveillance at the National Institute of Respiratory Diseases] Sada Diaz E, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):611–5 (Eng. Abstr.) **(Spa)**

PORCELAIN see **DENTAL PORCELAIN**

PORCINE XENOGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

PORCUPINES see **RODENTIA**

PORFIROMYCIN see under **MITOMYCINS**

PORGIES see **PERCIFORMES**

PORIFERA

Biophysical properties of unusual phospholipids and sterols from marine invertebrates. Ayanoğlu E, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):110–4

Biophysical properties of unusual phospholipids and sterols from marine invertebrates. Ayanoğlu E, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):111–4

Dermatitis due to stinging sponges. Burnett JW, et al. **Cutis** 1987 Jun;39(6):476

Involvement of carbohydrates as multiple low affinity interaction sites in the self–association of the aggregation factor from the marine sponge Microciona prolifera. Misevic GN, et al. **J Biol Chem** 1987 Apr 25;262(12):5870–7

ANALYSIS

High performance liquid chromatography and fast atom bombardment mass spectrometry of unusual branched and unsaturated phospholipid molecular species. Dasgupta A, et al. **Chem Phys Lipids** 1987 Mar;43(2):101–11

Hymenin, a novel alpha–adrenoreceptor blocking agent from the Okinawan marine sponge Hymeniacidon sp. Kobayashi J, et al. **Experientia** 1986 Sep 15;42(9):1064–5

A novel antagonist of serotonergic receptors, hymenidin, isolated from the Okinawan marine sponge Hymeniacidon sp. Kobayashi J, et al. **Experientia** 1986 Oct 15; 42(10):1176–7

Recent developments in the field of marine natural products with emphasis on biologically active compounds. Krebs HC. **Fortschr Chem Org Naturst** 1986;49:151–363 (760 ref.)

Sesterterpenes from a common marine sponge, Hyrtios erecta. Crews P, et al. **J Nat Prod** 1986 Nov–Dec; 49(6):1041–52

Phospholipid studies of marine organisms: 14. Ether lipids of the sponge Tethya aurantia. Smith GM, et al. **Lipids** 1987 Apr;22(4):236–40

Minor and trace sterols from marine invertebrates 56. Novel coprostanols from the marine sponge Petrosia ficiformis. Seidel SB, et al. **Steroids** 1986 Jan;47(1):49–62

CYTOLOGY

A role for sulfated polysaccharide recognition in sponge cell aggregation. Coombe DR, et al. **Exp Cell Res** 1987 Jun; 170(2):381–401

IMMUNOLOGY

Inhibition of the allorejection in the freshwater sponge Ephydatia fluviatilis. Van de Vyver G, et al. **Dev Comp Immunol** 1986 Summer;10(3):429–35

METABOLISM

Animal carotenoids. 31. Structure elucidation of a sponge metabolite via mesylate elimination. Sliwka HR, et al. **Acta Chem Scand [B]** 1987 Apr;41(4):245–52

Synthesis of renierone, 7–methoxy–1,6–dimethyl–5,8–dihydroisoquinoline–5,8–dione and N–formyl–1,2–dihydrorenierone, antimicrobial metabolites from a marine sponge, Reniera sp. Kubo A, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4056–68

Metabolism of some carcinogenic aromatic amines in four species of marine sponges. Kurelec B, et al. **Comp Biochem Physiol [C]** 1987;86(1):17–22

Role of the aggregation factor in the regulation of phosphoinositide metabolism in sponges. Possible consequences on calcium efflux and on mitogenesis. Müller WE, et al. **J Biol Chem** 1987 Jul 15;262(20):9850–8

Sponge aggregation factor: in situ localization by fluorescent monoclonal antibody techniques. Gramzow M, et al. **J Cell Biochem** 1986;31(4):251–8

MICROBIOLOGY

Caribbean sponge–related Pseudomonas folliculitis [letter] Scupham R, et al. **JAMA** 1987 Sep 25;258(12):1607–8

ULTRASTRUCTURE

Sponge secondary metabolites: biochemical and ultrastructural localization of the antimitotic agent avarol in Dysidea avara. Müller WE, et al. **J Histochem Cytochem** 1986 Dec;34(12):1687–90

PORNOGRAPHY see **EROTICA**

PORP see **OSSICULAR REPLACEMENT PROSTHESIS**

PORPHOBILINOGEN

CHEMICAL SYNTHESIS

The synthesis of stereoselectively labelled porphobilinogen and its incorporation into protoporphyrin–IX. Jackson AH, et al. **Experientia** 1987 Aug 15;43(8):892–4

URINE

A comparison of the utility of Dowex resin and polybenzimidazole Aurorez resin in the determination of urinary porphobilinogen concentrations. Galbraith RA, et al. **Clin Chim Acta** 1987 Apr 30;164(2):235–9

[Evaluation of porphyrinogenic effect of lindane in rats] Vila MC, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(1):69–76 (Eng. Abstr.) **(Spa)**

PORPHOBILINOGEN DEAMINASE see under **AMMONIA–LYASES**

PORPHOBILINOGEN SYNTHASE see **AMINOLEVULINIC ACID DEHYDRATASE**

PORPHYRIA

The porphyrias. Poh–Fitzpatrick MB. **Dermatol Clin** 1987 Jan;5(1):55–61 (44 ref.)

Acute intermittent porphyria: the first case report in Malaysia. Jeyamalar R, et al. **Singapore Med J** 1986 Dec;27(6):548–52

BLOOD

[Total and HDL lipoprotein fraction–bound cholesterol levels in patients with acute hepatic porphyria] Letowska M, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):883–5 (Eng. Abstr.) **(Pol)**

[Erythropoietic protoporphyria. Description of the first case identified in Mexico] Sánchez–Anzaldo FJ, et al. **Sangre (Barc)** 1987;32(2):236–42 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Polycyclic aromatic hydrocarbons cause hepatic porphyria in iron–loaded C57BL/10 mice: comparison of uroporphyrinogen decarboxylase inhibition with induction of alkoxyphenoxazone dealkylations. Francis JE, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):13–20

Induction of acute renal porphyria in Japanese quail by Aroclor 1254. Miranda CL, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3637–9

Naproxen–induced pseudoporphyria. Sterling JC, et al. **Br J Rheumatol** 1987 Jun;26(3):210–1

A review of porphyria and cancer and the missing link with human exposure to hexachlorobenzene. Axelson O. **IARC Sci Publ** 1986;(77):585–9 (13 ref.)

Rat–liver porphyrinogen carboxy–lyase inhibition as a function of the degree of hexachlorobenzene–induced porphyria. Billi SC, et al. **IARC Sci Publ** 1986;(77):487–91

Japanese quail as a model for the study of hexachlorobenzene–induced porphyria. Buhler DR, et al. **IARC Sci Publ** 1986;(77):477–80

Porphyrinogenic effect of hexachlorobenzene and 2,3,7,8–tetrachlorodibenzo–para–dioxin: is an inhibitor involved in uroporphyrinogen decarboxylase inactivation? Cantoni L, et al. **IARC Sci Publ** 1986;(77):449–56

Experimental hepatic porphyria caused by hexachlorobenzene: mechanism of the metabolic block. De Matteis F. **IARC Sci Publ** 1986;(77):427–31

Porphyria turcica: hexachlorobenzene–induced porphyria. Gocmen A, et al. **IARC Sci Publ** 1986;(77):567–73

Effects of chloroquine and hydroxychloroquine on the hexachlorobenzene–induced porphyria in rats. Goerz G, et al. **IARC Sci Publ** 1986;(77):513–5

Porphyria turcica: hexachlorobenzene–induced porphyria. Neurological manifestations and therapeutic trials of ethylenediaminetetracetic acid in the acute syndrome. Peters HA, et al. **IARC Sci Publ** 1986;(77):581–3

Neurotoxicity of hexachlorobenzene–induced porphyria turcica. Peters HA, et al. **IARC Sci Publ** 1986;(77):575–9

Induction of porphyria in cultured chick–embryo hepatocytes by halogenated aromatic compounds. Sinclair PR, et al. **IARC Sci Publ** 1986;(77):535–42

Genetic, iron status and sex factors of porphyria induced by hexachlorobenzene. Smith AG, et al. **IARC Sci Publ** 1986;(77):433–9

Studies on the role of iron in the alterations observed in hexachlorobenzene–induced porphyria. Wainstok de Calmanovici R, et al. **IARC Sci Publ** 1986;(77):497–503

Effect of an iron chelator on the onset of hexachlorobenzene–induced porphyria in rats. Wainstok de Calmanovici R, et al. **IARC Sci Publ** 1986;(77):507–11

Porphyria cutanea tarda symptomatica. Handa F, et al. **Indian J Dermatol** 1985 Apr;30(2):49–51

Clinical effects of alcohol in intermittent acute porphyria. Suri MS, et al. **J Assoc Physicians India** 1986 Oct;34(10):708–9

Polychemotherapy of acute myelogenous leukemia in a patient with acute intermittent porphyria. Wehmeier A, et al. **Klin Wochenschr** 1987 Apr 1;65(7):338–40

Role of inhibition of uroporphyrinogen decarboxylase in PCB–induced porphyria in mice. Seki Y, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):116–25

The delay in polyhalogenated aromatic hydrocarbon–induced porphyria: the effect of diet preparation. Kennedy SW, et al. **Toxicol Lett** 1986 Sep;32(3):195–202

[Drug risk of hepatic porphyria. Development of an animal experiment model] Deybach JC, et al. **Presse Med** 1987 Jan 24;16(2):68–71 (Eng. Abstr.) **(Fre)**

[Extrasystemic factors in the pathogenesis and prevention of porphyria cutanea tarda] Kaszewska I, et al. **Przegl Dermatol** 1986 Nov–Dec;73(6):457–63 (Eng. Abstr.) **(Pol)**

[Porphyria—a pharmacogenetic disease] Kostrzewska E, et al. **Wiad Lek** 1986 Dec 15;39(24):1713–7 (Eng. Abstr.) **(Pol)**

[A case of porphyria after treatment with cisplatin (letter)] Aramburo González P, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):738–9 **(Spa)**

CLASSIFICATION

[Pathogenesis, clinical aspects and treatment of porphyria] Idel'son LI. **Ter Arkh** 1987;59(6):143–50 **(Rus)**

COMPLICATIONS

Porphyria cutanea tarda associated with the acquired immune deficiency syndrome. Wissel PS, et al. **Am J Hematol** 1987 May;25(1):107–13

Necrotizing fasciitis. Review of the literature and case report. Wilkerson R, et al. **Clin Orthop** 1987 Mar;(216):187–92

Hepatic disease in erythropoietic protoporphyria. Mooyaart BR, et al. **Dermatologica** 1986;173(3):120–30

Acute intermittent porphyria—an unusual cause of "surgical" abdomen. Response to propranolol therapy. Srugo I, et al. **Eur J Pediatr** 1987 May;146(3):305–8

Aspects of primary liver cancer and its relation to porphyria cutanea tarda and porphyria acuta intermittens. Hardell L. **IARC Sci Publ** 1986;(77):591–2

Juvenile acute intermittent porphyria with hypercholesterolemia and epilepsy: a case report and review of the literature. Kaplan PW, et al. **J Child Neurol** 1986 Jan;1(1):38–45

Meningism, pericarditis/myocarditis—unrecognized manifestations of acute porphyria. Chaudhry MR. **JPMA** 1986 Sep;36(9):239–43

Psychiatric manifestations of porphyria. Scott L, et al. **SD J Med** 1987 May;40(5):5–8

Acute intermittent porphyria: report of a case. Lee FY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):442–7

[Porphyria cutanea tarda and neoplasms. Apropos of 2 cases] Dandurand M, et al. **Ann Dermatol Venereol** 1986;113(8):679–83 (Eng. Abstr.) **(Fre)**

[Peridural anesthesia with procaine and fentanyl in a parturient with acute intermittent porphyria] Joyau M, et al. **Ann Fr Anesth Reanim** 1986;5(4):453–5 (Eng. Abstr.) **(Fre)**

[Rhabdomyolysis in acute intermittent porphyria (letter)] Devars du Mayne JF, et al. **Presse Med** 1987 Feb 21;16(6):310 **(Fre)**

[Porphyria cutanea tarda and diabetes mellitus] Köstler E. **Dermatol Monatsschr** 1986;172(8):481–4 (Eng. Abstr.) **(Ger)**

[Combined pellagra, porphyria variegata and chronic alcoholism] Landman L, et al. **Harefuah** 1986 Dec 1;111(11):371–3 (Eng. Abstr.) **(Heb)**

[Morphofunctional evaluation of hepatic injury in porphyria cutaneous tarda by isotopic diagnosis with radiocolloids and bilio–tropic tracers] Biolcati GF, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar;33(1):33–8 (Eng. Abstr.) **(Ita)**

[Acute attack of porphyria and its results] Gregor A, et al. **Pol Arch Med Wewn** 1986 Apr;75(4):248–56 (Eng. Abstr.) **(Pol)**

[Liver cirrhosis in congenital erythropoietic protoporphyria] Szechciński J, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):899–901 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Washington University case conference. Dual porphyria—an underdiagnosed entity? Chan KM, et al. **Clin Chem** 1987 Jul;33(7):1190–3

Porphyria: genetic and acquired. Cripps DJ. **IARC Sci Publ** 1986;(77):549–66 (71 ref.)

Red blood cell porphobilinogen deaminase in the evaluation of acute intermittent porphyria [published erratum appears in JAMA 1987 Mar 13;257(10):1332] Pierach CA, et al. **JAMA** 1987 Jan 2;257(1):60–1

Günther's disease and the changing complexion of human porphyria [editorial] Bickers DR, et al. **Photodermatol** 1986 Dec;3(6):315–6

Porphyria cutanea tarda simulating scleroderma. Goh CL. **Singapore Med J** 1987 Feb;28(1):83–8

[Diagnosis of erythropoietic porphyrias and protoporphyrinemias] Köstler E, et al. **Dermatol Monatsschr** 1987;173(1):44–7 (Eng. Abstr.) **(Ger)**

[Porphyria cutanea tarda: pathognomonic needle–like inclusions in the cytoplasm of the hepatocytes (letter)] Grouls V, et al. **Dtsch Med Wochenschr** 1987 Jan 23;112(4):157 **(Ger)**

[Gastroenterologic and neurologic manifestations in acute intermittent porphyria] Stölzel U, et al. **Med Klin** 1987 Jul 17;82(15–16):520–5 (Eng. Abstr.) **(Ger)**

[A case of erythropoietic protoporphyria with neural and abdominal symptoms] Okada K, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):553–7 **(Jpn)**

[Porphyria variegata—a case report] Kossowski J, et al. **Neurol Neurochir Pol** 1986 Jul–Aug;20(4):371–3 (Eng. Abstr.) **(Pol)**

[Evaluation of the diagnostic usefulness of determining porphobilinogen deaminase activity in the erythrocytes in patients with acute intermittent porphyria and in carriers of the gene of this type of porphyria] Gregor A, et al. **Przegl Lek** 1986;43(11):703–5 (Eng. Abstr.) **(Pol)**

[Clinical picture, diagnosis and treatment of erythropoietic protoporphyria] Akimov VG. **Vrach Delo** 1987 Jul;(7):86–8 (Eng. Abstr.) **(Rus)**

[A case of acute intermittent porphyria] Zakhariia EA, et al. **Vrach Delo** 1987 Jul;(7):78–80 **(Rus)**

[The clinical problem of abnormalities of porphyrin metabolism] Bello–González A, et al. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):693–7 (Eng. Abstr.) **(Spa)**

[Differential diagnosis of various porphyrias. Experience with 28 cases] Armas–Merino R, et al. **Rev Med Chil** 1986 Apr;114(4):315–20 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Beta–carotene therapy for erythropoietic protoporphyria and other photosensitivity diseases. Mathews–Roth MM. **Biochimie** 1986 Jun;68(6):875–84 (125 ref.)

Two cases of infantile porphyria cutanea tarda: successful treatment with oral S–adenosyl–L–methionine and low–dose oral chloroquine. Battle AM, et al. **Br J Dermatol** 1987 Mar;116(3):407–15

Treatment of porphyria cutanea tarda [letter] Malina L. **Br J Dermatol** 1987 Jan;116(1):139–40

Haem arginate in acute hepatic porphyrias [letter] Kordač V, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1098

Haem arginate in the treatment of acute hepatic porphyrias. Mustajoki P, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):538–9

Clinical usefulness of cimetidine for the treatment of acute intermittent porphyria—a preliminary report. Horie Y, et al. **Clin Chim Acta** 1987 Aug 31;167(3):267–71

Chenodeoxycholic acid therapy in erythrohepatic protoporphyria. Van Hattum J, et al. **J Hepatol** 1986;3(3):407–12

Homozygous variegate porphyria: vitamin E as a possible therapeutic approach [letter] Ayres S. **J R Soc Med** 1987 Feb;80(2):129

Therapeutic efficacy of oral charcoal in congenital erythropoietic porphyria. Pimstone NR, et al. **N Engl J Med** 1987 Feb 12;316(7):390–3

Treatment of hemodialysis–related porphyria cutanea tarda with deferoxamine [letter] Praga M, et al. **N Engl J Med** 1987 Feb 26;316(9):547–8

Pseudoporphyria cutanea tarda associated with cyclosporine therapy [letter] Solá R, et al. **Transplantation** 1987 May;43(5):772

[Experience with the therapy of symptomatic liver porphyria using a combination of antimalarial agents—chloroquine with pyrimethamine] Zoubek V, et al. **Cas Lek Cesk** 1987

Feb 6;126(6):170–3 (Eng. Abstr.) (Cze)
[Treatment of cyclic attacks of acute intermittent porphyria with an LH–RH agonist administered by the intranasal route] Semon C, et al. **Ann Endocrinol (Paris)** 1986; 47(5):399–402 (Eng. Abstr.) (Fre)
[Acute attacks of hepatic porphyria. Treatment with hematin. 5 cases] Devars du Mayne JF, et al. **Presse Med** 1986 Oct 4;15(33):1673–6 (Eng. Abstr.) (Fre)
[Efficacy and tolerability of a new hematin in the treatment of an acute attack of porphyria (letter)] Fontaine B, et al. **Presse Med** 1987 Feb 7;16(4):177 (Fre)
[Treatment of acute intermittent porphyria with a new protein–bound lyophilized hematin] Fuchs T, et al. **Dtsch Med Wochenschr** 1987 Aug 21;112(34):1302–5 (Eng. Abstr.) (Ger)
[Death following administration of 1,250 mg chloroquine in porphyria cutanea tarda] Drasch G, et al. **Z Rechtsmed** 1986;97(4):285–93 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Increased activity of porphobilinogen deaminase in erythrocytes during attacks of acute intermittent porphyria. Kostrzewska E, et al. **Ann Clin Res** 1986;18(4):195–8
Mechanistic studies of the inhibition of hepatic uroporphyrinogen decarboxylase in C57BL/10 mice by iron–hexachlorobenzene synergism. Smith AG, et al. **Biochem J** 1986 Sep 15;238(3):871–8
Antipyrine metabolism in acute hepatic porphyria in relapse and remission. Birnie GG, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):358–61
Changes in some intestinal enzyme activities in experimental hexachlorobenzene–induced porphyria and modifying effects of diet. Ivanov E, et al. **IARC Sci Publ** 1986; (77):611–8
Liver porphyrinogen carboxylase in hexachlorobenzene porphyric rats. Studies with intermediate porphyrinogens of series III and with uroporphyrinogen I. Ríos de Molina MC, et al. **Int J Biochem** 1987;19(4):365–72
Red blood cell rhodanese: its possible role in modulating delta–aminolaevulinate synthetase activity in mammals. Vazquez E, et al. **Int J Biochem** 1987;19(2):217–9
Immunochemical study of uroporphyrinogen decarboxylase in a patient with mild hepatoerythropoietic porphyria. Fujita H, et al. **J Clin Invest** 1987 May;79(5):1533–7
Protoporphyrinogen oxidase in porphyria variegata. A report of the findings in 7 families. Siepker L, et al. **S Afr Med J** 1986 Dec 20;70(13):819–22

ETIOLOGY

[Granulomatous hepatitis caused by Mycobacterium avium in AIDS detected by porphyria cutanea tarda (letter)] Larnier C, et al. **Gastroenterol Clin Biol** 1987 Mar; 11(3):264–5 (Fre)
[Molecular mechanisms of the development of photodermatoses associated with disorders of porphyrin metabolism] Akimov VG. **Vestn Dermatol Venerol** 1987; (5):16–9 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Induction of anaesthesia with ketamine during an acute crisis of hereditary coproporphyria. Capouet V, et al. **Can J Anaesth** 1987 Jul;34(4):388–90
delta–Aminolevulinic acid dehydrase (porphobilinogen synthase) in two families with inherited enzyme deficiency. Doss M, et al. **Clin Genet** 1986 Sep;30(3):191–8
Porphyria cutanea tarda and HLA–linked hemochromatosis—all in the family? [editorial] Adams PC, et al. **Gastroenterology** 1987 Jun;92(6):2033–5
Porphyria cutanea tarda and HLA–linked hemochromatosis. Evidence against a systematic association. Beaumont C, et al. **Gastroenterology** 1987 Jun;92(6):1833–8
In inherited porphyrias, lead intoxication is a toxogenetic disorder. Batlle AM, et al. **Int J Biochem** 1987;19(8):717–20
Aminolaevulinate dehydratase porphyria in infancy. A clinical and biochemical study. Thunell S, et al. **J Clin Chem Clin Biochem** 1987 Jan;25(1):5–14
Hepatoerythropoietic porphyria: clinical, biochemical, and enzymatic studies in a three–generation family lineage. Toback AC, et al. **N Engl J Med** 1987 Mar 12; 316(11):645–50
Acute intermittent porphyria in The Netherlands. Heterogeneity of the enzyme porphobilinogen deaminase. Wilson JH, et al. **Neth J Med** 1986;29(11):393–9
Uroporphyrinogen decarboxylase structural mutant (Gly281——Glu) in a case of porphyria. de Verneuil H, et al. **Science** 1986 Nov 7;234(4777):732–4
[Porphyria cutanea tarda in a 4–year–old child with uroporphyrinogen decarboxylase deficiency] Cotton JB, et al. **Pediatrie** 1986 Dec;41(8):617–27 (Eng. Abstr.) (Fre)
[Acute intermittent porphyria: a family, sural nerve biopsies, and biochemical studies—a case report] Goto J, et al. **Rinsho Shinkeigaku** 1987 May;27(5):579–88 (Eng. Abstr.) (Jpn)

HISTORY

Porphyria, curse of British royalty. Vadakan VV. **Hosp Pract [Off]** 1987 Sep 15;22(9):107–8, 110–4

METABOLISM

delta–Aminolaevulinic acid in plasma, cerebrospinal fluid, saliva and erythrocytes: studies in normal, uraemic and porphyric subjects. Gorchein A, et al. **Clin Sci** 1987 Jan; 72(1):103–12
Diet and alcohol effects on the manifestation of hepatic porphyrias. Cripps DJ. **Fed Proc** 1987 Apr;46(5):1894–900
Accumulation of uroporphyrin does not provoke further inhibition of liver uroporphyrinogen decarboxylase activity in hexachlorobenzene–induced porphyria. Adjarov DG, et al. **IARC Sci Publ** 1986;(77):467–9
Introduction to the porphyrias. Elder GH. **IARC Sci Publ** 1986;(77):545–7
Hexachlorobenzene alteration of benzo[a]pyrene metabolism in porphyric and non–porphyric rats. Merk H, et al. **IARC Sci Publ** 1986;(77):461–3
Porphyrins and pentachlorophenol in rat–liver mitochondria in hexachlorobenzene–induced porphyria. Trenti T, et al. **IARC Sci Publ** 1986;(77):457–9
[Fecal porphyrin analyses in patients with porphyria cutanea tarda] Nonaka S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):151–6 (Jpn)
[Diagnosis of disturbances of porphyrin metabolism—an examination of laboratory resources in the country] Thunell S. **Lakartidningen** 1986 Sep 24;83(39):3242–5, 3248–51 (Eng. Abstr.) (Swe)

PATHOLOGY

Vesicles on the dorsa of the fingers. Porphyria cutanea tarda (PCT). Lefer LG, et al. **Arch Dermatol** 1987 Jan;123(1):107, 110
Induction of chronic skin changes in intraperitoneally hematoporphyrin–injected mice with metal halide lamp irradiation. Honda T, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):426–32
Terminal erythrohepatic protoporphyria. Zawirska B, et al. **Patol Pol** 1986 Jan–Mar;37(1):74–81
Demonstration of needle–shaped hepatic inclusions in porphyria cutanea tarda using the ferric ferricyanide reduction test. Fakan F, et al. **Virchows Arch [A]** 1987; 411(4):365–8
[Sclerodermiform porphyria] Simon N, et al. **Z Hautkr** 1986 Nov 15;61(22):1607–21 (Eng. Abstr.) (Ger)
[Mechanism of bullous formation in porphyria cutanea tarda. 1. Histopathological observation of bullae in 3 cases of porphyria cutanea tarda] Nagato N, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):471–7 (Jpn)
[Erythropoietic protoporphyria] Karalitskiĭ EM, et al. **Vestn Dermatol Venerol** 1986;(7):55–8 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Abdominal pain and seizures in a young man [clinical conference] Werman HA, et al. **Ann Emerg Med** 1987 Apr; 16(4):425–33

PREVENTION & CONTROL

The effects of haem arginate and haematin upon the allylisopropylacetamide induced experimental porphyria in rats. Tokola O, et al. **Pharmacol Toxicol** 1987 Jul;61(1):75–8

PSYCHOLOGY

Erythropoietic protoporphyria: a study of its psychosocial aspects. Rufener EA. **Br J Dermatol** 1987 May;116(5):703–8

THERAPY

Five cases of porphyria cutanea tarda with mild cutaneous changes: evaluation of the efficacy of phlebotomy by the pattern analysis of urinary porphyrins. Nonaka S, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):196–202
Treatment of hemodialysis–related porphyria cutanea tarda with small repeated phlebotomies. Riccioni N, et al. **Nephron** 1987;46(2):125–7

URINE

[Diagnosis of acute porphyria] Mustajoki P, et al. **Duodecim** 1986;102(17):1218–21 (Fin)

VETERINARY

The enzyme defect in bovine protoporphyria. Studies with purified ferrochelatase. Bloomer JR, et al. **J Biol Chem** 1987 Jan 15;262(2):667–71

PORPHYRINOGENS

[Drug risk of hepatic porphyria. Development of an animal experiment model] Deybach JC, et al. **Presse Med** 1987 Jan 24;16(2):68–71 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Separation and characterization of pentacarboxylic porphyrinogen isomers by high–performance liquid chromatography with electrochemical detection. Li F, et al. **Biochem J** 1987 Apr 15;243(2):621–3

METABOLISM

Evidence for cytochrome P450–mediated oxidation of uroporphyrinogen by cell–free liver extracts from chick embryos treated with 3–methylcholanthrene. Sinclair P, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1324–9
Liver porphyrinogen carboxylase in hexachlorobenzene porphyric rats. Studies with intermediate porphyrinogens of series III and with uroporphyrinogen I. Ríos de Molina MC, et al. **Int J Biochem** 1987;19(4):365–72

PORPHYRINS

see related
PORPHOBILINOGEN

Kinetic method for the determination of nanogram amounts of lead(II) using its catalytic effect on the reaction of manganese(II) with 5,10,15,20–tetrakis(4–sulphonatophenyl)porphine. Tabata M. **Analyst** 1987 Feb;112(2):141–4
Quenching of the zinc–protoporphyrin triplet state as a measure of small–molecule diffusion through the structure of myoglobin. Barboy N, et al. **Biochemistry** 1987 Jun 2; 26(11):3240–4
Evidence that heme d1 is a 1,3–porphyrindione. Chang CK, et al. **Biochemistry** 1986 Dec 30;25(26):8447–53
Orientation and linear dichroism characteristics of porphyrin–DNA complexes. Geacintov NE, et al. **Biochemistry** 1987 Jun 2;26(11):3087–92
Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron–porphyrins. Le Doan T, et al. **Biochemistry** 1986 Nov 4;25(22):6736–9
Electron paramagnetic resonance and spectrophotometric studies of the peroxide compounds of manganese–substituted horseradish peroxidase, cytochrome–c peroxidase and manganese–porphyrin model complexes. Hori H, et al. **Biochim Biophys Acta** 1987 Mar 18;912(1):74–81
Comparison of the effects of cationic porphyrins on DNA properties: influence of GC content of native and synthetic polymers. Banville DL, et al. **Biopolymers** 1986 Oct; 25(10):1837–58
Toxic and phototoxic effects of tetraphenylporphinesulphonate and haematoporphyrin derivative in vitro. Evensen JF, et al. **Int J Radiat Biol** 1987 Mar;51(3):477–91
Durene–capped porphyrin complexes of iron(II). Binding of imidazoles, and spectroscopic trends within Fe(porp)B(L) species (B = imidazole base; L = RNC, CO, O2). David S, et al. **J Inorg Biochem** 1986 Oct–Nov;28(2–3):125–35
Spin, oxidation, and ligand states of p–nitrothiophenolatoiron(III) complex of protoporphyrin–IX–dimethylester in the presence of 1–MeIm: magnetic circular dichroism and 1H nuclear magnetic resonance spectroscopic studies. Ookubo S, et al. **J Inorg Biochem** 1987 Jan;29(1):1–23
Rates of pi–electron oxidation and reduction of free base and Zn(II) porphyrins, chlorins, and isobacteriochlorins. Strauss SH, et al. **J Inorg Biochem** 1986 Jul;27(3):173–7
The anomalous relaxivity of Mn3+ (TPPS4). Koenig SH, et al. **Magn Reson Med** 1987 Mar;4(3):252–60
Cationic porphyrins as probes of DNA structure. Bromley SD, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9133–48
DNA sequence preferences for an intercalating porphyrin compound revealed by footprinting. Ford K, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2221–34
The photophysical properties of porphycenes: potential photodynamic therapy agents. Aramendia PF, et al. **Photochem Photobiol** 1986 Nov;44(5):555–9
The effects of porphyrin structure and aggregation state on photosensitized processes in aqueous and micellar media. Lambert CR, et al. **Photochem Photobiol** 1986 Nov; 44(5):595–601
Photocleavage of DNA in the presence of synthetic water–soluble porphyrins. Praseuth D, et al. **Photochem Photobiol** 1986 Dec;44(6):717–24
Thermal–lensing and phosphorescence studies of the quantum yield and lifetime of singlet molecular oxygen (1 delta g) sensitized by hematoporphyrin and related porphyrins in deuterated and non–deuterated ethanols. Redmond RW, et al. **Photochem Photobiol** 1987 Feb; 45(2):209–13
Distribution of porphyrins in the various compartments of unilamellar liposomes of dipalmitoyl–phosphatidylcholine as probed by fluorescence spectroscopy. Ricchelli F, et al. **Photochem Photobiol** 1986 Aug;44(2):151–7
Energy barriers in binding of carbon monoxide and oxygen to heme model compounds. Tetreau C, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2267–71
[Photoradiation therapy (PRT). 3. Research and developmental trends in photosensitization substances] Ido K, et al. **Nippon Rinsho** 1987 Apr;45(4):776–80 (22 ref.) (Jpn)

ANALYSIS

Tissue porphyrin pattern determination by high–speed high–performance liquid chromatography. Kennedy SW, et al. **Anal Biochem** 1986 Aug 15;157(1):1–7
Laser–desorption Fourier transform mass spectrometry of synthetic porphyrins. Brown RS, et al. **Anal Chem** 1986 Dec;58(14):3196–9
Rank annihilation with incomplete information. Burns DH, et al. **Anal Chem** 1986 Nov;58(13):2805–11
Analysis of free porphyrins in biological samples by high performance liquid chromatography. Richard MJ, et al. **Ann Biol Clin (Paris)** 1986;44(6):639–44

Porphyrins and pentachlorophenol in rat-liver mitochondria in hexachlorobenzene-induced porphyria. Trenti T, et al. **IARC Sci Publ** 1986;(77):457-9

Determination of porphyrins in tissue: pre-adsorption followed by high-performance liquid chromatography. Sanitrák J, et al. **J Chromatogr** 1987 Mar 20;415(1):129-35

Porphyrin content of the cysticercus of Taenia solium. Larralde C, et al. **J Parasitol** 1986 Aug;72(4):569-77

Analysis of porphyrins and enzymes in porphyrin synthesis in Taenia solium cysticercus from man and pig. Larralde C, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2-3):203-13

Non-invasive technique for obtaining fluorescence excitation and emission spectra in vivo. Pottier RH, et al. **Photochem Photobiol** 1986 Nov;44(5):679-87

[Comparative studies on the physico-chemical properties of four porphyrin photosensitizers] Liu YL, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):823-8 (Eng. Abstr.) **(Chi)**

[Fecal porphyrin analyses in patients with porphyria cutanea tarda] Nonaka S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):151-6 **(Jpn)**

[Intracellular localization of the exogenous photosensitizer chlorine e6] Frolov AA, et al. **Dokl Akad Nauk SSSR** 1986; 291(3):715-9 **(Rus)**

[Porphyrins in triamterene calculi] Traba ML, et al. **Arch Esp Urol** 1987 Mar;40(2):105-6 (Eng. Abstr.) **(Spa)**

[The clinical problem of abnormalities of porphyrin metabolism] Bello-González A, et al. **Bol Med Hosp Infant Mex** 1986 Nov;43(11):693-7 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

The 1986 Upjohn award lecture. Interaction of chemicals with hemoproteins: implications for the mechanism of action of porphyrinogenic drugs and nitroglycerin. Marks GS. **Can J Physiol Pharmacol** 1987 Jun;65(6):1111-9 (53 ref.)

Drug-induced uroporphyria in chicken hepatocyte cultures. Ferioli A, et al. **IARC Sci Publ** 1986;(77):465-6

Biosynthesis of porphyrins in Rhodopseudomonas palustris--VI. The effect of metals, thiols and other reagents on the activity of uroporphyrinogen decarboxylase. Koopmann GE, et al. **Int J Biochem** 1987; 19(4):373-7

Porphyrin biosynthesis in Rhodopseudomonas palustris--XII. delta-Aminolevulinate synthetase switch-off/on regulation. Viale AA, et al. **Int J Biochem** 1987;19(4):379-83

Effects of polychlorinated biphenyls on porphyrin synthesis and cytochrome P-450-dependent monooxygenases in small intestine and liver of Japanese quail. Miranda CL, et al. **J Toxicol Environ Health** 1987;20(1-2):27-35

In vitro distribution of porphyrin metabolites from 10(-3) M delta-aminolevulinic acid in primary neural tissue cultures. Durkó I, et al. **Neurochem Res** 1987 May; 12(5):465-8

[Zinc-containing protoporphyrin and hemoglobin] Angelova-Gateva P. **Vutr Boles** 1987;26(2):7-12 (29 ref.) **(Bul)**

[Porphobilinogen synthase activity and porphyrin biosynthesis in the erythrocytes after incubation with delta-aminolevulinic acid in pernicious anemia patients] Arsov Ts, et al. **Vutr Boles** 1987;26(2):91-5 (Eng. Abstr.) **(Bul)**

BLOOD

Red blood cell zinc protoporphyrin to evaluate anemia risk in deferred blood donors. Schifman RB, et al. **Am J Clin Pathol** 1987 Apr;87(4):511-4

Red blood cell zinc protoporphyrin testing for iron-deficiency anemia in pregnancy. Schifman RB, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):304-7

Erythrocyte protoporphyrin in screening for iron deficiency anaemia among children in Nigeria. Odeyemi TO, et al. **Ann Nutr Metab** 1986;30(6):374-9

Hematological evaluation of lead intoxication in mallards. Mautino M, et al. **Bull Environ Contam Toxicol** 1987 Jan; 38(1):78-85

Simultaneous quantification of erythrocyte zinc protoporphyrin and protoporphyrin IX by liquid chromatography. Bailey GG, et al. **Clin Chem** 1986 Dec; 32(12):2137-42

Screening methods for lead compared: ethanol paper-disc extraction method vs ethyl acetate extraction method. DeBaun MR, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):309-10

Association of erythrocyte protoporphyrin with blood lead level and iron status in the second National Health and Nutrition Examination Survey, 1976-1980. Mahaffey KR, et al. **Environ Res** 1986 Oct;41(1):327-38

Elevation of erythrocyte zinc- and free protoporphyrins with metastatic spread in cancer patients. Gorodetsky R, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1515-21

The synthesis of stereoselectively labelled porphobilinogen and its incorporation into protoporphyrin-IX. Jackson AH, et al. **Experientia** 1987 Aug 15;43(8):892-4

Comparison of protoporphyrin haem ratio in capillary & venous blood. Singh UR, et al. **Indian J Med Res** 1986 Nov;84:559-61

Erythrocyte protoporphyrin and blood lead levels of children from Jammu and Srinagar and papier mache trainees. Kaul PS, et al. **Indian J Pediatr** 1986 Sep-Oct;53(5):641-6

Analyses of delta-aminolevulinic acid dehydratase activity and protoporphyrin levels in erythrocytes among three different species. Murayama F, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):351-5

Serum ferritin and free erythrocyte protoporphyrin in rheumatoid arthritis. Hannonen P, et al. **Rheumatol Int** 1986;6(4):185-8

[Diagnosis of erythropoietic porphyrias and protoporphyrinemias] Köstler E, et al. **Dermatol Monatsschr** 1987;173(1):44-7 (Eng. Abstr.) **(Ger)**

[The erythrocyte zinc protoporphyrin test in the biological monitoring of working populations exposed to metallic lead] Apostoli P, et al. **Med Lav** 1986 Sep-Oct;77(5):529-37 (Eng. Abstr.) **(Ita)**

[Plasma indicators of iron metabolism in persons occupationally exposed to organic solvents with normal and increased levels of protoporphyrin IX in erythrocytes] Stankiewicz A, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):851-4 (Eng. Abstr.) **(Pol)**

[Liver cirrhosis in congenital erythropoietic protoporphyria] Szechciński J, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):899-901 (Eng. Abstr.) **(Pol)**

[The search for photosensitive agents specifically binding to human serum albumin] Vorobei AV, et al. **Biofizika** 1986 Sep-Oct;31(5):757-9 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the development of photodermatoses associated with disorders of porphyrin metabolism] Akimov VG. **Vestn Dermatol Venerol** 1987; (5):16-9 (Eng. Abstr.) **(Rus)**

[Erythropoietic protoporphyria. Description of the first case identified in Mexico] Sánchez-Anzaldo FJ, et al. **Sangre (Barc)** 1987;32(2):236-42 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Photoradiation diagnosis and therapy. Dermatologic and photobiologic aspects. Bickers DR. **Invest Radiol** 1986 Nov;21(11):885-90 (66 ref.)

[Fluorescence immunoassay. Porphyrins--a new type of labels for immunoassay] Savitskii AP, et al. **Dokl Akad Nauk SSSR** 1987;293(3):744-8 **(Rus)**

ISOLATION & PURIFICATION

Isolation of N-phenylprotoporphyrin IX from the red cells and spleen of the phenylhydrazine-treated rat. Hirota K, et al. **Arch Biochem Biophys** 1987 May 15;255(1):42-7

Extraction and isolation by high performance liquid chromatography of uroporphyrin and coproporphyrin isomers from biological tissues. Reddy VR, et al. **J Pharmacol Methods** 1987 Mar;17(1):51-7

METABOLISM

Isomeric composition of N-alkylated protoporphyrins produced by substituted dihydropyridines in vivo and in vitro. De Matteis F, et al. **Adv Exp Med Biol** 1986; 197:163-70

Accumulation of protoporphyrin-IX by the chlorophyll-less y-y mutant of Chlamydomonas reinhardtii. Nicholson-Guthrie CS, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):570-3

The effects of ethanol, estrogen, and hexachlorobenzene on the activities of hepatic delta-aminolevulinate synthetase, delta-aminolevulinate dehydratase, and uroporphyrinogen decarboxylase in male rats. Kondo M, et al. **Arch Toxicol** 1986 Oct;59(3):141-5

Mode of interaction and apparent binding constants of meso-tetraaryl porphyrins bearing between one and four positive charges with DNA. Sari MA, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):643-9

N-alkylation of exogenous haem analogues caused by drugs in isolated hepatocytes. Structural isomerism and chirality of the resulting porphyrins. De Matteis F, et al. **Biochem J** 1986 Aug 15;238(1):263-8

Chloro-substituent sites and probability of co-planarity in polychlorinated biphenyls in determining uroporphyrin formation in cultured liver cells [letter] Sassa S, et al. **Biochem J** 1986 Dec 1;240(2):622-3

Uroporphyrin accumulation produced by halogenated biphenyls in chick-embryo hepatocytes. Reversal of the accumulation by piperonyl butoxide. Sinclair PR, et al. **Biochem J** 1986 Jul 1;237(1):63-71

Influence of chronic alcohol consumption on hepatic heme and porphyrin metabolism. Teschke R, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1133-8

Studies on the mechanism of selective retention of porphyrins and metalloporphyrins by cancer cells. Megnin F, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):173-81

Fundamental aspects in tumor photochemotherapy: interactions of porphyrins with membrane model systems and cells. Brault D, et al. **Biochimie** 1986 Jun;68(6):913-21 (59 ref.)

The pharmacological basis for the treatment of photodermatoses. Peyron JL, et al. **Biochimie** 1986 Jun; 68(6):899-904 (26 ref.)

Porphyrin-lipoprotein association as a factor in porphyrin localization. Kessel D. **Cancer Lett** 1986 Nov;33(2):183-8

The effects of alcohol on porphyrin biosynthesis and metabolism. Moore MR, et al. **Contemp Issues Clin Biochem** 1984;1:161-87 (80 ref.)

Porphyrin metabolism and haem biosynthesis in Gilbert's syndrome. McColl KE, et al. **Gut** 1987 Feb;28(2):125-30

Accumulation of uroporphyrin does not provoke further inhibition of liver uroporphyrinogen decarboxylase activity in hexachlorobenzene-induced porphyria. Adjarov DG, et al. **IARC Sci Publ** 1986;(77):467-9

Ability of several hexachlorobenzene metabolites to decrease rat-liver porphyrinogen carboxy-lyase and to produce porphyrin accumulation in chick-embryo liver. Billi SC, et al. **IARC Sci Publ** 1986;(77):471-6

Proton NMR study of the cyanide metmyoglobin reconstituted with meso-tetraalkylhemins. Dynamic free rotation of the synthetic hemins in the heme pocket. Neya S, et al. **J Biol Chem** 1987 May 15;262(14):6725-8

Chloroplast biogenesis. Demonstration of the monovinyl and divinyl monocarboxylic routes of chlorophyll biosynthesis in higher plants. Tripathy BC, et al. **J Biol Chem** 1986 Oct 15;261(29):13556-64

Effects of lighting conditions and of hormone replacement on the level of porphyrins in the rat Harderian gland. Shirama K, et al. **J Endocrinol Invest** 1987 Feb;10(1):79-82

Chenodeoxycholic acid therapy in erythrohepatic protoporphyria. Van Hattum J, et al. **J Hepatol** 1986; 3(3):407-12

Properties of chemically modified Ni(II)-Fe(II) hybrid hemoglobins. Ni(II) protoporphyrin IX as a model for a permanent deoxy-heme. Shibayama N, et al. **J Mol Biol** 1986 Nov 20;192(2):331-6

Molecular modelling of the interactions of tetra-(4-N-methylpyridyl) porphin with TA and CG sites on DNA. Ford KG, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6553-62

Terminal erythrohepatic protoporphyria. Zawirska B, et al. **Patol Pol** 1986 Jan-Mar;37(1):74-81

Characterization of intra-tumoral porphyrin following injection of hematoporphyrin derivative or its purified component. Dougherty TJ, et al. **Photochem Photobiol** 1987 Jul;46(1):67-70

Porphyrin studies in chronic renal failure patients on maintenance hemodialysis. Anderson CD, et al. **Photodermatol** 1987 Feb;4(1):14-22

Porphyrins are endogenous ligands for the mitochondrial (peripheral-type) benzodiazepine receptor. Verma A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2256-60

Uptake of protoporphyrin and violet light photodestruction of Propionibacterium acnes. Melø TB. **Z Naturforsch [C]** 1987 Jan-Feb;42(1-2):123-8

Photodestruction of endogenous porphyrins in relation to cellular inactivation of Propionibacterium acnes. Melø TB, et al. **Z Naturforsch [C]** 1986 Sep-Oct;41(9-10):867-72

[Long-term study of the kinetics of meso-tetra-para-sulfofenyl porphyrins] Faziková E, et al. **Sb Lek** 1987 Apr;89(4):97-101 (Eng. Abstr.) **(Cze)**

[Increase in the values of blood lead and erythrocyte zinc protoporphyrin in the first years of occupational exposure] Apostoli P, et al. **Med Lav** 1986 Nov-Dec;77(6):622-7 (Eng. Abstr.) **(Ita)**

[Various aspects of porphyrin metabolism in malignant blood diseases] Atanasov KK, et al. **Gematol Transfuziol** 1986 Aug;31(8):16-8 (Eng. Abstr.) **(Rus)**

[Erythropoietic protoporphyria] Karalitskiĭ EM, et al. **Vestn Dermatol Venerol** 1986;(7):55-8 (Eng. Abstr.) **(Rus)**

[Evaluation of porphyrinogenic effect of lindane in rats] Vila MC, et al. **Acta Physiol Pharmacol Latinoam** 1986; 36(1):69-76 (Eng. Abstr.) **(Spa)**

[Diagnosis of disturbances of porphyrin metabolism--an examination of laboratory resources in the country] Thunell S. **Lakartidningen** 1986 Sep 24;83(39):3242-5, 3248-51 (Eng. Abstr.) **(Swe)**

PHARMACODYNAMICS

Reduction of the C2 and C4 vinyl groups of Sn-protoporphyrin to form Sn-mesoporphyrin markedly enhances the ability of the metalloporphyrin to inhibit in vivo heme catabolism. Drummond GS, et al. **Arch Biochem Biophys** 1987 May 15;255(1):64-74

Cobalt-protoporphyrin causes prolonged inhibition of catechol estrogen synthesis by rat liver microsomes. Galbraith RA, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):376-83

Photosensitization of mammalian cells by psoralens and porphyrins. Moreno G. **Biochimie** 1986 Jun;68(6):869-73 (63 ref.)

Tin protoporphyrin inhibits carbon monoxide production in suckling mice. Stevenson DK, et al. **Biol Neonate** 1987; 51(1):40-4

Proof that Sn-protoporphyrin inhibits the enzymatic catabolism of heme in vivo. Suppression of 14CO generation from radiolabeled endogenous and exogenous heme sources. Landaw SA, et al. **J Exp Med** 1987 Apr 1;165(4):1195-200

Differential effects of protoporphyrin and uroporphyrin on murine mast cells. Lim HW, et al. **J Invest Dermatol** 1987 Mar;88(3):281-6

The effect of tin (IV)-protoporphyrin-IX on bilirubin production and excretion in the rat. Whitington PF, et al. **Pediatr Res** 1987 May;21(5):487-91

Relationship of suppression of the androgenic axis by cobalt-protoporphyrin to its effects on weight loss and hepatic heme oxygenase induction. Galbraith RA, et al. **Pharmacology** 1987;34(5):241-9

Cobalt-protoporphyrin suppresses thyroid and testicular hormone concentrations in rat serum: a novel action of

this synthetic heme analogue. Smith TJ, et al. **Pharmacology** 1987;34(1):9–16

A microspectrofluorometric study of porphyrin–photosensitized single living cells—II. Metabolic alterations. Kohen E, et al. **Photochem Photobiol** 1986 Oct;44(4):471–5

Photosensitization by porphyrins delivered to L cell fibroblasts by human serum low density lipoproteins. A microspectrofluorometric study. Morliere P, et al. **Photochem Photobiol** 1987 Aug;46(2):183–91

A microspectrofluorometric study of porphyrin–photosensitized single living cells—I. Membrane alterations. Reyftmann JP, et al. **Photochem Photobiol** 1986 Oct;44(4):461–9

Dual control mechanism for heme oxygenase: tin(IV)–protoporphyrin potently inhibits enzyme activity while markedly increasing content of enzyme protein in liver. Sardana MK, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2464–8

[Effect of anesthetics on porphyrin–sensitized photodamage of cells] Bolodon VN, et al. **Biofizika** 1986 Nov–Dec; 31(6):990–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regulation of intestinal mucosa guanylate cyclase by hemin, heme and protoporphyrin IX. elDeib MM, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):83–91

RADIATION EFFECTS

[Effect of oxygen on the irreversible radiochemical transformations of protoporphyrin in 2n. H2SO4] Makarenkova II. **Radiobiologiia** 1986 Sep–Oct; 26(5):598–603 (Eng. Abstr.) **(Rus)**

[Clinical picture, diagnosis and treatment of erythropoietic protoporphyria] Akimov VG. **Vrach Delo** 1987 Jul;(7):86–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

meso–Tetra(hydroxyphenyl)porphyrins, a new class of potent tumour photosensitisers with favourable selectivity. Berenbaum MC, et al. **Br J Cancer** 1986 Nov;54(5):717–25

In vivo studies on the utilization of mono–L–aspartyl chlorin (NPe6) for photodynamic therapy. Nelson JS, et al. **Cancer Res** 1987 Sep 1;47(17):4681–5

Photosensitization of experimental atheromas by porphyrins. Pollock ME, et al. **J Am Coll Cardiol** 1987 Mar;9(3):639–46

A dose response analysis of purpurin derivatives used as photosensitizers for the photodynamic treatment of transplantable FANFT induced urothelial tumors. Selman SH, et al. **J Urol** 1987 Jun;137(6):1255–7

Preliminary clinical studies with PDT by topical TPPS administration in neoplastic skin lesions. Sacchini V, et al. **Lasers Surg Med** 1987;7(1):6–11

Photobleaching of porphyrins used in photodynamic therapy and implications for therapy. Mang TS, et al. **Photochem Photobiol** 1987 Apr;45(4):501–6

Antibody–targeted photolysis: selective photodestruction of human T–cell leukemia cells using monoclonal antibody–chlorin e6 conjugates. Oseroff AR, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8744–8

Topical administration of tetrasodium–meso–tetraphenylporphinesulfonate (TPPS) and red light irradiation for the treatment of superficial neoplastic lesions. Sacchini V, et al. **Tumori** 1987 Feb 28; 73(1):19–23

TOXICITY

Tumor localization and photosensitization by sulfonated derivatives of tetraphenylporphine. Kessel D, et al. **Photochem Photobiol** 1987 Jun;45(6):787–90

Necrosis of murine tail skin following photodynamic treatment with meso–tetra–(p–sulphophenyl) porphine (TPPS). Moore JV. **Photochem Photobiol** 1987 Jun; 45(6):791–4

Topical administration of tetrasodium–meso–tetraphenyl–porphinesulfonate (TPPS): correlation between drug penetration and depth of necrosis in skin of nude mice following red light irradiation. Marchesini R, et al. **Tumori** 1987 Feb 28;73(1):11–7

URINE

Five cases of porphyria cutanea tarda with mild cutaneous changes: evaluation of the efficacy of phlebotomy by the pattern analysis of urinary porphyrins. Nonaka S, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):196–202

Pilot survey of urinary porphyrins from persons transiently exposed to a PCB transformer fire. Osterloh J, et al. **J Toxicol Clin Toxicol** 1986–87;24(6):533–44

Urinary excretion of 5–hydroxyindoleacetic acid, delta–aminolevulinic acid and coproporphyrin isomers in rats and men exposed to lead. Ichiba M, et al. **Toxicol Lett** 1987 Sep;38(1–2):91–6

[Diagnosis of acute porphyria] Mustajoki P, et al. **Duodecim** 1986;102(17):1218–21 **(Fin)**

[Hereditary coproporphyria with grand mal epilepsy, glucose–6–phosphate dehydrogenase deficiency and phenobarbital tolerance] Grosser S, et al. **Internist (Berlin)** 1986 Oct;27(10):672–6 **(Ger)**

[Renal excretion of total porphyrins and hippuric acid in rats] Gartzke J, et al. **J Clin Chem Clin Biochem** 1986 Sep; 24(9):637–9 (Eng. Abstr.) **(Ger)**

[Relationship between coproporphyrin I and III excreted in the urine of lead workers] Tomokuni K, et al. **Sangyo Igaku** 1986 May;28(3):206–7 **(Jpn)**

[Concentration of lead and several components of porphyrin metabolism in the blood and urine of persons with no industrial contact with lead] Semenova LS, et al. **Lab Delo** 1987;(2):11–4 (Eng. Abstr.) **(Rus)**

PORPOISES see **DOLPHINS**

PORTACAVAL SHUNT, SURGICAL

Vascular connective tissue changes in experimental portacaval anastomosis. Takiya C, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1843–54

Tissue pO2 in isometrically contracting skeletal muscle of rats with portacaval anastomosis (PCA). Boekstegers P, et al. **Adv Exp Med Biol** 1986;200:429–37

Hyperglucagonemia and hyperkinetic circulation after portocaval shunt in the rat. Kravetz D, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G257–61

A systematic appraisal of portacaval H–graft diameters. Clinical and hemodynamic perspectives. Sarfeh IJ, et al. **Ann Surg** 1986 Oct;204(4):356–63

Emergency portacaval shunt for variceal hemorrhage. A prospective study. Villeneuve JP, et al. **Ann Surg** 1987 Jul; 206(1):48–52

Effect of portacaval anastomosis on plasma lipoproteins of lean and obese Zucker rats. Mathé D, et al. **Atherosclerosis** 1987 Apr;64(2–3):155–62

Lipoprotein catabolism in rats with portacaval anastomosis on various diets. Windler EE, et al. **Atherosclerosis** 1987 Mar;64(1):63–70

A comparison of the effects of end–to–side portacaval shunting and side–to–side mesocaval shunting on hepatic haemodynamics in the dog. Jenkins SA, et al. **Clin Exp Pharmacol Physiol** 1986 Jun;13(6):447–52

Duplex ultrasound in the evaluation of portacaval shunts. Finn JP, et al. **Clin Radiol** 1987 Jan;38(1):87–9

Glucose tolerance after portacaval shunt in liver cirrhosis. Pezzarossa A, et al. **Diabete Metab** 1986 Aug;12(4):197–202

Intractable ascites in systemic mastocytosis treated by portal diversion. Bonnet P, et al. **Dig Dis Sci** 1987 Feb; 32(2):209–13

Effect of renal failure or portacaval shunt on release of neurotensin in man. Eaves ER, et al. **Dig Dis Sci** 1987 Jan; 32(1):28–32

Liver arterialization prevents thrombocytopenia after portacaval shunt in rats. Aseni P, et al. **Eur Surg Res** 1987; 19(3):159–63

Composition of free fatty acids and adipose tissue triglycerides in portacaval shunted rats. Merli M, et al. **Eur Surg Res** 1987;19(3):151–8

Progressive hepatic arterial flow increase after end–to–side portacaval shunt in normal and cirrhotic rats. Secchi M, et al. **Eur Surg Res** 1986;18(6):361–8

Successful treatment of hepatic venocclusive disease in a bone marrow transplant patient with side–to–side portacaval shunt. Murray JA, et al. **Gastroenterology** 1987 Apr; 92(4):1073–7

Increased sensitivity of gastric acid secretion to gastrin in cirrhotic patients with portacaval shunt. Lenz HJ, et al. **J Clin Invest** 1987 Apr;79(4):1120–4

Failure of glucose and branched–chain amino acids to normalize brain glucose use in portacaval shunted rats. Mans AM, et al. **J Neurochem** 1986 Nov;47(5):1434–43

Estimation of portal–systemic shunting by rectal infusion of radiotracer. Piga M, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):197–203

Enhanced hepatic adenylate cyclase activity in rats with portacaval shunt. de Fontaine S, et al. **J Surg Res** 1987 Feb;42(2):198–206

Computer analysis of portal hemodynamics after small–diameter portacaval H–grafts: the theoretical basis for partial shunting. Rypins EB, et al. **J Surg Res** 1987 Apr;42(4):354–61

Effects of portacaval shunt and hepatic artery ligation on liver surface oxygen tension and effective hepatic blood flow. Sankary HN, et al. **J Surg Res** 1987 Jan;42(1):7–9

Endoscopic sclerotherapy versus portacaval shunt in patient with severe cirrhosis and acute variceal hemorrhage. Long–term follow–up. Cello JP, et al. **N Engl J Med** 1987 Jan 1;316(1):11–5

Alteration of secretin–stimulated cardiac adenylate cyclase activity in rats with portacaval shunt. De Fontaine S, et al. **Peptides** 1986 Jul–Aug;7(4):645–9

Drinking by portacaval shunted rats to regulatory challenges. Martin JR. **Physiol Behav** 1987;40(2):143–6

Behavioral effects of experimental portacaval anastomosis measured in Dashiell and radial tunnel maze configurations. Martin JR, et al. **Physiol Behav** 1986;38(1):21–4

Simultaneous retrohepatic inferior vena cavoplasty and side–to–side portacaval shunt for recurrent thrombosed mesoatrial shunt in the Budd–Chiari syndrome. Ahn SS, et al. **Surgery** 1987 Feb;101(2):165–71

Ammonium urate urolithiasis in the rat with portocaval shunt—some aspects of mineral metabolism and urine composition. Linnemann U, et al. **Urol Res** 1986; 14(6):319–22

[Hepatocellular carcinoma in cirrhosis: prolonged survival (4 years 9 months) after tumor excision and portacaval shunting (letter)] Brassier D, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Oct;22(5):287–8 **(Fre)**

[Portacaval anastomosis in 2 cases of homozygote familial hypercholesterolemia] Guibaud P, et al. **Pediatrie** 1986 Sep; 41(6):453–9 (Eng. Abstr.) **(Fre)**

[Variant technic of hepatic arterialization after porto–caval anastomosis in the rat. Preliminary results] Beati CA, et al. **Minerva Chir** 1987 Jun 15;42(11):1005–8 (Eng. Abstr.) **(Ita)**

[Use of magnetic resonance in patients with portal hypertension before and after diversion intervention. Initial experience in 15 cases] Pozzato C, et al. **Radiol Med (Torino)** 1987 Mar;73(3):185–7 (Eng. Abstr.) **(Ita)**

[Sequential surgery in familial hyperlipemia. Comments on 2 pediatric cases] Valoria Villamartin JM, et al. **An Esp Pediatr** 1987 Jan;26(1):53–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Bladder carcinogenesis in portacaval shunt rats. Engelmann U, et al. **Urol Int** 1987;42(3):165–9

INSTRUMENTATION

Expandable intrahepatic portacaval shunt stents in dogs with chronic portal hypertension. Palmaz JC, et al. **AJR** 1986 Dec;147(6):1251–4

Experimental intrahepatic portacaval anastomosis: use of expandable Gianturco stents. Rösch J, et al. **Radiology** 1987 Feb;162(2):481–5

METHODS

[Tubular grafts of the inferior vena cava for portacaval shunts. Principle, technic and preliminary clinical results] Balique JG, et al. **J Chir (Paris)** 1986 Aug–Sep; 123(8–9):472–9 (Eng. Abstr.) **(Fre)**

[Prosthesis in portal hypertension] Morino F, et al. **Minerva Chir** 1987 Mar 15;42(5):359–63 (Eng. Abstr.) **(Ita)**

[Results of portal shunts in the treatment of intractable ascites in cirrhosis] Franco D, et al. **Minerva Med** 1987 May 31; 78(10):689–91 **(Ita)**

[Remote course of patients with radicular portacaval shunts performed for intrahepatic and prehepatic obstruction] Bancu EV, et al. **Rev Chir [Chir]** 1986 Nov–Dec; 35(6):441–8 (Eng. Abstr.) **(Rum)**

MORTALITY

Do surgeons led by surgeons operate better than internist–led surgeons? [letter] Conn HO. **Gastroenterology** 1987 Mar; 92(3):841–2

PORTAL SYSTEM

see related

LIVER CIRCULATION

Metabolic effects of long–term arterialization of portal blood. Kokot F, et al. **Acta Physiol Pol** 1986 Mar–Apr;37(2):69–78

Portal branch ligation in the rat. Reevaluation of a model. Rozga J, et al. **Am J Pathol** 1986 Nov;125(2):300–8

Neurotensin levels in the hepatic–portal circulation are inversely related to the circadian feeding cycle in rats. George JK, et al. **Endocrinology** 1987 Jul;121(1):7–13

Interrelationship between splenic and superior mesenteric venous circulation manifested by transient splenic arterial occlusion using a balloon catheter. Nishida O, et al. **Hepatology** 1987 May–Jun;7(3):442–6

Validity of ultrasonic duplex system for measurement of the portal blood flow in patients with liver disease. Iwanaga T, et al. **Jpn J Surg** 1987 Jan;17(1):58–9

The corticotropin–releasing factor release in rat hypophysial portal blood is mediated by brain catecholamines. Guillaume V, et al. **Neuroendocrinology** 1987 Aug; 46(2):143–6

Opioid inhibition of immunoreactive corticotropin–releasing factor secretion into the hypophysial–portal circulation of rats. Plotsky PM. **Regul Pept** 1986 Dec 30;16(3–4):235–42

[Etiology, pathogenesis and treatment of extrahepatic block of the portal circulation in children] Leontiev AF, et al. **Khirurgiia (Sofiia)** 1987;40(3):6–8 **(Bul)**

[A case of relapsed gastric cancer treated successfully by chemotherapy—lung metastasis and relapsed cancer in the hepatic portal system] Nagamatsu Y, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3527–31 (Eng. Abstr.) **(Jpn)**

[Clinical research on the demonstration of the portal venous system and its collaterals using dynamic images of liver scintigraphy] Ikoma N. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1302–13 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

An unusual portosystemic shunt in a dog. Sadanaga K, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):549–51

Case of intrahepatic calculi with bile duct stenosis caused by portal branch compression. Kubo S, et al. **Osaka City Med J** 1986 Dec;32(2):109–14

[The congenital portosystemic shunt in dogs and cats. I] Grevel V, et al. **Tierarztl Prax** 1987;15(1):77–92 (0 ref.) (Eng. Abstr.) **(Ger)**

[Congenital portosystemic shunt in dogs and cats] Grevel V, et al. **Tierarztl Prax** 1987;15(2):185–94 (99 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

[Augmentation, by naloxone, of the frequency and amplitude of LH–RH pulses in hypothalamo–hypophyseal portal blood in the castrated ram] Caraty A, et al. **C R Acad Sci [III]** 1987;305(9):369–74 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Experimental studies on the role of the portal circulation in hepatic tumor vascularity. Ackerman NB. **Cancer** 1986 Oct 15;58(8):1653–7

Sonographic evaluation of liver, spleen, and splanchnic vessels following partial liver resection. Zoli M, et al. **J Ultrasound Med** 1986 Oct;5(10):563–7

Clinical application of an ultrasonic duplex system in the quantitative measurement of portal blood flow. Moriyasu F, et al. **JCU** 1986 Oct;14(8):579–88

CYTOLOGY

Functional heterogeneity of periportal and perivenous hepatocytes. Jungermann K. **Enzyme** 1986;35(3):161–80 (135 ref.)

DRUG EFFECTS

Regional differences of reactivity to stimulants in the dog portal tree. Fujii K, et al. **Br J Pharmacol** 1987 Feb; 90(2):355–63

Ethanol-induced increase in portal hepatic blood flow: interference by anesthetic agents. Carmichael FJ, et al. **Hepatology** 1987 Jan–Feb;7(1):89–94

Menadione causes selective toxicity to periportal regions of the liver lobule. Badr M, et al. **Toxicol Lett** 1987 Feb; 35(2–3):241–6

IMMUNOLOGY

The importance of collateral portal veins for resistance to schistosomiasis in mice. Medeiros MV, et al. **Braz J Med Biol Res** 1986;19(1):85–8

INJURIES

Presentation and perioperative management of arterioportal fistulas. Strodel WE, et al. **Arch Surg** 1987 May; 122(5):563–71 (38 ref.)

INNERVATION

Arginine sensors in the hepato-portal system and their reflex effects on pancreatic efferents in the rat. Tanaka K, et al. **Neurosci Lett** 1986 Dec 3;72(1):69–73

METABOLISM

Portal copper transport in rats by albumin. Gordon DT, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E327–33

Partitioning of polar fatty acids into lymph and portal vein after intestinal absorption in the rat. McDonald GB, et al. **Q J Exp Physiol** 1987 Apr;72(2):153–9

Urinary orotic acid excretion in hyperammonaemic sheep. I. Effect of portal and peripheral hyperammonaemia. Motyl T, et al. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):522–8

PARASITOLOGY

Schistoso. . mansoni: mechanism of attrition and routes of migration from lungs to hepatic portal system in the laboratory mouse. Georgi JR, et al. **J Parasitol** 1987 Aug; 73(4):706–11

PATHOLOGY

Clinical experience with intraoperative Doppler color flow imaging in hepatectomy. Sukigara M, et al. **JCU** 1987 Jan; 15(1):9–15

Pathological studies on the liver with extrahepatic portal obstruction. Kage M, et al. **Kurume Med J** 1986;33(2):55–9

The relationship between pathology and resistance to reinfection with Schistosoma mansoni in mice: a causal mechanism of resistance in chronic infections. McHugh SM, et al. **Parasitology** 1987 Feb;94 (Pt 1):81–91

Pathologically induced alterations in the dimensions of the hepatic portal vasculature of mice infected with Schistosoma mansoni. McHugh SM, et al. **Parasitology** 1987 Feb;94 (Pt 1):69–80

[Changes in the portal system in chronic liver diseases evaluated by ultrasonic tomography] Georgiev P, et al. **Vutr Boles** 1986;25(5):97–8 **(Bul)**

[Factors deciding survival rate after resection of pancreatic neoplasms. 4). Invasion of the neoplasms into the portal system] Manabe T, et al. **Nippon Rinsho** 1986 Aug; 44(8):1762–5 **(Jpn)**

[Ultrasonographic evaluation of portal hypertension] Garassini M. **GEN** 1985 Oct–Dec;39(4):303–11 **(Spa)**

PHYSIOLOGY

Ultrasonic duplex system to facilitate assessment of portal blood flow velocity. Iwanaga T, et al. **Ear Surg Res** 1987; 19(3):178–84

Oxygen consumption and metabolite flux of bovine portal-drained viscera and liver. Huntington GB, et al. **J Nutr** 1987 Jun;117(6):1167–73 (56 ref.)

Computer analysis of portal hemodynamics after small-diameter portacaval H-grafts: the theoretical basis for partial shunting. Rypins EB, et al. **J Surg Res** 1987 Apr;42(4):354–61

Direct measurement of blood pressure within the long hypophysial portal blood v ..sels. Findell PR, et al. **Neuroendocrinology** 1987 Apr;45(4):263–6

[A study on the effect of propranolol on the portal venous pressure and systemic hemodynamics in patients with chronic liver disease] Sekiyama T. **Nippon Ika Daigaku Zasshi** 1987 Apr;54(2):173–83 (Eng. Abstr.) **(Jpn)**

[Radiological studies on the portosystemic shunts in portal-systemic encephalopathy] Ushiyama M, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):151–9 (Eng. Abstr.) **(Jpn)**

[Clinico-diagnostic potentials of a new method of interpreting separate research on arterial and portal blood flow of the liver] Dzhalmukashev UK. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):84–6 **(Rus)**

PHYSIOPATHOLOGY

Ultrasonic Doppler duplex study of hemodynamic changes from portosystemic shunt operation. Moriyasu F, et al. **Ann Surg** 1987 Feb;205(2):151–6

A systematic appraisal of portacaval H-graft diameters. Clinical and hemodynamic perspectives. Sarfeh IJ, et al. **Ann Surg** 1986 Oct;204(4):356–63

Portal hemodynamics in idiopathic portal hypertension (Banti's syndrome). Comparison with chronic persistent hepatitis and normal subjects. Ohnishi K, et al. **Gastroenterology** 1987 Mar;92(3):751–8

Noninvasive assessment of portosystemic shunting in extrahepatic portal hypertension in rats. Burge DM, et al. **J Pediatr Surg** 1987 Mar;22(3):211–4

Variables predicting elevated portal pressure in alcoholic liver disease. Results of a multivariate analysis. Krogsgaard K, et al. **Scand J Gastroenterol** 1987 Jan;22(1):82–6

[The plasma molar ratio of valine, leucine and isoleucine to phenylalanine and tyrosine as a marker of portal-systemic shunt in liver cirrhosis] Goto N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1344–9 (Eng. Abstr.) **(Jpn)**

[Measurement of portal blood flow and effective hepatic circulation in liver cirrhosis—influence of glucagon] Itakura M. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1330–7 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Portal circulation following the Warren operation—computerized tomography study of portal hemodynamics 5 to 11 years following distal splenorenal anastomosis] Marzoli GP, et al. **Langenbecks Arch Chir** 1987;370(3):185–96 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Scintigraphic documentation of systemic–portal shunting. López OL, et al. **J Cardiovasc Surg (Torino)** 1987 Jan–Feb; 28(1):50–3

Angioscintigraphic assessment of arterial and portal liver blood flow: comparison with splanchnic angiography. Zatta G, et al. **Nuklearmedizin** 1987 Apr;26(2):83–6

[Regional liver circulation and scintigraphic imaging of portal circulation with 133Xe] Kroiss A. **Acta Med Austriaca [Suppl]** 1984;31:1–28 (Eng. Abstr.) **(Ger)**

[Visualization of portal venous system by single photon emission CT] Kashiwagi T, et al. **Kaku Igaku** 1987 Mar; 24(3):273–7 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of per-rectal portal scintigraphy in patients with liver cirrhosis] Yoneyama K, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1228–33 **(Jpn)**

SURGERY

[Do Mallory bodies have a prognostic value in patients with alcoholic cirrhosis treated by portal disconnection of the esophagus with a clip for rupture of esophageal varices? (letter)] Feneyrou B, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):101–2 **(Fre)**

[Esophageal transection using a stapler in portal hypertension in children] Georgacopulo P, et al. **Minerva Pediatr** 1986 Nov 30;38(22):1053–6 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Ultrastructural studies of the portal transport of fat in chickens. Fraser R, et al. **Br J Exp Pathol** 1986 Dec; 67(6):783–91

PORTAL VEIN

Intrahepatic portosystemic venous shunt: occurrence in patients with and without liver cirrhosis. Mori H, et al. **AJR** 1987 Oct;149(4):711–4

Acute gastric dilatation: a rare cause of portal venous gas. Radin DR, et al. **AJR** 1987 Feb;148(2):279–80

Leiomyosarcoma of the portal vein. Wilson SR, et al. **AJR** 1987 Jul;149(1):183–4

Cannulation of the portal vein for cytotoxic liver perfusion in colorectal carcinomas: an alternative approach. Hunt TM, et al. **Ann R Coll Surg Engl** 1987 Jan;69(1):36–8

Injection sclerotherapy in adult patients with extrahepatic portal venous obstruction. Kahn D, et al. **Br J Surg** 1987 Jul;74(7):600–2

Comparison of carcinoembryonic antigen levels between portal and peripheral blood in patients with colorectal cancer. Correlation with histopathologic variables. Tabuchi Y, et al. **Cancer** 1987 Apr 1;59(7):1283–8

Steel coil embolization of hepatoportal fistulae. Applbaum YN, et al. **Cardiovasc Intervent Radiol** 1987;10(2):75–9

Ilioportal shunt during a venogram/lung scan. LaManna MM, et al. **Clin Nucl Med** 1986 Dec;11(12):875–6

Traumatic arterio-venous fistula involving the portal venous system. Epstein BM, et al. **Clin Radiol** 1987 Jan;38(1):91–3

Endoscopic sclerotherapy for bleeding esophageal varices secondary to extrahepatic portal vein obstruction. Thatcher BS, et al. **Gastrointest Endosc** 1987 Jun;33(3):214–9

Aneurysmal dilatation of the portal vein: a case diagnosed by real-time ultrasonography. Boyez M, et al. **Gastrointest Radiol** 1986;11(4):319–21

Calcification in the portal and collateral veins wall: CT findings. Mata JM, et al. **Gastrointest Radiol** 1987; 12(3):206–8

Portal vein thrombosis: real-time sonographic demonstration and follow-up. Schwerk WB. **Gastrointest Radiol** 1986; 11(4):312–8

Sonographic demonstration of portal venous system thromboses secondary to inflammatory diseases of the pancreas. Zalcman M, et al. **Gastrointest Radiol** 1987; 12(2):114–6

Release of prostanoids into the portal and hepatic vein in patients with chronic liver disease. Wernze H, et al. **Hepatology** 1986 Sep–Oct;6(5):911–6

Vascular complications of hepatic amoebiasis—a retrospective study. Krishnan K, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):293–6

Primary myelofibrosis associated with portal venous thrombotic occlusion and cavernous transformation around the biliary tree [letter] Ogawa S, et al. **J Clin Gastroenterol** 1987 Feb;9(1):115–6

Long-term neuropsychological outcome in children undergoing portal-systemic shunts for portal vein obstruction without liver disease. Alagille D, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):861–6

Effect of portal vein occlusion on liver blood flow in normal and cirrhotic dogs. Hanna SS, et al. **J Surg Res** 1986 Sep; 41(3):293–300

Ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis. Freling NJ, et al. **JCU** 1986 Sep;14(7):554–7

Utility and limitations of splanchnic venous ultrasonography in diagnosis of portal hypertension. Rector WG Jr, et al. **JCU** 1986 Nov–Dec;14(9):689–96

Portal vein gas and sepsis after administration of OKT3 [letter] Waymack JP, et al. **Lancet** 1987 Apr 25;1(8539):984

Experimental studies on influences of portal vein interruption on the pancreas. Shimada K. **Nippon Geka Hokan** 1986 Sep 1;55(5):662–81

A simplified method for chronic portal vein cannulation in the rat. Jansons RA, et al. **Physiol Behav** 1986;38(5):739–41

Transhepatic portal sampling for preoperative localization of insulinomas. Pedrazzoli S, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):101–6

Selective portal branch occlusion by balloon catheter during liver resection. Shimamura Y, et al. **Surgery** 1986 Nov; 100(5):938–41

Septic pylephlebitis following shigella bacteremia: case report. Vogel RA, et al. **Tex Med** 1986 Oct;82(10):35–6

Comparison of sonography, computed tomography, angiography, and percutaneous transhepatic portography in detection of portal tumor thrombus in hepatoma. Igawa S, et al. **World J Surg** 1986 Oct;10(5):876–83

Preoperative portal vein embolization for hepatocellular carcinoma. Kinoshita H, et al. **World J Surg** 1986 Oct; 10(5):803–8

[Short-term observations on portal pressure after portosystemic shunt] Huang YT, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):711–2, 779 (Eng. Abstr.) **(Chi)**

[Post-traumatic intraparenchymal hepatic artery-portal vein fistula. Apropos of a case] Vicq P, et al. **Chirurgie** 1986; 112(7–8):578–83 (Eng. Abstr.) **(Fre)**

[Is protein C deficiency responsible for portal thrombosis after neonatal exchange transfusion?] Schved JF, et al. **Presse Med** 1987 Apr 18;16(14):673–4 (Eng. Abstr.) **(Fre)**

[Chemoembolization of the hepatic artery combined with intraportal cytostatic infusion—a new concept in the regional chemotherapy of liver metastases] Seifart W, et al. **Arch Geschwulstforsch** 1986;56(6):445–50 (42 ref.) (Eng. Abstr.) **(Ger)**

[Cavernous transformation of the portal vein] Spech HJ, et al. **Dtsch Med Wochenschr** 1987 Jul 10;112(28–29):1137–9 (15 ref.) **(Ger)**

[Duplex sonography of the splenoportal axis] Mostbeck G, et al. **Radiologe** 1987 Mar;27(3):106–12 (Eng. Abstr.) **(Ger)**

[A case of hepatocellular carcinoma with extrahepatic portal vein obstruction due to tumor invasion, responsive to oral

administration of UFT] Nakanishi T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2783–6 (Eng. Abstr.) **(Jpn)**

[A case of tumor thrombosis of the extrahepatic portal vein (cavernous transformation) secondary to gastric cancer] Aruga A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2243–7 **(Jpn)**

[Hepatic failure due to disseminated intrahepatic portal vein thrombosis after endoscopic sclerotherapy of a cirrhotic patient] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2616–20 **(Jpn)**

[Portal thrombosis after splenectomy: hemodynamic analysis of two cases using an ultrasonic duplex system] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2450–4 **(Jpn)**

[An autopsy case of primary myelofibrosis associated with extrahepatic portal venous obstruction and cavernous transformation around the biliary tree] Ogawa S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):108–12 **(Jpn)**

[Diagnosis and clinical features of portal vein tumor thrombosis in hepatocellular carcinoma] Sugiura N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2151–60 (Eng. Abstr.) **(Jpn)**

[Secondary splenomegaly in cholestasis and disorders of portal blood flow in an experiment detectable by intravenous liposome splenography] Bekmuratov EB, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):74–7 (Eng. Abstr.) **(Rus)**

[Pylephlebitis as a complication of acute destructive appendicitis] Baskakov VA, et al. **Vestn Khir** 1987 Mar; 138(3):130 **(Rus)**

[Treatment of acute esophago–gastric hemorrhage in children with extrahepatic occlusion of portal blood flow] Seniakovich VM, et al. **Vestn Khir** 1986 Aug;137(8):80–4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of a pancreatic tumor with complete obturation of a part of the portal vein (a case report)] Lifshits IuZ, et al. **Vopr Onkol** 1987;33(1):99 **(Rus)**

[Intrahepatic arterio–portal fistulas: angiographic demonstration] Echenagusia A, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):41–4 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Membranous obstruction of the inferior vena cava associated with intrahepatic portosystemic shunt. Mori H, et al. **Cardiovasc Intervent Radiol** 1986;9(4):209–13

Enormous intrahepatic communication between the portal vein and the hepatic vein. Ohtomo K, et al. **Clin Radiol** 1986 Sep;37(5):513–4

CT demonstration of a bizarre intrahepatic portal branch. Kokubo T, et al. **J Comput Assist Tomogr** 1987 Mar–Apr; 11(2):365–7

[CT morphology of the splenic vessels in splenoportal fistula] Mansfeld L, et al. **Digitale Bilddiagn** 1986 Dec;6(4):168–70 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Ultrasonographic investigation of respiratory influence on diameters of portal vessels in normal subjects. Kurol M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec; 27(6):675–80

[Relation between age and the intrinsic topography of the portal and hepatic veins of the liver and its shape and size] Tsal GE. **Khirurgiia (Mosk)** 1987 Feb;(2):81–5 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Immunohistochemical evidence for mast cells containing 5–hydroxytryptamine in rat portal vein. Barja F, et al. **Agents Actions** 1986 Aug;18(5–6):508–11

Analysis by flow cytometry of rat hepatocytes from different acinar zones. Vargas JL, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):535–41

DRUG EFFECTS

Comparison of atriopeptins II and III, VIP and beta 2–adrenoceptor–evoked relaxations of the two layers of smooth muscle in the rat portal vein. Bråtveit M, et al. **Acta Physiol Scand** 1987 Aug;130(4):593–9

Comparison of VIP and beta 2–adrenoceptor–induced relaxations in the circular and longitudinal smooth muscle layers of the rat portal vein. Rydningen HT, et al. **Acta Physiol Scand** 1987 Aug;130(4):601–7

Hypersensitivity of mesenteric veins to 5–hydroxytryptamine– and ketanserin–induced reduction of portal pressure in portal hypertensive rats. Cummings SA, et al. **Br J Pharmacol** 1986 Nov;89(3):501–13

The effect of ATP analogues on the spontaneous electrical and mechanical activity of rat portal vein longitudinal muscle. Reilly WM, et al. **Eur J Pharmacol** 1987 Jun 26; 138(3):319–25

Calcium channel receptor binding studies for diltiazem and its major metabolites: functional correlation to inhibition of portal vein myogenic activity. Schoemaker H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):173–80

Cholecystokinin octapeptide, caerulein, substance P, neurotensin, and angiotensin II: species–typical effects on the isolated portal vein of guinea pig and rat. Zetler G, et al. **Pharmacology** 1987;34(1):30–6

[Effect of foridon on 45Ca uptake in isolated blood vessels] Zarin'sh GV, et al. **Farmakol Toksikol** 1986 Jul–Aug; 49(4):43–5 (Eng. Abstr.) **(Rus)**

[Effect of corticosterone on the contractile activity of the portal vein in the normotensive and hypertensive rat] Ovchinnikova LP, et al. **Fiziol Zh SSSR** 1986 Jul; 72(7):947–51 (Eng. Abstr.) **(Rus)**

[Changes in the contractile activity of the portal vein of the rat in response to corticosteroid hormones] Ovchinnikova LP, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1528–32 (Eng. Abstr.) **(Rus)**

INJURIES

Successful treatment of a traumatic hepatic artery–portal vein arteriovenous fistula by interpositional mesocaval shunting. Down NK, et al. **Can J Surg** 1987 Mar;30(2):117–9

Portal vein injury. McFadden D, et al. **Can J Surg** 1987 Mar; 30(2):91–2

[Complications of the transcutaneous transhepatic catheterization of the portal vein and their prevention] Kapranov SA, et al. **Vestn Khir** 1986 Oct;137(10):111–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Functional role of aerobic glycolysis in rat portal vein. Lövgren B, et al. **Acta Physiol Scand** 1987 Feb;129(2):211–9

Porto–arterial plasma concentration differences of urea and ammonia–nitrogen in growing pigs given high– and low–fibre diets. Malmlöf K. **Br J Nutr** 1987 May; 57(3):439–46

Spin trapping of superoxide and hydroxyl radicals with substituted pyrroline 1–oxides. Turner MJ 3d, et al. **J Med Chem** 1986 Dec;29(12):2439–44

PATHOLOGY

MR evaluation of the portal vein in pediatric liver transplant candidates. Day DL, et al. **AJR** 1986 Nov;147(5):1027–30

The correlation between MR and angiography in portal hypertension. Torres WE, et al. **AJR** 1987 Jun; 148(6):1109–13

Portographic opacification of hepatic veins and (anomalous) anastomoses between the portal and hepatic veins in cirrhosis—indication of extensive intrahepatic shunts. Ohnishi K, et al. **Am J Gastroenterol** 1986 Oct;81(10):975–8

Splanchnic hemodynamics in portal hypertensive dogs with portal fibrosis. Sugita S, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G748–54

Portal vein measurement by ultrasonography in patients with long–standing cystic fibrosis: preliminary observations. Kumari–Subaiya S, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):71–8

Portal fibrosis: intrahepatic portal vein pathology in chronic human schistosomiasis mansoni. Grimaud JA, et al. **J Submicrosc Cytol** 1986 Oct;18(4):783–93

Intravascular signal in MR imaging: use of phase display for differentiation of blood–flow signal from intraluminal disease. White EM, et al. **Radiology** 1986 Oct;161(1):245–9

[Hepatic hemangiosarcoma in a patient with portal fibrosis after exposure to vinyl chloride (letter)] Capony P, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):344 **(Fre)**

[Echographic appearance of thrombosis of the portal vein] Van Gansbeke D, et al. **J Belge Radiol** 1986;69(4):223–9 (Eng. Abstr.) **(Fre)**

[Radiological diagnosis of calcifications of the portal vein. Apropos of a case] Hendaoui L, et al. **J Radiol** 1987 Jan; 68(1):65–7 (Eng. Abstr.) **(Fre)**

[Sonography in prehepatic portal vein occlusion] Wermke W. **Dtsch Med Wochenschr** 1987 Jan 16;112(3):90–5 (Eng. Abstr.) **(Ger)**

[Portal vein thrombosis and portal vein sclerosis in liver cirrhosis] Susani M, et al. **Vasa** 1986;15(4):392–6 (Eng. Abstr.) **(Ger)**

[Sonographic comparative studies of the portal vascular system before and following endoscopic sclerosing of esophageal varices] Pristautz H, et al. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):540–3 (Eng. Abstr.) **(Ger)**

[Case of primary sclerosis of the portal vein] Salil ME, et al. **Vrach Delo** 1987 Jul;(7):27–8 **(Rus)**

PHYSIOLOGY

Nervous control of glycogenolysis and blood flow in arterially and portally perfused liver. Gardemann A, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E238–45

Infusion of CCK–8 into hepatic–portal vein fails to reduce food intake in rats. Greenberg D, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R1015–8

Hemodynamic effects of portal triad clamping in humans. Delva E, et al. **Anesth Analg** 1987 Sep;66(9):864–8

Portal vein gas following double–contrast barium enema. Bull MJ, et al. **Br J Radiol** 1985 Nov;58(695):1129–30

Hepatotrophic effect of portal blood during hepatic arterial recirculation. Rozga J, et al. **Eur Surg Res** 1986; 18(5):302–11

A method for chronically quantifying net absorption of nutrients and gut metabolites into hepatic portal vein in conscious swine. Yen JT, et al. **J Anim Sci** 1987 Mar; 64(3):923–34

Capacitance of the rabbit portal vein and inferior vena cava. Brown BP, et al. **J Physiol (Lond)** 1986 Dec;381:417–25

Reflex renal vasoconstriction on portal vein distension. Koyama S, et al. **Jpn J Physiol** 1986;36(3):441–50

[Measurement of blood flow in portal vein and inferior vena cava of dogs by using ultrasonic transit–time blood flow meter] Nishiwaki H, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1364 **(Jpn)**

PHYSIOPATHOLOGY

Effects of esophageal transection combined with splenectomy on portal hemodynamics. Saito M, et al. **Am J Gastroenterol** 1987 Jan;82(1):16–9

Effects of nonshunting operations on portal venous pressure and hepatic blood flow. Kawasaki S, et al. **Am J Surg** 1987 Mar;153(3):295–9

Serum concentrations of laminin and aminoterminal propeptide of type III procollagen in relation to the portal venous pressure of fibrotic liver diseases. Gressner AM, et al. **Clin Chim Acta** 1986 Dec 30;161(3):249–58

Doppler flowmetry and portal hypertension. Burns P, et al. **Gastroenterology** 1987 Mar;92(3):824–6

Portal venous hemodynamics in hepatocellular carcinoma. Effects of hepatic artery embolization. Ohnishi K, et al. **Gastroenterology** 1987 Sep;93(3):591–6

Changes in blood flow, portal pressure and shunting during the development of cirrhosis in response to beta–blockade. McLarea M, et al. **Gut** 1987 Jun;28(6):663–7

Effect of oxamniquine and praziquantel on intrasplenic pressure and portal vein diameter in hepatosplenic schistosomiasis. Massoud AM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):427–37

Portal vein dynamics in biliary atresia. Hernandez–Cano AM, et al. **J Pediatr Surg** 1987 Jun;22(6):519–21

Sympathetic tone modulates portal venous pressure in alcoholic cirrhosis. Willett IR, et al. **Lancet** 1986 Oct 25; 2(8513):939–43

Portal hemodynamics in patients with hepatocellular carcinoma. Moriyasu F, et al. **Radiology** 1986 Dec; 161(3):707–11

[Evaluation of splenic artery embolization (SAE) in portal hypertension with esophageal varices—assessments from hemodynamic changes in the portal venous system and angiographic findings] Umehara M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):1951–9 (Eng. Abstr.) **(Jpn)**

[Studies on portal blood flow using an ultrasonic pulsed Doppler system and correlation between portal blood flow and cardiac output] Doi T, et al. **Rinsho Byori** 1986 Aug; 34(8):977–80 **(Jpn)**

RADIOGRAPHY

Tumor vessels and contrast enhancement of hepatocellular carcinoma demonstrated by percutaneous transhepatic portography. Report of a case. Fujisawa I, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug;27(4):429–32

Spontaneous rupture of a pancreatic pseudocyst into the portal venous system. Takayama T, et al. **AJR** 1986 Nov; 147(5):935–6

The significance of portal vein gas in necrotizing enterocolitis. Kennedy J, et al. **Am Surg** 1987 Apr; 53(4):231–4

Recognition and clinical implications of mesenteric and portal vein obstruction in chronic pancreatitis. Warshaw AL, et al. **Arch Surg** 1987 Apr;122(4):410–5

Adult survival with portal venous gas secondary to acute gastric dilation [letter] Hughes DG, et al. **Clin Radiol** 1986 Nov;37(6):603

Septic portal vein thrombophlebitis: computed tomography appearance. Case report. Castillo M, et al. **Comput Radiol** 1986 Nov–Dec;10(6):289–92

Evaluation of "M–point" in hepatic artery to identify left medial segment of liver. Angiographic study. Yoshimura H, et al. **Eur J Radiol** 1986 Aug;6(3):195–8

Porta hepatis: duplex Doppler US with angiographic correlation. Alpern MB, et al. **Radiology** 1987 Jan;162(1 Pt 1):53–6

High–attenuation recent thrombus of the portal vein: CT demonstration and clinical significance. Mori H, et al. **Radiology** 1987 May;163(2):353–6

"Atraumatic" transjugular needle for portal vein puncture in swine. Uchida BT, et al. **Radiology** 1987 May;163(2):580–1

Computerized axial tomography (CT) as an aid in the diagnosis of hepatic portal venous gas: a case report. Sisley JF, et al. **Surgery** 1987 Mar;101(3):376–9

[Significance of transarterial portovenography in the surgical treatment of portal hypertension] Chen ZP, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):645–7,698 (Eng. Abstr.) **(Chi)**

RADIONUCLIDE IMAGING

Quantitative aspects of portal–systemic and arteriovenous shunts within the liver in cirrhosis. Ohnishi K, et al. **Gastroenterology** 1987 Jul;93(1):129–34

Estimation of portal–systemic shunting by rectal infusion of radiotracer. Piga M, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):197–203

[Regional liver circulation and scintigraphic imaging of portal circulation with 133Xe] Kroiss A. **Acta Med Austriaca [Suppl]** 1984;31:1–28 (Eng. Abstr.) **(Ger)**

[Hemodynamics of esophageal varices studied by transsplenic radionuclide portography] Hayakawa K, et al. **Kaku Igaku** 1986 Dec;23(12):1745–8 (Eng. Abstr.) **(Jpn)**

SURGERY

Reconstruction of portal vein with an autograft of splenic vein. Miyata M, et al. **J Cardiovasc Surg (Torino)** 1987 Jan–Feb;28(1):18–21

Traumatic superior mesenteric arteriovenous fistula. A case report. du Toit DF, et al. **S Afr Med J** 1987 May 2; 71(9):587–8

[Portazygos disconnection and coronary venography in the treatment of massive hemorrhage from esophageal and gastric varices] Liu XL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):657–8, 699 (Eng. Abstr.) **(Chi)**

[Combined reconstruction of the bile ducts and liver vessels in cancer of the hepatic duct at its bifurcation] Lygidakis NJ. **Chirurg** 1987 Apr;58(4):282–5 **(Ger)**

[Variant technic of hepatic arterialization after porto–caval anastomosis in the rat. Preliminary results] Beati CA, et al. **Minerva Chir** 1987 Jun 15;42(11):1005–8 (Eng. Abstr.) **(Ita)**

[Preparation of an antithrombogenic bypass–catheter of the portal vein and its application to extended radical surgery in pancreatic cancer] Nakao A, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1482–7 (Eng. Abstr.) **(Jpn)**

[Veno–venous bypass in a special case of liver transplant] Riaño Carrera D, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):219–20 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

[Vascular cast of primary liver cancer and scanning electron microscopic observations] Li CL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):620–1, 640 (Eng. Abstr.) **(Chi)**

PORTASYSTEMIC SHUNT, SURGICAL

Hemodynamic changes in portal circulation after portosystemic shunts: use of duplex sonography in 43 patients. Lafortune M, et al. **AJR** 1987 Oct;149(4):701–6

Effects of altered portal hemodynamics after distal splenorenal shunts. Rikkers LF, et al. **Am J Surg** 1987 Jan; 153(1):80–5

Splanchnic hemodynamic changes after the distal spleno renal shunt. Vo NM, et al. **Am Surg** 1986 Oct;52(10):568–71

Prospective study of a planned approach to the surgical management of bleeding oesophageal varices. Connacher AA, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):256–9

Distal splenorenal shunt for management of variceal bleeding in patients with schistosomal hepatic fibrosis. Ezzat FA, et al. **Ann Surg** 1986 Nov;204(5):566–73

Ultrasonic Doppler duplex study of hemodynamic changes from portosystemic shunt operation. Moriyasu F, et al. **Ann Surg** 1987 Feb;205(2):131–6

Shunt surgery versus endoscopic sclerotherapy for long–term treatment of variceal bleeding. Early results of a randomized trial. Rikkers LF, et al. **Ann Surg** 1987 Sep; 206(3):261–71

Splenopancreatic disconnection. Improved selectivity of distal splenorenal shunt. Warren WD, et al. **Ann Surg** 1986 Oct;204(4):346–55

Serum bile acid determination for assessing patency of portosystemic shunts. Lack of value. Tabibian N, et al. **Arch Intern Med** 1987 May;147(5):911–2

The long–term effect of distal lienorenal shunt surgery on portal venous pressure. Gibson PR, et al. **Aust NZ J Surg** 1986 Oct;56(10):773–6

Successful treatment of a traumatic hepatic artery–portal vein arteriovenous fistula by interpositional mesocaval shunting. Down NK, et al. **Can J Surg** 1987 Mar;30(2):117–9

The Warren (distal splenorenal) shunt for portal hypertension. Stone RM, et al. **Can J Surg** 1975 Nov; 18(6):563–6

A comparison of the effects of end–to–side portacaval shunting and side–to–side mesocaval shunting on hepatic haemodynamics in the dog. Jenkins SA, et al. **Clin Exp Pharmacol Physiol** 1986 Jun;13(6):447–52

Effects of total and selective portasystemic shunting on hepatic haemodynamics and some aspects of liver function in the cirrhotic rat. Jenkins SA, et al. **Clin Exp Pharmacol Physiol** 1986 Sep;13(9):671–80

Visualization of distal splenorenal shunt by isotopic splenovenography. Sukigara M, et al. **Clin Nucl Med** 1987 Mar;12(3):189–91

Hepatotrophic effect of portal blood during hepatic arterial recirculation. Rozga J, et al. **Eur Surg Res** 1986; 18(5):302–11

Thrombocytopenia in liver cirrhosis complicated by variceal haemorrhage: lack of increase in platelet count after spleno renal distal shunt. Luzzatto G, et al. **Folia Haematol (Leipz)** 1987;114(1):145–52

A new method for evaluation of portasystemic shunting. The rectal octanoate tolerance test. Linscheer WG, et al. **Gastroenterology** 1969 Oct;57(4):415–23

Sclerotherapy vs. distal splenorenal shunt in the elective treatment of variceal hemorrhage: a randomized controlled trial. Terés J, et al. **Hepatology** 1987 May–Jun;7(3):430–6

Role of portasystemic shunts in the hyperkinetic circulation of the portal hypertensive rat. Braillon A, et al. **J Lab Clin Med** 1986 Dec;108(6):543–8

Surgical portosystemic shunts in children: assessment with duplex Doppler US. Work in progress. Patriquin H, et al. **Radiology** 1987 Oct;165(1):25–8

Percutaneous vascular intervention after surgical shunting for portal hypertension. Ruff RJ, et al. **Radiology** 1987 Aug; 164(2):469–74

Portal–systemic encephalopathy. Influence of shunt surgery and relations to serum amino acids. Joelsson B, et al. **Scand J Gastroenterol** 1986 Oct;21(8):900–6

The distal splenorenal shunt in patients with variceal bleeding due to schistosomal hepatic fibrosis. Bessa SM, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):143–7

Evaluation and treatment of early hemorrhage of the alimentary tract after selective shunt procedures. Richards WO, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):530–6

Liver transplantation in patients with patent splenorenal shunts. Esquivel CO, et al. **Surgery** 1987 Apr;101(4):430–2

Portal hypertension and an occluded inferior vena cava [letter] Yao JS, et al. **Surgery** 1986 Nov;100(5):942

[Clinical observation on the treatment of portal hypertension with esophageal varix hemorrhage by splenocaval shunt] Chen B, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov; 24(11):652–3, 698–9 (Eng. Abstr.) **(Chi)**

[Short–term observations on portal pressure after portosystemic shunt] Huang YT, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):711–2, 779 (Eng. Abstr.) **(Chi)**

[Metabolic derangement of glucose, bile acid and amino acids after portosystemic shunts in cirrhotic rats] Kuang RL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):705–10, 779 (Eng. Abstr.) **(Chi)**

[Splenorenal shunt in bleeding gastroesophageal varices] Pan Y, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):717–8, 779–80 (Eng. Abstr.) **(Chi)**

[Experimental study of the effects of end–to–side mesocaval shunt on the liver] Wu ZY, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):641–4, 698 (Eng. Abstr.) **(Chi)**

[Surgical treatment of intractable ascites in cirrhosis. In favor of a rationale for therapeutic indications] Franco D, et al. **Acta Gastroenterol Belg** 1986 Jan–Feb;49(1):50–9 (Eng. Abstr.) **(Fre)**

[Portal hypertension in children. Therapeutic approach in cases of failure of a portosystemic shunt] Heloury Y, et al. **Chir Pediatr** 1986;27(3):143–7 (Eng. Abstr.) **(Fre)**

[Portal circulation following the Warren operation—computerized tomography study of portal hemodynamics 5 to 11 years following distal splenorenal anastomosis] Marzoli GP, et al. **Langenbecks Arch Chir** 1987;370(3):185–96 (Eng. Abstr.) **(Ger)**

[Portohepatic angiography with intra–arterial digital subtraction technic] Krestin GP, et al. **Med Klin** 1986 May 16;81(11):380–4 (Eng. Abstr.) **(Ger)**

[Vascularization between spleen and liver following splenohepatoplasty. Angiographic studies in cirrhotic rats] Lopez Gollonet JM, et al. **Zentralbl Chir** 1987; 112(8):519–24 (Eng. Abstr.) **(Ger)**

[Surgical therapy of portal hypertension] Campani M. **Minerva Chir** 1986 Nov 30;41(22):1907–11 **(Ita)**

[Evaluation of the permeability of distal splenorenal anastomosis, by ultrasonography and angiography in hepatosplenic form of schistosomiasis mansoni] Magalhães AC. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Nov–Dec; 41(6):260–6 (Eng. Abstr.) **(Por)**

[Cruveilhier–Baumgarten syndrome with upper digestive hemorrhage. Resolution by omphalo–caval shunt] Bancu VE, et al. **Rev Chir [Chir]** 1987 Jan–Feb;36(1):63–6 (Eng. Abstr.) **(Rum)**

METHODS

Long term follow–up of 100 patients with portal hypertension treated by a modified splenorenal shunt. Rigau J, et al. **Br J Surg** 1986 Sep;73(9):708–11

Transjugular intrahepatic portosystemic shunt: a nonoperative approach to life–threatening variceal bleeding. Gordon JD, et al. **Can J Surg** 1987 Jan;30(1):45–9

Selective shunting procedures in portal hypertension: current perspectives. Myburgh JA. **Surg Annu** 1987;19:83–109 (73 ref.)

Clinical comparison between original and modified distal splenorenal shunts. Nagasue N, et al. **Surgery** 1987 Jun; 101(6):661–7

Combined therapy for esophageal varices: sclerotherapy, embolization, and splenopneumopexy. Ono J, et al. **Surgery** 1987 May;101(5):535–43

[Portal hypertension—esophageal varices: shunt operations] Doermer A, et al. **Fortschr Med** 1987 Mar 30;105(9):171–4 (Eng. Abstr.) **(Ger)**

[Experimental porto–systemic diversion in the rat: a comparative analysis of technics and results] Massaglia F, et al. **Ann Osp Maria Vittoria Torino** 1985 Jan–Jun; 28(1–6):28–55 (Eng. Abstr.) **(Ita)**

[Warren's distal splenorenal anastomosis. Current status] Perrone G, et al. **Minerva Chir** 1986 Nov 15;41(21):1753–8 (48 ref.) (Eng. Abstr.) **(Ita)**

[Spleno–renal shunt using the retroperineal approach in the treatment of renovascular arterial hypertension] Abad C, et al. **Angiologia** 1987 Jul–Aug;39(4):171–7 (Eng. Abstr.) **(Spa)**

[Sugiura's operation. The experience in the Salvador Zubirán National Institute of Nutrition (letter)] Vázquez Valdés E, et al. **Rev Invest Clin** 1986 Jul–Sep;38(3):347 **(Spa)**

MORTALITY

Do surgeons led by surgeons operate better than internist–led surgeons? [letter] Conn HO. **Gastroenterology** 1987 Mar; 92(3):841–2

[A further evaluation of the prophylactic portosystemic shunt] Bai CN, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):719–21, 780 (Eng. Abstr.) **(Chi)**

PSYCHOLOGY

Long–term neuropsychological outcome in children undergoing portal–systemic shunts for portal vein obstruction without liver disease. Alagille D, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):861–6

TRENDS

[Shunt surgery yesterday and today] Schröder R. **Schweiz Rundsch Med Prax** 1986 Oct 14;75(42):1229–33 (53 ref.) (Eng. Abstr.) **(Ger)**

PORTOGRAPHY

CT demonstration of a bizarre intrahepatic portal branch. Kokubo T, et al. **J Comput Assist Tomogr** 1987 Mar–Apr; 11(2):365–7

Safety of splenoportovenography as an outpatient procedure [letter] Dilawari JB, et al. **Lancet** 1987 Jul 11;2(8550):101

ADVERSE EFFECTS

Safe splenoportography. Brazzini A, et al. **Radiology** 1987 Mar;162(3):607–9

METHODS

[Computerized portography in the evaluation of malignant hepatic tumors] Boulanger A, et al. **J Belge Radiol** 1986; 69(5):329–34 (Eng. Abstr.) **(Fre)**

PORTOSYSTEMIC SHUNT, SURGICAL see **PORTASYSTEMIC SHUNT, SURGICAL**

PORTRAITS

Illustrations from the Wellcome Institute Library. Gachet and Johnston–Saint: the provenance of van Gogh's L'Homme à la Pipe. Prescott GM. **Med Hist** 1987 Apr; 31(2):217–24

[Johannes Müller and Friedrich Schlemm, Ernst Heinrich and Eduard Friedrich Weber, Bernard von Langenbeck and Johann Christian Jüngken in the drawings of the portrait artist J. Kayser] Hildebrand R. **Sudhoffs Arch** 1986; 70(2):152–66 (Eng. Abstr.) **(Ger)**

POSITIVE PRESSURE RESPIRATION

Central haemodynamics and regional blood flows during thoracic epidural analgesia combined with positive pressure ventilation. An experimental study in the pig. Feuk U, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):479–86

Smoking, age and the arterial–end–tidal PCO2 difference during anaesthesia and controlled ventilation [letter] Fletcher R. **Acta Anaesthesiol Scand** 1987 May;31(4):355–6

Self–administered prophylactic postoperative positive expiratory pressure in thoracic surgery. Frølund L, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):381–5

Thoracic and abdominal lymph drainage in relation to mechanical ventilation and PEEP. Frostell C, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):405–12

Inhibition of phrenic nerve activity during positive–pressure ventilation at high and low frequencies. Norsted T, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):521–8

Spontaneous versus controlled ventilation in anaesthetized children with congenital cardiac malformations. Olsson AK, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):87–92

Positive–pressure ventilation at moderately high frequency in newborn infants with respiratory distress syndrome (IRDS). Sedin G. **Acta Anaesthesiol Scand** 1986 Oct; 30(7):515–20

Longterm follow–up of ventilator treated low birthweight infants. II. Neurological and psychological outcome at 6–7 years. Blennow G, et al. **Acta Paediatr Scand** 1986 Sep; 75(5):827–31

The effects of intermittent positive pressure ventilation on cerebral arterial and venous blood velocities in the newborn infant. Cowan F, et al. **Acta Paediatr Scand** 1987 Mar; 76(2):239–47

Reflex changes in sympathetic nerve activity during mechanical ventilation with PEEP in sino–aortic denervated rats. Sellden H, et al. **Acta Physiol Scand** 1987 May;130(1):15–24

Self–contained respirators: effects of negative and positive pressure–demand types on physical exercise. Verstappen F, et al. **Am Ind Hyg Assoc J** 1986 Oct;47(10):635–40

Transesophageal two–dimensional echocardiographic evaluation of biventricular dimension and function during positive end–expiratory pressure ventilation after coronary artery bypass grafting. Koolen JJ, et al. **Am J Cardiol** 1987 May 1;59(12):1047–51

Guidelines for weaning from positive end–expiratory pressure

in ventilated patients. Borman KR, et al. **Am J Surg** 1986 Dec;152(6):687–90

Time course of change in ventilatory response to CO2 with long–term CPAP therapy for obstructive sleep apnea. Berthon–Jones M, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):144–7

Changes in pharyngeal cross–sectional area with posture and application of continuous positive airway pressure in patients with obstructive sleep apnea. Brown IB, et al. **Am Rev Respir Dis** 1987 Sep;136(3):628–32

Diaphragm pacing and continuous positive airway pressure. Harpin RP, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1321–3

Central sleep apnea reversed by continuous positive airway pressure. Hoffstein V, et al. **Am Rev Respir Dis** 1987 May; 135(5):1210–2

Effect of positive end–expiratory pressure on right and left ventricular function in patients with the adult respiratory distress syndrome. Potkin RT, et al. **Am Rev Respir Dis** 1987 Feb;135(2):307–11

The National Institutes of Health Intermittent Positive Pressure Breathing trial—pathology studies. III. The diagnosis of emphysema. West WW, et al. **Am Rev Respir Dis** 1987 Jan;135(1):123–9

Positive end–expiratory pressure increases plasma catecholamine levels in non–volume loaded dogs. Chernow B, et al. **Anaesth Intensive Care** 1986 Nov;14(4):421–5

Total collapse of lung and CPAP [letter] Davies CA, et al. **Anaesthesia** 1987 Jul;42(7):780

One–lung ventilation. The effect of positive end expiratory pressure to the nondependent and dependent lung. Obara H, et al. **Anaesthesia** 1986 Oct;41(10):1007–10

Bowel sounds during intermittent positive pressure ventilation [letter] Shelly MP, et al. **Anaesthesia** 1987 Feb; 42(2):207–9

Dependent PEEP during two–lung ventilation in the lateral decubitus position. Baraka A, et al. **Anesth Analg** 1987 Apr; 66(4):347–50

High frequency positive pressure ventilation during general anesthesia for extracorporeal shock wave lithotripsy. Perel A, et al. **Anesth Analg** 1986 Nov;65(11):1231–4

Respiratory changes induced by parenteral nutrition in postoperative patients undergoing inspiratory pressure support ventilation. Delafosse B, et al. **Anesthesiology** 1987 Mar;66(3):393–6

Fiberoptic assisted tracheal intubation under general anesthesia with IPPV [letter] McAlpine G, et al. **Anesthesiology** 1987 Jun;66(6):853

Cardiovascular effects of positive pressure ventilation in humans. Abel JG, et al. **Ann Thorac Surg** 1987 Feb; 43(2):198–206

Endotracheal resuscitation of preterm infants at birth. Hoskyns EW, et al. **Arch Dis Child** 1987 Jul;62(7):663–6

Prolonged positive airway pressure for severe neonatal tracheobronchomalacia. Pizer BL, et al. **Arch Dis Child** 1986 Sep;61(9):908–9

Plasma volume and endocrine responses to water immersion with intermittent positive–pressure breathing in men. Harrison MH, et al. **Aviat Space Environ Med** 1987 May; 58(5):424–9

Duration of ventricular ejection during spontaneous breathing and positive pressure ventilation in newborn infants. Keller M, et al. **Biol Neonate** 1986;50(3):130–5

Sedation of children requiring artificial ventilation using an infusion of midazolam. Booker PD, et al. **Br J Anaesth** 1986 Oct;58(10):1104–8

Fresh gas flow requirements using the ADE anaesthetic system during late pregnancy. Duncan PW, et al. **Br J Anaesth** 1987 Mar;59(3):360–3

Anaesthesia for paediatric tonsillectomy. Comparison of spontaneous ventilation and intermittent positive pressure ventilation. Stow PJ, et al. **Br J Anaesth** 1987 Apr; 59(4):419–23

Positive end–expiratory pressure increases pulmonary clearance of inhaled 99mTc–DTPA in nonsmokers but not in healthy smokers. Nolop KB, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):57–60

Effect of PEEP on the arterial minus end–tidal carbon dioxide gradient. Blanch L, et al. **Chest** 1987 Sep; 92(3):451–4

A continuous monitoring technique for management of acute pulmonary failure. Carroll GC. **Chest** 1987 Sep;92(3):467–9

Percutaneous drainage of an infected lung bulla in a patient receiving positive pressure ventilation. Dean NC, et al. **Chest** 1987 Jun;91(6):928–30

Inverse ratio ventilation. PEEP in disguise? [editorial] Duncan SR, et al. **Chest** 1987 Sep;92(3):390–2

CPAP with minimal work of breathing [letter] Hillman DR, et al. **Chest** 1987 May;91(5):796–7

Continuous positive airway pressure effect on functional residual capacity, vital capacity and its subdivisions. Lindner KH, et al. **Chest** 1987 Jul;92(1):66–70

Intermittent positive pressure breathing in patients with respiratory muscle weakness. Alterations in total respiratory system compliance. McCool FD, et al. **Chest** 1986 Oct;90(4):546–52

Positive end–expiratory pressure following coronary artery bypass grafting. Marvel SL, et al. **Chest** 1986 Oct; 90(4):537–41

Ventricular assist by cardiac cycle–specific increases in intrathoracic pressure. Pinsky MR, et al. **Chest** 1987 May; 91(5):709–15

Differences in EPAP and CPAP [letter] Quan SF, et al. **Chest** 1987 Mar;91(3):471–2

Continuous positive airway pressure and supplemental oxygen in the treatment of cardiogenic pulmonary edema. Väisänen IT, et al. **Chest** 1987 Sep;92(3):481–5

The effect of high frequency oscillatory ventilation on extravascular lung water in the rabbit. Ritchie BC, et al. **Clin Exp Pharmacol Physiol** 1986 Nov–Dec; 13(11–12):811–7

Simple and accurate monitoring of end–tidal carbon dioxide tensions during high–frequency jet ventilation. Algora–Weber A, et al. **Crit Care Med** 1986 Oct; 14(10):895–7

Effect of intrinsic positive end–expiratory pressure on respiratory compliance. Cavieres I, et al. **Crit Care Med** 1986 Nov;14(11):947–9

Alterations in regional blood flow during positive end–expiratory pressure ventilation. Dorinsky PM, et al. **Crit Care Med** 1987 Feb;15(2):106–13

Influence of positive end–expiratory pressure on cardiac performance in premature infants: a Doppler–echocardiographic study. Hausdorf G, et al. **Crit Care Med** 1987 Jul;15(7):661–4

Comparison of high–frequency chest wall compression with conventional mechanical ventilation in cats. Hayek Z, et al. **Crit Care Med** 1987 Jul;15(7):676–81

Minimizing work of breathing with continuous positive airway pressure and intermittent mandatory ventilation: an improved continuous low–flow system. Hillman DR, et al. **Crit Care Med** 1987 Jul;15(7):665–70

Indirect calorimetry in the mechanically ventilated patient. Levinson MR, et al. **Crit Care Med** 1987 Feb;15(2):144–7

Does compliance reflect oxygen delivery in porcine septic respiratory failure treated with positive end–expiratory pressure? Myers JC, et al. **Crit Care Med** 1987 Jan; 15(1):38–40

Effects of intermittent positive–pressure ventilation on cardiac output measurements by thermodilution. Okamoto K, et al. **Crit Care Med** 1986 Nov;14(11):977–80

Effects of blood volume and discontinuance of ventilation on pulmonary vascular pressures and blood gases in patients with low levels of positive end–expiratory pressure. Schwartz SZ, et al. **Crit Care Med** 1987 Jul;15(7):671–5

Collateral ventilation of obstructed lung during high–frequency oscillation in dogs and pigs. Takeda J, et al. **Crit Care Med** 1987 Sep;15(9):858–62

Improved arterial oxygenation by diaphragmatic pacing in quadriplegia. Vincken W, et al. **Crit Care Med** 1987 Sep; 15(9):872–3

Randomized controlled trial of very early continuous distending pressure in the management of preterm infants. Han VK, et al. **Early Hum Dev** 1987 Jan;15(1):21–32

Long–term oxygen therapy vs. IPPB therapy in patients with COLD and respiratory insufficiency: survival and pulmonary hemodynamics. Klein G, et al. **Eur J Respir Dis [Suppl]** 1986;146:409–15

Effect of intermittent high–frequency intrapulmonary percussive breathing on mucus transport. Ravez P, et al. **Eur J Respir Dis [Suppl]** 1986;146:285–9

Pneumoperitoneum as a sign of pulmonary barotrauma during artificial ventilation [letter] du Plessis HJ, et al. **Intensive Care Med** 1987;13(3):213

Thoracic duct lymph and PEEP studies in anaesthetized dogs. I. Lymph formation and the effect of a thoracic duct fistula on lymph flow. Haider M, et al. **Intensive Care Med** 1987;13(3):183–91

Comparison of high–frequency jet ventilation to conventional ventilation in adults with respiratory distress syndrome. Holzapfel L, et al. **Intensive Care Med** 1987;13(2):100–5

Continuous positive airway pressure improves the quality of sleep and oxygenation in obstructive sleep apnea syndrome. Bonsignore G, et al. **Ital J Neurol Sci** 1987 Apr;8(2):129–34

Effects of continuous positive airway pressure on upper airway and respiratory muscle activity. Alex CG, et al. **J Appl Physiol** 1987 May;62(5):2026–30

Does indomethacin affect shunt and its response to PEEP in oleic acid pulmonary edema? Ali J, et al. **J Appl Physiol** 1987 Jun;62(6):2187–92

Effects of positive end–expiratory pressure on the right ventricle. Henning RJ. **J Appl Physiol** 1986 Sep; 61(3):819–26

Effects of positive end–expiratory pressure on hepatic blood flow and performance. Matuschak GM, et al. **J Appl Physiol** 1987 Apr;62(4):1377–83

Hemodynamic, gas exchange, and hormonal consequences of LBPP during PEEP ventilation. Payen DM, et al. **J Appl Physiol** 1987 Jan;62(1):61–70

Influence of inspiratory assistance on ventilatory control during moderate exercise. Poon CS, et al. **J Appl Physiol** 1987 Feb;62(2):551–60

Effects of airway pressure on bronchial blood flow. Wagner EM, et al. **J Appl Physiol** 1987 Feb;62(2):561–6

Automated measurement of functional residual capacity by sulfur hexafluoride washout. East TD, et al. **J Clin Monit** 1987 Jan;3(1):14–21

A cure for Santa's sleep apnoea [letter] Wittig RM, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1464

Application of the newly devised transesophageal echocardiography during positive end–expiratory pressure. Terai C, et al. **Med J Osaka Univ** 1985 Sep;36(1–2):13–6

Gas exchange and hemodynamics in patients with bacterial pneumonia ventilated with high PEEP levels. Raimondi GA, et al. **Medicina (B Aires)** 1986;46(2):147–56

Changes in human diaphragmatic electromyogram with positive pressure breathing. McKenzie DK, et al. **Neurosci Lett** 1986 Sep 25;70(1):86–90

Cardiopulmonary function of cats with respiratory distress induced by N–nitroso N–methylurethane. Richardson P, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):296–302

Croup: IPPB and/or racemic epinephrine therapy [letter] Bass JW. **Pediatrics** 1978 Jan;61(1):148–9

Were infants in the control group sicker? [letter] Vollman JH. **Pediatrics** 1978 Jan;61(1):161–2

The effects of ventilation with positive end–expiratory pressure on the bronchial circulation. Cassidy SS, et al. **Respir Physiol** 1986 Dec;66(3):269–78

Load compensation during positive pressure breathing in anesthetized man. Derenne JP, et al. **Respir Physiol** 1986 Sep;65(3):303–14

Determination of optimal positive end–expiratory pressure by means of conjunctival oximetry. Kram HB, et al. **Surgery** 1987 Mar;101(3):329–34

Evaluation of positive expiratory pressure as an adjunct to chest physiotherapy in the treatment of cystic fibrosis. Hofmeyr JL, et al. **Thorax** 1986 Dec;41(12):951–4

Acute severe asthma treated by mechanical ventilation: 10 years' experience from a district general hospital. Luksza AR, et al. **Thorax** 1986 Jun;41(6):459–63

[Intracranial pressure and circulatory parameters with positive end–expiratory pressure (PEEP). The possibility of drug modification] Hoffmann P, et al. **Anaesthesist** 1986 Dec;35(12):721–33 (Eng. Abstr.) **(Ger)**

[Hemodynamic findings using high–frequency jet ventilation in major surgery] Kluge E, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):307–10 (Eng. Abstr.) **(Ger)**

[Use of the double–lumen tracheostomy tube (Tracheopart) in bronchial stump insufficiency in long–term artificial respiration. Case report] Rommelsheim K. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):270–2 (Eng. Abstr.) **(Ger)**

[Transesophageal echocardiography in the evaluation of hemodynamics in artificial respiration with positive end expiratory pressure] Schuster S, et al. **Med Klin** 1986 Jul 18;81(15–16):511–9 (Eng. Abstr.) **(Ger)**

[Transitory tetraplegia following high–pressure ventilation] König P, et al. **Wien Med Wochenschr** 1987 Feb 28; 137(4):93–6 (Eng. Abstr.) **(Ger)**

[CPAP with face mask in severe acute asthma. Description of a clinical case] Vilianis G, et al. **Minerva Anestesiol** 1986 Aug–Sep;52(8–9):281–4 (Eng. Abstr.) **(Ita)**

[Experimental and clinical study on pulmonary contusions. II. Early diagnosis of pulmonary contusion due to blunt chest injuries and therapy] Asai N. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar;13(1–2):58–73 (Eng. Abstr.) **(Jpn)**

[Respiratory changes in the obstructive sleep apnea syndrome during nasal continuous positive airway pressure] Hirai M, et al. **Kokyu To Junkan** 1987 May;35(5):509–13 **(Jpn)**

[The work of breathing and the load of respirators during intermittent mandatory ventilation] Onodera F, et al. **Kokyu To Junkan** 1987 May;35(5):569–76 (Eng. Abstr.) **(Jpn)**

[Respiratory and hemodynamic effects of positive end–expiratory pressure (PEEP) with increased intra–abdominal pressure] Inaba H, et al. **Masui** 1987 Feb; 36(2):179–87 (Eng. Abstr.) **(Jpn)**

[Effects of PEEP on myocardial blood flow and cardiovascular hemodynamics] Miyashita K, et al. **Masui** 1986 Jul;35(7):1051–6 (Eng. Abstr.) **(Jpn)**

[Cardiac ventriculography in dogs subjected to high frequency jet ventilation and intermittent positive pressure ventilation] Takaoka F, et al. **Rev Paul Med** 1986 Mar–Apr; 104(2):70–4 (Eng. Abstr.) **(Por)**

[O2 transport as a criterion of the efficacy of artificial pulmonary ventilation using positive end–expiratory pressure in traumatic shock patients] Aleksandrov VN, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):27–30 (Eng. Abstr.) **(Rus)**

[Effect of artificial pulmonary ventilation using intermittent positive and negative pressures in the pleural cavity on gas exchange efficiency in the isolated heart–lung preparation] Barinov EF, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**

[Pulmonary gas exchange and hemodynamics during intermittent positive ventilation of the lungs with positive end–expiratory pressure] Takhovrebov SV, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):28–30 (Eng. Abstr.) **(Rus)**

[Evaluation of the effect of excess intrapulmonary pressure on human respiratory function] Breslav IS, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):64–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Long–term follow–up of ventilator treated low birthweight infants. I. Chest X–ray, pulmonary mechanics, clinical lung disease and growth. Lindroth M, et al. **Acta Paediatr Scand** 1986 Sep;75(5):819–26

Long term effects of artificial ventilation in neonates. Riedel F. **Acta Paediatr Scand** 1987 Jan;76(1):24–9

Severe impairment in lung function induced by high peak airway pressure during mechanical ventilation. An experimental study. Kolobow T, et al.

Am Rev Respir Dis 1987 Feb;135(2):312–5
No involvement of antidiuretic hormone in acute antidiuresis during PEEP ventilation in humans. Payen DM, et al. **Anesthesiology** 1987 Jan;66(1):17–23
Changes in tracheobronchial width in bronchopulmonary dysplasia. A result of altered transmural pressures? Stöver B, et al. **Ann Radiol (Paris)** 1986;29(8):691–6
Changes in intrathoracic pressures induced by positive end-expiratory pressure ventilation after cardiac surgical procedures. Bonnet F, et al. **Ann Thorac Surg** 1986 Oct; 42(4):406–11
Disseminated intravascular coagulation (DIC) during long-term bypass: incidence and clinical relevance. Uziel L, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):542–5
Obstructive sleep apnea initiated by a lax epiglottis. A contraindication for continuous positive airway pressure. Andersen AP, et al. **Chest** 1987 Apr;91(4):621–3
Effect of mechanical ventilation and volume loading on left ventricular performance in premature infants with respiratory distress syndrome. Maayan C, et al. **Crit Care Med** 1986 Oct;14(10):858–60
Low voltage in a trauma victim. Hancock EW. **Hosp Pract [Off]** 1987 Sep 15;22(9):57, 60
Side effects of positive pressure ventilation on hepatic function and splanchnic circulation. Geiger K, et al. **Int J Clin Monit Comput** 1986;3(2):103–6
Thoracic duct lymph and PEEP studies in anaesthetized dogs. II. Effect of a thoracic duct fistula on the development of a hyponcotic–hydrostatic pulmonary oedema. Haider M, et al. **Intensive Care Med** 1987; 13(4):278–83
Tracheal and bronchial injury in high-frequency oscillatory ventilation compared with conventional positive pressure ventilation. Clark RH, et al. **J Pediatr** 1987 Jul;111(1):114–8
The role of alpha-atrial natriuretic peptide in fluid retention during mechanical ventilation with positive end-expiratory pressure. Pacher R, et al. **Klin Wochenschr** 1986;64 Suppl 6:64–7
[Hemodynamic changes induced by high-frequency jet ventilation. Experimental study in dogs] Silva CO, et al. **Arq Bras Cardiol** 1986 Oct;47(4):263–7 (Eng. Abstr.) **(Por)**

INSTRUMENTATION

Pressure characteristics of the Ambu CPAP system and the Servo ventilator 900C in CPAP mode. Zetterström H, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):104–10
Simple pressure monitor for CPAP systems. Damia G, et al. **Acute Care** 1985;11(3–4):205–7
Treatment of alveolar hypoventilation in a six-year-old girl with intermittent positive pressure ventilation through a nose mask. Ellis ER, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):188–91
Treatment of respiratory failure during sleep in patients with neuromuscular disease. Positive-pressure ventilation through a nose mask. Ellis ER, et al. **Am Rev Respir Dis** 1987 Jan;135(1):148–52
Nocturnal positive pressure ventilation via nasal mask. Kerby GR, et al. **Am Rev Respir Dis** 1987 Mar;135(3):738–40
Safety of a new system for continuous positive airway pressure [letter] Jenkins JG, et al. **Anaesthesia** 1986 Nov; 41(11):1155–6
Inappropriate attachment of PEEP valve causing total obstruction of ventilation bag [letter] Arellano R, et al. **Anesth Analg** 1987 Oct;66(10):1050–1
A foam cuff endotracheal tube T-piece system for use with nitrous oxide anesthesia. Greene SJ, et al. **Anesth Analg** 1986 Dec;65(12):1359–60
Dangers of using an improvised underwater seal for CPAP oxygenation during one-lung ventilation [letter] Cook CE, et al. **Anesthesiology** 1987 May;66(5):707–8
CPAP oxygenation during one-lung ventilation using a Bain circuit [letter] Scheller MS, et al. **Anesthesiology** 1987 May; 66(5):708–9
Assessment of a high frequency ventilator breathing system for use in the operating theatre. An experimental and clinical study. Sherry KM, et al. **Br J Anaesth** 1987 Apr; 59(4):510–7
Clinical applications of body ventilators. Hill NS. **Chest** 1986 Dec;90(6):897–905
Changes in tracheal cuff pressure during respiratory support. Badenhorst CH. **Crit Care Med** 1987 Apr;15(4):300–2
Intermittent mandatory ventilation systems [letter] Perel A. **Crit Care Med** 1987 Mar;15(3):281
Added inspiratory work of breathing during CPAP ventilation: comparison of two demand-valve devices with a continuous flow-system. Viale JP, et al. **Intensive Care Med** 1986;12(5):374–7
A phrenic nerve-actuated electronically controlled positive-pressure ventilator. Schertel ER, et al. **J Appl Physiol** 1987 May;62(5):2121–5
Pressure control to accommodate patient breathing efforts during volume ventilation. Stawitcke FA, et al. **J Clin Monit** 1987 Apr;3(2):101–15
A new use for adult face masks [letter] Kopelman AE, et al. **Pediatrics** 1978 Jan;61(1):162
[A multicenter trial of a device for treating obstructive sleep apnea by continuous positive pressure] Krieger J, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):393–7 (Eng. Abstr.) **(Fre)**
[A new CPAP system] Heinrichs W, et al. **Anaesthesist** 1986 Nov;35(11):693–6 (Eng. Abstr.) **(Ger)**
[Determination of cardiac output under PEEP-respiration with the "NCCOM 3" non-invasive bioimpedence monitor in comparison with the thermodilution method. A study in anesthetized dogs] Weber J, et al. **Anaesthesist** 1986 Dec; 35(12):744–7 (Eng. Abstr.) **(Ger)**
[ABS 800: expanding the possibilities of respiratory therapy] Wendt M, et al. **Anaesthesist** 1987 Feb;36(2):91–3 (Eng. Abstr.) **(Ger)**
[New transportable CPAP respiratory aid] Klinter D. **Rehabilitation (Stuttg)** 1987 May;26(2):96–8 (Eng. Abstr.) **(Ger)**
[Design of a new system of anesthetic ventilation for use in intermittent mandatory ventilation] Ortiz Melon F, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):26–9 (Eng. Abstr.) **(Spa)**

METHODS

Intermittent and continuous positive-pressure ventilation in the prophylaxis of endotoxin-induced lung insufficiency. A study in pigs. Borg T, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):67–72
Gas exchange in low-compression HFPPV is maintained at low distending pressures in the pig. Sjöstrand UH, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):417–22
Jet ventilation at 100 breaths per minute in adult respiratory failure. MacIntyre NR, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):897–901
Nocturnal positive pressure ventilation via a nasal mask [letter] Sullivan CE, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):791–2
Intermittent positive pressure ventilation with either positive end-expiratory pressure or high frequency jet ventilation (HFJV), or HFJV alone in human acute respiratory failure. Brichant JF, et al. **Anesth Analg** 1986 Nov;65(11):1135–42
Emergency one-lung high-frequency positive-pressure ventilation (HFPPV). Larsson S, et al. **Anesth Analg** 1987 May;66(5):471–4
High frequency ventilation [letter] Tamsma TJ. **Anesth Analg** 1987 Jun;66(6):585–6
Glossopharyngeal breathing and noninvasive aids in the management of post-polio respiratory insufficiency. Bach JR, et al. **Birth Defects** 1987;23(4):99–113
Mouth intermittent positive pressure ventilation in the management of postpolio respiratory insufficiency. Bach JR, et al. **Chest** 1987 Jun;91(6):859–64
Intermittent positive pressure ventilation via nasal access in the management of respiratory insufficiency. Bach JR, et al. **Chest** 1987 Jul;92(1):168–70
Mechanical cardiac support by synchronous, cardiac cycle-specific high-frequency jet ventilation. More than a matter of timing? [editorial] Matuschak GM, et al. **Chest** 1987 Jul;92(1):5–6
Traumatic respiratory insufficiency: comparison of conventional mechanical ventilation to high-frequency positive pressure with low-rate ventilation. Barzilay E, et al. **Crit Care Med** 1987 Feb;15(2):118–21
Titrating positive end-expiratory pressure therapy in patients with early, moderate arterial hypoxemia. Nelson LD, et al. **Crit Care Med** 1987 Jan;15(1):14–9
Airway pressure release ventilation. Stock MC, et al. **Crit Care Med** 1987 May;15(5):462–6
Practical aspects of differential ventilation with selective peep in acute respiratory failure. Hedenstierna G, et al. **Int J Clin Monit Comput** 1984;1(1):5–11
Management of end stage respiratory failure in Duchenne muscular dystrophy. Bach JR, et al. **Muscle Nerve** 1987 Feb;10(2):177–82
Alternative treatment to tracheostomy in obstructive sleep apnea syndrome: nasal continuous positive airway pressure in young children. Guilleminault C, et al. **Pediatrics** 1986 Nov;78(5):797–802
[High-frequency positive-pressure ventilation in tracheoplasty and bronchoplasty] Gao TH, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):301–2, 318 (Eng. Abstr.) **(Chi)**
[Indication of high frequency jet ventilation for respiratory failure] Konishi A. **Masui** 1987 Mar;36(3):402–9 (Eng. Abstr.) **(Jpn)**
[Jet ventilation in pediatric bronchoscopy] Casas Vila JI, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):134–7 (Eng. Abstr.) **(Spa)**
[A new technic for ventilatory support in pediatric anesthesia. Use of intermittent mandatory ventilation] Ortiz Melon F, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):30–5 (Eng. Abstr.) **(Spa)**

VETERINARY

High-frequency jet ventilation during pneumothorax in dogs. Bjorling DE, et al. **Am J Vet Res** 1986 Sep;47(9):1984–7

POSITIVE REINFORCEMENT see **REINFORCEMENT (PSYCHOLOGY)**

POSITRONS see **ELECTRONS**

POST AND CORE TECHNIC see under **CROWNS**

POST-TRANSCRIPTIONAL RNA MODIFICATION see **RNA PROCESSING, POST-TRANSCRIPTIONAL**

POST-TRANSLATIONAL PROTEIN MODIFICATION see **PROTEIN PROCESSING, POST-TRANSLATIONAL**

POST-TRAUMATIC STRESS DISORDERS see **STRESS DISORDERS, POST-TRAUMATIC**

POSTAGE STAMPS see **PHILATELY**

POSTAL SERVICE

Changes in electromyographic activity associated with occupational stress and poor performance in the workplace. Gomer FE, et al. **Hum Factors** 1987 Apr;29(2):131–43
Who responds to postal questionnaires? Cartwright A. **J Epidemiol Community Health** 1986 Sep;40(3):267–73
An outbreak of Q fever affecting postal workers in Oxfordshire. Winner SJ, et al. **J Infect** 1987 May; 14(3):255–61
[Evaluation of features of operators' work at post offices] Kuchma VR. **Gig Tr Prof Zabol** 1987 Jan;(1):13–7 (Eng. Abstr.) **(Rus)**
[Physiological and hygienic characteristics and optimization of the work of employees in post office branches] Pavlova LA. **Gig Tr Prof Zabol** 1987 May;(5):43–5 **(Rus)**

HISTORY

The Emmet F. Pearson Collection of Disinfected Mail. Davidson GW. **Caduceus** 1986 Spring;2(1):72–9

POSTCOITAL CONTRACEPTIVES see **CONTRACEPTIVES, POSTCOITAL**

POSTENCEPHALITIC PARKINSONISM see **PARKINSON DISEASE, POSTENCEPHALITIC**

POSTERIOR CERVICAL SYMPATHETIC SYNDROME see **BARRE-LIEOU SYNDROME**

POSTGASTRECTOMY SYNDROMES

Gluten enteropathy appearing after gastric surgery. Hedberg CA, et al. **Gastroenterology** 1966 Jun;50(6):796–804
[Nutritional deterioration following gastric resection] Moral MV, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr; 34(2):126–30 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Experimental carcinoma of the stomach in rats with chronic ulcers and following gastric surgery. Sherenesheva NI, et al. **Arch Geschwulstforsch** 1987;57(2):91–8

DIAGNOSIS

Early detection of gastric remnant carcinoma. The role of gastroscopic screening. Greene FL. **Arch Surg** 1987 Mar; 122(3):300–3

DRUG THERAPY

Double-blind crossover trial of prostaglandin E2 in postgastrectomy reflux gastritis. Nicolai JJ, et al. **Dig Dis Sci** 1986 Dec;31(12):1281–6

ETIOLOGY

Metabolic bone disease in asymptomatic men after partial gastrectomy with Billroth II anastomosis. Klein KB, et al. **Gastroenterology** 1987 Mar;92(3):608–16
Could alpha 1 antitrypsin deficiency have any role in the development of celiac sprue after gastric operations? Pons Romero F, et al. **J Clin Gastroenterol** 1986 Oct;8(5):559–61
Gastric emptying and postprandial symptoms after Billroth II resection. Smout AJ, et al. **Surgery** 1987 Jan;101(1):27–34
[Post total gastrectomy syndromes. An analysis of their frequency in relation to the adopted reconstructive technic] Samori G, et al. **Minerva Chir** 1986 Aug 31; 41(15–16):1295–303 (Eng. Abstr.) **(Ita)**

METABOLISM

[Metabolic consequences of total gastrectomy for cancer] Ricci E, et al. **Minerva Chir** 1986 Nov 15;41(21):1767–70 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Assessment of Campylobacter-like organisms in the postoperative stomach, iatrogenic gastritis, and chronic gastroduodenal diseases: preliminary observations. Gustavsson S, et al. **Mayo Clin Proc** 1987 Apr;62(4):265–8

PHYSIOPATHOLOGY

Effects of nutrients on gastrointestinal motility and gastric emptying after distal gastrectomy with Roux-Y gastrojejunostomy in dogs. Ehrlein HJ, et al. **Dig Dis Sci** 1987 May;32(5):538–46
Gastric emptying after Roux-Y and Billroth-I gastrectomy depends on viscosity of meal and contractile patterns of small intestine in dogs. Ehrlein HJ, et al. **Dig Dis Sci** 1987 May;32(5):529–37
Nutrient malassimilation after total gastrectomy and possible intervention. Armbrecht U, et al. **Digestion** 1987;37 Suppl 1:56–60
An insight into post-gastrectomy "alkaline reflux gastritis".

Bechi P, et al. **Ital J Surg Sci** 1986;16(2):85-92

[Acid-secretory function of the gastric stump in post-gastrectomy peptic ulcers of the jejunum] Bershadenko DD, et al. **Khirurgiia (Mosk)** 1987 Jan; (1):57-62 (Eng. Abstr.) **(Rus)**

[Early emptying disorders after gastrectomy] Dzhaubaev MO. **Vestn Khir** 1987 Mar;138(3):72-3 **(Rus)**

PREVENTION & CONTROL

New additional operation for the prevention of the gastric stasis after selective gastric vagotomy with antrectomy. Shiratori T, et al. **Tohoku J Exp Med** 1987 Jun; 152(2):187-96

[Alkaline gastritis. Physiopathology and prevention] Di Gesù G, et al. **Minerva Chir** 1987 Apr 30;42(8):683-90 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Roentgenographic diagnosis of conditions after gastric resection] Mersten A, et al. **Cesk Radiol** 1986 Nov; 40(6):412-20 (Eng. Abstr.) **(Slo)**

SURGERY

The uses and consequences of the Roux-en-Y operation. Hinder RA, et al. **Surg Annu** 1987;19:151-74 (81 ref.)

[Post-resection problems and their treatment] Georgijević A, et al. **Acta Chir Iugosl** 1986;33(1):95-102 (Eng. Abstr.) **(Ser)**

THERAPY

[Continuous enteral feeding of the gastrectomized patient with malnutrition] Hagège H, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan-Feb;23(1):3-9 (Eng. Abstr.) **(Fre)**

POSTIMPLANTATION PHASE

Uterine histoarchitecture during pre and post-implantation periods of rats treated with aqueous extract of Moringa oleifera Lam. Prakash AO, et al. **Acta Eur Fertil** 1987 Mar-Apr;18(2):129-35

Chimaerism of primordial germ cells in the early postimplantation mouse embryo following microsurgical grafting of posterior primitive streak cells in vitro. Copp AJ, et al. **J Embryol Exp Morphol** 1986 Jun;95:95-115

DRUG EFFECTS

Effects of cadmium on preimplantation and early postimplantation mouse embryos in vitro with special reference to their trophoblastic invasiveness. Yu HS, et al. **Pharmacol Toxicol** 1987 Feb;60(2):129-34

POSTMENOPAUSAL BONE LOSS see **OSTEOPOROSIS**

POSTMORTEM CHANGES

Post-mortem stability of progesterone in rat brain. Bixo M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep; 94(5):297-303

Postmortem wound dehiscence. A report of three cases. Biddinger PW. **Am J Forensic Med Pathol** 1987 Jun; 8(2):120-2

Postmortem red coloration of teeth. A retrospective investigation of 26 cases. Brøndum N, et al. **Am J Forensic Med Pathol** 1987 Jun;8(2):127-30

Postmortem orbital "hematoma", an artifact of eye globe donation [letter] Lawrence RD. **Am J Forensic Med Pathol** 1987 Mar;8(1):90

The prevalence of macular drusen in postmortem eyes [letter] Lewis H, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):801-3

Assessment of postmortem respiratory ciliary motility and ultrastructure. Lee RM, et al. **Am Rev Respir Dis** 1987 Aug;136(2):445-7

Comparison of epidural pressure in live anesthetized and post-mortem primates. Nusholtz GS, et al. **Aviat Space Environ Med** 1987 Jan;58(1):9-17

Postmortem changes in uric acid and ascorbic acid in human cerebral cortex tissues excised after cardiac death. Iriyama K, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):186-93

Post-mortem neurochemical changes in Alzheimer's disease compared with normal ageing. Rossor M, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):499-502

Adenosine receptors in post-mortem human cerebral cortex and the effect of carbamazepine. Dodd PR, et al. **Clin Exp Pharmacol Physiol** 1986 Oct;13(10):711-22

Fluorophotometric studies on postmortem changes in porcine corneal endothelial barrier functions. Spence D, et al. **Cornea** 1985-86;4(3):183-8

Autolytic changes of human white matter: an electron microscopic and electrophoretic study. Hukkanen V, et al. **Exp Mol Pathol** 1987 Feb;46(1):31-9

Age at death determinations for autopsied remains based on aspartic acid racemization in tooth dentin: importance of postmortem conditions. Masters PM. **Forensic Sci Int** 1986 Nov;32(3):179-84

Microbial production of hydroxy and oxo fatty acids by several microorganisms as a model of adipocere formation. Takatori T, et al. **Forensic Sci Int** 1986 Aug-Sep;32(1):5-11

The preservation and loss of various non-haematopoietic antigens in human post-mortem tissues as demonstrated by monoclonal antibody immunohistological staining. Knudsen LM, et al. **Histopathology** 1986 Oct; 10(10):1007-14

Substance P-inducing massive postmortem bronchoconstriction in guinea pig lungs. Lai YL, et al. **J Appl Physiol** 1987 Feb;62(2):746-51

Importance of postmortem changes in measurements of thyroid function in studies of sudden infant death syndrome. Wellby ML, et al. **J Clin Pathol** 1987 Jun; 40(6):631-2

Preservation of human tissue immersed for five years in fresh water of known temperature. Cotton GE, et al. **J Forensic Sci** 1987 Jul;32(4):1125-30

Missouri's lakes and the disposal of homicide victims. Dix JD. **J Forensic Sci** 1987 May;32(3):806-9

Postmortem pink teeth. Kirkham WR, et al. **J Forensic Sci** 1977 Jan;22(1):119-31

Vitreous humor chemistry: the use of potassium concentration for the prediction of the postmortem interval. Stephens RJ, et al. **J Forensic Sci** 1987 Mar;32(2):503-9

Postmortem changes in rat brain: studies on membrane-bound enzymes and receptors. Syapin PJ, et al. **J Neurochem** 1987 Apr;48(4):1285-90

Postmortem survival characteristics of rat glial cells in culture. Kennedy PG. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):798-800

Pitfalls in membrane binding sites studies in post-mortem human brain. Cash R, et al. **J Recept Res** 1987; 7(1-4):527-54

Fluid trapping in postmortem guinea pig lungs. Lai YL. **Lung** 1987;165(4):213-23

Postmortem changes in the enzymes of GABA and glutamate metabolism in the cerebellum and forebrain of newborn and adult rats. Bhargava HK, et al. **Neurochem Res** 1986 Oct;11(10):1473-8

Postmortem formation of carbon monoxide by bacteria. Shigezane J. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):111-8

Pyridoxal phosphate concentrations determined postmortem as an indication of antemortem vitamin B-6 status. Andon MB, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):285-90

Postmortem activity of the key enzymes of glycolysis. In rat brain regions in relation to time after death. Pla A, et al. **Z Rechtsmed** 1986;97(1):49-59

[Drugs as markers in identification. Detection of melperon (Buronil) in an adipoceratous corpse] Pollak S, et al. **Arch Kriminol** 1986 Jul-Aug;178(1-2):25-34 (Eng. Abstr.) **(Ger)**

[Postmortem cytokinetics of epidermal cells] Frasunek J, et al. **Beitr Gerichtl Med** 1986;44:321-4 (Eng. Abstr.) **(Ger)**

[Postmortem coagulation and fibrinolytic reaction mechanisms in draining blood] Gilg T, et al. **Beitr Gerichtl Med** 1986;44:399-405 (Eng. Abstr.) **(Ger)**

[Determination of the time of death--critical evaluation of methods] Henssge C. **Beitr Gerichtl Med** 1986;44:109-16 (Eng. Abstr.) **(Ger)**

[Studies of glucose metabolism in the cadaver] Kugler J, et al. **Beitr Gerichtl Med** 1986;44:185-8 (Eng. Abstr.) **(Ger)**

[Evaluation of postmortem CK isoenzyme activity as a parameter of myocardial damage] Kühnau HC, et al. **Beitr Gerichtl Med** 1986;44:497-502 (Eng. Abstr.) **(Ger)**

[Calor, rigor, livor and supravitality--rational use for cadavers] Madea B, et al. **Beitr Gerichtl Med** 1986; 44:117-22 (Eng. Abstr.) **(Ger)**

[Cadaveric alcohol] Nanikawa R. **Beitr Gerichtl Med** 1986; 44:215-8 (Eng. Abstr.) **(Ger)**

[Blood gas analysis in cadaveric blood--initial results] Oehmichen M, et al. **Beitr Gerichtl Med** 1986;44:189-92 (Eng. Abstr.) **(Ger)**

[Postmortem HLA typing of corneal transplantations] Duncker G, et al. **Fortschr Ophthalmol** 1987;84(3):247-8 (Eng. Abstr.) **(Ger)**

[Analysis of postmortem artifacts in the human vestibular apparatus] Klima A. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):172-5 (Eng. Abstr.) **(Ger)**

[Biochemical measurements of glucose metabolism in relation to cause of death and postmortem effects] Kernbach G, et al. **Z Rechtsmed** 1986;96(3):199-213 (Eng. Abstr.) **(Ger)**

[Putrefaction-induced changes in the concentration and temporal detectibility of carbon monoxide in cadaveric blood samples] Klöppel A, et al. **Z Rechtsmed** 1986; 97(2):105-9 (Eng. Abstr.) **(Ger)**

[Postmortem increase in potassium in the vitreous humor. Which parameters are suitable as indicators of antemortem agonal electrolyte imbalance?] Madea B, et al. **Z Rechtsmed** 1986;97(4):259-68 (Eng. Abstr.) **(Ger)**

[Postmortem transport of gastric contents?] Madea B, et al. **Z Rechtsmed** 1986;97(3):201-6 (Eng. Abstr.) **(Ger)**

[Sex determination of cadaver material by the detection of specific nucleotide sequences of the Y chromosome following DNA cleavage] Nowak R, et al. **Z Rechtsmed** 1986;97(1):21-8 (Eng. Abstr.) **(Ger)**

[Postmortem exsiccation of the fingertips--results of a systematic quantitative and qualitative experimental study] Weber W, et al. **Z Rechtsmed** 1986;96(4):279-89 (Eng. Abstr.) **(Ger)**

[Formation of sulfhemoglobin in the blood and skin caused by hydrogen sulfide poisoning and putrefaction of the cadaver] Adachi J, et al. **Nippon Hoigaku Zasshi** 1986 Jun; 40(3):316-22 (Eng. Abstr.) **(Jpn)**

[Medico-legal studies on the mechanism of the pink coloration of the teeth] Kato Y. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):299-307 (Eng. Abstr.) **(Jpn)**

[Studies of methemoglobin production in the blood of dead burn victims] Okada M, et al. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):124-8 (Eng. Abstr.) **(Jpn)**

[Methods of studying data from postmortem coronary radiography and their diagnostic reliability] Rozenberg VD. **Kardiologiia** 1986 Jul;26(7):121-4 (44 ref.) **(Rus)**

[Changes in the ethanol concentration of internal cadaveric organs in the early postmortem period] Gurochkin IuD. **Sud Med Ekspert** 1987 Jan-Mar;30(1):38-41 (Eng. Abstr.) **(Rus)**

[Establishment of the time of death by the dynamic postmortem changes in the formed elements of the blood] Kadiev BB. **Sud Med Ekspert** 1987 Jan-Mar;30(1):14-7 (Eng. Abstr.) **(Rus)**

[Dynamics of the electrical activity of the organs of experimental animals in the late postmortem period] Nedel'ko NF, et al. **Sud Med Ekspert** 1987 Jan-Mar; 30(1):12-4 (Eng. Abstr.) **(Rus)**

[Postmortem dynamics of the parameters of the acid-base state of the blood and fluid media of the eye] Shabashova II. **Sud Med Ekspert** 1986 Oct-Dec;29(4):20-3 (Eng. Abstr.) **(Rus)**

POSTNATAL CARE

Delivery of perinatal care in India: priorities and policies. Bhargava SK, et al. **Ann Trop Paediatr** 1986 Dec; 6(4):225-31

Appropriate technology following birth. **Lancet** 1986 Dec 13;2(8520):1387-8

Patient participation in alternative perinatal care: impact on satisfaction and health locus of control. Littlefield VM, et al. **Res Nurs Health** 1987 Jun;10(3):139-48

How to evaluate perinatal care. Bakketeig LS. **Scand J Soc Med** 1987;15(2):111-6

Reducing complications of perinatal care. Fletcher MA, et al. **Semin Perinatol** 1986 Jul;10(3):163-8

[Joint care of the neonate and the mother. Reminders on the rooming-in system] Janovský M, et al. **Cas Lek Cesk** 1986 Dec 12;125(50):1448-52 (Eng. Abstr.) **(Cze)**

ORGANIZATION & ADMINISTRATION

Establishment of an intermediate care ward for babies and mothers. Dear PR, et al. **Arch Dis Child** 1987 Jun; 62(6):597-600

POSTNIDATION PHASE see **POSTIMPLANTATION PHASE**

POSTOPERATIVE CARE

Oligosaccharides as an intravenous energy source in postsurgical patients: utilization when infused with glucose, amino acids, and lipid emulsion. Stegink LD, et al. **Am J Clin Nutr** 1987 Sep;46(3):461-6

Adjuvant chemoimmunotherapy after regional lymphadenectomy for malignant melanoma. Abdi EA, et al. **Am J Clin Oncol** 1987 Apr;10(2):117-22

A clean break: postop oral care. Freedman SD, et al. **Am J Nurs** 1987 Apr;87(4):474-5

Immediate postop prosthesis. Miller RA, et al. **Am J Nurs** 1987 Mar;87(3):310-1

Closed suction pelvic drainage after radical pelvic surgical procedures. Orr JW Jr, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):867-71

The effect of acetylcholine on early postoperative intraocular pressure. Hollands RH, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):749-53

Use of midazolam infusion for sedation following cardiac surgery. Westphal LM, et al. **Anesthesiology** 1987 Aug; 67(2):257-62

Bedside computers in the surgical intensive care unit. Seiver A, et al. **Angiology** 1987 Mar;38(3):248-52

Effect of radiotherapy on the outcome of pharyngeal reconstruction using free jejunal transfer. McCaffrey TV, et al. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):22-5

Duodenal ulcer perforation: the effect of H2 antagonists? Gillen P, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):240-2

Suppression of shivering decreases oxygen consumption and improves hemodynamic stability during postoperative rewarming. Zwischenberger JB, et al. **Ann Thorac Surg** 1987 Apr;43(4):428-31

Is it necessary to irradiate the breast after conservative surgery for localized cancer? Ghossein NA, et al. **Arch Surg** 1987 Aug;122(8):913-7

Pyloric stenosis--a timed perspective. Golladay ES, et al. **Arch Surg** 1987 Jul;122(7):825-6

Midazolam sedation following open heart surgery. Mathews HM, et al. **Br J Anaesth** 1987 May;59(5):557-60

Anaesthesia for patients with cardiac disease. Postoperative care. Anderson WG. **Br J Hosp Med** 1987 May;37(5):411, 414-8

Postoperative management of patients who undergo aortic surgery. Callow AD. **Can J Surg** 1987 Jul;30(4):242-4

Nursing management of the postoperative cardiac surgical patient in the critical care unit. Ng L, et al. **Cardiovasc Clin** 1986;16(3):211-33

Impact of an intermediate care area on ICU utilization after cardiac surgery. Byrick RJ, et al. **Crit Care Med** 1986 Oct;

14(10):869–72
Intra- and postoperative use of albumin. Clinical indications and results. Boutros A.
Curr Stud Hematol Blood Transfus 1986;(53):180–5
Drug use in a surgical intensive care unit. Dasta JF.
Drug Intell Clin Pharm 1986 Oct;20(10):752–6
Postoperative care of hand injuries. Landers AF, et al.
Hand Clin 1986 Aug;2(3):585–91
Profile of patients requiring the use of epicardial pacing wires after coronary artery bypass surgery. Vitello-Cicciu JM, et al. **Heart Lung** 1987 May;16(3):301–5
Prevention of heterotopic bone formation in high-risk patients by postoperative irradiation. Evarts CM, et al.
Hip 1987;:70–83
Surgical sustenance [editorial] Antia FP.
Indian J Gastroenterol 1987 Jul;6(3):133–4
Total parenteral nutrition in critically ill surgical patients: fixed vs tailored caloric replacement. van Lanschot JJ, et al. **Intensive Care Med** 1987;13(1):46–51
Use of a venous assist device after repair of complex lesions of the right heart. Milliken JC, et al.
J Am Coll Cardiol 1986 Oct;8(4):922–9
Postoperative enteral hyperalimentation for cryptosporidial acute cholecystitis associated with AIDS and enteritis. Moss G, et al. **J Am Coll Nutr** 1987 Aug;6(4):351–3
Stopping and restarting medications in the perioperative period. Cygan R, et al. **J Gen Intern Med** 1987 Jul–Aug; 2(4):270–83 (97 ref.)
Statistical analysis of clinicopathological features, radiotherapy, and survival in 170 cases of oligodendroglioma. Lindegaard KF, et al. **J Neurosurg** 1987 Aug;67(2):224–30
Changes in the body composition of the surgical infant in the early postoperative period. Winthrop AL, et al.
J Pediatr Surg 1987 Jun;22(6):546–9
Postoperative parenteral nutrition with high supply of branched-chain amino acids: effects on nitrogen balance and liver protein synthesis. Kirveli O, et al.
JPEN J Parenter Enteral Nutr 1986 Nov–Dec;10(6):574–7
Double-blind study of glycerol vs glucose in parenteral nutrition of postsurgical insulin-treated diabetic patients. Lev-Ran A, et al. **JPEN J Parenter Enteral Nutr** 1987 May–Jun;11(3):271–4
Protein synthesis in skeletal muscle in relation to nitrogen balance after abdominal surgery: the effect of total parenteral nutrition. Wernerman J, et al.
JPEN J Parenter Enteral Nutr 1986 Nov–Dec;10(6):578–82
Adjusting the dose of 5-fluorouracil after filtration surgery to minimize side effects. Weinreb RN. **Ophthalmology** 1987 May;94(5):564–70
Comparison of two continuous passive motion protocols for patients with total knee implants [published erratum appears in Phys Ther 1987 Jun;67(6):979] Basso DM, et al. **Phys Ther** 1987 Mar;67(3):360–3
Continuous passive motion in the postoperative treatment of patients with total knee replacement. A retrospective study. Gose JC. **Phys Ther** 1987 Jan;67(1):39–42
Clinical considerations of cardiac transplantation in organ transplantation: preoperative and postoperative evaluation. Andreone PA, et al. **Radiol Clin North Am** 1987 Mar; 25(2):357–66 (47 ref.)
Needle-catheter jejunostomy for postoperative nutritional support. Strickland GF, et al. **South Med J** 1986 Nov; 79(11):1389–92
A prospective randomized study of continuous peritoneal lavage postoperatively in the treatment of purulent peritonitis. Hallerbäck B, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):433–6
Muscle amino acid flux in patients receiving branched-chain amino acid solutions after surgery. Bonau RA, et al.
Surgery 1987 Apr;101(4):400–7
[Our experience with the monitored cyclosporin A treatment of kidney transplant patients] Beleva B, et al.
Khirurgiia (Sofiia) 1987;40(3):66–70 (Eng. Abstr.) **(Bul)**
[The value of post-operative radiotherapy of glioma of the brain (with an analysis of 119 cases)] Yang TN.
Chung Hua Fang She Hsueh Tsa Chih 1986 Jun;20(3):159–61 (Eng. Abstr.) **(Chi)**
[Postoperative radiotherapy of craniopharyngioma] Zhang YL. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec; 20(6):377–9 (Eng. Abstr.) **(Chi)**
[Nursing care of patients with hemorrhagic necrotizing pancreatitis treated by the "dish-opening" procedure]Bao MZ. **Chung Hua Hu Li Tsa Chih** 1987 Jan;22(1):1–3, 45 **(Chi)**
[Analysis of mediastinopericardial fluid drainage after open-heart surgery] Jiang GH.
Chung Hua Hu Li Tsa Chih 1987 Mar;22(3):106–8 **(Chi)**
[Postoperative care of low-birth-weight infants] Jiang XX, et al. **Chung Hua Hu Li Tsa Chih** 1986 Nov;21(8):343–5 **(Chi)**
[Nursing of patient having undergone pancreas allotransplantation] Jin GX.
Chung Hua Hu Li Tsa Chih 1986 Nov;21(8):354–6 **(Chi)**
[Lymph drainage via the thoracic duct in patients undergoing renal transplantation: pre- and postoperative nursing care] Li QS. **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):215–6 **(Chi)**
[Dietary nursing for post-operative patients] Lu L.
Chung Hua Hu Li Tsa Chih 1987 Jan;22(1):19–20 **(Chi)**
[Nursing of patients with thromboangiitis obliterans treated by free omentum transplants] Wang GY, et al.
Chung Hua Hu Li Tsa Chih 1986 Dec;21(9):398–9 **(Chi)**
[Patients without a nasogastric tube after esophago-gastrostomy] Wang GZ.
Chung Hua Hu Li Tsa Chih 1986 Oct;21(7):306–7 **(Chi)**
[Care of patients undergoing transplantation of the greater omentum pedicle to the spinal cord] Wang LJ.
Chung Hua Hu Li Tsa Chih 1987 Feb;22(2):57–9 **(Chi)**
[Nursing of patients after the redressment of the single cardioventricle] Wang YR, et al.
Chung Hua Hu Li Tsa Chih 1986 Nov;21(8):352–3 **(Chi)**
[Instructions for patients in self-care after laryngectomy] Xu ML, et al. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):265–6 **(Chi)**
[Pré and postoperative care of children detected by right cardiac catheterization] Yi H.
Chung Hua Hu Li Tsa Chih 1986 Nov;21(8):346–7 **(Chi)**
[Care of patients with adrenal medulla tissue implanted into the caudate nucleus] Yi SY.
Chung Hua Hu Li Tsa Chih 1987 Mar;22(3):105–6 **(Chi)**
[Postoperative care of children with contracture of the gluteal muscles] Zhang CL.
Chung Hua Hu Li Tsa Chih 1986 Nov;21(8):341–2 **(Chi)**
[Nursing care of patients with whole-piece and full-thickness facial skin grafts] Zhou YS, et al.
Chung Hua Hu Li Tsa Chih 1986 Oct;21(7):310 **(Chi)**
[Postoperative lavage in diffuse peritonitis] Fischer J, et al.
Rozhl Chir 1986 Jul;65(7):465–71 (Eng. Abstr.) **(Cze)**
[Rehabilitation after reconstructive surgery of the ligaments of the knee joint] Zeman M. **Rozhl Chir** 1986 Aug; 65(8–9):561–6 (Eng. Abstr.) **(Cze)**
[Our postoperative care and surveillance in surgery of stable sequelae of chronic otitis] Basset JM, et al.
Ann Otolaryngol Chir Cervicofac 1986;103(7):509–13 (Eng. Abstr.) **(Fre)**
[Physical therapy management after knee arthrotomies] Fritzsche G, et al. **Beitr Orthop Traumatol** 1986 Oct; 33(10):469–74 (Eng. Abstr.) **(Ger)**
[Antithrombotic treatment following aortocoronary bypass operation] Schmitz-Huebner U, et al.
Dtsch Med Wochenschr 1987 Apr 17;112(16):646–8 (9 ref.) **(Ger)**
[Postoperative low-calorie parenteral feeding] Weiner R, et al. **Zentralbl Chir** 1987;112(8):473–84 (Eng. Abstr.) **(Ger)**
[Continuous passive motion—a new concept in orthopedic surgery] Patish H, et al. **Harefuah** 1986 Jun 15; 110(12):598–600 (Eng. Abstr.) **(Heb)**
[Problems and controversies in the management of the perineal cavity after amputation of the rectum by the Miles abdomino-perineal method for carcinoma] Dell'Isola C, et al. **Minerva Chir** 1987 Mar 31;42(6):465–7 (Eng. Abstr.) **(Ita)**
[Adjuvant chemotherapy of colorectal cancer—results of prospective randomized trials] Hojo K, et al.
Gan To Kagaku Ryoho 1986 Oct;13(10):3063–73 (Eng. Abstr.) **(Jpn)**
[Respiratory care for pulmonary resection in geriatric patients with bronchogenic carcinoma] Kikuchi K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3114–8 (Eng. Abstr.) **(Jpn)**
[Combination therapy with lentinan, mitomycin c, 5-fluorouracil and radiation—a case of long-term survival of pancreas cancer after palliative surgery] Kunitomo K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1342–4 **(Jpn)**
[Colostomy and stoma rehabilitation] Moriya Y.
Gan To Kagaku Ryoho 1986 Oct;13(11):3127–34 (Eng. Abstr.) **(Jpn)**
[A multi-institutional study on postoperative adjuvant immunochemotherapy of gastric cancer (II)] Tamada R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):716–22 (Eng. Abstr.) **(Jpn)**
[Absorption of 5-FU orally administered in a patient with postoperative gastric cancer under artificial dialysis] Tamura J, et al. **Gan To Kagaku Ryoho** 1987 Sep; 14(9):2771–4 (Eng. Abstr.) **(Jpn)**
[A pre- and post-operative clinical study in three patients with benign prostatic hypertrophy and implicated chronic renal failure] Hirano S, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1105–12 (Eng. Abstr.) **(Jpn)**
[Usefulness of continuous measuring of mixed venous oxygen saturation (SVO2) in cardiac surgery] Kuwabara M, et al. **Kyobu Geka** 1986 Sep;39(9):686–9 (Eng. Abstr.) **(Jpn)**
[Endotracheal intubation and postoperative maintenance of the airways in a patient with thyroid carcinoma] Abe H, et al. **Masui** 1986 Jun;35(6):974–7 (Eng. Abstr.) **(Jpn)**
[Anesthesia and post-operative care in surgery of aortic dissection—report of 28 cases] Yamanoue T, et al.
Masui 1987 Feb;36(2):204–9 (Eng. Abstr.) **(Jpn)**
[Postoperative neutron irradiation in patients with primary lung cancer] Masuda H, et al.
Nippon Gan Chiryo Gakkai Shi 1987 Feb 20;22(1):10–6 (Eng. Abstr.) **(Jpn)**
[Is it necessary to administer hemostatic medicines after surgical operation? The results of questionnaires about the use of hemostatic medicines in Japan] Ojiro M, et al.
Nippon Geka Gakkai Zasshi 1986 Dec;87(12):1503–10 (Eng. Abstr.) **(Jpn)**
[Application of diaphragm pacing in two postoperative lung cancer patients] Kido T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1987 Feb;35(2):260–3 (Eng. Abstr.) **(Jpn)**
[Mixtures for enteral feeding in surgery of gastrointestinal tract (review of the literature)] Tsatsanidi KN, et al.
Khirurgiia (Mosk) 1987 Mar;(3):119–30 (116 ref.) **(Rus)**
[Indications for hemosorption and its effectiveness following embolectomy of the major arteries of the extremities] Sergeeva NA, et al. **Klin Med (Mosk)** 1986 Oct;64(10):72–6 **(Rus)**
[Effectiveness of the dispensary care of patients operated on for acquired heart defects] Bendet IaA, et al.
Vrach Delo 1987 Jul;(7):105–8 **(Rus)**

METHODS

An up-to-date method of early postoperative enteral feeding. Bodoky G, et al. **Acta Paediatr Hung** 1987;28(1):51–7
Management of increased intraocular pressure after cataract extraction [published erratum appears in Am J Ophthalmol 1987 Aug 15;104(2):195] Ruiz RS, et al.
Am J Ophthalmol 1987 Apr 15;103(4):487–91
Postoperative colonic decompression: eight years' experience of a new technique. Rickett JW, et al.
Ann R Coll Surg Engl 1986 Jul;68(4):211–3
A new technique to maintain closed-suction drainage catheter function. Wackym PA, et al.
Arch Otolaryngol Head Neck Surg 1987 Jan;113(1):57–8
Propofol infusion for sedation in the intensive care unit: preliminary report. Grounds RM, et al. **Br Med J** 1987 Feb 14;294(6569):397–400
Rectal carcinoma: a new technique to allow safer postoperative irradiation of the pelvis. Allen PI, et al.
Eur J Surg Oncol 1987 Feb;13(1):21–5
Effect of chest tube management on drainage after cardiac surgery. Duncan CR, et al. **Heart Lung** 1987 Jan;16(1):1–9
Nursing perspectives for the patient receiving postoperative ventricular assistance in the critical care unit. Mulford E.
Heart Lung 1987 May;16(3):246–57 (16 ref.)
Differences in postsuctioning arterial blood oxygen concentration values using two postoxygenation methods. Pierce JB, et al. **Heart Lung** 1987 Jan;16(1):34–8
Relationship of core temperature at time of blanket removal to subsequent core temperature in patients immediately after coronary artery bypass. Rafalowski MM.
Heart Lung 1987 Jan;16(1):9–13
The prevention of heterotopic ossification in high-risk patients by low-dose radiation therapy after total hip arthroplasty. Ayers DC, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1423–30
Adolescent idiopathic thoracic scoliosis. A prospective trial with and without bracing during postoperative care. Christodoulou AG, et al. **J Bone Joint Surg [Br]** 1987 Jan; 69(1):13–6
Assessing the efficacy of intravenous nutrition in general surgical patients: dynamic nutritional assessment with plasma proteins. Church JM, et al.
JPEN J Parenter Enteral Nutr 1987 Mar–Apr;11(2):135–9
Method for evaluating utilization of infused oligosaccharides in postsurgical patients. Stegink LD, et al.
JPEN J Parenter Enteral Nutr 1987 Mar–Apr;11(2):124–8
Postoperative radiation therapy in the management of lung cancer. Emami B, et al. **Radiology** 1987 Jul;164(1):251–3
Postoperative radiotherapy of carcinoma in bilharzial bladder using a three-fractions per day regimen. Zaghloul MS, et al. **Radiother Oncol** 1986 Aug;6(4):257–65
[Wisdom tooth problems (letter)] Elias BA.
Ned Tijdschr Geneeskd 1987 Apr 25;131(17):740 **(Dut)**
[Preoperative preparation and postoperative monitoring of a patient with hereditary angioneurotic edema] Joris J, et al. **Ann Fr Anesth Reanim** 1986;5(3):312–4 (Eng. Abstr.) **(Fre)**
[Results of functional aftercare following surgically treated ruptures of the outer ligaments. A comparative study of aftercare by a lower leg walking cast or the Dr. Spring special shoe] Wolff J, et al. **Aktuel Traumatol** 1986 Oct; 16(5):196–202 (Eng. Abstr.) **(Ger)**
[Clinical studies of parenteral feeding using the peripheral veins. Effect of a 3.5 percent amino acid solution on postoperative metabolism with special reference to amino acid balance] Dölp R, et al.
Beitr Infusionther Klin Ernahr 1986;16:64–76 **(Ger)**
[Uprighting and gap closure of the remaining cleft-adjacent teeth following autologous spongiosa transplantation in cheilognathopalatoschisis] Scheer P.
Fortschr Kieferorthop 1986 Oct;47(5):495–508 **(Ger)**
[Effect of L-carnitine on post-stress metabolism in surgical patients] Heller W, et al. **Infusionsther Klin Ernahr** 1986 Dec;13(6):268–76 (Eng. Abstr.) **(Ger)**
[How do I manage the composite graft intra- and postoperatively?] Walter C.
Laryngol Rhinol Otol (Stuttg) 1987 May;66(5):290 **(Ger)**
[Value of passive postoperative mobilization treatment following knee joint synovectomy in chronic polyarthritis] Refior HJ, et al. **Z Orthop** 1986 Sep–Oct;124(5):646–9 (Eng. Abstr.) **(Ger)**
[Postoperative management of total pancreatectomy] Nagakawa T, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(11):3119–26 (Eng. Abstr.) **(Jpn)**
[Postoperative respiratory care in congenital heart disease with pulmonary hypertension—continuous muscle relaxation therapy] Ishi K, et al. **Kyobu Geka** 1986 Nov; 39(11):880–9 (Eng. Abstr.) **(Jpn)**
[Salpingostomy operation and direct electrostimulation of the uterine tubes postoperatively] Shcherbinov AE, et al.
Akush Ginekol (Mosk) 1986 Nov;(11):61–4 (Eng. Abstr.) **(Rus)**

[Sensorimetry in assessing the effectiveness and prognosis of the efficacy of postoperative epidural analgesia with morphine] Vitenbek IA, et al. **Anesteziol Reanimatol** 1987 Mar-Apr;(2):58-61 (Eng. Abstr.) **(Rus)**

[Parenteral feeding after operations on the organs of the abdominal cavity] Terekhov NT. **Klin Khir** 1987;(3):16-8 (Eng. Abstr.) **(Rus)**

[Early peroral feeding of patients after gastric resection] Val'ter VG, et al. **Vestn Khir** 1987 Jan;138(1):23-7 (Eng. Abstr.) **(Rus)**

[Archman health resort factors in the rehabilitative treatment following cholecystectomy] Khodzhakuliev GK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep-Oct;(5):55-6 **(Rus)**

[Medical gymnastics in operations on the stomach in the middle-aged and elderly] Marinchenko AL. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul-Aug;(4):12-4 (Eng. Abstr.) **(Rus)**

[Enteral feeding of patients with surgical diseases of the digestive tract using the Soviet balanced food mixture Inpitan] Sysoev IuA, et al. **Vopr Pitan** 1987 May-Jun; (3):19-24 (Eng. Abstr.) **(Rus)**

VETERINARY

Technique and postoperative management for successful cardiopulmonary bypass and open-heart surgery in dogs. Klement P, et al. **J Am Vet Med Assoc** 1987 Apr 1; 190(7):869-74

POSTOPERATIVE COMPLICATIONS

Technical complications and related reoperations after gastric banding. Granström L, et al. **Acta Chir Scand** 1987 Mar; 153(3):215-20

Extra-anatomical bypass formation and exclusion of thoracic aortic aneurysms by "paired clamp method": the development of hind leg paralysis, the thrombus formation and the pressure ratio between the excluded cavity and the aorta. Imawaki S. **Acta Med Okayama** 1987 Jun; 41(3):105-16

Pneumocephalus and tension pneumocephalus after posterior fossa surgery in the sitting position: a prospective study. Di Lorenzo N, et al. **Acta Neurochir (Wien)** 1986; 83(3-4):112-5

Musculocutaneous nerve injury after coracoid process transfer for clavicle instability. Report of three cases. Caspi I, et al. **Acta Orthop Scand** 1987 Jun;58(3):294-5

Femoral fracture following hip arthroplasty. Fredin HO, et al. **Acta Orthop Scand** 1987 Feb;58(1):20-2

Pressure sores common after hip operations. Jensen TT, et al. **Acta Orthop Scand** 1987 Jun;58(3):209-11

Hyponatraemia in premature babies and following surgery in older children. Judd BA, et al. **Acta Paediatr Scand** 1987 May;76(3):385-93

Intrahepatic bile duct injury following bone marrow transplantation. Analysis of pathological features based on three-dimensional and histochemical observation. Tanaka M, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1793-806

Post-transplant acute renal failure. Touraine JL, et al. **Adv Exp Med Biol** 1987;212:205-10

Gas bubbles in polymethylmethacrylate cranioplasty simulating abscesses: CT appearance. Mason TO, et al. **AJNR** 1986 Sep-Oct;7(5):829-31

Ringlike rectal ulcers after biopsy or polypectomy. Lev-Toaff AS, et al. **AJR** 1987 Feb;148(2):285-6

Late-onset unprecedented complete atrioventricular block after tetralogy of Fallot repair: electrophysiologic findings. Karpawich PP, et al. **Am Heart J** 1987 Sep;114(3):654-6

Postoperative hypertension after repair of coarctation of aorta in children: protective effect of propranolol? Leenen FH, et al. **Am Heart J** 1987 May;113(5):1164-73

Electrophysiologic drug testing in symptomatic ventricular arrhythmias after repair of tetralogy of Fallot. Deal BJ, et al. **Am J Cardiol** 1987 Jun 1;59(15):1380-5

Usefulness of intravenous propafenone for control of postoperative junctional ectopic tachycardia. Garson A Jr, et al. **Am J Cardiol** 1987 Jun 1;59(15):1422-4

Tricuspid regurgitation by Doppler echocardiography after orthotopic cardiac transplantation. Lewen MK, et al. **Am J Cardiol** 1987 Jun 1;59(15):1371-4

Mitral regurgitation after cardiac transplantation. Stevenson LW, et al. **Am J Cardiol** 1987 Jul 1;60(1):119-22

Left coronary artery to right ventricular fistula after total repair for tetralogy of Fallot. Swensson RE, et al. **Am J Cardiol** 1987 Mar 1;59(6):713-4

Neurologic sequelae of cardiac surgery in children. Ferry PC. **Am J Dis Child** 1987 Mar;141(3):309-12 (39 ref.)

Chronic parietal cell dysfunction after reversal of gastric bypass. Crowley LV. **Am J Gastroenterol** 1986 Dec; 81(12):1188-90

Complications of bone marrow transplantation. Tutschka PJ. **Am J Med Sci** 1987 Aug;294(2):86-90 (33 ref.)

Ureteral obstruction as a complication of the Burch colposuspension procedure: case report. Applegate GB, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):445

Nerve entrapment after Pfannenstiel incision. Sippo WC, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):420-1

Blepharoptosis after radial keratotomy. Carroll RP, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):800

Anterior segment ischemia after strabismus surgery in a child. Elsas FJ, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):833-4

Serious corneal complications of glaucoma filtering surgery with postoperative 5-fluorouracil. Knapp A, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):183-7

Relaxing incisions with augmentation sutures for the correction of postkeratoplasty astigmatism. Mandel MR, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):441-7

Mooren's ulcer after penetrating keratoplasty. Mondino BJ, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):53-6

Interface hematoma after epikeratophakia. Stangler RA, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):328-9

A medicolegal case of acoustic neuroma surgery. Rose RM. **Am J Otol** 1986 Sep;7(5):387-92

Postoperative deep venous thrombosis and pulmonary embolism: diagnosis, management, and prevention. Seiden AM, et al. **Am J Otol** 1986 Sep;7(5):377-83 (17 ref.)

Postinflammatory acquired atresia of the external auditory canal: late results of surgery. Tos M, et al. **Am J Otol** 1986 Sep;7(5):365-70

Complications of loop ileostomy. Feinberg SM, et al. **Am J Surg** 1987 Jan;153(1):102-7

Risk of biliary surgery in patients with hyperbilirubinemia. Pellegrini CA, et al. **Am J Surg** 1987 Jul;154(1):111-7

Unilateral hepatic duct obstruction. ReMine SG, et al. **Am J Surg** 1987 Jan;153(1):86-90

Prevention of postoperative neurologic deficits after carotid endarterectomy. Is platelet inhibition beneficial? Rosenthal D, et al. **Am Surg** 1987 Jun;53(6):329-32

Complications of biliary surgery. Scher KS, et al. **Am Surg** 1987 Jan;53(1):16-21

Pericardial and subcutaneous air after maxillary surgery. Sanford TJ Jr, et al. **Anesth Analg** 1987 Mar;66(3):277-9

Clinical significance of perioperative T-wave inversion [letter] Jain U. **Anesthesiology** 1986 Nov;65(5):561-2

Common peroneal nerve palsy associated with the fabella syndrome. Kubota Y, et al. **Anesthesiology** 1986 Nov; 65(5):552-3

Postoperative apnea in preterm infants. Kurth CD, et al. **Anesthesiology** 1987 Apr;66(4):483-8

Role of nitrous oxide and other factors in postoperative nausea and vomiting: a randomized and blinded prospective study. Muir JJ, et al. **Anesthesiology** 1987 Apr;66(4):513-8

Arteriointestinal fistula: report of a case following surgery for trauma. Dorazio RA. **Angiology** 1975 Jul-Aug; 26(7):567-8

Risk of gastric stump carcinoma after gastric resection for benign ulcer disease. Ovaska JT, et al. **Ann Chir Gynaecol** 1986;75(4):192-5

Acute frontal sinusitis after lacrimal surgery. Wesley RE, et al. **Ann Ophthalmol** 1986 Dec;18(12):350-3

Upper eyelid retraction in long-standing anophthalmic sockets. Zolli CI. **Ann Ophthalmol** 1983 Jul;15(7):621-4

Toxic shock syndrome after augmentation mammaplasty. Giesecke J, et al. **Ann Plast Surg** 1986 Dec;17(6):532-3

The value of routine preoperative investigations. McKee RF, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):160-2

Gastrointestinal anastomoses. Factors affecting early complications. Jex RK, et al. **Ann Surg** 1987 Aug; 206(2):138-41

Recurrent ulceration and colopericardial fistula as late complications of colon interposition. Isolauri J, et al. **Ann Thorac Surg** 1987 Jul;44(1):84-5

Risk factors for the development of renal failure following the surgical treatment of traumatic aortic rupture. Sturm JT, et al. **Ann Thorac Surg** 1987 Apr;43(4):425-7

Incarcerated parahiatal hernia with gastric necrosis. Vallieres E, et al. **Ann Thorac Surg** 1987 Jul;44(1):82-3

Bile acid-mediated postcholecystectomy diarrhea. Arlow FL, et al. **Arch Intern Med** 1987 Jul;147(7):1327-9

Cardiac risk in noncardiac surgical procedures [letter] Hochman H, et al. **Arch Intern Med** 1987 May;147(5):1001, 1004

Ptosis following refractive corneal surgery. Case report. Bonham RD, et al. **Arch Ophthalmol** 1987 Jan;105(1):25

Cystoid macular edema following corneal-relaxing incisions. Carter J, et al. **Arch Ophthalmol** 1987 Jan;105(1):70-2

Retinal detachment following penetrating keratoplasty. Musch DC, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1617-20

Surgery for refractory glaucoma. Results and complications with a modified Schocket technique. Sherwood MB, et al. **Arch Ophthalmol** 1987 Apr;105(4):562-9

Candida albicans endophthalmitis following penetrating keratoplasty [letter] Weiss JL, et al. **Arch Ophthalmol** 1987 Feb;105(2):173

Recurrent shoulder dislocation and screw failure after the Bristow-Latarjet procedure. A case report. Strömqvist B, et al. **Arch Orthop Trauma Surg** 1987;106(4):260-2

Complications of the external (combination) rhinoplasty approach. Burgess LP, et al. **Arch Otolaryngol Head Neck Surg** 1986 Oct;112(10):1064-8

Postoperative hypertension associated with radical neck dissection. McGuirt WF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct; 113(10):1098-100

Rhabdomyolysis in the patient undergoing head and neck surgery. Porto DP, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):615-6

Complications in gastric bypass [letter] Brannegan RT. **Arch Phys Med Rehabil** 1987 Aug;68(8):526

Early local complications from intestinal stomas [letter] **Arch Surg** 1987 Jan;122(1):119-20

Treatment of caustic sclerosing cholangitis [letter] Alper A, et al. **Arch Surg** 1987 Aug;122(8):957

Sigmoid intramural pH for prediction of ischemic colitis during aortic surgery. A comparison with risk factors and inferior mesenteric artery stump pressures. Schiedler MG, et al. **Arch Surg** 1987 Aug;122(8):881-6

The management of early in situ saphenous vein bypass occlusions. Shoenfeld NA, et al. **Arch Surg** 1987 Aug; 122(8):871-5

Gastrointestinal complications after cardiac surgery. Welling RE, et al. **Arch Surg** 1986 Oct;121(10):1178-80

Lateral substitution over the top (LSOT) repair slipped into the lateral compartment. Bauer M, et al. **Arthroscopy** 1987; 3(2):127-8

Persistent symptoms after peripheral iridectomy for angle-closure glaucoma. Lowe RF. **Aust N Z J Ophthalmol** 1987 Feb;15(1):83-7

Red blood cell T-activation and hemolysis in surgical intensive care patients with severe infections. Lenz G, et al. **Blut** 1987 Feb;54(2):89-96

Dilution and hemolysis causing anaemia after artificial heart implantation. Stenke L, et al. **Blut** 1987 Feb;54(2):127-8

Obstruction of the central pulmonary artery after shunt operations in patients with pulmonary atresia. Momma K, et al. **Br Heart J** 1987 Jun;57(6):534-42

Pelvic complications after excision of the rectum. Avill R, et al. **Br J Clin Pract** 1986 May;40(5):217-8

Anaesthesia and liver disease. McEvedy BA, et al. **Br J Hosp Med** 1986 Jul;36(1):26-8, 30-2, 34

Hearts and minds: how big is the risk of coronary surgery? [editorial] Treasure T. **Br J Hosp Med** 1987 Jan;37(1):9

Day case laparoscopic sterilization--time for a rethink? Thomas H, et al. **Br J Obstet Gynaecol** 1987 May; 94(5):445-8

Modern cataract surgery in a highly myopic population. Gross KA, et al. **Br J Ophthalmol** 1987 Mar;71(3):215-9

Effect of age on visual acuity after cataract extraction. Jay JL, et al. **Br J Ophthalmol** 1987 Feb;71(2):112-5

Morbidity in the forearm flap donor arm. Boorman JG, et al. **Br J Plast Surg** 1987 Mar;40(2):207-12

Brachial plexus cord compression by the tendon of a pedicled latissimus dorsi flap. Freedlander E. **Br J Plast Surg** 1986 Oct;39(4):514-5

Survival of a free musculocutaneous flap after early loss of arterial blood supply. Rath T, et al. **Br J Plast Surg** 1986 Oct;39(4):530-2

The significance of incomplete excision in patients with basal cell carcinoma. Richmond JD, et al. **Br J Plast Surg** 1987 Jan;40(1):63-7

Magnetic resonance imaging of syringomyelia occurring after operation on spinal intramedullary tumors by Cavitron ultrasonic aspirator. Avrahami E, et al. **Br J Radiol** 1987 Jul;60(715):701-2

False and true aneurysms of the renal artery after kidney transplantation. A report of two cases. Mulderije ED, et al. **Br J Radiol** 1985 Sep;58(693):896-9

Priapism and thalassaemia intermedia [letter] Rao KR, et al. **Br J Surg** 1986 Dec;73(12):1048

Secondary arterio-enteric fistulae: a surgical challenge. Umpleby HC, et al. **Br J Surg** 1987 Apr;74(4):256-9

Early diagnosis of femorodistal graft stenoses. Wolfe JH, et al. **Br J Surg** 1987 Apr;74(4):268-70

Prostatocutaneous urinary fistula to the thigh after retropubic prostatectomy in a patient with polycythaemia rubra vera. Snooks SJ, et al. **Br J Urol** 1986 Oct;58(5):558

Sensory changes after treatment of operable breast cancer. Karydas I, et al. **Breast Cancer Res Treat** 1986;8(1):55-9

Isoflurane and postoperative hepatic dysfunction [editorial] Stoelting RK. **Can J Anaesth** 1987 May;34(3 (Pt 1)):223-6 **(Eng, Fre)**

Indomethacin is effective against neurogenic hyperthermia following cranial trauma or brain surgery. Benedek G, et al. **Can J Neurol Sci** 1987 May;14(2):145-8

The relationship between timing of surgery and operative complications in aneurysmal subarachnoid hemorrhage. Tucker WS. **Can J Neurol Sci** 1987 Feb;14(1):84-7

Postoperative gynecologic infections. Boyd ME. **Can J Surg** 1987 Jan;30(1):7-9

Meralgia paresthetica after gastroplasty for morbid obesity. Grace DM. **Can J Surg** 1987 Jan;30(1):64-5

Simultaneous occurrence of chylothorax and subarachnoid pleural fistula after thoracotomy. Rice TW, et al. **Can J Surg** 1987 Jul;30(4):256-8

Complications of tonsillectomy and adenoidectomy in 9409 children observed overnight. Crysdale WS, et al. **Can Med Assoc J** 1986 Nov 15;135(10):1139-42

Perioperative right heart failure: etiology and pathophysiology. Fisk RL, et al. **Cardiovasc Clin** 1987; 17(2):219-29

Recognition and management of postcardiac surgical complications. Katz NM, et al. **Cardiovasc Clin** 1986; 16(3):203-10

Right ventricular failure: observations of the interrelationships affecting RV failure after aortocoronary bypass, valve surgery, and congenital heart defect repair. Mills NL, et al. **Cardiovasc Clin** 1987;17(2):45-9

Nursing management of the postoperative cardiac surgical patient in the critical care unit. Ng L, et al. **Cardiovasc Clin** 1986;16(3):211-33

Lymphatic disruption following abdominal aortic surgery. Jensen SR, et al. **Cardiovasc Intervent Radiol** 1986; 9(4):199-201

Liver transplant rejection arteritis: serial hepatic arteriography. Morse SS, et al.

Cardiovasc Intervent Radiol 1986;9(4):191–4
Flail chest injury in a patient with surgical absence of the sternum. Adams JW, et al. **Chest** 1987 Jul;92(1):185–6
Cerebral aspergillosis and encephalomeningocele. Ouammou A, et al. **Childs Nerv Syst** 1986;2(4):216–8
Presumed epithelial ingrowth following radial keratotomy. Binder PS. **CLAO J** 1986 Oct–Dec;12(4):247–50
Hyperlipidemia after renal transplantation in children on alternate day corticosteroid therapy. Drukker A, et al. **Clin Nephrol** 1986 Sep;26(3):140–5
Antihypertensive and renal effects of enalapril in post-transplant hypertension. Hricik DE. **Clin Nephrol** 1987 May;27(5):250–9
Polycythemia in pediatric renal transplantation. Sinnassamy P, et al. **Clin Nephrol** 1987 May;27(5):242–4
Complications of adjacent grafting. Grumbine NA. **Clin Podiatr Med Surg** 1986 Oct;3(4):749–67
Perfusion time anuria and nephrotoxicity in cadaveric renal transplant. Berloco P, et al. **Contrib Nephrol** 1986;51:140–2
Captopril as a predictor of curable hypertension in renal transplant recipients. Dubovsky EV, et al. **Contrib Nephrol** 1987;56:117–23
Recurrent glomerulonephritis in transplanted children. Habib R, et al. **Contrib Nephrol** 1987;55:123–35
Liver disease in renal transplant patients treated with azathioprine or ciclosporin. Sandrini S, et al. **Contrib Nephrol** 1986;51:114–9
Reduction of the risk of acute tubular necrosis in ciclosporin-treated patients. Triolo G, et al. **Contrib Nephrol** 1986;51:143–6
Noninflammatory bacterial infiltration of a corneal graft. Dunn S, et al. **Cornea** 1985–86;4(3):189–93
Transient episodes of sigmoid ischemia and their relation to infection from intestinal organisms after abdominal aortic operations. Fiddian-Green RG, et al. **Crit Care Med** 1987 Sep;15(9):835–9
Prosthetic valve endocarditis. Cowgill LD, et al. **Curr Probl Cardiol** 1986 Nov;11(11):617–64 (254 ref.)
Occurrence of adenocarcinoma in the colon sigmoideum following Maydl's operation for urinary bladder exstrophy. Zvara V, et al. **Czech Med** 1986;9(3):117–23
Complications in modern ophthalmic surgery. 52nd clinical afternoon of the University Eye Clinic. Marburg a.d. Lahn, January 18, 1986. **Dev Ophthalmol** 1987;13:1–156
Direct cyclopexy after persistent hypotony as a complication after cyclodialysis and goniotomy. Demeler U. **Dev Ophthalmol** 1987;13:85–7
Complications in eye muscle surgery. Kaufmann H. **Dev Ophthalmol** 1987;13:113–6
Complications after modern filter operations in glaucoma. Neubauer H, et al. **Dev Ophthalmol** 1987;13:70–7
Complications of lid surgery. Reim M, et al. **Dev Ophthalmol** 1987;13:1–8
Legal and actuarial technical questions in intraocular complications. Rossmann H. **Dev Ophthalmol** 1987;13:151–4
Combined cataract-glaucoma operation and its complications with the 7-S-intraocular lens. Schütte E, et al. **Dev Ophthalmol** 1987;13:65–9
Diffuse epithelial ingrowth after perforating keratoplasty. Severin M, et al. **Dev Ophthalmol** 1987;13:9–19
Complications and results after trabeculotomy. Weder W, et al. **Dev Ophthalmol** 1987;13:78–84
Complications in orbital lesions. Welge-Lüssen L, et al. **Dev Ophthalmol** 1987;13:117–24
Retrograde ureteral stenosis in two patients with a ureteroileal anastomosis. van Heesch HA, et al. **Diagn Imag Clin Med** 1986;55(6):310–3
Nutritional and metabolic consequences of extensive bowel resection. Andersson H, et al. **Dig Dis** 1986;4(4):193–202 (30 ref.)
Complications in colonoscopic polypectomy. An experience with 1,555 polypectomies. Nivatvongs S. **Dis Colon Rectum** 1986 Dec;29(12):825–30
Retroperitoneal abscess complicating colonoscopy polypectomy. Ostyn B, et al. **Dis Colon Rectum** 1987 Mar; 30(3):201–3
Perforation of terminal ileal appendage of J-pelvic ileal reservoir. Pezim ME, et al. **Dis Colon Rectum** 1987 Mar; 30(3):161–3
The effects of postoperative factors on serum thyroid hormones and rat liver nuclear 3,5,3'-triiodothyronine receptor concentrations in surgical models of uremia and regenerating liver. Barsano CP, et al. **Endocrinology** 1987 Apr;120(4):1354–60
Tumor extension along percutaneous transhepatic biliary drainage tracts. Tersigni R, et al. **Eur J Radiol** 1986 Nov; 6(4):280–2
Adhesion reformation and de novo adhesion formation after reproductive pelvic surgery. Diamond MP, et al. **Fertil Steril** 1987 May;47(5):864–6
Operative laparoscopy versus open abdominal surgery: a comparative study on postoperative adhesion formation in the rat model. Filmar S, et al. **Fertil Steril** 1987 Sep; 48(3):486–9
Noncardiogenic pulmonary edema: a complication of operative hysteroscopy. Leake JF, et al. **Fertil Steril** 1987 Sep;48(3):497–9
Morbidity after termination of pregnancy in first trimester. Duthie SJ, et al. **Genitourin Med** 1987 Jun;63(3):182–7
Intragastric bile acid concentrations are unrelated to symptoms of flatulent dyspepsia in patients with and without gallbladder disease and postcholecystectomy. Watson RG, et al. **Gut** 1987 Feb;28(2):131–6
Stented versus nonstented transverse colon conduits: a comparative report. Beddoe AM, et al. **Gynecol Oncol** 1987 Jul;27(3):305–15
Swallow syncope after aneurysmectomy of the thoracic aorta. Nakano T, et al. **Heart Vessels** 1987;3(1):42–6
Relationship of previous cholecystectomy to oesophagitis and gastroduodenal ulcers. Hyvärinen H. **Hepatogastroenterology** 1987 Apr;34(2):74–80
Sterile corneal perforation after cataract surgery in keratoconus posticus circumscriptus. Angra SK, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):321–2
Aphakic malignant glaucoma. Thomas R, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):281–3
Acute renal failure following traumatic injury or major operation. Davis RF. **Int Anesthesiol Clin** 1987 Spring; 25(1):117–42 (98 ref.)
Acquired pulmonary atresia following placement of modified Blalock–Taussig shunt in tetralogy of Fallot. Casta A. **Int J Cardiol** 1987 May;15(2):244–7
Outcome of primary coronary recanalization and arrhythmia profile in survivors of acute myocardial infarction. Treese N, et al. **Int J Cardiol** 1987 Apr;15(1):19–31
Dose response to preoperative irradiation in rectal cancer: implications for local control and complications associated with sphincter sparing surgery and abdominoperineal resection. Fortier GA, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1559–63
Edema of the arm as a function of the extent of axillary surgery in patients with stage I–II carcinoma of the breast treated with primary radiotherapy. Larson D, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1575–82
Reasons for failure of L5–S1 intervertebral disc excisions. Radin EL. **Int Orthop** 1987;11(3):255–9
Complications of treatment of urethral stricture in our practice. Attah CA. **Int Urol Nephrol** 1986;18(3):307–13
Urethral stricture complicating transurethral prostatic surgery. Ehrén I, et al. **Int Urol Nephrol** 1986;18(4):429–32
Toxic shock syndrome as a complication of dermatologic surgery. Huntley AC, et al. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 2):227–9
Cholesterol emboli in atherosclerotic patients: reports of four cases occurring spontaneously or complicating angioplasty and aortorenal bypass. Weitz Z, et al. **J Am Geriatr Soc** 1987 Apr;35(4):357–9
Diaphragmatic contractility after upper abdominal surgery. Dureuil B, et al. **J Appl Physiol** 1986 Nov;61(5):1775–80
Conversion total hip replacement. Review of 140 hips with greater than 6-year follow-up study. Stambough JL, et al. **J Arthroplasty** 1986;1(4):261–9 (42 ref.)
Late partial tamponade of the right atrium. A case report. Deviri E, et al. **J Cardiovasc Surg (Torino)** 1987 Jan–Feb; 28(1):94–7
Late cardiac tamponade after open heart surgery. Maroñas JM, et al. **J Cardiovasc Surg (Torino)** 1987 Jan–Feb; 28(1):89–93
Disseminated intravascular coagulopathy associated with thromboexclusion for dissecting aortic aneurysm. Morishita Y, et al. **J Cardiovasc Surg (Torino)** 1986 Nov–Dec; 27(6):731–3
Late innominate vein thrombosis. Unusual complication following sternal closure. Stassano P, et al. **J Cardiovasc Surg (Torino)** 1987 Jan–Feb;28(1):98–9
Outbreak of Candida parapsilosis endophthalmitis after cataract extraction and intraocular lens implantation. McCray E, et al. **J Clin Microbiol** 1986 Oct;24(4):625–8
The treatment of the post-enucleation socket syndrome. Steinkogler FJ. **J Craniomaxillofac Surg** 1987 Feb; 15(1):31–3
Abdominal wall ectopic bone formation with previous abdominal surgery. Barthel HJ. **J Fam Pract** 1987 Apr; 24(4):410–1
Postoperative fracture of os calcis and treatment. Donohue T, et al. **J Foot Surg** 1987 May–Jun;26(3):261–5
Succinylcholine sensitivity and plasma cholinesterase deficiency. Giurini JM, et al. **J Foot Surg** 1986 Sep–Oct; 25(5):382–5
Isolated contracture of the abductor digiti minimi. Appleby D, et al. **J Hand Surg [Am]** 1987 Mar;12(2):290–3
Rupture of extensor digitorum communis after distal ulnar styloidectomy. Friedman B, et al. **J Hand Surg [Am]** 1986 Nov;11(6):818–22
Tendon ruptures and median nerve damage after Hamas total wrist arthroplasty. Siemionow M, et al. **J Hand Surg [Am]** 1987 May;12(3):374–7
Flexor digitorum profundus entrapment after closed treatment of a displaced Colles' fracture. Stuart MJ, et al. **J Hand Surg [Am]** 1987 May;12(3):413–5
Median nerve as free tendon graft. Vastamäki M. **J Hand Surg [Br]** 1987 Jun;12(2):187–8
Antithymocyte gamma globulin, low-dosage cyclosporine, and tapering steroids as an immunosuppressive regimen to avoid early kidney failure in heart transplantation. Deeb GM, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):79–83
Successful treatment with trisodium phosphonoformate for primary cytomegalovirus infection after heart transplantation. Locke TJ, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):120–2
Dermatologic complications following heart transplantation. O'Connell BM, et al. **J Heart Transplant** 1986 Nov–Dec; 5(6):430–6
The treatment of refractory ascites by the LeVeen shunt. A multi-centre controlled trial (57 patients). Bories P, et al. **J Hepatol** 1986;3(2):212–8
Paraplegia following ductus surgery. Beg MH, et al. **J Indian Med Assoc** 1986 May;84(5):147–8
Retrograde jejunogastric intussusception following gastric surgery. Menezes LT, et al. **J Indian Med Assoc** 1986 Oct; 84(10):310–1
Prolapse of the urinary bladder through suprapubic cystostomy wound. Rajamanickam G, et al. **J Indian Med Assoc** 1986 Aug;84(8):243–4
Psoriasis as a complication of saphenous vein phlebectomy. Benson CH, et al. **J Miss State Med Assoc** 1987 Jun; 28(6):139–40
Pathology of digestive organs in renal transplant recipients. Pahl MV, et al. **J Natl Med Assoc** 1986 Aug;78(8):721–6
Vertebral arteriovenous fistula following anterior cervical spine surgery. Report of two cases. Cosgrove GR, et al. **J Neurosurg** 1987 Feb;66(2):297–9
Intracerebral hematoma following evacuation of chronic subdural hematomas. Report of two cases. d'Avella D, et al. **J Neurosurg** 1986 Nov;65(5):710–2
Cochlear nerve injuries caused by cerebellopontine angle manipulations. An electrophysiological and morphological study in dogs. Sekiya T, et al. **J Neurosurg** 1987 Aug; 67(2):244–9
The surgical management of the anophthalmic syndrome with the concomitant malunion of the zygomatico-maxillary complex: review of the literature and report of a case. Collett R, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):341–5
The use of topical tetracycline in the management of persistent chylous fistulae. Kassel RN, et al. **J Otolaryngol** 1987 Jun;16(3):174–8
Spine deformity in familial dysautonomia (Riley–Day syndrome). Albanese SA, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):179–83
Acquired spondylolysis after posterolateral spinal fusion. Blasier RD, et al. **J Pediatr Orthop** 1987 Mar–Apr; 7(2):215–7
Ulnar nerve palsy following rotational osteotomy of congenital radioulnar synostosis. Hankin FM, et al. **J Pediatr Orthop** 1987 Jan–Feb;7(1):103–6
Fracture of the distal radial physis complicated by compartment syndrome and premature physeal closure. Hernandez J Jr, et al. **J Pediatr Orthop** 1986 Sep–Oct; 6(5):627–30
Posterior sagittal anoplasty combined with ventricular peritoneal shunting: an unusual complication. Bondurant FJ, et al. **J Pediatr Surg** 1986 Nov;21(11):969–70
Influence of diversion on the development of cholangitis after hepatoportoenterostomy for biliary atresia. Burnweit CA, et al. **J Pediatr Surg** 1986 Dec;21(12):1143–6
Postsplenectomy sepsis in pediatric patients following splenectomy for trauma: a proposal for a multi-institutional study. Green JB, et al. **J Pediatr Surg** 1986 Dec; 21(12):1084–6
Disturbed defecation after colectomy for aganglionosis investigated with monoclonal antineurofilament antibody. Klück P, et al. **J Pediatr Surg** 1986 Oct;21(10):845–7
Esophageal atresia and ante-thoracic skin tube esophageal conduits: squamous cell carcinoma in the conduit 44 years following surgery. LaQuaglia MP, et al. **J Pediatr Surg** 1987 Jan;22(1):44–7
Surgical correction of pectus carinatum. Shamberger RC, et al. **J Pediatr Surg** 1987 Jan;22(1):48–53
Functional scoliosis as a long-term complication of surgical ligation for patent ductus arteriosus in premature infants. Shelton JE, et al. **J Pediatr Surg** 1986 Oct;21(10):855–7
Postoperative intussusception in the paediatric patient. Brown RA, et al. **J R Coll Surg Edinb** 1986 Jun; 31(3):169–70
Use of urokinase in dispersal of obstructive postoperative thrombus in the renal pelvis. Cooke DA, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):192–3
Fundal perforation complicating the gas-bloat syndrome. Harvey CF, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):183–4
Vascular compression of the duodenum. Moskovich R, et al. **J R Soc Med** 1986 Aug;79(8):465–7
Upper abdominal lymphocele following urgent aortorenal bypass grafting. Pardy BJ, et al. **J R Soc Med** 1986 Nov; 79(11):674–6
Pararenal hematoma as a complication of vaginal hysterectomy. A case report. Lev-Gur M, et al. **J Reprod Med** 1987 Jan;32(1):68–71
Single-dose antibiotic prophylaxis in high-risk patients undergoing cesarean section. A comparative trial. Saltzman DH, et al. **J Reprod Med** 1986 Aug;31(8):709–12
Threatened carotid artery rupture: a complication of radical neck surgery. Sanders EM, et al. **J Surg Oncol** 1986 Nov; 33(3):190–3
Catheter drainage of symptomatic postoperative mediastinal effusion guided by computed tomography. A nonoperative approach. Rousou JA, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):715–8
Acute bowel entrapment and perforation following operative reduction of pelvic fracture. Lin PS, et al. **J Trauma** 1987 Jun;27(6):684–6
Complications of surgically treated supracondylar fractures of the femur. Moore TJ, et al. **J Trauma** 1987 Apr; 27(4):402–6
Acquired megalourethra: an uncommon complication of the transverse preputial island flap urethroplasty. Aigen AB,

et al. **J Urol** 1987 Apr;137(4):712–3
Internal urethrotomy in female subjects [editorial] Allen TD. **J Urol** 1986 Dec;136(6):1280
Metastatic transitional cell carcinoma in an ileal conduit following cystectomy. Roberts SD, et al. **J Urol** 1987 Apr; 137(4):734–5
Bone marrow transplantation, ulcerative colitis, and acquired immunodeficiency syndrome (AIDS) [letter] Spiers AS. **JAMA** 1987 Apr 10;257(14):1902
Effects of resistive exercise on skeletal muscle in marrow transplant recipients receiving total parenteral nutrition. Cunningham BA, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):558–63
Six-year experience with the St. Jude Medical prosthesis: early and late results of 540 valves in 462 patients. Nakano K, et al. **Jpn Circ J** 1987 Mar;51(3):275–83
Anterior segment ischemia following extraocular muscle surgery. Prakash P, et al. **Jpn J Ophthalmol** 1986; 30(3):251–6
Postoperative fever after hemorrhoidectomy. Tayiem AK, et al. **Kans Med** 1986 Oct;87(10):276, 296
Overwhelming pneumococcal sepsis post-splenectomy [letter] [published erratum appears in Lancet 1987 Mar 14;1(8533):642] **Lancet** 1987 Mar 7;1(8532):569–71
Does splenectomy enhance risk of AIDS in HIV-positive patients with chronic thrombocytopenia? [letter] Barbui T, et al. **Lancet** 1987 Aug 8;2(8554):342–3
Cytomegalovirus pneumonitis after allogeneic marrow transplantation [letter] Brenner MK, et al. **Lancet** 1987 Aug 1;2(8553):286–7
Permanent brain damage after cardiac surgery [letter] Gilston A. **Lancet** 1987 Jan 24;1(8526):216
Overwhelming pneumococcal sepsis in healthy adults years after splenectomy [letter] Hollis N, et al. **Lancet** 1987 Jan 10;1(8524):110–1
Postvagotomy diarrhoea [letter] Malchow-Møller A, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1465
Low serum albumin and failure of fixation of hip fractures [letter] Nunn D. **Lancet** 1987 May 23;1(8543):1210
Cerebral deficit after elective cardiac surgery [letter] Taggart DP, et al. **Lancet** 1987 Jan 3;1(8523):47
Pancreatic graft failure due to pelvic examination [letter] Tydén G, et al. **Lancet** 1987 Apr 4;1(8536):812
Splenectomy in Hodgkin's disease and second leukaemias [letter] van Leeuwen FE, et al. **Lancet** 1987 Jul 25; 2(8552):210–1
Persistence of vaginal vault granulation [letter] Wood P. **Lancet** 1986 Oct 18;2(8512):918
Postoperative risks of pediatric tonsilloadenoidectomy. Carithers JS, et al. **Laryngoscope** 1987 Apr;97(4):422–9
Nasopharyngeal complications following uvulopalatopharyngoplasty. Katsantonis GP, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):309–14
Delayed neck infection following anterior spine surgery. Kuriloff DB, et al. **Laryngoscope** 1987 Sep;97(9):1094–8
Centralization, certification, and monitoring. Readmissions and complications after surgery. Roos LL Jr, et al. **Med Care** 1986 Nov;24(11):1044–66
Complications of a medical unit, self-contained transportable operating room adapted to fixed facility standards in the continental United States—the first 200 cases. LaPorta AJ, et al. **Milit Med** 1987 Jun;152(6):294–5
Wound infection in elective colon surgery. Solla JA, et al. **Milit Med** 1986 Aug;151(8):446–9
Postoperative (or postsurgical) pulmonary embolism. A community analysis Duluth, Minnesota. Campaigne RJ. **Minn Med** 1986 Aug;69(8):449–52
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 42–1986. A 28-year-old man with a renal transplant and recent disorientation. **N Engl J Med** 1986 Oct 23;315(17):1079–86
Telephone TIAs [letter] Dolkart K. **N Engl J Med** 1987 Aug 20;317(8):510
Appendectomy and the risk of tubal infertility. Mueller BA, et al. **N Engl J Med** 1986 Dec 11;315(24):1506–8
Acute renal failure following colorectal surgery [letter] Baldrati L, et al. **Nephron** 1987;47(1):73
Early dialysis and renal transplantation. Bonomini V, et al. **Nephron** 1986;44(4):267–71
Right hippocampal excision impairs learning and recall of a list of abstract designs. Jones-Gotman M. **Neuropsychologia** 1986;24(5):659–70
Hemorrhagic infarction after vasospasm due to ruptured aneurysm [letter] Chee CP, et al. **Neurosurgery** 1986 Oct; 19(4):676
Postoperative extradural hematomas: computed tomographic survey of 1105 intracranial operations. Fukamachi A, et al. **Neurosurgery** 1986 Oct;19(4):589–93
Reactivation of herpesvirus in neurosurgical patients. Nabors MW, et al. **Neurosurgery** 1986 Oct;19(4):599–603
Relationship between abnormalities of coagulation and fibrinolysis and postoperative intracranial hemorrhage in head injury. Touho H, et al. **Neurosurgery** 1986 Oct; 19(4):523–31
The neuroleptic malignant syndrome after open heart surgery: successful treatment with bromocriptine. Lieberman A, et al. **NY State J Med** 1987 Jun;87(6):362–3
Bilateral adrenal hemorrhage following surgery. Miller EH, et al. **NY State J Med** 1986 Dec;86(12):651–3
Keratoplasty with primary and secondary lens implantation. Alpar JJ. **Ophthalmic Surg** 1978 Oct;9(5):58–66
Endophthalmitis occurring during hospitalization following cataract surgery. Cameron ME, et al. **Ophthalmic Surg** 1978 Oct;9(5):52–7
Vitrectomy and fluid infusion in the treatment of delayed suprachoroidal hemorrhage after combined cataract and glaucoma filtration surgery. Davison JA. **Ophthalmic Surg** 1987 May;18(5):334–6
Acute angle-closure glaucoma following eyelid reconstruction. Hornblass A, et al. **Ophthalmic Surg** 1987 Jun;18(6):450–1
The McCarey-Kaufman medium and penicillin allergy. Liesegang TJ, et al. **Ophthalmic Surg** 1978 Oct;9(5):43–6
Visual distortion after myopic keratomileusis: computer analysis of keratoscope photographs. Maguire LJ, et al. **Ophthalmic Surg** 1987 May;18(5):352–6
Vitreoretinal changes associated with rise in intraocular pressure after Nd:YAG capsulotomy. Schubert HD. **Ophthalmic Surg** 1987 Jan;18(1):19–22
Does enucleation in the presence of endophthalmitis increase the risk of postoperative meningitis? Afran SI, et al. **Ophthalmology** 1987 Mar;94(3):235–7
Progressive hyperopia in radial keratotomy. Long-term follow-up of diamond-knife and metal-blade series. Deitz MR, et al. **Ophthalmology** 1986 Oct;93(10):1284–9
Acute cholecystitis and liver failure after total hip replacement: a case report [letter] McClelland SJ. **Orthopedics** 1986 Dec;9(12):1617, 1620
The postcardiotomy syndrome following transvenous pacemaker insertion. Snow ME, et al. **PACE** 1987 Jul;10(4 Pt 1):934–6
Surgical complications of the Thomas pancreatic fistula. Johnson CD, et al. **Pancreas** 1986;1(3):279–82
Post-surgical ischaemic myelopathy. Stutesman JL, et al. **Paraplegia** 1987 Feb;25(1):23–6
Atrioventricular septal defect after surgical resection of a subaortic shelf. Leung MP, et al. **Pediatr Cardiol** 1986; 7(4):205–7
Right atrial thrombosis: rare complication of the modified Fontan procedure. Shannon FL, et al. **Pediatr Cardiol** 1986; 7(4):209–12
Case 2. Pulmonary failure and pulmonary hypertension after repair of diaphragmatic hernia. Reid LM. **Pediatr Pathol** 1986;6(4):467–73
Perirectal mucocele after imperforate anus repair. Panicek DM, et al. **Pediatr Radiol** 1987;17(1):73–4
Pneumatosis intestinalis in children after allogeneic bone marrow transplantation. Yeager AM, et al. **Pediatr Radiol** 1987;17(1):18–22
Effect of cleft palate repair and pharyngeal flap surgery on upper airway obstruction during sleep. Orr WC, et al. **Plast Reconstr Surg** 1987 Aug;80(2):226–32
Recovery from hysterectomy. Gould D. **Practitioner** 1986 Sep;230(1419):756–7
The stress response to surgical trauma: from physiological basis to therapeutic implications. Anand KJ. **Prog Food Nutr Sci** 1986;10(1–2):67–132 (325 ref.)
Gastric hemorrhage complicating percutaneous transgastric jejunostomy. Rose DB, et al. **Radiology** 1986 Dec; 161(3):835–6
Nontyphoid salmonellosis in patients with total hip replacement: report of four cases and review of the literature. Samra Y, et al. **Rev Infect Dis** 1986 Nov–Dec; 8(6):978–83 (32 ref.)
Spontaneous perforation of the renal pelvis after transplantation. A report of 2 cases and a review of 8 cases previously reported. Jamieson JR, et al. **S Afr J Surg** 1986 Sep;24(3):105–9
Postoperative chylous ascites after resection of an abdominal aortic aneurysm. A case report. Schein M, et al. **S Afr J Surg** 1987 Mar;25(1):39–41
Obstructive sleep apnoea persisting after adenoidectomy [letter] Delport SD, et al. **S Afr Med J** 1987 Feb 7; 71(3):194–5
Aetiology of pulmonary dysfunction in total hip replacement operations. The influence of nifedipine on the factors involved. du Toit HJ, et al. **S Afr Med J** 1987 Mar 7; 71(5):279–82
Hemiplegia—an unusual complication of appendectomy. A case report. McCormick MV, et al. **S Afr Med J** 1987 Jun 20;71(12):790–1
The cutting diathermy and drain tracts [letter] Schein M, et al. **S Afr Med J** 1987 Feb 7;71(3):192–3
A prospective study of psychiatric and psychosocial sequelae of bilateral subcutaneous mastectomy. Meyer L, et al. **Scand J Plast Reconstr Surg** 1986;20(1):101–7
Clinical experience and complications with fasciocutaneous flaps. Tolhurst DE. **Scand J Plast Reconstr Surg** 1986; 20(1):75–8
Extended vomer flap in the early repair of a cleft palate. Kobus K. **Scand J Plast Reconstr Surg Hand Surg** 1987; 21(1):95–102
Malocclusion in complete unilateral and bilateral cleft lip and palate. The results of a change in the surgical procedure. Mølsted K, et al. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):81–5
Cerebral damage during open-heart surgery. Clinical, psychometric, biochemical and CT data. Aberg T, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(2):159–63
Surgical treatment of aortic dissection in 60 patients. Viljanen T, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(3):193–201
Bladder replacement by ileocystoplasty following radical cystectomy. Camey M. **Semin Urol** 1987 Feb;5(1):8–14
Bile reflux gastritis. Bondurant FJ, et al. **South Med J** 1987 Feb;80(2):161–5
Malignancy arising in the transplanted vagina. Wheelock JB, et al. **South Med J** 1986 Dec;79(12):1585–7
Incomplete anterior interosseous nerve palsy following spinal surgery. A report of two cases. Albanese S, et al. **Spine** 1986 Dec;11(10):1037–8
Chylothorax—a rare complication after anterior and posterior spinal correction. Report on six cases. Nakai S, et al. **Spine** 1986 Oct;11(8):830–3
Arachnoiditis ossificans of the cauda equina. A case report. Tetsworth KD, et al. **Spine** 1986 Sep;11(7):765–6
Causes of neurologic deterioration following surgical treatment of cervical myelopathy. Yonenobu K, et al. **Spine** 1986 Oct;11(8):818–23
Neurologic and neuropsychological morbidity following major surgery: comparison of coronary artery bypass and peripheral vascular surgery. Shaw PJ, et al. **Stroke** 1987 Jul–Aug;18(4):700–7
Hemodynamics of aortic cross-clamping: experimental observations and clinical applications. Svensson LG, et al. **Surg Annu** 1987;19:41–65 (113 ref.)
Intra-abdominal complications of cardiopulmonary bypass operations. Leitman IM, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):251–4
Acute acalculous cholecystitis complicating aortic aneurysm repair. Scher KS, et al. **Surg Gynecol Obstet** 1986 Nov; 163(5):475–8
Postoperative subdural fluid collections in neurosurgery. Koizumi H, et al. **Surg Neurol** 1987 Feb;27(2):147–53
The role of coronary artery disease in complications of abdominal aortic aneurysm surgery. Blombery PA, et al. **Surgery** 1987 Feb;101(2):150–5
Endoscopic insertion of endoprostheses in the treatment of postoperative cutaneous biliary fistula. Goldin E, et al. **Surgery** 1987 Jul;102(1):88–90
Toxic shock syndrome and multiple-system organ failure after breast biopsy. Landercasper J, et al. **Surgery** 1987 Jul; 102(1):96–8
Early postoperative morbidity after surgical treatment of thyroid carcinoma. van Heerden JA, et al. **Surgery** 1987 Feb;101(2):224–7
Reiter's syndrome and recurrent peritonitis after appendectomy. Weisman LF, et al. **Surgery** 1987 Apr; 101(4):508–10
Postoperative astigmatism. Swinger CA. **Surv Ophthalmol** 1987 Jan–Feb;31(4):219–48 (208 ref.)
Association between postoperative hyper-response in t-PA inhibition and deep vein thrombosis [letter] Kluft C, et al. **Thromb Haemost** 1986 Aug 20;56(1):107
Corneal endothelial changes following short pulsed laser iridotomy and surgical iridectomy. Wishart PK, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):541–8
Hyperlipidemia following heart transplantation: natural history and intervention with mevinolin (lovastatin). Ballantyne CM, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):60–2
Complications of pancreas transplantation-effect of technique. Toledo-Pereyra LH, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2319–22
Pulmonary complications of orthotopic liver transplantation. Jensen WA, et al. **Transplantation** 1986 Nov;42(5):484–90
Interstitial pneumonitis following autologous bone marrow transplantation. Pecego R, et al. **Transplantation** 1986 Nov; 42(5):515–7
Ultrasonographic diagnosis of vesical leakage in a renal transplant recipient. Rabinovici R, et al. **Urol Radiol** 1986; 8(2):112–3
Polar infarct in a transplanted kidney: cause of a pseudomass. Sussman SK, et al. **Urol Radiol** 1987;9(1):42–4
Persistent hypercalcemia after neck exploration—an analysis of 34 cases. Kristoffersson A, et al. **Urol Res** 1986; 14(6):323–5
Endotoxemia and bacteremia in patients following ultrasonic lithotripsy. Tanaka M, et al. **Urol Res** 1987;15(1):45–7
Renal failure and mortality after nephrectomy for severe trauma in multiply-injured patient: no inordinate risk. Cass AS, et al. **Urology** 1987 Sep;30(3):213–5
Bilateral ureteral meatal obstruction after ureteroneocystostomy. Rabinovitch HH. **Urology** 1987 Sep; 30(3):244–5
Eikenella corrodens cervical osteomyelitis: case report. Peereboom D, et al. **Va Med** 1987 Mar;114(3):150–3
[Nasal pharyngoscopy—an advanced instrument for assessing velopharyngeal closure after the management of cleft palate] Ma L, et al. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):183–5 (17 ref.) (Chi)
[Severe complications and prevention in the surgical treatment of scoliosis] Wang SK, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar;24(3):133–5, 187 (Eng. Abstr.) (Chi)
[Massive biliary tract hemorrhage after Roux-en-Y cholechojejunostomy and its treatment] Zhang QZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar;24(3):156–7, 188 (Eng. Abstr.) (Chi)
[Factors influencing morbidity and mortality in biliary tract surgery] Anděl Z, et al. **Rozhl Chir** 1987 Apr;66(4):247–54 (Eng. Abstr.) (Cze)
[Complications of surgical treatment of cholelithiasis] Cernoch J. **Vnitr Lek** 1987 May;33(5):429–35 (Eng. Abstr.) (Cze)
[Postoperative changes in pulmonary function.

Physiopathology, prevention and treatment] Degn H, et al. **Ugeskr Laeger** 1986 Sep 8;148(37):2338–41 (Eng. Abstr.) **(Dan)**

[Evaluation of postoperative complications following esophageal surgery] Brun–Buisson V, et al. **Agressologie** 1986 Nov;27(10):857–60 (Eng. Abstr.) **(Fre)**

[Ciliary and retinal occlusion following local retrobulbar anesthesia with orbital compression (2 cases)] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):865–6, 868 (Eng. Abstr.) **(Fre)**

[Anesthesia–resuscitation in the surgery of abdominal aortic aneurysm. A 2–year retrospective study. Specific problems] Dufay C, et al. **Cah Anesthesiol** 1986 Oct;34(6):473–8 **(Fre)**

[Mucous ectropion and anal prolapse. Therapeutic possibilities] Bondonny JM. **Chir Pediatr** 1986;27(5):293–5 **(Fre)**

[Arterial distribution at the level of the pancreas tail. Its impact on the etiology of caudal pancreatic necrosis following splenectomy for splenic trauma] Sow ML, et al. **Dakar Med** 1984;29(2):313–20 (Eng. Abstr.) **(Fre)**

[Morbidity factors in Nissen's procedure] Gossot D, et al. **J Chir (Paris)** 1987 Jun–Jul;124(6–7):363–71 (Eng. Abstr.) **(Fre)**

[Orbital cysts caused by conjunctival inclusion occurring after orbito–oculo–palpebral surgery] Morax S, et al. **J Fr Ophtalmol** 1987;10(1):41–9 (Eng. Abstr.) **(Fre)**

[Prevention and treatment of cytomegalovirus infections after graft of allogenic bone marrow] Gluckman E, et al. **Nouv Rev Fr Hematol** 1987;29(1):17–21 (Eng. Abstr.) **(Fre)**

[Activation of coagulation following surgery of intracranial meningioma (letter)] Menguy E, et al. **Presse Med** 1987 Apr 4;16(12):587–8 **(Fre)**

[Cesarean section for placenta praevia. Perinatal mortality and morbidity] Dantzer M, et al. **Rev Fr Gynecol Obstet** 1986 Dec;81(12):685–91 (Eng. Abstr.) **(Fre)**

[Acute postoperative cholecystitis] Jacques M, et al. **Rev Med Liege** 1986 Nov 1;41(21):868–71 **(Fre)**

[Postoperative complications in colon surgery] Chavanne MM, et al. **Rev Med Suisse Romande** 1986 Aug;106(8):711–3 **(Fre)**

[Results and late morbidity following the Marshall–Marchetti–Burch operation for treating stress urinary incontinence in women] Tinguely JP, et al. **Rev Med Suisse Romande** 1987 Feb;107(2):163–75 **(Fre)**

[Acute postoperative non–calculous cholecystitis] Attiaoui M, et al. **Tunis Med** 1987 Jan;65(1):41–4 (Eng. Abstr.) **(Fre)**

[Late infectious complications in splenectomized patients: apropos of 184 cases] Kehila M, et al. **Tunis Med** 1987 Jan;65(1):45–8 (Eng. Abstr.) **(Fre)**

[Fat embolism and diaphyseal fracture of the femur—prospective study] Joz–Roland P, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(3):175–9 **(Fre)**

[Late histoacryl–induced complications of dura surgery in the frontal and lateral base of the skull] Chilla R. **HNO** 1987 Jun;35(6):250–1 (Eng. Abstr.) **(Ger)**

[Computed tomographic analysis of postoperative abdominal compartments. A comparative study of 100 patients with abdominal abscesses] Kumpan W. **Radiologe** 1987 May; 27(5):203–15 (Eng. Abstr.) **(Ger)**

[Operative and postoperative complications of elective cholecystectomy. A retrospective study of 532 cases] Klotz HP, et al. **Schweiz Rundsch Med Prax** 1986 Nov 4; 75(45):1345–50 (Eng. Abstr.) **(Ger)**

[Problems in liver transplantation] Lie TS, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):214–7 **(Ger)**

[Early changes in autonomic nervous function after heart surgery with extracorporeal circulation] Ciavolella M, et al. **Cardiologia** 1987 Apr;32(4):409–13 (Eng. Abstr.) **(Ita)**

[Conduction disorders after radical correction of tetralogy of Fallot] Donegani E, et al. **Minerva Cardioangiol** 1986 Jul–Aug;34(7–8):481–6 (Eng. Abstr.) **(Ita)**

[Evaluation of the operative risk in dermatologic cancer surgery] Illengo M, et al. **Minerva Chir** 1987 Mar 31; 42(6):521–3 (Eng. Abstr.) **(Ita)**

[A case report of right ventricular pseudoaneurysm after extracardiac valved conduit surgery] Fujiwara K, et al. **Kyobu Geka** 1986 Nov;39(11):913–9 (Eng. Abstr.) **(Jpn)**

[Heart failure related to hypovolemia after cardiac surgery] Matsuki O, et al. **Kyobu Geka** 1986 Nov;39(11):864–8 (Eng. Abstr.) **(Jpn)**

[Acute cardiogenic shock in prosthetic valve endocarditis in the mitral position] Ohtaki M, et al. **Kyobu Geka** 1987 Feb;40(2):141–4 (Eng. Abstr.) **(Jpn)**

[Renal and respiratory failure after bilateral thoracotomy] Hagiya M, et al. **Masui** 1987 Apr;36(4):618–21 (Eng. Abstr.) **(Jpn)**

[Hypoxemia observed following emergency neurosurgery] Iida T, et al. **Masui** 1987 Apr;36(4):604–8 (Eng. Abstr.) **(Jpn)**

[A 20–year experience with ileal conduit urinary diversion. Late complications and ileal loop function] Baba S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):938–47 (Eng. Abstr.) **(Jpn)**

[Renal cell carcinoma of the solitary kidney treated by ex vivo partial nephrectomy with autotransplantation: a case report] Omori K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):144–8 (Eng. Abstr.) **(Jpn)**

[Renal artery thrombosis following retroperitoneal lymphadenectomy] Tokue A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):1006–11 (Eng. Abstr.) **(Jpn)**

[Prediction study of risk factors of postoperative complications following pulmonary resection—multivariate statistical analysis] Hara F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):851–6 (Eng. Abstr.) **(Jpn)**

[Thrombosis of the Björk–Shiley prosthesis] Nishida H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug; 34(8):1077–85 (Eng. Abstr.) **(Jpn)**

[Subdural tension pneumocephalus following surgery of chronic subdural hematoma] Ishiwata Y, et al. **No Shinkei Geka** 1987 Apr;15(4):419–24 (Eng. Abstr.) **(Jpn)**

[Arachnoiditis ossificans after repeated myelographies and spinal operations—a case report and review of the literature] Tanaka K, et al. **No Shinkei Geka** 1987 Jan; 15(1):89–93 (Eng. Abstr.) **(Jpn)**

[Complications after using an insular pectoralis major myocutaneous flap] Jethon J. **Otolaryngol Pol** 1986; 40(6):427–31 (Eng. Abstr.) **(Pol)**

[Early complications of thyroidectomy in patients with increased surgical risk] Michalczyk K, et al. **Wiad Lek** 1986 Sep 1;39(17):1159–63 (Eng. Abstr.) **(Pol)**

[Cutaneous necrosis in plastic surgery and its probable relation to the use of cigarettes (letter)] D'Assumpção EA. **AMB** 1986 Jul–Aug;32(7–8):143–4 **(Por)**

[Course of recurrence of focal and segmental glomerulosclerosis after renal transplantation] David Neto E, et al. **AMB** 1986 Jul–Aug;32(7–8):127–30 (Eng. Abstr.) **(Por)**

[Loss of renal function caused by urinary infection after renal transplantation] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan–Feb;41(1):11–5 (Eng. Abstr.) **(Por)**

[Incisional hernias: review of 228 cases operated on at the University of São Paulo Medical School Clinical Hospital] Mittelstaedt WE, et al. **Rev Paul Med** 1986 May–Jun; 104(3):117–27 (Eng. Abstr.) **(Por)**

[Chronic lung abscess caused by a foreign body] Levashov IuN, et al. **Grudn Khir** 1986 Sep–Oct;(5):89–90 **(Rus)**

[Pathophysiologic aspects of homeostatic disorders in patients after open–heart surgery] Abbakumov VV, et al. **Kardiologiia** 1986 Oct;26(10):57–61 (Eng. Abstr.) **(Rus)**

[Internal organ complications after tonsillectomy] Protasevich GS. **Sov Med** 1986;(10):54–8 (71 ref.) **(Rus)**

[Inguinal herniotomy—one of the causes of male infertility] Stekhun FI. **Sov Med** 1987;(1):96–9 **(Rus)**

[Thrombin neutralization by antithrombin III depending upon the intensity of thrombin–formation in experimental and clinical surgical interventions] Pastorova VE, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):28–32 (Eng. Abstr.) **(Rus)**

[Cardiovascular complications in the early postoperative period following thoraco–abdominal surgery] Starosel'skiĭ IV, et al. **Vopr Onkol** 1986;32(11):104–7 (Eng. Abstr.) **(Rus)**

[The postoperative course and kidney rejection] Bošković S, et al. **Acta Chir Iugosl** 1986;33(1):103–24 (Eng. Abstr.) **(Scr)**

[Peroperative and operative complications in aneurysms of the cerebral vessels] Nádvorník P, et al. **Cesk Neurol Neurochir** 1986 Sep;49(5):287–92 (Eng. Abstr.) **(Slo)**

[Pulmonary edema of non–cardiogenic origin (letter)] Campos JM, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):156–7 **(Spa)**

[Digestive hemorrhage in the operated stomach. II. Late hemorrhage] Yangüela JM, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):488–93 (Eng. Abstr.) **(Spa)**

[Origin of ventricular tachycardia in corrected tetralogy of Fallot] González R, et al. **Rev Med Chil** 1986 Feb; 114(2):147–55 (Eng. Abstr.) **(Spa)**

BLOOD

Postoperative lymphocytopenia and leucocytosis after epidural and general anaesthesia. Jakobsen BW, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):668–71

The effect of cardiopulmonary bypass on T cells and their subpopulations. Ide H, et al. **Ann Thorac Surg** 1987 Sep; 44(3):277–82

C–reactive protein levels predict postoperative septic complications. Mustard RA Jr, et al. **Arch Surg** 1987 Jan; 122(1):69–73

Blood cyclosporin concentrations and renal allograft dysfunction [letter] De Vecchi A, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1570–1

Neurohypophyseal peptide function during early postoperative diabetes insipidus. Seckl JR, et al. **Brain** 1987 Jun;110 (Pt 3):737–46

Correlations of serum potassium fluctuations with body temperature after major surgery. Boelhouwer RU, et al. **Crit Care Med** 1987 Apr;15(4):310–2

Evaluation of platelet function in postsplenectomy thrombocytosis. Randi ML, et al. **Folia Haematol (Leipz)** 1987;114(2):252–6

Relationship between bilirubin decreasing rate "b" and morbidity in patients with obstructive jaundice. Tanaka T, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):425–8

Changes in plasma beta 2 microglobulin concentrations after allogeneic bone marrow transplantation. Norfolk DR, et al. **J Clin Pathol** 1987 Jun;40(6):657–62

Indexes of hemolysis in human recipients of the Jarvik–7 total artificial heart: a cooperative report of fifteen patients. Levinson MM, et al. **J Heart Transplant** 1986 May–Jun; 5(3):236–48

Intravascular coagulation in surgery for large acoustic neuromas [letter] Van der Sande JJ, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):648–9

Plasma endotoxin levels and functions of peripheral granulocytes in surgical patients with respiratory distress syndrome. Miyata T, et al. **Jpn J Surg** 1986 Nov; 16(6):412–7

Serum osmolality gap in postoperative patients in intensive care. Inaba H, et al. **Lancet** 1987 Jun 13;1(8546):1331–5

Persistent hyperlipidemia in renal transplant patients. Kasiske BL, et al. **Medicine (Baltimore)** 1987 Jul;66(4):309–16

Endotoxin inactivation in plasma from patients with gram–negative infection—an in vitro study. Olofsson P, et al. **Prog Clin Biol Res** 1987;231:323–30

Relationship between blood viscosity and cerebral ischemia after surgical treatment of ruptured intracranial aneurysms. Schievink WI, et al. **Surg Neurol** 1987 Jun;27(6):537–42

Endotoxemia after abdominal surgery. Nakagawa K, et al. **Tohoku J Exp Med** 1986 Nov;150(3):273–80

[Methemoglobinemia in pancreatitis—a case report] Dauberschmidt R, et al. **Anaesthesiol Reanim** 1987; 12(3):183–6 (Eng. Abstr.) **(Ger)**

[Clinical experiences following the surgical therapy of asymptomatic, oligosymptomatic and symptomatic parathyroid gland hyperfunction] Niederle B, et al. **Klin Wochenschr** 1986 Oct 1;64(19):917–23 (Eng. Abstr.) **(Ger)**

[Clinical significance of gastrointestinal hormones] Eysselein VE, et al. **Med Klin** 1986 Jan 17;81(i):20–8 **(Ger)**

[Experience using a transcutaneous pO2 measuring technic in the early postoperative phase following thoracotomy] Wünschmann HJ, et al. **Z Erkr Atmungsorgane** 1987; 168(1):42–9 (Eng. Abstr.) **(Ger)**

[Behavior of serum zinc and selected plasma proteins following urologic operations] Hannig B, et al. **Z Urol Nephrol** 1987 May;80(5):281–7 (Eng. Abstr.) **(Ger)**

[Postoperative hemoglobin course and septic complications following stomach resection] Jaeger K, et al. **Zentralbl Chir** 1987;112(5):312–9 (Eng. Abstr.) **(Ger)**

[Development of clinical pictures of ovarian deficiency following hysterectomy and destructive fallopian tube sterilization procedures] Riedel HH, et al. **Zentralbl Gynakol** 1987;109(12):755–70 (Eng. Abstr.) **(Ger)**

[Can changes in the gonadotropin response in androgen insensitivity syndrome be detected with the GnRH test following gonadectomy and steroid administration?] Scholz B, et al. **Zentralbl Gynakol** 1987;109(12):777–82 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Temporal pattern of enzyme changes in cerebrospinal fluid in patients with neurologic complications after open heart surgery. Vaagenes P, et al. **Crit Care Med** 1987 Aug; 15(8):726–31

CHEMICALLY INDUCED

Perioperative myoclonia or seizures [letter] Durrani Z. **Anesth Analg** 1987 Jun;66(6):583–4

Post–operative morbidity associated with the use of atracurium and vecuronium in day–case laparoscopy. Sengupta P, et al. **Eur J Anaesthesiol** 1987 Mar;4(2):93–9

Postanesthetic cognitive and psychomotor impairment. Korttila K. **Int Anesthesiol Clin** 1986 Winter;24(4):59–74 (57 ref.)

[Proper use of irrigation solutions in orthopedic surgery. Apropos of a case of chondrolysis due to chlorhexidine] Rombouts JJ, et al. **Acta Orthop Belg** 1986;52(6):685–702 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Classification and the principles of the surgical treatment of the deformities of the upper lip and nose following the plastic repair of congenital clefts] Vissarionov VA. **Vestn Khir** 1986 Oct;137(10):91–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

A critical look at capsule contracture in subglandular versus subpectoral mammary augmentation. Puckett CL, et al. **Aesthetic Plast Surg** 1987;11(1):23–8

Esophageal mucocele after surgical isolation of the esophagus. Glickstein MF, et al. **AJR** 1987 Oct; 149(4):729–30

Diagnosis of ureteral stump transitional cell carcinoma by CT and MR imaging. Jaffe J, et al. **AJR** 1987 Oct; 149(4):741–2

Abdominal sonography after hepatic transplantation: results in 36 patients. Letourneau JG, et al. **AJR** 1987 Aug; 149(2):299–303

Sonography of subfascial hematoma after cesarean delivery.

Wiener MD, et al. **AJR** 1987 May;148(5):907–10

Sinus node shift after the Senning procedure compared with the Mustard procedure for transposition of the great arteries. Byrum CJ, et al. **Am J Cardiol** 1987 Aug 1; 60(4):346–50

Early transient multivalvular regurgitation detected by pulsed Doppler in cardiac transplantation. Cladellas M, et al. **Am J Cardiol** 1986 Nov 15;58(11):1122–4

Mycobacterium chelonae keratitis. Matoba A. **Am J Ophthalmol** 1987 Apr 15;103(4):595–6

Technique for intraoperative localization of urinary leakage. McFadden DW, et al. **Am J Surg** 1987 Sep;154(3):313–4

The pulse oximeter—an early warning device? [letter] Mason RA. **Anaesthesia** 1987 Jul;42(7):784–5

A reappraisal of the clinical diagnosis of postoperative deep vein thrombosis. Joffe SN. **Angiology** 1975 Jul–Aug; 26(7):521–3

Colonic ischemia after aorto–iliac surgery. Cormier JM. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):321–5 **(Eng, Fre)**

Atrial thrombi after the Fontan operation. Dobell AR, et al. **Ann Thorac Surg** 1986 Dec;42(6):664–7

Serum creatine kinase and lactate dehydrogenase isoenzyme levels in patients after major esophageal surgery, esophageal dilation, and acute myocardial infarction. Graeber GM, et al. **Ann Thorac Surg** 1987 Mar;43(3):279–84

Esophageal mucocele: a complication of blind loop esophagus. Kamath MV, et al. **Ann Thorac Surg** 1987 Mar; 43(3):263–9

Legionnaires' disease: an emerging surgical problem. Korvick JA, et al. **Ann Thorac Surg** 1987 Mar;43(3):341–7 (49 ref.)

Reflux patterns following limited myotomy without fundoplication for achalasia. Thomson D, et al. **Ann Thorac Surg** 1987 May;43(5):550–3

Two hearts in one chest. Curtiss EI, et al. **Arch Intern Med** 1986 Oct;146(10):2037–9

Ocular and adnexal complications of unilateral orbital advancement for plagiocephaly. Diamond GR, et al. **Arch Ophthalmol** 1987 Mar;105(3):381–5

Serum enzyme elevations. A diagnostic test for acute myocardial infarction during the early postoperative period. Killen DA. **Arch Surg** 1968 Feb;96(2):200–10

Pyoderma gangrenosum [letter] Sykes PA. **Br J Hosp Med** 1987 Apr;37(4):369

Escaped faecolith after appendicectomy. Chapman P, et al. **Br J Surg** 1986 Dec;73(12):1006

Prediction of postoperative pulmonary complications in oesophagogastric cancer surgery. Fan ST, et al. **Br J Surg** 1987 May;74(5):408–10

Value of nutritional parameters in the prediction of postoperative complications in elective gastrointestinal surgery. Leite JF, et al. **Br J Surg** 1987 May;74(5):426–9

Objective measurement by ultrasound to distinguish cyclosporin A toxicity from rejection. Parvin SD, et al. **Br J Surg** 1986 Dec;73(12):1009–11

Making reference: the cohesive use of pronouns in the narrative discourse of hemidecorticate adolescents. Lovett MW, et al. **Brain Lang** 1986 Nov;29(2):224–51

Cardiac dysrhythmia following pneumonectomy. Clinical correlates and prognostic significance. Krowka MJ, et al. **Chest** 1987 Apr;91(4):490–5

Cytomegalovirus pneumonitis and lobar consolidation. Schulman LL. **Chest** 1987 Apr;91(4):558–61

Two-dimensional and pulsed Doppler echocardiography in the postoperative evaluation of total anomalous pulmonary venous connection. Smallhorn JF, et al. **Circulation** 1987 Aug;76(2):298–305

Torulopsis glabrata osteomyelitis. A case report. Imahori SC, et al. **Clin Orthop** 1987 Jun;(219):214–20

Duplex ultrasound in the assessment of renal transplant complications. Murphy AM, et al. **Clin Radiol** 1987 May; 38(3):229–34

Predictive value of the stomach wall pH for complications after cardiac operations: comparison with other monitoring. Fiddian-Green RG, et al. **Crit Care Med** 1987 Feb; 15(2):153–6

The corneal endothelium as a standard for the assessment of complications in microsurgery. Draeger J, et al. **Dev Ophthalmol** 1987;13:30–5

Internal carotid artery thrombosis [letter] Seraj AA. **Ear Nose Throat J** 1987 Feb;66(2):78–80

Validity of laparoscopy after abdominal surgery. Orlando R, et al. **Endoscopy** 1987 Jul;19(4):150–2

Prediction of cardiac risk in non-cardiac surgery. Larsen SF, et al. **Eur Heart J** 1987 Feb;8(2):179–85

The value of cross-sectional echocardiography in detecting perioperative myocardial infarction following coronary artery bypass graft surgery. Ribeiro PA, et al. **Eur Heart J** 1986 Dec;7(12):1053–61

The role of urodynamic tests in micturitional pathology in gynecological oncology. Valente S. **Eur J Gynaecol Oncol** 1987;8(1):27–33

Evaluation of Doppler test for venous thrombosis in obstetrics and gynecology. Duncan SL, et al. **Eur J Obstet Gynecol Reprod Biol** 1974;4(4):127–31

Ultrasonographic diagnosis of infected lymphocele after kidney transplantation. Ridge JA, et al. **Eur Urol** 1987; 13(1–2):31–4

The role of fiberoptic endoscopy in the management of the continent ileostomy. Church JM, et al. **Gastrointest Endosc** 1987 Jun;33(3):203–9

Neuroleptic malignant syndrome as a possible postoperative complication: a case report. Kuhn WF, et al. **Gen Hosp Psychiatry** 1987 May;9(3):179–81

Examination of swallowing after total laryngectomy using manofluorography. McConnel FM, et al. **Head Neck Surg** 1986 Sep–Oct;9(1):3–12

Manofluorography of deglutition after supraglottic laryngectomy. McConnel FM, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):142–50

Chest radiographs in surgical intensive care patients: a valuable "routine". Horst HM, et al. **Henry Ford Hosp Med J** 1986;34(2):84–6

Doppler ultrasound examination of prosthetic function and ventricular blood flow after mitral valve replacement. Omoto R, et al. **Herz** 1986 Dec;11(6):346–50

Chronic subdural hematoma associated with external decompression for acute traumatic intracranial hematoma—report of two cases. Oki S, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):81–6

Supraventricular tachycardia after coronary bypass surgery. Hancock EW. **Hosp Pract [Off]** 1987 May 15;22(5):73, 76–7

Arrhythmias in atrial septal defect: a pre- and postoperative evaluation. Joy MV, et al. **Indian Heart J** 1986 Mar–Apr; 38(2):129–33

Cross-sectional echocardiography in recognition of left ventricular aneurysm following closed mitral valvotomy. Sharma S, et al. **Indian Heart J** 1986 May–Jun;38(3):192–4

Diagnostic evaluation of post cholecystectomy symptoms [editorial] Mathur SK, et al. **Indian J Gastroenterol** 1987 Jan;6(1):5–6

Infection of total knee arthroplasty. Insall JN. **Instr Course Lect** 1986;35:319–24

Endophthalmitis associated with filtering blebs. Mandelbaum S, et al. **Int Ophthalmol Clin** 1987 Summer;27(2):107–11 (17 ref.)

Postoperative endophthalmitis. Mandelbaum S, et al. **Int Ophthalmol Clin** 1987 Summer;27(2):95–106 (53 ref.)

Early detection and treatment of a leaking gastrojejunostomy following gastric bypass. Ovnat A, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):556–8

Postoperative acute acalculous cholecystitis. Jensen C, et al. **Ital J Surg Sci** 1987;17(1):27–30

Reflex sympathetic dystrophy as a cause of poor results after total knee arthroplasty. Katz MM, et al. **J Arthroplasty** 1986;1(2):117–24

Thrombotic thrombocytopenic purpura. Sarma PS, et al. **J Assoc Physicians India** 1986 Oct;34(10):739–41

Postoperative ulnar-nerve palsy. Are there predisposing factors? Alvine FG, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):255–9

Urinary retention in men after total hip arthroplasty. Redfern TR, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1435–8

Problems with serological diagnosis of Toxoplasma gondii infections in heart transplant recipients. Wreghitt TG, et al. **J Clin Pathol** 1986 Oct;39(10):1135–9

Bronchoalveolar lavage in heart–lung transplantation. Gryzan S, et al. **J Heart Transplant** 1985 Jul–Aug; 4(4):414–6

Long-term follow-up of the Senning operation for transposition of the great arteries in children under 3 months of age. Rubay JE, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):75–81

Posttransplant lymphoma. Sonographic characteristics of renal allograft involvement. Russ PD, et al. **J Ultrasound Med** 1987 Aug;6(8):453–6

Desmoid tumors [editorial] Donohue JP. **J Urol** 1987 Jul; 138(1):112

Retroperitoneal mass and elevation of alpha-fetoprotein following lymphadenectomy and adjuvant chemotherapy for nonseminomatous testicular cancer [clinical conference] Fowler JE Jr, et al. **J Urol** 1987 Jun;137(6):1216–8

Urodynamic evaluation of ileal conduit function. Knapp PM Jr, et al. **J Urol** 1987 May;137(5):929–32

Mesenteric desmoid tumor presenting as an abdominal mass following salvage cystectomy for invasive bladder cancer. Pasciak RM, et al. **J Urol** 1987 Jul;138(1):145–6

Clinical and technical factors influencing recurrent carotid stenosis and occlusion after endarterectomy. Ouriel K, et al. **J Vasc Surg** 1987 May;5(5):702–6

Compartmental pressure monitoring after arterial reconstruction lacks clinical relevance. Qvarfordt P, et al. **J Vasc Surg** 1987 Aug;6(2):202–3

Postoperative deep body temperature rhythm. Narumi J, et al. **Jpn J Surg** 1987 May;17(3):209–12

Delayed diagnosis of pneumococcal sepsis post-splenectomy [letter] Walker J, et al. **Lancet** 1987 Jan 31;1(8527):283

The use of magnetic resonance imaging in the diagnosis of postoperative lumbar conditions. Weisz GM, et al. **Med J Aust** 1987 Jan 19;146(2):99–101

An unusual infection after renal transplantation [clinical conference] Wilcken DE, et al. **Med J Aust** 1986 Nov 17; 145(10):513–7

Fatal paradoxical cerebral thromboembolus. Golfus GR, et al. **Minn Med** 1987 Feb;70(2):82–4

Unusual complication in a patient with renal transplantation: cerebral cysticercosis. Gordillo-Paniagua G, et al. **Nephron** 1987;45(1):65–7

Variables associated with postoperative deep venous thrombosis: a prospective study of 411 gynecology patients and creation of a prognostic model. Clarke-Pearson DL, et al. **Obstet Gynecol** 1987 Feb;69(2):146–50

Ovarian remnant syndrome. Steege JF. **Obstet Gynecol** 1987 Jul;70(1):64–7

Postoperative urinary retention. Guidelines and an algorithm. Singer AJ, et al. **Postgrad Med** 1987 Apr;81(5):154–6

Diagnostic challenges following cardiac transplantation. Guthaner DF, et al. **Radiol Clin North Am** 1987 Mar; 25(2):367–76 (24 ref.)

Failed temporomandibular joint prostheses: MR imaging. Kneeland JB, et al. **Radiology** 1987 Oct;165(1):179–81

Lumbar spine: postoperative assessment with surface-coil MR imaging. Ross JS, et al. **Radiology** 1987 Sep; 164(3):851–60

Pressure-induced expansion of the maxillary sinus. A rare entity. Sobin A, et al. **Rhinology** 1986 Dec;24(4):283–6

Enterobacter bacteremia in surgical patients. Burchard KW, et al. **Surgery** 1986 Nov;100(5):857–62

Liver transplantation in children: role of the radiologist in the preoperative assessment and the postoperative follow-up. Claus D, et al. **Transplant Proc** 1987 Aug; 19(4):3344–57

Abdominal actinomycosis. Hadary A, et al. **Z Kinderchir** 1986 Aug;41(4):239–40

Immunologic defects as possible causes of therapeutic failures in children with transposition of the great arteries. Marek-Szydłowska T, et al. **Z Rechtsmed** 1987; 98(2):119–23

Ultrasound surveillance of pregnancies after metroplasty for septate uterus. Papp Z, et al. **Zentralbl Gynakol** 1986; 108(21):1307–11

Iatrogenic lumbar pseudomeningocele. Rocca A, et al. **Zentralbl Neurochir** 1986;47(4):311–5

[Use of echography in diagnosing postoperative abdominal complications in childhood] Mikhova M, et al. **Khirurgiia (Sofiia)** 1987;40(3):63–6 (Eng. Abstr.) **(Bul)**

[Postoperative hypoxemia] Astrup G, et al. **Ugeskr Laeger** 1987 Feb 2;149(6):365–8 (Eng. Abstr.) **(Dan)**

[Perioperative myocardial infarct following aortocoronary bypass. Clinical aspects, causes, consequences] Metzger JP, et al. **Arch Mal Coeur** 1986 Aug;79(9):1311–7 (Eng. Abstr.) **(Fre)**

[Value of magnetic resonance imaging in the diagnosis of recurrent postoperative lumbosciatica] Frocrain L, et al. **J Radiol** 1987 May;68(5):381–5 (Eng. Abstr.) **(Fre)**

[Postoperative echographic surveillance] Portafaix M, et al. **Neurochirurgie** 1986;32(6):568–71 (Eng. Abstr.) **(Fre)**

[Value of the assay of D-dimer in the diagnosis of postoperative thromboembolic disease (letter)] Levy G, et al. **Presse Med** 1986 Oct 25;15(37):1878–9 **(Fre)**

[Postoperative noninfectious febrile states] Massarenti F, et al. **Rev Med Suisse Romande** 1986 Nov;106(11):985–92 **(Fre)**

[Comparison of methods for the relative quantification of the hump in cardiokymographic tracings] Mühlberger V, et al. **Acta Med Austriaca** 1987;14(2):41–6 (Eng. Abstr.) **(Ger)**

[The resected struma: diagnosis, prevention of recurrence, therapy] Fritzsche H. **Acta Med Austriaca [Suppl]** 1986; 34:1–38 (Eng. Abstr.) **(Ger)**

[Significance of meningitis as a complication of spinal anesthesia] Eisler K, et al. **Anaesthesist** 1987 Feb;36(2):76–7 (Eng. Abstr.) **(Ger)**

[Drug intolerance reactions in the perioperative phase—pathophysiology, diagnosis, therapy] Theissen J, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):256–61 (Eng. Abstr.) **(Ger)**

[Duplex sonography of the carotid artery following neck dissection. Initial experiences in tumor after care] Dieckmann J, et al. **Fortschr Kiefer Gesichtschir** 1987; 32:150–2 **(Ger)**

[Long-term fluorescence angiography studies following vitrectomy in proliferative diabetic retinopathy] Emmerich KH, et al. **Fortschr Ophthalmol** 1986;83(4):474–6 (Eng. Abstr.) **(Ger)**

[Comparison of functional and dioptric aniseikonia following unilateral implantation of a posterior chamber lens] Ratzel T, et al. **Fortschr Ophthalmol** 1986;83(6):680–1 (Eng. Abstr.) **(Ger)**

[Keratoplasty and immune reactions: clinical picture—differential diagnosis] Severin M. **Fortschr Ophthalmol** 1987;84(2):135–41 (Eng. Abstr.) **(Ger)**

[Preoperative prediction of expected postoperative visual acuity in cataract surgery with intraocular lens implantation] Strobel J, et al. **Fortschr Ophthalmol** 1986; 83(6):673–4 (Eng. Abstr.) **(Ger)**

[Lymphocysts following radical abdominal surgery with lymphadenectomy. Case report] Goebe L, et al. **Geburtshilfe Frauenheilkd** 1987 Mar;47(3):208–9 (Eng. Abstr.) **(Ger)**

[Sonography of postoperative complications] Klug PW. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):835–8 (Eng. Abstr.) **(Ger)**

[Planimetric studies of the behavior of the visual field following glaucoma operations] Fuhrmeister H, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):456–9 (Eng. Abstr.) **(Ger)**

[Neopterin in the serum and urine in the differential diagnosis of disorders of kidney function following kidney transplantation] Wolf J, et al. **Klin Wochenschr** 1987 Mar 2;65(5):225–31 (Eng. Abstr.) **(Ger)**

[Diagnosis of peritoneovenous shunt occlusion] Klepetko W, et al. **Langenbecks Arch Chir** 1987;371(1):39–48 (Eng. Abstr.) **(Ger)**

[Effectiveness of after-care in colonic cancer] Mentges B,

et al. **Langenbecks Arch Chir** 1987;370(4):223–34 (Eng. Abstr.) **(Ger)**

[Voice quality following CO2 laser cordectomy] Höfler H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):655–8 (Eng. Abstr.) **(Ger)**

[Cancer of the operated stomach. A retrospective study] Coenen C, et al. **Med Klin** 1986 May 27;81(12):414–8 (Eng. Abstr.) **(Ger)**

[Salmonella osteomyelitis (Salmonella infection with manifestation in the tibia] Häring M. **Unfallchirurgie** 1986 Dec;12(6):345–6 (Eng. Abstr.) **(Ger)**

[Value of percutaneous diagnosis and therapeutic procedures in obstructive uropathy following kidney transplantation] Beer M, et al. **Urologe [A]** 1987 May;26(3):137–41 (Eng. Abstr.) **(Ger)**

[Hemodynamic findings in extra–intracranial anastomoses (EIA) after a long period of time and lesions of the internal carotid artery] Hirschl M, et al. **Vasa** 1987;16(2):119–23 (Eng. Abstr.) **(Ger)**

[New knowledge of the modifiability of QRS amplitudes of the surface electrocardiogram of the transplanted human heart] Krichuber EA. **Wien Med Wochenschr** 1987 Jan 15; 137(1):27–9 (Eng. Abstr.) **(Ger)**

[After-care of colorectal tumor patients] Gibel W, et al. **Z Arztl Fortbild (Jena)** 1987;81(11):545–7 **(Ger)**

[Incidence and significance of cytomegalovirus infections following kidney transplantation] Gärtner L, et al. **Z Gesamte Hyg** 1986 Oct;32(10):601–3 (Eng. Abstr.) **(Ger)**

[Stress-induced changes in the R amplitude in the ECG in patients with arterial hypertension and chronic ischemic heart disease and following aortocoronary venous bypass] Bartho M, et al. **Z Gesamte Inn Med** 1987 May 1; 42(9):239–41 (Eng. Abstr.) **(Ger)**

[Immunologic studies using the leukocyte adherence inhibition test in the diagnosis and postoperative follow-up of breast cancer] Storch H, et al. **Z Gesamte Inn Med** 1987 Jan 15;42(2):41–4 (Eng. Abstr.) **(Ger)**

[Noninvasive assessment of an aortic bioprosthesis malfunction with Doppler echocardiography] Fischer JL, et al. **Z Kardiol** 1987 May;76(5):309–14 (Eng. Abstr.) **(Ger)**

[Immunologic-cytologic monitoring of heart transplant patients] Hammer C. **Z Kardiol** 1986;75 Suppl 5:121–3 **(Ger)**

[18 years after a penetrating heart injury: follow-up] Treese N, et al. **Z Kardiol** 1986 Nov;75(11):695–9 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of intraperitoneal cerebrospinal fluid pseudocyst in ventriculoperitoneal cerebrospinal fluid shunts in patients with hydrocephalus] Deindl C, et al. **Z Kinderchir** 1986 Oct;41(5):295–8 (Eng. Abstr.) **(Ger)**

[Neurologic complications in implantation of knee endoprostheses. A clinical and EMG-documented study] Engelhardt P, et al. **Z Orthop** 1987 Mar–Apr;125(2):190–3 (Eng. Abstr.) **(Ger)**

[Initial results of tm-PAH studies in children with kidney transplants] Devaux S, et al. **Z Urol Nephrol** 1986 Nov; 79(11):679–83 (Eng. Abstr.) **(Ger)**

[2-year study of gingival recession behavior following surgical vestibular extensions with a pedicled graft] Mieler I, et al. **Zahn Mund Kieferheilkd** 1986;74(7):691–8 (Eng. Abstr.) **(Ger)**

[Syndrome shift following resection of a pathologic intestine and construction of an anus praeter: a comparison of ulcerative colitis, Crohn disease, rectal cancer and familial polyposis] Klussmann R, et al. **Zentralbl Chir** 1987; 112(5):273–9 (Eng. Abstr.) **(Ger)**

[Delirium tremens in a surgical patient sample] Liczkowski B, et al. **Zentralbl Chir** 1987;112(7):469–71 **(Ger)**

[Oesophagomanometric studies in surgical treatment of esophagocardial achalasia] Pahlisch F, et al. **Zentralbl Chir** 1987;112(13):835–42 (Eng. Abstr.) **(Ger)**

[Immediate disorders of urination following radical hysterectomy in cervix cancer] Asmussen M, et al. **Zentralbl Gynakol** 1987;109(4):222–7 (Eng. Abstr.) **(Ger)**

[Metastasis following curatively treated cervix cancer] Goebe L. **Zentralbl Gynakol** 1987;109(4):243–7 (Eng. Abstr.) **(Ger)**

[Candidal endocarditis of a prosthetic aortic valve] Edelman D, et al. **Harefuah** 1986 Aug;111(3–4):78–9 (Eng. Abstr.) **(Heb)**

[The role of real-time sonography in the differential diagnosis of postoperative complications] Regöly-Mérei J, et al. **Orv Hetil** 1987 Aug 16;128(33):1723–30 (Eng. Abstr.) **(Hun)**

[A comparative study of clinical signs, computed tomography, and electroencephalography after direct operation of ruptured anterior communicating aneurysms—Part I: Analysis of the cases with mental signs of mild degree] Kitaoka K, et al. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):322–31 (Eng. Abstr.) **(Jpn)**

[Tricuspid regurgitation after corrective surgery of ventricular septal defect: evaluation using pulsed Doppler echocardiography] Saito A, et al. **J Cardiogr** 1985 Dec; 15(4):1237–49 (Eng. Abstr.) **(Jpn)**

[Renal function after open heart surgery—clinical evaluation of beta 2-microglobulin concentration in serum and urine] Hioki M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):75–81 (Eng. Abstr.) **(Jpn)**

[Impedance rheography in the diagnosis of various complications after correction of congenital heart defects in children] Szafjański B, et al. **Pediatr Pol** 1986 Oct; 61(10):620–8 (Eng. Abstr.) **(Pol)**

[Role of ultrasonic examination in the diagnosis of lesions of the transplanted kidney] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Mar–Apr;50(2):112–6 (Eng. Abstr.) **(Pol)**

[Postoperative spondylodiscitis] Rusu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):55–9 (Eng. Abstr.) **(Rum)**

[Prognosis of the complications following cesarean section surgery] Kadyrova AA, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):37–8 (Eng. Abstr.) **(Rus)**

[Echocardiographic diagnosis of specific complications of heart valve prosthesis in the early postoperative period] Lebedeva Rn, et al. **Anesteziol Reanimatol** 1987 Mar–Apr; (2):3–9 (Eng. Abstr.) **(Rus)**

[Modern diagnostic methods and the antibiotic sensitivity of the gram-negative causative agents of suppurative-inflammatory diseases of the extrahepatic bile ducts] Bekbergenov BM, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):227–30 (Eng. Abstr.) **(Rus)**

[Characteristics of the immediate postoperative period in patients undergoing subtotal pericardectomy] Selivanenko VT, et al. **Grudn Khir** 1986 Nov–Dec;(6):31–4 (Eng. Abstr.) **(Rus)**

[Echocardiography in the diagnosis of paravalvular fistulae in mitral prosthesis] Zaretskii VV, et al. **Kardiologiia** 1986 Jun;26(6):71–3 (Eng. Abstr.) **(Rus)**

[Rupture of a cyst of small intestinal mesentery simulating postoperative peritonitis] Salimzhanov NN, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):127 **(Rus)**

[Complications following a segmental pancreatic autograft] Podpriatov SE, et al. **Klin Khir** 1986;(11):24–5 (Eng. Abstr.) **(Rus)**

[Thermography and radionuclide scintigraphy in reconstructive plastic operations following radical mastectomy] Gladilina IA, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):33–6 (Eng. Abstr.) **(Rus)**

[Reflexometry: an early prognostic test for assessing postoperative hypothyroidism] Ibragim MD, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):18–20 (Eng. Abstr.) **(Rus)**

[Control and correction of the formation of fibrothorax after pulmonectomy using ultrasonic echotomography] Naumov VN, et al. **Probl Tuberk** 1987;(5):43–5 (Eng. Abstr.) **(Rus)**

[Characteristics of nasal breathing and of the surgical procedure in nose deformities following the primary operation for unilateral cleft upper lip] Vissarionov VA, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):49–50 (Eng. Abstr.) **(Rus)**

[Determination of the enzyme activity of the blood serum in the diagnosis of liver diseases in patients following a kidney transplant] Jung K, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):47–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the course and surgical treatment of septic endocarditis with infection of mechanical and biological mitral valve prostheses] Cherepenin LP, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):29–33 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course and treatment of postoperative adhesive obstruction] Askerkhanov RP, et al. **Vestn Khir** 1986 Sep;137(9):125–9 **(Rus)**

[Luminescence laparoscopy in abdominal surgery] Brovkin VA. **Vestn Khir** 1987 Mar;138(3):24–7 (Eng. Abstr.) **(Rus)**

[Thoracoscopic diagnosis and treatment of postoperative residual cavities] Ioffe DTs, et al. **Vestn Khir** 1987 Mar; 138(3):16–8 (Eng. Abstr.) **(Rus)**

[Postvagotomy reflux gastritis] Maistrenko NA. **Vestn Khir** 1986 Oct;137(10):13–7 (Eng. Abstr.) **(Rus)**

[Postoperative hemobilia (diagnosis and therapeutic procedure)] Shidlovskii VA. **Vestn Khir** 1987 Apr; 138(4):108–11 **(Rus)**

[Potentials of rheovasography in assessing circulatory disorders in the postoperative period in children] Timoshchenko OA, et al. **Vestn Khir** 1987 Apr;138(4):76–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the occurrence and course of ciliochoroidal detachments with the shallow anterior chamber syndrome] Pisetskaia SF. **Vestn Oftalmol** 1987 May–Jun;103(3):11–3 (Eng. Abstr.) **(Rus)**

[Prognosis of the inflammatory complications after radical operations for cancer of the colon and rectum] Kudriashov VK, et al. **Vopr Onkol** 1987;33(4):66–9 (Eng. Abstr.) **(Rus)**

[Importance of ultrasonic study in the diagnosis of the postcholecystectomy syndrome] Shalimov SA, et al. **Vrach Delo** 1986 Dec;(12):44–6 (Eng. Abstr.) **(Rus)**

[Etiological analysis of false aneurysms of the common femoral artery after direct arterial surgery] Fernández Valenzuela V, et al. **Angiologia** 1987 May–Jun;39(3):125–36 (Eng. Abstr.) **(Spa)**

[Gross articulatory substitutions in the diagnosis and treatment of velo-pharyngeal insufficiency] Ysunza A, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):81–5 (Eng. Abstr.) **(Spa)**

DIET THERAPY

The effect of changes in dietary sodium content on complaints and clinical parameters of volume depletion in patients with a permanent ileostomy. Haalboom JR, et al. **Z Gastroenterol** 1987 Mar;25(3):168–74

DRUG THERAPY

The acute effect of ajmaline on ventricular arrhythmia after cardiac surgery. Szatmáry L, et al. **Acta Med Hung** 1986; 43(3):321–31

Transcatheter intracavitary fibrinolysis of infected extravascular hematomas. Vogelzang RL, et al. **AJR** 1987 Feb;148(2):378–80

Comparison of esmolol and nitroprusside for acute post-cardiac surgical hypertension. Gray RJ, et al. **Am J Cardiol** 1987 Apr 1;59(8):887–91

Treatment of chronic pleural effusions after the Fontan procedure with prednisone. Rothman A, et al. **Am J Cardiol** 1987 Aug 1;60(4):408–9

Intravenous labetalol for treatment of postoperative hypertension. Leslie JB, et al. **Anesthesiology** 1987 Sep; 67(3):413–6

Resistance to calcitriol therapy in postsurgical hypoparathyroidism [letter] Barzel US. **Ann Intern Med** 1986 Dec;105(6):970–1

Obliterative bronchiolitis after heart–lung transplantation: apparent arrest by augmented immunosuppression. Glanville AR, et al. **Ann Intern Med** 1987 Sep;107(3):300–4

Effects of beta-aminopropionitrile after glaucoma filtration surgery: pilot human trial. Moorhead LC, et al. **Ann Ophthalmol** 1987 Jun;19(6):223–5

Nocardial endocarditis of an aortic valve prosthesis. Ertl G, et al. **Br Heart J** 1987 Apr;57(4):384–6

Treatment of postoperative gastrointestinal atony. Verlinden M, et al. **Br J Surg** 1987 Jul;74(7):614–7

Therapeutic rounds. Digitalis toxicity. Garfinkel D, et al. **Clin Ther** 1987;9(4):358–9, 434–5

Spontaneous persistent epithelial defects after cataract surgery. Nishida T, et al. **Cornea** 1987;6(1):32–7

Successful use of nitroglycerin to treat postoperative pulmonary hypertension. Rasch DK, et al. **Crit Care Med** 1987 Jun;15(6):616–7

Cardiovascular time course in patients with postoperative myocardial dysfunction requiring catecholamine administration. Cook LS, et al. **Curr Surg** 1987 Mar–Apr; 44(2):124–7

Ceruletide and neostigmine in postoperative intestinal paralysis. A double-blind clinical controlled trial. Madsen PV, et al. **Dis Colon Rectum** 1986 Nov;29(11):712–3

Cholestyramine ointment in the treatment of perianal skin irritation following ileoanal anastomosis. Møller P, et al. **Dis Colon Rectum** 1987 Feb;30(2):106–7

A new paracetamol/paracetamol-methionine ester combination effects on postoperative course. Skoglund LA. **Eur J Clin Pharmacol** 1986;31(1):45–8

Ketoconazole: a study in delayed post operative fungal endophthalmitis patients intolerant to amphotericin B. Lal B, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):299–302

Clinical evaluation of nonsteroidal anti–inflammatory drugs in postoperative inflammation following cataract surgery. Shaikh MH, et al. **Indian J Ophthalmol** 1985 Jul–Aug; 33(4):233–7

Hemorrhoidectomy in a hemophiliac with factor VIII inhibitors. Murali MS, et al. **Indiana Med** 1987 Apr; 80(4):332–3

Treatment of surgical infections with a modern quinolone: therapy of soft tissue infections and pneumonia with ofloxacin. Fritzen T, et al. **Infection** 1986;14 Suppl 4:S293–6

Influence of thymopentin on postsurgical immune deficiency: a clinical pilot study. Faist E, et al. **Int J Clin Pharmacol Res** 1987;7(1):83–7

Randomized study of minocycline + gentamicin compared with metronidazole + gentamicin for prophylaxis or treatment of mixed infections in abdominal surgery. Legrand JC, et al. **Int J Clin Pharmacol Res** 1986;6(5):361–8

Evaluation of anti–inflammatory property of curcumin (diferuloyl methane) in patients with postoperative inflammation. Satoskar RR, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):651–4

Steroid therapy of postcryotherapy inflammation [letter] Spiro J, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):306

Ganciclovir treatment of cytomegalovirus disease in transplant recipients and other immunocompromised hosts. Erice A, et al. **JAMA** 1987 Jun 12;257(22):3082–7

Cisapride in postoperative gastroparesis [letter] Cullen PT, et al. **Lancet** 1987 Jan 3;1(8523):47

Ciprofloxacin for cholangitis after hepatic portoenterostomy [letter] Houwen RH, et al. **Lancet** 1987 Jun 13;1(8546):1367

Blind evaluation of the effect of octreotide (SMS 201–995), a somatostatin analogue, on small-bowel fistula output. Nubiola-Calonge P, et al. **Lancet** 1987 Sep 19;2(8560):672–4

Local treatment of ulcers in diabetic foot with human growth hormone [letter] Waagø H. **Lancet** 1987 Jun 27; 1(8548):1485

Pharmacologic management of the critically ill patient in the perioperative period—emphasis on the sepsis syndrome. Chernow B, et al. **Med Clin North Am** 1987 May; 71(3):541–9 (62 ref.)

Effect of calcitriol in the control of plasma calcium after parathyroidectomy. A placebo-controlled, double-blind study in chronic hemodialysis patients. Clair F, et al. **Nephron** 1987;46(1):18–22

Successful treatment of Paecilomyces lilacinus endophthalmitis following cataract extraction with intraocular lens implantation. Levin PS, et al.

Ophthalmic Surg 1987 Mar;18(3):217-9

Streptokinase in the management of limb arterial thrombosis following free-flap surgery. Cangé S, et al. **Plast Reconstr Surg** 1987 Jun;79(6):974-6

Streptokinase salvage of a free-tissue transfer: case report and review of the literature. Lipton HA, et al. **Plast Reconstr Surg** 1987 Jun;79(6):977-81

Control of postoperative hypertension in the patient with a hyperdynamic left ventricle. A case report. Vanker EA, et al. **S Afr J Surg** 1986 Dec;24(4):167-8

Cisapride does not reduce postoperative paralytic ileus. von Ritter C, et al. **S Afr J Surg** 1987 Mar;25(1):19-21

Beta-adrenoceptor blockade in the treatment of postoperative adynamic ileus. Hallerbäck B, et al. **Scand J Gastroenterol** 1987 Mar;22(2):149-55

Small bowel fistulas treated with somatostatin: preliminary results. Geerdsen JP, et al. **Surgery** 1986 Nov;100(5):811-4

Penile self-injection for impotence in patients after radical cystectomy-ileal loop. Al-Juburi AZ, et al. **Urology** 1987 Jul;30(1):29-30

[Postoperative therapeutic effect of amiodarone on the conversion of chronic atrial fibrillation in rheumatic heart disease] Huang ZD, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):74-6, 124 (Eng. Abstr.) **(Chi)**

[Toward a rational strategy in the treatment of postoperative bacterial endophthalmia] Salvanet-Bouccara A, et al. **J Fr Ophtalmol** 1986;9(8-9):523-32 (Eng. Abstr.) **(Fre)**

[Treatment of neurosurgical bacterial meningitis using the combination of ceftriaxone-fosfomycin] Stahl JP, et al. **Pathol Biol (Paris)** 1986 May;34(5):479-82 (Eng. Abstr.) **(Fre)**

[Side effects of gentamycin following implantation of PMMA containing gentamycin in the form of bead chains] Walenkamp GH, et al. **Aktuel Probl Chir Orthop** 1987; 31:254-6 **(Ger)**

[High-dose thiopental infusion in cerebral dysfunction following extracorporeal circulation] Wiedemann K, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):73-7 (Eng. Abstr.) **(Ger)**

[Clinical experience with imipenem/cilastatin in the treatment of severe infections in general surgery] Mayer M, et al. **Infection** 1986;14 Suppl 2:S160-3 (Eng. Abstr.) **(Ger)**

[Efficacy and tolerance of imipenem/cilastatin in the treatment of surgical infections with and without bone involvement] Voeckl J, et al. **Infection** 1986;14 Suppl 2:S154-9 (Eng. Abstr.) **(Ger)**

[Effect and tolerance of daily 2 X 1 g imipenem/cilastatin in general surgery] Wenzel M, et al. **Infection** 1986;14 Suppl 2:S148-53 (Eng. Abstr.) **(Ger)**

[Timoptol in the after-care following argon laser trabeculoplasty] Tenner A, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):215-6 (Eng. Abstr.) **(Ger)**

[Clonidine therapy of "paradoxical hypertension" following surgery of isolated stenosis of the aortic isthmus in childhood] Schreiber R, et al. **Klin Padiatr** 1986 Jul-Aug; 198(4):326-9 (Eng. Abstr.) **(Ger)**

[Reversible azathioprine associated dysmyeloproliferative syndrome after kidney allotransplantation] Bammatter F, et al. **Klin Wochenschr** 1987 Jul 1;65(13):620-4 (Eng. Abstr.) **(Ger)**

[Monitoring drug therapy in venous thrombosis] Tilsner V. **Langenbecks Arch Chir** 1986;369:589-94 (Eng. Abstr.) **(Ger)**

[Effect of the calcium antagonist diltiazem on acute kidney failure following kidney transplantation. Results of 2 prospective randomized studies] Wagner K, et al. **Med Klin** 1987 Mar 13;82(5):171-7 (Eng. Abstr.) **(Ger)**

[Local fibrinolytic therapy in thrombotic complications of peritoneovenous shunt] Billmann P, et al. **Z Gastroenterol** 1986 Aug;24(8):426-9 (Eng. Abstr.) **(Ger)**

[Optimization of osmotherapy using an intracranial pressure-dependent automatic control system in the postoperative phase following cerebral interventions] Brachmann J, et al. **Zentralbl Neurochir** 1987;48(1):18-29 (Eng. Abstr.) **(Ger)**

[Evaluation of the clinical effectiveness of cefobid (cefoperazone sodium) in the treatment of surgical infections] Morino F, et al. **Minerva Chir** 1986 Sep 30; 41(17-18):1505-8 (Eng. Abstr.) **(Ita)**

[The use of sintropium bromide, a new spasmolytic, in obstetrics and gynecology] Maritati V, et al. **Minerva Ginecol** 1986 Nov;38(11):965-9 (Eng. Abstr.) **(Ita)**

[A study on hemorrhage during and after operation of TURP (transurethral prostatic resection)--effect of morphine or buprenorphine for suppression of postoperative hemorrhage by epidural infusion] Kato H, et al. **Hinyokika Kiyo** 1986 Jun;32(6):827-33 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies on cefotaxime in plastic and reconstructive surgery] Matsumoto T, et al. **Jpn J Antibiot** 1987 Feb;40(2):311-24 (Eng. Abstr.) **(Jpn)**

[Successful thrombolytic therapy of thrombosed Björk-Shiley aortic valve prosthesis: report of two cases] Atsumi N, et al. **Kyobu Geka** 1987 Jun;40(7):562-7 (Eng. Abstr.) **(Jpn)**

[Fibrinolytic therapy of thrombus on a prosthetic heart valve] Shigenobu M, et al. **Kyobu Geka** 1987 Feb;40(3):227-30 (Eng. Abstr.) **(Jpn)**

[Effects of an anti-prostaglandin agent added to the irrigation solution on retinal edema in rabbit eyes induced by pars plana vitrectomy] Shimada H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):360-75 (Eng. Abstr.) **(Jpn)**

[Effect of propranolol on intractable ascites following liver resection] Ohzato H, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1330-4 (Eng. Abstr.) **(Jpn)**

[Progress of chemotherapy in various fields--surgery (postoperative infections)] Iwai S. **Nippon Rinsho** 1986 Apr; 44(4):884-8 (9 ref.) **(Jpn)**

[Therapy of postoperative hypoxia following mediastinal lymph node excision of esophageal cancer] Kabuto T, et al. **Nippon Rinsho** 1987 Feb;45(2):389-94 **(Jpn)**

[Use of beta-adrenoblockers after an operation in the development of functional pulmonary artery stenosis] Frantsev VI, et al. **Kardiologiia** 1987 Jun;27(6):105-6 **(Rus)**

[Effect of sodium nitroprusside on the hemodynamic and gas exchange indices of patients with heart failure after mitral valve prosthesis] Vladimirov PV, et al. **Kardiologiia** 1987 Apr;27(4):71-4 (Eng. Abstr.) **(Rus)**

[Correction of the hemodynamic disorders following abdominal surgical interventions in children] Doletskil AS. **Khirurgiia (Mosk)** 1986 Aug;(8):82-5 (Eng. Abstr.) **(Rus)**

[Treatment of disorders in the lesser circulation following closed mitral commissurotomy by the combined use of cordanum and sodium nitroprusside] Kleinerman VE, et al. **Vestn Khir** 1986 Oct;137(10):116-9 (Eng. Abstr.) **(Rus)**

ECONOMICS

Postoperative complications: how much do they cost? de la Hunt MN, et al. **Ann R Coll Surg Engl** 1986 Jul; 68(4):199-202

A cost-effectiveness analysis of prophylaxis against deep-vein thrombosis in major orthopedic surgery. Oster G, et al. **JAMA** 1987 Jan 9;257(2):203-8

Impact of prophylactic therapy for postoperative thromboembolism on prospective payment. Hamilton CW, et al. **Pharmacotherapy** 1986 Jul-Aug;6(4 Pt 2):23S-27S (14 ref.)

The costs and dynamics of surgical morbidity and mortality. Muñoz E, et al. **Surgery** 1986 Nov;100(5):905-11

ENZYMOLOGY

Enzymatic changes following endoscopic papillotomy. Thomson HJ, et al. **J R Coll Surg Edinb** 1987 Feb; 32(1):19-21

ETIOLOGY

Surgical complications in human orthotopic liver transplantation. Lerut J, et al. **Acta Chir Belg** 1987 May-Jun;87(3):193-204

The donor factor in hypertension after renal transplantation. Strandgaard S, et al. **Acta Med Scand [Suppl]** 1986; 714:49-53

Neuro-ophthalmological complications of coronary artery bypass graft surgery. Shaw PJ, et al. **Acta Neurol Scand** 1987 Jul;76(1):1-7

Failures in total hip replacement. A long-time follow-up. Hedeboe J, et al. **Acta Orthop Belg** 1986 May-Jun; 52(3):405-14

Socket wall addition for dislocating total hip. Report of two cases. Mogensen B, et al. **Acta Orthop Scand** 1986 Aug; 57(4):373-4

Our experience with total endoprosthesis of the hip joint. Hampel F, et al. **Acta Univ Palacki Olomuc Fac Med** 1985; 111:377-80

The present possibilities in stereotactic psychosurgery. Lisonková D, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:417-21

Surgical complications and follow-up evaluation of 163 patients with subcutaneous mastectomy. Holzgreve W, et al. **Aesthetic Plast Surg** 1987;11(1):45-8

Complications of percutaneous nephrolithotomy. Lee WJ, et al. **AJR** 1987 Jan;148(1):177-80

Outpatient peripheral angioplasty: survey of complications and patients' perceptions. Lemarbre L, et al. **AJR** 1987 Jun;148(6):1239-42

Hydropneumopericardium with tamponade as a late complication of surgical repair of hiatus hernia. de Bruyne B, et al. **Am Heart J** 1987 Aug;114(2):444-6

Symptomatic pulmonary venous obstruction in adolescence after Mustard's repair of transposition in infancy. Campbell RM, et al. **Am J Cardiol** 1987 May 1;59(12):1218-20

Junctional tachycardia in infants and children after open heart surgery for congenital heart disease. Grant JW, et al. **Am J Cardiol** 1987 May 1;59(12):1216-8

Obstructed pulmonary venous drainage with total anomalous pulmonary venous connection to the coronary sinus. Jonas RA, et al. **Am J Cardiol** 1987 Feb 15;59(5):431-5

Early thrombosis of a porcine bioprosthesis in the aortic valve position. Lesnefsky EJ, et al. **Am J Cardiol** 1986 Nov 15;58(11):1120-1

Spasm of saphenous veins used as conduits for aortocoronary bypass grafting. Mann JM, et al. **Am J Cardiol** 1987 Apr 15;59(9):1000-2

Rupture of the ventricular septum or left ventricular free wall from acute myocardial infarction early after coronary artery bypass grafting. Mann JM, et al. **Am J Cardiol** 1987 Aug 1;60(4):374-5

Frequency of ventricular late potentials and fractionated right ventricular electrograms after operative repair of tetralogy of Fallot. Zimmermann M, et al. **Am J Cardiol** 1987 Feb 15;59(5):448-53

Microbial flora in the bypassed jejunum of patients with biliopancreatic bypass for obesity. Prakash G, et al. **Am J Clin Nutr** 1987 Aug;46(2):273-6

Upper extremity lymphedema secondary to mammary cancer treatment. Lerner R, et al. **Am J Clin Oncol** 1986 Dec; 9(6):481-7

Vesicoureteral reflux and urinary tract infections in renal transplant recipients. Hanevold CD, et al. **Am J Dis Child** 1987 Sep;141(9):982-4

Early and late forms of cyclosporine nephrotoxicity: studies in cardiac transplant recipients. Greenberg A, et al. **Am J Kidney Dis** 1987 Jan;9(1):12-22

Suprachoroidal hemorrhage after glaucoma filtering surgery. Givens K, et al. **Am J Ophthalmol** 1987 May 15; 103(5):689-94

Intrusion of retinal tacks. Lewis H, et al. **Am J Ophthalmol** 1987 May 15;103(5):672-80

Complications of the surgical treatment of obesity [letter] Ernsberger P. **Am J Psychiatry** 1987 Jun;144(6):833-4

On alexithymic expression and behavior [letter] Gorton GE. **Am J Psychiatry** 1986 Dec;143(12):1628-9

Postsplenectomy infection in patients with chronic leukemia. Mower WR, et al. **Am J Surg** 1986 Dec;152(6):583-6 (13 ref.)

Perioperative blood transfusion associated with infectious complications after colorectal cancer operations. Tartter PI, et al. **Am J Surg** 1986 Nov;152(5):479-82

Post-thyroidectomy hypocalcemia. Incidence and risk factors. Wingert DJ, et al. **Am J Surg** 1986 Dec; 152(6):606-10

Extreme dyspnea from unilateral pulmonary venous obstruction. Demonstration of a vagal mechanism and relief by right vagotomy. Davies SF, et al. **Am Rev Respir Dis** 1987 Jul;136(1):184-8

Human heart-lung transplantation: physiologic aspects of the denervated lung and post-transplant obliterative bronchiolitis. Estenne M, et al. **Am Rev Respir Dis** 1987 Apr;135(4):976-8

Reperfusion pulmonary edema after pulmonary artery thromboendarterectomy. Levinson RM, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1241-5

Anaesthetic-related recovery room complications. Zelcer J, et al. **Anaesth Intensive Care** 1987 May;15(2):168-74

Unilateral pulmonary oedema/atelectasis in the lateral decubitus position. Baraka A, et al. **Anaesthesia** 1987 Feb; 42(2):171-4

Primary amyloidosis and skin damage [letter] Dixon J. **Anaesthesia** 1987 Feb;42(2):218

Marcain shakes [letter] Dow AA, et al. **Anaesthesia** 1987 Mar; 42(3):328-9

Postoperative headache in young patients after spinal anaesthesia. Flaatten H, et al. **Anaesthesia** 1987 Feb; 42(2):202-5

Delayed convulsions following enflurane anaesthesia. Grant IS. **Anaesthesia** 1986 Oct;41(10):1024-5

A nerve palsy occurring during the recovery period [letter] Hughes-Davies DI. **Anaesthesia** 1987 Mar;42(3):326-7

Postoperative complications of dystrophia myotonica. Moore JK, et al. **Anaesthesia** 1987 May;42(5):529-33

Buprenorphine, benzodiazepines and prolonged respiratory depression [letter] Sekar M, et al. **Anaesthesia** 1987 May; 42(5):567-8

Magill versus Mallinckrodt tracheal tubes. A comparative study of postoperative sore throat. Sprague NB, et al. **Anaesthesia** 1987 Mar;42(3):306-11

Bradycardia after propofol infusion [letter] Thomson SJ, et al. **Anaesthesia** 1987 Apr;42(4):430

Postoperative confusion after anesthesia in elderly patients with femoral neck fractures. Berggren D, et al. **Anesth Analg** 1987 Jun;66(6):497-504

Postoperative seizures after isoflurane anesthesia. Harrison JL. **Anesth Analg** 1986 Nov;65(11):1235-6

Subarachnoid block: two for the price of one? [letter] Buchanan B. **Anesthesiology** 1987 Feb;66(2):254-5

Postoperative complications due to paradoxical vocal cord motion. Hammer G, et al. **Anesthesiology** 1987 May; 66(5):686-7

An unusual cause of postoperative respiratory failure. Rosett RL. **Anesthesiology** 1987 May;66(5):695-7

Postanesthetic apnea and periodic breathing in infants. Welborn LG, et al. **Anesthesiology** 1986 Dec;65(6):658-61

Recurrent infections following nephrectomy and renal transplantation for Goodpasture's syndrome. Dolen WK, et al. **Ann Allergy** 1986 Nov;57(5):317-8, 344-6

Quadriceps muscle atrophy and long-term recovery after knee ligamentous injury. Järvinen M, et al. **Ann Chir Gynaecol** 1987;76(2):108-13

Minor complications following anaesthesia in young adults for orthopaedic surgery of the lower extremity. Pitkänen M, et al. **Ann Chir Gynaecol** 1987;76(2):99-103

Dysphagia due to cervical spine surgery. Welsh LW, et al. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):112-5

Constriction of the internal nasal valve in rhinoplasty: treatment and prevention. Adamson JE. **Ann Plast Surg** 1987 Feb;18(2):114-21

Spontaneous subdural hygromas: a complication following craniofacial surgery. Rosen HM, et al. **Ann Plast Surg** 1987

Mar;18(3):245–7
Inguinal hernia repair: which suture? Jones DJ. **Ann R Coll Surg Engl** 1986 Nov;68(6):323–5
Late rupture of ligated common iliac arteries. Taylor PR, et al. **Ann R Coll Surg Engl** 1987 May;69(3):142–3
Hypercalcemia in critically ill surgical patients [letter] Graham AD, et al. **Ann Surg** 1986 Dec;204(6):727
Thrombocytopenia following peritonitis in surgical patients. A prospective study. Iberti TJ, et al. **Ann Surg** 1986 Oct; 204(4):341–5
Coagulopathy post peritoneovenous shunt. LeVeen HH, et al. **Ann Surg** 1987 Mar;205(3):305–11
Enterogastric reflux and gastric clearance of refluxate in normal subjects and in patients with and without bile vomiting following peptic ulcer surgery. Mackie C, et al. **Ann Surg** 1986 Nov;204(5):537–42
Sexual function in women after proctocolectomy. Metcalf AM, et al. **Ann Surg** 1986 Dec;204(6):624–7
Cytomegalovirus as a risk factor in living-related renal transplantation. A prospective study. Pollak R, et al. **Ann Surg** 1987 Mar;205(3):302–4
Natural history and determinants of conduction defects following coronary artery bypass surgery. Baerman JM, et al. **Ann Thorac Surg** 1987 Aug;44(2):150–3
Dynamic left ventricular outflow tract obstruction when the anterior leaflet is retained at prosthetic mitral valve replacement. Come PC, et al. **Ann Thorac Surg** 1987 May; 43(5):561–3
Internal mammary artery grafts: technical factors influencing patency. Huddleston CB, et al. **Ann Thorac Surg** 1986 Nov; 42(5):543–9
Determinants of cardiac failure after coronary bypass surgery within 30 days of acute myocardial infarction. Katz NM, et al. **Ann Thorac Surg** 1986 Dec;42(6):658–63
Right lower lobe consolidation: an unusual complication of the modified Blalock–Taussig operation. Lodge JP, et al. **Ann Thorac Surg** 1987 Aug;44(2):201–2
Spinal cord ischemia following operation for traumatic aortic transection. Marvasti MA, et al. **Ann Thorac Surg** 1986 Oct;42(4):425–8
Massive right atrial and ventricular thrombosis after peritoneovenous shunting treated by thrombectomy and tricuspid valvectomy. Mestres CA, et al. **Ann Thorac Surg** 1987 Aug;44(2):205–6
Early postoperative spasm in left internal mammary artery bypass grafts. Sarabu MR, et al. **Ann Thorac Surg** 1987 Aug;44(2):199–200
Cardiac assessment for patients undergoing noncardiac surgery. A multifactorial clinical risk index. Detsky AS, et al. **Arch Intern Med** 1986 Nov;146(11):2131–4
Neuro-osteoarthropathy (Charcot's joint) in diabetes mellitus following revascularization surgery. Three case reports and a review of the literature. Edelman SV, et al. **Arch Intern Med** 1987 Aug;147(8):1504–8
Pupillary block with posterior chamber intraocular lenses. Samples JR, et al. **Arch Ophthalmol** 1987 Mar;105(3):335–7
Complications of pelvic resections [published erratum appears in Arch Orthop Trauma Surg 1987;106(4):262] Capanna R, et al. **Arch Orthop Trauma Surg** 1987; 106(2):71–7
Iatrogenic nasal tip bossae. Etiology, prevention, and treatment. Goodwin WJ Jr, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):737–9
Fatal acute dissection of the right hepatic artery after appendectomy. Larson CJ, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):300–2
The influence of anesthetic choice on carotid endarterectomy outcome. Corson JD, et al. **Arch Surg** 1987 Jul; 122(7):807–12
Herniation of the gastric wall through a Nissen fundoplication. Kuhnke M, et al. **Arch Surg** 1987 Sep; 122(9):1085–7
Interval gangrene occurring after successful lower-extremity revascularization. Memsic L, et al. **Arch Surg** 1987 Sep; 122(9):1060–3
Culture of abdominal aortic aneurysm contents. An additional series. Schwartz JA, et al. **Arch Surg** 1987 Jul;122(7):777–80
Pancreatitis after biliary tract surgery. Vernava A, et al. **Arch Surg** 1987 May;122(5):575–80
Clostridium pyoarthrosis following arthroscopy. Bernhang AM. **Arthroscopy** 1987;3(1):56–8
'Uraemic peritonitis following suprapubic bladder puncture' [letter] St. George L, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):75
Prediction of postoperative complications by clinical and nutritional assessment. Katelaris PH, et al. **Aust NZ J Surg** 1986 Oct;56(10):743–7 (19 ref.)
Prosthetic valve endocarditis. A survey. Ben Ismail M, et al. **Br Heart J** 1987 Jul;58(1):72–7
Infective endocarditis in children with congenital heart disease: comparison of selected features in patients with surgical correction or palliation and those without. Karl T, et al. **Br Heart J** 1987 Jul;58(1):57–65
Fifty cases of late prosthetic valve endocarditis: improvement in prognosis over a 15 year period. Leport C, et al. **Br Heart J** 1987 Jul;58(1):66–71
Acquired supravalvar membranous stenosis of the left atrioventricular valve. Martin RP, et al. **Br Heart J** 1987 Aug;58(2):176–8
Is ventricular arrhythmia in repaired tetralogy of Fallot an effect of operation or a consequence of the course of the disease? A prospective study. Sullivan ID, et al. **Br Heart J** 1987 Jul;58(1):40–4
Pulmonary oedema following airway obstruction in a patient with Hodgkin's disease. Price SL, et al. **Br J Anaesth** 1987 Apr;59(4):518–21
Pyoderma gangrenosum occurring 10 years after proctocolectomy for ulcerative colitis. Cox NH, et al. **Br J Hosp Med** 1986 Nov;36(5):363
Ischaemic optic neuropathy complicating cardiopulmonary bypass. Larkin DF, et al. **Br J Ophthalmol** 1987 May; 71(5):344–7
Intralenticular haemorrhage complicating pulsed laser iridotomy [letter] Montgomery DM, et al. **Br J Ophthalmol** 1987 Jun;71(6):484
Posterior synechiae after glaucoma operations: aggravation by shallow anterior chamber and pilocarpine. Phillips CI, et al. **Br J Ophthalmol** 1987 Jun;71(6):428–32
Factors influencing visual outcome after cataract extraction among Arabs in Kuwait. Al Salem M, et al. **Br J Ophthalmol** 1987 Jun;71(6):458–61
Long-lasting complications with the use of polyurethane-covered breast implants. Berrino P, et al. **Br J Plast Surg** 1986 Oct;39(4):549–53
Blindness following cosmetic blepharoplasty [letter] Robbe N. **Br J Plast Surg** 1987 Jan;40(1):107–8
Anatomical analysis of the cause of skin necrosis of the great toe after transplantation of the great toe nail flap. Xu D, et al. **Br J Plast Surg** 1987 May;40(3):283–7
Incisional herniae following median sternotomy incisions: their incidence and aetiology. Davidson BR, et al. **Br J Surg** 1986 Dec;73(12):995–6
Dietary habits of patients with regurgitation after colon interposition. Harju E, et al. **Br J Surg** 1987 Mar; 74(3):169–71
Necrosis of the rectum complicating abdominal aortic reconstructions in previously irradiated patients. Harling H, et al. **Br J Surg** 1986 Sep;73(9):711
Orthotopic liver transplantation: postoperative complications and their management. Kirby RM, et al. **Br J Surg** 1987 Jan;74(1):3–11
Risk of colorectal cancer after surgery for benign peptic ulceration. Toftgaard C. **Br J Surg** 1987 Jul;74(7):573–5
Secondary arterio-enteric fistulae: a surgical challenge. Umpleby HC, et al. **Br J Surg** 1987 Apr;74(4):256–9
Chylous ascites following aortic surgery. Williamson C, et al. **Br J Surg** 1987 Jan;74(1):71–2
Nephroureterectomy [letter] Carr T, et al. **Br J Urol** 1987 Jan;59(1):99–100
Comparison of silicone and latex catheters in the development of urethral stricture after cardiac surgery. Ferrie BG, et al. **Br J Urol** 1986 Oct;58(5):549–50
Marjolin's ulcer of urethrostomies and urethroplasty. Houston W. **Br J Urol** 1987 Feb;59(2):192
Timing of disc surgery after iohexol myelography and its effect on the incidence of postoperative problems. Riley D, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):595
Some postoperative complications after anterior chamber lens implantations (A.C.L.). Budo C. **Bull Soc Belge Ophtalmol** 1985;215:101–7
Postoperative complications: factors of significance to anaesthetic practice. Duncan PG, et al. **Can J Anaesth** 1987 Jan;34(1):2–8
Postoperative paraplegia associated with epidural narcotic administration. Tashiro C, et al. **Can J Anaesth** 1987 Mar; 34(2):190–2
Anasarca due to pulmonic valve regurgitation with low pulmonary vascular resistance. Cook DJ, et al. **Can J Cardiol** 1987 May;3(4):162–3
Mycobacterium chelonei keratitis following penetrating keratoplasty. Laflamme MY, et al. **Can J Ophthalmol** 1987 Apr;22(3):178–80
Subdural space Campylobacter infection in a child. Ritchie PM, et al. **Can Med Assoc J** 1987 Jul 1;137(1):45–6
Perioperative blood transfusion does not increase the risk of colorectal cancer recurrence. Weiden PL, et al. **Cancer** 1987 Aug 15;60(4):870–4
Early complications following cardiac surgery. Kirklin JK, et al. **Cardiovasc Clin** 1987;17(3):321–43 (134 ref.)
Obstructive sleep apnea following bilateral carotid body resection. Parisi RA, et al. **Chest** 1987 Jun;91(6):922–4
Paradoxical hypertension after repair of coarctation of the aorta in children: balloon angioplasty versus surgical repair. Choy M, et al. **Circulation** 1987 Jun;75(6):1186–91
Impairment of cardiopulmonary baroreflex after cardiac transplantation in humans. Mohanty PK, et al. **Circulation** 1987 May;75(5):914–21
Contributory factors and etiology of sciatic nerve palsy in total hip arthroplasty. Edwards BN, et al. **Clin Orthop** 1987 May;(218):136–41
Total joint arthroplasty for steroid-induced osteonecrosis in cardiac transplant patients. Isono SS, et al. **Clin Orthop** 1987 Apr;(217):201–8
Extrinsic femoral artery occlusion following internal fixation of an acetabular fracture. A case report. Johnson EE, et al. **Clin Orthop** 1987 Apr;(217):209–13
Postpatellectomy extensive ossification of patellar tendon. A case report. Kelly MA, et al. **Clin Orthop** 1987 Feb; (215):148–52
Postoperative patellar complications with or without lateral release during total knee arthroplasty. Ritter MA, et al. **Clin Orthop** 1987 Jun;(219):163–8
Complications of plate fixation in the hand skeleton. Stern PJ, et al. **Clin Orthop** 1987 Jan;(214):59–65
Nasal tip numbness following rhinoplasty. Thompson AC. **Clin Otolaryngol** 1987 Apr;12(2):143–4
Complications in tissue expansion. Austad ED. **Clin Plast Surg** 1987 Jul;14(3):549–50
Causes of arterial hypertension in kidney transplantation. Ponticelli C, et al. **Contrib Nephrol** 1987;54:226–30
Delayed quadriplegia following decompressive cervical laminectomy [letter] Martin DC, et al. **Crit Care Med** 1987 Sep;15(9):889–90
Recurrence of lichen simplex chronicus after surgical excision. Dean EA, et al. **Cutis** 1987 Aug;40(2):157–8
Superior mesenteric artery syndrome following ileal J-pouch anal anastomosis. An iatrogenic cause of early postoperative obstruction. Ballantyne GH, et al. **Dis Colon Rectum** 1987 Jun;30(6):472–4
Cuff abscesses and ileoanal anastomotic separations in pelvic pouch surgery. An analysis of possible etiologic factors. Lindquist K, et al. **Dis Colon Rectum** 1987 May;30(5):355–9
Sclerosing cholangitis following removal of an echinococcus cyst. Russo A, et al. **Endoscopy** 1987 Jul;19(4):178–9
Infarction after surgery for focal epilepsy: manipulation hemiplegia revisited. Helgason CM, et al. **Epilepsia** 1987 Jul–Aug;28(4):340–5
Femoral neuropathy following tubal microsurgery [letter] **Fertil Steril** 1986 Oct;46(4):742–3
The effect of cauterization of the rabbit ovary on adhesion formation. Awadalla SG, et al. **Fertil Steril** 1986 Oct; 46(4):696–700
Hepatic abscesses as a complication of the sump syndrome: combined surgical and endoscopic therapy. Case report and review of the literature. Rumans MC, et al. **Gastroenterology** 1987 Mar;92(3):791–5
Development of hepatic cholestasis and fibrosis in patients with massive loss of intestine supported by prolonged parenteral nutrition. Stanko RT, et al. **Gastroenterology** 1987 Jan;92(1):197–202
Management of chronic rotary subluxation of the scaphoid by scapho-trapezio-trapezoid arthrodesis. Rationale for the technique, postoperative changes in biomechanics, and results. Kleinman WB. **Hand Clin** 1987 Feb;3(1):113–33
Disability resulting from radical and modified neck dissections [letter] Hillel AD. **Head Neck Surg** 1986 Nov–Dec;9(2):127–9
Pathophysiology and clinical sequelae of cardiopulmonary bypass [letter] Smith RG. **Heart Lung** 1986 Sep;15(5):538–9
Cardiac tamponade resulting from pneumopericardium: case report and implications for the critical care nurse. Stechmiller J, et al. **Heart Lung** 1987 Jul;16(4):442–8
Diaphragmatic palsy following open heart surgery. Gupta V, et al. **Indian Heart J** 1986 Mar–Apr;38(2):124–8
Incidence of erysipelas following venectomy for coronary artery bypass surgery. Dan M, et al. **Infection** 1987 Mar–Apr;15(2):107–8
Compression neuropathies: medical aspects and legal implications. Dornette WH. **Int Anesthesiol Clin** 1986 Winter;24(4):201–29
Perioperative stroke: the noncardiac surgery patient. Hindman BJ. **Int Anesthesiol Clin** 1986 Winter;24(4):101–34 (151 ref.)
Neurological complications of cardiovascular surgery: II. Procedures involving the heart and thoracic aorta. Shaw PJ. **Int Anesthesiol Clin** 1986 Winter;24(4):159–200 (138 ref.)
Neurological complications of cardiovascular surgery: I. Procedures involving the carotid arteries and abdominal aorta. Skillman JJ. **Int Anesthesiol Clin** 1986 Winter; 24(4):135–57 (67 ref.)
Neurological sequelae of spinal and epidural anesthesia. Vandam L. **Int Anesthesiol Clin** 1986 Winter;24(4):231–55
Leg swelling after aortic surgery. Cass AJ, et al. **Int Angiol** 1986 Jul–Sep;5(3):207–8
Postoperative complications in colorectal surgery in relation to preoperative clinical and nutritional state and postoperative nutritional treatment. Fasth S, et al. **Int J Color Dis** 1987 Jun;2(2):87–92
The Kock continent ileostomy: influence of a defunctioning ileostomy and nipple valve stapling on early and late morbidity. Fasth S, et al. **Int J Color Dis** 1987 Jun;2(2):82–6
Femoral neuropathy after renal transplantation. Vogeis M, et al. **Int J Pediatr Nephrol** 1987 Jan–Mar;8(1):55–6
Late failures of trabeculoplasty. Moulin F, et al. **Int Ophthalmol** 1987 Feb;10(1):61–6
Disseminated intravascular coagulopathy in patients with cancer undergoing operation for pathological fractures of the hip. Nyska M, et al. **Int Orthop** 1987;11(3):179–81
Functional impairment of the sacroiliac joint after total hip replacement. Pap A, et al. **Int Rehabil Med** 1987;8(4):145–7
Recurrent inguinal hernia. Pietri P, et al. **Int Surg** 1986 Jul–Sep;71(3):164–8 (71 ref.)
Testicular atrophy as a sequela of inguinal hernioplasty. Wantz GE. **Int Surg** 1986 Jul–Sep;71(3):159–63
Organ dysfunction after cardiopulmonary bypass. A systemic inflammatory reaction initiated by the extracorporeal circuit. Westaby S. **Intensive Care Med** 1987;13(2):89–95 (50 ref.)
Infectious complications of percutaneous biliary drainage. Cohan RH, et al. **Invest Radiol** 1986 Sep;21(9):705–9
Cerebral toxoplasmosis complicating bone marrow transplantation. Ackerman Z, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):582–6
High incidence of hypertension in older patients after unilateral nephrectomy. A retrospective study. Podjarny

E, et al. **Isr J Med Sci** 1986 Dec;22(12):861–4
Results of arthroscopic meniscectomy. Aglietti P, et al. **Ital J Orthop Traumatol** 1986 Sep;12(3):315–25
Total condylar knee prosthesis with posterior stability. A mid-term follow-up of 74 cases with severe deformity. Aglietti P, et al. **Ital J Orthop Traumatol** 1986 Sep; 12(3):275–88
The treatment of acetabular fractures. Gualtieri G, et al. **Ital J Orthop Traumatol** 1986 Sep;12(3):289–94
Sexual and bladder dysfunctions following surgery for rectal carcinoma. Fegiz G, et al. **Ital J Surg Sci** 1986;16(2):103–9
Complications following the treatment of abdominal aortic aneurysms. Pedrini L, et al. **Ital J Surg Sci** 1987;17(1):55–61
Acute surgical complications: cause, prevention, and treatment. Salasche SJ. **J Am Acad Dermatol** 1986 Dec; 15(6):1163–85
Mitral valve replacement early after myocardial infarction: attendant high risk of left ventricular rupture. Harold JG, et al. **J Am Coll Cardiol** 1987 Feb;9(2):277–82
Usefulness of routine preoperative chest roentgenograms in elderly patients. Boghosian SG, et al. **J Am Geriatr Soc** 1987 Feb;35(2):142–6
Validation of a cardiac risk factor index for noncardiac surgery in a community osteopathic hospital. Nichols KJ, et al. **J Am Osteopath Assoc** 1987 Mar;87(3):235–9
Hemolytic anemia 2 years after mitral valve annuloplasty: report of a case. Young DK, et al. **J Am Osteopath Assoc** 1986 Nov;86(11):751–4
Aseptic loosening after total hip arthroplasty. Incidence, clinical significance, and etiology. Iannotti JP, et al. **J Arthroplasty** 1986;1(2):99–107
Postoperative ulnar-nerve palsy. Are there predisposing factors? [letter] Grundberg AB. **J Bone Joint Surg [Am]** 1987 Jul;69(6):951–2
Compartment syndrome as a complication of repair of a hernia of the tibialis anterior. A case report. Miniaci A, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1444–5
Femoral neuropathy secondary to pressurized cement in total hip replacement: treatment by decompression and neurolysis. Report of a case. Pess GM, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):623–5
Compartment syndrome masked by epidural anesthesia for postoperative pain. Report of a case. Strecker WB, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1447–8
Acute compartment syndrome caused by a malfunctioning pneumatic-compression boot. A case report. Werbel GB, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1445–6
Urinary retention after total hip replacement. A prospective study. Waterhouse N, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):64–6
External wear of the polyethylene socket in cemented total hip arthroplasty. Wroblewski BM, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):61–3
Femoral neuropathy as a complication of aortic surgery. Boontje AH, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):286–9
Carotid endarterectomy in the community hospital. A continuing controversy. Cafferata HT, et al. **J Cardiovasc Surg (Torino)** 1986 Sep-Oct;27(5):557–60
Lymphatic drainage from the groin following surgery of the femoral artery. Skudder PA Jr, et al. **J Cardiovasc Surg (Torino)** 1987 Jul-Aug;28(4):460–3
Consultation section : Unilateral pale optic disc following extracapsular cataract extraction with a posterior chamber intraocular lens. Shepard DD. **J Cataract Refract Surg** 1987 May;13(3):330–9
Perforation of duodenal ulcer following gastric exclusion operation for morbid obesity. Charuzi I, et al. **J Clin Gastroenterol** 1986 Oct;8(5):605–6
Dip slide culture of intraoperative peritoneal irrigation fluid for prediction of septic complication in elective colorectal surgery. Claesson BE, et al. **J Clin Microbiol** 1986 Dec; 24(6):922–8
A data acquisition system for clinical research. Bledsoe SW, et al. **J Clin Monit** 1987 Jul;3(3):160–4
Wound complications in the multimodality treatment of extremity and superficial truncal sarcomas. Arbeit JM, et al. **J Clin Oncol** 1987 Mar;5(3):480–8
Postdermabrasion leukoderma. Falabella R. **J Dermatol Surg Oncol** 1987 Jan;13(1):44–8
Deformities following reconstructive plastic surgery. Hauben DJ, et al. **J Dermatol Surg Oncol** 1987 May;13(5):534–40
de Quervain's release in working women: a report of failures, complications, and associated diagnoses. Arons MS. **J Hand Surg [Am]** 1987 Jul;12(4):540–4
Silicone rubber carpal implants: a study of the incidence of late osseous complications. Carter PR, et al. **J Hand Surg [Am]** 1986 Sep;11(5):639–44
Infantile digital fibromatosis after web construction in syndactyly. Kawabata H, et al. **J Hand Surg [Am]** 1986 Sep;11(5):741–3
Reactive synovitis after silicone arthroplasty. Peimer CA, et al. **J Hand Surg [Am]** 1986 Sep;11(5):624–38
Ulnar nerve laceration--a complication of carpal tunnel decompression: case report and review of the literature. Favero KJ, et al. **J Hand Surg [Br]** 1987 Jun;12(2):239–41
Closed rupture of extensor digitorum communis tendon following excision of distal ulna. Pring DJ, et al. **J Hand Surg [Br]** 1986 Oct;11(3):451–2
Late airflow obstruction in heart-lung transplantation recipients. Burke CM, et al. **J Heart Transplant** 1985 Jul-Aug;4(4):437–40
Cutaneous complications of heart transplantation. Goldstein GD, et al. **J Heart Transplant** 1986 Mar-Apr;5(2):143–7
Survival following rupture of a pancreatic abscess in a heart transplant recipient. Oaks TE, et al. **J Heart Transplant** 1986 Mar-Apr;5(2):148–53
Acute hepatitis B following gynaecological surgery. **J Hosp Infect** 1987 Jan;9(1):34–8
Serious postoperative infections caused by coagulase-negative staphylococci: an epidemiological and clinical study. Dandalides PC, et al. **J Hosp Infect** 1986 Nov;8(3):233–41
Post-transplant peritonitis in patients undergoing continuous ambulatory peritoneal dialysis. Solaro L, et al. **J Hosp Infect** 1987 May;9(3):274–7
Postoperative wound sepsis in neurosurgery. Inbasekaran V, et al. **J Indian Med Assoc** 1986 Oct;84(10):299–300
Listeria monocytogenes arthritis in a renal transplant recipient [letter] Abadie SM, et al. **J Infect Dis** 1987 Aug; 156(2):413–4
Epstein-Barr virus, cytomegalovirus, and other viral infections in children after liver transplantation. Breinig MK, et al. **J Infect Dis** 1987 Aug;156(2):273–9
A comparative study of herpes simplex infections in renal transplant and leukemic patients. Greenberg MS, et al. **J Infect Dis** 1987 Aug;156(2):280–7
Gastric atony complicating pharyngo-gastric anastomosis. Bevan K, et al. **J Laryngol Otol** 1987 May;101(5):519–21
Chronic tonsillitis, tonsillectomy and sickle cell crises. Ijaduola GT, et al. **J Laryngol Otol** 1987 May;101(5):467–70
An unusual case of surgical emphysema. John DG, et al. **J Laryngol Otol** 1986 Oct;100(10):1209–11
Position sense in a damaged knee [letter] Marcus JC. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):651
Side effects following metrizamide myelography and lumbar laminectomy. Jones AG, et al. **J Neurosci Nurs** 1987 Apr; 19(2):90–4
Delayed postoperative dural arteriovenous malformations. Report of two cases. Nabors MW, et al. **J Neurosurg** 1987 May;66(5):768–72
Iliac bone grafting: review of 160 consecutive cases. Keller EE, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):11–4
Complications following removal of impacted third molars: the role of the experience of the surgeon. Sisk AL, et al. **J Oral Maxillofac Surg** 1986 Nov;44(11):855–9
Iatrogenic palatal mass composed of tongue tissue. Report of a case. Alexander WN. **J Oral Med** 1986 Oct-Dec; 41(4):220–2
Management of superior oblique palsy after surgery for true Brown's syndrome. Eustis HS, et al. **J Pediatr Ophthalmol Strabismus** 1987 Jan-Feb;24(1):10–6
Secondary cataracts in infants after lensectomies. Morgan KS, et al. **J Pediatr Ophthalmol Strabismus** 1987 Jan-Feb; 24(1):45–8
Burns of the upper extremity in children: long-term evaluation of function following treatment. Melhorn JM, et al. **J Pediatr Orthop** 1987 Sep-Oct;7(5):563–7
Postoperative small bowel obstruction in infants and children: a problem following Nissen fundoplication [letter] Bettex M. **J Pediatr Surg** 1986 Sep;21(9):829
Short-term v long-term quality of life in children following repair of high imperforate anus. Ditesheim JA, et al. **J Pediatr Surg** 1987 Jul;22(7):581–7
The late nonfunctioning duodenal atresia repair. Ein SH, et al. **J Pediatr Surg** 1986 Sep;21(9):798–801
The complications of surgery for intersex: changing patterns over two decades. Lobe TE, et al. **J Pediatr Surg** 1987 Jul;22(7):651–2
Factors involved in chylothorax following repair of congenital posterolateral diaphragmatic hernia. Mercer S. **J Pediatr Surg** 1986 Sep;21(9):809–11
Massive gastrointestinal hemorrhage in children with posterior fossa tumors. Ross AJ 3d, et al. **J Pediatr Surg** 1987 Jul;22(7):633–6
Incisional hernia of the diaphragm causing large bowel obstruction. Johnson CD, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):51–2
Thyrotoxicosis and the hungry bone syndrome: a cause of postoperative tetany. Jones RM, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):24–8
Skin clips are contraindicated when there is nickel allergy. Oakley AM, et al. **J R Soc Med** 1987 May;80(5):290–1
Incidence of conjunctival colonization by bacteria capable of causing postoperative endophthalmitis. Walker CB, et al. **J R Soc Med** 1986 Sep;79(9):520–1
The thrombogenic potential of argon ion laser endarterectomy. Pollock ME, et al. **J Surg Res** 1987 Feb; 42(2):153–8
The significance of bundle branch block in the immediate postoperative electrocardiograms of patients undergoing coronary artery bypass. Caspi Y, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):442–6
Thrombosed St. Jude Medical valve prosthesis in the right side of the heart in patients with tetralogy of Fallot. Miyamura H, et al. **J Thorac Cardiovasc Surg** 1987 Jul; 94(1):148–50
Development of neo-coarctation in patients with transposed great arteries and hypoplastic aortic arch after Lecompte modification of anatomical correction. Muster AJ, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):276–80
Malassembly of the sliding screw-plate device. Manoli A 2d. **J Trauma** 1986 Oct;26(10):916–22
The influence of trauma to the spleen on postoperative complications and mortality. Willis BK, et al. **J Trauma** 1986 Dec;26(12):1073–6
Urethral complications following ischiectomy in spinal cord injury patients: a urethral pressure study. Hackler RH, et al. **J Urol** 1987 Feb;137(2):253–5
Ulcer of the trigone: a late complication of cervical cerclage. Hortenstine JS, et al. **J Urol** 1987 Jan;137(1):109–10
Perioperative and postoperative complications from bilateral pelvic lymphadenectomy and radical retropubic prostatectomy. Igel TC, et al. **J Urol** 1987 Jun; 137(6):1189–91
Technical nuances and surgical results of radical retropubic prostatectomy in 150 patients. Lange PH, et al. **J Urol** 1987 Aug;138(2):348–52
Post-prostatectomy incontinence: the influence of bladder dysfunction. Leach GE, et al. **J Urol** 1987 Sep;138(3):574–8
Tubovaginal leakage: an unusual cause of incontinence. Leach GE, et al. **J Urol** 1987 Feb;137(2):287–8
Renal transplantation in patients with indwelling continuous ambulatory peritoneal dialysis catheters. McDonald MW, et al. **J Urol** 1987 May;137(5):849–51
Spontaneous bladder rupture owing to atherosclerotic emboli: a case report. Piser JA, et al. **J Urol** 1986 Nov; 136(5):1068–70
The Kock pouch: initial experience and complications. Waters WB, et al. **J Urol** 1987 Jun;137(6):1151–3
Ureteral obstruction secondary to retained ovarian remnants: a case report and review of the literature. Zaitoon MM. **J Urol** 1987 May;137(5):973–4
Female urethral obstruction after Marshall-Marchetti-Krantz operation. Zimmern PE, et al. **J Urol** 1987 Sep;138(3):517–20
Cerebral hyperperfusion syndrome: a cause of neurologic dysfunction after carotid endarterectomy. Reigel MM, et al. **J Vasc Surg** 1987 Apr;5(4):628–34
Aortic graft sepsis caused by Pasteurella multocida. Sannella NA, et al. **J Vasc Surg** 1987 Jun;5(6):887–8
Anesthesia and venous thromboembolism [letter] Belatti RG Jr. **JAMA** 1986 Dec 19;256(23):3217–8
The effect of nutritional status on morbidity after elective surgery for benign gastrointestinal disease. Mughal MM, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar-Apr; 11(2):140–3
Postoperative tension pneumocephalus--report of 2 cases. Anegawa S, et al. **Kurume Med J** 1986;33(4):181–6
Complications in the management of large glomus jugulare tumors. Cece JA, et al. **Laryngoscope** 1987 Feb;97(2):152–7
Factors predicting postoperative morbidity in biliary calculi. Păunescu V, et al. **Med Interne** 1987 Jan-Mar;25(1):59–66
The widening spectrum of neurosurgical infections [editorial] Rich G. **Med J Aust** 1986 Oct 20;145(8):366–7
Transsphenoidal hypophysectomy meningitis. Fiscina S. **Milit Med** 1986 Oct;151(10):555–6
Pill induced esophageal ulceration and stricture following cardiac surgery. Kikendall JW, et al. **Milit Med** 1986 Oct; 151(10):539–42
Transient hypoadrenalism after transsphenoidal pituitary surgery for Cushing's disease may not predict long-term cure. Burch WM, et al. **NC Med J** 1986 Nov;47(11):517
1 + 1 not equal to 2. Sommers JM, et al. **NC Med J** 1986 Nov;47(11):519–21
Post-surgical deterioration of renal function in primary hyperoxaluria. Grateau G, et al. **Nephrol Dial Transplant** 1987;1(4):261–4
Cerebrospinal fluid oedema: a rare complication of the ventriculo-subgaleal shunt. Verbeke L, et al. **Neurochirurgia (Stuttg)** 1987 May;30(3):99–101
Pericardial constriction following coronary artery bypass surgery: case reports. Crozier I, et al. **NZ Med J** 1986 Sep 24;99(810):708–9
Persistent ectopic syndrome: a case report and literature review. Bell OR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):521–3
Condylomata acuminata arising in a neovagina. Buscema J, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):528–30
Hemolytic uremic syndrome after ectopic pregnancy: postectopic nephrosclerosis. Creasy GW, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):448–9
Persistent ectopic pregnancy. DiMarchi JM, et al. **Obstet Gynecol** 1987 Oct;70(4):555–8
Squamous cell carcinoma of the neovagina. Hopkins MP, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):525–7
Rotated hypoplastic hemipelvis: a cause of obstructive dyspareunia. Kucera PR, et al. **Obstet Gynecol** 1987 Sep; 70(3 Pt 2):509–10
Voiding difficulties after colposuspension. Lose G, et al. **Obstet Gynecol** 1987 Jan;69(1):33–8
The low pressure urethra as a factor in failed retropubic urethropexy. Sand PK, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):399–402
Fistulous tract after conjunctivodacryocystorhinostomy. Nagashima K. **Ophthalmic Surg** 1986 Dec;17(12):809
Late onset, progressive, peripheral anterior synechiae with posterior chamber intraocular lenses. Van Buskirk EM. **Ophthalmic Surg** 1987 Feb;18(2):115–7
Orbital cellulitis following strabismus surgery. Wilson ME, et al. **Ophthalmic Surg** 1987 Feb;18(2):92–4
Perilymph fistulas caused by myringotomy. Jensen JH. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):293–6
Soft tissue interposition following dislocation of a total hip replacement. A case report and introduction of a new technique. Krackow KA, et al. **Orthopedics** 1987 Aug;

10(8):1161–3
Complications of tonsillectomy and adenoidectomy. Rasmussen N. **Otolaryngol Clin North Am** 1987 May; 20(2):383–90 (46 ref.)
Experience with heart transplantation in children. Fricker FJ, et al. **Pediatrics** 1987 Jan;79(1):138–46
Breast reconstruction by tissue expansion: a previously unreported complication [letter] Dickson MG. **Plast Reconstr Surg** 1987 Sep;80(3):474–5
Toxic shock syndrome after chemical face peel. LoVerme WE, et al. **Plast Reconstr Surg** 1987 Jul;80(1):115–8
Chest-wall deformity following soft-tissue expansion for breast reconstruction. McKinney P, et al. **Plast Reconstr Surg** 1987 Sep;80(3):442–4
Arteriovenous fistulas after replantation [letter] Solmer R. **Plast Reconstr Surg** 1986 Nov;78(5):696–7
Toxic shock syndrome following breast and nasal surgery. Tobin G, et al. **Plast Reconstr Surg** 1987 Jul;80(1):111–4
Horner syndrome occurring as a complication of chest tube placement. Bertino RE, et al. **Radiology** 1987 Sep; 164(3):745
Severe visual disturbance after exposure of the optic canal during intranasal ethmosphenoidectomy. Ohmae T, et al. **Rhinology** 1986 Sep;24(3):211–7
Toxic shock syndrome after nasal surgery. Wilson JA, et al. **Rhinology** 1987 Jun;25(2):139–40
Bacterial contamination in cerebrospinal fluid shunt surgery. Strömblad LG, et al. **Scand J Infect Dis** 1987;19(2):211–4
Prognostic factors in aortic valve replacement associated with narrow aortic roots. An analysis using the proportional hazard model. Abdelnoor M, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(3):227–32
Prognostic factors for survival in surgically treated aortic regurgitation. Abdelnoor M, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(3):221–5
Smooth muscle tumours of the oesophagus. Ala-Kulju K, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):65–8
Abdominal complications following cardiopulmonary bypass in open-heart surgery. Heikkinen LO, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):1–7
Postoperative urinary retention. I. Incidence and predisposing factors. Tammela T, et al. **Scand J Urol Nephrol** 1986;20(3):197–201
Spinal deformity and instability after multilevel cervical laminectomy. Mikawa Y, et al. **Spine** 1987 Jan–Feb; 12(1):6–11
The surgery of Crohn's disease. Greenstein AJ. **Surg Clin North Am** 1987 Jun;67(3):573–96
Small intestinal obstruction. Mucha P Jr. **Surg Clin North Am** 1987 Jun;67(3):597–620 (47 ref.)
Incidence of symptomatic gallstones after bariatric operations. Deitel M, et al. **Surg Gynecol Obstet** 1987 Jun; 164(6):549–52
Evaluation and treatment of early hemorrhage of the alimentary tract after selective shunt procedures. Richards WO, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):530–6
Carcinoma related to choledochal cysts with internal drainage operations. Todani T, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):61–4
Persistent memory loss following section of the anterior fornix in humans. A historical review. Garcia-Bengochea F, et al. **Surg Neurol** 1987 Apr;27(4):361–4
Tension pneumocephalus following nasal polypectomy. Misra BK, et al. **Surg Neurol** 1987 Oct;28(4):307–10
Upward herniation of the posterior fossa cyst in the shunted child. Wang AN, et al. **Surg Neurol** 1987 Sep;28(3):215–20
Causes of failure in operations for hyperparathyroidism. Bruining HA, et al. **Surgery** 1987 May;101(5):562–5
Clinical comparison between original and modified distal splenorenal shunts. Nagasue N, et al. **Surgery** 1987 Jun; 101(6):661–7
Estimation of the operative risk of mitral valve replacement by multivariate logistic regression analysis. Holper K, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):33–41
Acid-base status during and after orthotopic liver transplantation. Fortunato FL Jr, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):59–60
Thrombocytopenia and autoimmune hemolytic anemia following renal transplantation. Bapat AR, et al. **Transplantation** 1987 Jul;44(1):157–9
Prednisolone and posttransplantation hypertension in rat renal allograft recipients. de Keijzer MH, et al. **Transplantation** 1987 Mar;43(3):353–7
Frequent occurrence of monoclonal gammopathies with an imbalanced light-chain ratio following bone marrow transplantation. Hammarström L, et al. **Transplantation** 1987 Mar;43(3):447–9
Opportunistic strongyloidiasis in renal transplant recipients. Morgan JS, et al. **Transplantation** 1986 Nov;42(5):518–24
Nontyphoid Salmonella infections after renal transplantation. Ocharan-Corcuera J, et al. **Transplantation** 1987 Jul; 44(1):150–1
Variables predicting bacterial and fungal infections after allogeneic marrow engraftment. Paulin T, et al. **Transplantation** 1987 Mar;43(3):393–8
Arteriovenous fistula involving a transplant kidney. Pigott JP, et al. **Transplantation** 1987 Jul;44(1):156–7
The acquired immunodeficiency syndrome and transplantation. Rubin RH, et al. **Transplantation** 1987 Jul; 44(1):1–4 (25 ref.)
Human immunodeficiency virus transmission by organ donation. Outcome in cornea and kidney recipients. Schwarz A, et al. **Transplantation** 1987 Jul;44(1):21–4
Acute transverse myelitis during disseminated cytomegalovirus infection in a renal transplant recipient. Spitzer PG, et al. **Transplantation** 1987 Jul;44(1):151–3
Sudden respiratory difficulty and cardiac arrest due to Ascaris lumbricoides aspiration after open heart surgery. Yener A, et al. **Turk J Pediatr** 1986 Jul–Sep;28(3):195–7
Obturator neuropathy after multiple genitourinary procedures. Crews DA, et al. **Urology** 1987 May; 29(5):504–5
Lower urinary tract dysfunction after radical hysterectomy for carcinoma of cervix. Fishman IJ, et al. **Urology** 1986 Dec;28(6):462–8
Serious complications associated with percutaneous nephrolithotomy. Kalash SS, et al. **Urology** 1987 Mar; 29(3):290–3
Delayed bladder dysfunction after abdominoperineal resection: an indicator of local recurrence. Leach GE, et al. **Urology** 1987 Jan;29(1):99–101
Vesicouterine fistuli. Thanos A, et al. **Urology** 1986 Nov; 28(5):426–8
Neuroleptic malignant syndrome. Mahmoodian S. **W Va Med J** 1986 Nov;82(11):435–9
Recurrence after proximal gastric vagotomy for gastric, pyloric, and prepyloric ulcers. Heberer G, et al. **World J Surg** 1987 Jun;11(3):283–8
The reaction of the acetabular articular cartilage to bipolar hemiarthroplasty. Kim YH. **Yonsei Med J** 1986;27(3):234–8
[Tuberculosis after renal transplantation] Ma HZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):257–9, 317 (Eng. Abstr.) **(Chi)**
[Operative bleeding tendency in patients with polycythemia in plateau regions] Liu YM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):461–3, 508–9 (Eng. Abstr.) **(Chi)**
[Postoperative recurrent peptic ulcer] Wang JF, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):455–7, 508 (Eng. Abstr.) **(Chi)**
[A case of fatal non-rigid malignant hyperthermia] Marckmann P. **Ugeskr Laeger** 1986 Oct 27;148(44):2839–40 (Eng. Abstr.) **(Dan)**
[Splenectomy: from life-saving to life-threatening intervention!] Kootstra G. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1251–3 **(Dut)**
[Hydatic cyst of the liver: analysis of postoperative morbidity. Apropos of a recent series of 52 cases] Maillet B, et al. **Ann Chir** 1986 Sep;40(6):389–95 (Eng. Abstr.) **(Fre)**
[Digital neurotrophic ulcerations after surgical intervention in neurinoma of the median nerve] Granier F, et al. **Ann Dermatol Venereol** 1986;113(8):687–9 **(Fre)**
[Myocardial infarction during postoperative peridural analgesia with opiates] Ravat F, et al. **Ann Fr Anesth Reanim** 1987;6(3):207–8 (Eng. Abstr.) **(Fre)**
[A rare cause of postoperative acute respiratory insufficiency: diaphragmatic hernia] Rétif C, et al. **Ann Fr Anesth Reanim** 1987;6(1):52–3 (Eng. Abstr.) **(Fre)**
[Post-anastomotic stenosis in atresia of the esophagus. Study apropos of 23 cases] Garabedian EN, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(3):157–61 (Eng. Abstr.) **(Fre)**
[Massive hemolysis and acute mitral insufficiency one year following mitral valve repair. Apropos of a case] François G, et al. **Arch Mal Coeur** 1987 Mar;80(3):367–70 (Eng. Abstr.) **(Fre)**
[Current results of the treatment of transposition of the great vessels. Apropos of a series of 168 cases including 138 physiologic corrections] Senellart F, et al. **Arch Mal Coeur** 1987 Apr;80(4):530–6 (Eng. Abstr.) **(Fre)**
[Choroidal detachment and surgery of retinal detachment. Discussion of its incidence and complications] Annonier P, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):195–7 (Eng. Abstr.) **(Fre)**
[Insufficiency of the lower rectus muscle after fracture of the operated on orbital floor] Morax S, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1295–7 **(Fre)**
[Cysts caused by an orbital inclusion of conjunctival origin after oculopalpebral surgery] Morax S, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):227–30 **(Fre)**
[Lacrimal hyposecretion and ophthalmologic surveillance of 65 renal transplant patients] Sirbat D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):163–8 (Eng. Abstr.) **(Fre)**
[Surgery of duodenal ulcer at the crossroads. Late sequelae of the surgery of ulcer] Johnston ID. **Chirurgie** 1986; 112(7–8):533–40 (Eng. Abstr.) **(Fre)**
[Ischemic complications of the surgical treatment of aneurysms of the large vessels] Velebit V. **Helv Chir Acta** 1987 Feb;53(4):447–50 (Eng. Abstr.) **(Fre)**
[Postoperative pyoderma gangrenosum. Apropos of 2 cases] Doutre MS, et al. **J Chir (Paris)** 1987 May;124(5):319–22 (Eng. Abstr.) **(Fre)**
[Gastropericardial fistula. Late complication of the treatment of hiatal hernia] Gossot D, et al. **J Chir (Paris)** 1986 Dec; 123(12):704–8 (Eng. Abstr.) **(Fre)**
[Rupture of the pregnant uterine horn following salpingectomy with resection of the interstitial portion. Report of 3 cases of which one followed in-vitro fertilization and embryo transfer] Lizan G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):641–6 (Eng. Abstr.) **(Fre)**
[False aneurysms in prostheses of the aortic bifurcation. Apropos of 34 case reports] Abet D, et al. **J Mal Vasc** 1986;11(3):270–4 (Eng. Abstr.) **(Fre)**
[Ureteral stenoses after renal transplantation] Canton F, et al. **J Urol (Paris)** 1987;93(3):117–21 (Eng. Abstr.) **(Fre)**
[Evaluation of the results of endoscopic internal urethrotomy in the treatment of urethral stricture. Apropos of 163 controlled cases] Chebil M, et al. **J Urol (Paris)** 1987; 93(1):25–30 (Eng. Abstr.) **(Fre)**
[Postoperative outcome of residual pyelocaliceal stones] Hiraishi K, et al. **J Urol (Paris)** 1987;93(2):65–71 (Eng. Abstr.) **(Fre)**
[Vesicorenal reflux following endoscopic treatment of vesical tumors. Developmental and therapeutic complications] Mazeman E, et al. **J Urol (Paris)** 1986;92(9):611–5 (Eng. Abstr.) **(Fre)**
[Stenosis of the renal artery as a cause of acute renal insufficiency after transplantation] Sabbaga E, et al. **J Urol (Paris)** 1986;92(8):553–7 (Eng. Abstr.) **(Fre)**
[Experimental arterial microsutures. Evaluation of the risks of thrombosis using technetium 99-labeled heparin] Berthelot JL, et al. **Neurochirurgie** 1986;32(6):501–6 (Eng. Abstr.) **(Fre)**
[Intracranial pneumocephalus under pressure. A possible cause of postoperative deterioration in neurosurgery. 10 cases] Bret P, et al. **Neurochirurgie** 1987;33(3):209–15 (Eng. Abstr.) **(Fre)**
[Post-neurosurgical purulent meningitis. 31 cases] Chauveau D, et al. **Presse Med** 1987 Feb 21;16(6):295–8 (Eng. Abstr.) **(Fre)**
[Left retroatrial intrapericardial septated hematoma. A rare etiology of anemia after cardiac surgery (letter)] Schurtz C, et al. **Presse Med** 1987 Mar 14;16(9):444 **(Fre)**
[Chylous ascites following prosthetic replacement of the abdominal aorta (letter)] Teboul J, et al. **Presse Med** 1987 Jun 13;16(22):1101–2 **(Fre)**
[Severe upper femoral epiphysiolysis. Invasive reduction by Dunn's technic: 11 cases] Martin T, et al. **Rev Chir Orthop** 1986;72(8):587–98 (Eng. Abstr.) **(Fre)**
[Ovarian remnant syndrome. Apropos of 4 cases] Bouquet de Jolinière J, et al. **Rev Fr Gynecol Obstet** 1986 Jun–Jul; 81(6–7):333–9 (Eng. Abstr.) **(Fre)**
[Retrospective study of trabeculectomies performed in Mali] Weimann D, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1986;63(1–2):171–84 **(Fre)**
[The cardiologic follow-up of the transplant patient] Demoulin JC. **Rev Med Liege** 1987 May 1;42(9):411 **(Fre)**
[Cervicofacial arterial lesions. An unusual case and a review of the literature] Bertrand JC, et al. **Rev Stomatol Chir Maxillofac** 1987;88(2):125–32 (18 ref.) (Eng. Abstr.) **(Fre)**
[Loosening process of the total hip endoprosthesis with special reference to the cement] Aldinger G. **Aktuel Probl Chir Orthop** 1987;31:337–41 **(Ger)**
[Are long-term results of cemented hip joint endoprostheses really so bad?] Kentsch A, et al. **Aktuel Probl Chir Orthop** 1987;31:271–4 **(Ger)**
[Factors in prosthesis loosening of cement-free total hip endoprostheses] Russe W, et al. **Aktuel Probl Chir Orthop** 1987;31:334–6 **(Ger)**
[Femoral fractures near the knee in the growth period] Rettig H, et al. **Aktuel Traumatol** 1987 Apr;17(2):60–4 (Eng. Abstr.) **(Ger)**
[Total or subtotal amputation of a long finger with destruction of the metacarpophalangeal joint—regaining function by replantation?] Stober R. **Aktuel Traumatol** 1987 Jun;17(3):100–4 (Eng. Abstr.) **(Ger)**
[Horner syndrome following percutaneous puncture of the internal jugular vein—a case report] Prenzel E, et al. **Anaesthesiol Reanim** 1986;11(6):365–7 (Eng. Abstr.) **(Ger)**
[Complications of anesthesia in elderly patients] Osswald PM, et al. **Anaesthesist** 1987 Jun;36(6):292–300 (Eng. Abstr.) **(Ger)**
[Internal jugular vein catheter—success rate and complications with reference to educational status] Fleischer F, et al. **Anasth Intensivther Notfallmed** 1987 Apr; 22(2):94–8 (Eng. Abstr.) **(Ger)**
[Progressive spondylolisthesis following kidney transplantation] Engelmann L, et al. **Beitr Orthop Traumatol** 1986 Dec;33(12):588–91 (Eng. Abstr.) **(Ger)**
[Aneurysma spurium of the femoral artery as a complication following total endoprosthesis implantation of the hip] Frenkel H, et al. **Beitr Orthop Traumatol** 1987 Feb; 34(2):98–100 (Eng. Abstr.) **(Ger)**
[Peripheral nerve damage in alloarthroplasty of the hip joint] Grasshoff H, et al. **Beitr Orthop Traumatol** 1986 Jul; 33(7):325–9 (Eng. Abstr.) **(Ger)**
[Post-traumatic exogenous osteomyelitis—experience in the treatment phase following debridement of the bone infection] Zeumer B, et al. **Beitr Orthop Traumatol** 1987 Feb;34(2):101–6 (Eng. Abstr.) **(Ger)**
[Regression trends of neurologic damage in the surgical emergency management of patients with injuries of the cervical vertebrae with spinal cord involvement] Kortmann HR, et al. **Chirurg** 1986 Nov;57(11):695–701 (Eng. Abstr.) **(Ger)**

[10 years' experience using a modified Shouldice surgical technic for inguinal hernia in adults. II. Which factors modify the recurrence of inguinal hernia?] Ris HB, et al. **Chirurg** 1987 Feb;58(2):100–5 (Eng. Abstr.) (Ger)

[Diversion colitis] Flesch P, et al. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1566–9 (Ger)

[Aspergillosis following liver transplantation as a hospital infection] Lie TS, et al. **Dtsch Med Wochenschr** 1987 Feb 20;112(8):297–301 (Eng. Abstr.) (Ger)

[Life-threatening infection following splenectomy—the OPSI syndrome] Siegfried W, et al. **Fortschr Med** 1986 Nov 20;104(43):831–3 (Eng. Abstr.) (Ger)

[Did keratoprosthetics bring progress or failure?] Hruby K. **Fortschr Ophthalmol** 1987;84(2):142–3 (Eng. Abstr.) (Ger)

[Twilight vision and glare sensitivity in pseudophakic eyes] Lachenmayr B, et al. **Fortschr Ophthalmol** 1987;84(2):173–9 (Eng. Abstr.) (Ger)

[Is cataract surgery with posterior chamber lens in patients with senile maculopathy worthwhile?] Pavlovic M, et al. **Fortschr Ophthalmol** 1987;84(1):83–5 (Eng. Abstr.) (Ger)

[Incidence of aphakic retinal detachment following intra- and extracapsular surgery] Spiegel D, et al. **Fortschr Ophthalmol** 1987;84(2):190–2 (Eng. Abstr.) (Ger)

[Preoperative prediction of expected postoperative visual acuity before YAG laser capsulotomy in extracapsular pseudophakia and aphakia] Zaczkiewicz M, et al. **Fortschr Ophthalmol** 1986;83(6):675–7 (Eng. Abstr.) (Ger)

[Spontaneous splenic rupture as a cause of postoperative hemorrhage] Heidenreich W, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):910–1 (Eng. Abstr.) (Ger)

[Early child morbidity and late development following primary abdominal cesarean section in breech presentation near term] Kouam L, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):609–18 (Eng. Abstr.) (Ger)

[Postoperative ileus] Schmidt-Matthiesen H, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):217–23 (Eng. Abstr.) (Ger)

[Urine drainage following vaginal gynecologic operations] Schubring C, et al. **Geburtshilfe Frauenheilkd** 1986 Jul; 46(7):459–61 (Eng. Abstr.) (Ger)

[Results and late morbidity following the Marshall-Marchetti-Burch incontinence operation for treatment of urinary stress incontinence in the female] Tinguely JP, et al. **Gynakol Rundsch** 1986;26(4):193–209 (Eng. Abstr.) (Ger)

[Changes in immunologic parameters following heart operations with special reference to the postcardiotomy syndrome] Kahl W, et al. **Herz** 1986 Aug;11(4):237–48 (Eng. Abstr.) (Ger)

[Duration and complications following grommet insertion in childhood] Fiebach A, et al. **HNO** 1987 Feb;35(2):61–6 (Eng. Abstr.) (Ger)

[Increasing somnolence in a patients with previous appendectomy] Hörmann R, et al. **Internist (Berlin)** 1987 Apr;28(4):278–82 (Ger)

[Intraocular inflammatory reactions following implantation of a retropupillary lens] Böke W. **Klin Monatsbl Augenheilkd** 1987 May;190(5):393–402 (Eng. Abstr.) (Ger)

[Sympathetic ophthalmia following interventions for hemorrhagic glaucoma] Daxecker F, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):601–3 (Eng. Abstr.) (Ger)

[Late complications following silicone injection. Long-term follow-up of 100 cases] Dimopoulos S, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):223–7 (Eng. Abstr.) (Ger)

[Significance of aniseikonia following implantation of posterior chamber lenses] Harrer S. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):233–9 (Eng. Abstr.) (Ger)

[Direct optic nerve and retinal injury caused by retrobulbar injections] Meythaler FH, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):201–4 (Eng. Abstr.) (Ger)

[Retinal detachment following extracapsular cataract extraction with posterior chamber lens implantation] Schnaudigel OE, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):482–3 (Eng. Abstr.) (Ger)

[Assessment following total or partial splenic loss] Beger HG, et al. **Langenbecks Arch Chir** 1986;369:411–4 (Eng. Abstr.) (Ger)

[Measuring the sensitivity before and following breast reduction-plasty in 2 competitive surgical procedures] Giebel GD, et al. **Langenbecks Arch Chir** 1986;369:299–301 (Eng. Abstr.) (Ger)

[Quality assurance in surgery by prospective assessment of the risk of complications by a simple point score] Grundmann R, et al. **Langenbecks Arch Chir** 1987; 371(1):3–12 (Eng. Abstr.) (Ger)

[Long-term sequelae of splenic loss] Klaue P. **Langenbecks Arch Chir** 1986;369:259–61 (Eng. Abstr.) (Ger)

[Risk of infection and surgical consequences of splenic loss in childhood] Roth HG. **Langenbecks Arch Chir** 1986; 369:263–7 (Eng. Abstr.) (Ger)

[Risk of infection following splenectomy] Seifert J, et al. **Langenbecks Arch Chir** 1986;369:269–72 (Eng. Abstr.) (Ger)

[Failures and complications following otoplasty] Staindl O. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):646–51 (Eng. Abstr.) (Ger)

[Islet cell transplantation—facts and development] Bretzel RG. **Med Klin** 1987 Jun 19;82(14):495–8 (Ger)

[Development of stomach cancers following vagotomy] Thaler W, et al. **Med Klin** 1986 Jun 20;81(14):505–6 (Ger)

[Late results and problems following operation of congenital heart defects] Keck EW. **Monatsschr Kinderheilkd** 1987 Jul;135(7):416–9 (Ger)

[Cold sensitivity, pruritus, hypogonadism and dwarfism] Knorr M, et al. **Schweiz Rundsch Med Prax** 1987 Jun 23; 76(26):764–7 (Eng. Abstr.) (Ger)

[Risk of developing postoperative thromboembolism] Biland L. **Ther Umsch** 1987 Jul;44(7):535–9 (Eng. Abstr.) (Ger)

[Surgical risks in the newborn infant and small infant] Dangel P, et al. **Ther Umsch** 1987 Jul;44(7):546–52 (Eng. Abstr.) (Ger)

[Surgical risk in pregnancy] Hochuli E. **Ther Umsch** 1987 Jul;44(7):540–5 (Eng. Abstr.) (Ger)

[Refractures] Grob D, et al. **Unfallchirurg** 1987 Feb; 90(2):51–8 (Eng. Abstr.) (Ger)

[Problems at the donor site in autologous bone transplantation] Grob D. **Unfallchirurg** 1986 Aug; 89(8):339–45 (Eng. Abstr.) (Ger)

[Dislocation fractures of the proximal humerus—results following surgical treatment. A follow-up study of 167 cases] Kuner EH, et al. **Unfallchirurgie** 1987 Apr; 13(2):64–71 (Eng. Abstr.) (Ger)

[Complications following surgery for female urinary incontinence] Papadopoulos I, et al. **Urologe [A]** 1986 Jul; 25(4):213–5 (Eng. Abstr.) (Ger)

[Osteomyelitis of the iliac crest—a rare complication following perforated appendicitis] Behnke KD, et al. **Z Arztl Fortbild (Jena)** 1986;80(18):763–4 (Ger)

[Sequelae of splenectomy] Goldschmidt H, et al. **Z Arztl Fortbild (Jena)** 1986;80(15):607–9 (Ger)

[A 5-year analysis of injury sequelae following sports accidents] Krenzien J, et al. **Z Arztl Fortbild (Jena)** 1987; 81(11):553–6 (Ger)

[Body weight behavior after cholecystectomy] Bretzke G. **Z Gesamte Inn Med** 1986 Aug 15;41(16):458–60 (Eng. Abstr.) (Ger)

[Mycoplasma etiology of acute pancreatitis] Handrick W, et al. **Z Gesamte Inn Med** 1986 Nov 1;41(21):611–2 (Eng. Abstr.) (Ger)

[Effect of tricuspid annuloplasty on the clinical course following mitral or aortic valve operation] Brilla C, et al. **Z Kardiol** 1987 Apr;76(4):247–52 (Eng. Abstr.) (Ger)

[Budd-Chiari syndrome as a late complication following closure of an atrial septal defect] Klein HH, et al. **Z Kardiol** 1987 Jun;76(6):371–4 (Eng. Abstr.) (Ger)

[Separation of a Beall Surgitool prosthesis disk 15 years after mitral valve replacement] Leising HB, et al. **Z Kardiol** 1986 Nov;75(11):688–90 (Eng. Abstr.) (Ger)

[Complete AV block in a heart catheter study using a Swan-Ganz catheter] Mostbeck G, et al. **Z Kardiol** 1986 Nov;75(11):700–3 (Eng. Abstr.) (Ger)

[Urinary incontinence in epispadias and bladder exstrophy with special reference to free autologous muscle transplantation] Holschneider AM, et al. **Z Kinderchir** 1987 Apr;42(2):81–90 (Eng. Abstr.) (Ger)

[Incidence of arthrosis following osteosynthesis of Volkmann's triangle in malleolar fractures] Heim U. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(2):99–113 (Ger)

[Correlations of retroposition distance and recurrence trends in progenia operations] Benkert P, et al. **Zahn Mund Kieferheilkd** 1987;75(1):22–4 (Eng. Abstr.) (Ger)

[Recurrent heart dislocation following intrapericardial pneumonectomy] Gräbner D, et al. **Zentralbl Chir** 1987; 112(3):192–7 (Ger)

[Clinical experiences with a single layer uterine suture in cesarean section] Winkler M, et al. **Zentralbl Gynakol** 1986; 108(17):1039–45 (Eng. Abstr.) (Ger)

[Complications following implantation of ventriculo-atrial and ventriculoperitoneal shunts] Eichler I. **Zentralbl Neurochir** 1986;47(2):161–6 (Eng. Abstr.) (Ger)

[Postoperative complications in space occupying processes of the base of the skull] Friedrich P, et al. **Zentralbl Neurochir** 1986;47(2):105–10 (Eng. Abstr.) (Ger)

[Hyperparathyroidism in patients having undergone a kidney transplant] Prati GF, et al. **Chir Ital** 1987 Feb;39(1):56–61 (Eng. Abstr.) (Ita)

[Epidemiology of pulmonary embolism in general surgery] Boltri F, et al. **Minerva Chir** 1986 Dec 31;41(23-24):2017–25 (Eng. Abstr.) (Ita)

[Problems and controversies in the management of the perineal cavity after amputation of the rectum by the Miles abdomino-perineal method for carcinoma] Dell'Isola C, et al. **Minerva Chir** 1987 Mar 31;42(6):465–7 (Eng. Abstr.) (Ita)

[Acute postoperative cholecystitis] Pecorella G, et al. **Minerva Chir** 1987 Apr 15;42(7):643–8 (Eng. Abstr.) (Ita)

[Intestinal infarct and the short intestine syndrome] Scarabelli L, et al. **Minerva Chir** 1986 Nov 30;41(22):1913–21 (Ita)

[Complications of the surgical treatment of vulvar carcinoma] Lupi G, et al. **Minerva Ginecol** 1987 Apr;39(4):237–42 (Eng. Abstr.) (Ita)

[An unusual case of acute postoperative monolateral renal insufficiency] Azzolini A, et al. **Minerva Urol Nefrol** 1986 Jul-Sep;38(3):347–50 (Eng. Abstr.) (Ita)

[Residual recto-urethral fistula in the intervention for ano-rectal atresia. Observations on a clinical case] De Dominicis C, et al. **Minerva Urol Nefrol** 1986 Oct-Dec; 38(4):403–9 (Eng. Abstr.) (Ita)

[Model for acquired immunodeficiency caused by anesthesia and surgical procedures. Effect of treatment with thymopoietin pentapeptide (TP5)] Auteri A, et al. **Recenti Prog Med** 1986 Sep;77(9):423–8 (Eng. Abstr.) (Ita)

[Postoperative arrhythmias after aortic valve replacement] Shigenobu M, et al. **Kyobu Geka** 1987 Apr;40(5):355–63 (Eng. Abstr.) (Jpn)

[Two cases of severe intravascular hemolysis after valve replacement] Yoshida K, et al. **Kyobu Geka** 1987 Jun; 40(7):539–41 (Eng. Abstr.) (Jpn)

[Influence of anesthesia and surgery on postoperative pulmonary complications in peplomycin-treated patients] Mizutani T, et al. **Masui** 1987 Feb;36(2):162–7 (Eng. Abstr.) (Jpn)

[Gastrointestinal complications and their prevention after abdominal aortic reconstruction, especially factors and prevention of paralytic intestinal ileus after a abdominal bifurcated grafting operation] Kuraoka S, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1564–8 (Eng. Abstr.) (Jpn)

[Endotoxemia after surgery in digestive diseases] Nakagawa K, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):675–9 (Eng. Abstr.) (Jpn)

[Studies on hemorrhagic gastritis after extended gastric devascularization using portal hypertensive dogs] Satani H, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct; 87(10):1284–92 (Eng. Abstr.) (Jpn)

[Experimental study on mechanism of onset of acute ulcer viewed from blood coagulation and activities of fibrinolysis after hepatectomy in liver cirrhosis] Urakawa T, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):727–34 (Eng. Abstr.) (Jpn)

[Rupture of the right pulmonary artery aneurysm after shunt operation of tetralogy of Fallot] Hoshino K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1839–43 (Eng. Abstr.) (Jpn)

[A report of a case of systemic cholesterol embolization after A-C bypass surgery] Kawata H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):1991–6 (Eng. Abstr.) (Jpn)

[The risk factors of high grade liver deterioration following open heart surgery—in patients with preoperative liver dysfunction] Sakagoshi N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):42–8 (Eng. Abstr.) (Jpn)

[Studies on postoperative erythroderma following coronary artery bypass grafting operations] Shiono M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1985–90 (Eng. Abstr.) (Jpn)

[Akinesia and kinesie paradoxale occurring after cerebral hypoxia] Jyoichi T, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1794–8 (Jpn)

[A case of suspected allergic granulomatous angiitis following surgery of Sipple's syndrome] Saito H, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):133–7 (Jpn)

[Portal thrombosis after splenectomy: hemodynamic analysis of two cases using an ultrasonic duplex system] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2450–4 (Jpn)

[Interstitial pneumonia in leukemia patients after allogeneic bone marrow transplantation] Yamauchi T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1361–8 (Eng. Abstr.) (Jpn)

[Postoperative course after cesarean section conducted before and after rupture of the fetal membranes] Krasnodebski J, et al. **Ginekol Pol** 1986 Nov;57(11):702–6 (Eng. Abstr.) (Pol)

[Refractive changes after surgical operations on horizontal muscles] Gluza J, et al. **Klin Oczna** 1986 Dec;88(12):426–7 (Eng. Abstr.) (Pol)

[Arterial hypertension in patients after kidney transplantation] Dulawa J, et al. **Pol Tyg Lek** 1986 Dec 1;41(48):1533–6 (20 ref.) (Pol)

[Calculi in the transplanted kidney] Rutkowski B, et al. **Pol Tyg Lek** 1986 Sep 29;41(39):1253–5 (Eng. Abstr.) (Pol)

[A case of common bile duct calculi crystallized on a silk suture] Janke A, et al. **Wiad Lek** 1987 Mar 1;40(5):333–5 (Eng. Abstr.) (Pol)

[Complications after operations on the biliary tract] Janzi AK. **Wiad Lek** 1986 Jul 1;39(13):875–9 (Eng. Abstr.) (Pol)

[A case of crystallization of urinary calculi on dexon sutures] Salamon M, et al. **Wiad Lek** 1987 Feb 15;40(4):275–7 (Eng. Abstr.) (Pol)

[Rare complications of choledochoduodenal anastomosis] Staszczyk S, et al. **Wiad Lek** 1986 Jul 15;39(14):979–81 (Eng. Abstr.) (Pol)

[Digestive hemorrhage—a late complication of hepaticojejunal Roux-en-Y anastomosis] Machado MC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Sep-Oct; 41(5):246–8 (Eng. Abstr.) (Por)

[Acute postoperative hemorrhagic gastroduodenitis in

cirrhosis] Popescu I, et al. **Rev Chir [Chir]** 1987 Mar-Apr; 36(2):119-24 **(Rum)**

[Relationship of changes in the pulmonary surfactant system to postoperative pulmonary complications] Avrutskiĭ MIa, et al. **Anesteziol Reanimatol** 1987 Mar-Apr;(2):42-4 (Eng. Abstr.) **(Rus)**

[Myocardial insufficiency after subtotal pericardiectomy] Frantsev VI, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):14-7 (Eng. Abstr.) **(Rus)**

[Acute non-cardiogenic pulmonary edema in surgical patients] Margulis MS, et al. **Khirurgiia (Mosk)** 1986 Dec; (12):105-8 **(Rus)**

[Acute postoperative pancreatitis in reconstructive surgery of the abdominal aorta and its branches] Polianskiĭ BA, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):101-3 **(Rus)**

[Causes of failure in the surgical treatment of aortoiliac occlusions] Ratner GL, et al. **Khirurgiia (Mosk)** 1986 Dec; (12):39-43 (Eng. Abstr.) **(Rus)**

[Complications of the surgical treatment of lung cancer in elderly patients] Shulutko ML, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):100-3 **(Rus)**

[Priapism as a rare complication of reconstructive operations on the arteries of the lower extremities] Ukhanov AP. **Khirurgiia (Mosk)** 1987 Jun;(6):125-6 **(Rus)**

[Congenital defect of the sigmoid mesentery as a cause of the development of early postoperative obstruction of the large intestine] Baramiia NN, et al. **Klin Khir** 1987;(4):63 **(Rus)**

[Postoperative pulmonary embolism] Cherbiak PI, et al. **Klin Khir** 1986;(10):62-3 **(Rus)**

[Complications at the site of anastomoses performed during surgical interventions on the stomach] Cherviak PI. **Klin Khir** 1986;(8):17-9 (Eng. Abstr.) **(Rus)**

[Postoperative coagulated hemothorax] Dotsenko AP, et al. **Klin Khir** 1986;(10):27-9 (Eng. Abstr.) **(Rus)**

[Causes of complications in acute appendicitis] Golomazov MF, et al. **Klin Khir** 1987;(4):53-4 **(Rus)**

[Abscesses of the abdominal cavity following appendectomy] Grinev MV, et al. **Klin Khir** 1987;(4):8-10 (Eng. Abstr.) **(Rus)**

[Errors, hazards and complications of operations of aneurysm of the abdominal aorta] Martynov AA, et al. **Klin Khir** 1986;(10):58-60 **(Rus)**

[Comparative evaluation of the remote results of gastric resection and truncal vagotomy with antrumectomy in the treatment of peptic ulcer] Polous IuM, et al. **Klin Khir** 1986; (8):33-6 (Eng. Abstr.) **(Rus)**

[Effect of anesthesia and operation on the level of serum immunoglobulins and the incidence of postoperative suppurative complications in children with congenital pyloric stenosis] Rotar' VI, et al. **Klin Khir** 1987;(6):37-8 (Eng. Abstr.) **(Rus)**

[Post-vagotomy syndromes] Shalimov AA, et al. **Klin Khir** 1986;(8):1-4 (Eng. Abstr.) **(Rus)**

[Complications after esophagoplasty in cicatricial esophageal stenosis] Shalimov SA, et al. **Klin Khir** 1986;(10):9-11 (Eng. Abstr.) **(Rus)**

[Outbreak of latent malaria following splenectomy for trauma] Vasin VA, et al. **Klin Med (Mosk)** 1986 Oct; 64(10):136-7 **(Rus)**

[Role of non-enzymatic fibrinolysis in the development of late hemorrhage after prostatic adenomectomy] Popov AI, et al. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):53-6 (Eng. Abstr.) **(Rus)**

[Pylephlebitis as a complication of acute destructive appendicitis] Baskakov VA, et al. **Vestn Khir** 1987 Mar; 138(3):130 **(Rus)**

[Duodenogastric reflux in peptic ulcer patients following surgical treatment using vagotomy] Dudenko GI, et al. **Vestn Khir** 1987 Jan;138(1):20-3 (Eng. Abstr.) **(Rus)**

[Necrosis of the stomach wall following selective proximal vagotomy] Ivanov NN. **Vestn Khir** 1986 Oct; 137(10):136-40 (51 ref.) **(Rus)**

[Early pulmonary complications in acute pancreatitis patients] Maslov VI, et al. **Vestn Khir** 1987 Jan;138(1):79-80 **(Rus)**

[Abscesses of the abdominal cavity after appendectomy] Myshkin KI, et al. **Vestn Khir** 1986 Sep;137(9):129-31 **(Rus)**

[Endoprosthesis of the common bile duct in benign stricture complicated by intrahepatic cholelithiasis] Ovchininskiĭ MN, et al. **Vestn Khir** 1987 Apr;138(4):56-7 **(Rus)**

[Errors and complications in external drainage of the common bile duct] Zemskov VS, et al. **Vestn Khir** 1987 Apr;138(4):103-8 (Eng. Abstr.) **(Rus)**

[Genesis of the postcholecystectomy syndrome and its treatment] Kanishchev PA, et al. **Vrach Delo** 1986 Oct; (10):77-81 (Eng. Abstr.) **(Rus)**

[Vascular complications in renal transplant] Berenguer A, et al. **Actas Urol Esp** 1986 Sep-Oct;10(5):319-24 (Eng. Abstr.) **(Spa)**

[Renal transplant. Ureteral fistula. Treatment by percutaneous nephrostomy] Mohamed Mohamed Abdallah Z, et al. **Actas Urol Esp** 1987 Jan-Feb;11(1):101-4 (Eng. Abstr.) **(Spa)**

[Urologic complications in 60 renal transplants] Requena Tapia MJ, et al. **Actas Urol Esp** 1986 Sep-Oct;10(5):325-30 (Eng. Abstr.) **(Spa)**

[Total cystectomy: complications and results] Sarroca J, et al. **Actas Urol Esp** 1986 Sep-Oct;10(5):307-12 (Eng. Abstr.) **(Spa)**

[Severe encephalopathy in a bone marrow transplant in a case of immunodeficiency] Madero López L, et al. **An Esp Pediatr** 1987 Mar;26(3):184-6 (Eng. Abstr.) **(Spa)**

[Hypothermia, shock and coagulation disorders in a kidney transplant (clinical conference)] **Medicina (B Aires)** 1986; 46(6):729-38 **(Spa)**

[Influence of general anesthetic agents on postoperative paralytic ileus. Experimental study in dogs] Alcaraz Lorente PJ, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr;34(2):108-14 (Eng. Abstr.) **(Spa)**

[Electrocardiographic changes during orthotopic liver transplantation in swine] Aller Reyero MA, et al. **Rev Esp Anestesiol Reanim** 1987 May-Jun;34(3):176-82 (Eng. Abstr.) **(Spa)**

[Anterior spinal artery syndrome and intradural anesthesia] Arbonés Arán E, et al. **Rev Esp Anestesiol Reanim** 1987 May-Jun;34(3):221-4 (Eng. Abstr.) **(Spa)**

[A case of peritonism in transurethral resection of a neoplasm of the dome of the urinary bladder (letter)] Barrera E, et al. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):276 **(Spa)**

[Hypoglycemia in the immediate postoperative period in pheochromocytoma (letter)] Otero C, et al. **Rev Esp Anestesiol Reanim** 1986 Sep-Oct;33(5):371 **(Spa)**

[Lithiasis of the bile ducts. 5 years' experience] González González JJ, et al. **Rev Esp Enferm Apar Dig** 1987 Feb; 71(2):127-31 (Eng. Abstr.) **(Spa)**

[Complications of surgery of biliary lithiasis, with special reference to iatrogenic lesions] Martínez Rodríguez E. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):237-40 (Eng. Abstr.) **(Spa)**

[Gastroduodenal ulcer, surgery and colorectal cancer] Placer Galán C. **Rev Esp Enferm Apar Dig** 1987 May;71(5):450-1 (Eng. Abstr.) **(Spa)**

[Digestive hemorrhage in the stomach after surgery. I. Early bleeding] Yangüela JM, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):310-2 (Eng. Abstr.) **(Spa)**

[Constrictive pericarditis following cardiac surgery] Díaz RA, et al. **Rev Med Chil** 1987 Feb;115(2):141-4 (Eng. Abstr.) **(Spa)**

[Postoperative respiratory failure after parenteral administration of analgesics] Holst J, et al. **Lakartidningen** 1987 Apr 29;84(18):1558-9 **(Swe)**

IMMUNOLOGY

Serum immunoglobulins and secretory IgA deficiency in tonsillectomized children. Cantani A, et al. **Ann Allergy** 1986 Dec;57(6):413-6

Transmission of human immunodeficiency virus by transplantation of a renal allograft, with development of the acquired immunodeficiency syndrome. Kumar P, et al. **Ann Intern Med** 1987 Feb;106(2):244-5

Lymphocyte macrophage interactions in the response to surgical infections. Christou NV, et al. **Arch Surg** 1987 Feb; 122(2):239-51

Red blood cell T-activation and hemolysis in surgical intensive care patients with severe infections. Lenz G, et al. **Blut** 1987 Feb;54(2):89-96

Thymostimulin prophylaxis of postoperative infections in anergic patients. Farina EC, et al. **Can J Surg** 1986 Nov; 29(6):445-6

Cytoimmunological monitoring in acute rejection and viral, bacterial or fungal infection following transplantation. Ertel W, et al. **J Heart Transplant** 1985 Jul-Aug;4(4):390-4

'Rejection or infection' predictive value of T-cell subject ratio, before and after heart transplantation. O'Toole CM, et al. **J Heart Transplant** 1985 Sep-Oct;4(5):518-24

T cell subset patterns in cyclosporine-treated renal transplant recipients with primary cytomegalovirus disease. Dafoe DC, et al. **Transplantation** 1987 Mar;43(3):452-4

[Cytomegalovirus infections following heart surgery. A prospective study of specific antibodies] Zegelman M, et al. **Helv Chir Acta** 1987 Feb;53(4):501-4 (Eng. Abstr.) **(Ger)**

[Post-traumatic/postoperative immune deficiency syndrome] Grob PJ, et al. **Schweiz Med Wochenschr** 1987 Mar 28; 117(13):471-80 (52 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Lysozyme in tears during post-operative inflammation of the eye. Sand BB, et al. **Acta Ophthalmol (Copenh)** 1986 Oct; 64(5):504-8

Net protein anabolism with hypocaloric parenteral nutrition in obese stressed patients. Dickerson RN, et al. **Am J Clin Nutr** 1986 Dec;44(6):747-55

Effect of soya bean oil on symptoms, gastric emptying and gut hormone release in patients with postvagotomy symptoms. Lawaetz O, et al. **Ann Chir Gynaecol** 1986; 75(6):308-13

Absence of significant role of bile acids in diarrhea of a heterogeneous group of postcholecystectomy patients. Fromm H, et al. **Dig Dis Sci** 1987 Jan;32(1):33-44

Myositis ossificans after total hip replacement and perioperative muscle ischemia. Ahrengart L, et al. **J Arthroplasty** 1987;2(1):65-9

[Calcium absorption in the digestive tract and calcium and phosphorus metabolism in postoperative hypoparathyroidism] Sawicki A. **Pol Arch Med Wewn** 1986 Jun;75(6):417-23 (Eng. Abstr.) **(Pol)**

[The state of the microsomal oxidative system of the rat liver in the postoperative period] Khakimov ZZ, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):34-8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cytomegalovirus-associated tubulointerstitial nephritis in an allogeneic bone marrow transplant recipient. Shorr RI, et al. **Ann Intern Med** 1987 Sep;107(3):351-2

Human papillomavirus heterogeneity in 36 renal transplant recipients. Van der Leest RJ, et al. **Arch Dermatol** 1987 Mar;123(3):354-7

An outbreak of Candida parapsilosis endophthalmitis: analysis of strains by enzyme profile and antifungal susceptibility. O'Day DM, et al. **Br J Ophthalmol** 1987 Feb;71(2):126-9

The impact of multiple operations on the importance of arterial wall cultures. Durham JR, et al. **J Vasc Surg** 1987 Jan;5(1):160-9

Disseminated Trichosporon beigelii (cutaneum) infection in an artificial heart recipient. Murray-Leisure KA, et al. **JAMA** 1986 Dec 5;256(21):2995-8

Bacteremia following transurethral instrumentation. The predictive value of a serum bactericidal activity test. Arpi M, et al. **Scand J Urol Nephrol** 1986;20(3):169-76

Bacterial culture of the anterior urethra and its relationship to post-operative bacteriuria. Walker L, et al. **Urol Res** 1986;14(4):179-82

[Acute post-stress cholecystitis and Torulopsis glabrata septicemia (letter)] Albanese J, et al. **Presse Med** 1987 Jan 31;16(3):126 **(Fre)**

MORTALITY

Late results and prognosis after carotid artery surgery. Rinta K, et al. **Acta Chir Scand** 1987 Feb;153(2):99-103

Prognostic effect of bundle branch block related to coronary artery bypass grafting. Chu A, et al. **Am J Cardiol** 1987 Apr 1;59(8):798-803

Results of the Senning procedure in infants with simple and complex transposition of the great arteries. George BL, et al. **Am J Cardiol** 1987 Feb 15;59(5):426-30

Survival from hepatic transplantation. Relationship of protein synthesis to histological abnormalities in patient selection and postoperative management. Jenkins RL, et al. **Ann Surg** 1986 Oct;204(4):364-74

St. Jude Medical prosthesis: valve-related deaths and complications. Arom KV, et al. **Ann Thorac Surg** 1987 Jun; 43(6):591-8

Causes of death in renal transplant recipients. A review of autopsy findings from 1966 through 1985. Scroggs MW, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):983-7

Mortality of gastrointestinal complication after cardiac surgery [letter] Quinn KP. **Arch Surg** 1987 Aug;122(8):957

Cardiac transplantation in Australia. Keogh A, et al. **Aust Fam Physician** 1986 Nov;15(11):1474-5, 1479-81

Re: Colorectal cancer: a large unselected Australian series [letter] Hughes ES. **Aust NZ J Surg** 1987 Jul;57(7):493

Predicting septic related mortality of the individual surgical patient based on admission host-defence measurements. Christou NV. **Can J Surg** 1986 Nov;29(6):424-8

Problems in the modified Fontan operation for univentricular heart of the right ventricular type. Matsuda H, et al. **Circulation** 1987 Sep;76(3 Pt 2):III45-52

Survival at 5 to 10 years after aorto-coronary bypass operations in 1041 consecutive patients. Laird-Meeter K, et al. **Eur Heart J** 1987 May;8(5):449-56

Mortality from postoperative myocardial infarction in nonthoracic surgical patients at a community hospital [published erratum appears in Henry Ford Hosp Med J 1986;34(3):219] Gray ML, et al. **Henry Ford Hosp Med J** 1986;34(2):117-9

Aortic valve replacement and combined aortic valve replacement and coronary artery bypass grafting: predicting high risk groups. Magovern JA, et al. **J Am Coll Cardiol** 1987 Jan;9(1):38-43

Surgery in patients with cystic fibrosis. Olsen MM, et al. **J Pediatr Surg** 1987 Jul;22(7):613-8

Increased risk of urgent revascularization. Teoh KH, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):291-9

Outcome of massive transfusion exceeding two blood volumes in trauma and emergency surgery. Phillips TF, et al. **J Trauma** 1987 Aug;27(8):903-10

A population-based study of prostatectomy: outcomes associated with differing surgical approaches. Roos NP, et al. **J Urol** 1987 Jun;137(6):1184-8

Radical cystectomy for carcinoma of the bladder in the elderly patient. Wood DP Jr, et al. **J Urol** 1987 Jul; 138(1):46-8

Postoperative cardiac death [editorial] **Lancet** 1987 Jul 11; 2(8550):77-8

Postoperative cardiac death [letter] Urquhart J. **Lancet** 1987 Aug 22;2(8556):455-6

Abdominal surgery in elderly patients: statistical analysis of clinical factors prognostic of mortality in 1,000 cases. Reiss R, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):135-40

Liver transplantation in Groningen--long-term survivors in the first cohort. Gips CH. **Neth J Med** 1986;29(11):357-8

Mortality review in the University Department of Surgery, Singapore General Hospital: January-December, 1981. Lim SM, et al. **Singapore Med J** 1986 Aug;27(4):296-9

Postoperative care in pediatric orthotopic liver transplantation. Clément de Cléty S, et al.

Transplant Proc 1987 Aug;19(4):3338–43

Spinal anaesthesia for surgical correction of fracture of the proximal femur. Garstin WI, et al. **Ulster Med J** 1987 Apr; 56(1):39–44

[Approach to therapeutic risk by study of operative mortality. From 102 postoperative deaths between 1975 and 1984 at the Fondation Bergonié] Avril A, et al. **J Chir (Paris)** 1987 Mar;124(3):192–7 (Eng. Abstr.) **(Fre)**

[Risk factors in gastric ulcer surgery after the age of 70 years. 34 cases] Sala JJ, et al. **Presse Med** 1986 Sep 27; 15(32):1617–9 (Eng. Abstr.) **(Fre)**

[Heart transplant. Indications and results] Limet R. **Rev Med Liege** 1987 May 1;42(9):403–5 **(Fre)**

[Lethality and morbidity of gynecologic interventions. A study of the Professional Society of Swiss Gynecologic Clinics] Hochuli E, et al. **Arch Gynecol** 1986; 239(3–4):128–36 **(Ger)**

[Risk of surgical interventions on the gallbladder and bile ducts] Braun L. **Chirurg** 1987 Jun;58(6):413–7 (Eng. Abstr.) **(Ger)**

[The acute physiology score as a stratification and prognostic criterion in patients in a surgical intensive care ward] Müller JM, et al. **Chirurg** 1987 May;58(5):334–40 (Eng. Abstr.) **(Ger)**

[Complications following splenectomy] Encke A, et al. **Langenbecks Arch Chir** 1986;369:251–7 (Eng. Abstr.) **(Ger)**

[Morbidity and mortality following resection of an aortic aneurysm in the aged] Raithel D, et al. **Langenbecks Arch Chir** 1986;369:349–53 (Eng. Abstr.) **(Ger)**

[Life-prolonging effect of surgical therapy of gastrointestinal neoplasms] Schlag P, et al. **Lebensversicherungsmedizin** 1987 Jul 1;39(4):102–6 (Eng. Abstr.) **(Ger)**

[Surgical risk in endocrine diseases] Scheidegger K. **Ther Umsch** 1987 Jul;44(7):530–4 (Eng. Abstr.) **(Ger)**

[The age-related development of mortality in pediatric surgery] Schickedanz H, et al. **Z Arztl Fortbild (Jena)** 1986; 80(11):451–4 **(Ger)**

[Heart valve replacement in patients over age 60: analysis of the peri- and postoperative course compared to patients under age 60] Schön HR, et al. **Z Kardiol** 1987 Mar; 76(3):137–42 (Eng. Abstr.) **(Ger)**

[Mortality and morbidity following surgical therapy of perforated gastroduodenal ulcers] Bäumer F. **Zentralbl Chir** 1987;112(8):485–90 (Eng. Abstr.) **(Ger)**

[Postoperative coma caused by liver failure] Kremer B, et al. **Zentralbl Chir** 1986;111(19):1166–70 (Eng. Abstr.) **(Ger)**

[Arguments for regional centralized treatment of stomach cancer. A statistical study of national results] Slisów W, et al. **Zentralbl Chir** 1987;112(1):27–33 (Eng. Abstr.) **(Ger)**

[The geriatric patient in surgical gynecology. Results of the treatment of geriatric patients—a postoperative quality control] Rummler S, et al. **Zentralbl Gynakol** 1986; 108(18):1089–100 (Eng. Abstr.) **(Ger)**

[Can mortality in severe traumatic brain damage be generally reduced?] Hernesniemi J, et al. **Zentralbl Neurochir** 1986; 47(2):99–104 (Eng. Abstr.) **(Ger)**

[Bochdalek hernia—cause of the high mortality rate after hernial repair in infants] Rubin M, et al. **Harefuah** 1986 Jul;111(1–2):42–3 **(Heb)**

[Postoperative mortality rate in patients undergoing surgery for atherosclerotic ischemia of the lower extremities] Kulicki M, et al. **Pol Tyg Lek** 1987 Mar 23–30; 42(12–13):382–6 (Eng. Abstr.) **(Pol)**

[Causes of death in patients after the surgical treatment of esophageal cancer] Ryndin VD, et al. **Klin Khir** 1986; (10):12–4 (Eng. Abstr.) **(Rus)**

[Causes of death after operations for patent ductus arteriosus] Obatnin IuI. **Vestn Khir** 1986 Nov;137(11):119–21 **(Rus)**

[Means of reducing postoperative mortality in acute intestinal obstruction in children] Urusov VA, et al. **Vestn Khir** 1986 Aug;137(8):84–8 (Eng. Abstr.) **(Rus)**

NURSING

A sampling study of bedside nursing activity in a cardiac surgical intensive care unit. Part 2. The effect of time and shift on the nursing workload. Crew AD, et al. **Intensive Care Med** 1987;13(3):192–8

Nursing management of the patient with total en bloc resection of the temporal bone. Brown JG, et al. **J Neurosci Nurs** 1986 Dec;18(6):349–53

Cerebral vasospasm: theoretical causes, medical management, and nursing implications. Mitchell SK, et al. **J Neurosci Nurs** 1986 Dec;18(6):315–24

[Types of fever in the puerperium after cesarean section] Ding PJ. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):248–9 **(Chi)**

[Monitoring of patients with 3d degree AV-block after operations on heart ventricular septal defects] Hong HL. **Chung Hua Hu Li Tsa Chih** 1986 Oct;21(7):301–2 **(Chi)**

[Monitoring of patients with arrhythmia after heart surgery] Wang XY. **Chung Hua Hu Li Tsa Chih** 1986 Oct; 21(7):299–300 **(Chi)**

OCCURRENCE

Ventriculostomy-related infections—an epidemiological study. Stenager E, et al. **Acta Neurochir (Wien)** 1986; 83(1–2):20–3

Vascular injuries during gynecologic surgery. Bergqvist D, et al. **Acta Obstet Gynecol Scand** 1987;66(1):19–23

Coronary artery bypass surgery in patients aged 80 years or older. Naunheim KS, et al. **Am J Cardiol** 1987 Apr 1; 59(8):804–7

Cutaneous complications in renal transplant recipients. Cohen EB, et al. **Am J Clin Pathol** 1987 Jul;88(1):32–7

Complications encountered with the use of the Greenfield filter. Carabasi RA 3d, et al. **Am J Surg** 1987 Aug; 154(2):163–8

Postoperative deep vein thrombosis in the Taiwanese Chinese population. Cheng KK, et al. **Am J Surg** 1987 Mar; 153(3):302–5

Critical appraisal of horizontal gastroplasty. Knol JA, et al. **Am J Surg** 1987 Mar;153(3):256–61

Nonoperative observation therapy for splenic injuries: a safe therapeutic option? Luna GK, et al. **Am J Surg** 1987 May; 153(5):462–8

Adhesive small bowel obstruction. A review of 321 cases in a Thai hospital. Tanphiphat C, et al. **Am J Surg** 1987 Sep;154(3):283–7

Thyroid surgery in the elderly. Reeve TS, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):54–7

Christiansen replacement hemiarthroplasty in femoral neck fractures of the elderly. Kuokkanen H, et al. **Ann Chir Gynaecol** 1987;76(2):104–7

Infectious complications in heart transplant recipients receiving cyclosporine and corticosteroids. Hofflin JM, et al. **Ann Intern Med** 1987 Feb;106(2):209–16

Incidence and management of intra-abdominal infections in pancreas transplant recipients [letter] Blenkharn JI, et al. **Ann Surg** 1986 Dec;204(6):726–7

Complications of venous reconstruction in human orthotopic liver transplantation. Lerut J, et al. **Ann Surg** 1987 Apr; 205(4):404–14

Event-free survival following nonemergency myocardial revascularization during hypothermic fibrillatory arrest. Akins CW, et al. **Ann Thorac Surg** 1987 Jun;43(6):628–33

Transhiatal esophagectomy for carcinoma of the esophagus: experience with 26 patients. Hankins JR, et al. **Ann Thorac Surg** 1987 Aug;44(2):123–7

Ivor Lewis esophagogastrectomy for carcinoma of the esophagus: early and late functional results. King RM, et al. **Ann Thorac Surg** 1987 Aug;44(2):119–22

Thromboembolic and other events following valve replacement in a pediatric population treated with antiplatelet agents. McGrath LB, et al. **Ann Thorac Surg** 1987 Mar;43(3):285–7

The incidence of bacteremia during skin surgery. Sabetta JB, et al. **Arch Dermatol** 1987 Feb;123(2):213–5

Limited choroidal hemorrhage associated with extracapsular cataract extraction. Bukelman A, et al. **Arch Ophthalmol** 1987 Mar;105(3):338–41

Tubal sterilization—its aftermath. Paterson PJ. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):55–7

Morbidity audit, 1984, Canadian Society for Vascular Surgery. Sladen JG. **Can J Surg** 1987 Jan;30(1):3–4

Cerebrospinal fluid shunt infections in children. A study on the relationship between the etiology of hydrocephalus, age at the time of shunt placement, and infection rate. Ammirati M, et al. **Childs Nerv Syst** 1987;3(2):106–9

Strut fracture and other events after valve replacement with the 60 degree convexoconcave Björk-Shiley prosthesis. Gonzalez-Lavin L, et al. **Circulation** 1987 Sep;76(3 Pt 2):III137–40

Long-term performance of the St. Jude Medical valve: low incidence of thromboembolism and hemorrhagic complications with modest doses of warfarin. Kopf GS, et al. **Circulation** 1987 Sep;76(3 Pt 2):III132–6

Myocardial infarction in patients undergoing noncardiac surgery. Becker RC, et al. **Cleve Clin J Med** 1987 Jan–Feb; 54(1):25–8

The UCLA Charnley experience: a long-term follow-up study using survival analysis. Jinnah RH, et al. **Clin Orthop** 1986 Oct;(211):164–72

The surgical risk of colectomy in patients with cirrhosis. Metcalf AM, et al. **Dis Colon Rectum** 1987 Jul;30(7):529–31

Influence of alcohol on morbidity after colonic surgery. Tønnesen H, et al. **Dis Colon Rectum** 1987 Jul;30(7):549–51

Long-term ileostomy complications in patients with ulcerative colitis and Crohn's disease. Carlstedt A, et al. **Int J Color Dis** 1987 Feb;2(1):22–5

Long-term results of continent ileostomy. Järvinen HJ, et al. **Int J Color Dis** 1986 Jan;1(1):40–3

Indications and results of total hysterectomy. Chryssikopoulos A, et al. **Int Surg** 1986 Jul–Sep; 71(3):188–94

Complications and mortality associated with bilateral or unilateral total knee arthroplasty. Morrey BF, et al. **J Bone Joint Surg [Am]** 1987 Apr;69(4):484–8

Recurrence of Crohn's disease after resection. Are there any risk factors? Speranza V, et al. **J Clin Gastroenterol** 1986 Dec;8(6):640–6

Complications of vasectomies in the United States. Kendrick JS, et al. **J Fam Pract** 1987 Sep;25(3):245–8

Use of the total artificial heart as an interim device: initial experience in Pittsburgh with four patients. Griffith BP, et al. **J Heart Transplant** 1986 May–Jun;5(3):210–4

Summary of the world experience with clinical use of total artificial hearts as heart support devices. Joyce LD, et al. **J Heart Transplant** 1986 May–Jun;5(3):229–35

Three recent cases of the total artificial heart before transplantation. Levinson MM, et al. **J Heart Transplant** 1986 May–Jun;5(3):215–28

Bridge to heart transplantation: the Penn State experience. Magovern JA, et al. **J Heart Transplant** 1986 May–Jun; 5(3):196–202

The influence of acute preoperative pulmonary infarction on the results of heart transplantation. Young JN, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):20–2

Problems in the investigation of an apparent outbreak of coagulase-negative staphylococcal septicaemia following cardiac surgery. Houang ET, et al. **J Hosp Infect** 1986 Nov;8(3):224–32

Apparent improvement in the outcome of hip or knee-joint replacement operations over the period of a prospective study. Lidwell OM. **J Hyg (Lond)** 1986 Dec;97(3):501–2

Nasal adhesions. Shone GR, et al. **J Laryngol Otol** 1987 Jun; 101(6):555–7

The Heyman-Herndon tarsometatarsal capsulotomy for metatarsus adductus: results in 48 feet. Stark JG, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):305–10

Clinical and hemodynamic assessment of the Omniscience prosthetic heart valve. Carrier M, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):300–7

Biological versus mechanical valves. Analysis of 1,116 valves inserted in 1,012 adult patients with a 4,818 patient-year and a 5,327 valve-year follow-up. Hammond GL, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):182–98

Concurrent oral surgery and orthopaedic treatment in the multiply injured patient: is there an increased incidence of orthopaedic sepsis? Foster RJ, et al. **J Trauma** 1987 Jun; 27(6):626–38

Cholelithiasis and aortic reconstruction: the problem of simultaneous surgical therapy. Conclusions from a personal series. Fry RE, et al. **J Vasc Surg** 1986 Oct;4(4):345–50

Extended study of aneurysm formation in umbilical vein grafts. Karkow WS, et al. **J Vasc Surg** 1986 Nov; 4(5):486–92

Lower extremity amputation: the control series. Keagy BA, et al. **J Vasc Surg** 1986 Oct;4(4):321–6

Long-term postoperative status of tetralogy of Fallot. Miyamura H, et al. **Jpn Circ J** 1986 Sep;50(9):855–8

Immediate and late results in the surgical treatment of gastric ulcer. Păunescu V, et al. **Med Interne** 1987 Apr–Jun; 25(2):85–92

Major morbidity after pelvic exenteration: a seven-year experience. Roberts WS, et al. **Obstet Gynecol** 1987 Apr; 69(4):617–21

Post-neurosurgical and spontaneous gram-negative bacillary meningitis in adults. Mancebo J, et al. **Scand J Infect Dis** 1986;18(6):533–8

Postoperative urinary retention. II. Micturition problems after the first catheterization. Tammela T, et al. **Scand J Urol Nephrol** 1986;20(4):257–60

Late mortality and morbidity after liver transplantation. Iwatsuki S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2373–7

Pediatric liver transplantation: patient evaluation and selection, infectious complications, and life-style after transplantation. Zitelli BJ, et al. **Transplant Proc** 1987 Aug; 19(4):3309–16

Early experience with Walsh technique of radical retropubic prostatectomy. Fowler JE Jr, et al. **Urology** 1987 Mar; 29(3):242–6

[Postoperative evolution in 65 interventions for esophageal atresia] Zanardo V, et al. **Ann Pediatr (Paris)** 1986 Nov; 33(9):847–9 (Eng. Abstr.) **(Fre)**

[Infectious complications in gynecological interventions by abdominal approach] Grio R, et al. **Minerva Ginecol** 1987 Mar;39(3):107–10 (Eng. Abstr.) **(Ita)**

[A score for detecting postoperative pulmonary complications, and its validity] Yasumoto K, et al. **Masui** 1986 Jul;35(7):1083–92 (Eng. Abstr.) **(Jpn)**

[Experimental study of the artificial esophagus of the dog: comparison of materials and concerning to the neogenesis of the intima and the occurrence of the stenosis] Ohishi K, et al. **Nippon Geka Hokan** 1987 Mar 1;56(2):183–98 (Eng. Abstr.) **(Jpn)**

[Abdominal operations. Postoperative complications in patients over 80] Nordstrand K, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17–18):1461–4 (Eng. Abstr.) **(Nor)**

[Urinary infection after transplantation: prevalence, predisposing factors and morbidity] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan–Feb;41(1):16–9 (Eng. Abstr.) **(Por)**

[Re-intervention after gastric cancer surgery] Rădulescu D, et al. **Rev Chir [Chir]** 1987 Jan–Feb;36(1):5–14 (Eng. Abstr.) **(Rum)**

[Immediate complications in the surgery of perforated ulcer] Tircoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec;90(4):665–8 (Eng. Abstr.) **(Rum)**

[The postoperative period in malignant tumors of the paranasal sinuses following preoperative and radical regimens of neutron therapy] Kitsmaniuk ZD, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):11–4 (Eng. Abstr.) **(Rus)**

[Incidence of pulmonary embolism based on our surgical data] Koreň K, et al. **Rozhl Chir** 1987 Feb;66(2):95–100 (Eng. Abstr.) **(Slo)**

[Anesthetic and surgical factors affecting the postoperative course of surgery of the aorto-iliac segment] Asuero M, et al. **Angiologia** 1987 May–Jun;39(3):112–8 (Eng. Abstr.)

(Spa)

[Complications in surgery of cancer of the esophagus and cardia] Suárez A, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):407–10 (Eng. Abstr.) (Spa)

[Complications of diverticular disease of the colon observed in the Hospital Santo Tomás 1967–1982] Wong JC. **Rev Med Panama** 1986 Sep;11(3):210–3 (Eng. Abstr.) (Spa)

PARASITOLOGY

[Cryptosporidiosis in grafting of allogeneic bone marrow] Rio B, et al. **Presse Med** 1986 Sep 20;15(30):1414–6 (Eng. Abstr.) (Fre)

PATHOLOGY

The distinction between acute renal transplant rejection and cyclosporine nephrotoxicity: value of duplex sonography. Buckley AR, et al. **AJR** 1987 Sep;149(3):521–5

Pathologic explanation for postoperative obstipation in Hirschsprung's disease revealed with monoclonal antibody staining. Klück P, et al. **Am J Clin Pathol** 1986 Oct; 86(4):490–2

Propionibacterium acnes cerebral botryomycosis. The role of plastic embedding in the diagnosis of grain-producing infections. Schwartz DA, et al. **Am J Clin Pathol** 1986 Nov;86(5):682–5

Bladder granulomata after bladder surgery. Spagnolo DV, et al. **Am J Clin Pathol** 1986 Oct;86(4):430–7

Recurrent Henoch–Schönlein purpura following renal transplantation. Nast CC, et al. **Am J Kidney Dis** 1987 Jan; 9(1):39–43

Perigraft seroma: clinical, histologic, and serologic correlates. Ahn SS, et al. **Am J Surg** 1987 Aug;154(2):173–8

Tumor recurrence within myocutaneous flaps. Ellison DE, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):26–8

Pathologic quiz case 1. Amputation neuroma of the great auricular nerve. Toriumi DM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):888–90

Histologic and endoscopic studies before and after gastric bypass surgery. Park HK, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1164–7

Mesenteric cyst–ovarian implant syndrome. Payan HM, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):282–4

Vitreoretinal junction in infectious endophthalmitis in a primate eye. Miller B, et al. **Br J Ophthalmol** 1987 Jun; 71(6):454–7

Conduction system in cases of sudden death in congenital heart disease many years after surgical correction. Bharati S, et al. **Chest** 1986 Dec;90(6):861–8

Retinal detachment following neodymium–YAG laser capsulotomy. Vester CA, et al. **Fortschr Ophthalmol** 1986; 83(4):441–3

MacFee incisions: dispelling the myth of cervical flap vascular inadequacy. Daniell CH, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):167–71

Malignant melanoma of conjunctiva following surgical excision of naevus. Betharia SM, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):259–61

Bee sting nephropathy in a transplant patient. Taber TE, et al. **Indiana Med** 1986 Sep;79(9):778–9

Multiple adenomatous polyps arising in a continent reservoir ileostomy. Stryker SJ, et al. **Int J Color Dis** 1987 Feb; 2(1):43–5

Painful plantar scars. Lynch DM, et al. **J Am Podiatr Med Assoc** 1986 Dec;76(12):681–3

Relationships between neuropathology and cognitive functioning in temporal lobectomy patients. McMillan TM, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):167–76

Epithelial inclusion cyst in the temporomandibular joint after a dermal graft. Bonnington G, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):705–7

Intra-ocular haemorrhage in menstruation. Atta HR, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):34–6

Retrogastric hernia through the lesser omentum: a rare complication of proctocolectomy. Ross AH, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):53–4

Occurrence of peptic ulcer in the gastric tube used for esophageal replacement in adults. Uchida Y, et al. **Jpn J Surg** 1987 May;17(3):190–4

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 7–1987. A 46-year-old woman with abdominal pain, ascites, and a pelvic mass. **N Engl J Med** 1987 Feb 12;316(7):394–403

Non-fatal leishmaniasis in a renal transplant recipient [letter] Lamas S, et al. **Nephron** 1987;45(1):71

Advanced gastric carcinoma: long-term survival after surgery according to the clinical and pathological findings. Zannini G, et al. **Panminerva Med** 1987 Jan–Mar; 29(1):17–21

Understanding flap necrosis [editorial] Myers B. **Plast Reconstr Surg** 1986 Dec;78(6):813–4

Morphologic findings in the renal allograft biopsy. Sibley RK, et al. **Semin Nephrol** 1985 Dec;5(4):294–306

Clinical, electron microscopic, and monoclonal antibody studies of intraocular epithelial downgrowth. Rodrigues MM, et al. **Trans Am Ophthalmol Soc** 1986;84:146–69

Monitoring of orthotopic liver transplantation in children by means of serial graft biopsies. de Ville de Goyet J, et al. **Transplant Proc** 1987 Aug;19(4):3323–6

Pelviureteric obstruction in children: growth of kidney parenchymal area after pyeloplasty. Vihma Y. **Z Kinderchir** 1987 Apr;42(2):91–3

[Malacoplakia and renal transplantation. Report of a case of testicular malacoplakia] Benoit G, et al. **Ann Urol (Paris)** 1986;20(5):337–40 (Eng. Abstr.) (Fre)

[Acute acalculous (postoperative) cholecystitis with bile embolism of the lung] Helpap B, et al. **Chirurg** 1987 Jul; 58(7):496–500 (Ger)

[Real-time controlled pleural puncture in surgical intensive care patients] Kohlberger E, et al. **Chirurg** 1987 Apr; 58(4):261–4 (Eng. Abstr.) (Ger)

[Clinicopathologic correlations in keratoplasty eyes (autopsy eyes)] Lang GK, et al. **Fortschr Ophthalmol** 1986; 83(6):650–4 (Eng. Abstr.) (Ger)

[Qualitative and quantitative function study of the corneal endothelium following penetrating keratoplasty] Ohrloff C, et al. **Fortschr Ophthalmol** 1986;83(5):547–51 (Eng. Abstr.) (Ger)

[Fluorophotometric studies of the corneal endothelium following phaco-emulsification with implantation of posterior chamber lenses] Schalnus R, et al. **Fortschr Ophthalmol** 1986;83(5):552–5 (Eng. Abstr.) (Ger)

[Effect of cataract treatment with the neodymium YGA laser on corneal endothelial cell density] Schrems W, et al. **Fortschr Ophthalmol** 1986;83(4):433–5 (Eng. Abstr.) (Ger)

[Reaction of the eye to absence of the vitreous body] Spitznas M, et al. **Fortschr Ophthalmol** 1987;84(3):269–72 (Eng. Abstr.) (Ger)

[Pathology of the corneal endothelium in pseudophakic keratopathy] Wolter JR. **Fortschr Ophthalmol** 1987; 84(2):109–14 (Eng. Abstr.) (Ger)

[Desmoid tumor in a cesarean section scar as a labor complication in subsequent pregnancy] Brezinka C, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):908–9 (Eng. Abstr.) (Ger)

[Animal experiment studies of neurolysis of peripheral nerves] Goth D. **Handchir Mikrochir Plast Chir** 1987 Jul; 19(4):212–6 (Eng. Abstr.) (Ger)

[Incidence of taste disorders following tonsillectomy] Arnhold-Schneider M, et al. **HNO** 1987 May;35(5):195–8 (Eng. Abstr.) (Ger)

[Scar neuroma following tumor operations of the head and neck. Immunohistologic studies, differential diagnosis, therapy] Rauchfuss A, et al. **HNO** 1987 Feb;35(2):84–7 (Eng. Abstr.) (Ger)

[New central, epithelial iron deposit following epikeratophakia in high-grade myopia] Grabner G. **Klin Monatsbl Augenheilkd** 1987 May;190(5):424–7 (Eng. Abstr.) (Ger)

[Pathogenesis of hurricane keratitis] Hoffmann F. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):442–4 (Eng. Abstr.) (Ger)

[Biomicroscopy of an intraocular lens. Comparison of specular microscopy findings with the cytologic specimen] Wenzel M, et al. **Klin Monatsbl Augenheilkd** 1987 May; 190(5):442–4 (Eng. Abstr.) (Ger)

[Development of esophageal cancers in patients following cardiomyotomy] Horváth OP, et al. **Langenbecks Arch Chir** 1986;368(3):163–72 (Eng. Abstr.) (Ger)

[Capsule fibrosis in silicone implants] Stock W, et al. **Langenbecks Arch Chir** 1986;369:303–8 (Eng. Abstr.) (Ger)

[Retraction pocket as a potential for cholesteatoma recurrence] Jansen C. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):499–501 (Eng. Abstr.) (Ger)

[Does bile duct dilatation occur after cholecystectomy?] Fuchs G, et al. **Med Klin** 1987 Jun 19;82(14):482–4 (Eng. Abstr.) (Ger)

[Long-term studies of children following therapy of brain tumors using nuclear magnetic resonance tomography and ultrasound] Higer HP, et al. **Monatsschr Kinderheilkd** 1987 Mar;135(3):161–5 (Eng. Abstr.) (Ger)

[Histology of the implant-bone interface in cemented and uncemented endoprostheses] Herren T, et al. **Orthopade** 1987 Jun;16(3):239–51 (Eng. Abstr.) (Ger)

[Alport syndrome, status following kidney transplantation, malabsorption syndrome; multilocular intestinal Kaposi sarcoma] Bachor R, et al. **Pathologe** 1987 Mar;8(2):122–4 (Ger)

[Evaluating transplant kidneys: nuclear magnetic resonance tomography in comparison with sonography] Reuther G, et al. **Rontgenblatter** 1987 Jul;40(7):215–21 (Eng. Abstr.) (Ger)

[Therapeutic percutaneous puncture and drainage of postoperative space-occupying lesions using permanent ultrasound and roentgen control] Gerstner GJ, et al. **Ultraschall Med** 1987 Feb;8(1):45–8 (Eng. Abstr.) (Ger)

[Fatal complication in arthroscopy in a gaseous medium] Grünwald J, et al. **Unfallchirurg** 1987 Feb;90(2):97 (Ger)

[Cancer induction by urinary drainage or diversion through intestinal segments?] Harzmann R, et al. **Urologe [A]** 1986 Jul;25(4):198–203 (Eng. Abstr.) (Ger)

[Clinical experience using polyurethane ureter endoprostheses and studies of the incrustation tendency] Kleinhans G, et al. **Urologe [A]** 1987 Mar;26(2):74–8 (Eng. Abstr.) (Ger)

[The transplanted heart. Morphologic findings in endomyocardial biopsies (EMCB)] Frenzel H, et al. **Z Kardiol** 1986;75 Suppl 5:115–9 (Ger)

[Results of percutaneous biopsy of kidney transplants. Analysis of 200 successful puncture biopsies] Ditscherlein G, et al. **Z Urol Nephrol** 1986 Nov;79(11):685–90 (Eng. Abstr.) (Ger)

[Post-traumatic astrocytoma] Janda J, et al. **Zentralbl Allg Pathol** 1987;133(1):55–9 (Eng. Abstr.) (Ger)

[Effect of temperature on compact bone in saw cutting in relation to the conditions of use] Fuchsberger A. **Zentralbl Chir** 1987;112(12):793–804 (Eng. Abstr.) (Ger)

[Results following reflux-free stomach resection with Roux-en-Y anastomosis in gastroduodenal ulcer] Mättig H, et al. **Zentralbl Chir** 1987;112(5):303–11 (Eng. Abstr.) (Ger)

[Sonography of the thyroid gland in surgery] Thaler W. **Zentralbl Chir** 1987;112(5):280–4 (Eng. Abstr.) (Ger)

[Gastric phytobezoars and small intestine obturation in the late period after vagotomy] Karaman NV, et al. **Klin Khir** 1986;(11):36–7 (Rus)

[Diaphragmatic flutter in a female patient after selective proximal vagotomy] Kushnir VE, et al. **Vrach Delo** 1986 Nov;(11):54–5 (Rus)

[Lipomatous evolution of surgical wounds following radical saphenectomy: an unusual complication] Marongiu G, et al. **Angiologia** 1987 Jan–Feb;39(1):33–5 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Respiratory depression following postoperative analgesia with epidural morphine. Madsen JV, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):417–20

Stainless steel skin staples—a useful electrode system for long-term electrophysiological measurements in neurosurgery. Technical note. Schwerdtfeger K, et al. **Acta Neurochir (Wien)** 1986;82(3–4):137–40

Relationship between arterial blood pressure and plasma norepinephrine levels in a patient with neurogenic hypertension. Franklin SS, et al. **Am J Med** 1986 Dec; 81(6):1105–7

The influence of a brief preoperative illness on postoperative healing. Goodson WH 3d, et al. **Ann Surg** 1987 Mar; 205(3):250–5

Diminished ability to interpret and report internal states after bilateral medial temporal resection: case H.M. Hebben N, et al. **Behav Neurosci** 1985 Dec;99(6):1031–9

Long-term follow-up of detrusor instability following the colposuspension operation [letter] Kadar N. **Br J Urol** 1987 Feb;59(2):197

Carbon dioxide excretion via bronchopleural fistulas in adult respiratory distress syndrome. Bishop MJ, et al. **Chest** 1987 Mar;91(3):400–2

Changes in pericardial surface pressure during pulmonary hypertensive crises after cardiac surgery. del Nido PJ, et al. **Circulation** 1987 Sep;76(3 Pt 2):III93–6

Therapeutic rounds: abnormally prolonged responses to neuromuscular blocking agents. Carlos R, et al. **Clin Ther** 1986;9(1):22–3, 135–6

Endogenous plasminogen activator and venous flow: therapeutic implications. Guyton DP, et al. **Crit Care Med** 1987 Feb;15(2):122–5

Severely decreased blood volume after coronary bypass surgery [letter] Karanko M. **Crit Care Med** 1987 Feb; 15(2):182

Post-operative rigidity after fentanyl administration. Bonnet F, et al. **Eur J Anaesthesiol** 1986 Sep;3(5):413–6

Gastric tone measured by an electronic barostat in health and postsurgical gastroparesis. Azpiroz F, et al. **Gastroenterology** 1987 Apr;92(4):934–43

Effects of renal impairment on liver transplantation. Rimola A, et al. **Gastroenterology** 1987 Jul;93(1):148–56

Fluid and electrolyte disturbances in the perioperative period. Stoops CM. **Indiana Med** 1987 Jan;80(1):13–9

Postoperative acute cholecystitis complicating unrelated operations. Eldar S, et al. **Isr J Med Sci** 1986 Dec; 22(12):892–6

Shape and function of the unilateral cleft nose in adolescents following modified Millard lip repair. Perko M. **J Craniomaxillofac Surg** 1987 Jun;15(3):117–21

Pathological display of affect in patients with depression and right frontal brain damage. An alternative mechanism. Ross ED, et al. **J Nerv Ment Dis** 1987 Mar;175(3):165–72

Patellar instability in juvenile amputees. McIvor JB, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):553–6

Neglect induced by thalamotomy in humans: a quantitative appraisal of the sensory and motor deficits. Velasco F, et al. **Neurosurgery** 1986 Nov;19(5):744–51

Auditory tube function and audiogram changes following corrective orthognathic maxillary and mandibular surgery in cleft and non-cleft patients. Barker GR. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):133–8

Temporary diastolic noncompliance with preserved systolic function after heart transplantation. Davies RA, et al. **Transplant Proc** 1987 Aug;19(4):3444–7

Cytomegalovirus infection after renal transplantation. Pulmonary dysfunction measured by decreased diffusing capacity for carbon monoxide in patients with symptomatic and asymptomatic infection. van Son WJ, et al. **Transplantation** 1987 Jul;44(1):149–50

[Functional limitations of parenchymal resections in excisions for cancer. Spirographic and blood gas data] Roeslin N, et al. **Ann Chir** 1986 Nov;40(8):589–92 (Eng. Abstr.) (Fre)

[Post-anesthetic complications in withdrawal of anticholinergics] Lepointe F, et al. **Cah Anesthesiol** 1986 Aug-Sep;34(5):435-6 **(Fre)**

[Surgically treated carpal tunnel syndrome--clinical and electrophysiologic follow-up] Urbanski A, et al. **Aktuel Traumatol** 1986 Aug;16(4):137-42 (Eng. Abstr.) **(Ger)**

[Postoperative disorders of cardiovascular function] Schütz I, et al. **Anaesthesist** 1987 Mar;36(3):102-10 (38 ref.) (Eng. Abstr.) **(Ger)**

[Endoscopic perfusion manometry of the common bile duct in the post-cholecystectomy syndrome] Weber J, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(5):276-81 (Eng. Abstr.) **(Ger)**

[Retinal function following panretinal laser coagulation in diabetic retinopathy--dependence on the size and density of coagulation spots] Seiberth V, et al. **Fortschr Ophthalmol** 1986;83(4):462-6 (Eng. Abstr.) **(Ger)**

[Vascular spasms in microsurgery] Bruch HP, et al. **Handchir Mikrochir Plast Chir** 1987 Jul;19(4):186-90 (Eng. Abstr.) **(Ger)**

[Clinical and electroneurographic results following surgery of carpal tunnel syndrome] Deutinger M, et al. **Handchir Mikrochir Plast Chir** 1987 May;19(3):156-60 (Eng. Abstr.) **(Ger)**

[Functional performance of spleen transplants] Hohenberger W. **Langenbecks Arch Chir** 1986;369:405-10 (Eng. Abstr.) **(Ger)**

[Recurrent urinary incontinence: cystomanometry--conditio sine qua non?] Madersbacher H, et al. **Urologe [A]** 1986 Sep;25(5):271-7 (Eng. Abstr.) **(Ger)**

[The effect of aging on endoprostheses] Aldinger G, et al. **Z Orthop** 1986 Jul-Aug;124(4):392-5 **(Ger)**

[Simultaneous rotation and lateral inclination of the head. A clinical sign of restricted motion in segment C1/2] Jeanneret B. **Z Orthop** 1987 Jan-Feb;125(1):10-3 (Eng. Abstr.) **(Ger)**

[Evaluation of cerebral blood flow in postoperative increased intracranial pressure] Zderkiewicz E. **Neurol Neurochir Pol** 1986 Jul-Aug;20(4):341-6 (Eng. Abstr.) **(Pol)**

[Kidney concentrating function and causes of its disorder in heart surgery patients] Dement'eva II, et al. **Anesteziol Reanimatol** 1987 Mar-Apr;(2):11-5 (Eng. Abstr.) **(Rus)**

[Central and peripheral hemodynamics against a background of sodium nitroprusside therapy of circulatory disorders in patients after heart valve prosthesis] Vladimirov PV, et al. **Kardiologiia** 1987 Jun;27(6):67-71 (Eng. Abstr.) **(Rus)**

[Changes in ocular hemodynamics during the development or progression of cataract following glaucoma surgery] Dovlatian TS. **Oftalmol Zh** 1987;(2):101-3 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Clinical lung transplantation: state of the art after 23 years of rational progress [letter] Vanderhoeft P. **Acta Chir Belg** 1986 Sep-Oct;86(5):317-8

Stratified duration of prophylactic antimicrobial treatment in emergency abdominal surgery. Metronidazole-fosfomycin vs. metronidazole-gentamicin in 381 patients. Andåker L, et al. **Acta Chir Scand** 1987 Mar;153(3):185-92

Arterial thromboembolectomy--should anticoagulants be administered? Jivegård L, et al. **Acta Chir Scand** 1986 Aug-Sep;152:493-7

Prophylaxis of deep vein thrombosis after major abdominal surgery. Comparison between dihydroergotamine-heparin and intermittent pneumatic calf compression and evaluation of added graduated static compression. Mellbring G, et al. **Acta Chir Scand** 1986 Oct;152:597-600

A low molecular weight heparin (KABI 2165) for prophylaxis of postoperative deep venous thrombosis. Onarheim H, et al. **Acta Chir Scand** 1986 Oct;152:593-6

Phenytoin plasma levels after intraoperative administration, for the prevention of post-craniotomy seizures. Tsolaki M, et al. **Acta Neurochir (Wien)** 1987;84(1-2):36-8

Prophylactic antibiotics in women with a history of pelvic inflammatory disease undergoing first-trimester abortion. Heisterberg L. **Acta Obstet Gynecol Scand** 1987;66(1):15-8

Urinary tract infection after vaginal surgery. Effect of prophylactic treatment with methenamine hippurate. Tyreman NO, et al. **Acta Obstet Gynecol Scand** 1986;65(7):731-3

Trabeculectomy with the use of sodium hyaluronate. A prospective study. Raitta C, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):407-13

The effect of indomethacin on para-articular ossification following total hip replacement. Steenmeyer AV, et al. **Acta Orthop Belg** 1986 May-Jun;52(3):305-7

Arthroplasty infections. Antisepsis and asepsis in orthopedics [editorial] **Acta Orthop Scand** 1987 Feb;58(1):1-3

Ultraclean air and antibiotics for prevention of postoperative infection. A multicenter study of 8,052 joint replacement operations. Lidwell OM, et al. **Acta Orthop Scand** 1987 Feb;58(1):4-13

Antibiotic-containing acrylic beads: radiographic appearances. Daffner RH, et al. **AJR** 1987 Jul;149(1):123-4

Prevention of atrial fibrillation or flutter by acebutolol after coronary bypass grafting. Daudon P, et al. **Am J Cardiol** 1986 Nov 1;58(10):933-6

Prevention of venous thromboembolism after general surgery. Cost-effectiveness analysis of alternative approaches to prophylaxis. Oster G, et al. **Am J Med** 1987 May;82(5):889-99

The prediction of cardiac risk in patients undergoing vascular surgery. Morise AP, et al. **Am J Med Sci** 1987 Mar;293(3):150-8

Preventing posthysterectomy vaginal vault prolapse and enterocele during vaginal hysterectomy. Cruikshank SH. **Am J Obstet Gynecol** 1987 Jun;156(6):1433-40

Adhesion formation and uterine tube healing in the rabbit: a controlled study of the effect of ibuprofen and flurbiprofen. Jarrett JC 2d, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1186-92

Reduction of astigmatism after keratoplasty [letter] Musch DC, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):844-5

Techniques for decreasing the incidence of cerebrospinal fluid leaks following translabyrinthine surgery. Sataloff RT, et al. **Am J Otol** 1987 Jan;8(1):73-4

Cesarean section prophylaxis: comparison of two doses with three doses of mezlocillin. Crombleholme WR, et al. **Am J Reprod Immunol Microbiol** 1987 Mar;13(3):71-5

Comparison of nonwoven and woven gown and drape fabric to prevent intraoperative wound contamination and postoperative infection. Garibaldi RA, et al. **Am J Surg** 1986 Nov;152(5):505-9

Infectious complications with the use of cyclosporine versus azathioprine after cadaveric kidney transplantation. Shaffer D, et al. **Am J Surg** 1987 Apr;153(4):381-6

Myalgia and biochemical changes following intermittent suxamethonium administration. Effects of alcuronium, lignocaine, midazolam and suxamethonium pretreatments on serum myoglobin, creatinine kinase and myalgia. Laurence AS. **Anaesthesia** 1987 May;42(5):503-10

Vomiting after ophthalmic surgery. Effects of intra-operative antiemetics and postoperative oral fluid restriction. Van den Berg AA, et al. **Anaesthesia** 1987 Mar;42(3):270-6

Hemorheology in surgery--a review. Müller R, et al. **Angiology** 1987 Aug;38(8):581-92 (38 ref.)

A comparison between netilmicin with metronidazole and doxycycline as prophylaxis in elective colorectal surgery. Brolin J, et al. **Ann Chir Gynaecol** 1986;75(4):219-24

Can the failure of a below-knee amputation be predicted? Predictability of below-knee amputation healing. Lepäntalo M, et al. **Ann Chir Gynaecol** 1987;76(2):119-23

Prednisolone acetate-gentamicin combination following cataract surgery. Carriker F, et al. **Ann Ophthalmol** 1987 Jul;19(7):247-50

The use of sodium hyaluronate as a biologic sleeve in strabismus surgery. Searl SS, et al. **Ann Ophthalmol** 1987 Jul;19(7):259-62

Re: Franco: face-lift stigmas [letter] Rigg BM. **Ann Plast Surg** 1987 Jan;18(1):87

Imipenem (N-F-thienamycin) versus netilmicin plus clindamycin. A controlled and randomized comparison in intra-abdominal infections. Gonzenbach HR, et al. **Ann Surg** 1987 Mar;205(3):271-5

Verapamil prophylaxis for postoperative atrial dysrhythmias: a prospective, randomized, double-blind study using drug level monitoring. Ferraris VA, et al. **Ann Thorac Surg** 1987 May;43(5):530-3

Anatomical repair of transposition of the great arteries with intact ventricular septum in the neonate: guidelines to avoid complications. Mavroudis C. **Ann Thorac Surg** 1987 May;43(5):495-501

Air embolism prevention. Roe BB. **Ann Thorac Surg** 1987 Aug;44(2):212-3

Perfluorocarbon emulsions and air embolism [letter] Spiess BD, et al. **Ann Thorac Surg** 1987 Aug;44(2):223

Use of a dental mirror for postoperative eyelid examination [letter] Weinstein GS. **Arch Ophthalmol** 1987 Jun;105(6):747

Brainstem auditory evoked potentials: intraoperative monitoring technique in surgery of posterior fossa tumors. Aravabhumi S, et al. **Arch Phys Med Rehabil** 1987 Mar;68(3):142-6

Experimental and clinical use of adhesive on parenchymatous organs. Ota K, et al. **Arch Surg** 1968 Feb;96(2):231-6

Prophylaxis of postoperative infections after open-heart surgery by administration of human pepsinated immunoglobulin. Lozano R, et al. **Arzneimittelforschung** 1986 Oct;36(10):1535-9

Endotracheal intubation following thyroidectomy. Hamilton NT, et al. **Aust NZ J Surg** 1987 May;57(5):295-8

Complications of intraperitoneal dextran application for prevention of adhesions. Gauwerky JF, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):93-7

Basal iridectomy at 6 o'clock in the aphakic eye treated with silicone oil: prevention of keratopathy and secondary glaucoma. Beekhuis WH, et al. **Br J Ophthalmol** 1987 Mar;71(3):197-200

An evaluation of the anti-inflammatory effect of flurbiprofen after cataract extraction. Sabiston DW, et al. **Br J Ophthalmol** 1987 Jun;71(6):418-21

Double-blind controlled trial to compare anti-inflammatory effects of tolmetin 2%, prednisolone 0.5%, and placebo in post-cataract extraction eyes. Smerdon DL, et al. **Br J Ophthalmol** 1986 Oct;70(10):761-3

The influence of methylprednisolone on post-operative swelling following oral surgery. Holland CS. **Br J Oral Maxillofac Surg** 1987 Aug;25(4):293-9

Hyperalimentation of jaundiced patients on percutaneous transhepatic biliary drainage. Foschi D, et al. **Br J Surg** 1986 Sep;73(9):716-9

Experimental and clinical study of lactulose in obstructive jaundice. Pain JA, et al. **Br J Surg** 1986 Oct;73(10):775-8

Low molecular weight heparin plus dihydroergotamine for prophylaxis of postoperative deep vein thrombosis. Sasahara AA, et al. **Br J Surg** 1986 Sep;73(9):697-700

Chloroquine administration for malaria suppression after abdominal surgery. Schweizer W, et al. **Br J Surg** 1987 Feb;74(2):140-1

Antibiotic prophylaxis in transurethral prostatectomy [letter] Shearman CP. **Br J Surg** 1987 Jul;74(7):653

Reduction of post-operative bleeding after transurethral resection of the prostate by local instillation of fibrin adhesive (Beriplast). Luke M, et al. **Br J Urol** 1986 Dec;58(6):672-5

Does prophylactic thyroxine treatment after operation for non-toxic goitre influence thyroid size? Hegedüs L, et al. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):801-3

Oral acetylsalicylic acid improves patency rates in small-vessel anastomoses. Thibert MR, et al. **Can J Surg** 1986 Nov;29(6):402-4

Recent progress in myocardial protection during cardiac operations. Buckberg GD. **Cardiovasc Clin** 1987;17(3):291-319 (84 ref.)

The hemodynamics of beta-blockade in patients undergoing abdominal aortic aneurysm repair. Pasternack PF, et al. **Circulation** 1987 Sep;76(3 Pt 2):III1-7

The prevention of adhesions after laminectomy. Adverse results of Zenoderm implantations into laminectomy sites in rabbits. Boot DA, et al. **Clin Orthop** 1987 Feb;(215):296-302

General principles in the prevention of surgical complications in orthopedic surgery. Epps CH Jr. **Clin Orthop** 1987 Sep;(222):5-20 (72 ref.)

Hydroxychloroquine sulfate prophylaxis for pulmonary embolism for patients with low-friction arthroplasty. Johnson R, et al. **Clin Orthop** 1986 Oct;(211):151-3

Prevention of complications in orthopedic surgery secondary to nutritional depletion. Smith TK. **Clin Orthop** 1987 Sep;(222):91-7 (31 ref.)

Prevention of complications of partial foot amputations in American Indian diabetics. Dannels EG. **Clin Podiatr Med Surg** 1987 Apr;4(2):503-16

Effective perioperative prophylaxis with a single dose of cefotaxime in transurethral prostatectomy. Nielsen PB, et al. **Clin Ther** 1987;9(2):167-73

Antithrombin III deficiency: clinical relevance and replacement therapy. Gallus AS. **Dev Biol Stand** 1987;67:59-66

Urecholine prophylaxis for urinary retention in anorectal surgery. Bowers FJ, et al. **Dis Colon Rectum** 1987 Jan;30(1):41-2

Abdominal mucosectomy reduces the incidence of soiling and sphincter damage after restorative proctocolectomy and J-pouch. Keighley MR. **Dis Colon Rectum** 1987 May;30(5):386-90

Should dihydroergotamine-heparin be used for prevention of postoperative thromboembolism? Emory CE, et al. **Drug Intell Clin Pharm** 1987 May;21(5):427-31

Endoscopic sphincterotomy as a therapeutic measure in cholangitis and as prophylaxis against recurrent biliary tract stones. Popiela T, et al. **Endoscopy** 1987 Jan;19(1):14-6

Blood donor selection can prevent cytomegalovirus infection after open heart surgery. Gjesdal K, et al. **Eur Heart J** 1987 Apr;8(4):378-81

The need for prevention of post-transfusion cytomegalovirus infection in patients undergoing cardiac surgery [editorial] van Aken WG. **Eur Heart J** 1987 Apr;8(4):382-3

Droperidol, alizapride and metoclopramide in the prevention and treatment of post-operative emetic sequelae. Kauste A, et al. **Eur J Anaesthesiol** 1986 Jan;3(1):1-9

Haemodynamic and respiratory effects of post-operative doxapram and almitrine in patients following pneumonectomy. Laxenaire MC, et al. **Eur J Anaesthesiol** 1986 Jul;3(4):259-71

Controlled trial of a short and a prolonged course with ciprofloxacin in patients undergoing transurethral prostatic surgery. Grabe M, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):11-7

Effect of a strict preoperative hygienic routine on the rate of infections following cesarean section. Hägglund L, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3-4):187-94

Clinical studies of 4 methods of bowel preparation in colorectal surgery. Debo Adeyemi S, et al. **Eur Surg Res** 1986;18(5):331-6

Prevention of heterotopic bone formation in high-risk patients by postoperative irradiation. Evarts CM, et al. **Hip** 1987;:70-83

The Otto Aufranc Award paper. New advances in the prevention, diagnosis, and cost effectiveness of venous thromboembolic disease in patients with total hip replacement. Paiement GD, et al. **Hip** 1987;:94-119 (70 ref.)

Prevention of heterotopic bone formation: clinical experience with diphosphonates. Thomas BJ, et al. **Hip** 1987;:59-69

Comparison of sodium citrate with magnesium trisilicate as pre-anaesthetic antacid in emergency caesarean sections. Wig J, et al. **Indian J Med Res** 1987 Mar;85:306-10

Prophylactic effect of human immunoglobulin against pneumococcal post-splenectomy sepsis in the rat. Offenbartl K, et al. **Infection** 1986 Jul-Aug;14(4):167-9

The prevention of postoperative venous thrombosis. Stamm H. **Int J Clin Pharmacol Ther Toxicol** 1985 Apr;23 Suppl 1:S19–22

Value of a single intraperitoneal dose of heparin in prevention of adhesion formation: an experimental evaluation in rats. Al–Chalabi HA, et al. **Int J Fertil** 1987 Jul–Aug;32(4):332–5

Prophylactic topical cefamandole in radical hysterectomy. Miyazawa K, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):133–8

Slow healing fractures: can they be prevented? (Results of electrical stimulation in fibular osteotomies in rats and in diaphyseal fractures of the tibia in humans). Fontanesi G, et al. **Ital J Orthop Traumatol** 1986 Sep;12(3):371–85

Preventive and therapeutic approach to venous thromboembolic disease and pulmonary embolism—can death from pulmonary embolism be prevented? Kakkar VV, et al. **J Am Coll Cardiol** 1986 Dec;8(6 Suppl B):146B–158B (103 ref.)

The effect of preoperative total parenteral nutrition on surgery outcomes. Grimes CJ, et al. **J Am Diet Assoc** 1987 Sep;87(9):1202–6

Low–dose warfarin versus external pneumatic compression for prophylaxis against venous thromboembolism following total hip replacement. Paiement G, et al. **J Arthroplasty** 1987;2(1):23–6

Localized prevention of postsurgical adhesion formation and reformation with oxidized regenerated cellulose. Shimanuki T, et al. **J Biomed Mater Res** 1987 Feb;21(2):173–85

The prevention of heterotopic ossification in high–risk patients by low–dose radiation therapy after total hip arthroplasty. Ayers DC, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1423–30

Prophylaxis of venous thromboembolic disease following hip and knee surgery [letter] Vatashsky E. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1465

The prevention of deep sepsis in joint replacement [editorial] Apley AG. **J Bone Joint Surg [Br]** 1987 Aug;69(4):517–8

Deep infection in Charnley low–friction arthroplasty. Comparison of plain and gentamicin–loaded cement. Lynch M, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):355–60

Protamine sulphate and heparin rebound following open–heart surgery. Kesteven PJ, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct;27(5):600–3

Results of open heart surgery in patients with impaired renal function as creatinine clearance below 30 ml/min. The effects of pulsatile perfusion. Matsuda H, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct;27(5):595–9

Prevention of spinal cord injury after cross–clamping of the thoracic aorta. Oka Y, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):398–404

Injectable prostaglandin inhibitors prior to cataract surgery [letter] Gills JP. **J Cataract Refract Surg** 1987 Jul; 13(4):459–60

Preoperative preparation for cardiac surgery facilitates recovery, reduces psychological distress, and reduces the incidence of acute postoperative hypertension. Anderson EA. **J Consult Clin Psychol** 1987 Aug;55(4):513–20

Preoperative evaluation: the assessment and management of surgical risk. Kroenke K. **J Gen Intern Med** 1987 Jul–Aug; 2(4):257–69 (99 ref.)

Management of pronation deformity in metacarpophalangeal joint implant arthroplasty. DeVore GL, et al. **J Hand Surg [Am]** 1986 Nov;11(6):859–61

Reduction of infectious complications following heart transplantation with triple–drug immunotherapy. Andreone PA, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):13–9

Effectiveness of minimal dosage cyclosporine in limiting toxicity and rejection. Spratt P, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):8–12

A comparison of single–dose and multi–dose metronidazole prophylaxis for hysterectomy. Haverkorn MJ. **J Hosp Infect** 1987 May;9(3):249–54

Randomized clinical trial of intra–operative antimicrobial prophylaxis of infection after neurosurgical procedures. Shapiro M, et al. **J Hosp Infect** 1986 Nov;8(3):283–95

A survey, in Scotland, of measures to prevent infection following orthopaedic surgery. Wilson NI. **J Hosp Infect** 1987 May;9(3):235–42

Distinction by radioisotope technique of a subgroup with increased thrombophilic potential among patients submitted to major abdominal surgery. Rasmussen A, et al. **J Med Clin Exp Theor** 1986;17(5–6):357–64

Systemic administration of glycosaminoglycan polysulphate (arteparon) provides partial protection of articular cartilage from damage produced by meniscectomy in the canine. Hannan N, et al. **J Orthop Res** 1987;5(1):47–59

Complications of posterior sagittal anorectoplasty [letter] Porras–Ramírez G. **J Pediatr Surg** 1987 May;22(5):478

Towards no incisional hernias: lateral paramedian versus midline incisions. Cox PJ, et al. **J R Soc Med** 1986 Dec; 79(12):711–2

Orally and parenterally administered ibuprofen for postoperative adhesion prevention. De Leon FD, et al. **J Reprod Med** 1986 Nov;31(11):1014–6

Naloxone in renal ischemia: a functional and microanatomical study. Elkadi HK, et al. **J Surg Res** 1987 Jun;42(6):675–92

Protection from venous air embolism with fluorocarbon emulsion FC–43. Spiess BD, et al. **J Surg Res** 1986 Oct; 41(4):439–44

Pericardial closure [letter] Bahn CH. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):317–8

Comparative study of warfarin versus antiplatelet therapy in patients with a St. Jude Medical valve in the aortic position. Hartz RS, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):684–90

Esophagogastric anastomoses: the value of fibrin glue in preventing leakage. McCarthy PM, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):234–9

Abdominal and right thoracotomy approach as standard procedure for esophagogastrectomy with low morbidity. Mitchell RL. **J Thorac Cardiovasc Surg** 1987 Feb; 93(2):205–11

Antibiotic prophylaxis of urinary tract infection after transurethral resection of the prostate: a randomized study. Charton M, et al. **J Urol** 1987 Jul;138(1):87–9

Prevention of post–prostatectomy vesical neck contracture by prophylactic vesical neck incision. Kulb TB, et al. **J Urol** 1987 Feb;137(2):230–1

"Turban" scrotal dressing.Manson AL, et al. **J Urol** 1987 Feb;137(2):238–9

Prostate shape, external striated urethral sphincter and radical prostatectomy: the apical dissection. Myers RP, et al. **J Urol** 1987 Sep;138(3):543–50

Prevention of prolonged voiding problems after unexpected postoperative urinary retention: comparison of phenoxybenzamine and carbachol. Tammela T. **J Urol** 1986 Dec;136(6):1254–7

Dipyridamole thallium 201 scintigraphy to detect coronary artery disease before abdominal aortic surgery. Cutler BS, et al. **J Vasc Surg** 1987 Jan;5(1):91–100

Platelet antagonists eliminate thromboembolic complications of small–diameter arterial prostheses. Nordestgaard AG, et al. **J Vasc Surg** 1987 Jan;5(1):110–7

Dipyridamole–thallium scanning in patients undergoing vascular surgery. Optimizing preoperative evaluation of cardiac risk. Eagle KA, et al. **JAMA** 1987 Apr 24; 257(16):2185–9

Conduction disturbance and tachyarrhythmia in postoperative ventricular septal defect and tetralogy of Fallot. Furuse A, et al. **Jpn Circ J** 1986 Sep;50(9):850–4

Prophylactic role for antibodies to Escherichia coli J5 [letter] Gould FK, et al. **Lancet** 1987 Jan 24;1(8526):215

Preserved hearing following excision of acoustic tumours [letter] Mann KS. **Lancet** 1987 Jul 18;2(8551):163–4

Prevention of postoperative deep–vein thrombosis [letter] Plumley PF. **Lancet** 1986 Sep 27;2(8509):750

Prophylaxis for deep vein thrombosis and pulmonary embolism in the surgical patient. Merli GJ, et al. **Med Clin North Am** 1987 May;71(3):377–97 (97 ref.)

The prevention of postoperative thromboembolic complications with small heparin doses. Păunescu V, et al. **Med Interne** 1986 Jul–Sep;24(3):191–6

Effect of dextran 70 and saline on thrombus formation following arteriotomy and intimectomy in small arteries. Wieslander JB, et al. **Microsurgery** 1986;7(4):168–77

Antimicrobial prophylaxis in surgery [letter] **N Engl J Med** 1987 Apr 23;316(17):1089–90

A randomized controlled trial of a low–molecular–weight heparin (enoxaparin) to prevent deep–vein thrombosis in patients undergoing elective hip surgery. Turpie AG, et al. **N Engl J Med** 1986 Oct 9;315(15):925–9

The effect of the prophylactic use of absorbable and non–absorbable antibiotics on the incidence of urinary tract infections in recipients of cadaveric kidney transplants. Tegzess AM, et al. **Neth J Med** 1986;29(11):352–6

Epilepsy after operation for aneurysms. Sbeih I, et al. **Neurosurgery** 1986 Nov;19(5):784–8

Selected use of midline episiotomy: effect on perineal trauma. Thorp JM Jr, et al. **Obstet Gynecol** 1987 Aug;70(2):260–2

Comparison of the anti–inflammatory activity and effect on intraocular pressure of fluoromethalone, clobetasone butyrate and betamethasone phosphate eye drops. Kadom AH, et al. **Ophthalmic Physiol Opt** 1986;6(3):313–5

A randomized, controlled comparison of anterior and posterior periocular injection of antibiotic in the prevention of postoperative endophthalmitis. Christy NE, et al. **Ophthalmic Surg** 1986 Nov;17(11):715–8

Evaluation of an absorbable muscle sleeve to limit postoperative adhesions in strabismus surgery. Sondhi N, et al. **Ophthalmic Surg** 1987 Jun;18(6):441–3

Heparin prophylaxis for intraocular fibrin. Johnson RN, et al. **Ophthalmology** 1987 Jun;94(6):597–601

Infectious flare–ups and serious sequelae following endodontic treatment: a prospective randomized trial on efficacy of antibiotic prophylaxis in cases of asymptomatic pulpal–periapical lesions. Morse DR, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):96–109

Hearing preservation after acoustic neuroma surgery with intraoperative direct eighth cranial nerve monitoring: Part II. A classification of results. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):285–91

Failure of single–dose intraventricular vancomycin for cerebrospinal fluid shunt surgery prophylaxis. Younger JJ, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):212–3

Review of the Multicenter Trial Committee report: a prospective, randomized study on the prophylaxis of postoperative deep venous thrombosis. Comerota AJ. **Pharmacotherapy** 1986 Jul–Aug;6(4 Pt 2):18S–22S

Post–prostatectomy auto–irrigation with furosemide in the tropics. Fahal AH, et al. **Pharmatherapeutica** 1986; 4(9):590–4

Beneficial effects of ibuprofen on experimental microvascular free flaps: pharmacologic alteration of the no–reflow phenomenon. Douglas B, et al. **Plast Reconstr Surg** 1987 Mar;79(3):366–74

The use of prostacyclin analogue–containing suture for the prevention of postoperative venous thrombosis in the rat. Eddy CA, et al. **Plast Reconstr Surg** 1986 Oct;78(4):504–12

Experience with tarsal suspension as a factor in lower lid blepharoplasty. Lisman RD, et al. **Plast Reconstr Surg** 1987 Jun;79(6):897–905

The effect of corticosteroids on postoperative edema. Nordström RE, et al. **Plast Reconstr Surg** 1987 Jul; 80(1):85–7

Expansion exercises: modifying contracture of the augmented breast. Riddle LB. **Res Nurs Health** 1986 Dec;9(4):341–5

Effect of prophylactic administration of sulbactam/ampicillin on the rate of postoperative endometritis after first–trimester abortion. Krohn KT. **Rev Infect Dis** 1986 Nov–Dec;8 Suppl 5:S576–8

Comparative costs of antibiotic regimens using multiple and single daily intravenous injections in surgical wards. Arbuckle DD, et al. **S Afr Med J** 1987 Jun 20;Suppl 2:20–3

Ceftriaxone and metronidazole as single–dose prophylaxis in colorectal surgery. Burdon DW, et al. **S Afr Med J** 1987 Jun 20;Suppl 2:15–8

Neuroparalytic keratitis and the effect of cervical sympathectomy following operative procedures for trigeminal neuralgia. Adams GG, et al. **Scott Med J** 1987 Jun;32(3):86–8

Avoiding late complications due to extensive laminectomies [letter] Forni C, et al. **Spine** 1986 Oct;11(8):853

An experimental study on prevention of postlaminectomy scar formation by the use of new materials. Mikawa Y, et al. **Spine** 1986 Oct;11(8):843–6

Prevention of early restenosis and thrombosis–occlusion after carotid endarterectomy by saphenous vein patch angioplasty. Archie JP Jr. **Stroke** 1986 Sep–Oct;17(5):901–5

Prophylaxis of postoperative venous thromboembolism. Bergqvist D. **Surg Annu** 1987;19:1–22 (158 ref.)

A comparison of piperacillin, cephalothin and cefoxitin in the prevention of postoperative infections in patients undergoing vaginal hysterectomy. Benigno BB, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):421–7

A comparison of cefotaxime versus cefamandole in prophylaxis for surgical treatment of the biliary tract. Wilson SE, et al. **Surg Gynecol Obstet** 1987 Mar; 164(3):207–12

Postoperative mechanical ventilation preventing the occurrence of pleural effusion after hepatectomy. Matsumata T, et al. **Surgery** 1987 Sep;102(3):493–7

Proximal gastric vagotomy and mucosal antrectomy: effect on gastric acid secretion, plasma gastrin, and experimental ulcerogenesis in the dog. Richter HM 3d, et al. **Surgery** 1987 May;101(5):623–31

Comparative study of calcification in the T6–treated and standard Hancock–I porcine xenografts: experimental study in weanling sheep. Gallo I, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):310–5

"Comparative study of calcification in the T6–treated and standard Hancock–I porcine xenografts: experimental study in weanling sheep" [letter] Jones M, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):189–90

Influence of the calcium antagonist diltiazem on delayed graft function in cadaveric kidney transplantation: results of a 6–month follow–up. Wagner K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1353–7

Blood loss in prostatectomy. Comparison between injected and noninjected prostates. Muzafer MH. **Urology** 1987 Mar; 29(3):262–4

Role of urodynamics in management of urethral diverticulum in females. Reid RE, et al. **Urology** 1986 Oct;28(4):342–6

Preserving renal function in surgical patients. Whiteside–Yim C, et al. **West J Med** 1987 Mar;146(3):316–21

[How to avoid the occurrence of perianal fistulae] Khadzhiev D. **Khirurgiia (Sofiia)** 1987;40(1):57–9 **(Bul)**

[Pulmonary embolism and venous thrombosis. Analysis of the present state of diagnosis and prevention in Czechoslovakia] Widimský J, et al. **Cas Lek Cesk** 1987 May 8;126(19):590–3 (Eng. Abstr.) **(Cze)**

[The postoperative course of atoxic struma with and without thyroxine to reduce the risk of relapse] Geerdsen JP. **Nord Med** 1986;101(11):304–5 **(Dan)**

[Positive expiratory pressure (PEP) used preventively in thoracic surgery] Frøslund L, et al. **Ugeskr Laeger** 1986 Dec 15;148(51):3453–6 (Eng. Abstr.) **(Dan)**

[The effect of doxapram after thoracotomy] Olsen KH, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2551–4 (Eng. Abstr.) **(Dan)**

[Prevention of infections with antibiotics in leg amputations for ischemia] Sonne–Holm S, et al. **Ugeskr Laeger** 1987 Feb 9;149(7):436–8 (Eng. Abstr.) **(Dan)**

[Antimicrobial prophylaxis in surgical interventions (published erratum appears in Ned Tijdschr Geneeskd 1987 May 30;131(22):976)] Michel MF. **Ned Tijdschr Geneeskd** 1987 May 16;131(20):843–7 **(Dut)**

[Heterotopic ossification in hip arthroplasties] Vincent A, et al. **Acta Orthop Belg** 1986 May–Jun;52(3):308–17 (Eng. Abstr.) **(Fre)**

[Prevention of infectious complications in elective colonic surgery. Results of experience with 592 cases] Detry R, et al. **Ann Chir** 1986 Jun;40(5):305–9 (Eng. Abstr.) **(Fre)**

[Prophylactic antibiotherapy in surgery] Bollaert PE, et al. **Ann Fr Anesth Reanim** 1986;5(5):502–17 (174 ref.) **(Fre)**

[Prevention of hypertensive attacks after carotid surgery. The value of nifedipine and diltiazem] Rétamal O, et al.

Ann Fr Anesth Reanim 1986;5(3):278–86 (Eng. Abstr.) (Fre)
[Preoperative assessment of respiratory risk] Sadoul P, et al. **Ann Fr Anesth Reanim** 1986;5(3):330–40 (50 ref.) (Fre)
[Prevention of deep venous thrombosis and pulmonary embolism in general surgery] Verstraete M. **Ann Med Interne (Paris)** 1986;137(6):507–9 (Eng. Abstr.) (Fre)
[Action of ranitidine on changes in gastric pH during the perioperative period in cardiac surgery] Pointaire P, et al. **Can Anesthesiol** 1986 Dec;34(8):681–6 (Eng. Abstr.) (Fre)
[Consumption coagulopathies following peritoneojugular bypass. Prevention by a heparin–antithrombin III combination] Peyrin JC, et al. **J Chir (Paris)** 1986 Jun–Jul; 123(6–7):417–23 (Eng. Abstr.) (Fre)
[Prevention of the risk of infection and thromboembolism following cesarean section. 2. Results of a multicenter study] Boulanger JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):655–9 (Eng. Abstr.) (Fre)
[Prophylactic antibiotherapy in biliary surgery, cefazolin versus cefoperazone. Randomized comparative open study in a population at risk for infection] Guyot L, et al. **Pathol Biol (Paris)** 1987 May;35(5):661–4 (Eng. Abstr.) (Fre)
[Comparative study of cefoperazone and cotrimoxazole in kidney stone surgery via percutaneous approach] Tauzin–Fin P, et al. **Pathol Biol (Paris)** 1986 May; 34(5):498–501 (Eng. Abstr.) (Fre)
[Short-term antibiotic prophylaxis in colorectal surgery: cefoxitin versus piperacillin. A double-blind randomized study, 60 cases] Armengaud F, et al. **Presse Med** 1986 Dec 20;15(46):2351–2 (Eng. Abstr.) (Fre)
[The use of indomethacin in the prevention of peri-articular ossification in the surgical treatment of congenital hip dislocation in children] Karagiozi P. **Rev Chir Orthop** 1986; 72(6):461–4 (Eng. Abstr.) (Fre)
[Use of antibiotics for the prevention of bacterial pneumonia in surgical intensive care units] Baumgartner JD, et al. **Schweiz Med Wochenschr** 1987 May 9;117(19):707–11 (Eng. Abstr.) (Fre)
[Postoperative hyperthermic syndrome with a questionable relationship to malignant hyperthermia and the need for elucidating susceptibility] Plötz J. **Anaesthesist** 1986 Dec; 35(12):751–4 (Eng. Abstr.) (Ger)
[Perioperative prevention of thromboembolism in gynecology] Schreiner WE. **Arch Gynecol** 1986; 239(3–4):137–43 (Eng. Abstr.) (Ger)
[Sphincter-preserving interventions in rectal tumors. Transabdominal rectum resection] Gall FP. **Chirurg** 1986 Dec;57(12):765–72 (Ger)
[Cancer preventive surgical indications in inflammatory intestinal diseases] Herfarth C, et al. **Chirurg** 1987 Apr; 58(4):221–7 (Ger)
[Effect of a modified struma resection technic on the rate of lesions of the recurrent laryngeal nerve] Rieger R, et al. **Chirurg** 1987 Apr;58(4):255–60 (Eng. Abstr.) (Ger)
[Sphincter-preserving interventions in rectal tumors. Transanal excision and anastomosis technic] Schiessel R, et al. **Chirurg** 1986 Dec;57(12):773–8 (Ger)
[Sphincter-preserving interventions in rectal tumors. The posterior approach to the rectum] Schildberg FW, et al. **Chirurg** 1986 Dec;57(12):779–91 (Ger)
[Measures for reducing complications in anus praeternaturalis repair] Schmidt CD, et al. **Chirurg** 1987 Apr;58(4):252–4 (Eng. Abstr.) (Ger)
[Significance of HLA typing in corneal transplants with unfavorable prognosis in cyclosporin A therapy] Hoffmann F, et al. **Fortschr Ophthalmol** 1986;83(5):542–6 (Eng. Abstr.) (Ger)
[Alternative therapy to the YAG laser in the formation of secondary proliferative cataracts] Kammann J, et al. **Fortschr Ophthalmol** 1986;83(4):453–5 (Eng. Abstr.) (Ger)
[Antimicrobial action of rolitetracycline in gelatin sponge packs (Marbagelan) in tympanoplasty] Mertens J, et al. **HNO** 1987 Jun;35(6):262–4 (Eng. Abstr.) (Ger)
[Prevention of pulmonary embolism using a vena cava filter and cava clip] Günther HU, et al. **Langenbecks Arch Chir** 1986;369:497–500 (Eng. Abstr.) (Ger)
[Prevention of thromboembolism with heparin–DHE—safety and trends] Häring R, et al. **Langenbecks Arch Chir** 1986; 369:479–83 (Eng. Abstr.) (Ger)
[Prevention of thromboembolism with low-dose heparin] Kussmann J. **Langenbecks Arch Chir** 1986;369:473–8 (Eng. Abstr.) (Ger)
[Principles of drug prevention of thrombosis] Lasch HG. **Langenbecks Arch Chir** 1986;369:451–7 (Eng. Abstr.) (Ger)
[Indications for the implantation of a vena cava filter] Müller–Wiefel H. **Langenbecks Arch Chir** 1986;369:389–92 (Eng. Abstr.) (Ger)
[Intermittent mechanical massage for the prevention of thromboembolism] Ott GH, et al. **Langenbecks Arch Chir** 1986;369:467–71 (Eng. Abstr.) (Ger)
[Mastopexy with few scars] Ramatschi P, et al. **Langenbecks Arch Chir** 1986;369:295–6 (Eng. Abstr.) (Ger)
[Principles of physical prevention of thrombosis] Theiss W, et al. **Langenbecks Arch Chir** 1986;369:459–66 (Eng. Abstr.) (Ger)
[Indications and results of caval filter operation using the Kimray–Greenfield filter] Thetter O, et al. **Langenbecks Arch Chir** 1986;369:493–6 (Eng. Abstr.) (Ger)
[Value of transvenous caval occlusion surgery in view of the complications] Urbanyi B, et al. **Langenbecks Arch Chir** 1986;369:501–5 (Eng. Abstr.) (Ger)
[Edema prevention with aprotinin in elective interventions in the area of the jaw and face (preliminary results)] Dumbach J. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct; 65(10):545–8 (Eng. Abstr.) (Ger)
[Efficacy and tolerance of the low molecular weight heparin fraction CY 216 in preventing postoperative venous thromboembolism] Kakkar VV. **Med Klin [Suppl]** 1986 Oct; 3:13–6 (Eng. Abstr.) (Ger)
[Significance of deep venous thrombosis in surgical patients] Marshall M. **Med Klin [Suppl]** 1986 Oct;3:11–3 (Eng. Abstr.) (Ger)
[Prevention of periarticular calcification using postoperative irradiation of the hip] Wandl–Hainberger I, et al. **Rontgenpraxis** 1987 Mar;40(3):99–103 (Ger)
[The heart surgery patient] Hoffmann A, et al. **Schweiz Rundsch Med Prax** 1987 Apr 14;76(16):417–9 (Ger)
[Initial experiences with the Camey bladder] Lipsky H. **Urologe [A]** 1987 Jul;26(4):210–5 (Eng. Abstr.) (Ger)
[Ileocystodynamics: urodynamic studies of the continent ileal bladder] Perssoa C, et al. **Urologe [A]** 1986 Sep;25(5):259–66 (Eng. Abstr.) (Ger)
[The S-bladder—a complete continent antireflux functional replacement of the bladder sphincter muscle function] Schreiter F. **Urologe [A]** 1987 Jul;26(4):201–9 (Eng. Abstr.) (Ger)
[Reimplantation of the inferior mesenteric artery—a sensible measure in aneurysm surgery?] Kristen R, et al. **Vasa** 1987; 16(2):168–72 (Eng. Abstr.) (Ger)
[Prevention of stress ulcers with cimetidine and ranitidine. Comparative studies within the scope of cardiosurgical interventions] Duma S. **Wien Med Wochenschr** 1986 Sep 30;136(18):467–72 (Eng. Abstr.) (Ger)
[Endoscopic treatment of bronchial stump insufficiency with fibrin adhesive in animal experiments] Waclawiczek HW, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(5):305–8 (Eng. Abstr.) (Ger)
[Significance of drug prevention of thromboembolism in urologic risk patients] Schulz B, et al. **Z Urol Nephrol** 1987 Jan;80(1):37–42 (Eng. Abstr.) (Ger)
[Heparin and the prevention of thromboembolism in surgery] Hamelmann H, et al. **Zentralbl Chir** 1986;111(21):1289–95 (Eng. Abstr.) (Ger)
[Arterial vasospasm as a complication of the prevention of thromboembolism with heparin–dihydroergotamine and its treatment] Schott G, et al. **Zentralbl Chir** 1986; 111(21):1354–7 (Ger)
[Effectiveness and side effects of low-molecular weight heparin–dihydroergotamine in preventing thromboembolism in abdominal surgery] Voigt J, et al. **Zentralbl Chir** 1986;111(21):1269–305 (Eng. Abstr.) (Ger)
[Bacterial infections and their treatment in radical oro–pharyngo–laryngeal surgery] Ferri T, et al. **Acta Otorhinolaryngol Ital** 1987 Jan–Feb;7(1):53–65 (Eng. Abstr.) (Ita)
[The problem of gastroesophageal reflux in the surgical therapy of achalasia of the esophagus] Pomata M, et al. **Ann Ital Chir** 1986;58(2–4):145–58 (Eng. Abstr.) (Ita)
[Heart transplant patients: outlines for the prevention, diagnosis and therapy of rejection, infections and other complications] Permutti B, et al. **Cardiologia** 1986 Nov; 31(11):1049–58 (Ita)
[Nutritional support in the surgery of hip fractures in the elderly. Experience and results] Giaccaglia G, et al. **Minerva Anestesiol** 1986 Nov;52(11):397–400 (Eng. Abstr.) (Ita)
[Supportive parenteral nutrition in surgical patients at risk. Prognostic findings in 80 cases] Borioni R, et al. **Minerva Chir** 1987 Mar 15;42(5):395–9 (Eng. Abstr.) (Ita)
[Technic of banding the aortic anastomosis] Gullà P, et al. **Minerva Chir** 1987 Apr 15;42(7):617–9 (Eng. Abstr.) (Ita)
[Use of cefoperazone in peroperative prophylaxis in hepato-biliary surgery. Pharmacokinetic and clinical evaluations] Romano G, et al. **Minerva Chir** 1986 Dec 31; 41(23–24):2045–9 (Eng. Abstr.) (Ita)
[Short-term antimicrobial drug prevention in gastric surgery at high risk for infectious complications] Talpacci A, et al. **Minerva Chir** 1987 May 31;42(10):895–9 (Eng. Abstr.) (Ita)
[Long-term antibiotic prophylaxis in cesarean section] Bonaccorsi G, et al. **Minerva Ginecol** 1987 May;39(5):371–6 (Eng. Abstr.) (Ita)
[Clinical evaluation of aztreonam in the prevention and therapy of infections in patients subjected to neurosurgical intervention] Donati PA, et al. **Minerva Med** 1987 Aug 31;78(16):1227–30 (Eng. Abstr.) (Ita)
[Effects of preoperative exercise training on pulmonary function in elderly patients] Takeuchi Y. **Fukuoka Igaku Zasshi** 1987 Mar;78(3):105–20 (Eng. Abstr.) (Jpn)
[A study of serum levels of cefoperazone sodium and its movement to myocardial tissue] Abe T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2803–10 (Eng. Abstr.) (Jpn)
[A study of cephem antibiotics, cefazolin and ceftizoxime, for prophylaxis against infections following obstetric and gynecologic procedures] Chimura T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2761–6 (Eng. Abstr.) (Jpn)
[The effect of cefotiam in the prophylaxis of postoperative infections in common gynecological surgeries] Chimura T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2721–5 (Eng. Abstr.) (Jpn)
[Prophylactic effects of cefmenoxime against postoperative infections after thoracotomy. Studies of cefmenoxime transfer from serum to pleural fluid and of clinical effects of cefmenoxime] Matsuura Y, et al. **Jpn J Antibiot** 1987 Feb;40(2):295–302 (Eng. Abstr.) (Jpn)
[Prevention of postoperative pulmonary complications with an epidural block] Ashizawa N. **Kokyu To Junkan** 1986 Aug;34(8):851–7 (26 ref.) (Jpn)
[Inhibitory effect of ticlopidine on platelet aggregation in open heart surgery] Shiguma S, et al. **Kyobu Geka** 1987 May;40(6):466–9 (Eng. Abstr.) (Jpn)
[Experimental and clinical studies on the effect of reticuloendothelial system (RES) potentiator in the depressed RES function in cirrhotics] Kobayashi S. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):715–26 (Eng. Abstr.) (Jpn)
[Experimental study on efficacy of cimetidine and 16,16-dm PGE2 to liver regeneration in prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Matsui S, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1303–12 (Eng. Abstr.) (Jpn)
[Efficacy of vagotomy on liver regeneration in the prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Urakawa T, et al. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):577–83 (Eng. Abstr.) (Jpn)
[New additional operation in the prevention of gastric stasis after selective gastric vagotomy with antrectomy] Shiratori T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1986 Dec; 22(6):503–8 (Eng. Abstr.) (Jpn)
[Experimental study of the prevention of renal dysfunction following open heart surgery; application of the plasmapheresis technic] Niino S. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):26–34 (Eng. Abstr.) (Jpn)
[Prophylactic administration of antimicrobiological agents and reflections thereon—prevention of postoperative infections. 1. Abdominal surgery] Nakayama I, et al. **Nippon Rinsho** 1986 Apr;44(4):913–8 (13 ref.) (Jpn)
[Prophylactic administration of antimicrobiological agents and reflections thereon—prevention of postoperative infections. 2. Obstetrics and gynecology] Takada M, et al. **Nippon Rinsho** 1986 Apr;44(4):919–24 (10 ref.) (Jpn)
[Effects of naproxen on the postoperative course. A study of the effects of naproxen on the immediate postoperative period in the surgical treatment of crural fractures] Strømsøe K, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28; 107(6):548–50 (Nor)
[Thromboembolic complications after endoprosthesis of the hip joint] Tuszyński W, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(4):275–8 (Eng. Abstr.) (Pol)
[Use of nandrolone in the prevention of postoperative deep vein thrombosis of the lower extremities] Psuja P, et al. **Pol Tyg Lek** 1986 Dec 15;41(50):1589–92 (Eng. Abstr.) (Pol)
[Complications of gastric and duodenal ulcer in patients operated on before and after administration of altramet] Kleba T. **Wiad Lek** 1986 Jul 1;39(13):870–4 (Eng. Abstr.) (Pol)
[Evaluation of the indicators of the hemostasis system during heparin use in the prevention of postoperative thrombotic complications in gynecologic patients] Savchenko VF, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):34–6 (Eng. Abstr.) (Rus)
[Prevention of the postoperative and postnarcotic suppression of humoral immunity] Spas VV, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):33–5 (Eng. Abstr.) (Rus)
[Antibiotic prophylaxis in surgery] Treskina OS, et al. **Antibiot Med Biotekhnol** 1986 Dec;31(12):924–36 (118 ref.) (Rus)
[Effect of the method of covering the bronchial stump on the outcome of surgical treatment] Grigorian VA, et al. **Grudn Khir** 1987 Mar–Apr;(2):59–63 (Eng. Abstr.) (Rus)
[Results and prospects of improving services for patients with acute surgical diseases of the abdominal organs] Sazonov AM, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):5–9 (Eng. Abstr.) (Rus)
[Implanted electrodes in the prevention and treatment of postoperative paralytic ileus] Stupin VA, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):100–2 (Rus)
[Prevention and treatment of post-vagotomy complications] Belyl IS, et al. **Klin Khir** 1986;(8):72–3 (Rus)
[Somatostatin in the prevention and treatment of complications following pancreatic operations] Danilov MV, et al. **Klin Khir** 1986;(11):14–6 (Eng. Abstr.) (Rus)
[Objective selection of a surgical method in duodenal ulcer] Gusak VK, et al. **Klin Khir** 1986;(8):41–3 (Eng. Abstr.) (Rus)

[Surgical treatment of ulcerogenic pyloroduodenal stenosis] Kharaberiush VA, et al. **Klin Khir** 1986;(8):45–7 (Eng. Abstr.) **(Rus)**

[Planned pancreatic duct occlusion as prophylaxis and treatment in postoperative pancreatitis] Shalimov SA, et al. **Klin Khir** 1986;(11):25–7 (Eng. Abstr.) **(Rus)**

[Principles of mass screening of patients with ileostomy] Nikitin AM, et al. **Klin Med (Mosk)** 1987 May;65(5):116–20 (Eng. Abstr.) **(Rus)**

[A method of reinforcing the wall of the filtrable cushion in fistulizing antiglaucoma interventions] Balashova TV, et al. **Oftalmol Zh** 1986;(4):226–9 (Eng. Abstr.) **(Rus)**

[Provision for the safety of operations for funnel chest deformity] Solov'ev AE, et al. **Ortop Travmatol Protez** 1986 Oct;(10):61–5 **(Rus)**

[Prevention of wound complications and recurrences in large ventral hernias] Baulin NA, et al. **Vestn Khir** 1986 Sep; 137(9):46–8 (Eng. Abstr.) **(Rus)**

[Means for decreasing mortality and complications in strangulated hernia] Butsenko VN, et al. **Vestn Khir** 1987 Jan;138(1):37–40 (Eng. Abstr.) **(Rus)**

[Prevention of errors and complications of organ-sparing operatioes in the treatment of duodenal ulcer] Chernyshev VN, et al. **Vestn Khir** 1986 Aug;137(8):97–101 (Eng. Abstr.) **(Rus)**

[Possibilities of correcting the rheological properties of blood in surgery] Golovin GV, et al. **Vestn Khir** 1986 Aug; 137(8):141–5 (54 ref.) **(Rus)**

[Potentials of transosseous osteosynthesis in preventing posttraumatic osteomyelitis in open fractures] Ilizarov GA, et al. **Vestn Khir** 1987 Jan;138(1):95–9 (Eng. Abstr.) **(Rus)**

[Use of UV autologous blood irradiation for preventing the occurrence of tracheobronchitis during tracheostomy] Isaev IuV, et al. **Vestn Khir** 1987 Apr;138(4):116–8 (Eng. Abstr.) **(Rus)**

[Value of glue aerostasis in operative pulmonology] Levashev IuN, et al. **Vestn Khir** 1986 Sep;137(9):137–8 **(Rus)**

[Means for decreasing the incidence of postoperative tubular necrosis in kidney transplants] Rozental' RL, et al. **Vestn Khir** 1987 Apr;138(4):33–6 (Eng. Abstr.) **(Rus)**

[Prevention of infectious endocarditis in surgical diseases] Shikhverdiev NI, et al. **Vestn Khir** 1986 Jul;137(7):72–6 (Eng. Abstr.) **(Rus)**

[Evaluation of different methods for preventing ciliochoroidal detachments after trabeculectomy] Alekseev BN, et al. **Vestn Oftalmol** 1987 Mar–Apr;103(2):12–4 (Eng. Abstr.) **(Rus)**

[Prevention of postoperative complications following combination therapy of malignant neoplasms in the maxillofacial area] Alekseeva AN. **Vopr Onkol** 1987; 33(8):103–5 (Eng. Abstr.) **(Rus)**

[A complex vaccine in the prevention of staphylococcal, Pseudomonas aeruginosa and Proteus infections in esophageal cancer patients] Kochetkova VA, et al. **Vopr Onkol** 1987;33(2):58–63 (Eng. Abstr.) **(Rus)**

[Surgical method of preventing urination disorders in women following operations for rectal cancer] Mel'nikov RA, et al. **Vopr Onkol** 1987;33(6):81–3 (Eng. Abstr.) **(Rus)**

[Exclusion of the duodenum for the purpose of preventing duodenal fistula] Colović R. **Srp Arh Celok Lek** 1986 Oct; 114(10):969–73 (Eng. Abstr.) **(Scc)**

[Resolutive treatment of bronchial aspirations in esophageal surgery] Gisbert J, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):345–50 (Eng. Abstr.) **(Spa)**

[Prevention of thromboembolic disease in urologic surgery with low-dose heparin] Lancina Martín JA, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):591–7 (Eng. Abstr.) **(Spa)**

[Prophylactic use of antibiotics in surgical practice] Wolff M. **Rev Med Chil** 1986 Dec;114(12):1175–85 (Eng. Abstr.) **(Spa)**

[Iatrogenic biliary tract injuries can be prevented if surgeons are more informed about risks] Andrén-Sandberg A, et al. **Lakartidningen** 1987 Jan 14;84(3):113, 115–6 **(Swe)**

[Prevention and treatment with antibiotics is valuable in certain acute cesarean sections] Ekerydh-Andalen A, et al. **Lakartidningen** 1987 Apr 1;84(14):1159–60 **(Swe)**

[Transmyringeal ventilation tubes: postoperative restrictions and early complications] Konradsson K, et al. **Lakartidningen** 1986 Oct 15;83(42):3514–7 (Eng. Abstr.) **(Swe)**

PSYCHOLOGY

Mirror speaking after neurosurgery. A case history. Cocchi R, et al. **Acta Neurol Belg** 1986 Aug–Oct;86(4):224–32

Intravenous diazepam for psychiatric reactions following open-heart surgery. McClish A, et al. **Can Anaesth Soc J** 1968 Jan;15(1):63–79

Recognition, management, and prevention of neuropsychological dysfunction after operation. Seibert CP. **Int Anesthesiol Clin** 1986 Winter;24(4):39–58 (56 ref.)

Transplant failure does not compromise quality of life in end-stage renal disease. Binik YM, et al. **Int J Psychiatry Med** 1986–87;16(3):281–92

Neuropsychological deficits and real-world dysfunction in cerebral revascularization candidates. Baird AD, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):407–22

Single-case study of left cerebral hemispherectomy: development in the first five years of life. Byrne JM, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):423–34

Noise-induced stress in hospital patients: coping and nonauditory health outcomes. Topf M. **J Human Stress** 1985 Fall;11(3):125–34

Effects of facial paralysis after acoustic neuroma surgery in Norway. Lohne V, et al. **J Neurosci Nurs** 1987 Jun; 19(3):123–31

Psychiatric morbidity following mastectomy: preoperative predictors and types of illness. Dean C. **J Psychosom Res** 1987;31(3):385–92

Psychological effects of stomas—I. Psychosocial morbidity one year after surgery. Thomas C, et al. **J Psychosom Res** 1987;31(3):311–6

Psychological effects of stomas—II. Factors influencing outcome. Thomas C, et al. **J Psychosom Res** 1987; 31(3):317–23

A new kidney, a new life. **Lancet** 1987 Jun 27;1(8548):1481–2

Confrontation naming in parkinsonian patients: post-operative anomia revisited. Gamsu CV. **Neuropsychologia** 1986;24(5):727–9

[Preventive antibiotics in cardiac surgery: cefazolin versus cefamandole] Gérard JL, et al. **Can Anesthesiol** 1986 Nov; 34(7):565–70 (Eng. Abstr.) **(Fre)**

[Investigation of cases exhibiting "ICU syndrome" after open heart surgery] Kidani M, et al. **Kyobu Geka** 1987 May; 40(6):474–7 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Symmetrical bilateral low-density lesions in the areas of supply by Heubner's arteries after aneurysm surgery. Fukamachi A, et al. **Acta Neurochir (Wien)** 1987; 84(3–4):89–92

Pseudobursae: a useful finding in patients with painful hip arthroplasty. Berquist TH, et al. **AJR** 1987 Jan;148(1):103–6

Rebound thymic hyperplasia after treatment of Cushing's syndrome. Doppman JL, et al. **AJR** 1986 Dec; 147(6):1145–7

CT evaluation of gracilis myocutaneous vaginal reconstruction after pelvic exenteration. Epstein DM, et al. **AJR** 1987 Jun;148(6):1143–6

CT diagnosis of occult incisional hernias. Ghahremani GG, et al. **AJR** 1987 Jan;148(1):139–42

Unilateral pulmonary edema due to postlobectomy pulmonary vein thrombosis. Gyves-Ray KM, et al. **AJR** 1987 Jun;148(6):1079–80

Angiographic management of upper gastrointestinal hemorrhage [clinical conference] Kerlan RK Jr, et al. **AJR** 1986 Dec;147(6):1185–8

Liver allograft transplantation: postoperative CT findings. Letourneau JG, et al. **AJR** 1987 Jun;148(6):1099–103

Control of postoperative vaginal hemorrhage by embolization of the medial circumflex femoral artery. Oduriny A, et al. **AJR** 1987 Aug;149(2):319–20

Silicone-induced erosive arthritis: radiologic features in seven cases. Schneider HJ, et al. **AJR** 1987 May; 148(5):923–5

Posttransplant renal artery stenosis: angiographic study in 32 children. Stanley P, et al. **AJR** 1987 Mar;148(3):487–90

Detection of prosthetic vascular complications: comparison of CT and angiography. Vogelzang RL, et al. **AJR** 1987 Apr;148(4):819–23

Liver transplant rejection: angiographic findings in 35 patients. White RM, et al. **AJR** 1987 Jun;148(6):1095–8

Perioperative complications of in-situ vein bypass [letter] Loughlin V. **Ann R Coll Surg Engl** 1987 Jan;69(1):40

Calcification at the site of repair of coarctation of the aorta. Rivero HJ, et al. **Ann Radiol (Paris)** 1986;29(6):557–9

The value of computed tomography in postoperative pneumothorax following open-heart surgery. Esposito RA, et al. **Ann Thorac Surg** 1986 Dec;42(6):699–701

Pneumonia following bone marrow transplantation. Branson JA, et al. **Australas Radiol** 1986 Aug;30(3):219–25

Arteriography of renal transplantation. Gedroyc WM, et al. **Clin Radiol** 1987 May;38(3):239–43

Late CT detection of gas in an aortic graft: a normal postoperative finding. Klein J, et al. **Comput Radiol** 1986 Jul–Aug;10(4):193–5

Colonic varices as a complication of colonic surgery. Arbona JL, et al. **Gastrointest Radiol** 1987;12(4):350–2

Role of endoscopic retrograde cholangiopancreatography (ERCP) in patients with post cholecystectomy problems. Makwane UK, et al. **Indian J Gastroenterol** 1987 Jan; 6(1):11–3

Tethered cord syndrome in an adult: clinical and neuroradiological features. Caverni L, et al. **Ital J Neurol Sci** 1987 Apr;8(2):157–60

The incidence and implications of chest radiographic abnormalities following orthotopic liver transplantation. Costello P, et al. **J Can Assoc Radiol** 1987 Jun;38(2):90–5

Radiologic findings of retroperitoneal perforation after sphincterotomy. Harker L, et al. **J Can Assoc Radiol** 1986 Sep;37(3):169–72

Radiologic assessment of bile duct complications in liver transplantation: initial experience. Olutola PS, et al. **J Can Assoc Radiol** 1986 Dec;37(4):276–8

Acute epidural hematoma following decompressive surgery of a subdural hematoma. Thibodeau M, et al. **J Can Assoc Radiol** 1987 Mar;38(1):52–3

CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma. Parienty RA, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):92–5

Angelchik antireflux device: computed tomography appearance. Sussman SK, et al. **J Comput Tomogr** 1987 Apr;11(2):212–5

Post-nephrectomy CT appearance in patients with hypernephroma. Pekanan P, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:77–84

Natural history of postoperative aneurysm rests. Feuerberg I, et al. **J Neurosurg** 1987 Jan;66(1):30–4

Supratentorial gliomas: surgical considerations and immediate postoperative results. Gross total resection versus partial resection. Ciric I, et al. **Neurosurgery** 1987 Jul;21(1):21–6

Superficial temporal artery to proximal middle cerebral artery anastomosis: clinical and angiographic long term results. Collice M, et al. **Neurosurgery** 1986 Dec;19(6):992–7

Computed tomography in the postoperative lumbar spine. Kornberg M. **Orthopedics** 1987 Jul;10(7):1031–3

CT demonstration of asymptomatic pulmonary emboli after bone marrow transplantation: case report. Allen BT, et al. **Pediatr Radiol** 1987;17(1):65–7

Cine computed tomography for diagnosis of superior vena cava obstruction following the Mustard operation. Matherne GP, et al. **Pediatr Radiol** 1987;17(3):246–7

Postoperative angiographic and interventional radiologic evaluation of liver recipients. Cardella JF, et al. **Radiol Clin North Am** 1987 Mar;25(2):309–21

The abdominal textiloma. Particularities of CT diagnosis. Georgescu SA, et al. **Radiol Diagn (Berl)** 1987; 28(2):197–204

Pseudarthrosis following lumbar fusion: detection by direct coronal CT scanning. Chafetz N, et al. **Radiology** 1987 Mar; 162(3):803–5

B-cell lymphoproliferative disorders in children after bone marrow transplantation: radiologic manifestations. Day DL, et al. **Radiology** 1987 Mar;162(3):807–10

Intraabdominal hematoma following orchiectomy: a potential pitfall in using CT for staging of testicular cancer. Kullmann G, et al. **Radiology** 1987 Apr;163(1):129–30

Arthrographic study of painful total hip arthroplasty: refined criteria. Maus TP, et al. **Radiology** 1987 Mar;162(3):721–7

Pelvic exenteration: role of CT in follow-up. Pan G, et al. **Radiology** 1987 Sep;164(3):665–70

Right-pneumonectomy syndrome: radiologic findings and CT correlation. Shepard JA, et al. **Radiology** 1986 Dec; 161(3):661–4

Recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography. Work in progress. Singson RD, et al. **Radiology** 1987 Aug;164(2):425–8

Bronchocolic fistula in a splenectomized thalassemic boy. Di Bella D, et al. **Rays** 1985 May–Aug;10(2):29–33

The Kock continent ileostomy—radiology of dysfunctions. Ekberg O, et al. **ROFO** 1987 May;146(5):514–9

Roentgenographic findings following anterior cervical fusion. Gore DR, et al. **Skeletal Radiol** 1986;15(7):556–9

Angiography following extracranial–intracranial bypass surgery. Benzel EC, et al. **Surg Neurol** 1987 Jun;27(6):585–6

Trapped fourth ventricle in an adult: radiographic findings and surgical treatment. Hubbard JL, et al. **Surg Neurol** 1987 Oct;28(4):301–6

Thrombofibrinous sheath occlusion of peritoneovenous shunts. Schwartzentruber DJ, et al. **Surgery** 1987 Sep; 102(3):534–9

A failure of the locking system of the acetabular assembly in a total hip replacement. Kim YH. **Yonsei Med J** 1987; 28(1):71–4

[Endorectal anastomosis syndrome] Apostolov A. **Khirurgiia (Sofiia)** 1987;40(3):55–9 (Eng. Abstr.) **(Bul)**

[Role of endoscopic retrograde cholangiopancreatography in the postcholecystectomy syndrome] Khlebarov I. **Khirurgiia (Sofiia)** 1986;39(5):103–9 (Eng. Abstr.) **(Bul)**

[Extradural hematoma after the surgical treatment of kyphosis] Bléry M, et al. **J Radiol** 1986 Nov;67(11):823–6 (Eng. Abstr.) **(Fre)**

[X-ray computed tomography in the course of mediastinitis after sternostomy for heart surgery] Hélénon O, et al. **J Radiol** 1987 Apr;68(4):237–45 (Eng. Abstr.) **(Fre)**

[Complications of colonic esophagoplasty. Radiologic aspects] Mouelhi MM, et al. **J Radiol** 1986 Aug–Sep; 67(8–9):605–11 (Eng. Abstr.) **(Fre)**

[Significance of rotation errors in supracondylar humeral fractures in the child] Resch H, et al. **Aktuel Traumatol** 1987 Apr;17(2):65–72 (Eng. Abstr.) **(Ger)**

[Roentgenocinematographic studies on the diagnosis of swallowing after tumor surgery] Hartmann N, et al. **Fortschr Kiefer Gesichtschir** 1987;32:199–200 **(Ger)**

[Facial morphology in operated unilateral lip–jaw–palate clefts—a roentgen cephalometric study] Schwarz C, et al. **Fortschr Kieferorthop** 1987 Jun;48(3):174–83 (Eng. Abstr.) **(Ger)**

[Further development of pneumatization of the mastoid apophysis in long-term drainage of the tympanum] Heller U, et al. **HNO** 1987 Feb;35(2):67–9 (Eng. Abstr.) **(Ger)**

[Portohepatic angiography with intra-arterial digital subtraction technic] Krestin GP, et al. **Med Klin** 1986 May 16;81(11):380–4 (Eng. Abstr.) **(Ger)**

[Roentgen diagnosis following knee surgery] Vogel H, et al. **Radiologe** 1987 Feb;27(2):71–5 (Eng. Abstr.) **(Ger)**

[Lumbar reprolapse or scar tissue? An attempt at differentiation via a computer tomographic bicolor mode] Dihlmann W. **ROFO** 1987 Mar;146(3):330–4 (Eng. Abstr.) **(Ger)**

[Biloma in the subhepatic space and omental bursa after revision of the choledochus] Schmitt R, et al. **ROFO** 1986 Nov;145(5):601–3 **(Ger)**

[Roentgen morphology following interventions of the lumbar intervertebral disk] Hansen C, et al. **Rontgenblatter** 1986

Oct;39(10):280–6 (Eng. Abstr.) **(Ger)**
[Leiomyoma in the B II stomach remnant] Mildenberger P, et al. **Rontgenblatter** 1986 Nov;39(11):330–2 (Eng. Abstr.) **(Ger)**
[Late result following successful penis replantation with spontaneous closure of a urethral fistula] Kuber W. **Urologe [A]** 1986 Jul;25(4):235–7 (Eng. Abstr.) **(Ger)**
[Late clinical and roentgenologic results following surgical treatment of chronic shoulder dislocation using Lange's technic] Melzer C, et al. **Z Orthop** 1986 Nov–Dec; 124(6):703–6 (Eng. Abstr.) **(Ger)**
[Intestinal perforation with extravasation of contrast medium in paracolostomy hernia] Lange H, et al. **Zentralbl Chir** 1986;111(18):1134–6 **(Ger)**
[Cervical spondylitis as a sequela of rubber band ligation treatment of hemorrhoids] Santavirta S, et al. **Zentralbl Chir** 1987;112(11):725–8 **(Ger)**
[Findings in the postoperative angiogram] Suthamphong P, et al. **Zentralbl Chir** 1986;111(21):1329–36 (Eng. Abstr.) **(Ger)**
[Computerized tomography in the diagnosis of abscesses of the posterior pararenal space secondary to surgical interventions on the abdomen] Busoni F, et al. **Radiol Med (Torino)** 1987 Apr;73(4):289–94 (Eng. Abstr.) **(Ita)**
[Radiologic management of abdominal surgical drainage] Miotto D, et al. **Radiol Med (Torino)** 1987 Jul–Aug; 74(1–2):13–7 (Eng. Abstr.) **(Ita)**
[CT of postoperative maxillary cyst] Hashimoto M, et al. **Rinsho Hoshasen** 1987 Jan;32(1):27–31 (Eng. Abstr.) **(Jpn)**
[Post-operative abscess of the lesser peritoneal sac following surgery of an ileal obstruction] Ohba M. **Rinsho Hoshasen** 1986 Aug;31(8):913–4 **(Jpn)**
[Use of urogranic acid in roentgenologic diagnosis of tracheobronchial lesions in patients after radical laryngectomy of cancer] Szmigielski W, et al. **Otolaryngol Pol** 1986;40(5):364–9 (Eng. Abstr.) **(Pol)**
[Value of CT in detecting complications after reparative surgery in aorto-iliac arterial occlusion] Ziemiański A, et al. **Pol Przegl Radiol (Warszawa)** 1986 May–Jun;50(3):142–6 (Eng. Abstr.) **(Pol)**
[Hemodynamic and cardiometric studies in patients with ventricular septal defects with a history of surgery of pulmonary artery stenosis at an early age] Fal'kovskiĭ GE, et al. **Grudn Khir** 1987 Mar–Apr;(2):28–33 (Eng. Abstr.) **(Rus)**
[Clinical lymphographic diagnosis of posttraumatic edema in the substitution of bone defects] Chepelenko GV. **Vestn Khir** 1987 Apr;138(4):36–8 (Eng. Abstr.) **(Rus)**
[Differential roentgenologic diagnosis of mechanical and functional intestinal obstruction] Shcherbatenko MK, et al. **Vestn Rentgenol Radiol** 1986 Sep–Oct;(5):46–53 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Postpneumonectomy bronchopleural fistula imaged by ventilation lung scanning. Moote D, et al. **Clin Nucl Med** 1987 Apr;12(4):337–8
Inadvertent ligation of the left pulmonary artery instead of patent ductus arteriosus. Noninvasive diagnosis by pulmonary perfusion imaging. Orzel JA, et al. **Clin Nucl Med** 1986 Sep;11(9):629–31
Clinical significance of 201Tl reverse redistribution in patients with aorto-coronary bypass surgery. Nishimura T, et al. **Eur J Nucl Med** 1987;13(3):139–42
Cerebral haemodynamic changes after extracranial–intracranial bypass surgery. Gibbs JM, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):140–50
Thallium-201 imaging of auto-transplanted parathyroid glands [letter] Goldfarb CR, et al. **J Nucl Med** 1987 Jul; 28(7):1230–1
Cerebral infarction complicating Fontan surgery for cyanotic congenital heart disease. Mathews K, et al. **Pediatr Cardiol** 1986;7(3):161–6
[Radionuclide bone scan in the evaluation of total hip arthroplasty for loosening or infection] Chen HY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jun;85(6):554–60 (Eng. Abstr.) **(Chi)**
[Improved regional myocardial function after aortocoronary bypass surgery noninvasive studies using the first-pass technic] Hemmer W, et al. **Langenbecks Arch Chir** 1986; 369:583–7 (Eng. Abstr.) **(Ger)**
[Indirect radionuclide lymphography in the evaluation of the completeness of iliac lymphadenectomy and the diagnosis of postoperative lymphatic cysts in uterine cancer] Kanaev SV, et al. **Med Radiol (Mosk)** 1987 May;32(5):31–4 (Eng. Abstr.) **(Rus)**
[Isotopic evaluation of renal transplantation and its complications in 36 patients] Pruzzo R, et al. **Rev Med Chil** 1986 Jun;114(6):541–5 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Para-articular ossification in total hip replacement: an indication for irradiation therapy. Brunner R, et al. **Arch Orthop Trauma Surg** 1987;106(2):102–7

REHABILITATION

Use of the urinary director appliance for management of voiding problems after radical vulvectomy. Ilika KL, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):72–3
Gastric partitioning complicated by peripheral neuropathy with lumbosacral plexopathy. Harwood SC, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):310–2
Sexual rehabilitation and male radical cystectomy. Schover LR, et al. **J Urol** 1986 Nov;136(5):1015–7
Hypoglossal–facial nerve anastomosis and electromyographic feedback rehabilitation. Hammerschlag PE, et al. **Laryngoscope** 1987 Jun;97(6):705–9
A double blind trial of NSAID versus placebo during rehabilitation. Arvidsson I, et al. **Orthopedics** 1987 Jul; 10(7):1007–14
[Catamnestic studies of the occupational rehabilitation of hemiplegic patients following surgical removal of a cerebral arteriovenous angioma] Wahle H. **Rehabilitation (Stuttg)** 1986 Nov;25(4):152–9 (Eng. Abstr.) **(Ger)**
[Rehabilitation following surgery of intraspinal tumors of the thoracic spine] Becker R, et al. **Zentralbl Neurochir** 1986; 47(4):342–5 (Eng. Abstr.) **(Ger)**

SURGERY

Megaprosthesis and infection after total hip prosthesis. Buchholz HW. **Acta Orthop Belg** 1986 May–Jun; 52(3):360–7
Revision of THR by PM-prostheses. Parhofer R. **Acta Orthop Belg** 1986 May–Jun;52(3):350–8
Complications of percutaneous biliary drainage: benign vs malignant diseases. Yee AC, et al. **AJR** 1987 Jun; 148(6):1207–9
Aortic false aneurysm: recognition by noninvasive techniques four years after mitral valve replacement. Come PC, et al. **Am J Cardiol** 1986 Nov 15;58(11):1137–9
Reopening filtration fistulas with the neodymium–YAG laser. Dailey RA, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):491–5
Planned reoperation for generalized intraabdominal infection. Andrus C, et al. **Am J Surg** 1986 Dec;152(6):682–6
Complications and reoperation after Nissen fundoplication in childhood. Dedinsky GK, et al. **Am J Surg** 1987 Feb; 153(2):177–83
Hernia through the foramen of Winslow: a complication of cholecystectomy. A case report. Valenziano CP, et al. **Am Surg** 1987 May;53(5):254–7
The results of incisional hernia repair: a twelve year review. George CD, et al. **Ann R Coll Surg Engl** 1986 Jul; 68(4):185–7
A new technique for excision of recurrent anastomotic strictures of the rectum. Hinton CP, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):260–1
The results of incisional hernia repair: a twelve year review [letter] Hughes LE. **Ann R Coll Surg Engl** 1987 Jan; 69(1):40–2
Emergency abdominal re-exploration in a district general hospital. Wain MO, et al. **Ann R Coll Surg Engl** 1987 Jul; 69(4):169–74
Management and outcome of retroperitoneal abscesses. Crepps JT, et al. **Ann Surg** 1987 Mar;205(3):276–81
Successful management of left ventricular rupture following myocardial revascularization. Bojar RM, et al. **Ann Thorac Surg** 1987 Sep;44(3):312–4
Creation of an atrial septal defect for acute postperfusion right ventricular failure. Caralps JM, et al. **Ann Thorac Surg** 1987 Apr;43(4):435–6
Use of in situ pericardium for surgical relief of pulmonary venous obstruction following Mustard's operation. Corno AF, et al. **Ann Thorac Surg** 1987 Apr;43(4):443–4
Repair of pulmonary valve insufficiency using an autologous monocusp. Cowgill LD, et al. **Ann Thorac Surg** 1986 Nov; 42(5):587–9
Postpneumonectomy tension chylothorax. Karwande SV, et al. **Ann Thorac Surg** 1986 Nov;42(5):585–6
Pulmonary venous obstruction following repair of total anomalous pulmonary venous drainage. Schäfers HJ, et al. **Ann Thorac Surg** 1987 Apr;43(4):432–4
Prevention and management of delayed suprachoroidal hemorrhage after filtration surgery. Frenkel RE, et al. **Arch Ophthalmol** 1986 Oct;104(10):1459–63
Refractive keratoplasty for disabling astigmatism after penetrating keratoplasty. McCartney DL, et al. **Arch Ophthalmol** 1987 Jul;105(7):954–7
Jejunoileal bypass. A legacy of late complications. Kirkpatrick JR. **Arch Surg** 1987 May;122(5):610–4
Persistent postoperative enterocutaneous fistula: pathophysiology and treatment. Hugh TB, et al. **Aust NZ J Surg** 1986 Dec;56(12):901–6
Haemodynamic effects following surgical release of increased intra-abdominal pressure. Shelly MP, et al. **Br J Anaesth** 1987 Jun;59(6):800–5
Management of unsuccessful lacrimal surgery. Welham RA, et al. **Br J Ophthalmol** 1987 Feb;71(2):152–7
Characteristics and management of flexor tendon graft disruption. Kraemer BA, et al. **Br J Plast Surg** 1987 May; 40(3):258–63
Surgical management of severe intractable postvagotomy diarrhoea. Cuschieri A. **Br J Surg** 1986 Dec;73(12):981–4
Use of a muscle graft for unhealed perineal sinus. Mann CV, et al. **Br J Surg** 1986 Dec;73(12):1000–1
Cotrel-Dubousset instrumentation technique for revision of failed lumbosacral fusion. Farcy JP, et al. **Bull Hosp Jt Dis Orthop Inst** 1987 Spring;47(1):1–12
Closure of postproctectomy perineal sinus with gracilis muscle flaps. Pezim ME, et al. **Can J Surg** 1987 May; 30(3):212–4
Posterior wall disruption of the left ventricle after mitral valve replacement: management of bleeding and cardiac enlargement. Vincente WV, et al. **Can J Surg** 1987 Jul; 30(4):249–51
Asynchronous primary valve failure in patients with porcine bioprosthetic aortic and mitral valves. Magilligan DJ Jr, et al. **Circulation** 1987 Sep;76(3 Pt 2):III141–5
Treatment of the septic hip with total hip arthroplasty. Balderston RA, et al. **Clin Orthop** 1987 Aug;(221):231–7
Salvage of intraarticular malunions of the hand and wrist. The role of realignment osteotomy. Light TR. **Clin Orthop** 1987 Jan;(214):130–5
The Maquet procedure—anterior displacement of the tibial tubercle. Indications, contraindications, and precautions. Radin EL. **Clin Orthop** 1986 Dec;(213):241–8
Postoperative spondylolisthesis. Sienkiewicz PJ, et al. **Clin Orthop** 1987 Aug;(221):172–80
Postoperative perineal hernia. Beck DE, et al. **Dis Colon Rectum** 1987 Jan;30(1):21–4
Endoscopic sphincterotomy and surgical approaches in the treatment of the 'sump syndrome'. Marbet UA, et al. **Gut** 1987 Feb;28(2):142–5
Management of failed nerve graft following facial nerve resection for facial nerve neurofibroma. May M, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):184–7
Management of postoperative choroidal detachment. Krishnan MM, et al. **Indian J Ophthalmol** 1985 Jul–Aug; 33(4):217–20
One-staged exchange arthroplasty for septic total hip replacement. Harris WH. **Instr Course Lect** 1986;35:226–8
Resection arthroplasty: an alternative to arthrodesis for salvage of the infected total knee arthroplasty. Kaufer H, et al. **Instr Course Lect** 1986;35:283–9
Revision total knee arthroplasty: indications and contraindications. Kaufer H, et al. **Instr Course Lect** 1986; 35:297–304
Salvage of acetabular insufficiency with cementless components. Murray WR. **Instr Course Lect** 1986;35:163–8
Prosthetic reimplantation for salvage of the infected hip. Salvati EA, et al. **Instr Course Lect** 1986;35:234–41
Skin grafts in the surgical treatment of incisional hernias. Navarrini GC, et al. **Ital J Surg Sci** 1987;17(1):49–53
Failed total knee arthroplasty treated by arthrodesis of the knee using the Ace-Fischer apparatus. Rand JA, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):39–45
Revision of failed total hip arthroplasty. Ejsted R, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):57–60
Ring uncemented hip replacements. The results of revision. Patterson M. **J Bone Joint Surg [Br]** 1987 May;69(3):374–80
Management of immediate occlusion after carotid-reconstruction. Simma W, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):176–9
Pericardiectomy for effusive constrictive pericarditis after heart transplantation. Copeland JG, et al. **J Heart Transplant** 1986 Mar–Apr;5(2):171–2
Chylothorax: an omnipresent reality in thoracic surgical procedures. Ajanwachuku VE, et al. **J Natl Med Assoc** 1986 Nov;78(11):1102–4
Postoperative tension pneumocephalus. Gozur JA. **J Neurosci Nurs** 1987 Feb;19(1):30–5
Closure of extensive and complicated laminectomy wounds. Operative technique. Zide BM, et al. **J Neurosurg** 1987 Jul;67(1):59–64
Multiple-flap anoplasty in the treatment of rectal prolapse after pull-through operations for imperforate anus. Caouette-Laberge L, et al. **J Pediatr Surg** 1987 Jan; 22(1):65–7
Current risks and protocols for operations for double-outlet right ventricle. Derivation from an 18 year experience. Kirklin JW, et al. **J Thorac Cardiovasc Surg** 1986 Nov; 92(5):913–30
Internal mammary artery graft [letter] Shafir R, et al. **J Thorac Cardiovasc Surg** 1986 Dec;92(6):1107
Surgical treatment after the failed antireflux operation. Stirling MC, et al. **J Thorac Cardiovasc Surg** 1986 Oct; 92(4):667–72
Salvage of tourniquet-induced thumb necrosis by a modified wraparound procedure. Hou SM, et al. **J Trauma** 1987 Jul; 27(7):803–5
A method for fixation of femoral fractures below previous hip implants. Kolmert L. **J Trauma** 1987 Apr;27(4):407–10
Management of late complications of the Kock pouch form of urinary diversion. Lieskovsky G, et al. **J Urol** 1987 Jun; 137(6):1146–50
Tunica wedge excision to correct penile curvature associated with the inflatable penile prosthesis. Mulcahy JJ, et al. **J Urol** 1987 Jul;138(1):63–4
Vesicocalicostomy as ultimate solution for recurrent urological complications after cadaveric renal transplantation in a patient with poor bladder function. van Son WJ, et al. **J Urol** 1986 Oct;136(4):889–91
Rupture of a previously bypassed popliteal aneurysm: a case report. Battey PM, et al. **J Vasc Surg** 1987 Jun;5(6):874–5
Hemorrhagic complications resulting in reoperation after peripheral vascular surgery: a fourteen-year experience. Bergqvist D, et al. **J Vasc Surg** 1987 Aug;6(2):134–8
A successful electrical ablation of recurrent sustained ventricular tachycardia in a postoperative case of tetralogy of Fallot. Oda H, et al. **Jpn Heart J** 1986 May;27(3):421–8
Vasovasostomy for obstructive azoospermia due to herniorrhaphy in childhood. Miyake K, et al.

Nagoya J Med Sci 1987 Mar;49(1–4):53–9
Graft failure and graft nephrectomy without severe complications. Hansen BL, et al.
Nephrol Dial Transplant 1987;2(3):189–90
Spinal compression syndromes caused by intradural foreign body. Braunsdorf WE, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):123–4
Perineal hernia repair using human dura. Delmore JE, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):507–8
Femoral component retroversion treated by supracondylar rotational osteotomy. Cohn BT, et al. **Orthopedics** 1987 Jul;10(7):1057–9
Management of postoperative bleeding after tonsillectomy. Franco KL, et al. **Otolaryngol Clin North Am** 1987 May; 20(2):391–7
Testicular torsion following orchiopexy. Morgan JA, et al. **Pediatr Emerg Care** 1986 Dec;2(4):244–6
Postquadrantectomy breast deformities: classification and techniques of surgical correction. Berrino P, et al.
Plast Reconstr Surg 1987 Apr;79(4):567–72
Unsatisfactory forehead scar following face lift. Borges AF. **Plast Reconstr Surg** 1986 Oct;78(4):526–7
Arteriovenous malformation following rhinoplasty [letter] Levet Y, et al. **Plast Reconstr Surg** 1987 Feb;79(2):302–3
Repair of coarctation of the aorta in the first three months of life. Levinsky L, et al.
Scand J Thorac Cardiovasc Surg 1986;20(3):209–12
Indications for and timing of removal of non-functioning kidney transplant. Lund Hansen B, et al.
Scand J Urol Nephrol 1986;20(3):217–20
Percutaneous introduction of double-J ureteral stents. Skriver EB, et al. **Scand J Urol Nephrol** 1987;21(1):47–50
Interspinous wiring without bone grafting for nonunion or delayed union following anterior spinal fusion of the cervical spine. Fuji T, et al. **Spine** 1986 Dec;11(10):982–7
Surgical management of large incisional hernias by an intraperitoneal Mersilene mesh and an aponeurotic graft. Adloff M, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):204–6
A simple technique for correction of severe gastrostomy leakage. Gauderer MW. **Surg Gynecol Obstet** 1987 Aug; 165(2):170–2
Balloon dilation for the treatment of stomal stenosis complicating gastric surgery for morbid obesity. Kretzschmar CS, et al. **Surgery** 1987 Sep;102(3):443–6
Reoperations for malfunction of heart valve prostheses, especially with endocarditis. Schulte HD, et al.
Thorac Cardiovasc Surg 1987 Feb;35(1):16–9
Gastric stump carcinoma. Fischer A.
Wien Klin Wochenschr 1987 Jun 12;99(12):424–5
Malfunction of peritoneovenous (LeVeen) shunt after tricuspid valvulectomy [letter] **World J Surg** 1987 Aug; 11(4):555–6
Recurrent peptic ulcers. Johnston D, et al. **World J Surg** 1987 Jun;11(3):274–82
Acquired hypoganglionosis after soave endorectal pull-through procedure—a case report. Dajani OM, et al. **Z Kinderchir** 1986 Aug;41(4):248–9
Torsion of the testis following previous "fixation"Gillon G, et al. **Z Kinderchir** 1986 Aug;41(4):246–7
[The importance of corium grafts in reconstruction of recurrent postoperative hernias] Kubáček V. **Rozhl Chir** 1986 Oct;65(10):687–90 (Eng. Abstr.) (Cze)
[Reconstitution of tracheal defects with local skin and muscle flaps] Aasted A, et al. **Ugeskr Laeger** 1986 Aug 25; 148(35):2219–21 (Eng. Abstr.) (Dan)
[Revision of the infected total hip prosthesis] Lewalle J, et al. **Acta Orthop Belg** 1986 May–Jun;52(3):369–82 (Eng. Abstr.) (Fre)
[Results of the use of the Müller femoral megaprosthesis. A 2-stage revision for sepsis] Litt R, et al.
Acta Orthop Belg 1986 May–Jun;52(3):383–90 (Eng. Abstr.) (Fre)
[Treatment of median abdominal hernia by muscular autograft and pre-musculo-aponeurotic prosthesis. Apropos of 50 cases] Chevrel JP, et al. **Chirurgie** 1986; 112(9):616–22 (Eng. Abstr.) (Fre)
[Immediate repair of urethroperineal fistulas after abdominoperineal amputation by means of a cutaneo-muscular flap of the gluteus maximus. Apropos of 2 successfully treated cases] Avril A, et al.
J Chir (Paris) 1986 Oct;123(10):582–5 (Eng. Abstr.) (Fre)
[Technic of cement removal in exchange operations with joint endoprostheses] Stühmer KG.
Aktuel Probl Chir Orthop 1987;31:342–6 (Ger)
[Possibilities and limits of ultrasound manipulation-removal of bone cements] Weber U, et al.
Aktuel Probl Chir Orthop 1987;31:347–9 (Ger)
[Tension band osteosynthesis—a method fraught with complications in surgical fracture treatment?] Roesgen M, et al. **Aktuel Traumatol** 1987 Jun;17(3):120–3 (Eng. Abstr.) (Ger)
[Heart dislocation following extensive lung resection with partial pericardial resection] Groh J, et al. **Anaesthesist** 1987 Apr;36(4):182–4 (Eng. Abstr.) (Ger)
[Correction of post-traumatic malposition of the femur] Wawro W, et al. **Beitr Orthop Traumatol** 1987 Mar; 34(3):154–61 (Eng. Abstr.) (Ger)
[Surgical approach in recurrent varicosis of the stump of the great saphenous vein] Helmig L, et al. **Chirurg** 1987 Mar;58(3):176–8 (Ger)
[Artefact—diagnosis and therapy from the surgical viewpoint] Herzberg G, et al. **Chirurg** 1987 Apr;58(4):265–8 (Eng. Abstr.) (Ger)
[Reconstruction of noncircumferential bile duct defects by omentumplasty and temporary stenting] Meissner K, et al. **Chirurg** 1987 Mar;58(3):154–7 (Eng. Abstr.) (Ger)
[Migration of an Angelchik antireflux prosthesis in the gastrointestinal tract with ileus of the small intestine] Münch D, et al. **Chirurg** 1986 Dec;57(12):812–4 (Ger)
[Long-term management of tracheoesophageal fistula—successful control by esophageal segmentation and stomach pull-up] Roscher R, et al. **Chirurg** 1986 Aug; 57(8):502–5 (Eng. Abstr.) (Ger)
[Corrective operations following primary surgical management of facial cleft patients] Schwenzer N.
Fortschr Kieferorthop 1986 Dec;47(6):540–6 (Eng. Abstr.) (Ger)
[Silicone oil in the anterior chamber of the aphakic eye: prevention and elimination of this complication] Petersen J. **Fortschr Ophthalmol** 1986;83(5):587–9 (Eng. Abstr.) (Ger)
[Compartment syndrome as a complication of surgical position in penis replantation] Hellbom B, et al.
Handchir Mikrochir Plast Chir 1986 Nov;18(6):363–6 (Eng. Abstr.) (Ger)
[Complications and failures in free-flap transplantations] Scharnagl E, et al. **Handchir Mikrochir Plast Chir** 1987 Mar;19(2):76–80 (Eng. Abstr.) (Ger)
[Breast reconstructions using a dermal fat flap] Schrudde J. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):257–63 (Eng. Abstr.) (Ger)
[Revision surgery following axillo-femoral bypass] Pallua N, et al. **Helv Chir Acta** 1987 Feb;53(4):479–83 (Eng. Abstr.) (Ger)
[Rare complications following stapes operation and their surgical treatment] Morgenstern C, et al. **HNO** 1986 Aug; 34(8):325–6 (Eng. Abstr.) (Ger)
[Cryocoagulation of a prolapsed iris in hypertensive uveitis] Strasser G, et al. **Klin Monatsbl Augenheilkd** 1987 Mar; 190(3):199–200 (Eng. Abstr.) (Ger)
[Possibilities for vascular reconstruction in the post-thrombotic syndrome] Brunner U.
Langenbecks Arch Chir 1986;369:609–14 (Eng. Abstr.) (Ger)
[Reoperation following Nissen fundoplication] Chernousov AF, et al. **Langenbecks Arch Chir** 1986;368(4):223–31 (Eng. Abstr.) (Ger)
[Post-traumatic osteitis following severe soft tissue and skeletal injuries of the distal lower leg and foot] Matter P, et al. **Langenbecks Arch Chir** 1986;369:633–6 (Eng. Abstr.) (Ger)
[Reinterventions following fundoplication] Siewert JR.
Langenbecks Arch Chir 1986;368(4):219–21 (Ger)
[Results of treatment following corrective surgery of Whitehead anus] Sommer HJ, et al.
Langenbecks Arch Chir 1987;370(2):111–7 (Eng. Abstr.) (Ger)
[Corrective osteotomies of the distal forearm] Behrens S, et al. **Unfallchirurg** 1987 Jan;90(1):6–13 (Eng. Abstr.) (Ger)
[Revision interventions of hip joint endoprostheses at a district hospital. Clinical study following 1,240 first-time implantations 1969–1983] Wenzl H, et al. **Unfallchirurg** 1987 Mar;90(3):113–6 (Eng. Abstr.) (Ger)
[Post-traumatic proximal radio-ulnar synostosis] Rustemeier M. **Unfallchirurgie** 1986 Aug;12(4):220–4 (Eng. Abstr.) (Ger)
[Ureteral stump metastasis of a hypernephroma. A case report] Schnell D, et al. **Urologe [A]** 1987 Mar;26(2):51–4 (Eng. Abstr.) (Ger)
[Risk of reoperations and acute interventions in valvular surgery] Althaus U, et al. **Z Kardiol** 1986 Sep;75(9):511–5 (Eng. Abstr.) (Ger)
[Long-term studies following heart valve replacement] Horstkotte D, et al. **Z Kardiol** 1986 Nov;75(11):641–5 (Eng. Abstr.) (Ger)
[Experience with 466 re-examined Wagner double-cup hip joint endoprostheses] Ferdini R, et al. **Z Orthop** 1986 Nov–Dec;124(6):740–2 (Eng. Abstr.) (Ger)
[Carpal tunnel syndrome following arteriovenous forearm shunt in chronic dialysis patients—a review of 24 surgically treated patients] Seifert V, et al. **Z Orthop** 1987 Jan–Feb; 125(1):85–90 (Eng. Abstr.) (Ger)
[Spontaneous closure of a palliative stapler gastro-entero-anastomosis] Bell WH. **Zentralbl Chir** 1987; 112(8):516–8 (Ger)
[Therapeutic possibilities in adhesions] Jung D, et al.
Zentralbl Chir 1986;111(23):1482–8 (Eng. Abstr.) (Ger)
[Indications for vagotomy in postoperative peptic ulcer] Campana FP, et al. **Ann Ital Chir** 1986;58(2–4):113–9 (Ita)
[Surgical treatment of infected total hip prostheses. I. Removal of the implant] Aglietti P, et al.
Arch Putti Chir Organi Mov 1985;35:37–48 (Eng. Abstr.) (Ita)
[Surgical treatment of infected total hip prostheses. II. Prosthesis removal and reimplantation] Aglietti P, et al.
Arch Putti Chir Organi Mov 1985;35:49–58 (Eng. Abstr.) (Ita)
[A successful surgical treatment of prosthetic valve endocarditis due to Salmonella species] Irisawa A, et al.
Kyobu Geka 1987 Feb;40(2):152–8 (Eng. Abstr.) (Jpn)
[Surgical correction of pigeon breast—a consideration on how to avoid postoperative cardiac compression] Kasagi Y, et al. **Kyobu Geka** 1987 Feb;40(3):213–7 (Eng. Abstr.) (Jpn)
[Pseudoaneurysm after aortic valve replacement combined with enlargement of the small aortic annulus] Okabayashi H, et al. **Kyobu Geka** 1987 Apr;40(5):410–3 (Eng. Abstr.) (Jpn)
[A case of constrictive pericarditis developing soon after myocardial revascularization] Sakamoto M, et al.
Kyobu Geka 1987 Feb;40(3):259–61 (Eng. Abstr.) (Jpn)
[A case of successful operation of acute pulmonary embolism] Sakamoto S, et al. **Kyobu Geka** 1987 May;40(6):487–91 (Eng. Abstr.) (Jpn)
[The use of omental flap to close the postpneumonectomy empyema space with bronchial fistula—a case report] Fujio A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug; 34(8):1174–7 (Eng. Abstr.) (Jpn)
[Report of 2 cases of aneurysm of saphenous vein-coronary artery bypass graft] Harada H, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Nov;34(11):2012–6 (Eng. Abstr.) (Jpn)
[Chronic rectal fistula after rectal amputation. Treatment with transposition of the gracilis muscle] Gravem PE, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2990–2 (Eng. Abstr.) (Nor)
[Survey in heart transplant patients] Solheim K, et al.
Tidsskr Nor Laegeforen 1987 Jan 10;107(1):8–9 (Eng. Abstr.) (Nor)
[Removal, by the vaginal route, of bladder calculi formed after surgical treatment of urinary stress incontinence] Lotocki W. **Ginekol Pol** 1987 Feb;58(2):94–7 (Eng. Abstr.) (Pol)
[Reasons for relaparotomy in gynecologic practice] Utkin IuK, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):24–6 (Eng. Abstr.) (Rus)
[Status of immunologic defense, anesthesia and intensive care during relaparotomy] Askerkhanov RP, et al.
Anesteziol Reanimatol 1987 May–Jun;(3):26–8 (Eng. Abstr.) (Rus)
[Reoperations on the trachea] Avilova OM, et al.
Grudn Khir 1987 May–Jun;(3):21–4 (Eng. Abstr.) (Rus)
[Repeat operations under artificial circulation in patients with acquired heart defects] Malyshev IuI, et al. **Grudn Khir** 1987 Mar–Apr;(2):39–43 (Eng. Abstr.) (Rus)
[Repeat esophagoplasty in reconstructive surgery of the esophagus] Chernousov AF, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):36–41 (Eng. Abstr.) (Rus)
[Repeated surgical lowering of the colon in necrosis] Dul'tsev IuV, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):110–2 (Rus)
[Reoperations in primary cancer of the colon] Knysh VI, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):75–9 (Eng. Abstr.) (Rus)
[Treatment of patients with external intestinal fistula] Mazurik MF, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):66–9 (Rus)
[Treatment of defects of postoperative scars and small postoperative hernias] Nikol'skii VI. **Khirurgiia (Mosk)** 1987 Mar;(3):88–90 (Rus)
[Relaparotomy in children] Olelnik VS, et al.
Khirurgiia (Mosk) 1986 Aug;(8):132–4 (Rus)
[Relaparotomy in emergency surgery] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):9–14 (Eng. Abstr.) (Rus)
[Re-thoracotomy in children in the early postoperative period] Avilova OM, et al. **Klin Khir** 1987;(6):66–7 (Rus)
[Early complications after/late embolectomy of the aorta and peripheral arteries of the extremities] Strel'nikov II.
Klin Khir 1986;(7):10–2 (Eng. Abstr.) (Rus)
[Compression osteosynthesis using an Ilizarov apparatus in fractures of the femur after total endoprosthesis of the hip joint] Shersher IaI, et al. **Ortop Travmatol Protez** 1986 Nov; (11):64–5 (Rus)
[Repeat operations on a chronic empyema patient with a tracheopleurothoracic fistula and destructive tuberculosis of a solitary left lung] Ivanov AV, et al. **Probl Tuberk** 1987; (4):65–6 (Rus)
[Treatment of urinary fistula after kidney transplantation] Rozental' RL, et al. **Urol Nefrol (Mosk)** 1986 Sep–Oct; (5):56–8 (Eng. Abstr.) (Rus)
[Strangulated large and giant postoperative ventral hernias in elderly patients] Iatsentiuk MN. **Vestn Khir** 1986 Jul; 137(7):52–6 (Eng. Abstr.) (Rus)
[Thoracostomy in the treatment of pleural empyema] Lesnitskii LS, et al. **Vestn Khir** 1987 Mar;138(3):19–22 (Rus)
[Strangulation of traumatic diaphragmatic hernia in the postoperative period] Nechetov NV. **Vestn Khir** 1986 Jul; 137(7):104–5 (Rus)
[Treatment of acute peritonitis of appendicular origin] Sharov NA, et al. **Vestn Khir** 1986 Nov;137(11):75–6 (Rus)
[Reasons for and the results of early relaparotomies] Spivak VP, et al. **Vestn Khir** 1986 Sep;137(9):121–4 (Rus)
[Results of a repeat vitrectomy in patients with recurrent hemorrhages into the vitreous body in diabetic retinopathy] Glinchuk IaI, et al. **Vestn Oftalmol** 1987 May–Jun; 103(3):23–6 (Eng. Abstr.) (Rus)
[Reimplantation of the uretero-sigmoidostomy in stenosis of the anastomosis: analysis of 6 cases] Fiorentini L, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):393–7 (Eng. Abstr.) (Spa)

THERAPY

Transurethral prostatectomy: a bloodspilling technique.

Gentens P, et al. **Acta Chir Belg** 1986 Nov-Dec; 86(6):349-51

Balloon dilatation of alimentary tract strictures. Hegedüs V, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov-Dec; 27(6):681-6

Simple vesico-vaginal fistula (VVF) following gynaecological procedures for benign conditions. Value of cystoscopic fulguration and prolonged bladder catheterisation in their management. Van Oyen P, et al. **Acta Urol Belg** 1986;54(4):440-4

Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery. Stullman WS, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):393-5

Reversal of ischemic myocardial dysfunction by PTCA in a cardiac transplant patient. Wohlgelernter D, et al. **Am Heart J** 1986 Oct;112(4):837-9

Balloon dilation angioplasty of postoperative aortic obstructions. Saul JP, et al. **Am J Cardiol** 1987 Apr 15; 59(9):943-8

Use of therapeutic ultrasound to restore failed trabeculectomies. Yablonski M, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):492-6

A comparison of Levin and sump nasogastric tubes for postoperative gastrointestinal decompression. Ikard RW, et al. **Am Surg** 1987 Jan;53(1):50-3

Severe acute anaemia in a Jehovah's Witness. Survival without blood transfusion. Howell PJ, et al. **Anaesthesia** 1987 Jan;42(1):44-8

Respiratory disturbance and posterior fossa surgery. A case report. Yates AP, et al. **Anaesthesia** 1986 Dec;41(12):1214-8

Treatment of intrathecal morphine overdose by aspiration of cerebrospinal fluid. Kaiser KG, et al. **Anesth Analg** 1987 May;66(5):475-7

Delayed sternal closure after cardiac surgery. Fanning WJ, et al. **Ann Thorac Surg** 1987 Aug;44(2):169-72

Extracorporeal membrane oxygenation following repair of congenital diaphragmatic hernias. Langham MR Jr, et al. **Ann Thorac Surg** 1987 Sep;44(3):247-52

Early dilation in the treatment of esophageal disruption. Orringer MB, et al. **Ann Thorac Surg** 1986 Nov;42(5):536-9

Mechanical support of the failing heart. Park SB, et al. **Ann Thorac Surg** 1986 Dec;42(6):627-31

Endoscopic gluing of bronchopleural fistula [published erratum appears in Ann Thorac Surg 1987 Jun;43(6):691] Torre M, et al. **Ann Thorac Surg** 1987 Mar;43(3):295-7

Management of postoperative suprachoroidal hemorrhage with continuous-infusion air pump. Abrams GW, et al. **Arch Ophthalmol** 1986 Oct;104(10):1455-8

The treatment of generalized peritonitis by closed postoperative peritoneal lavage. A critical review of the literature. Leiboff AR, et al. **Arch Surg** 1987 Sep; 122(9):1005-10 (63 ref.)

Continuous renal replacement therapy in patients with acute renal dysfunction undergoing intraaortic balloon pump and/or left ventricular device support. Paganini EP, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):414-7

Treatment of acute renal allograft rejection with a monoclonal antibody to a T cell antigen (HuLy-m2). d'Apice AJ, et al. **Aust NZ J Med** 1987 Apr;17(2):210-5

The tide is stemmed. A method of catheter traction for the control of venous haemorrhage following transurethral resection of prostate. Gordon NS. **Aust NZ J Surg** 1987 Jul;57(7):475-6

Successful use of a right ventricular assist device. Belcher P, et al. **Br Heart J** 1987 Aug;58(2):162-5

Infection following intramedullary nailing of long bones. Diagnosis and management. Patzakis MJ, et al. **Clin Orthop** 1986 Nov;(212):182-91

Percutaneous transluminal angioplasty of renal transplant artery stenosis. Clements R, et al. **Clin Radiol** 1987 May; 38(3):235-7

Postpneumonectomy right-to-left interatrial shunt: obliteration with balloon-tip vascular catheter. Hazard PB. **Crit Care Med** 1987 Jun;15(6):618-9

Nonsurgical treatment of pelvic hemorrhage in obstetric and gynecologic patients. Mud HJ, et al. **Crit Care Med** 1987 May;15(5):534-5

Postoperative biliocutaneous fistula: successful treatment by insertion of an endoprosthesis. van Steenbergen W, et al. **Endoscopy** 1987 Jan;19(1):34-6

Long-term survival after counterpulsation for medically refractory heart failure complicating myocardial infarction and cardiac surgery. Kuchar DL, et al. **Eur Heart J** 1987 May;8(5):490-502

More about stomal stenosis after surgery for morbid obesity: the endoscope as a dilator [letter] Goldin E, et al. **Gastrointest Endosc** 1986 Dec;32(6):432-3

The prevention and treatment of complications from fractures of the distal radius and ulna. Zemel NP. **Hand Clin** 1987 Feb;3(1):1-11

Survival after left heart assist. Daniels DB, et al. **Indiana Med** 1987 Jan;80(1):38-40

Retained T-tube fragment: removal using a Gruntzig balloon dilatation catheter. McCarthy MC, et al. **Indiana Med** 1986 Sep;79(9):772-3

A randomized trial on the effect of isotonic amino acid infusion on postoperative complications and short life plasma protein concentrations. Sitges-Serra A, et al. **Infusionsther Klin Ernahr** 1986 Oct;13(5):210-4

Treatment of the infected total hip arthroplasty. Murray WR. **Instr Course Lect** 1986;35:229-33

Dermatologic considerations of stoma care. Rothstein MS. **J Am Acad Dermatol** 1986 Sep;15(3):411-32 (27 ref.)

Induction of controlled cardiac tamponade in the management of massive unexplained postcardiotomy bleeding. Case report and review of the literature. Aravot DJ, et al. **J Cardiovasc Surg (Torino)** 1986 Sep-Oct; 27(5):613-7

re Successful conservative management of chylothorax following cardiomyotomy [letter] Shanbhogue LK, et al. **J R Coll Surg Edinb** 1986 Aug;31(4):258

Management of urinary outflow obstruction after pelvic surgery: a review. Lupton EW. **J R Soc Med** 1986 Dec; 79(12):734-7 (16 ref.)

Percutaneous drainage of fluid collections in the bladder flap of febrile post-cesarean-section patients. A report of seven cases. Acholonu F, et al. **J Reprod Med** 1987 Feb; 32(2):140-3

Uncontrollable intraabdominal hemorrhage treated with packing and use of a MAST suit. A case report. Guerre EF Jr, et al. **J Reprod Med** 1987 Mar;32(3):230-2

Successful management of post-cesarean-section acute pseudoobstruction of the colon (Ogilvie's syndrome) with colonoscopic decompression. A case report. Moore JG, et al. **J Reprod Med** 1986 Oct;31(10):1001-4

Postoperative complications necessitating right lower lobectomy in a heart-lung transplant recipient with previous sternotomy. Diethrich EB, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):389-92

Poststernotomy mediastinitis treated by omental transfer without postoperative irrigation or drainage. Heath BJ, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):355-60

Circulatory support for right ventricular dysfunction. Jett GK, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):95-103

Long-term results of ventricular assist pumping in postcardiotomy cardiogenic shock. Pae WE Jr, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):434-41

Endourological management of ureteroileal anastomotic strictures: is it effective? Kramolowsky EV, et al. **J Urol** 1987 Mar;137(3):390-4

Endoscopic management of the obliterated ureteroileal anastomosis. Muench PJ, et al. **J Urol** 1987 Feb; 137(2):277-9

Long-term management of bradyarrhythmias following open heart surgery: surgical A-V block and sick sinus syndrome after surgery for secundum atrial septal defects treated with permanent cardiac pacing. Ohnishi S, et al. **Jpn Circ J** 1986 Sep;50(9):903-17

About the treatment of lymphocele [letter] Teruel JL, et al. **Nephron** 1987;45(1):73

The management of subretinal gas following attempted pneumatic retinal reattachment. McDonald HR, et al. **Ophthalmology** 1987 Apr;94(4):319-26

Particularities of dual chamber pacemaker therapy in patients after orthotopic heart transplantation. Markewitz A, et al. **PACE** 1987 Mar;10(2):326-32

Management and timing of cleft palate fistula repair. Schultz RC. **Plast Reconstr Surg** 1986 Dec;78(6):739-47

Refractory afferent loop problems: percutaneous transhepatic management of two cases. Lee LI, et al. **Radiology** 1987 Oct;165(1):49-50

Percutaneous vascular intervention after surgical shunting for portal hypertension. Ruff RJ, et al. **Radiology** 1987 Aug; 164(2):469-74

Mediastinal infection following open-heart surgery. Treatment with retrosternal irrigation. Verkkala K, et al. **Scand J Thorac Cardiovasc Surg** 1986;20(3):203-7

Transluminal balloon dilation of ureteral stricture in a child. A case report. Ivancev K, et al. **Scand J Urol Nephrol** 1987;21(1):75-7

Experience with the esophagogastric devascularization procedure. Barbot DJ, et al. **Surgery** 1987 Jun; 101(6):685-90

Postoperative care and problems in liver transplantation. Grenvik A, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):26-33

Aspects of pediatric intensive care after liver transplantation. Thompson AE. **Transplant Proc** 1987 Aug;19(4 Suppl 3):34-9

Long-term normalization of resistant renal hypertension after embolization of host kidneys in a transplanted patient--a case report. Bonomini V, et al. **Transplantation** 1987 Mar; 43(3):451

Management of obstruction and resultant complications in transplant kidney by endoscopic and percutaneous techniques. Locke JR, et al. **Urology** 1987 Jul;30(1):43-5

[Circulatory crisis and its treatment in toe transplantations] Gu YD, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May; 24(5):257-9, 315 (Eng. Abstr.) **(Chi)**

[Esophagus-dilating technic in the treatment of postoperative anastomotic stricture in esophageal cancer and cardial cancer--a report of 152 cases] Wei GQ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):544-5, 574 (Eng. Abstr.) **(Chi)**

[Hypertension and bleeding from the upper digestive tract secondary to an operation for patent ductus arteriosus] Zhang Q, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul; 24(7):408-9, 446 (Eng. Abstr.) **(Chi)**

[The referral of patients within secondary health services] Molenaar JC. **Ned Tijdschr Geneeskd** 1986 Nov 22; 130(47):2114-5 **(Dut)**

[Value of hemodilution in maxillofacial surgery for postoperative traumatic edema and graft viability] Bonnet MC, et al. **Ann Fr Anesth Reanim** 1986;5(3):243-8 (Eng. Abstr.) **(Fre)**

[Physiopathology of incontinence following treatment of anorectal malformations. Non-surgical treatments] Moscovici J. **Chir Pediatr** 1986;27(5):309-12 (16 ref.) (Eng. Abstr.) **(Fre)**

[Intrabronchial deviation of a stomach tube--a case report] Prenzel E, et al. **Anaesthesiol Reanim** 1987;12(2):115-7 (Eng. Abstr.) **(Ger)**

[Retained gallstones with reference to their nonsurgical treatment] Stauber R, et al. **Chirurg** 1987 Jun;58(6):409-12 (Eng. Abstr.) **(Ger)**

[Fractures of the central midface and frontal skull base--surgical management--postoperative care--possibility of complications] Brunner FX, et al. **HNO** 1987 Mar;35(3):106-11 (Eng. Abstr.) **(Ger)**

[Experiences with a Pseudomonas immunoglobulin in artificially respiraied patients with Pseudomonas pneumonia at a surgical intensive care unit] Böhm D. **Infection** 1987 Jan-Feb;15(1):73-5 (Eng. Abstr.) **(Ger)**

[Use of Pseudomonas immunoglobulin in artificially respirated patients at an interdisciplinary surgical intensive care unit] Class I, et al. **Infection** 1987 Jan-Feb;15(1):76-9 (Eng. Abstr.) **(Ger)**

[Amino acid administration in acute, compensated renal failure in the post-traumatic phase] Bock E. **Infusionsther Klin Ernahr** 1986 Dec;13(6):254-60 (Eng. Abstr.) **(Ger)**

[Redon drainage in the pharynx or esophagus for the prevention of reoperation in postoperative fistulas] Heermann J. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec; 65(12):702 **(Ger)**

[Value of the "Therapeutic Intervention Scoring System" (TISS) in critically ill patients of an internal medicine unit] Schuster HP, et al. **Med Klin** 1986 Feb 28;81(4):117-21 (Eng. Abstr.) **(Ger)**

[Closure of an acquired esophagobronchial fistula with fibrin glue] Flicker M, et al. **Prax Klin Pneumol** 1986 Oct; 40(10):419-21 (Eng. Abstr.) **(Ger)**

[Selective occlusion of a carotid-cavernous sinus fistula following transphenoidal hypophysectomy using a detachable balloon catheter] Lins E, et al. **Rontgenblatter** 1987 Jul;40(7):222-4 (Eng. Abstr.) **(Ger)**

[Removal of a fixed T-drain following detachment by a ring stripper] Schild H, et al. **Rontgenblatter** 1987 Jul; 40(7):232-3 (Eng. Abstr.) **(Ger)**

[Endoscopic management of bronchial stump fistulas with fibrin glue] Straub H, et al. **Z Erkr Atmungsorgane** 1986; 167(1-2):185-9 (Eng. Abstr.) **(Ger)**

[Obstructive jaundice caused by a blood clot--an unusual complication following endoscopic papillotomy] Riemann JF, et al. **Z Gastroenterol** 1987 Apr;25(4):221-4 (Eng. Abstr.) **(Ger)**

[Heart transplantation--postoperative management] Schäfers HJ, et al. **Z Kardiol** 1987 May;76(5):259-68 (Eng. Abstr.) **(Ger)**

[Experience with VVI, QT time and activity-controlled pacemaker systems in patients with tranvenous ablation of atrioventricular conduction] Trappe HJ, et al. **Z Kardiol** 1986 Dec;75(12):737-43 (Eng. Abstr.) **(Ger)**

[A new development: a brassiere for patients with breast amputation] Schwehm B. **Z Lymphol** 1986 Dec;10(2):82 **(Ger)**

[Development and assessment of an artificial pacemaker of the ureter with feedback] Kolesnikow GP, et al. **Z Urol Nephrol** 1987 Jan;80(1):25-9 (Eng. Abstr.) **(Ger)**

[Percutaneous removal of a double pigtail catheter] Udshmadshuridse NS, et al. **Z Urol Nephrol** 1986 Sep; 79(9):525-6 (Eng. Abstr.) **(Ger)**

[Rehabilitation after Girdlestone-like procedure] Zer-Aviv F, et al. **Harefuah** 1987 Jan 15;112(2):65-7 (Eng. Abstr.) **(Heb)**

[Treatment of early postoperative hypotonic polyuria in pituitary surgery] Gargiulo G, et al. **Minerva Anestesiol** 1986 Oct;52(10):325-30 (Eng. Abstr.) **(Ita)**

[Treatment of arterial stenosis of the transplanted kidney with transluminal percutaneous angioplasty] Malfi B, et al. **Minerva Urol Nefrol** 1986 Jul-Sep;38(3):335-9 (Eng. Abstr.) **(Ita)**

[The management of bleeding following transurethral prostatic resection by local irrigation with a thrombin solution] Mitsubayashi S, et al. **Hinyokika Kiyo** 1986 Sep; 32(9):1371-7 (Eng. Abstr.) **(Jpn)**

[Urokinase therapy of recurrent thrombosis of tricuspid prosthetic valve] Nagayoshi M, et al. **Kyobu Geka** 1987 Feb;40(3):244-7 (Eng. Abstr.) **(Jpn)**

[V-A bypass combined with IABP in acute heart failure following open heart surgery] Shimoyama M, et al. **Masui** 1986 Oct;35(10):1565-8 (Eng. Abstr.) **(Jpn)**

[Gastrointestinal bleeding following renal transplantation] Tajima A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;77(7):1115-20 (Eng. Abstr.) **(Jpn)**

[A case treated with broncho-cutaneous stoma for postoperative bronchial stump fistula] Saoyama N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):2002-5 (Eng. Abstr.) **(Jpn)**

[Problems and limitations of the IABP support after open heart surgery] Yamada O, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec;34(12):2033-7 (Eng. Abstr.) **(Jpn)**

[Successful treatment of a newborn infant with Ladd's syndrome complicated by infection] Chernovolenko SA, et al. **Klin Khir** 1987;(6):72-3 **(Rus)**

[Therapeutic endoscopy in patients with choledochoduodenoanastomosis] Vasil'ev IuV, et al. **Klin Med (Mosk)** 1987 Apr;65(4):90–3 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of artificial feeding of surgical patients] Pugaev AV, et al. **Sov Med** 1986;(12):31–8 (Eng. Abstr.) **(Rus)**

[Arrest of profuse hemorrhage following kidney biopsy by embolization of the damaged artery] Kogan AS, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):61–2 **(Rus)**

[Use of ultrasound and sodium chloride baths in the therapy of postoperative complications in patients following prostatic adenomectomy] Nesterov NI, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

[Treatment of recurrent ulcers after vagotomy] Cherniavskiĭ AA, et al. **Vestn Khir** 1987 Jan;138(1):144–7 (48 ref.) **(Rus)**

[Autotransfusion of UV-irradiated blood in the treatment of suppurative peritonitis in children] Levanovich VV, et al. **Vestn Khir** 1986 Jul;137(7):7–10 (Eng. Abstr.) **(Rus)**

[Hemosorption in the complex treatment of diffuse peritonitis] Sagitov RS. **Vestn Khir** 1986 Aug;137(8):112–4 (Eng. Abstr.) **(Rus)**

[Gamma-Venin in the therapy of severe surgical infections] Džinić L, et al. **Med Pregl** 1986;39(3–4):125–7 (Eng. Abstr.) **(Scr)**

[Endo-urology in renal transplantation] Berenguer A, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:215–8 (Eng. Abstr.) **(Spa)**

[Endo-urologic technics in the treatment of complications of renal transplantation] González Martín M, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 2:205–14 (Eng. Abstr.) **(Spa)**

[Postoperative ascariasis of the common bile duct. Endoscopic extraction of the parasite] Sapunar J, et al. **Bol Chil Parasitol** 1986 Jul–Dec;41(3–4):72–8 (Eng. Abstr.) **(Spa)**

[Reconsideration of plasmapheresis treatment of renal post-transplant recurrence of segmental and focal hyalinosis (letter)] Franco A, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):219 **(Spa)**

TRANSMISSION

Nosocomial transmission of a strain of Staphylococcus aureus causing toxic shock syndrome. Kreiswirth BN, et al. **Ann Intern Med** 1986 Nov;105(5):704–7

Leads from the MMWR. Update: Creutzfeldt-Jakob disease in a patient receiving a cadaveric dura mater graft. **JAMA** 1987 Jul 17;258(3):309–10

Leads from the MMWR. Rapidly progressive dementia in a patient who received a cadaveric dura mater graft. **JAMA** 1987 Feb 27;257(8):1036–7

Update: Creutzfeldt-Jakob disease in a patient receiving a cadaveric dura mater graft. **MMWR** 1987 Jun 5; 36(21):324–5

Rapidly progressive dementia in a patient who received a cadaveric dura mater graft. **MMWR** 1987 Feb 6; 36(4):49–50, 55

VETERINARY

Extensive large colon resection in the pony. II. Digestibility studies and postmortem findings. Ducharme NG, et al. **Can J Vet Res** 1987 Jan;51(1):76–82

Incidence, diagnosis and treatment of postoperative complications in colic cases. Hunt JM, et al. **Equine Vet J** 1986 Jul;18(4):264–70

Ileocecocolic intussusception as a sequel to jejunocecostomy in a mare. Schumacher J, et al. **J Am Vet Med Assoc** 1987 Feb 1;190(3):303–4

Complications of blind-stitch abomasopexy: 20 cases (1980–1985). Tithof PK, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1489–92

Acute postoperative diarrhoea in colic horses. Puotunen-Reinert A, et al. **J S Afr Vet Assoc** 1986 Mar; 57(1):5–11

Management of intraoperative and postoperative anesthetic complications in ruminants and swine. Riebold TW. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):665–76 (22 ref.)

Lesions in dogs following renal transplantation and immunosuppression. Crowell WA, et al. **Vet Pathol** 1987 Mar;24(2):124–8

POSTOPERATIVE PERIOD

Oxygen saturation during transfer from operating room to recovery after anaesthesia. Blair I, et al. **Anaesth Intensive Care** 1987 May;15(2):147–50

Anaesthetic-related recovery room complications. Zelcer J, et al. **Anaesth Intensive Care** 1987 May;15(2):168–74

Recovery times [letter] Cundy JM. **Anaesthesia** 1987 Jan; 42(1):89

Ro 15-1788 for postoperative recovery. A randomised clinical trial in patients undergoing minor surgical procedures under midazolam anaesthesia. Wolff J, et al. **Anaesthesia** 1986 Oct;41(10):1001–6

Recovery from propofol infusion as the main agent for outpatient arthroscopy. A comparison with isoflurane. Zuurmond WW, et al. **Anaesthesia** 1987 Apr;42(4):356–9

Comparison of sufentanil–N2O and fentanyl–N2O in patients without cardiac disease undergoing general surgery. Clark NJ, et al. **Anesthesiology** 1987 Feb;66(2):130–5

Airway heating reduces recovery time (cost) in outpatients. Conahan TJ 3d, et al. **Anesthesiology** 1987 Jul;67(1):128–30

PvO2 changes in cutaneous veins during regression of spinal anaesthesia. Kim JM, et al. **Can J Anaesth** 1987 Jul; 34(4):358–61

The postanesthetic period. Complications. Malamed SF. **Dent Clin North Am** 1987 Jan;31(1):139–49

Hand grip force as an assessment of recovery from neuromuscular block. Russell WJ, et al. **J Clin Monit** 1987 Apr;3(2):87–9

[Toward a surgical day-care hospital. IV. The role of the size of the tracing points in the quantification of Newman's test] Weber B, et al. **Agressologie** 1986 May;27(5):427–9 (Eng. Abstr.) **(Fre)**

[Prolonged sedation with propofol in resuscitation. Recovery and pharmacokinetic study. Preliminary results] Beller JP, et al. **Ann Fr Anesth Reanim** 1987;6(4):334–5 **(Fre)**

[Propofol versus methohexital in the surgery of the spinal canal] Destribats B, et al. **Ann Fr Anesth Reanim** 1987; 6(4):301–5 (Eng. Abstr.) **(Fre)**

[Comparative study of anesthesia and recovery with propofol and enflurane in cervical surgery] Gindre B, et al. **Ann Fr Anesth Reanim** 1987;6(4):277–9 (Eng. Abstr.) **(Fre)**

[Comparison of the clinical effects of propofol and methohexital in induced abortion] Payen JF, et al. **Ann Fr Anesth Reanim** 1987;6(4):293–6 (Eng. Abstr.) **(Fre)**

[Recovery after anesthesia with propofol in otorhinolaryngologic surgery of brief duration] Queruel P, et al. **Ann Fr Anesth Reanim** 1987;6(4):273–6 (Eng. Abstr.) **(Fre)**

[A legal decision with serious consequences] **Can Anesthesiol** 1986 Jun–Jul;34(4):347–9 **(Fre)**

[Comparative study of recovery after methohexital and thiopental anesthesia] Kurtz M, et al. **Can Anesthesiol** 1987 May–Jun;35(3):171–5 **(Fre)**

POSTOPERATIVE WOUND INFECTION see **SURGICAL WOUND INFECTION**

POSTOVULATORY PHASE see **LUTEAL PHASE**

POSTPARTUM PERIOD see **PUERPERIUM**

POSTPERICARDIOTOMY SYNDROME see under **HEART DISEASES**

POSTPHLEBITIC DISEASE see **POSTPHLEBITIC SYNDROME**

POSTPHLEBITIC SYNDROME

COMPLICATIONS

[Ankylosis of the ankle and intractable post-phlebitic ulcer] Guenneguez H, et al. **Phlebologie** 1987 Apr–Jun;40(2):331–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Venous leg ulcers. The post-phlebitic syndrome. Heng MC. **Int J Dermatol** 1987 Jan–Feb;26(1):14–21

Distribution of venous valvular incompetence in patients with the postphlebitic syndrome [letter] Raju S. **J Vasc Surg** 1986 Nov;4(5):536–7

[Diagnosis and therapy of post-thrombotic syndrome] Bollinger A. **Internist (Berlin)** 1987 May;28(5):344–55 **(Ger)**

[Diagnostic sensitivity of sonography in varicose and post-thrombotic venous insufficiency] Petter O, et al. **Z Hautkr** 1987 Jan 1;62(1):12–27 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Synthetic Diosmin in the therapy of venous diseases. Signorelli S, et al. **Panminerva Med** 1987 Apr–Jun; 29(2):165–7

[Efficacy of O-(beta-hydroxyethyl)-rutosides in the treatment of venous leg ulcers] Stegmann W, et al. **Phlebologie** 1987 Jan–Mar;40(1):149–56 (Eng. Abstr.) **(Fre)**

[Value of venoactive substances in phlebology. Treatment of varicose veins and post-thrombotic syndrome] Rudofsky G. **Fortschr Med** 1986 Dec 18;104(47–48):963–4 **(Ger)**

[Therapeutic activity of oral mesoglycan in venous disease. A clinical and blood coagulation evaluation] Bracale GC, et al. **Minerva Med** 1986 Oct 27;77(41):1919–25 **(Ita)**

[Effect of mesoglycan sulfate in primary varices and post-thrombotic syndrome. An evaluation using strain gauge plethysmography] Cospite M, et al. **Minerva Med** 1986 Oct 20;77(40):1893–8 **(Ita)**

[Cutaneous clinical and oximetric findings on the activity mesoglycan, administered per os (100 mg/die), in venous dermatitis] Petruzzellis V, et al. **Minerva Med** 1986 Oct 27;77(41):1911–3 **(Ita)**

ETIOLOGY

Venous injury: to repair or ligate, the dilemma [letter] Taheri SA. **J Vasc Surg** 1987 Jul;6(1):99

OCCURRENCE

[Postphlebitic syndrome in a selected population of the Bródno district of Warsaw] Andziak P, et al. **Pol Tyg Lek** 1986 Dec 15;41(50):1575–8 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Can thrombolytics prevent post-phlebitic syndrome and thrombo-embolic disease? Trübestein G. **Haemostasis** 1986; 16 Suppl 3:38–50

[Fibrinolytic therapy of deep venous thromboses. Prevention of post-thrombotic syndrome in the area of the pelvis and leg] Theiss W. **Fortschr Med** 1986 Aug 14;104(30):575–8 (Eng. Abstr.) **(Ger)**

[Mass screening of patients with a history of acute thrombosis of the deep veins of the lower extremities] Konstantinova GD. **Khirurgiia (Mosk)** 1987 Jun;(6):73–7 **(Rus)**

PSYCHOLOGY

Münchausen's syndrome presenting with postphlebitic syndrome. Zuber TJ, et al. **West J Med** 1986 Aug; 145(2):239–42

RADIOGRAPHY

Radiological evaluation of the chronic venous stasis syndrome. Train JS, et al. **JAMA** 1987 Aug 21;258(7):941–4

RADIONUCLIDE IMAGING

[Phleboscintigraphy in the diagnosis of diseases of leg veins] Koroliuk IP, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):24–8 (Eng. Abstr.) **(Rus)**

SURGERY

[Surgical treatment of sequelae of phlebitis] Langeron P. **Ann Med Interne (Paris)** 1986;137(6):523–9 (Eng. Abstr.) **(Fre)**

[Surgical treatment of venous diseases] Hauer G. **Fortschr Med** 1987 Jun 20;105(21):407–11 (Eng. Abstr.) **(Ger)**

[Possibilities for vascular reconstruction in the post-thrombotic syndrome] Brunner U. **Langenbecks Arch Chir** 1986;369:609–14 (Eng. Abstr.) **(Ger)**

[Surgical tactics in post-thrombophlebitic disease of the lower extremities (I: Principles)] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):65–70 (Eng. Abstr.) **(Rus)**

[Surgical correction of microcirculatory disorders in patients with varicose veins and post-thrombophlebitic syndrome] Kurguzov OP, et al. **Klin Med (Mosk)** 1986 Oct; 64(10):66–72 (Eng. Abstr.) **(Rus)**

[Endoscopic correction of crural venous blood flow] Nagovitsyn ES, et al. **Vestn Khir** 1986 Nov;137(11):48–51 (Eng. Abstr.) **(Rus)**

[Postphlebitic syndrome in geriatric practice] Sokol BG, et al. **Vestn Khir** 1987 Mar;138(3):74–5 **(Rus)**

[The role of surgery in the treatment of postphlebitic disease of the legs] Perrin M. **Angiologia** 1987 Jul–Aug;39(4):161–5 (Eng. Abstr.) **(Spa)**

THERAPY

Sequential and graded intermittent pneumatic compression device for treatment of swollen limbs. Pekanmäki K, et al. **Biomed Tech (Berlin)** 1987 Mar;32(3):50–4

[Long-term normovolemic hemodilution in refractory postphlebitic ulcers] Duruble M, et al. **Ann Fr Anesth Reanim** 1986;5(3):237–42 (Eng. Abstr.) **(Fre)**

[Crenotherapy of postphlebitic disease at Bagnoles-de-l'Orne studied by occlusive rheoplethysmography] Poirault F, et al. **Phlebologie** 1986 Oct–Dec;39(4):979–93 (Eng. Abstr.) **(Fre)**

POSTPHLEBITIC ULCER see **POSTPHLEBITIC SYNDROME**

POSTURE

see related

KINESICS

Compensation effect of visual biofeedback in upright posture control. Hlavačka F, et al. **Act Nerv Super (Praha)** 1986 Sep;28(3):191–6

Individual relationship between heart rate and electromechanic systole in orthostatic test during autonomic blockade. Mäntysaari M, et al. **Acta Cardiol (Brux)** 1986;41(4):271–81

Pneumocephalus and tension pneumocephalus after posterior fossa surgery in the sitting position: a prospective study. Di Lorenzo N, et al. **Acta Neurochir (Wien)** 1986; 83(3–4):112–5

Acute paralysis of the peroneal nerve following squatting position. Anzola GP, et al. **Acta Neurol Belg** 1987 Mar–Apr;87(2):88–90

Muscular synergies during different conditions of postural activity. Gantchev GN, et al. **Acta Physiol Pharmacol Bulg** 1986;12(4):58–65

Fast voluntary trunk flexion movements in standing: motor patterns. Oddsson L, et al. **Acta Physiol Scand** 1987 Jan;

129(1):93–106
Fast voluntary trunk flexion movements in standing: primary movements and associated postural adjustments. Oddsson L, et al. **Acta Physiol Scand** 1986 Nov;128(3):341–9
The subjective vertical as a function of visual and extraretinal cues. Mittelstaedt H. **Acta Psychol (Amst)** 1986 Dec; 63(1–3):63–85
Irradiation of the thoracic esophagus. Prone versus supine treatment positions. Vijayakumar S, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):187–9
Postural adjustments associated with rapid voluntary arm movements in patients with Parkinson's disease. Bazalgette D, et al. **Adv Neurol** 1987;45:371–4
Coordination of manual, postural, and locomotor movements during simple goal–directed motor tasks in parkinsonian off and on states. Ingvarsson P, et al. **Adv Neurol** 1987; 45:375–82
Serum norepinephrine response to standing in patients with Parkinson's disease. Turkka JT, et al. **Adv Neurol** 1987; 45:259–61
Postural stability and Colles' fracture. Crilly RG, et al. **Age Ageing** 1987 May;16(3):133–8
Posturography measuring instability in vestibular dysfunction in the elderly. Norre ME, et al. **Age Ageing** 1987 Mar; 16(2):89–93
On the path length of postural sway. Carroll J. **Agressologie** 1986 May;27(5):431–2
The push–up view: a superior cross–table lateral projection for cervical myelography. Reicher MA, et al. **AJNR** 1986 Sep–Oct;7(5):899–900
Head–hanging CT: an alternative method for evaluating traumatic CSF rhinorrhea. Rothfus WE, et al. **AJNR** 1987 Jan–Feb;8(1):155–6
The reverse lordotic view for visualization of the lung bases [letter] Gehl JJ, et al. **AJR** 1987 Mar;148(3):651–2
Detection of pleural effusion on supine chest radiographs [letter] Woodring JH. **AJR** 1987 Oct;149(4):858–9
A computer–aided system to evaluate postural stress in the workplace. Keyserling WM. **Am Ind Hyg Assoc J** 1986 Oct;47(10):641–9
Anatomic and functional significance of a hypotensive response during supine exercise radionuclide ventriculography. Gibbons RJ, et al. **Am J Cardiol** 1987 Jul 1;60(1):1–4
Effects of upright posture on anterograde and retrograde atrioventricular conduction in patients with coronary artery disease, mitral valve prolapse or no structural heart disease. Mann DE, et al. **Am J Cardiol** 1987 Sep 1; 60(7):625–9
Effects of positional changes on inferior vena caval size and dynamics and correlations with right–sided cardiac pressure. Nakao S, et al. **Am J Cardiol** 1987 Jan 1; 59(1):125–32
Color Doppler assessment of mitral regurgitation induced by supine exercise in patients with coronary artery disease. Zachariah ZP, et al. **Am J Cardiol** 1987 Jun 1; 59(15):1266–70
Intraocular and episcleral venous pressure increase during inverted posture. Friberg TR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):523–6
Relationships among walking performance, postural stability, and functional assessments of the hemiplegic patient. Dettmann MA, et al. **Am J Phys Med** 1987 Apr;66(2):77–90
Cardiovascular and endocrine responses to head–up tilt and vasopressin infusion in humans. Bie P, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R735–41
Renal nerves and renal responses to head–up tilt in dogs. Peterson TV, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R979–86
The prone position improves arterial oxygenation and reduces shunt in oleic–acid–induced acute lung injury. Albert RK, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):628–33
Changes in pharyngeal cross–sectional area with posture and application of continuous positive airway pressure in patients with obstructive sleep apnea. Brown IB, et al. **Am Rev Respir Dis** 1987 Sep;136(3):628–32
Mechanism of the postural dependence of vital capacity in tetraplegic subjects. Estenne M, et al. **Am Rev Respir Dis** 1987 Feb;135(2):367–71
Orthodeoxia: a new finding in interstitial fibrosis. Tenholder MF, et al. **Am Rev Respir Dis** 1987 Jul;136(1):170–3
Unilateral pulmonary oedema/atelectasis in the lateral decubitus position. Baraka A, et al. **Anaesthesia** 1987 Feb; 42(2):171–4
Dependent PEEP during two–lung ventilation in the lateral decubitus position. Baraka A, et al. **Anesth Analg** 1987 Apr; 66(4):347–50
Subarachnoid block: two for the price of one? [letter] Buchanan B. **Anesthesiology** 1987 Feb;66(2):254–5
What is the correct position of the neck for rapid sequence induction in the patient with a "full stomach"? [letter] Goldberg JS. **Anesthesiology** 1987 Apr;66(4):588
Venous air embolism and cardiac arrest during craniectomy in a supine infant. Harris MM, et al. **Anesthesiology** 1986 Nov;65(5):547–50
Shoulder supports revisited [letter] Wattiez C, et al. **Anesthesiology** 1987 Apr;66(4):589
Evaluation of the "tilt test" in children.Fuchs SM, et al. **Ann Emerg Med** 1987 Apr;16(4):386–90
Elevation in hypothalamic cyclic AMP as a common factor in the facilitation of lordosis in rodents: a working hypothesis. Beyer C, et al. **Ann NY Acad Sci** 1986; 474:270–81 (130 ref.)
The ETHAN syndrome. Isenberg SJ, et al. **Ann Ophthalmol** 1986 Dec;18(12):358–61, 365
Nystagmus of paroxysmal positional vertigo: some new insights. Katsarkas A. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):305–8
Constrained postures and the design of keyboard for VDT work. Nakaseko M. **Ann Physiol Anthropol** 1985 Oct; 4(4):322–4
Evaluation of resting and working postures from the viewpoint of local muscle energy metabolic rate. Yokoyama S. **Ann Physiol Anthropol** 1985 Oct;4(4):309–14
Positioning questioned [letter] McCallum SL. **AORN J** 1987 Sep;46(3):402–4
Patient positioning. Applying the nursing process. Miner D. **AORN J** 1987 May;45(5):1117–27
Optic nerve dysfunction during gravity inversion. Visual field abnormalities. Sanborn GE, et al. **Arch Ophthalmol** 1987 Jun;105(6):774–6
Branch retinal–vein occlusion following body inversion [letter] Witteman GJ. **Arch Ophthalmol** 1987 Jun;105(6):752
Lower–limb influence on sitting balance while reaching forward. Chari VR, et al. **Arch Phys Med Rehabil** 1986 Oct;67(10):730–3
Automated sphygmomanometer in spinal cord injured patients during head–up tilt: an evaluation. Hammond MC, et al. **Arch Phys Med Rehabil** 1987 Jul;68(7):430–3
Spinal pain made worse by recumbency: a clue to spinal cord tumors. Nicholas JJ, et al. **Arch Phys Med Rehabil** 1986 Sep;67(9):598–600
Sitting pressure–time patterns in patients with quadriplegia. Patterson RP, et al. **Arch Phys Med Rehabil** 1986 Nov; 67(11):812–4
Crush syndrome due to limb compression. Kikta MJ, et al. **Arch Surg** 1987 Sep;122(9):1078–81
Postural deviation evoked by caloric stimulation during upright standing in man. Kanaya T, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S75–80
The influence of eye movements and tactile information on postural sway in patients with peripheral vestibular lesions. Kotaka S, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S153–9
Neuro–otological study of positional vertigo caused by head injury. Saito Y, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S69–73
Erect angiography and the thoracic outlet syndrome. Gray A, et al. **Australas Radiol** 1986 Nov;30(4):307–9
Vital capacity and airflow measured from partial flow–volume curves during 5 degrees head–down tilt. Dikshit MB, et al. **Aviat Space Environ Med** 1987 Apr; 58(4):343–6
Decrement in postural control during mild hypobaric hypoxia. Fraser WD, et al. **Aviat Space Environ Med** 1987 Aug;58(8):768–72
Low back pain in the AH–1 Cobra helicopter. Froom P, et al. **Aviat Space Environ Med** 1987 Apr;58(4):315–8
Orthostatic tolerance and aerobic capacity. Länsimies EA, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1158–64
The effects of head–down tilt on carotid blood flow and pulmonary gas exchange. Loeppky JA, et al. **Aviat Space Environ Med** 1987 Jul;58(7):637–44
Cardiovascular dynamics during the initial period of head–down tilt. Tomaselli CM, et al. **Aviat Space Environ Med** 1987 Jan;58(1):3–8
Intratympanic injection of sodium arsanilate (atoxyl) solution results in postural changes consistent with changes described for labyrinthectomized rats. Hunt MA, et al. **Behav Neurosci** 1987 Jun;101(3):427–8
Morphine subtracts subcomponents of haloperidol–isolated postural support reflexes to reveal gradients of their integration. Pellis SM, et al. **Behav Neurosci** 1986 Oct; 100(5):631–46
Simulation studies on the control of posture and movement in a multi–jointed limb. Lacquaniti F, et al. **Biol Cybern** 1986;54(6):367–78
Peripherally detectable hormones—their relation to the increased uterine activity during standing in pregnant women. von Mandach U, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):7–12
Does the arterial baroreflex control the initial heart rate response to standing? Rossberg F, et al. **Biomed Biochim Acta** 1987;46(4):K9–12
Biomechanics of golf swing and a comparison of club handle design. Chao EY, et al. **Biomed Sci Instrum** 1987;23:23–7
Influence of peripheral afferents on nervous structures involved in the postural control. Licata F, et al. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1487–94
Adjustments of posture accompanying voluntary movements. Normal and pathological aspects. Massion J, et al. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1471–8
Effect of gravity on the spread of extradural anaesthesia for caesarean section. Norris MC, et al. **Br J Anaesth** 1987 Mar;59(3):338–41
Effect of posture during the induction of subarachnoid analgesia for caesarean section. Right v. left lateral. Russell IF. **Br J Anaesth** 1987 Mar;59(3):342–6
The effects of food and posture on the pharmacokinetics of a biphasic release preparation of nifedipine. Challenor V, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):565–70
Effect of posture on glyceryl trinitrate plasma concentrations following transdermal application. Heidemann R, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):246–7
Practice, problems and compliance with postural drainage: a survey of chronic sputum producers. Currie DC, et al. **Br J Dis Chest** 1986 Jul;80(3):249–53
Pain after laparoscopy related to posture and ring versus clip sterilization. Dobbs FF, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):262–6
Tardive dystonia and Pisa syndrome [letter] Saxena S. **Br J Psychiatry** 1986 Oct;149:524
Postural change and straining induced by distension of the rectum, vagina and urinary bladder of decerebrate dogs. Fukuda H, et al. **Brain Res** 1986 Aug 20;380(2):276–86
Selective mechanical stimulation of an identified proprioceptor in freely moving locusts: role of resistance reflexes in active posture. Zill SN. **Brain Res** 1987 Aug 4;417(1):195–8
On the requirement of postural asymmetry for rotational behaviour. Kilpatrick IC. **Brain Res Bull** 1986 Aug; 17(2):275–7
Ventilatory consequences of the lateral position and thoracotomy in children. Larsson A, et al. **Can J Anaesth** 1987 Mar;34(2):141–5
The la–z–boy position and muscle blood flow in the lower limbs. Gately JF, et al. **Can J Surg** 1986 Sep;29(5):367–8
Body position and ventilation–perfusion relationships in unilateral pulmonary disease. Gillespie DJ, et al. **Chest** 1987 Jan;91(1):75–9
Influence of furosemide and body posture on transthoracic electrical impedance in AMI. Larsen F, et al. **Chest** 1986 Nov;90(5):733–7
The renal, forearm, and hormonal responses to standing in the presence and absence of propranolol. Bakris GL, et al. **Circulation** 1986 Nov;74(5):1061–5
Cardiovascular and neurohumoral postural responses and baroreceptor abnormalities during a course of adjunctive vasodilator therapy with felodipine for congestive heart failure. Kassis E, et al. **Circulation** 1987 Jun;75(6):1204–13
Position as a variable for cardiovascular responses during exercise. Cotsamire DL, et al. **Clin Cardiol** 1987 Mar; 10(3):137–42
The hemodynamic and humoral responses to tilting in diabetic patients on chronic hemodialysis treatment. Hirakata H, et al. **Clin Nephrol** 1987 Jun;27(6):298–303
Hypotension in end–stage renal disease: effect of postural change, exercise and angiotensin II infusion on blood pressure and plasma concentrations of angiotensin II, aldosterone and arginine vasopressin in hypotensive patients with chronic renal failure treated by dialysis. Sørensen SS, et al. **Clin Nephrol** 1986 Dec;26(6):288–96
Maternal positioning to prevent or alleviate dystocia in labor. Fenwick L, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):83–9 (13 ref.)
Apparent changes in the alignment of the femoral component in hip arthroplasties associated with limb positioning. Goodman S, et al. **Clin Orthop** 1987 Aug;(221):242–5
Vestibulospinal function in two syndromes with spontaneous attacks of vertigo: evaluation by posturography. Norré ME, et al. **Clin Otolaryngol** 1987 Jun;12(3):215–20
Effects of triglycyl–lysine–vasopressin on cardiovascular responses to orthostatic stress. Baer R, et al. **Clin Physiol** 1987 Aug;7(4):329–35
Circulatory response to postural change in healthy male subjects in relation to age. Dambrink JH, et al. **Clin Sci** 1987 Mar;72(3):335–41
Effect of posture on plasma immunoreactive atrial natriuretic peptide concentrations in man. Solomon LR, et al. **Clin Sci** 1986 Sep;71(3):299–305
Effect of dietary sodium chloride and posture on plasma immunoreactive atrial natriuretic peptide concentrations in man. Solomon LR, et al. **Clin Sci** 1987 Feb;72(2):201–8
The effects of posture on the metabolic and ventilatory response to low level steady state exercise. Weissman C, et al. **Clin Sci** 1986 Nov;71(5):553–8
Nitroglycerin–induced decrease of carbon monoxide diffusion capacity in acute myocardial infarction reversed by elevating legs. Rocha P, et al. **Crit Care Med** 1987 Feb; 15(2):131–3
Adjustment of the seated workplace—with special reference to heights and inclinations of seat and table. Bendix T. **Dan Med Bull** 1987 Jun;34(3):125–39
Standing to lying heart rate variation. A new simple test in the diagnosis of diabetic autonomic neuropathy. Bellavere F, et al. **Diabetic Med** 1987 Jan–Feb;4(1):41–3
Postural neck reflexes involving the lower limb extensor motoneurons in man. Rossi A, et al. **Electromyogr Clin Neurophysiol** 1987 Jun–Jul;27(4):195–201
Effects of static tilt on human spinally mediated myotatic reflexes assessed by H–reflex testing. Szturm T, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep; 26(5–6):401–13
The tonic vibration reflex of the musculus quadriceps femoris can be used to measure the change in tonus of the postural type. Vermeersch D, et al. **Electromyogr Clin Neurophysiol** 1986 Oct–Nov;26(7):481–7
Preferred line of sight angle. Kroemer KH, et al. **Ergonomics** 1986 Sep;29(9):1129–34
Psychophysical lifting capabilities for overreach heights. Mital A, et al. **Ergonomics** 1987 Jun;30(6):901–9
A study stressing the need for a static postural force model for work analysis. Rohmert W, et al. **Ergonomics** 1986 Oct; 29(10):1235–49
Relation between overhead work and complaints of pear and

apple orchard workers. Sakakibara H, et al. **Ergonomics** 1987 May;30(5):805–15

Effects of changes in sitting work posture on static neck and shoulder muscle activity. Schüldt K, et al. **Ergonomics** 1986 Dec;29(12):1525–37

Generation of muscle tension additional to postural muscle load. Westgaard RH, et al. **Ergonomics** 1987 Jun; 30(6):911–23

Effect of posture on arterial baroreflex control of heart rate in humans. Harrison MH, et al. **Eur J Appl Physiol** 1986; 55(4):367–73

The effects of body position and exercise on plasma volume dynamics. Pivarnik JM, et al. **Eur J Appl Physiol** 1986; 55(4):450–6

Relative effects of the supine posture and of immersion on the renin aldosterone system at rest and during exercise. Wolf JP, et al. **Eur J Appl Physiol** 1987;56(3):345–9

Activity in torso muscles during relaxed standing. Woodhull–McNeal AP. **Eur J Appl Physiol** 1986; 55(4):419–24

The effect of posture on the pharmacokinetics of intravenous benzylpenicillin. Rumble RH, et al. **Eur J Clin Pharmacol** 1986;30(6):731–4

Cardiovascular dynamics in relation to presentation and postural changes in normal fetuses. Luterkort M, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):13–22

The value of the forced expiration technique with and without postural drainage in adults with cystic fibrosis. Verboon JM, et al. **Eur J Respir Dis** 1986 Sep;69(3):169–74

Aerobic fitness, endurance training, and orthostatic intolerance. Convertino VA. **Exerc Sport Sci Rev** 1987; 15:223–59 (134 ref.)

Dynamic posture analysis of Spacelab–1 crew members. Anderson DJ, et al. **Exp Brain Res** 1986;64(2):380–91

Suppression of visually evoked postural responses. Bronstein AM. **Exp Brain Res** 1986;63(3):655–8

Forward and backward axial synergies in man. Crenna P, et al. **Exp Brain Res** 1987;65(3):538–48

Visual, vestibular and voluntary contributions to human head stabilization. Guitton D, et al. **Exp Brain Res** 1986; 64(1):59–69

Development of postural control in children: short–, medium–, and long latency EMG responses of leg muscles after perturbation of stance. Haas G, et al. **Exp Brain Res** 1986;64(1):127–32

M.I.T./Canadian vestibular experiments on the Spacelab–1 mission: 5. Postural responses following exposure to weightlessness. Kenyon RV, et al. **Exp Brain Res** 1986; 64(2):335–46

Effects of arm acceleration and behavioral conditions on the organization of postural adjustments during arm flexion. Lee WA, et al. **Exp Brain Res** 1987;66(2):257–70

Automatic postural responses in the cat: responses of proximal and distal hindlimb muscles to drop of support from a single hind– or forelimb. Rushmer DS, et al. **Exp Brain Res** 1987;65(3):527–37

Postural changes in cardiac volumes in men in relation to adult age. Rodeheffer RJ, et al. **Exp Gerontol** 1986; 21(4–5):367–78

Age–sex class differences in the positional behaviour of the Sumatran orang–utan (Pongo pygmaeus abelii) in the Gunung Leuser National Park, Indonesia. Sugardjito J, et al. **Folia Primatol (Basel)** 1986;47(1):14–25

Postural influences on urinary incontinence in the elderly. Eastwood HD. **Gerontology** 1986;32(4):207–10

Pitfalls in blood sampling. Influence of posture and venous occlusion time. Ernst E, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):263–5

Systemic blood pressure in various lateral recumbent positions: a pilot study. Clochesy JM. **Heart Lung** 1986 Nov;15(6):593–4

Effect of sidelying positions on pulmonary artery pressures. Keating D, et al. **Heart Lung** 1986 Nov;15(6):605–10

Orthostatic heart rates and blood pressures in healthy young women and men. Moore KI, et al. **Heart Lung** 1986 Nov; 15(6):611–7

An EMG analysis of posterior trunk musculature during flat and anteriorly inclined sitting. Soderberg GL, et al. **Hum Factors** 1986 Aug;28(4):483–91

Importance of the visual cortex for postural stabilization: inferences from pigeon and frog data. Straube A, et al. **Hum Neurobiol** 1987;6(1):39–43

Tilt test in essential hypertension. Differential responses in heart rate and vascular resistance. London GM, et al. **Hypertension** 1987 Jul;10(1):29–34

Maximum likelihood identification of a posture control system. Ishida A, et al. **IEEE Trans Biomed Eng** 1987 Jan; 34(1):1–5

Aging and posture control: changes in sensory organization and muscular coordination. Woollacott MH, et al. **Int J Aging Hum Dev** 1986;23(2):97–114

Haemoconcentration and accumulation of white cells in the feet during venous stasis. Moyses C, et al. **Int J Microcirc Clin Exp** 1987;5(4):311–20

Effects of posture on cardiac dynamics during visual search. Harrell JP, et al. **Int J Psychophysiol** 1987 May;5(1):19–23

CT measurement of lung density: the role of patient position and value for total body irradiation. Lagrange JL, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):941–4

Improving oxygenation using the prone position [letter] Manara AR, et al. **Intensive Care Med** 1987;13(3):218–9

Effect of body position on intraocular pressure and aqueous flow. Carlson KH, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1346–52

Prevalence of postural T wave changes in mitral valve prolapse: a quantitative study. Lewis BS, et al. **Isr J Med Sci** 1986 Dec;22(12):873–6

Posture and MPD [letter] Bryant RW, et al. **J Am Dent Assoc** 1987 Jun;114(6):762,764

The relationship of posture to myofascial pain dysfunction syndrome. Darlow LA, et al. **J Am Dent Assoc** 1987 Jan; 114(1):73–5

Stressing the postural response. A quantitative method for testing balance. Wolfson LI, et al. **J Am Geriatr Soc** 1986 Dec;34(12):845–50

Spasmus nutans: a pediatric enigma. Skorin L Jr, et al. **J Am Optom Assoc** 1986 Dec;57(12):893–4

Is proper body positioning OMT? [letter] Lee RP. **J Am Osteopath Assoc** 1986 Sep;86(9):537–8

Effect of posture on vital capacity. Appel M, et al. **J Appl Physiol** 1986 Nov;61(5):1882–4

Validation of esophageal balloon technique at different lung volumes and postures. Baydur A, et al. **J Appl Physiol** 1987 Jan;62(1):315–21

Triangularis sterni muscle use in supine humans. De Troyer A, et al. **J Appl Physiol** 1987 Mar;62(3):919–25

Effect of position and lung volume on upper airway geometry. Fouke JM, et al. **J Appl Physiol** 1987 Jul; 63(1):375–80

Thoracic pressure and nasal patency. Singh V. **J Appl Physiol** 1987 Jan;62(1):91–4

Design and simulation of closed–loop electrical stimulation orthoses for restoration of quiet standing in paraplegia. Jaeger RJ. **J Biomech** 1986;19(10):825–35

The influence of foot position on standing balance. Kirby RL, et al. **J Biomech** 1987;20(4):423–7

Relationship between lordosis and the position of the centre of reaction of the spinal disc. Gracovetsky SA, et al. **J Biomed Eng** 1987 Jul;9(3):237–48

Measurement of the shape of the surface of the back in patients with scoliosis. The standing and forward–bending positions. Stokes IA, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):203–11

Effect of upright posture on the aldosterone responses to dopamine, metoclopramide, angiotensin II, and adrenocorticotropin. Malchoff CD, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):203–7

Neural control of a cyclic postural behavior in the crayfish, Procambarus clarkii: the pattern–initiating interneurons. Moore D, et al. **J Comp Physiol [A]** 1987 Feb;160(2):169–79

Effects of immediate introduction of indirect vision on performance and posture. Boyd MA, et al. **J Dent Educ** 1987 Feb;51(2):98–101

Postural asphyxia as a cause of death in sudden infant death syndrome. Simson LR Jr, et al. **J Forensic Sci** 1977 Jan; 22(1):178–87

The effect of age on hemodynamic response to graded postural stress in normal men. Smith JJ, et al. **J Gerontol** 1987 Jul;42(4):406–11

The interest of collateral activities in ergonomics. Delvolvé N. **J Hum Ergol (Tokyo)** 1986 Jun;15(1):35–45

Posture– and emotion–induced severe hypertensive paroxysms with baroreceptor dysfunction. Kuchel O, et al. **J Hypertens** 1987 Jun;5(3):277–83

Atrial natriuretic factor in normal man: effects of tilt, posture, exercise and haemorrhage. Hodsman GP, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S503–5

Frequency/amplitude characteristics of postural tremor of the hands in a population of patients with bilateral essential tremor: implications for the classification and mechanism of essential tremor. Calzetti S, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):561–7

An electromyographic study of the abdominal muscles during postural and respiratory manoeuvres. Goldman JM, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):866–9

A system for the analysis of posture and stance in quadrupeds. Macpherson JM, et al. **J Neurosci Methods** 1987 May; 20(1):73–82

Cerebral perfusion pressure, intracranial pressure, and head elevation. Rosner MJ, et al. **J Neurosurg** 1986 Nov; 65(5):636–41

Effect of patient positioning on liver size estimation. Jackson ML, et al. **J Nucl Med** 1986 Oct;27(10):1632–4

Transient bilateral peroneal palsy in a painter's model. Mendel F, et al. **J Occup Med** 1987 Feb;29(2):109–11

The sleep–wear syndrome. Colquitt T. **J Prosthet Dent** 1987 Jan;57(1):33–41

TcPO2, venous ulceration and position changes [letter] Dodd HJ, et al. **J R Soc Med** 1986 Nov;79(11):686–7

The effect of lateral and dorsal recumbency on cardiopulmonary function in the anaesthetised horse. Stegmann GF, et al. **J S Afr Vet Assoc** 1987 Mar;58(1):21–7

Bilateral compartmental syndrome after prolonged surgery in the lithotomy position. Khalil IM. **J Vasc Surg** 1987 Jun;5(6):879–81

Decrease in blood pressure and increase in total peripheral vascular resistance in supine resting subjects with normotension or essential hypertension. Aoki K, et al. **Jpn Heart J** 1986 Jul;27(4):467–74

Abnormality of circulatory reflex and aldosterone response during head–up tilting in patients with primary aldosteronism. Suzuki S, et al. **Jpn Heart J** 1986 Nov; 27(6):859–64

Experimental analyses of pulmonary gas exchange in a standing position at rest and during treadmill exercise. Shibuya I, et al. **Jpn J Physiol** 1987;37(2):303–20

Postural body sway and exposure to high–energy impulse noise. Juntunen J, et al. **Lancet** 1987 Aug 1;2(8553):261–4

Head–down tilt as a physiological diuretic in normal controls and in patients with fluid–retaining states. Karnad DR, et al. **Lancet** 1987 Sep 5;2(8558):525–8

Postural behaviour of intraocular pressure. Singh M, et al. **Med J Malaysia** 1986 Mar;41(1):38–43

Aerobic fitness does not contribute to prediction of orthostatic intolerance. Convertino VA, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):551–6

Assessment of the hemodynamic response to single passive head up tilt by non–invasive methods in normotensive subjects. de Mey C, et al. **Methods Find Exp Clin Pharmacol** 1986 Jul;8(7):449–57

Postural adjustments preceding rapid arm movements in parkinsonian subjects. Rogers MW, et al. **Neurosci Lett** 1987 Mar 31;75(2):246–51

Knee–chest position [letter] Epstein NE, et al. **Neurosurgery** 1987 Mar;20(3):503–4

New kneeling attachment and cushioned face rest for spinal surgery. Ray CD. **Neurosurgery** 1987 Feb;20(2):266–9

Effect of the birth chair on duration of second stage labor and maternal outcome. Cottrell BH, et al. **Nurs Res** 1986 Nov–Dec;35(6):364–7

The back is a crane [letter] Steptoe M. **NZ Med J** 1986 Oct 22;99(812):817

Effects of sitting position on uterine activity during labor. Chen SZ, et al. **Obstet Gynecol** 1987 Jan;69(1):67–73

Maternal position during parturition in normal labor [letter] Hadi HA. **Obstet Gynecol** 1987 May;69(5):831–2

Newer heavy load lifting methods help firms reduce back injuries. Hebert L, et al. **Occup Health Saf** 1987 Feb; 56(2):57–60

Effect of body position, epinephrine, and a surface–tension–lowering substance on the eustachian tube opening in the rat. Malm L, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):138–44

Posture switching for prolonging functional electrical stimulation standing in paraplegic patients. Kraji A, et al. **Paraplegia** 1986 Aug;24(4):221–30

Orthostatic heart rate and arterial blood pressure changes in normovolemic children. Castro W, et al. **Pediatr Emerg Care** 1985 Sep;1(3):123–7

Met–enkephalin–induced release into the blood of a factor causing postural asymmetry. Bakalkin GYa, et al. **Peptides** 1986 Jul–Aug;7(4):551–6

Sleep positions and postural shifts in elderly persons. Lorrain D, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):352–4

Head–erect behavior among three preschool–aged children with cerebral palsy. Cannon SE, et al. **Phys Ther** 1987 Aug; 67(8):1198–204

Electromyographic analysis of two techniques for squat lifting. Delitto RS, et al. **Phys Ther** 1987 Sep;67(9):1329–34

The resting spine. A conceptual approach to the avoidance of spinal reinjury during rest. Gracovetsky SA. **Phys Ther** 1987 Apr;67(4):549–53

Behavioral and postural changes observed with use of adaptive seating by clients with multiple handicaps. Hulme JB, et al. **Phys Ther** 1987 Jul;67(7):1060–7

Seating orientations and upper extremity function in children with cerebral palsy. Nwaobi OM. **Phys Ther** 1987 Aug; 67(8):1209–12

Electric goniometer for positioning children with cerebral palsy. Suggestion from the field. Nwaobi OM. **Phys Ther** 1986 Oct;66(10):1540–1

Effects of approximation on postural sway in healthy subjects. Ratliffe KT, et al. **Phys Ther** 1987 Apr;67(4):502–6

Cardioperipheral vascular effects of inversion on humans. Souza SA. **Phys Ther** 1987 May;67(5):680–7

Absence of sparing of spatial navigation, skilled forelimb and tongue use and limb posture in the rat after neonatal dopamine depletion. Whishaw IQ, et al. **Physiol Behav** 1987;40(2):247–53

Cardiovascular effects of head–up tilt as affected by a vasopressin analogue. Baer R, et al. **Physiologist** 1987 Feb; 30(1 Suppl):S64–5

Cardiorespiratory responses to supine leg exercise during lower body negative pressure (LBNP). Eiken O, et al. **Physiologist** 1987 Feb;30(1 Suppl):S70–1

Effects of graded head–up tilting on muscle sympathetic activities in man. Iwase S, et al. **Physiologist** 1987 Feb;30(1 Suppl):S62–3

Cardiovascular responses during 70 degrees head–up tilt: the effect of elevated body temperature and high alcohol blood levels. Mekjavic IB, et al. **Physiologist** 1987 Feb;30(1 Suppl):S56–7

The effect of body position on ventilation and perfusion in the lung. Moriya E, et al. **Physiologist** 1987 Feb;30(1 Suppl):S60–1

Effects of LBPP stocking on cardiovascular responses during rest and exercise in LBNP and upright position in woman. Nagano J, et al. **Physiologist** 1987 Feb;30(1 Suppl):S72–3

Changes of arterial and venous blood flow during orthostasis and the effect of atropine. Park WK, et al. **Physiologist** 1987 Feb;30(1 Suppl):S58–9

Cardiovascular responses of aged men to orthostatism during heat exposure. Shiraki K, et al. **Physiologist** 1987 Feb;30(1 Suppl):S68–9

10 degrees head–down and –up tilting on the water intake and cardiovascular responses during mild exercise in

woman. Yokozawa K, et al. **Physiologist** 1987 Feb;30(1 Suppl):S66–7

Postural effects on the circadian rhythm of blood pressure and heart rate in young and elderly subjects. Cugini P, et al. **Prog Clin Biol Res** 1987;227B:97–105

Integration of posture and locomotion in acute decerebrate cats and in awake, freely moving cats. Mori S. **Prog Neurobiol** 1987;28(2):161–95 (153 ref.)

Body sway in below-knee amputees. Vittas D, et al. **Prosthet Orthot Int** 1986 Dec;10(3):139–41

"Lying" and "lying". A case report of a paradoxical reaction to the couch. Reiser LW. **Psychoanal Study Child** 1986; 41:537–59

The effect of body position on the perception of cardiac sensations: an experiment and theoretical implications. Jones GE, et al. **Psychophysiology** 1987 May;24(3):300–11

Family history of hypertension and cardiovascular responses to orthostatic stress. Weipert D, et al. **Psychophysiology** 1987 May;24(3):251–7

Effect of posture on expiratory muscle use during breathing in the dog. De Troyer A, et al. **Respir Physiol** 1987 Mar; 67(3):311–22

Intensity and character of pain and muscular activity levels elicited by maintained extreme flexion position of the lower-cervical-upper-thoracic spine. Harms-Ringdahl K, et al. **Scand J Rehabil Med** 1986;18(3):117–26

Effects of arm support or suspension on neck and shoulder muscle activity during sedentary work. Schüldt K, et al. **Scand J Rehabil Med** 1987;19(2):77–84

Acute effects of whole-body vibration. Stabilography and electrogastrography. Kjellberg A, et al. **Scand J Work Environ Health** 1987 Jun;13(3):243–6

Body position changes and periodic movements in sleep. Dzvonik ML, et al. **Sleep** 1986 Dec;9(4):484–91

Effect of lumbar posture on lifting. Hart DL, et al. **Spine** 1987 Mar;12(2):138–45

The Balans chair and its semi-kneeling position: an ergonomic comparison with the conventional sitting position. Lander C, et al. **Spine** 1987 Apr;12(3):269–72

Measurement of thoracolumbar posture and mobility with a Myrin inclinometer. Mellin G. **Spine** 1986 Sep; 11(7):759–62

Back pain and trunk list. Porter RW, et al. **Spine** 1986 Jul-Aug;11(6):596–600

Harrington instrumentation into the lumbar spine. Technique for preservation of normal lumbar lordosis. Winter RB. **Spine** 1986 Jul-Aug;11(6):633–5

Athletes, astronauts and orthostatic tolerance. Harrison MH. **Sports Med** 1986 Nov-Dec;3(6):428–35 (59 ref.)

Influence of the erect posture on the development of the lumbosacral region. A comparative study on the lumbosacral junction of the monkey, dog, rabbit and rat. Pun WK, et al. **Surg Radiol Anat** 1987;9(1):69–73

Estimation of regional gas and tissue volumes of the lung in supine man using computed tomography. Denison DM, et al. **Thorax** 1986 Aug;41(8):620–8

The effect of PNF position of the upper extremity on rapid knee extension. Fujita M, et al. **Tohoku J Exp Med** 1986 Sep;150(1):31–5

Importance of prone-position film during intravenous urography in detection of bladder tumors. Imray TJ, et al. **Urology** 1987 Feb;29(2):228–30

Haemodynamic and blood gas changes in buffaloes (Bubalus bubalis) in the supine position following thiopentone anaesthesia with premedication. Peshin PK, et al. **Vet Res Commun** 1987;11(1):1–7

[New, lightweight types of school briefcases for the prevention of postural defects] Kyral J, et al. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):542–6 (Eng. Abstr.) (Cze)

[Segmental localization of the zero zone when tilting the head and cervical spine sideways] Jirout J. **Cas Lek Cesk** 1987 May 15;126(20):609–10 (Eng. Abstr.) (Cze)

[Physiological sequelae of floating compared with immersion] Camus G, et al. **Acta Belg Med Phys** 1987 Jan-Mar; 10(1):41–3 (Eng. Abstr.) (Fre)

[Immediate elevation of general arterial pressure induced by vertical immersion] Lecomte J, et al. **Acta Belg Med Phys** 1987 Jan-Mar;10(1):45–9 (Eng. Abstr.) (Fre)

[Posturography should be included in the vertigo test] Branchereau B, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(2):117–25 (Eng. Abstr.) (Fre)

[Gastroesophageal reflux in infants. Value of orthostatism and ventral decubitus] Guillon JL, et al. **Arch Fr Pediatr** 1987 Jan;44(1):27–9 (Eng. Abstr.) (Fre)

[Prone position and unexpected sudden infant death] Sénécal J, et al. **Arch Fr Pediatr** 1987 Feb;44(2):131–6 (Eng. Abstr.) (Fre)

[Control of posture in microgravity] Lestienne F. **Bull Acad Natl Med (Paris)** 1986 Mar;170(3-4):345–8 (Eng. Abstr.) (Fre)

[Plasma variation of atrial natriuretic peptide in central hypervolemia (diurnal or nocturnal) induced by antiorthostatic decubitus at -6 degrees] Gharib C, et al. **C R Acad Sci [III]** 1987;305(5):145–8 (Eng. Abstr.) (Fre)

[Postural deficiency syndrome. Its importance in ophthalmology] Da Cunha HM, et al. **J Fr Ophtalmol** 1986; 9(11):747–55 (Eng. Abstr.) (Fre)

[Chronometric study of a posturo-kinetic program associated with voluntary movement] Zattara M, et al. **J Physiol (Paris)** 1986;81(1):14–6 (Eng. Abstr.) (Fre)

[Recorded measurement of variations in head posture in the sagittal plane using a gyrostatic apparatus] Omnes PM. **Orthod Fr** 1985;56(2):661–9 (Fre)

[Orthostatic hemiplegia (letter)] Guard O, et al. **Presse Med** 1987 Jun 20;16(24):1199–200 (Fre)

[Position and delivery] Bouchetara K, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):205–7 (Eng. Abstr.) (Fre)

[Are body position-induced changes in heart rate conditionable?] Vaitl D, et al. **Arch Psychol (Frankf)** 1987; 139(1):55–63 (Eng. Abstr.) (Ger)

[Forces on the hip—the frame work model. I: Critical assessment of the Pauwels model. Two-legged posture] Möser M, et al. **Beitr Orthop Traumatol** 1987 Feb; 34(2):83–92 (Eng. Abstr.) (Ger)

[Forces at the hip—the lower cord model. 2: Standing on one leg: the tower crane principle] Möser M, et al. **Beitr Orthop Traumatol** 1987 Apr;34(4):179–89 (Eng. Abstr.) (Ger)

[Orthostatic tremor: clinical aspects, pathophysiology and therapy] Deuschl G, et al. **EEG EMG** 1987 Mar;18(1):13–9 (Eng. Abstr.) (Ger)

[Is Indian version a successful method for decreasing the incidence of breech presentation?] Bung P, et al. **Geburtshilfe Frauenheilkd** 1987 Mar;47(3):202–5 (Eng. Abstr.) (Ger)

[Upright posture of the human and morphologic evolution of the musculi extensores digitorum pedis in view of evolutionary myology. II] Kaneff A. **Gegenbaurs Morphol Jahrb** 1986;132(4):483–518 (Eng. Abstr.) (Ger)

[Upright posture of man and morphologic evolution of the musculi extensores digitorum pedis with reference to evolutionary myology. III] Kaneff A. **Gegenbaurs Morphol Jahrb** 1986;132(5):681–722 (Eng. Abstr.) (Ger)

[Compartment syndrome as a complication of surgical position in penis replantation] Hellbom B, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):363–6 (Eng. Abstr.) (Ger)

[Significance of upright body position in angiography for the diagnosis of thoracic outlet syndrome] Huth C, et al. **Helv Chir Acta** 1987 Feb;53(4):471–4 (Eng. Abstr.) (Ger)

[Differential diagnosis of benign paroxysmal positional vertigo in Menière's disease] Blessing R, et al. **HNO** 1986 Sep;34(9):372–5 (Eng. Abstr.) (Ger)

[Effects of visual field stabilization on the behavior of automobile drivers: visuo-vestibular model trials] Krausen C, et al. **HNO** 1987 Jul;35(7):270–3 (Eng. Abstr.) (Ger)

[Epidemiology of benign paroxysmal positional vertigo] Blessing R, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug; 65(8):455–8 (Eng. Abstr.) (Ger)

[Technic of patient positioning for spinal computed tomography in the diagnosis of cervical disk disease] Artmann H, et al. **Radiol Diagn (Berl)** 1986;27(6):817–20 (Eng. Abstr.) (Ger)

[Spinal anesthesia with hyperbaric tetracaine and bupivacaine: velocity of spread, analgesic effect and motor blockade in various positions and injection volumes] Janik R, et al. **Reg Anaesth** 1986 Oct;9(4):110–5 (Eng. Abstr.) (Ger)

[Are thoracic radiographs in the recumbent position useful in the diagnosis of chronic left heart insufficiency? Comparison of x-ray findings with left ventricular hemodynamics] Richter C, et al. **ROFO** 1986 Oct; 145(4):428–31 (Eng. Abstr.) (Ger)

[Number of complaints in cashiers at workplaces with conventional cash registers and those with barcode reader equipment] Hinnen U, et al. **Soz Praventivmed** 1986; 31(4-5):254–6 (Eng. Abstr.) (Ger)

[A patient positioning system in head and neck irradiation] Bormann U, et al. **Strahlenther Onkol** 1986 Dec; 162(12):761–3 (Eng. Abstr.) (Ger)

[Comparison of the dorsal position with the semi-lateral position for irradiation of the breast] Schrader D. **Strahlenther Onkol** 1987 Jun;163(6):410–3 (Eng. Abstr.) (Ger)

[Static equilibrium and function of the spine] Oehmke HJ. **Unfallchirurgie** 1986 Dec;12(6):332–6 (Eng. Abstr.) (Ger)

[Effect of supine body position on the oscillatory airway resistance R(OS)] Willroth PO, et al. **Z Erkr Atmungsorgane** 1987;168(1):37–41 (Eng. Abstr.) (Ger)

[Temporary threshold shift in noise exposure and overhead work] Schultz K, et al. **Z Gesamte Hyg** 1987 Apr; 33(4):200–2 (Eng. Abstr.) (Ger)

[Blood pressure regulation in neurosurgical interventions in the lumbar area in the seated patient] Fichtner D, et al. **Zentralbl Neurochir** 1986;47(4):334–8 (Eng. Abstr.) (Ger)

[Role of posturography in vertigo] Franchignoni FP, et al. **Acta Otorhinolaryngol Ital** 1986 Jul-Aug;6(4):413–22 (Eng. Abstr.) (Ita)

[Influence of positioning of the newborn infant in ligation of the umbilical cord on bilirubin levels in the blood during the first days of life] Belgeri R, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar-Apr; 108(2):108–16 (Eng. Abstr.) (Ita)

[Effects of passive orthostatism on ventricular arrhythmia in patients with organic heart diseases] Malfatto G, et al. **Cardiologia** 1987 Jan;32(1):51–3 (Eng. Abstr.) (Ita)

[Work posture and spinal changes of telephone operators employed at video terminals] Occhipinti E, et al. **Med Lav** 1987 Jan-Feb;78(1):59–67 (Eng. Abstr.) (Ita)

[A variety of children's posture and gait] Nakata H. **Ann Physiol Anthropol** 1985 Oct;4(4):344–6 (Jpn)

[Pericardial defect: roles of the pericardium on kinetoanatomic changes of the heart influenced by patients' postures] Beppu S, et al. **J Cardiogr** 1986 Mar;16(1):193–205 (Eng. Abstr.) (Jpn)

[Effects of assistance during activities in pre- and post-defecation on the heart rate and oxygen consumption] Hagisawa S, et al. **Kokyu To Junkan** 1987 Jan;35(1):65–9 (Eng. Abstr.) (Jpn)

[A case of bilateral brachial plexus palsy after an operation in Trendelenburg position] Sato T, et al. **Masui** 1986 Sep; 35(9):1408–13 (Eng. Abstr.) (Jpn)

[Velocity analysis of the sway in the center of gravity of the body—lateral sway velocity in peripheral vestibular disorders] Yamamoto M. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun;89(6):754–62 (Eng. Abstr.) (Jpn)

[Postural changes in pulmonary spot impedance with special reference to pulmonary hemodynamics] Asada T. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Aug; 34(8):1098–108 (Eng. Abstr.) (Jpn)

[Spinal cord reflex and posture control] Udo M. **Nippon Rinsho** 1987 Feb;45(2):239–44 (8 ref.) (Jpn)

[Studies on the influence of maternal delivery position on fetal status] Mizuta M. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):965–71 (Eng. Abstr.) (Jpn)

[Studies on dynamic posture in normal persons and scoliotic patients] Asazuma T. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):107–20 (Eng. Abstr.) (Jpn)

[Studies on the posture of the healthy Japanese child—a classification of posture and their relation to changes in different age groups] Iwakami T. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):185–96 (Eng. Abstr.) (Jpn)

[Effects of body positions during the neonatal period on later postural and functional lateralities of pre-term infants] Konishi Y, et al. **No To Hattatsu** 1987 Jan;19(1):3–8 (Eng. Abstr.) (Jpn)

[Muscle tonus and postural reaction] Mano Y. **Rinsho Byori** 1987 Mar;35(3):259–63 (16 ref.) (Jpn)

[The effect of changes in body position on the Holter electrocardiogram] Nakai K, et al. **Rinsho Byori** 1987 Mar; 35(3):341–6 (Jpn)

[Chest tomography in prone and inclined position] Kamimura Y, et al. **Rinsho Hoshasen** 1987 Jan;32(1):171–3 (Jpn)

[Efficacy of the sitting position for intravenous digital subtraction angiography of the abdomen] Nakamura K, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1421–7 (Eng. Abstr.) (Jpn)

[Analysis of cross-replication disturbance of hand postures in a patient with callosal lesions due to anterior cerebral artery occlusion] Satomi K, et al. **Rinsho Shinkeigaku** 1987 May;27(5):599–606 (Eng. Abstr.) (Jpn)

[Dynamics of the activities of postural asymmetry factors and of the recovery of motor function in damage to the neocortex of the left and right hemispheres] Varlinskaia EI, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):16–8 (Eng. Abstr.) (Rus)

[Isolation of the postural asymmetry factor following right hemisection of the spinal cord] Klement'ev BI, et al. **Dokl Akad Nauk SSSR** 1986;291(3):737–41 (Rus)

[Effect of caffeine and sidnofen on the blood supply of the brain, kidneys and hindlimbs during antiorthostatism] Koniaeva EI, et al. **Farmakol Toksikol** 1987 May-Jun; 50(3):39–42 (Eng. Abstr.) (Rus)

[Effect of body posture on the hemodynamic changes occurring under emotional tension] Belkaniia GS, et al. **Fiziol Cheloveka** 1987 Mar-Apr;13(2):245–51 (Rus)

[Reorganization of the microcirculation of the lower extremities during local orthostatic hypertension] Bykov VM. **Fiziol Cheloveka** 1986 Jul-Aug;12(4):621–6 (Rus)

[The cardiac component of the orthostatic reaction with a varying initial heart beat rate] Kuz'menko VA. **Fiziol Cheloveka** 1986 Jul-Aug;12(4):684–6 (Rus)

[Characteristics of the muscular activity of healthy schoolchildren and schoolchildren with postural disorders and scoliosis] Nikolaeva NI, et al. **Fiziol Cheloveka** 1986 Sep-Oct;12(5):777–83 (Rus)

[Central venous pressure and hormonal regulation of water metabolism and changes in it during antiorthostasis] Noskov VB, et al. **Fiziol Cheloveka** 1986 Sep-Oct; 12(5):810–6 (Rus)

[Detection of postural asymmetry factors in the cerebrospinal fluid of patients with brain tumors] Vartanian GA, et al. **Fiziol Cheloveka** 1987 Mar-Apr;13(2):326–8 (Rus)

[Diagnostic significance of changes in the diastolic period of the heart cycle in ischemic heart disease patients undergoing head-down tilt loading] Karpov RS, et al. **Kardiologiia** 1987 Apr;27(4):43–7 (Eng. Abstr.) (Rus)

[Orthostatic ECG changes in hypertension] Minovich AI. **Kardiologiia** 1986 Nov;26(11):87–90 (Eng. Abstr.) (Rus)

[Orthostatic changes in the circulatory system in chronic alcoholism] Moskalenko NP, et al. **Klin Med (Mosk)** 1986 Oct;64(10):126–9 (Eng. Abstr.) (Rus)

[Disruption of the circadian rhythm of the body temperature in monkeys during head-down tilt hypokinesia] Allatov AM, et al. **Kosm Biol Aviakosm Med** 1986 Sep-Oct;

20(5):37–41 (Eng. Abstr.) (Rus)
[Bioelectrical activity of the heart and blood electrolytes in virtually healthy subjects during 120-day head-down tilt hypokinesia] Artamonova NP, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):24–7 (Eng. Abstr.) (Rus)
[Relationship between the constitutional traits and functional characteristics of the cardiovascular system in clino- and orthostatism in healthy persons and in arterial hypertension patients] Belkaniia GS, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):75–8 (Eng. Abstr.) (Rus)
[Biochemical aspects of the functioning of neurohumoral systems in long-term head-down tilt hypokinesia] Davydova NA, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):91–5 (Rus)
[Biorhythmologic analysis of the dynamics of indices of pulmonary ventilation during orthostatic manipulations] Galichii VA. **Kosm Biol Aviakosm Med** 1987 May–Jun; 21(3):52–9 (Eng. Abstr.) (Rus)
[Orthostatic reaction of heart rhythm in wakeful Macaca mulatta monkeys] Gol'dovskaia MD, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):86–8 (Rus)
[Effect of coamide and folicobalamin on erythropoiesis during ordinary vital activities and in head-down tilt hypokinesia] Kiselev RK, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):48–53 (Eng. Abstr.) (Rus)
[Functional status of the human cardiorespiratory system after 30 hours' antiorthostatic hypokinesia] Machinskii GV, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):46–8 (Eng. Abstr.) (Rus)
[Changes in the content of bile acids and lipids in human bile during head-down tilt hypokinesia and their correction] Medkova IL, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):31–7 (Eng. Abstr.) (Rus)
[Dynamics of changes in the fluids of the extremities in man in different body positions] Panferova NE, et al. **Kosm Biol Aviakosm Med** 1987 Mar Apr;21(2):40–5 (Eng. Abstr.) (Rus)
[Problems and prospects for the drug correction of orthostatic tolerance in space medicine] Shashkov VS, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):4–11 (64 ref.) (Eng. Abstr.) (Rus)
[Lipid metabolic indices in man during head-down tilt hypokinesia and their correction] Smirnov KV, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):34–7 (Eng. Abstr.) (Rus)
[Individual characteristics of water-mineral metabolism during 120-day head-down tilt hypokinesia and the effectiveness of prophylactic measures] Smirnova TM, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):21–4 (Eng. Abstr.) (Rus)
[Variant of quantitative evaluation of the mechanisms of orthostatic response of central hemodynamics] Titunin PA, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):48–52 (Eng. Abstr.) (Rus)
[Status of metabolism and peripheral circulation in man during antiorthostatic hypokinesia] Vorob'ev VE, et al. **Kosm Biol Aviakosm Med** 1987 May–Jun;21(3):46–9 (Eng. Abstr.) (Rus)
[Spatial perception and vestibulomotor reactions in man] Popov KE, et al. **Neirofiziologiia** 1986;18(6):779–87 (Eng. Abstr.) (Rus)
[Dynamics of the activity of the postural asymmetry factor in unilateral damage to the cerebellar cortex] Shatik SV. **Nerv Sist** 1986;25:111–5 (Rus)
[Orthostatic changes in the circulatory system of women with the climacteric syndrome] Moskalenko NP, et al. **Sov Med** 1986;(8):113–5 (Rus)
[Systemic changes in arterial and venous blood flow during postural reactions] Khaine Kh, et al. **Vestn Akad Med Nauk SSSR** 1987;(6):16–24 (Eng. Abstr.) (Rus)
[Use of an orthostatic test in determining the motor regimen for myocardial infarct patients at the hospital stage of rehabilitation] Adamian KG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):59–61 (Rus)
[Role of the motor area of the cortex in the performance of the postural escape reaction] Ivanova NG, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):46–53 (Eng. Abstr.) (Rus)
[The dependence of the postural response to evoked galvanic stimulation of the labyrinth on the amplitude and frequency of the stimulating current] Križková M, et al. **Bratisl Lek Listy** 1986 Aug;86(2):193–201 (Eng. Abstr.) (Slo)
[Is there a relationship between orthostatic proteinuria and increased renal mobility?] Buchanec J, et al. **Cesk Pediatr** 1987 Feb;42(2):81–4 (Eng. Abstr.) (Slo)
[Effect of percussion and postural drainage on gas exchange] Alarcón Ardite A, et al. **Rev Clin Esp** 1987 Mar; 180(5):232–7 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Forelimb placing and hopping reflexes in haloperidol- and morphine-treated cataleptic rats. Wolgin DL. **Behav Neurosci** 1985 Jun;99(3):423–35
Induction of turning by direct intrastriatal injection of dopaminomimetic drugs in mice: pharmacological analysis of a simple screening model. Worms P, et al. **Life Sci** 1986 Dec 8;39(23):2199–208

POTASSIUM

see related
HYPERKALEMIA
HYPOKALEMIA

Temperature-specific effects of adjuvant diltiazem therapy on myocardial energetics following potassium cardioplegic arrest. Krukenkamp IB, et al. **Ann Thorac Surg** 1986 Dec; 42(6):675–80
Enzyme action in polymer and salt solutions. II. Activity of penicillin acylase in poly(ethylene glycol) and potassium phosphate solutions in relation to water activity. Andersson E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):325–8
Enzyme action in polymer and salt solutions. I. Stability of penicillin acylase in poly(ethylene glycol) and potassium phosphate solutions in relation to water activity. Andersson E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):317–24
The interaction of Cl- with a gramicidin-like channel. Sung SS, et al. **Biophys Chem** 1987 Jul;27(1):1–6
Myocardial protection in the neonatal heart. A comparison of topical hypothermia and crystalloid and blood cardioplegic solutions. Corno AF, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):163–72
The effects of cardioplegic potassium concentration and myocardial temperature on electrical activity in the heart during elective cardioplegic arrest. Ferguson TB Jr, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):755–65
Cold storage of the rat heart for transplantation. Two types of solution required for optimal preservation. Kohno H, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):86–94
The relative buffering power of cardioplegic solutions. Kresh JY, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):309–11
A comparison of blood and crystalloid cardioplegia during heart transplantation after 5 hours of cold storage. Swanson DK, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):687–94
Interaction of sodium, lithium, caesium, and potassium ions with ascorbyl radicals. Wieczorek P, et al. **Z Naturforsch [C]** 1987 Mar;42(3):215–6
[Experimental study of the effects of ventricular fibrillation at 20 degrees C on myocardial preservation] Ogawa K. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):353–61 (Eng. Abstr.) (Jpn)
[A comparative study between blood and crystalloid cardioplegia during prolonged aortic occlusion in dogs] Shiki K. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1954–65 (Eng. Abstr.) (Jpn)
[Comparison of the effects of blood cardioplegia and crystalloid cardioplegia in aortic valve replacement surgery] Yokoyama H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):155–60 (Eng. Abstr.) (Jpn)
[The 3% potassium hydroxide test, an alternative to gram staining. II] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1986 Oct–Dec;31(4):379–80 (Rum)
[Ion composition of atmospheric air at an industrial site and in deep potassium mines] Ashel'rod AA, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):48–50 (Rus)

ADMINISTRATION & DOSAGE

Metabolic support during coronary reperfusion. Satler LF, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):54–8
Is high potassium solution necessary for reinfusions in "multidose" cold cardioplegia? A randomized prospective study using computerized Holter system. Dewar M, et al. **Ann Thorac Surg** 1987 Apr;43(4):409–15
Controlled trial of long term oral potassium supplements in patients with mild hypertension. Siani A, et al. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1453–6
Blood pressure response to sodium restriction and potassium supplementation in healthy normotensive children. Miller JZ, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):823–7
Na+, K+ and water balance in young spontaneously hypertensive rats: relationship to blood pressure after high K+ treatment. Sugden AL, et al. **Clin Sci** 1987 Mar; 72(3):321–7
Effects of a high K+/low Na+ diet on blood pressure in young spontaneously hypertensive rats. Sugden AL, et al. **Clin Sci** 1987 Mar;72(3):313–9
Management of diabetes during surgery with glucose-insulin-potassium infusion. Husband DJ, et al. **Diabetic Med** 1986 Jan;3(1):69–74
Sodium and potassium intake and high blood pressure. MacGregor GA. **Eur Heart J** 1987 May;8 Suppl B:3–8 (33 ref.)
Effects of high potassium or low sodium diet on vascular Na+,K+-ATPase activity and blood pressure in young spontaneously hypertensive rats. Sugden AL, et al. **Hypertension** 1987 Jun;9(6):571–5
Dietary sodium and potassium in the genesis, therapy, and prevention of hypertension. Haddy FJ. **J Am Coll Nutr** 1987 Jun;6(3):261–70 (43 ref.)
Potassium carbonate as a potassium source and dietary buffer for lactating Holstein cows during hot weather. West JW, et al. **J Dairy Sci** 1987 Feb;70(2):309–20
Sodium restriction and potassium supplementation in young people with mildly elevated blood pressure. Grobbee DE, et al. **J Hypertens** 1987 Feb;5(1):115–9
Potassium-rich and sodium-poor salt reduces blood pressure in hospitalized patients. Arzilli F, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S347–50
An epidemiological perspective on dietary electrolytes and hypertension. Harlan WR, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S334–9 (33 ref.)
High-K diets reduce brain haemorrhage and infarcts, death rate and mesenteric arteriolar hypertrophy in stroke-prone spontaneously hypertensive rats. Tobian L, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S205–7
High-potassium diets markedly protect against stroke deaths and kidney disease in hypertensive rats, an echo from prehistoric days. Tobian L. **J Hypertens [Suppl]** 1986 Oct; 4(4):S67–76
Mild potassium depletion provokes renal sodium retention. Krishna GG, et al. **J Lab Clin Med** 1987 Jun;109(6):724–30
Evidence for a stimulatory effect of high potassium diet on renal kallikrein. Vio CP, et al. **Kidney Int** 1987 Jun; 31(6):1327–34
Dietary potassium and stroke-associated mortality. A 12-year prospective population study. Khaw KT, et al. **N Engl J Med** 1987 Jan 29;316(5):235–40
Dietary potassium and stroke [letter] Salisbury D. **N Engl J Med** 1987 Aug 20;317(8):509–10
[Effects of glucose-insulin-potassium administration on the carbohydrate metabolism during open heart surgery] Ohashi H. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec; 34(12):2100–12 (Eng. Abstr.) (Jpn)
[Interrelationships among blood pressure, sodium, potassium, and protein intake in a small employee population in Japan] Ogawa M. **Nippon Naika Gakkai Zasshi** 1986 Dec; 75(12):1717–22 (Jpn)
[Effect of a glucose-insulin-potassium mixture on the course and outcome of myocardial infarction] Kuznetsov GP, et al. **Klin Med (Mosk)** 1987 Feb;65(2):38–41 (Rus)

ADVERSE EFFECTS

[Gastrointestinal symptoms induced by the adverse effects of oral potassium preparations] Brørs O. **Tidsskr Nor Laegeforen** 1986 Nov 10;106(31):2641–2 (Nor)
[Effect of industrial factors on the body of miners extracting potassium ore (a review of the literature)] Strutinskii GM. **Vrach Delo** 1986 Dec;(12):92–5 (Rus)

ANALYSIS

Modifications of the pancreatic beta-cell function after lowering their potassium content. Bergsten P, et al. **Acta Physiol Scand** 1986 Dec;128(4):619–28
Introduction of an ion selective sodium and potassium analyser in a paediatric intensive care unit: our experience over a 3-year period. Mann SW, et al. **Ann Clin Biochem** 1987 May;24 (Pt 3):309–16
Measurement of tissue potassium in vivo using 39K nuclear magnetic resonance. Adam WR, et al. **Biophys J** 1987 Feb; 51(2):265–71
Regional differences in resting extracellular potassium levels of rat brain. Moghaddam B, et al. **Brain Res** 1987 Mar 17;406(1–2):337–40
Comparison of ion chromatography and neutron activation analysis for the microdetermination of Na+ and K+ in muscle. Haber EP, et al. **Braz J Med Biol Res** 1986; 19(1):103–7
Tip size of ion-exchanger based K+-selective microelectrodes. I. Effects on selectivity. Carlini WG, et al. **Can J Physiol Pharmacol** 1987 May;65(5):889–93
Concentrations of elements in rat thymocytes measured by X-ray microanalysis. Warley A. **Cell Tissue Res** 1987 Jul; 249(1):215–20
Tissue Na, K, and Ca changes in regional cerebral ischemia: their measurement and interpretation. Young W, et al. **Cent Nerv Syst Trauma** 1986 Summer;3(3):215–34
Cations and dehydroepiandrosterone-sulfate in cyst fluid of pre- and menopausal patients with gross cystic disease of the breast. Evidence for the existence of subpopulations of cysts. Dogliotti L, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1301–7
Ion-sensitive microelectrode measurements of free intracellular chloride and potassium concentrations in hyperthermia-treated neuroblastoma cells. Borrelli MJ, et al. **J Cell Physiol** 1986 Nov;129(2):175–84
Re: The rapid determination of extracellular potassium concentrations in whole human dental plaque and plaque fluid [letter] Carey CM, et al. **J Dent Res** 1987 Sep; 66(9):1516–7
Effect of chronic maternal hyperkalaemia on plasma, cerebrospinal fluid and brain interstitial fluid potassium in developing rats. Keep RF, et al. **J Dev Physiol** 1987 Feb; 9(1):89–95
Vitreous humor chemistry: the use of potassium concentration for the prediction of the postmortem interval. Stephens RJ, et al. **J Forensic Sci** 1987 Mar;32(2):503–9
Elemental concentrations in isolated rat thymocytes prepared for cryofixation in the presence of different media. Warley A. **J Microsc** 1986 Nov;144 (Pt 2):183–91
Activity-dependent changes in extracellular potassium and excitability in turtle olfactory nerve. Eng DL, et al. **J Neurophysiol** 1987 Mar;57(3):740–54
Dietary potassium [letter] Beard TC. **Lancet** 1987 Aug 29; 2(8557):517
Inadequate supplies of potassium and magnesium in relief food—implications and countermeasures. Michaelsen KF, et al. **Lancet** 1987 Jun 20;1(8547):1421–3

"Natural" potassium supplements [letter]Albert BL. **N Engl J Med** 1987 Sep 24;317(13):840

Distribution of calcium and potassium in presynaptic nerve terminals from cerebellar cortex. Andrews SB, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1713–7

Internal potassium activity in ferret ventricular muscle. Reverdin EC, et al. **Q J Exp Physiol** 1986 Jul;71(3):451–65

[Relations between the cortical DC potentials and the K+ concentration of the blood and cerebral cortex extracellular space in reversible asphyxia] Staschen CM, et al. **EEG EMG** 1987 Jun;18(2):53–7 (Eng. Abstr.) **(Ger)**

[Psoriasis. Sodium, potassium, chloride—analysis in sweat, saliva and urine—selective ultraviolet phototherapy] Wanjura HJ. **Z Hautkr** 1987 Jul 1;62(13):1029–34 (Eng. Abstr.) **(Ger)**

[Postmortem ion analysis of the myocardium in surgically correctible heart malformations] Braselmann H, et al. **Zentralbl Allg Pathol** 1986;132(4):289–92 (Eng. Abstr.) **(Ger)**

[Effect of the changes in the perilymphatic ionic composition of the N1 response of guinea pig: the first report, potassium and sodium changes] Ikeda K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):8–13 (Eng. Abstr.) **(Jpn)**

[Extracellular Na, K, and Cl concentrations in relation to pathophysiological mechanism of myotonia] Shioya K, et al. **Rinsho Shinkeigaku** 1986 Aug;26(8):856–62 (Eng. Abstr.) **(Jpn)**

[Concentration of potassium and sodium in the white and red muscles of the rat during adaptation to cold] Medvedev LN. **Fiziol Zh SSSR** 1987 Jan;73(1):56–8 (Eng. Abstr.) **(Rus)**

[Changes in the concentration of extracellular potassium in the cerebral cortex with different parameters of electrical stimulation] Roĭtbak AI, et al. **Fiziol Zh SSSR** 1987 Feb; 73(2):277–83 (Eng. Abstr.) **(Rus)**

[Electrolyte concentration in the plasma and tissue cells of patients with ventricular arrhythmias in the acute period of myocardial infarction] Puodzhiukinene MZ, et al. **Kardiologiia** 1987 Feb;27(2):98–100 **(Rus)**

[Determination of the time of death by the dynamic activity of potassium ions in cadaveric synovial fluid] Alybaeva KN. **Sud Med Ekspert** 1987 Jan–Mar;30(1):18–20 (Eng. Abstr.) **(Rus)**

[Sodium and potassium content of some fresh, frozen and canned vegetables] Zuccarelli MT, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):477–82 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Bradykinin inhibits potassium (M) currents in N1E–115 neuroblastoma cells. Responses resemble those in NG108–15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **FEBS Lett** 1987 Aug 17;220(2):302–6

Inhibition of K+–stimulated [3H]dopamine and [14C]acetylcholine release by the putative dopamine autoreceptor agonist, B–HT 920. Schmidt CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):377–82

BLOOD

Effects of salbutamol and hyperventilation on the rise in serum potassium after succinylcholine administration. Inaba H, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):524–8

Effects of fludrocortisone withdrawal on plasma angiotensin II, ACTH, vasopressin, and potassium in patients with Addison's disease. Oelkers W, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):325–30

Plasma potassium and phosphate concentrations—influence by adrenaline infusion, beta–blockade and physical exercise. Ljunghall S, et al. **Acta Med Scand** 1987;221(1):83–93

Sodium and potassium concentrations of red blood cells and plasma in children with nephrotic syndrome, uraemia and pyelonephritis. Toldi Z, et al. **Acta Paediatr Hung** 1986; 27(4):283–8

Influence of beta 2–adrenoceptor stimulation and blockade on cardiac electrophysiologic properties and serum potassium concentration in the anesthetized dog. Hohnloser SH, et al. **Am Heart J** 1987 May;113(5):1066–70

Diuretics, serum potassium and ventricular arrhythmias in the Multiple Risk Factor Intervention Trial. Cohen JD, et al. **Am J Cardiol** 1987 Sep 1;60(7):548–54

Erythrocyte sodium and potassium in patients on peritoneal dialysis. Cheng JT, et al. **Am J Kidney Dis** 1987 Mar; 9(3):211–6

Serum, lymphocyte, and erythrocyte potassium, magnesium, and calcium concentrations and their relation to tachyarrhythmias in patients with acute myocardial infarction. Abraham AS, et al. **Am J Med** 1986 Dec; 81(6):983–8

Serum magnesium and potassium levels in hypertensive patients after a therapeutic switch from hydrochlorothiazide plus a potassium supplement to maxzide. Davidov ME, et al. **Am J Med** 1987 Mar 20; 82(3A):48–51

Temporal profile of serum potassium concentration in nondiabetic and diabetic outpatients on chronic dialysis. Tzamaloukas AH, et al. **Am J Nephrol** 1987;7(2):101–9

Cell volume, K transport, and cell density in human erythrocytes. Brugnara C, et al. **Am J Physiol** 1987 Mar; 252(3 Pt 1):C269–76

Adrenergic modulation of potassium metabolism during exercise in normal and diabetic humans. Castellino P, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E68–76

Swelling, NEM, and A23187 activate Cl(–)–dependent K+ transport in high–K+ sheep red cells. Fujise H, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C197–204

Involvement of a cytoplasmic protein in calcium–dependent potassium efflux in red blood cells. Plishker GA, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C535–40

Effect of aldosterone on sodium and potassium concentrations in human mononuclear leukocytes. Wehling M, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E505–8

Continuous display of plasma potassium during cardiac surgery. Drake HF, et al. **Anaesthesia** 1987 Jan;42(1):23–9

Beta blockade, suxamethonium and potassium [letter] Goldhill DR, et al. **Anaesthesia** 1987 Jun;42(6):670–1

Beta–adrenoceptor blockade and suxamethonium–induced rise in plasma potassium. Maryniak JK, et al. **Anaesthesia** 1987 Jan;42(1):71–4

Cardiac arrhythmias in hypertensive outpatients on various diuretics. Correlation between incidence and serum potassium and magnesium levels. Lumme JA, et al. **Ann Clin Res** 1986;18(4):186–90

Pathophysiology of the Na exchange and Na–K–Cl cotransport in essential hypertension: new findings and hypotheses. Canessa ML. **Ann NY Acad Sci** 1986; 488:276–80

Serum magnesium and potassium in acute myocardial infarction. Influence on ventricular arrhythmias. Kafka H, et al. **Arch Intern Med** 1987 Mar;147(3):465–9

Immediate plasma potassium levels in treating diabetic ketoacidosis. Leventhal RI, et al. **Arch Intern Med** 1987 Aug;147(8):1501–2

Potassium–lowering effect of albuterol for hyperkalemia in renal failure. Montoliu J, et al. **Arch Intern Med** 1987 Apr; 147(4):713–7

The effect of cellular calcium on Na+/K+ cotransport in human red blood cells. Dagher G. **Biochim Biophys Acta** 1987 May 29;899(2):313–6

Passive potassium transport in human red cells. Ellory JC, et al. **Biomed Biochim Acta** 1987;46(2–3):S31–5

Is Ca2+ effect on passive K+ transport mediated by spectrin—dependent ATPase? Mirčevová L, et al. **Biomed Biochim Acta** 1987;46(2–3):S41–5

Beta–adrenoceptor blockade, alpha–stimulation and changes in plasma potassium concentration after suxamethonium administration in dogs. Goldhill DR, et al. **Br J Anaesth** 1987 May;59(5):611–6

Effect of salbutamol and suxamethonium on the plasma potassium concentration. Slater RM, et al. **Br J Anaesth** 1987 May;59(5):602–5

Exercise–induced hyperkalaemia: effects of beta–adrenoceptor blocker vs diuretic. Cleroux J, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):225–9

Acute hypokalemic effect of gossypol. Tam SC. **Can J Physiol Pharmacol** 1986 Jul;64(7):881–4

Effects of adrenergic and muscarinic receptor stimulation on serum potassium concentrations and myocardial electrical stability. Hohnloser SH, et al. **Cardiovasc Res** 1986 Dec; 20(12):891–6

A method for simultaneously estimating plasma, erythrocyte, and leukocyte sodium, potassium, and magnesium: reference values and considerations from biological variation data. Gallacher RE, et al. **Clin Chem** 1987 Aug; 33(8):1326–30

Amdev's "Lytening 1" sodium and potassium analyzer evaluated. Garrett PE, et al. **Clin Chem** 1987 Mar; 33(3):416–7

Assay of sodium, potassium, and ionized calcium in whole blood with the ChemPro–1000. Ng RH, et al. **Clin Chem** 1986 Nov;32(11):2103

Se, Zn, Mg, Ca, K, cholesterol, and creatine kinase concentrations in men during the 12 days after an acute myocardial infarction. Speich M, et al. **Clin Chem** 1987 Jan;33(1):21–3

Erythrocyte water content in spontaneously hypertensive rats and DOCA–salt hypertensive rats. Kawarabayashi T, et al. **Clin Exp Pharmacol Physiol** 1986 Nov–Dec; 13(11–12):783–90

Serum potassium concentrations after initiation of captopril therapy. Schuna AA, et al. **Clin Pharm** 1986 Nov; 5(11):920–3

Changing effects on erythrocyte sodium and potassium during the development of chronic renal failure with anaemia in rats. Thomas TH, et al. **Clin Sci** 1986 Dec; 71(6):639–46

Serum potassium and body weight during treatment with two fixed combinations of beta–blockers and diuretics in hypertensive patients: a controlled study. Houtzagers JJ, et al. **Clin Ther** 1986;9(1):84–91

Effect of indomethacin on acute potassium tolerance. Perez GO, et al. **Clin Ther** 1987;9(3):259–62

Red blood cell potassium types of angora goats (Capra hircus). Erkoç FU, et al. **Comp Biochem Physiol [A]** 1987; 87(1):9–11

Acute effects of dialysis on myocardial contractility: influence of cardiac status and calcium/potassium ratio. Wizemann V, et al. **Contrib Nephrol** 1986;52:60–8

The temperature dependence of passive potassium permeability in mammalian erythrocytes. Hall AC, et al. **Cryobiology** 1986 Oct;23(5):395–405

Less pronounced changes in serum potassium and epinephrine during hypoglycemia induced by human insulin (recombinant DNA). Petersen KG, et al. **Diabetes Care** 1982 Nov–Dec;5 Suppl 2:90–2

Normal calcium–activated potassium channel in red cells in type 2 diabetes. Burnett MA, et al. **Diabetes Res** 1987 May; 5(1):19–21

The effect of adrenaline in lignocaine anaesthetic solutions on plasma potassium in healthy volunteers. Meechan JG, et al. **Eur J Clin Pharmacol** 1987;32(1):81–3

Haemodynamic, metabolic, and lymphocyte beta 2–adrenoceptor changes following chronic beta–adrenoceptor antagonism. Whyte K, et al. **Eur J Clin Pharmacol** 1987;32(3):237–43

Raised sodium, potassium, and urea concentrations in spermatic venous blood: an additional causative factor in the testicular dysfunction of varicocele? Adamopoulos DA, et al. **Fertil Steril** 1987 Aug;48(2):331–3

Clinical trial of gossypol as a male contraceptive drug. Part II. Hypokalemia study. Liu GZ, et al. **Fertil Steril** 1987 Sep;48(3):462–5

Increased potassium permeability in erythrocytes from patients with hyperparathyroidism. Diez J, et al. **Horm Metab Res** 1986 Sep;18(9):642–6

Serum potassium, calcium and magnesium after resuscitation from ventricular fibrillation: a canine study. Salerno DM, et al. **J Am Coll Cardiol** 1987 Jul;10(1):178–85

Pseudohyperkalemia in Akitas. Degen M. **J Am Vet Med Assoc** 1987 Mar 1;190(5):541–3

Na–K–Cl cotransport and Na pump in red cells of young blacks and blood pressure response to salt loading. Canessa M, et al. **J Clin Hypertens** 1986 Jun;2(2):101–8

Genetic and ethnic influences on the distribution of sodium and potassium in normotensive and hypertensive subjects. Weissberg PL, et al. **J Clin Hypertens** 1987 Mar;3(1):20–5

Properties of the Na+–K+ pump in human red cells with increased number of pump sites. Halperin JA, et al. **J Clin Invest** 1987 Jul;80(1):128–37

Spurious increase in plasma potassium concentration and reduction in plasma calcium due to in vitro contamination with liquid potassium edetic acid at phlebotomy [letter] Fitzpatrick MF, et al. **J Clin Pathol** 1987 May;40(5):588

Evaluation and assessment of new disposable strip for determination of plasma potassium concentration. Gibb I. **J Clin Pathol** 1987 Mar;40(3):298–301

Hyperkalemia: ECG manifestations and clinical considerations. Dittrich KL, et al. **J Emerg Med** 1986; 4(6):449–55

On the mechanism of stimulation of the Na/K pump of LK sheep erythrocytes by anti–L antibody. Dunham P, et al. **J Gen Physiol** 1987 Jul;90(1):3–25

Volume–sensitive K transport in human erythrocytes. Kaji D. **J Gen Physiol** 1986 Dec;88(6):719–38

Genetic relationship between a lymphocyte membrane abnormality and blood pressure in spontaneously hypertensive stroke prone and Wistar–Kyoto rats. Furspan PB, et al. **J Hypertens** 1987 Jun;5(3):293–7

Erythrocyte cation fluxes in the normotensive and hypertensive clients of a health screening clinic. Stokes GS, et al. **J Hypertens** 1987 Jun;5(3):285–91

Ca2+i:K+i ratio and total intracellular calcium in essential and renal hypertension. Zidek W, et al. **J Hypertens** 1986 Aug;4(4):507–10

Role of alpha–adrenergic hormones in potassium homeostasis in the rat. Williams ME, et al. **J Lab Clin Med** 1987 Aug; 110(2):245–9

Flux ratio of valinomycin–mediated K+ fluxes across the human red cell membrane in the presence of the protonophore CCCP. Bennekou P, et al. **J Membr Biol** 1986;93(3):221–7

K–permeabilized human red cells lose an alkaline, hypertonic fluid containing excess K over diffusible anions. Freeman CJ, et al. **J Membr Biol** 1987;96(3):235–41

Voltage dependence of the Ca2+–activated K+ conductance of human red cell membranes is strongly dependent on the extracellular K+ concentration. Vestergaard–Bogind B, et al. **J Membr Biol** 1987; 95(2):121–30

Childhood obesity: plasma potassium and Na–K–ATPase indicate that the electrolyte content of food may be important [letter] Henningsen N, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):154–5

Values reported for the three inorganic elements in 'lymphocytes' [letter] Elin RJ, et al. **Magnesium** 1987; 6(3):165–8

The role of pump number and intracellular sodium and potassium in determining Na,K pump activity in human erythrocytes. O'Neill WC, et al. **Metabolism** 1987 Apr; 36(4):345–50

Dietary sodium variation, erythrocyte cationic transport and plasma renin–aldosterone in men. Lijnen P, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):55–62

Intracellular sodium, potassium and magnesium concentration, ouabain–sensitive 86rubidium–uptake and sodium–efflux and Na+, K+–cotransport activity in erythrocytes of normal male subjects studied on two occasions. Lijnen P, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):525–33

Diet–induced changes in rabbit serum potassium do not alter size or number of brain capillary endothelial cell mitochondria. Paul LA, et al. **Microvasc Res** 1987 Jan; 33(1):15–21

The effect of low–dose hydrochlorothiazide on blood

pressure, serum potassium, and lipoproteins. McKenney JM, et al. **Pharmacotherapy** 1986 Jul-Aug;6(4):179–84

Sodium and potassium fluxes and concentrations in erythrocytes of normal subjects during prolonged sodium depletion and repletion. Lijnen P, et al.
Postgrad Med J 1986;62 Suppl 1:3–12

Comparison of serum sodium and potassium by direct ion-selective electrode analysis between Chinese and American people. Chao TJ.
Proc Natl Sci Counc Repub China [B] 1987 Apr;11(2):97–9

Activation of a K:Cl cotransporter by cell swelling in HbAA and HbSS red cells. Canessa M, et al.
Prog Clin Biol Res 1987;240:201–15

Studies on the mechanism of passive cation fluxes activated by deoxygenation of sickle cells. Joiner CH.
Prog Clin Biol Res 1987;240:229–35

Deformability and electrolyte changes of erythrocytes in connection with open heart surgery. Hirayama T, et al.
Scand J Thorac Cardiovasc Surg 1986;20(3):253–9

System dynamics modeling of renin aldosterone and electrolyte changes induced by furosemide in hypertensive patients. Hsieh BS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):17–26

Sources of increased serum potassium following reperfusion of liver allografts. Chapin JW, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):51–3

Carbadox induced changes in aldosterone, sodium and potassium levels in the blood of weaned pigs. van der Molen EJ, et al. **Zentralbl Veterinarmed [A]** 1986 Oct; 33(8):617–23

[Sodium, potassium and chlorine in the blood serum of healthy calves and calves with diarrhea] Abdelmalek B. **Vet Med Nauki** 1987;24(2):86–8 (Eng. Abstr.) **(Bul)**

[The adjustable functional effect of acupuncture and moxibustion on the changing rate of various proteins, activity of blood cholinesterase fluctuational situation, and inorganic salt content] Jin AD. **Chen Tzu Yen Chiu** 1986; 11(4):319–24 (Eng. Abstr.) **(Chi)**

[Changes in ECG and serum electrolytes in lithium therapy] Wang HL.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1987 Feb; 20(1):56–8 (Eng. Abstr.) **(Chi)**

[Intracellular concentrations and transmembrane flow of sodium and potassium in red blood cells of hypertensive patients and their offspring] Lijnen P.
Verh K Acad Geneeskd Belg 1986;48(4):225–60 (76 ref.) (Eng. Abstr.) **(Dut)**

[Changes in blood potassium induced by the abuse of 3 beta 2-agonist drugs] Capretti A, et al. **Clin Ter** 1987 Apr 15; 121(1):41–4 (Eng. Abstr.) **(Ita)**

[Effects of long-term administration of piretanide on blood potassium] Tomassini F, et al. **Clin Ter** 1986 Aug 31; 118(4):265–8 (Eng. Abstr.) **(Ita)**

[Terbutaline and theophyllamine infusion in acute asthma. Effect on serum potassium] Stene-Larsen G, et al.
Tidsskr Nor Laegeforen 1987 Jun 10;107(16):1458–9, 1486 (Eng. Abstr.) **(Nor)**

[Sodium and potassium levels in the soil, grass and blood serum of bulls after irrigation of the soil with sewage water] Kosla T. **Pol Arch Weter** 1986;24(3):375–84 (Eng. Abstr.) **(Pol)**

[Sodium and potassium levels in the erythrocytes and blood serum in patients with bronchial asthma treated with triamcinolone acetonide] Staniszewska K, et al.
Pol Tyg Lek 1986 Aug 25;41(34):1063–4 (Eng. Abstr.) **(Pol)**

[Characteristics of the Na+–K+–cotransport system in the erythrocyte membrane of patients with hypertension and symptomatic (renal) hypertension] Kavtaradze VG, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):542–3 (Eng. Abstr.) **(Rus)**

[Dynamics of hormones, sugar and electrolytes during hypodynamia according to blood biochemical indices] Makarovskii VV, et al. **Kosm Biol Aviakosm Med** 1987 Jan–Feb;21(1):21–7 (Eng. Abstr.) **(Rus)**

[Acid–base equilibrium and the electrolyte content of the blood plasma in patients with disseminated sclerosis] Unich PP, et al. **Vrach Delo** 1986 Nov;(11):89–91 (Eng. Abstr.) **(Rus)**

[Effects of aminophylline on plasma potassium levels] Cares JL, et al. **Rev Med Chil** 1986 Sep;114(9):828–31 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Variability in potassium removal by hemodialysis. Sherman RA, et al. **Am J Nephrol** 1986;6(4):284–8

METABOLISM

Potassium metabolism and therapy in hypertension. Singh RB, et al. **Acta Cardiol (Brux)** 1987;42(2):103–13 (49 ref.)

Tracer permeability of rat cortical blood vessels during regional hypothermia. Schindelmeiser J, et al.
Acta Neuropathol (Berl) 1987;73(4):349–56

Intracellular and extracellular action potentials in frog muscle fibre upon blocking the potassium conductivity. Radicheva N. **Acta Physiol Pharmacol Bulg** 1986;12(2):35–9

Magnesium and octylguanidinium inhibition of monovalent cation translocation in mitochondria. Beaty G, et al.
Acta Physiol Pharmacol Latinoam 1986;36(3):217–32

Effect of corticosteroids on electrolyte transport in the descending colon of the rat. White A, et al.
Acta Physiol Pharmacol Latinoam 1986;36(2):117–25

A membrane protein with a K+ and a Cl– channel. Cherksey BD, et al. **Acta Physiol Scand** 1987 Jan;129(1):137–8

Potassium and chloride fluxes are involved in volume regulation in mouse pancreatic islet cells. Lindström P, et al. **Acta Physiol Scand** 1986 Dec;128(4):541–6

Ca2+ as regulator of transepithelial K+ secretion in isolated frog skin. Nielsen R. **Acta Physiol Scand** 1987 Aug; 130(4):723–4

A potassium channel modulated by glucose metabolism in rat pancreatic beta-cells. Ashcroft FM, et al.
Adv Exp Med Biol 1986;211:53–62

Glucose suppresses ATP-inhibited K-channels in pancreatic beta-cells. Cook DL, et al. **Adv Exp Med Biol** 1986; 211:63–7

Voltage-activated Ca2+ and K+ currents in an insulin-secreting cell line (RINm5F). Findlay I, et al.
Adv Exp Med Biol 1986;211:177–87

Potassium channels in adrenocortical and parathyroid cells. Lopez-Barneo J, et al. **Adv Exp Med Biol** 1986;211:125–37

Glucose-evoked changes in [K+] and [Ca2+] in the intercellular spaces of the mouse islet of Langerhans. Perez-Armendariz E, et al. **Adv Exp Med Biol** 1986; 211:31–51

Inhibition of K-channels in insulin secreting cells. Petersen OH, et al. **Adv Exp Med Biol** 1986;211:77–82

Electrophysiological measurements show marked differences in the properties of the pancreatic beta-cell K-channels from albino mice and a strain of ob/ob (obese) mice. Rosario LM. **Adv Exp Med Biol** 1986;211:95–107

Single K-channel activity in fish islet cells. Santos RM, et al. **Adv Exp Med Biol** 1986;211:109–23

Local PO2 in relation to intracellular pH, cell membrane potential and potassium leakage in hypoxia and shock. Silver IA. **Adv Exp Med Biol** 1973;37A:223–31

Calcium and potassium currents recorded from pancreatic beta-cells under voltage clamp control. Trube G, et al.
Adv Exp Med Biol 1986;211:167–75

Extracellular K+, microflow and NAD/NADH changes in focal cerebral ischemia in cats. Urbanics R, et al.
Adv Exp Med Biol 1986;200:301–4

Do superfused mast cells release histamine by endogenous cation exchange with potassium ions? Uvnäs B, et al.
Agents Actions 1987 Apr;20(3–4):146–8

Outward Na–K–Cl cotransport in human red blood cells: a methodological evaluation of method for epidemiologic investigations. Trevisan M, et al. **Am J Epidemiol** 1987 May;125(5):860–8

Magnesium deficiency: pathogenesis, prevalence, and clinical implications. Whang R. **Am J Med** 1987 Mar 20; 82(3A):24–9

The effect of N,N'-p-phenylenedimaleimide (PMD) on deoxygenation-induced K loss in sickle erythrocytes. Wall SN, et al. **Am J Med Sci** 1987 Aug;294(2):105–9

Measurement of Na+–K+ coupling ratio of Na+–K+–ATPase in rabbit proximal tubules. Avison MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C126–36

Effect of N-ethylmaleimide on K transport in density-separated human red blood cells. Berkowitz LR, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C7–12

Nuclear magnetic resonance studies of intracellular ions in perfused frog heart. Burstein D, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1138–46

Effects of insulin and epinephrine on Na+–K+ and glucose transport in soleus muscle. Clausen T, et al.
Am J Physiol 1987 Apr;252(4 Pt 1):E492–9

Volume regulatory influx of electrolytes from plasma to brain during acute hyperosmolality. Cserr HF, et al.
Am J Physiol 1987 Sep;253(3 Pt 2):F530–7

Voltage-dependent Ba2+ block of K+ channels in apical membrane of frog skin. De Wolf I, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C696–706

K+–H+ exchange and volume homeostasis in brown adipose tissue mitochondria. DiResta DJ, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):R787–93

K-Cl transport systems in rabbit renal basolateral membrane vesicles. Eveloff J, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F883–9

Ca-activated K channels in apical membrane of mammalian CCT, and their role in K secretion. Frindt G, et al.
Am J Physiol 1987 Mar;252(3 Pt 2):F458–67

Selectable mutations altering two mechanisms of mammalian K+ transport are dominant. Gargus JJ. **Am J Physiol** 1987 May;252(5 Pt 1):C515–22

Ca2+–activated K+ channels in cultured medullary thick ascending limb cells. Guggino SE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C121–7

Blocking agents of Ca2+–activated K+ channels in cultured medullary thick ascending limb cells. Guggino SE, et al.
Am J Physiol 1987 Feb;252(2 Pt 1):C128–37

Ionic dependence of active Na–K transport: "clamping" of cellular Na+ with monensin. Haber RS, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):F26–33

Coupling of Na–H exchange and Na–K pump activity in cultured rat proximal tubule cells. Harris RC, et al.
Am J Physiol 1986 Nov;251(5 Pt 1):C815–24

The kidney in potassium depletion. II. K+ handling by the isolated perfused rat kidney. Hayashi M, et al.
Am J Physiol 1987 Mar;252(3 Pt 2):F447–52

The kidney in potassium depletion. I. Na+–K+–ATPase activity and [3H]ouabain binding in MCT. Hayashi M, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F437–46

Rectification of muscarinic K+ current by magnesium ion in guinea pig atrial cells. Horie M, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H210–4

Regulation of single potassium ion channels from apical membrane of rabbit collecting tubule. Hunter M, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):F725–33

Voltage- and time-dependent block of iK1 underlying Ba2+-induced ventricular automaticity. Imoto Y, et al.
Am J Physiol 1987 Feb;252(2 Pt 2):H325–33

Na+–K+ pump in chronic renal failure. Kaji D, et al.
Am J Physiol 1987 May;252(5 Pt 2):F785–93 (86 ref.)

Regulatory volume decrease in perfused proximal nephron: evidence for a dumping of cell K+. Kirk KL, et al.
Am J Physiol 1987 May;252(5 Pt 2):F933–42

Associations between transports of alanine and cations across cell membrane in rat hepatocytes. Kristensen LO.
Am J Physiol 1986 Nov;251(5 Pt 1):G575–84 (96 ref.)

Effect of potassium depletion and protein intake in vivo on renal tubular bicarbonate transport in vitro. McKinney TD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F509–16

Volume regulatory loss of Na, Cl, and K from rat brain during acute hyponatremia. Melton JE, et al.
Am J Physiol 1987 Apr;252(4 Pt 2):F661–9

ADH increases apical Na+, K+, 2Cl– entry in mouse medullary thick ascending limbs of Henle. Molony DA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F177–87

Effect of insulin on renal potassium metabolism. Rossetti L, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F60–4

Ion transport in circulatory and/or septic shock. Sayeed MM.
Am J Physiol 1987 May;252(5 Pt 2):R809–21 (67 ref.)

Mechanism of potassium depletion during chronic metabolic acidosis in the rat. Scandling JD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F122–30

Potassium transport in cortical collecting tubules from mineralocorticoid-treated rat. Schafer JA, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):F76–88

Substance P and acetylcholine both suppress the same K+ current in dissociated smooth muscle cells. Sims SM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C580–7

Effect of vasopressin analogue (dDAVP) on potassium transport in medullary collecting duct. Sonnenberg H, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F986–91

K transport in upper portion of descending limbs of long-loop nephron from hamster. Tabei K, et al.
Am J Physiol 1987 Mar;252(3 Pt 2):F387–92

Time-dependent apical membrane K+ and Na+ selectivity in cultured kidney cells. Thomas SR, et al.
Am J Physiol 1987 Jul;253(1 Pt 1):C1–6

Ammonium ion substitutes for K+ in ATP-dependent Na+ transport by basolateral membrane vesicles. Towle DW, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R479–89

Cholinergic regulation of Na absorption by turtle colon: role of basolateral K conductance. Venglarik CJ, et al.
Am J Physiol 1986 Oct;251(4 Pt 1):C563–70

The influence of hypocarbia on the resolution of transient increases in brain extracellular potassium. Mutch WA, et al. **Anesthesiology** 1987 Mar;66(3):350–5

Free concentrations of Na, K, and Cl in the retina of the honeybee drone: stimulus-induced redistribution and homeostasis. Coles JA, et al. **Ann NY Acad Sci** 1986; 481:303–17

A new framework for assessment of potassium-buffering mechanisms. Gardner-Medwin AR. **Ann NY Acad Sci** 1986;481:287–302

Potassium transport in astrocytes and neurons in primary cultures. Hertz L. **Ann NY Acad Sci** 1986;481:318–33

Regional specialization of the membrane of retinal glial cells and its importance to K+ spatial buffering. Newman EA.
Ann NY Acad Sci 1986;481:273–86

Glial–interstitial fluid exchange. Orkand RK.
Ann NY Acad Sci 1986;481:269–72

Effect of glycerol on inner ear fluid electrolytes and osmolalities in guinea pigs. Ueda H, et al.
Ann Otol Rhinol Laryngol 1987 Jul–Aug;96(4):461–7

Age-dependent alterations of the intracellular water and electrolyte content of heart and muscle cells. Lustyik G.
Arch Gerontol Geriatr 1986 Dec;5(4):291–6

Cation transport in the ampulla of the semicircular canal and in the endolymphatic sac. Mori N, et al.
Arch Otorhinolaryngol 1987;244(1):61–5

Effects of the calcium antagonist gallopamil on the increase of myocardial extracellular potassium activity during LAD occlusion in dogs. Budden M, et al. **Basic Res Cardiol** 1987 May–Jun;82(3):279–89

Acetylcholine blocks Ca++-induced closure of outward K+ currents in isolated patches of canine atrial myocyte sarcolemma. Bubien JK, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):1039–45

Effect of lysophosphatidylcholine on K+ transport in rat heavy gastric membranes enriched with (H+–K+)-ATPase. Im WB, et al.
Biochem Biophys Res Commun 1987 Jul 31;146(2):840–8

Effects of abscisic acid on K+ channels in Vicia faba guard cell protoplasts. Schauf CL, et al.
Biochem Biophys Res Commun 1987 May 29;145(1):284–90

The antidiabetic sulfonylurea glibenclamide is a potent blocker of the ATP-modulated K+ channel in insulin secreting cells. Schmid-Antomarchi H, et al.
Biochem Biophys Res Commun 1987 Jul 15;146(1):21–5

Effects of AGEPC on the intracellular levels of ions in Tetrahymena pyriformis. Tselepis A, et al. **Biochem Int** 1986 Dec;13(6):999–1008

Equilibrium cation binding selectivity of the carboxylic ionophore narasin A: a comparison with transport selectivities reported in two biological test systems. Caughey B, et al. **Biochem Pharmacol** 1986 Nov 15; 35(22):4103–5

Digitonin perfusion in the study of metabolic zonation of the rat liver: potassium as an intracellular concentration reference. Quistorff B. **Biochem Soc Trans** 1987 Jun; 15(3):361–3

Amphotericin B enhanced anomalous potential difference response to changes in aqueous K+ in frog cornea. Carrasquer G, et al. **Biochim Biophys Acta** 1986 Nov 6; 862(1):178–84

Thiocyanate and bromide ions influence the bilayer structural parameters of phosphatidylcholine bilayers. Cunningham BA, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):237–42

Na+, K+ and Cl– transport in isolated small intestinal cells from guinea pig. Evidences for the existence of a second Na+ pump. Del Castillo JR, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):209–16

Temperature dependence of Ca2+–activated K+ currents in the membrane of human erythrocytes. Grygorczyk R. **Biochim Biophys Acta** 1987 Aug 20;902(2):159–68

Fluctuations of the Ca2+–activated K+ current in Aplysia neurones. Hartung K, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):201–5

Furosemide–sensitive Na+ and K+ transport and human erythrocyte volume. O'Neill WC, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):196–202

Electrophysiology of phagocytic membranes: intracellular K+ activity and K+ equilibrium potential in macrophage polykaryons. Persechini PM, et al. **Biochim Biophys Acta** 1987 May 29;899(2):213–21

Delayed activation of calcium pump during transient increases in cellular Ca2+ concentration and K+ conductance in hyperpolarizing human red cells. Scharff O, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):471–9

Modulation of Ca2+– and voltage–activated K+ channels by internal Mg2+ in salivary acinar cells. Squire LG, et al. **Biochim Biophys Acta** 1987 May 29;899(2):171–5

Potassium conductance in straight proximal tubule cells of the mouse. Effect of barium, verapamil and quinidine. Völkl H, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):275–81

Experimental varicocele does not affect the blood–testis barrier, epididymal electrolyte concentrations, or testicular blood gas concentrations. Turner TT, et al. **Biol Reprod** 1987 May;36(4):926–32

Factors involved in the increase of K+ efflux of erythrocytes in low chloride media. Bernhardt I, et al. **Biomed Biochim Acta** 1987;46(2–3):S36–40

Calcium induced potassium efflux in erythrocytes of marine teleosts. Marino D, et al. **Biomed Pharmacother** 1986; 40(9):345–8

Activity coefficients of salts in highly concentrated protein solutions. II. Potassium salts in isoionic bovine serum albumin solutions. Reboiras MD, et al. **Biophys Chem** 1986 Aug;24(3):249–57

Is the K permeability of the resting membrane controlled by the excitable K channel? Chang DC. **Biophys J** 1986 Dec;50(6):1095–100

On the effect of the intracellular calcium–sensitive K+ channel in the bursting pancreatic beta–cell. Chay TR. **Biophys J** 1986 Nov;50(5):765–77

Multi–ion conduction and selectivity in the high–conductance Ca++–activated K+ channel from skeletal muscle. Eisenman G, et al. **Biophys J** 1986 Dec; 50(6):1025–34

Modulation of aminopyridine block of potassium currents in squid axon. Kirsch GE, et al. **Biophys J** 1986 Oct; 50(4):637–44

External [K+] and the block of the K+ inward rectifier by external Cs+ in frog skeletal muscle. Senyk O. **Biophys J** 1986 Oct;50(4):677–83

Effect of the K+ efflux stimulating vasodilator BRL 34915 on 86Rb+ efflux and spontaneous activity in guinea–pig portal vein. Quast U. **Br J Pharmacol** 1987 Jul;91(3):569–78

Depolarization of brain cortex slices and synaptosomes by lithium. Determination of K+–equilibrium potential in cortex slices. Adam–Vizi V, et al. **Brain Res** 1987 May 5;410(2):257–63

Physiological properties of regenerated rat sciatic nerve following lesions at different postnatal ages. Bowe CM, et al. **Brain Res** 1987 Jul;431(1):123–31

The action of valproate on spontaneous epileptiform activity in the absence of synaptic transmission and on evoked changes in [Ca2+]o and [K+]o in the hippocampal slice. Franceschetti S, et al. **Brain Res** 1986 Oct 29;386(1–2):1–11

Kainate reduces two voltage–dependent potassium conductances in rat hippocampal neurons in vitro. Gho M, et al. **Brain Res** 1986 Oct 22;385(2):411–4

Mammalian optic nerve fibers display two pharmacologically distinct potassium channels. Kocsis JD, et al. **Brain Res** 1986 Sep 24;383(1–2):357–61

pO2–dependent distribution of potassium in hippocampal slices of the guinea pig. Lipinski HG, et al. **Brain Res** 1986 Aug 20;380(2):267–75

Autoradiographic analysis in rat brain of the postnatal ontogeny of voltage–dependent Na+ channels, Ca2+–dependent K+ channels and slow Ca2+ channels identified as receptors for tetrodotoxin, apamin and (–)–desmethoxyverapamil. Mourre C, et al. **Brain Res** 1987 Aug 4;417(1):21–32

Active sodium–potassium transports in skeletal muscles of deoxycorticosterone hypertensive rats. Nagaoka R, et al. **Brain Res** 1987 May 5;410(2):283–91

Anomalous rectification in rat locus coeruleus neurons. Osmanović SS, et al. **Brain Res** 1987 Aug 4;417(1):161–6

Regulation of single potassium channels by serotonin in the cell bodies of the tail mechanosensory neurons of Aplysia californica. Pollock JD, et al. **Brain Res** 1987 May 5; 410(2):367–70

Recovery of synaptic transmission predicted from extracellular K+ undershoots following brief anoxia in hippocampal slices. Roberts EL Jr, et al. **Brain Res** 1987 Jan 27;402(1):178–81

Spontaneous miniature outward currents in cultured bullfrog neurons. Satin LS, et al. **Brain Res** 1987 Jan 20;401(2):331–9

Potassium channels in mouse neonate dorsal root ganglion cells: a patch–clamp study. Simonneau M, et al. **Brain Res** 1987 Jun 2;412(2):224–32

Control of Na+, K+–pump activity in dorsal root ganglionic neurons by different neuronotrophic agents. Skaper SD, et al. **Brain Res** 1986 Oct 29;386(1–2):130–5

Extracellular K+ accumulation during penicillin–induced epileptogenesis in the CA3 region of immature rat hippocampus. Swann JW, et al. **Brain Res** 1986 Dec; 395(2):243–55

Culture environment and channel–mediated potassium fluxes in astrocytes. Walz W, et al. **Brain Res** 1987 Jun 2; 412(2):405–8

Hypothalamic regulation of sodium–potassium pump activity in skeletal muscle. Yoshimatsu H, et al. **Brain Res** 1986 Oct 1;384(1):17–22

Cellular mechanisms of potassium homeostasis in the mammalian nervous system. Grafe P, et al. **Can J Physiol Pharmacol** 1987 May;65(5):1038–42

Transmembrane K+, Na+, and Cl– permeability and conductance changes in the frog sartorius fibres following ouabain and zero [K+]o treatment. Hinke JA. **Can J Physiol Pharmacol** 1987 May;65(5):949–53

Sources and sinks of light–evoked delta [K+]o in the vertebrate retina. Karwoski CJ, et al. **Can J Physiol Pharmacol** 1987 May;65(5):1009–17 (44 ref.)

K+ and Cl– uptake by cultured oligodendrocytes. Kettenmann H. **Can J Physiol Pharmacol** 1987 May; 65(5):1033–7

Potassium loss from hypoxic myocardium: influence of external K concentration. Leblanc N, et al. **Can J Physiol Pharmacol** 1987 May;65(5):861–6

Temporal relationship between neurotransmitter release and ion flux during spreading depression and anoxia. Moghaddam B, et al. **Can J Physiol Pharmacol** 1987 May; 65(5):1105–10

Electrophysiological evidence for ammonium as a substitute for potassium in activating the sodium pump in a crayfish sensory neuron. Moser H. **Can J Physiol Pharmacol** 1987 Feb;65(2):141–5

Regulation of potassium levels by Müller cells in the vertebrate retina. Newman EA. **Can J Physiol Pharmacol** 1987 May;65(5):1028–32

Measurement of potassium turnover in rod photoreceptors in toad isolated retina using ion–selective microelectrodes. Oakley B 2d. **Can J Physiol Pharmacol** 1987 May; 65(5):1018–27

Effect of potassium concentration and ouabain on the renal adaptation to potassium depletion in isolated perfused rat kidney. Ornt DB. **Can J Physiol Pharmacol** 1986 Nov; 64(11):1427–33

Single voltage–dependent K+ and Cl– channels in cultured rat astrocytes. Sonnhof U. **Can J Physiol Pharmacol** 1987 May;65(5):1043–50

Modulation of spinal cord transmission by changes in extracellular K+ activity and extracellular volume. Syková E. **Can J Physiol Pharmacol** 1987 May;65(5):1058–66

Rate dependence of ischaemic myocardial depolarisation: evidence for a novel membrane current. Blake K, et al. **Cardiovasc Res** 1986 Aug;20(8):557–62

Impact of changes in intracellular Ca2+ and K+ concentration on the development of hormonal imprinting in a Tetrahymena model system. Köhidai L, et al. **Cell Mol Biol** 1987;33(2):265–74

Changes in intracellular K+ and Na+ ion concentrations during cell growth and differentiation. Takagi K, et al. **Cell Struct Funct** 1986 Sep;11(3):235–43

Synthetic hydrated aluminum silicates as oral adsorbents of potassium ion. Ishibashi M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2973–8

Catecholamine–induced myocardial potassium uptake mediated by beta 1–adrenoceptors and adenylate cyclase activation in the pig. Ellingsen O, et al. **Circ Res** 1987 Apr; 60(4):540–50

Depolarization–stimulated 42K+ efflux in rat aorta is calcium– and cellular volume–dependent. Magliola L, et al. **Circ Res** 1987 Jul;61(1):1–11

The (Na+–K+–Cl–) co–transport system. Chipperfield AR. **Clin Sci** 1986 Nov;71(5):465–76 (103 ref.)

Apical membrane potentials and intracellular potassium and sodium activities in the gallbladder of the freshwater turtle Mauremys caspica. Acevedo M, et al. **Comp Biochem Physiol [A]** 1986;85(1):143–7

L–antigen and active potassium transport in HK and LK red cells of Barbary sheep (Ammotragus lervia). Stein JM, et al. **Comp Biochem Physiol [A]** 1987;87(3):711–6

Sodium and potassium saturation kinetics of Na+K+–ATPase in plasma membranes from corneal endothelium: fresh tissue vs. tissue culture. Whikehart DR, et al. **Curr Eye Res** 1987 May;6(5):709–17

K–Na transport: the Brewer model replaces the active transport model. Neulieb RL, et al. **Cytobios** 1987; 49(196):57–63

Regulation of the concentration of 3H–ouabain binding sites in mammalian skeletal muscle—effects of age, K–depletion, thyroid status and hypertension. Kjeldsen K. **Dan Med Bull** 1987 Mar;34(1):15–46 (197 ref.)

Diabetes decreases Na+–K+ pump concentration in skeletal muscles, heart ventricular muscle, and peripheral nerves of rat. Kjeldsen K, et al. **Diabetes** 1987 Jul;36(7):842–8

Stimulation of active Na+ and K+ transport by thyroid hormone in a rat liver cell line: role of enhanced Na+ entry. Ismail–Beigi F, et al. **Endocrinology** 1986 Dec; 119(6):2527–36

Fluctuations of alpha cell calcium, potassium and sodium during amino acid perifusion of rat pancreatic islets. Kalkhoff RK, et al. **Endocrinology** 1987 Jul;121(1):429–31

Excitation–secretion coupling: ionic currents in glomerulosa cells: effects of adrenocorticotropin and K+ channel blockers. Payet MD, et al. **Endocrinology** 1987 Sep; 121(3):875–82

Effects of N–alcohols on potassium conductance in squid giant axons. Paternostre M, et al. **Eur Biophys J** 1987; 14(5):279–88

Perivascular nerve stimulation and phenylephrine responses in rat liver. Metabolic effects, Ca2+ and K+ fluxes. Häussinger D, et al. **Eur J Biochem** 1987 Feb 16; 163(1):197–203

Inhibition of proto–oncogene c–fos transcription by inhibitors of protein kinase C and ion transport. Shibanuma M, et al. **Eur J Biochem** 1987 Apr 1;164(1):15–9

Effect of diltiazem on ischemic myocardial depolarization and extracellular K+ accumulation. Blake K, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):261–5

Prolongation of the action potential and reduction of the delayed outward K+ current by halothane in single frog atrial cells. Hirota K, et al. **Eur J Pharmacol** 1986 Jul 31; 126(3):293–5

A possible role for K+ channels in tumor cell injury. Membrane vesicle shedding and nuclear DNA fragmentation. Liepins A, et al. **Exp Cell Res** 1987 Apr; 169(2):385–94

Greater disturbance of water and ion homeostasis in the periphery of experimental focal cerebral ischemia. Kato H, et al. **Exp Neurol** 1987 Apr;96(1):118–26

Potassium translocation and spreading depression induced by electrical stimulation of the brain. Reid KH, et al. **Exp Neurol** 1987 Aug;97(2):345–64

Altered K+ movement in liver mitochondria from alloxan diabetic rats. Garrick RA. **Experientia** 1986 Sep 15; 42(9):1020–1

42K spaces in submandibular gland of early postnatal rats: effects of carbachol and transport inhibitors. Martinez JR, et al. **Experientia** 1986 Sep 15;42(9):1005–6

Differential sensitivity of amphibian nodal and paranodal K+ channels to 4–aminopyridine and TEA. Schauf CL. **Experientia** 1987 Apr 15;43(4):405–8

Internal perfusion of guinea–pig hepatocytes with buffered Ca2+ or inositol 1,4,5–trisphosphate mimics noradrenaline activation of K+ and Cl– conductances. Capiod T, et al. **FEBS Lett** 1987 Jun 15;217(2):247–52

Hormonal regulation of pituitary GH3 cell K+ channels by Gk is mediated by its alpha–subunit. Codina J, et al. **FEBS Lett** 1987 May 25;216(1):104–6

Ca–dependent–chloride and potassium currents in rat Leydig cells. Duchatelle P, et al. **FEBS Lett** 1987 Jun 8;217(1):11–5

Scorpion venom inhibits selectively Ca2+–activated K+ channels in situ. Leneveu E, et al. **FEBS Lett** 1986 Dec 15;209(2):165–8

A large conductance, voltage– and calcium–activated K+ channel in the basolateral membrane of rat enterocytes. Morris AP, et al. **FEBS Lett** 1986 Sep 29;206(1):87–92

Potassium channels along the nephron. Hunter M, et al. **Fed Proc** 1986 Nov;45(12):2723–6

Potassium channels from chick lens epithelium. Rae JL. **Fed Proc** 1986 Nov;45(12):2718–22

Central nervous system influence of prostaglandin E2 on jejunal water and electrolyte transport in conscious dogs. Primi MP, et al. **Gastroenterology** 1986 Dec;91(6):1427–32

Local anaesthetics inhibit influx of calcium, sodium and potassium into rat ileum, diaphragm and human isolated saphenous vein. Wali FA, et al. **Gen Pharmacol** 1987; 18(4):351–5

Modification of primary amino groups in rat heart sarcolemma by 2,4,6–trinitrobenzene sulfonic acid in respect to the activities of (Na+ + K+)–ATPase, Na+–ATPase and pNPPase. Function of the potassium binding sites. Breier A, et al. **Gen Physiol Biophys** 1987 Feb;6(1):103–8

Heart sarcolemmal (Na+ + K+)–ATPase has an essential amino group in the potassium binding site on the enzyme molecule. Breier A, et al. **Gen Physiol Biophys** 1986 Oct; 5(5):537–44

Effects of Na–octanoate on potassium contractures in normal and denervated frog tonic fibres. Kössler F, et al. **Gen Physiol Biophys** 1986 Oct;5(5):485–94

Parallel pathways of potassium transport in the alga Hydrodictyon reticulatum. Effects of calcium. Nelpurková L, et al. **Gen Physiol Biophys** 1987 Jun;6(3):263–70

Inverse modulation of extracellular Na+- and K+-activities by ascorbate or methylene blue. Puppi A, et al. **Gen Physiol Biophys** 1986 Apr;5(2):187–91

TEA-insensitive K-channels in the crab giant axon. Soria B, et al. **Gen Physiol Biophys** 1986 Dec;5(6):575–80

Acute effects of dexamethasone on cation transport in colonic epithelium. Sandle GI, et al. **Gut** 1987 Jun;28(6):701–6

Kaluresis independent K homeostasis in dogs: activity after ureter ligation and pancreatectomy. Hiatt N, et al. **Horm Metab Res** 1987 Jul;19(7):300–3

Mouse soleus muscle Na-K pump activity: direct correlation with in vitro and in vivo oxygen consumption. Saddlier S, et al. **Horm Metab Res** 1986 Nov;18(11):757–60

Aldosterone responsiveness to an acute potassium load in diabetes mellitus and chronic renal insufficiency. Perez GO, et al. **Horm Res** 1987;27(1):30–5

Reduced electrogenic sodium-potassium pump in arterioles during renovascular hypertension. Lombard JH, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III86–90

Cataracts and hypertension in salt-sensitive rats. A possible ion transport defect. Rodríguez-Sargent C, et al. **Hypertension** 1987 Mar;9(3):304–8

Reduced sodium concentration and increased sodium-potassium pump activity of erythrocytes in human hypertension. Simon G, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III13–8

Sodium pump activity and calcium relaxation in vascular smooth muscle of deoxycorticosterone acetate-salt rats. Soltis EE, et al. **Hypertension** 1986 Nov;8(11):1032–9

Effects of high potassium or low sodium diet on vascular Na+,K+-ATPase activity and blood pressure in young spontaneously hypertensive rats. Sugden AL, et al. **Hypertension** 1987 Jun;9(6):571–5

Kinetic analysis of erythrocyte Na+-K+ pump and cotransport in essential hypertension. Tuck ML, et al. **Hypertension** 1987 Aug;10(2):204–11

Importance of endogenous substrates in synaptosomal functions. Kálmán M, et al. **Int J Neurosci** 1987 May; 34(1-2):19–26

Myocardial potassium loss after acute coronary occlusion in humans. Webb SC, et al. **J Am Coll Cardiol** 1987 Jun; 9(6):1230–4

Effect of dietary phosphorus and roughage levels on calcium, magnesium and potassium utilization by sheep. Lopes HO, et al. **J Anim Sci** 1986 Dec;63(6):1983–9

Effect of dietary supplements of sodium or potassium bicarbonate on short-term macromineral balance in swine. Patience JF, et al. **J Anim Sci** 1987 Apr;64(4):1079–85

The antibiotic W341C, its ion transport properties and inhibitory effects on mitochondrial substrate oxidation. Wehbie RS, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):887–93

Effects of sympathetic nerve stimulation in the presence of specific adrenergic antagonists on Na, K, and Cl transport in perfused rat submandibular duct. Jirakulsomchok D, et al. **J Auton Nerv Syst** 1987 Jun;19(3):255–9

Evidence for multiple K+ export systems in Escherichia coli. Bakker EP, et al. **J Bacteriol** 1987 Aug;169(8):3743–9

High-affinity potassium uptake system in Bacillus acidocaldarius showing immunological cross-reactivity with the Kdp system from Escherichia coli. Bakker EP, et al. **J Bacteriol** 1987 Sep;169(9):4342–8

Physical mapping of the K+ transport trkA gene of Escherichia coli and overproduction of the TrkA protein. Hamann A, et al. **J Bacteriol** 1987 Jul;169(7):3138–45

Low-affinity potassium uptake system in Bacillus acidocaldarius. Michels M, et al. **J Bacteriol** 1987 Sep; 169(9):4335–41

Osmotic regulation of transcription: induction of the proU betaine transport gene is dependent on accumulation of intracellular potassium. Sutherland L, et al. **J Bacteriol** 1986 Nov;168(2):805–14

Interaction of sodium and potassium ions with Na+, K+-ATPase. III. Cooperative effect of ATP and Na+ on complete release of K+ from E2K. Homareda H, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):789–93

Inhibition of ATP-regulated K+ channels precedes depolarization-induced increase in cytoplasmic free Ca2+ concentration in pancreatic beta-cells. Arkhammar P, et al. **J Biol Chem** 1987 Apr 25;262(12):5448–54

Rapid release of 42K and 86Rb from an occluded state of the Na,K-pump in the presence of ATP or ADP. Forbush B 3d. **J Biol Chem** 1987 Aug 15;262(23):11104–15

Rapid release of 42K or 86Rb from two distinct transport sites on the Na,K-pump in the presence of Pi or vanadate. Forbush B 3d. **J Biol Chem** 1987 Aug 15;262(23):11116–27

Purification of charybdotoxin, a specific inhibitor of the high-conductance Ca2+-activated K+ channel. Smith C, et al. **J Biol Chem** 1986 Nov 5;261(31):14607–13

Energy-dispersive, bulk specimen X-ray microanalytical measurement of the intracellular Na+/K+ ratio in human laryngeal tumors. Nagy I, et al. **J Cancer Res Clin Oncol** 1987;113(2):197–202

Effect of acute serum depletion on Na+-K+ homeostasis in cultured human skin fibroblasts. Hopp L, et al. **J Cell Physiol** 1987 Jun;131(3):318–29

Irreversible reduction in potassium fluxes accompanies terminal differentiation of human myoblasts to myotubes. Panet R, et al. **J Cell Physiol** 1987 Jul;132(1):57–64

Stimulation of beta-adrenoceptors inhibits calcium-dependent potassium-channels in mouse macrophages. Rosati C, et al. **J Cell Physiol** 1986 Dec; 129(3):310–4

Elevation of a potassium current in differentiating human leukemic (HL-60) cells. Wieland SJ, et al. **J Cell Physiol** 1987 Aug;132(2):371–5

99mTc-pertechnetate uptake in parotid acinar cells by the Na+/K+/Cl- co-transport system. Helman J, et al. **J Clin Invest** 1987 May;79(5):1310–3

Sodium-potassium pump, ion fluxes, and cellular dehydration in sickle cell anemia. Izumo H, et al. **J Clin Invest** 1987 Jun;79(6):1621–8

Cation depletion by the sodium pump in red cells with pathologic cation leaks. Sickle cells and xerocytes. Joiner CH, et al. **J Clin Invest** 1986 Dec;78(6):1487–96

Independent effects of aldosterone and potassium on induction of potassium adaptation in rat kidney. Stanton B, et al. **J Clin Invest** 1987 Jan;79(1):198–206

Regulation by adrenal corticosteroids of sodium and potassium transport in loop of Henle and distal tubule of rat kidney. Stanton BA. **J Clin Invest** 1986 Dec; 78(6):1612–20

K+ and Ca++ in the receptor lymph of arthropod cuticular mechanoreceptors. Grünert U, et al. **J Comp Physiol [A]** 1987 Aug;161(2):329–33

Is the stoichiometry of the parotid co-transporter 1 Na: 1 K: 2 Cl? Hedemark Poulsen J, et al. **J Dent Res** 1987 Feb; 66(2):608–9

Cholinergic receptor-regulation of potassium channels and potassium transport in human submandibular acinar cells. Morris AP, et al. **J Dent Res** 1987 Feb;66(2):541–6

Parathyroid hormone stimulation of the Na+/K+ pump in rat clonal osteosarcoma cells. De Luise M, et al. **J Endocrinol** 1[illegible] Oct;111(1):61–6

Allosteric effects ... Mg2+ on the gating of Ca2+-activated K+ channels from mammalian skeletal muscle. Golowasch J, et al. **J Exp Biol** 1986 Sep;124:5–13

Messenger-mediated control of potassium channels in secretory cells. Petersen OH, et al. **J Exp Biol** 1986 Sep; 124:33–52

Modulation of the serotonin-sensitive potassium channel in Aplysia sensory neurone cell body and growth cone. Siegelbaum SA, et al. **J Exp Biol** 1986 Sep;124:287–306

Changes in the expression of potassium channels during mouse T cell development. McKinnon D, et al. **J Exp Med** 1986 Dec 1;164(6):1846–61

Urates and allantoic regulation in embryonic Japanese quail, Coturnix coturnix japonica. McNabb RA. **J Exp Zool** 1986 Oct;240(1):9–15

Selectivity to K+ and Na+ of protoplast fractions isolated from different regions of Aspergillus nidulans hyphae. Isaac S, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1173–9

Coupled Na/K/Cl efflux. "Reverse" unidirectional fluxes in squid giant axons. Altamirano AA, et al. **J Gen Physiol** 1987 May;89(5):669–86

Charybdotoxin selectively blocks small Ca-activated K channels in Aplysia neurons. Hermann A, et al. **J Gen Physiol** 1987 Jul;90(1):27–47

A time- and voltage-dependent K+ current in single cardiac cells from bullfrog atrium. Hume JR, et al. **J Gen Physiol** 1986 Dec;88(6):777–98

Modification of K conductance of the squid axon membrane by SITS. Inoue I. **J Gen Physiol** 1986 Oct;88(4):507–20

A comparison of calcium-activated potassium channel currents in cell-attached and excised patches. Pallotta BS, et al. **J Gen Physiol** 1987 Jun;89(6):985–97

A time-dependent and voltage-sensitive K+ current in single cells from frog atrium. Simmons MA, et al. **J Gen Physiol** 1986 Dec;88(6):739–55

Intracellular cations and transmembrane cation transport in essential hypertension: the importance of controlled clinical observations. Bramley PM, et al. **J Hypertens** 1986 Oct; 4(5):589–96

Voltage and Ca2+-activated K+ channel in cultured epithelial cells (MDCK). Bolívar JJ, et al. **J Membr Biol** 1987;97(1):43–51

A Ca-dependent K channel in "luminal" membranes from the renal outer medulla. Burnham C, et al. **J Membr Biol** 1986; 93(2):177–86

ATP-sensitive K+ channels in an insulin-secreting cell line are inhibited by D-glyceraldehyde and activated by membrane permeabilization. Dunne MJ, et al. **J Membr Biol** 1986;93(3):271–9

Inwardly rectifying single-channel and whole cell K+ currents in rat ventricular myocytes. Josephson IR, et al. **J Membr Biol** 1986;94(1):19–35

Ammonium transport in medullary thick ascending limb of rabbit kidney: involvement of the Na+,K+,Cl(-)-cotransporter. Kinne R, et al. **J Membr Biol** 1986;94(3):279–84

The correlation of composition and morphology during the high to low potassium transition in single erythropoietic cells. Kirk RG, et al. **J Membr Biol** 1983;76(3):281–7

Reconstitution in phospholipid vesicles of calcium-activated potassium channel from outer renal medulla. Klaerke DA, et al. **J Membr Biol** 1987;95(2):105–12

Characterization of a Ca-dependent maxi K channel in the apical membrane of a cultured renal epithelium (JTC-12.P3). Kolb HA, et al. **J Membr Biol** 1986; 92(3):207–15

Potassium-selective ion channels in a transformed insulin-secreting cell line. Light DB, et al. **J Membr Biol** 1987;95(1):63–72

Na-K-2Cl cotransport in winter flounder intestine and bovine kidney outer medulla: [3H] bumetanide binding and effects of furosemide analogues. O'Grady SM, et al. **J Membr Biol** 1987;96(1):11–8

Evidence for the involvement of calmodulin in the operation of Ca-activated K channels in mouse fibroblasts. Okada Y, et al. **J Membr Biol** 1987;96(2):121–8

Apical membrane K conductance in the toad urinary bladder. Palmer LG. **J Membr Biol** 1986;92(3):217–26

Single-channel analysis of the potassium permeability in HeLa cancer cells: evidence for a calcium-activated potassium channel of small unitary conductance. Sauvé R, et al. **J Membr Biol** 1986;92(3):269–82

Potassium transport in the rabbit renal proximal tubule: effects of barium, ouabain, valinomycin, and other ionophores. Soltoff SP, et al. **J Membr Biol** 1986; 94(2):153–61

Zinc inhibition of potassium efflux in depolarized frog muscle and its modification by external hydrogen ions and diethylpyrocarbonate treatment. Spalding BC, et al. **J Membr Biol** 1986;93(2):157–64

Influence of external barium and potassium on potassium efflux in depolarized frog sartorius muscles. Spalding BC, et al. **J Membr Biol** 1986;93(2):141–56

Evidence for a Na+/K+/Cl- cotransport system in basolateral membrane vesicles from the rabbit parotid. Turner RJ, et al. **J Membr Biol** 1986;94(2):143–52

Regulation of K+ channels in the basolateral membrane of Necturus oxyntic cells. Ueda S, et al. **J Membr Biol** 1987; 97(1):31–41

Intra- and extracellular potassium activities and the potassium equilibrium potential in partially depolarized human atrial cells. McCullough JR, et al. **J Mol Cell Cardiol** 1987 May;19(5):477–86

Heart Na,K-ATPase activity in cardiomyopathic hamsters as estimated from K-dependent 3-O-MFPase activity in crude homogenates. Nørgaard A, et al. **J Mol Cell Cardiol** 1987 Jun;19(6):589–94

Relationships among ATP synthesis, K+ gradients, and neurotransmitter amino acid levels in isolated rat brain synaptosomes. Dagani F, et al. **J Neurochem** 1987 Oct; 49(4):1229–40

In vitro characterization of neurons in the ventral part of the nucleus tractus solitarius. II. Ionic basis for repetitive firing patterns. Dekin MS, et al. **J Neurophysiol** 1987 Jul; 58(1):215–29

Conductance changes underlying a late synaptic hyperpolarization in hippocampal CA3 neurons. Hablitz JJ, et al. **J Neurophysiol** 1987 Jul;58(1):160–79

Sodium-potassium pump inhibitors increase neuronal excitability in the rat hippocampal slice: role of a Ca2+-dependent conductance. McCarren M, et al. **J Neurophysiol** 1987 Feb;57(2):496–509

Forskolin's effect on transient K current in nudibranch neurons is not reproduced by cAMP. Coombs J, et al. **J Neurosci** 1987 Feb;7(2):443–52

Immunocytochemical and electrophysiological differentiation of rat cerebellar granule cells in explant cultures. Hockberger PE, et al. **J Neurosci** 1987 May; 7(5):1370–83

Blockade of Ca2+ and K+ currents in bag cell neurons of Aplysia californica by dihydropyridine Ca2+ antagonists. Nerbonne JM, et al. **J Neurosci** 1987 Mar; 7(3):882–93

Ionic channels in mouse astrocytes in culture. Nowak L, et al. **J Neurosci** 1987 Jan;7(1):101–9

Ionic mechanism of the outward current induced by intracellular injection of inositol trisphosphate into Aplysia neurons. Sawada M, et al. **J Neurosci** 1987 May; 7(5):1470–83

Solubilization of the apamin receptor associated with a calcium-activated potassium channel from rat brain. Seagar MJ, et al. **J Neurosci** 1987 Feb;7(2):565–70

m-Azido-phencyclidine covalently labels the rat brain PCP receptor, a putative K channel. Sorensen RG, et al. **J Neurosci** 1986 Dec;6(12):3676–81

Gene dosage and complementation analysis of the Shaker locus in Drosophila. Timpe LC, et al. **J Neurosci** 1987 May; 7(5):1307–17

Measurement of total body potassium in premature infants by means of a whole-body counter. Spady DW, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):750–5

Effect of canrenone on the disturbances of cation handling induced by ouabain in macrophages and vascular smooth muscle cells. Hannaert P, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):867–72

Dendrotoxin blocks potassium channels and slows sodium inactivation in Myxicola giant axons. Schauf CL. **J Pharmacol Exp Ther** 1987 Jun;241(3):793–6

Characterization of the alpha-1 adrenergic receptors in the thoracic aorta of control and aldosterone hypertensive rats: correlation of radioligand binding with potassium efflux and contraction. Smith JM, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):882–90

Actions of flunarizine, a Ca++ antagonist, on ionic currents in fragmented smooth muscle cells of the rabbit small intestine. Terada K, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):978–83

Effects of mono and divalent cations on total and partial reactions catalysed by pig kidney Na,K-ATPase. Beaugé L, et al. **J Physiol (Lond)** 1986 Jun;375:1–25

The dependence on external cation of sodium and potassium fluxes across the human red cell membrane at low temperatures. Blackstock EJ, et al. **J Physiol (Lond)** 1986

Jun;375:403–20
Intracellular potassium as a possible inducer of amino acid transport across hamster jejunal enterocytes. Cremaschi D, et al. **J Physiol (Lond)** 1986 Jun;375:107–19
Potassium uptake in the mouse submandibular gland is dependent on chloride and sodium and abolished by piretanide. Exley PM, et al. **J Physiol (Lond)** 1986 Sep; 378:97–108
Steady-state analysis of ion fluxes in Necturus gall-bladder epithelial cells. Hill AE, et al. **J Physiol (Lond)** 1987 Jan; 382:15–34
The order of addition of sodium and release of potassium at the inside of the sodium pump of the human red cell. Sachs JR. **J Physiol (Lond)** 1986 Dec;381:149–68
Diuretics and potassium in the elderly. Levy DW, et al. **J R Coll Physicians Lond** 1987 Apr;21(2):148–52 (79 ref.)
Potassium homeostasis in pregnancy. Lindheimer MD, et al. **J Reprod Med** 1987 Jul;32(7):517–22
Feasibility of overnight urine for assessing dietary intakes of sodium, potassium, protein and sulfur amino acids in field studies. Ogawa M. **Jpn Circ J** 1986 Jul;50(7):595–600
Effects of a K ionophore, lonomycin A, on the action potential in canine cardiac Purkinje fibers. Tsuchida K, et al. **Jpn J Pharmacol** 1986 Jul;41(3):353–61
Role of K+ conductive pathways in the nephron. Greger R, et al. **Kidney Int** 1987 May;31(5):1055–64 (100 ref.)
Potassium recycling. Jamison RL. **Kidney Int** 1987 Mar; 31(3):695–703 (57 ref.)
Mechanism of enhanced transcellular potassium–secretion in man with chronic renal failure. Panese S, et al. **Kidney Int** 1987 Jun;31(6):1377–82
Paradoxical potassium depletion: a renal mechanism for extrarenal potassium adaptation. Spital A, et al. **Kidney Int** 1986 Oct;30(4):532–7
Hemodialysate composition and intradialytic metabolic, acid–base and potassium changes. Ward RA, et al. **Kidney Int** 1987 Jul;32(1):129–35
Adrenaline causes potassium influx in skeletal muscle and potassium efflux in cardiac muscle in rats: the role of Na/K ATPase. Struthers AD, et al. **Life Sci** 1987 Jan 5; 40(1):101–8
Magnesium and potassium–sparing diuretics. Ryan MP. **Magnesium** 1986;5(5–6):282–92 (68 ref.)
Magnesium and potassium status in healthy subjects as assessed by analysis of magnesium and potassium in skeletal muscle biopsies and magnesium in mononuclear cells. Sjögren A, et al. **Magnesium** 1987;6(2):91–9
Shifted distribution of cation–related cyst types in post–menopausal patients with gross cystic disease of the breast. Orlandi F, et al. **Maturitas** 1987 Apr;9(1):17–23
Effects of age on cell size and ion uptake in canine cortical bone. Williams EA, et al. **Mayo Clin Proc** 1987 Jan; 62(1):15–21
The pathogenesis of vascular headaches in patients with hypertension; the role of the ammonia–potassium axis. Cohen PG. **Med Hypotheses** 1986 Dec;21(4):377–81
Renal handling of sodium, potassium, calcium and phosphate by medulla. Hsu CH. **Miner Electrolyte Metab** 1987; 13(3):147–51
Influence of dietary zinc content on sodium and potassium metabolism in the rat. Song MK. **Miner Electrolyte Metab** 1987;13(3):178–82
Development of a test to evaluate the transtubular potassium concentration gradient in the cortical collecting duct in vivo. West ML, et al. **Miner Electrolyte Metab** 1986; 12(4):226–33
Potassium channel blockers and impulse propagation in murine motor endplate disease. Bournaud R, et al. **Muscle Nerve** 1987 Jan;10(1):1–5
Single apamin–blocked Ca–activated K+ channels of small conductance in cultured rat skeletal muscle. Blatz AL, et al. **Nature** 1986 Oct 23–29;323(6090):718–20
Endfeet of retinal glial cells have higher densities of ion channels that mediate K+ buffering. Brew H, et al. **Nature** 1986 Dec 4–10;324(6096):466–8
Differential modulation of three separate K–conductances in hippocampal CA1 neurons by serotonin. Colino A, et al. **Nature** 1987 Jul 2–8;328(6125):73–7
Multi–barrelled K channels in renal tubules. Hunter M, et al. **Nature** 1987 Jun 11–17;327(6122):522–4
A single GTP–binding protein regulates K+–channels coupled with dopamine, histamine and acetylcholine receptors. Sasaki K, et al. **Nature** 1987 Jan 15–21; 325(6101):259–62
Raising the ambient potassium ion concentration enhances carbachol stimulated phosphoinositide hydrolysis in rat brain hippocampal and cerebral cortical miniprisms. Court JA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):10–6
Relationship between aldosterone and sodium, potassium, and uric acid clearance in cirrhosis with and without ascites. Decaux G, et al. **Nephron** 1986;44(3):226–9
Total body potassium in Bartter's syndrome before and during treatment with enalapril. van de Stolpe A, et al. **Nephron** 1987;45(2):122–5
Valinomycin–based K+ selective microelectrodes with low electrical membrane resistance. Ammann D, et al. **Neurosci Lett** 1987 Feb 24;74(2):221–6
Time course of Ca and Ca–dependent K currents during molluscan nerve cell action potentials. Gola M, et al. **Neurosci Lett** 1986 Oct 20;70(3):354–9
Noradrenaline blocks potassium conductance in rat dentate granule cells in vitro. Haas HL, et al. **Neurosci Lett** 1987 Jul 22;78(2):171–4
Acetylcholine modulates two types of presynaptic potassium channels in vertebrate motor nerve terminals. Hevron E, et al. **Neurosci Lett** 1986 Dec 3;72(1):87–92
A muscarine–resistant M–current in C cells of bullfrog sympathetic ganglia. Jones SW. **Neurosci Lett** 1987 Mar 9;74(3):309–14
Functional differences between 4–aminopyridine and tetraethylammonium–sensitive potassium channels in myelinated axons. Kocsis JD, et al. **Neurosci Lett** 1987 Mar 31;75(2):193–8
Differential effects of apamin on Ca2+–dependent K+ currents in bullfrog sympathetic ganglion cells. Tanaka K, et al. **Neurosci Lett** 1986 Sep 12;69(3):233–8
Preliminary characterization of an Na+,K+,Cl– co–transport activity in cultured human astrocytes. Tas PW, et al. **Neurosci Lett** 1986 Oct 20;70(3):369–73
Glial and potassium responses to an afferent volley: suppression by enkephalin in the rat spinal cord in vitro. Tsuruhara H, et al. **Neurosci Lett** 1987 May 19;76(3):291–5
Forskolin interaction with voltage–dependent K channels in Helix is not mediated by cyclic nucleotides. Watanabe K, et al. **Neurosci Lett** 1987 Jul 22;78(2):211–6
Dual actions of phorbol esters to decrease calcium and potassium conductances of mouse neurons. Werz MA, et al. **Neurosci Lett** 1987 Jul 9;78(1):101–6
Extracellular hydrogen ions influence channel–mediated and carrier–mediated K+ fluxes in cultured mouse astrocytes. Walz W, et al. **Neuroscience** 1987 Jan;20(1):341–6
Reactivity of rabbit basilar artery to alterations in extracellular potassium and calcium after subarachnoid hemorrhage. Young HA, et al. **Neurosurgery** 1986 Sep; 19(3):346–9
Effects of kanamycin sulfate on cochlear potentials and potassium ion permeability through the cochlear partitions. Komune S, et al. **ORL J Otorhinolaryngol Relat Spec** 1987; 49(1):9–16
Effect of potassium adaptation on the distribution of potassium, sodium and chloride across the apical membrane of renal tubular cells. Beck FX, et al. **Pflugers Arch** 1987 Aug;409(4–5):477–85
Changes of membrane currents in cardiac cells induced by long whole–cell recordings and tolbutamide. Belles B, et al. **Pflugers Arch** 1987 Aug;409(6):582–8
Blocking of the squid axon K+ channel by noxiustoxin: a toxin from the venom of the scorpion Centruroides noxius. Carbone E, et al. **Pflugers Arch** 1987 May;408(5):423–31
GTP and GDP activation of K+ channels that can be inhibited by ATP. Dunne MJ, et al. **Pflugers Arch** 1986 Nov;407(5):564–5
Ca2+–movements in muscle modulated by the state of K+–channels in the sarcoplasmic reticulum membranes. Fink RH, et al. **Pflugers Arch** 1987 Aug;409(4–5):374–80
Procaine has opposite effects on passive Na and K permeabilities in frog skin. Flonta ML, et al. **Pflugers Arch** 1987 Mar;408(3):215–9
Two distinct calcium–activated potassium currents in larval muscle fibres of Drosophila melanogaster. Gho M, et al. **Pflugers Arch** 1986 Nov;407(5):526–33
Potassium channels in the basolateral membrane of the rectal gland of Squalus acanthias. Regulation and inhibitors. Gögelein H, et al. **Pflugers Arch** 1987 Jun;409(1–2):107–13
Potassium channels in the basolateral membrane of the rectal gland of the dogfish (Squalus acanthias). Greger R, et al. **Pflugers Arch** 1987 Jun;409(1–2):100–6
Potassium induced changes in cell volume of gallbladder epithelium. Hermansson K, et al. **Pflugers Arch** 1986;407 Suppl 2:S90–9
Modelling of colonic Cl– and K+ transport under resting and secreting conditions. Knauf H, et al. **Pflugers Arch** 1986;407 Suppl 2:S85–9
Epinephrine activates outward rectifying K channel in Madin–Darby canine kidney cells. Kolb HA, et al. **Pflugers Arch** 1987 May;408(6):584–91
On the mechanism of activation of muscarinic K+ channels by adenosine in isolated atrial cells: involvement of GTP–binding proteins. Kurachi Y, et al. **Pflugers Arch** 1986 Sep;407(3):264–74
Role of intracellular Mg2+ in the activation of muscarinic K+ channel in cardiac atrial cell membrane. Kurachi Y, et al. **Pflugers Arch** 1986 Nov;407(5):572–4
Dependence of the electrogenic pump current of Xenopus oocytes on external potassium. Marx A, et al. **Pflugers Arch** 1987 May;408(5):537–9
Dual effects of ATP on K+ currents of mouse pancreatic beta–cells. Ohno–Shosaku T, et al. **Pflugers Arch** 1987 Feb; 408(2):133–8
Dendrotoxin: a selective blocker of a non–inactivating potassium current in guinea–pig dorsal root ganglion neurones. Penner R, et al. **Pflugers Arch** 1986 Oct; 407(4):365–9
A quantitative analysis of the acetylcholine–activated potassium current in single cells from frog atrium. Simmons MA, et al. **Pflugers Arch** 1987 Aug;409(4–5):454–61
Characterization of calcium–activated potassium channels in single smooth muscle cells using the patch–clamp technique. Singer JJ, et al. **Pflugers Arch** 1987 Feb; 408(2):98–111
Different inhibitions of the voltage–dependent K+ current by Ca2+ antagonists in the smooth muscle cell membrane of rabbit small intestine. Terada K, et al. **Pflugers Arch** 1987 May;408(6):558–64
Solubilisation and reconstitution of the rabbit skeletal muscle sarcoplasmic reticulum K+ channel into liposomes suitable for patch clamp studies. Tomlins B, et al. **Pflugers Arch** 1986 Sep;407(3):341–7
Ca2+ and K+ current in cultured vascular smooth muscle cells from rat aorta. Toro L, et al. **Pflugers Arch** 1987 Apr; 408(4):417–9
Opposite effects of tolbutamide and diazoxide on the ATP–dependent K+ channel in mouse pancreatic beta–cells. Trube G, et al. **Pflugers Arch** 1986 Nov; 407(5):493–9
Potassium microclimate at the mucosal surface of the proximal and the distal colon of guinea pig. von Engelhardt W, et al. **Pflugers Arch** 1986 Dec;407(6):625–31
Tetraethylammonium blockade of calcium–activated potassium channels in clonal anterior pituitary cells. Wong BS, et al. **Pflugers Arch** 1986 Sep;407(3):279–84
Electrodiffusion of Cl– and K+ in epithelial membranes reconstituted into planar lipid bilayers. Zeuthen T, et al. **Pflugers Arch** 1987 Mar;408(3):275–81
The mechanism of electrodiffusive K+ transport in leaky epithelia and some of its consequences for anion transport. Zeuthen T, et al. **Pflugers Arch** 1987 Mar;408(3):260–6
Muscarinic receptors activate calcium channels and calcium dependent potassium channels in NIE–115 neuroblastoma cells. Hedlund B, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):156–60
An answer to a reported apparent contradiction in the predicted relation between the concentration of ATP and K in living cells. Ling GN. **Physiol Chem Phys** 1974; 6(3):285–6
Disruption of the plasma membrane leads to an influx of Na+ and Cl– but not an efflux of K+ in mouse hepatocytes and erythrocytes. Cameron IL, et al. **Physiol Chem Phys Med NMR** 1986;18(2):133–6
Kinetic investigation of K+ efflux during glycerol treatment of muscle. Hummel Z. **Physiol Chem Phys Med NMR** 1986; 18(3):207–12
Membrane lipid layers vs. polarized water dominated by fixed ions: a comparative study of the effects of three macrocyclic ionophores on the K+ permeability of frog skeletal muscle, frog ovarian eggs, and human erythrocytes. Ling GN, et al. **Physiol Chem Phys Med NMR** 1986; 18(2):109–24
Influence of captopril on intracellular ions—a possible mode of action. Ambrosioni E, et al. **Postgrad Med J** 1986;62 Suppl 1:16–22
Interaction of monensin with dietary vanadium, potassium, and protein, and its effect on hepatic rubidium and potassium in chicks. Cervantes HM, et al. **Poult Sci** 1986 Aug;65(8):1591–7
Potassium balance of the 5 to 8–week–old broiler exposed to constant heat or cycling high temperature stress and the effects of supplemental potassium chloride on body weight gain and feed efficiency. Smith MO, et al. **Poult Sci** 1987 Mar;66(3):487–92
Role of "active" potassium transport in the regulation of cytoplasmic pH by nonanimal cells. Blatt MR, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2737–41
A Drosophila mutation that eliminates a calcium–dependent potassium current. Elkins T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8415–9
Activation of a potassium current by rapid photochemically generated step increases of intracellular calcium in rat sympathetic neurons. Gurney AM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3496–500
Mu and delta receptors belong to a family of receptors that are coupled to potassium channels. North RA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5487–91
Regulation by cell metabolism and adenine nucleotides of a K channel in insulin–secreting B cells (RIN m5F). Ribalet B, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1721–5
A mutant Paramecium with a defective calcium–dependent potassium conductance has an altered calmodulin: a nonlethal selective alteration in calmodulin regulation. Schaefer WH, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3931–5
Inward rectification of a potassium channel in cardiac ventricular cells depends on internal magnesium ions. Vandenberg CA. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2560–4
The potassium current activated by 2–nicotinamidoethyl nitrate (nicorandil) in single ventricular cells of guinea pigs. Kakei M, et al. **Proc R Soc Lond [Biol]** 1986 Dec 22; 229(1256):331–43
Effects of saliva from chronically reserpinized rat on Na and K transport in perfused main excretory duct of submandibular gland of normal rat. Jirakulsomchok D, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):392–5
Activation of calcium–dependent potassium channels in deoxygenated sickled red cells. Bookchin RM, et al. **Prog Clin Biol Res** 1987;240:193–200
Membrane conductance and potassium permeability of the rat lens. Lucas VA, et al. **Q J Exp Physiol** 1987 Jan; 72(1):81–93
Effect of intraruminal sodium and potassium concentrations and of the transmural potential difference on magnesium absorption from the temporarily isolated rumen of sheep. Martens H, et al. **Q J Exp Physiol** 1986 Jul;71(3):409–15
Heat–induced K+ loss, trypan blue uptake, and cell lysis in different cell lines: effect of serum. Ruifrok AC, et al.

Radiat Res 1987 Feb;109(2):303–9

The electrophysiology of potassium channels. Carlen PL. **Recent Dev Alcohol** 1987;5:347–56 (59 ref.)

Ca2+–dependent K+ transport in lymphocytes. Sánchez A, et al. **Rev Esp Fisiol** 1986 Dec;42(4):459–64

External calcium ions are required for potassium channel gating in squid neurons. Armstrong CM, et al. **Science** 1987 May 8;236(4802):712–4

Xenopus oocytes injected with rat uterine RNA express very slowly activating potassium currents. Boyle MB, et al. **Science** 1987 Mar 6;235(4793):1221–4

Cyclic AMP–modulated potassium channels in murine B cells and their precursors. Choquet D, et al. **Science** 1987 Mar 6;235(4793):1211–4

Cloning of genomic and complementary DNA from Shaker, a putative potassium channel gene from Drosophila. Papazian DM, et al. **Science** 1987 Aug 14;237(4816):749–53

Single-channel and genetic analyses reveal two distinct A-type potassium channels in Drosophila. Solc CK, et al. **Science** 1987 May 29;236(4805):1094–8

Sequence of a probable potassium channel component encoded at Shaker locus of Drosophila. Tempel BL, et al. **Science** 1987 Aug 14;237(4816):770–5

Direct activation of mammalian atrial muscarinic potassium channels by GTP regulatory protein Gk. Yatani A, et al. **Science** 1987 Jan 9;235(4785):207–11

Regional brain sodium, potassium, and water changes in the rat middle cerebral artery occlusion model of ischemia. Young W, et al. **Stroke** 1987 Jul–Aug;18(4):751–9

Sodium fluoride produces a K+ efflux by increasing intracellular Ca2+ through Na+–Ca2+ exchange. McIvor ME, et al. **Toxicol Lett** 1987 Sep;38(1–2):169–76

Effects of venom from Conus striatus on the delayed rectifier potassium current of molluscan neurons. Chesnut TJ, et al. **Toxicon** 1987;25(3):267–78

Blockage of resting potassium conductance in frog muscle fibers by a toxin isolated from the sponge Haliclona viridis. Sevcik C, et al. **Toxicon** 1986;24(8):851–60

Thyroid hormone and Na,K transport. Loeb JN, et al. **Trans Am Clin Climatol Assoc** 1986;98:176–86 (42 ref.)

High potassium levels in stored irradiated blood [letter] Ramirez AM, et al. **Transfusion** 1987 Sep–Oct;27(5):444–5

[Ion transport in the erythrocytic membrane in uremia] Shen WT. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):34–6 **(Chi)**

[Voltage-dependent ionic currents in sympathetic postganglionic neurons] Ma RC, et al. **Sheng Li Ko Hsueh Chin Chan** 1987 Jan;18(1):58–61 (23 ref.) **(Chi)**

[Research progress on a new potassium channel–blocking agent—4–aminopyridine] Zheng W, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):254–8 (50 ref.) **(Chi)**

[Two components of calcium-dependent potassium permeability coexist in the membrane of frog skeletal muscle] Traoré F, et al. **C R Acad Sci [III]** 1987; 305(3):69–72 (Eng. Abstr.) **(Fre)**

[Postmortem increase in potassium in the vitreous humor. Which parameters are suitable as indicators of antemortem agonal electrolyte imbalance?] Madea B, et al. **Z Rechtsmed** 1986;97(4):259–68 (Eng. Abstr.) **(Ger)**

[A possible mechanism for potassium loss in myocardial hypoxia] Gaspardone A, et al. **Cardiologia** 1986 Jul; 31(7):483–91 (Eng. Abstr.) **(Ita)**

[Mechanism of secretion of ion fluid in exocrine gland cells] Maruyama Y, et al. **Nippon Rinsho** 1986 Jul;44(7):1500–3 (11 ref.) **(Jpn)**

[Biochemical utilization of the 42Ar–42K generator—measurement of specific K+ binding to Na+, K+–ATPase] Homareda H, et al. **Radioisotopes** 1986 Oct; 35(10):543–6 **(Jpn)**

[Use of potassium ferrate as an orthophosphate analog in the modification of the active centers of proteins] Steczko J. **Postepy Biochem** 1985;31(3–4):569–84 (51 ref.) **(Pol)**

[Ion channels and electric potentials in cell membranes: a biophysical view for clinicians] de Araujo Filho JP. **AMB** 1986 Sep–Oct;32(9–10):155–61 **(Por)**

[Accumulation of K+ in E. coli grown in aerobic conditions] Martirosov SM, et al. **Biofizika** 1986 Jul–Aug;31(4):626–30 (Eng. Abstr.) **(Rus)**

[Effect of the general anesthetic ketamine on the potassium permeability of plasma membranes of brain synaptosomes] Okun' IM, et al. **Biofizika** 1986 Sep–Oct;31(5):917–8 (Eng. Abstr.) **(Rus)**

[The character of K+ uptake in anaerobically grown S. typhimurium] Ter–Nikogosian VA, et al. **Biofizika** 1986 Sep–Oct;31(5):825–8 (Eng. Abstr.) **(Rus)**

[Cationic control of the transcription of various genes in tumor cells] Ksar'min SD, et al. **Biokhimiia** 1986 Nov; 51(11):1893–8 (Eng. Abstr.) **(Rus)**

[Interpretation of the phenomenon of K+ transport activation in Escherichia coli during transition to anaerobiosis] Puchkov EO, et al. **Biokhimiia** 1987 Mar; 52(3):452–8 (Eng. Abstr.) **(Rus)**

[The capacity of anaerobically grown bacteria to exchange the 2H+ of the cell for the K+ of the medium and to maintain a high K+ distribution between cell and medium] Trchunian AA, et al. **Biol Nauki** 1986;(12):82–8 (Eng. Abstr.) **(Rus)**

[Genetic analysis of inheritance of Na+, K+–cotransport rate, calcium level in erythrocytes and blood pressure in F2 hybrids of spontaneously hypertensive and normotensive rats] Kotelevtsev IuV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):456–8 (Eng. Abstr.) **(Rus)**

[Mechanism of the effect of irradiation on the activity of the Na+,K+–pump in snail neurons] Airapetian SN, et al. **Dokl Akad Nauk SSSR** 1987;294(4):977–80 **(Rus)**

[Blocking of the counter-K+ fluxes through the single Ca2+–activated K+–channel. Cluster organization of ion channels] Kazachenko VN, et al. **Dokl Akad Nauk SSSR** 1987;293(4):990–3 **(Rus)**

[Physicochemical characteristics of the inactivating potassium channels in the somatic membrane] Magura IS. **Fiziol Zh** 1986 Nov–Dec;32(6):656–64 (Eng. Abstr.) **(Rus)**

[Deposition of potassium and water in the brown adipose tissue of cold–adapted rats] Medvedev LN, et al. **Fiziol Zh SSSR** 1987 Jan;73(1):124–9 (Eng. Abstr.) **(Rus)**

[Potential–dependent ion currents in the membrane of the striated muscle of the lamprey] Derke Sh, et al. **Neirofiziologiia** 1986;18(5):629–36 (Eng. Abstr.) **(Rus)**

[2 types of calcium–dependent outward potassium currents in the somatic membrane of Helix pomatia neurons] Martyniuk AE. **Neirofiziologiia** 1987;19(2):185–91 (Eng. Abstr.) **(Rus)**

[Effect of extracellular potassium ions on the potassium outward current which depends on extracellular calcium ions] Martyniuk AE. **Neirofiziologiia** 1987;19(3):351–6 (Eng. Abstr.) **(Rus)**

[Blocking action of calmidazolium and chlorpromazine on the potassium outward current which depends on intracellular calcium ions] Martyniuk AE. **Neirofiziologiia** 1987;19(3):356–61 (Eng. Abstr.) **(Rus)**

[Dynamics of the accumulation of K+ and H+ in the extracellular space and myocardial contraction in ischemia] Kapel'ko VI, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec; (6):34–8 (Eng. Abstr.) **(Rus)**

[Effect of taurine on the potassium content of rat thymocytes after irradiation] Mashkova NIu, et al. **Radiobiologiia** 1987 May–Jun;27(3):372–4 (Eng. Abstr.) **(Rus)**

[Cation transport and content in serum–stimulated CHO–773 cells. II. Late changes in rubidium influx and intracellular potassium content] Marakhova II, et al. **Tsitologiia** 1987 Feb;29(2):202–7 (Eng. Abstr.) **(Rus)**

[Effect of taurine on potassium, calcium and sodium levels in the blood and tissues of rats] Shustova TI, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):113–6 (Eng. Abstr.) **(Rus)**

[Renal potassium excretion by patients with chronic heart failure] Gugnin AG. **Vrach Delo** 1987 Jan;(1):53–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Catalytic and immunochemical properties of arylsulphatase A from urine, modified by potassium ferrate. Laidler PM, et al. **Acta Biochim Pol** 1986;33(2):101–8

The effect of injection of high K+ solution into scala media. Fukazawa T, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):170–5

Insulin release and K+–induced depolarization in mouse pancreatic beta–cells. Joost S, et al. **Adv Exp Med Biol** 1986;211:159–66

Potassium and blood pressure regulation. Luft FC, et al. **Am J Clin Nutr** 1987 May;45(5 Suppl):1289–94

Pretranslational regulation of Na–K–ATPase in cultured canine kidney cells by low K+. Bowen JW, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C179–89

Genetic basis for altered vascular responses to ouabain and potassium–free solution in hypertension. Bruner CA, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1276–82

Potassium–induced relaxation in vascular smooth muscle of ground squirrels and rats. Harker CT, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R134–9

Response of collecting tubule cells to aldosterone and potassium loading. Kashgarian M, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F8–14

Cation dependence of posttetanic potentiation of neuromuscular transmission. Misler S, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):C55–62

Paradoxical positive inotropic effect of K+ in the rat heart. Ng YC, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H1005–15

Ultracytochemistry of ouabain–sensitive K+–dependent p–nitrophenyl phosphatase in rat incisor enamel organ. Garant PR, et al. **Anat Rec** 1986 Sep;216(1):1–9

Cardiac effects of insulin, glucose, and potassium. Gould L, et al. **Angiology** 1975 Nov;26(10):740–8

Potassium activation and its relationship to a highly reactive cysteine residue in fructose 1,6–bisphosphatase. Hubert E, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):336–44

Responses of potassium–depolarized rat tail arteries to adrenaline and serotonin. Polidoro JH, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):206–11

Effects of lidoflazine and mioflazine against potassium and veratrine induced shape changes in isolated rat cardiac myocytes. Ver Donck L, et al. **Basic Res Cardiol** 1987 Jan–Feb;82(1):74–81

Cardiovascular hypersensitivity to norepinephrine in normotensive members of hypertensive families: influence of dietary sodium and potassium intake. Beretta–Piccoli C, et al. **Bibl Cardiol** 1987;(42):144–51

Possible determinants of blood pressure during childhood (age 4–16 years). Iaina A, et al. **Bibl Cardiol** 1987;(42):130–4

Potassium and its role in the etiology and therapy of hypertension. Langford HG. **Bibl Cardiol** 1987;(41):57–68 (25 ref.)

Potassium depolarisation markedly enhances muscarinic receptor stimulated inositol tetrakisphosphate accumulation in rat cerebral cortical slices. Baird JG, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1130–7

Synergistic actions of Ca2+ and the phorbol ester TPA on K+–induced catecholamine release from bovine adrenal chromaffin cells. Brocklehurst KW, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):990–8

Differential effects of protein kinase C activators on carbamylcholine– and high K+–induced rises in intracellular free calcium concentration in cultured adrenal chromaffin cells. Sasakawa N, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):903–9

Barium distinguishes separate calcium targets for synthesis and secretion of peptides in neuroendocrine cells. Waschek JA, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):495–501

The stimulation by salts of hexose phosphate uptake by Escherichia coli. Essenberg RC. **Biochem J** 1987 Apr 15; 243(2):345–50

Effect of permanently charged and uncharged dopaminergic agonists on the potassium–induced release of [3H]acetylcholine from striatal slices. Sabol B, et al. **Biochem Pharmacol** 1987 May 15;36(10):1679–85

Microelectrode studies of potential difference responses to changes in stromal K+ in bullfrog cornea. Carrasquer G, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):258–66

Effect of K+ on the membrane functions of an alkalophilic Bacillus. Koyama N, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):293–8

Influence of hypertonic solutions on catecholamine release from intact and permeabilized cultured chromaffin cells. Ladona MG, et al. **Biochim Biophys Acta** 1987 Jan 19; 927(1):18–25

Accumulation of cadmium in pancreatic beta cells is similar to that of calcium in being stimulated by both glucose and high potassium. Nilsson T, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):270–7

Inhibition of acid secretion of fundus of Rana pipiens with a high concentration of potassium on the secretory side. Rehm WS, et al. **Biochim Biophys Acta** 1987 May 12; 899(1):17–24

Buffer, pH, and ionic strength effects on the (Na+ + K+)–ATPase. Robinson JD, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):343–7

Potential difference responses to secretory K+, Na+ and HCO3– changes in secreting and resting states of frog stomach in Cl(–)–free media. Schwartz M, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):445–52

Nicardipine–sensitive enhancement of high K+ –evoked dopamine release in PC12 cells pretreated with 12–O–tetradecanoylphorbol 13–acetate. Takashima A, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):264–71

Thallium antagonism toward potassium dependent systems. Siegel BZ, et al. **Bioinorg Chem** 1976;6(3):229–32

Kallikrein (kininogenase) in the mouse nephron: effect of dietary potassium. Guder WG, et al. **Biol Chem Hoppe Seyler** 1987 Jun;368(6):637–45

The influence of social isolation, hypoxia and immobilization on potassium–stimulated dopamine release from telencephalon slices of mice. Wustmann C, et al. **Biomed Biochim Acta** 1987;46(4):245–9

On the effect of unstirred layers on K+–activated electrogenic Na+ pumping in cardiac Purkinje strands. Rasmussen HH, et al. **Biophys J** 1986 Nov;50(5):827–35

The effects of serum, lithium, ethacrynic acid, and a low external concentration of potassium on specific [3H]–ouabain binding to human lymphocytes after incubation for 3 days. Rapeport WG, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):275–9

Tetrodotoxin–sensitive, K+–induced relaxation of guinea–pig isolated trachealis in the presence of Ca2+–entry blocking drugs, Ca2+–free solution and after polyamine exposure. Chideckel EW, et al. **Br J Pharmacol** 1986 Sep;89(1):27–33

Mechanisms of intrinsic tone in bullfrog lung: relaxant effects of indomethacin, ouabain and potassium. Downes H, et al. **Br J Pharmacol** 1986 Mar;87(3):579–86

GABAB–receptor mediated inhibition of potassium–evoked release of endogenous 5–hydroxytryptamine from mouse frontal cortex. Gray JA, et al. **Br J Pharmacol** 1987 Jul; 91(3):517–22

The influence of dietary potassium on the renal tubular effect of hydrochlorothiazide in the rat. Shirley DG, et al. **Br J Pharmacol** 1987 Jul;91(3):693–9

Angiotensin II inhibits the K+–evoked release of [3H]norepinephrine from hypothalamic synaptosomes of the spontaneously hypertensive rat. Bottiglieri DF, et al. **Brain Res** 1987 Feb 10;403(1):167–71

Retraction and degeneration of sympathetic neurites in response to locally elevated potassium. Campenot RB. **Brain Res** 1986 Dec 10;399(2):357–63

Potassium–evoked release of endogenous primary amine–containing compounds from the trout saccular macula and saccular nerve in vitro. Drescher MJ, et al. **Brain Res** 1987 Aug 4;417(1):39–50

In vivo electrochemical demonstration of potassium–evoked monoamine release from rat cerebellum. Gerhardt GA, et al. **Brain Res** 1987 Jun 16;413(2):327–35

Cytochrome reduction induced by increase in extracellular potassium and by electrical stimulation in isolated perifused neurohypophysis of guinea pig under mild hypoxic conditions. Harada E, et al. **Brain Res** 1987 Jun 23; 414(1):173–6

Choroid plexus structure and function in young rats on a high–potassium diet. Keep RF, et al. **Brain Res** 1987 Jun 9;413(1):45–52

Potassium–induced release of neuronotoxic activity by astrocytes. Lefebvre PP, et al. **Brain Res** 1987 Jun 9; 413(1):120–8

Potentiation of nerve growth factor(NGF)–mediated neurite outgrowth in high K+ medium is associated with increased binding of iodinated NGF in PC12 cells [corrected and republished article originally printed in Cell Biol Int Rep 1986 Dec;10(12):979–84] Koike T. **Cell Biol Int Rep** 1987 May;11(5):423–8

Relation between membrane potential and contractile force in smooth muscle of the rat tail artery during stimulation by norepinephrine, 5–hydroxytryptamine, and potassium. Neild TO, et al. **Circ Res** 1987 May;60(5):791–5

Insulin–induced changes in membrane potential and 3–O–methylglucose uptake at various external K concentrations in frog skeletal muscle. Marunaka Y, et al. **Comp Biochem Physiol [A]** 1987;86(2):331–6

Concerning stimulation by high external potassium and calcium injection of the ouabain–insensitive sodium efflux in barnacle muscle fibers. Nwoga J. **Comp Biochem Physiol [A]** 1987;86(4):733–7

Lectin inhibition and kinetics of microsomal K+–dependent p–nitrophenyl phosphatase of frog epidermis. Buron I, et al. **Comp Biochem Physiol [B]** 1987;86(2):241–4

Comparison of the effects of elevated K+ ions and muscle–conditioned medium on the neurotransmitter phenotype of cultured sympathetic neurons. Raynaud B, et al. **Dev Biol** 1987 Jun;121(2):548–58

High K+ rapidly stimulates Ca2+–dependent phosphorylation of three proteins concomitant with insulin secretion from HIT cells. Oberwetter JM, et al. **Diabetes** 1987 Jul;36(7):864–71

The effect of hyperprolactinemia produced by transplantable pituitary MtTW15 tumor cells in male rats on hypothalamic luteinizing hormone–releasing hormone release in vitro: effects of naloxone and K+. Kalra PS, et al. **Endocrinology** 1987 Jul;121(1):310–5

Differential in vitro stimulation by naloxone and K+ of luteinizing hormone–releasing hormone and catecholamine release from the hypothalami of intact and castrated rats. Kalra PS, et al. **Endocrinology** 1987 Jan;120(1):178–85

Electrical properties of cultured human adrenocorticotropin–secreting adenoma cells: effects of high K+, corticotropin–releasing factor, and angiotensin II. Mollard P, et al. **Endocrinology** 1987 Jul;121(1):395–405

Functional substructure of the rat somatotroph immediate release pool: definition by responses to N6,2'–O–dibutyryl cyclic adenosine 3',5'–monophosphate, potassium ion, and/or prostaglandin E1. Stachura ME, et al. **Endocrinology** 1986 Nov;119(5):2168–76

The effect of monovalent and divalent cations on the ATP–dependent Ca2+–binding and phosphorylation during the reaction cycle of the sarcoplasmic reticulum Ca2+–transport ATPase. Medda P, et al. **Eur J Biochem** 1987 Jun 1;165(2):251–9

Severe sodium restriction alone and with potassium supplementation does not alter blood lipoproteins in essential hypertension. Kjeldsen SE, et al. **Eur J Clin Invest** 1987 Apr;17(2):182–6

Different spasmolytic effects of smooth muscle relaxants on the guinea–pig esophageal muscularis mucosae contracted by carbachol or high potassium in vitro. Kamikawa Y, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):39–48

Effects of potassium and norepinephrine on calcium influx in guinea–pig vas deferens. Khoyi MA, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):55–62

High K+–mediated survival of spinal sensory neurons depends on developmental stage. Acheson A, et al. **Exp Cell Res** 1987 May;170(1):56–63

Attenuation of epileptiform bursting by baclofen: reduced potency in elevated potassium. Swartzwelder HS, et al. **Exp Neurol** 1986 Dec;94(3):726–34

High potassium intake increases the plasma concentration and urinary excretion of vasopressin in the rat. Brooks DP, et al. **Experientia** 1986 Sep 15;42(9):1012–4

Selective blockade of components of potassium activation in Myxicola axons. Chuman MA, et al. **Experientia** 1987 Feb 15;43(2):169–71

Tetanus toxin does not affect the release of noradrenaline and taurine from rat cerebral cortex slices evoked by high K+ and Na+–free media. Heredero J, et al. **Experientia** 1987 Feb 15;43(2):184–6

Neomycin inhibits K+– and veratridine–stimulated noradrenaline release in rat brain slices and rat brain synaptosomes. Diamant S, et al. **FEBS Lett** 1987 Jul 27; 219(2):445–50

Field stimulation responses of rat urinary bladder detrusor smooth–muscle. Dependence upon slow calcium channel activity determined by K+ depolarization and calcium antagonists. Huddart H, et al. **Gen Pharmacol** 1986; 17(6):695–703

The involvement of fast calcium channel activity in the selective activation of phasic contractions by partial depolarization in rat vas deferens smooth muscle. Langton PD, et al. **Gen Pharmacol** 1987;18(1):47–55

Effects of lithium on human leukocyte chemotaxis. Indirect evidence from the use of potassium and vinblastine concerning the modulation of microtubular system. Azzarà A, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):121–7

Effects of dietary K on the absorption and excretion of radiocesium in the rat. Behne D, et al. **Health Phys** 1987 Sep;53(3):331–2

The role of interstitial potassium in the generation of low–calcium hippocampal seizures. Nelken I, et al. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):124–31

Potassium and lasalocid effects on performance and digestion in lambs. Funk MA, et al. **J Anim Sci** 1986 Sep;63(3):685–91

Effects of dietary monensin and potassium on apparent absorption of magnesium and other macroelements in sheep. Greene LW, et al. **J Anim Sci** 1986 Dec;63(6):1960–7

Effects of temperature and monovalent cations on activity and quaternary structure of tryptophanase. Honda T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):679–85

Ferrate oxidation of Escherichia coli DNA polymerase–I. Identification of a methionine residue that is essential for DNA binding. Basu A, et al. **J Biol Chem** 1987 Jul 15; 262(20):9601–7

Ca2+–mediated generation of inositol 1,4,5–triphosphate and inositol 1,3,4,5–tetrakisphosphate in pancreatic islets. Studies with K+, glucose, and carbamylcholine. Biden TJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3567–71

Spatially resolved cytosolic calcium response to angiotensin II and potassium in rat glomerulosa cells measured by digital imaging techniques. Connor JA, et al. **J Biol Chem** 1987 Feb 25;262(6):2919–27

Potassium–mediated stimulation of hepatic glycogenolysis. Hill CE, et al. **J Biol Chem** 1987 May 15;262(14):6623–7

Identification of a vanadate–sensitive potassium–dependent proton pump from rabbit colon. Kaunitz JD, et al. **J Biol Chem** 1986 Oct 25;261(30):14005–10

Complete overlap of caffeine– and K+ depolarization–sensitive intracellular calcium storage site in cultured rat arterial smooth muscle cells. Kobayashi S, et al. **J Biol Chem** 1986 Nov 25;261(33):15709–13

Angiotensin II but not potassium induces subcellular redistribution of protein kinase C in bovine adrenal glomerulosa cells. Lang U, et al. **J Biol Chem** 1987 Jun 15;262(17):8047–50

Two different phosphorylation–dephosphorylation cycles of Na,K–ATPase proteoliposomes accompanying Na+ transport in the absence of K+. Yoda A, et al. **J Biol Chem** 1987 Jan 5;262(1):110–5

Increases in cerebral interstitial fluid adenosine concentration during hypoxia, local potassium infusion, and ischemia. Van Wylen DG, et al. **J Cereb Blood Flow Metab** 1986 Oct; 6(5):522–8

Role of potassium in vasopressin–induced production of cyclic AMP in rat renal papillary collecting tubule cells in culture. Ishikawa S, et al. **J Endocrinol** 1987 May; 113(2):199–204

Dependence of guanidine sensitivity of poliovirus replication on the concentration of monovalent cations in the culture medium. Nair CN. **J Gen Virol** 1987 Apr;68 (Pt 4):1195–8

Cerium–based cytochemical method for detection of ouabain–sensitive, potassium–dependent p–nitrophenylphosphatase activity at physiological pH. Kobayashi T, et al. **J Histochem Cytochem** 1987 May; 35(5):601–11

31P NMR analysis of intracellular pH of Swiss Mouse 3T3 cells: effects of extracellular Na+ and K+ and mitogenic stimulation. Civan MM, et al. **J Membr Biol** 1986; 94(1):55–64

The nature of the neutral Na+–Cl(–)–coupled entry at the apical membrane of rabbit gallbladder epithelium: II. Na+–Cl– symport is independent of K+. Cremaschi D, et al. **J Membr Biol** 1987;95(3):219–28

Changes in passive electrical properties of guinea–pig ventricular muscle exposed to low K+ and high Ca2+ conditions. Hiraoka M, et al. **J Mol Cell Cardiol** 1986 Nov; 18(11):1177–86

Ca2+ transport systems mediating the high K+/low Na+–induced uptake of Ca2+ into rat atrium. Lodge NJ. **J Mol Cell Cardiol** 1986 Nov;18(11):1157–64

Permissive action of potassium on arrhythmogenesis in the rat heart. Lubbe WF, et al. **J Mol Cell Cardiol** 1986 Oct; 18 Suppl 4:37–41

Enhanced potassium–stimulated gamma–aminobutyric acid release by astrocytes derived from rats with early hepatogenic encephalopathy. Albrecht J, et al. **J Neurochem** 1987 Jul;49(1):9–11

Influence of Na+, K+, and Ca2+ on glutamine synthesis and distribution in rat brain cortex slices: a possible linkage of glutamine synthetase with cerebral transport processes and energetics in the astrocytes. Benjamin AM. **J Neurochem** 1987 Apr;48(4):1157–64

Epileptiform burst activity induced by potassium in the hippocampus and its regulation by GABA–mediated inhibition. Korn SJ, et al. **J Neurophysiol** 1987 Jan; 57(1):325–40

Cation effects on taurine release from brain slices: comparison to GABA. Oja SS, et al. **J Neurosci Res** 1987;17(3):302–11

Inhibitory effects of amphetamine on potassium–stimulated release of [3H]dopamine from striatal slices and synaptosomes. Bowyer JF, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):177–86

Ouabain binding to brain (Na+,K+)–adenosine triphosphatase: interactions of K+, ethanol and norepinephrine with high– and low–affinity binding. Swann AC. **J Pharmacol Exp Ther** 1987 Jan;240(1):187–95

Cellular redistribution of 45Ca in rabbit renal artery determined by electron microscopic autoradiography: changes in response to K+–induced depolarization and nitrendipine. Wheeler–Clark ES, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):286–95

Comparison of the effects of potassium and membrane potential on the calcium–dependent sodium efflux in squid axons. Allen TJ, et al. **J Physiol (Lond)** 1986 Sep;378:53–76

Effects of high potassium on the release of [3H]dopamine from the cat carotid body in vitro. Almaraz L, et al. **J Physiol (Lond)** 1986 Oct;379:293–307

The effect of potassium on carotid body chemoreceptor discharge in the anaesthetized cat. Band DM, et al. **J Physiol (Lond)** 1986 Dec;381:39–47

Effects of external calcium on potassium contractures in tonic muscle fibers of the frog (Rana pipiens). Huerta M, et al. **J Physiol (Lond)** 1986 Jul;376:219–30

Aldosterone production after short–term culture of rat adrenal capsule: responsiveness to angiotensin II, potassium and ACTH. Pratt JH, et al. **J Steroid Biochem** 1987 Mar; 26(3):355–9

Cellular mechanisms of supersensitivity to acetylcholine and potassium ion after ciliary ganglionectomy in the rat iris sphincter muscle. Banno H, et al. **Jpn J Pharmacol** 1987 Feb;43(2):153–63

Increase in chloride permeability of snail neurons during high potassium–induced hyperpolarization. Yai H. **Jpn J Physiol** 1986;36(6):1113–23

Potassium and norepinephrine– or angiotensin–mediated pressor control in pre–hypertension. Bianchetti MG, et al. **Kidney Int** 1987 Apr;31(4):956–63

Augmented aldosterone and insulin responses to potassium infusion in dogs with renal failure. Tuck ML, et al. **Kidney Int** 1986 Dec;30(6):883–90

Effect of opioid peptides and potassium on the release of vasoactive intestinal polypeptide and thyrotropin releasing hormone from perifused rat hypothalami. Burns G, et al. **Life Sci** 1987 Mar 9;40(10):951–7

Effects of K+–stimulation and precursor loading on the in vivo release of dopamine, serotonin and their metabolites in the nucleus accumbens of the rat. Guan XM, et al. **Life Sci** 1987 Jun 29;40(26):2579–86

Potassium reduces lithium toxicity: circadian rhythm actions are maintained. Klemfuss H, et al. **Life Sci** 1987 Jun 29; 40(26):2531–8

Electromechanical effects of tetraethylammonium and K+ on histamine–induced contraction in pig isolated tracheal smooth muscle. Mitchell HW. **Lung** 1987;165(3):129–42

Cations and hypertension: sodium, potassium, calcium, and magnesium. Maxwell MH, et al. **Med Clin North Am** 1987 Sep;71(5):859–75 (154 ref.)

Ouabain and low extracellular potassium inhibit PTH secretion from bovine parathyroid cells by a mechanism that does not involve increases in the cytosolic calcium concentration. Brown EM, et al. **Metabolism** 1987 Jan; 36(1):36–42

Inhibition by K+ of uptake2 of 3H–(+/–)–isoprenaline in the perfused rat heart. Ludwig J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):393–6

Failure of K+ to affect the potency of inhibitors of the neuronal noradrenaline carrier in the rat vas deferens. Ungell AL, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):250–4

Effect of external high potassium and pH on the uptake of choline in glial and neuronal cells in culture. Mykita S, et al. **Neurochem Res** 1987 Aug;12(8):681–5

Effects of Bay K 8644 and other dihydropyridines on basal and potassium–evoked output of MSH from mouse melanotrophs in vitro. Taraskevich PS, et al. **Neuroendocrinology** 1986;44(3):384–9

Vasoactive intestinal polypeptide (VIP) inhibits potassium–induced release of cholecystokinin (CCK) from rat caudato–putamen but not from cerebral cortex. Allard LR, et al. **Neuropeptides** 1986 Oct;8(3):287–93

Release of [Met]enkephalin in the central nucleus of the amygdala is increased by application of potassium in the substantia nigra. Fayada C, et al. **Neuropeptides** 1987 Jan; 9(1):9–17

Receptor desensitization and the transient nature of the secretory response of adrenal chromaffin cells. Ohara–Imaizumi M, et al. **Neurosci Lett** 1986 Oct 8; 70(2):250–4

Contrasting monoamine oxidase activity and tyramine induced catecholamine release in PC12 and chromaffin cells. Youdim MB, et al. **Neuroscience** 1986 Dec; 19(4):1311–8

K+ –stimulated Na+ transport in frog–skin epithelia. Kaufman AI, et al. **Pflugers Arch** 1986 Dec;407(6):596–601

The effect of soman on potassium evoked 3H–acetylcholine release in the isolated rat bronchi. Aas P, et al. **Pharmacol Toxicol** 1987 Mar;60(3):206–9

Ginsenoside modulates K+–stimulated noradrenaline release from rat cerebral cortex slices. Tsang D, et al. **Planta Med** 1986 Aug;(4):266–8

High chronic ambient temperature stress effects on broiler acid–base balance and their response to supplemental ammonium chloride, potassium chloride, and potassium

carbonate. Teeter RG, et al. **Poult Sci** 1986 Sep; 65(9):1777–81

DNA synthesis and interferon release by human peripheral lymphocytes exposed to high potassium medium. Viti A, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):133–7

Glucose–insulin–potassium (GIK) in hypodynamic septic shock. Mauritz W, et al. **Prog Clin Biol Res** 1987; 236B:315–8

The respiration of rat brain mitochondria purified by phase partition. Effects of K+, Mg2+ and Ca2+. Sánchez-Prieto J, et al. **Rev Esp Fisiol** 1986 Dec; 42(4):427–34

Evidence that intraluminal pressure affects high potassium– and serotonin–induced contractions differently in the bovine middle cerebral artery: an in vitro study. Vinall PE, et al. **Stroke** 1987 Jan–Feb;18(1):92–100

Effects of calcium antagonists on isolated bovine cerebral arteries: inhibition of constriction and calcium–45 uptake induced by potassium or serotonin. Wendling WW, et al. **Stroke** 1987 May–Jun;18(3):591–8

Evidence for suppression of potassium conductance by noradrenaline in smooth muscle of guinea–pig vas deferens. Wakui M, et al. **Tohoku J Exp Med** 1986 Dec;150(4):365–71

Possible relationship between the release of calcium ions and inactivation of the potassium conductance induced by noradrenaline in smooth muscle of the guinea–pig vas deferens. Wakui M, et al. **Tohoku J Exp Med** 1986 Dec; 150(4):381–9

[Action of barium and potassium ions on fluctuations of the myocyte membrane potential in the rat papillary muscle] Zakharov SI, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):262–4 (Eng. Abstr.) **(Rus)**

[Variations in the sensitivity of the neuromuscular junctions of the frog to the blocking action of hyperkalemic solutions] Dobretsov MG. **Fiziol Zh SSSR** 1987 Mar;73(3):366–72 (Eng. Abstr.) **(Rus)**

[Effect of extracellular potassium ions on the potassium outward current which depends on extracellular calcium ions] Martyniuk AE. **Neirofiziologiia** 1987;19(3):351–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Dietary potassium modulates active potassium absorption and secretion in rat distal colon. Foster ES, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G619–26

Quinidine–induced inhibition of transient outward current in cardiac muscle. Imaizumi Y, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 2):H704–8

Potassium channels in Necturus proximal tubule. Kawahara K, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F488–94

Cellular calcium regulates outward currents in rabbit intestinal smooth muscle cell. Ohya Y, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):C401–10

Basolateral potassium channels in renal proximal tubule. Sackin H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F476–87

Pertussis toxin inhibits somatostatin–induced K+ conductance in human pituitary tumor cells. Yamashita N, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E28–32

Permeation in potassium channels: implications for channel structure. Yellen G. **Annu Rev Biophys Biophys Chem** 1987; 16:227–46 (80 ref.)

Experimental studies on mechanism of the Menière's attack: investigation into vestibulo–cochlear response of the guinea pig induced by potassium ion. Hozawa J, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S21–7

Membrane potential dependency of glutamic acid transport in rabbit jejunal brush–border membrane vesicles: K+ and H+ effects. Berteloot A. **Biochim Biophys Acta** 1986 Oct 23;861(3):447–56

Muscarinic agonists block five different potassium conductances in guinea–pig sympathetic neurones. Cassell JF, et al. **Br J Pharmacol** 1987 Jun;91(2):259–61

Neuroleptics decrease calcium–activated potassium conductance in hippocampal pyramidal cells. Dinan TG, et al. **Brain Res** 1987 Mar 24;407(1):159–62

A novel, calcium–induced triphasic current response in silent, non–bursting Aplysia neurons. Jones LS, et al. **Brain Res** 1986 Oct 15;385(1):46–50

Expression and regulation of tyrosine hydroxylase in adult sensory neurons in culture: effects of elevated potassium and nerve growth factor. Katz DM, et al. **Brain Res** 1986 Oct 15;385(1):68–73

Presynaptic glutamate receptor—possible involvement of a K+ channel. Miwa A, et al. **Brain Res** 1986 Oct 15; 385(1):161–4

Intracellular potassium activity, potassium equilibrium potential and membrane potential of carotid body glomus cells. Oyama Y, et al. **Brain Res** 1986 Sep 3;381(2):405–8

Detection and photoaffinity labeling of the Ca2+–activated K+ channel–associated apamin receptor in cultured astrocytes from rat brain. Seagar MJ, et al. **Brain Res** 1987 May 19;411(2):226–30

Pentobarbital inhibits hippocampal neurons by increasing potassium conductance. O'Beirne M, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):36–41

Tip size of ion–exchanger based K+–selective microelectrodes. II. Effects on measurement of evoked [K+]0 transients. Ransom BR, et al. **Can J Physiol Pharmacol** 1987 May;65(5):894–7

The role of K+ in the regulation of the increase in intracellular Ca2+ mediated by the T lymphocyte antigen receptor. Gray LS, et al. **Cell** 1987 Jul 3;50(1):119–27

Intracellular K+ activity, intracellular Na+ activity and maximum diastolic potential of canine subendocardial Purkinje cells from one–day–old infarcts. Dresdner KP, et al. **Circ Res** 1987 Jan;60(1):122–32

Control of spontaneous epileptiform discharges by extracellular potassium: an "in vitro" study in the CA1 subfield of the hippocampal slice. Tancredi V, et al. **Exp Brain Res** 1987;67(2):363–72

Effects of volume expansion and contraction on potassium homeostasis in normal and hypertensive humans. Luft FC, et al. **J Am Coll Nutr** 1986;5(4):357–69

Bicarbonate and potassium regulation of the shape of Streptococcus mutans NCTC 10449S. Tao L, et al. **J Bacteriol** 1987 Jun;169(6):2543–7

Comparative electrophysiological effects of disopyramide and bepridil on rabbit atrial, papillary, and Purkinje tissue: modification by reduced extracellular potassium. Winslow E, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec; 8(6):1208–16

Potassium–dependent assembly of coated pits: new coated pits form as planar clathrin lattices. Larkin JM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2619–27

Signal transduction in human neutrophil leucocytes: effects of external Na+ and Ca2+ on cell polarity. Haston WS, et al. **J Cell Sci** 1986 Jun;82:249–61

Mitogen induction of ion channels in murine T lymphocytes. Decoursey TE, et al. **J Gen Physiol** 1987 Mar;89(3):405–20

Characterization of the basolateral membrane conductance of Necturus urinary bladder. Demarest JR, et al. **J Gen Physiol** 1987 Apr;89(4):541–62

Interaction between the basolateral K+ and apical Na+ conductances in Necturus urinary bladder. Demarest JR, et al. **J Gen Physiol** 1987 Apr;89(4):563–80

Effects of extracellular choline concentration and K+ depolarization on choline kinase and choline acetyltransferase activities in superior cervical sympathetic ganglia excised from rats. Ando M, et al. **J Neurochem** 1987 May;48(5):1448–53

Transient and delayed potassium currents in the Retzius cell of the leech, Macrobdella decora. Johansen J, et al. **J Neurophysiol** 1986 Sep;56(3):812–22

Nonsynaptic epileptogenesis in the mammalian hippocampus in vitro. II. Role of extracellular potassium. Yaari Y, et al. **J Neurophysiol** 1986 Aug;56(2):424–38

Activators of adenylate cyclase and cyclic AMP prolong calcium–dependent action potentials of mouse sensory neurons in culture by reducing a voltage–dependent potassium conductance. Grega DS, et al. **J Neurosci** 1987 Mar;7(3):700–7

Spatial buffering of K+ by the retinal pigment epithelium in frog. Immel J, et al. **J Neurosci** 1986 Nov;6(11):3197–204

Distribution of potassium conductance in mammalian Müller (glial) cells: a comparative study. Newman EA. **J Neurosci** 1987 Aug;7(8):2423–32

Ion activities and potassium uptake mechanisms of glial cells in guinea–pig olfactory cortex slices. Ballanyi K, et al. **J Physiol (Lond)** 1987 Jan;382:159–74

Differentiation of voltage–gated potassium current and modulation of excitability in cultured amphibian spinal neurones. Barish ME. **J Physiol (Lond)** 1986 Jun;375:229–50

Modulation of potassium conductances by an endogenous neuropeptide in neurones of Aplysia californica. Brezina V, et al. **J Physiol (Lond)** 1987 Jan;382:267–90

Properties of potassium and sodium channels in frog internode. Grissmer S. **J Physiol (Lond)** 1986 Dec; 381:119–34

The involvement of basolateral potassium channels in the intestinal response to secretagogues in the rat. Hardcastle J, et al. **J Physiol (Lond)** 1986 Oct;379:331–45

Potassium transport of the frog retinal pigment epithelium: autoregulation of potassium activity in the subretinal space. la Cour M, et al. **J Physiol (Lond)** 1986 Jun;375:461–79

The effects of rubidium ions on components of the potassium conductance in the frog node of Ranvier. Plant TD. **J Physiol (Lond)** 1986 Jun;375:81–105

Studies of the unitary properties of adenosine–5'–triphosphate–regulated potassium channels of frog skeletal muscle. Spruce AE, et al. **J Physiol (Lond)** 1987 Jan;382:213–36

Lidocaine blockage of basolateral potassium channels in the amphibian urinary bladder. Van Driessche W. **J Physiol (Lond)** 1986 Dec;381:575–93

Acute uremia following dietary potassium depletion. II. Effect on tissue carbohydrate composition. Hörl WH, et al. **Miner Electrolyte Metab** 1987;13(1):7–12

Neuronal inhibition by the peptide FMRFamide involves opening of S K+ channels. Belardetti F, et al. **Nature** 1987 Jan 8–14;325(7000):153–6

Two polyphosphatidylinositide metabolites control two K+ currents in a neuronal cell. Higashida H, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):333–5

The beta gamma subunits of GTP–binding proteins activate the muscarinic K+ channel in heart. Logothetis DE, et al. **Nature** 1987 Jan 22–28;325(6102):321–6

Ohmic conductance through the inwardly rectifying K channel and blocking by internal Mg2+. Matsuda H, et al. **Nature** 1987 Jan 8–14;325(7000):156–9

Evidence for inhibition by ICS 205–930 and stimulation by BRL 34915 of K+ conductance in cardiac muscle. Scholtysik G. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun;335(6):692–6

Excitatory action of BAYK8644 on hippocampal pyramidal neurones of the guinea pig in vitro. Docherty RJ, et al. **Neurosci Lett** 1986 Oct 8;70(2):239–44

Voltage activated ionic currents in gonadotrophs of the ovine pars tuberalis. Sikdar SK, et al. **Neurosci Lett** 1986 Oct 30;71(1):95–100

Adrenaline–induced K+ efflux results in sodium pump stimulation in a sympathetic ganglion. Smith PA, et al. **Neurosci Lett** 1986 Oct 30;71(1):72–6

Inhibition of N–methyl–D–aspartate–induced hippocampal [3H]norepinephrine release by phencyclidine is dependent on potassium concentration. Snell LD, et al. **Neurosci Lett** 1987 Aug 5;78(3):333–7

Spreading depression in the olfactory bulb of rats: reliable initiation and boundaries of propagation. Amemori T, et al. **Neuroscience** 1987 Jul;22(1):29–36

Potassium homeostasis and hypokalemia. Linshaw MA. **Pediatr Clin North Am** 1987 Jun;34(3):649–81 (144 ref.)

Block and activation of the hyperpolarization–activated inward current by Ba and Cs in frog sinus venosus. Champigny G, et al. **Pflugers Arch** 1986 Dec;407(6):684–90

Oxytocin stimulates the apical K+ conductance in frog skin. Erlij D, et al. **Pflugers Arch** 1986 Dec;407(6):602–6

Relaxation induced by KCl, NaCl and sucrose in rabbit coronary arteries. Keef KD, et al. **Pflugers Arch** 1987 Jul; 409(3):308–13

Chloride transport in the diluting segment of the K+ adapted frog kidney: effect of amiloride and acidosis. Münich G, et al. **Pflugers Arch** 1986;407 Suppl 2:S60–5

The effect of cyanide on apparent potassium conductance across the peritubular cell membrane of frog proximal tubules. Rehwald W, et al. **Pflugers Arch** 1986 Dec; 407(6):607–10

Current–noise analysis of the basolateral route for K+ ions across a K+–secreting insect midgut epithelium (Manduca sexta). Zeiske W, et al. **Pflugers Arch** 1986 Dec; 407(6):657–63

Both barium and calcium activate neuronal potassium currents. Ribera AB, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6577–81

The alpha subunit of the GTP binding protein Gk opens atrial potassium channels. Codina J, et al. **Science** 1987 Apr 24;236(4800):442–5

Forskolin and phorbol esters reduce the same potassium conductance of mouse neurons in culture. Grega DS, et al. **Science** 1987 Jan 16;235(4786):345–8

Increased numbers of ion channels promoted by an intracellular second messenger. Gunning R. **Science** 1987 Jan 2;235(4784):80–2

Does the release of potassium from astrocyte endfeet regulate cerebral blood flow? Paulson OB, et al. **Science** 1987 Aug 21;237(4817):896–8

Recent advances in lymphocyte activation. Wedner HJ. **Year Immunol** 1985;1:129–35

[Influence of iontophoresed K+ on vestiburocochlear sensory cells and function] Fukuoka K. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):90–9 (Eng. Abstr.) **(Jpn)**

[Blocking of Ca–dependent K–conductivity—a possible common link in the mechanism of action of antimalaria agents] Sakharov DA, et al. **Dokl Akad Nauk SSSR** 1986 Nov–Dec;291(1):246–9 **(Rus)**

[Interaction of ionic membrane mechanisms in the regulation of slow electrical activity of the smooth muscle cells of the ureter] Kazarian KV, et al. **Fiziol Zh SSSR** 1987 Jun; 73(6):738–44 (Eng. Abstr.) **(Rus)**

POISONING

Poisoning associated with potassium. Chaturvedi AK, et al. **Hum Toxicol** 1986 Dec;5(6):377–80

SECRETION

Lactate increases potassium secretion by perfused rat kidney. Brezis M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F873–8

Dihydroxy bile salt–induced secretion of rubidium ion across the rabbit distal colon. Freel RW. **Am J Physiol** 1987 Apr; 252(4 Pt 1):G554–61

In situ studies of distal convoluted tubule in rat. II. K secretion. Schnermann J, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F970–6

Potassium secretion by nasal salt glands of desert lizard Sauromalus obesus. Shuttleworth TJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R83–90

Chloride–dependent potassium secretion in early and late renal distal tubules. Velázquez H, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F555–62

Enhanced rectal potassium secretion in chronic renal insufficiency: evidence for large intestinal potassium adaptation in man. Sandle GI, et al. **Clin Sci** 1986 Oct; 71(4):393–401

Potassium secretion in the guinea pig distal colon. Ishida H, et al. **Jpn J Physiol** 1987;37(1):33–48

THERAPEUTIC USE

The effect of sodium depletion and potassium supplementation on vasopressin, renin and catecholamines in hypertensive men. Os I, et al. **Acta Med Scand** 1986; 220(3):195–203

Hormonal responses to treatment of high blood pressure with low–salt diet alone and combined with added potassium. Os I, et al. **Acta Med Scand [Suppl]** 1986;714:93–7

Potassium is not a treatment for constipation [letter] Cooper

KL. **Am J Nurs** 1986 Dec;86(12):1338

Reduction of anthralin inflammation by potassium hydroxide and Teepol. Lawrence CM, et al. **Br J Dermatol** 1987 Feb; 116(2):171–7

High potassium diets markedly protect against stroke deaths and kidney disease in hypertensive rats, a possible legacy from prehistoric times. Tobian L. **Can J Physiol Pharmacol** 1986 Jun;64(6):840–8

The use of sodium and potassium to reduce toxicity and toxic side effects from lithium. Cater RE. **Med Hypotheses** 1986 Aug;20(4):359–83

Clinical observations made with Kalium-R depot tablet in hypokalaemic conditions. Kakuk G. **Ther Hung** 1983; 31(2):67–73

[Glucose–potassium–insulin in hypodynamic septic shock] Mauritz W, et al. **Anaesthesist** 1986 Oct;35(10):623–7 (Eng. Abstr.) **(Ger)**

[Kvadevit in the treatment of patients with chronic enterocolitis and persistent hepatitis] Neĭko VE. **Vrach Delo** 1987 Apr;(4):22–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Mutagenic activity of fluorides in mouse lymphoma cells. Caspary WJ, et al. **Mutat Res** 1987 Mar;187(3):165–80

Esophageal electrochemical burn by button-type alkaline batteries in dogs. Yamashita M, et al. **Vet Hum Toxicol** 1987 Jun;29(3):226–30

URINE

Circadian rhythms of 6-sulphatoxy melatonin, cortisol and electrolyte excretion at the summer and winter solstices in normal men and women. Kennaway DJ, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):450–6

Relation between potassium excretion and proximal tubular fluid output in conscious unoperated rats adapted to different dietary potassium contents. Thomsen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):236–41

Blood pressure and urinary cations in urban Bantu of Zaire. M'Buyamba-Kabangu JR, et al. **Am J Epidemiol** 1986 Dec; 124(6):957–68

The relation of urinary cations to blood pressure in boys aged seven to eight years. Zhu KM, et al. **Am J Epidemiol** 1987 Oct;126(4):658–63

Aldosterone is a physiologically significant kaliuretic hormone. Adam WR, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1048–54

Localization of alpha 2-adrenoceptor-mediated increase in renal Na+, K+, and water excretion. Stanton B, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1016–21

Relationship of urinary kallikrein excretion to urinary potassium excretion during furosemide administration with and without amiloride. Obika LF. **Arch Int Physiol Biochim** 1987 Mar;95(1):13–8

Relationship between salt excretion and blood pressure in various regions of China: Part 2. Liu LS, et al. **Bull WHO** 1986;64(5):729–33

Promotion by L-ascorbic acid of urinary bladder carcinogenesis in rats under conditions of increased urinary K ion concentration and pH. Fukushima S, et al. **Cancer Res** 1987 Sep 15;47(18):4821–4

In vivo estimation of changes in distal tubule flow and their role in dexamethasone-induced kaliuresis in control and potassium-adapted rats. Adam WR, et al. **Clin Exp Pharmacol Physiol** 1987 Jan;14(1):47–57

The effect of polyethylene glycol by gavage on electrolyte and water excretion in the rat. Sonkodi S, et al. **Clin Sci** 1986 Oct;71(4):445–8

The relationship between the plasma potassium concentration and renal potassium excretion in the adrenalectomized rat. West ML, et al. **Clin Sci** 1987 May;72(5):577–83

Circadian rhythms of urinary sodium, potassium and some agents influencing their excretion in young borderline hypertensives. Bultasová H, et al. **Endocrinol Exp (Bratisl)** 1986 Dec;20(4):359–69

Kaluresis independent K-homeostasis: glucagon and B receptor blockade in pancreatectomized dogs. Hiatt N, et al. **Horm Metab Res** 1986 Nov;18(11):739–42

A multi-centre study on within-person variability in the urinary excretion of sodium, potassium, calcium, magnesium and creatinine in 8 European centres. Knuiman JT, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):343–8

The relationship between cations and blood pressure in the People's Republic of China. Kesteloot H, et al. **Hypertension** 1987 Jun;9(6):654–9

Population based data on age related excretion of creatinine sodium and potassium in children of Southern Italy—the Cimitile study. De Santo NG, et al. **Int J Pediatr Nephrol** 1987 Jan-Mar;8(1):35–40

Anthropometric data, urinary electrolytes excretion, and blood pressure in adolescents. Maiorano G, et al. **J Clin Hypertens** 1987 Jun;3(2):164–72

Variability of urinary sodium and potassium excretion in north Chinese men. Liu LS, et al. **J Hypertens** 1987 Jun; 5(3):331–5

Relationships between blood pressure and urinary sodium, potassium, calcium and magnesium in Bantu of Zaire. M'Buyamba-Kabangu JR, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S27–30

Na+, K+, and BP homeostasis in man during furosemide: effects of prazosin and captopril. Wilcox CS, et al. **Kidney Int** 1987 Jan;31(1):135–41

New clinical approach to evaluate disorders of potassium excretion. West ML, et al. **Miner Electrolyte Metab** 1986; 12(4):234–8

Usefulness of the ratio UK/UNa+K for the study of the renal handling of sodium and potassium in full-term neonates. De Marchi S, et al. **Nephron** 1987;45(2):169–70

Potassium-sparing effect of trilostane in hydrochlorothiazide-treated rats and dogs. DeFelice AF, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):1–6

Circadian urinary characteristics of adolescents: sensitive dynamic indices complement mean values as new physiologic endpoints. Haus R, et al. **Prog Clin Biol Res** 1987;227B:21–30

Circaseptan rhythm in sodium and potassium excretion in salt-sensitive and salt-resistant Dahl rats. Uezono K, et al. **Prog Clin Biol Res** 1987;227A:297–307

[The relationship between sodium, potassium, calcium and magnesium in the urine and blood pressure] Zhu KM. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Feb; 8(1):9–13 (Eng. Abstr.) **(Chi)**

[The effect of benzbromarone and its combination with hydrochlorothiazide on the renal excretion of uric acid and electrolytes] Malý J. **Cas Lek Cesk** 1986 Aug 22; 125(34):1053–6 (Eng. Abstr.) **(Cze)**

[Clinical aspects of regulatory pathology] Hudečková M, et al. **Cesk Neurol Neurochir** 1986 Nov;49(6):415–6 **(Cze)**

[Asymptomatic hypokalemia and hypomagnesemia with renal cation loss (Gitelman syndrome)] Pistor K, et al. **Monatsschr Kinderheilkd** 1987 Jun;135(6):340–2 (Eng. Abstr.) **(Ger)**

[Simultaneous decrease of urinary sodium, potassium and chloride excretion induced by walking in children with mesangial cell proliferations] Asami T, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):749–61 (Eng. Abstr.) **(Jpn)**

[Overnight urine Na, K, creatinine in the Haruno-cho Blood Pressure Survey] Kitazumi T, et al. **Nippon Ronen Igakkai Zasshi** 1986 May;23(3):323–4 **(Jpn)**

POTASSIUM CHANNELS see **ION CHANNELS**

POTASSIUM CHLORIDE

Free radicals and cardioplegia: allopurinol and oxypurinol reduce myocardial injury following ischemic arrest. Chambers DJ, et al. **Ann Thorac Surg** 1987 Sep;44(3):291–7

Effects of pressure and potassium chloride on the aggregation of poly(gamma-benzyl-L-glutamate) in liposomal bilayers. Tamura K, et al. **Biophys Chem** 1986 Dec 15;25(2):169–74

Myocardial protection in the neonatal heart. A comparison of topical hypothermia and crystalloid and blood cardioplegic solutions. Corno AF, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):163–72

The relative buffering power of cardioplegic solutions. Kresh JY, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):309–11

The St. Thomas' Hospital cardioplegic solution. A comparison of the efficacy of two formulations. Ledingham SJ, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):240–6

Enhanced myocardial protection with high-energy phosphates in St. Thomas' Hospital cardioplegic solution. Synergism of adenosine triphosphate and creatine phosphate. Robinson LA, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):415–27

Homogeneity of potassium chloride in small volume intravenous containers. Drew D, et al. **Nurs Res** 1986 Nov-Dec;35(6):325–9

Intracellular pH measurement during cardiac arrest in ventricular myocardium by Bretschneider's cardioplegic solution HTK and St. Thomas Hospital solution with and without procaine. Heinemeyer D, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):48–52

[Feasibility of a program of moderate restriction of sodium using salt with low contents of sodium and dietetic prescriptions] Semplicini A, et al. **Cardiologia** 1987 Apr; 32(4):405–8 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

The effect of sodium depletion and potassium loading on cortisol induced hypertension in sheep. Mills EH, et al. **Acta Endocrinol (Copenh)** 1986 Oct;113(2):298–304

Therapeutic assessment of Slow-K and K-tab potassium chloride formulations in hypertensive patients treated with thiazide diuretics. Skoutakis VA, et al. **Drug Intell Clin Pharm** 1987 May;21(5):445–50

Rapid correction of hypokalaemia via the oral route [letter] Fournier G, et al. **Lancet** 1987 Jul 18;2(8551):163

The effects of bendroflumethiazide/potassium chloride versus hydrochlorothiazide/amiloride on blood pressure and serum electrolytes in patients with mild to moderate hypertension seen in general practice. Jørgensen F, et al. **Pharmatherapeutica** 1986;4(10):655–64

ADVERSE EFFECTS

Upper gastrointestinal tract bleeding from oral potassium chloride. Comparative risk from microencapsulated vs wax-matrix formulations. Strom BL, et al. **Arch Intern Med** 1987 May;147(5):954–7

Jejunal perforation possibly induced by slow-release potassium in a patient with Crohn's disease. Brower RA. **Dig Dis Sci** 1986 Dec;31(12):1387–90

Hyperkalemic cardiac arrest during an infusion of potassium chloride following an overdose of propranolol [letter] Cox J, et al. **Resuscitation** 1986 Dec;14(4):255–6

ANTAGONISTS & INHIBITORS

Effect of a smooth muscle relaxant from the stonefish, Synanceia trachynis, on KCl-induced responses in the guinea-pig vas deferens. Hoy AW, et al. **Eur J Pharmacol** 1986 Sep 23;129(1-2):105–12

DIAGNOSTIC USE

In vitro diagnosis of susceptibility to malignant hyperthermia: evaluation of tests with halothane-caffeine, potassium chloride, suxamethonium and caffeine-suxamethonium. Ording H, et al. **Acta Anaesthesiol Scand** 1987 Jul; 31(5):462–5

METABOLISM

Gastroscopic localization of a microencapsulated KCl preparation in the human stomach. Graham DY, et al. **Gastrointest Endosc** 1987 Jun;33(3):220–3

Diffusional solute flux during osmotic water flow across the human red cell membrane. Brahm J, et al. **J Gen Physiol** 1987 May;89(5):703–16

PHARMACODYNAMICS

Concomitant release by ion exchange of catecholamines (CA) and adenosine triphosphate (ATP) from bovine chromaffin granules superfused with isotonic sodium or potassium salt solutions. Uvnäs B, et al. **Acta Physiol Scand** 1987 Apr; 129(4):585–6

Rat mast cells superfused with isotonic solutions release histamine, probably via intracellular cation exchange K+ in equilibrium Hi+ ions. Uvnäs B, et al. **Acta Physiol Scand** 1986 Dec;128(4):657–8

Potassium-induced histamine release from mast cells and its inhibition by ketotifen. Németh A, et al. **Agents Actions** 1987 Apr;20(3-4):149–52

The calcium channel agonist BAY K8644 enhances the responsiveness of human airway muscle to KCl and histamine but not to carbachol. Marthan R, et al. **Am Rev Respir Dis** 1987 Jan;135(1):185–9

PC12 cells: a model system for studying drug effects on dopamine synthesis and release. Kittner B, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):181–94

Differential effects of phentolamine on the responsiveness of aortic and femoral smooth muscle from normotensive and DOCA/NaCl hypertensive rats. Soltis EE, et al. **Artery** 1986;13(6):325–39

Replacement of potassium chloride by potassium glutamate dramatically enhances protein-DNA interactions in vitro. Leirmo S, et al. **Biochemistry** 1987 Apr 21;26(8):2095–101

Influence of calcium lack and nifedipine on carbachol-, potassium- and quinine-induced contractions of the lizard isolated rectum. Savage AO, et al. **Comp Biochem Physiol [C]** 1986;85(2):341–3

Neuropeptide Y levels in microdissected regions of the hypothalamus and in vitro release in response to KCl and prostaglandin E2: effects of castration. Sahu A, et al. **Endocrinology** 1987 May;120(5):1831–6

Free amino acids in the pre-retinal vitreous space. Effect of high potassium and nipecotic acid. Gunnarson G, et al. **Exp Eye Res** 1987 Feb;44(2):235–44

On an Mg2+-dependent interaction of actin with glyceraldehyde-phosphate dehydrogenase. The fundamental role of KCl in the organization of F-actin. Lanzara V, et al. **FEBS Lett** 1987 Sep 14;221(2):387–90

Responses of isolated and perfused dog coronary arteries to acetylcholine, norepinephrine, KCl, and diltiazem before and after removal of the endothelial cells by saponin. Nakane T, et al. **Heart Vessels** 1986;2(4):221–7

Effects of potassium on macromineral absorption in sheep fed wheat straw-based diets. Grings EE, et al. **J Anim Sci** 1987 Mar;64(3):872–9

Responses of isolated canine and simian femoral arteries and veins to phenylephrine, xylazine and KCl after removal of endothelium. Chiba S, et al. **J Auton Pharmacol** 1987 Mar;7(1):3–10

Salt-induced activation of 1,25-dihydroxyvitamin D3 receptors to a DNA binding form. Hirst M, et al. **J Biol Chem** 1987 May 25;262(15):7072–5

Dependence of GnRH action on Na+, K+, and Ca2+ in the frog, Rana pipiens, pituitary. Porter DA, et al. **J Exp Zool** 1986 Sep;239(3):379–91

Influence of external barium and potassium on potassium efflux in depolarized frog sartorius muscles. Spalding BC, et al. **J Membr Biol** 1986;93(2):141–56

Effects of KCl-induced depolarization on the GABA concentration in the corpus striatum and in the substantia nigra. Lindgren S. **J Neural Transm** 1986;66(3-4):161–70

Enhancement by L-methionine of contractile responses to acetylcholine and high KCl in uterine segment. Ichida S, et al. **Jpn J Pharmacol** 1987 May;44(1):51–61

Base-substitution and frameshift mutagenesis by sodium chloride and potassium chloride in Saccharomyces cerevisiae. Parker KR, et al. **Mutat Res** 1987 Sep; 189(1):11–4

Differential release of [3H]acetylcholine from the rat phrenic nerve-hemidiaphragm preparation by electrical nerve stimulation and by high potassium. Wessler I, et al.

Neuroscience 1987 Jul;22(1):289–99
Apparent dissociation between myosin light chain phosphorylation and maximal velocity of shortening in KCl depolarized swine carotid artery: effect of temperature and KCl concentration. Moreland S, et al. **Pflugers Arch** 1987 Feb;408(2):139–45
The natriuretic effect of an acute peroral load of potassium chloride after inhibition of potassium secretion with amiloride or lithium. Vendelin Olesen O, et al. **Pharmacol Toxicol** 1987 Jul;61(1):9–11
Potassium balance of the 5 to 8–week–old broiler exposed to constant heat or cycling high temperature stress and the effects of supplemental potassium chloride on body weight gain and feed efficiency. Smith MO, et al. **Poult Sci** 1987 Mar;66(3):487–92
High chronic ambient temperature stress effects on broiler acid–base balance and their response to supplemental ammonium chloride, potassium chloride, and potassium carbonate. Teeter RG, et al. **Poult Sci** 1986 Sep; 65(9):1777–81
Post–ischemic renal function after kidney protection with the HTK–solution of Bretschneider. Kallerhoff M, et al. **Urol Res** 1986;14(5):271–7
Short–term perfusion and "equilibration" of canine kidneys with protective solutions. Kallerhoff M, et al. **Urol Res** 1987;15(1):5–12
[Kidney function parameters following ischemia stress using the Euro–Collins solution or the Bretschneider cardioplegic HTK solution] Kallerhoff M, et al. **Urologe [A]** 1987 Mar; 26(2):96–103 (Eng. Abstr.) **(Ger)**
[Effects of KCl on the distribution of vimentin in cultured cells] Machi T. **Fukuoka Igaku Zasshi** 1986 Jun; 77(6):333–47 (Eng. Abstr.) **(Jpn)**

POISONING

Gastric complication of massive Slow–K overdose. Ward C, et al. **Br J Surg** 1987 Jun;74(6):490
Hazard of potassium chloride solution [letter] Hawkins C. **Br Med J** 1987 Jan 3;294(6563):54
Hazard of potassium chloride solution [letter] Lakhani M. **Br Med J** 1987 Jan 24;294(6566):248

THERAPEUTIC USE

District focus: oral rehydration, primary health care and the acientist. Jansen AA, et al. **East Afr Med J** 1986 Sep; 63(9):622–5
Double–blind, placebo–controlled trial of potassium chloride in the treatment of mild hypertension. Svetkey LP, et al. **Hypertension** 1987 May;9(5):444–50
Role of potassium in mild and moderate essential hypertension. Mathur MN, et al. **J Assoc Physicians India** 1986 May;34(5):354–6
Potassium supplementation in essential hypertension [letter] Rao A. **J Assoc Physicians India** 1986 Jun;34(6):453
Sodium and potassium intake in the management of high blood pressure. MacGregor GA. **J Clin Hypertens** 1986 Jun;2(2):132–40

POTASSIUM CYANIDE see under **CYANIDES**

POTASSIUM DEFICIENCY

Neuroendocrine factors mediating polydipsia induced by dietary Na, Cl, and K depletion. Saikaley A, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1071–7

BLOOD

Acute uremia following dietary potassium depletion. I. Effect on blood parameters related to carbohydrate metabolism. Hörl WH, et al. **Miner Electrolyte Metab** 1986;12(4):218–25

COMPLICATIONS

Dietary NaCl determines severity of potassium depletion–induced metabolic alkalosis. Hernandez RE, et al. **Kidney Int** 1987 Jun;31(6):1356–67

ENZYMOLOGY

Characterization of K–ATPase activity in distal nephron: stimulation by potassium depletion. Doucet A, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F418–23

ETIOLOGY

Etiologies and management of potassium deficiency. Knochel JP. **Hosp Pract [Off]** 1987 Jan 15;22(1):153–62

METABOLISM

31P–NMR in vivo measurement of renal intracellular pH: effects of acidosis and K+ depletion in rats. Adam WR, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F904–10
Alterations of enzymatic activities along rat collecting tubule in potassium depletion. Imbert–Teboul M, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F408–17
Effect of potassium concentration and ouabain on the renal adaptation to potassium depletion in isolated perfused rat kidney. Ornt DB. **Can J Physiol Pharmacol** 1986 Nov; 64(11):1427–33
Effect of reduced endocytosis induced by hypotonic shock and potassium depletion on the infection of Hep 2 cells by picornaviruses. Madshus IH, et al. **J Cell Physiol** 1987 Apr;131(1):14–22
Effect of potassium depletion of Hep 2 cells on intracellular pH and on chloride uptake by anion antiport. Madshus IH, et al. **J Cell Physiol** 1987 Apr;131(1):6–13
Intra– and inter–nephron heterogeneity of ammoniagenesis in rats: effects of chronic metabolic acidosis and potassium depletion. Nonoguchi H, et al. **Pflugers Arch** 1986 Sep; 407(3):245–51

OCCURRENCE

Prevalence of magnesium and potassium deficiencies in the elderly. Touitou Y, et al. **Clin Chem** 1987 Apr;33(4):518–23

PHYSIOPATHOLOGY

Potassium depletion ameliorates hypertension in spontaneously hypertensive rats. Linas SL, et al. **Hypertension** 1986 Nov;8(11):990–6
Potassium depletion enhances renal compensatory hypertrophy in the nephrectomized rat. Peterson LN, et al. **Miner Electrolyte Metab** 1987;13(1):57–62
[Correlation of acute potassium depletion, prostanoids and renal function] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1135–41 (Eng. Abstr.) **(Ita)**
[Functional role of prostanoids in acute and moderate potassium depletion] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1127–33 (Eng. Abstr.) **(Ita)**
[Acute and moderate potassium depletion and the correlation of diuresis and urinary excretion of various prostanoids] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30; 62(9):1119–25 (Eng. Abstr.) **(Ita)**

POTASSIUM DICHROMATE see under **CHROMATES**

POTASSIUM IODIDE

ADVERSE EFFECTS

Radionuclide imaging of potassium iodide–induced sialadenitis. Goldberg RE, et al. **Clin Nucl Med** 1987 May; 12(5):370–2
[Tuberous iododerma due to solutan] Raznatovskiĭ IM, et al. **Vestn Dermatol Venerol** 1986;(10):71–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The mechanism of TSH induced increase in binding of EGF to porcine thyroid cell monolayers; the role of thyroid hormones. Atkinson S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:260–3
Ultrastructure of Sporothrix schenckii treated with iodine–potassium iodide solution. Hiruma M, et al. **Mycopathologia** 1987 Feb;97(2):121–7
Comparison of L–thyroxine and a saturated solution of potassium iodide in preventing damage to the thyroid following iodine–131–labeled antibody injection. Abdel–Nabi H, et al. **NCI Monogr** 1987;(3):63–6

THERAPEUTIC USE

Reduced radiostrontium absorption in a human subject treated with composite treatment for mixed fission product contamination. Kostial K, et al. **Health Phys** 1987 Mar; 52(3):371–2
Orbital mucormycosis (phycomycosis) (a survival with amphotericin–B and potassium iodide). Grewal RK, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):239–41
Effect of sodium ipodate and iodide on free T4 and free T3 concentrations in patients with Graves' disease. Robuschi G, et al. **J Endocrinol Invest** 1986 Aug;9(4):287–91
Reactor accidents. Public health strategies and their medical implications. Becker DV. **JAMA** 1987 Aug 7;258(5):649–54
[Complex iodopyrone–based preparations in the prevention and treatment of wound infections] Datsenko BM, et al. **Klin Khir** 1987;(1):35–7 (Eng. Abstr.) **(Rus)**

POTASSIUM MAGNESIUM ASPARTATE see under **ASPARTIC ACID**

POTASSIUM PERMANGANATE

ADVERSE EFFECTS

Potassium permanganate induced oesophageal stricture [published erratum appears in Hum Toxicol 1987 May;6(3):following 260] Kochhar R, et al. **Hum Toxicol** 1986 Dec;5(6):393–4
[Occupational dermatoses and potassium permanganate production] Tsyrkunov LP. **Gig Tr Prof Zabol** 1986 Oct; (10):49–50 **(Rus)**

DIAGNOSTIC USE

[Discriminative value of potassium permanganate staining in systemic amyloidosis] González–García JJ, et al. **Rev Clin Esp** 1987 Feb;180(3):132–5 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Sensitivity of DNA and nucleotides to oxidation by permanganate and hydrogen peroxide. Sagelsdorff P, et al. **Arch Toxicol [Suppl]** 1987;11:84–8
[A study on the effect of inactivation of hepatitis B virus with potassium permanganate] Zhao SZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):349–51 (Eng. Abstr.) **(Chi)**

POISONING

Ingestion of potassium permanganate crystals by a three–year–old boy. Southwood T, et al. **Med J Aust** 1987 Jun 15;146(12):639–40

POTASSIUM RADIOISOTOPES

ANALYSIS

Radionuclide content of and 222Rn emanation from building materials made from phosphate industry waste products. Paredes CH, et al. **Health Phys** 1987 Jul;53(1):23–9
A model for human body composition by total body counting. Lloyd RD, et al. **Hum Biol** 1987 Feb;59(1):7–30
[Proportion of body constituents determined by 40K in healthy persons and in disease] Sokol NI, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):17–27 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Design of a shadow shield counter for the measurement of total body potassium. Beddoe AH, et al. **Australas Phys Eng Sci Med** 1986 Oct–Dec;9(4):173–9

METABOLISM

Comparison of rubidium–86 and potassium–42 fluxes in rat aorta. Smith JM, et al. **Blood Vessels** 1986;23(6):297–309

POTATOES

Plasma glucose and insulin responses to starchy foods in Australian aborigines: a population now at high risk of diabetes. Thorburn AW, et al. **Am J Clin Nutr** 1987 Aug; 46(2):282–5
Inhibition of radiation–induced transformation of C3H/10T1/2 cells by chymotrypsin inhibitor 1 from potatoes. Billings PC, et al. **Carcinogenesis** 1987 Jun; 8(6):809–12
Different glycaemic responses to pasta, bread, and potatoes in diabetic patients. Parillo M, et al. **Diabetic Med** 1985 Sep;2(5):374–7
Nutritive value of potato processing wastes in total mixed rations for dairy cattle. Onwubuemeli C, et al. **J Dairy Sci** 1985 May;68(5):1207–14

ANALYSIS

[Gas chromatographic method of determining the insecticide methoxychlor in water and plant tissues] Novitskiĭ VF. **Gig Sanit** 1986 Jul;(7):45–6 **(Rus)**

ENZYMOLOGY

Molecular properties of pyrophosphate:fructose–6–phosphate phosphotransferase from potato tuber. Kruger NJ, et al. **Arch Biochem Biophys** 1987 Jul;256(1):273–9
Evidence for separate elongation enzymes for very–long–chain–fatty–acid synthesis in potato (Solanum tuberosum). Walker KA, et al. **Biochem J** 1986 Jul 1; 237(1):41–6

GENETICS

Improved method for the isolation of RNA from plant tissues. Logemann J, et al. **Anal Biochem** 1987 May 15;163(1):16–20
Organ–specific and dosage–dependent expression of a leaf/stem specific gene from potato after tagging and transfer into potato and tobacco plants. Stockhaus J, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3479–91

IMMUNOLOGY

[Hemagglutination of lectins of Solanum tuberosum L] Martín Gómez C, et al. **Sangre (Barc)** 1987;32(1):77–82 (Eng. Abstr.) **(Spa)**

METABOLISM

Digestion of polysaccharides of potato in the small intestine of man. Englyst HN, et al. **Am J Clin Nutr** 1987 Feb; 45(2):423–31

MICROBIOLOGY

Flagella of a plant–growth–stimulating Pseudomonas fluorescens strain are required for colonization of potato roots. De Weger LA, et al. **J Bacteriol** 1987 Jun; 169(6):2769–73
[Primary structure of the potato virus X genome: the region preceding the capsid protein cistron] Morozov SIu, et al. **Mol Gen Mikrobiol Virusol** 1987 Mar;(3):32–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Lesions of potato sprout and extracted potato sprout alkaloid toxicity in Syrian hamsters. Baker D, et al. **J Toxicol Clin Toxicol** 1987;25(3):199–208

POTENTIOMETRY

Oxidation–reduction potential studies: a new method in pharmacology principles, materials, and methods. Rouillon JD, et al. **J Pharmacol Methods** 1987 Apr;17(2):179–84

INSTRUMENTATION

[Transient characteristics of potentiometric systems] Vishnevskil ME, et al. **Med Tekh** 1986 Sep–Oct;(5):7–13 (Eng. Abstr.) **(Rus)**

METHODS

[Method of preparing incubation medium for potentiometric determination of enzyme activity] Khvatova EM, et al. **Lab Delo** 1987;(7):510–2 (Eng. Abstr.) **(Rus)**

POTT'S DISEASE see TUBERCULOSIS, SPINAL

POULTRY

Residue levels of hexachlorobenzene in meat and poultry in the food supply of the USA. Brown EA, et al. **IARC Sci Publ** 1986;(77):99–108

Poultry offal ensiled with lactobacillus acidophilus for growing and finishing swine diets. Tibbetts GW, et al. **J Anim Sci** 1987 Jan;64(1):182–90

Efficacies of mixtures of disinfectants and insecticides. Geden CJ, et al. **Poult Sci** 1987 Apr;66(4):659–65

Detection of blood (hemoglobin) contamination in poultry muscle tissue. Lyon BG, et al. **Poult Sci** 1986 Oct; 65(10):1919–24

Livestock production in central Mali: ownership, management and productivity of poultry in the traditional sector. Kuit HG, et al. **Trop Anim Health Prod** 1986 Nov; 18(4):222–31

Anesthetic techniques in poultry. Hartsfield SM, et al. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):711–30 (42 ref.)

Minor drug use residue avoidance. Cordle MK. **Vet Hum Toxicol** 1987;29 Suppl 1:14–8

[Possibilities for decontaminating the air in commercial poultry breeding] Petkov G, et al. **Vet Med Nauki** 1987; 24(3):67–72 (Eng. Abstr.) **(Bul)**

[The use of flocculation sludge in poultry feed. Chemical and microbiological composition] Mulder RW, et al. **Tijdschr Diergeneeskd** 1986 Oct 15;111(20):973–8 (Eng. Abstr.) **(Dut)**

[Hygienic evaluation of the meat of birds frozen in a refrigerant medium (freon–12)] Bronnikova IA, et al. **Gig Sanit** 1986 Sep;(9):19–22 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Further studies on knee ligament failure in broiler breeding fowls. Duff SR. **J Comp Pathol** 1986 Sep;96(5):485–95

The gastrocnemius tendon of domestic fowl: histological findings in different strains. Duff SR, et al. **Res Vet Sci** 1986 Nov;41(3):402–9

GENETICS

Test for linkage between the eumelanin restrictor (Db) and the eumelanin extension (Ml) genes in the domestic fowl. Carefoot WC. **Br Poult Sci** 1987 Mar;28(1):69–73

METABOLISM

Factors in the accumulation of dieldrin in broiler organs: doses administered with feed; dose–organ–dieldrin accumulated relationship; toxicological consequences. Gallego–Iniesta M, et al. **Comp Biochem Physiol [C]** 1987; 86(2):289–94

Crystal structure of hen egg–white lysozyme at a hydrostatic pressure of 1000 atmospheres. Kundrot CE, et al. **J Mol Biol** 1987 Jan 5;193(1):157–70

MICROBIOLOGY

Poultry waste associated type C botulism in cattle. Smart JL, et al. **Epidemiol Infect** 1987 Feb;98(1):73–9

Comparative study of Shimizu Gibbs' sets for phage typing Staphylococcus aureus isolated from poultry. Shimizu A, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1071–81

Methods for detecting and enumerating Campylobacter jejuni and Campylobacter coli in poultry. Beuchat LR. **Poult Sci** 1986 Dec;65(12):2192–8

Current progress in reducing salmonella colonization of poultry by 'competitive exclusion'. Mead GC, et al. **Soc Appl Bacteriol Symp Ser** 1986;15:67S–75S (44 ref.)

Characteristics of Staphylococcus aureus strains, isolated from slaughtered poultry. Lukášová J, et al. **Zentralbl Mikrobiol** 1986;141(3):163–8

[Species structure of Salmonellae isolated from mammals, poultry, feed mixtures and the environment 1976–1980] Kaloianov I, et al. **Vet Med Nauki** 1987;24(5):44–51 (Eng. Abstr.) **(Bul)**

[Sensitivity of Salmonellae isolated from poultry to bacteriophage O1] Stefanov M, et al. **Vet Med Nauki** 1987; 24(1):24–7 (Eng. Abstr.) **(Bul)**

[Incidence of Campylobacter jejuni/coli in swine and poultry. Possible relationship to human disease on the basis of characteristics of species and serotype] Rusu V, et al. **Rev Ig [Bacteriol]** 1986 Oct–Dec;31(4):303–10 (Eng. Abstr.) **(Rum)**

[Frequency of infection with Campylobacter jejuni/coli and the occurrence of IgG, IgM and complement–fixing antibodies against the agent in workers in poultry abattoirs in Santiago, Chile] Soto A, et al. **Zentralbl Veterinarmed [B]** 1986 Nov;33(9):676–84 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Are there hunger and satiety factors in the blood of domestic fowls? Savory CJ, et al. **Appetite** 1987 Apr;8(2):101–10

Calcium dynamics: a model system approach. Hurwitz S, et al. **J Nutr** 1987 Apr;117(4):791–6

Role of epiphyseal cartilage in endochondral bone formation. Leach RM Jr, et al. **J Nutr** 1987 Apr;117(4):784–90

Studies on the vitamin D endocrine system in the avian. Norman AW. **J Nutr** 1987 Apr;117(4):797–807

Metabolic aspects of calcification in avians. Soares JH Jr. **J Nutr** 1987 Apr;117(4):783

Renal regulation of avian calcium and phosphorus metabolism. Wideman RF Jr. **J Nutr** 1987 Apr; 117(4):808–15

An alternative explanation for apparent satiating properties of peripherally administered bombesin and cholecystokinin in domestic fowls. Savory CJ. **Physiol Behav** 1987; 39(2):191–202

Influence of ambient temperature on feeding activity parameters and digestive function in domestic fowls. Savory CJ. **Physiol Behav** 1986;38(3):353–7

Abstracts of papers. Seventh annual meeting of the Southern Poultry Science Society. January 21–22, 1986, World Congress Center, Atlanta, Georgia. **Poult Sci** 1986;65 Suppl 1:152–200

Abstracts of papers to be presented at the 76th annual meeting of the Poultry Science Association, Inc. **Poult Sci** 1987;66 Suppl 1:51–196

Abstracts of papers to be presented at the 75th annual meeting of the Poultry Science Association, Inc. **Poult Sci** 1986;65 Suppl 1:1–151

Abstracts of papers. Eighth annual meeting of the Southern Poultry Science Society. **Poult Sci** 1987;66 Suppl 1:1–50

Lighting and sex ratio for breeding ringnecked pheasants in confined housing. Bates DP, et al. **Poult Sci** 1987 Apr; 66(4):605–12

Changes in ring–necked pheasants' (Phasianus colchicus) egg formation time, oviposition lag time, and egg sequence length due to ahemeral light–dark cycles. Blake AG, et al. **Poult Sci** 1987 Feb;66(2):231–6

Ahemeral light–dark cycles and egg production parameters of ring–necked pheasants (Phasianus colchicus). Blake AG, et al. **Poult Sci** 1987 Feb;66(2):258–63

POULTRY DISEASES

Destructive cartilage loss in the joints of adult male broiler breeding fowls. Duff SR. **J Comp Pathol** 1987 May; 97(3):237–46

Traumatic avulsion of the proximal femoral articular cartilage as a cause of hip dislocation in broiler chickens. Mitchell JR, et al. **J S Afr Vet Assoc** 1986 Sep;57(3):133–7

Abstracts of papers to be presented at the 75th annual meeting of the Poultry Science Association, Inc. **Poult Sci** 1986;65 Suppl 1:1–151

Abstracts of papers to be presented at the 76th annual meeting of the Poultry Science Association, Inc. **Poult Sci** 1987;66 Suppl 1:51–196

Abstracts of papers. Eighth annual meeting of the Southern Poultry Science Society. **Poult Sci** 1987;66 Suppl 1:1–50

Abstracts of papers. Seventh annual meeting of the Southern Poultry Science Society. January 21–22, 1986, World Congress Center, Atlanta, Georgia. **Poult Sci** 1986;65 Suppl 1:152–200

Duck hepatitis type I and influenza in mallard ducks (Anas platyrhynchos). Gough RE, et al. **Vet Rec** 1986 Dec 13; 119(24):602

Mixed infection with Chlamydia psittaci, fowlpox virus and Haemophilus gallinarum in broiler breeder chicks. Malkinson M, et al. **Vet Rec** 1987 May 9;120(19):461–2

[Neoplasms in poultry] Reifinger M, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):48–57 (Eng. Abstr.) **(Ger)**

[Sequelae of concomitant infection of chicks with adenovirus or reovirus and the agent of avian infectious anemia (CAA)] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1986 Dec; 33(10):717–26 (Eng. Abstr.) **(Ger)**

BLOOD

Effect of Eimeria acervulina infection on chick (Gallus domesticus) high density lipoprotein composition. Allen PC. **Comp Biochem Physiol [B]** 1987;87(2):313–9

Serum lipids and lipoproteins in hypothyroidism. Schjeide OA, et al. **Cytobios** 1986;48(192):7–24

Fine structural and cytochemical studies of eosinophils from fowls and ducks with eosinophilia. Maxwell MH. **Res Vet Sci** 1986 Sep;41(2):135–48

Effect of Raillietina echinobothrida infection on blood values and intestinal tissues of domestic fowls of Bangladesh. Samad MA, et al. **Vet Parasitol** 1986 Oct;21(4):279–84

[Changes in the iron content, erythrocytes and hemoglobin in the blood of poultry with acute experimental fowl typhoid] Kokosharov T, et al. **Vet Med Nauki** 1987; 24(5):70–4 (Eng. Abstr.) **(Bul)**

[Crisis and blood coagulation in chickens with experimental spirochetosis] Nikolov ND. **Vet Med Nauki** 1987; 24(3):47–50 (Eng. Abstr.) **(Bul)**

CHEMICALLY INDUCED

Reactions of the thymus and bursa of Fabricius in aminophenazone + natrium nitrite intoxicated and ascorbic acid treated chickens. Giurgea R, et al. **Agressologie** 1986 May;27(5):405–6

Ability of ethoxyquin and butylated hydroxytoluene to counteract deleterious effects of dietary aflatoxin in chicks. Ehrich M, et al. **Avian Dis** 1986 Oct–Dec;30(4):802–7

Muscovy ducklings, a particularly sensitive avian bioassay for T–2 toxin and diacetoxyscirpenol. Shlosberg AS, et al. **Avian Dis** 1986 Oct–Dec;30(4):820–4

Salt poisoning in turkey poults. Swayne DE, et al. **Avian Dis** 1986 Oct–Dec;30(4):847–52

Formation of associations of colored and flavored food with induced sickness in five avian species. Martin GM, et al. **Behav Neural Biol** 1985 May;43(3):223–37

Persistent inhibitory effect of colchicine subperineurially injected to tibial nerve in chicken. Tanabe A. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1053–5

Relative importance of dietary aflatoxin and feed restriction on reproductive changes associated with aflatoxicosis in the maturing White Leghorn male. Clarke RN, et al. **Poult Sci** 1986 Dec;65(12):2239–45

Effect of vitamin E and synthetic antioxidants on the survival rate of mercury–poisoned Japanese quail. Kling LJ, et al. **Poult Sci** 1987 Feb;66(2):325–31

Ochratoxicosis A in young Khaki Campbell ducklings. Burns RB, et al. **Res Vet Sci** 1987 May;42(3):395–403

Experimental aflatoxicosis in hybro–type chicks: sequential changes in growth and serum constituents and histopathological changes. Dafalla R, et al. **Vet Hum Toxicol** 1987 Jun;29(3):222–6

Poisoning in a chicken flock caused by sulphachloropyrazine. Reece RL, et al. **Vet Rec** 1986 Sep 27;119(13):324–5

An overview of aflatoxicosis of poultry: its characteristics, prevention and reduction. Dalvi RR. **Vet Res Commun** 1986 Nov;10(6):429–43 (71 ref.)

[Several cases of nitrite poisoning in broiler breeding hens] Litjens JB, et al. **Tijdschr Diergeneeskd** 1987 Jan 1; 112(1):27–8 (Eng. Abstr.) **(Dut)**

CONGENITAL

Gall bladder anomaly in a young chicken. Anderson WI, et al. **Cornell Vet** 1986 Oct;76(4):380–5

Impaired vision in chickens associated with retinal defects. Curtis PE, et al. **Vet Rec** 1987 Jan 31;120(5):113–4

DIAGNOSIS

An enzyme–linked immunosorbent assay for serodiagnosis of coccidiosis in chickens: use of a single serum dilution. Onaga H, et al. **Avian Dis** 1986 Oct–Dec;30(4):658–61

Immunofluorescence as a potential diagnostic method for turkey rhinotracheitis. Baxter–Jones C, et al. **Vet Rec** 1986 Dec 13;119(24):600–1

An enzyme–linked immunosorbent assay for the serodiagnosis of turkey rhinotracheitis infection. Grant M, et al. **Vet Rec** 1987 Mar 21;120(12):279–80

Probable infectious stunting syndrome in replacement pullets. Swarbrick O. **Vet Rec** 1986 Oct 4;119(14):352–5

[Outbreak of infectious laryngotracheitis (ILT) in a flock of young hens] Hoop R, et al. **Schweiz Arch Tierheilkd** 1986 Aug;128(8):433–8 (Eng. Abstr.) **(Ger)**

[The modified Johnson–Reid method—a practice model for coccidiosis monitoring in the fattening of young fowl?] Schmid HP. **Tierarztl Prax** 1987;15(1):37–42 (32 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Medication of inflammation of the phallus in geese. Czifra G, et al. **Acta Vet Hung** 1986;34(3–4):211–23

Use of flumethrin for the control of Dermanyssus gallinae in a broiler breeder flock [published erratum appears in Aust Vet J 1987 May;64(5):132] Cooper NA, et al. **Aust Vet J** 1987 Mar;64(3):83

The resistance of antimicrobial agents in salmonella from veterinary sources in Australia from 1975 to 1982. Murray CJ, et al. **Aust Vet J** 1986 Sep;63(9):286–92

Efficacy of maduramicin against ionophore–tolerant field isolates of coccidia in broilers. McDougald LR, et al. **Avian Dis** 1987 Apr–Jun;31(2):302–8

Dose–titration of fenbendazole in the treatment of poultry nematodiasis. Yazwinski TA, et al. **Avian Dis** 1986 Oct–Dec;30(4):716–8

An evaluation of apramycin soluble powder for the treatment of naturally acquired Escherichia coli infections in broilers. Cracknell VC, et al. **J Vet Pharmacol Ther** 1986 Sep; 9(3):273–9

Anticoccidial efficacy of halofuginone in turkeys reared to market weight. McDougald LR, et al. **Poult Sci** 1986 Sep; 65(9):1664–70

Anticoccidial activity of 9–(2–chloro–6–fluorobenzyl)–6–methylaminopurine and 9–(2–chloro–6–fluorobenzyl)–6–dimethylaminopurine against Eimeria tenella, E. acervulina, and E. maxima in battery trials. Matsuno T. **Vet Parasitol** 1986 Dec; 22(3–4):249–58

Systemic efficacy of ivermectin against Dermanyssus gallinae (De Geer, 1778) in fowls. Zeman P. **Vet Parasitol** 1987 Jan;23(1–2):141–6

Additional studies on the therapeutic efficacy of sulphadimidine sodium in experimental Escherichia coli infection of broilers. Goren E, et al. **Vet Q** 1987 Jan; 9(1):86–7

The ecology of Escherichia coli in animals including man with particular reference to drug resistance. Hinton M. **Vet Rec** 1986 Oct 25;119(17):420–6

Use of 'ionophores' as coccidiostats [letter] Miller DJ. **Vet Rec** 1986 Nov 8;119(19):484

[Effect of Baytril (Bay Vp 2674) on young turkeys with respiratory tract infections] Braunius WW. **Tijdschr Diergeneeskd** 1987 May 1;112(9):531–3 (Eng. Abstr.) **(Dut)**

[Problems of drug administration in drinking water in poultry husbandry] Läders H. **DTW** 1986 Jul 23;93(7):300–3 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Enhanced production of pancreatic digestive enzymes during aflatoxicosis in egg-type chickens. Richardson KE, et al. **Poult Sci** 1987 Apr;66(4):640–4

Decrease in catalase activity of cultured cells by Mycoplasma gallisepticum infection. Nunoya T, et al. **Vet Microbiol** 1987 Apr;13(4):343–51

ETIOLOGY

Pathogenesis of rotavirus infection in various age groups of chickens and turkeys: clinical signs and virology. Yason CV, et al. **Am J Vet Res** 1987 Jun;48(6):977–83

Flaccid paralysis of undetermined aetiology in commercial game-birds. Reece RL, et al. **Aust Vet J** 1986 Jul; 63(7):230–1

Effects of excess vitamin D3 and cage density on the incidence of leg abnormalities in broiler chickens. Cruickshank JJ, et al. **Avian Dis** 1987 Apr–Jun;31(2):332–8

Ophthalmopathy in a broiler breeder flock reared in dark-out housing. Cummings TS, et al. **Avian Dis** 1986 Jul–Sep; 30(3):609–12

Conium maculatum (poison hemlock) toxicosis in a flock of range turkeys. Frank AA, et al. **Avian Dis** 1987 Apr–Jun; 31(2):386–8

Clinical encephalitis following avian encephalomyelitis vaccination in broiler breeder pullets. Glisson JR, et al. **Avian Dis** 1987 Apr–Jun;31(2):383–5

Right ventricular failure and ascites in broiler chickens caused by phosphorus-deficient diets. Julian RJ, et al. **Avian Dis** 1986 Jul–Sep;30(3):453–9

The effects of heat-labile Bordetella avium toxin on turkey poults. Rhoades KR, et al. **Avian Dis** 1987 Apr–Jun; 31(2):345–50

Possible causes of subfertility in hens following insemination near the time of oviposition. Brillard JP, et al. **Br Poult Sci** 1987 Jun;28(2):307–18

Effects of histamine antagonists, an anticholinergic agent and antacid on gizzard erosions in broiler chicks. Miyazaki S, et al. **Br Poult Sci** 1987 Mar;28(1):39–45

Liver diseases in the Indian pekin duck associated with a human hepatitis-B like virus (ICRON). Mehrotra R, et al. **Indian J Med Res** 1987 Apr;85:347–57

Contribution of Salmonella gallinarum large plasmid toward virulence in fowl typhoid. Barrow PA, et al. **Infect Immun** 1987 Feb;55(2):388–92

Broiler pulmonary hypertension syndrome. I. Increased right ventricular mass in broilers experimentally infected with Aegyptianella pullorum. Huchzermeyer FW, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):113–4

Effects of light source, ambient temperature, and dietary energy source on the general performance and incidence of leg abnormalities of roaster chickens. Hulan HW, et al. **Poult Sci** 1987 Apr;66(4):645–51

Light intensity effects on performance, activity, leg disorders, and sudden death syndrome of roaster chickens. Newberry RC, et al. **Poult Sci** 1986 Dec;65(12):2232–8

Effect of dietary acidification on kidney damage induced in immature chickens by excess calcium and infectious bronchitis virus. Wideman RF Jr, et al. **Poult Sci** 1987 Apr; 66(4):626–33

Neuroma formation following partial beak amputation (beak trimming) in the chicken. Gentle MJ. **Res Vet Sci** 1986 Nov;41(3):383–5

The pathology and pathogenesis of Salmonella stanley infection in experimental chicks. Rao V, et al. **Res Vet Sci** 1987 May;42(3):287–93

Fatty and hemorrhagic liver and kidney syndrome in breeding hens caused by aflatoxin B1 and heat stress in the Sudan. Dafalla R, et al. **Vet Hum Toxicol** 1987 Jun; 29(3):252–4

Aggregation behaviour in hens and 'sudden death syndrome' [letter] Curtis PE. **Vet Rec** 1986 Nov 29;119(22):560

[The pathogenesis of "egg drop syndrome 76" after experimental infection of one-day-old chicks and laying hens] Friedericks M, et al. **Berl Munch Tierarztl Wochenschr** 1987 Feb 1;100(2):41–7 (Eng. Abstr.) **(Ger)**

[Pathogenesis of upper respiratory viral infection in protein deficient chickens] Ukai K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Sep;89(9):1172–8 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Thyroid hormone response to thyrotrophin releasing hormone (TRH) in the sex-linked dwarf chicken. Hoshino S, et al. **Endocrinol Jpn** 1986 Oct;33(5):675–82

Faded shaker, a lethal pigment and neurological mutation in the chicken. Silversides FG, et al. **J Hered** 1986 Sep–Oct; 77(5):295–300

Anticonvulsant effects of ivermectin in genetically-epileptic chickens. Crichlow EC, et al. **Neuropharmacology** 1986 Oct;25(10):1085–8

[Chromosome analysis of ducklings with a defective phenotype] Lemáková S, et al. **Vet Med (Praha)** 1987 May; 32(5):315–20 (Eng. Abstr.) **(Slo)**

HISTORY

American Association of Avian Pathologists tribute to Melvin S. Hofstad (1915–1986). **Avian Dis** 1986 Jul–Sep; 30(3):451–2

American Association of Avian Pathologists tribute to Charles A. Bottorff (1901–1985). Rosenwald AS. **Avian Dis** 1986 Jul–Sep;30(3):449–50

IMMUNOLOGY

Comparison of vaccination protocols of broiler breeder hens for Pasteurella multocida utilizing enzyme-linked immunosorbent assay and virulent challenge. Hofacre CL, et al. **Avian Dis** 1987 Apr–Jun;31(2):260–3

Comparison of disease susceptibility and subclass-specific antibody response in SC and FP chickens experimentally inoculated with Eimeria tenella, E. acervulina, or E. maxima. Lillehoj HS, et al. **Avian Dis** 1987 Jan–Mar; 31(1):112–9

Antinuclear antibody in chickens with reoviral arthritis. Pradhan HK, et al. **Avian Dis** 1987 Apr–Jun;31(2):249–53

Comparison of adjuvants for an inactivated infectious coryza vaccine. Reid GG, et al. **Avian Dis** 1987 Jan–Mar; 31(1):59–63

Association of complement sensitivity with virulence of Pasteurella multocida isolated from turkeys. Snipes KP, et al. **Avian Dis** 1986 Jul–Sep;30(3):500–4

Immunity induced with an aluminum hydroxide-adsorbed Mycoplasma gallisepticum bacterin in chickens. Yagihashi T, et al. **Avian Dis** 1987 Jan–Mar;31(1):149–55

Antibody responses in sera and respiratory secretions from chickens infected with Mycoplasma gallisepticum. Yagihashi T, et al. **Avian Dis** 1986 Jul–Sep;30(3):543–50

Standardization and application of the enzyme-linked immunosorbent assay for infectious bronchitis. Zellen GK, et al. **Avian Dis** 1986 Oct–Dec;30(4):695–8

Quantitation of natural antibodies to infectious bursal disease in Nigerian indigenous chickens. Sokale EO, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):53–7

Triiodothyronine affects mitogen responsiveness in sex-linked dwarf and Cornell K strain chickens. Erf GF, et al. **Dev Comp Immunol** 1987 Spring;11(2):395–406

Delayed wattle reactions in Eimeria tenella infected chickens. Taylor RL Jr, et al. **Dev Comp Immunol** 1986 Summer; 10(3):387–94

Concentration of 125globulins in intestinal tissues of immunized and non-immunized chickens infected with Eimeria acervulina. McKenzie ME, et al. **J Parasitol** 1986 Oct;72(5):791–2

Influence of the major histocompatibility complex on disease resistance and productivity. Bacon LD. **Poult Sci** 1987 May;66(5):802–11 (63 ref.)

Effect of corticosterone on the incidence of amelanosis in Smyth delayed amelanotic line chickens. Boyle ML 3d, et al. **Poult Sci** 1987 Feb;66(2):363–7

Antibodies to avian infectious bronchitis virus in Pakistani chickens. Muneer MA, et al. **Poult Sci** 1987 Apr; 66(4):765–7

Effect of infectious stunting syndrome on the immunocompetence of broilers. Timms LM, et al. **Res Vet Sci** 1987 May;42(3):339–42

Challenge study on infectious bursal disease in chicks derived from vaccinated hens. Abdu PA, et al. **Trop Anim Health Prod** 1987 Feb;19(1):47–52

Immune response during coccidiosis in SC and FP chickens. I. In vitro assessment of T cell proliferation response to stage-specific parasite antigens. Lillehoj HS. **Vet Immunol Immunopathol** 1986 Dec;13(4):321–30

Immune mechanisms in infections of poultry. Powell PC. **Vet Immunol Immunopathol** 1987 May;15(1–2):87–113 (133 ref.)

Bile and serum immunoglobulin levels during primary and secondary infections with Eimeria tenella in chickens. Clare RA, et al. **Vet Parasitol** 1987 Jun;25(1):33–8

The extraintestinal stages of Eimeria tenella and E. maxima in the chicken. Perry EA, et al. **Vet Parasitol** 1987 Jun; 25(1):9–17

Antibodies to TRT in chickens with swollen head syndrome [letter] Wyeth PJ, et al. **Vet Rec** 1987 Mar 21;120(12):286–7

[Incidence of serum neutralizing antibodies to various variant strains of the infectious bronchitis virus in chickens in South Württemberg] Lohr JE. **Berl Munch Tierarztl Wochenschr** 1986 Dec 1;99(12):411–4 (Eng. Abstr.) **(Ger)**

[Immunogenicity of inactivated, multivalent IB/ND oil emulsion vaccine in hybrid laying and fattening animal flocks] Cegla C, et al. **DTW** 1986 Nov 21;93(10):481–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Production of VLDL and vitellogenin(s) in oestrogen-challenged hypothyroid chickens. Schjeide OA, et al. **Cytobios** 1986;48(193):71–84

Primary structure of duck amyloid protein A. The form deposited in tissues may be identical to its serum precursor. Ericsson LH, et al. **FEBS Lett** 1987 Jun 22;218(1):11–6

Field rickets in turkeys: relationship to vitamin D. Bar A, et al. **Poult Sci** 1987 Jan;66(1):68–72

Muscle protein turnover in sex-linked dwarf and normal broiler chickens. Jones SJ, et al. **Poult Sci** 1986 Nov; 65(11):2082–9

Improvement of body weight and nitrogen balance of chicks fed histidine-free or lysine-free diets with supplementation of graded levels of sulfur-containing amino acids. Kino K, et al. **Poult Sci** 1986 Sep;65(9):1736–40

The effect of single essential amino acid deprivation on chick growth and nitrogen and energy balances at ad libitum- and equalized-food intakes. Kino K, et al. **Poult Sci** 1986 Sep;65(9):1728–35

Fractional rates of muscle protein synthesis and degradation in chickens with genetic muscular dystrophy. Maeda Y, et al. **Poult Sci** 1987 Apr;66(4):757–9

Diminished hepatic growth hormone receptor binding in sex-linked dwarf broiler and leghorn chickens. Leung FC, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):234–8

Pharmacokinetic changes of several antibiotics in chickens during induced fatty liver. Soback S, et al. **Res Vet Sci** 1987 Jul;43(1):49–54

MICROBIOLOGY

Pathological and immunological studies on chicken embryos and day-old chicks experimentally infected with Mycoplasma gallisepticum. Glávits R, et al. **Acta Vet Hung** 1986;34(3–4):189–200

Biochemical and serological characteristics of Campylobacter jejuni strains isolated from chickens. Varga J, et al. **Acta Vet Hung** 1986;34(1–2):49–53

Adherence of Bordetella avium to turkey tracheal mucosa: effects of culture conditions. Arp LH. **Am J Vet Res** 1986 Dec;47(12):2618–20

An in vivo model for the study of Bordetella avium adherence to tracheal mucosa in turkeys. Arp LH, et al. **Am J Vet Res** 1986 Dec;47(12):2614–7

Effects of Bordetella avium infection on the pulmonary clearance of Escherichia coli in turkeys. Van Alstine WG, et al. **Am J Vet Res** 1987 Jun;48(6):922–6

Effect of a preliminary infection of ducks with EDS-76 virus on the Derzsy's disease pathology. Coudert F, et al. **Ann Rech Vet** 1987;18(1):79–84

Studies on Pasteurella multocida of birds. Second communication: Colonial and biochemical characteristics in association with virulence to mice. Farid AH, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):197–201

Studies on Pasteurella multocida of birds. Third communication: Serological typing of Pasteurella multocida strains isolated from chickens and turkeys. Farid AH, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):202–7

Pathogenic and structural properties of wild type infectious bursal disease virus (IBDV) and virus grown in vitro. Lange H, et al. **Arch Virol** 1987;92(3–4):187–96

Natural duck hepatitis B virus infection in Australia. Freiman JS, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):477–84

The pathogenicity of an avian influenza virus isolated in Victoria. Forman AJ, et al. **Aust Vet J** 1986 Sep;63(9):294–6

Observations on naturally occurring inclusion body hepatitis in Victorian chickens. Reece RL, et al. **Aust Vet J** 1986 Jun;63(6):201–2

Mycosis of commercial Japanese quail, ducks and turkeys. Reece RL, et al. **Aust Vet J** 1986 Jun;63(6):196–7

The application of the ELISA to the diagnosis and control of avian encephalomyelitis. Smart IJ, et al. **Aust Vet J** 1986 Sep;63(9):297–9

Necrotic enteritis in cage-reared commercial layer pullets. Broussard CT, et al. **Avian Dis** 1986 Jul–Sep;30(3):617–9

Influence of dietary calcium stress on lethality of avian influenza viruses for laying chickens. Brugh M, et al. **Avian Dis** 1986 Oct–Dec;30(4):672–8

An outbreak of coccidiosis and necrotic enteritis in 16-week-old cage-reared layer replacement pullets. Frame DD, et al. **Avian Dis** 1986 Jul–Sep;30(3):601–2

Experimental infection of laying chickens with egg-drop syndrome 1976 virus. Higashihara M, et al. **Avian Dis** 1987 Jan–Mar;31(1):193–6

Subcutaneous clostridial infection in broilers. Hofacre CL, et al. **Avian Dis** 1986 Jul–Sep;30(3):620–2

Staphylococcosis of turkeys. 1. Portal of entry and tissue colonization. Jensen MM, et al. **Avian Dis** 1987 Jan–Mar; 31(1):64–9

Primary isolation and identification of avian rotaviruses from turkeys exhibiting signs of clinical enteritis in a continuous MA 104 cell line. Kang SY, et al. **Avian Dis** 1986 Jul–Sep; 30(3):494–9

Staphylococcosis of turkeys. 2. Assay of protein A levels of staphylococci isolated from turkeys. LeFevre SD, et al. **Avian Dis** 1987 Jan–Mar;31(1):70–3

A quantitative study of single and mixed infection of the chicken trachea by Mycoplasma gallisepticum. Levisohn S, et al. **Avian Dis** 1987 Jan–Mar;31(1):1–12

Conjunctival cryptosporidiosis in a duck. Mason RW.

Avian Dis 1986 Jul–Sep;30(3):598–600

Staphylococcosis of turkeys. 3. Bacterial interference as a possible means of control. Meyers CM, et al. **Avian Dis** 1987 Jan–Mar;31(1):74–9

Infection of duck plague carriers with Pasteurella multocida and P. anatipestifer. Mo CL, et al. **Avian Dis** 1987 Jan–Mar; 31(1):197–201

Role of route of exposure, age, sex, and type of chicken on the pathogenicity of avian reovirus strain 81–176. Montgomery RD, et al. **Avian Dis** 1986 Jul–Sep;30(3):460–7

Laryngotracheitis outbreak limited to a part of a chicken flock exposed to smoke and chemicals. Morris MP, et al. **Avian Dis** 1986 Oct–Dec;30(4):843–6

Effects of infectious bronchitis virus (Arkansas strain) on laying chickens. Muneer MA, et al. **Avian Dis** 1986 Oct–Dec;30(4):644–7

Studies on orthoreoviruses isolated from young turkeys. III. Pathogenic effects in chicken embryos, chicks, poults, and suckling mice. Nersessian BN, et al. **Avian Dis** 1986 Jul–Sep;30(3):585–92

Preliminary studies on bacterial interference of staphylococcosis of chickens. Nicoll TR, et al. **Avian Dis** 1987 Jan–Mar;31(1):140–4

A survey of enteric viruses of turkey poults. Reynolds DL, et al. **Avian Dis** 1987 Jan–Mar;31(1):89–98

Astrovirus: a cause of an enteric disease in turkey poults. Reynolds DL, et al. **Avian Dis** 1986 Oct–Dec;30(4):728–35

Oral challenge of turkey poults with Mycoplasma iowae. Shah-Majid M, et al. **Avian Dis** 1987 Apr–Jun;31(2):365–9

Turkey coryza: lack of correlation between plasmids and pathogenicity of Bordetella avium. Simmons DG, et al. **Avian Dis** 1986 Jul–Sep;30(3):593–7

Fate of Pasteurella multocida in the blood vascular system of turkeys following intravenous inoculation: comparison of an encapsulated, virulent strain with its avirulent, acapsular variant. Snipes KP, et al. **Avian Dis** 1987 Apr–Jun;31(2):254–9

Biological and immunological characterization of pili of Escherichia coli serotypes O1, O2, and O78 pathogenic to poultry. Suwanichkul A, et al. **Avian Dis** 1986 Oct–Dec; 30(4):781–7

Staphylococcosis of turkeys. 4. Characterization of a bacteriocin produced by an interfering Staphylococcus. Wilkinson DM, et al. **Avian Dis** 1987 Jan–Mar;31(1):80–4

A historical account of the diagnosis and characterization of strains of Mycoplasma gallisepticum of low virulence. Yoder HW Jr. **Avian Dis** 1986 Jul–Sep;30(3):510–8

Gordon memorial lecture. Poultry disease and public health. Kampelmacher EH. **Br Poult Sci** 1987 Mar;28(1):3–13

Escherichia coli serotypes in domestic fowl of Punjab. Sarma DK, et al. **Br Vet J** 1987 May–Jun;143(3):273–7

Serogroup F, a new capsule serogroup of Pasteurella multocida. Rimler RB, et al. **J Clin Microbiol** 1987 Apr; 25(4):615–8

Molecular epidemiology of infectious bronchitis virus in The Netherlands. Kusters JG, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):343–52

Evaluation of respiratory lesions in chickens induced by Mycoplasma gallisepticum. Nunoya T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):621–9

Invasion of Salmonella typhimurium into the cecal wall of gnotobiotic chickens with Eimeria tenella. Fukata T, et al. **Poult Sci** 1987 Apr;66(4):760–1

Effects of fasting, water deprivation, and adrenal-blocking chemicals on resistance to Escherichia coli challenge. Gross WB, et al. **Poult Sci** 1987 Feb;66(2):270–2

Influence of resident Salmonella on contamination of broiler flocks. Lahellec C, et al. **Poult Sci** 1986 Nov;65(11):2034–9

Observations on the pathogenesis of experimental Salmonella typhimurium infection in chickens. Barrow PA, et al. **Res Vet Sci** 1987 Mar;42(2):194–9

Atypical rotavirus in chickens in Argentina. Bellinzoni R, et al. **Res Vet Sci** 1987 Jul;43(1):130–1

Triple plaque purified strains of duck hepatitis virus and their potential as vaccines. Davis D. **Res Vet Sci** 1987 Jul; 43(1):44–8

Demonstration in live chickens of the carrier state in infectious laryngotracheitis. Hughes CS, et al. **Res Vet Sci** 1987 May;42(3):407–10

Studies on the possible roles of naturally infected Nigerian local chickens and vaccine virus in the epidemiology of infectious bursal disease. Adene DF, et al. **Rev Elev Med Vet Pays Trop** 1985;38(2):122–6

Close relationship between TRT virus isolates [letter] Baxter-Jones C, et al. **Vet Rec** 1987 Jun 6;120(23):562

A togavirus-like agent in the pancreatic duct of chickens with infectious stunting syndrome. Frazier JA, et al. **Vet Rec** 1986 Aug 30;119(9):209–10

Duck virus enteritis in waterfowl [letter] Gough RE, et al. **Vet Rec** 1987 Jul 18;121(3):72

An outbreak of duck virus enteritis in commercial ducks and geese in East Anglia. Gough RE, et al. **Vet Rec** 1987 Jul 25;121(4):85

Experimental infection of chickens with a ciliostatic agent isolated from turkeys with rhinotracheitis. Jones RC, et al. **Vet Rec** 1987 Mar 28;120(13):301–2

Re-excretion of an enterotropic infectious bronchitis virus by hens at point of lay after experimental infection at day old. Jones RC, et al. **Vet Rec** 1987 Jun 27;120(26):617–8

Demonstration of a candidate virus for turkey rhinotracheitis in experimentally inoculated turkeys. Jones RC, et al. **Vet Rec** 1986 Dec 13;119(24):599–600

Application of ELISA to study avian encephalomyelitis in a flock of turkeys. Malkinson M, et al. **Vet Rec** 1986 Nov 15;119(20):503–4

Preliminary observations on a virus associated with turkey rhinotracheitis [letter] Wyeth PJ, et al. **Vet Rec** 1986 Aug 9;119(6):139

Investigations into the location of Treponema hyodysenteriae in the cecum of experimentally infected young broiler chicks by light- and electronmicroscopy. Sueyoshi M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):447–53

[Demonstration of a reovirus in helicopter disease of broilers] Gerganov G, et al. **Vet Med Nauki** 1987;24(3):21–32 (Eng. Abstr.) **(Bul)**

[Studies on the relationship of duck hepatoma and duck hepatitis B virus in a high incidence area of human hepatoma] Hsia CC, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):22–5 (Eng. Abstr.) **(Chi)**

[Experimental animal studies with Campylobacter jejuni and Campylobacter coli in chickens] Köhler B, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):37–50 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa infections in turkey poults and treatment trials with apramycin] Hafez HM, et al. **Berl Munch Tierarztl Wochenschr** 1987 Feb 1;100(2):48–51 (Eng. Abstr.) **(Ger)**

[Adenoviruses in chickens: an attempt at summarizing] Monreal G. **Berl Munch Tierarztl Wochenschr** 1987 Feb 1;100(2):37–41 (33 ref.) (Eng. Abstr.) **(Ger)**

[Incidence and transmission of Campylobacter jejuni/coli in the production of young fattening poultry. 2. Study of the characterization, resistance behavior and pathogenicity of Campylobacter jejuni/coli in poultry] Altmeyer M, et al. **DTW** 1986 Nov 21;93(10):469–72 (Eng. Abstr.) **(Ger)**

[Attenuation of the agent of avian infectious anemia (CAA) by serial passage in cell cultures] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):568–73 (Eng. Abstr.) **(Ger)**

[Multiplication of the pathogen of avian infectious anemia (CCA) in chick embryos] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1986 Nov;33(9):664–9 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Isolation of Chlamydia psittaci from commercial broiler chickens. Barr DA, et al. **Aust Vet J** 1986 Nov;63(11):377–8

American Association of Avian Pathologists 1985 summary of disease reports. Adams WW, et al. **Avian Dis** 1986 Oct–Dec;30(4):856–92

An outbreak of avian urolithiasis on a large commercial egg farm. Cowen BS, et al. **Avian Dis** 1987 Apr–Jun;31(2):392–7

Prevalence of Mycoplasma gallisepticum and M. synoviae in commercial layers in southern and central California. Mohammed HO, et al. **Avian Dis** 1986 Jul–Sep;30(3):519–26

Enteric viral infections of turkey poults: incidence of infection. Reynolds DL, et al. **Avian Dis** 1987 Apr–Jun; 31(2):272–6

Ectoparasitic fauna of poultry in Nsukka, Nigeria. Ugochukwu EI, et al. **Int J Zoonoses** 1986 Jun;13(2):93–7

Age-related infections with rotavirus, rotaviruslike virus, and atypical rotavirus in turkey flocks. Theil KW, et al. **J Clin Microbiol** 1987 Feb;25(2):333–7

Effect of light intensity, litter source, and litter management on the incidence of leg abnormalities and performance of male turkeys. Hester PY, et al. **Poult Sci** 1987 Apr; 66(4):666–75

Chronic orthopaedic disease in adult male broiler breeding fowls. Duff SR, et al. **Res Vet Sci** 1986 Nov;41(3):340–8

Coccidiosis of ducks and geese. Edgar SA. **Vet Hum Toxicol** 1987;29 Suppl 1:68–70 (32 ref.)

Diseases diagnosed in replacement layer and breeder chicken flocks in Victoria, Australia, 1977 to 1985. Reece RL, et al. **Vet Rec** 1986 Nov 8;119(19):471–5

[Present occurrence of parainfluenza virus 2 in hybrid laying chickens] Zeydanli M, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):197–201 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Experimentally induced infections in turkeys with Cryptosporidium baileyi isolated from chickens. Lindsay DS, et al. **Am J Vet Res** 1987 Jan;48(1):104–8

Effect of Eimeria maxima infection on development of Eimeria tenella in immunized chickens. Yvoré P, et al. **Ann Rech Vet** 1986;17(4):451–6

Response of leukocytes in chickens infected with the avian schistosome Austrobilharzia variglandis (Trematoda). Ferris M, et al. **Avian Dis** 1986 Oct–Dec;30(4):683–6

Experimental Cryptosporidium baileyi infections in chickens and turkeys produced by ocular inoculation of oocysts. Lindsay DS, et al. **Avian Dis** 1987 Apr–Jun;31(2):355–7

A survey of sensitivity to anticoccidial drugs in 60 isolates of coccidia from broiler chickens in Brazil and Argentina. McDougald LR, et al. **Avian Dis** 1987 Apr–Jun; 31(2):287–92

Drug-sensitivity of 99 isolates of coccidia from broiler farms. McDougald LR, et al. **Avian Dis** 1986 Oct–Dec;30(4):690–4

Cryptosporidia in the respiratory tract of turkeys. Ranck FM Jr, et al. **Avian Dis** 1987 Apr–Jun;31(2):389–91

Avian toxoplasmosis: experimental infection of chicken and pigeon. Biancifiori F, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):337–46

Development of Trichobilharzia australis Blair & Islam, 1983 in the snail, Lymnaea lessoni Deshayes and in an experimental definitive host, the Muscovy duck. Islam KS. **J Helminthol** 1986 Dec;60(4):301–6

Development, growth, and migration of Philophthalmus gralli (Trematoda) from Jordan in the eyes of chicks. Ismail NS, et al. **J Helminthol** 1987 Jun;61(2):163–8

Eimeria spp. of domestic fowl: the migration of sporozoites intra- and extra-enterically. Fernando MA, et al. **J Parasitol** 1987 Jun;73(3):561–7

The effects of gossypol on spermatogenesis and development of the eyefluke, Philophthalmus gralli, and its chicken host. MacNab RK, et al. **J Parasitol** 1987 Aug;73(4):749–55

A redescription of the life cycle of Eimeria mitis Tyzzer, 1929. Novilla MN, et al. **J Protozool** 1987 Feb;34(1):87–92

Myopathy associated with megaloschizonts of Haemoproteus meleagridis in a wild turkey from Florida. Atkinson CT, et al. **J Wildl Dis** 1987 Jul;23(3):495–8

Detection of serum antibody to Leucocytozoon caulleryi in naturally infected chickens by enzyme-linked immunosorbent assay. Isobe T, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):165–7

Immunoglobulin M and G immune response to Leucocytozoon caulleryi in chickens. Isobe T, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):333–9

Long-term antibody response to Leucocytozoon caulleryi in experimentally infected chickens. Isobe T, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):357–9

Experimental cryptosporidiosis in broiler chickens. Blagburn BL, et al. **Poult Sci** 1987 Mar;66(3):442–9

Effect of dietary buffer additions on gain, efficiency, duodenal pH, and copper concentration in liver of Eimeria acervulina-infected chicks. Fox MC, et al. **Poult Sci** 1987 Mar;66(3):500–4

Effect of infection with Eimeria tenella upon the cecal bacterial population in monoflora chickens. Fukata T, et al. **Poult Sci** 1987 May;66(5):841–4

Gut stasis in chickens infected with Eimeria. McKenzie ME, et al. **Poult Sci** 1987 Feb;66(2):264–9

Resistance to natural and controlled exposures to Eimeria tenella: genetic variation and alloantigen systems. Martin A, et al. **Poult Sci** 1986 Oct;65(10):1847–52

Effect of mild infections with six species of Eimeria on skin pigmentation of broiler chickens [published erratum appears in Poult Sci 1986 Dec;65(12):2376] Ogbuokiri UD, et al. **Poult Sci** 1986 Sep;65(9):1816–8

Microelements in the circulation of coccidiosis-infected chicks. Turk DE. **Poult Sci** 1986 Nov;65(11):2098–103

Further investigation of the dietary protein and monensin level interrelationship in broiler chicks: influence of Eimeria acervulina infection, increased dietary protein, and level of feed intake. Welch CC, et al. **Poult Sci** 1986 Oct; 65(10):1939–44

Establishment of Ascaridia galli in betamethasone-treated chickens. Dhar DN, et al. **Vet Parasitol** 1987 Jun; 25(1):67–73

PATHOLOGY

Pathogenesis of rotavirus infection in various age groups of chickens and turkeys: pathology. Yason CV, et al. **Am J Vet Res** 1987 Jun;48(6):927–38

Morphometric and radiographic characteristics of tibial bone of broiler chickens with twisted leg disorders. Cruickshank JJ, et al. **Avian Dis** 1986 Oct–Dec;30(4):699–708

Focal ulcerative dermatitis ("breast buttons") in marketed turkeys. Gonder E, et al. **Avian Dis** 1987 Jan–Mar; 31(1):52–8

Cysts resembling hydatids in a chicken. Schmidt GD, et al. **Avian Dis** 1986 Oct–Dec;30(4):840–2

Histopathologic changes induced by serotype II infectious bursal disease virus in specific-pathogen-free chickens. Sivanandan V, et al. **Avian Dis** 1986 Oct–Dec;30(4):709–15

Pinealoma in a broiler breeder. Swayne DE, et al. **Avian Dis** 1986 Oct–Dec;30(4):853–5

The Slate turkey: a model for secondary angle closure glaucoma. de Kater AW, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1751–4

Thinning of articular cartilage in the domestic fowl. Duff SR. **J Comp Pathol** 1987 Jan;97(1):41–50

Focal myocardial necrosis with calcification in two young chickens. Nakamura K. **J Comp Pathol** 1986 Nov; 96(6):711–5

Peripheral neuropathy of dietary riboflavin deficiency in chickens. Jortner BS, et al. **J Neuropathol Exp Neurol** 1987 Sep;46(5):544–55

Scanning electron microscopy of thin and soft shells induced by feeding calcium-deficient or vitamin D-deficient diets to laying hens. Narbaitz R, et al. **Poult Sci** 1987 Feb; 66(2):341–7

Observations on femoral head abnormalities in broilers. Duff SR, et al. **Res Vet Sci** 1987 Jan;42(1):17–23

Fluid accumulation in the ligated intestinal loop and histopathological changes of the intestinal mucosa caused by Clostridium botulinum C2 toxin in the pheasant and chicken. Kurazono H, et al. **Res Vet Sci** 1987 May; 42(3):349–53

Pathology of concanavalin A-induced cutaneous reaction in the chicken. Sinha BK, et al. **Res Vet Sci** 1987 May; 42(3):365–72

Histopathology of infectious bursal disease in non-lymphoid organs of chickens. Okoye JO.

Rev Elev Med Vet Pays Trop 1985;38(3):229–34
Lymphocytic depletion of bursa of Fabricius and thymus in chickens inoculated with Escherichia coli. Nakamura K, et al. **Vet Pathol** 1986 Nov;23(6):712–7
Liver abnormality in broilers. Randall CJ, et al. **Vet Rec** 1986 Dec 6;119(23):576
[Avian pathology in Ethiopia. Examination of 198 necropsies performed 1983–1984 at the Debre-Zeit Faculty of Veterinary Medicine] Alamargot J, et al.
Rev Elev Med Vet Pays Trop 1985;38(2):130–7 (Eng. Abstr.) **(Fre)**
[Pathology and electron microscopic demonstration of viruses in tissues in Derzsy's disease (Parvovirus infection) of goslings] Bergmann V. **Arch Exp Veterinarmed** 1987 Mar;41(2):212–21 (Eng. Abstr.) **(Ger)**
[Deformities in the skeleton of laying hens from battery and ground housing] Wokac RM.
Berl Munch Tierarztl Wochenschr 1987 Jun 1;100(6):191–8 (Eng. Abstr.) **(Ger)**
[Binuclear neurons in the brain of hens with experimental pesticide poisoning] Lakomy M, et al. **Pol Arch Weter** 1984; 24(2):247–52 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

The effects of infectious coryza on the egg production of a layer flock. Arzey GG. **Aust Vet J** 1987 Apr;64(4):124–6
The relationship of right ventricular hypertrophy, right ventricular failure, and ascites to weight gain in broiler and roaster chickens. Julian RJ, et al. **Avian Dis** 1987 Jan–Mar;31(1):130–5
The influence of celomic membranes and a tunnel between celomic cavities on cancer metastasis in poultry. Kajigaya H, et al. **Avian Dis** 1987 Jan–Mar;31(1):176–86
Extraneous egg shell calcification as a measure of stress in poultry. Mills AD, et al. **Br Poult Sci** 1987 Mar; 28(1):177–81
A biophysical and histological analysis of factors that lead to aortic rupture in normal and lathyritic turkeys. Terpin T, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):395–400
Effect of thyroidal state on the gastrointestinal transit and emptying of young broilers. Tur JA, et al.
Comp Biochem Physiol [A] 1987;87(3):665–70
Responses to excess dietary magnesium as affected by experimental Eimeria acervulina infection or by dietary ammonium chloride ingestion in the chick. Giraldo CA, et al. **J Nutr** 1987 Jun;117(6):1053–9
Low frequency chronic electrical stimulation of normal and dystrophic chicken muscle. Barnard EA, et al.
J Physiol (Lond) 1986 Jul;376:377–409
Progression of aflatoxicosis in broiler chickens. Huff WE, et al. **Poult Sci** 1986 Oct;65(10):1891–9
Kidney function in domestic fowl with chronic occlusion of the ureter and caudal renal vein. Wideman RF Jr, et al. **Poult Sci** 1986 Nov;65(11):2148–55
Turpentine-induced acute inflammatory response in Gallus gallus: oedema, vascular permeability and effects of non-steroidal anti-inflammatory drugs. Ito NM, et al.
Res Vet Sci 1986 Sep;41(2):231–6
Retarded growth rate and delayed onset of egg production associated with spirochaete infection in pullets. Griffiths IB, et al. **Vet Rec** 1987 Jul 11;121(2):35–7

PREVENTION & CONTROL

Comparative effect of selenium in wheat, barley, fish meal and sodium selenite for prevention of exudative diathesis in chicks. Hassan S. **Acta Vet Scand** 1986;27(4):461–78
Chemoprophylaxis of cryptosporidiosis in chickens, using halofuginone, salinomycin, lasalocid, or monensin. Lindsay DS, et al. **Am J Vet Res** 1987 Mar;48(3):354–5
Studies on Pasteurella multocida of birds. Fourth communication: A new polyvalent oil-adjuvant vaccine. Farid AH, et al. **Arch Exp Veterinarmed** 1987 Mar; 41(2):208–11
Effect of medicated feed on tracheal infection and population of Mycoplasma gallisepticum in chickens. Cummings TS, et al. **Avian Dis** 1986 Jul–Sep;30(3):580–4
Mycoplasma meleagridis of turkeys: probability of eliminating egg-borne infection. Edson RK, et al.
Avian Dis 1987 Apr–Jun;31(2):264–71
Vaccination of day-old broiler chicks against Newcastle disease and infectious bursal disease using commercial live and/or inactivated vaccines. Giambrone JJ, et al.
Avian Dis 1986 Jul–Sep;30(3):557–61
Evaluation of biosecurity in broiler breeders. Gifford DH, et al. **Avian Dis** 1987 Apr–Jun;31(2):339–44
Efficacy in turkeys of spray vaccination with a temperature-sensitive mutant of Bordetella avium (Art Vax). Houghten GE, et al. **Avian Dis** 1987 Apr–Jun; 31(2):309–14
Efficacy of commercial Mycoplasma gallisepticum bacterin (MG-Bac) in preventing air-sac lesions in chickens. Karaca K, et al. **Avian Dis** 1987 Jan–Mar;31(1):202–3
Staphylococcosis of turkeys. 5. Large-scale control programs using bacterial interference. Nicoll TR, et al. **Avian Dis** 1987 Jan–Mar;31(1):85–8
Fowl cholera: influence of Bordetella avium on vaccinal immunity of turkeys to Pasteurella multocida. Rimler RB, et al. **Avian Dis** 1986 Oct–Dec;30(4):838–9
Effects of bursectomy, irradiation, and cyclophosphamide on turkeys vaccinated with CU cholera strain. Schlink GT, et al. **Avian Dis** 1987 Jan–Mar;31(1):13–21
Vaccination of turkey breeder hens and toms for fowl cholera with CU strain. Schlink GT, et al. **Avian Dis** 1987 Jan–Mar; 31(1):29–38
Fowl cholera vaccination of growing turkeys with CU strain via routes other than oral. Schlink GT, et al.
Avian Dis 1987 Jan–Mar;31(1):22–8
Embryo vaccination of specific-pathogen-free chickens with infectious bursal disease virus: tissue distribution of the vaccine virus and protection of hatched chickens against disease. Sharma JM. **Avian Dis** 1986 Oct–Dec;30(4):776–80
Prophylactic efficacy of 3-acetyl-4''-isovaleryl tylosin in a Mycoplasma gallisepticum-induced airsacculitis infection. Skelly BJ, et al. **Avian Dis** 1986 Jul–Sep;30(3):505–9
Effect of maternal antibody on timing of initial vaccination of young white leghorn chickens against infectious bursal disease virus. Solano W, et al. **Avian Dis** 1986 Oct–Dec; 30(4):648–52
Evaluation of allopurinol as a cardioprotectant in ethanol-fed turkey poults. Czarnecki CM, et al.
Comp Biochem Physiol [C] 1987;86(1):67–71
Vaccination as a strategy to reduce the emergence of amantadine- and rimantadine-resistant strains of A/Chick/Pennsylvania/83 (H5N2) influenza virus.
Webster RG, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl B:157–64
Control of a line of E. tenella, partly resistant to monensin, by including toltrazuril discontinuously in the drinking water of chickens. Chapman HD. **J Comp Pathol** 1987 Jan; 97(1):21–7
Influence of dietary vitamin E on nutritional pancreatic atrophy in selenium-deficient chicks. Whitacre ME, et al.
J Nutr 1987 Mar;117(3):460–7
Use of ammonium chloride and sodium bicarbonate in acute heat exposure of broilers. Branton SL, et al. **Poult Sci** 1986 Sep;65(9):1659–63
Precluding coccidiosis with an anti-coprophagia drug. Folz SD, et al. **Vet Parasitol** 1986 Dec;22(3–4):243–7
Live duck virus hepatitis vaccination of maternally immune ducklings. Luff PR, et al. **Vet Rec** 1986 Nov 15; 119(20):502–3
Incidence, characterisation and prophylaxis of nephropathogenic avian infectious bronchitis viruses. Meulemans G, et al. **Vet Rec** 1987 Feb 28;120(9):205–6
Comparative effects of selenium in oats, meat meal, selenomethionine and sodium selenite for prevention of exudative diathesis in chicks. Hassan S.
Zentralbl Veterinarmed [A] 1987 Mar;34(3):204–15
Effect of dietary selenium on the prevention of exudative diathesis in chicks, with special reference to selenium transfer via eggs. Hassan S. **Zentralbl Veterinarmed [A]** 1986 Nov;33(9):689–97
[Dynamics of the incidence of coccidiosis in chickens in relation to the level of anticoccidial care] Chroustová E, et al. **Vet Med (Praha)** 1987 Jan;32(1):35–44 (Eng. Abstr.) **(Cze)**
[Prevention and therapy of coccidiosis in poultry] Rommel M. **Berl Munch Tierarztl Wochenschr** 1987 Aug 1; 100(8):270–2 (58 ref.) (Eng. Abstr.) **(Ger)**

TRANSMISSION

Campylobacter enteritis at a university: transmission from eating chicken and from cats. Deming MS, et al.
Am J Epidemiol 1987 Sep;126(3):526–34
Prevalence of warts on hands of poultry slaughterers, and poultry warts [letter] Guillet G, et al. **Arch Dermatol** 1987 Jun;123(6):718–9
Viral arthritis in fryers related to reovirus infection in breeders. Dhillon AS, et al. **Avian Dis** 1986 Jul–Sep; 30(3):613–6
Public health concerns from human exposure to oncogenic avian herpesviruses. Purchase HG, et al.
J Am Vet Med Assoc 1986 Dec 1;189(11):1430–6 (42 ref.)
Selective shedding and congenital transmission of endogenous avian leukosis viruses. Smith EJ, et al.
J Virol 1986 Dec;60(3):1050–4
Introduction of Salmonellae into a centralized laboratory animal facility by infected day old chicks. Nicklas W.
Lab Anim 1987 Apr;21(2):161–3
The influence of dietary protein and antimicrobial feed additives on salmonella carriage by broiler chickens. Hinton M, et al. **Vet Rec** 1986 Nov 15;119(20):495–500
'Nurmi concept' and possible transmission of campylobacters to poultry. Hudson WR, et al. **Vet Rec** 1987 May 2; 120(18):439
[Potential manifestation of fowl typhoid in chicks fed Salmonella gallinarum-contaminated feed] Giurov B, et al.
Vet Med Nauki 1987;24(5):33–7 (Eng. Abstr.) **(Bul)**
[Virus excretion and changes in virulence of type 1 paramyxovirus of pigeons following passage through chickens] Bijnens B, et al. **Tijdschr Diergeneeskd** 1987 Apr 1;112(7):377–83 (Eng. Abstr.) **(Dut)**
[Parasite-induced risks for cattle, swine and chickens in drinking and other usable water] Bürger HJ. **DTW** 1986 Jul 23;93(7):298–300 (Eng. Abstr.) **(Ger)**
[The epidemiology of Campylobacter jejuni and Campylobacter coli in the fattening chicken] Hoop R, et al. **Schweiz Arch Tierheilkd** 1987 Apr;129(4):193–203 (Eng. Abstr.) **(Ger)**

POULTRY PRODUCTS

see related
EGGS
Nutritive value of poultry by-product meal. 2. Comparisons of methods of determining protein quality. Escalona RR, et al. **Poult Sci** 1986 Dec;65(12):2268–80
Nutritive value of poultry by-product meal. 1. Metabolizable energy values as influenced by method of determination and level of substitution. Pesti GM, et al. **Poult Sci** 1986 Dec;65(12):2258–67
[Occupational allergies in workers handling poultry products] Eglite ME. **Gig Tr Prof Zabol** 1987 Jun;(6):9–12 (Eng. Abstr.) **(Rus)**

POVERTY

Southern Appalachia: analytical models, social services, and native support systems. Keefe SE.
Am J Community Psychol 1986 Oct;14(5):479–98
Section to discuss health care and the poor? [letter]
Am J Dis Child 1987 Feb;141(2):126–7
Poverty and health. Prospective evidence from the Alameda County Study. Haan M, et al. **Am J Epidemiol** 1987 Jun; 125(6):989–98
The planning of pregnancy among low-income women in central Harlem. McCormick MC, et al.
Am J Obstet Gynecol 1987 Jan;156(1):145–9
Survey of injury prevention knowledge among low-income families [news] Baldwin S, et al. **Am J Public Health** 1987 Aug;77(8):1014
Factors associated with low birthweight in an inner-city population: the role of financial problems. Binsacca DB, et al. **Am J Public Health** 1987 Apr;77(4):505–6
Health advocacy for young, low-income, inner-city women. McElmurry BJ, et al. **ANS** 1987 Jul;9(4):62–75
Poverty and teenage pregnancy. Williams S, et al.
Br Med J 1987 Jan 3;294(6563):20–1
Poverty and teenage pregnancy [letter] Blondel B, et al.
Br Med J [Clin Res] 1987 Mar 7;294(6572):645
"Savill's disease": a pauper epidemic in Britain and its implications. Crowther MA. **Bull Hist Med** 1986 Winter; 60(4):544–58
A socially oriented program of restorative care in a ghetto's municipal hospital. Anderson AD. **Bull NY Acad Med** 1987 Jan–Feb;63(1):117–20
Changes in hygienic habits in food preparation: facilities to use water. De la Luz Alvarez M, et al.
Can J Public Health 1987 Jan–Feb;78(1):43–6
Marital disruption and poverty: the role of survey procedures in artificially creating poverty. Burkhauser R, et al.
Demography 1986 Nov;23(4):621–31
"If I don't get simple, I cry"Aponte HJ. **Fam Process** 1986 Dec;25(4):531–48
Immediate and delayed effects of widowhood on poverty: patterns from the 1970s. Zick CD, et al. **Gerontologist** 1986 Dec;26(6):669–75
A look at catastrophic medical expenses and the poor. Berki SE. **Health Aff (Millwood)** 1986 Winter;5(4):138–45
Health care and the poor: psychological implications of restrictive policies. Curbow B. **Health Psychol** 1986; 5(4):375–91
Health care for the indigent: overview of critical issues. Bazzoli GJ. **Health Serv Res** 1986 Aug;21(3):353–93 (86 ref.)
Congress set to tackle spousal impoverishment. Droste T.
Hospitals 1987 Jun 5;61(11):70
Diarrhoeal disease morbidity in children below 5 years in urban slums of Delhi. Bhatnagar S, et al.
Indian J Med Res 1986 Jul;84:53–8
Paralytic poliomyelitis in slums of Bombay. Tidke RW, et al. **Indian J Pediatr** 1986 Jan–Feb;53(1):109–13
Anthropometric profile of infants and children of slum dwellers. Kakrani VA, et al. **Indian J Public Health** 1986 Jul–Sep;30(3):173–7
Mortality patterns in under six children in I.C.D.S. urban slum. Singhal PK, et al. **Indian Pediatr** 1986 Aug; 23(8):617–22
Poor can be healthy [editorial] Pearson RJ.
Int J Epidemiol 1986 Sep;15(3):306–7
Politics, poverty, and nutrition. Cross AT.
J Am Diet Assoc 1987 Aug;87(8):1007–10
Food stamps and the iron status of the U.S. elderly poor. Lopez LM, et al. **J Am Diet Assoc** 1987 May;87(5):598–603
Food stamps and the energy status of the U.S. elderly poor. Lopez LM, et al. **J Am Diet Assoc** 1987 Aug;87(8):1020–4
Role of the environment in the decline of infant mortality: an analysis of the 1911 census of England and Wales. Watterson PA. **J Biosoc Sci** 1986 Oct;18(4):457–70
Ambulatory care and the poor: tracking the impact of changes in federal policy. Calkins DR, et al.
J Gen Intern Med 1986 Mar–Apr;1(2):109–15
Defederalizing Medicaid: fair to the poor, fair to taxpayers? Cromwell J, et al. **J Health Polit Policy Law** 1987 Spring; 12(1):1–34
Gay ghetto. Levine MP. **J Homosex** 1979 Summer; 4(4):363–77
The profit motive in medicine. Brock DW, et al.
J Med Philos 1987 Feb;12(1):1–35
Poverty and human development [letter] Walker AR, et al.
J R Soc Med 1986 Dec;79(12):752
Breast feeding among poor Singaporeans. Counsilman JJ, et

al. **J Trop Pediatr** 1986 Dec;32(6):310–2
Poverty, malnutrition, and world food supplies [editorial] **Lancet** 1987 Aug 29;2(8557):487–8
Prescribing iron to combat deprivation [letter] Jacobs A. **Lancet** 1987 Feb 14;1(8529):388
Post-partum haemorrhage is associated with poor housing, not multiparity, in Botswana [letter] Watson AJ, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1462–3
Risk of exposure to leprosy in hyperendemic slums of Bombay [letter] Ganapati R, et al. **Lepr Rev** 1986 Sep; 57(3):275
Undernutrition in lepromatous leprosy, Part I. Is is associated with poverty or with disease? Rao KN, et al. **Lepr Rev** 1986 Dec;57(4):299–309
Providing health care for low-income children: reconciling child health goals with child health financing realities. Rosenbaum S, et al. **Milbank Q** 1986;64(3):442–78
Health care for the elderly: the road to poverty. Morrissey JM. **NY State J Med** 1986 Dec;86(12):620–1
Pediatrics and poverty. Oberg CN. **Pediatrics** 1987 Apr; 79(4):567–9
Infant death rates among the poor and nonpoor in Kentucky, 1982 to 1983. Spurlock CW, et al. **Pediatrics** 1987 Aug; 80(2):262–9
Ethnic differences in growth and nutritional status: a study of poor schoolchildren in southern New Jersey. Scholl TO, et al. **Public Health Rep** 1987 May–Jun;102(3):278–83
Hunger in the U.S. [letter] **Sci Am** 1987 Jun;256(6):6, 8
A surge in inequality. Thurow LC. **Sci Am** 1987 May; 256(5):30–7
Psychiatric morbidity in three primary medical care clinics in the city of Sao Paulo. Issues on the mental health of the urban poor. Mari JJ. **Soc Psychiatry** 1987;22(3):129–38
There will always be poor people! [editorial] Guerra FA. **Tex Med** 1987 May;83(5):5

POVERTY AREAS see under **POVERTY**

POVIDONE

Contractile behavior of electrically activated mechanochemical polymer actuators. De Rossi DE, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):157–62
Preparation of 99mTc-tin-phosphate polyvinyl pyrollidone stabilized colloid and distribution in bone marrow. Faiz-ur-Rehman, et al. **Int J Rad Appl Instrum [A]** 1986; 37(3):249–55
The comparative investigation of the effect of Esma spreng fine Primojel and Polyplasdone XL on the disintegration time of direct compressed tablets. Sekulović D. **Pharmazie** 1987 Mar;42(3):203
[Clinical evaluation of PVP-iodine as a skin antiseptic in surgery] Jiang ZM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):288–90, 317 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

A randomized study of two schedules of copovithane in patients with advanced colorectal carcinoma. Ajani JA, et al. **Am J Clin Oncol** 1987 Apr;10(2):139–40
[Experience with the use of hemodes and heparin in the complex treatment of psoriasis] Zhukoven' VF, et al. **Voen Med Zh** 1987 Apr;(4):64 **(Rus)**

ANALOGS & DERIVATIVES

A trial of povidone-iodine for prevention of contamination of intravenous cannulae. Jakobsen CJ, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):447–9
Do not put hydrogen peroxide or povidone iodine into wounds! [editorial] Oberg MS, et al. **Am J Dis Child** 1987 Jan;141(1):27–8
Corneal abrasion resulting from a unit dose artificial tear dispenser. Nelson JD. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):333–4
Povidone-iodine lavage treatment of experimentally induced equine infectious arthritis. Bertone AL, et al. **Am J Vet Res** 1987 Apr;48(4):712–5
Examinations of polyvidone-iodine as an irrigation solution for spermatic duct occlusions. Papadopoulos I, et al. **Andrologia** 1986 Nov–Dec;18(6):649–58
A trial of povidone-iodine in the prevention of infection in sutured lacerations. Gravett A, et al. **Ann Emerg Med** 1987 Feb;16(2):167–71
Povidone-iodine in polyethylene oxide hydrogel dressing. Effect on multiplication of Staphylococcus aureus in partial-thickness wounds. Mertz PM, et al. **Arch Dermatol** 1986 Oct;122(10):1133–8
Polymeric inhibitors of platelet aggregation. II. Copolymers of dipyridamole and related drugs with N-vinylpyrrolidone. Bamford CH, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):38–44
Bulk characterization and scanning electron microscopy of hydrogels of P(VA-co-NVP). Miller DR, et al. **Biomaterials** 1986 Sep;7(5):329–39
Combined topical povidone-iodine and systemic antibiotics in postappendicectomy wound sepsis. Lau WY, et al. **Br J Surg** 1986 Dec;73(12):958–60
A study to assess the effects of a new Betadine cream formulation compared to a standard topical treatment regimen for burns. de Kock M, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):69–74
Evaluation of a new antiseptic dressing in minor burns. Wilson GR, et al. **Burns Incl Therm Inj** 1986 Oct; 12(7):518–20
Vaginal preparation with povidone-iodine before abdominal hysterectomy. A comparison with antibiotic prophylaxis. Zakut H, et al. **Clin Exp Obstet Gynecol** 1987;14(1):1–5
Preoperative use of povidone-iodine. A prospective, randomized study. Zdeblick TA, et al. **Clin Orthop** 1986 Dec;(213):211–5
Effect of povidone-iodine on in vitro locomotion of equine neutrophils. Watson ED. **Equine Vet J** 1987 May; 19(3):226–8
Treatment of clue cell-positive discharge with 200 mg povidone-iodine pessaries. A double-blind and placebo-controlled trial. van der Meijden WI, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):299–307
Incidence of urinary tract infections in patients requiring long-term catheterization after abdominoperineal resection for rectal carcinoma: does Betadine in the Foley drainage bag make a difference? Sujka SK, et al. **Eur J Surg Oncol** 1987 Aug;13(4):341–3
Topical application of sugar and povidone-iodine in the management of decubitus ulcers in aged patients. Shimamoto Y, et al. **Hiroshima J Med Sci** 1986 Jun; 35(2):167–9
Comparative efficacy of handwashing agents against cytomegalovirus. Faix RG. **Infect Control** 1987 Apr; 8(4):158–62
Prevention of thrombosis of central venous catheters. Borow M, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct; 27(5):571–4
A case of contact dermatitis due to betamethasone valerate—with a review of Japanese articles. Nakajima H, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):467–70
Cord blood iodothyronine and thyrotropin concentrations in newborns of mothers exposed to povidone iodine in the last trimester. Robuschi G, et al. **J Endocrinol Invest** 1987 Apr;10(2):183–6
Total contact povidone-iodine perfusion cast for the treatment of neuropathic ulcers. Hollander MR, et al. **J Foot Surg** 1986 Nov–Dec;25(6):484–8
The use of povidone iodine in neonatal bowel surgery. Ryan CA, et al. **J Pediatr Surg** 1987 Apr;22(4):317–9
Inactivation of HIV by povidone-iodine [letter] Goldenheim PD. **JAMA** 1987 May 8;257(18):2434
Iodine absorption after topical administration. Dela Cruz F, et al. **West J Med** 1987 Jan;146(1):43–5
[Teratologic studies on a low-molecular polyvinylpyrrolidone-iodine complex in rabbits] Siegemund B, et al. **Arzneimittelforschung** 1987 Mar; 37(3):340–1 (Eng. Abstr.) **(Ger)**
[Therapy of cervix vaginitis: controlled experimentation of a polyvinylpyrrolidone iodine-based product] Bianco V, et al. **Ann Ostet Ginecol Med Perinat** 1986 Jul–Aug; 107(4):227–32 (Eng. Abstr.) **(Ita)**
[Preoperative single-dose cefoxitin combined with wound lavage with polyvinylpyrrolidone iodine in the prevention of post-appendectomy complications] Di Saverio G, et al. **Minerva Chir** 1987 Mar 31;42(6):531–4 (Eng. Abstr.) **(Ita)**
[Complex iodopyrone-based preparations in the prevention and treatment of wound infections] Datsenko BM, et al. **Klin Khir** 1987;(1):35–7 (Eng. Abstr.) **(Rus)**
[Effect of acrylic acid and N-vinylpyrrolidone copolymer on delayed hypersensitivity to Staphylococcus aureus] Zharasov MZh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):66–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Dissolution and bioavailability of phenytoin in phenytoin-polyvinylpyrrolidone-sodium deoxycholate coprecipitate. Yakou S, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3408–14
Square-wave voltammetric determination of acetaldehyde in povidone. Ianniello RM, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):566–8
[Improvement of the dissolution behavior of problem drugs. 11. DTA iomeglamic-PVP 25 copreciptates] Fahr F, et al. **Pharmazie** 1986 Jul;41(7):517 **(Ger)**

IMMUNOLOGY

Suppression of IgG memory responses by T cells activated with the type 2 antigen polyvinylpyrrolidone (PVP). Van Buskirk AM, et al. **Cell Immunol** 1987 Jun;107(1):121–9

METABOLISM

Pharmacokinetics and tissue disposition of the biological response modifier BAY i 7433 (copovithane) in patients with cancer. Rosenblum MG, et al. **Cancer Chemother Pharmacol** 1986;18(3):247–51
Disposition of [14C]povidone after oral administration to the rat. Digenis GA, et al. **Food Chem Toxicol** 1987 Mar; 25(3):241–3

PHARMACODYNAMICS

Radioprotection of sheep erythrocytes by polyvinylpyrrolidone. Eisenberg E, et al. **Int J Rad Appl Instrum [A]** 1987;38(2):147–8
In vitro activation of specific helper and suppressor T cells by the type 2 antigen polyvinylpyrrolidone (PVP). Van Buskirk AM, et al. **J Immunol** 1987 Sep 1;139(5):1400–5
Characterization of helper T cells induced by the type 2 antigen polyvinylpyrrolidone. Van Buskirk AM, et al. **J Immunol** 1987 Feb 15;138(4):1031–7
[Germicidal experiments with aqueous PVP-iodine-containing disinfecting solutions: effect of the content of free iodine on the bactericidal action against Staphylococcus aureus] Gottardi W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):372–80 (Eng. Abstr.) **(Ger)**
[Effect of polyvinylpyrrolidone on microbial cells] Mal'tsev VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr; (4):9–11 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effect of osmolarity of artificial tear drops on relief of dry eye symptoms: BJ6 and beyond. Wright P, et al. **Br J Ophthalmol** 1987 Feb;71(2):161–4
Clinical trial of high doses of Bay I 7433 (Copovithane). Ucci G, et al. **Drugs Exp Clin Res** 1986;12(8):713–5
[Use of andekalin in treating diabetic microangiopathies] Surovikina MS, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):10–4 (Eng. Abstr.) **(Rus)**
[Combined immunomodulating therapy of chronic diseases of the respiratory system] Zemskov AM, et al. **Ter Arkh** 1987;59(3):105–8 **(Rus)**
[Initial results of using the new detoxifying preparation neohemodes in the treatment of viral hepatitis patients] Samotolkin KN, et al. **Tr Inst Pastera** 1985;63:95–100 **(Rus)**
[Treatment of patients with atopic dermatitis using hemodes] Matushevskaia EV. **Vestn Dermatol Venerol** 1987;(3):71–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Complement-induced thrombus formation on the surface of poly(N-vinylpyrrolidone)-grafted polyethylene. Fukumura H, et al. **Biomaterials** 1987 Jan;8(1):74–6

POVIDONE-IODINE see under **POVIDONE**

POWASSAN VIRUS see under **ENCEPHALITIS VIRUSES, TICK-BORNE**

POWDERS

Dissolution of slightly soluble drugs. III. Surface condition of powder particles and their initial dissolution behavior. Kaneniwa N, et al. **Chem Pharm Bull (Tokyo)** 1977 May; 25(5):867–75
The effect of injection of powdered biomaterials on mouse peritoneal cell populations. Pizzoferrato A, et al. **J Biomed Mater Res** 1987 Apr;21(4):419–28
Sterile powder filling—the learning curve. Hofmann KL. **J Parenter Sci Technol** 1986 Sep–Oct;40(5):198–206
A vacuum microbalance technique for studies on the wettability of powders. Buckton G, et al. **J Pharm Pharmacol** 1986 Oct;38(10):713–20
British Pharmaceutical Conference Science Award lecture 1986. Order out of chaos. Staniforth JN. **J Pharm Pharmacol** 1987 May;39(5):329–34 (29 ref.)
[Simple tests for the evaluation of the moist granule. Application to the optimization of the amount of moistening liquid] Salhi A, et al. **Farmaco [Prat]** 1987 Mar; 42(3):59–79 (Eng. Abstr.) **(Fre)**
[Technology of effervescent granules. Physico-chemical study] Joachim J, et al. **J Pharm Belg** 1986 Jul–Aug; 41(4):197–208 (Eng. Abstr.) **(Fre)**
[Technology of effervescents. Physico-chemical study. Application to some active substances] Joachim J, et al. **J Pharm Belg** 1986 Jul–Aug;41(4):209–21 (Eng. Abstr.) **(Fre)**
[Descriptors of the shape of particles applied to the study of pharmaceutical systems] Dubue B, et al. **Pharm Acta Helv** 1987;62(3):81–7 (Eng. Abstr.) **(Fre)**
[Mechanical behavior of powders. Parametric study of the functioning of a mixture-reservoir—validation of conditions in the use of a mixture-reservoir of powders] Jimenez B, et al. **Pharm Acta Helv** 1986;61(10–11):282–91 (Eng. Abstr.) **(Fre)**
[The determination and interpretation of in-vitro dissolution behavior of pharmaceutical substances. 1. Powders, mixtures and granules] Voigt R, et al. **Pharmazie** 1987 Jan; 42(1):22–5 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Granular cell reaction to surgical glove powder. Peters E, et al. **J Oral Pathol** 1986 Sep;15(8):454–8

DIAGNOSTIC USE

Double-contrast examination of the colon with carbon dioxide: the use of effervescent powder. Pochaczevsky R. **AJR** 1987 Sep;149(3):502–4

POWER PLANTS

Evidence for dermal absorption as the major route of body entry during exposure of transformer maintenance and repairmen to PCBs. Lees PS, et al. **Am Ind Hyg Assoc J** 1987 Mar;48(3):257–64
Outbreak of legionnaires' disease from a cooling water system

in a power station. Morton S, et al. **Br J Ind Med** 1986 Sep;43(9):630–5
Metal amounts in the lichen Ramalina duriaei (De Not.) Bagl. transplanted at biomonitoring sites around a new coal–fired power station after 1 year of operation. Garty J. **Environ Res** 1987 Jun;43(1):104–16
Leukaemia in young persons in Scotland: a study of its geographical distribution and relationship to nuclear installations. Heasman MA, et al. **Health Bull (Edinb)** 1987 May;45(3):147–51
Occupational radiation exposures during maintenance activities at nuclear power plants in Japan. Imahori A. **Health Phys** 1987 Mar;52(3):367–70
Use of environmental TLD data at a nuclear power station to estimate detection limits for radiation exposure due to station operation. Lang E, et al. **Health Phys** 1987 Jun; 52(6):775–85
Partitioning of natural radionuclides in the waste streams of coal–fired utilities. Roeck DR, et al. **Health Phys** 1987 Mar; 52(3):311–23
Some approaches to determination of nitrogen oxides released with power–plant emissions into the air. Sokolov SM. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):261–7
Methodological aspects of assessing atmospheric contamination with metal aerosols in the vicinity of thermal power complexes. Sokolov SM. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):249–54
CNS cancers and radiation exposure: a case–control study among workers at two nuclear facilities. Carpenter AV, et al. **J Occup Med** 1987 Jul;29(7):601–4
The safety of nuclear power plants in the United States [letter] Bari RA, et al. **JAMA** 1987 Jan 9;257(2):190–1
Possible radiation injury at Koeberg Nuclear Power Station. Organization of medical care. van Rensburg LC, et al. **S Afr Med J** 1986 Oct 11;70(8):487–9
Additional follow–up of cancer mortality among workers in a thermoelectric power plant [letter] Cammarano G, et al. **Scand J Work Environ Health** 1986 Dec;12(6):631–2
A visit to Chernobyl. Wilson R. **Science** 1987 Jun 26; 236(4809):1636–40
[Radioactive fallout from Chernobyl over Austria. Facts, risks, diagnosis and therapy] Fueger GF. **Acta Med Austriaca** 1986;13(4–5):85 (Ger)
[Chernobyl—practical experiences exemplified by the Salzburg crisis staff] Galvan G. **Acta Med Austriaca** 1986; 13(4–5):103–6 (Eng. Abstr.) (Ger)
[Diagnosis of radionuclide uptake using a whole body counter] Havlik E, et al. **Acta Med Austriaca** 1986; 13(4–5):99–101 (Eng. Abstr.) (Ger)
[Diagnosis of radionuclide uptake using samples and excretion measurements] Hillbrand E, et al. **Acta Med Austriaca** 1986;13(4–5):115–9 (Eng. Abstr.) (Ger)
[Actual measurements following the Chernobyl reactor accident] Irlweck K. **Acta Med Austriaca** 1986; 13(4–5):107–13 (Eng. Abstr.) (Ger)
[Sequelae of the Chernobyl reactor accident in the nutrition of infants] **Monatsschr Kinderheilkd** 1987 Feb;135(2):116–8 (Ger)
[Evaluating the radiation exposure of the population as a sequela of the reactor accident in Chernobyl] Kaul A. **Off Gesundheitswes** 1987 Feb;49(2):71–4 (Eng. Abstr.) (Ger)
[Organ distribution of radioactive cesium in autopsy material following the Chernobyl catastrophe] Bankl H, et al. **Pathologe** 1987 Jul;8(4):251–2 (Ger)
[Panic, need for panic and panic transmission. Sociopsychoanalytic remarks of contemporary disintegration processes based on Chernobyl and AIDS] Buchholz MB, et al. **Psyche (Stuttg)** 1987 Jul;41(7):610–40 (Eng. Abstr.) (Ger)
[Chernobyl or Hiroshima?] Deserno H. **Psyche (Stuttg)** 1987 Jul;41(7):596–603 (Eng. Abstr.) (Ger)
[Pathology and society. On the psychology of producing nuclear energy] Muck M. **Psyche (Stuttg)** 1987 Jul; 41(7):604–9 (Eng. Abstr.) (Ger)
[Preliminary results of studies on the incidence, causes and effects of accidents at work in the Bełchatów Industrial District. II. Indirect causes of accidents at work] Adamczyk Z, et al. **Med Pr** 1986;37(4):271–5 (Eng. Abstr.) (Pol)
[Effect of atmospheric pollution from steel plant emissions and the electric power plant "Stalowa Wola" on the levels of various metals in rain water] Buliński R, et al. **Rocz Panstw Zakl Hig** 1986;37(4):312–9 (Eng. Abstr.) (Pol)
[Histochemical studies of acid phosphatase and ATPase in the lungs of animals after a single exposure to ashes from electric power plants] Królikowska–Prasal I, et al. **Rocz Panstw Zakl Hig** 1986;37(4):320–30 (Eng. Abstr.) (Pol)
[Materials to be used in the hygienic forecast of air pollution during the development of heat energy at the Kansk–Achinsk Fuel and Energy Complex] Gil'denskiol'd RS, et al. **Gig Sanit** 1987 May;(5):9–12 (Eng. Abstr.) (Rus)
[Entry of 14C into the environment with emissions from atomic power plants equipped with VVER–440 reactors] Rublevskii VP, et al. **Gig Sanit** 1986 Sep;(9):90–1 (Rus)
[Individual automated evaluation of the work capacity of operators of large technological facilities based on the use of the computer technology of the enterprises' automatic control system] Karpenko AV, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):5–8 (Eng. Abstr.) (Rus)
[Methodologic problems in the selection of personnel for atomic power plants] Parkhomenko GM, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):7–10 (Eng. Abstr.) (Rus)
[Radiation safety at atomic electric power stations] Grigor'ev IuG. **Radiobiologiia** 1987 Mar–Apr;27(2):147–54 (Eng. Abstr.) (Rus)
[Prevalence of chronic diseases of the ear, nose and throat among the construction workers and operators of the Kansko–Achinsk fuel–energy complex] Khromechek BI, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):65–6 (Eng. Abstr.) (Rus)
[Automatic control and the optimization of the current working capacity of the operators of production process systems] Karpenko AV. **Vrach Delo** 1986 Dec;(12):95–8 (Eng. Abstr.) (Rus)

STANDARDS

[Hygienic basis for using circulation cycle water in the water–level maintenance scheme of the open hot–water supply system of heat and electric power plants] Sukhacheva IF, et al. **Gig Sanit** 1987 Mar;(3):71–2 (Rus)

POWER SOURCES

Battery modifications for Autogenic Systems Inc., equipment. Hoare JW, et al. **Biofeedback Self Regul** 1986 Jun; 11(2):167–9
Ingestion of button batteries [letter] Kennedy RH, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):758
Hypoglycemic coma due to use of an improper battery in a commonly used insulin pump [letter] Berger W, et al. **Diabetes Care** 1982 Nov–Dec;5(6):645
Diagnostic monitoring and drive system management of patients with total artificial heart. Mays JB, et al. **Heart Lung** 1986 Sep;15(5):466–75
Mercury poisoning after disc–battery ingestion. Mant TG, et al. **Hum Toxicol** 1987 Mar;6(2):179–81
Micropower pulse–position modulator for time–shared applications. Lovely DF, et al. **Med Biol Eng Comput** 1986 Sep;24(5):531–5
[New circuit for a controlled electric drive for medical instruments] Azolov VV, et al. **Med Tekh** 1986 Sep–Oct; (5):48–51 (Rus)

ADVERSE EFFECTS

The hazards of 'button–sized' batteries as foreign bodies in the nose and ear. Skinner DW, et al. **J Laryngol Otol** 1986 Nov;100(11):1315–8
Powerline frequency electric and magnetic fields: a pilot study of risk perception. Morgan MG, et al. **Risk Anal** 1985 Jun;5(2):139–49

STANDARDS

The effects of vocational noise exposure on hearing aid battery subjective life. Chesser BJ, et al. **J Aud Res** 1985 Oct;25(4):215–9

POWER SOURCES, BIOELECTRIC see **BIOELECTRIC ENERGY SOURCES**

POXVIRIDAE

GENETICS

Biologic properties and genome structure of the recombinants between ectromelia and rabbitpox viruses. Chernos VI, et al. **Acta Virol (Praha)** 1987 May;31(3):193–202
Characterization and physical mapping of Molluscum contagiosum virus DNA and location of a sequence capable of encoding a conserved domain of epidermal growth factor. Porter CD, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):673–82
Efficient resolution of replicated poxvirus telomeres to native hairpin structures requires two inverted symmetrical copies of a core target DNA sequence. DeLange AM, et al. **J Virol** 1987 Jun;61(6):1957–63
Identification and nucleotide sequence of the thymidine kinase gene of Shope fibroma virus. Upton C, et al. **J Virol** 1986 Dec;60(3):920–7
Genomic characterization of a poxvirus isolated from a child. Rösen A, et al. **Med Microbiol Immunol (Berl)** 1987; 176(4):181–8
The genome of Shope fibroma virus, a tumorigenic poxvirus, contains a growth factor gene with sequence similarity to those encoding epidermal growth factor and transforming growth factor alpha. Chang W, et al. **Mol Cell Biol** 1987 Jan;7(1):535–40
DNA sequence homology between the terminal inverted repeats of Shope fibroma virus and an endogenous cellular plasmid species. Upton C, et al. **Mol Cell Biol** 1986 Jan; 6(1):265–76
Identification by a random sequencing strategy of the fowlpoxvirus DNA polymerase gene, its nucleotide sequence and comparison with other viral DNA polymerases. Binns MM, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6563–73
Fowlpox virus thymidine kinase: nucleotide sequence and relationships to other thymidine kinases. Boyle DB, et al. **Virology** 1987 Feb;156(2):355–65
Similar genetic organization between a region of fowlpox virus DNA and the vaccinia virus HindIII J fragment despite divergent location of the thymidine kinase gene. Drillien R, et al. **Virology** 1987 Sep;160(1):203–9
Tumorigenic poxviruses: transcriptional mapping of the terminal inverted repeats of Shope fibroma virus. Macaulay C, et al. **Virology** 1987 Jun;158(2):381–93
The structure and cloning of orf virus DNA. Mercer AA, et al. **Virology** 1987 Mar;157(1):1–12
Conservation and variation in orf virus genomes. Robinson AJ, et al. **Virology** 1987 Mar;157(1):13–23
Tumorigenic poxviruses: genomic organization and DNA sequence of the telomeric region of the Shope fibroma virus genome. Upton C, et al. **Virology** 1987 Sep;160(1):20–30
Genomic relationship between capripoxviruses. Black DN, et al. **Virus Res** 1986 Aug;5(2–3):277–92

GROWTH & DEVELOPMENT

Isolation, cultivation and haemadsorption of buffalo pox virus on BHK–21 cell line from Dhule epidemic (Western India). Mathew T, et al. **Int J Zoonoses** 1986 Mar;13(1):45–8
Growth of malignant rabbit fibroma virus in lymphoid cells. Strayer DS, et al. **Virology** 1987 May;158(1):147–57

IMMUNOLOGY

Cross–reactivity among cowpox, ectromelia and vaccinia viruses with monoclonal antibodies recognizing distinct antigenic determinants in A–type inclusion bodies. Kitamoto N, et al. **Arch Virol** 1986;91(3–4):357–66
Safety and efficacy of a combined parapox/BVD vaccine. Büttner M. **Dev Biol Stand** 1986;65:221–6
Evolving of live modified sheep pox virus strains: evaluation of immunological responses. Das SK, et al. **Indian J Exp Biol** 1986 Jun;24(6):367–70
Effect of cyclophosphamide on immune response of sheep against attenuated sheep pox virus. Prasad G, et al. **Indian J Exp Biol** 1986 Nov;24(11):692–5
Ecology of orthopoxviruses and use of recombinant vaccinia vaccines. Baxby D, et al. **Lancet** 1986 Oct 11;2(8511):850–1
Passive protection of sheep against capripoxvirus. Kitching RP. **Res Vet Sci** 1986 Sep;41(2):247–50
A single vaccine for the control of capripox infection in sheep and goats. Kitching RP, et al. **Res Vet Sci** 1987 Jan; 42(1):53–60
The response of the supramammary lymph node of the sheep to secondary infection with orf virus. McKeever DJ, et al. **Vet Microbiol** 1987 May;14(1):3–13
Orf vaccine supplies [letter] Fox RA. **Vet Rec** 1987 Jun 27; 120(26):624
[Titration of antibodies against the camel poxvirus by the plaque seroreduction method on IB–RS2 cells] Nguyen–Ba–Vy, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(3):223–8 (Eng. Abstr.) (Fre)
[Potentials of the passive hemagglutination reaction as a method for the rapid detection of orthopoxviruses and their antibodies] Shelukhina EM, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):756–60 (Rus)

ISOLATION & PURIFICATION

Isolation and partial characterization of an orthopoxvirus from a California vole (Microtus californicus). Brief report. Regnery DC. **Arch Virol** 1987;94(1–2):159–62
Monkeypox virus in relation to the ecological features surrounding human settlements in Bumba zone, Zaire. Khodakevich L, et al. **Trop Geogr Med** 1987 Jan; 39(1):56–63
[Isolation of viruses from rodents in Senegal (1983–1985). Description of a new poxvirus] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):323–33 (Eng. Abstr.) (Fre)

PATHOGENICITY

Evolving of live modified sheep pox viral strains: modification of indigenous viral strains. Das SK, et al. **Indian J Exp Biol** 1986 May;24(5):282–6
Characterization of a sheep pox virus attenuated in cell culture. el–Awar F, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):601–8

ULTRASTRUCTURE

Comparison of the external dimensions of capripoxvirus isolates. Kitching RP, et al. **Res Vet Sci** 1986 Nov; 41(3):425–7
[Electron microscopic study of the morphogenesis of goat pox virus] Ding MX, et al. **Wei Sheng Wu Hsueh Pao** 1986 Mar;26(1):25–30 (Eng. Abstr.) (Chi)

POXVIRUS INFECTIONS

ETIOLOGY

Mousepox in inbred mice innately resistant or susceptible to lethal infection with ectromelia virus. II. Pathogenesis. Jacoby RO, et al. **Lab Anim Sci** 1987 Feb;37(1):16–22

IMMUNOLOGY

Immune response in buffalo calves experimentally infected with buffalo–pox virus. Rana UV, et al. **J Commun Dis**

1986 Sep;18(3):193–7
Abrogation of resistance to severe mousepox in C57BL/6 mice infected with LP–BM5 murine leukemia viruses. Buller RM, et al. **J Virol** 1987 Feb;61(2):383–7

MORTALITY

Mousepox in inbred mice innately resistant or susceptible to lethal infection with ectromelia virus. I. Clinical responses. Bhatt PN, et al. **Lab Anim Sci** 1987 Feb;37(1):11–5

OCCURRENCE

Clustered cases of paravaccinia in milkers. Shelukhina EM, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(4):411–7
Serological survey for human monkeypox infections in a selected population in Zaire. Jezek Z, et al. **J Trop Med Hyg** 1987 Feb;90(1):31–8
Observations on the replication of ectromelia virus in mouse-derived cell lines: implications for epidemiology of mousepox. Buller RM, et al. **Lab Anim Sci** 1987 Feb; 37(1):28–32
Monkeypox in Africa: future health hazard or public health nuisance? [editorial] **Lancet** 1987 Feb 14;1(8529):369

PATHOLOGY

Human monkeypox: clinical features of 282 patients. Ježek Z, et al. **J Infect Dis** 1987 Aug;156(2):293–8

PREVENTION & CONTROL

Ecology of orthopoxviruses and use of recombinant vaccinia vaccines. Baxby D, et al. **Lancet** 1986 Oct 11;2(8511):850–1
Orthopoxvirus infections. **MMWR** 1986 Oct 24;35(42):667

TRANSMISSION

'Milker's nodule' contracted from pox in water buffaloes. Mitra K, et al. **Int J Zoonoses** 1986 Jun;13(2):141–2
Mousepox in inbred mice innately resistant or susceptible to lethal infection with ectromelia virus. III. Experimental transmission of infection and derivation of virus-free progeny from previously infected dams. Bhatt PN, et al. **Lab Anim Sci** 1987 Feb;37(1):23–7
The role of squirrels in sustaining monkeypox virus transmission. Khodakevich L, et al. **Trop Geogr Med** 1987 Apr;39(2):115–22

VETERINARY

Experimental pathogenesis of buffalo pox virus in rabbits: clinico-pathological studies. Chandra R, et al. **Acta Virol (Praha)** 1986 Sep;30(5):390–6
Evolving of live modified sheep pox viral strains: modification of indigenous viral strains. Das SK, et al. **Indian J Exp Biol** 1986 May;24(5):282–6
Evolving of live modified sheep pox virus strains: evaluation of immunological responses. Das SK, et al. **Indian J Exp Biol** 1986 Jun;24(6):367–70
'Milker's nodule' contracted from pox in water buffaloes. Mitra K, et al. **Int J Zoonoses** 1986 Jun;13(2):141–2
Canary pox causing high mortality in an aviary. Johnson BJ, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1345–7
Sealpox in captive grey seals (Halichoerus grypus) and their handlers. Hicks BD, et al. **J Wildl Dis** 1987 Jan;23(1):1–6
An ultrastructural observation of esophageal lesion in bovine papular stomatitis. Okada HM, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):729–31
Widespread of parapox infection in wild Japanese serows, Capricornis crispus. Suzuki Y, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1279–82
Passive protection of sheep against capripoxvirus. Kitching RP. **Res Vet Sci** 1986 Sep;41(2):247–50
A single vaccine for the control of capripox infection in sheep and goats. Kitching RP, et al. **Res Vet Sci** 1987 Jan; 42(1):53–60
Mechanical transmission of capripox virus and African swine fever virus by Stomoxys calcitrans. Mellor PS, et al. **Res Vet Sci** 1987 Jul;43(1):109–12
Epidemic of goat dermatitis in India. Patnaik RK. **Trop Anim Health Prod** 1986 Aug;18(3):137–8
Poxvirus infection in a donkey. Jayo MJ, et al. **Vet Pathol** 1986 Sep;23(5):635–7
A biotin–avidin amplified enzyme immunoassay for detection and quantitation of orthopox virus camel antibodies in dromedaries. Pfahler WH, et al. **Zentralbl Veterinarmed [B]** 1986 Sep;33(7):477–84
Characterization of a cell culture adapted goat pox virus. Talhouk R, et al. **Zentralbl Veterinarmed [B]** 1986 Sep; 33(7):543–51
[Poxvirus infections in Mauritanian sheep. Atypical sheep pox or lumpy skin disease?] Chamoiseau G. **Rev Elev Med Vet Pays Trop** 1985;38(2):119–21 (Eng. Abstr.) **(Fre)**

POXVIRUS MURIS see **ECTROMELIA VIRUS**

POXVIRUS MYXOMATIS see **MYXOMA VIRUS**

POXVIRUS OFFICINALE see **VACCINIA VIRUS**

POXVIRUS VARIOLAE see **SMALLPOX VIRUS**

PPLO see **MYCOPLASMA**

PRACTICE (PSYCHOLOGY)

Preoperative and intraoperative rehearsal in hypnoanesthesia for major surgery. Nathan RG, et al. **Am J Clin Hypn** 1987 Apr;29(4):238–41
Down syndrome and extended practice of a complex motor task. Kerr R, et al. **Am J Ment Defic** 1987 May;91(6):591–7
Hypermnesia occurs in recall but not in recognition. Payne DG, et al. **Am J Psychol** 1987 Summer;100(2):145–65
Previous experience disrupts atropine-induced stereotyped "trapping" in ratsDeVietti TL, et al. **Behav Neurosci** 1985 Dec;99(6):1128–41
Human express saccades: effects of randomization and daily practice. Fischer B, et al. **Exp Brain Res** 1986;64(3):569–78
Auditory versus visual practice effects in the intelligibility of words in everyday sentences. Squires SC, et al. **J Aud Res** 1986 Jan;26(1):5–10
The impact of extended practice on rate of mental rotation. Kail R. **J Exp Child Psychol** 1986 Dec;42(3):378–91
Age and practice effects in continuous recognition memory. Le Breck DB, et al. **J Gerontol** 1987 Jan;42(1):89–91
Hyperactivity ratings: statistical regression provides an insufficient explanation of practice effects. Zentall SS, et al. **J Pediatr Psychol** 1986 Sep;11(3):393–6
[Training-induced changes in performance self concept and cognitive abilities in the aged] Dittmann-Kohli F. **Z Gerontol** 1986 Sep–Oct;19(5):309–22 (Eng. Abstr.) **(Ger)**

PRACTICE MANAGEMENT, DENTAL

Business principles in an orthodontic practice. Part II. Shia GJ. **Am J Orthod Dentofacial Orthop** 1986 Dec;90(6):513–8
Looking inside your office micro-computer. Kogon DM. **Can Dent Assoc J** 1987 Jan;53(1):20–2
Staff management. The point of view of a practitioner. Lemay M. **Can Dent Assoc J** 1987 Mar;53(3):190–3
Computer applications in large group practices. Casanova WA, et al. **Dent Clin North Am** 1986 Oct;30(4):673–80
Strategy for large-scale dental automation. Diehl M. **Dent Clin North Am** 1986 Oct;30(4):745–53
Management of dental insurance in the dental office. Mashioff LS. **Dent Clin North Am** 1987 Apr;31(2):179–92
Dental computing applications. Neiburger EJ. **Dent Clin North Am** 1986 Oct;30(4):625–42
Time management practices for the dentist. Strawn CE. **Dent Clin North Am** 1986 Oct;30(4 Suppl):S107–16
Study of computer applications in dental practice. Zimmerman JL, et al. **Dent Clin North Am** 1986 Oct; 30(4):731–8
Personnel management: keeping the dental team together. **J Am Dent Assoc** 1987 Jun;114(6):772–9
Dentists who practice with spouses or relatives: a pilot study of practitioners in Iowa. Simpson RB, et al. **J Am Dent Assoc** 1986 Nov;113(5):776–9
A computer for every dental office: an update. Gerber IA. **NY J Dent** 1987 Mar;57(2):66–7
Caveat emptor. Maitland R. **NY J Dent** 1987 Feb;57(1):19
Your secret employee. Hamburg HL. **NY State Dent J** 1987 Mar;53(3):32–3
The essence of communication .... put it in writing! Loveland LW. **NY State Dent J** 1987 Jun–Jul;53(6):30–3
Guidelines for an in-office aid group. Murray DJ. **NY State Dent J** 1987 Apr;53(4):27–8
Why computerize your office? Turner RS. **NY State Dent J** 1986 Oct;52(8):33–4

ECONOMICS

An alternate practice sale/retirement arrangement. A way out. Parker WS. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):438–41
Tax considerations at the time of buying/selling a dental practice. MacKenzie RM. **Can Dent Assoc J** 1986 Nov; 32(11):931–3
Financial planning and computer modeling in dental practice. Feldman CA. **Dent Clin North Am** 1986 Oct;30(4):657–72
Are larger dental practices more efficient? An analysis of dental services production. Lipscomb J, et al. **Health Serv Res** 1986 Dec;21(5):635–61
Winning under the tax reform act of 1986. Ryan MP. **Int J Orthod** 1987 Spring;25(1–2):17–9
Tax planning—fact and fantasy. Ryan MP. **Int J Orthod** 1986 Fall;24(3–4):16
A dental practice: selling/buying a valuable asset. Winter L. **NY State Dent J** 1987 Apr;53(4):30–2

PRACTICE MANAGEMENT, MEDICAL

Appointment systems: feasibility study of a new approach. Harrison AT. **Br Med J [Clin Res]** 1987 Jun 6; 294(6585):1465–6
Collecting the delinquent account [letter] Stenklyft TA. **Ear Nose Throat J** 1987 Feb;66(2):75
Obstetrical issues in family practice [letter] Crump HJ, et al. **Fam Med** 1987 Mar–Apr;19(2):101–2
Buying MD practices: the trend continues. Nelson S. **Hospitals** 1987 Jul 20;61(4):63
Four key elements in personnel management. Rankin DE. **Iowa Med** 1987 Feb;77(2):58–60
Research uses of computer-stored practice records in general medicine. McDonald CJ, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S19–24
Physicians' decisions to limit Medicaid participation: determinants and policy implications. Perloff JD, et al. **J Health Polit Policy Law** 1987 Summer;12(2):221–35
Marketing assumes greater importance in medical practices [letter] Grossman RJ. **J Natl Med Assoc** 1986 Oct; 78(10):920
Software review: Medical Manager, an office management system. Cushing M Jr. **MD Comput** 1984;1(1):31–5
Choosing office practice systems for billing, accounting, and medical record functions. Felts WR. **MD Comput** 1984; 1(3):10–7
Judging office practice systems. II: Factors that effect system performance. McDonald CJ. **MD Comput** 1984;1(1):12–7
A primer on word processors—with three examples. McDonald CJ. **MD Comput** 1984;1(2):26–35
Judging office practice systems. III: Reports and retrievals. McDonald CJ. **MD Comput** 1984;1(2):14–9
Writing practice systems without programming. Quigley EJ. **MD Comput** 1984;1(3):18–23
Using a spreadsheet program to increase your income. Roberts SD. **MD Comput** 1984;1(1):18–25
How to automate your billing system. Santos AL. **MD Comput** 1984;1(1):27–30
Management is the name of the game. Samuel O. **Med Teach** 1986;8(2):159–64
Steps to terminating an employee: how can there be a graceful exit? **Mich Med** 1987 May;86(5):305
How to handle disposition of a medical practice. Shea-Atallah R. **Mich Med** 1987 Apr;86(4):236–8, 248
How your practice can cope with change. Beck LC, et al. **Nebr Med J** 1986 Nov;71(11):399–403
Computerization of the medical office. Hirsch PJ, et al. **NJ Med** 1987 Feb;84(2):101–3
Conversion to computer for an orthopedic practice. Hillmann J. **Orthop Clin North Am** 1986 Oct;17(4):567–72
Office automation for the orthopedic surgeon. Kuslich SD, et al. **Orthop Clin North Am** 1986 Oct;17(4):591–8
Welcome: the Internal Revenue Code of 1986. The Health Care Group. **Pa Med** 1986 Nov;89(11):32, 34, 39–40
Accounting software helpful in medical practice. Reinke TW. **Pa Med** 1987 Mar;90(3):56–8
Personnel concerns in the medical office. Sweeney DR, et al. **Pa Med** 1987 Feb;90(2):50–3
Phone can be servant or tyrant—you decide. Conomikes GS. **Tex Med** 1986 Nov;82(11):71
[Various applications of personal computers in the daily practice of the ophthalmologist] Budo CJ. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:35–7 **(Fre)**
[Possibilities of computers in general practice] Ellermann AH, et al. **Fortschr Med** 1987 Aug 10;105(23):448–50 (Eng. Abstr.) **(Ger)**
[Problems with electronic data processing in the practice of an established otorhinolaryngologist] Thoma J. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):221–3 (Eng. Abstr.) **(Ger)**

ECONOMICS

The business transfer tax: it could affect your practice. Tsitanidis J. **Can Med Assoc J** 1987 Jul 1;137(1):56–8
Marketing physician practices: developing an action plan for success. Steiner B, et al. **Henry Ford Hosp Med J** 1986; 34(4):257–62
Changing economics in medical practice. Goodman MR. **Indiana Med** 1987 Apr;80(4):370–2
Strategies to take the sting out of tax reform. Freeman TI. **Minn Med** 1987 May;70(5):272–6
A new approach to medical office billing. Samson RL. **Orthop Clin North Am** 1986 Oct;17(4):573–9
Welcome: The Internal Revenue Code of 1986. Part II: Effects on corporations and other businesses. The Health Care Group. **Pa Med** 1986 Dec;89(12):40–3, 46–8
Tax reform and 'the big picture' for physicians. The Health Care Group. **Pa Med** 1987 Jan;90(1):48–51
Billing procedures for the medical office. Sweeney DR, et al. **Pa Med** 1987 Apr;90(4):26–8

LEGISLATION & JURISPRUDENCE

The corporate practice of medicine, revisited. Wilcox DP. **Tex Med** 1986 Dec;82(12):71–2

STANDARDS

How can good general practitioner care be achieved? Morrell DC, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):161–2
Assessment: precursor to practice management improvement. Perkins AH. **Iowa Med** 1987 Feb;77(2):61–4
"...Relating to the practice of medicine and the persons engaged in such practice..." Meenan PN. **Ir Med J** 1987 Apr;80(4):108–12
Patients' difficulties in obtaining appointments—a general practice audit. Fishbacher CM, et al. **J R Coll Gen Pract** 1986 Jun;36(287):282–4
Assessing an office chemistry instrument. Baer DM, et al. **Primary Care** 1986 Dec;13(4):699–711
Performance audit in the selection and management of personnel in the physician's office laboratory. Crowley JR, et al. **Primary Care** 1986 Dec;13(4):617–31

TRENDS

How your practice can cope with change. Beck LC, et al. **J Tenn Med Assoc** 1986 Sep;79(9):550–4

Practicing the business of medicine. Yawn B. **Minn Med** 1987 Jan;70(1):11–3
Practicing medicine in the new business climate [editorial] Relman AS. **N Engl J Med** 1987 Apr 30;316(18):1150–1
A computer in the office: yesterday, today and tomorrow. Decker DA Jr. **Nebr Med J** 1987 Feb;72(2):25–7
How your practice can cope with change. Beck LC, et al. **Tex Med** 1987 Apr;83(4):41–4

PRACTOLOL

ANALOGS & DERIVATIVES

In vitro pharmacologic activity of congener derivatives and model conjugates of propranolol and practolol. Khan MM, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2175–82
Synthesis and biodistribution of 125I labeled bivalent analogs of practolol as potential myocardial imaging agents. Kizuka H, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):551–5
Beta-adrenoceptor antagonist activity of bivalent ligands. 1. Diamide analogues of practolol. Kizuka H, et al. **J Med Chem** 1987 Apr;30(4):722–6

DIAGNOSTIC USE

Synthesis and biodistribution of 125I labeled bivalent analogs of practolol as potential myocardial imaging agents. Kizuka H, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):551–5

PRADER-WILLI SYNDROME

Prader-Willi syndrome. Characteristics, management, and etiology. Cassidy SB. **Ala J Med Sci** 1987 Apr;24(2):169–75

BLOOD

Serum insulin-releasing activity and the Prader-Willi syndrome. Lautala P, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:416–21
Circadian fluctuation of plasma melatonin in Prader-Willi syndrome and obesity. Willig RP, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:411–5

COMPLICATIONS

Hypogonadism in Prader-Willi syndrome. Jaskulsky SR, et al. **Urology** 1987 Feb;29(2):207–8

DIAGNOSIS

Adults with Prader-Willi syndrome: a survey of 232 cases. Greenswag LR. **Dev Med Child Neurol** 1987 Apr; 29(2):145–52
Approaches to the prenatal diagnosis of the Prader-Willi syndrome [letter] Schinzel A. **Hum Genet** 1986 Nov; 74(3):327

FAMILIAL & GENETIC

A blind prometaphase study of Prader-Willi syndrome: frequency and consistency in interpretation of del 15q. Labidi F, et al. **Am J Hum Genet** 1986 Oct;39(4):452–60
Hypopigmentation in the Prader-Willi syndrome. Wiesner GL, et al. **Am J Hum Genet** 1987 May;40(5):431–42
Precocious puberty in the male offspring of a mother and daughter with the Prader-Willi syndrome [letter] Hockey A, et al. **Am J Med Genet** 1987 Mar;26(3):749
Non-reciprocal translocation (5;15), isodicentric (15) and Prader-Willi syndrome. Murdock RL, et al. **Am J Med Genet** 1986 Sep;25(1):61–9
Familial Prader-Willi syndrome. Burke CM, et al. **Arch Intern Med** 1987 Apr;147(4):673–5
High-resolution cytogenetic studies in patients with Prader-Willi syndrome. Takano T, et al. **Clin Genet** 1986 Oct;30(4):241–8
[Cytogenetic and clinical aspects of Prader-Willi syndrome] Garau A, et al. **Pediatr Med Chir** 1986 Nov-Dec; 8(6):847–52 (Eng. Abstr.) **(Ita)**
[Prader-Willi syndrome--obesity with a genetic background] Ritzén M. **Lakartidningen** 1987 Apr 8;84(15):1271–3 **(Swe)**

PATHOLOGY

An anthropometric study of 38 individuals with Prader-Labhart-Willi syndrome. Butler MG, et al. **Am J Med Genet** 1987 Feb;26(2):445–55

PHYSIOPATHOLOGY

Characteristics of abnormal food-intake patterns in children with Prader-Willi syndrome and study of effects of naloxone. Zipf WB, et al. **Am J Clin Nutr** 1987 Aug; 46(2):277–81
The effects of naltrexone, an oral beta-endorphin antagonist, in children with the Prader-Willi syndrome. Zlotkin SH, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1229–32
Suprachiasmatic nucleus in aging, Alzheimer's disease, transsexuality and Prader-Willi syndrome. Swaab DF, et al. **Prog Brain Res** 1987;72:301–10

PSYCHOLOGY

Neuropsychological capacity of Prader-Willi children: general and specific aspects of impairment. Gabel S, et al. **Appl Res Ment Retard** 1986;7(4):459–66

THERAPY

An investigation of the use of high- and low-preference food as a reinforcer for increased activity of individuals with Prader-Willi syndrome. Caldwell ML, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):347–54

PRAJMALINE see under **AJMALINE**

PRALIDOXIME COMPOUNDS

ADMINISTRATION & DOSAGE

Pralidoxime chloride continuous infusions [letter] Thompson DF. **Ann Emerg Med** 1987 Jul;16(7):831–2
Therapeutic dosing of pralidoxime chloride. Thompson DF, et al. **Drug Intell Clin Pharm** 1987 Jul-Aug;21(7–8):590–3 (29 ref.)

ADVERSE EFFECTS

Repeated asystole following PAM in organophosphate self-poisoning. Scott RJ. **Anaesth Intensive Care** 1986 Nov; 14(4):458–60

ANALYSIS

Analysis of formulations containing pralidoxime mesylate by liquid chromatography. Utley D. **J Chromatogr** 1987 Jun 19;396:237–50
Stability studies of bis(pyridiniumaldoxime) reactivators of organophosphate-inhibited acetylcholinesterase. Lin AJ, et al. **J Pharm Sci** 1986 Aug;75(8):797–9

BLOOD

Pharmacokinetics of pralidoxime chloride in the rat. Green MD, et al. **Life Sci** 1986 Dec 8;39(23):2263–9
Comparison of serum concentrations of the acetylcholinesterase oxime reactivators HI-6, obidoxime, and PAM to efficacy against sarin (isopropyl methylphosphonofluoridate) poisoning in rats. Shiloff JD, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):278–80

CHEMICAL SYNTHESIS

Sugar conjugates of pyridinium aldoximes as antidotes against organophosphate poisoning. Heldman E, et al. **Carbohydr Res** 1986 Aug 15;151:337–47

PHARMACODYNAMICS

Effects of atropine and 2-PAM chloride on vision and performance in humans. Haegerstrom-Portnoy G, et al. **Aviat Space Environ Med** 1987 Jan;58(1):47–53
Human thermoregulation after atropine and/or pralidoxime administration. Kolka MA, et al. **Aviat Space Environ Med** 1987 Jun;58(6):545–9
Potential acetylcholinesterase reactivators: pyridine and alpha-oxooxime derivatives. Daroszewski J, et al. **Pharmazie** 1986 Oct;41(10):699–702
Serum pseudocholinesterase estimation in the management of organophosphate poisoning cases and the effect of PAM on regenerating it. Saravanapavananthan T. **Singapore Med J** 1987 Apr;28(2):166–71
Effects of cholinesterase reactivators and atropine on fenitrothion-induced hypothermia in Bubalus bubalis. Malik JK, et al. **Toxicol Lett** 1987 May;36(3):289–95

THERAPEUTIC USE

Carbamate poisoning: the 'other' insecticide [published erratum appears in Pediatrics 1987 Jul;80(1):52] Garber M. **Pediatrics** 1987 May;79(5):734–8

TOXICITY

Adverse behavioral effects of the anticholinesterase poisoning protector pralidoxime methanesulfonate. Liu WF, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Oct;8(4):341–6

PRAOMYS see **MURIDAE**

PRASEODYMIUM

Pr3+ transport across phosphatidylcholine vesicles mediated by open crown synthetic ionophores. Grandjean J. **Chem Phys Lipids** 1986 Oct-Nov;41(3–4):309–14

PRASTERON see **DEHYDROEPIANDROSTERONE**

PRAYING MANTIS see **ORTHOPTERA**

PRAZEPAM

[The habit-forming effect of prazepam] Hakuba A, et al. **Psychiatr Pol** 1986 May-Jun;20(3):232–4 **(Pol)**

BLOOD

[Therapeutic drug monitoring (TDM) of benzodiazepines] Fujinami S, et al. **Seishin Shinkeigaku Zasshi** 1986; 88(11):920–35 **(Jpn)**

PRAZIQUANTEL

ADMINISTRATION & DOSAGE

Dosage trial of a combination of oxamniquine and praziquantel in the treatment of schistosomiasis in Zimbabwean schoolchildren. Creasey AM, et al. **Cent Afr J Med** 1986 Jul;32(7):165–7
Efficacy of single oral doses of praziquantel in treatment of schistosoma japonicum infection. Liu YH, et al. **Chin Med J [Engl]** 1986 Jun;99(6):470–2
Comparative trials of regimes for the treatment of urinary schistosomiasis in The Gambia. Wilkins HA, et al. **J Trop Med Hyg** 1987 Apr;90(2):83–92

ADVERSE EFFECTS

Bloody diarrhoea after praziquantel therapy [letter] Watt G, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):345–6

ANALOGS & DERIVATIVES

[Synthesis of praziquantel analogues] Jin LR, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):170–6 (Eng. Abstr.) **(Chi)**

ANALYSIS

Extraction of praziquantel from fish tissue and its determination by high-performance liquid chromatography. Rogstad A, et al. **J Chromatogr** 1987 Mar 27;391(1):328–33

BLOOD

Plasma levels of praziquantel decrease when dexamethasone is given simultaneously. Vazquez ML, et al. **Neurology** 1987 Sep;37(9):1561–2

METABOLISM

Absorption, distribution and excretion of the anthelmintic praziquantel (Droncit) in rainbow trout (Salmo gairdneri R.). Björklund H, et al. **Parasitol Res** 1987;73(3):240–4
[Distribution of [3H] praziquantel in tissues of Schistosoma japonicum at different developmental stages] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):377–81 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Praziquantel for the treatment of helminthic infections. Mahmoud AA. **Adv Intern Med** 1987;32:193–206 (30 ref.)
Effect of praziquantel on the cardiotonic action of cardiac glycosides. Khayyal MT, et al. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):85–96
Effects of praziquantel on the motility of Cysticercus pisiformis. A comparative study with anthelmintic compounds. Martínez-Zedillo G, et al. **Arch Invest Med (Mex)** 1985 Oct-Dec;16(4):411–21 **(Eng, Spa)**
Praziquantel: mode of action. Harder A, et al. **Biochem Soc Trans** 1987 Feb;15(1):68–70
Protoscolicidal effect of praziquantel--in-vitro and electron microscopical studies on Echinococcus granulosus. Morris DL, et al. **J Antimicrob Chemother** 1986 Dec;18(6):687–91
Praziquantel adversely affects protoscoleces of Echinococcus granulosus in vitro. Thompson RC, et al. **J Helminthol** 1986 Dec;60(4):279–86
Chlorpromazine, other amphiphilic cationic drugs and praziquantel: effects on carbohydrate metabolism of Schistosoma mansoni. Harder A, et al. **Parasitol Res** 1987; 73(3):245–9
Increased exposure of parasite antigens at the surface of adult male Schistosoma mansoni exposed to praziquantel in vitro. Harnett W, et al. **Parasitology** 1986 Oct;93 (Pt 2):401–5
Schistosoma mansoni: structural damage and tegumental repair after in vivo treatment with praziquantel. Shaw MK, et al. **Parasitology** 1987 Apr;94 (Pt 2):243–54
Loss of resistance to reinfection with Schistosoma japonicum in mice after treatment with praziquantel. Moloney NA, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):247–54
Effects of praziquantel on human intestinal flukes (Fasciolopsis buski and Heterophyes heterophyes). Taraschewski H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov; 262(4):542–50
[Effects of praziquantel and artemether on tegumental surface antigens of different developmental stages of Schistosoma japonicum] Yue WJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):284–7 (Eng. Abstr.) **(Chi)**
[Electron microscopic observation on Cysticercus cellulosae treated with pyquiton in vitro] Zhao SL, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):118–9 (Eng. Abstr.) **(Chi)**
[Inhibition of tegumental gamma-glutamyltranspeptidase of Schistosoma japonicum by praziquantel] Wang GF, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):32–4 (Eng. Abstr.) **(Chi)**
[Effect of praziquantel on ultrastructures of gut epithelia of Clonorchis sinensis] Li BZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):283–4 (Eng. Abstr.) **(Chi)**
[Morphological alterations of schistosomulae invading the

skin of mice treated orally with praziquantel before infection and cellular reaction of the skin] Xiao SH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):358–60 (Eng. Abstr.) **(Chi)**

[Effect of praziquantel on mice immunity in the early stage after infection with Schistosoma japonicum cercariae] Xiao SH, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):60–3 (Eng. Abstr.) **(Chi)**

[Attachment of mouse neutrophils in vitro on the praziquantel-damaged surface of adult Schistosoma japonicum in the presence of immune sera] Xiao SH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):165–70 (Eng. Abstr.) **(Chi)**

[Histological observations on schistosomula of Schistosoma japonicum in mouse lung and liver after treatment with praziquantel] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):285–7 (Eng. Abstr.) **(Chi)**

[Effect of praziquantel in vitro on different developmental stages of Schistosoma japonicum] You JQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):82–4 (Eng. Abstr.) **(Chi)**

[Relationship between the efficacy of praziquantel on rabbits infected with Schistosoma japonicum and the immune level of the host] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):725–30 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Anthelmintic efficacy of febantel combined with praziquantel against Ancylostoma tubaeforme, Toxocara cati, and Taenia taeniaeformis in cats. Arther RG, et al. **Am J Vet Res** 1986 Sep;47(9):2041–2

Praziquantel and clonorchiasis [letter] Lin AC, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1291

Clinical study evaluating efficacy of praziquantel in clonorchiasis. Yangco BG, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):135–8

Treatment with praziquantel the Taenia saginata infection in men. Zwierz C, et al. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):77–80

Comparative efficacy of praziquantel and its optic isomers in experimental therapy of schistosomiasis japonica in rabbits. Liu YH, et al. **Chin Med J [Engl]** 1986 Dec; 99(12):935–40

Treatment of schistosomiasis. Webbe G. **Eur J Clin Pharmacol** 1987;32(5):433–6

Neurocysticercosis: clinical and therapeutic considerations. Review of Italian literature. Bussone G, et al. **Ital J Neurol Sci** 1986 Oct;7(5):525–9

Use of praziquantel for treatment of Diphyllobothrium sp infection in a dog. Kirkpatrick CE, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):557–8

Evaluation of praziquantel efficiency in the treatment of schistosomiasis. Khalil HM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):403–12

Effect of oxamniquine and praziquantel on intrasplenic pressure and portal vein diameter in hepatosplenic schistosomiasis. Massoud AM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):427–37

The chemotherapeutic effect of praziquantel against Schistosoma mansoni is dependent on host antibody response. Brindley PJ, et al. **J Immunol** 1987 Jul 1; 139(1):215–20

Acute schistosomiasis (Katayama fever): clinical deterioration after chemotherapy. Harries AD, et al. **J Infect** 1987 Mar;14(2):159–61

Unsuccessful use of praziquantel to treat acute fascioliasis in children [letter] Farid Z, et al. **J Infect Dis** 1986 Nov; 154(5):920–1

Selective indications for the use of praziquantel in the treatment of brain cysticercosis. Vasconcelos D, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):383–8

Long-term results of praziquantel therapy in neurocysticercosis. Robles C, et al. **J Neurosurg** 1987 Mar; 66(3):359–63

Schistosomiasis control in the southern province of Saudi Arabia. Sinha NP, et al. **J R Soc Health** 1987 Jun;107(3):79, 83

Chemotherapy in the control of urinary schistosomiasis in Nigeria. Chuks Ejezie G, et al. **J Trop Med Hyg** 1987 Jun; 90(3):149–51

A short note on praziquantel in human fascioliasis. Farag HF, et al. **J Trop Med Hyg** 1986 Apr;89(2):79–80

Cerebral cysticercosis in a European patient: problems of disease activity and therapeutic implications. Thie A, et al. **Klin Wochenschr** 1987 May 15;65(10):475–9

Tupaiataenia quentini (Schmidt & File, 1977) in Tupaia belangeri (Wagner, 1841): transmission experiments and Praziquantel treatment. Brack M, et al. **Lab Anim** 1987 Jan; 21(1):18–9

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. II. Cell-mediated lymphoproliferative response. el-Bassiouny AE, et al. **Parasitol Res** 1987;73(4):334–40

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. I. Changes of specific immunoglobulins. Shaker ZA, et al. **Parasitol Res** 1987; 73(4):328–33

Double-blind therapeutical evaluation based on the quantitative oogram technique, comparing praziquantel and oxamniquine in human schistosomiasis mansoni. da Cunha AS, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct; 28(5):337–51

Treatment of patients with schistosomiasis mansoni: a double blind clinical trial comparing praziquantel with oxamniquine. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 1986 May–Jun;28(3):174–80

Immune responses and immunoregulation in relation to human schistosomiasis in Egypt. III. Immunity and longitudinal studies of in vitro responsiveness after treatment. Colley DG, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):952–7

Immunity after treatment of human schistosomiasis mansoni. III. Long-term effects of treatment and retreatment. Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):303–14

Haematuria and proteinuria in urinary schistosomiasis: response to therapy with praziquantel in Tanzanian children. Sarda RK, et al. **Trop Med Parasitol** 1987 Mar; 38(1):31–3

Cost of combating hydatidosis [letter] O'Sullivan E. **Vet Rec** 1987 Feb 14;120(7):168

[Effect of pyquiton on some histochemical activities of schistosomules of Schistosoma japonicum in mice] Yang YQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):21–3 (Eng. Abstr.) **(Chi)**

[Kinetics of the IHA antibody response before and after pyquiton treatment in rats infected with Paragonimus westermani] Zhang ZH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):189–91 (Eng. Abstr.) **(Chi)**

[Pyquiton treatment of Echinochasmus japonicus infection] Zhu DY, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):1–3 (Eng. Abstr.) **(Chi)**

[Praziquantel and its levo-and dextro-isomers for the treatment of rabbits infected with schistosomiasis japonica] Wang XG, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun; 25(6):332–4, 380 (Eng. Abstr.) **(Chi)**

[A study on praziquantel treatment of schistosomiasis] Xu ZY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun; 25(6):328–31, 380 (Eng. Abstr.) **(Chi)**

[CT follow-up of neurocysticercosis treated with praziquantel] Schwartz A, et al. **Radiologe** 1987 May; 27(5):237–42 (Eng. Abstr.) **(Ger)**

[Kinetics of the antibody level in schistosomiasis under chemotherapy] Schlisio W, et al. **Z Gesamte Inn Med** 1986 Aug 1;41(15):422–7 (Eng. Abstr.) **(Ger)**

[Organo-tissular and cellular-subcellular tolerance of praziquantel used for chemoprophylaxis and preventive treatment of experimental opisthorchiasis] Ginovker AG, et al. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):74–8 (Eng. Abstr.) **(Rus)**

[Reparative processes in the liver following the droncit treatment of acute experimental opisthorchiasis] Molokova OA, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):33–7 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in peripheral leukocytes and the proteinogram of golden hamsters infested with Opisthorchis felineus before and after treatment with praziquantel] Pereverzeva EV, et al. **Med Parazitol (Mosk)** 1987 May–Jun;(3):57–60 (Eng. Abstr.) **(Rus)**

[Treatment of 2 cases of cysticercosis with praziquantel (letter)] Genís Batlle D, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):650–1 **(Spa)**

TOXICITY

A chronic study of praziquantel in Syrian golden hamsters and Sprague-Dawley rats. Ketkar M, et al. **Toxicology** 1982;24(3–4):345–50

[Evaluation of the phototoxicity of five antimalarial agents and praziquantel in mice] Shao BR, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):273–5 (Eng. Abstr.) **(Chi)**

PRAZOSIN

ADMINISTRATION & DOSAGE

[A case of primary pulmonary hypertension--acute and chronic effect of vasodilators] Funayama N, et al. **Kokyu To Junkan** 1987 Feb;35(2):217–22 (Eng. Abstr.) **(Jpn)**

[Interaction of digoxin with hydralazine and prazosin] Halawa B, et al. **Pol Tyg Lek** 1986 Dec 1;41(48):1521–3 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Effect of prazosin and propranolol on lipoproteins of hypertensive patients. Hurt E, et al. **Biomed Biochim Acta** 1987;46(1):111–8

Neuropsychiatric complications related to use of prazosin in patients with renal failure. Chin DK, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1347

[Suicide attempt with Minipress] Balogh S. **Orv Hetil** 1987 Aug 16;128(33):1735–6 (Eng. Abstr.) **(Hun)**

ANALOGS & DERIVATIVES

A 24-week multicenter double-blind study of doxazosin and hydrochlorothiazide in patients with mild to moderate essential hypertension. Hjortdahl P, et al. **Acta Med Scand** 1987;221(5):427–34

A symposium: Doxazosin: coronary artery disease risk factor management. June 7, 1986, Frankfurt, Germany. **Am J Cardiol** 1987 May 29;59(14):1G–104G

Pharmacokinetic overview of doxazosin. Elliott HL, et al. **Am J Cardiol** 1987 May 29;59(14):78G–81G

Serum lipid changes in a one-year, multicenter, double-blind comparison of doxazosin and atenolol for mild to moderate essential hypertension. Frick MH, et al. **Am J Cardiol** 1987 May 29;59(14):61G–67G

Antihypertensive effects of doxazosin in systemic hypertension and comparison with terazosin. Hayduk K, et al. **Am J Cardiol** 1987 May 29;59(14):95G–98G

Efficacy and safety of doxazosin in hypertension therapy. Hayduk K. **Am J Cardiol** 1987 May 29;59(14):35G–39G

A double-blind parallel trial to assess the efficacy of doxazosin, atenolol and placebo in patients with mild to moderate systemic hypertension. Nash DT, et al. **Am J Cardiol** 1987 May 29;59(14):87G–90G

Multicenter, double-blind comparison of doxazosin and atenolol in patients with mild to moderate hypertension. Ott P, et al. **Am J Cardiol** 1987 May 29;59(14):73G–77G

Plasma lipid lowering effects of doxazosin, a new selective alpha1 adrenergic inhibitor for systemic hypertension. Pool JL. **Am J Cardiol** 1987 May 29;59(14):46G–50G

A multicenter trial of doxazosin in West Germany. Rosenthal J. **Am J Cardiol** 1987 May 29;59(14):40G–45G

Effects of doxazosin on diet-induced hypercholesterolemia in C57BR/cdJ mice. Swindell AC, et al. **Am J Cardiol** 1987 May 29;59(14):29G–34G

An open one-year comparison of doxazosin and prazosin for mild to moderate essential hypertension. Torvik D, et al. **Am J Cardiol** 1987 May 29;59(14):68G–72G

Comparative effects of doxazosin and hydrochlorothiazide on serum lipids and blood pressure in essential hypertension. Trost BN, et al. **Am J Cardiol** 1987 May 29;59(14):99G–104G

Effects of alpha 1 inhibition on renal blood flow and sympathetic nervous activity in systemic hypertension. Wilner KD, et al. **Am J Cardiol** 1987 May 29; 59(14):82G–86G

Inhibition of alpha 1-adrenergic responsiveness in intact cells by a new, irreversible receptor antagonist. Heiman J, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):403–9

A water-soluble derivative of prazosin prazosinamine hydrochloride [1-(4'-amino-6',7'-dimethoxyquinazolin-2'-yl)-4-(6''-aminohexanoyl) piperazine hydrochloride], reversibly inhibits the calcium-mobilizing action of alpha 1-adrenergic agonists in the perfused rat liver. Armarego WL, et al. **Biochem Pharmacol** 1987 May 15;36(10):1583–8

Acute haemodynamic and hormonal effects of oral doxazosin in normal subjects. Whitworth JA, et al. **Clin Exp Pharmacol Physiol** 1987 Feb;14(2):133–5

Pharmacokinetics and effect on blood pressure of doxazosin in normal subjects and patients with renal failure. Carlson RV, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):561–6

Clinical pharmacology of doxazosin in patients with essential hypertension. Cubeddu LX, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):439–49

Alpha-1-adrenergic blockade and lipoprotein metabolism in essential hypertension. Ferrier C, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):525–30

Terazosin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in essential hypertension. Titmarsh S, et al. **Drugs** 1987 May; 33(5):461–77 (26 ref.)

The pharmacokinetics and pharmacodynamics of doxazosin compared with atenolol during long-term double-blind treatment. Faulkner JK, et al. **Eur J Clin Pharmacol** 1987; 31(6):685–93

A comparison of the effects of doxazosin and alfuzosin with those of urapidil on preganglionic sympathetic nerve activity in anaesthetised cats. Ramage AG. **Eur J Pharmacol** 1986 Oct 7;129(3):307–14

Effect of age on pharmacokinetics of and blood pressure responses to prazosin and terazosin. McNeil JJ, et al. **J Cardiovasc Pharmacol** 1987 Aug;10(2):168–75

Antihypertensive effects and pharmacokinetics of single and consecutive administration of doxazosin in patients with mild to moderate essential hypertension. Shionoiri H, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):90–5

Terazosin: a new alpha 1-blocker for the treatment of hypertension: a review of randomized, controlled clinical trials of once-daily administration as monotherapy. Luther RR, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S494–7 (13 ref.)

Effect of doxazosin on blood pressure and renal haemodynamics of hypertensive patients with renal failure. Bailey RR, et al. **NZ Med J** 1986 Dec 10;99(815):942–5

[Reduction of coronary risk factors with selective alpha-blockers. International Doxazosin Symposium. Frankfurt/Main, 7 June 1986] **Fortschr Med** 1986;104 Suppl 8:1–19 **(Ger)**

[Antigenicity study of terazosin] Hasegawa T, et al. **J Toxicol Sci** 1987 Feb;12 Suppl 1:35–47 (Eng. Abstr.) **(Jpn)**

[Alpha-adrenoceptor blocking action of terazosin] Hanazuka M, et al. **Nippon Yakurigaku Zasshi** 1986 Dec;88(6):433–41 (Eng. Abstr.) **(Jpn)**

[Effects of intravenous and intracerebroventricular terazosin, prazosin and clonidine on spontaneous sympathetic outflow

in rats] Yuki S, et al. **Nippon Yakurigaku Zasshi** 1987 Apr; 89(4):225–33 (Eng. Abstr.) **(Jpn)**

[Slow elimination of a prazosin metabolite compared to prazosin kinetics after its intravenous administration to rabbits] Piotrovskii VK, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):73–5 (Eng. Abstr.) **(Rus)**

BLOOD

[Slow elimination of a prazosin metabolite compared to prazosin kinetics after its intravenous administration to rabbits] Piotrovskii VK, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):73–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Adrenergic receptor and catecholamine distribution in rat cerebral cortex: binding studies with [3H]prazosin, [3H]idazoxan and [3H]dihydroalprenolol. Diop L, et al. **Brain Res** 1987 Feb 3;402(2):403–8

A pharmacokinetic study of prazosin in patients with varying degrees of chronic renal failure. Lameire N, et al. **Eur J Clin Pharmacol** 1986;31(3):333–7

Competitive interaction of amiloride and verapamil with alpha 1–adrenoceptors in vascular smooth muscle. Bhalla RC, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct; 8(5):927–32

Alpha–1 and alpha–2 adrenoceptor binding in cerebral cortex: competition studies with [3H]prazosin and [3H]idazoxan. Reader TA, et al. **J Neural Transm** 1987; 68(1–2):79–95

Decreased elimination of unbound prazosin in the presence of alpha 1–acid glycoprotein in the rat in vivo. Oie S, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):934–8

The relationship between alpha 1–adrenergic receptor occupancy and response in BC3H–1 muscle cells. Brown RD, et al. **Mol Pharmacol** 1987 Jul;32(1):43–52

Papaverine inhibits binding of [3H]–prazosin and [3H]–yohimbine to rat renal cortical membranes. O'Hara N, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):157–71

PHARMACODYNAMICS

Clinical pharmacology of selective alpha blockers. Hemodynamics and effects on lipid levels. Reid JL, et al. **Am J Med** 1987 Jan 5;82(1A):15–20

Effect of antihypertensive therapy on the circadian blood pressure pattern. Weber MA, et al. **Am J Med** 1987 Jan 5;82(1A):50–2

Specific alpha 1–, alpha 2–, and beta–responses to norepinephrine in pyruvate–perfused rat kidneys. Baines AD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F170–6

A water–soluble derivative of prazosin prazosinamine hydrochloride [1–(4'–amino–6',7'–dimethoxyquinazolin–2'–yl)–4–(6''–aminohexanoyl) piperazine hydrochloride], reversibly inhibits the calcium–mobilizing action of alpha 1–adrenergic agonists in the perfused rat liver. Armarego WL, et al. **Biochem Pharmacol** 1987 May 15;36(10):1583–8

Role of cyclic GMP in the modulation by endothelium of the adrenolytic action of prazosin in the rat isolated aorta. Alosachie I, et al. **Br J Pharmacol** 1986 Nov;89(3):525–32

The alpha 1–noradrenergic antagonist prazosin decreases the concentration of estrogen receptors in female rat hypothalamus. Blaustein JD. **Brain Res** 1987 Feb 24; 404(1–2):39–50

Effects of alpha–1 adrenergic blockade on the hormonal response to hypoglycaemic stress in normal man. Cuneo RC, et al. **Clin Endocrinol (Oxf)** 1987 Jan;26(1):1–8

Effect of acute administration of prazosin on blood pressure, heart rate and plasma renin level in the conscious normotensive rat. Atkinson J, et al. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):535–41

The cardiovascular effects of trimazosin and prazosin in the rabbit. Vincent J, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):593–608

Adrenergic regulation of beta–endorphin secretion from anterior pituitary in conscious rats: effects of thyroid state. Ishac EJ, et al. **Endocrinology** 1987 Mar;120(3):1073–8

Prazosin partly blocks clonidine–induced hypotension in patients with essential hypertension. Kapocsi J, et al. **Eur J Clin Pharmacol** 1987;32(4):331–4

Pre– and postjunctional alpha–adrenoceptor–mediated effects of prazosin, methoxamine and 6–fluoronoradrenaline in blood–perfused canine skeletal muscle in situ. Kahan T, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):9–20

Electrophysiologic effects of prazosin during acute myocardial ischemia. Wilber DJ, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):157–61

Effect of alpha–1 adrenoceptor blockade on plasma levels of atrial natriuretic peptide during dynamic exercise in normal man. Keller N, et al. **Horm Metab Res** 1987 Jul; 19(7):344

Prazosin–induced alterations in renal alpha–adrenergic receptor function. Jeffries WB, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III125–9

Effect of age on pharmacokinetics of and blood pressure responses to prazosin and terazosin. McNeil JJ, et al. **J Cardiovasc Pharmacol** 1987 Aug;10(2):168–75

Enhanced blood pressure response to isometric handgrip exercise in patients with essential hypertension: effects of propranolol and prazosin. Hamada M, et al. **J Hypertens** 1987 Jun;5(3):305–9

Prazosin treatment suppresses increased vascular permeability in both acute and passively transferred experimental autoimmune encephalomyelitis in the Lewis rat. Goldmuntz EA, et al. **J Immunol** 1986 Dec 1; 137(11):3444–50

Alpha–1 adrenergic receptor binding in aortas from rat and dog: comparison of [3H]prazosin and beta–iodo–[125I]–4–hydroxyphenyl–ethyl–aminomethyl–tetralone. Jones SB, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):875–81

Prazosin selectively antagonizes norepinephrine contractions at low–affinity, non–alpha adrenoceptor sites (extraceptors) in arterial muscle. Laher I, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):846–52

Comparison of cardiovascular effects of SGB–1534 and prazosin, selective alpha 1–adrenoceptor antagonists, in anesthetized dogs. Imagawa J, et al. **Jpn J Pharmacol** 1987 May;44(1):35–41

Na+, K+, and BP homeostasis in man during furosemide: effects of prazosin and captopril. Wilcox CS, et al. **Kidney Int** 1987 Jan;31(1):135–41

Effect of prazosin and 'intracranial hypertension' on cochlear blood flow. Larsen HC. **ORL J Otorhinolaryngol Relat Spec** 1987;49(1):17–21

Clonidine and prazosin block the iminodipropionitrile (IDPN)–induced spasmodic dyskinetic syndrome in mice. Cadet JL, et al. **Pharmacol Biochem Behav** 1987 Apr; 26(4):791–5

Effects of prazosin on metabolism and body temperature in normothermic rabbits. Matuszek M, et al. **Pol J Pharmacol Pharm** 1986 Sep–Dec;38(5–6):417–23

Inhibition of eicosanoid formation by prazosin in the rabbit renal cortex. Van Praag D, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2–3):227–40

Antagonism of the behavioral effects of cocaine and d–amphetamine by prazosin. Tessel RE, et al. **Psychopharmacology (Berlin)** 1986;90(4):436–40

[The effect of prazosin on peripheral blood circulation] Kozák P, et al. **Vnitr Lek** 1986 May;32(5):470–4 (Eng. Abstr.) **(Cze)**

[Effects of intravenous and intracerebroventricular terazosin, prazosin and clonidine on spontaneous sympathetic outflow in rats] Yuki S, et al. **Nippon Yakurigaku Zasshi** 1987 Apr; 89(4):225–33 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Chronic effects of direct vasodilation (pinacidil), alpha–adrenergic blockade (prazosin) and angiotensin–converting enzyme inhibition (captopril) in systemic hypertension. Izzo JL Jr, et al. **Am J Cardiol** 1987 Aug 1;60(4):303–8

Contribution of the renin–angiotensin–aldosterone system to development of tolerance and fluid retention in chronic congestive heart failure during prazosin treatment. Riegger GA, et al. **Am J Cardiol** 1987 Apr 1;59(8):906–10

An open one–year comparison of doxazosin and prazosin for mild to moderate essential hypertension. Torvik D, et al. **Am J Cardiol** 1987 May 29;59(14):68G–72G

Alpha blockade. An overview of efficacy data. Kincaid–Smith PS. **Am J Med** 1987 Jan 5;82(1A):21–5

Vasodilators and regression of left ventricular hypertrophy. Hydralazine versus prazosin in hypertensive humans. Leenen FH, et al. **Am J Med** 1987 May;82(5):969–78

Prazosin versus captopril as initial therapy. Effect on hypertension and lipid levels. Okun R, et al. **Am J Med** 1987 Jan 5;82(1A):58–63

Antihypertensive therapy in the elderly. Effects on blood pressure and cerebral blood flow. Ram CV, et al. **Am J Med** 1987 Jan 5;82(1A):53–7

Astrocytic reactivity and intermediate filament metabolism in experimental autoimmune encephalomyelitis: the effect of suppression with prazosin. Goldmuntz EA, et al. **Brain Res** 1986 Nov 5;397(1):16–26

The renal response to neuroendocrine inhibition in chronic heart failure: double–blind comparison of captopril and prazosin. Bayliss J, et al. **Eur Heart J** 1986 Oct;7(10):877–84

Alpha–adrenergic influences in canine ischemic sudden death: effects of alpha 1–adrenoceptor blockade with prazosin. Wilber DJ, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):96–106

Prazosin treatment during the effector stage of disease suppresses experimental autoimmune encephalomyelitis in the Lewis rat. Brosnan CF, et al. **J Immunol** 1986 Dec 1;137(11):3451–6

Vasodilator therapy in congestive heart failure [letter] **N Engl J Med** 1986 Nov 6;315(19):1227–8

Monitoring the 24–hour urinary frequency in spontaneously hypertensive, and in Wistar rats: effect of alpha–blockers. Kawabe K. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1305–9

Can prazosin be used in the treatment of refractory heart failure only on the basis of clinical monitoring? Nikolić V, et al. **Wien Med Wochenschr** 1987 Jan 15;137(1):9–13

[The effect of vasodilator therapy on mitral and aortic insufficiency in a Doppler echocardiography study] Kozáková M, et al. **Vnitr Lek** 1987 Apr;33(4):324–31 (Eng. Abstr.) **(Cze)**

[Blockade of postsynaptic adrenergic alpha receptors—a new principle for inhibiting uterine contraction] Lechner W. **Z Geburtshilfe Perinatol** 1986 Jul–Aug;190(4):149–54 (Eng. Abstr.) **(Ger)**

[Serum lipids in patients with hypertension treated with prazosin] Bukowska H, et al. **Pol Arch Med Wewn** 1986 Jul;76(1):1–6 (Eng. Abstr.) **(Pol)**

[Prazosin in the initial treatment of arterial hypertension] Luna RL. **Arq Bras Cardiol** 1986 Aug;47(2):111–7 (Eng. Abstr.) **(Por)**

[Vasodilator agents in the therapeutic arsenal of cardiac insufficiency] Lavitola P de L, et al. **Rev Paul Med** 1986 May–Jun;104(3):136–40 **(Por)**

[Long–term use of prazosin alone and combined with propranolol in patients with essential hypertension] Prokopova TN, et al. **Kardiologiia** 1986 Dec;26(12):81–5 (Eng. Abstr.) **(Rus)**

[Endralazine monotherapy in comparison with prazosin and hydralazine in arterial hypertension] Postol'nikov SF, et al. **Sov Med** 1986;(10):86–9 **(Rus)**

PREALBUMIN

C–13 NMR spectral studies of the thyroid hormone transport protein, transthyretin and the pancreatic insulin storage moiety, the zinc–insulin hexamer. Craik DJ, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):116–25

ANALOGS & DERIVATIVES

Immuno–enhancing activity of the amino–terminal domain of human prealbumin: isolation, characterization and synthesis. Burton PM, et al. **Int J Immunopharmacol** 1987; 9(3):297–305

ANALYSIS

Amyloidosis of the joints: evidence that human hip capsules have a unique predisposition for amyloid of the senile systemic type. Goffin YA, et al. **Appl Pathol** 1985; 3(1–2):88–95

Rate nephelometry and radial immunodiffusion compared for measuring serum prealbumin. Goldsmith BM, et al. **Clin Chem** 1987 Jan;33(1):161–3

Turbidimetric determination of transthyretin (prealbumin) with a centrifugal analyzer. Hamlin CR, et al. **Clin Chem** 1987 Jan;33(1):144–6

Immunoturbidimetry of transthyretin (prealbumin) in human serum. Ledue TB, et al. **Clin Chem** 1987 Jul;33(7):1260

Structurally abnormal transthyretin causing familial amyloidotic polyneuropathy in Sweden [letter] Nakazato M, et al. **Clin Chim Acta** 1987 Aug 31;167(3):341–2

Localization of immunoreactive transthyretin (prealbumin) and of transthyretin mRNA in fetal and adult rat brain. Kato M, et al. **Differentiation** 1986;31(3):228–35

Value of prealbumin plasma levels as liver test. Rondana M, et al. **Digestion** 1987;37(2):72–8

Characterization of a transthyretin (prealbumin) variant associated with familial amyloidotic polyneuropathy type II (Indiana/Swiss). Dwulet FE, et al. **J Clin Invest** 1986 Oct;78(4):880–6

Prealbumin: its association with amyloid. Cornwell GG 3d, et al. **J Clin Pathol** 1987 Feb;40(2):226–31

Comparison of serum fibronectin, prealbumin, and albumin concentrations during nutritional repletion in protein–calorie malnourished infants. Yoder MC, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):84–8

Interaction of the dye Remazol Yellow GGL to prealbumin and albumin studied by affinity phase partition, difference spectroscopy and equilibrium dialysis. Birkenmeier G, et al. **Mol Cell Biochem** 1987 Feb;73(2):99–110

BIOSYNTHESIS

Generation of transgenic mice producing a human transthyretin variant: a possible mouse model for familial amyloidotic polyneuropathy. Sasaki H, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):794–9

Synthesis of retinol–binding protein and transthyretin in yolk sac and fetus in the rat. Sklan D, et al. **J Nutr** 1987 Mar; 117(3):436–42

BLOOD

Three immunoassay methods evaluated for quantifying prealbumin (transthyretin) in serum. McCarthy RC, et al. **Clin Chem** 1987 Aug;33(8):1430–3

Transthyretin as measured in capillary and venous plasma. Wade S, et al. **Clin Chem** 1986 Nov;32(11):2103

Biochemical characterization of familial amyloidotic polyneuropathy in various districts of Japan. Tanaka M, et al. **Jpn J Med** 1987 May;26(2):189–93

CEREBROSPINAL FLUID

Variant transthyretin in cerebrospinal fluid in familial amyloidotic polyneuropathy. Nakazato M, et al. **J Neurol Sci** 1987 Jun;79(1–2):111–6

Cerebrospinal fluid transthyretin in multiple sclerosis. Larsen PD, et al. **Neurology** 1987 Jul;37(7):1262–3

[New methods of diagnosing cerebrospinal fluid fistulas using beta 2–transferrin or prealbumin—principles and methodology] Reisinger PW, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):255–9 (Eng. Abstr.) **(Ger)**

[Assessment of prealbumin in cerebrospinal fluid] Hartmann W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Mar; 39(3):145–50 (Eng. Abstr.) **(Ger)**

[Cerebrospinal fluid prealbumins in children with subacute sclerosing panencephalitis] Adamczyk A, et al. **Neurol Neurochir Pol** 1986 May–Jun;20(3):222–7 (Eng.

Abstr.) (Pol)

GENETICS

Human albumin genetic variants: an attempt at a classification of European allotypes. Fine JM, et al. **Am J Hum Genet** 1987 Mar;40(3):278–86

Onset in the seventh decade and lack of symptoms in heterozygotes for the TTRMet30 mutation in hereditary amyloid neuropathy–type I (Portuguese, Andrade). Sequeiros J, et al. **Am J Med Genet** 1987 Jun;27(2):345–57

Molecular detection of carriers of hereditary amyloidosis in a Swedish–American family. Wallace MR, et al. **Am J Med Genet** 1986 Oct;25(2):335–41

Biochemical and genetic characterization of type I familial amyloidotic polyneuropathy. Nakazato M, et al. **Ann Neurol** 1987 Jun;21(6):596–8

Mass spectrometric detection of the plasma prealbumin (transthyretin) variant associated with familial amyloidotic polyneuropathy. Wada Y, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):316–9

Genetic basis for familial amyloidotic polyneuropathy. Shimada K, et al. **Bioessays** 1986 May;4(5):208–12

New method for identifying genetic variants of human proalbumin. Rochu D, et al. **Clin Chem** 1986 Nov; 32(11):2063–5

Assignment of the prealbumin (PALB) gene (familial amyloidotic polyneuropathy) to human chromosome region 18q11.2–q12.1. Sparkes RS, et al. **Hum Genet** 1987 Feb; 75(2):151–4

Analyses of prealbumin mRNAs in individuals with familial amyloidotic polyneuropathy. Mita S, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1215–22

Structure and expression of the mouse prealbumin gene. Wakasugi S, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):49–58

Hyperthyroxinemia due to the coexistence of two raised affinity thyroxine–binding proteins (albumin and prealbumin) in one family. Lalloz MR, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):346–52

Reduced affinity for thyroxine in two of three structural thyroxine–binding prealbumin variants associated with familial amyloidotic polyneuropathy. Refetoff S, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1432–7

Localization of the human prealbumin gene to 18p11.1–q12.3 by gene dose effect study of Southern blot hybridization. Jinno Y, et al. **Jinrui Idengaku Zasshi** 1986 Sep;31(3):243–8

Structure and expression of the mutant prealbumin gene associated with familial amyloidotic polyneuropathy. Maeda S, et al. **Mol Biol Med** 1986 Aug;3(4):329–38

Structure of the mutant prealbumin gene responsible for familial amyloidotic polyneuropathy. Yoshioka K, et al. **Mol Biol Med** 1986 Aug;3(4):319–28

Transcriptional control of the mouse prealbumin (transthyretin) gene: both promoter sequences and a distinct enhancer are cell specific. Costa RH, et al. **Mol Cell Biol** 1986 Dec;6(12):4697–708

Genetic expression of a transthyretin mutation in typical and late-onset Portuguese families with familial amyloidotic polyneuropathy. Saraiva MJ, et al. **Neurology** 1986 Nov; 36(11):1413–7

Retinol–binding protein and transthyretin mRNA levels in visceral yolk sac and liver during fetal development in the rat. Soprano DR, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7330–4

[Molecular and genetic bases for deposition of amyloid fibrils in familial amyloidotic polyneuropathy] Maeda S, et al. **Rinsho Shinkeigaku** 1986 Dec;26(12):1298–301 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Monoclonal antibodies to transthyretin. Collins VP, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):761–9

ISOLATION & PURIFICATION

Isolation and preliminary characterization of tear prealbumin from human ocular mucus. Chao CC, et al. **Curr Eye Res** 1986 Dec;5(12):895–901

Diagnosis of familial amyloidotic polyneuropathy: isolation of variant prealbumin. Suzuki T, et al. **Neurology** 1987 Apr; 37(4):708–11

Purification of prealbumin from human serum. Bashor MM, et al. **Prep Biochem** 1987;17(3):209–27

METABOLISM

Restriction of exogenous transthyretin (prealbumin) by the endothelium of the rat choriocapillaris. Pino RM. **Am J Anat** 1986 Sep;177(1):63–70

Serum thyroid hormones and thyroid hormone binding proteins in patients with completed stroke. Benvenga S, et al. **Ann Clin Res** 1986;18(4):203–7

Nonfamilial prealbumin–type amyloid polyneuropathy. Ochiai J, et al. **Arch Neurol** 1986 Dec;43(12):1294–5

Occurrence of normal circulating proalbumin in a hemophilic A patient after acute hepatitis related to the delta virus. Fine JM, et al. **Clin Chem** 1986 Oct;32(10):1991–3

Protein precursor forms in plasma [editorial] Peters T Jr. **Clin Chem** 1986 Oct;32(10):1994

The processing and secretion of rat serum albumin by oocytes from Xenopus laevis. Foreman RC, et al. **FEBS Lett** 1987 Jul 13;219(1):75–8

Thyroxine–binding prealbumin, overnutrition and apolipoprotein A1. Chavance M, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):359–64

Structure and properties of albumin Tokushima and its proteolytic processing by cathepsin B in vitro. Matsuda Y, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):375–9

A theoretical study of the binding of polychlorinated biphenyls (PCBs), dibenzodioxins, and dibenzofuran to human plasma prealbumin. Pedersen LG, et al. **J Med Chem** 1986 Dec;29(12):2451–7

A comparison of serum transferrin and serum prealbumin as nutritional parameters. Fletcher JP, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar–Apr;11(2):144–7

Yeast KEX2 protease has the properties of a human proalbumin converting enzyme. Bathurst IC, et al. **Science** 1987 Jan 16;235(4786):348–50

Binding of a metabolite of 3,4,3',4'-tetrachlorobiphenyl to transthyretin reduces serum vitamin A transport by inhibiting the formation of the protein complex carrying both retinol and thyroxin. Brouwer A, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):301–12

[Prealbumin–associated hyperthyroxinemia] Lind P, et al. **Acta Med Austriaca** 1986;13(1):17–9 (Eng. Abstr.) (Ger)

PREANESTHETIC MEDICATION

Malignant hyperthermia susceptibility—successful management with a "stressfree" techniqueJantzen JP, et al. **Acta Anaesthesiol Belg** 1987;38(1):107–13

Neutrophil mobility during anaesthesia in children. A trial of ascorbate premedication. Charlton AJ, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):343–6

Benzodiazepines as oral premedication. A comparison between oxazepam, flunitrazepam and placebo. Hofstad B, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):295–9

Effects of rectal thiopentone and methohexitone on carbon dioxide tension in infant anaesthesia with spontaneous ventilation. Larsson LE, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):227–30

Intubating conditions after vecuronium and atracurium given in divided doses (the priming technique). Mirakhur RK, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):347–50

Spinal block, after dantrolene pretreatment, for resection of a thigh muscle herniation in a young malignant hyperthermia susceptible man. Oikkonen M, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):309–11

Effect of clonidine on haemodynamic responses to endotracheal intubation and on gastric acidity. Orko R, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):325–9

Premedication with midazolam in out–patient general anaesthesia. A comparison with morphine–scopolamine and placebo. Raeder JC, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):509–14

Premedication for day–case surgery: double–blind comparison of ketobemidone + dimethylaminodiphenylbuten (A–29) and morphine + scopolamine. Raeder JC, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):502–6

Oral temazepam as a premedicant in elderly general surgical patients. Salonen M, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):689–92

The use of oral benzodiazepines as premedications: the usefulness of temazepam. Kanto J. **Acta Psychiatr Scand [Suppl]** 1986;332:159–66

The use of temazepam Expidet (FDDF) as a premedicant in children. Schroeder HG. **Acta Psychiatr Scand [Suppl]** 1986;332:167–71

Preanesthetic use of detomidine in horses—some clinical observations. Saarinen H. **Acta Vet Scand [Suppl]** 1986; 82:157–65

The effect of premedication on the incidence of postoperative vomiting in children after E.N.T. surgery. Puttick N, et al. **Anaesth Intensive Care** 1987 May;15(2):158–62

A study of intravenous sedation with diazepam and midazolam for dentistry in Hong Kong Chinese. Rodrigo MR, et al. **Anaesth Intensive Care** 1986 Nov;14(4):404–11

Oral premedication in children. Van der Walt JH, et al. **Anaesth Intensive Care** 1987 May;15(2):151–7

Buccal morphine premedication. A double–blind comparison with intramuscular morphine. Fisher AP, et al. **Anaesthesia** 1986 Nov;41(11):1104–11

Memory of cardiac anaesthesia. Psychological sequelae in cardiac patients of intra–operative suggestion and operating room conversation. Goldmann L, et al. **Anaesthesia** 1987 Jun;42(6):596–603

Premedication for children [letter] Johnson TW, et al. **Anaesthesia** 1986 Oct;41(10):1059

Triazolam premedication [letter] Pinnock CA, et al. **Anaesthesia** 1987 Mar;42(3):316–7

Premedication for day case surgery. A study of oral midazolam. Raybould D, et al. **Anaesthesia** 1987 Jun; 42(6):591–5

Assessment of effect of various modes of premedication on acid aspiration risk factors in outpatient surgery. Manchikanti L, et al. **Anesth Analg** 1987 Jan;66(1):81–4

Midazolam as an induction agent in children: a pharmacokinetic and clinical study. Salonen M, et al. **Anesth Analg** 1987 Jul;66(7):625–8

On the use of priming with vecuronium for rapid sequence induction [letter] Sosis M. **Anesth Analg** 1986 Dec; 65(12):1367–8

Reduced narcotic requirement by clonidine with improved hemodynamic and adrenergic stability in patients undergoing coronary bypass surgery. Flacke JW, et al. **Anesthesiology** 1987 Jul;67(1):11–9

Anesthesia and hypertension: the effect of clonidine on perioperative hemodynamics and isoflurane requirements. Ghignone M, et al. **Anesthesiology** 1987 Jul;67(1):3–10

Alpine anesthesia: can pretreatment with clonidine decrease the peaks and valleys? [editorial] Longnecker DE. **Anesthesiology** 1987 Jul;67(1):1–2

The pharmacokinetics of rectal midazolam for premedication in children. Saint–Maurice C, et al. **Anesthesiology** 1986 Nov;65(5):536–8

Premedication abolishes the increase in plasma beta–endorphin observed in the immediate preoperative period. Walsh J, et al. **Anesthesiology** 1987 Mar;66(3):402–5

Ketanserin pretreatment reverses alfentanil–induced muscle rigidity. Weinger MB, et al. **Anesthesiology** 1987 Sep; 67(3):348–54

A study of inhalational sedation with nitrous oxide/oxygen for oral surgery in Hong Kong Chinese. Rodrigo MR. **Ann Acad Med Singapore** 1986 Jul;15(3):315–9

Carcinoid syndrome: comparison of pretreatment regimes in the same patient. Padfield NL. **Ann R Coll Surg Engl** 1987 Jan;69(1):16–7

Chloral hydrate [letter] **ASDC J Dent Child** 1987 May–Jun; 54(3):155–6

The therapeutic effectiveness of nitrous oxide and chloral hydrate administered orally, rectally, and combined with hydroxyzine for pediatric dentistry. Moody EH Jr, et al. **ASDC J Dent Child** 1986 Nov–Dec;53(6):425–9

Management of the refractory young child with chloral hydrate: dosage selection. Nathan JE. **ASDC J Dent Child** 1987 Mar–Apr;54(2):93–100

Management of the refractory young child with chloral hydrate: dosage selection. Nathan JE. **ASDC J Dent Child** 1987 Jan–Feb;54(1):22–9

Oral sedation with temazepam: controlled comparison of a soft gelatin capsule formulation with intravenous diazepam. Harris D, et al. **Br Dent J** 1987 Apr 25;162(8):297–301

Oral sedation with temazepam: a practical alternative for use in dentistry? Hoise HE, et al. **Br Dent J** 1987 Mar 7; 162(5):190–3

Inhalational sedation with isoflurane: an alternative to nitrous oxide sedation in dentistry. Parbrook GD, et al. **Br Dent J** 1987 Aug 8;163(3):88–92

Premedication and body temperature [letter] Anwar Z, et al. **Br J Anaesth** 1986 Oct;58(10):1204–5

Comparison of nalbuphine, pethidine and placebo as premedication for minor gynaecological surgery. Chestnutt WN, et al. **Br J Anaesth** 1987 May;59(5):576–80

Effects of fasting and oral premedication on the pH and volume of gastric aspirate in children. Meakin G, et al. **Br J Anaesth** 1987 Jun;59(6):678–82

Comparison of midazolam by mouth and diazepam i.v. in outpatient oral surgery. O'Boyle CA, et al. **Br J Anaesth** 1987 Jun;59(6):746–54

Comparison of temazepam elixir and trimeprazine syrup as oral premedication in children undergoing tonsillectomy and associated procedures. Thomas DL, et al. **Br J Anaesth** 1987 Apr;59(4):424–30

Dose requirements of propofol by infusion during nitrous oxide anaesthesia in man. II: Patients premedicated with lorazepam. Turtle MJ, et al. **Br J Anaesth** 1987 Mar; 59(3):283–7

Assessment of a new hypnotic imidazo–pyridine (zolpidem) as oral premedication. Cashman JN, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):85–92

The effects of cimetidine and ranitidine with and without metoclopramide on gastric volume and pH in morbidly obese patients. Lam AM, et al. **Can Anaesth Soc J** 1986 Nov;33(6):773–9

Anaesthetic premedication: aims, assessment and methods. Madej TH, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):259–73 (203 ref.)

Oral lorazepam in preanaesthetic medication. Jayasuriya JP. **Ceylon Med J** 1986 Dec;31(4):173–9

A comparative study of diazepam with sustained–release diazepam as oral premedication in minor gynaecological surgery. Eastley RJ, et al. **Curr Med Res Opin** 1986; 10(4):235–40

Effect of pretreatment with propranolol on intra–ocular pressure changes during induction of anaesthesia. Cook JH, et al. **Eur J Anaesthesiol** 1986 Nov;3(6):449–57

Pharmacokinetics of midazolam used as an intravenous induction agent for patients over 80 years of age. Servin F, et al. **Eur J Anaesthesiol** 1987 Jan;4(1):1–7

Intravenous or rectal diazepam for outpatient sedation in minor oral surgery. Lundgren S, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):541–8

Oral midazolam sedation in third molar surgery. Rodrigo MR, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):333–7

Intravenous midazolam in oral surgery. Van der Bijl P, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):325–32

A comparison of amnesia in outpatients sedated with midazolam or diazepam alone or in combination with fentanyl during oral surgery. Ochs MW, et al. **J Am Dent Assoc** 1986 Dec;113(6):894–7

A comparative study of intravenous diazepam and midazolam for oral surgery. Clark RN, et al. **J Oral Maxillofac Surg** 1986 Nov;44(11):860–3

A double–blind comparison of nalbuphine and meperidine hydrochloride as intravenous analgesics in combination with diazepam for oral surgery outpatients. Scott RF.

J Oral Maxillofac Surg 1987 Jun;45(6):473–6

The use of prophylactic antibiotics in colorectal surgery: a prospective trial. Isbister WH. J R Coll Surg Edinb 1986 Oct;31(5):284–8

A comparative study of midazolam and thiopentone for induction of anesthesia for short operations. Badran I. Middle East J Anesthesiol 1987 Jun;9(2):199–205

H1 and H2 blockade: a prophylactic principle in anaesthesia and surgery against histamine-release responses of any degree of severity: Part II. Lorenz W, et al. New Engl Reg Allergy Proc 1985 Spring;6(2):174–94 (112 ref.)

H1 and H2 blockade: a prophylactic principle in anesthesia and surgery against histamine-release responses of any degree of severity: Part I. Lorenz W, et al. New Engl Reg Allergy Proc 1985 Winter;6(1):37–57 (111 ref.)

Midazolam, diazepam, and placebo as intravenous sedatives for dental surgery. Clark MS, et al. Oral Surg Oral Med Oral Pathol 1987 Jan;63(1):127–31

Butorphanol as a dental premedication in the mentally retarded. Jann MW, et al. Oral Surg Oral Med Oral Pathol 1987 Apr;63(4):403–7

Desipramine enhances opiate postoperative analgesia. Levine JD, et al. Pain 1986 Oct;27(1):45–9

Midazolam premedication in paediatric anaesthesia. Payne KA, et al. S Afr Med J 1986 Nov 22;70(11):657–9

Pharmacologic reduction of the risk of aspiration. Gipson SL, et al. South Med J 1986 Nov;79(11):1356–8

[Potential use of benzodiazepine monoanesthesia with Dormicum (midazolam)] Iordanov I, et al. Khirurgiia (Sofiia) 1986;39(5):1–9 (Bul)

[The influence of succinylcholine by pre-treatment with pancuronium, tubocurarine and atracurium] Wei TT, et al. Ma Tsui Hsueh Tsa Chi 1985 Dec;23(4):187–92 (Eng. Abstr.) (Chi)

[The effect of intravenous cimetidine premedication on gastric pH] Wu KH, et al. Ma Tsui Hsueh Tsa Chi 1986 Dec;24(4):258–62 (Eng. Abstr.) (Chi)

[Oral premedication with diazepam] Besson L, et al. Ann Fr Anesth Reanim 1987;6(1):77–8 (Fre)

[Oral premedication with diazepam] Ramboatiana R, et al. Ann Fr Anesth Reanim 1986;5(5):469–72 (Eng. Abstr.) (Fre)

[Oral premedication with bromazepam and lorazepam] Bourion P, et al. Cah Anesthesiol 1986 Dec;34(8):675–80 (Fre)

[Precurarization: comparison between gallamine and vecuronium administered before suxamethonium] Lévêque C, et al. Cah Anesthesiol 1986 Nov;34(7):591–4 (Fre)

[Sedation with flunitrazepam during spinal anesthesia] Racle JP, et al. Cah Anesthesiol 1986 Aug–Sep;34(5):381–6 (Eng. Abstr.) (Fre)

[Oral premedication and controlled surgery] Ramboatiana R, et al. Cah Anesthesiol 1986 Dec;34(8):703–7 (27 ref.) (Fre)

[General anesthesia and preoperative changes in plasma beta-endorphin] Scarlino F, et al. Cah Anesthesiol 1986 Dec;34(8):635–9 (Eng. Abstr.) (Fre)

[Comparison of fentanyl and alfentanil in ambulatory anesthesia] Schoeffler P, et al. Cah Anesthesiol 1987 Mar–Apr;35(2):87–92 (Fre)

[Midazolam and pethidine/promethazine for intramuscular premedication] Tolkadorf W, et al. Anaesthesist 1987 Jun; 36(6):275–9 (Eng. Abstr.) (Ger)

[Effects and side effects of transdermal scopolamine for premedication in general anesthesia in elderly patients] Tolksdorf W, et al. Anasth Intensivther Notfallmed 1986 Dec;21(6):301–6 (Eng. Abstr.) (Ger)

[Mendelson syndrome in obstetrics. The use of intravenous cimetidine in emergency cesarean sections] Pisoni F, et al. Minerva Anestesiol 1986 Nov;52(11):391–5 (Eng. Abstr.) (Ita)

[Combination of buprenorphine and trazodone in preanesthetic medication] Santamaria LB, et al. Minerva Anestesiol 1987 Jan–Feb;53(1–2):1–8 (Eng. Abstr.) (Ita)

[A double-blind evaluation of famotidine for pre-anesthetic intramuscular administration—its effects on volume and pH of gastric juice] Noguchi J, et al. Masui 1987 Apr; 36(4):592–603 (Eng. Abstr.) (Jpn)

[Total oxygen consumption as a criterion of adequacy of premedication] Diadiurko AM, et al. Anesteziol Reanimatol 1987 May–Jun;(3):11–3 (Eng. Abstr.) (Rus)

[Lipid peroxidation as an effect of preparations used in anesthesiologic practice] Galeev FS, et al. Anesteziol Reanimatol 1986 Jul–Aug;(4):12–4 (Eng. Abstr.) (Rus)

[Central and peripheral hemodynamics in ketamine general anesthesia in children] Zhavoronkov VF, et al. Anesteziol Reanimatol 1986 Nov–Dec;(6):57–9 (Eng. Abstr.) (Rus)

[Clinico-physiological characteristics of fenazepam premedication in ambulatory dental surgery] Biziaev AF, et al. Stomatologiia (Mosk) 1987 May–Jun;66(3):35–7 (Eng. Abstr.) (Rus)

[Premedication with seduxen, ketalar, atropine and droperidol during adenotomy and tonsillectomy in children] Litvinkov NP, et al. Vestn Otorinolaringol 1987 Jan–Feb;(1):42–4 (Eng. Abstr.) (Rus)

[Comparative study of flunitrazepam and a fentanyl–droperidol combination for premedication in pediatrics] Villalonga A, et al. Rev Esp Anestesiol Reanim 1987 May–Jun;34(3):192–5 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Narcotic-induced choledochoduodenal sphincter spasm reversed by naloxone. A case report and review. Bird KJ. Anaesthesia 1986 Nov;41(11):1120–3

Postoperative neurologic dysfunction associated with preoperative administration of metoclopramide. Scheller MS, et al. Anesth Analg 1987 Mar;66(3):274–6

Traditional Chinese acupuncture: a potentially useful antiemetic? Dundee JW, et al. Br Med J [Clin Res] 1986 Sep 6;293(6547):583–4

Delayed vomiting after papavaretum in paediatric outpatient surgery. Wilton NC, et al. Can Anaesth Soc J 1986 Nov; 33(6):741–4

METHODS

Precurarisation in infants and children less than three years of age. Cozanitis DA, et al. Can J Anaesth 1987 Jan; 34(1):17–20

[Oral versus intramuscular premedication with atropine–diazepam–pethidine in ambulatory anesthesia in childhood] Hoch HH. Anaesthesiol Reanim 1986; 11(4):191–9 (Eng. Abstr.) (Ger)

[Midazolam (Dormicum) as oral premedication for local anesthesia] Lanz E, et al. Anaesthesist 1987 May; 36(5):197–202 (Eng. Abstr.) (Ger)

[Effect of premedication and fentanyl administration on the endocrine stress reaction during halothane anesthesia] Adams HA, et al. Anasth Intensivther Notfallmed 1987 Jun; 22(3):118–23 (Eng. Abstr.) (Ger)

[Effect and side effects of oral morphine, lormetazepam and placebos as premedication] Tolksdorf W, et al. Anasth Intensivther Notfallmed 1987 Jun;22(3):113–7 (Eng. Abstr.) (Ger)

[Premedication in outpatient dental surgery under local anesthesia] Fagiano G, et al. Minerva Stomatol 1986 Nov; 35(11):1027–31 (9 ref.) (Eng. Abstr.) (Ita)

VETERINARY

Clinical experience with Domosedan in equine practice in newmarket. Ricketts SW. Acta Vet Scand [Suppl] 1986; 82:197–201

Preanesthetic use of detomidine in horses—some clinical observations. Saarinen H. Acta Vet Scand [Suppl] 1986; 82:157–65

Cardiovascular and pulmonary function studies of a new sedative/analgetic (detomidine/Domosedan) for use alone in horses or as a preanesthetic. Short CE, et al. Acta Vet Scand [Suppl] 1986;82:139–55

Detomidine (Domosedan) in sedation, premedication and general anaesthesia of horses. Szeligowski E, et al. Acta Vet Scand [Suppl] 1986;82:181–5

Preanesthetic medications in ruminants and swine. Short CE. Vet Clin North Am [Food Anim Pract] 1986 Nov; 2(3):553–66 (29 ref.)

PREBETA LIPOPROTEINS see **LIPOPROTEINS, VLDL**

PRECANCEROUS CONDITIONS

Gallstones, gallbladder cancer, and other gastrointestinal malignancies. An epidemiologic study in Rochester, Minnesota. Maringhini A, et al. Ann Intern Med 1987 Jul; 107(1):30–5

Use of intermediate endpoints in quantitating the response of precancerous lesions to chemopreventive agents. Rosin MP, et al. Can J Physiol Pharmacol 1987 Mar;65(3):483–7 (33 ref.)

Nonpigmented premalignant lesions of the skin. Gard D. Clin Plast Surg 1987 Apr;14(2):413–23 (88 ref.)

[The monoclonal gammapathy of uncertain meaning– a premyelomatosis?] Kühn RA. Folia Haematol (Leipz) 1986; 113(3):312–6 (Eng. Abstr.) (Ger)

ANALYSIS

Flow cytometric DNA analysis of normal, premalignant and malignant human epidermal tissues. Frentz G. Acta Derm Venereol [Suppl] (Stockh) 1986;129:1–44 (120 ref.)

DNA distributions in human normal, precancerous and cancerous breast tissue. I. Ploidy and cell cycle distribution. Weiss H, et al. Arch Geschwulstforsch 1986;56(5):373–9

Expression of differentiation-specific proteins in preneoplastic mammary tissues in BALB/c mice. Medina D, et al. Cancer Res 1987 Sep 1;47(17):4686–93

Variations of ornithine decarboxylase activity and S-adenosyl-L-methionine and 5'-methylthioadenosine contents during the development of diethylnitrosamine-induced liver hyperplastic nodules and hepatocellular carcinoma. Garcea R, et al. Carcinogenesis 1987 May;8(5):653–8

DNA flow cytometry of histological material from dysplastic lesions of human gastric mucosa. Macartney JC, et al. J Pathol 1986 Oct;150(2):113–8

[Cytometry of premalignant states] Laerum OD, et al. Arch Geschwulstforsch 1987;57(2):151–71 (173 ref.) (Eng. Abstr.) (Ger)

BLOOD

Serum copper and zinc levels in premalignant and malignant lesions of the oral cavity. Varghese I, et al. Oncology 1987; 44(4):224–7

[Determination of plasma prolactin in patients with breast dysplasia] Vázquez Albaladejo C, et al. Rev Esp Oncol 1983;30(3):323–36 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

Cellular events during hepatocarcinogenesis in rats and the question of premalignancy. Sell S, et al. Adv Cancer Res 1987;48:37–111 (380 ref.)

Suppression by pregnancy of chemically induced preneoplastic cells of the rat mammary gland. Grubbs CJ, et al. Anticancer Res 1986 Nov–Dec;6(6):1395–400

Occupational risk and the development of premalignant skin lesions among paraquat manufacturers. Wang JD, et al. Br J Ind Med 1987 Mar;44(3):196–200

Risk factors for bladder cancer in a cohort exposed to aromatic amines. Schulte PA, et al. Cancer 1986 Nov 1; 58(9):2156–62

Evaluation of premalignant and malignant lesions during the induction of mouse melanomas. Berkelhammer J, et al. Cancer Res 1987 Mar 1;47(5):1251–4

Dose–response studies on the effects of alpha–, beta–, and gamma–hexachlorocyclohexane on putative preneoplastic foci, monooxygenases, and growth in rat liver. Schröter C, et al. Cancer Res 1987 Jan 1;47(1):80–8

Influence of dietary fat and selenium in initiation and promotion of aflatoxin B1–induced preneoplastic foci in rat liver. Baldwin S, et al. Carcinogenesis 1987 Jan; 8(1):101–7

Inhibition by pentachlorophenol of the initiating and promoting activities of 1'-hydroxysafrole for the formation of enzyme–altered foci and tumors in rat liver. Boberg EW, et al. Carcinogenesis 1987 Apr;8(4):531–9

Enhancing effect of co-administration of polychlorinated biphenyls and diethylnitrosamine on enzyme-altered islands induced by diethylnitrosamine in rat liver. Deml E, et al. Carcinogenesis 1986 Oct;7(10):1697–700

The phenotypic stability of altered hepatic foci: effects of withdrawal and subsequent readministration of phenobarbital. Hendrich S, et al. Carcinogenesis 1986 Dec; 7(12):2041–5

Sequential study on the synergistic effects of 2,2',4,4',5,5'-hexabromobiphenyl and 3,3',4,4',5,5'-hexabromobiphenyl on hepatic tumor promotion. Jensen RK, et al. Carcinogenesis 1986 Oct; 7(10):1771–4

Reciprocal modifying effects of isomeric forms of aminophenol on induction of neoplastic lesions in rat liver and kidney initiated by N-ethyl-N-hydroxyethylnitrosamine. Kurata Y, et al. Carcinogenesis 1987 Sep;8(9):1281–5

Dinitrotoluene isomer-specific enhancement of the expression of diethylnitrosamine-initiated hepatocyte foci. Leonard TB, et al. Carcinogenesis 1986 Nov;7(11):1797–803

Sequential histochemical and morphometric studies on preneoplastic and neoplastic lesions induced in rat colon by 1,2-dimethylhydrazine. Mayer D, et al. Carcinogenesis 1987 Jan;8(1):155–61

Facilitated expression of adaptive responses to phenobarbital in putative pre-stages of liver cancer. Schulte-Hermann R, et al. Carcinogenesis 1986 Oct;7(10):1651–5

Cribriform polypoid adenomatous (atypical) hyperplasia of the endocervical glands of the uterus under hormonal contraception. Moltz L, et al. Eur J Obstet Gynecol Reprod Biol 1977;7(5):331–6

Bioassays for carcinogenicity in animals. Early preneoplastic lesions. Bannasch P, et al. IARC Sci Publ 1986;(83):85–101 (120 ref.)

Dietary protein level and aflatoxin B1–induced preneoplastic hepatic lesions in the rat. Dunaif GE, et al. J Nutr 1987 Jul;117(7):1298–302

Differential modification of development of preneoplastic lesions in the Syrian golden hamster initiated with a single dose of 2,2'-dioxo-N-nitrosodipropylamine: influence of subsequent butylated hydroxyanisole, alpha–tocopherol, or carbazole. Moore MA, et al. JNCI 1987 Feb;78(2):289–93

Peroxisome proliferator–induced hepatocarcinogenesis: histochemical analysis of ciprofibrate–induced preneoplastic and neoplastic lesions for gamma–glutamyl transpeptidase activity. Rao MS, et al. JNCI 1986 Oct; 77(4):951–6

Disappearance of upward proliferation and persistence of downward basal cell proliferation in rat forestomach papillomas induced by butylated hydroxyanisole. Masui T, et al. Jpn J Cancer Res 1986 Sep;77(9):854–7

Induction of gamma–glutamyltranspeptidase–positive foci in rat liver by deoxycholic acid. Ura H, et al. Jpn J Cancer Res 1987 Mar;78(3):216–8

Estimation of arecoline contents in commercial areca (betel) nuts and its relation to oral precancerous lesions. Awang MN. Singapore Med J 1986 Aug;27(4):317–20

Di–n–octyl phthalate (DOP), a relatively ineffective peroxisome inducing straight chain isomer of the environmental contaminant di(2–ethylhexyl)phthalate (DEHP), enhances the development of putative preneoplastic lesions in rat liver. DeAngelo AB, et al. Toxicology 1986 Nov;41(3):279–88

[Modifying effect of methylcobalamin in organ cultures of

the mouse kidney when administered transplacentally in combination with N-nitrosoethylurea] Golenko OD, et al. **Eksp Onkol** 1986;8(4):23-8 (Eng. Abstr.) **(Rus)**

[Epidemiology of chronic background, pretumorous and oncologic diseases among workers exposed to low concentrations of asbestos-containing dust] Kogan FM, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):37-40 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Intraepidermal melanocytic proliferation. A practical guide to the classification of ambiguous melanotic skin lesions and of possible precursors of malignant melanomas] Prade M, et al. **Bull Cancer (Paris)** 1986;73(5):504-12 (Eng. Abstr.) **(Fre)**

[Cytological classification of precancer and cancer of the cervix uteri] Agamova KA, et al. **Vopr Onkol** 1987; 33(5):54-9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Nodular hyperplasia of the liver and unstable diabetes mellitus] Gonciarz Z, et al. **Przegl Lek** 1986;43(6):476-8 **(Pol)**

CONGENITAL

[Congenital nevus cell nevi as precursors of melanomas of the skin] Schnyder UW, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):259-64 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Morphometric markers for the evaluation of preneoplastic lesions in the lung. Diagnostic evaluation by high-resolution image analysis of atypical cells in sputum specimens. Greenberg SD, et al.
Anal Quant Cytol Histol 1987 Mar;9(1):49-54

Recognition of cervical neoplasia by the estimation of a free-radical reaction product (octadeca-9,11-dienoic acid) in biopsy material. Griffin JF, et al. **Clin Chim Acta** 1987 Mar 16;163(2):143-8

Recognition of cervical neoplasia by the estimation of a free-radical reaction product (octadeca-9,11-dienoic acid) in exfoliated cells. Tay SK, et al. **Clin Chim Acta** 1987 Mar 16;163(2):149-52

Endoscopic surveys in high-risk and low-risk populations for esophageal cancer in China with special reference to precursors of esophageal cancer. Guanrei Y, et al.
Endoscopy 1987 May;19(3):91-5

Evaluation of gastric carcinoembryonic antigen analysis as an aid during screening for gastric neoplasia in atrophic gastritis. Borch K, et al. **Gut** 1987 Jan;28(1):26-32

Diagnostic and therapeutic problems of oral precancerous lesions. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):790-8

Determination of growth fractions in benign breast disease (BBD) with monoclonal antibody Ki-67. Lellé RJ, et al. **J Cancer Res Clin Oncol** 1987;113(1):73-7

Identification of basal cell carcinomas by means of monoclonal antibodies C50 and C241. Nilsson LA, et al. **J Dermatol Surg Oncol** 1987 Jan;13(1):49-51

Monoclonal antibodies detect human colon precancer cells. Hakim AA. **Naturwissenschaften** 1986 Nov;73(11):672-4

Nonpalpable lesions detected with mammography: review of 512 consecutive cases. Ciatto S, et al. **Radiology** 1987 Oct;165(1):99-102

[Gastroscopy plus cytology for the diagnosis of gastric cancer or precancerous diseases--report of 127 cases] Zhao HY. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):115-7 (Eng. Abstr.) **(Chi)**

[Molluscum pendulum and colorectal preneoplastic and neoplastic lesions (letter)] Vinel JP, et al.
Gastroenterol Clin Biol 1987 Feb;11(2):177-8 **(Fre)**

[Early diagnosis of premalignant and malignant lesions of the endometrium. Evaluation of a device for collecting intrauterine samples (the Inocurette) compared with exploratory curettage] de Meuron A, et al.
J Gynecol Obstet Biol Reprod (Paris) 1986;15(8):1035-42 (Eng. Abstr.) **(Fre)**

[The monoclonal gammapathy of uncertain meaning- a premyelomatosis?] Kühn RA. **Folia Haematol (Leipz)** 1986; 113(3):312-6 (Eng. Abstr.) **(Ger)**

[Diagnosis of precancerous lesions of the endometrium] de Cesare E, et al. **Minerva Ginecol** 1986 Sep;38(9):767-71 (Eng. Abstr.) **(Ita)**

[Incidence of benign breast lesions surgically verified in later anamneses of 560 patients with cancer of the breast] Spinelli C, et al. **Minerva Ginecol** 1986 Sep;38(9):757-60 (Eng. Abstr.) **(Ita)**

[Preliminary results of the analysis of the carcinoembryonic antigen (CEA) level in the serum of patients with dysplasias and benign neoplasms of the breast] Słuszniak J, et al.
Nowotwory 1986 Jul-Sep;36(3):187-90 (Eng. Abstr.) **(Pol)**

[Problems of diagnosis and treatment in precancerous conditions of the larynx] Hociotă D, et al.
Rev Chir [Otorinolaringol] 1986 Oct-Dec;31(4):241-8 (Eng. Abstr.) **(Rum)**

[Rapid diagnosis of tumors and tumor-like formations of the ovaries during surgery] Zorina NI, et al.
Akush Ginekol (Mosk) 1986 Nov;(11):16-8 (Eng. Abstr.) **(Rus)**

[Clinico-diagnostic features of early stomach cancer] Utkin VV, et al. **Sov Med** 1986;(11):74-6 **(Rus)**

[Diagnostic significance of determining 3-hydroxyanthranilic acid in patients with precancerous diseases and cancer of the bladder] Klimenko IA, et al. **Urol Nefrol (Mosk)** 1986 Nov-Dec;(6):30-4 (Eng. Abstr.) **(Rus)**

[The use of a cytological method for the formation of groups at risk for stomach cancer] Kliukina LB, et al.
Vopr Onkol 1986;32(9):60-5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Use of progestogen therapy. Gambrell RD Jr.
Am J Obstet Gynecol 1987 May;156(5):1304-13

Topical tretinoin: indications, safety, and effectiveness. Kligman A. **Cutis** 1987 Jun;39(6):486-8

Topical application of 5-fluorouracil in premalignant lesions of cornea, conjunctiva and eyelid. de Keizer RJ, et al.
Doc Ophthalmol 1986 Dec 30;64(1):31-42

ENZYMOLOGY

Expression and inducibility of drug-metabolizing enzymes in preneoplastic and neoplastic lesions of rat liver during nitrosamine-induced hepatocarcinogenesis. Kunz HW, et al. **Arch Toxicol** 1987;60(1-3):198-203

Identification of a characteristic cytosolic polypeptide of rat preneoplastic hepatocyte nodules as placental glutathione S-transferase. Rushmore TH, et al.
Biochem Biophys Res Commun 1987 Feb 27;143(1):98-103

Microsomal cholesterol epoxide hydrolase activity in 2-acetylaminofluorene-induced rat liver hyperplastic nodules. Palakodety RB, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2424-7

Development of cytochrome P-450-altered preneoplastic and neoplastic lesions during nitrosamine-induced hepatocarcinogenesis in the rat. Buchmann A, et al.
Cancer Res 1987 Jun 1;47(11):2911-8

Analysis of peroxisome proliferator-induced preneoplastic and neoplastic lesions of rat liver for placental form of glutathione S-transferase and gamma-glutamyltranspeptidase. Rao MS, et al.
Cancer Res 1986 Oct;46(10):5287-90

Phenobarbital induction of cytochrome P-450 in normal and preneoplastic rat liver: comparison of enzyme and mRNA expression as detected by immunohistochemistry and in situ hybridization. Schwarz M, et al. **Carcinogenesis** 1987 Sep; 8(9):1355-7

Persistent effect of a low dose of preadministered diethylnitrosamine on the induction of enzyme-altered foci in rat liver. Takahashi S, et al. **Carcinogenesis** 1987 Apr; 8(4):509-13

Immunohistochemically demonstrated altered expression of cytochrome P-450 molecular forms and epoxide hydrolase in N-ethyl-N-hydroxyethylnitrosamine-induced rat kidney and liver lesions. Tsuda H, et al. **Carcinogenesis** 1987 May;8(5):711-7

The clonal nature of carcinogen-induced altered foci of gamma-glutamyl transpeptidase expression in rat liver. Weinberg WC, et al. **Carcinogenesis** 1987 Apr;8(4):565-70

Decrease in glucokinase and glucose-6-phosphatase and increase in hexokinase in putative preneoplastic lesions of rat liver. Fischer G, et al. **J Cancer Res Clin Oncol** 1987; 113(5):430-6

Enhancing effects of N-ethyl-N'-nitro-N-nitrosoguanidine and sodium taurocholate on development of pepsinogen 1 decreased pyloric glands in rats initiated with N-methyl-N'-nitro-N-nitrosoguanidine. Tatematsu M, et al. **Jpn J Cancer Res** 1987 Apr;78(4):312-6

Examination of enzyme-altered foci with gamma-glutamyl transpeptidase, aldehyde dehydrogenase, glucose-6-phosphate dehydrogenase, and other markers in methacrylate-embedded liver. Pretlow TP, et al.
Lab Invest 1987 Jan;56(1):96-100

Benzaldehyde: NADP aldehyde dehydrogenase activity in hepatocyte nodules, hepatocellular carcinomas and drug-induced rat liver. Ritter E, et al.
Prog Clin Biol Res 1987;232:149-64

gamma-Glutamyltransferase activity in atypical acinar cell nodules of rat pancreas. Faribault G, et al.
Toxicol Appl Pharmacol 1987 May;88(3):338-45

Immunohistochemically demonstrated increase in glutathione S-transferase species in propylnitrosamine-induced focal proliferative and neoplastic Syrian hamster pancreatic lesions. Moore MA, et al. **Virchows Arch [B]** 1987; 52(6):479-88

Expression and regulation of glycogen phosphorylase in preneoplastic and neoplastic hepatic lesions in rats. Seelmann-Eggebert G, et al. **Virchows Arch [B]** 1987; 53(1):44-51

[Marker enzymes for processes in chemical carcinogenesis, with special reference to glutathione S-transferases] Sato K. **Tanpakushitsu Kakusan Koso** 1986 Aug;31(10):921-6 **(Jpn)**

ETIOLOGY

Natural history of precancerous and early cancerous lesions of the uterine cervix. Luthra UK, et al.
Acta Cytol (Baltimore) 1987 May-Jun;31(3):226-34

Current concepts of intraepithelial neoplasia in the uterine cervix (CIN). Koss LG. **Appl Pathol** 1987;5(1):7-18 (55 ref.)

Precancerous lesions of the cervix. Personal risk factors. Lovejoy NC. **Cancer Nurs** 1987 Feb;10(1):2-14 (101 ref.)

Effects of separate and combined treatments with gamma radiation and diethylnitrosamine in neonatal rats on the induction of altered hepatocyte foci and hepatic tumors. Peraino C, et al. **Carcinogenesis** 1987 Apr;8(4):599-600

Enhancement of DEN-induced hepatocellular nodule development by Opisthorchis viverrini infection in Syrian golden hamsters. Thamavit W, et al. **Carcinogenesis** 1987 Sep;8(9):1351-3

Urinary N-nitrosoproline excretion: a further evaluation of the nitrosamine hypothesis of gastric carcinogenesis in precancerous conditions. Hall CN, et al. **Gut** 1987 Feb; 28(2):216-20

Hot maté drinking and precancerous lesions of the oesophagus: an endoscopic survey in southern Brazil. Muñoz N, et al. **Int J Cancer** 1987 Jun 15;39(6):708-9

Relative contribution of dietary protein level and aflatoxin B1 dose in generation of presumptive preneoplastic foci in rat liver. Dunaif GE, et al. **JNCI** 1987 Feb;78(2):365-9

Faecal bile acids, dysplasia, and carcinoma in ulcerative colitis. Hill MJ, et al. **Lancet** 1987 Jul 25;2(8552):185-6

Colon cancer, dysplasia, and surveillance in patients with ulcerative colitis. A critical review. Collins RH Jr, et al. **N Engl J Med** 1987 Jun 25;316(26):1654-8 (49 ref.)

The effects of dietary fat and selenium on the development of preneoplastic lesions in rat liver. Baldwin S, et al.
Nutr Cancer 1986;8(4):273-82

Oral cancer and smokeless tobacco. Elzay RP. **Va Med** 1987 Feb;114(2):84-90

[Study of precancerous changes in the rat pleural mesothelium following exposure to asbestos using scanning electron microscopy] Vasil'eva LA, et al. **Eksp Onkol** 1986; 8(4):34-7 (Eng. Abstr.) **(Rus)**

[Epidemiology of dyshormonal diseases and malignant tumors of the breast] Ismailov AKh. **Khirurgiia (Mosk)** 1986 Sep;(9):31-3 (Eng. Abstr.) **(Rus)**

[Pathogenesis of Manganotti's abrasive precancerous cheilitis] Aldemirov AA. **Vestn Dermatol Venerol** 1986;(11):48-50 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Chromosome abnormalities in AIDS-associated lymphadenopathy. Alonso ML, et al. **Blood** 1987 Mar; 69(3):855-8

Expression of albumin messenger RNA detected by in situ hybridization in preneoplastic and neoplastic lesions in rat liver. Schwarz M, et al. **Cancer Res** 1986 Nov; 46(11):5903-12

Hypertetraploid cells in vocal cord epithelia. Olofsson J, et al. **Clin Otolaryngol** 1986 Oct;11(5):345-51

Genodermatoses with malignant potential. Mallory SB, et al. **Dermatol Clin** 1987 Jan;5(1):221-30 (54 ref.)

Expression of c-myc in non-malignant and pre-malignant gastrointestinal disorders. Ciclitira PJ, et al. **J Pathol** 1987 Apr;151(4):293-6

Mitomycin C induced chromosomal aberrations and sister chromatid exchanges (SCEs) in lymphocytes of patients with precancerous and cancerous lesions of the uterine cervix. Murty VV, et al. **Neoplasma** 1987;34(1):101-5

IMMUNOLOGY

Cancer-associated alterations of blood group antigen expression in human colorectal polyps. Itzkowitz SH, et al. **Cancer Res** 1986 Nov;46(11):5976-84

Expression of LeY and extended LeY blood group-related antigens in human malignant, premalignant, and nonmalignant colonic tissues. Kim YS, et al.
Cancer Res 1986 Nov;46(11):5985-92

The expression of cell surface MHC class I heavy and light chain molecules in pre-malignant and malignant lesions of the oral mucosa. Prime SS, et al. **Histopathology** 1987 Jan; 11(1):81-91

Serum immunoglobulins of women with precancerous and cancerous lesions of uterine cervix. Sharma BK, et al.
Indian J Cancer 1985 Sep;22(3):178-81

Circulating immunoglobulin secreting cells in patients in the premyelomatous state. Shimizu K.
Nippon Ketsueki Gakkai Zasshi 1986 Dec;49(8):1757-65

[Keratin expression in preneoplastic lesions of the bronchial mucosa] Hrazdilek B, et al. **Verh Dtsch Ges Pathol** 1986; 70:300-3 (Eng. Abstr.) **(Ger)**

[Immunocompetence and malignant degeneration of precancerous diseases of the ENT organs] Iudov NN, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):71 **(Rus)**

[Characteristics of immunologic disorders in patients with precancerous conditions and cancer of the larynx] Shtil' AA, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):75-8 (Eng. Abstr.) **(Rus)**

METABOLISM

Biological markers characterizing the development of preneoplastic and neoplastic lesions in rodent liver. Beer DG, et al. **Arch Toxicol [Suppl]** 1987;10:68-80 (50 ref.)

Elevated production of growth factor by human premalignant colon adenomas and a derived epithelial cell line. Wigley CB, et al. **Br J Cancer** 1986 Nov;54(5):799-805

Increased production of fibronectin by fibroblasts from pre-cancerous scars. Igisu K. **Br J Dermatol** 1987 Jan; 116(1):79-86

Premalignant alterations in the glycosphingolipid composition of colonic epithelial cells of rats treated with 1,2-dimethylhydrazine. Dahiya R, et al. **Cancer Res** 1987 Feb 15;47(4):1031-5

Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954–8

Coordinate polypeptide expression during hepatocarcinogenesis in male F–344 rats: comparison of the Solt–Farber and Reddy models. Wirth PJ, et al. **Cancer Res** 1987 Jun 1;47(11):2839–51

Autoradiographic studies on in vivo covalent binding of N–hydroxy–2–acetylaminofluorene in rat liver containing gamma–glutamyltranspeptidase–positive foci. The effect of the sulfation–inhibitor pentachlorophenol. Kroese ED, et al. **Carcinogenesis** 1987 Apr;8(4):571–5

Uptake of taurocholate by isolated gamma–glutamyltranspeptidase positive, putatively preneoplastic hepatocytes from 2–acetylaminofluorene treated rats. Lebsanft J, et al. **Carcinogenesis** 1986 Nov; 7(11):1925–6

Serial observations of colonic carcinogenesis in the rat. Premalignant mucosa binds Ulex europeus agglutinin. Shioda Y, et al. **Gastroenterology** 1987 Jan;92(1):1–12

Sulfation of N–hydroxy–2–acetylaminofluorene in normal and nodular liver from male Wistar rats. Blanck A, et al. **Toxicol Pathol** 1987;15(1):103–5

HMP–shunt and cholesterol metabolism in experimental models involving normal and preneoplastic liver growth. Columbano A, et al. **Toxicol Pathol** 1987;15(1):43–50

New data on kinetics of lipid peroxidation in experimental hepatomas and preneoplastic nodules. Dianzani MU, et al. **Toxicol Pathol** 1986;14(4):404–10

Metabolism of xenobiotics in hepatocyte nodules. Eriksson LC, et al. **Toxicol Pathol** 1987;15(1):27–42 (92 ref.)

The variations of S–adenosyl–L–methionine content modulate hepatocyte growth during phenobarbital promotion of diethylnitrosamine–induced rat liver carcinogenesis. Feo F, et al. **Toxicol Pathol** 1987; 15(1):109–14

MICROBIOLOGY

Multicentric human papillomavirus infections of the female genital tract: correlation of viral types with abnormal mitotic figures, colposcopic presentation, and location. Bergeron C, et al. **Obstet Gynecol** 1987 May;69(5):736–42

Assessment of precancerous lesions of the uterine cervix for evidence of human papillomavirus infection: a histological and immunohistochemical study. Sterrett GF, et al. **Pathology** 1987 Jan;19(1):84–90

OCCURRENCE

Serum selenium and the risk of cancer, by specific sites: case–control analysis of prospective data. Nomura A, et al. **JNCI** 1987 Jul;79(1):103–8

Incidence of squamous metaplasia in large bronchi of Japanese lungs: relation to pulmonary carcinomas of various subtypes. Tsuchiya E, et al. **Jpn J Cancer Res** 1987 Jun;78(6):559–64

[Computer–assisted screening for cervical carcinoma—the results for a 10–year period] Neumann HG, et al. **Arch Geschwulstforsch** 1987;57(2):129–39 (Eng. Abstr.) **(Ger)**

[Results of examining the population in a region with high morbidity for oral mucosal cancer: precancerous changes] Zaridze DG, et al. **Vopr Onkol** 1987;33(2):38–41 (Eng. Abstr.) **(Rus)**

[Prevalence of preclinical lesions of the cervix uteri] Dabancens A. **Rev Med Chil** 1986 Jun;114(6):586–90 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Intraepithelial neoplasia in the anal canal. The appearance and relation to genital neoplasia. Fenger C, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep; 94(5):343–9

The significance of preneoplastic liver lesions in experimental animals. Williams GM. **Adv Vet Sci Comp Med** 1987; 31:21–44 (152 ref.)

Koilocytosis preceding squamous cell carcinoma in situ of uterine cervix. Mittal KR, et al. **Am J Clin Pathol** 1987 Feb;87(2):243–5

Significance of keratosis and dyskeratosis for classifying hyperplastic aberrations of laryngeal mucosa. Kambič V, et al. **Am J Otolaryngol** 1986 Sep–Oct;7(5):323–33

Endoscopic surveillance for patients with Barrett esophagus: does the cancer risk justify the practice? Spechler SJ. **Ann Intern Med** 1987 Jun;106(6):902–4

Is 'fibrocystic disease' of the breast precancerous? **Arch Pathol Lab Med** 1986 Mar;110(3):171–3

Is fibrocystic disease of the breast precancerous? [letter] Godfrey SE. **Arch Pathol Lab Med** 1986 Nov;110(11):991

Liver cell dysplasia and hepatocellular carcinoma in non–A, non–B hepatitis. Lefkowitch JH, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):170–3

Endocrine cells and lysozyme immunoreactivity in the gallbladder. Yamamoto M, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):920–7

Nuclear DNA analysis of koilocytic and premalignant lesions of the uterine cervix. Hughes RG, et al. **Br Med J** 1987 Jan 31;294(6567):267–9

The significance of colonic mucosa (intestinal metaplasia) involving the urinary tract. Bullock PS, et al. **Cancer** 1987 Jun 15;59(12):2086–90

Bone sarcomas associated with Ollier's disease. Liu J, et al. **Cancer** 1987 Apr 1;59(7):1376–85

Topographic study of cervical condyloma and intraepithelial neoplasia. Saito K, et al. **Cancer** 1987 Jun 15;59(12):2064–70

Preneoplastic and neoplastic growth of xenotransplanted lung–derived human cell lines using deepithelialized rat tracheas. Baba M, et al. **Cancer Res** 1987 Jan 15;47(2):573–8

Terminal differentiation–resistant epidermal cells in mice undergoing two–stage carcinogenesis [published erratum appears in Cancer Res 1987 Sep 1;47(17):4752] Miller DR, et al. **Cancer Res** 1987 Apr 1;47(7):1935–40

Development of prelymphoma cells committed to thymic lymphomas during radiation–induced thymic lymphomagenesis in B10 mice. Muto M, et al. **Cancer Res** 1987 Jul 1;47(13):3469–72

Differentiation, dedifferentiation, and transdifferentiation of BALB/c 3T3 T mesenchymal stem cells: potential significance in metaplasia and neoplasia. Sparks RL, et al. **Cancer Res** 1986 Oct;46(10):5312–9

Progression in hepatocarcinogenesis: differences in growth and behavior of transplants of early and later hepatocyte nodules in the rat spleen. Tatematsu M, et al. **Cancer Res** 1987 Sep 1;47(17):4699–705

Simple elementary method for the quantification of focal liver lesions induced by carcinogens. Enzmann H, et al. **Carcinogenesis** 1987 Feb;8(2):231–5

A cytological comparison between regeneration, hyperplasia and early neoplasia in the rat liver. Styles JA, et al. **Carcinogenesis** 1987 Mar;8(3):391–9

Preinvasive lesions of the endometrium. Norris HJ, et al. **Clin Obstet Gynaecol** 1986 Dec;13(4):725–38

Malignant tumours in patients with non–invasive squamous cell lesions of the vocal cords. Lundgren J, et al. **Clin Otolaryngol** 1987 Feb;12(1):39–43

Clinical features of premalignant and malignant mucosal disease of the oral cavity. Vincent SD. **Compr Ther** 1987 Jun;13(6):61–6

Morphologic relationships between thyroid carcinoma and associated thyroid lesions in thyroidectomized patients. Comparison between 60 malignancies and 40 non–malignant goiters. Dumitriu L, et al. **Endocrinologie** 1987 Jan–Mar;25(1):25–39

Dysplasia–carcinoma sequence, types of adenomas and early colo–rectal carcinoma. Hermanek P. **Eur J Surg Oncol** 1987 Apr;13(2):141–3

Value of in vivo mucosa–staining test with methylene blue in the diagnosis of pretumoral and tumoral lesions of the bladder. Vicente J, et al. **Eur Urol** 1987;13(1–2):15–6

Barrett's esophagus. Correlation between flow cytometry and histology in detection of patients at risk for adenocarcinoma. Reid BJ, et al. **Gastroenterology** 1987 Jul; 93(1):1–11

Association of human papillomavirus infection and vulvar intraepithelial neoplasia: a morphological and immunohistochemical study of 30 cases. Rueda–Leverone NG, et al. **Gynecol Oncol** 1987 Mar;26(3):331–9

Morphological precursors of hepatocellular carcinoma: a morphometrical analysis. Giannini A, et al. **Hepatogastroenterology** 1987 Jun;34(3):95–7

Preneoplastic lesions of human liver. Karhunen PJ, et al. **Hepatogastroenterology** 1987 Feb;34(1):10–5

Severely atypical changes in renal epithelium in biopsy and graft nephrectomy specimens in two cases of cadaver renal transplantation. Mittal BV, et al. **Histopathology** 1987 Aug; 11(8):833–41

Cancer risk assessment in benign breast biopsies. Page DL. **Hum Pathol** 1986 Sep;17(9):871–4

Is 'fibrocystic disease' of the breast precancerous? A consensus report from the College of American Pathologists. **Indiana Med** 1986 Sep;79(9):753–4

Gastric cancer in chronic atrophic gastritis. Associated gastric ulcer adds no further risk. Testoni PA, et al. **J Clin Gastroenterol** 1987 Jun;9(3):298–302

Morphometric analysis of basal cell layer in oral premalignant white lesions and squamous cell carcinoma. Shabana AH, et al. **J Clin Pathol** 1987 Apr;40(4):454–8

A papillary–verrucous lesion in the gingiva, developing into squamous cell carcinoma. Helldén L, et al. **J Clin Periodontol** 1987 Jan;14(1):56–61

Ultrastructural appearances of preneoplastic liver nodules induced through sequential treatment in rats. Pesce C, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):9–15

Squamous cell hyperplasia of the larynx (a clinical follow–up study). Kalter PO, et al. **J Laryngol Otol** 1987 Jun; 101(6):579–88

Phenotypic identification of mononuclear cells in oral premalignant lesions and cancer by monoclonal antibodies. Migliorati CA, et al. **J Oral Pathol** 1986 Jul;15(6):352–8

Gastric dysplasia: a stereological and morphometrical assessment. Tosi P, et al. **J Pathol** 1987 Jun;152(2):83–94

Enhancement of tumorigenicity with morphological progression in a BALB/c preneoplastic outgrowth line. Medina D, et al. **JNCI** 1987 Sep;79(3):569–76

Pathologic anatomy and patterns of occurrence of hepatic neoplasms, putative preneoplastic lesions, and other idiopathic hepatic conditions in English sole (Parophrys vetulus) from Puget Sound, Washington. Myers MS, et al. **JNCI** 1987 Feb;78(2):333–63 (156 ref.)

Immunohistochemical demonstration of pyloric gland–type cells with low–pepsinogen isozyme 1 in preneoplastic and neoplastic tissues of rat stomachs treated with N–methyl–N'–nitro–N–nitrosoguanidine. Tatematsu M, et al. **JNCI** 1987 Apr;78(4):771–7

Transplantation of putative preneoplastic hepatocytes of analbuminemic rats in the livers of Sprague–Dawley x analbuminemic hybrid rats. Yokota K, et al. **Jpn J Cancer Res** 1987 Feb;78(2):109–12

The effects of a "low–risk" diet on cell proliferation and enzymatic parameters of preneoplastic rat colon. Goettler D, et al. **Nutr Cancer** 1987;10(3):149–62

Quantitative deoxyribonucleic acid analysis of patients with mild cervical atypia: a potentially malignant lesion? Watts KC, et al. **Obstet Gynecol** 1987 Aug;70(2):205–7

Preinvasive lesions of the upper aerodigestive tract: histologic definitions and clinical implications (a symposium). Crissman JD, et al. **Pathol Annu** 1987;22 Pt 1:311–52

Cell atypia profiles for monitoring preneoplastic changes in pulmonary squamous cell carcinogenesis. Swank PR, et al. **Pathol Immunopathol Res** 1986;5(1):47–53

The ultrastructural heterogeneity of potentially preneoplastic lesions in the human bronchial mucosa. Gonzalez S, et al. **Pathol Res Pract** 1986 Aug;181(4):408–17

Premalignant epithelial lesions of the gall–bladder [letter] Penman HG. **Pathology** 1986 Apr;18(2):268

Small and giant congenital melanocytic nevi as precursors to melanoma in children and adults. Illig L. **Pediatr Pol** 1986 Aug;61(8):475–83

Problems of melanoma developing from common acquired nevi. Paul E. **Pediatr Pol** 1986 Aug;61(8):491–9

Cytology of condyloma of the uterine cervix. Saigo PE. **Semin Diagn Pathol** 1986 Aug;3(3):204–10

Inhibition by dehydroepiandrosterone of liver preneoplastic foci formation in rats after initiation–selection in experimental carcinogenesis. Garcea R, et al. **Toxicol Pathol** 1987;15(2):164–9

Transplantation of preneoplastic rat hepatocytes by intraportal injection. Saeter G, et al. **Toxicol Pathol** 1987; 15(1):78–81

Sexually transmitted papillomaviral infections in the male: I. Anatomic distribution and clinical features. Rosemberg SK, et al. **Urology** 1987 May;29(5):488–92

Correlative histochemical studies on preneoplastic and neoplastic lesions in the kidney of rats treated with nitrosamines. Tsuda H, et al. **Virchows Arch [B]** 1986; 51(5):385–404

[A preliminary study on the development of altered cells in different liver cell subpopulations of diethylnitrosamine–treated rats] Ding L. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):17–21 (Eng. Abstr.) **(Chi)**

[The borderline serous tumor of the ovary] Yang SE. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):65–8 (Eng. Abstr.) **(Chi)**

[Gastric mucosal dysplasia in precursors of gastric cancer] Zhang PF. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):236–8 (15 ref.) **(Chi)**

[Malignant changes in laryngeal precanceroses] Pellant A, et al. **Cesk Otolaryngol** 1986 Jul;35(4):238–45 (Eng. Abstr.) **(Cze)**

[Mastocytes in the process of cancerogenesis. I.Study of experimental model systems] Pastrňák A, et al. **Cesk Patol** 1986 Nov;22(4):210–3 (Eng. Abstr.) **(Cze)**

[Mastocytes in the process of cancerogenesis. II. Precancerous conditions and carcinomas of the uterine cervix] Pastrňák A, et al. **Cesk Patol** 1986 Nov;22(4):214–6 (Eng. Abstr.) **(Cze)**

[Protocol following the evaluation of Pap class IIIA in mass screening for cervix carcinoma] Appelman CL, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1844–7 (Eng. Abstr.) **(Dut)**

[Protocol in Pap–class IIIA] Lammes FB, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1829–30 **(Dut)**

[Endometrial carcinoma and their precursors] Philippe E, et al. **Rev Fr Gynecol Obstet** 1987 May;82(5):331–5 (Eng. Abstr.) **(Fre)**

[Clinical and pathomorphologic studies of the precancerous significance and prognostic assessment of epithelial changes in the vulva] Eibach HW, et al. **Geburtshilfe Frauenheilkd** 1986 Aug;46(8):495–500 (Eng. Abstr.) **(Ger)**

[Immunocytochemical detection of involucrin in precancerous and cancerous non–pigmented conjunctival tumors] Holbach L, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):128–32 (Eng. Abstr.) **(Ger)**

[Precancerous conditions of the digestive system: true risk or a paper tiger? The esophagus] Miller G, et al. **Leber Magen Darm** 1987 Apr;17(2):80–3 (Eng. Abstr.) **(Ger)**

[Small intestine adenomas—a precancerous condition? Analysis of a literature review] Sellner F. **Med Klin** 1986 Jul 18;81(15–16):520–3 (Eng. Abstr.) **(Ger)**

[Proliferating tricholemmal cysts. A possible preliminary stage of the pilar tumor of the scalp] Janitz J, et al. **Pathologe** 1987 Jul;8(4):217–20 **(Ger)**

[Preliminary and early stages of malignant lymphomas] Wilms K. **Verh Dtsch Ges Inn Med** 1986;92:89–98 **(Ger)**

[Melanoma precursors—risk nevi] Pehamberger H. **Wien Klin Wochenschr** 1987 Jun 26;99(13):441–5 (13 ref.) **(Ger)**

[Macrophotographic correlates of the histology of precursor nevi and SSM in relation to the McGovern model] Haas N, et al. **Z Hautkr** 1986 Nov 1;61(21):1535–42 (Eng. Abstr.) **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 1. The epithelial structure of the transitional zone of the larynx] Goertchen R, et al. **Zentralbl Allg Pathol** 1986;131(6):541–6 (Eng. Abstr.) **(Ger)**

[Morphometric analysis of fibrocystic breast disease] Guski H, et al. **Zentralbl Allg Pathol** 1986;132(4):293–300 (Eng. Abstr.) **(Ger)**

[Clinical pathology of chronic hyperplastic laryngitis. 2. Clinical, morphological and statistical studies with special reference to precancerous changes] Stosiek P, et al. **Zentralbl Allg Pathol** 1986;132(3):267–76 (Eng. Abstr.) **(Ger)**

[Clinical significance of the adenoma–carcinoma sequence. Results of a retrospective study] Schlenkhoff D, et al. **Zentralbl Chir** 1986;111(18):1100–8 (Eng. Abstr.) **(Ger)**

[Preliminary stages of endometrial cancer] Büttner HH. **Zentralbl Gynakol** 1987;109(7):420–4 (Eng. Abstr.) **(Ger)**

[Histologic classification of breast cancer and its precancerous stages] Nizze H. **Zentralbl Gynakol** 1987; 109(1):3–14 (Eng. Abstr.) **(Ger)**

[Early diagnosis of cutaneous melanoma and its precursors. Importance of the clinical characteristics of thin melanoma] Cristofolini M, et al. **Minerva Med** 1986 Sep 29; 77(37):1673–8 (Eng. Abstr.) **(Ita)**

[Epithelial dysplasias of the gallbladder] Genova G, et al. **Pathologica** 1985 Sep–Oct;77(1051):479–85 (Eng. Abstr.) **(Ita)**

[Precursors of cutaneous melanoma. Background and up-date of dysplastic nevus] Urso C, et al. **Recenti Prog Med** 1986 Nov;77(11):541–6 (32 ref.) (Eng. Abstr.) **(Ita)**

[Epithelial lesion adjacent to esophageal cancer and its early neoplastic transformation] Xian MS, et al. **Gan No Rinsho** 1987 Jun;33(6):643–50 **(Jpn)**

[Possibilities for defining dysplastic changes in the gastric mucosa during cytologic studies of gastric biopsies] Lukina TA, et al. **Arkh Patol** 1987;49(1):32–7 (Eng. Abstr.) **(Rus)**

[A case of unilateral Mibelli's porokeratosis with transformation into squamous cell carcinoma] Rychenkov VM, et al. **Vestn Dermatol Venerol** 1987;(2):65–6 (Eng. Abstr.) **(Rus)**

[Epithelial dysplasia in gastric stump mucosa in patients with resection in relation to other clinical signs of disease] Pašić F, et al. **Med Pregl** 1986;39(9–10):425–30 (Eng. Abstr.) **(Scr)**

[Celiac disease and intestinal adenocarcinoma] Hebrero San Martin J, et al. **Rev Esp Enferm Apar Dig** 1986 Nov; 70(5):449–52 (Eng. Abstr.) **(Spa)**

[Precancerous lesions of invasive carcinoma of the gallbladder] Smok G, et al. **Rev Med Chil** 1986 Oct; 114(10):954–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Colonic epithelial impedance analysis in a murine model of large-bowel cancer. Davies RJ, et al. **Arch Surg** 1986 Nov; 121(11):1253–8

Changes in nucleolar transcriptional activity and nuclear DNA content during the first steps of rat hepatocarcinogenesis. Deleener A, et al. **Carcinogenesis** 1987 Feb;8(2):195–201

PREVENTION & CONTROL

Ethoxyquin alone induces preneoplastic changes in rat kidney whilst preventing induction of such lesions in liver by aflatoxin B1. Manson MM, et al. **Carcinogenesis** 1987 May; 8(5):723–8

Cancer precursors and their control by BCG. Rosenthal SR. **Dev Biol Stand** 1986;58 (Pt A):401–16

The value of endometrial cytology by scraping in 1,798 cases: screening in asymptomatic women and diagnosis in symptomatic ones. Porrazzi LC, et al. **Diagn Cytopathol** 1987 Jun;3(2):112–20

[Improvement of the care of women with precancerous conditions—our main task] Kaňka J. **Cesk Gynekol** 1987 May;52(4):326–8 **(Cze)**

[Detection of precancerous pathology and cancer of the esophagus in mass screening of the population] Khodzhaeva MKh. **Grudn Khir** 1986 Sep–Oct;(5):66–70 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiographic appearance of mucosal dysplasia associated with ulcerative colitis. Hooyman JR, et al. **AJR** 1987 Jul; 149(1):47–51

Non-malignant chest x ray changes in patients with mesothelioma in a large cohort of asbestos insulation workers. Lilis R, et al. **Br J Ind Med** 1987 Jun;44(6):402–6

SURGERY

Subcutaneous mastectomy, indications and techniques. Matton G, et al. **Acta Chir Belg** 1987 Mar–Apr;87(2):120–8

The results of cryosurgical treatment of cervical intraepithelial neoplasia at one, five, and ten years. Benedet JL, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):268–73

Carcinoma of the penis. Persky L, et al. **CA** 1986 Sep–Oct; 36(5):258–73

Colo-rectal cancer, the prophylactic effect of polypectomy. Fasching W. **Eur J Surg Oncol** 1987 Apr;13(2):151–2

Premalignant epithelial lesions of the gall-bladder [letter] Ojeda VJ, et al. **Pathology** 1987 Jan;19(1):103

[The effect of cryosurgery on premalignant lesions of hamster cheek pouch mucosa] He ZQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):206–8, 253 (Eng. Abstr.) **(Chi)**

[Indications and technics in the surgical treatment of premalignant and minimally malignant breast disorders] Uyttenbroeck F. **Verh K Acad Geneeskd Belg** 1986; 48(3):163–86 (Eng. Abstr.) **(Dut)**

[Subcutaneous mastectomy. Indications and surgical technics] Bouquet de Jolinière J, et al. **Rev Fr Gynecol Obstet** 1987 Jun;82(6):397–402, 405–7 (36 ref.) (Eng. Abstr.) **(Fre)**

[Preventive surgical indications in precancerous conditions of the gastrointestinal tract] Gall FP, et al. **Chirurg** 1987 Apr;58(4):228–33 **(Ger)**

[Preventive surgical indications in breast surgery] Olbrisch RR. **Chirurg** 1987 Apr;58(4):234–8 **(Ger)**

[Barrett esophagus as a precancerous condition] Siewert JR, et al. **Langenbecks Arch Chir** 1986;369:217–23 (Eng. Abstr.) **(Ger)**

[Usefulness of cryosurgery in preneoplastic and neoplastic pathology of the head and neck region] Scala M, et al. **Minerva Chir** 1987 Mar 15;42(5):369–77 (Eng. Abstr.) **(Ita)**

[Laser treatment of premalignant cervical diseases] Kirschner R. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):155–7 (Eng. Abstr.) **(Nor)**

[Organ-sparing methods of surgical treatment of precancerous conditions and early cancer of the breast] Nowicki A, et al. **Wiad Lek** 1986 Dec 1;39(23):1628–31 **(Pol)**

[Treatment of precancerous conditions and cancer of the vulva] Opacki W, et al. **Wiad Lek** 1987 Mar 15;40(6):380–2 (Eng. Abstr.) **(Pol)**

[Periareolar approach in sectorial resection of the breast] Adamian AT, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):29–31 (Eng. Abstr.) **(Rus)**

[Experience using cryodestruction in treating precancerous diseases and tumors of the oral mucosa] Khatskevich GA, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):51–3 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Endocrine cells in adenocarcinomas and their prestages in the glandular stomach and duodenum of rats after MNNG administration. Histochemical, electron microscopical and radioimmunological studies. Jonas L, et al. **Acta Histochem (Jena)** 1986;80(2):197–204

Scanning electron microscopic study of precancerous and cancerous pancreatic lesions induced by N-nitrosobis (2-oxopropyl) amine in Syrian golden hamsters. Naito Z, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1359–66

Ultrastructural study of glycogen containing cells in colonic adenocarcinomas and precancerous polypoid lesions. Tormo B, et al. **Arch Geschwulstforsch** 1987;57(1):39–46

Ultrastructure of preneoplastic lesions of the vulva. Stegner HE. **J Reprod Med** 1986 Sep;31(9):815–20

VETERINARY

Controlling ocular squamous cell carcinoma in Hereford cattle. Sloss V, et al. **Aust Vet J** 1986 Aug;63(8):248–51

Hyperplastic and neoplastic alterations in the livers of white perch (Morone americana) from the Chesapeake Bay. May EB, et al. **JNCI** 1987 Jul;79(1):137–43

Histochemical and proliferative changes preceding the onset of spontaneous gastric adenocarcinoma in Mastomys natalensis. Tielemans Y, et al. **Virchows Arch [A]** 1987; 411(3):275–81

PRECEPTORSHIP

Adult learning principles. Applications for preceptor programs. Ammon-Gaberson KB. **AORN J** 1987 Apr; 45(4):961–3

Orientation made easy. Using preceptors and skills checklists. Davis JL. **AORN J** 1987 Apr;45(4):951–9

Specialist training and the GMC [letter] Brearley S. **Br J Hosp Med** 1987 May;37(5):469

Pre-licensure and other professional concerns. Schwartz A. **Can Dent Assoc J** 1986 Sep;52(9):749–50

Preparing dental hygiene students for community dental health—an interagency approach. Zier B, et al. **Can Dent Assoc J** 1987 Mar;53(3):187–9

Longitudinal teaching of obstetrics in family practice residency programs. Petry LJ, et al. **Fam Med** 1987 May–Jun;19(3):195–9

The University of Limburg family practice preceptorship programme. Bouhuijs PA. **Fam Pract** 1986 Dec;3(4):251–8

Mentoring relationships in the careers of mental health administrators. Ochberg RL, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):939–41

Student clinicians. Dentistry's future. **J Am Dent Assoc** 1987 Feb;114(2):152–63

Extramural education programs in the '80s. Born DO, et al. **J Dent Educ** 1986 Dec;50(12):731–3

Physicians' assessments of a rural preceptorship and its influence on career choice and practice site. Chaulk CP, et al. **J Med Educ** 1987 Apr;62(4):349–51

A comparison of role conceptions and role deprivation of baccalaureate students in nursing participating in a preceptorship or a traditional clinical program. Itano JK, et al. **J Nurs Educ** 1987 Feb;26(2):69–73

STANDARDS

Medical resident education. A cross-sectional study of the influence of the ambulatory preceptor as a role model. Quill TE. **Arch Intern Med** 1987 May;147(5):971–3

PRECIPITATION

Selective removal of low density lipoproteins (LDL) by precipitation at low pH: first clinical application of the HELP system. Eisenhauer T, et al. **Klin Wochenschr** 1987 Feb 16;65(4):161–8

Hypocryoglobulins: a method to increase cryoprecipitation. Chiarinotti D, et al. **Ric Clin Lab** 1986 Apr–Jun; 16(2):349–55

Cryoprecipitation. In vitro studies on fibronectin as an independent cryoprecipitagogue. Ferraccioli G. **Ric Clin Lab** 1986 Apr–Jun;16(2):315–20

Fibronectin and cryoprecipitation. Garelli S, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):321–6

METHODS

Influence of the primary anticoagulant on the recovery of factor VIII in cryoprecipitate. de Wit HJ, et al. **Vox Sang** 1986;51(3):172–5

PRECIPITIN TESTS

[The flocculation-agglutination test in capillaries in the serologic diagnosis of typhoid fever in children] Alvarado-Alemán FJ, et al. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):74–80 (Eng. Abstr.) **(Spa)**

PRECIPITINS

ANALYSIS

A trivalent antigen for the detection of type I avian adenovirus precipitin. Cowen BS. **Avian Dis** 1987 Apr–Jun; 31(2):351–4

Further studies on the alpha-precipitins of the Atlantic salmon (Salmo salar). Alexander JB, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):69–74

[Clinical and allergological studies on the PIE syndrome of unknown cause—significance of precipitating antibodies against fungi] Kino T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):668–74 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Snailine: a possible diagnostic reagent from a common marine snail, the southern periwinkle, Littorina angulifera. Smith AC. **Dev Comp Immunol** 1986 Fall;10(4):489–96

IMMUNOLOGY

Interactions between precipitating and nonprecipitating antibodies in the formation of immune complexes. Cosio FG, et al. **J Immunol** 1987 Apr 15;138(8):2587–92

Characterization of human autoantibodies that selectively precipitate the 7SL RNA component of the signal recognition particle. Okada N, et al. **J Immunol** 1987 May 15;138(10):3219–23

[Oncoprecipitins—a new class of substances specifically reacting with the carcinoembryonic antigen] Ovodov IuS, et al. **Dokl Akad Nauk SSSR** 1987;293(4):1009–10 **(Rus)**

PREDATORY BEHAVIOR see under **APPETITIVE BEHAVIOR**

PREDIABETIC STATE

BLOOD

Lipoprotein patterns in nondiabetic, borderline diabetic, and diabetic Macaca nigra. Howard CF Jr, et al. **Atherosclerosis** 1987 Jan;63(1):75–84

[Glycosylated hemoglobin in the presence of abnormal glucose tolerance] Kudriakova SV, et al. **Sov Med** 1987; (6):22–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Early diagnosis of carbohydrate metabolism disorders in patients with essential hypertension] Ruiatkina LA, et al. **Klin Med (Mosk)** 1987 Mar;65(3):113–8 (Eng. Abstr.) **(Rus)**

[Study of glucose in tears during ambulatory care of patients with diabetes mellitus and prediabetes] Balteriakova LS, et al. **Oftalmol Zh** 1987;(2):112–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lymphocyte subsets and activation in prediabetes. Hitchcock CL, et al. **Diabetes** 1986 Dec;35(12):1416–22

Insulin autoantibodies during the prediabetic period [letter] Wilkin TJ, et al. **Diabetologia** 1986 Oct;29(10):752–3

PHYSIOPATHOLOGY

Pre-hyperglycemic diabetes mellitus. Soeldner JS, et al. **Clin Chem** 1986 Oct;32(10 Suppl):B7–18 (30 ref.)

PREDICTIVE VALUE OF TESTS

see related
FALSE NEGATIVE REACTIONS
FALSE POSITIVE REACTIONS

The clinical value of tumour markers [editorial] Roberts PJ. **Ann Chir Gynaecol** 1986;75(5):247–8

Clinical prediction rules for computed tomographic scanning in senile dementia. Martin DC, et al. **Arch Intern Med** 1987 Jan;147(1):77–80

Predicting the safety of medicines from animal toxicity tests. I. Rodents alone. Lumley CE, et al. **Arch Toxicol [Suppl]** 1987;11:295–9

Predicting the safety of medicines from animal toxicity tests. II. Rodents and non-rodents. Lumley CE, et al. **Arch Toxicol [Suppl]** 1987;11:300–4

Predictive tests for occupational allergies. Parish WE. **Arch Toxicol [Suppl]** 1987;11:177–81

Development and testing of scoring systems for predicting infants with high-risk of sudden infant death syndrome in Melbourne. Cameron MH, et al. **Aust Paediatr J** 1986;22 Suppl 1:37–45

Proteinuria: value as predictor of cardiovascular mortality in insulin dependent diabetes mellitus. Borch-Johnsen K, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1651–4

Evaluation of prognostic indices based on hemodynamic and oxygen transport variables in shock patients with adult respiratory distress syndrome. Hankeln KB, et al. **Crit Care Med** 1987 Jan;15(1):1–7

Applying the acute ischemic heart disease predictive instrument. Corey GA, et al. **J Fam Pract** 1987 Aug; 25(2):127–33

Are all significant P values created equal? The analogy between diagnostic tests and clinical research. Browner WS, et al. **JAMA** 1987 May 8;257(18):2459–63

Workup bias in prediction research. Panzer RJ, et al. **Med Decis Making** 1987 Apr–Jun;7(2):115–9

Intermediate, indeterminate, and uninterpretable diagnostic test results. Simel DL, et al. **Med Decis Making** 1987 Apr–Jun;7(2):107–14

A clinical trial of the Braden Scale for Predicting Pressure Sore Risk. Bergstrom N, et al. **Nurs Clin North Am** 1987 Jun;22(2):417–28

The Braden Scale for Predicting Pressure Sore Risk. Bergstrom N, et al. **Nurs Res** 1987 Jul–Aug;36(4):205–10

Short- and long-term prediction of self-reported cigarette smoking in a cohort of late adolescents: report of an 8-year follow-up of public school students. Pederson LL, et al. **Prev Med** 1987 May;16(3):432–47

The predictive value of cholesterol in young men for an elevated cholesterol ten to twelve years later. Barzilay J, et al. **Public Health** 1986 Jul;100(4):223–8

Biases in the assessment of diagnostic tests. Begg CB. **Stat Med** 1987 Jun;6(4):411–23

Predictive value of sputum cytology. Benbassat J, et al. **Thorax** 1987 Mar;42(3):165–72

[The predictive value of a diagnostic test or clinical signs] Höschl C, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1297 **(Cze)**

[Epidesmiology of minor electrocardiographic anomalies predictive of the occurrence of ischemic cardiopathy] Briançon S, et al. **Arch Mal Coeur** 1986 Nov;79(12):1732–8 (Eng. Abstr.) **(Fre)**

[What is a normal result?] Kauffmann F. **Rev Epidemiol Sante Publique** 1986;34(6):427–35 **(Fre)**

[Clinical decision making. Quantitative approach to diagnostic and therapeutic problems in obstetrics] Guaschino S, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr;108(2):102–7 (Eng. Abstr.) **(Ita)**

[A score for detecting postoperative pulmonary complications, and its validity] Yasumoto K, et al. **Masui** 1986 Jul;35(7):1083–92 (Eng. Abstr.) **(Jpn)**

PREDNIMUSTINE see under **CHLORAMBUCIL**

PREDNISOLONE

Pathological changes in HPCD pigs with prednisolone induced recrudescence of pseudorabies virus. Narita M, et al. **J Comp Pathol** 1987 May;97(3):309–19

[Modification of the stability of prednisolone by urea in ointments] Wolf B, et al. **Dermatol Monatsschr** 1987; 173(3):131–4 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Long-term corticosteroid treatment in giant cell arteritis. Andersson R, et al. **Acta Med Scand** 1986;220(5):465–9

Long-term treatment with corticosteroids/ACTH in asthmatic children. IV. Skeletal maturation. Oberger E, et al. **Acta Paediatr Scand** 1986 Sep;75(5):744–9

Angiotensin-converting enzyme. Investigation of diurnal variation, the effect of a large dose of prednisolone, and prednisolone pharmacokinetics in patients with sarcoidosis. Thompson PJ, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1075–7

Hyperlipidemia after renal transplantation in children on alternate day corticosteroid therapy. Drukker A, et al. **Clin Nephrol** 1986 Sep;26(3):140–5

Topical 5-aminosalicylic acid versus prednisolone in ulcerative proctosigmoiditis. A randomized, double-blind multicenter trial. Danish 5-ASA Group. **Dig Dis Sci** 1987 Jun;32(6):598–602

Femoral arterial thrombosis in nephrotic syndrome. Steroid and long term heparin therapy. Nitatori T, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):189–92

Skin test responsiveness to four new tuberculins in patients with chronic obstructive airways disease receiving short term high doses of, or long term maintenance treatment with, prednisolone: clinical appearances and histometric studies. Lowe JG, et al. **J Clin Pathol** 1987 Jan;40(1):42–9

Effects of steroids in combination with other pharmacologic immunosuppressive agents. Salaman JR. **J Heart Transplant** 1986 Jul–Aug;5(4):304–6

Idiopathic thrombocytopenic purpura in childhood. A comparison of the effect of treatment with 1 mg/kg and 2 mg/kg/day of prednisolone. Hathirat P, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:62–8

Cardiac tamponade in rheumatoid arthritis. Successful treatment with intrapericardial steroid administration. Nakano T, et al. **Jpn Heart J** 1987 Mar;28(2):287–91

Prednisolone does not prevent post-herpetic neuralgia [letter] Finn R. **Lancet** 1987 Sep 5;2(8558):576

Enteric-coated prednisolone in cystic fibrosis [letter] Gilbert J, et al. **Lancet** 1986 Nov 15;2(8516):1167–8

Is steroid psychosis preventable by divided doses? [letter] Glynne-Jones R, et al. **Lancet** 1986 Dec 13;2(8520):1404

Effect of a single oral dose of prednisolone in acute childhood asthma. Storr J, et al. **Lancet** 1987 Apr 18;1(8538):879–82

The use of low-dose cyclosporine A in combination with azathioprine and steroids in renal transplantation. Slapak M, et al. **Transplant Proc** 1987 Apr;19(2 Suppl 2):41–5

Long-term follow-up of a prospective trial of low-dose versus high-dose steroids in cadaveric renal transplantation. Walker RG, et al. **Transplant Proc** 1987 Apr;19(2):2825–8

A controlled trial of steroids in cyclosporine-treated renal transplant recipients. Griffin PJ, et al. **Transplantation** 1987 Apr;43(4):505–8

Biochemical mechanisms underlying cyclosporine-induced nephrotoxicity. Effect of concomitant administration of prednisolone. Suzuki S, et al. **Transplantation** 1987 Sep; 44(3):363–8

Value of unspecific drugs in chemotherapy of trichinellosis. Ozeretskovskaya NN, et al. **Wiad Parazytol** 1986; 32(3):319–23

[Treatment with superhigh corticosteroid doses (pulse therapy) of patients with the idiopathic nephrotic syndrome] Tishkov I, et al. **Vutr Boles** 1987;26(2):27–33 (Eng. Abstr.) **(Bul)**

[Hypoglycemia of newborn infants—therapy and prevention] Abel HT, et al. **Padiatr Grenzgeb** 1987;26(3):179–84 (Eng. Abstr.) **(Ger)**

[Clinical trial of a combination of human lymphoblastoid interferon (HLBI), melphalan and prednisolone (HLBI–MP) in multiple myeloma] Hara M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1338–41 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma responding very well to the combination of K18 with prednisolone] Ishioka C, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1164–6 (Eng. Abstr.) **(Jpn)**

[A case of adult T-cell leukemia achieving complete remission with epirubicin, vincristine and prednisolone chemotherapy] Okabe K, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2792–5 (Eng. Abstr.) **(Jpn)**

[Treatment of localized scleroderma with systemic administration of a corticosteroid hormone] Yanase S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr;97(5):581–5 **(Jpn)**

[Refractory respiratory tract infections. 8. Clinical efficacy and application of combined therapy with antibiotics. b. Steroid therapy] Matsuoka Y, et al. **Nippon Rinsho** 1987 Mar;45(3):600–3 (13 ref.) **(Jpn)**

[Pulse therapy in inflammatory demyelinating diseases in children] Ishida Y, et al. **No To Hattatsu** 1986;18(6):477–83 (Eng. Abstr.) **(Jpn)**

[Childhood idiopathic thrombocytopenic purpura—indication and evaluation of the treatment] Fujisawa K, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1721–9 (Eng. Abstr.) **(Jpn)**

[Comparative studies of intermittent melphalan and prednisolone (MP) versus 5-drug regimen (QUVMP) and 3-drug regimen (QUP) in multiple myeloma] Hoshino S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):358–65 (Eng. Abstr.) **(Jpn)**

[A case of multicentric angiofollicular lymph-node hyperplasia] Yamamura M, et al. **Rinsho Ketsueki** 1987 Feb; 28(2):233–8 (Eng. Abstr.) **(Jpn)**

[Intermittent hormonal therapy of patients with sarcoidosis] Shkunov AN. **Probl Tuberk** 1986;(7):44–7 (Eng. Abstr.) **(Rus)**

[Status of the hypophysis-adrenal cortex system during treatment with glucocorticoids by the method of intermittent (every other day) administration] Zefirova GS, et al. **Ter Arkh** 1986;58(10):114–7 (Eng. Abstr.) **(Rus)**

[Inhibition of cytochrome P-450 activity in the blood in order to maintain blood levels of corticosteroids] Akimov VG, et al. **Vestn Dermatol Venerol** 1987;(1):8–10 (Eng. Abstr.) **(Rus)**

[Sudden deafness. Evaluation of treatment and prognostic indicators] de la Fuente Arjona L, et al. **An Otorrinolaringol Ibero Am** 1987;14(3):239–48 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Osteoporosis in rheumatoid arthritis: safety of low dose corticosteroids. Sambrook PN, et al. **Ann Rheum Dis** 1986 Nov;45(11):950–3

Steroid-induced anterior open bite. Case report. Acton CH. **Aust Dent J** 1986 Dec;31(6):455–8

Calcium metabolism and osteoporosis in corticosteroid-treated postmenopausal women. Need AG, et al. **Aust NZ J Med** 1986 Jun;16(3):341–6

Post steroid panniculitis [letter] Saxena AK. **Australas J Dermatol** 1986 Dec;27(3):143

Giant cell arteritis precipitated by a diagnostic trial of prednisolone in suspected polymyalgia rheumatica. Reilly PA, et al. **Clin Rheumatol** 1987 Jun;6(2):270–2

Severe hepatic failure after ARA-A–prednisolone for chronic type B hepatitis [letter] Buti M, et al. **Gastroenterology** 1987 Jan;92(1):274–5

Calcium absorption in corticoid treated subjects effects of a single oral dose of calcitriol. Colette C, et al. **Horm Metab Res** 1987 Jul;19(7):335–8

Porokeratosis of Mibelli in an immunosuppressed patient. Tatnall FM, et al. **J R Soc Med** 1987 Mar;80(3):180–1

Mechanisms of steroid-enhanced proteinuria in nephrotic patients. Kumagai H, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):277–81

Regression of carotid stenoses after corticosteroid therapy in occlusive thromboaortopathy (Takayasu's disease). Ishikawa K, et al. **Stroke** 1987 May–Jun;18(3):677–9

[Steroid glaucoma induced by subconjunctival injection of prednisolone] Kong LX. **Chung Hua Yen Ko Tsa Chih** 1987 Mar;23(2):82–4 (Eng. Abstr.) **(Chi)**

[Contact allergy as a model for detection of liberation of active agents from zinc containing dermatologic agents] Lübbe D. **Dermatol Monatsschr** 1986;172(10):627–8 **(Ger)**

[Recurrent pneumothorax and cystic disease of the lung, in a case receiving steroid therapy for rheumatoid arthritis] Matsushima Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):547–52 (Eng. Abstr.) **(Jpn)**

[A case of ulcerative colitis associated with perirectal abscess and steroid withdrawal syndrome] Chiba M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1520–3 **(Jpn)**

[Tumor lysis syndrome, DIC and interstitial pneumonia after treatment with prednisolone and melphalan in a patient with acute monocytic leukemia with tumor formation] Fukuda M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):553–8 (Eng. Abstr.) **(Jpn)**

[A case of epilepsia partialis continua associated with nonketotic hyperglycemia due to steroid-induced diabetes mellitus] Kayanuma K, et al. **Rinsho Shinkeigaku** 1987 Jan; 27(1):49–52 (Eng. Abstr.) **(Jpn)**

[A case of sarcoidosis accompanied by herpes zoster encephalitis] Kobayashi H, et al. **Rinsho Shinkeigaku** 1986 Aug;26(8):797–800 (Eng. Abstr.) **(Jpn)**

[Osteoporosis and spontaneous fractures during corticosteroid therapy] Kallakov AM, et al. **Revmatologiia (Moskva)** 1986 Oct–Dec;(4):73–4 **(Rus)**

[Diagnosis of steroid-induced lesions of bone tissue by gamma-photon absorptiometry] Gervaziev DV, et al. **Sov Med** 1986;(10):42–4 (Eng. Abstr.) **(Rus)**

[Steroid cardiopathy] Saksonov SI, et al. **Ter Arkh** 1986; 58(11):127–9 **(Rus)**

ANALOGS & DERIVATIVES

Prednisolone acetate-gentamicin combination following cataract surgery. Carriker F, et al. **Ann Ophthalmol** 1987 Jul;19(7):247–50

Modified elimination of prednisolone in epileptic patients on carbamazepine monotherapy, and in women using low-dose oral contraceptives. Olivesi A. **Biomed Pharmacother** 1986;40(8):301–8

Topical steroid, cyclosporin A, and the outcome of rat corneal allografts. Williams KA, et al. **Br J Ophthalmol** 1987 Mar;71(3):239–42

The effects of new local anti-inflammatory steroids on leucocyte migration and prostanoid liberation in rats. Bird J, et al. **J Pharm Pharmacol** 1986 Aug;38(8):589–94

Evaluation of electrical conductivity-temperature curves using a mathematical model: temperature-dependent changes during thawing of frozen aqueous pharmaceuticals. van Gorp JA, et al. **J Pharm Pharmacol** 1987 Feb; 39(2):73–8

Topical anti-inflammatory activity of esters of steroid 21-oic acids. Bird J, et al. **Steroids** 1986 Jan;47(1):35–40

CT demonstration of rapid improvement of retroperitoneal fibrosis in response to steroid therapy. Smith SJ, et al. **Urol Radiol** 1986;8(2):104–7

[Pharmacokinetics and pharmacodynamics of prednisolone following extremely high dosage as prednisolone hemisuccinate] Rohdewald VP, et al. **Arzneimittelforschung** 1987 Feb;37(2):194–8 (Eng. Abstr.) **(Ger)**

[Treatment of impetiginized eczema with prednicarbate in combination with a quarternary ammonium salt] Wölbling RH, et al. **Arzneimittelforschung** 1987 Feb;37(2):218–20 (Eng. Abstr.) **(Ger)**

[Effect of high-dose prednisolone on lung fluid in patients with non-cardiogenic lung edema] Laggner AN, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):245–9 (Eng. Abstr.) **(Ger)**

[Anaphylaxis-like shock caused by hydrocortisone and prednisolone sodium succinate in an asthmatic patient] Murai K, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct; 75(10):1463–4 **(Jpn)**

ANALYSIS

Polymorphism characterization of prednisolone: spectrometric and diffractometric study. Veiga MD, et al. **Farmaco [Prat]** 1987 Apr;42(4):93–102

[Extraction and determination of prednisolone in drugs and excipients in ointments and creams and the uniformity of distribution in prednisolone ointment] Horsch W, et al. **Pharmazie** 1987 Apr;42(4):261–5 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

[Kinetics of delta'-dehydrogenation of hydrocortisone by Arthrobacter simplex By-2–13. I. Kinetics of delta'-dehydrogenation of hydrocortisone by free cells of Arthrobacter simplex By-2–13] Zhong LC, et al. **Wei Sheng Wu Hsueh Pao** 1987 Mar;27(1):45–51 (Eng. Abstr.) **(Chi)**

BLOOD

The nonlinear pharmacokinetics of prednisone and prednisolone. II. Plasma protein binding of prednisone and prednisolone in rabbit and human plasma. Ferry JJ, et al. **Biopharm Drug Dispos** 1987 May–Jun;8(3):261–72

CEREBROSPINAL FLUID

Differences in cerebrospinal fluid penetration of corticosteroids: possible relationship to the prevention of meningeal leukemia. Balis FM, et al. **J Clin Oncol** 1987 Feb;5(2):202–7

METABOLISM

Modified elimination of prednisolone in epileptic patients on carbamazepine monotherapy, and in women using low-dose oral contraceptives. Olivesi A. **Biomed Pharmacother** 1986;40(8):301–8

Prednisolone pharmacokinetics in patients with rheumatoid arthritis, polymyalgia rheumatica and asthma. Taggart AJ, et al. **Clin Rheumatol** 1986 Sep;5(3):327–31

Enhanced prednisolone elimination: a possible cause for failure of glucocorticoid therapy in Graves' ophthalmopathy. Legler UF. **Horm Metab Res** 1987 Apr; 19(4):168–70

Dose-dependent pharmacokinetics of prednisolone in normal and adrenalectomized rats. Boudinot FD, et al. **J Pharmacokinet Biopharm** 1986 Oct;14(5):453–67

Prednisolone pharmacokinetics and steroid psychosis [letter] Tomson CR, et al. **Lancet** 1987 Jan 31;1(8527):270–1

Evidence that cyclosporine does not affect the metabolism of prednisolone after renal transplantation. Frey FJ, et al. **Transplantation** 1987 Apr;43(4):494–8

[Pharmacokinetics of prednisolone in renal transplant patients with or without Cushing's syndrome] Demotes-Mainard F, et al. **Therapie** 1986 Nov–Dec;41(6):449–54 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics and pharmacodynamics of prednisolone following extremely high dosage as prednisolone hemisuccinate] Rohdewald VP, et al. **Arzneimittelforschung** 1987 Feb;37(2):194–8 (Eng. Abstr.) **(Ger)**

[Effect of urea on the penetration of prednisolone into the human skin] Wohlrab W. **Dermatol Monatsschr** 1986; 172(9):523–7 (Eng. Abstr.) **(Ger)**

[Recovery rate of externally administered glucocorticoids on the skin surface] Wohlrab W. **Dermatol Monatsschr** 1986; 172(10):615–9 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of prednisolone in patients with respiratory diseases] Abe M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):25–31 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of prednisolone (PSL) during PSL treatment. II. PSL pharmacokinetics during intermittent treatment with PSL administration 4 consecutive days a week] Goshima E, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 May 20;63(5):675–94 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of prednisolone (PSL) during PSL treatment. I. PSL pharmacokinetics during daily PSL treatment] Goshima E, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jun 20;62(6):697–712 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Somatic growth after kidney transplantation. Beneficial effect of cyclosporine in comparison with conventional immunosuppression. Offner G, et al. **Am J Dis Child** 1987 May;141(5):541–6

Islet cell growth and function. A reappraisal of the role of progesterone and prednisolone. Khatim MS, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2795–8

Suppression of cortisol responses to exogenous adrenocorticotrophic hormone, and the occurrence of side effects attributable to glucocorticoid excess, in cats during therapy with megestrol acetate and prednisolone. Middleton DJ, et al. **Can J Vet Res** 1987 Jan;51(1):60–5

Structure-activity relationships for blood pressure effects of prednisolone in sheep. Spence CD, et al. **Clin Exp Hypertens [A]** 1987;9(4):773–95

Alterations in serum gastrin levels and antral G- and D-cell population following corticosteroid administration. RIA and immunocytochemical long-term study in guinea pigs. Xynos E, et al. **Digestion** 1987;36(1):7–12

Effects of dietary sodium chloride loading on parathyroid function, 1,25-dihydroxyvitamin D, calcium balance, and bone metabolism in female rats during chronic prednisolone administration. Goulding A, et al. **Endocrinology** 1986 Nov; 119(5):2148–54

Control of scar formation in experimentally induced epilepsy. Hoeppner TJ, et al. **Exp Neurol** 1986 Dec;94(3):519–36

Effects of therapy with azathioprine and prednisolone and ultraviolet irradiation on mouse skin immune function and immune cell markers. Kelly GE, et al. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):153–61

Liposome-mediated functional targeting of prednisolone. Padki M, et al. **Indian J Med Res** 1986 Jul;84:83–8

Changes in brain cholesterol and its regional distribution under the influence of prednisolone. Mandal SK, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):255–8

The effect of low doses of prednisolone on T-cell subsets in rheumatoid arthritis. Verbruggen G, et al. **Int J Immunopharmacol** 1987;9(1):61–7

Recovery of the components of the hypothalamo-pituitary-adrenocortical axis in the rat after chronic treatment with prednisolone. Nicholson SA, et al. **J Endocrinol** 1987 May;113(2):239–47

Receptor-mediated pharmacodynamics of prednisolone in the rat. Boudinot FD, et al. **J Pharmacokinet Biopharm** 1986 Oct;14(5):469–93

Prednisolone concentration-effect relations in humans and the influence of plasma hydrocortisone. Oosterhuis B, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):919–26

Role of hydrocortisone, chloroquine and prednisolone in neutrophil mediated cytotoxicity. Cameron DJ. **Jpn J Exp Med** 1986 Oct;56(5):207–12

Prednisolone depresses the sensitivity of nicotinic ACh receptors at the frog end-plate. Akasu T, et al. **Kurume Med J** 1986;33(1):51–4

Effect of prednisolone on theophylline pharmacokinetics in patients with chronic airflow obstruction. Fergusson RJ, et al. **Thorax** 1987 Mar;42(3):195–8

Nephrotoxicity of cyclosporine and its prevention by concomitant administration of prednisolone: biochemical and morphological analysis. Suzuki S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1398–402

The effect of prednisolone, thromboxane, and platelet-activating factor receptor antagonists on lymphocyte and platelet migration in experimental cardiac transplantation. Khirabadi BS, et al. **Transplantation** 1987 May;43(5):626–30

Effect of corticosteroid on porcine leukocytes: age-related effects of corticosteroid inhibition on porcine lymphocyte responses to mitogens. Yang WC, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):19–29

[The effect of heparin, prednisolone and triamterene on the elimination of India ink by the reticulohistiocyte system of the isolated perfused rat liver] Vömel T, et al. **Arzneimittelforschung** 1986 Sep;36(9):1353–5 (Eng. Abstr.) **(Ger)**

[Efficacy of cortisone in healthy dogs with physiological thrombocyte count and prolonged aspirin-induced bleeding time and in dogs with a picture of thrombocytopenic disease] Ammelounx U, et al. **Berl Munch Tierarztl Wochenschr** 1987 Apr 1;100(4):124–9 (Eng. Abstr.) **(Ger)**

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. III. Correlation between receptor number and clinical response to glucocorticoid] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1306–14 (Eng. Abstr.) **(Jpn)**

[The effect of sulphasalazine, sulphapyridine, 5-aminosalicylic acid and prednisolone on superoxide production by human polymorphonuclear leukocytes: in vitro studies] Ide T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2090 **(Jpn)**

[Enhancement of the muscle relaxant action of baclofen by glucocorticoids] Wakayama K. **Nippon Yakurigaku Zasshi** 1987 Feb;89(2):81–90 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Retinoids and systemic chemotherapy in cases of advanced mycosis fungoides. A report from the Scandinavian Mycosis Fungoides Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):179–82

Acute phase reactants in the initial phase of giant cell arteritis. Andersson R, et al. **Acta Med Scand** 1986;220(4):365–7

Corticosteroid treatment of maternal ITP and risk of neonatal thrombocytopenia. Donnér M, et al. **Acta Paediatr Scand** 1987 Mar;76(2):369–71

Intramuscular betamethasone dipropionate vs. oral prednisolone in hay fever patients. Laursen LC, et al. **Allergy** 1987 Apr;42(3):168–72

Corticosteroids therapy in paroxysmal nocturnal hemoglobinuria. Issaragrisil S, et al. **Am J Hematol** 1987 May;25(1):77–83

Juvenile blistering diseases: the problems of diagnosis and treatment. Piamphongsant T, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):133–7

Cancer in mice: effects of prednisolone or mepacrine alone and with cytotoxic drugs. Bennett A, et al. **Br J Cancer** 1987 Apr;55(4):385–8

Successful pregnancy following steroid therapy and plasma exchange in a woman with anti-Ro (SS-A) antibodies. Case report. Barclay CS, et al. **Br J Obstet Gynaecol** 1987 Apr; 94(4):369–71

Double-blind controlled trial to compare anti-inflammatory effects of tolmetin 2%, prednisolone 0.5%, and placebo in post-cataract extraction eyes. Smerdon DL, et al. **Br J Ophthalmol** 1986 Oct;70(10):761–3

Treatment of sensorineural deafness associated with ulcerative colitis. Dowd A, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):26

Ten years follow up study of steroid therapy for congenital encephalomyopathy. Kinoshita M, et al. **Brain Dev** 1986; 8(3):280–4

Treatment of experimental allergic neuritis with prednisolone. Feasby TE, et al. **Can J Neurol Sci** 1987 Feb; 14(1):46–9

Haemorrhagic pompholyx is a sign of bullous pemphigoid and an indication for low-dose prednisolone therapy. Barth JH, et al. **Clin Exp Dermatol** 1986 Jul;11(4):409–12

The glomerular tip lesion: a steroid responsive nephrotic syndrome. Beaman M, et al. **Clin Nephrol** 1987 May; 27(5):217–21

Steroid responsive fibrosing alveolitis in myasthenia gravis. Knox AJ, et al. **Eur J Respir Dis** 1987 Aug;71(2):132–4

A double-blind comparison of oral prednisolone 40 mg/day with inhaled beclomethasone dipropionate 1500 ug/day in patients with adult onset chronic obstructive airways disease. Robertson AS, et al. **Eur J Respir Dis [Suppl]** 1986; 146:565–9

Comparative trial of sodium cromoglycate enemas with prednisolone enemas in the treatment of ulcerative colitis. Grace RH, et al. **Gut** 1987 Jan;28(1):88–92

Prednisolone supplementation to Clomid and/or gonadotrophin stimulation for in-vitro fertilization--a prospective randomized trial. Kemeter P, et al. **Hum Reprod** 1986 Nov;1(7):441–4

Steroid therapy in Bell's palsy. Al-Husaini A, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug;24(8):430–2

The preventive effect of prednisolone on the adrenal toxicity of cadmium. Selypes A, et al. **J Appl Toxicol** 1986 Oct; 6(5):377–8

Idiopathic thrombocytopenic purpura in adults: response to corticosteroids and splenectomy. Kochupillai V, et al. **J Assoc Physicians India** 1986 Aug;34(8):555–8

Combination of prednisolone withdrawal and antiviral agents (adenine arabinoside, interferon) in chronic hepatitis B. A long-term follow-up study. Omata M, et al. **J Hepatol** 1986;3 Suppl 2:S65–9

Influence of prednisolone and methotrexate on cellular and biochemical aspects of acute and chronic inflammation studied in subcutaneously implanted sponges in rats. Hay S, et al. **J Rheumatol** 1986 Dec;13(6):1007–13

Adjuvant steroids and relapse of typhoid fever. Cooles P. **J Trop Med Hyg** 1986 Oct;89(5):229–31

Short-term prednisolone for inducing seroconversion from hepatitis B e antigen to antibody along with clinical improvement in patients with chronic active hepatitis type B. Kumada H, et al. **Jpn J Med** 1987 May;26(2):217–22

Favorable results of thymectomy combined with prednisolone alternate-day administration in myasthenia gravis. Yamaguchi Y, et al. **Jpn J Surg** 1987 Jan;17(1):14–20

Prednisolone does not prevent post-herpetic neuralgia. Esmann V, et al. **Lancet** 1987 Jul 18;2(8551):126–9

Steroids in chronic B-hepatitis. A randomized, double-blind, multinational trial on the effect of low-dose, long-term treatment on survival. A trial group of the European Association for the Study of the Liver. **Liver** 1986 Aug; 6(4):227–32

Cyclosporin and prednisolone: do they prevent recurrence of focal segmental glomerulosclerosis? [letter] Deray G. **Nephron** 1987;45(4):327

Lack of beneficial effect of intensive topical steroids and beta irradiation of eyes undergoing repeat trabeculectomy. Miller MH, et al. **Ophthalmic Surg** 1987 Jul;18(7):508–12

Steroid therapy in IgA nephropathy: a prospective pilot study in moderate proteinuric cases. Kobayashi Y, et al. **Q J Med** 1986 Oct;61(234):935–43

Tissue inhibitor of metalloproteinases and collagenase inhibitory activity in lung secretions from patients with chronic obstructive bronchitis: effect of corticosteroid treatment. Burnett D, et al. **Thorax** 1986 Oct;41(10):740–5

Effect of betamethasone on airway obstruction and bronchial response to salbutamol in prednisolone resistant asthma. Grandordy B, et al. **Thorax** 1987 Jan;42(1):65–71

Tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis. Knox AJ, et al. **Thorax** 1986 Aug; 41(8):651

Corticosteroid treatment in pulmonary sarcoidosis: do serial lavage lymphocyte counts, serum angiotensin converting enzyme measurements, and gallium-67 scans help management? Turner-Warwick M, et al. **Thorax** 1986 Dec; 41(12):903–13

Immunosuppression with low-dose cyclosporine combined with bredinin and prednisolone. Aso K, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1955–8

Triple combination of low-dose cyclosporine, azathioprine, and steroids in first cadaver donor renal allografts. Fries D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1911–4

Decreased interleukin 2 production and increased LEU

2a-positive suppressor cells in renal transplant patients on triple therapy with mizoribine, cyclosporine A, and prednisolone. Okubo M, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):1940-3

Improvement of renal function after conversion from cyclosporine only to prednisolone-azathioprine followed by late-onset graft failure in renal transplant patients. Tegzess AM, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2000-4

[Treatment of acute alcoholic hepatitis with prednisolone. 45 patients] Bories P, et al. **Presse Med** 1987 May 2; 16(16):769-72 (Eng. Abstr.) **(Fre)**

[Adjuvant therapy of breast cancer. 2: Hormone therapy] Possinger K, et al. **Fortschr Med** 1986 Oct 2;104(37):689-91 (Eng. Abstr.) **(Ger)**

[Cyclosporin A in acute Crohn disease: initial findings] Marbet UA, et al. **Schweiz Med Wochenschr** 1986 Jul 19; 116(29):962-3 (Eng. Abstr.) **(Ger)**

[Effect of prednisolone on blood coagulation in primary glomerular diseases] Akiu N, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1429-36 (Eng. Abstr.) **(Jpn)**

[Replacement hormone therapy of patients after surgery for the Itsenko-Cushing syndrome] Nechai AI, et al. **Klin Khir** 1986;(12):5-8 (Eng. Abstr.) **(Rus)**

[Experimental substantiation of the treatment of patients with rheumatoid arthritis with prednisolone and its combination with retabolil (clinico-experimental study)] Kriukov AP, et al. **Ter Arkh** 1986;58(7):97-101 (Eng. Abstr.) **(Rus)**

[Study of pirprofen (rengasil) combined with maintenance doses of corticosteroids in rheumatoid arthritis in a double-blind multicenter trial] Trofimova TM, et al. **Ter Arkh** 1986;58(7):95-7 (Eng. Abstr.) **(Rus)**

TOXICITY

Effects of glucocorticoids on the rabbit carotid body. Smith P, et al. **Br J Exp Pathol** 1987 Apr;68(2):251-8

Duodenal G- and D-cell changes following corticosteroid administration. Immunocytochemical long-term study in guinea pigs. Xynos E, et al. **Klin Wochenschr** 1987 Feb 2;65(3):110-2

Prednisolone and posttransplantation hypertension in rat renal allograft recipients. de Keijzer MH, et al. **Transplantation** 1987 Mar;43(3):353-7

URINE

Measurements of prednisolone and some of its metabolites, in urine of patients after orthotopic liver transplantation, as a means of monitoring prednisolone absorption. Koopman BJ, et al. **J Clin Chem Clin Biochem** 1986 Nov; 24(11):831-9

PREDNISOLONE, TOPICAL

METABOLISM

Systemic absorption from prednisolone rectal foam in ulcerative colitis [letter] Rodrigues C, et al. **Lancet** 1987 Jun 27;1(8548):1497

PREDNISONE

ADMINISTRATION & DOSAGE

Disguising decreases in prednisone dosage [letter] Wolfrom LE, et al. **Am J Hosp Pharm** 1986 Dec;43(12):2980, 2983

Cyclosporine toxicity: the effect of combined therapy using cyclosporine, azathioprine, and prednisone. Lorber MI, et al. **Am J Kidney Dis** 1987 Jun;9(6):476-84

Polymyalgia rheumatica [letter] Huddleston RE. **Br J Hosp Med** 1986 Sep;36(3):225

Is a "low" dose of prednisone better than a "high" dose at the time of renal transplantation? Stabile C, et al. **Braz J Med Biol Res** 1986;19(3):355-66

Pulsed methylprednisolone therapy compared to high dose prednisone in systemic lupus erythematosus nephritis. Garin EH, et al. **Eur J Pediatr** 1986 Oct;145(5):380-3

Dissociation between cortisol and adrenal androgen secretion in patients receiving alternate day prednisone therapy. Avgerinos PC, et al. **J Clin Endocrinol Metab** 1987 Jul; 65(1):24-9

Effect of divided daily dose prednisone therapy on circulating T cell subsets. Hepburn B, et al. **J Rheumatol** 1987 Feb;14(1):19-22

Monoclonal antibody therapy with ciclosporin and steroids in nonmatched cadaveric renal transplants. Gordon RD, et al. **Nephron** 1987;46 Suppl 1:56-9

Efficiency of inhaled versus oral steroid treatment of chronic asthma. Toogood JH. **New Engl Reg Allergy Proc** 1987 Mar-Apr;8(2):98-103

Steroid therapy as treatment for idiopathic fibrosis of the retroperitoneum and mediastinum. Feild C, et al. **Pediatrics** 1986 Nov;78(5):936-8

Churg-Strauss syndrome: determining adequacy of corticosteroid dosage by the eosinophil count. Gilbert GJ. **South Med J** 1987 Feb;80(2):266-8

[Large doses of adrenal corticosteroids in the treatment of pericarditis associated with progressive systemic sclerosis] Chen SL, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Oct; 25(10):616-7, 638 (Eng. Abstr.) **(Chi)**

[Treatment of progressive and severe forms of multiple sclerosis using a combination of antilymphocyte serum, azathioprine and prednisone. Clinical and biological results. Comparison with a control group treated with azathioprine and prednisone only. 4-year follow-up] Lhermitte F, et al. **Rev Neurol (Paris)** 1987;143(2):98-107 (Eng. Abstr.) **(Fre)**

[Temporal arteritis. Reduced vision during steroid treatment] Ljones F, et al. **Tidsskr Nor Laegeforen** 1987 Mar 30; 107(9):851 (Eng. Abstr.) **(Nor)**

[Biorhythm model of corticoid therapy in bronchial asthma patients] Căruceru M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar;90(1):123-4 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Drug-induced bleeding of gastric leiomyoma. Stalnikowicz R, et al. **Am J Gastroenterol** 1987 May;82(5):419-20

Kaposi's sarcoma in rheumatoid arthritis. Schottstaedt MW, et al. **Am J Med** 1987 May;82(5):1021-6

Steroid-induced Kaposi's sarcoma in a patient with pre-AIDS. Schulhafer EP, et al. **Am J Med** 1987 Feb; 82(2):313-7

Kaposi's sarcoma following corticosteroid treatment for temporal arteritis--a case report. Di Giacomo V, et al. **Angiology** 1987 Jan;38(1 Pt 1):56-61

Deflazacort vs prednisone. Effect on blood glucose control in insulin-treated diabetics. Bruno A, et al. **Arch Intern Med** 1987 Apr;147(4):679-80

The relationship between the leg muscle strength and physical capacity in patients with rheumatoid arthritis, with reference to the influence of corticosteroids. Danneskiold-Samsøe B, et al. **Clin Rheumatol** 1986 Dec; 5(4):468-74

Isokinetic and isometric muscle strength in patients with rheumatoid arthritis. The relationship to clinical parameters and the influence of corticosteroid. Danneskiold-Samsøe B, et al. **Clin Rheumatol** 1986 Dec;5(4):459-67

A comparison of steroid and thiazide diabetes. Ferguson RP. **Conn Med** 1986 Aug;50(8):506-9

Oral effects of steroid therapy in a patient with systemic lupus erythematosus: report of case. Van Story-Lewis PE, et al. **J Am Dent Assoc** 1987 Jul;115(1):49-51

Stress fracture in a young male runner taking corticosteroids. Scaggs CG. **J Am Podiatr Med Assoc** 1986 Oct; 76(10):550-1

Exophthalmos induced by exogenous steroids. Katz B, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):250-3

Severe arthralgias after wide fluctuation in corticosteroid dosage. Kahl L, et al. **J Rheumatol** 1986 Dec;13(6):1063-5

Altered skeletal muscle ultrastructure in renal transplant patients on prednisone. Horber FF, et al. **Kidney Int** 1986 Sep;30(3):411-6

Fat embolization and pulmonary infiltrates after bone marrow transplantation. Lipton JH, et al. **Med Pediatr Oncol** 1987; 15(1):24-7

Prednisone-induced fluctuations of proteinuria in patients with a nephrotic syndrome. Wetzels JF, et al. **Nephron** 1986;44(4):344-50

Osteonecrosis as a complication of steroid dependent asthma: a case report and review. Kalliel JN, et al. **New Engl Reg Allergy Proc** 1987 Mar-Apr;8(2):108-12

A prospective study on infection with cytomegalovirus in renal allograft recipients immunosuppressed with cyclosporine A and low dose prednisone. Arnfred J, et al. **Scand J Infect Dis** 1987;19(3):297-302

Pneumatosis cystoides intestinalis with pneumoperitoneum in renal transplant patients on cyclosporine and prednisone. Ammons MA, et al. **Transplant Proc** 1986 Dec; 18(6):1868-70

Pneumatosis cystoides intestinalis following lactulose and steroid treatment in a liver transplant patient with an intermittently enlarged scrotum. Janssen DA, et al. **Transplant Proc** 1987 Apr;19(2):2949-52

Complications of cyclosporine-prednisone immunosuppression in 402 renal allograft recipients exclusively followed at a single center for from one to five years. Kahan BD, et al. **Transplantation** 1987 Feb; 43(2):197-204

Fatal Strongyloides stercoralis infection in a patient receiving corticosteroids. Yee A, et al. **West J Med** 1987 Mar; 146(3):363-4

[Primary subcutaneous nocardiosis complicating nephrotic syndrome under corticosteroid therapy (letter)] Cahen R, et al. **Presse Med** 1987 Jun 27;16(25):1242-3 **(Fre)**

[Ischemic necrosis of the femoral head in systemic lupus erythematosus] Shimoni Z, et al. **Harefuah** 1987 Jan 1; 112(1):11-2 (Eng. Abstr.) **(Heb)**

ANALOGS & DERIVATIVES

Troleandomycin effects on methylprednisolone and methylprednisone interconversion and disposition in the rabbit. Ebling WF, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan-Mar;12(1):50-7

Synthesis and evaluation of fluorine-18 21-fluoroprednisone as a potential ligand for neuro-PET studies. Feliu AL, et al. **J Nucl Med** 1987 Jun;28(6):998-1005

6 alpha-Methylprednisolone and 6 alpha-methylprednisone plasma protein binding in humans and rabbits. Ebling WF, et al. **J Pharm Sci** 1986 Aug;75(8):760-3

The determination of essential clearance, volume, and residence time parameters of recirculating metabolic systems: the reversible metabolism of methylprednisolone and methylprednisone in rabbits. Ebling WF, et al. **J Pharmacokinet Biopharm** 1986 Dec;14(6):557-99

A nonglucocorticoid steroid analog of methylprednisolone duplicates its high-dose pharmacology in models of central nervous system trauma and neuronal membrane damage. Hall ED, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):137-42

ANTAGONISTS & INHIBITORS

The Frank Stinchfield Award paper. Improvement of femoral head blood flow in steroid-treated rabbits using lipid-clearing agent. Wang GJ. **Hip** 1987;:87-93

BLOOD

The nonlinear pharmacokinetics of prednisone and prednisolone. II. Plasma protein binding of prednisone and prednisolone in rabbit and human plasma. Ferry JJ, et al. **Biopharm Drug Dispos** 1987 May-Jun;8(3):261-72

IMMUNOLOGY

A monoclonal antibody to prednisone: use of enzyme-linked immunosorbent assay (ELISA) for screening and characterization of antigenic determinants. Lewis JG, et al. **J Steroid Biochem** 1986 Nov;25(5A):659-63

METABOLISM

Lack of effect of sucralfate on prednisone bioavailability. Gambertoglio JG, et al. **Am J Gastroenterol** 1987 Jan; 82(1):42-5

Increased clearance rate of prednisone in the isolated perfused liver of uremic rats. Egfjord W, et al. **Nephron** 1987;45(1):53-8

PHARMACODYNAMICS

Discordant effects of prednisone on anticardiolipin antibodies and the lupus anticoagulant [letter] Derksen RH, et al. **Arthritis Rheum** 1986 Oct;29(10):1295-6

Effect of short-term, low-dose corticosteroids on plasma lipoprotein lipids. Ettinger WH, et al. **Atherosclerosis** 1987 Feb;63(2-3):167-72

Comparison of the subacute effects of a new glucocorticoid, deflazacort, and prednisone on the hypothalamic-pituitary-adrenal axis of normal subjects. Wajchenberg BL, et al. **Braz J Med Biol Res** 1986; 19(1):39-47

Glucocorticoid-related impairment in the metabolism of low density lipoprotein by human fibroblasts. Bagdade JD, et al. **Horm Metab Res** 1986 Nov;18(11):768-70

Regulation of the glucocorticoid receptor by glucocorticoids in human mononuclear leukocytes. Brentani MM, et al. **Horm Res** 1986;24(1):9-17

Two populations of human blood basophils: effect of prednisone on circulating numbers. Leonard EJ. **J Allergy Clin Immunol** 1987 May;79(5):775-80

Glucocorticoid levels and lymphocyte functions in kidney transplanted patients. Langhoff E, et al. **Pharmacol Toxicol** 1987 Apr;60(4):269-73

Corticosteroids-salicylate interaction in a case of juvenile rheumatoid arthritis. Koren G, et al. **Ther Drug Monit** 1987 Jun;9(2):177-9

Prednisone-induced increases in serum alpha-2-globulin and haptoglobin concentrations in dogs. Harvey JW, et al. **Vet Pathol** 1987 Jan;24(1):90-2

THERAPEUTIC USE

Treatment of chronic pleural effusions after the Fontan procedure with prednisone. Rothman A, et al. **Am J Cardiol** 1987 Aug 1;60(4):408-9

Medical management of chronic middle-ear effusion. Results of a clinical trial of prednisone combined with sulfamethoxazole and trimethoprim. Berman S, et al. **Am J Dis Child** 1987 Jun;141(6):690-4

Search for eosinopenia in hospitalized patients with normal blood leukocyte concentration. Krause JR, et al. **Am J Hematol** 1987 Jan;24(1):55-63

Involvement of von Willebrand factor in thrombosis following asparaginase-prednisone-vincristine therapy for leukemia. Pui CH, et al. **Am J Hematol** 1987 Jul;25(3):291-8

Combined cyclophosphamide and corticosteroid-induced remission in severe glomerulopathy associated with systemic vasculitis. Rubinger D, et al. **Am J Nephrol** 1986; 6(5):346-52

Pharmacologic suppression of the neutrophil component of the alveolitis in idiopathic pulmonary fibrosis. O'Donnell K, et al. **Am Rev Respir Dis** 1987 Aug;136(2):288-92

Clinical investigation of Duchenne muscular dystrophy. Interesting results in a trial of prednisone. Brooke MH, et al. **Arch Neurol** 1987 Aug;44(8):812-7

Prednisone treatment in Duchenne muscular dystrophy. Long-term benefit. DeSilva S, et al. **Arch Neurol** 1987 Aug; 44(8):818-22

Kidney transplantation in the cyclosporine era. Halasz NA, et al. **Arch Surg** 1987 Sep;122(9):1001-4

Treatment of dermatomyositis. Jacobs JC Jr. **Arthritis Rheum** 1977 Mar;20(2 Suppl):338-41

Acute transverse myelopathy successfully treated with plasmapheresis and prednisone in a patient with primary Sjögren's syndrome. Konttinen YT, et al. **Arthritis Rheum** 1987 Mar;30(3):339-44

Bone growth and haemopoiesis: steroid reversible anaemia,

myelofibrosis and increased bone formation in a child. Macdougall LG, et al. **Br J Haematol** 1987 May;66(1):5–10

Contribution of prednisone to the effectiveness of hexamethylmelamine in multiple myeloma. Oken MM, et al. **Cancer Treat Rep** 1987 Sep;71(9):807–11

Extrarenal synthesis of 1,25-dihydroxyvitamin D: sensitivity to glucocorticoid treatment. Adami S, et al. **Clin Sci** 1987 Mar;72(3):329–34

The influence of prednisone on the muscle morphology and muscle enzymes in patients with rheumatoid arthritis. Danneskiold-Samsøe B, et al. **Clin Sci** 1986 Dec; 71(6):693–701

Muscle morphology and enzymes in proximal and distal muscle groups of lower limb from patients with corticosteroid treated rheumatoid arthritis: the relationship to maximal isokinetic muscle strength. Danneskiold-Samsøe B, et al. **Clin Sci** 1986 Dec; 71(6):685–91

Clinical results of ciclosporin-prednisone therapy in renal transplantation. Kahan BD, et al. **Contrib Nephrol** 1986; 51:55–60

Prednisone treatment in newly diagnosed type I diabetic children: 1-yr follow-up. Mistura L, et al. **Diabetes Care** 1987 Jan-Feb;10(1):39–43

Prolonged halothane hepatitis. Prompt resolution of severe lesion with corticosteroid therapy. Moore DH, et al. **Dig Dis Sci** 1986 Nov;31(11):1269–72

Medroxyprogesterone acetate and prednisone in advanced breast cancer. A randomized trial. Jakobsen A, et al. **Eur J Cancer Clin Oncol** 1986 Sep;22(9):1067–72

Ciclosporin and prednisone v. prednisone in treatment of Graves' ophthalmopathy: a controlled, randomized and prospective study. Kahaly G, et al. **Eur J Clin Invest** 1986 Oct;16(5):415–22

Effects of glucocorticoids during pregnancy on the outcome of the children directly after birth and in the long run. Koppe JG, et al. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(5):293–9

A comparison of the efficacy of high dose and normal dose budesonide in prednisone dependent patients with chronic obstructive lung disease (COLD). Overbeek SE, et al. **Eur J Respir Dis [Suppl]** 1986;146:581–4

Giant cell arteritis causes recurrent posterior circulation transient ischemic attacks which respond to corticosteroid. Lipton RB, et al. **Eur Neurol** 1987;27(2):97–100

Sustained remission after corticosteroid therapy of severe hepatitis B surface antigen-negative chronic active hepatitis. Czaja AJ, et al. **Gastroenterology** 1987 Jan; 92(1):215–9

Persistence of serum hepatitis B virus deoxyribonucleic acid in hepatitis B surface antigen-positive patients with chronic persistent hepatitis treated with prednisone. Tong MJ, et al. **Gastroenterology** 1987 Apr;92(4):862–6

A pilot study on the effects of prednisone withdrawal on serum hepatitis B virus DNA and HBeAg in chronic active hepatitis B. Nair PV, et al. **Hepatology** 1986 Nov-Dec; 6(6):1319–24

Young woman on a prednisone seesaw. Duncan SR, et al. **Hosp Pract [Off]** 1987 Mar 30;22(3A):82–3, 86, 88

Treatment modalities in Guillain-Barré syndrome. Provenzale JM. **Hosp Pract [Off]** 1987 Mar 15;22(3):93–8, 102

The boy whose hair came back. Schindler AM. **Hosp Pract [Off]** 1987 Sep 15;22(9):185–8

Oral prednisone—an illogical therapy. Arnold HL Jr. **Int J Dermatol** 1987 Jun;26(5):286–8

Interferon alfa-2b/melphalan/prednisone in previously untreated patients with multiple myeloma: a phase I–II trial. Cooper MR, et al. **Invest New Drugs** 1987;5 Suppl:S41–6

Prednisone inhibits late asthmatic reactions and airway inflammation induced by toluene diisocyanate in sensitized subjects. Boschetto P, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):261–7

The effect of prednisone on the levels of serum albumin of 20 patients with renal transplants. Aplasca EC, et al. **J Am Diet Assoc** 1986 Oct;86(10):1404–5

Impact of physical training on the ultrastructure of midthigh muscle in normal subjects and in patients treated with glucocorticoids. Horber FF, et al. **J Clin Invest** 1987 Apr; 79(4):1181–90

The use of corticosteroids in conjunction with antiviral therapy in chronic hepatitis B with ongoing viral replication. Perrillo RP. **J Hepatol** 1986;3 Suppl 2:S57–64

Effect of thymosin immunostimulation with and without corticosteroid immunosuppression on chimpanzee hepatitis B carriers. Eichberg JW, et al. **J Med Virol** 1987 Jan; 21(1):25–37

Corticosteroids in treatment of obstructive lesions of chronic granulomatous disease. Chin TW, et al. **J Pediatr** 1987 Sep; 111(3):349–52

Early intervention with short courses of prednisone to prevent progression of asthma in ambulatory patients incompletely responsive to bronchodilators. Harris JB, et al. **J Pediatr** 1987 Apr;110(4):627–33

Polymyositis in pregnancy. A case report and literature review. Houck W, et al. **J Reprod Med** 1987 Mar; 32(3):208–10

Successful pregnancy after pharmacologic suppression of a circulating anticoagulant in a woman with previous pregnancy losses and pulmonary emboli. A case report. Isada N, et al. **J Reprod Med** 1987 Mar;32(3):221–4

Corticosteroid-interferon therapy for hepatitis B characterized as 'potentially exciting' so far [news] Kirn TF. **JAMA** 1987 Jul 24-31;258(4):427, 432

ITP in childhood: difficulties in the individual treatment. Grümayer ER, et al. **Klin Padiatr** 1986 Sep-Oct; 198(5):414–7

Efficacy of prednisone to induce remission in recent onset type I (insulin dependent) diabetic patients. Secchi A, et al. **Klin Wochenschr** 1987 Mar 2;65(5):244

Resolution of acquired factor X deficiency and amyloidosis with melphalan and prednisone therapy. Camoriano JK, et al. **N Engl J Med** 1987 Apr 30;316(18):1133–5

Treatment of childhood prednisone-resistant nephrotic syndrome and focal segmental glomerulosclerosis with intravenous methylprednisolone and oral alkylating agents. Griswold WR, et al. **Nephron** 1987;46(1):73–7

Steroid-responsive relapsing nephrotic syndrome associated with early diabetic glomerulopathy in a child. Peces R, et al. **Nephron** 1987;46(1):78–82

Prednisone-responsive limb-girdle syndrome: a special disorder? Dalakas MC, et al. **Neuropediatrics** 1987 May; 18(2):88–90

A corticosteroid program for prevention of hospitalization for status asthmaticus in children. Resnick A, et al. **New Engl Reg Allergy Proc** 1987 Mar-Apr;8(2):104–7

Prednisone treatment for injury and compression of inferior alveolar nerve: report of a case of anesthesia following endodontic overfilling. Gatot A, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):704–6

Steroid effects on the course of abdominal pain in children with Henoch-Schonlein purpura. Rosenblum ND, et al. **Pediatrics** 1987 Jun;79(6):1018–21

Researching osteoporosis in prednisone treated sarcoid patients. Rizzato G, et al. **Sarcoidosis** 1987 Mar;4(1):45–8

Pharmacological treatment of immune-mediated inner ear disorders. A clinical immunology and audiology survey. Veldman JE. **Scand Audiol [Suppl]** 1986;26:21–6

Infantile polyarteritis nodosa with mucocutaneous lymph node syndrome treated with long-term corticosteroids. Kelly PC, et al. **South Med J** 1987 Aug;80(8):1045–8

Cyclosporine-steroids versus conventional therapy in cadaver kidney transplantation: analysis of a randomized trial at two years. Gianello P, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1867–72

Risk factors for cadaveric donor allograft survival in cyclosporine-prednisone-treated recipients. Kahan BD, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1835–8

Quadruple drug therapy prevents graft loss from acute rejection without increasing mortality. Light JA, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1927–30

Management of immunosuppressive problems in renal allograft recipients. Lorber MI, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):1951–4

[Value of the combination cyclophosphamide-prednisone in the treatment of idiopathic pulmonary hemosiderosis. Apropos of a case [letter]] Einhorn S, et al. **Ann Med Interne (Paris)** 1987;138(2):144–5 **(Fre)**

[Corticosteroid-dependent reduction of leukocyte count in blood as a prognostic factor in acute lymphoblastic leukemia in childhood (therapy study ALL-BFM 83)] Riehm H, et al. **Klin Padiatr** 1987 May-Jun;199(3):151–60 (Eng. Abstr.) **(Ger)**

[Ingestive accidents with corrosive substances in childhood with special reference to endoscopic diagnosis and corticoid therapy] Rechlin R, et al. **Z Arztl Fortbild (Jena)** 1986;80(12):481–4 **(Ger)**

[New results concerning the effectiveness of therapy of chronic glomerulonephritis. Results of cytostatics-anticoagulants-aggregation inhibitors, cystostatics-anticoagulants-aggregation inhibitors-prednisone and cystostatics-prednisone therapy, derived from a retrospective study] Sinn W, et al. **Z Urol Nephrol** 1986 Aug;79(8):449–57 (Eng. Abstr.) **(Ger)**

[Long-term observations on the natural course of pulmonary sarcoidosis and the effect of corticoid therapy] Zych D, et al. **Pneumonol Pol** 1987 Jan;55(1):7–14 (Eng. Abstr.) **(Pol)**

[Leukocyte migration in vivo and in vitro in patients treated with various doses of corticosteroids] Matusiewicz R. **Wiad Lek** 1986 Nov 15;39(22):1517–22 (Eng. Abstr.) **(Pol)**

[Treatment of myasthenia gravis by immunosuppressive non-steroidal drugs] De Assis JL, et al. **Arq Neuropsiquiatr** 1986 Jun;44(2):109–16 (Eng. Abstr.) **(Por)**

[The use of corticosteroids in Guillain-Barré syndrome: study of 51 cases] Dias-Tosta E, et al. **Arq Neuropsiquiatr** 1986 Jun;44(2):117–24 (Eng. Abstr.) **(Por)**

[The immune compartment in chronic active liver disease responsive and non-responsive to corticoid therapy] Buligescu L, et al. **Rev Med Interna [Med Interna]** 1987 Jan-Mar;39(1):91–5 **(Rum)**

[Results and prognostic factors in the treatment of chronic active hepatitis with prednisone and azathioprine] Jorge AD, et al. **Acta Gastroenterol Latinoam** 1985;15(4):233–41 (Eng. Abstr.) **(Spa)**

[When is a patient with corticoid-sensitive nephrotic syndrome cured? Late recurrence after 17 years of complete remission (letter)] Hernández MA, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):653–4 **(Spa)**

PRE-ECLAMPSIA

Therapy of non-preeclamptic hypertension in pregnancy. Redman CW. **Am J Kidney Dis** 1987 Apr;9(4):324–7 (13 ref.)

Anaesthesia and pre-eclampsia. Morison DH. **Can J Anaesth** 1987 Jul;34(4):415–22 (77 ref.)

Hypertension in pregnancy. II. Repke JT. **Md Med J** 1987 Jul;36(7):565–7

BLOOD

Plasma fibronectin concentration in normal pregnancy and pre-eclampsia. Eriksen HO, et al. **Acta Obstet Gynecol Scand** 1987;66(1):25–8

Increased arterial catecholamines in pre-eclampsia. Oian P, et al. **Acta Obstet Gynecol Scand** 1986;65(6):613–7

Increased levels of carboxyhemoglobin and serum iron as an indicator of increased red cell turnover in preeclampsia. Entman SS, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1169–73

Preeclampsia, delivery, and the hemostatic system. Saleh AA, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):331–6

Pregnancy and oxygen dissociation [letter] Hess W. **Anesthesiology** 1987 Jun;66(6):854–5

Effect of normal and preeclamptic pregnancies on the oxyhemoglobin dissociation curve. Kambam JR, et al. **Anesthesiology** 1986 Oct;65(4):426–7

Factor VIII procoagulant antigen levels in normal pregnancy and preeclampsia. Lazarchick J, et al. **Ann Clin Lab Sci** 1986 Sep-Oct;16(5):395–8

Atrial natriuretic peptide concentrations in pre-eclampsia. Thomsen JK, et al. **Br Med J [Clin Res]** 1987 Jun 13; 294(6586):1508–10

Lidocaine protein binding in preeclampsia. Bottorff MB, et al. **Eur J Clin Pharmacol** 1987;31(6):719–22

Maternal and fetal plasma zinc in pre-eclampsia. Bassiouni BA, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr; 9(2):75–80

High molecular fibrin derivatives in pre-eclamptic and eclamptic patients. Beller FK, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):105–10

Amino acid composition of amniotic fluid, maternal and umbilical vein serum in intrahepatic cholestasis of pregnancy, pre-eclampsia and rhesus incompatibility. Kuutti-Savolainen ER, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):223–9

Blood mononuclear cell magnesium in normal pregnancy and preeclampsia. Ryzen E, et al. **J Am Coll Nutr** 1987 Apr; 6(2):121–4

Serum and monocyte magnesium levels in two groups of patients at term [letter] Weaver K. **J Am Coll Nutr** 1987 Apr;6(2):189

Plasma and platelet norepinephrine in normal and preeclamptic pregnancy. O'Shaughnessy R, et al. **J Reprod Med** 1987 Jul;32(7):504–8

A prospective study investigating the mechanism of thrombocytopenia in preeclampsia. Burrows RF, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):334–8

Peripartum colloid osmotic pressures: correlation with serum proteins. Nguyen HN, et al. **Obstet Gynecol** 1986 Dec; 68(6):807–10

How often does maternal preeclampsia-eclampsia incite thrombocytopenia in the fetus? Pritchard JA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):292–5

Preeclampsia is not associated with excess fetal clotting. Weiner C, et al. **Obstet Gynecol** 1986 Dec;68(6):871–2

Immunoreactive digitalis-like substance in pre-eclampsia. Odendaal HJ, et al. **S Afr Med J** 1986 Oct 25;70(9):535–7

Heparin cofactor activity and antithrombin III antigen levels in preeclampsia. Friedman KD, et al. **Thromb Res** 1986 Aug 15;43(4):409–16

Essential fatty acid patterns in preeclampsia. Ogburn PL, et al. **Zentralbl Gynakol** 1986;108(16):983–9

COMPLICATIONS

Acute atherosis in preeclampsia: maternal determinants and fetal outcome in the presence of the lesion. Khong TY, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):360–3

Pulmonary edema in severe preeclampsia-eclampsia: analysis of thirty-seven consecutive cases. Sibai BM, et al. **Am J Obstet Gynecol** 1987 May;156(5):1174–9

Epinephrine is unsafe in the preeclamptic patient [letter] Costin M, et al. **Anesthesiology** 1987 Jan;66(1):99–100

Epinephrine should not be used with local anesthetics for epidural anesthesia in pre-eclampsia [letter] [published erratum appears in Anesthesiology 1987 Jul;67(1):156] Robinson DA. **Anesthesiology** 1987 Apr;66(4):577–9

Severe pre-eclampsia and infants of very low birth weight. Szymonowicz W, et al. **Arch Dis Child** 1987 Jul;62(7):712–6

Early onset pre-eclampsia: recognition of underlying renal disease [letter] Lindheimer MD, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1547–8

Nephrotic syndrome due to preeclampsia. Incidence of focal and segmental glomerular sclerosis. Nadal MA, et al. **Medicina (B Aires)** 1986;46(2):157–62

Hypocalciuria in preeclampsia [letter] **N Engl J Med** 1987 Oct 1;317(14):897–9

Advanced extra-uterine pregnancy associated with eclampsia. A report of 2 cases. Moodley J, et al. **S Afr Med J** 1987 Apr 4;71(7):460–1

Maternal deaths from neurological complications of

hypertensive crises in pregnancy. Richards AM, et al. **S Afr Med J** 1987 Apr 18;71(8):487–90
Toxemia of pregnancy and the liver. Alexander J, et al. **Semin Liver Dis** 1987 Feb;7(1):55–8
Transient diabetes insipidus and preeclampsia. Katz VL, et al. **South Med J** 1987 Apr;80(4):524–5
[Effect of hormonal contraceptives on blood pressure following pregnancy-induced hypertension] Meinel H, et al. **Zentralbl Gynakol** 1987;109(8):527–31 (Eng. Abstr.) **(Ger)**
[Acute hepatic failure during gestosis of pregnancy. Description of a clinical case] Girotti G, et al. **Minerva Anestesiol** 1987 Jan–Feb;53(1–2):47–50 (Eng. Abstr.) **(Ita)**
[Pre-eclampsia—detachment of the normal placenta and retinal detachment] Trezza JS, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):50–2 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Pre-eclampsia, "HELLP" syndrome and postictal cortical blindness. Levavi H, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):91–2
The clinical spectrum of preeclampsia. Weiner CP. **Am J Kidney Dis** 1987 Apr;9(4):312–6 (21 ref.)
Digoxin-like immunoreactive substance in pregnancy. González AR, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):660–4
Echocardiographic left ventricular mass to differentiate chronic hypertension from preeclampsia during pregnancy. Thompson JA, et al. **Am J Obstet Gynecol** 1986 Nov; 155(5):994–9
Hypertension in pregnancy: a case discussion [clinical conference] Redman CW. **Kidney Int** 1987 Jul;32(1):151–60
[Late toxemias of pregnancy (pre-eclampsia) in teenagers. I. Course of pregnancy] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1986;25(5):19–25 **(Bul)**
[Late toxemias of pregnancy (pre-eclampsia) in teenagers. II. Course of labor and fate of the newborn child] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1986;25(5):25–9 (Eng. Abstr.) **(Bul)**
[HELLP syndrome: a rare, threatening complication in pre-eclampsia] Dadak C, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):637–9 (Eng. Abstr.) **(Ger)**
[HELLP syndrome: a life-threatening form of pre-eclampsia] de Dycker RP, et al. **Geburtshilfe Frauenheilkd** 1987 Feb; 47(2):128–30 (Eng. Abstr.) **(Ger)**
[Premature labor in gestosis] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1987;109(3):152–6 (Eng. Abstr.) **(Ger)**
[Change in polyamines in amniotic fluid and its clinical implication] Maesato S. **Fukuoka Igaku Zasshi** 1986 Oct; 77(10):549–60 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

The effect of oxytocin infusion on the pharmacokinetics of intramuscular magnesium sulfate therapy. Bloss JD, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):156–60
Effect of maternal magnesium sulfate treatment on fetal heart rate variability. Cañez MS, et al. **Am J Perinatol** 1987 Apr; 4(2):167–70
The management of hypertensive disorders of pregnancy. Kincaid-Smith P. **Aust NZ J Med** 1987 Apr;17(2):187–8
Phenytoin infusion in severe pre-eclampsia. Slater RM, et al. **Lancet** 1987 Jun 20;1(8547):1417–21
Captopril therapy in preeclampsia [letter] Hurault de Ligny BH, et al. **Nephron** 1987;46(3):329–30

ENZYMOLOGY

Serum aminopeptidase A (AAP) in normal pregnancy and pregnancy complicated by pre-eclampsia. Mizutani S, et al. **Arch Gynecol** 1987;240(1):27–31

ETIOLOGY

Obstetric complications in diabetic pregnancy. Lunell NO. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:117–21 (25 ref.)
The role of serotonin in the genesis of hypertension in preeclampsia. Weiner CP. **Am J Obstet Gynecol** 1987 Apr; 156(4):885–8
Early onset pre-eclampsia: recognition of underlying renal disease. Ihle BU, et al. **Br Med J [Clin Res]** 1987 Jan 10; 294(6564):79–81
Hypertension in pregnancy. Maikranz P, et al. **Med Clin North Am** 1987 Sep;71(5):1031–43 (63 ref.)
Severe pre-eclampsia in multiparous women: indication of an environmental triggering agent? Kilpatrick DC, et al. **Scott Med J** 1987 Feb;32(1):8–10
[Pre-eclampsia and prostacyclins (on the pathogenesis of pre-eclampsia)] Katsulov A. **Akush Ginekol (Sofiia)** 1987; 26(2):63–71 (35 ref.) **(Bul)**

FAMILIAL & GENETIC

Immunogenetic aspects of preeclampsia. Bolis PF, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):42–5
Pre-eclampsia and trisomy 13: a possible association. Boyd PA, et al. **Lancet** 1987 Aug 22;2(8556):425–7

IMMUNOLOGY

Abnormalities in platelet antiglobulin tests in preeclamptic mothers and their neonates. Samuels P, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):109–13
Anti-cardiolipin antibodies and pre-eclampsia. Scott RA. **Br J Obstet Gynaecol** 1987 Jun;94(6):604–5
Decreased killer cell activity in preeclampsia. Siklós P, et al. **Gynecol Obstet Invest** 1987;23(2):84–8
Natural killer cell activity and antibody dependent cell-mediated cytotoxicity in preeclampsia. Hill JA, et al. **J Reprod Immunol** 1986 Nov;9(3):205–12
[Cellular bases of hypertension in pregnancy. III. Immunologic factors. Review of the literature and methodological introduction to the study] Tranquilli AL, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):278–83 (Eng. Abstr.) **(Ita)**

METABOLISM

Altered villus vessel fibronectin in preeclampsia. Anunciado AN, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):898–900
Placental glycolysis and energy metabolism in preeclampsia. Bloxam DL, et al. **Am J Obstet Gynecol** 1987 Jul; 157(1):97–101
Use of atracurium in pre-eclamptic patients [letter] Fujita RA, et al. **Br J Anaesth** 1986 Nov;58(11):1343
Neuropeptide Y and noradrenaline in human uterus and myometrium during normal and pre-eclamptic pregnancy. Fried G, et al. **Hum Reprod** 1986 Sep;1(6):359–64
Renal prostacyclin and thromboxane in normotensive and preeclamptic pregnant women and their infants. Ylikorkala O, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1307–12
The physico-chemical, immunological and biological characteristics of HCG in gestational trophoblastic disease and pre-eclampsia. Huang SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb;86(2):178–87

OCCURRENCE

Preeclampsia in twin pregnancy—severity and pathogenesis. Long PA, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):1–5
Epidemic pre-eclampsia [letter] Crawford JS. **Lancet** 1987 Aug 8;2(8554):329–30
Epidemic pre-eclampsia? [letter] Fitzpatrick C, et al. **Lancet** 1987 Sep 19;2(8560):694

PATHOLOGY

The liver in preeclampsia/eclampsia: the tip of the iceberg [editorial] Riely CA. **Am J Gastroenterol** 1986 Dec; 81(12):1218–9
Inadequate maternal vascular response to placentation in pregnancies complicated by pre-eclampsia and by small-for-gestational age infants. Khong TY, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1049–59
Maternal mortality due to the hepatorenal syndrome of pre-eclampsia. A case report. van Dongen PW, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct;9(5):299–306
Focal and segmental glomerular sclerosis observed in preeclamptic nephropathy. Koda Y, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):347–55
Histomorphometry of the human placenta in pre-eclampsia associated with severe intrauterine growth retardation. Teasdale F. **Placenta** 1987 Mar–Apr;8(2):119–28

PHYSIOPATHOLOGY

Mechanisms for reduced colloid osmotic pressure in preeclampsia. Bhatia RK, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):106–8
Calculated capillary hydrostatic pressure in normal pregnancy and preeclampsia. Oian P, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):102–6
Retrospective comparison of blood pressure course during preeclamptic and matched control pregnancies. Reiss RE, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):894–8
Severe preeclampsia–eclampsia in young primigravid women: subsequent pregnancy outcome and remote prognosis. Sibai BM, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1011–6
Ocular manifestations of preeclampsia. Jaffe G, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):309–15
Hemodynamic monitoring in severe pregnancy-induced hypertension. Wasserstrum N, et al. **Clin Perinatol** 1986 Dec;13(4):781–99 (70 ref.)
Effects of intraamniotically administered thyroxin on acceleration of fetal pulmonary maturity in preeclamptic toxemia. Veszelovszky I, et al. **J Perinat Med** 1986; 14(4):227–33
Measurement of cardiac output during pregnancy: validation of Doppler technique and clinical observations in preeclampsia. Easterling TR, et al. **Obstet Gynecol** 1987 Jun;69(6):845–50
The role of arachidonic acid metabolites in preeclampsia. Walsh SW, et al. **Semin Perinatol** 1986 Oct;10(4):334–55
[Hellp syndrome may precede the appearance of arterial hypertension in pregnancy toxemia] Dantzer M, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):243–5 (Eng. Abstr.) **(Fre)**
[Preeclampsia and tubular dysfunction] Yoshida A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):9–16 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Treatment of hypertension in pregnancy with methyldopa: a randomized double blind study. Weitz C, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):35–40
Preeclampsia and reproductive performance in a community of vegans. Carter JP, et al. **South Med J** 1987 Jun; 80(6):692–7

SURGERY

Can some cases of pre-eclampsia be corrected surgically? Romeu A, et al. **Med Hypotheses** 1986 Oct;21(2):221–4

THERAPY

Correction of hypovolemia and central venous pressure monitoring in the management of severe preeclampsia and eclampsia [letter] Fliegner JR. **Am J Obstet Gynecol** 1987 Apr;156(4):1041–2
Preeclampsia [letter] Moore MP, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):257–9
A comparison of labetalol plus hospitalization versus hospitalization alone in the management of preeclampsia remote from term. Sibai BM, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):323–7
Clinical and endocrinological effects of intermittent abdominal decompression in complications of pregnancy. MacRae DJ, et al. **S Afr Med J** 1972 Jul 22;46(30):1027–33
Fetal and neonatal outcome in patients with severe pre-eclampsia before 34 weeks. Odendaal HJ, et al. **S Afr Med J** 1987 May 2;71(9):555–8
[Horner syndrome following percutaneous puncture of the internal jugular vein—a case report] Prenzel E, et al. **Anaesthesiol Reanim** 1986;11(6):365–7 (Eng. Abstr.) **(Ger)**
[Conservative management of severe pre-eclampsia at less than 36 weeks gestation] Katz Z, et al. **Harefuah** 1986 May 15;110(10):487–91 (Eng. Abstr.) **(Heb)**

URINE

Urinary diagnostic indices in preeclampsia-associated oliguria: correlation with invasive hemodynamic monitoring. Lee W, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):100–3
The use of urinary diagnostic indices in pre-eclampsia-associated oliguria. Gonik B, et al. **Am J Perinatol** 1987 Apr;4(2):138–9
Hypocalciuria in preeclampsia. Taufield PA, et al. **N Engl J Med** 1987 Mar 19;316(12):715–8

PREENING see under **GROOMING**

PRE-EXCITATION, MAHAIM TYPE see under **PRE-EXCITATION SYNDROMES**

PRE-EXCITATION SYNDROMES

Changing perspectives in the preexcitation syndromes [editorial] Castellanos A, et al. **N Engl J Med** 1987 Jul 9;317(2):109–11
[Pre-excitation syndrome. Arrhythmias caused by accessory conduction bundles] Mortensen PT, et al. **Ugeskr Laeger** 1986 Dec 29;149(1):4–8 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

[Electrophysiologic and clinical effects of amiodarone in patients with paroxysmal atrial tachycardia without ventricular pre-excitation] Lukl J. **Vnitr Lek** 1987 Apr; 33(4):313–23 (Eng. Abstr.) **(Cze)**
[Ventricular pre-excitation in childhood masked by complete atrioventricular block] Gallo G, et al. **Cardiologia** 1986 Apr; 31(4):311–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

When is the vectorcardiogram superior to the scalar electrocardiogram? Chou TC. **J Am Coll Cardiol** 1986 Oct; 8(4):791–9
Masqueraders: wide QRS complexes. Martinez-Lopez JI. **J La State Med Soc** 1987 Feb;139(2):9, 11–2
Localization of accessory atrioventricular pathways: what's the "gold standard?" [editorial]Gallagher JJ. **PACE** 1987 May;10(3 Pt 1):583–4
[Pre-excitation ventricular syndrome. Syndrome of the additional latent retrograde-conducting ventriculoatrial connection] Petrov D. **Vutr Boles** 1986;25(6):46–51 (Eng. Abstr.) **(Bul)**
[Short PR-normal QRS syndrome, pre-excitation syndrome or a variant of normal conduction?] Brembilla-Perrot B, et al. **Ann Cardiol Angeiol (Paris)** 1986 Jul–Sep;35(7):373–6 (Eng. Abstr.) **(Fre)**
[A case of intermittent preexcitation syndrome using a Mahaim fiber] Tsuchioka Y, et al. **Kokyu To Junkan** 1987 Feb;35(2):229–33 (Eng. Abstr.) **(Jpn)**
[Early ventricular repolarization syndrome and heart function in the inhabitants of Asia, Africa and Latin America] Akhmedov NA. **Kardiologiia** 1986 Jun;26(6):63–5 (Eng. Abstr.) **(Rus)**
[Heart rhythm disorders in the early ventricular polarization syndrome] Dąbrowski A, et al. **Kardiologiia** 1986 Nov; 26(11):102–3 **(Rus)**
[Early ventricular repolarization syndrome] Skorobogatyĭ AM. **Kardiologiia** 1986 Nov;26(11):107–10 (27 ref.) **(Rus)**

DRUG THERAPY

Effects of intravenous sotalol in patients with atrioventricular

accessory pathways. Touboul P, et al. **Am Heart J** 1987 Sep;114(3):545–50

[Effect of amiodarone on selected functions of blood platelets in patients with premature ventricular excitation] Florkiewicz H, et al. **Pol Tyg Lek** 1986 Sep 22; 41(38):1214–7 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Induction of premature ventricular complexes by hemodialysis? [letter] Wizemann V, et al. **Nephron** 1987; 45(1):76–7

FAMILIAL & GENETIC

Familial occurrence of accessory atrioventricular pathways (preexcitation syndrome). Vidaillet HJ Jr, et al. **N Engl J Med** 1987 Jul 9;317(2):65–9

Intrauterine supraventricular tachycardia with a familial history of Lown–Ganong–Levine syndrome [letter] Bosi G, et al. **Pediatr Cardiol** 1986;7(1):57–8

[Inheritance and the course of the ventricular pre–excitation syndrome] Smolenskiĭ VS, et al. **Klin Med (Mosk)** 1987 Jun;65(6):120–2 **(Rus)**

PHYSIOPATHOLOGY

Accessory pathway tachycardia: techniques of electrophysiologic study and mechanisms. Gallagher JJ. **Circulation** 1987 Apr;75(4 Pt 2):III31–6 (38 ref.)

Coexistent Mahaim and Kent accessory connections: diagnostic and therapeutic implications. Abbott JA, et al. **J Am Coll Cardiol** 1987 Aug;10(2):364–72

Supernormal conduction in the accessory pathway of patients with overt or concealed ventricular pre–excitation. Przybylski J, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1269–78

[2 cases of nodoventricular Mahaim fiber] Tsuchioka Y, et al. **Kokyu To Junkan** 1986 Oct;34(10):1131–6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Exercise thallium testing in ventricular preexcitation. Archer S, et al. **Am J Cardiol** 1987 May 1;59(12):1103–6

THERAPY

The management of preexcitation syndromes. Wellens HJ, et al. **JAMA** 1987 May 1;257(17):2325–33

[Resuscitation of a 36–year–old patient with a short PQ time and a history of Hodgkin's disease] Neyses L, et al. **Internist (Berlin)** 1987 Mar;28(3):196–9 **(Ger)**

PREFERRED PROVIDER ORGANIZATIONS see under **INSURANCE, HEALTH**

PREGNADIENES

[Danazol in congenital hypofibrinogenemia: 2 paradoxical effects] Ruiz–Argüelles GJ. **Rev Invest Clin** 1987 Jan–Mar; 39(1):59–62 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Low–dose danazol therapy in idiopathic thrombocytopenic purpura. Ahn YS, et al. **Ann Intern Med** 1987 Aug; 107(2):177–81

Dosage–related effects of danazol on sex hormone binding globulin and free and total androgen levels. Forbes KL, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):597–605

ADVERSE EFFECTS

Danazol–induced thrombocytopenia [letter] Rabinowe SN, et al. **Br J Haematol** 1987 Mar;65(3):383–4

Fulminant hepatic failure associated with aplastic anaemia after treatment with danazol. Case report. Nakajima T, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1013–5

Erythrocytosis induced by danazol in an anephric patient. Barton IK, et al. **Br Med J [Clin Res]** 1987 Mar 7; 294(6572):615

Danazol and benign intracranial hypertension. Shah A, et al. **Br Med J [Clin Res]** 1987 May 23;294(6583):1323

Hepatitis associated with danazol [letter] Ohsawa T, et al. **Drug Intell Clin Pharm** 1986 Nov;20(11):889

Endocrine consequences of danazol treatment in menorrhagia. Guoth J, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):79–83

Oestrogen modulators and clear cell carcinoma of vagina [letter] Sagar SM. **Lancet** 1987 Apr 18;1(8538):913

Clinically significant danazol–carbamazepine interaction. Zielinski JJ, et al. **Ther Drug Monit** 1987;9(1):24–7

[Polycythemia during treatment with danazol (letter)] Lederlin P, et al. **Presse Med** 1986 Oct 25;15(37):1884–5 **(Fre)**

BLOOD

Sensitive and selective assay of danazol in plasma by high–performance liquid chromatography. Hooper WD, et al. **J Chromatogr** 1987 May 15;416(2):347–52

Analysis of danazol in serum using high–performance liquid chromatography. Nygard GA, et al. **J Chromatogr** 1987 Apr 10;415(2):438–44

[Relative bioavailability in man of 2 pharmaceutical forms of canrenone] Bressolle F, et al. **Eur J Drug Metab Pharmacokinet** 1986 Jul–Sep; 11(3):165–70 (Eng. Abstr.) **(Fre)**

METABOLISM

Danazol binds to progesterone receptors and inhibits the growth of human endometrial cancer cells in vitro. Ikegami H, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):857–61

Carbamazepine–danazol drug interaction: its mechanism examined by a stable isotope technique. Krämer G, et al. **Ther Drug Monit** 1986;8(4):387–92

PHARMACODYNAMICS

Effect of danazol on gonadotropin and cAMP stimulated progesterone synthesis in cultured human granulosa cells. Olsson JH, et al. **Acta Endocrinol (Copenh)** 1987 Aug; 115(4):551–7

Enhancement of colonization of Ureaplasma urealyticum in the mouse genital tract by estrogen treatment. Iwasaka T, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1124–7

A comparison of the effects of danazol and gestrinone on testosterone binding to sex hormone binding globulin in vitro and in vivo. Dowsett M, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):555–63

Immune modulation by danazol in autoimmune thrombocytopenia. Mylvaganam R, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):281–7

Immunosuppresive effects of danazol in vitro. Hill JA, et al. **Fertil Steril** 1987 Sep;48(3):414–8

Effect of spironolactone and potassium canrenoate on cytosolic and nuclear androgen and estrogen receptors of rat liver. Francavilla A, et al. **Gastroenterology** 1987 Oct; 93(4):681–6

Early luteal function following danazol therapy for endometriosis. Balasch J, et al. **Hum Reprod** 1986 Aug; 1(5):291–3

Synchronization of estrus in postpartum beef cows with melengestrol acetate and prostaglandin F2 alpha. Beal WE, et al. **J Anim Sci** 1986 Aug;63(2):343–7

Effect of canrenone on the disturbances of cation handling induced by ouabain in macrophages and vascular smooth muscle cells. Hannaert P, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):867–72

The effect of nivazol and cortivazol, novel synthetic steroids containing a phenylpyrazolo A–ring substitution, on blood pressure in sheep. Spence CD, et al. **J Steroid Biochem** 1986 Sep;25(3):411–5

Clinical effect of danazol in patients with IgA nephropathy. Tomino Y, et al. **Jpn J Med** 1987 May;26(2):162–6

Involvement of natriuretic hormones and Na+ transport in the antihypertensive action of canrenone. Hannaert P, et al. **Uremia Invest** 1985–86;9(2):195–201

[The menstrual cycle after hormonal growth inhibition in girls] Kaiser R, et al. **Geburtshilfe Frauenheilkd** 1987 Jun; 47(6):410–3 (Eng. Abstr.) **(Ger)**

[Effects of danazol on serum lipid and lipoprotein levels in patients with endometriosis] Fukuda Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):980–6 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Laparoscopic findings and hormonal patterns in the treatment of endometriosis by danazol. Tolino A, et al. **Acta Eur Fertil** 1987 Mar–Apr;18(2):85–9

Danazol therapy in acquired idiopathic sideroblastic anemia. Doll DC, et al. **Acta Haematol (Basel)** 1987;77(3):170–1

Danazol therapy in refractory chronic immune thrombocytopenic purpura. Mazzucconi MG, et al. **Acta Haematol (Basel)** 1987;77(1):45–7

Efficacy of danazol in pure red cell aplasia. Lippman SM, et al. **Am J Hematol** 1986 Dec;23(4):373–9

Danazol and non–Hodgkin's malignant lymphomas [letter] Danel L, et al. **Ann Intern Med** 1987 Feb;106(2):329–30

Possible response of paroxysmal cold hemoglobinuria to danazol [letter] Gertz MA. **Ann Intern Med** 1987 Apr; 106(4):635

Long–term danazol treatment for an adolescent girl with aplastic anemia. Nakamura G, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):365–70

A controlled trial of danazol in the treatment of multiple recurrent breast cysts. Hinton CP, et al. **Br J Clin Pract** 1986 Sep;40(9):368–70

Beneficial effects of danazol on symptoms and laboratory changes in cholinergic urticaria. Wong E, et al. **Br J Dermatol** 1987 Apr;116(4):553–6

Danazol fails to increase factor VIII or IX levels in a double–blind crossover study of patients with haemophilia A and B. Nugent DJ, et al. **Br J Haematol** 1986 Nov; 64(3):493–502

A clinical trial using danazol for the treatment of premenstrual tension. Watts JF, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):30–4

Danazol in the treatment of women with metastatic breast cancer. Brodovsky HS, et al. **Cancer Treat Rep** 1987 Sep; 71(9):875–6

A possible mechanism of action of danazol and an ethinylestradiol/norgestrel combination used as postcoital contraceptive agents. Rowlands S, et al. **Contraception** 1986 Jun;33(6):539–45

Lack of effect of a spironolactone–containing cream on hair growth in hirsute women [letter] Gomez F, et al. **Dermatologica** 1987;174(2):102–3

Treatment with a luteinising hormone–releasing hormone analogue (Buserelin) in danazol–resistant endometriosis patients. Franssen AM, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec;23(5–6):379–86

Mild endometriosis and ovulatory dysfunction: effect of danazol treatment on success of ovulation induction. Dmowski WP, et al. **Fertil Steril** 1986 Nov;46(5):784–9

The second–look laparoscopy for evaluation of the result of medical treatment of endometriosis should not be performed during ovarian suppression. Evers JL. **Fertil Steril** 1987 Mar;47(3):502–4

Comparison of different treatment modalities of endometriosis in infertile women. Hull ME, et al. **Fertil Steril** 1987 Jan;47(1):40–4

CA 125 antigen is an effective diagnostic for external endometriosis. Takahashi K, et al. **Gynecol Obstet Invest** 1987;23(4):257–60

Treatment of sickle cell disease with danazol. Temple JD, et al. **J Fla Med Assoc** 1986 Nov;73(11):847–8

Danazol therapy for proximal obstruction of the oviduct. Claman P, et al. **J Reprod Med** 1986 Aug;31(8):687–9

The effect of danazol on prolactin concentration in premenopausal women with endometriosis. Milewicz A, et al. **Mater Med Pol** 1986 Sep–Dec;18(4):235–7

Effect of danazol in immune thrombocytopenic purpura. Schreiber AD, et al. **N Engl J Med** 1987 Feb 26; 316(9):503–8

Therapeutic effect of danazol on metrorrhagia in patients with idiopathic thrombocytopenic purpura (ITP). Ambríz R, et al. **Nouv Rev Fr Hematol** 1986;28(5):275–9

In vitro sensitivity of human ovarian tumors to chemotherapeutic agents with adjuvant danazol. Hunter G, et al. **Obstet Gynecol** 1987 Feb;69(2):233–6

Premenstrual syndrome: beneficial effects of periodic, low–dose danazol. Sarno AP Jr, et al. **Obstet Gynecol** 1987 Jul;70(1):33–6

The effect of LHRH agonist therapy in the treatment of endometriosis (English experience). Jelley RY, et al. **Prog Clin Biol Res** 1986;225:227–38

A preliminary report on the comparative use of buserelin (Hoe 766) and danazol in the treatment of endometriosis: the University of Southern California experience. Yee B. **Prog Clin Biol Res** 1986;225:175–88

[Hormonal modulation in disseminated lupus erythematosus: the preliminary results with danazol and cyproterone acetate] Jungers P, et al. **Ann Med Interne (Paris)** 1986; 137(4):313–9 (Eng. Abstr.) **(Fre)**

[Canrenone: an effective antihypertensive in an experimental model of hypertension in which the active transport of sodium is diminished] Grichois ML, et al. **Arch Mal Coeur** 1986 Jun;79(6):875–8 (Eng. Abstr.) **(Fre)**

[Danazol—does it really correct hereditary deficiencies?] Shachor Y, et al. **Harefuah** 1987 Mar 1;112(5):260–2 **(Heb)**

[Danazol therapy of infertile patients with endometriosis externa] Kincses L, et al. **Orv Hetil** 1987 Mar 29; 128(13):687–9 (Eng. Abstr.) **(Hun)**

[Treatment of mastopathy with danol] Svastics E, et al. **Orv Hetil** 1987 Feb 15;128(7):363–5 (Eng. Abstr.) **(Hun)**

[Effectiveness of danazol in the treatment of idiopathic precocious puberty. Review of the literature and description of a clinical case] De Marinis L, et al. **Minerva Endocrinol** 1986 Oct–Dec;11(4):253–9 (Eng. Abstr.) **(Ita)**

[Efficacy and tolerability of danazol in the treatment of menorrhagia syndrome: multicenter study] Flamigni C, et al. **Minerva Ginecol** 1987 Jan–Feb;39(1–2):77–84 (Eng. Abstr.) **(Ita)**

[A study on the diagnosis and treatment of the infertile patient with endometriosis externa by scoring] Masuzaki H. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):987–94 (Eng. Abstr.) **(Jpn)**

[Laparoscopic diagnosis and evaluation of danazol therapy of endometriosis in sterility] Utsunomiya T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1733–40 (Eng. Abstr.) **(Jpn)**

[Evaluation of danazol therapy in chronic refractory idiopathic thrombocytopenic purpura] Dan K, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1705–11 (Eng. Abstr.) **(Jpn)**

[Status of the estrogen– and progesterone receptor systems of the endometrium in patients with endometriosis treated with danazol] Adamian LV, et al. **Akush Ginekol (Mosk)** 1987 May;(5):51–3 (Eng. Abstr.) **(Rus)**

[3 cases of successful treatment of hereditary angioedema using a weak androgen (Danazol)] Cvitanović S, et al. **Plucne Bolesti** 1986 Jan–Mar;38(1):59–63 (Eng. Abstr.) **(Scr)**

TOXICITY

Fibrinolysis induced by danazol [letter] Rizzo SC, et al. **Blut** 1986 Oct;53(4):351–2

PREGNADIENETRIOLS

ISOLATION & PURIFICATION

Use of extraction columns for the isolation of desonide and parabens from creams and ointments for high–performance liquid chromatographic analysis. Nguyen TT, et al. **J Chromatogr** 1986 Sep 24;366:445–50

PREGNANCY

see related
PRENATAL CARE
PSEUDOPREGNANCY

Relationship between ultrasound findings in pregnancy and neonatal morbidity. Pachi A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:145–9

Examination of the uterine cervix by ultrasound in normal and pathologic pregnancy. Lampé L, et al. **Acta Med Hung** 1986;43(2):123–32

Intestinal bypass operation and pregnancy outcome. Knudsen LB, et al. **Acta Obstet Gynecol Scand** 1986;65(8):831–4

Moderate alcohol consumption—need for intervention programs in pregnancy? Meberg A, et al. **Acta Obstet Gynecol Scand** 1986;65(8):861–4

Smoking during pregnancy—effects on the fetal thyroid function. Meberg A, et al. **Acta Paediatr Scand** 1986 Sep; 75(5):762–6

Plasma levels of zinc, copper, magnesium and calcium during early weeks of gestation. Habib Z, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:602–5

Pregnancy after IUD use. Rioux JE, et al. **Adv Contracept** 1986 Jun;2(2):185–92

Transporting mothers with fetuses in utero to a level III perinatal center. Report of a clinical experience, 1978–1982. Owen J, et al. **Ala J Med Sci** 1987 Jan;24(1):17–21

Fat gain during pregnancy in rural African women: the effect of season and dietary status. Lawrence M, et al. **Am J Clin Nutr** 1987 Jun;45(6):1442–50

Young maternal age and adverse neonatal outcome. McAnarney ER. **Am J Dis Child** 1987 Oct;141(10):1053–9

Changes in alcohol, cigarette, and recreational drug use during pregnancy: implications for intervention. Johnson SF, et al. **Am J Epidemiol** 1987 Oct;126(4):695–702

Renal transplantation and pregnancy. Davison JM. **Am J Kidney Dis** 1987 Apr;9(4):374–80 (16 ref.)

Fetal protection and potential liability: judicial application of the Pregnancy Discrimination Act and the disparate impact theory. Moelis LS. **Am J Law Med** 1985; 11(3):369–90

Transactions of the fifth annual meeting of the American and Gynecological and Obstetrical Society. **Am J Obstet Gynecol** 1987 Apr;156(4):769–884

Transabdominal and transvaginal endosonography: evaluation of the cervix and lower uterine segment in pregnancy. Brown JE, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):721–6

Kell sensitization in pregnancy [letter] Frigoletto FD Jr. **Am J Obstet Gynecol** 1987 Mar;156(3):766

Pregnancy-induced changes in the fibrinolytic balance: evidence for defective release of tissue plasminogen activator and increased levels of the fast-acting tissue plasminogen activator inhibitor. Gore M, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):674–80

Aerobic exercise in pregnancy. Kulpa PJ, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1395–403

Collagenolysis in human vaginal tissue during pregnancy and delivery: a light and electron microscopic study. Manabe Y, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1060–6

Improved pregnancy rate with monitoring of gonadotropin therapy by three modalities. March CM. **Am J Obstet Gynecol** 1987 Jun;156(6):1473–9

Pregnancy after treatment in patients with prolactinoma: operation versus bromocriptine. Samaan NA, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1300–5

Development of uterine artery compliance in pregnancy as detected by Doppler ultrasound. Schulman H, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1031–6

Proportional weight gain and complications of pregnancy, labor, and delivery in healthy women of normal prepregnant stature [published erratum appears in Am J Obstet Gynecol 1987 Jul;157(1):217] Shepard MJ, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):947–54

Successful pregnancy outcome after cervical dilation with multiple laminaria tents in preparation for second-trimester elective abortion: a report of two cases. Van Le L, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):612–3

Short interpregnancy interval: a risk factor for low birthweight. Brody DJ, et al. **Am J Perinatol** 1987 Jan; 4(1):50–4

Weight gain during pregnancy [editorial] Chez RA. **Am J Public Health** 1986 Dec;76(12):1390–1

Alcohol consumption among pregnant smokers: effects of a smoking cessation intervention program. Fox NL, et al. **Am J Public Health** 1987 Feb;77(2):211–3

Smoking during pregnancy, 1967–80. Kleinman JC, et al. **Am J Public Health** 1987 Jul;77(7):823–5

Advice about weight gain during pregnancy and actual weight gain. Taffel SM, et al. **Am J Public Health** 1986 Dec;76(12):1396–9

The pregnant OR employee. Part I: Ensuring maternal health. Drinville-Shank G. **AORN J** 1987 Feb;45(2):404–10

Prior pregnancy and melanoma survival [letter] Bork K, et al. **Arch Dermatol** 1986 Oct;122(10):1097

Delivery following removal and chemotherapy of ovarian endodermal sinus tumor. Matsuoka R, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):137–40

Racial variations in obstetric practice. Cauchi MN. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):106–10

The beta-geometric distribution applied to comparative fecundability studies. Weinberg CR, et al. **Biometrics** 1986 Sep;42(3):547–60

Functional and immunologic protein S levels are decreased during pregnancy. Comp PC, et al. **Blood** 1986 Oct; 68(4):881–5

Pregnancy and delivery after bone marrow transplantation (BMT) for severe aplastic anemia (SAA). A case report. Hinterberger-Fischer M, et al. **Blut** 1987 May;54(5):313–5

Thyroid cancer among young women related to prior thyroid disease and pregnancy history. Preston-Martin S, et al. **Br J Cancer** 1987 Feb;55(2):191–5

Pregnant women's working conditions and their changes during pregnancy: a national study in France. Saurel-Cubizolles MJ, et al. **Br J Ind Med** 1987 Apr; 44(4):236–43

Choice of control population in studies of adverse reproductive effects of occupational exposures and its effect on risk estimates. Sheikh K. **Br J Ind Med** 1987 Apr; 44(4):244–9

Estimating a woman's risk of having a pregnancy associated with Down's syndrome using her age and serum alpha-fetoprotein level. Cuckle HS, et al. **Br J Obstet Gynaecol** 1987 May;94(5):387–402

Changes in transplanted kidney volume measured by ultrasound. Absy M, et al. **Br J Radiol** 1987 Jun; 60(714):525–9

Dietary supplementation in pregnancy [letter] **Br Med J [Clin Res]** 1986 Sep 20;293(6549):759

Prognosis of subsequent pregnancies after recurrent spontaneous abortion in first trimester. Vlaanderen W, et al. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):92–3

Abusing children by smoking. Cahan WG. **CA** 1987 Jan–Feb; 37(1):31–2

Care of the pregnant patient. Schwartz M, et al. **Can Dent Assoc J** 1987 Apr;53(4):299–301 (23 ref.)

Determination of the structure of a fucose-containing trisaccharide monophosphate isolated from human pregnancy urine. Derappe C, et al. **Carbohydr Res** 1986 Aug 1;150:273–84

Combined pelvic sonography and serum beta hCG, versus laparoscopy for the diagnosis of stable patient suspected of ectopic pregnancy. Achiron R, et al. **Clin Exp Obstet Gynecol** 1987;14(1):15–22

Maternity information systems [letter] Kernohan EE. **Community Med** 1986 Aug;8(3):252–3

Pregnancy following minilaparotomy tubal sterilization—an update of an international data set. Chi IC, et al. **Contraception** 1987 Feb;35(2):171–8

The unborn and the newborn child. Present obstetric risk grouping fails to predict complicated labour and neonatal morbidity. Holst K. **Dan Med Bull** 1987 Jun;34(3):173–7

Alcohol consumption during pregnancy: a critical review. Zuckerman BS, et al. **Dev Med Child Neurol** 1986 Oct; 28(5):649–54 (38 ref.)

Publication trends in fetal alcohol, tobacco and narcotic effects. Abel EL, et al. **Drug Alcohol Depend** 1986 Sep; 18(1):107–14

Unmarried at delivery. I. The mothers and their care. Henriques J, et al. **Early Hum Dev** 1986 Dec;14(3–4):201–16

Smoking patterns during and before pregnancy: weight, length and head circumference of progeny. Borlee I, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):171–7

Quantitative morphology of the placenta. III. The growth of the placenta and its relationship to birth weight. Bouw GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr; 8(2):73–6

Successful pregnancy after renal transplantation in a patient with a urinary diversion. Hein PR, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Jun;8(3):129–32

The rising incidence of heterotopic pregnancy: two case reports. Vanderheyden JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):341–6

Unintended pregnancy among American women. Forrest JD. **Fam Plann Perspect** 1987 Mar-Apr;19(2):76–7

Smoking and reproduction. Lincoln R. **Fam Plann Perspect** 1986 Mar-Apr;18(2):79–84 (71 ref.)

Perinatal effects of drugs of abuse. Braude MC, et al. **Fed Proc** 1987 May 15;46(7):2446–53

Prognostic factors influencing the pregnancy rate after microsurgical cornual anastomosis. Donnez J, et al. **Fertil Steril** 1986 Dec;46(6):1089–92

Cumulative pregnancy rates for in vitro fertilization. Guzick DS, et al. **Fertil Steril** 1986 Oct;46(4):663–7

A simple and effective technique for increasing pregnancy rates in couples with retrograde ejaculation. Urry RL, et al. **Fertil Steril** 1986 Dec;46(6):1124–7

Pregnant women as fetal containers. Annas GJ. **Hastings Cent Rep** 1986 Dec;16(6):13–4

Nurses applaud court's push for maternity leave. Burda D. **Hospitals** 1987 Mar 5;61(5):55

Diets of Asian pregnant women in Harrow: iron and vitamins. Abraham R, et al. **Hum Nutr Appl Nutr** 1987 Jun; 41(3):164–73

Observations on 767 clinical pregnancies and 500 births after human in-vitro fertilization. Steptoe PC, et al. **Hum Reprod** 1986 Feb;1(2):89–94

The effects of social support on alcohol consumption during pregnancy: situational and ethnic/cultural considerations. Stephens CJ. **Int J Addict** 1987 Jul;22(7):609–19

Cigarettes, alcohol and marijuana: varying associations with birthweight. Kline J, et al. **Int J Epidemiol** 1987 Mar; 16(1):44–51

Pregnant immigrant women: occupational activity, antenatal care and outcome. Stengel B, et al. **Int J Epidemiol** 1986 Dec;15(4):533–9

Outcome of pregnancy following investigation and treatment of infertility. Varma TR, et al. **Int J Gynaecol Obstet** 1987 Apr;25(2):113–20

Physical and emotional responses of expectant fathers throughout pregnancy and the early postpartum period. Clinton JF. **Int J Nurs Stud** 1987;24(1):59–68

A nutrition study involving a group of pregnant women in Assisi, Italy. Part 1: Anthropometry, dietary intake and nutrition knowledge, practices and attitudes. Fidanza AA, et al. **Int J Vitam Nutr Res** 1986;56(4):373–80

The density of fat-free body mass during pregnancy. Fidanza F. **Int J Vitam Nutr Res** 1987;57(1):104

The use of non-essential drugs, alcohol and cigarettes during pregnancy. Harrison R. **Ir Med J** 1986 Dec;79(12):338–41 (76 ref.)

Comparing methods to assess dietary sodium intake in pregnancy. Brown MA, et al. **J Am Diet Assoc** 1987 Aug; 87(8):1058–60

Older pregnant women and adolescents: nutrition data after enrollment in WIC. Endres J, et al. **J Am Diet Assoc** 1987 Aug;87(8):1011–6, 1019

Factors that influence the outcome of pregnancy in middle-class women. Mitchell MC, et al. **J Am Diet Assoc** 1987 Jun;87(6):731–5

Paternal adaptation through the course of the partner's pregnancy. Ellsbury KE. **J Fam Pract** 1987 Apr; 24(4):407–9

Ovarian and intrauterine heterotopic pregnancy following clomiphene ovulation induction: report of a healthy live birth. McLain PL, et al. **J Fam Pract** 1987 Jan;24(1):76–9

Unintended pregnancy—a U.S. problem. McCammon RE. **J Fla Med Assoc** 1986 Oct;73(10):760–2

Comparison of two media in a human in vitro fertilization program: lack of significant differences in pregnancy rate. Cummins JM, et al. **J In Vitro Fert Embryo Transfer** 1986 Oct;3(5):326–30

Secondary abdominal pregnancy associated with normal intra-uterine pregnancy [letter] Buckshee K, et al. **J Indian Med Assoc** 1987 Feb;85(2):60

Emerging notions of women's rights and responsibilities during gestation. Blank RH. **J Leg Med (Chicago)** 1986 Dec;7(4):441–69

The pregnant smoker: nursing implications. Alexander LL. **J Obstet Gynecol Neonatal Nurs** 1987 May-Jun; 16(3):167–73

Pregnancy and employment leave: legal precedents and future policy. Gardin SK, et al. **J Public Health Policy** 1986 Winter;7(4):458–69

Co-existent intrauterine and ectopic tubal pregnancy. Printer KD. **J R Army Med Corps** 1987 Jun;133(2):85–6

Placental immunoregulatory factors. Chaouat G. **J Reprod Immunol** 1987 Mar;10(3):179–88

Autologous mixed lymphocyte reaction (AMLR) in man. XVI. The AMLR and monoclonal antibody-defined T cell subsets and HNK 1+ natural killer cells in normal human pregnancy. Gupta S, et al. **J Reprod Immunol** 1986 Apr; 9(1):1–9

Increased echogenicity in the lower fetal abdomen: a common normal variant in the second trimester. Fakhry J, et al. **J Ultrasound Med** 1986 Sep;5(9):489–92

Intrauterine pregnancy following conservative treatment of cervical pregnancy. Faustin D, et al. **J Ultrasound Med** 1987 Aug;6(8):467–70

Distinguishing normal from abnormal gestational sac growth in early pregnancy. Nyberg DA, et al. **J Ultrasound Med** 1987 Jan;6(1):23–7

Leads from the MMWR. Rubella vaccination during pregnancy—United States, 1971–1986. **JAMA** 1987 Aug 14;258(6):753, 757

Leads from the MMWR. Use of supplements containing high-dose vitamin A—New York State, 1983–1984. **JAMA** 1987 Mar 13;257(10):1292, 1297

Outcome of pregnancy in survivors of Wilms' tumor. Li FP, et al. **JAMA** 1987 Jan 9;257(2):216–9

Pregnancy and delivery following cardiac operations. Tanaka T, et al. **Jpn Circ J** 1986 Sep;50(9):918–22

Atrial natriuretic peptide concentrations during pregnancy [letter] **Lancet** 1987 May 30;1(8544):1267

Combined intra-abdominal and intrauterine pregnancies after gamete intrafallopian transfer [letter] Abdalla HI, et al. **Lancet** 1986 Nov 15;2(8516):1153–4

Pregnancy following sterilisation: two cases fail. Brahams D. **Lancet** 1987 Mar 14;1(8533):638

Yesterday's unwanted babies: today's teenage pregnancies [letter] Lovel H, et al. **Lancet** 1987 May 2;1(8540):1036–7

Trophoblast cells and maternal blood [letter] Pool C, et al. **Lancet** 1987 Apr 4;1(8536):804–5

Reduction of ectopic pregnancy by injection under ultrasound control [letter] Robertson DE, et al. **Lancet** 1987 Apr 25;1(8539):974–5

Pregnancy rates after high intrauterine insemination of husband's spermatozoa or gamete intrafallopian transfer [letter] Yovich JL, et al. **Lancet** 1986 Nov 29;2(8518):1287

Appropriate timing of ultrasound scans in early pregnancy [letter] [published erratum appears in Med J Aust 1986 Dec 1–15;145(11–12):664] Furness ME. **Med J Aust** 1986 Oct 20;145(8):426–7

Use of car seat belts during pregnancy [letter] Herbert DC. **Med J Aust** 1983 Jan 8;1(1):12

Pregnancies after pronuclear stage transfer [letter] Matson

PL, et al. **Med J Aust** 1987 Jan 5;146(1):60
Rubella vaccination during pregnancy—United States, 1971–1986. **MMWR** 1987 Jul 24;36(28):457–61
Use of supplements containing high-dose vitamin A—New York State, 1983–1984. **MMWR** 1987 Feb 20;36(6):80–2
Protecting the liberty of pregnant patients [editorial] Annas GJ. **N Engl J Med** 1987 May 7;316(19):1213–4
Conservative surgery of infertile patients with pelvic endometriosis—factors affecting the pregnancy rate and expectancy. Hori M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Oct; 38(10):1763–9
The occurrence of symptoms in expectant fathers. Strickland OL. **Nurs Res** 1987 May-Jun;36(3):184–9
Pregnancy rates with artificial insemination by donor: the influence of the cryopreservation method and coexistent infertility factors. Gillett WR, et al. **NZ Med J** 1986 Nov 26;99(814):891–3
Myositis ossificans progressiva and pregnancy. Fox S, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):453–5
Selenium in pregnancy: effect of maternal drinking. Halmesmäki E, et al. **Obstet Gynecol** 1986 Nov;68(5):602–5
Pregnancy rates after hysterosalpingography with oil- and water-soluble contrast media [letter] Surrey E, et al.
Obstet Gynecol 1987 May;69(5):830–1
Combined pregnancy: the Mount Sinai experience. Bello GV, et al. **Obstet Gynecol Surv** 1986 Oct;41(10):603–13
Seat belts in pregnancy and the obstetrician. Schoenfeld A, et al. **Obstet Gynecol Surv** 1987 May;42(5):275–82 (62 ref.)
Is moderate drinking during pregnancy associated with an increased risk for malformations? Mills JL, et al.
Pediatrics 1987 Sep;80(3):309–14
Our willy-nilly childbearing: unintended and teenage pregnancy in the United States. Klein L. **Pharos** 1986 Fall; 49(4):27–9
Nutritional aspects of preconceptional period as related to pregnancy and early infancy. Vobecky JS.
Prog Food Nutr Sci 1986;10(1–2):205–36 (127 ref.)
Diagnosis of combined intra and extra uterine gestations. James K. **Radiography** 1987 Jan–Feb;53(607):15–6
Aspects of patient care: the consumer's view of ultrasound in pregnancy. Roberts EJ. **Radiography** 1986 Nov–Dec; 52(606):293–4
Intradecidual sign: a US criterion of early intrauterine pregnancy. Yeh HC, et al. **Radiology** 1986 Nov; 161(2):463–7
Dietary restriction during pregnancy among the Pedis [letter] Chalmers B. **S Afr Med J** 1986 Oct 25;70(9):568
Postpartum sterilisation with the Filshie titanium silicone-rubber clip and subsequent pregnancy. de Villiers VP. **S Afr Med J** 1987 Apr 18;71(8):498–9
Combined extra- and intra-uterine pregnancy—a diagnostic problem. A case report. Heard NM. **S Afr Med J** 1987 Aug 15;72(4):286–7
Combined extra- and intra-uterine pregnancies. A report of 3 cases. Ombelet W, et al. **S Afr Med J** 1986 Oct 25; 70(9):559–60
The obstetric scene in Cape Town, 1974–1983. A ray of demographic hope. van Coeverden de Groot HA.
S Afr Med J 1986 Oct 25;70(9):523–5
Female reproductive development: a hazards model analysis. Foster A, et al. **Soc Biol** 1986 Fall-Winter;33(3–4):183–98
Comparison of a dietary attitude index based on questionnaire data and a 7-day diet recall interview: a study among pregnant women. Olsen J, et al. **Soc Sci Med** 1987; 24(4):379–82
Duration of involuntary infertility and subsequent pregnancy. Basralian KR, et al. **Urology** 1987 Jun;29(6):635–7
[Drug therapy of pregnant women] Katsulov A, et al.
Akush Ginekol (Sofiia) 1987;26(3):7–10 (Eng. Abstr.) **(Bul)**
[Course of pregnancy and labor in primiparas over than 30-years-old] Tanchev S, et al. **Akush Ginekol (Sofiia)** 1986;25(4):13–7 (Eng. Abstr.) **(Bul)**
[Obstetrical and gynecologic prophylaxis of medical demographic risks in family development] Vasilev D.
Akush Ginekol (Sofiia) 1987;26(2):1–7 (Eng. Abstr.) **(Bul)**
[Completed pregnancy after total adrenalectomy for Cushing's syndrome] Poršová I, et al. **Vnitr Lek** 1986 Aug; 32(8):814–7 (Eng. Abstr.) **(Cze)**
[Rubella immune status in pregnant women] Bitsch M, et al. **Ugeskr Laeger** 1986 Sep 1;148(36):2291–2 (Eng. Abstr.) **(Dan)**
[The occupational environment and pregnancy. Occupational medicine advice to pregnant women in potentially high-risk occupational environments] Bonde JP, et al.
Ugeskr Laeger 1987 Mar 2;149(10):677–80 (Eng. Abstr.) **(Dan)**
[Alcohol-drinking habits among pregnant women in Odense 1985–1986] Olsen J, et al. **Ugeskr Laeger** 1987 May 18; 149(21):1420–2 (Eng. Abstr.) **(Dan)**
[Ultrasonic determination of the position of a coil when pregnancy has occurred] Ulrich LG, et al.
Ugeskr Laeger 1987 Apr 13;149(16):1058–9 (Eng. Abstr.) **(Dan)**
[The severity of semen abnormalities in the partner in relation to the possibility of pregnancy following donor insemination] Kloosterman MD, et al.
Ned Tijdschr Geneeskd 1987 May 16;131(20):858–60 (Eng. Abstr.) **(Dut)**
[31st meeting of French language gynecologists and obstetricians. Tours, 17–20 September 1986. Proceedings and abstracts] **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15 Suppl:1–131 **(Fre)**
[Pelvimetry using x-ray computed tomography] Camus M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(3):327–33 (Eng. Abstr.) **(Fre)**
[Study of peripheral resistance in pregnant women. Preliminary results] Rey E, et al.
J Gynecol Obstet Biol Reprod (Paris) 1986;15(8):1043–8 (Eng. Abstr.) **(Fre)**
[Pregnancy after treated breast cancer. Results of a case-control study] Mignot L, et al. **Presse Med** 1986 Nov 8;15(39):1961–4 (Eng. Abstr.) **(Fre)**
[Vaccination and pregnancy] Rotivel Y, et al. **Therapie** 1986 Nov–Dec;41(6):511–5 (13 ref.) (Eng. Abstr.) **(Fre)**
[Profile of the consumption of caffeine, cigarettes and alcohol by women in Quebec during pregnancy]
Beaulac-Baillargeon L, et al. **Union Med Can** 1986 Nov; 115(11):813–7, 821 (Eng. Abstr.) **(Fre)**
[Annual meeting of the Austrian Society for Gynecology and Obstetrics. May 1986, Eisenstadt. Abstracts]
Gynakol Rundsch 1986;26 Suppl 2:1–327 **(Ger)**
[Healthy living during pregnancy. I] **Gynakologe** 1987 Jun; 20(2):77–136 **(Ger)**
[Contraception and pregnancy. Study of comparative risks] Ecker-Schlipf B. **Med Monatsschr Pharm** 1987 Apr; 10(4):115–20 **(Ger)**
[Forensic problems in unrecognized pregnancy in premenopause] Link M. **Z Arztl Fortbild (Jena)** 1986; 80(21):897–8 **(Ger)**
[Term pregnancy in a patient with Hodgkin's disease subjected to multi-chemotherapy treatment combined with radiotherapy (description of a typical case)] Migliavacca A, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):290–5 (Eng. Abstr.) **(Ita)**
[Colonization of pregnant women by group B streptococci in Trieste] Campello C, et al. **Minerva Ginecol** 1987 Jun; 39(6):405–10 (Eng. Abstr.) **(Ita)**
[39th symposium of the Japan Society of Obstetrics and Gynecology. Tokyo, Japan, April 1–3, 1987. Abstracts]
Nippon Sanka Fujinka Gakkai Zasshi 1987 Feb;39 Suppl:S2–396 **(Jpn)**
[Studies of endometrial granulocytes in early pregnant decidual tissue by means of double immunofluorescent staining and flow cytometry] Watanabe S.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Jun;39(6):972–9 (Eng. Abstr.) **(Jpn)**
[Papers presented at the anniversary meeting of the Polish Gynecologic Society. Krakow, 8–10 September 1985]
Ginekol Pol 1986 Sep;57(9):566–630 **(Pol)**
[Vaginal biocenosis in advanced pregnancy, gestosis and prolonged pregnancy] Lotocki W, et al. **Ginekol Pol** 1986 Sep;57(9):600–4 (Eng. Abstr.) **(Pol)**
[Fluorescent analysis of vaginal smears of pregnant women in the perinatal period] Malarewicz A, et al.
Ginekol Pol 1986 May;57(5):337–43 (Eng. Abstr.) **(Pol)**
[Interrelation of the nutritional status of the pregnant woman, smoking during pregnancy, fetal growth and the 1st year of life] de Siqueira AA, et al. **Rev Saude Publica** 1986 Dec; 20(6):421–34 (Eng. Abstr.) **(Por)**
[Rational nutrition for pregnant and breast-feeding women] Zakrevskiĭ AA. **Akush Ginekol (Mosk)** 1986 Oct;(10):71–5 **(Rus)**
[Combined extrauterine and uterine pregnancies] Aronov BE. **Sov Med** 1986;(8):118–9 **(Rus)**
[Action of furagin, nystatin and levorin with bile acids on the vaginal microflora of pregnant women] Kuchuma ZN.
Vrach Delo 1986 Oct;(10):10–3 (Eng. Abstr.) **(Rus)**
[Anthropometric characteristics and somatotypes of active pregnant athletes during psychosomatic preparation for childbirth] Kovalčíková J, et al. **Cesk Gynekol** 1987 Apr; 52(3):198–204 (Eng. Abstr.) **(Slo)**
[Trends of 2 indicators of the effect of primary care in Colombia] Bustamante Alvarez R, et al.
Bol Of Sanit Panam 1987 Feb;102(2):159–67 (Eng. Abstr.) **(Spa)**
[Participatory education of the community in perinatal care. Methodological aspects] Torres Pereyra J.
Bol Of Sanit Panam 1987 Feb;102(2):168–74 **(Spa)**
[Procoagulant properties of the amniotic fluid I. Thromboplastin acceleration time in amniotic fluid throughout normal pregnancies. Its clinical perspectives] Angeles Weintraub CD, et al. **Ginecol Obstet Mex** 1986 Oct;54:260–4 (Eng. Abstr.) **(Spa)**
[Prostaglandins in reproductive processes] Silhy Sesin EK.
Ginecol Obstet Mex 1986 Dec;54:317–22 (Eng. Abstr.) **(Spa)**

BLOOD

Evaluation of enzyme inhibitors of pregnancy associated oxytocinase: application to the measurement of plasma immunoreactive oxytocin during human labour. Burd JM, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):458–64
Decreased serum thyroglobulin levels in the late stage of pregnancy. Hara Y, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):418–23
Oestrogen and thyroxine-binding globulin levels in early normal pregnancy. Sparre LS, et al.
Acta Endocrinol (Copenh) 1987 Feb;114(2):298–304
Gastrointestinal hormones and cortisol in normal pregnant women and women with gestational diabetes. Hornnes PJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:24–6
Serum phenytoin during pregnancy, labor and puerperium. Bardy AH, et al. **Acta Neurol Scand** 1987 Jun;75(6):374–5
Plasma fibronectin concentration in normal pregnancy and pre-eclampsia. Eriksen HO, et al.
Acta Obstet Gynecol Scand 1987;66(1):25–8
Plasma pipecolic acid concentration in normal pregnant women, children and adults. Nakajima M, et al.
Acta Paediatr Scand 1987 Jul;76(4):677–8
Pharmacokinetics of pivmecillinam hydrochloride in pregnant and non-pregnant women. Kjer JJ, et al.
Acta Pharmacol Toxicol (Copenh) 1986 Nov;59(5):430–1
Kininogen as a pregnancy-associated plasma protein. Kärkkäinen T, et al. **Adv Exp Med Biol** 1986;198 Pt A:167–72
Studies of fibrinopeptide A, fibrinopeptide B beta 15–42, HMW-kininogen and kinin in cases of caesarean section. Mutoh S, et al. **Adv Exp Med Biol** 1986;198 Pt B:35–9
Studies of fibrinopeptide A, fibrinopeptide B beta 15–42 HMW-kininogen and kinin during normal pregnancy labor and puerperium. Mutoh S, et al. **Adv Exp Med Biol** 1986; 198 Pt B:41–4
Plasma amino acid, glucose, and insulin responses to moderate-protein and high-protein test meals in pregnant, nonpregnant, and gestational diabetic women. Fitch WL, et al. **Am J Clin Nutr** 1987 Aug;46(2):243–9
Normal pregnancy in a patient with a postpartum factor VIII inhibitor. Vicente V, et al. **Am J Hematol** 1987 Jan; 24(1):107–9
Effects of plasma on the platelet antiaggregatory action of prostacyclin in pregnancy. Baker VV, et al.
Am J Obstet Gynecol 1987 Apr;156(4):974–7
Uteroplacental unit as a source of elevated circulating prorenin levels in normal pregnancy. Brar HS, et al.
Am J Obstet Gynecol 1986 Dec;155(6):1223–6
Human chorionic gonadotropin increase in normal early pregnancy. Daya S. **Am J Obstet Gynecol** 1987 Feb; 156(2):286–90
Decreased fetal movements with sustained maternal hyperglycemia using the glucose clamp technique. Edelberg SC, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1101–5
Digoxin-like immunoreactive substance in pregnancy. González AR, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):660–4
Observations on the log human chorionic gonadotropin-time relationship in early pregnancy and its practical implications. Kadar N, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):73–8
Riboflavin concentration in maternal and cord blood in human pregnancy. Kirshenbaum NW, et al.
Am J Obstet Gynecol 1987 Sep;157(3):748–52
Comparative evaluation of antepartum and postpartum platelet function in smokers and nonsmokers. Leuschen MP, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1276–80
Detection of early pregnancy factor in human sera. Qin ZH, et al. **Am J Reprod Immunol Microbiol** 1987 Jan;13(1):15–8
Pregnancy and oxygen dissociation [letter] Hess W.
Anesthesiology 1987 Jun;66(6):854–5
Effect of normal and preeclamptic pregnancies on the oxyhemoglobin dissociation curve. Kambam JR, et al.
Anesthesiology 1986 Oct;65(4):426–7
Succinylcholine in peripartum patients [letter] Ramzan IM.
Anesthesiology 1986 Oct;65(4):441–2
Calcium, vitamin D and parathyroid hormone relationships in pregnant Caucasian and Asian women and their neonates. Okonofua F, et al. **Ann Clin Biochem** 1987 Jan; 24 (Pt 1):22–8
Glycosylated serum proteins and glycosylated haemoglobin in normal pregnancy. van Dieijen-Visser MP, et al.
Ann Clin Biochem 1986 Nov;23 (Pt 6):661–6
Estrogen-induced transcortin increase and progesterone and cortisol interactions: implications from pregnancy studies. Evans JJ, et al. **Ann Clin Lab Sci** 1987 Mar-Apr;17(2):101–5
Factor VIII procoagulant antigen levels in normal pregnancy and preeclampsia. Lazarchick J, et al. **Ann Clin Lab Sci** 1986 Sep-Oct;16(5):395–8
Serum aminopeptidase A (AAP) in normal pregnancy and pregnancy complicated by pre-eclampsia. Mizutani S, et al. **Arch Gynecol** 1987;240(1):27–31
Trends of oestriol and progesterone in normal pregnancies. Evans JJ, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec; 12(4):529–31
Maternal serum cholinesterase levels in pregnant women in healthy and diseased states. Satyanarayana M.
Asia Oceania J Obstet Gynaecol 1986 Sep;12(3):425–31
Properties and serum levels of pregnancy-associated variant of human transcortin. Avvakumov GV, et al.
Biochim Biophys Acta 1987 Jul 16;925(1):11–6
Characterization of three aminopeptidases purified from maternal serum. Lalu K, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):190–7
Failure of placenta to produce hPL in an otherwise uneventful pregnancy: a case report. Barbieri F, et al.
Biol Res Pregnancy Perinatol 1986;7(3):131–3
Fibrinolysis in pregnancy: a study of plasminogen activator inhibitors. Kruithof EK, et al. **Blood** 1987 Feb;69(2):460–6
Erythropoiesis in pregnancy. Howells MR, et al.
Br J Haematol 1986 Nov;64(3):595–9
The disappearance rate of Schwangerschaftsprotein 1 in normal and pathological pregnancies. Huttenmoser JL, et al. **Br J Obstet Gynaecol** 1987 May;94(5):420–4
Low serum selenium concentration and glutathione

peroxidase activity in intrahepatic cholestasis of pregnancy. Kauppila A, et al. **Br Med J [Clin Res]** 1987 Jan 17; 294(6565):150–2

Increased concentration of circulating calcitonin gene related peptide during normal human pregnancy. Stevenson JC, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1329–30

A comparative study of longitudinal and cross-sectional changes in plasma levels of prolactin and estriol during normal pregnancy. Ferriani RA, et al. **Braz J Med Biol Res** 1986;19(2):183–8

Serum concentrations of organochlorine compounds during pregnancy and the newborn. Roncevic N, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):117–24

The serum and red cell folate levels in pregnant women in Beijing. Zhang A, et al. **Chin Med J [Engl]** 1986 Nov; 99(11):899–902

Comparison of successive pregnancies provides evidence for a maternal component in determining circulating steroid concentrations. Evans JJ, et al. **Clin Chem** 1987 Aug; 33(8):1476

Corticosteroid binding globulin in normotensive and hypertensive human pregnancy. Potter JM, et al. **Clin Sci** 1987 Jun;72(6):725–35

Plasma calcitonin variations in normal women and in women with family history of diabetes during pregnancy. Sgambato S, et al. **Diabete Metab** 1986 Dec;12(6):297–301

Plasma thromboxane and prostacyclin: comparison during normal pregnancy and pregnancy complicated by hypertension. Ogino M, et al. **Endocrinol Jpn** 1986 Apr; 33(2):197–202

Haemoglobin A1c levels in normal and diabetic pregnancies. Griffiths RJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar;24(3):195–200

Vasopressor substances in normal and abnormal pregnancy. Weir RJ. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1–2):75–85 (49 ref.)

Pregnancy-specific parameters after IVF [letter] Englert Y. **Fertil Steril** 1987 Feb;47(2):360–1

Doubling time of human chorionic gonadotropin (hCG) in early normal pregnancy: relationship to hCG concentration and gestational age. Fritz MA, et al. **Fertil Steril** 1987 Apr; 47(4):584–9

An evaluation of peripheral blood platelet enumeration as a monitor of fertilization and early pregnancy. Roberts TK, et al. **Fertil Steril** 1987 May;47(5):848–54

Loss of circadian rhythms of fetal behaviour in a totally adrenalectomized pregnant woman. Arduini D, et al. **Gynecol Obstet Invest** 1987;23(4):226–9

Indices of collagen metabolism in pregnancy and postpartum period. Kucharz EJ. **Gynecol Obstet Invest** 1986; 22(4):169–71

A new case of Hb Little Rock [beta 143(H21)His——Gln], a high affinity variant. Study during pregnancy. Francina A, et al. **Hemoglobin** 1987;11(2):113–22

Human placental lactogen in pathological pregnancies. Sivaprasad N, et al. **Indian J Med Res** 1986 Dec;84:594–7

Serum protein profile in normal pregnancy and in relation to parity. Tandon SN, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):227–33

Oropharyngeal absorption of atropine. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):627–9

Determination of trace and bulk elements in plasma and erythrocytes of healthy pregnant women by PIXE method. Gödény S, et al. **Int J Gynaecol Obstet** 1986 Jun; 24(3):191–9

A nutrition study involving a group of pregnant women in Assisi, Italy. Part 2: Determination of vitamin nutriture. Fidanza AA, et al. **Int J Vitam Nutr Res** 1986;56(4):381–6

Serum magnesium in women during pregnancy, while taking contraceptives, and after menopause. Stanton MF, et al. **J Am Coll Nutr** 1987 Aug;6(4):313–9

Mass spectrometer system for continuous skin-surface and intravascular blood gas measurement of maternal-fetal respiration in labour. Spencer JA, et al. **J Biomed Eng** 1987 Apr;9(2):161–8

Plasma corticotropin-releasing hormone concentrations during pregnancy and parturition. Campbell EA, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1054–9

Changing osteocalcin concentrations during pregnancy and lactation: implications for maternal mineral metabolism. Cole DE, et al. **J Clin Endocrinol Metab** 1987 Aug; 65(2):290–4

Source of plasma prorenin in early and late pregnancy: observations in a patient with primary ovarian failure. Derkx FH, et al. **J Clin Endocrinol Metab** 1987 Aug; 65(2):349–54

Correlation of hormones with lipid and lipoprotein levels during normal pregnancy and postpartum. Desoye G, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):704–12

High levels of corticotropin-releasing hormone immunoactivity in maternal and fetal plasma during pregnancy. Goland RS, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1199–203

Estradiol, estriol, progesterone, prolactin, and human chorionic gonadotropin in pregnant women with alcohol abuse. Halmesmäki E, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):153–6

Long term effects of a first pregnancy on the hormonal environment: estrogens and androgens. Musey VC, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):111–8

Rising plasma levels of 19-nortestosterone throughout pregnancy: determination by radioimmunoassay and validation by gas chromatography-mass spectrometry. Reznik Y, et al. **J Clin Endocrinol Metab** 1987 May; 64(5):1086–8

Immunoreactive corticotropin-releasing hormone in human plasma during pregnancy, labor, and delivery. Sasaki A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):224–9

Monocytosis and monocytic infiltration of decidua in early pregnancy. Smárason AK, et al. **J Clin Lab Immunol** 1986 Sep;21(1):1–5

Serum alpha-thiol protease inhibitor concentrations in health and disease. Webb JR, et al. **J Clin Pathol** 1987 Feb; 40(2):221–5

The renin-angiotensinogen reaction during pregnancy and oral contraception: estimation of kinetic parameters by an autologous plasma renin assay. Daniels CR, et al. **J Endocrinol** 1987 Mar;112(3):465–72

Plasma prorenin during early pregnancy: ovarian secretion under gonadotropin control? Sealey JE, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S92–5

Assessment of four enzyme immunoassay kits for serum beta-hCG screening. Brown D, et al. **J Immunoassay** 1987; 8(1):1–9

Human placental lactogen level in normal pregnancy and labour. Samanta B, et al. **J Indian Med Assoc** 1986 Dec; 84(12):378–82

Serum copper level in pregnancy, labour and puerperium. Singh VK, et al. **J Indian Med Assoc** 1986 Jul;84(7):206–8

Serum unconjugated estriol levels in the third trimester and their relationship to gestational age. Phuapradit W, et al. **J Med Assoc Thai** 1986 Jul;69(7):378–81

Maternal blood groups and birth sex ratio. Suvonnakote T. **J Med Assoc Thai** 1986 Jul;69(7):389–91

A new perspective in the assessment of vitamin B-6 nutritional status during pregnancy in humans. Barnard HC, et al. **J Nutr** 1987 Jul;117(7):1303–6

Plasma levels of immunoreactive melatonin, estradiol, progesterone, follicle stimulating hormone, and beta-human chorionic gonadotropin during pregnancy and shortly after parturition in humans. Pang SF, et al. **J Pineal Res** 1987;4(1):21–31

Serum immunoreactive relaxin in women during a 24-h period. Seki K, et al. **J Reprod Fertil** 1987 Mar;79(2):363–5

Corticosteroid-binding globulin and other steroid hormone carriers in the blood stream. Westphal U. **J Reprod Fertil [Suppl]** 1970;10:15–38

Detection of trophoblast-like cells in maternal blood using specific monoclonal antibodies. Kozma R, et al. **J Reprod Immunol** 1987 May;11(1):55–61

Fetal gender effects on maternal serum prolactin levels. Gonzalez FA, et al. **J Reprod Med** 1987 Jan;32(1):21–4

Plasma and platelet norepinephrine in normal and preeclamptic pregnancy. O'Shaughnessy R, et al. **J Reprod Med** 1987 Jul;32(7):504–8

First trimester alpha-fetoprotein levels in normal and chromosomally abnormal pregnancies [letter] Barkai G, et al. **Lancet** 1987 Aug 15;2(8555):389

Atrial natriuretic peptide during pregnancy [letter] Niesert S, et al. **Lancet** 1987 Aug 15;2(8555):404–5

Release of atrial natriuretic peptide during pregnancy and immediate puerperium [letter] Rutherford AJ, et al. **Lancet** 1987 Apr 18;1(8538):928–9

Is maternal serum heat stable alkaline phosphatase an index of fetal maturity? Okpere E, et al. **Med Hypotheses** 1986 Oct;21(2):225–30

Determinants of blood lead concentrations of pregnant women living in Port Pirie and surrounding areas. Baghurst PA, et al. **Med J Aust** 1987 Jan 19;146(2):69–73

Relaxin in human pregnancy serum measured with an homologous radioimmunoassay. Bell RJ, et al. **Obstet Gynecol** 1987 Apr;69(4):585–9

Effect of cigarette smoking on plasmatic regulation of vascular prostacyclin in pregnancy and puerperium. Busacca M, et al. **Obstet Gynecol** 1986 Dec;68(6):816–9

Can low birth weight after elevated maternal serum alpha-fetoprotein be explained by maternal weight? Haddow JE, et al. **Obstet Gynecol** 1987 Jul;70(1):26–8

Effect of long-term oral contraceptive therapy before pregnancy on maternal and fetal zinc and copper status. Powell-Beard L, et al. **Obstet Gynecol** 1987 Jan;69(1):26–32

A survey of haemoglobin concentration in pregnancy in Port Moresby, Papua New Guinea. Sill PR, et al. **Papua New Guinea Med J** 1986 Sep;29(3):221–4

American Academy of Pediatrics Committee on Genetics: Alpha-fetoprotein screening. **Pediatrics** 1987 Sep; 80(3):444–5

Increases of plasma eosinophil major basic protein levels late in pregnancy predict onset of labor. Wasmoen TL, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3029–32

Serum relaxin concentrations in women following the administration of 16,16-dimethyl-trans-delta 2-PGE1 methyl ester during early pregnancy. Seki K, et al. **Prostaglandins** 1987 May;33(5):739–42

Evaluation of platelet function in pregnancy. Comparative studies in non-smokers and smokers. Davis RB, et al. **Thromb Res** 1987 Apr 15;46(2):175–86

The rapid inhibition of urokinase by plasma from pregnant women at risk for abruptio placenta. Lottenberg R, et al. **Thromb Res** 1986 Dec 15;44(6):807–15

Is factor VII activation in pregnant women relevant to fetal growth retardation? Scarabin PY, et al. **Thromb Res** 1987 Mar 15;45(6):845–50

Quantitative NBT reduction test with or without stimulation of peripheral polymorphonuclear cells from pregnant women. Okamura K, et al. **Tohoku J Exp Med** 1987 Jan; 151(1):89–95

Frozen maternal platelets for neonatal thrombocytopenia. McGill M, et al. **Transfusion** 1987 Jul–Aug;27(4):347–9

Plasma urea in pregnant urban African and Caucasian women. Nduka N, et al. **Trop Geogr Med** 1987 Jan; 39(1):39–42

Serum creatinine and uric acid levels in pregnant urban African and Caucasian women. Nduka N, et al. **Trop Geogr Med** 1986 Dec;38(4):386–90

Fetomaternal transplacental hemorrhage during pregnancy and after delivery. Bowman JM, et al. **Vox Sang** 1986; 51(2):117–21

[Gamma-glutamyltransferase isoenzymes in healthy pregnant women] Petrova V, et al. **Akush Ginekol (Sofiia)** 1987; 26(2):7–9 (Eng. Abstr.) **(Bul)**

[Pregnancy-specific beta 1-glycoprotein in normal pregnancy and fetal growth retardation] Ruseva R, et al. **Akush Ginekol (Sofiia)** 1986;25(4):17–20 (Eng. Abstr.) **(Bul)**

[Clinical significance of serum thyroid hormone assay in pregnant women and newborn infant] Cheng MF. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May;21(3):129–32, 190 (Eng. Abstr.) **(Chi)**

[Determination of the blood concentration of seven hormones secreted by the pituitary, thyroid, and placenta during the normal pregnant period] Hu ZZ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May;21(3):155–7, 191 (Eng. Abstr.) **(Chi)**

[Clinical observation on human chorionic gonadotrophin in maternal serum and amniotic fluid using monoclonal antibody immunoenzyme assay] Liu Y. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):257–60, 317 (Eng. Abstr.) **(Chi)**

[Hemorrheologic changes in normal pregnancy and pregnancy-induced hypertension syndrome] Shen DA. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):219–21, 252 (Eng. Abstr.) **(Chi)**

[Serum ferritin in pregnant women and in cord blood] Yu RQ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):225–7, 253 (Eng. Abstr.) **(Chi)**

[Effect of determination of lactate dehydrogenase and its isoenzymes on monitoring high-risk pregnancy] Zhou LF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):264–7, 317 (Eng. Abstr.) **(Chi)**

[Serum and red cell folate levels in pregnant women] Ge XQ. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):417–9 **(Chi)**

[Longitudinal study of the changes in glycosylated hemoglobin in normal pregnancy] Venot J, et al. **Diabete Metab** 1986 Oct;12(5):268–71 (Eng. Abstr.) **(Fre)**

[Endogenous digoxin-like substances in pregnancy. Value of an assay method (letter)] Vaksmann G, et al. **Presse Med** 1987 May 30;16(20):1008 **(Fre)**

[Serum sialic acid levels in cancer, pregnancy and upper respiratory infections] Sydow G, et al. **Arch Geschwulstforsch** 1986;56(6):413–7 (Eng. Abstr.) **(Ger)**

[Modification of lipid metabolism by hPL in late pregnancy] Neulen J, et al. **Geburtshilfe Frauenheilkd** 1987 Apr; 47(4):270–3 (Eng. Abstr.) **(Ger)**

[Comparative studies of hexosaminidase P in the serum of pregnant females and hexosaminidase I2 in the serum of children with leukemia] Enslein J, et al. **Klin Wochenschr** 1987 Apr 15;65(8):373–5 (Eng. Abstr.) **(Ger)**

[Determination of estriol in the serum of pregnant patients with a homogeneous enzyme immunoassay] Hofmann F, et al. **Z Med Lab Diagn** 1987;28(3):143–51 (Eng. Abstr.) **(Ger)**

[Relation between corpus luteum function and serum prolactin concentration in early pregnancy] Stubert B, et al. **Zentralbl Gynakol** 1986;108(20):1237–41 (Eng. Abstr.) **(Ger)**

[No age dependence of biochemical parameters in pregnancy] Voss P, et al. **Zentralbl Gynakol** 1986;108(20):1217–21 (Eng. Abstr.) **(Ger)**

[Blood sialic acid in pregnancy and the puerperium] Conti M, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr; 108(2):90–3 (Eng. Abstr.) **(Ita)**

[SP1-glycoprotein and beta-HCG during the first trimester in physiological, ectopic and abortive pregnancies] Fanizza G, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr; 108(2):77–82 (Eng. Abstr.) **(Ita)**

[Bile secretion in pregnancy] Frezza M, et al. **G Clin Med** 1986 Feb;67(1):27–30 (Eng. Abstr.) **(Ita)**

[Lead and cadmium values in the blood of parturients not exposed occupationally, in neonatal blood and in maternal milk] Sartorelli E, et al. **Med Lav** 1986 Sep–Oct;77(5):515–8 (Eng. Abstr.) **(Ita)**

[Dynamic changes and roles of steroid hormones in the perinatal period] Tazaki K. **Igaku Kenkyu** 1986 Dec; 56(3):121–8 (Eng. Abstr.) **(Jpn)**

[Morphine concentrations in the serum following epidural administration—venous serum levels and placental transfer] Matsubayashi S. **Masui** 1986 Sep;35(9):1347–57 (Eng. Abstr.) **(Jpn)**

[Study of the profiles of prolactin and other hormones in both maternal plasma and amniotic fluid during labor] Kubota T, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar

20;63(3):215–26 (Eng. Abstr.) (Jpn)
[Studies on 17 alpha, 20 alpha–dihydroxy–4–pregnen–3–one in non–pregnant and pregnant women by a new radioimmunoassay system] Satoh K.
Nippon Naibunpi Gakkai Zasshi 1987 Mar 20;63(3):227–38 (Eng. Abstr.) (Jpn)
[A study of intrapartum and postpartum bleeding based on changes in blood coagulation and fibrinolysis during pregnancy] Fuse Y.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Mar; 39(3):405–10 (Eng. Abstr.) (Jpn)
[Studies on the relationship between reproductive phenomena and thyroid function—dynamics of the concentrations of thyroid hormones in pregnancy, parturition and puerperium] Nakayama H, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Sep; 38(9):1578–86 (Eng. Abstr.) (Jpn)
[Quantitative nitroblue tetrazolium reduction test of peripheral blood polymorphonuclear leukocytes in women in pregnancy and labor] Yonemoto Y, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Mar; 39(3):425–31 (Eng. Abstr.) (Jpn)
[Lipid compound levels in various trimesters of pregnancy] Blaziak M. **Ginekol Pol** 1986 Sep;57(9):588–91 (Eng. Abstr.) (Pol)
[Further modification by Klimek of the chemical method of Tuppy and Nesvadba for determining cystyl aminopeptidase (oxytocinase) activity in the blood serum] Nalepa I, et al. **Ginekol Pol** 1986 Sep;57(9):622–5 (Eng. Abstr.) (Pol)
[Radioimmunological analysis of the free alpha subunit of chorionic gonadotropin (alpha–HCG) in sera of women during normal pregnancy] Niespodziański K, et al.
Przegl Lek 1986;43(8):540–2 (Eng. Abstr.) (Pol)
[Hemoglobin values in pregnant women at the Ife district hospital in Nigeria] Lyko Z, et al. **Wiad Lek** 1986 Nov 1;39(21):1457–61 (Eng. Abstr.) (Pol)
[Alpha–cysteine protease inhibitor level in the serum of mothers and their fetuses in cases of physiologic and pathologic pregnancies] Warwas M, et al. **Wiad Lek** 1986 Aug 1;39(15):1018–23 (Eng. Abstr.) (Pol)
[Fetal hemoglobin in the newborn infant and gestational age] Barretto OC, et al. **Rev Paul Med** 1986 Mar–Apr; 104(2):107–8 (Eng. Abstr.) (Por)
[Plasma levels of corticosteroid and thyroid hormones in physiologic pregnancy] Bagramian ER, et al.
Akush Ginekol (Mosk) 1987 Feb;(2):29–32 (Eng. Abstr.) (Rus)
[Endocrine function of the pancreas in physiologic pregnancy] Polozhenkova LA, et al.
Akush Ginekol (Mosk) 1987 Feb;(2):64 (Rus)
[Specific trophoblastic beta–glycoprotein in obstetric practice] Posiseeva LV. **Akush Ginekol (Mosk)** 1986 Oct; (10):6–8 (63 ref.) (Rus)
[Frequency of blood groups: ABO, Rh–Hr and Du factor] Berisvil de Alonso C.
Rev Fac Cien Med Univ Nac Cordoba 1985;43(1):44–5 (Eng. Abstr.) (Spa)
[Glycosylated hemoglobin (Hba1) in gestational diabetic pregnant women and pregnant women with high diabetic risk factors] Durruty P, et al. **Rev Med Chil** 1986 Dec; 114(12):1123–8 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Cerebrospinal fluid dynorphin1–17 and beta–endorphin in late pregnancy and six months after delivery. No influence of acupuncture treatment. Lyrenäs S, et al.
Acta Endocrinol (Copenh) 1987 Jun;115(2):253–8
Endorphin activity in cerebrospinal fluid prior to elective cesarean section and in early puerperium. Lyrenäs S, et al. **Ups J Med Sci** 1987;92(1):37–45

DRUG EFFECTS

Effects of enprofylline, a new xanthine derivate, on human pregnant myometrium. Berg G, et al.
Am J Obstet Gynecol 1987 Apr;156(4):958–62
Mexiletine use in pregnancy and lactation. Lownes HE, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):446–7
The effects of long– and short–term maternal caffeine ingestion on human fetal breathing and body movements in term gestations. McGowan J, et al.
Am J Obstet Gynecol 1987 Sep;157(3):726–9
Prescription drug use before and during pregnancy in a Medicaid population. Piper JM, et al.
Am J Obstet Gynecol 1987 Jul;157(1):148–56
Nitrous oxide in early human pregnancy. Crawford JS, et al. **Anaesthesia** 1986 Sep;41(9):900–5
Nitrous oxide during pregnancy [editorial] Mazze RI.
Anaesthesia 1986 Sep;41(9):897–9
Successful pregnancy in a renal transplant recipient taking cyclosporin A. Duggan CJ, et al. **Aust NZ J Med** 1986 Dec;16(6):813–4
Fetotoxic potential of general anaesthesia in relation to pregnancy. Konieczko KM, et al. **Br J Anaesth** 1987 Apr; 59(4):449–54
The effect of enalapril (MK421), an angiotensin converting enzyme inhibitor, on the conscious pregnant ewe and her foetus. Pipkin FB, et al. **Br J Pharmacol** 1986 Mar; 87(3):533–42
Simple analgesics in pregnancy [letter] Steiner T.
Br Med J 1987 Jan 31;294(6567):308
Disruption of pregnancy in mouse by aristolic acid: I. Plausible explanation in relation to early pregnancy events. Ganguly T, et al. **Contraception** 1986 Dec;34(6):625–37
The effect of various drugs on maternal serum cystine aminopeptidase. Himaya A, et al.
Eur J Obstet Gynecol Reprod Biol 1977;7(6):377–82
Metabolic effects of intravenous ritodrine infusion during pregnancy. Schreyer P, et al.
Eur J Obstet Gynecol Reprod Biol 1979 Apr;9(2):97–103
Ripening of the cervix with prostaglandin E2–gel. A randomized study with a new ready–to–use compound of triacetin–prostaglandin–E2–gel. Kristoffersen M, et al.
Int J Gynaecol Obstet 1986 Aug;24(4):297–300
Data sheet warnings about drug safety in pregnancy [letter] Chaplin S, et al. **Lancet** 1987 Aug 29;2(8557):516
Patterns of alcohol consumption during pregnancy. Halmesmäki E, et al. **Obstet Gynecol** 1987 Apr;69(4):594–7
Calcium supplementation reduces blood pressure during pregnancy: results of a randomized controlled clinical trial. Villar J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):317–22
Effects of lead exposure on pregnancy outcome and the fetal brain of squirrel monkeys. Lögdberg B, et al.
Scand J Work Environ Health 1987 Apr;13(2):135–45
Evaluation of maternal and developmental toxicity. Proceedings of the consensus workshop. Rockville, Maryland, May 12–14, 1986.
Teratogenesis Carcinog Mutagen 1987;7(3):201–338
Use of the adult developmental relationship in prescreening for developmental hazards. Johnson EM, et al.
Teratogenesis Carcinog Mutagen 1987;7(3):273–85 (30 ref.)
Maternal toxicity in humans and animals: effects on fetal development and criteria for detection. Khera KS.
Teratogenesis Carcinog Mutagen 1987;7(3):287–95 (33 ref.)
Implications of the consensus workshop on the evaluation of maternal and developmental toxicity. Kimmel GL, et al. **Teratogenesis Carcinog Mutagen** 1987;7(3):329–38
Consensus workshop on the evaluation of maternal and developmental toxicity work group II report: study design considerations. Palmer AK, et al.
Teratogenesis Carcinog Mutagen 1987;7(3):311–9
Comparison of maternal and fetal toxic dose responses in mammals. Rogers JM. **Teratogenesis Carcinog Mutagen** 1987;7(3):297–306 (65 ref.)
Approaches to defining the relationship of maternal and developmental toxicity. Schardein JL.
Teratogenesis Carcinog Mutagen 1987;7(3):255–71 (57 ref.)
Consensus workshop on the evaluation of maternal and developmental toxicity work group III report: low dose extrapolation and other considerations for risk assessment—models and applications. Schwetz BA, et al.
Teratogenesis Carcinog Mutagen 1987;7(3):321–7
Consensus workshop on the evaluation of maternal and developmental toxicity work group I report: end points of maternal and developmental toxicity. Skalko RG, et al.
Teratogenesis Carcinog Mutagen 1987;7(3):307–10
[Anticancer chemotherapy in girls and subsequent fertility] Evain P, et al. **Ann Pediatr (Paris)** 1986 Sep;33(7):563–70 (Eng. Abstr.) (Fre)
[Vitamin and mineral substances in pregnancy and lactation. Report from an international symposium "Vitamins and Minerals in Pregnancy and Lactation"]
Med Monatsschr Pharm 1987 Mar;10(3):83–6 (Ger)
[Characteristics of the course of pregnancy and labor in women following parlodel treatment of sterility] Ovsiannikova TV, et al. **Akush Ginekol (Mosk)** 1987 Apr; (4):32–5 (Eng. Abstr.) (Rus)
[Antibiotics in pregnancy: their toxicity and teratogenicity] Knothe H. **Cas Lek Cesk** 1986 Dec 12;125(50):1529–32 (Eng. Abstr.) (Slo)

IMMUNOLOGY

Pregnancy and autoimmunity. Gleicher N.
Acta Haematol (Basel) 1986;76(2–3):68–77 (59 ref.)
Increased serum CA 125 levels during the first trimester of pregnancy. Seki K, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):583–5
Maternal TSH–receptor antibodies and TSH antibodies in screening for congenital hypothyroidism. Karlsson FA, et al. **Acta Paediatr Scand** 1986 Sep;75(5):756–61
Complement components in normal pregnancy. Johnson U, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun; 95(3):97–9
Maternal abstention from cow milk and egg in allergy risk pregnancies. Effect on antibody production in the mother and the newborn. Fälth–Magnusson K, et al. **Allergy** 1987 Jan;42(1):64–73
Host defense during pregnancy: neutrophil chemotaxis and adherence. Krause PJ, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):274–80
Natural killer cell cytotoxicity and antibody–dependent cellular cytotoxicity to herpes simplex virus–infected cells in human pregnancy. Gonik B, et al.
Am J Reprod Immunol Microbiol 1987 Jan;13(1):23–6
Cellular immune aspects of the human fetal–maternal relationship. Shohat B, et al.
Am J Reprod Immunol Microbiol 1986 Aug;11(4):125–9
Natural killer cell activity in pregnancy and the effects of pregnant womens' sera. Kurashige T, et al.
Asia Oceania J Obstet Gynaecol 1986 Jun;12(2):305–9
The effects of hormone and protein increases during pregnancy on natural killer (NK) cell activity. Kurashige T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep; 12(3):403–7
Identification of immunosuppressive factors in normal pregnant serum affecting antibody dependent cell–mediated cytotoxicity. Yabushita H, et al.
Asia Oceania J Obstet Gynaecol 1987 Mar;13(1):103–12
Sensitive methods for determining subclasses of IgG anti–A and anti–B in sera of blood–group–O women with a blood–group–A or –B child. Brouwers HA, et al.
Br J Haematol 1987 Jun;66(2):267–70
Anti–clonotypic autoantibodies in pregnancy. Bonagura VR, et al. **Cell Immunol** 1987 Sep;108(2):356–65
Influence of maternal food antigen avoidance during pregnancy and lactation on incidence of atopic eczema in infants. Chandra RK, et al. **Clin Allergy** 1986 Nov; 16(6):563–9
Anti–Ro antibodies in healthy mothers and their newborns [letter] Guzman L, et al. **Clin Exp Rheumatol** 1987 Jan–Mar; 5(1):93–4
Trophoblast antigens in normal and abnormal human pregnancy. McIntyre JA, et al. **Clin Obstet Gynecol** 1986 Dec;29(4):976–98 (41 ref.)
Immunological aspects of normal and abnormal pregnancy. Billington WD. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1–2):147–54 (36 ref.)
Localization of immunoglobulin–containing cells in human endometrium in the first trimester of pregnancy and throughout the menstrual cycle. Bulmer JN, et al.
Eur J Obstet Gynecol Reprod Biol 1986 Oct;23(1–2):31–44
Activated T cells in normal pregnant women and neonates. Gargiulo P, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):127–35
Pregnancy–induced morphologic changes in lymphocytes; an experimental study on materno–fetal tolerance in the rat. Knobloch V, et al.
Eur J Obstet Gynecol Reprod Biol 1979 Dec;9(6):391–7
Maternal alloantibody responses during early pregnancy detected by a cellular enzyme–linked immunospecific assay. Cunningham C, et al. **Hum Immunol** 1987 May;19(1):7–16
The expression of class II MHC gene products by fallopian tube epithelium in pregnancy and throughout the menstrual cycle. Bulmer JN, et al. **Immunology** 1987 Jun;61(2):207–13
Modulation of the natural killer cell activity in pregnant mice alters the spontaneous abortion rate. de Fougerolles AR, et al. **J Reprod Immunol** 1987 Jun;11(2):147–53
Phenotypic heterogeneity and recycling capacity of natural killer cells in normal human pregnancy. Gregory CD, et al. **J Reprod Immunol** 1987 Jun;11(2):135–45
Isolation and partial characterization of early pregnancy factor (EPF) from human pregnancy serum. Mehta AR, et al. **J Reprod Immunol** 1986 Nov;9(3):247–60
Studies on endometrial cells in human pregnancy by monoclonal antibodies. Nakayama E, et al.
J Reprod Immunol 1987 Jan;10(1):1–14
A search for antibodies in term maternal sera to solubilized syncytiotrophoblast surface components. A passive haemagglutination assay yields negative evidence. Nickson DA, et al. **J Reprod Immunol** 1986 Dec;9(4):303–12
Maternal cell–mediated sensitisation to paternal HLA may occur, but is not a regular event in normal human pregnancy. Sargent IL, et al. **J Reprod Immunol** 1987 Feb; 10(2):111–20
Prevalence of anti rubella antibodies in pregnant and prepubertal females—a preliminary study. Azmi F, et al. **JPMA** 1987 Jan;37(1):6–7
Identification of placental protein 14 as an immunosuppressive factor in human reproduction. Bolton AE, et al. **Lancet** 1987 Mar 14;1(8533):593–5
Effect of cyclosporin, previous third–party transfusion, and pregnancy on antibody development after donor–specific transfusion before renal transplantation. Macleod AM, et al. **Lancet** 1987 Feb 21;1(8530):416–8
Anticardiolipin antibodies: their presence as a marker for lupus anticoagulant in pregnancy. Pattison NS, et al.
NZ Med J 1987 Feb 11;100(817):61–4
Pneumococcal polysaccharide antibody levels in patients with term and preterm pregnancies [letter] Amstey MS.
Obstet Gynecol 1987 Apr;69(4):685–6
HBsAG and HBeAG markers among pregnant women in Manila, Philippines. Sy NE, et al.
Trans R Soc Trop Med Hyg 1986;80(5):767–70
The effect of repeated pregnancies on renal allograft function. Scott JR, et al. **Transplantation** 1986 Dec;42(6):694–5
Phenotypic expression of immune secretory function in focal pregnancy–like change of the human breast. Al–Sam SZ, et al. **Virchows Arch [A]** 1987;410(6):515–21
Rh(D) alloimmunization in the absence of exposure to Rh(D) antigen. Biggins KR, et al. **Vox Sang** 1986;51(3):228–30
[Cellular and humoral immunity in normal pregnancy in the 1st trimester] Milchev N, et al. **Akush Ginekol (Sofiia)** 1987; 26(2):10–2 (Eng. Abstr.) (Bul)
[Development of erythrocyte antibodies in mothers of neonates with positive Coombs' reaction] Poulsen LO, et al. **Ugeskr Laeger** 1987 Jun 1;149(23):1528–9 (Eng. Abstr.) (Dan)
[Contraception and pregnancy in hereditary angioedema] Böckers M, et al. **Dtsch Med Wochenschr** 1987 Mar 27; 112(13):507–9 (Eng. Abstr.) (Ger)
[Immunologic aspects of pregnancy] Thiele B, et al.
Zentralbl Gynakol 1986;108(21):1289–94 (Eng. Abstr.) (Ger)
[Immunological aspects of pregnancy. Part I: Mother–fetus relationships] Potashnik G. **Harefuah** 1986 May 15;

110(10):512–7 (88 ref.) (Heb)
[Characteristics of heterologous membrane antigen (HM Ag) and humoral immune response to HM Ag in pregnant women and patients with gynecologic malignancies] Higuchi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov;38(11):1964–8 (Eng. Abstr.) (Jpn)
[Studies on the interaction between trophoblastic invasion and maternal immune cell infiltration at the implantation site in early human pregnancy by means of double immunoperoxidase technic using monoclonal antibodies] Honma S. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1613–22 (Eng. Abstr.) (Jpn)
[Detection of type-specific group B streptococcal antibody by indirect immunofluorescence and prevention of vertical transmission by antibiotic therapy] Sugiyama M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):181–8 (Eng. Abstr.) (Jpn)
[The effect of peripheral blood monocytes on cell-mediated immunity in pregnant women] Umesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):387–94 (Eng. Abstr.) (Jpn)
[Changes in the C3 component of the complement system in the amniotic fluid in normal pregnancy and pregnancy complicated by Rh serologic incompatibility] Zalewski J, et al. **Ginekol Pol** 1986 Oct;57(10):650–3 (Eng. Abstr.) (Pol)
[Natural killers and other cellular immunity indices in physiological pregnancy and pregnancy complicated by late toxicosis] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):15–8 (Eng. Abstr.) (Rus)
[Medico-biological role of the early pregnancy factor] Kavkasidze GA. **Akush Ginekol (Mosk)** 1986 Dec;(12):6–8 (42 ref.) (Rus)
[Regulation of the production of a factor inhibiting macrophage migration in uncomplicated pregnancy by trophoblastic beta 1-glycoprotein] Petrov RV, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):63–5 (Rus)
[Quantity of T gamma-lymphocytes in uncomplicated pregnancy, during labor and in the puerperium] Petrov RV, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):9–10 (Eng. Abstr.) (Rus)
[Immunology of reproduction. Maternal influence on the recognition of proper histocompatibility antigens] Piazzon I. **Medicina (B Aires)** 1986;46(5):625–32 (Spa)

METABOLISM

2-Hydroxylation and O-methylation of oestrogens by human placenta in vivo. Berg FD, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):272–4
Immunoextracted calcitonin in milk and plasma from totally thyroidectomized women. Evidence of monomeric calcitonin in plasma during pregnancy and lactation. Bucht E, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):529–35
Immunoreactive somatomedin B in the human foetus and in women during pregnancy. Tham A, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):218–24
Influence of steroid hormones on the incorporation of amino acids in uterine and cervical tissue of pregnant women. Wiqvist I, et al. **Acta Endocrinol (Copenh)** 1987 Aug; 115(4):537–43
Insulin receptors in normal pregnant women and women with gestational diabetes. Andersen O, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:27–30
Some aspects of the metabolic and hormonal adaptation to pregnancy. Baird JD. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:11–8 (47 ref.)
Gastro-entero-pancreatic hormones in amniotic fluid from normal and diabetic pregnant women. Fallucca F, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:37–43
Maternal smoking reduces prostacyclin formation in human umbilical arteries. A study on strictly selected pregnancies. Ahlsten G, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):645–9
Sub-hourly variations in salivary estriol concentrations in the last trimester of pregnancy. Cusick PE, et al. **Acta Obstet Gynecol Scand** 1986;65(5):435–8
The concentrations of ceftazidime and thiopental in maternal plasma, placental tissue and amniotic fluid in early pregnancy. Jørgensen NP, et al. **Acta Obstet Gynecol Scand** 1987;66(1):29–33
Preparation and P content of non-pregnant and pregnant human uterine myosin. Fazekas S, et al. **Acta Physiol Hung** 1986;68(2):147–57
Are iron-folate supplements harmful? Simmer K, et al. **Am J Clin Nutr** 1987 Jan;45(1):122–5
Increased thromboxane biosynthesis in normal pregnancy is mainly derived from platelets. Fitzgerald DJ, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):325–30
Changes in cyclic adenosine monophosphate-phosphodiesterase activity in nonpregnant and pregnant human myometrium. Kofinas AD, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):733–8
Immunohistochemical studies on collagen types in the uterine cervix in pregnant and nonpregnant states. Minamoto T, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):138–44
Acetaminophen pharmacokinetics: comparison between pregnant and nonpregnant women. Rayburn W, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1353–6
Renal effects of cyclooxygenase inhibition in the pregnant rat. Baylis C. **Am J Physiol** 1987 Jul;253(1 Pt 2):F158–63
Sulphur amino acid levels in some tissues of the rat during pregnancy and lactation. López-Tejero D, et al. **Ann Nutr Metab** 1987;31(1):47–54
In vitro study on thyroid hormone metabolism of human placenta in early pregnancy. Adachi T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):385–93
Total proteins in human amniotic fluid. Bala S, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):141–4
The specificity of binding of growth hormone and prolactin to purified plasma membranes from pregnant-rabbit liver. Webb CF, et al. **Biochem J** 1986 Jun 15;236(3):657–63
Lipid metabolism in pregnancy. Herrera E, et al. **Biol Neonate** 1987;51(2):70–7 (46 ref.)
Lipoprotein metabolism in pregnancy, fat transport to the fetus, and the effects of diabetes. Knopp RH, et al. **Biol Neonate** 1986;50(6):297–317 (56 ref.)
Glucose metabolism in pregnancy. Leturque A, et al. **Biol Neonate** 1987;51(2):64–9 (52 ref.)
Protein synthesis and secretion in human decidua of early pregnancy. Kisalus LL, et al. **Biol Reprod** 1987 Apr; 36(3):785–98
Cytochrome P-450 in the mitochondria from human placenta in early pregnancy. Boguslawski W. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):16–7
Oxytocin and vasopressin stimulate inositol phosphate production in human gestational myometrium and decidua cells. Schrey MP, et al. **Biosci Rep** 1986 Jul;6(7):613–9
Vitamin D metabolism during pregnancy. Paulson SK, et al. **Bone** 1986;7(5):331–6 (65 ref.)
Paracetamol metabolism in pregnancy. Miners JO, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):359–62
Urinary metabolites of caffeine in pregnant women. Scott NR, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):475–8
Alpha interferon in human pregnancy. Chard T, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1145–9
The relation between aldosterone concentrations in plasma and saliva during pregnancy. Few JD, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):928–32
Weight gain in pregnancy: eating for two or just getting fat? Drife JO. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):903–4
Reduction in postprandial energy expenditure during pregnancy. Illingworth PJ, et al. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1573–6
Obstetric analgesia. Clinical pharmacokinetic considerations. Kanto J. **Clin Pharmacokinet** 1986 Jul-Aug;11(4):283–98 (100 ref.)
The pharmacokinetics of antiarrhythmic agents in pregnancy and lactation. Mitani GM, et al. **Clin Pharmacokinet** 1987 Apr;12(4):253–91 (178 ref.)
Effect of food on the availability of iron from three multivitamin/mineral supplements during pregnancy. Rubel HR, et al. **Clin Ther** 1987;9(3):311–7
Changes in free progesterone in the serum, peritoneal fluid and follicular fluid through the menstrual cycle and pregnancy. Shintani K, et al. **Endocrinol Jpn** 1987 Apr; 34(2):221–30
The lipolytic effects of mouse placental lactogen II, mouse prolactin, and mouse growth hormone on adipose tissue from virgin and pregnant mice. Fielder PJ, et al. **Endocrinology** 1987 Aug;121(2):493–7
Isoforms of myosin and actin in human, monkey and rat myometrium. Comparison of pregnant and non-pregnant uterus proteins. Cavaillé F, et al. **Eur J Biochem** 1986 Nov 3;160(3):507–13
Comparison of intrauterine prostaglandin metabolism during pregnancy in man, sheep and guinea pig. Keirse MJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug; 8(4):195–203
Adrenergic receptors in inner and outer layers of human myometrium near term: characterization of beta-adrenergic receptor sites by [125I]-iodocyanopindolol binding. Breuiller M, et al. **Gynecol Obstet Invest** 1987;24(1):28–37
11 beta-Hydroxysteroid dehydrogenase activity of the human placenta during pregnancy. Blasco MJ, et al. **Horm Metab Res** 1986 Sep;18(9):638–41
Metabolism of taurine during reproduction in women. Naismith DJ, et al. **Hum Nutr Clin Nutr** 1987 Jan; 41(1):37–45
Effect of vitamin A supplementation on plasma and breast milk vitamin A levels in poorly nourished Gambian women. Villard L, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):47–58
Neuropeptide Y and noradrenaline in human uterus and myometrium during normal and pre-eclamptic pregnancy. Fried G, et al. **Hum Reprod** 1986 Sep;1(6):359–64
Hormonal influence on glycosaminoglycan synthesis in uterine connective tissue of term pregnant women. Wiqvist I, et al. **Hum Reprod** 1987 Apr;2(3):177–82
Histochemical study of lectin binding to gestational endometrium. Bychkov V, et al. **Int J Gynecol Pathol** 1987; 6(1):66–72
Reactivity of two monoclonal antibodies (Troma 1 and CAM 5.2) on human tissue sections: analysis of their usefulness as a histological trophoblast marker in normal pregnancy and trophoblastic disease. Sasagawa M, et al. **Int J Gynecol Pathol** 1986;5(4):345–56
Renal prostacyclin and thromboxane in normotensive and preeclamptic pregnant women and their infants. Ylikorkala O, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1307–12
Estrogen and catechol amine metabolism: possible interaction during pregnancy. Barnea ER, et al. **J Endocrinol Invest** 1987 Jun;10(3):329–40 (101 ref.)
Potassium homeostasis in pregnancy. Lindheimer MD, et al. **J Reprod Med** 1987 Jul;32(7):517–22
Decreased concentrations and affinities of oestrogen and progesterone receptors of intrauterine tissue in human pregnancy. Padayachi T, et al. **J Steroid Biochem** 1987 Apr; 26(4):473–9
Magnesium intake during pregnancy. Franz KB. **Magnesium** 1987;6(1):18–27
Effect of feeding a high-fat diet during pregnancy on glucose metabolism in the rat. Leturque A, et al. **Metabolism** 1987 Jan;36(1):66–70
Acute effects of iron therapy on zinc status during pregnancy. Hambidge KM, et al. **Obstet Gynecol** 1987 Oct;70(4):593–6
Relationship between blood and urine concentrations of intact human chorionic gonadotropin and its free subunits in early pregnancy. Norman RJ, et al. **Obstet Gynecol** 1987 Apr;69(4):590–3
Pregnancy causes a decrease in the number and affinity of myometrial angiotensin II receptors. Siddiqi TA, et al. **Obstet Gynecol** 1986 Dec;68(6):820–4
Amniotic fluid erythropoietin correlates with umbilical plasma erythropoietin in normal and abnormal pregnancy. Teramo KA, et al. **Obstet Gynecol** 1987 May;69(5):710–6
Plasma levels of vitamin D metabolites in fetal and pregnant ewes. Paulson SK, et al. **Proc Soc Exp Biol Med** 1987 Jul; 185(3):267–71
Estrogen binding in rat liver during pregnancy. Caballero-Corcuera MJ, et al. **Rev Esp Fisiol** 1987 Mar; 43(1):1–6
Vitamin D and mineral metabolism in normal pregnancy and in the normal fetus. Beyers N, et al. **S Afr Med J** 1986 Oct 25;70(9):549–54 (94 ref.)
Arachidonic acid metabolites in the perinatal period--Part I. **Semin Perinatol** 1986 Oct;10(4):241–355
Amniotic fluid volume and its relationship to fetal fluid balance: review of experimental data. Brace RA. **Semin Perinatol** 1986 Apr;10(2):103–12 (75 ref.)
Mechanisms of production and clearance of amniotic fluid. Lotgering FK, et al. **Semin Perinatol** 1986 Apr;10(2):94–102 (39 ref.)
Human chorionic gonadotropin and its subunits in normal pregnancy. Hsieh CY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Aug;85(8):814–21
[Placental estrogen and progesterone receptors in relation to gestational stage] Gao YL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):261–3, 317 (Eng. Abstr.) (Chi)
[Preliminary study of 12 biochemical components in amnionic fluid of normal pregnancy] Liu Y. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Mar;22(2):75–8, 125 (Eng. Abstr.) (Chi)
[Pharmacokinetics of thiopental in women and newborn infants] Monrigal C, et al. **Ann Fr Anesth Reanim** 1986; 5(6):565–9 (Eng. Abstr.) (Fre)
[The effect of hormonal contraceptives and pregnancy on iron metabolism, plasma lactoferrin levels and granulocyte count in women] Rosenmund A, et al. **Schweiz Med Wochenschr** 1986 Oct 11;116(41):1411–4 (Eng. Abstr.) (Ger)
[Determination of cadmium in pregnancy] Salgó L, et al. **Orv Hetil** 1986 Nov 16;127(46):2797–800 (Eng. Abstr.) (Hun)
[Quantitative analysis of sugars present in acid hydrolysates of full-term placentas from normal pregnant women and pregnant women with rheumatoid arthritis] Laureti E, et al. **Minerva Ginecol** 1987 May;39(5):311–3 (Eng. Abstr.) (Ita)
[Pharmacokinetic and clinical studies of ceftazidime in perinatal period] Cho N, et al. **Jpn J Antibiot** 1986 Aug; 39(8):2225–46 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Cho N, et al. **Jpn J Antibiot** 1986 Sep; 39(9):2488–96 (Eng. Abstr.) (Jpn)
[Ceftazidime: placental transfer and pharmacokinetic parameters in the third trimester pregnancy] Fujimoto S, et al. **Jpn J Antibiot** 1986 Aug;39(8):2219–24 (Eng. Abstr.) (Jpn)
[Studies of aztreonam transfer into the fetus and amniotic fluid in early pregnancy] Fujimoto S, et al. **Jpn J Antibiot** 1986 Oct;39(10):2639–42 (Eng. Abstr.) (Jpn)
[Pharmacokinetic studies on aztreonam in late pregnancy in sheep and humans] Fujimoto S, et al. **Jpn J Antibiot** 1986 Oct;39(10):2632–8 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Hayasaki M, et al. **Jpn J Antibiot** 1986 Sep;39(9):2497–518 (Eng. Abstr.) (Jpn)
[Fundamental and clinical evaluation of ceftazidime in the perinatal period] Matsunami K, et al. **Jpn J Antibiot** 1986 Aug;39(8):2247–62 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam during the perinatal period in pregnant women] Ninomiya K, et al. **Jpn J Antibiot** 1986 Sep;39(9):2519–24 (Eng. Abstr.) (Jpn)
[Clinical studies on the effect of imipenem/cilastatin sodium on infections in obstetrics and gynecology. Tissue concentrations and clinical effects] Oomomo Y, et al. **Jpn J Antibiot** 1986 May;39(5):1342–9 (Eng. Abstr.) (Jpn)
[A study on ceftazidime in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Aug;39(8):2273–9 (Eng. Abstr.) (Jpn)
[Study on cefotiam in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Sep;39(9):2534–42 (Eng. Abstr.) (Jpn)

[Fundamental and clinical studies on ceftazidime in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Aug;39(8):2263–71 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Sep;39(9):2525–33 (Eng. Abstr.) **(Jpn)**

[Calcium metabolism and calcium-regulating hormones during normal pregnancy] Ohara N, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jul 20;62(7):784–96 (Eng. Abstr.) **(Jpn)**

[Dynamics of calcium metabolism and calcium-regulating hormones in pregnancy-induced hypertension] Ohara N, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Aug 20; 62(8):882–96 (Eng. Abstr.) **(Jpn)**

[Synthesis and metabolism of estriol conjugates] Kan S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):952–8 (Eng. Abstr.) **(Jpn)**

[Metabolism of pregnenolone sulfate in feto-placental unit] Komatsuzaki K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1095–102 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical localization of hCG alpha, hCG beta CTP, hPL and SP1 on villous and extravillous trophoblasts in normal human pregnancy] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1073–9 (Eng. Abstr.) **(Jpn)**

[Iron and copper levels in pregnant women, newborn infants and children] Muszyńska-Zimna E, et al. **Pediatr Pol** 1987 Jan;62(1):66–71 **(Pol)**

[Metabolism of antipyrine during pregnancy] Koroleva GA, et al. **Farmakol Toksikol** 1986 Nov-Dec;49(6):92–4 (Eng. Abstr.) **(Rus)**

[Nucleic acids of the lymphoid cells of the pregnant rat subjected to space flight and its progeny] Komolova GS, et al. **Kosm Biol Aviakosm Med** 1987 May-Jun;21(3):66–9 (Eng. Abstr.) **(Rus)**

[Properties of adenylate cyclase from plasma membranes of the rabbit myometrium in different functional states] Shlykov SG, et al. **Ukr Biokhim Zh** 1987 Jan-Feb; 59(1):82–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evidence of altered capillary pressure during pregnancy. Oian P, et al. **Acta Med Scand [Suppl]** 1986;714:55–8

An evaluation of automated indirect blood pressure measurement during pregnancy. Milsom I, et al. **Acta Obstet Gynecol Scand** 1986;65(7):721–5

Fibrinolytic activity in amniotic fluid during late pregnancy. Pschera H, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):417–20

Release of beta-endorphin in response to physical exercise in non-pregnant and pregnant women. Rauramo I, et al. **Acta Obstet Gynecol Scand** 1986;65(6):609–12

Fertility following ectopic pregnancy with special reference to previous use of an intra-uterine contraceptive device (IUCD). Sandvei R, et al. **Acta Obstet Gynecol Scand** 1987; 66(2):131–5

Subjective recording of fetal movements. III. Screening of a pregnant population; the clinical significance of decreased fetal movement counts. Valentin L, et al. **Acta Obstet Gynecol Scand** 1986;65(7):753–8

Blood pressure and renal function during normal pregnancy. Wichman K, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):561–6

Intrauterine volume in pregnancy. Geirsson RT. **Acta Obstet Gynecol Scand [Suppl]** 1986;136:1–74

Acidic acetone extract from pregnant sow ovaries is a rich source of substances affecting uterine contractility in vitro. Guoth J, et al. **Acta Physiol Hung** 1986;68(2):165–9

Reduced activation and affinity of renin during pregnancy and oral contraception: determination of kinetic parameters by a fully autologous plasma renin assay. Daniels CR, et al. **Adv Exp Med Biol** 1986;198 Pt B:463–9

Annual skeletal changes in the little brown bat, Myotis lucifugus lucifugus, with particular reference to pregnancy and lactation. Kwiecinski GG, et al. **Am J Anat** 1987 Apr; 178(4):410–20

Morphology of thyroid C-cells and parathyroid glands in summer-active little brown bats, Myotis lucifugus lucifugus, with particular reference to pregnancy and lactation. Kwiecinski GG, et al. **Am J Anat** 1987 Apr; 178(4):421–7

Impaired fat deposition in pregnancy: an indicator for nutritional intervention. Viegas OA, et al. **Am J Clin Nutr** 1987 Jan;45(1):23–8

Proceedings from the International Symposium on Renal Function and Disease in Pregnancy. Chicago, Illinois, September 19–20, 1986. **Am J Kidney Dis** 1987 Apr; 9(4):243–380

Kidney function in pregnant women. Davison JM. **Am J Kidney Dis** 1987 Apr;9(4):248–52 (12 ref.)

Control of vascular reactivity in pregnancy. Gant NF, et al. **Am J Kidney Dis** 1987 Apr;9(4):303–7 (12 ref.)

Renal tubular function in gestation. Green R, et al. **Am J Kidney Dis** 1987 Apr;9(4):265–9 (9 ref.)

Water homeostasis and vasopressin release during rodent and human gestation. Lindheimer MD, et al. **Am J Kidney Dis** 1987 Apr;9(4):270–5 (14 ref.)

Pregnancy: an overfill or underfill state. Schrier RW, et al. **Am J Kidney Dis** 1987 Apr;9(4):284–9 (23 ref.)

Fetal heart rate responses to maternal exercise. Artal R, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):729–33

Effect of calcium supplementation on the vascular sensitivity to angiotensin II in pregnant women [letter] Lopez-Jaramillo P, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):261–2

Arterial blood pressure standards during normal pregnancy and their relation with mother-fetus variables. Margulies M, et al. **Am J Obstet Gynecol** 1987 May;156(5):1105–9

Serial noninvasive evaluation of cardiovascular hemodynamics during pregnancy. Mashini IS, et al. **Am J Obstet Gynecol** 1987 May;156(5):1208–13

Calculated capillary hydrostatic pressure in normal pregnancy and preeclampsia. Oian P, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):102–6

Effect of low-dose aspirin on angiotensin II pressor response in human pregnancy. Sanchez-Ramos L, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):193–4

Changes in optometric findings during pregnancy. Manges TD, et al. **Am J Optom Physiol Opt** 1987 Mar;64(3):159–66

Neurovascular function in the rat during pregnancy. Hart JL, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1000–8

Body composition, food intake, and brown fat thermogenesis in pregnant Djungarian hamsters. Schneider JE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R314–20

Interaction of prenatal starvation and dexamethasone treatment on lung development in newborn guinea pigs. Lechner AJ. **Am Rev Respir Dis** 1987 May;135(5):991–6

The effect of pregnancy on pulmonary nitrogen washout. A study of pre-oxygenation. Byrne F, et al. **Anaesthesia** 1987 Feb;42(2):148–50

Pre-oxygenation and the parturient patient. Russell GN, et al. **Anaesthesia** 1987 Apr;42(4):346–51

Noninvasive measurement of gastric emptying in obstetric patients. O'Sullivan GM, et al. **Anesth Analg** 1987 Jun; 66(6):505–11

Prostaglandins and uterine sensitization for the decidual cell reaction. Kennedy TG. **Ann NY Acad Sci** 1986;476:43–8 (26 ref.)

Tentative extrapolation of animal data to human implantation. Lejeune B, et al. **Ann NY Acad Sci** 1986;476:63–74

Biochemical responses of the luminal epithelium and uterine sensitization. Moulton BC, et al. **Ann NY Acad Sci** 1986; 476:95–109

Uterine receptivity for nidation. Psychoyos A. **Ann NY Acad Sci** 1986;476:36–42 (32 ref.)

Regulation of food intake during pregnancy and lactation. Rosso P. **Ann NY Acad Sci** 1987;499:191–6 (26 ref.)

Pregnancy-associated inhibition of coronary artery atherosclerosis in monkeys. Evidence of a relationship with endogenous estrogen. Adams MR, et al. **Arterioscler Thromb** 1987 Jul-Aug;7(4):378–84

Effects of external calcium and calcium antagonist, diltiazem, on isolated segments of pregnant human myometrium. Kawarabayashi T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):409–17

Peripherally detectable hormones--their relation to the increased uterine activity during standing in pregnant women. von Mandach U, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):7–12

Fresh gas flow requirements using the ADE anaesthetic system during late pregnancy. Duncan PW, et al. **Br J Anaesth** 1987 Mar;59(3):360–3

Enhanced phagocytosis of mononuclear phagocytes in pregnancy. Koumandakis E, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1150–4

Stroke and minute distance in pregnancy: a longitudinal study using Doppler ultrasound. McLennan FM, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):499–506

The effect of fetal heart rate on umbilical artery flow velocity waveforms. Mires G, et al. **Br J Obstet Gynaecol** 1987 Jul; 94(7):665–9

Units for the evaluation of uterine contractility. Phillips GF, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):236–41

The effect of position and delay on stroke and minute distance in late pregnancy. Rawles JM, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):507–11

Low human fetal heart rate variation in normal pregnancy. Smith JH, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):656–64

Dietary supplementation in pregnancy [letter] Watney PJ, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1102

Spinal cord mediation of the opioid analgesia of pregnancy. Sander HW, et al. **Brain Res** 1987 Apr 7;408(1-2):389–93

Physiological dead space during general anaesthesia for Caesarean section. Shankar KB, et al. **Can J Anaesth** 1987 Jul;34(4):373–6

Breast stimulation in cycling women, pregnant women and a woman with induced lactation: pattern of release of oxytocin, prolactin and luteinizing hormone. Amico JA, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):97–106

The effect of prostaglandin E1 upon the pressor and hormonal response to exogenous angiotensin II in human pregnancy. Broughton Pipkin F, et al. **Clin Sci** 1987 Mar; 72(3):351–7

Pigmentary demarcation lines during pregnancy. Vázquez M, et al. **Cutis** 1986 Oct;38(4):263–6

Control of the uteroplacental circulation in health and disease. Asíali NS, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):43–55 (45 ref.)

The variation of the mean spinability of human cervical mucus throughout the various stages of reproductive life. Automatic measurement and statistical study. Chretien FC, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Oct; 9(5):289–97

Maternal blood supply to the coneptus. Gruenwald P. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):23–34

Possible functions of nonvillous trophoblast. Park WW. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):35–46

Uteroplacental vascular pathology. Robertson WB, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):47–65

Development and ultrastructural adaptations of the human placenta. Wynn RM. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1-2):3–21

Intrauterine responses to nipple stimulation in late pregnancy. Viegas OA, et al. **Gynecol Obstet Invest** 1986;22(3):128–33

Will food supplementation in pregnant women decrease neonatal morbidity? Offringa PJ, et al. **Hum Nutr Clin Nutr** 1987 Jul;41(4):311–5

Dark adaptation in pregnant and lactating Gambian women: feasibility of measurement and relation to vitamin A status. Villard L, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):349–57

Establishing early pregnancy levels of serum progesterone in functionally agonadal women using polysiloxane vaginal rings and cylinders. Sauer MV, et al. **Hum Reprod** 1987 May;2(4):287–9

Cardiorespiratory fitness during pregnancy and its effect on outcome. Wong SC, et al. **Int J Sports Med** 1987 Apr; 8(2):79–83

Prenatal weight gains related to the birth of healthy-sized infants to low-income women. Brown JE, et al. **J Am Diet Assoc** 1986 Dec;86(12):1679–83

Increased HVR in pregnancy: relationship to hormonal and metabolic changes. Moore LG, et al. **J Appl Physiol** 1987 Jan;62(1):158–63

A survey of nutrition, caffeine, cigarette and alcohol intake in early pregnancy in an urban clinic population. Brooten D, et al. **J Nurse Midwifery** 1987 Mar-Apr;32(2):85–90

Weight gain in pregnancy. Dohrmann KR, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Nov-Dec; 15(6):446–53

Use of breast stimulation for contraction stress tests. Mayberry LJ, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Mar-Apr;16(2):121–4

Fatigue during the first trimester of pregnancy. Poole CJ. **J Obstet Gynecol Neonatal Nurs** 1986 Sep-Oct;15(5):375–9

Variability analysis of fetal heart rate signals as obtained from abdominal electrocardiographic recordings. Cerutti S, et al. **J Perinat Med** 1986;14(6):445–52

The potential distribution generated by the fetal heart at the maternal abdomen. Oostendorp TF, et al. **J Perinat Med** 1986;14(6):435–44

The clinical relevance of the abdominal fetal electrocardiogram. Pardi G, et al. **J Perinat Med** 1986; 14(6):371–7 (6 ref.)

Abdominal wall hot spots in pregnant women. Goodlin RC, et al. **J Reprod Med** 1987 Mar;32(3):177–80

The blood pressure course in primiparous pregnancy. A prospective study of 383 women. Reiss RE, et al. **J Reprod Med** 1987 Jul;32(7):523–6

Magnesium and pregnancy. Valenzuela GJ, et al. **Magnesium** 1987;6(3):128–35 (50 ref.)

Non-fertilizing spermatozoa: initiators of gestational physiology. Chaykin S. **Med Hypotheses** 1987 Jun; 23(2):153–5

Thermoregulatory and metabolic responses to jogging prior to and during pregnancy. Clapp JF 3d, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):124–30

Mutagenicity testing of amniotic fluid from smokers and non-smokers at 16 weeks of pregnancy. Rivrud GN, et al. **Mutat Res** 1986 Nov;175(3):195–7

Gap junction formation in the human uterine muscle cell of the corpus and cervix during the menstrual cycle and pregnancy. Saito Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):135–40

Feeding children: in the beginning—nutrition and pregnancy. Pickard BM. **Nutr Health** 1986;4(3):155–66 (55 ref.)

Recruitment of multiple follicular development for in vitro fertilization in the presence of a viable intrauterine pregnancy. Diamond MP, et al. **Obstet Gynecol** 1987 Sep; 70(3 Pt 2):498–9

Measurement of cardiac output during pregnancy: validation of Doppler technique and clinical observations in preeclampsia. Easterling TR, et al. **Obstet Gynecol** 1987 Jun;69(6):845–50

Echocardiography of the pericardium in pregnancy. Enein M, et al. **Obstet Gynecol** 1987 Jun;69(6):851–3

Doppler evaluation of umbilical venous and arterial blood flow in the second and third trimesters of normal pregnancy. Gerson AG, et al. **Obstet Gynecol** 1987 Oct; 70(4):622–6

Maternal ocular adaptations during pregnancy. Weinreb RN, et al. **Obstet Gynecol Surv** 1987 Aug;42(8):471–83 (141 ref.)

Pain and discomfort thresholds in late pregnancy. Cogan R, et al. **Pain** 1986 Oct;27(1):63–8

Self-selection of calcium during pregnancy and lactation in rats. Woodside B, et al. **Physiol Behav** 1987;39(3):291–5

Key issues in nutrition. From conception through infancy. Fahey PJ, et al. **Postgrad Med** 1987 Jan;81(1):301–5, 308

Exercise and pregnancy. How each affects the other. Hale RW. **Postgrad Med** 1987 Sep 1;82(3):61–3

Nutritional effects on the fetus and mammary gland during pregnancy. Mellor DJ. **Proc Nutr Soc** 1987 Jul;46(2):249–57 (64 ref.)

Effect upon the human myometrium during early pregnancy of prostaglandin E2 and its analogue

16-phenoxy-omega-17,18,19,20-tetranor-PGE2 methyl sulfonylamide. Rydnert J. **Prostaglandins** 1986 Jul; 32(1):57-61

Quantitative blood flow in the fetal descending aorta and in the umbilical vein in normal pregnancies. Longitudinal and cross-sectional studies. Rasmussen K. **Scand J Clin Lab Invest** 1987 Jun;47(4):319-24

Endocrine changes and urinary citrate excretion. Hammar ML, et al. **Scand J Urol Nephrol** 1987;21(1):51-3

Unexpected weight regain following successful jaw wiring. Farquhar DL, et al. **Scott Med J** 1986 Jul;31(3):180

Effects of pregnancy and sex hormones on the liver. **Semin Liver Dis** 1987 Feb;7(1):1-66

Pregnancy-associated sex steroids and their effects on the liver. Van Thiel DH, et al. **Semin Liver Dis** 1987 Feb; 7(1):1-7

Maternal adaptation in twin pregnancy. Campbell DM. **Semin Perinatol** 1986 Jan;10(1):14-8 (25 ref.)

[Changes in lung function and blood gas analysis in pregnancy] Li MC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):352-5, 383 (Eng. Abstr.) **(Chi)**

[Pregnancy and delivery after kidney transplantation. A case report and review] Wang SR. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May;21(3):142-4, 191 (Eng. Abstr.) **(Chi)**

[Histological changes in the ripening of the uterine cervix during pregnancy] Zhu Q. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):276-8, 318 (Eng. Abstr.) **(Chi)**

[Preliminary study of the effects of diagnostic ultrasound in early pregnant women on the chorionic villi] Liu L, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):71-4 (Eng. Abstr.) **(Chi)**

[Clinical aspects of pregnancy in the sportswoman] Lemarie PH, et al. **Rev Fr Gynecol Obstet** 1986 Sep 20;81(9):469-72 (12 ref.) (Eng. Abstr.) **(Fre)**

[Effects of compression stockings on blood circulation in late pregnancy] Weber S, et al. **Geburtshilfe Frauenheilkd** 1987 Jun;47(6):395-400 (Eng. Abstr.) **(Ger)**

[Endocrinology in pregnancy] Göretzlehner G. **Zentralbl Gynakol** 1987;109(2):73-87 (Eng. Abstr.) **(Ger)**

[Effect of maternal constitutional factors and weight increase in pregnancy on the neonatal measurements of weight and length] Grabow D, et al. **Zentralbl Gynakol** 1987; 109(11):681-92 (Eng. Abstr.) **(Ger)**

[Ultrasound studies of arterial blood flow in the pregnant uterus] Pál A, et al. **Zentralbl Gynakol** 1986;108(21):1301-6 (Eng. Abstr.) **(Ger)**

[Relation between corpus luteum function and serum prolactin concentration early in pregnancy] Stubert B, et al. **Zentralbl Gynakol** 1986;108(21):1318-23 (Eng. Abstr.) **(Ger)**

[Cardiovascular effects of pregnancy. Critical observations on the interpretation of non-invasive parameters of ventricular function] Vancheri F, et al. **Cardiologia** 1986 Jun;31(6):453-9 (Eng. Abstr.) **(Ita)**

[Does physiologic pregnancy determine the compromise of the cardiac function? Non-invasive study] Talarico G, et al. **Minerva Cardioangiol** 1987 May;35(5):237-40 (Eng. Abstr.) **(Ita)**

[Hemodynamics in pregnancy evaluated by non-invasive technics] Hirata F. **Nippon Naika Gakkai Zasshi** 1986 Jul; 75(7):898-908 **(Jpn)**

[Follicular development in pregnancy and the polycystic ovarian syndrome] Chikazawa K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2195-200 (Eng. Abstr.) **(Jpn)**

[Placental implantation as the cause of breech presentation] Haruyama Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):92-8 (Eng. Abstr.) **(Jpn)**

[Studies on changes in the uterine cervix during pregnancy] Onizawa S. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):633-40 (Eng. Abstr.) **(Jpn)**

[Smoking and pregnancy] Rivrud GN. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):662-4 (Eng. Abstr.) **(Nor)**

[The fate of women treated for threatened abortion] Gasińska-Drozdowska I, et al. **Ginekol Pol** 1986 Sep; 57(9):612-4 (Eng. Abstr.) **(Pol)**

[Correlation of the stages of pregnancy and the dynamics of labor induced with prostaglandin F2 alpha] Lembrych S, et al. **Ginekol Pol** 1986 Aug;57(8):549-53 (Eng. Abstr.) **(Pol)**

[Principles of the systems approach to studying the relation between mother and fetus] Savchenkov Iul. **Akush Ginekol (Mosk)** 1987 Jan;(1):3-7 **(Rus)**

[Myometrial compliance and the mechanism of synchronization of the contractions of smooth muscle elements of the wall of the uterus] Savitskiĭ GA, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):21-5 (Eng. Abstr.) **(Rus)**

[Characteristics of the osmoregulatory function of the kidneys during physiological pregnancy] Gozhenko AI, et al. **Fiziol Cheloveka** 1986 Nov-Dec;12(6):1011-5 **(Rus)**

[Analysis of the relation between the basic parameters of gas exchange, pulmonary ventilation and hemodynamics in pregnant women] Lopatin VA, et al. **Fiziol Cheloveka** 1987 May-Jun;13(3):456-62 **(Rus)**

[Changes in the phasic structure of right and left ventricular contraction in the late periods of a physiological pregnancy] Perel'man IuM. **Fiziol Cheloveka** 1986 Nov-Dec;12(6):1005-10 **(Rus)**

[Physiologic properties of the smooth muscles of the cervix uteri in the rat] Tsirkin VI. **Fiziol Zh SSSR** 1986 Dec; 72(12):1635-42 (Eng. Abstr.) **(Rus)**

[Mobility of the spine and pelvis in active female athletes during physiologic pregnancy] Kovalčíková J, et al. **Cesk Gynekol** 1987 May;52(4):268-72 (Eng. Abstr.) **(Slo)**

PSYCHOLOGY

Psychological response to amniocentesis: I. Mood state and adaptation to pregnancy. Phipps S, et al. **Am J Med Genet** 1986 Sep;25(1):131-42

Psychological response to amniocentesis: II. Effects of coping style. Phipps S, et al. **Am J Med Genet** 1986 Sep;25(1):143-8

Femininity--a problem(?) [letter] Eichner E. **Am J Obstet Gynecol** 1987 Aug;157(2):517

The planning of pregnancy among low-income women in central Harlem. McCormick MC, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):145-9

Psychological adaptation to pregnancy in childless women more than 35 years of age. Robinson GE, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):328-33

Maternal-infant attachment: a developmental perspective. Mertin PG. **Aust NZ J Obstet Gynaecol** 1986 Nov; 26(4):280-3

Subsequent pregnancy following the birth of an extremely low birth-weight infant. Yu VY, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):115-9

Foetal heart rate and maternal emotional state. Benson P, et al. **Br J Med Psychol** 1987 Jun;60 (Pt 2):151-4

Psychotropic drugs. Loudon JB. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):167-9

Parity and sexual behavior in pregnancy. Pepe F, et al. **Clin Exp Obstet Gynecol** 1987;14(1):60-5

Conspectus. Sex and pregnancy current concepts. Walbroehl GS. **Compr Ther** 1986 Nov;12(11):3-6

Doctors having families: the effect of pregnancy and childbearing on relationships with patients. Candib LM, et al. **Fam Med** 1987 Mar-Apr;19(2):114-9

Smoking and pregnancy: awareness, attitudes and habit changes. Buist A, et al. **Health Bull (Edinb)** 1987 Jul; 45(4):179-84

An application of the PRECEDE model for planning and evaluating health education methods for pregnant smokers. Windsor RA. **Hygie** 1986 Sep;5(3):38-44

The psychological experience of pregnancy. Bailey LA, et al. **Int J Psychiatry Med** 1986-87;16(3):263-74

The impact of the therapist's pregnancy on the dynamics of the therapeutic process. Fuller RL. **J Am Acad Psychoanal** 1987 Jan;15(1):9-28

Fetal health locus of control scale: development and validation. Labs SM, et al. **J Consult Clin Psychol** 1986 Dec;54(6):814-9

Perinatal outcomes and family medicine [letter] Smilkstein G. **J Fam Pract** 1987 Jun;24(6):574, 576

Aerobic exercise, maternal self-esteem, and physical discomforts during pregnancy. Wallace AM, et al. **J Nurse Midwifery** 1986 Nov-Dec;31(6):255-62

Marital support during pregnancy. Brown MA. **J Obstet Gynecol Neonatal Nurs** 1986 Nov-Dec; 15(6):475-83

Expecting in prison: preparing for birth under conditions of stress. Fogel CI, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Nov-Dec;15(6):454-8

Maternal prenatal attachment in normal and high-risk pregnancies. Kemp VH, et al. **J Obstet Gynecol Neonatal Nurs** 1987 May-Jun; 16(3):179-84

The relationship between expectations of pregnancy and birth, and transient depression in the immediate post-partum period. Knight RG, et al. **J Psychosom Res** 1987;31(3):351-7

Maternal-fetal attachment in relation to self-concept and anxiety. Gaffney KF. **Matern Child Nurs J** 1986 Summer; 15(2):91-101

Stress and later-life childbearing: important implications for nursing. Mansfield PK, et al. **Matern Child Nurs J** 1986 Fall;15(3):139-51

First pregnancy after 35: what is the experience? Winslow W. **MCN** 1987 Mar-Apr;12(2):92-6

Re: 'Spouses' body image changes during and after pregnancy: a replication and extension' [letter] Fawcett J. **Nurs Res** 1987 Jul-Aug;36(4):220, 243

Multidimensional health locus of control of pregnant women who smoke. Desmond SM, et al. **Psychol Rep** 1987 Feb; 60(1):191-4

A randomised controlled trial of individual counselling of smokers in pregnancy. Lilley J, et al. **Public Health** 1986 Sep;100(5):309-15

Assessment of risk by pregnant women: implications for genetic counseling and education. Chase GA, et al. **Soc Biol** 1986 Spring-Summer;33(1-2):57-64

Working during pregnancy: physical and psychosocial strain. Stein ZA, et al. **State Art Rev Occup Med** 1986 Jul-Sep; 1(3):405-9 (21 ref.)

Women's important relationships during pregnancy and the preterm labor event. Richardson P. **West J Nurs Res** 1987 May;9(2):203-22

[Recent maternity and manifestations of anxiety-depression. Epidemiological study of a population of non-consulting primiparas of the Liège region] Timsit M, et al. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):502-8 (Eng. Abstr.) **(Fre)**

[Prenatal preparation: characteristics of participants and nonparticipants] Dumont C, et al. **Can J Public Health** 1986 Sep-Oct;77(5):354-8 (Eng. Abstr.) **(Fre)**

[Prenatal origin of parent-child relations. I. Attempt at a schema of development] Wertheim ES, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):433-41 (Eng. Abstr.) **(Fre)**

[Physician's obligation to request the patient to revisit his office. 25 June 1985 judgment of the Federal High Court] Rieger HJ. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):234-5 **(Ger)**

[Prepartal expectations, behavior in labor and the puerperium and postpartal satisfaction with the labor experience. I. Significance of partner and prenatal preparation] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):432-4 (Eng. Abstr.) **(Ger)**

[Prepartum expectations, behavior in labor and the puerperium and postpartum satisfaction with the birth experience. II. Rooming-in and breast feeding] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Aug;46(8):541-4 (Eng. Abstr.) **(Ger)**

[Sexual behavior in pregnancy] Magdowski E, et al. **Z Gesamte Hyg** 1987 Jun;33(6):310-2 (Eng. Abstr.) **(Ger)**

[The clinical interview in obstetric psychoprophylaxis] Gasparini M, et al. **Minerva Ginecol** 1987 Apr;39(4):277-9 (Eng. Abstr.) **(Ita)**

[Psychological impact of echographic examinations on the pregnant woman] Gulisano AS, et al. **Minerva Ginecol** 1987 Apr;39(4):271-6 (Eng. Abstr.) **(Ita)**

[Maternal attitudes in women with high-risk pregnancy] Golańska Z. **Ginekol Pol** 1986 Sep;57(9):605-8 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Inadvertently performed hysterosalpingography during early pregnancy. Justesen P, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov-Dec;27(6):711-3

American Academy of Pediatrics Committee on Radiology: Radiation of pregnant women. **Pediatrics** 1978 Jan; 61(1):117-8

[A study of the indications for X-ray pelvimetry] Liu FW. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Nov;21(6):366-8, 392 (Eng. Abstr.) **(Chi)**

URINE

Urinary kallikrein and kininase activity in normal and complicated by hypertension pregnancy. Moneta E, et al. **Adv Exp Med Biol** 1986;198 Pt B:305-11

Control of sodium excretion in human pregnancy. Gallery ED, et al. **Am J Kidney Dis** 1987 Apr;9(4):290-5 (21 ref.)

Urinary digoxin-like immunoreactive substance in pregnancy. Relation to urinary electrolytes. Friedman HS, et al. **Am J Med** 1987 Aug;83(2):261-4

Comparison of the analytical characteristics of ten urinary hCG tests for early pregnancy diagnosis. Thomas CM, et al. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):216-22

Urinary kallikrein excretion in normal and hypertensive pregnancy at term. Sipilä R, et al. **Ann Clin Res** 1986; 18(4):208-10

The urinary excretion of albumin in normal pregnancy. Wright A, et al. **Br J Obstet Gynaecol** 1987 May; 94(5):408-12

Detection of desialylated forms of human chorionic gonadotropin. Imamura S, et al. **Clin Chim Acta** 1987 Mar 30;163(3):339-49

Inhibition of follicle-stimulating hormone/diethylstilbestrol-stimulated ovarian growth by extracts of pregnancy urine. Blithe DL, et al. **Endocrinology** 1986 Nov;119(5):2270-8

Urinary calcium excretion in pregnancy. Marya RK, et al. **Gynecol Obstet Invest** 1987;23(2):141-4

Diurnal variation in the excretion of 6 beta-hydroxycortisol and estriol at 32 weeks gestation. YoungLai EV, et al. **Gynecol Obstet Invest** 1987;23(3):157-9

Pilot study to detect early pregnancy and early fetal loss. Ellish NJ, et al. **J Occup Med** 1986 Oct;28(10):1069-73

Ketonuria in normal pregnancy. Chez RA, et al. **Obstet Gynecol** 1987 Feb;69(2):272-4

Uromodulin, an immunosuppressive protein derived from pregnancy urine, is an inhibitor of interleukin 1. Brown KM, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9119-23

[A sensitive reversed passive hemoagglutination assay for the estimation of urine human chorionic gonadotropin and its clinical applications] Hu SZ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Nov;21(6):360-2, 391-2 (Eng. Abstr.) **(Chi)**

[Use of the enzymo-immunological method (ELISA) for determining urinary levels of human chorionic gonadotropin] Tadeusiak W, et al. **Pol Tyg Lek** 1987 Jan 12;42(2):38-9 (Eng. Abstr.) **(Pol)**

PREGNANCY, ABDOMINAL

Term abdominal pregnancy, meconium aspiration, and extracorporeal membrane oxygenation. Beck R, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):186-8

Lithokelyphos. A case report and literature review. Spirtos NM, et al. **J Reprod Med** 1987 Jan;32(1):43-6

Combined intra-abdominal and intrauterine pregnancies after gamete intrafallopian transfer [letter] Abdalla HI, et al. **Lancet** 1986 Nov 15;2(8516):1153-4
Hydrocephalic fetus in an abdominal pregnancy. Leikin E, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):498-500
Combined extra- and intra-uterine pregnancies. A report of 3 cases. Ombelet W, et al. **S Afr Med J** 1986 Oct 25; 70(9):559-60

COMPLICATIONS

A chronic lung disorder following abdominal pregnancy. Bell JB, et al. **Am J Dis Child** 1987 Oct;141(10):1111-3
Rupture of cornual ectopic pregnancy after dilatation and curretage. Zorko MF. **Ann Emerg Med** 1987 Jul; 16(7):808-10
Abdominal pregnancy complicated by appendicitis. Case report. Partington CK, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1011-2
An abdominal pregnancy with infected gestational sac. Kifle G. **Ethiop Med J** 1987 Jan;25(1):41-3
Lithopaedion—an unusual abdominal lump. Mukhopadhyay B, et al. **J Indian Med Assoc** 1986 Sep;84(9):278-9
Postpartum polyhydramnios: a unique complication of advanced abdominal pregnancy. Spinnato JA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):490-2
Advanced extra-uterine pregnancy associated with eclampsia. A report of 2 cases. Moodley J, et al. **S Afr Med J** 1987 Apr 4;71(7):460-1

DIAGNOSIS

Sonographic findings in abdominal pregnancy. Stanley JH, et al. **AJR** 1986 Nov;147(5):1043-6
The spherical sac: a suggestive early sign of abdominal pregnancy? Cheung YT, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):63-6
Advanced and unsuspected secondary abdominal pregnancy misdiagnosed before laparotomy. Acien P, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):323-9
Advanced abdominal pregnancy in Muhimbili Medical Centre, Tanzania. Mbura JS, et al. **Int J Gynaecol Obstet** 1986 Jun;24(3):169-76

OCCURRENCE

Abdominal pregnancy in the United States: frequency and maternal mortality. Atrash HK, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):333-7

PATHOLOGY

Primary splenic pregnancy. Tantachamroon T, et al. **J Med Assoc Thai** 1986 Sep;69(9):495-9
[Prolonged abdominal pregnancy] Geshev G, et al. **Akush Ginekol (Sofiia)** 1987;26(3):62-5 **(Bul)**
[Rare case of primary abdominal interstitial pregnancy in the Slotnik-Goldfarb syndrome] Ivanov L. **Akush Ginekol (Sofiia)** 1987;26(2):31-3 (Eng. Abstr.) **(Bul)**
[Erosion of a uterine horn by an abdominal pregnancy implanted on the fundus uteri] Ivanov L, et al. **Akush Ginekol (Sofiia)** 1986;25(5):86-8 (Eng. Abstr.) **(Bul)**
[Hemorrhagic delivery in a full-term abdominal pregnancy with a live infant] Jacob F, et al. **Ann Fr Anesth Reanim** 1986;5(4):450-2 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Abdominal pregnancy: mother and infant survival. Goldstein PJ. **Md Med J** 1987 Apr;36(4):346-8
Fetal lung growth in experimental utero-abdominal pregnancy. Moessinger AC. **Obstet Gynecol** 1986 Nov; 68(5):675-8

SURGERY

Long-term follow-up after removal of an abdominal pregnancy: ultrasound evaluation of the involuting placenta. Belfar HL, et al. **J Ultrasound Med** 1986 Sep; 5(9):521-3
[A case of abdominal pregnancy at term with a live child] Charles G, et al. **Rev Fr Gynecol Obstet** 1987 Feb; 82(2):127-32 (Eng. Abstr.) **(Fre)**

VETERINARY

[Primary and secondary extrauterine pregnancy in a cat] Laube T. **Tierarztl Prax** 1986;14(4):509-13 (Eng. Abstr.) **(Ger)**

PREGNANCY, ADOLESCENT see **PREGNANCY IN ADOLESCENCE**

PREGNANCY, ANIMAL

see related
ANIMALS, NEWBORN

On the presence of GABA in ovarian, tubal and uterine rat tissues. Modification at different stages of the estrous cycle and during pregnancy. Gimeno MF, et al. **Adv Biochem Psychopharmacol** 1986;42:275-82
Effects of pregnancy on cardiac function and myosin enzymology in the rat. Buttrick PM, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H846-50
Effect of fetal growth on maternal protein metabolism in postabsorptive rat. Ling PR, et al. **Am J Physiol** 1987 Mar; 252(3 Pt 1):E380-90
Alanine uptake by liver at midpregnancy in rats. Pastor-Anglada M, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E408-13
Negative-feedback inhibition of fetal ACTH secretion by maternal cortisol. Wood CE. **Am J Physiol** 1987 Apr;252(4 Pt 2):R743-8
Effect of intravenous epinephrine on uterine artery blood flow velocity in the pregnant guinea pig. Chestnut DH, et al. **Anesthesiology** 1986 Dec;65(6):633-6
Suppression by pregnancy of chemically induced preneoplastic cells of the rat mammary gland. Grubbs CJ, et al. **Anticancer Res** 1986 Nov-Dec;6(6):1395-400
An evaluation of pregnancy testing in sheep using a real-time ultrasound scanner. Davey CG. **Aust Vet J** 1986 Oct; 63(10):347-8
Endometrial prostaglandin E2-binding sites in the pig: characterization and changes during the estrous cycle and early pregnancy. Kennedy TG, et al. **Biol Reprod** 1986 Oct;35(3):624-32
Oxytocin, oxytocin-associated neurophysin, and prostaglandin F2 alpha concentrations in the utero-ovarian vein of pregnant and nonpregnant sheep. Hooper SB, et al. **Endocrinology** 1986 Dec;119(6):2590-7
Ultrastructure of the stellate cells in the pars distalis of the adenohypophysis of the pregnant brown bat Myotis myotis under normal and experimental conditions. Jimenez L, et al. **Folia Morphol (Praha)** 1986;34(4):372-6
Evaluation of the fate of blastocysts in pregnancy-blocked mice: effect of sterile mating. Rajendren G, et al. **Indian J Exp Biol** 1986 Aug;24(8):481-3
Ultrasonographic appearance of the bovine conceptus from days 10 through 20. Curran S, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1289-94
Ultrasonographic appearance of the bovine conceptus from days 20 through 60. Curran S, et al. **J Am Vet Med Assoc** 1986 Nov 15;189(10):1295-302
Genetic parameter estimates for reproductive traits of male and female littermate swine. Bates RO, et al. **J Anim Sci** 1986 Aug;63(2):377-85
Genotype x environment interactions involving proportion of Brahman breeding and season of birth. II. Postweaning growth, sexual development and reproductive performance of heifers. Bolton RC, et al. **J Anim Sci** 1987 Jul;65(1):48-55
Reproduction in Javanese sheep: evidence for a gene with large effect on ovulation rate and litter size. Bradford GE, et al. **J Anim Sci** 1986 Aug;63(2):418-31
Improving sow productivity through management during gestation, lactation and after weaning. Britt JH. **J Anim Sci** 1986 Oct;63(4):1288-96
Influence of feeding time and diet on time of parturition in multiparous ewes. Hudgens RE, et al. **J Anim Sci** 1986 Oct;63(4):1036-40
Simulation of genetic control of reproduction in beef cows. II. Derived genetic parameters. Johnson MH, et al. **J Anim Sci** 1987 Jul;65(1):76-87
Simulation of genetic control of reproduction in beef cows. I. Simulation model. Johnson MH, et al. **J Anim Sci** 1987 Jul;65(1):68-75
Simulation of genetic control of reproduction in beef cows. III. Within-herd breeding value estimation with known breeding dates. Notter DR, et al. **J Anim Sci** 1987 Jul; 65(1):88-98
Response of nonpregnant versus pregnant gilts and their fetuses to severe feed restriction. Pond WG, et al. **J Anim Sci** 1986 Aug;63(2):472-83
Effect of gestation-lactation diet calcium and zinc levels and of parenteral vitamins A, D and E during gestation on ewe body weight and on lamb weight and survival. Pond WG, et al. **J Anim Sci** 1986 Oct;63(4):1019-25
Production characters of primiparous females of a five-breed diallel. Sacco RE, et al. **J Anim Sci** 1987 Jun;64(6):1612-8
Effects of marginal selenium deficiency and winter protein supplementation on growth, reproduction and selenium status of beef cattle. Spears JW, et al. **J Anim Sci** 1986 Aug;63(2):586-94
Serum folates in gestating swine after folic acid addition to diet. Tremblay GF, et al. **J Anim Sci** 1986 Oct;63(4):1173-8
Factors affecting embryo transfer success in recipient heifers under field conditions. Weaver LD, et al. **J Dairy Sci** 1986 Oct;69(10):2711-7
Effect of low carbohydrate diets during pregnancy on parturition and postnatal survival of the newborn rat pup. Koski KG, et al. **J Nutr** 1986 Oct;116(10):1938-48
Effect of low carbohydrate diets during pregnancy on embryogenesis and fetal growth and development in rats. Koski KG, et al. **J Nutr** 1986 Oct;116(10):1922-37
Effect of zinc status on the binding of prostaglandins to ovarian membranes and intact platelets of pregnant rats. Li ET, et al. **J Nutr** 1986 Aug;116(8):1448-55
Influence of pregnancy, lactation, litter size and diet energy density on the pancreas of sows. Pelletier G, et al. **J Nutr** 1986 Aug;116(8):1480-8
Stimulant action of pethidine on the pregnant rat uterus in-vitro. Fazackerley J, et al. **J Pharm Pharmacol** 1987 Jun;39(6):491-2
Placental transfer of diphenhydramine in chronically instrumented pregnant sheep. Yoo SD, et al. **J Pharm Sci** 1986 Jul;75(7):685-7
Pregnancy rate in timed-mated, spontaneously cyclic rhesus monkeys, Macaca mulatta. Eddy CA, et al. **J Reprod Fertil** 1986 Nov;78(2):705-10
Ovarian follicular development during early pregnancy in cattle. Guilbault LA, et al. **J Reprod Fertil** 1986 Sep; 78(1):127-35
Endocytotic activity in the endometrium during conceptus attachment in the cow. Guillomot M, et al. **J Reprod Fertil** 1986 Sep;78(1):27-36
Identification of bovine trophoblast protein-1, a secretory protein immunologically related to ovine trophoblast protein-1. Helmer SD, et al. **J Reprod Fertil** 1987 Jan; 79(1):83-91
Age-related changes in plasma oestrogen concentration, behavioural responsiveness to oestrogen, and reproductive success in female gray-tailed voles, Microtus canicaudus. Petersen SL. **J Reprod Fertil** 1986 Sep;78(1):57-64
The effect of restraint stress in early pregnancy in mice. Wiebold JL, et al. **J Reprod Fertil** 1986 Sep;78(1):185-92
Characterization of hormone-dependent suppressor cells in the uterus of mated and pseudopregnant mice. Brierley J, et al. **J Reprod Immunol** 1987 Mar;10(3):201-17
Antibody isotype produced by pregnant mice immunised with fetal allogeneic lymphocytes is mainly IgG1. Chen RE, et al. **J Reprod Immunol** 1987 Mar;10(3):189-99
Thermal and heart rate response to ultrasonic exposure in the second and third trimester dog fetus. Gross DR, et al. **J Ultrasound Med** 1986 Sep;5(9):507-13
Effects of sexual steroid hormones treatment on Ca2+ sensitivity of chemically skinned uterine muscle fibers from ovariectomized rats. Ochiai K, et al. **Jpn J Physiol** 1986; 36(6):1275-9
Embryo-deprived platelet-activating factor is essential for establishment of pregnancy in the mouse [letter] Spinks NR, et al. **Lancet** 1987 Jan 10;1(8524):106-7
Pregnancy after tubo-ovarian transplantation. Scott JR, et al. **Obstet Gynecol** 1987 Aug;70(2):229-34
Penetration of light into the uterus of pregnant animals. Jacques SL, et al. **Photochem Photobiol** 1987 May; 45(5):637-41
Prenatal stress: effects on sexual receptivity in female rats. Rojo M, et al. **Rev Esp Fisiol** 1986 Sep;42(3):379-81
Monoclonal antibodies against murine neonatal and pregnancy-associated natural suppressor cells induce resorption of the fetus. Grönvik KO, et al. **Scand J Immunol** 1987 May;25(5):533-40
Investigation of the teratogenic effects of exercise on pregnancy outcome in mice. Boehnke WH, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):391-7
Identification of a low molecular weight polypeptide of pregnant bovine uterine origin (LMW-UDF): influence on coagulation system in vitro. Part I. Speidel MT, et al. **Thromb Res** 1987 Apr 1;46(1):77-87
Maternal behavior. Crowell-Davis SL, et al. **Vet Clin North Am [Equine Pract]** 1986 Dec;2(3):557-71
Maternal and neonatal behavior. Gonyou HW, et al. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):231-49 (117 ref.)
Bovine quintuplets [letter] Hosegood M. **Vet Rec** 1987 Jun 20;120(25):603
Comparison of the anthelmintic efficacy of oxfendazole or ivermectin administered orally and ivermectin administered subcutaneously to sheep during the periparturient period. McKellar QA, et al. **Vet Rec** 1987 Apr 18;120(16):383-6
Echographic diagnosis of twin pregnancy in thoroughbreds [letter] Rossdale PD, et al. **Vet Rec** 1987 May 9;120(19):466
[Ultrastructural changes in the uterine epithelium and in the immunocompetent cells of the lymph nodes draining the uterus during pregnancy in swine] Georgieva R, et al. **Vet Med Nauki** 1986;23(10):54-64 (Eng. Abstr.) **(Bul)**
[Pregnancy diagnosis in thoroughbred mares using radioimmunoassay (RIA), enzyme immunoassay (kit) and ultrasound echography (scanning)] Rasbech NO, et al. **Nord Vet Med** 1986 Nov-Dec;38(6):370-7 (Eng. Abstr.) **(Dan)**
[Was Cato naughty?] van Schaik AM, et al. **Tijdschr Diergeneeskd** 1986 Sep 1;111(17):811-2 **(Dut)**
[Morphometric study of ultrastructural modifications in the maternal hepatocyte during normal gestation in the Wistar rat] Martin-Pont B, et al. **Arch Anat Microsc Morphol Exp** 1985;74(4):229-36 (Eng. Abstr.) **(Fre)**
[The importance of pH value for the estimation of sperm quality and course of estrus for the attainment of good fertilization results. 3. Behavior of the pH value in original and diluted sheep sperm and its relation to rate of pregnancy] Menger H, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):933-8 (Eng. Abstr.) **(Ger)**
[Deep freezing of microsurgically split bovine embryos and the production of monozygotic twins of different ages] Brem G, et al. **DTW** 1987 Apr 8;94(4):195-7 (Eng. Abstr.) **(Ger)**
[Electron microscopic studies of the differentiation of the mammary gland parenchyma in goats during pregnancy and early lactation] Augsburger H. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):529-44 (Eng. Abstr.) **(Ger)**

BLOOD

Acid-base balance of dogs in obstetrical clinical practice. Szenci O, et al. **Acta Vet Hung** 1986;34(1-2):109-15
Effects of fetal insulin infusion on glucose kinetics in pregnant

sheep: a compartmental analysis. Bloch CA, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E448–56

Fetal responses to altered maternal oxygenation in rhesus monkey. Jackson BT, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R94–101

Melatonin rhythms in fetal and maternal circulation during pregnancy in sheep. Yellon SM, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E799–802

Blood constituents in relation to the reproductive state in she-camel (Camelus dromedarius). Eltohamy MM, et al. **Beitr Trop Landwirtsch Veterinarmed** 1986;24(4):425–30

Platelets and pregnancy. Pratt HP. **Bioessays** 1986 Apr; 4(4):177–8

Detection of pregnancy by radioimmunoassay of a novel pregnancy-specific protein in serum of cows and a profile of serum concentrations during gestation. Sasser RG, et al. **Biol Reprod** 1986 Nov;35(4):936–42

Haematological values during normal reproduction of the maternal and the fetal rabbit. Kriesten K, et al. **Comp Biochem Physiol [A]** 1987;87(2):479–85

Development of the gestational plasma hypoaminoacidemia in the rat. Pastor-Anglada M, et al. **Comp Biochem Physiol [A]** 1986;85(4):735–8

Influence of age, sex, lactational state and exogenous growth hormone on erythrocyte UMP synthase in dairy cattle. Jones LR, et al. **Comp Biochem Physiol [B]** 1986; 84(4):489–95

Glucose tolerance tests and "in vivo" response to intravenous insulin in the unanaesthesized late pregnant rat and their consequences to the fetus. Martin A, et al. **Diabete Metab** 1986 Dec;12(6):302–7

The relationship between declining plasma progesterone levels and increasing luteinizing hormone pulse frequency in late gestation in the rat. Devorshak-Harvey E, et al. **Endocrinology** 1987 Apr;120(4):1597–601

Hamster placental lactogens: gestational profiles and high molecular weight forms. Southard JN, et al. **Endocrinology** 1987 Sep;121(3):900–6

Fetal blood sampling by fetoscopy in pregnant ewes. Aarnoudse JG, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):105–8

Plasma levels of gastrin, somatostatin, and cholecystokinin immunoreactivity during pregnancy and lactation in dogs. Linden A, et al. **Gastroenterology** 1987 Mar;92(3):578–84

Factors contributing to early embryonic mortality in gilts bred at first estrus. Archibong AE, et al. **J Anim Sci** 1987 Feb;64(2):474–8

Serum isocitrate dehydrogenase during polybrominated biphenyl toxicosis in dairy cattle. Schanbacher FL, et al. **J Anim Sci** 1987 Feb;64(2):467–73

Expression of rat alpha 2-macroglobulin gene during pregnancy. Hayashida K, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):989–93

Maternal insulin and placental 3-O-methyl glucose transport. Rankin JH, et al. **J Dev Physiol** 1986 Aug;8(4):247–53

Hormone profiles for progesterone, oestradiol, prolactin, plasma renin activity, aldosterone and corticosterone during pregnancy and pseudopregnancy in two strains of rat: correlation with renal studies. Garland HO, et al. **J Endocrinol** 1987 Jun;113(3):435–44

Pregnancy-associated esterase in sera of baboons. Cheng ML, et al. **J Exp Zool** 1987 Jan;241(1):113–21

Diurnal variations of plasma melatonin concentrations in pregnant or pseudopregnant mink (Mustela vison) maintained under different photoperiods. Ravault JP, et al. **J Pineal Res** 1986;3(4):365–73

Changes in progesterone concentrations in the Japanese long-fingered bat, Miniopterus schreibersii fuliginosus. Kimura K, et al. **J Reprod Fertil** 1987 May;80(1):59–63

Overfeeding during early pregnancy reduces peripheral progesterone concentration and pregnancy rate in sheep. Parr RA, et al. **J Reprod Fertil** 1987 May;80(1):317–20

Serological detection of early pregnancy in cattle and partial characterization of a serum glycoprotein associated with early pregnancy. Klima F, et al. **J Reprod Immunol** 1987 May;11(1):31–9

Effect of feed intake level in late gestation on arterial blood concentrations of energy substrates, insulin and glucagon in the chronically catheterized gilt. Simoes Nunes C, et al. **Reprod Nutr Dev** 1987;27(1A):77–87

Seasonal variations in plasma phosphorus levels of transhumant sheep in Kordofan, Sudan. Cook RH, et al. **Trop Anim Health Prod** 1987 Feb;19(1):57–62

Development of a continuous blood collection technique and a detailed study of prostaglandin F2 alpha release during luteolysis and early pregnancy in heifers. Basu S, et al. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):487–500

[A decrease in blood beta-carotene in dairy cows during late pregnancy period] Lebeda M. **Vet Med (Praha)** 1986 Sep; 31(9):513–20 (Eng. Abstr.) **(Cze)**

[Estradiol-17beta, testosterone, progesterone and cortisol levels in pregnant cows after ACTH administration in various stages of pregnancy] Janowski T, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):870–5 (Eng. Abstr.) **(Ger)**

[Initial results of the determination of luteinizing hormones during early pregnancy in swine] Kanitz E, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):114–20 (Eng. Abstr.) **(Ger)**

[Plasma levels of estradiol-17beta and estrone in cows before parturition, with special reference to the concentration in the subcutaneous abdominal vein and the uterine vein] Janowski T, et al. **Zentralbl Veterinarmed [A]** 1987 May; 34(5):321–5 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Blood pressure response to angiotensin II in pregnant and lactating goats maintained on high or low sodium intake. Olsson K, et al. **Acta Physiol Scand** 1987 Jan;129(1):73–80

The effect of a bacterial endotoxin or cloprostenol on the clinical status and hormonal levels in 80–100 days pregnant gilts. Cort N, et al. **Acta Vet Scand** 1986;27(2):145–58

Preclinical toxicology of pirmenol hydrochloride. Martin RA, et al. **Am J Cardiol** 1987 Jun 15;59(16):10H–14H

The embryotoxic and immunodepressive effects of gossypol. Sein GM. **Am J Chin Med** 1986;14(3–4):110–5

Effect of antipyrine on prostaglandin levels and uterine and umbilical blood flow. Cashner KA, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1305–10

Forskolin: unique diterpene activator of adenylate cyclase in pregnant and nonpregnant guinea pig myometrial membranes. Hatjis CG. **Am J Obstet Gynecol** 1986 Dec; 155(6):1202–8

Hemodynamic effects of intravenous cocaine on the pregnant ewe and fetus. Moore TR, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):883–8

Effect of fetal and maternal intravascular antipyrine infusion on maternal plasma prostaglandin concentrations in the pregnant sheep at 104 to 127 days' gestation. Pimentel G, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1181–5

The hemodynamic response of the conscious pregnant guinea pig to nicotine. Tomasi AM, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1015–8

The interaction between serotonin and angiotensin II in the chronically instrumented guinea pig and its alteration by indomethacin. Weiner C, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):869–75

Role of luteinizing hormone in luteotropic complex of pregnant hamster. Tamura H, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E500–4

Teratogenic effect of acetohydroxamic acid in clinically normal beagles. Bailie NC, et al. **Am J Vet Res** 1986 Dec; 47(12):2604–11

Effects of estrone infusion on secretion of F series prostaglandins and on function of the corpus luteum during late gestation in cattle. Pimentel CA, et al. **Am J Vet Res** 1986 Sep;47(9):1972–7

Prostaglandin-induced abortion in swine: endocrine changes and influence on subsequent reproductive activity. Pressing AL, et al. **Am J Vet Res** 1987 Jan;48(1):45–50

The effect of maternal CO2 breathing on lung development of fetuses in the rabbit. Morphologic and morphometric studies. Nagai A, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):130–6

Lymphatic system of mice born from mothers treated with ampicillin or cloxacillin during gestation. Skopińska-Różewska E, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(2):203–8

Pregnancy rate of Brahman-cross heifers to fixed-time insemination following treatment with intravaginal progesterone and pregnant mare serum gonadotrophin. Munro RK. **Aust Vet J** 1987 Feb;64(2):62–3

Factors affecting oestrus response and calving rates following 7-day intravaginal progesterone treatment of cattle. Munro RK. **Aust Vet J** 1987 Jun;64(6):192–4

Effects of perinatal exposure of albino rats to chloroquine. Mgbodile MU. **Biol Neonate** 1987;51(5):273–6

The effects of gonadotrophin releasing hormone administration four days after insemination on first-service conception rates and corpus luteum function in dairy cows. Leslie KE, et al. **Can J Vet Res** 1986 Apr;50(2):184–7

The effect of LHRH analogs on pregnancy in the baboon. Eley RM. **Contraception** 1987 Apr;35(4):389–93

Flowers of Hibiscus rosa-sinensis, a potential source of contragestative agent. III: Interceptive effect of benzene extract in mouse. Pakrashi A, et al. **Contraception** 1986 Nov; 34(5):523–36

The effect of transient dopamine antagonism on thyrotropin-releasing hormone-induced prolactin release in pregnant rats. Haisenleder DJ, et al. **Endocrinology** 1986 Nov;119(5):1980–8

The effect of a low-dose infusion of ritodrine on cardiac output distribution and uteroplacental blood flow in unanaesthetized pregnant guinea pigs. van de Walle AF, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May; 25(1):67–75

Effect of neonatal androgenization on parturition, lactation and on subsequent fertility in rats. Shanbhag AB, et al. **Indian J Exp Biol** 1987 Jan;25(1):5–10

Evaluation of involvement of coitally induced 'mnemonic' in male-induced pregnancy block (the Bruce effect) in laboratory mice. Thomas KJ, et al. **Indian J Exp Biol** 1986 Nov;24(11):673–5

Effect of 2,5-di(4-methyl phenyl)-1,3,4-oxadiazole on pregnancy in golden hamster. Mehrotra PK, et al. **Indian J Med Res** 1986 Jun;83:614–7

Superovulation and multiple births in beef cattle. Bellows RA, et al. **J Anim Sci** 1972;34 Suppl 1:67–79

Effect of feed treatment and exogenous estrogen and progestogen on puberty and lambing rates in ewe lambs. Burfening PJ, et al. **J Anim Sci** 1986 Dec;63(6):1717–21

Effect of altrenogest and Lutalyse on parturition control, plasma progesterone, unconjugated estrogen and 13,14-dihydro-15-keto-prostaglandin F2 alpha in sows. Guthrie HD, et al. **J Anim Sci** 1987 Jul;65(1):203–11

Effect of level of protein and supplemental choline on reproductive performance of gilts fed sorghum diets. Maxwell CV, et al. **J Anim Sci** 1987 Apr;64(4):1044–50

Effect of prostaglandin F2 alpha administration on early pregnancy in ewes. Naasz PE, et al. **J Anim Sci** 1987 Apr; 64(4):1127–33

Dose-response shift in the ability of gilts to remain pregnant following exogenous estradiol-17 beta exposure. Pope WF, et al. **J Anim Sci** 1986 Oct;63(4):1208–10

Effect of supplementation with concentrates and lasalocid during late pregnancy and lactation on productivity of Rambouillet ewes and development of wool follicles in their lambs. Shetaewi MM, et al. **J Anim Sci** 1987 Aug; 65(2):351–8

Maintenance of the corpus luteum of early pregnancy in the ewe. IV. Changes in luteal sensitivity to prostaglandin F2 alpha throughout early pregnancy. Silvia WJ, et al. **J Anim Sci** 1986 Oct;63(4):1201–7

Low concentrations of zearalenone in diets of mature gilts. Young LG, et al. **J Anim Sci** 1986 Oct;63(4):1191–6

Effect of exposing mice to 50 ATA helium pressure at different stages of pregnancy. Wardley-Smith B, et al. **J Appl Physiol** 1987 Mar;62(3):978–82

ACTH initiation of mammary secretion in pregnant goats is influenced by the stage of gestation and pre partum milking. Stewart HJ, et al. **J Dairy Res** 1987 May; 54(2):179–91

Reproductive performance of lactating Holstein cows fed supplemental beta-carotene. Akordor FY, et al. **J Dairy Sci** 1986 Aug;69(8):2173–8

Effect of 188-day treatment with somatotropin on health and reproductive performance of lactating dairy cows. Eppard PJ, et al. **J Dairy Sci** 1987 Mar;70(3):582–91

Prepartum supplementation of selenium and vitamin E to dairy cows: assessment of selenium status and reproductive performance. Hidiroglou M, et al. **J Dairy Sci** 1987 Jun; 70(6):1281–8

Controlling first service and calving interval by prostaglandin F2 alpha, gonadotropin-releasing hormone, and timed insemination. Lucy MC, et al. **J Dairy Sci** 1986 Aug; 69(8):2186–94

Inhibition of progesterone secretion by a 3 beta-hydroxysteroid dehydrogenase inhibitor in pregnant goats. Taylor MJ. **J Endocrinol** 1987 Jun;113(3):489–93

Effect of long-term infusion of ovine corticotrophin-releasing factor in the immature ovine fetus. Wintour EM, et al. **J Endocrinol** 1986 Dec;111(3):469–75

Maturation of antioxidant enzymes in rat small intestine: lack of glucocorticoid stimulation. Engelhard EL, et al. **J Pediatr** 1987 Sep;111(3):459–63

Relationship between progesterone suppression and pregnancy in rats. Carnathan GW, et al. **J Pharm Pharmacol** 1987 May;39(5):401–4

Effects of delta 9-THC, the principal psychoactive component of marijuana, during pregnancy in the rhesus monkey. Asch RH, et al. **J Reprod Med** 1986 Dec; 31(12):1071–81

Ovarian steroid production in rats treated with gonadotropin-releasing hormone during early pregnancy. Sridaran R. **J Steroid Biochem** 1987 Jan;26(1):1–6

Reproductive toxicity of methyl isocyanate in mice. Varma DR, et al. **J Toxicol Environ Health** 1987;21(3):265–75

2-(1,1'-Biphenyl-4-yl)- 1,2,4-triazole[5,1-a] isoquinoline (L 14105), a potential orally active contragestational agent for the bitch: studies in the rat, hamster and dog. Galliani G, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):246–53

Joint study on the teratogenic sensitivity of the Pika (Ochotona rufescens rufescens) to selected drugs. Nishimura H, et al. **Jikken Dobutsu** 1986 Oct;35(4):387–408

Blockade by cycloheximide of the prepartum changes in membrane activity and adrenergic response of the circular muscle of rat uterus. Maruta K, et al. **Jpn J Physiol** 1986; 36(5):971–83

The effects of aluminium ingestion on reproduction and postnatal survival in rats. Domingo JL, et al. **Life Sci** 1987 Aug 31;41(9):1127–31

Changes of SCE frequency and chromatin molecular composition in rat progeny whose mothers were treated with oral contraceptives in early pregnancy. Liu C, et al. **Mutat Res** 1987 Sep;180(1):115–20

Detomidine in pregnant cows. Pyörälä E, et al. **Nord Vet Med** 1986 Jul-Aug;38(4):237–40

Effect of OKY-046, a selective thromboxane inhibitor, on prostaglandin production and function of pregnant rat uteri and platelets. Ghodgaonkar RB, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):33–46

Reproductive performance of female goats given progestagen associated with PMSG and/or HMG in deep anestrus. Cairoli F, et al. **Reprod Nutr Dev** 1987;27(1A):13–9

Toxic effects of cyclopiazonic acid in the early phase of pregnancy in mice. Nishie K, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):303–15

The potential relationship of maternal toxicity, general stress, and fetal outcome. Chernoff N, et al. **Teratogenesis Carcinog Mutagen** 1987;7(3):241–53

Assessment of adult toxicity in developmental versus prechronic toxicology studies. Schwetz BA, et al. **Teratogenesis Carcinog Mutagen** 1987;7(3):211–23 (54 ref.)

Pregnancy outcomes after weekly oral administration of ethanol during gestation in the pig-tailed macaque (Macaca

nemestrina). Clarren SK, et al. **Teratology** 1987 Jun; 35(3):345–54

Strain differences in phenobarbital-induced teratogenesis in mice. Finnell RH, et al. **Teratology** 1987 Apr;35(2):177–85

Deleterious effects of adrenocorticotrophic hormone administration during late pregnancy upon offspring somatic, neurological, and sexual development in mice. Harvey PW, et al. **Teratology** 1987 Apr;35(2):229–38

Calcium homeostasis in pregnant rats treated with ethylene glycol monomethyl ether (EGME). Toraason M, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):197–203

A comparative study of the reproductive effects of methadone and benzo[a]pyrene in the pregnant and pseudopregnant rat. Bui QQ, et al. **Toxicology** 1986 Dec 15;42(2–3):195–204

Effect of exogenous progesterone and oestrone on litter size in swine. Sheridan PJ, et al. **Vet Rec** 1986 Sep 27; 119(13):322–4

Effect of PCB on some MFO enzyme activities in pregnant and virgin rabbits. Montesissa C, et al. **Vet Res Commun** 1987;11(1):57–64

Effects of feeding ergot-contaminated grain to pregnant and nursing sows. Dignean MA, et al. **Zentralbl Veterinarmed** [A] 1986 Dec;33(10):757–66

[Changes in myometrial reactivity during pregnancy after intra-amniotic administration of a hypertonic saline solution] Atanasov A, et al. **Akush Ginekol (Sofiia)** 1987; 26(2):22–7 (Eng. Abstr.) **(Bul)**

[The effect of exposure to carcinogens during pregnancy on the oncogenesis of the offspring: an experimental study] Ou BX. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar; 15(1):3–5 (Eng. Abstr.) **(Chi)**

[Pharmacological study on the effect of testosterone propionate to terminate early pregnancy] Zhou MH, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):647–50 (Eng. Abstr.) **(Chi)**

[New data on the hormonal requirement of the pregnant rabbit: partial pregnancies and fetal abnormalities after treatment with a hormonal antagonist given at a sub-abortive dosage] Jost A. **C R Acad Sci [III]** 1986; 303(7):281–4 (Eng. Abstr.) **(Fre)**

[Embryotoxicity of the products of the Maillard reaction. Methionine-glucose and methionine-lactose] Darboux R, et al. **J Toxicol Clin Exp** 1986 Nov–Dec;6(6):377–86 (Eng. Abstr.) **(Fre)**

[Aspartame and its effect on gestation in rats] Lederer J, et al. **J Toxicol Clin Exp** 1985 Jan–Feb;5(1):7–14 (Eng. Abstr.) **(Fre)**

[Long-term toxicity of nourseothricin] Chemnitius KH, et al. **Arch Exp Veterinarmed** 1986 Sep;40(5):744–53 (Eng. Abstr.) **(Ger)**

[Effect of various doses of progesterone in early pregnancy on the fertility of young and adult sows] Schlegel W, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):599–604 (Eng. Abstr.) **(Ger)**

[Changes in the reaction of the cardiovascular system to angiotensin II in pregnancy modified by aspirin] Paradowski A, et al. **Zentralbl Gynakol** 1986;108(15):906–13 (Eng. Abstr.) **(Ger)**

[Effect of methyl hesperidin on the prenatal development of rats] Kawashima K, et al. **Eisei Shikenjo Hokoku** 1986; (104):64–8 (Eng. Abstr.) **(Jpn)**

[Effect of oral administration of sorbitan monostearate on prenatal and postnatal development of the rat] Takada K, et al. **Eisei Shikenjo Hokoku** 1986;(104):58–64 (Eng. Abstr.) **(Jpn)**

[Effect of chlordane on the prenatal development of rats] Usami M, et al. **Eisei Shikenjo Hokoku** 1986;(104):68–73 (Eng. Abstr.) **(Jpn)**

[Teratological test of 10% nitroglycerin (NT-1 ointment) in rabbits] Imoto S, et al. **J Toxicol Sci** 1986 May;11 Suppl 2:59–70 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (II)—Oral administration to rats during the period of fetal organogenesis] Takahashi N, et al. **J Toxicol Sci** 1986 Apr; 11 Suppl 1:195–25 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (III)—Oral administration to rabbits during the period of fetal organogenesis] Takahashi N, et al. **J Toxicol Sci** 1986 Apr; 11 Suppl 1:227–39 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (VI)—Intravenous administration to rats during the perinatal and lactation periods] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:281–300 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (IV)—Oral administration to rats during the perinatal and lactation periods] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:241–61 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (V)—Intravenous administration to rats prior to and in the early stages of pregnancy] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:263–79 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (I)—Oral administration to rats prior to and in the early stages of pregnancy] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:177–94 (Eng. Abstr.) **(Jpn)**

[Reproduction study of 1,1,3-trimethyl-5-phenylbiuret (ST-281): teratological study in rabbits by oral administration] Yamakita O, et al. **J Toxicol Sci** 1986 May; 11 Suppl 2:71–80 (Eng. Abstr.) **(Jpn)**

[Effect of isepamicin (HAPA-B) on reproduction. IV. Peri- and post-natal study in rats (intramuscular administration)] Kubota H, et al. **Jpn J Antibiot** 1986 Dec;39(12):3311–28 (Eng. Abstr.) **(Jpn)**

[Effect of isepamicin (HAPA-B) on reproduction. I. Fertility study in rats (intramuscular administration)] Sasaki M, et al. **Jpn J Antibiot** 1986 Dec;39(12):3283–90 (Eng. Abstr.) **(Jpn)**

[Effect of isepamicin (HAPA-B) on reproduction. II. Teratological study in rats (intramuscular administration)] Sasaki M, et al. **Jpn J Antibiot** 1986 Dec;39(12):3291–310 (Eng. Abstr.) **(Jpn)**

[A basic study of the oxytocic effect of prostacyclin on the uterine muscle in pregnant rats] Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1722–6 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunoactive products of placenta. V: Soluble factors from murine placenta can block effector stages of maternal antipaternal cell-mediated immunity. Chaouat G, et al. **Am J Reprod Immunol Microbiol** 1986 Nov;12(3):70–7

Pathogenicity and immunogenicity of a mutagen-attenuated Rift Valley fever virus immunogen in pregnant ewes. Morrill JC, et al. **Am J Vet Res** 1987 Jul;48(7):1042–7

Immunological role of the cellular constituents of the decidua in the maintenance of semiallogeneic pregnancy. Lala PK, et al. **Ann NY Acad Sci** 1986;476:183–205

Macrophages and implantation. Tachi C, et al. **Ann NY Acad Sci** 1986;476:158–82

Characterization of immunosuppressive substances in the basic protein fraction of uterine secretions from pregnant ewes. Hansen PJ, et al. **Biol Reprod** 1987 Mar;36(2):393–403

Characterization of the cellular basis for the inhibition of cytolytic effector cells by murine placenta. Clark DA, et al. **Cell Immunol** 1986 Oct 1;102(1):43–51

Active suppression of host-versus-graft reaction in pregnant mice. VIII. The uterine decidua-associated suppressor cell is distinct from decidual NK cells. Slapsys RM, et al. **Cell Immunol** 1986 Apr 15;99(1):140–9

The role of RT1 antigen differences in semi-allogeneic rat pregnancy. Power DA, et al. **Clin Sci** 1987 Jan;72(1):37–45

Immunogenetic determinants of the size of the fetoplacental unit and their modus operandi. Beer AE. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):135–46

Induction of yolk-sac tumors in the pregnant rat. Vandeputte M, et al. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1–2):155–9

Immune protective mechanisms during pregnancy. I. Cell-mediated immunity against Listeria monocytogenes in pregnant mice. Shinomiya N, et al. **Immunology** 1986 Nov;59(3):373–8

Transfer of antibodies directed to paternal major histocompatibility class I antigens from pregnant mice to the developing fetus. Adeniyi-Jones SC, et al. **J Immunol** 1987 Mar 1;138(5):1408–15

The immunostimulatory effect of T cells and T cell lymphokines on murine fetally derived placental cells. Athanassakis I, et al. **J Immunol** 1987 Jan 1;138(1):37–44

Allogeneic matings and immunization have different effects on nulliparous and multiparous mice. Chavez DJ, et al. **J Immunol** 1987 Jul 1;139(1):85–8

Evaluation of intrauterine immune suppression during pregnancy in a species with epitheliochorial placentation. Croy BA, et al. **J Immunol** 1987 Aug 15;139(4):1088–95

Class I-like MHC molecules expressed by baboon placental syncytiotrophoblast. Stern PL, et al. **J Immunol** 1987 Feb 15;138(4):1088–91

Bactericidal activity of peripheral blood neutrophils during the oestrous cycle and early pregnancy in the mare. Strzemienski PJ, et al. **J Reprod Fertil** 1987 May; 80(1):289–93

Humoral immune responses in murine pregnancy. V. Relationship to the differential immunogenicity of placental and fetal tissues. Bell SC, et al. **J Reprod Immunol** 1986 Dec;9(4):289–302

'Background' Ig-secreting cells in pregnant germfree mice fed a chemically defined ultrafiltered diet. Bos NA, et al. **J Reprod Immunol** 1986 Nov;9(3):237–46

Maternal humoral immune response to incompatibility at multiple minor histocompatibility loci in mice. Heyner S, et al. **J Reprod Immunol** 1987 Jan;10(1):43–54

Altered humoral immunity during pregnancy in the guinea pig. Hibma M, et al. **J Reprod Immunol** 1987 Apr; 10(4):299–307

Effect of pregnancy on the immune response of cattle to a Brucella vaccine. Winter AJ, et al. **J Reprod Immunol** 1986 Dec;9(4):313–25

Observation of lymphocyte function in perinatal cows and neonatal calves. Ishikawa H. **Nippon Juigaku Zasshi** 1987 Jun;49(3):469–75

Porcine parvovirus: propagation in microcarrier cell culture and immunogenic evaluation in pregnant gilts. Rivera E, et al. **Res Vet Sci** 1986 Nov;41(3):391–6

The effect of cyclosporine on humoral and cellular alloreactivity to allogeneic pregnancy in rats. Cunningham C, et al. **Transplantation** 1986 Oct;42(4):400–3

Lymphocyte localization in lymph nodes of pubescent, prepartum, and postpartum sheep. Harp JA, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):297–310

METABOLISM

Distribution of halothane and the metabolites trifluoroacetic acid and bromide in the conceptus after halothane inhalation by pregnant mice. Ghantous H, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):370–6

Action of GnRH on steroid secretion by luteal cells of cyclic and early pregnant sows in vitro. Grazul A, et al. **Acta Physiol Hung** 1987;69(2):203–10

Oestradiol-17 beta influence on testosterone production of luteal cells from early pregnant, oestradiol benzoate-treated and human chorionic gonadotropin-treated sows in vitro. Grażul A, et al. **Acta Vet Hung** 1986;34(3–4):263–9

Barium selenate as a slow-release selenium preparation to pigs. Brun E, et al. **Acta Vet Scand** 1986;27(3):388–96

Disposition of acute, multiple-dose ethanol in the near-term pregnant ewe. Brien JF, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):204–11

Epidermal growth factor deficiency during pregnancy causes abortion in mice. Tsutsumi O, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):241–4

Perinatal stress and increased fluctuating asymmetry of dental calcium in the laboratory rat. Siegel MI, et al. **Am J Phys Anthropol** 1987 Jun;73(2):267–70

Pregnancy-induced insulin resistance in liver and skeletal muscles of the conscious rabbit. Hauguel S, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E165–9

Efficiency of food utilization by pregnant and lactating sows. 2. The influence of isocaloric diets with different protein levels on pregnancy and lactation. Burlacu G, et al. **Arch Tierernahr** 1986 Sep;36(9):803–25

Protein composition of the luminal fluid and protein synthesis in vitro by the oviducts and uteri of ovariectomized, pro-oestrus and 5-day pregnant rats. Wang RX, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):257–69

Decreased lipid peroxidation in the rat kidney during gestation. Devasagayam TP, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):134–8

Dopamine binding to the alpha receptor in pregnant rabbit myometrium. Phillippe M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):947–52

Changes in brown adipose tissue lipoprotein lipase activity and lipogenesis rate during pregnancy and lactation in the rat. Villarroya F, et al. **Biochem Int** 1986 Sep;13(3):511–9

The maximal activity of phosphate-dependent glutaminase and glutamine metabolism in late-pregnant and peak-lactating rats. Ardawi MS. **Biochem J** 1987 Feb 15; 242(1):75–80

Activities of branched-chain amino acid aminotransferase and branched-chain 2-oxo acid dehydrogenase complex in tissues of maternal and fetal sheep. Goodwin GW, et al. **Biochem J** 1987 Feb 15;242(1):305–8

The role of prolactin and progesterone in the regulation of lipogenesis in maternal and foetal rat liver in vivo and in isolated hepatocytes during the last day of gestation. Lorenzo M, et al. **Biochem J** 1986 Oct 1;239(1):135–9

Effects of pregnancy on the cytochrome P-450 system in mice. Lambert GH, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1965–71

Biochemical characterization and biosynthesis of the uterine milk proteins of the pregnant sheep uterus. Hansen PJ, et al. **Biol Reprod** 1987 Mar;36(2):405–18

Uterine media proteins in the rat during gestation. Jacobs MH, et al. **Biol Reprod** 1987 Feb;36(1):157–65

Urea and ammonia in urine and plasma of fed-mid-pregnant rats. Pastor-Anglada M, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):134–7

The metabolism of acetone in the pregnant rat. Peinado J, et al. **Biosci Rep** 1986 Nov;6(11):983–9

Vitamin D metabolism during pregnancy. Paulson SK, et al. **Bone** 1986;7(5):331–6 (65 ref.)

Effects of sodium intake during two parities on Na status in blackface sheep. Vincent IC, et al. **Br J Nutr** 1987 May; 57(3):447–55

Pharmacokinetics of ethanol and its metabolite, acetaldehyde, and fetolethality in the third-trimester pregnant guinea pig for oral administration of acute, multiple-dose ethanol. Clarke DW, et al. **Can J Physiol Pharmacol** 1986 Aug; 64(8):1060–7

Analysis and in situ detection of cholecalcin messenger RNA (9000 Mr CaBP) in the uterus of the pregnant rat. Warembourg M, et al. **Cell Tissue Res** 1987 Jan;247(1):51–7

Effect of indomethacin on plasma levels of vitamin D metabolites, oestradiol and progesterone in rabbits during early pregnancy. Sedrani SH, et al. **Comp Biochem Physiol [A]** 1987;87(3):635–9

Glycoconjugate synthesis during early pregnancy: hyaluronate synthesis and function. Carson DD, et al. **Dev Biol** 1987 Mar;120(1):228–35

Hydroxylation and glucuronidation of various xenobiotics by hepatic microsomes from the fetal lamb, pregnant ewe and human fetus. Dvorchik BH, et al. **Dev Pharmacol Ther** 1986;9(4):282–9

Effect of propranolol on alpha-amino-isobutyric acid and water kinetics in the materno-fetal unit of the rat. Ventura MA, et al. **Dev Pharmacol Ther** 1986;9(4):266–81

Carbohydrate metabolism of female rat adipocytes: effects and mechanisms of action of progesterone. Sutter-Dub MT. **Diabete Metab** 1986 Dec;12(6):329–36

Characterization of purified rabbit uterine renin: influence of pregnancy on uterine inactive renin. Dzau VJ, et al. **Endocrinology** 1987 Jan;120(1):358–64

A unique placental lactogen receptor: implications for fetal growth. Freemark M, et al. **Endocrinology** 1987 May; 120(5):1865–72

Receptors for chorionic gonadotropin in the corpus luteum of the rhesus monkey during simulated early pregnancy: lack of down-regulation. Ottobre JS, et al. **Endocrinology** 1986 Oct;119(4):1594–602

Insulin specific binding sites in the myometrium of pregnant rats. Sakamoto H, et al. **Endocrinology** 1987 May; 120(5):1951–5

Analysis of relaxin release from cultured porcine luteal cells by reverse hemolytic plaque assay: influence of gestational age and prostaglandin F2 alpha. Taylor MJ, et al. **Endocrinology** 1987 May;120(5):2085–91

Effects of early pregnancy and acute 17 beta-estradiol administration on porcine uterine secretion, cyclic nucleotides, and catecholamines. Young KH, et al. **Endocrinology** 1987 Jan;120(1):254–63

Effects of lead in the laboratory mouse. 1. Influence of pregnancy upon absorption, retention, and tissue distribution of radiolabeled lead. Donald JM, et al. **Environ Res** 1986 Dec;41(2):420–31

Isoforms of myosin and actin in human, monkey and rat myometrium. Comparison of pregnant and non-pregnant uterus proteins. Cavaillé F, et al. **Eur J Biochem** 1986 Nov 3;160(3):507–13

Comparison of intrauterine prostaglandin metabolism during pregnancy in man, sheep and guinea pig. Keirse MJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug; 8(4):195–203

Transfer and dynamics of uric acid in the pregnant rhesus monkey. II. A mathematical model. van Kreel BK, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):219–26

Transfer and dynamics of uric acid in the pregnant rhesus monkey. I. Transplacental and renal uric acid clearances. Wallenburg HC, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):211–7

Irreversible in vivo and in vitro binding of thiabendazole to tissue protein of pregnant mice. Yoneyama M, et al. **Food Chem Toxicol** 1986 Dec;24(12):1283–6

Essential metal balance and retention during the second half of pregnancy in the rat. Romeu A, et al. **Gynecol Obstet Invest** 1987;23(1):40–7

Fetal-maternal transfer of [H3]-6 beta-hydroxycortisol in the pregnant ewe. Lai PC, et al. **Horm Metab Res** 1986 Aug; 18(8):526–9

Free amino acid pools in some tissues of the pregnant rat. Pastor-Anglada M, et al. **Horm Metab Res** 1986 Sep; 18(9):590–4

Effects of gamma-linolenic acid supplementation on lipogenesis regulation in pregnant zinc-deficient rat and fetus. Dib A, et al. **Int J Biochem** 1986;18(11):1053–6

Evolution of the sensitivity of isolated adipocytes of ewes to the lipolytic effects of different stimuli during pregnancy and lactation. Iliou JP, et al. **Int J Biochem** 1987;19(3):253–8

Effect of restriction of energy during lactation on body condition, energy metabolism, endocrine changes and reproductive performance in primiparous sows. Armstrong JD, et al. **J Anim Sci** 1986 Dec;63(6):1915–25

Effects of prepartum energy intake on steroids during late gestation and on cow and calf performance. Boyd GW, et al. **J Anim Sci** 1987 Jun;64(6):1703–9

Influence of exogenous growth hormone and gestational diet on sow blood and milk characteristics and on baby pig blood, body composition and performance. Kveragas CL, et al. **J Anim Sci** 1986 Dec;63(6):1877–87

Effects of maternal undernutrition during early pregnancy on growth, muscle cellularity, fiber type and carcass composition in lambs. Nordby DJ, et al. **J Anim Sci** 1987 May;64(5):1419–27

Effect of stage of lactation, stage of pregnancy, milk yield and herd management on seasonal variation in spontaneous lipolysis in bovine milk. Chazal MP, et al. **J Dairy Res** 1986 Nov;53(4):529–38

Impact of prepartum dietary phosphorus intake on calcium homeostasis at parturition. Barton BA, et al. **J Dairy Sci** 1987 Jun;70(6):1186–91

Predicting maternal protein and fat balances of growing and mature dry cows. Holter JB, et al. **J Dairy Sci** 1986 Oct; 69(10):2622–35

Dietary energy regulation during gestation on subsequent lactational response to soybean meal or dried brewers grains. Seymour WM, et al. **J Dairy Sci** 1986 Nov; 69(11):2837–45

Quantification of progesterone binding in mammary tissue of pregnant ewes. Smith JJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1178–85

Effect on maternal and fetal renal function and plasma renin activity of a high salt intake by the ewe. Stevens AD, et al. **J Dev Physiol** 1986 Aug;8(4):267–75

A possible dual regulation of prolactin release by the serotoninergic system in rats at pro-oestrus and during late pregnancy: role of ovarian hormones. Jahn GA, et al. **J Endocrinol** 1987 Mar;112(3):367–74

Energy allocation during concurrent pregnancy and lactation in Norway rats with delayed and undelayed implantation. Oswald C, et al. **J Exp Zool** 1987 Mar;241(3):343–57

Lipoprotein lipase activity in skeletal muscle and brown adipose tissue of pregnant and lactating rats. Champigny O, et al. **J Nutr** 1987 Feb;117(2):349–54

Zinc-vitamin A interaction in pregnant and fetal rats: supplemental vitamin A does not prevent zinc-deficiency-induced teratogenesis. Peters AJ, et al. **J Nutr** 1986 Sep;116(9):1765–71

Magnesium utilization during gestation in the rat and effect of hydrocortisone on it. Aranda P, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr;32(2):237–44

Maintenance energy requirement in pregnant rats and net energetic efficiency for fetal growth during late pregnancy. Imai K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Oct; 32(5):527–36

Analysis of pethidine disposition in the pregnant rat by means of a physiological flow model. Gabrielsson JL, et al. **J Pharmacokinet Biopharm** 1986 Aug;14(4):381–95

Elimination of chronically consumed caffeine in the pregnant monkey (Macaca fascicularis). Gilbert SG, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):891–7

Segmental distribution and gestational changes of GABA-transaminase activity in the rat oviduct. Amenta F, et al. **J Reprod Fertil** 1986 Nov;78(2):593–9

Immunogold co-localization of ovine placental lactogen and the antigen recognized by the SBU-3 monoclonal antibody in sheep placental granules. Lee CS, et al. **J Reprod Fertil** 1986 Nov;78(2):653–62

Developmental changes in the intraplacental distribution of placental lactogen and alkaline phosphatase in the rat. Soares MJ. **J Reprod Fertil** 1987 Jan;79(1):93–8

Detection of early pregnancy in domestic ruminants. Sasser RG, et al. **J Reprod Fertil [Suppl]** 1987;34:261–71 (76 ref.)

Body fat in pregnant rats at mid- and late-gestation. López-Luna P, et al. **Life Sci** 1986 Oct 13;39(15):1389–93

Possible function of carbohydrate on glycoproteins secreted by the pig uterus during pregnancy. Roberts RM, et al. **Mol Cell Biochem** 1986 Nov-Dec;72(1-2):67–79

Effects of pregnancy and lactation on lipolysis of ewe adipocytes induced by beta-adrenergic stimulation. Guesnet P, et al. **Mol Cell Endocrinol** 1987 Apr; 50(3):177–81

Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. III. The effects of ethanol supplemented by a Zn-salt. Gárban Z, et al. **Morphol Embryol (Bucur)** 1986 Jul-Sep;32(3):165–74

Influence of hydrocortisone acetate on the magnesium metabolism during pregnancy in rats. López Frías M, et al. **Nahrung** 1987;31(3):247–51

Influence of hydrocortisone acetate of the longissimus dorsi muscle during gestation of rats. Lopez-Jurado M, et al. **Nahrung** 1987;31(2):133–43

Immunoreactive beta-endorphin concentrations in brain and plasma during pregnancy in rats: possible modulation by progesterone and estradiol. Bridges RS, et al. **Neuroendocrinology** 1987 May;45(5):381–8

Oxytocin and vasopressin immunoreactivity in hypothalamic and extrahypothalamic sites in late pregnant and postpartum rats. Caldwell JD, et al. **Neuroendocrinology** 1987 Jun;46(1):39–47

Immunohistochemical studies on the roles of substance P in the rat hypothalamus: possible implication in the hypothalamic-hypophysial-gonadal axis. Tsuruo Y, et al. **Neuroendocrinology** 1987 May;45(5):389–401

Effect of maternal pituitary-adrenal axis on serum alphafetoprotein levels in pregnant rats. Numa F. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1143–8

Alterations in brain catecholamines during pregnancy. Smolen A, et al. **Pharmacol Biochem Behav** 1987 Mar; 26(3):613–8

Arachidonic acid metabolism by lipoxygenase pathways in uterine and intrauterine tissues of pregnant sheep. Mitchell MD, et al. **Prostaglandins Leukotrienes Med** 1987 May; 27(2-3):197–207

Theophylline pharmacokinetics in pregnant and lactating rats. Brandstetter Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):269–72

Placental transfer of Org 10172, a low-molecular weight heparinoid, in the awake late-pregnant guinea pig. Peeters LL, et al. **Thromb Res** 1986 Nov 1;44(3):277–83

Effect of vitamin D supplementation during pregnancy on the vitamin D status of ewes and their lambs. Smith BS, et al. **Vet Rec** 1987 Feb 28;120(9):199–201

Potential mechanisms for redistribution of polychlorinated biphenyls during pregnancy and lactation. Gallenberg LA, et al. **Xenobiotica** 1987 Mar;17(3):299–310

Alterations in reproductive tissue concentrations of oxytocin and prostaglandins during early pregnancy in the goat. Cooke RG, et al. **Zentralbl Veterinarmed [A]** 1987 Jun; 34(6):415–9

[In vitro demonstration of histamine biosynthesis from carnosine by kidneys of pregnant mice] Arnould JM. **Can J Physiol Pharmacol** 1987 Jan;65(1):70–4 (Eng. Abstr.) **(Fre)**

[Endocrine regulation of phosphorus and calcium metabolism during pregnancy in domestic ruminants] Barlet JP. **J Physiol (Paris)** 1986;81(2):110–7 (Eng. Abstr.) **(Fre)**

[Bibliographic review: quantitative variations and metabolism of lipids in adipose tissue and liver during the gestation-lactation cycle. 2: In the ewe and the cow] Chilliard Y. **Reprod Nutr Dev** 1987;27(2A):327–98 (634 ref.) (Eng. Abstr.) **(Fre)**

[Bibliographic review: Quantitative variations and metabolism of lipids in adipose tissue and the liver during the gestation-lactation cycle. 1. In the rat] Chilliard Y. **Reprod Nutr Dev** 1986;26(5A):1057–103 (327 ref.) (Eng. Abstr.) **(Fre)**

[Preparation and installation of radioimmunoassay for estrone and preliminary results of its use for different biological substrates in swine] Lampe B, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):264–70 (Eng. Abstr.) **(Ger)**

[Preliminary results in the use of a method for determining estrone sulfate in experimental studies on pregnant sows] Lampe B, et al. **Arch Exp Veterinarmed** 1987 May; 41(3):359–65 (Eng. Abstr.) **(Ger)**

[Use of high-fat diets in the feeding of pregnant and lactating sows] Drochner W, et al. **DTW** 1987 Jul-Aug;94(7):424–6 (Eng. Abstr.) **(Ger)**

[Changes of certain parameters of fat metabolism in dairy cows during the peripartum period] Karsai F, et al. **DTW** 1987 May 7;94(5):264–8 (Eng. Abstr.) **(Ger)**

[Long term studies of the influence of the energy supply during pregnancy on body weight changes and reproductive performance in the sow] Kirchgessner M, et al. **Zentralbl Veterinarmed [A]** 1987 Apr;34(4):289–95 (Eng. Abstr.) **(Ger)**

[The behavior of cadmium in rat dams, fetuses and young; through pregnancy, delivery and nursing] Ninomiya R. **Nippon Eiseigaku Zasshi** 1986 Aug;41(3):624–39 (Eng. Abstr.) **(Jpn)**

[Relationship of fetal hind limb and fetal liver on amino acid metabolism in pregnant rats] Kyuma M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):897–904 (Eng. Abstr.) **(Jpn)**

[Changes in enzyme activity associated with polyamine metabolism in the rat fetal liver during the perinatal period] Ohmoto H. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2178–86 (Eng. Abstr.) **(Jpn)**

[Nucleic acids of the lymphoid cells of the pregnant rat subjected to space flight and its progeny] Komolova GS, et al. **Kosm Biol Aviakosm Med** 1987 May-Jun;21(3):66–9 (Eng. Abstr.) **(Rus)**

[Concentration of water and electrolytes in pregnant rats and their offspring after a flight aboard the biosatellite "Cosmos-1514"] Shakhmatova EI, et al. **Kosm Biol Aviakosm Med** 1987 Jan-Feb;21(1):42–7 (Eng. Abstr.) **(Rus)**

[Dietary protein level during pregnancy. Its influence on maternal-fetal exchange of substrates] Marcos A, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):443–55 (Eng. Abstr.) **(Spa)**

[Cerebral dopamine during pregnancy in the rat] Lerdo de Tejada A, et al. **Gac Med Mex** 1986 Mar-Apr;122(3-4):90–2 **(Spa)**

PHYSIOLOGY

Dynamic changes in ovarian structures and in progesterone secretion in the cow throughout the calving-to-conception interval. Stupnicki R, et al. **Acta Vet Hung** 1986; 34(3-4):247–55

The effects of marijuana smoke on gas exchange in ovine pregnancy. Clapp JF 3d, et al. **Alcohol Drug Res** 1987; 7(2):85–92

Wheat gluten during pregnancy and lactation: effects on mammary gland development and pup viability. Jansen GR, et al. **Am J Clin Nutr** 1987 Aug;46(2):250–7

Volume homeostasis during pregnancy in the rat. Barron WM. **Am J Kidney Dis** 1987 Apr;9(4):296–302 (18 ref.)

The determinants of renal hemodynamics in pregnancy. Baylis C. **Am J Kidney Dis** 1987 Apr;9(4):260–4 (9 ref.)

Possible mechanisms for changes in renal hemodynamics during pregnancy: studies from animal models. Conrad KP. **Am J Kidney Dis** 1987 Apr;9(4):253–9 (13 ref.)

Water homeostasis and vasopressin release during rodent and human gestation. Lindheimer MD, et al. **Am J Kidney Dis** 1987 Apr;9(4):270–5 (14 ref.)

Decreased pressor responsiveness in pregnancy: studies in experimental animals. Paller MS. **Am J Kidney Dis** 1987 Apr;9(4):308–11 (10 ref.)

Fetal cardiorespiratory changes during spontaneous prelabor uterine contractions in sheep. Llanos AJ, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):893–7

Pregnancy-induced changes in resistance blood vessels. McLaughlin MK, et al. **Am J Obstet Gynecol** 1986 Dec; 155(6):1296–9

A comparison of the hemodynamic responses of systematic and uteroplacental vasculature to angiotensin in conscious guinea pigs. Hariharan S, et al. **Am J Perinatol** 1987 Jul; 4(3):235–9

Bone changes due to pregnancy and lactation: influence of vitamin D status. Marie PJ, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):E400–6

Autoregulation of renal blood flow and glomerular filtration rate in the pregnant rabbit. Woods LL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R69–72

Myometrial activity during natural and dexamethasone-induced parturition in the cow. Burton MJ, et al. **Am J Vet Res** 1987 Jan;48(1):37–44

Effect of pregnancy on bupivacaine-induced conduction blockade in the isolated rabbit vagus nerve. Flanagan HL, et al. **Anesth Analg** 1987 Feb;66(2):123–6

Embryonic signals in pregnancy. Dey SK, et al. **Ann NY Acad Sci** 1986;476:49–62

Progesterone regulation of protein synthesis and steroid receptor levels in decidual cells. Leavitt WW, et al. **Ann NY Acad Sci** 1986;476:136–57

Maternal responsiveness and nest defense during the prepartum period in laboratory rats. Mayer AD. **Ann NY Acad Sci** 1986;474:216–25 (48 ref.)

Role of the corpus luteum in controlling implantation in mustelid carnivores. Mead RA. **Ann NY Acad Sci** 1986;

476:25–35 (70 ref.)
Endocytosis in the rat uterine epithelium at implantation. Parr MB, et al. **Ann NY Acad Sci** 1986;476:110–21
Progesterone action in preparation for decidualization. Yochim JM. **Ann NY Acad Sci** 1986;476:122–35
Anatomy, physiology and pathology of the amniotic and allantoic compartments in the sheep and cow. Wintour EM, et al. **Aust Vet J** 1986 Jul;63(7):216–21
The effects of ethanol on cellular calcium content in primary myocardial cell cultures from offspring of sedentary and swim-trained pregnant rats. Butler AA, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):496–500
Relationships between histological signs of atresia, steroids in follicular fluid, and gonadotropin binding in individual bovine antral follicles during postpartum anovulation. Spicer LJ, et al. **Biol Reprod** 1987 May;36(4):890–8
Changes in bone mineral and bone formation rates during pregnancy and lactation in rats. Miller SC, et al. **Bone** 1986; 7(4):283–7
Some effects of total mastectomy upon subsequent reproductive performance in sows. Buttle HL. **Br Vet J** 1987 Jul–Aug;143(4):318–27
Inhibition of release of neurohypophysial hormones by endogenous opioid peptides in pregnant and parturient rats. Hartman RD, et al. **Brain Res** 1986 Sep 24;382(2):352–9
The sensitivity of the longitudinal and circular muscle layers of the rat's myometrium to oxytocin in vitro during pregnancy. Crankshaw DJ. **Can J Physiol Pharmacol** 1987 May;65(5):773–7
Rapid formation of myometrial gap junctions during parturition in the unilaterally implanted rat uterus. Ikeda M, et al. **Cell Tissue Res** 1987 May;248(2):297–303
The ultrastructure of the uterine epithelium of the pig during the estrous cycle and early pregnancy. Stroband HW, et al. **Cell Tissue Res** 1986;246(1):81–9
Acute decrease in progesterone and increase in estrogen secretion caused by relaxin during late pregnancy in beef heifers. Musah AI, et al. **Endocrinology** 1987 Jan; 120(1):317–24
Control of breeding in the mare. Colquhoun KM, et al. **Equine Vet J** 1987 Mar;19(2):138–42
Effect of pregnancy on gastric motility in vivo and in vitro in the guinea pig. Ryan JP, et al. **Gastroenterology** 1987 Jul;93(1):29–34
Progesterone receptors in the oviduct of a viviparous snake (Nerodia): correlations with ovarian function and plasma steroid levels. Kleis-San Francisco SK, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):220–9
Plasma steroid hormone levels of female red-sided garter snakes, Thamnophis sirtalis parietalis: relationship to mating and gestation. Whittier JM, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):33–43
Sexual behaviour during ovarian cycles, pregnancy and lactation in group-living stumptail macaques (Macaca arctoides). Nieuwenhuijsen K, et al. **Hum Reprod** 1986 Apr; 1(3):159–69
Factors that influence litter size in swine: parity 3 through 7 females. Clark LK, et al. **J Am Vet Med Assoc** 1987 Jul 1;191(1):49–58
Effect of heat stress on early embryonic development in the beef cow. Biggers BG, et al. **J Anim Sci** 1987 May; 64(5):1512–8
Smell as an exteroceptive factor. Bruce HM. **J Anim Sci** 1966;25 Suppl:83–9 (48 ref.)
The postpartum interval and its relation to fertility in the cow, sow and ewe. Casida LE. **J Anim Sci** 1971;32 Suppl 1:66–72
Reproductive rates, birth weight, calving ease and 24-h calf survival in a four-breed diallel among Simmental, Limousin, Polled Hereford and Brahman beef cattle. Comerford JW, et al. **J Anim Sci** 1987 Jan;64(1):65–76
Female sex steroid changes during the reproductive cycle. Erb RE, et al. **J Anim Sci** 1971;32 Suppl 1:80–106 (201 ref.)
Lambing date and lamb production of spring-mated Rambouillet, Dorset and Finnsheep ewes and their F1 crosses. Iniguez LC, et al. **J Anim Sci** 1986 Sep;63(3):715–28
Lambing performance of Morlam and Dorset ewes under accelerated lambing systems. Iniguez LC, et al. **J Anim Sci** 1986 Dec;63(6):1769–78
Effect of lactation and rebreeding phase energy intake on primiparous and multiparous sow performance. Johnston LJ, et al. **J Anim Sci** 1986 Sep;63(3):804–14
Aspects of the antiluteolytic activity of the conceptus during early pregnancy in ewes. Lacroix MC, et al. **J Anim Sci** 1986 Nov;63(5):1449–58
Nutritional effects on hormone production. Leathem JH. **J Anim Sci** 1966;25 Suppl:68–82
Immunoglobulins in piglets from sows heat-stressed prepartum. Machado-Neto R, et al. **J Anim Sci** 1987 Aug; 65(2):445–55
Effect of embryo on corpus luteum function. Moor RM. **J Anim Sci** 1968;27 Suppl 1:97–118 (96 ref.)
Effects of periparturient disease on postpartum reproduction in dairy cattle. Morrow DA. **J Anim Sci** 1971;32 Suppl 1:17–23
Cow breeding and calf growth performance as affected by pregnancy status the previous year. Neville WE Jr, et al. **J Anim Sci** 1987 Aug;65(2):345–50
Growth and reproductive performance of rabbits on a moderately low crude protein diet with or without methionine or urea supplementation. Raharjo YC, et al. **J Anim Sci** 1986 Sep;63(3):795–803
Utero-ovarian interactions during early pregnancy: role of conceptus-induced vasodilation. Reynolds LP. **J Anim Sci** 1986;62 Suppl 2:47–61 (139 ref.)
Interrelationships between uterus and conceptus to maintain corpus luteum function in early pregnancy: sheep, cattle, pigs and horses. Thatcher WW, et al. **J Anim Sci** 1986;62 Suppl 2:25–46 (189 ref.)
Effects of plane of nutrition and phenobarbital during the pre-mating period on reproduction in ewes fed differentially during the summer and mated in the fall. Thomas DL, et al. **J Anim Sci** 1987 Apr;64(4):1144–52
Concentrations of prolactin, luteinizing hormone and follicle stimulating hormone in pituitary and serum of horses: effect of sex, season and reproductive state. Thompson DL Jr, et al. **J Anim Sci** 1986 Sep;63(3):854–60
Estrous synchronization and establishment of pregnancy in bovine embryo transfer recipients. Coleman DA, et al. **J Dairy Sci** 1987 Apr;70(4):858–66
Relationships between conformation and calving interval in Holstein cows. Dadati E, et al. **J Dairy Sci** 1986 Dec; 69(12):3112–9
Effects of mild inbreeding on productive and reproductive performance of Guernsey cattle. Hermas SA, et al. **J Dairy Sci** 1987 Mar;70(3):712–5
Genetic relationships and additive genetic variation of productive and reproductive traits in Guernsey dairy cattle. Hermas SA, et al. **J Dairy Sci** 1987 Jun;70(6):1252–7
Association of milk protein types with growth and reproductive performance of dairy heifers. Lin CY, et al. **J Dairy Sci** 1987 Jan;70(1):29–39
Influence of genetic differences in merit of mates on sire evaluation. Norman HD, et al. **J Dairy Sci** 1987 Jan; 70(1):141–57
Prolactin in bovine milk near the time of calving and its relationship to premature induction of lactogenesis. Pennington JA, et al. **J Dairy Sci** 1985 May;68(5):1116–22
Effects of acute and prolonged exposure to heat on regional blood flows in pregnant sheep. Alexander G, et al. **J Dev Physiol** 1987 Feb;9(1):1–15
Circulatory adaptation to pregnancy—serial studies of haemodynamics, blood volume, renin and aldosterone in the baboon (Papio hamadryas). Phippard AF, et al. **J Hypertens** 1986 Dec;4(6):773–9
Breeding vervet monkeys in a closed environment. Seier JV. **J Med Primatol** 1986;15(5):339–49
Morphology of the pineal gland in pregnant and nursing sows. Wyrzykowski Z, et al. **J Pineal Res** 1987;4(2):125–34
Assessment of sheep blastocyst effects on neutral lipids in the uterine caruncular epithelium. Boshier DP, et al. **J Reprod Fertil** 1987 Mar;79(2):569–73
Effect of melatonin and removal of pouch young on the seasonality of births in the marsupial possum, Trichosurus vulpecula. Gemmell RT. **J Reprod Fertil** 1987 May; 80(1):301–7
Progesterone production, LH receptors, and oxytocin secretion by ovine luteal cell types on days 6, 10 and 15 of the oestrous cycle and day 25 of pregnancy. Harrison LM, et al. **J Reprod Fertil** 1987 Mar;79(2):539–48
Asymmetry in the ovary and uterus of the golden hamster (Mesocricetus auratus). O WS, et al. **J Reprod Fertil** 1987 May;80(1):21–3
Spacing of conceptuses in the uterine horn and local effects on fetal and placental weights throughout gestation in the rat. Rahima A, et al. **J Reprod Fertil** 1986 Nov;78(2):741–7
Inequality in function of the right and left ovaries and uterine horns of the mouse. Wiebold JL, et al. **J Reprod Fertil** 1987 Jan;79(1):125–34
Influence of pre- and post-copulatory pair contact on pregnancy success in Djungarian hamsters, Phodopus campbelli. Wynne-Edwards KE, et al. **J Reprod Fertil** 1987 May;80(1):241–9
Contracture caused by sodium removal in the pregnant rat myometrium. Matsuzawa K, et al. **Jpn J Physiol** 1987; 37(1):19–31
Diet and breeding performance in cats. Olovson SG. **Lab Anim** 1986 Jul;20(3):221–30
Adaptation of pregnant rhesus monkeys to short-term chair restraint. Golub MS, et al. **Lab Anim Sci** 1986 Oct; 36(5):507–11
Factors affecting radioactive microsphere measurement of blood flow in pregnant guinea pigs. Myers S, et al. **Lab Anim Sci** 1986 Oct;36(5):522–6
Effects of hyperlipidemia on the nursing ability of WHHL rabbits. Shiomi M, et al. **Lab Anim Sci** 1987 Feb;37(1):84–8
Reproduction in mice: liver enlargement in mice during pregnancy and lactation. Hollister A, et al. **Life Sci** 1987 Jan 5;40(1):11–8
Heterologous regulations of cAMP responses in pregnant rat myometrium. Evolution from a stimulatory to an inhibitory prostaglandin E2 and prostacyclin effect. Tanfin Z, et al. **Mol Pharmacol** 1987 Aug;32(1):249–57
Relationship between ovarian follicles and peripheral levels of sex steroid hormones during early midpregnancy in cows. Rayos AA, et al. **Nippon Juigaku Zasshi** 1986 Dec; 48(6):1147–52
Composition of the fetal and maternal guinea pig throughout gestation. Engle WA, et al. **Pediatr Res** 1986 Nov; 20(11):1156–60
Relationship between maternal hemodynamics and hematocrit and hemodynamic effects of isovolemic hemodilution and hemoconcentration in the awake late-pregnant guinea pig. Peeters LL, et al. **Pediatr Res** 1987 Jun;21(6):584–9
Inhibition of diet-induced thermogenesis during pregnancy in the rat. Abelenda M, et al. **Pflugers Arch** 1987 Jul; 409(3):314–7
The effect of pregnancy on dioctyltin dichloride-induced thymic injury [letter] Evans JG, et al. **Thymus** 1986; 8(5):319–20
Intracisternal granules in the somatotrophs in the anterior pituitary of the mouse. Wood BG, et al. **Tissue Cell** 1987; 19(2):235–41
Transfer of frozen-thawed embryos in sheep. Heyman Y, et al. **Vet Rec** 1987 Jan 24;120(4):83–5
Successful transfer of N'Dama embryos into Boran recipients. Jordt T, et al. **Vet Rec** 1986 Sep 6;119(10):246–7
Uterine motility of the sow during the oestrous cycle and early pregnancy. Scheerboom JE, et al. **Vet Res Commun** 1987;11(3):253–69
Distribution of load between the lateral and medial hoof of the bovine hind limb. Ossent P, et al. **Zentralbl Veterinarmed [A]** 1987 Apr;34(4):296–300
[Endometrial cups in horses] Jacobs PH, et al. **Tijdschr Diergeneeskd** 1987 Apr 1;112(7):383–9 (Eng. Abstr.) **(Dut)**
[An enigmatic gestation in Ctenodactylus vali (Rodentia)] Gouat J. **C R Acad Sci [III]** 1986;303(16):665–7 (Eng. Abstr.) **(Fre)**
[Reproductive performance and milk production of Holstein-Friesian cows in Morocco] Boujenane I, et al. **Rev Elev Med Vet Pays Trop** 1986;39(1):145–9 (Eng. Abstr.) **(Fre)**
[Eating and ruminating behavior of sheep. 2. Experiments in pregnant and lactating ewes fed with a straw-concentrate mixture] Dittrich A, et al. **Arch Tierernahr** 1986 Nov;36(11):1043–52 (Eng. Abstr.) **(Ger)**
[The duration of afterbirth expulsion in cattle] Heuwieser W, et al. **DTW** 1986 Nov 21;93(10):467–9 (Eng. Abstr.) **(Ger)**
[Classifications of megakaryopoietic cells on plastic semithin sections: effects of pregnancy and estrogen administration on megakaryopoiesis] Matsumura G, et al. **Kaibogaku Zasshi** 1986 Oct;61(5):600–8 (Eng. Abstr.) **(Jpn)**
[Effects of acute hypoxemia on fetal movement in the fetal lamb] Taira S. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec;38(12):2259–66 (Eng. Abstr.) **(Jpn)**
[Comparative characteristics of microcirculation disorders in the serous membrane of the uterus in intact and pregnant rats treated with oxytocin] Ovsiannikov VG, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):476–8 (Eng. Abstr.) **(Rus)**
[Dynamics of oxygen in the pregnant uterus during hypo- and hyperoxia] Raguzin AV, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1542–4 **(Rus)**
[The maternal-fetal system as an object for the study of mechanisms of the physiologic effect of weightlessness] Serova LV. **Kosm Biol Aviakosm Med** 1987 May–Jun; 21(3):63–6 (Eng. Abstr.) **(Rus)**
[Changes in reproductive function during chronic isolation and increases in the population density of rats with different typologic behavioral characteristics] Zukhar' AV. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):272–9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of continuous low-level exposure to radiofrequency radiation on intrauterine development in rats. Tofani S, et al. **Health Phys** 1986 Oct;51(4):489–99

URINE

Urinary levels of estrone sulfate and 11-ketotetranor prostaglandin F metabolite in pregnant guinea pigs given Clophen A50 (polychlorinated biphenyls). Lundkvist U, et al. **Biol Reprod** 1987 Feb;36(1):109–16
Determination of ovulation and pregnancy in the marmoset (Callithrix jacchus) by monitoring of urinary hydroxypregnanolone excretion. Heger W, et al. **J Med Primatol** 1987;16(3):151–64
[Influences on the concentration of different substances in sow's urine] Ruhrmann A, et al. **DTW** 1987 Jun 9; 94(6):341–5 (Eng. Abstr.) **(Ger)**

PREGNANCY-ASSOCIATED ALPHA PLASMA PROTEIN see under **PREGNANCY PROTEINS**

PREGNANCY-ASSOCIATED BETA PLASMA PROTEIN see under **PREGNANCY PROTEINS**

PREGNANCY COMPLICATIONS

see related
PREGNANCY, PROLONGED

Clinical and immunological follow-up of pregnant women with Graves disease. Kálmán K, et al. **Acta Med Hung** 1986;43(1):3–11
Decreased incidence of intraventricular hemorrhage in infants of opiate dependent mothers. Cepeda EE, et al. **Acta Paediatr Scand** 1987 Jan;76(1):16–8
Acute renal failure in pregnancy. Grünfeld JP, et al. **Adv Exp Med Biol** 1987;212:245–50 (16 ref.)

Maternal dietary restriction during pregnancy and lactation: effect on digestive organ development in suckling rats. Young CM, et al. **Am J Clin Nutr** 1987 Jul;46(1):36–40

Postpartum renal failure in a patient with membranoproliferative glomerulonephritis type II. Leichter HE, et al. **Am J Nephrol** 1986;6(5):382–5

Transactions of the fifth annual meeting of the American and Gynecological and Obstetrical Society. **Am J Obstet Gynecol** 1987 Apr;156(4):769–884

Fetal growth retardation as a complication of pregnancy in patients with neurofibromatosis. Blickstein I, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):343

Psychosis and pregnancy: some new ethical and legal dilemmas for the physician. Dal Pozzo EE, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):425–7

Fetal monitoring during emergency obstetric transport. Elliott JP, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):245–7

Paraplegia and quadriplegia: special considerations during pregnancy and labor and delivery. Greenspoon JS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):738–41

Upper airway obstruction as a cause of pulmonary edema during late pregnancy. Lagler U, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):643–4

Congenital heart block and cardiac anomalies in the absence of maternal connective tissue disease. Shenker L, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):248–53

Pregnancy–associated ectopic decidua. Zaytsev P, et al. **Am J Surg Pathol** 1987 Jul;11(7):526–30

Unstable cervical fracture. Anaesthetic management for an urgent caesarean section. Eason JR, et al. **Anaesthesia** 1987 Jul;42(7):745–9

Nitrous oxide and pregnancy [letter] Nunn JF. **Anaesthesia** 1987 Apr;42(4):427–8

Epidermolysis bullosa: anesthetic management for cesarean section. Broster T, et al. **Anesth Analg** 1987 Apr;66(4):341–3

Intrathecal morphine in a parturient with cystic fibrosis. Hyde NH, et al. **Anesth Analg** 1986 Dec;65(12):1357–8

Anesthetic management for cesarean section of a patient with Charcot–Marie–Tooth disease. Brian JE Jr, et al. **Anesthesiology** 1987 Mar;66(3):410–2

Prenatal stress disrupts reproductive behavior and physiology in offspring. Herrenkohl LR. **Ann NY Acad Sci** 1986; 474:120–8 (42 ref.)

Is pregnancy a risk factor in the causation of rheumatoid arthritis? Silman AJ. **Ann Rheum Dis** 1986 Dec; 45(12):1031–4

Hyaline–vascular giant lymph node hyperplasia obstructing vaginal delivery. Goh TH, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):327–9

Systemic lupus erythematosus in pregnancy in Hong Kong Chinese. Yu A, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):321–6

Congenital limb deficiency: maternal factors in pregnancy. Kricker A, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov; 26(4):272–5

The significance of cardiotocographic monitoring in pregnancy complicated by intrauterine growth retardation and prematurity. Sfameni SF, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):185–92

Prenatal stress and prepuberal social rearing conditions interact to determine sexual behavior in male rats. Ward IL, et al. **Behav Neurosci** 1985 Apr;99(2):301–9

Idiopathic acute fatty liver of pregnancy associated with transient diabetes insipidus. Case report. Cammu H, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):173–8

Abdominal pregnancy complicated by appendicitis. Case report. Partington CK, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1011–2

The course and outcome of pregnancy associated with bronchiectasis. Case report. Thaler I, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1006–8

Early onset pre–eclampsia: recognition of underlying renal disease [letter] Lindheimer MD, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1547–8

Thyroid disease in pregnancy [letter] Park RH, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):647–8

Intrahepatic cholestasis of pregnancy and its complications. Analysis of 100 cases in Chongqing area. Jiang ZH, et al. **Chin Med J [Engl]** 1986 Dec;99(12):957–60

Spontaneous expulsion of decidualized pseudopolyps in pregnant women with uterine malformation. Gangemi O, et al. **Clin Exp Obstet Gynecol** 1987;14(2):113–5

Association of autoimmune conditions with recurrent intrauterine death. del Junco DJ. **Clin Obstet Gynecol** 1986 Dec;29(4):959–75 (108 ref.)

Hormonal causes of recurrent abortion. Maxson WS. **Clin Obstet Gynecol** 1986 Dec;29(4):941–52 (48 ref.)

Role of uterine adhesions in the cause of multiple pregnancy losses. Shaffer W. **Clin Obstet Gynecol** 1986 Dec; 29(4):912–24 (30 ref.)

Critical care in obstetrics. **Clin Perinatol** 1986 Dec; 13(4):695–868

Maternal disease as a consideration in lactation management. Asselin BL, et al. **Clin Perinatol** 1987 Mar;14(1):71–87

Management of neurosurgical problems in pregnancy. Bray RS, et al. **Clin Perinatol** 1987 Mar;14(1):243–57

Amniotic fluid embolism. Clark SL. **Clin Perinatol** 1986 Dec; 13(4):801–11 (53 ref.)

Etiology and management of acute fatty liver of pregnancy. Snyder RR, et al. **Clin Perinatol** 1986 Dec;13(4):813–25 (45 ref.)

Ethical conflicts between mother and fetus in obstetrics. Strong C. **Clin Perinatol** 1987 Jun;14(2):313–28

Acute fatty liver of pregnancy. Tummillo M, et al. **Conn Med** 1987 Mar;51(3):142–4

Prurigo gravidarum. Noguera X, et al. **Cutis** 1987 May; 39(5):437–40

The effects of hyperthermia on the fetus. Smith MS, et al. **Dev Med Child Neurol** 1986 Dec;28(6):806–9

Endpoints of reproductive dysfunction in an experimental epidemiological model: self–poisoned pregnant women. Czeizel A. **Dev Toxicol Environ Sci** 1986;12:49–61

Retinal haemorrhages and papilloedema due to benign intracranial hypertension in a pregnant diabetic. Wheatley T, et al. **Diabetic Med** 1986 Sep–Oct;3(5):482–4

Effect of parental malnutrition on enzyme content of rat pancreas. Sarles H, et al. **Dig Dis Sci** 1987 May;32(5):520–8

Abnormal fetal behavioural state regulation in a case of high maternal alcohol intake during pregnancy. Mulder EJ, et al. **Early Hum Dev** 1986 Dec;14(3–4):321–6

Outcome of pregnancy in Nigerian women with renal insufficiency. Ojogwu LI, et al. **East Afr Med J** 1986 Aug; 63(8):531–8

alpha–Fetoprotein and transcortin behave as acute phase reactants in the maternal and fetal compartments of the inflammatory pregnant mouse. Vranckx R, et al. **Endocrinology** 1987 May;120(5):1782–9

Abnormally adherent placentation: a life–threatening complication. Cammu H, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec;23(5–6):359–67

Aneurysmal bone cyst of the ilium associated with pregnancy. Issa AA, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):243–8

Fetal response to periodic sleep apnea: a new syndrome in obstetrics. Joel–Cohen SJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):77–81

Confusing presentation in a retroflexed septate uterus at term. Vleugels MP, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar;24(3):237–41

Obstetrical and neonatal risk factors in very low birth weight infants related to their neurological development. Haas G, et al. **Eur J Pediatr** 1986 Oct;145(5):341–6

Osteomalacia of the mother—rickets of the newborn. Park W, et al. **Eur J Pediatr** 1987 May;146(3):292–3

Maternal phenylketonuria: comparison of two treated full term pregnancies. Soeters RP, et al. **Eur J Pediatr** 1986 Aug;145(3):221–3

European survey of fertility [letter] Purrmann J, et al. **Gut** 1986 Dec;27(12):1517–8

Liver disease in pregnancy [letter] Haboubi NY. **Histopathology** 1987 Apr;11(4):442

The effects of mild maternal stress during pregnancy on the behavior of rat pups. Grimm VE, et al. **Int J Neurosci** 1987 Jul;35(1–2):65–72

Outcome of pregnancy in patients managed conservatively for hyperprolactinaemia. Barton D, et al. **Ir Med J** 1987 May;80(5):147–51

Antenatal assessment of utero–feto–placental blood velocity waveforms in a pregnant patient with severe systemic lupus erythematosus. Meizner I, et al. **Isr J Med Sci** 1987 Apr; 23(4):290–1

Pre–, peri–, and postnatal factors in 181 autistic patients from single and multiple incidence families. Mason–Brothers A, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan; 26(1):39–42

Facial involvement in pruritic urticarial papules and plaques of pregnancy [letter] Carruthers A. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):302

Minor physical anomalies in childhood autism. Part I. Their relationship to pre– and perinatal complications. Links PS, et al. **J Autism Dev Disord** 1980 Sep;10(3):273–85

Anorexia in appendicitis [letter] Dolan WV. **J Fam Pract** 1987 Mar;24(3):240

Maternal death associated with intravenous methylphenidate (Ritalin) and pentazocine (Talwin) abuse. Lundquest DE, et al. **J Forensic Sci** 1987 May;32(3):798–801

Torsion of a gravid horn of a bicornuate uterus. Jain U, et al. **J Indian Med Assoc** 1986 Jul;84(7):222, 224

Pregnancy in a case of cirrhosis of liver. Pal PK, et al. **J Indian Med Assoc** 1987 Jan;85(1):22–3

Outcome of pregnancy in the rat with mild hyperphenylalaninaemia and hypertyrosinaemia: implications for the management of "human maternal PKU". Lewis SA, et al. **J Inherited Metab Dis** 1985;8(3):113–7

Anesthetic management of a parturient with myasthenia gravis. Luz–Tobias AU, et al. **J Ky Med Assoc** 1987 Feb; 85(2):78–80

Clinical studies in the infant born to a mother with insulin–dependent diabetes mellitus. Yokota A, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:99–103

Three–dimensional reconstruction of tissue using computer–generated images. Upfold JB, et al. **J Neurosci Methods** 1987 Jun;20(2):131–8

Adverse childbirth outcomes. A midwifery dilemma [editorial] Burgin K. **J Nurse Midwifery** 1986 Nov–Dec; 31(6):253–4

Effects of maternal dietary restriction in vitamin B–6 on neocortex development in rats: B–6 vitamer concentrations, volume and cell estimates. Groziak SM, et al. **J Nutr** 1987 Jun;117(6):1045–52

Enzyme markers of maternal malnutrition in fetal rat brain. Shambaugh GE 3d, et al. **J Nutr** 1987 Jan;117(1):144–52

Vitamin A status needed to maintain vitamin A concentrations in nonhepatic tissues of the pregnant rat. Wallingford JC, et al. **J Nutr** 1987 Aug;117(8):1410–5

Reversible splenic enlargement associated with pregnancy in a patient with Gaucher's disease. Young KR, et al. **J R Army Med Corps** 1986 Oct;132(3):157–8

Primary small bowel ganglioneuroblastoma and Friedreich's ataxia. Barr H, et al. **J R Soc Med** 1986 Oct;79(10):612–3

The relationship between juvenile laryngeal papillomatosis and maternal condylomata acuminata. Hallden C, et al. **J Reprod Med** 1986 Sep;31(9):804–7

Abnormal fetal heart rate pattern associated with severe intrapartum maternal ethanol intoxication. A case report. Silva PD, et al. **J Reprod Med** 1987 Feb;32(2):144–6

Behçet's syndrome in pregnancy and after the delivery [letter] Larsson LG, et al. **J Rheumatol** 1987 Feb;14(1):183

Intussusception in pregnancy. A case report. Holbert TR. **J Tenn Med Assoc** 1987 Jul;80(7):409–10

Maternal nutrition and fetal growth [editorial] Ebrahim GJ. **J Trop Pediatr** 1987 Jun;33(3):114–5

Successful pregnancy in primary glomerular disease. Barceló P, et al. **Kidney Int** 1986 Dec;30(6):914–9

Paroxysmal nocturnal haemoglobinuria and pregnancy [letter] Jacobs P, et al. **Lancet** 1986 Nov 8;2(8515):1099

Will all addicted pregnant women have their babies taken into care? Levin J. **Lancet** 1987 Jan 24;1(8526):230

Genetic influence on increased seizure susceptibility in pregnancy. Smolen A, et al. **Life Sci** 1986 Oct 27; 39(17):1525–30

Synchronous ectopic pregnancy and appendicitis. Magill WS, et al. **Milit Med** 1986 Sep;151(9):493–4

Prenatal stress feminizes adult male saccharin preference and maze learning: antagonism by propranolol. McGivern RF, et al. **Monogr Neural Sci** 1986;12:172–8

Glucose tolerance and complications of pregnancy in nondiabetic women [letter] **N Engl J Med** 1987 May 21; 316(21):1343–6

Term stillbirth: causes and potential for prevention in Virginia. Cruikshank DP, et al. **Obstet Gynecol** 1987 Jun; 69(6):841–4

Acute fatty liver of pregnancy: etiology of fetal distress and fetal wastage. Moise KJ Jr, et al. **Obstet Gynecol** 1987 Mar; 69(3 Pt 2):482–5

Lymphoid hypophysitis associated with sudden maternal death: report of a case review of the literature. Gal R, et al. **Obstet Gynecol Surv** 1986 Oct;41(10):619–21

Spinal cord injured women, pregnancy and delivery. Verduyn WH. **Paraplegia** 1986 Aug;24(4):231–40

Protein turnover in tissues of the rat fetus following maternal starvation. Johnson JD, et al. **Pediatr Res** 1986 Dec; 20(12):1252–7

Maternal social stress disrupts reproduction of hamsters drinking high–calorie fluids. Wise DA, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):449–56

Severe early malnutrition and DRL performance in the rat. Finger S, et al. **Physiol Behav** 1986;38(5):731–4

Prenatal stress eliminates differential maternal attention to male offspring in Norway rats. Power KL, et al. **Physiol Behav** 1986;38(5):667–71

Teratogenic inborn errors of metabolism. Leonard JV. **Postgrad Med J** 1986 Feb;62(724):125–9 (40 ref.)

Autometallographic demonstration of gold in human fetal liver and placenta. Møller–Madsen B, et al. **Rheumatol Int** 1987;7(1):47–8

Disseminated intravascular coagulation following first trimester abortion in polycythemia vera. Increased platelet count apparently contributed to fatal outcome. Crowley JP, et al. **RI Med J** 1987 Mar;70(3):109–12

Ruptured tubo–ovarian abscess late in pregnancy. A case report. Davey MM, et al. **S Afr Med J** 1987 Jan 24; 71(2):120–1

Hyperparathyroidism in twin pregnancy. A case report. Subrayen KT, et al. **S Afr Med J** 1987 Aug 15;72(4):287–8

The utilization of antenatal care in the prevention and intervention of the consequences of parental alcohol use. Huntimer CM. **SD J Med** 1987 Jul;40(7):25–30

The influence of khat–chewing on birth–weight in full–term infants. Abdul Ghani N, et al. **Soc Sci Med** 1987;24(7):625–7

Transient diabetes insipidus and preeclampsia. Katz VL, et al. **South Med J** 1987 Apr;80(4):524–5

Pregnancy outcome in mothers with cystic fibrosis: normal neonatal immune responses. Pittard WB 3d, et al. **South Med J** 1987 Mar;80(3):344–6

Maternal obesity and pregnancy. Johnson SR, et al. **Surg Gynecol Obstet** 1987 May;164(5):431–7

Investigation of the teratogenic effects of exercise on pregnancy outcome in mice. Boehnke WH, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):391–7

Effects of protein deficiency on the teratogenicity of cytochalasins in mice. Singh J, et al. **Terstology** 1987 Feb; 35(1):87–93

Biliary peritonitis due to choledochal cyst presenting in late pregnancy. Diamond T, et al. **Ulster Med J** 1986 Oct; 55(2):190–2

Malignant melanoma in pregnancy. Fogarty PP. **Ulster Med J** 1987 Apr;56(1):72–3

Concurrent appendicitis and pregnancy at term. Ammerman KS, et al. **W Va Med J** 1987 Feb;83(2):63–8

[Medical and obstetric complications of pregnancy and the incidence of intrauterine fetal growth retardation (etiologic factors of retardation)] Iarukov A. **Akush Ginekol (Sofiia)** 1986;25(5):15–8 (Eng. Abstr.)

(Bul)

[Cleft lip and palate: relation to cytomegalovirus infection] Černý M, et al. **Cas Lek Cesk** 1987 Apr 10;126(15):469–73 (Eng. Abstr.) (Cze)

[Selection of reports of presented at a nation-wide scientific conference of the Czech Society of Gynecology and Obstetrics. Plzeň, 22–23 November 1984] **Cesk Gynekol** 1986 Dec;51(10):795–836 (Cze)

[The offspring of women with bronchial asthma] Kučera J. **Cesk Pediatr** 1986 Dec;41(12):723–7 (Eng. Abstr.) (Cze)

[Intra- and extrauterine pregnancy: a rare diagnosis] Crooij MJ, et al. **Ned Tijdschr Geneeskd** 1986 Aug 23; 130(34):1525–6 (Eng. Abstr.) (Dut)

[Alcohol and the fetus] Huisjes HJ, et al. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1296–8 (Dut)

[Polymyositis, dermatomyositis and pregnancy (letter)] Emy P, et al. **Ann Med Interne (Paris)** 1986;137(4):354–5 (Fre)

[Transient neonatal hypothyroidism in a neonate born of a mother with Hashimoto's thyroiditis] Teyssier G, et al. **Arch Fr Pediatr** 1986 Oct;43(8):629–31 (Eng. Abstr.) (Fre)

[31st meeting of French language gynecologists and obstetricians. Tours, 17–20 September 1986. Proceedings and abstracts] **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15 Suppl:1–131 (Fre)

[Sheehan's syndrome followed by spontaneous pregnancy. Apropos of 2 cases] Chaïeb L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):765–8 (Eng. Abstr.) (Fre)

[Polymyositis, dermatomyositis and pregnancy: high-risk pregnancy. A further case report and review of the literature] Emy P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):785–90 (Eng. Abstr.) (Fre)

[Intrauterine death of one of the fetuses in a twin pregnancy] Mazor M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(8):1071–4 (Eng. Abstr.) (Fre)

[Lupus erythematosus, circulating anticoagulant and obstetric complications. Apropos of 2 cases] Reymond O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):207–11 (Eng. Abstr.) (Fre)

[Hyperparathyroidism and pregnancy. Review of the literature] Magnien J. **Rev Fr Gynecol Obstet** 1986 Nov; 81(11):629–37 (31 ref.) (Eng. Abstr.) (Fre)

[The cicatricial uterus and uterine dehiscence. Apropos of 20 cases] Mintz P, et al. **Rev Fr Gynecol Obstet** 1987 Feb; 82(2):97–105 (Eng. Abstr.) (Fre)

[Asthma during pregnancy] Guérin JM, et al. **Rev Pneumol Clin** 1987;43(3):156–9 (Eng. Abstr.) (Fre)

[Retinal detachment and pregnancy: apropos of 3 cases] Rezgui M, et al. **Tunis Med** 1987 Jan;65(1):35–9 (Eng. Abstr.) (Fre)

[Proceedings of the Swiss Society for Gynecology. Annual meeting, Münsterlingen-Wolsberg, 19–21 June 1986] **Arch Gynecol** 1986;239(3–4):128–296 (Ger)

[Annual meeting of the Austrian Society for Gynecology and Obstetrics. May 1986, Eisenstadt. Abstracts] **Gynakol Rundsch** 1986;26 Suppl 2:1–327 (Ger)

[Healthy living during pregnancy. I] **Gynakologe** 1987 Jun; 20(2):77–136 (Ger)

[Inappropriate antidiuretic hormone secretion as a complication of preparation for pelvic ultrasonography] Glassner M, et al. **Harefuah** 1987 Mar 15;112(6):274–5 (Eng. Abstr.) (Heb)

[Autoimmune diseases in pregnancy] Piura B, et al. **Harefuah** 1986 Aug;111(3–4):85–91 (63 ref.) (Heb)

[Systemic lupus erythematosus in pregnancy] Piura B, et al. **Harefuah** 1986 Dec 15;111(12):430–4 (40 ref.) (Heb)

[Congenital complete heart block and connective tissue disease in the mother (editorial)] Shem-Tov A. **Harefuah** 1985 Mar 15;108(6):310–1 (Heb)

[Trauma in pregnancy] Sherman D, et al. **Harefuah** 1985 Mar 15;108(6):300–4 (41 ref.) (Heb)

[Intrauterine death of the fetus: causes and obstetric approach (case record at the L. Mangiagalli Obstetric and Gynecologic Clinic 1983–1986] Zuliani G, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr; 108(2):94–101 (Eng. Abstr.) (Ita)

[Ulcerative rectocolitis and pregnancy] Zaccheo F, et al. **Minerva Ginecol** 1987 Apr;39(4):213–6 (Eng. Abstr.) (Ita)

[Newborn infants of drug-dependent mothers. Relationship between neonatal pathology and degree of drug behavior during pregnancy (heroin)] Centa A, et al. **Pathologica** 1985 Nov–Dec;77(1052):667–73 (Eng. Abstr.) (Ita)

[A case of fetal 46,XX in a woman with trisomy 21] Vanni R, et al. **Pathologica** 1985 Nov–Dec;77(1052):757–9 (Eng. Abstr.) (Ita)

[39th symposium of the Japan Society of Obstetrics and Gynecology. Tokyo, Japan, April 1–3, 1987. Abstracts] **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39 Suppl:S2–396 (Jpn)

[Successful pregnancy in a patient treated by long-term hemodialysis] Masuda R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2305–8 (Jpn)

[A surviving case of acute fatty liver in pregnancy with hyperthyroidism] Komatsu M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2621–5 (Jpn)

[A report on a patient with acute fatty liver of pregnancy who survived together with her child] Seki S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2072–5 (Jpn)

[Marfan syndrome and pregnancy. A life-threatening combination?] Brabrand K, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):939–40 (Eng. Abstr.) (Nor)

[Smoking and pregnancy] Rivrud GN. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):662–4 (Eng. Abstr.) (Nor)

[Papers presented at the anniversary meeting of the Polish Gynecologic Society. Krakow, 8–10 September 1985] **Ginekol Pol** 1986 Sep;57(9):566–630 (Pol)

[Pregnancy in women with hypothalamic failure and polycystic ovary syndrome] Warenik-Szymankiewicz A, et al. **Ginekol Pol** 1987 Jan;58(1):6–10 (Pol)

[The course of pregnancy and labor in women with a double uterus] Gwóźdź AZ. **Wiad Lek** 1986 Oct 1;39(19):1322–9 (Eng. Abstr.) (Pol)

[Effect of pregnancy and labor pathology on the status of the surfactant system of the fetal and newborn infant lung] Iaroslavskii VK. **Akush Ginekol (Mosk)** 1987 Jan;(1):62–3 (Rus)

[Experimental renal failure and utero-placental circulatory insufficiency] Klimenko PA, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):39–41 (Eng. Abstr.) (Rus)

[Effect of pregnancy and labor complications on the fetus and newborn infant] Kulakov VI. **Vestn Akad Med Nauk SSSR** 1987;(4):23–8 (Eng. Abstr.) (Rus)

[Scoring of risk factors in pregnancy, labor and in the early neonatal period] Mikulandra F, et al. **Jugosl Ginekol Perinatol** 1986 Jan–Apr;26(1–2):15–21 (Eng. Abstr.) (Ser)

[Pregnancy in patients with lupus erythematosus] Lányi E, et al. **Cesk Gynekol** 1986 Dec;51(10):781–3 (Slo)

[Perinatal aspects of the children of heroin addicts] Navarro C, et al. **An Esp Pediatr** 1987 Apr;26(4):251–4 (Eng. Abstr.) (Spa)

[Thrombocytopenia, pregnancy and systemic lupus erythematosus (letter)] Gil A, et al. **Med Clin (Barc)** 1987 Jul 4;89(6):259–60 (Spa)

BLOOD

Pregnancy, delivery and lactation in hyperprolactinaemic women. Sas M, et al. **Acta Med Hung** 1986;43(1):13–22

Non-steroid hormones and tissue polypeptide antigen (TPA) in emetic and non-emetic pregnancy. Järnfelt-Samsioe A, et al. **Acta Obstet Gynecol Scand** 1986;65(7):745–51

A link between relative hypoglycemia-hypoinsulinemia during oral glucose tolerance tests and intrauterine growth retardation. Langer O, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):711–6

Low maternal serum alpha-fetoprotein and perinatal outcome. Simpson JL, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):852–62

gamma-Glutamyl transferase and mean cell volume reveal maternal alcohol abuse and fetal alcohol effects. Ylikorkala O, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):344–8

Low serum selenium concentration and glutathione peroxidase activity in intrahepatic cholestasis of pregnancy. Kauppila A, et al. **Br Med J [Clin Res]** 1987 Jan 17; 294(6565):150–2

Collagen metabolism in normal and complicated pregnancy: changes in the aminoterminal propeptide of type III procollagen in serum. Risteli L, et al. **Eur J Clin Invest** 1987 Feb;17(1):81–6

Longitudinal effects of pregnancy on the pharmacokinetics of theophylline. Gardner MJ, et al. **Eur J Clin Pharmacol** 1987;32(3):289–95

Reduced estriol and dehydroepiandrosterone sulphate plasma levels in methadone-addicted pregnant women. Facchinetti F, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1–2):67–73

Vitamin D and mineral metabolism in intrahepatic cholestasis of pregnancy. Kuoppala T, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):45–51

Amino acid composition of amniotic fluid, maternal and umbilical vein serum in intrahepatic cholestasis of pregnancy, pre-eclampsia and rhesus incompatibility. Kuutti-Savolainen ER, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):223–9

Changes in blood urea nitrogen (BUN) concentration during pregnancy in the rat with or without obstructive uremia. Matsuo M, et al. **Exp Pathol** 1986;30(4):203–8

Human placental lactogen in pathological pregnancies. Sivaprasad N, et al. **Indian J Med Res** 1986 Dec;84:594–7

Female pseudohermaphroditism in a neonate born to a mother with polycystic ovarian disease. Bilowus M, et al. **J Urol** 1986 Nov;136(5):1098–100

Relation of glucose tolerance to complications of pregnancy in nondiabetic women. Tallarigo L, et al. **N Engl J Med** 1986 Oct 16;315(16):989–92

HELLP syndrome without hypertension [letter] Blereau RP. **South Med J** 1987 Aug;80(8):1068–9

[Clinical observation on human chorionic gonadotrophin in maternal serum and amniotic fluid using monoclonal antibody immunoenzyme assay] Liu Y. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):257–60, 317 (Eng. Abstr.) (Chi)

[Functional properties of thrombocytes in obese pregnant women] Chernukha GE. **Akush Ginekol (Mosk)** 1987 Feb; (2):50–4 (Eng. Abstr.) (Rus)

[The blood coagulation system in gestational pyelonephritis] Spektor GI, et al. **Klin Med (Mosk)** 1987 Apr;65(4):68–71 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Caffeine and the benign encephalopathy of pregnancy [letter] Purvin VA, et al. **Acta Neurol Scand** 1987 Jan;75(1):76–7

Cocaine use during pregnancy: adverse perinatal outcome. MacGregor SN, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):686–90

Publication trends for alcohol, tobacco, and narcotics in MEDLARS. Abel E. **Ann NY Acad Sci** 1986;477:103–4

Life-threatening complications of betamimetic therapy for preterm labor inhibition. Benedetti TJ. **Clin Perinatol** 1986 Dec;13(4):843–52 (34 ref.)

Epidemiological and experimental studies on the effects of methyl isocyanate on the course of pregnancy. Varma DR. **Environ Health Perspect** 1987 Jun;72:153–7

Lead toxicity and reproduction. **J Occup Med** 1987 May; 29(5):397–9

Nutmeg intoxication in pregnancy. A case report. Lavy G. **J Reprod Med** 1987 Jan;32(1):63–4

[Acute poisoning and pregnancy] Khubenova A, et al. **Akush Ginekol (Sofiia)** 1986;25(5):8–15 (Eng. Abstr.) (Bul)

[Bromine, bromides, pregnancy and lactation. Apropos of 2 case reports] Jean P, et al. **J Toxicol Clin Exp** 1985 Jan–Feb;5(1):25–33 (Eng. Abstr.) (Fre)

[Pregnancy following cytostatic treatment of trophoblast tumor] Tscherne G. **Geburtshilfe Frauenheilkd** 1987 Apr; 47(4):267–9 (Eng. Abstr.) (Ger)

[Caffeine and pregnancy] Schneider KT. **Gynakologe** 1987 Jun;20(2):123–8 (Ger)

[Course of pregnancy and labor following cytostatic treatment of trophoblastic tumors] Richter P, et al. **Zentralbl Gynakol** 1987;109(9):586–9 (Eng. Abstr.) (Ger)

[Therapeutic effect of vitamin E on pregnant white rats and their progeny in chronic hexachloran poisoning] Khamidov MKh, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):69–70 (Rus)

[Zinc deficiency in the mother, fetus and progeny in alcohol abuse] Skal'nyi AV, et al. **Akush Ginekol (Mosk)** 1987 Apr; (4):6–8 (47 ref.) (Rus)

CLASSIFICATION

The eruptions of pregnancy: review and new classification. Brenman S. **J Am Osteopath Assoc** 1986 Dec;86(12):793–7

DIAGNOSIS

Pathologic torsion of the pregnant uterus. Bakos O, et al. **Acta Obstet Gynecol Scand** 1987;66(1):85–6

Pregnancy complicated by concurrent hyperparathyroidism and pancreatitis. Fabrin B, et al. **Acta Obstet Gynecol Scand** 1986;65(6):651–2

Obstetric complications as the first sign of myotonic dystrophy. Fossen D, et al. **Acta Obstet Gynecol Scand** 1986;65(6):667–8

Evaluation of new serum and urine tests in cases of suspected pathologic early pregnancy. Steier JA, et al. **Acta Obstet Gynecol Scand** 1986;65(5):463–5

Uterine duplication, unilateral imperforate vagina, and normal kidneys. Johnson J, et al. **AJR** 1986 Dec; 147(6):1197–8

The initial presentation of fatty liver of pregnancy mimicking acute viral hepatitis. Brown MS, et al. **Am J Gastroenterol** 1987 Jun;82(6):554–7

Pregnancy in lupus nephritis and related disorders. Bobrie G, et al. **Am J Kidney Dis** 1987 Apr;9(4):339–43 (18 ref.)

Pregnancy in women requiring dialysis for renal failure. Hou S. **Am J Kidney Dis** 1987 Apr;9(4):368–73 (24 ref.)

Pregnancy in IgA nephropathy, reflux nephropathy, and focal glomerular sclerosis. Jungers P, et al. **Am J Kidney Dis** 1987 Apr;9(4):334–8 (20 ref.)

Renal disease in pregnancy. Three controversial areas: mesangial IgA nephropathy, focal glomerular sclerosis (focal and segmental hyalinosis and sclerosis), and reflux nephropathy. Kincaid-Smith P, et al. **Am J Kidney Dis** 1987 Apr;9(4):328–33

The significance of absent end-diastolic velocity in umbilical artery velocity waveforms. Rochelson B, et al. **Am J Obstet Gynecol** 1987 May;156(5):1213–8

Ultrasound in obstetric decision making. How accurate are late ultrasound scans in gestational age and fetal weight assessment? Catanzarite VA, et al. **Am J Perinatol** 1987 Apr;4(2):147–51

Pregnancy-related affective episodes among women with recurrent depression. Frank E, et al. **Am J Psychiatry** 1987 Mar;144(3):288–93

The incarcerated gravid uterus. Edminster SC, et al. **Ann Emerg Med** 1987 Aug;16(8):910–2

Chronic inflammatory demyelinating polyradiculoneuropathy associated with pregnancy. McCombe PA, et al. **Ann Neurol** 1987 Jan;21(1):102–4

Secondary arterial haemorrhage following circumcision; an unusual cause of antepartum haemorrhage. Watts RW, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):312–3

Transient hyperthyroidism in pregnancy. Case report. Chin RK, et al. **Br J Obstet Gynaecol** 1987 May;94(5):483–4

A syndrome of liver damage and intravascular coagulation in the last trimester of normotensive pregnancy. A clinical

and histopathological study [letter] Hague WM, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1113–5

Ultrasound used to detect a stone in the vesico–ureteric junction during pregnancy. Rubin G, et al. **Br J Radiol** 1986 Oct;59(706):1044–5

Unilateral breast hyperplasia in pregnancy simulating neoplasm. Skaane P, et al. **Br J Radiol** 1987 Apr; 60(712):407–9

Diaphragmatic hernia in pregnancy. Reed MW, et al. **Br J Surg** 1987 May;74(5):435

Early onset pre–eclampsia: recognition of underlying renal disease. Ihle BU, et al. **Br Med J [Clin Res]** 1987 Jan 10; 294(6564):79–81

Erythrocyte zinc in differential diagnosis of hyperthyroidism in pregnancy: a preliminary report. Lao TT, et al. **Br Med J [Clin Res]** 1987 Apr 25;294(6579):1064–5

Focal migraine and pregnancy. Wright GD, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1557–8

Massive ovarian edema in a twin pregnancy. Lambert B, et al. **Can J Surg** 1987 Jan;30(1):40–1

Prolonged pathologic pregnant uterus torsion. Report of a case. Jiang ZB. **Chin Med J [Engl]** 1986 Oct;99(10):850–2

Simple asymptomatic orthotopic ureterocele in pregnancy: analysis of a clinical case. Valente S, et al. **Clin Exp Obstet Gynecol** 1987;14(2):105–9

Biochemical assessment of placental function: early pregnancy. Grudzinskas JG, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):553–69 (63 ref.)

Biochemical assessment of placental function—late pregnancy. Westergaard JG, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):571–91 (50 ref.)

Neonatal lupus erythematosus with congenital heart block associated with maternal systemic lupus erythematosus. Houssiau FA, et al. **Clin Rheumatol** 1986 Dec;5(4):505–8

Skin lesion resembling malignant atrophic papulosis in lupus erythematosus. Doutre MS, et al. **Dermatologica** 1987; 175(1):45–6

Intestinal obstruction in pregnancy. Ezem BU. **East Afr Med J** 1986 Jul;63(7):483–4

Spontaneous rupture of the spleen in third trimester of pregnancy. Report of a case and review of the literature. de Graaff J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):243–7

Erythema nodosum associated with pregnancy. Case reports. Langer R, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec;9(6):399–401

Acute fatty liver of pregnancy with survival of mother and child: a case report. Ylöstalo P, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(6):351–6

Cutaneous changes during pregnancy. Powell F, et al. **Ir Med J** 1987 Feb;80(2):50–5

Postpartum hemolytic uremic syndrome: correlation between clinical course and serial renal sonograms. Safra T, et al. **Isr J Med Sci** 1986 Dec;22(12):912–4

Facial involvement in pruritic urticarial papules and plaques of pregnancy [letter] Alcalay J, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1048

Sneddon's syndrome. Case report and literature review. Bruyn RP, et al. **J Neurol Sci** 1987 Jul;79(3):243–53

Megacolon complicating pregnancy. A case report. Sheld HH. **J Reprod Med** 1987 Mar;32(3):239–42

Hazards of lupus pregnancy. Lockshin MD, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:214–7

Cholecystosonography in pregnancy [letter] Christenson R, et al. **J Ultrasound Med** 1986 Oct;5(10):592

Sonographic features of rupture of the pregnant uterus. Gale JT, et al. **J Ultrasound Med** 1986 Dec;5(12):713–4

Distinguishing normal from abnormal gestational sac growth in early pregnancy. Nyberg DA, et al. **J Ultrasound Med** 1987 Jan;6(1):23–7

Cysts in pregnancy discovered by sonography. Nelson MJ, et al. **JCU** 1986 Sep;14(7):509–12

Is there a place for hysteroscopy in prenatal and intrapartum diagnosis? [editorial] **Lancet** 1987 Apr 25;1(8539):960–1

Ultrasound scans in early pregnancy [letter] **Med J Aust** 1987 Feb 2;146(3):168–70

The management of nausea and vomiting during pregnancy. Walters WA. **Med J Aust** 1987 Sep 21;147(6):290–1

Urinary tract calculi in pregnancy. Paulman PM. **Nebr Med J** 1987 Feb;72(2):40–1

Dystonia musculorum deformans in pregnancy. Hong PL, et al. **NY State J Med** 1986 Dec;86(12):649–51

Routine or selective ultrasound examinations in early pregnancy. Belfrage P, et al. **Obstet Gynecol** 1987 May; 69(5):747–50

Hyperparathyroidism in pregnancy. Patterson R. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):457–60

Ovarian cysts in pregnancy: does ultrasound make traditional management inappropriate? Thornton JG, et al. **Obstet Gynecol** 1987 May;69(5):717–21

Myasthenia gravis and pregnancy. Fennell DF, et al. **Obstet Gynecol Surv** 1987 Jul;42(7):414–21

Clinical ultrasonographic correlations in metrorrhagias of the first trimester of pregnancy. Dolfin G, et al. **Panminerva Med** 1987 Apr–Jun;29(2):123–9

Thyroid disease and pregnancy. Fung H, et al. **Practitioner** 1986 Sep;230(1419):803–4, 806–7

Pregnancy complicated by hydrops fetalis. Robertson–Dunn DR. **Radiography** 1986 Jul–Aug;52(604):197–8

Extraadrenal pheochromocytoma: detection during pregnancy using MR imaging. Greenberg M, et al. **Radiology** 1986 Nov;161(2):475–6

Complicated first–trimester pregnancies: evaluation with endovaginal US versus transabdominal technique. Pennell RG, et al. **Radiology** 1987 Oct;165(1):79–83

Recurrent intrahepatic cholestasis of pregnancy. Holland RL. **SD J Med** 1987 Apr;40(4):9–12

Endocrinologic disorders in pregnant adolescents. Howard CP, et al. **Semin Adolesc Med** 1986 Sep;2(3):207–14

The pregnant adolescent and drugs. Schneider LE. **Semin Adolesc Med** 1986 Sep;2(3):231–4

Acute fatty liver of pregnancy. Riely CA. **Semin Liver Dis** 1987 Feb;7(1):47–54 (80 ref.)

Pruritus in pregnancy. Dacus JV, et al. **South Med J** 1987 May;80(5):614–7 (21 ref.)

Sonographic evaluation of the adnexa during early pregnancy. Lavery JP, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):319–23

Ultrasound surveillance of pregnancies after metroplasty for septate uterus. Papp Z, et al. **Zentralbl Gynakol** 1986; 108(21):1307–11

[Cases with difficulties in the diagnosis of acute abdomen in obstetrics] Khadzhiev A, et al. **Akush Ginekol (Sofiia)** 1986;25(4):59–62 (Eng. Abstr.) **(Bul)**

[Depressive states in pregnant women and parturients] Stambolov B, et al. **Akush Ginekol (Sofiia)** 1987;26(3):31–4 (Eng. Abstr.) **(Bul)**

[Blood proteins and risk pregnancy] Fuchs V, et al. **Cesk Gynekol** 1987 May;52(4):315–23 (156 ref.) **(Cze)**

[Pregnancy and delivery in a patient with Ehlers–Danlos syndrome, type III] Skovgaard N, et al. **Ugeskr Laeger** 1986 Aug 25;148(35):2230 (Eng. Abstr.) **(Dan)**

[Ileus and pregnancy] Wilken–Jensen C. **Ugeskr Laeger** 1987 Apr 6;149(15):986 (Eng. Abstr.) **(Dan)**

[Acute fatty liver of pregnancy] Castiel J, et al. **Ann Fr Anesth Reanim** 1986;5(5):524–6 (Eng. Abstr.) **(Fre)**

[Bilateral exudative retinal detachment in a 10–week pregnant woman: diagnosis and management] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1149–56 **(Fre)**

[Acute fatty liver of pregnancy] Bacq Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):851–61 (109 ref.) (Eng. Abstr.) **(Fre)**

[Primary hyperparathyroidism and pregnancy. Study of a case and review of the literature] Caron P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):919–22 (18 ref.) (Eng. Abstr.) **(Fre)**

[Significance of periods of fetal hyperactivity and hypoactivity at the end of pregnancy as demonstrated by tococinon. New series] Lempereur M, et al. **Rev Fr Gynecol Obstet** 1987 Jun;82(6):423–6 (Eng. Abstr.) **(Fre)**

[Polyradiculoneuritis and pregnancy. Apropos of 1 case] Marsepoil T, et al. **Rev Fr Gynecol Obstet** 1987 Jun; 82(6):435–7 (Eng. Abstr.) **(Fre)**

[Ileal perforation as the first manifestation of Crohn disease in pregnancy] Fatzer H, et al. **Chirurg** 1986 Oct; 57(10):646–8 **(Ger)**

[Laparoscopy in gynecology and obstetrics] Lüscher KP, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):293–6 (Eng. Abstr.) **(Ger)**

[Sonographic evaluation of the quantity of amniotic fluid. II. Oligohydramnios—significance for the course of pregnancy and labor] Rabe D, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):422–6 (Eng. Abstr.) **(Ger)**

[Uterus didelphys and vagina duplex with pregnancy to full term] Rajčić D, et al. **Geburtshilfe Frauenheilkd** 1987 Jul; 47(7):501–2 (Eng. Abstr.) **(Ger)**

[Vaginal sonography of intact pregnancy in the first trimester] Rempen A. **Geburtshilfe Frauenheilkd** 1987 Jul; 47(7):477–82 (Eng. Abstr.) **(Ger)**

[Sonographic studies of the correlation of cystopyelitis gravidarum and kidney pelvis hydronephrosis] Tischendorf D, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):280–1 (Eng. Abstr.) **(Ger)**

[Chronic inflammatory bowel disease and pregnancy] Dirks E, et al. **Med Klin** 1986 Feb 28;81(4):130–4 **(Ger)**

[Diseases of the digestive system in pregnancy] Strohmeyer G, et al. **Ther Umsch** 1987 Jan;44(1):16–27 (Eng. Abstr.) **(Ger)**

[Kidney diseases and hypertension in pregnancy] Wegmüller E. **Ther Umsch** 1987 Jan;44(1):7–15 (Eng. Abstr.) **(Ger)**

[A new study method: the perineal scan in obstetrics and gynecology] Grischke EM, et al. **Ultraschall Med** 1986 Aug;7(4):154–61 (Eng. Abstr.) **(Ger)**

[Specific pregnancy dermatoses—a simplified clinical classification] Jurecka W. **Wien Klin Wochenschr** 1987 Apr 17;99(8):261–4 (Eng. Abstr.) **(Ger)**

[Studies of obstetric and socioeconomic factors in the origins of prematurity] Rosanelli K, et al. **Wien Med Wochenschr** 1987 Jan 15;137(1):15–20 (Eng. Abstr.) **(Ger)**

[Work disability caused by illness in pregnant women] Grünert E, et al. **Z Arztl Fortbild (Jena)** 1986; 80(21):899–901 **(Ger)**

[Acute fatty liver of pregnancy. A case report of the differential diagnosis of pregnancy–associated liver diseases] Gerken G, et al. **Z Gastroenterol** 1986 Dec; 24(12):738–44 (Eng. Abstr.) **(Ger)**

[Liver diseases in pregnancy—a diagnostic and therapeutic challenge] Oney T, et al. **Z Gastroenterol** 1987 Mar;25 Suppl 2:6–16 **(Ger)**

[Problems of exposure to organic mercury compounds in pregnancy] Böttcher M, et al. **Z Gesamte Inn Med** 1987 Mar 1;42(5):141–3 (Eng. Abstr.) **(Ger)**

[Phosphate diabetes and pregnancy] Buchholz K, et al. **Zentralbl Gynakol** 1987;109(6):383–5 (Eng. Abstr.) **(Ger)**

[Morbidity status, causes for work disability and social factors influencing work disability in pregnancy. 2. Causes for work disability] Flachowsky S. **Zentralbl Gynakol** 1986; 108(20):1242–50 (Eng. Abstr.) **(Ger)**

[Isotope perfusion studies of the placenta completed with external tocometry] Koloszár S, et al. **Orv Hetil** 1986 Nov 30;127(48):2931–2, 2935 (Eng. Abstr.) **(Hun)**

[Laparoscopy at the Obstetrics and Gynecology Clinic of Cagliari (1982–1985)]. I. Didactic problems] Caruso A, et al. **Ann Ostet Ginecol Med Perinat** 1987 Jan–Feb; 108(1):36–40 (Eng. Abstr.) **(Ita)**

[Clinical decision making. Quantitative approach to diagnostic and therapeutic problems in obstetrics] Guaschino S, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr;108(2):102–7 (Eng. Abstr.) **(Ita)**

[Salivary acidity as an index of periodontal disease in pregnancy. A clinical contribution] Devalle GF, et al. **Minerva Stomatol** 1987 Jun;36(6):453–9 (Eng. Abstr.) **(Ita)**

[Lymphocytic adenohypophysitis. Case report] Moriyama E, et al. **Neurol Med Chir (Tokyo)** 1986 Apr;26(4):339–43 (Eng. Abstr.) **(Jpn)**

[Chorea gravidarum; clinical features] Fukutake T, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):244–9 (Eng. Abstr.) **(Jpn)**

[Use of ultrasonics in pregnancy] **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2887–90 **(Nor)**

[Use of ultrasonics in Norwegian obstetric departments] Backe B, et al. **Tidsskr Nor Laegeforen** 1987 Feb 20; 107(5):471–3 (Eng. Abstr.) **(Nor)**

[Pregnancy complicated by appendicitis] Kowalczyk TJ, et al. **Ginekol Pol** 1986 Nov;57(11):707–11 (Eng. Abstr.) **(Pol)**

[Isaacs–Mertens syndrome: continuous activity of motor units] Kwieciński H, et al. **Neurol Neurochir Pol** 1987 Jan–Feb;21(1):28–32 (Eng. Abstr.) **(Pol)**

[Acute fatty liver in pregnancy] Czerwoniec W. **Pol Tyg Lek** 1986 Aug 4;41(31):963–6 (Eng. Abstr.) **(Pol)**

[Hyperthyroidism in pregnancy—diagnosis and treatment] Szelachowska M. **Pol Tyg Lek** 1986 Aug 4;41(31):985–8 **(Pol)**

[Appendicitis in pregnancy and the puerperium] Berliński B, et al. **Wiad Lek** 1986 Jun 15;39(12):813–7 (Eng. Abstr.) **(Pol)**

[A case of acute fatty liver in pregnancy] Starzyk J, et al. **Wiad Lek** 1986 Jul 15;39(14):992–5 (Eng. Abstr.) **(Pol)**

[Asymptomatic pancreatic cyst in a pregnant woman] Khelemendik MD. **Klin Khir** 1986;(11):51 **(Rus)**

[Use of the EOM–01–Ts echo–osteometer ultrasonic unit in obstetrics] Fazylov AA, et al. **Med Tekh** 1987 May–Jun; (3):53–5 (Eng. Abstr.) **(Rus)**

[Benign intracranial hypertension in pregnant women] Deev AS. **Sov Med** 1987;(3):96–8 **(Rus)**

[Acute pyelonephritis in pregnant women] Petrichko MI. **Sov Med** 1987;(4):108–11 **(Rus)**

[Sonographic study of the biliary tract during pregnancy] Mlynček M, et al. **Cesk Gynekol** 1987 May;52(4):263–7 (Eng. Abstr.) **(Slo)**

DIET THERAPY

Maternal PKU: strategies for dietary treatment and monitoring compliance. Matalon R, et al. **Ann NY Acad Sci** 1986;477:223–30

Problems related to diet management of maternal phenylketonuria. Acosta PB, et al. **J Inherited Metab Dis** 1986;9 Suppl 2:183–201

Outcome of untreated vs treated PKU pregnancies [letter] Fisch RO. **J Pediatr** 1987 Sep;111(3):475

New England Maternal PKU Project: prospective study of untreated and treated pregnancies and their outcomes. Rohr FJ, et al. **J Pediatr** 1987 Mar;110(3):391–8

Study seeks to learn best course of action for mothers–to–be with controlled PKU [news] Garrahan K. **JAMA** 1987 Jun 19;257(23):3184, 3187

Successful pregnancy of a woman with advanced renal failure on nutritional treatment. Fröhling PT, et al. **Nephron** 1986; 44(3):195–7

[Importance of biologically valuable food products in the combined therapy of pregnant women with chronic diseases of the hepatobiliary system] Zakrevskiĭ AA. **Akush Ginekol (Mosk)** 1986 Nov;(11):75–7 **(Rus)**

DRUG THERAPY

Corticosteroid treatment of maternal ITP and risk of neonatal thrombocytopenia. Donnér M, et al. **Acta Paediatr Scand** 1987 Mar;76(2):369–71

Epilepsy and pregnancy. Davies SM. **Am Fam Physician** 1986 Nov;34(5):179–83

Reversing severe hypoglycemia during pregnancy with glucagon therapy. Rayburn W, et al. **Am J Perinatol** 1987 Jul;4(3):259–61

Haloperidol as an alternative to lithium in pregnant women [letter] Van Gent EM, et al. **Am J Psychiatry** 1987 Sep; 144(9):1241

Methimazole, carbimazole, and congenital skin defects. Van

Dijke CP, et al. **Ann Intern Med** 1987 Jan;106(1):60–1

Congenital cytomegalovirus infection and maternal systemic lupus erythematosus: a case report. Jones MM, et al. **Arthritis Rheum** 1986 Nov;29(11):1402–4

Medical treatment of pregnancy hypertension. Armstrong P. **Br J Hosp Med** 1986 Nov;36(5):347–53

Successful pregnancy following steroid therapy and plasma exchange in a woman with anti–Ro (SS–A) antibodies. Case report. Barclay CS, et al. **Br J Obstet Gynaecol** 1987 Apr; 94(4):369–71

Treatment of rheumatic diseases. Byron MA. **Br Med J** 1987 Jan 24;294(6566):236–8

Treatment of endocrine diseases. Hague WM. **Br Med J** 1987 Jan 31;294(6567):297–300

Prescribing in pregnancy. Epilepsy and anticonvulsant drugs. Hopkins A. **Br Med J** 1987 Feb 21;294(6570):497–501

Prescribing in pregnancy [letter] Brown EG. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):180

Treatment of common minor ailments. Howden CW. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1549–50

Prescribing in pregnancy. General principles. Rubin PC. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1415–7

Prescribing in pregnancy. Identifying abnormalities. Whittle MJ, et al. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1485–8

Teratogenesis and other adverse effects on the fetus of antimicrobial drugs used in pregnancy. Hawkins DF. **Clin Exp Obstet Gynecol** 1986;13(3–4):113–24 (34 ref.)

Prevention of fetal damage through dietary control of maternal hyperphenylalaninemia. Ghavami M, et al. **Clin Obstet Gynecol** 1986 Sep;29(3):580–5

Anticonvulsant drugs in monotherapy. Effect on the fetus. Bertollini R, et al. **Eur J Epidemiol** 1987 Jun;3(2):164–71

Maternal epilepsy and birth defects: a case–control study in the Italian Multicentric Registry of Birth Defects (IPIMC). Bertollini R, et al. **Eur J Epidemiol** 1985 Mar;1(1):67–72

Effects of glucocorticoids during pregnancy on the outcome of the children directly after birth and in the long run. Koppe JG, et al. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(5):293–9

Maternal anticonvulsants and perinatal risk. Ramaekers LH, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(5):277–82

Successful control of pheochromocytoma in pregnancy. Case report. Sukenik S, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):249–51

Evaluation of drug therapy and teratogenic risk in a Rhône–Alpes district population of pregnant epileptic women. Robert E, et al. **Eur Neurol** 1986;25(6):436–43

Problems in the long–term assessment of risks from drugs used in pregnancy maintenance. Sullivan FM. **Hum Reprod** 1986 Nov;1(7):459–61

Treatment of mental disorders in pregnancy. A review of psychotropic drug risks and benefits. Kerns LL. **J Nerv Ment Dis** 1986 Nov;174(11):652–9 (90 ref.)

Polymyositis in pregnancy. A case report and literature review. Houck W, et al. **J Reprod Med** 1987 Mar; 32(3):208–10

Teratogenic drugs in pregnancy. Stanley FJ, et al. **Med J Aust** 1986 Dec 1–15;145(11–12):596–9

Drug therapy for Graves' disease during pregnancy [letter] **N Engl J Med** 1986 Dec 4;315(23):1485–6

Maternal drug therapy: effect on fetal and neonatal growth and neurobehavior. Hill RM, et al. **Neurotoxicology** 1986 Summer;7(2):121–39

Transient vasopressin–resistant diabetes insipidus of pregnancy. Ford SM Jr, et al. **Obstet Gynecol** 1986 Nov; 68(5):726–8

Acute pancreatitis and primary hyperparathyroidism in pregnancy: treatment of hypercalcemia with magnesium sulfate. Rajala B, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):460–2

The association of aplasia cutis congenita with therapy of maternal thyroid disease. Kalb RE, et al. **Pediatr Dermatol** 1986 Sep;3(4):327–30

Pharmacotherapy of psychiatric disorder in pregnancy and during breastfeeding: a review. Thiels C. **Pharmacopsychiatry** 1987 Jul;20(4):133–46 (146 ref.)

Carbamazepine in pregnancy [letter] Mueller PS. **Psychosomatics** 1986 Nov;27(11):797–8

Diabetes insipidus in pregnancy treated with desmopressin acetate. Diamond MP, et al. **South Med J** 1987 Jun; 80(6):773–4

[Drugs in migraine (letter)] Huisjes HJ. **Ned Tijdschr Geneeskd** 1987 Apr 11;131(15):639 **(Dut)**

[Glucocorticoids in pregnancy: effect on the fetus and neonate (letter)] Oosterbaan HP, et al. **Ned Tijdschr Geneeskd** 1987 Jan 24;131(4):170–1 **(Dut)**

[Myasthenia gravis and pregnancy] Snijders MP, et al. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1225–7 (Eng. Abstr.) **(Dut)**

[Principles and problems of drug therapy in pregnancy] Kontula K, et al. **Duodecim** 1986;102(22):1668–82 **(Fin)**

[Facial dysmorphism related to valproic acid ingestion during pregnancy] Chevallier B, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):489–90 (Eng. Abstr.) **(Fre)**

[Genetic problems. Anticonvulsants and pregnancy. Clarification of the teratogenic risk] Verloes A, et al. **Rev Med Liege** 1986 Nov 1;41(21):879–86 **(Fre)**

[Which drugs should not be prescribed in pregnancy] Schelling JL. **Ther Umsch** 1987 Jan;44(1):48–53 (Eng. Abstr.) **(Fre)**

[Pharmacovigilance and practical medicine. Pragmatic approach in therapeutic counseling for pregnant women] Demarez JP, et al. **Therapie** 1987 Mar–Apr;42(2):223–6 (Eng. Abstr.) **(Fre)**

[Drug treatment of pain. 4: Headache and migraine, drug interactions, contra–indications, use of analgesics in pregnancy and lactation] Kromer W. **Fortschr Med** 1986 Nov 6;104(41):771–4 (Eng. Abstr.) **(Ger)**

[Fetal bigeminus following combined bronchodilator treatment of the mother] Neeb U. **Geburtshilfe Frauenheilkd** 1986 Aug;46(8):545–6 (Eng. Abstr.) **(Ger)**

[Which drugs are allowed, which should one avoid, which are contraindicated?] Stahlmann R, et al. **Gynakologe** 1987 Jun;20(2):129–36 **(Ger)**

[Effect of pregnancy monitoring on the occurrence of connatal struma in an endemic struma area] Pink V, et al. **Z Arztl Fortbild (Jena)** 1986;80(22):935–7 **(Ger)**

[Problems of immunosuppressive therapy in pregnancy] Piccione E, et al. **Clin Ter** 1987 Apr 30;121(2):155–7 **(Ita)**

[A case of idiopathic Addison's disease with pregnancy] Nakamura H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1165–8 **(Jpn)**

[Prospects for the injection–free method of treating pregnancy and labor complications using carrier substances (experimental study)] Kintraia PIa, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):47–50 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Maternal serum diamine oxidase activity in the third trimester. Legge M, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):493–8

Maternal serum cholinesterase levels in pregnant women in healthy and diseased states. Satyanarayana M. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):425–31

Intrahepatic cholestasis of pregnancy with marked elevation of transaminases in a black American. Wilson JA. **Dig Dis Sci** 1987 Jun;32(6):665–8

Enzymatic and morphological response of the thymus to drugs in normal and zinc–deficient pregnant rats and their fetuses. Gossrau R, et al. **Histochemistry** 1987;86(3):321–9

Diabetes insipidus in pregnancy associated with abnormally high circulating vasopressinase activity. Durr JA, et al. **N Engl J Med** 1987 Apr 23;316(17):1070–4

Development of aminotransferase activities in the serum of young rats born to normal females and to females exposed to intermittent hypoxia during pregnancy. Trojan S, et al. **Physiol Bohemoslov** 1986;35(6):515–7

[Effect of determination of lactate dehydrogenase and its isoenzymes on monitoring high–risk pregnancy] Zhou LF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):264–7, 317 (Eng. Abstr.) **(Chi)**

[Urinary trehalase activity during normal pregnancy: tubular dysfunctions] Higuchi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2045–9 (Eng. Abstr.) **(Jpn)**

[Alpha–cysteine protease inhibitor level in the serum of mothers and their fetuses in cases of physiologic and pathologic pregnancies] Warwas M, et al. **Wiad Lek** 1986 Aug 1;39(15):1018–23 (Eng. Abstr.) **(Pol)**

ETHNOLOGY

Vitamin B–6 nutriture and plasma diamine oxidase activity in pregnant Hispanic teenagers. Martner–Hewes PM, et al. **Am J Clin Nutr** 1986 Dec;44(6):907–13

[Pregnancy and delivery in Ethiopian women] Segal S, et al. **Harefuah** 1987 Apr 1;112(7):319–21 (Eng. Abstr.) **(Heb)**

ETIOLOGY

Incidence of seizures during pregnancy, labor and puerperium in epileptic women: a prospective study. Bardy AH. **Acta Neurol Scand** 1987 May;75(5):356–60

Short stature in Scandinavian women. An obstetrical risk factor. Kappel B, et al. **Acta Obstet Gynecol Scand** 1987; 66(2):153–8

Does position and size of corpus luteum have any effect on nausea of pregnancy? Samsioe G, et al. **Acta Obstet Gynecol Scand** 1986;65(5):427–9

Spondylolysis and pregnancy—a risk analysis. Saraste H. **Acta Obstet Gynecol Scand** 1986;65(7):727–9

Birth weight, Apgar scores, labor and delivery complications and prenatal characteristics of Southeast Asian adolescents and older mothers. Swenson I, et al. **Adolescence** 1986 Fall; 21(83):711–22

Rupture of the liver associated with acute fatty liver of pregnancy. Minuk GY, et al. **Am J Gastroenterol** 1987 May; 82(5):457–60

Nephrolithiasis in pregnancy. Maikranz P, et al. **Am J Kidney Dis** 1987 Apr;9(4):354–8 (24 ref.)

Pulmonary injury complicating antepartum pyelonephritis. Cunningham FG, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):797–807

Chayote (Sechium edule) causing hypokalemia in pregnancy. Jensen LP, et al. **Am J Obstet Gynecol** 1986 Nov; 155(5):1048–9

Uterus didelphys with microscopic communication between horns. Sanfilippo JS, et al. **Am J Obstet Gynecol** 1986 Nov; 155(5):1055–6

Obstetric implications of minor müllerian anomalies in oligomenorrheic women. Sørensen SS, et al. **Am J Obstet Gynecol** 1987 May;156(5):1112–8

Acute fatty liver of pregnancy. A reassessment based on observations in nine patients. Riely CA, et al. **Ann Intern Med** 1987 May;106(5):703–6

Health implications of traditional female circumcision in pregnancy. Adetoro OO, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):489–92

Obstetric performance of elderly primiparae. Ho PC, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):499–504

Giardiasis and vitamin B12 deficiency [letter] Heazlewood VJ, et al. **Aust NZ J Med** 1987 Apr;17(2):261

Women and the hazardous environment: when the pregnant patient requires hyperbaric oxygen therapy. Jennings RT. **Aviat Space Environ Med** 1987 Apr;58(4):370–4

Recurrent angioedema: familial and oestrogen–induced. Warin RP, et al. **Br J Dermatol** 1986 Dec;115(6):731–4

Can normal pregnancy damage your health? [editorial] Davison JM, et al. **Br J Obstet Gynaecol** 1987 May; 94(5):385–6

Old abdominal burns and caesarean section. Case report. Fioretti P, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):596–7

Does conception before marriage matter? Golding J, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):38–43

The effects of inflammatory bowel disease on pregnancy: a case–controlled retrospective analysis. Porter RJ, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1124–31

Feto–maternal haemorrhage associated with genetic amniocentesis: results of a randomized trial. Tabor A, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):528–34

Reproduction and work [editorial] [published erratum appears in Br Med J [Clin Res] 1987 Jan 10;294(6564):75] Lee WR, et al. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1521–2

Traumatic diaphragmatic hernia in pregnancy. Rajapaksa DS. **Ceylon Med J** 1986 Sep;31(3):153–5

Transfusion–induced graft versus host disease in pregnancy. Sheehan T, et al. **Clin Lab Haematol** 1987;9(2):205–7

Adult respiratory distress syndrome following orogenital sex during pregnancy. Kaufman BS, et al. **Crit Care Med** 1987 Jul;15(7):703–4

Physical demands of work and health complaints among women working late in pregnancy. Cherry N. **Ergonomics** 1987 Apr;30(4):689–701

Four cases of pregnancy with low estrogen production due to placental enzymatic deficiency. Mango D, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):65–71

Acquired pseudoobstruction of the colon due to segmental hypoganglionosis. Matsui T, et al. **Gastrointest Radiol** 1987; 12(3):262–4

Development of psychosis during premature labor. Ticknor CB, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):406–7

Diaphragmatic rupture in late pregnancy due to blunt injury. Rabinovici J, et al. **Injury** 1986 Nov;17(6):416–7

Pica in pregnancy [letter] Boswell JM. **J Fam Pract** 1986 Dec;23(6):536

The benefits and reproductive risks of exercise to women. Meeks GR. **J Fla Med Assoc** 1986 Aug;73(8):604–6

Visual display units and pregnancy: evidence from the Montreal survey. McDonald AD, et al. **J Occup Med** 1986 Dec;28(12):1226–31

Hyperthyroidism in pregnancy [letter] Van Assche FA, et al. **J R Soc Med** 1987 Apr;80(4):261

Bilateral pregnancy in a uterus didelphys. Giorlando SW, et al. **NY State J Med** 1987 Jun;87(6):361–2

Anterior sacral meningocele in pregnancy. Kofinas AD, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):441–4

A case of sudden retinal artery occlusion and blindness in pregnancy. LaMonica CB, et al. **Obstet Gynecol** 1987 Mar; 69(3 Pt 2):433–5

Primary sclerosing cholangitis and pregnancy. Landon MB, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):457–60

Pyelonephritis associated with respiratory distress. Pruett K, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):444–6

Recurrent androgenicity in pregnancy: a case report and literature review. Shortle BE, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):462–6

Clinical management and the neoplastic sequelae of trophoblastic embolization associated with hydatidiform mole. Kohorn EI. **Obstet Gynecol Surv** 1987 Aug; 42(8):484–8 (33 ref.)

Adolescent obstetrics. Schauberger C. **Semin Adolesc Med** 1986 Sep;2(3):197–205

Female sex steroids and cholestasis. Kreek MJ. **Semin Liver Dis** 1987 Feb;7(1):8–23 (193 ref.)

Smoking and passive smoking during pregnancy and early infancy: effects on birth weight, lactation period, and cotinine concentrations in mother's milk and infant's urine. Schwartz–Bickenbach D, et al. **Toxicol Lett** 1987 Jan; 35(1):73–81

[Pregnancy with a duplicated uterus—the dynamics of a malformation syndrome] Rachev E, et al. **Akush Ginekol (Sofiia)** 1987;26(2):27–31 (Eng. Abstr.) **(Bul)**

[Early amniocentesis: accidents and incidents. Study of a series of 681 single pregnancies] Gardella C, et al. **Rev Fr Gynecol Obstet** 1986 Dec;81(12):677–81 (Eng. Abstr.) **(Fre)**

[Obstetric outcome of the malformed uterus. Study of 155 pregnancies] Lecoutour X, et al. **Rev Fr Gynecol Obstet** 1986 Jun–Jul;81(6–7):357–62 (Eng.

Abstr.) (Fre)
[Clinical aspects of 7 pregnancies following in vitro fertilization and embryo transfer (IVF/ET)] Bordt J, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):416–21 (Eng. Abstr.) (Ger)
[Smoking in pregnancy] Endler M, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):721–4 (Eng. Abstr.) (Ger)
[Complicated pregnancy course following kidney transplantation] Panagiotopoulos A, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):752–3 (Eng. Abstr.) (Ger)
[Pregnancy anamnesis and delivery in females with abnormalities of the internal genitalia] Pusch H, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):725–8 (Eng. Abstr.) (Ger)
[Effect of smoking on pregnancy] Huch A, et al. **Gynakologe** 1987 Jun;20(2):114–22 (Ger)
[Pregnancy and labor in 12 to 14-year-old girls] Vytiska-Binstorfer E, et al. **Klin Padiatr** 1987 Jan–Feb; 199(1):48–51 (Eng. Abstr.) (Ger)
[Solitary kidney and pregnancy] Kremling H. **Med Klin** 1986 Oct 3;81(20):647–9 (Ger)
[Course of pregnancy following retraction or denial of abortion petitions] Quiel V. **Z Arztl Fortbild (Jena)** 1987; 81(5):227–9 (Ger)
[Hydronephrosis in pregnancy and its etiology] Ishihara K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb; 39(2):241–8 (Eng. Abstr.) (Jpn)
[Use of seat belts during pregnancy] Brückner V, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1922–3 (Eng. Abstr.) (Nor)
[Effect of therapeutic hyperoxia on the functional reserves of pregnant animals and their fetuses] Ballina MI, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):32–5 (Eng. Abstr.) (Rus)
[Pregnancy and labor after reconstructive and plastic operations on the uterus and adnexa uteri] Samoilov AR, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):19–21 (Eng. Abstr.) (Rus)
[Effect of tobacco smoke on the mother-fetus system and the development of the offspring] Sheveleva GA, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):52–6 (Eng. Abstr.) (Rus)
[Role of prostaglandins in various forms of obstetrical and gynecological pathology] Ylikorkala O. **Akush Ginekol (Mosk)** 1987 Mar;(3):46–8 (9 ref.) (Rus)
[Methodological approaches to the complex assessment of cause and effect relations in hygiene work] Agaev FB. **Gig Sanit** 1986 Dec;(12):66–7 (Rus)
[Carpal tunnel syndrome in pregnancy. I. Epidemiologic study] Goăi M, et al. **Med Clin (Barc)** 1987 Jan 10;88(1):1–4 (Eng. Abstr.) (Spa)
[Late primiparity] Bustos JC, et al. **Rev Chil Obstet Ginecol** 1985;50(5):388–95 (Eng. Abstr.) (Spa)
[Fatty liver of pregnancy] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):441 (Spa)

FAMILIAL & GENETIC

Screening for genetic anomalies [letter] Washburn NR. **Am J Obstet Gynecol** 1987 Jul;157(1):212–3
[Prenatal diagnosis in the first trimester—beyond the first 100 cases] Intödy Z, et al. **Orv Hetil** 1987 Apr 19; 128(16):821–5 (Eng. Abstr.) (Hun)
[Status of various physiologic systems of the body during pregnancy in women born prematurely] Nikolaeva GB, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):57–9 (Rus)

IMMUNOLOGY

T-lymphocyte subsets in pregnant women with Graves' disease. Bizzarro A, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):218–27
Pregnancy and autoimmunity. Gleicher N. **Acta Haematol (Basel)** 1986;76(2–3):68–77 (59 ref.)
Lymphocyte responses in systemic lupus erythematosus in pregnancy. Beck I, et al. **Am J Med** 1987 Jan;82(1):179–80
Hydrops fetalis associated with immunologic and nonimmunologic factors. Vintzileos AM, et al. **Am J Perinatol** 1987 Apr;4(2):115–20
Anticardiolipin antibodies and the lupus anticoagulant [letter] **Ann Intern Med** 1987 Sep;107(3):431–3
Anti-SS-A antibodies and fetal outcome in maternal systemic lupus erythematosus. Ramsey-Goldman R, et al. **Arthritis Rheum** 1986 Oct;29(10):1269–73
Effect of pregnancy on collagen-induced arthritis in mice. Waites GT, et al. **Clin Exp Immunol** 1987 Mar;67(3):467–76
Outcome of pregnancies in patients with antibodies to Ro(SSA) cellular antigen [letter] Siamopoulos-Mavridis AD, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):185
Trophoblast antigens in normal and abnormal human pregnancy. McIntyre JA, et al. **Clin Obstet Gynecol** 1986 Dec;29(4):976–98 (41 ref.)
Immunological aspects of normal and abnormal pregnancy. Billington WD. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1–2):147–54 (36 ref.)
Pruritic urticarial papules and plaques of pregnancy. A review of 21 cases. Alcalay J, et al. **J Reprod Med** 1987 Apr;32(4):315–6
Anticardiolipin antibodies during pregnancy. Hedfors E, et al. **J Rheumatol** 1987 Feb;14(1):160–1
Anticardiolipin antibodies: their presence as a marker for lupus anticoagulant in pregnancy. Pattison NS, et al. **NZ Med J** 1987 Feb 11;100(817):61–4
A new postpartum syndrome associated with antiphospholipid antibodies. Kochenour NK, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):460–8
Immunological thrombocytopenia in pregnancy. Patriarco M, et al. **Obstet Gynecol Surv** 1986 Nov;41(11):661–71 (74 ref.)
Immunological disorders of human pregnancy. Redman CW, et al. **Oxf Rev Reprod Biol** 1986;8:223–65 (300 ref.)
Neonatal pemphigus vulgaris: transplacental transmission of antibodies. Hup JM, et al. **Pediatr Dermatol** 1986 Dec; 3(6):468–72
Agammaglobulinemia in a pregnant woman. Funakoshi N, et al. **Tohoku J Exp Med** 1986 Aug;149(4):359–65
[Immunity and toxoplasmosis in pregnant women in France (letter)] Desmonts G. **Arch Fr Pediatr** 1986 May;43(5):367 (Fre)
[Immunoreactive diseases in pregnancy] Donat H. **Zentralbl Gynakol** 1986;108(16):961–73 (Eng. Abstr.) (Ger)
[Immunological aspects of pregnancy. Part II: Immunopathology of gestational diseases] Potashnik G. **Harefuah** 1986 Jun 1;110(11):568–73 (92 ref.) (Heb)
[Pregnancy and childbirth in mothers with idiopathic thrombocytopenic purpura (letter)] Mikó T. **Orv Hetil** 1986 Sep 14;127(37):2285 (Hun)

METABOLISM

Alteration in sulfobromphthalein hepatic storage capacity (S) in non-pregnant women previously affected with intrahepatic cholestasis of pregnancy (ICP). Frezza M, et al. **Acta Obstet Gynecol Scand** 1986;65(6):577–80
Worsening hypokalemia and an acid-base abnormality in a pregnant woman. Narins RG, et al. **Am J Kidney Dis** 1987 Jun;9(6):511–3
Renal effects of ovine fetal arginine vasopressin secretion in response to maternal hyperosmolality. Ervin MG, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1341–7
Increase in hepatic low-density lipoprotein receptor activity during pregnancy in Watanabe heritable hyperlipidemic rabbits; an animal model for familial hypercholesterolemia. Shiomi M, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):92–100
Postnatal distribution of vitamin A in liver, lung, heart and brain of the rat in relation to maternal vitamin A status. Sharma HS, et al. **Biol Neonate** 1986;50(6):345–50
Phenytoin kinetics during pregnancy and the puerperium. Knott C, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1030–7
Nutritional management of pregnancy in patients on home parenteral nutrition. Mughal MM, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):44–9
Transplacental passage of digoxin in the case of nonimmune hydrops fetalis. Mimura S, et al. **Clin Cardiol** 1987 Jan; 10(1):63–5
Placental proteins in oncology. Seppälä M, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):593–610 (112 ref.)
Chronic ethanol intake in lactating rats: milk analysis. Sanchis R, et al. **Comp Biochem Physiol [C]** 1986;85(1):107–10
Steatorrhea in patients with intrahepatic cholestasis of pregnancy. Reyes H, et al. **Gastroenterology** 1987 Sep; 93(3):584–90
Fetal and maternal thyroid hormones. Morreale de Escobar G, et al. **Horm Res** 1987;26(1–4):12–27 (41 ref.)
Effect of chronic maternal hyperkalaemia on plasma, cerebrospinal fluid and brain interstitial fluid potassium in developing rats. Keep RF, et al. **J Dev Physiol** 1987 Feb; 9(1):89–95
Pregnancy in and incidence of xanthine oxidase deficiency. Harkness RA, et al. **J Inherited Metab Dis** 1986;9(4):407–8
Release of zinc from maternal tissues during zinc deficiency or simultaneous zinc and calcium deficiency in the pregnant rat. Masters DG, et al. **J Nutr** 1986 Nov;116(11):2148–54
Amniotic fluid erythropoietin correlates with umbilical plasma erythropoietin in normal and abnormal pregnancy. Teramo KA, et al. **Obstet Gynecol** 1987 May;69(5):710–6
Reduction of beta-endorphin levels in the amniotic fluid of heroin addicts. Volpe A, et al. **Obstet Gynecol** 1986 Nov; 68(5):606–9
[Various parameters of the amniotic fluid and placentas of Rh-isoimmunized women] Tiufekchieva E, et al. **Akush Ginekol (Sofiia)** 1987;26(3):15–9 (Eng. Abstr.) (Bul)
[Fluorescence polarization for measuring the production of surfactant in pathological pregnancies] Luerti M, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr;108(2):83–9 (Eng. Abstr.) (Ita)
[Quantitative analysis of sugars present in acid hydrolysates of full-term placentas from normal pregnant women and pregnant women with rheumatoid arthritis] Laureti E, et al. **Minerva Ginecol** 1987 May;39(5):311–3 (Eng. Abstr.) (Ita)

MICROBIOLOGY

The prevalence of Chlamydia trachomatis in the cervix of puerperal women, and its consequences for the outcome of pregnancy. Skjeldestad FE, et al. **Scand J Prim Health Care** 1986 Nov;4(4):209–12

MORTALITY

Maternal death in New Jersey—1983. Hansen GF, et al. **NJ Med** 1985 Nov;82(11):871–3
Maternal mortality in southern Africa, 1980–1982. Part II. Causes of maternal deaths. Boes EG. **S Afr Med J** 1987 Feb 7;71(3):160–1
[Perinatal medical possibilities and limitations of the obstetrical center—an analysis of the causes of perinatal mortality 1982–1985] Hillemanns HG, et al. **Z Geburtshilfe Perinatol** 1986 Sep–Oct;190(5):215–9 (Eng. Abstr.) (Ger)

NURSING

Pregnancy and epilepsy: nursing implications. McCormick KB. **J Neurosci Nurs** 1987 Apr;19(2):66–76
Pregnant women with systemic lupus erythematosus. Sala DJ, et al. **MCN** 1986 Nov–Dec;11(6):382–7
Trauma in pregnancy. Bremer C, et al. **Nurs Clin North Am** 1986 Dec;21(4):705–16

OCCURRENCE

Examination of gestations and deliveries subsequent to rivanol-induced interruption of first trimester pregnancies. Szeverényi M, et al. **Acta Med Hung** 1986;43(2):187–99
The grand multipara—maternal and neonatal complications. Tanbo TG, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):53–6
Mentally ill mothers and their children. An epidemiological study of antenatal care consumption, obstetric conditions, and neonatal health. Bågedahl-Strindlund M. **Acta Psychiatr Scand** 1986 Jul;74(1):32–40
Parapartum mental illness: timing of illness onset and its relation to symptoms and sociodemographic characteristics. Bågedahl-Strindlund M. **Acta Psychiatr Scand** 1986 Nov; 74(5):490–6
Acute renal failure in pregnancy: 1987. Grünfeld JP, et al. **Am J Kidney Dis** 1987 Apr;9(4):359–62 (11 ref.)
Pregnancy among obstetricians: a comparison of births before, during, and after residency. Grunebaum A, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):79–83
Pregnancy outcome in medically complicated and uncomplicated patients aged 40 years or older. Lehmann DK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):738–42
Outcomes in patients with unusually high maternal serum alpha-fetoprotein levels. Nelson LH, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):572–6
Unexpected problems in patients selected for birthing unit delivery. Permezel JM, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):21–3
Pregnancy and birth complications in antisocial adolescents and their siblings. Szatmari P, et al. **Can J Psychiatry** 1986 Aug;31(6):513–6
Hypoglycemia in pregnancy: unknown risks [letter] Bergman M, et al. **Diabetes Care** 1987 May–Jun;10(3):380
The health consequences of teenage fertility. Makinson C. **Fam Plann Perspect** 1985 May–Jun;17(3):132–9
Fertility and outcome of pregnancy in patients operated on for Crohn's disease. Lindhagen T, et al. **Int J Color Dis** 1986 Jan;1(1):25–7
Re-evaluation of the obstetrical risk for the older primipara. Blickstein I, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):107–12
Pregnancy after gastric bypass for morbid obesity. Richards DS, et al. **J Reprod Med** 1987 Mar;32(3):172–6
Rupture of the pregnant uterus: a 53-year review. Eden RD, et al. **Obstet Gynecol** 1986 Nov;68(5):671–4
Sarcoidosis and pregnancy. Haynes de Regt R. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):369–72
Recurrence risks for common complications of pregnancy—a review. Mehta L, et al. **Obstet Gynecol Surv** 1987 Apr; 42(4):218–23 (58 ref.)
Psychosocial factors and pregnancy outcome. Part two of a prospective longitudinal study of children in a new Stockholm suburb. Aurelius G, et al. **Scand J Soc Med** 1987;15(2):79–85
[Experience and results of an epidemiological screening study in the southern part of Guinea-Bissau] Hansen HL, et al. **Ugeskr Laeger** 1987 Jun 15;149(25):1713–6 (Eng. Abstr.) (Dan)
[Symptomatic hydronephrosis in pregnancy. Occurrence, progress and prognosis] Rasmussen K, et al. **Ugeskr Laeger** 1986 Nov 3;148(45):2912–5 (Eng. Abstr.) (Dan)
[Prolapse of the umbilical cord. 79 cases] Duval C, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):163–7 (Eng. Abstr.) (Fre)
[Morbidity, causes of work disability and social factors influencing work disability in pregnancy. 1. Morbidity] Flachowsky S. **Zentralbl Gynakol** 1986;108(21):1295–300 (Eng. Abstr.) (Ger)
[Health conditions among pregnant women] Røssaak E, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17–18):1578–9 (Eng. Abstr.) (Nor)
[The role of various factors in increasing the indices of pregnancy and labor complication in multiparous women] Palvanova BB. **Akush Ginekol (Mosk)** 1987 Jan;(1):65–6 (Rus)
[Prenatal complications of multiple pregnancies] Fernández Alba J, et al. **Ginecol Obstet Mex** 1986 Oct;54:255–9 (Eng. Abstr.) (Spa)

PARASITOLOGY

Congenital toxoplasmosis: epidemiologic features and control. Carter AO, et al. **Can Med Assoc J** 1986 Sep 15; 135(6):618–23

PATHOLOGY

A correlative review of acetylcholine synthesis in relation to histopathology of the human syncytiotrophoblast. Satyanarayana M. **Acta Obstet Gynecol Scand** 1986; 65(6):567–72

Pregnancy–induced nephropathy: the significance of focal segmental glomerulosclerosis. Gaber LW, et al. **Am J Kidney Dis** 1987 Apr;9(4):317–23

Gigantomastia in pregnancy. Stavrides S, et al. **Br J Surg** 1987 Jul;74(7):585–6

Subcapsular hematoma in fatty liver of pregnancy. Roh LS. **J Forensic Sci** 1986 Oct;31(4):1509–13

Transverse vaginal septum [letter] Denis R. **J Reprod Med** 1986 Aug;31(8):64

Acute fatty liver of pregnancy: pathological aspects of a case. Laky D, et al. **Morphol Embryol (Bucur)** 1986 Jul–Sep; 32(3):193–5

Lymphocytic adenohypophysitis causing pituitary mass. Meichner RH, et al. **Neurology** 1987 Jan;37(1):158–61

Lymphocytic adenohypophysitis of pregnancy with complete recovery. McGrail KM, et al. **Neurosurgery** 1987 May; 20(5):791–3

[Pathological study on 64 placentae of perinatal death] Liu BN, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):279–82, 318 (Eng. Abstr.) **(Chi)**

[Essential and iatrogenic gingival hyperplasias. Morphometric study of collagen tissue] Boisnic S, et al. **Arch Anat Cytol Pathol** 1986;34(5–6):279–82 (Eng. Abstr.) **(Fre)**

[Advantages of endosonographic diagnosis in gynecology and obstetrics] Bernaschek G. **Geburtshilfe Frauenheilkd** 1987 Jul;47(7):471–6 (Eng. Abstr.) **(Ger)**

[Dilatation of the upper urinary tract in pregnancy—incidence, severity and follow–up. A sonographic study] Lentsch P, et al. **Urologe [A]** 1987 May; 26(3):122–8 (Eng. Abstr.) **(Ger)**

[The course of pregnancy and labor in young females with reference to morphometric studies of the placenta] Estel C, et al. **Z Arztl Fortbild (Jena)** 1986;80(20):853–5 **(Ger)**

[An unusual histopathologic finding in polymorphic exanthema of pregnancy (itching, urticarial papules and plaques of pregnancy)] Alcalay J, et al. **Z Hautkr** 1987 Jun 1;62(11):879–81 (Eng. Abstr.) **(Ger)**

[Pathomorphologic changes in the myometrium of parturients following cesarean section] Moriak MG, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):24–5 **(Rus)**

[Marfan's disease in a pregnant woman and her fetus] Bubnova NI. **Arkh Patol** 1986;48(9):59–61 (Eng. Abstr.) **(Rus)**

[Knife wound of the abdomen with uterine and fetal injuries in a pregnant woman] Mukaramov AM, et al. **Klin Khir** 1987;(2):58 **(Rus)**

[Advantages and inadequacies of cytohormonal analysis of the vaginal epithelium in normal and pathologic pregnancy] Ciric B. **Med Pregl** 1986;39(7–8):363–5 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

The effect of maternal hypocalcemia on fetal heart rate baseline variability. Hagay ZJ, et al. **Acta Obstet Gynecol Scand** 1986;65(5):513–5

Maximal response to oxytocin of the isolated myometrium from pregnant patients with intrahepatic cholestasis. Israel EJ, et al. **Acta Obstet Gynecol Scand** 1986;65(6):581–2

Effects of prenatal alcohol exposure on neonatal sleep–wake behaviour and adult alcohol consumption in rats. Hilakivi L. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):36–42

Opioid peptides at term pregnancy in the early puerperium and in postpartum psychosis. Terenius L, et al. **Adv Biochem Psychopharmacol** 1987;43:201–9

Long–term marginal zinc deprivation in rhesus monkeys. II. Effects on maternal health and fetal growth at midgestation. Haynes DC, et al. **Am J Clin Nutr** 1987 Jun; 45(6):1503–13

Is occupational noise exposure during pregnancy a risk factor of damage to the auditory system of the fetus? Lalande NM, et al. **Am J Ind Med** 1986;10(4):427–35

Proceedings from the International Symposium on Renal Function and Disease in Pregnancy. Chicago, Illinois, September 19–20, 1986. **Am J Kidney Dis** 1987 Apr; 9(4):243–380

Renal disease in gravid animal models. Baylis C. **Am J Kidney Dis** 1987 Apr;9(4):350–3 (10 ref.)

Diabetes insipidus in pregnancy. Dürr JA. **Am J Kidney Dis** 1987 Apr;9(4):276–83 (29 ref.)

Pregnancy and benign rheumatoid nodules [letter] Sibley JT. **Am J Med** 1986 Dec;81(6):1124

A viable pregnancy in a patient with myositis ossificans progressiva. Thornton YS, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):577–8

Nausea and vomiting of pregnancy and association with pregnancy outcome. Tierson FD, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1017–22

Altitude–aggravated illness: examples from pregnancy and prenatal life. Moore LG. **Ann Emerg Med** 1987 Sep; 16(9):965–73 (51 ref.)

Potential hazards of hypoglycaemia in the parturient. Marx GF, et al. **Can J Anaesth** 1987 Jul;34(4):400–2

The use of colloid osmotic pressure in pregnancy. Moise KJ Jr, et al. **Clin Perinatol** 1986 Dec;13(4):827–42 (53 ref.)

Feline maternal taurine deficiency: effects on retina and tapetum of the offspring. Imaki H, et al. **Dev Neurosci** 1986; 8(3):160–81

Control of the uteroplacental circulation in health and disease. Asśali NS, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):43–55 (45 ref.)

Exacerbation of idiopathic pulmonary hemosiderosis in pregnancy. Michaeli J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):153–8

Is maternal alkalosis harmful to the fetus? Sachs BP, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):65–8

Effect of hormones on seizure activity during pregnancy. Ramsay RE. **J Clin Neurophysiol** 1987 Jan;4(1):23–5

Parkinson's disease and pregnancy. Golbe LI. **Neurology** 1987 Jul;37(7):1245–9

Influence of maternal hyperoxia or hypercarbia on the hemodynamics of the placenta and fetal brain. Hidaka A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1754–62

Idiopathic facial nerve paralysis (Bell's palsy) in late pregnancy and the early puerperium. McGregor JA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):435–8

Nausea and vomiting in pregnancy: a review. Jarnfelt–Samsioe A. **Obstet Gynecol Surv** 1987 Jul; 42(7):422–7

Maternal ocular adaptations during pregnancy. Weinreb RN, et al. **Obstet Gynecol Surv** 1987 Aug;42(8):471–83 (141 ref.)

Maternal malnutrition in the rat: effects on food intake and body weight. Kanarek RB, et al. **Physiol Behav** 1986 Oct; 38(4):509–15

Course and prognosis of pregnancy in women with liver disease. Varma RR. **Semin Liver Dis** 1987 Feb;7(1):59–66 (102 ref.)

Low–back pain in pregnancy. Fast A, et al. **Spine** 1987 May; 12(4):368–71

[Relation of the reactivity of placental vessels in vitro to the clinical course of pregnancy, labor and the status of the neonate after delivery. I. The effect of individually studied factors on the reactivity of placental vessels] Jungmannová C. **Cesk Gynekol** 1987 Mar;52(2):98–104 (Eng. Abstr.) **(Cze)**

[Relation between the reactivity of placental arteries in vitro to the course of the pregnancy, the delivery and the status of the neonate. II. The effect of combinations of various factors on the reactivity of placental arteries] Jungmannová C, et al. **Cesk Gynekol** 1987 Apr;52(3):187–97 (Eng. Abstr.) **(Cze)**

[Lupus and pregnancy] Pennec Y, et al. **Arch Fr Pediatr** 1986 Oct;43(8):655–63 **(Fre)**

[Asthma and pregnancy: peculiarities, therapeutic precautions] de Fenoyl O, et al. **Rev Pneumol Clin** 1987; 43(2):104–8 (Eng. Abstr.) **(Fre)**

[Increased birth weight in psoriasis vulgaris—an evolutionary advantage?] Voigtländer V, et al. **Z Hautkr** 1987 Jul 1; 62(13):978–82 (Eng. Abstr.) **(Ger)**

[Altitude exposure and staying at high altitude in pregnancy: effects on the mother and fetus] Baumann H, et al. **Zentralbl Gynakol** 1986;108(15):889–99 (Eng. Abstr.) **(Ger)**

[Significance of blood flow measurement in the cervix uteri in the 1st trimester of pregnancy] Zubek L, et al. **Zentralbl Gynakol** 1986;108(15):900–5 (Eng. Abstr.) **(Ger)**

[Epilepsy, pregnancy and obstetric prognosis. A retrospective analysis] Vinci GW, et al. **Minerva Ginecol** 1986 Sep; 38(9):675–81 (Eng. Abstr.) **(Ita)**

[The course of pregnancy and labor in mothers of newborn infants with neonatal jaundice] Prawecka M, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):250–3 (Eng. Abstr.) **(Pol)**

[Functional and morphofunctional characteristics of the placenta in chronic pyelonephritis in pregnant women] Bilash OV. **Akush Ginekol (Mosk)** 1987 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**

[Function of the bile–secreting system in pregnant women suffering from chronic cholecystitis] Burkov SG. **Akush Ginekol (Mosk)** 1986 Aug;(8):57–8 **(Rus)**

[Dynamics of utero–placental blood flow and endocrine indices of the feto–placental system in women with pregnancy complications] Kastelianos P, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):32–5 (Eng. Abstr.) **(Rus)**

[Relation between features of changes in the response of the fetus to functional loading and its circadian rhythms] Kintraia Pla, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):35–6 (Eng. Abstr.) **(Rus)**

[The frequency of crises in epileptic women during pregnancy: a prospective study] Nogales Gaete J. **Rev Med Chil** 1986 Nov;114(11):1052–7 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Pre–conceptual dietary management for maternal phenylketonuria. Farquhar DL, et al. **Acta Paediatr Scand** 1987 Mar;76(2):279–83

Responsibility, obligation, and duty. Presidential address. Dunn LJ. **Am J Obstet Gynecol** 1987 Sep;157(3):521–30

Pregnancy in the OR. Part II: Ensuring fetal health. Drinville–Shank G. **AORN J** 1987 Mar;45(3):740–7, 750

Preliminary report on a prepregnancy counselling clinic. Smith NC, et al. **Br J Hosp Med** 1987 Apr;37(4):320, 322–3

The impact of prenatal care on the outcome of pregnancy. Insler V, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):211–23

Changing approaches in women's health: new insights and new pitfalls in prenatal preventive care. Romito P, et al. **Int J Health Serv** 1987;17(2):241–58

A prenatal screening system for use in a community–based setting. Kennedy ET. **J Am Diet Assoc** 1986 Oct; 86(10):1372–5

Aerobic exercise, maternal self–esteem, and physical discomforts during pregnancy. Wallace AM, et al. **J Nurse Midwifery** 1986 Nov–Dec;31(6):255–62

Screening for antenatal and postnatal depressive symptoms in general practice using a microcomputer–delivered questionnaire. Ancill R, et al. **J R Coll Gen Pract** 1986 Jun;36(287):276–9

Protection of maternal iron stores in pregnancy. Dawson EB, et al. **J Reprod Med** 1987 Jun;32(6 Suppl):478–87

Protection of maternal iron stores in pregnancy. Panel discussion. McGanity WJ, et al. **J Reprod Med** 1987 Jun; 32(6 Suppl):488–96

Protection of maternal iron stores in pregnancy. McGanity WJ. **J Reprod Med** 1987 Jun;32(6 Suppl):475–7

Impact of a programme of food supplementation during pregnancy on the proportion of low birthweight babies in Brazil [letter] Monte CM, et al. **J Trop Pediatr** 1987 Feb;33(1):58–9

Implementation of health screening programs using ethnomedical resources. Micozzi MS. **Med Anthropol** 1985 Summer;9(3):265–75

Reducing complications of perinatal care. Fletcher MA, et al. **Semin Perinatol** 1986 Jul;10(3):163–8

[The occupational environment and pregnancy. Occupational medicine advice to pregnant women in potentially high–risk occupational environments] Bonde JP, et al. **Ugeskr Laeger** 1987 Mar 2;149(10):677–80 (Eng. Abstr.) **(Dan)**

[Rhesus prevention in Aalborg Hospital during the 1969–1979 decade] Lylloff K, et al. **Ugeskr Laeger** 1986 Nov 24; 148(48):3223–6 (Eng. Abstr.) **(Dan)**

[Effectiveness of Alphastria cream in the prevention of pregnancy stretch marks (striae distensae). Results of a double–blind study] de Buman M, et al. **Gynakol Rundsch** 1987;27(2):79–84 (Eng. Abstr.) **(Ger)**

[Nutrition in pregnancy] Kübler W. **Gynakologe** 1987 Jun; 20(2):83–7 **(Ger)**

[Work capacity and pregnancy] Tietze KW, et al. **Gynakologe** 1987 Jun;20(2):88–94 **(Ger)**

[Effect of oral hygiene measures on the development of pregnancy–induced periodontal changes] Klar R, et al. **Z Arztl Fortbild (Jena)** 1987;81(11):541–3 **(Ger)**

[Prevention of acute and recurrent pyelonephritis in pregnancy] Lopatkin NA, et al. **Z Urol Nephrol** 1987 Jan; 80(1):17–23 (Eng. Abstr.) **(Ger)**

[Screening for neurosis in pregnant patients allows better detection of the risk of an underweight child] Herold K. **Zentralbl Gynakol** 1987;109(11):722–8 (Eng. Abstr.) **(Ger)**

[Smoking behavior and its modification in pregnancy—initial experiences with a smoking cessation program for pregnant patients] Reis K. **Zentralbl Gynakol** 1987;109(13):837–42 (Eng. Abstr.) **(Ger)**

[Dietary fiber in the prevention and therapy of constipation in pregnancy. A multicenter study] Cisternino A, et al. **Minerva Ginecol** 1986 Sep;38(9):737–41 (Eng. Abstr.) **(Ita)**

[Objectives of obstetric and gynecologic services in conducting ambulatory screening] Frolova OG. **Akush Ginekol (Mosk)** 1986 Sep;(9):3–4 **(Rus)**

[Data processing modeling in the preventive medical examinations of women] Andreev NA, et al. **Sov Med** 1987; (6):41–5 **(Rus)**

PSYCHOLOGY

Effect of pregnancy on panic attacks. George DT, et al. **Am J Psychiatry** 1987 Aug;144(8):1078–9

Psychosis and pregnancy. Chang SS, et al. **Compr Ther** 1986 Oct;12(10):36–41

Maternal prenatal attachment in normal and high–risk pregnancies. Kemp VH, et al. **J Obstet Gynecol Neonatal Nurs** 1987 May–Jun; 16(3):179–84

Personality and social resources in immediate and continued stress resistance among women. Hobfoll SE, et al. **J Pers Soc Psychol** 1987 Jan;52(1):18–26

Depression during and following pregnancy: quality of family relationships. Dimitrovsky L, et al. **J Psychol** 1987 May; 121(3):213–8

Identifying high–risk pregnant drinkers: biological and behavioral correlates of continuous heavy drinking during pregnancy. Smith IE, et al. **J Stud Alcohol** 1987 Jul; 48(4):304–9

Theoretical models for studying the effect of antepartum stress on the family. Mercer RT, et al. **Nurs Res** 1986 Nov–Dec;35(6):339–46

Major mental illness and childbearing. A role for the consultation–liaison psychiatrist in obstetrics. Casiano ME, et al. **Psychiatr Clin North Am** 1987 Mar;10(1):35–51

Psychiatric aspects of high–risk pregnancy. Wohlreich MM.

Psychiatr Clin North Am 1987 Mar;10(1):53–68
Stress, anxiety, and birth outcomes: a critical review of the evidence. Istvan J. **Psychol Bull** 1986 Nov;100(3):331–48
Self-amputation of the female breast. Coons PM, et al. **Psychosomatics** 1986 Sep;27(9):667–8
Maternal anxiety and sensitive mothering behavior in diabetic and nondiabetic women. Schroeder-Zwelling E, et al. **Res Nurs Health** 1986 Sep;9(3):249–55
[Partner relations in pregnancy] Buddeberg C. **Gynakologe** 1987 Jun;20(2):95–8 **(Ger)**
[Psychological and psychiatric aspects of pregnancy] Mall-Haefeli M, et al. **Ther Umsch** 1987 Jan;44(1):54–60 (Eng. Abstr.) **(Ger)**
[Effect of socioeconomic factors on twin pregnancy] Gummerus M. Z **Geburtshilfe Perinatol** 1986 Jul–Aug; 190(4):155–7 (Eng. Abstr.) **(Ger)**
[Illness status, causes for disability and social factors influencing disability in pregnancy. 3. Social factors influencing disability] Flachowsky S, et al. **Zentralbl Gynakol** 1986;108(24):1508–15 (Eng. Abstr.) **(Ger)**
[Pregnancy hyperemesis as rejection of socioeconomic dependence. A psychosomatic hypothesis] Gasparini M, et al. **Minerva Ginecol** 1987 Apr;39(4):281–4 (Eng. Abstr.) **(Ita)**
[Psychiatry and abortion. Problems of denial, ambivalence and mourning in the interruption of pregnancy for psychiatric reasons] Gabrielli F, et al. **Minerva Psichiatr** 1986 Jul–Sep;27(3):255–67 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Pelvic diastasis in pregnancy. Crim MW, et al. **Am Fam Physician** 1987 Mar;35(3):185–6
Imaging case of the month. Cephalothoracopagus syncephalus (fused head and thorax with one face). Coblentz MG, et al. **Am J Perinatol** 1986 Oct;3(4):357–9
Diagnostic radiation and pregnancy [editorial] Collins L, et al. **Med J Aust** 1983 Jan 22;1(2):52–3
[Acute fatty liver of pregnancy. Apropos of 4 cases: contribution of x-ray computed tomography] Coche G, et al. **J Radiol** 1987 Mar;68(3):193–8 (Eng. Abstr.) **(Fre)**
[Status of radiologic pelvimetry] Alder C, et al. **Geburtshilfe Frauenheilkd** 1987 Jul;47(7):483–6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Diffuse lung uptake of technetium-99m sulfur colloid associated with fatty liver disease of pregnancy. Blend MJ, et al. **Clin Nucl Med** 1987 Apr;12(4):287–9
[Dosimetric basis for the use of radionuclide methods in obstetrics] Volobuev AI, et al. **Med Radiol (Mosk)** 1987 May;32(5):38–42 (29 ref.) (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

[Absence of fetal hypothyroidism despite the therapeutic use of 131I during pregnancy] Becker P, et al. **Rev Med Chil** 1986 Apr;114(4):343–5 (Eng. Abstr.) **(Spa)**

REHABILITATION

Occurrence of strabismus in infants born to drug-dependent women. Nelson LB, et al. **Am J Dis Child** 1987 Feb; 141(2):175–8
[Substance dependence and pregnancy. Experience in care] Bussolino S, et al. **Minerva Ginecol** 1986 Nov; 38(11):895–902 (Eng. Abstr.) **(Ita)**

SURGERY

Plasma concentrations of prostaglandin F2 alpha and prostaglandin E2 metabolites after transabdominal and transvaginal cervical cerclage. Novy MJ, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1543–52
Aggressive management of cholecystitis during pregnancy. Dixon NP, et al. **Am J Surg** 1987 Sep;154(3):292–4
Risk of abortion following general anesthesia for surgery during pregnancy: anesthetic or surgical procedure? [letter] Cohen SE. **Anesthesiology** 1986 Dec;65(6):706–7
Successful pregnancy in a renal transplant recipient taking cyclosporin A. Duggan CJ, et al. **Aust NZ J Med** 1986 Dec;16(6):813–4
Intussusception in pregnancy. Case report and review of the literature. Watson R, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1093–6
Anaesthetic management of the malignant hyperthermia susceptible parturient [letter] Ranklev E, et al. **Can J Anaesth** 1987 Jan;34(1):106
Ventriculo-peritoneal shunt procedure complicated by liver capsule perforation. A case report. Wolbers JG, et al. **Clin Neurol Neurosurg** 1987;89(1):55–7
Trauma in pregnancy. Sorensen VJ, et al. **Henry Ford Hosp Med J** 1986;34(2):101–4
Surgical emergencies of the uterine adnexae during pregnancy. Johnson TR Jr, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):331–5
Obstetric hysterectomy [letter] Smith AM. **Lancet** 1986 Nov 29;2(8518):1287–8
Obstetric hysterectomy [letter] Sturdee DW, et al. **Lancet** 1987 Jan 3;1(8523):50–1
Emergency obstetric surgery performed by nurses in Zaire. White SM, et al. **Lancet** 1987 Sep 12;2(8559):612–3
Nonobstetric surgery in pregnancy. Kammerer WS. **Med Clin North Am** 1987 May;71(3):551–60 (58 ref.)
Preperitoneal herniorrhaphy: adjunct to cesarean section. Altchek A, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):470–1
Gigantomastia complicating pregnancy. Gargan TJ, et al. **Plast Reconstr Surg** 1987 Jul;80(1):121–4
Thymectomy in myasthenia gravis during pregnancy. Ip MS, et al. **Postgrad Med J** 1986 Jun;62(728):473–4
Major ambulatory surgery of the gynecologic and obstetric patient. Loffer FD. **Surg Clin North Am** 1987 Aug; 67(4):791–804
Management of rupture of the gravid uterus [letter] Pont ME. **Trop Doct** 1986 Apr;16(2):80–1
[Suprapubic transrectal incision for carrying out obstetrical and gynecological surgery. Analysis of 1,545 published cases] Mouchel J. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):959–64 (Eng. Abstr.) **(Fre)**
[Cesarean section before the end of 32 weeks of amenorrhea] Rudigoz RC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):677–85 (Eng. Abstr.) **(Fre)**
[Surgical risk in pregnancy] Hochuli E. **Ther Umsch** 1987 Jul;44(7):540–5 (Eng. Abstr.) **(Ger)**
[Acute appendicitis in pregnancy] Horntrich J, et al. **Zentralbl Chir** 1986;111(13):788–93 (Eng. Abstr.) **(Ger)**

THERAPY

Epilepsy and pregnancy [letter] Freeman JM, et al. **Am Fam Physician** 1987 Sep;36(3):47–8, 51, 54 passim
Acute carbon monoxide poisoning during pregnancy. Margulies JL. **Am J Emerg Med** 1986 Nov;4(6):516–9
Diagnostic related groups and the obstetrician: antepartum admission. Acker D, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):780–3
The cardiorespiratory effects of perfluorochemicals on acute carbon monoxide poisoning in the pregnant ewe. Baker VV, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1128–34
Gordon's syndrome in pregnancy. Kirshon B, et al. **Am J Obstet Gynecol** 1987 May;156(5):1110–1
Pregnancy management and successful outcome of Ehlers-Danlos syndrome type IV. Weinbaum PJ, et al. **Am J Perinatol** 1987 Apr;4(2):134–7
Infant development following the use of intravenous nutrition to women with persistently low urinary oestriol excretion. Carne RJ, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):30–6
Transcutaneous electrical nerve stimulation in meralgia paraesthetica of pregnancy. Fisher AP, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):603–4
Conservative management of spontaneous rupture of the liver in pregnancy [letter] Katzoulov A. **Br J Obstet Gynaecol** 1987 May;94(5):491
Conservative management of spontaneous rupture of the liver in pregnancy. Case report. Woodhouse DR. **Br J Obstet Gynaecol** 1986 Oct;93(10):1097–9
Thyroid disease in pregnancy [editorial] Belchetz PE. **Br Med J** 1987 Jan 31;294(6567):264–5
Treatment of asthma. Chung KF, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):103–5
Drawing moral lines in fetal therapy. Fletcher JC. **Clin Obstet Gynecol** 1986 Sep;29(3):595–602
Acute pyelonephritis in pregnancy. Gilstrap LG 3d, et al. **Compr Ther** 1986 Dec;12(12):38–42
Rupture of the gravid uterus. Lao TT, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):175–80
Renal failure in pregnancy, treated by hemodialysis. Van Dam P, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):243–8
Maternal phenylketonuria. Koch R, et al. **J Inherited Metab Dis** 1986;9 Suppl 2:159–68
Psychiatric management during pregnancy. Lee SR. **J Med Assoc Ga** 1986 Oct;75(10):617–21
Treatment of the pregnant alcohol-dependent woman. Jessup M, et al. **J Psychoactive Drugs** 1987 Apr–Jun;19(2):193–203
Immunoglobulin therapy for autoimmune thrombocytopenia purpura during pregnancy. A report of two cases. Davidson BN, et al. **J Reprod Med** 1987 Feb;32(2):107–9
Twin gestation and perinatal follow-up in a woman with severe chronic renal failure managed without dialysis. A case report. Grunebaum AN, et al. **J Reprod Med** 1987 Jun;32(6):463–5
Management and outcome of multiple pregnancies complicated by the antenatal death of one fetus. Hagay ZJ, et al. **J Reprod Med** 1986 Aug;31(8):717–20
Pregnancy among patients with systemic lupus erythematosus receiving immunosuppressive therapy. Meehan RT, et al. **J Rheumatol** 1987 Apr;14(2):252–8
Prospective study of pregnancy in systemic lupus erythematosus. Results of a multidisciplinary approach. Mintz G, et al. **J Rheumatol** 1986 Aug;13(4):732–9
Parenteral nutrition in a pregnant cystic fibrosis patient. Cole BN, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar–Apr; 11(2):205–7
Total parenteral nutrition in pregnancy complicated by Crohn's disease. Jacobson LB, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):93–6
Total parenteral nutrition in pregnancy: conception to delivery. Nugent FW, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul–Aug;11(4):424–7
Planned pregnancy in a patient who was receiving home parenteral nutrition. Breen KJ, et al. **Med J Aust** 1987 Feb 16;146(4):215–7
Neonatal outcome as a measure of obstetrical care. Cushman SJ, et al. **Minn Med** 1987 Jul;70(7):391–4
Internal ureteral stents for conservative management of ureteral calculi during pregnancy. Loughlin KR, et al. **N Engl J Med** 1986 Dec 25;315(26):1647–9
Anesthesia for the high-risk parturient. Malinow AM, et al. **Obstet Gynecol** 1987 Jun;69(6):951–64 (88 ref.)
Relationship of fetal hemoglobin and oxygen content to lactate concentration in Rh isoimmunized pregnancies. Soothill PW, et al. **Obstet Gynecol** 1987 Feb;69(2):268–71
Drugs for acute infection during pregnancy need careful selection. Niebyl JR. **Postgrad Med** 1987 Sep 15;82(4):36
Electrical stimulation of the bladder and gravidity. Magasi P, et al. **Urol Int** 1986;41(4):241–5
Management of urinary calculi in pregnancy. Cass AS, et al. **Urology** 1986 Nov;28(5):370–2
Palliative treatment of obstructing stone during pregnancy. Maggiolo LF, et al. **Urology** 1987 Apr;29(4):402–3
[Non-gynecological abdominal emergencies during pregnancy] Chambon JP, et al. **Ann Chir** 1986 Oct; 40(7):455–61 (Eng. Abstr.) **(Fre)**
[Renal obstruction during pregnancy. Internal drainage using the JJ ureteral probe] Schoenahl C, et al. **Ann Urol (Paris)** 1987;21(1):55–7 (Eng. Abstr.) **(Fre)**
[Acute hepatic steatosis of pregnancy: an easily curable disease] Bernuau J, et al. **Gastroenterol Clin Biol** 1987 Feb; 11(2):128–32 **(Fre)**
[Management of pregnancy at risk: evaluation of fetal movements, determination of total plasma estriol and placental lactogen hormone in relation to fetal heart rhythm] Mbanzulu PN, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):779–84 (Eng. Abstr.) **(Fre)**
[Parenteral nutrition for Crohn disease in the third trimester of pregnancy. Apropos of a case] Robin P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):379–82 (Eng. Abstr.) **(Fre)**
[Thoughts on findings for decision-making in gynecology and obstetrics] Kürzl R. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):660–4 **(Ger)**
[Pregnancy, labor and the puerperium in paraplegic patients] Rageth JC, et al. **Geburtshilfe Frauenheilkd** 1986 Aug; 46(8):536–40 (Eng. Abstr.) **(Ger)**
[Variations of the Holman method for reducing prolapsed fetal membranes] Schumann K. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):877–8 (Eng. Abstr.) **(Ger)**
[Initial clinical experience using an interdisciplinary management concept for pregnant patients with liver damage] Nieder J, et al. **Zentralbl Gynakol** 1987; 109(3):157–63 (Eng. Abstr.) **(Ger)**
[A case report of Crohn's disease maintained on parenteral nutrition for almost the whole period of pregnancy] Hiki M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct; 83(10):2238–42 **(Jpn)**
[A pregnant woman with active ulcerative colitis maintained on total parenteral nutrition] Nagamatsu Y, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):193–9 (Eng. Abstr.) **(Jpn)**
[Various remarks with regard to the therapeutic management of patients with bronchial asthma in pregnancy] Kardaszewicz B, et al. **Wiad Lek** 1986 Sep 15;39(18):1246–8 (19 ref.) **(Pol)**
[Acute renal insufficiency in pregnancy and the postpartum period] Nicolcioiu M, et al. **Rev Med Interna [Med Interna]** 1987 Mar–Apr;39(2):171–8 (Eng. Abstr.) **(Rum)**
[Chief methods of examination and treatment and criteria for discharging pregnant women with different obstetric and extragenital pathology] Ivanov IP, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):74–8 **(Rus)**
[Remote results of the treatment of acute obstructive pyelonephritis in pregnancy using a suspended catheter-stent] Vasil'eva ZV, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):13–5 (Eng. Abstr.) **(Rus)**

URINE

Nephrotic range proteinuria in pregnancy [letter] Reddy J. **NZ Med J** 1987 Jan 28;100(816):24
Quantitation of proteinuria in pregnancy by the use of single voided urine samples. Boler L, et al. **Obstet Gynecol** 1987 Jul;70(1):99–100

VETERINARY

An epidemiological and genetic study on registered diseases in Finnish Ayrshire cattle. I. The data, disease occurrence and culling. Gröhn Y, et al. **Acta Vet Scand** 1986; 27(2):182–95
An epidemiological and genetic study on registered diseases in Finnish Ayrshire cattle. II. Reproductive disorders. Saloniemi H, et al. **Acta Vet Scand** 1986;27(2):196–208
Ultrasonographic imaging to monitor fetal and placental developments in ewes fed locoweed (Astragalus lentiginosus). Panter KE, et al. **Am J Vet Res** 1987 Apr; 48(4):686–90
Investigations into the blood plasma profiles of electrolytes, 17 beta-oestradiol and progesterone in sheep suffering from vaginal inversion and prolapse ante partum. Sobiraj A, et al. **Br Vet J** 1986 May–Jun;142(3):218–23
Herniation of the abdominal wall in pregnant mares. Hanson RR, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):790–3

Clinical features and treatment of renal tubular acidosis in two horses. Ziemer EL, et al. **J Am Vet Med Assoc** 1987 Feb 1;190(3):294–6

Influence of a deficient supply of magnesium during the dry period on the rate of calcium mobilisation by dairy cows at parturition. van de Braak AE, et al. **Res Vet Sci** 1987 Jan;42(1):101–8

Effect of chronic heat load during pregnancy on birth weight, behaviour and body composition of Australian feral goat kids. Holmes JH, et al. **Trop Anim Health Prod** 1986 Aug; 18(3):185–90

The effect of maternal illness on perinatal health. Johnson CA, et al. **Vet Clin North Am [Small Anim Pract]** 1987 May;17(3):555–66 (37 ref.)

Hypocalcaemia in ewes [letter] Prickard DW. **Vet Rec** 1987 Jul 25;121(4):92

An outbreak of hypocalcaemia in ewes associated with dietary mismanagement. Sweeney HJ, et al. **Vet Rec** 1987 Jan 31;120(5):114

[Continuing eco–pathological survey: 4. Demonstration of pathologic associations in dairy cow stock: herd data] Faye B, et al. **Ann Rech Vet** 1986;17(3):257–64 (Eng. Abstr.) **(Fre)**

[Continuing eco–pathological survey: 10. Variation of pathological frequency in dairy cow stock as a function of season, year and number of lactations] Faye B, et al. **Ann Rech Vet** 1986;17(3):233–46 (Eng. Abstr.) **(Fre)**

[Continuing eco–pathological survey: 5. Demonstration of pathologic associations in dairy cow stock: individual data] Faye B, et al. **Ann Rech Vet** 1986;17(3):265–86 (Eng. Abstr.) **(Fre)**

[Significance of glucocorticoids as a stress parameter in cattle during the peripartum period] Heuwieser W, et al. **Zentralbl Veterinarmed [A]** 1987 Mar;34(3):178–87 (Eng. Abstr.) **(Ge.)**

PREGNANCY COMPLICATIONS, CARDIOVASCULAR

Acute atherosis in preeclampsia: maternal determinants and fetal outcome in the presence of the lesion. Khong TY, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):360–3

Cardiovascular collapse following epidural anaesthesia for Caesarean section in a patient with aortic incompetence. Alderson JD. **Anaesthesia** 1987 Jun;42(6):643–5

Perforated colon from ischaemia complicating a normal pregnancy [letter] Woo J. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):163

Pregnancy and delivery by caesarean section in a patient with transposition of the great arteries and single ventricle. Case report. Baumann H, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):704–8

'The next lady has a heart defect'. Burn J. **Br J Obstet Gynaecol** 1987 Feb;94(2):97–99

Haemorrhage from the placental site. Howell RJ. **Clin Obstet Gynaecol** 1986 Sep;13(3):633–58 (98 ref.)

Hemorrhagic shock in obstetrics. Hayashi RH. **Clin Perinatol** 1986 Dec;13(4):755–63 (26 ref.)

Hemodynamic monitoring in severe pregnancy–induced hypertension. Wasserstrum N, et al. **Clin Perinatol** 1986 Dec;13(4):781–99 (70 ref.)

Takayasu's arteritis and pregnancy: a case of deleterious association. Graça LM, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):347–51

Factors predictive of perinatal outcome in pregnancies complicated by hypertension. Plouin PF, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec;23(5–6):341–8

Peripartum heart disease. Falase AO. **Heart Vessels** 1985; Suppl 1:232–5

Second–degree heart block after spontaneous abortion. Danowitz JS. **Hosp Pract [Off]** 1987 Apr 15;22(4):29, 32

Four adults with Ebstein's anomaly. Ferguson T, et al. **IMJ** 1986 Sep;170(3):137–40

A clinical profile of heart disease in pregnancy. Panja M, et al. **Indian Heart J** 1986 Sep–Oct;38(5):392–6

Peripartum maternal cardiomyopathy with idiopathic cardiomyopathy in the offspring. A case report. Ferguson JE II, et al. **J Reprod Med** 1986 Dec;31(12):1109–12

Ruptured renal artery aneurysms during pregnancy. Cohen JR, et al. **J Vasc Surg** 1987 Jul;6(1):51–9

Hypertension in pregnancy. I. Repke JT. **Md Med J** 1987 Jun;36(6):473–5

Moyamoya disease presenting as intracerebral hemorrhage during pregnancy: case report and review of the literature. Enomoto H, et al. **Neurosurgery** 1987 Jan;20(1):33–5

Circulatory effects of fetal cardiac arrhythmias. Lingman G, et al. **Pediatr Cardiol** 1986;7(2):67–74

[Clinical analysis of 14 cases of obstetrical disseminated intravascular coagulation] Dong SY. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):38–40, 63 (Eng. Abstr.) **(Chi)**

[The risk of cerebrovascular complications in the combination of pregnancy and mitral valve prolapse] Goullard L, et al. **Ann Cardiol Angeiol (Paris)** 1987 Mar; 36(3):145–8 (Eng. Abstr.) **(Fre)**

[Delivery in women with heart valve prostheses. Apropos of 12 cases] Mahmoud K, et al. **Tunis Med** 1986 Nov; 64(11):935–8 (Eng. Abstr.) **(Fre)**

[Current problems of cardiomyopathies of the peripartum] Ruscitti G, et al. **Recenti Prog Med** 1986 Oct;77(10):491–3 **(Ita)**

[Fatal intraperitoneal hemorrhage due to pancreatitis--a report of two cases] Fukunaga T, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):388–92 (Eng. Abstr.) **(Jpn)**

[Unilateral asterixis caused by midbrain hemorrhage] Kida Y, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):172–6 (Eng. Abstr.) **(Jpn)**

[Cardiotocology and metallic valve prostheses (editorial)] Avila WS, et al. **Arq Bras Cardiol** 1986 Jun;46(6):367–9 **(Por)**

[Features of the course of pregnancy and labor in older primipara with rheumatic heart lesions] Golota VIa, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):61–2 **(Rus)**

[Ulcer hemorrhage in pregnancy] Jevremović H, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):695–7 (Eng. Abstr.) **(Scc)**

[Risk, maternal and fetal of pregnancy in patients with heart valve diseases] Robert JA, et al. **Rev Chil Obstet Ginecol** 1985;50(3):175–83 (Eng. Abstr.) **(Spa)**

BLOOD

Increased 2nd trimester hemoglobin concentration in pregnancies later complicated by hypertension and growth retardation. Early evidence of a reduced plasma volume. Huisman A, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):605–8

Effects of acute haemorrhagic hypotension during pregnancy and lactation in conscious goats. Olsson K, et al. **Acta Physiol Scand** 1987 Apr;129(4):479–87

The origin of increased serum iron in pregnancy–induced hypertension. Samuels P, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):721–5

Corticosteroid binding globulin in normotensive and hypertensive human pregnancy. Potter JM, et al. **Clin Sci** 1987 Jun;72(6):725–35

Plasma thromboxane and prostacyclin: comparison during normal pregnancy and pregnancy complicated by hypertension. Ogino M, et al. **Endocrinol Jpn** 1986 Apr; 33(2):197–202

Vasopressor substances in normal and abnormal pregnancy. Weir RJ. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(1–2):75–85 (49 ref.)

Plasma pregnancy specific beta 1–glycoprotein (SP1) in pregnancy. Raman L, et al. **Indian J Med Res** 1986 Aug; 84:223–6

Platelet dimensions in pregnancy–induced hypertension. Rosevear SK, et al. **NZ Med J** 1986 May 28;99(802):356–7

[Preliminary observation on the hemostatic function in pregnancy–induced hypertension] Hu YL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):268–71, 317 (Eng. Abstr.) **(Chi)**

[Determination of pregnancy plasma angiotensin II and aldosterone level in hypertensive states] Zheng XX. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):36–7, 62 (Eng. Abstr.) **(Chi)**

[Lupus anticoagulant in pregnancy] Kentenich H, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):467–9 (Eng. Abstr.) **(Ger)**

[Cellular bases of hypertension in pregnancy. IV. Longitudinal determination of intra–erythrocyte sodium in physiological and hypertension–complicated pregnancy] Tranquilli AL, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct;107(5):284–9 (Eng. Abstr.) **(Ita)**

[Intraerythrocytic sodium and hypertension in pregnancy] Tranquilli AL, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30; 62(10):1293–8 (Eng. Abstr.) **(Ita)**

[Possible correlations between the electrolyte picture and plasma levels of aldosterone in pregnancy complicated by hypertension] Mazzanti L, et al. **Recenti Prog Med** 1987 Apr;78(4):157–9 (Eng. Abstr.) **(Ita)**

[Studies on the significance of 17 alpha,20 alpha–dihydroxy–4–pregnen–3–one (17 alpha,20 alpha–P) in pregnancy induced hypertension (PIH) and its site of production] Satoh K. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May;39(5):731–8 (Eng. Abstr.) **(Jpn)**

[Hormonal function of the feto–placental system in different heart disease in pregnant women] Gaistruk AN, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):47–9 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Heparin–induced thrombocytopenia and recurrent thrombosis in pregnancy. A case report. Meytes D, et al. **J Reprod Med** 1986 Oct;31(10):993–6

Mesenteric venous thrombosis associated with pregnancy and oral contraception. A case report. Graubard ZG, et al. **S Afr Med J** 1987 Apr 4;71(7):453

CLASSIFICATION

[Classification of patients with heart diseases] Janku K. **Zentralbl Gynakol** 1986;108(24):1516–20 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Differentiation between eclampsia and cerebrovascular disorders by brain CT scan in pregnant patients with convulsive seizures. Eguchi K, et al. **Acta Med Okayama** 1987 Jun;41(3):117–24

Placental grading with ultrasound in hypertensive and normotensive pregnancies. A prospective, consecutive study. Montan S, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):477–80

Subchorionic hemorrhage: sonographic diagnosis and clinical significance. Abu–Yousef MM, et al. **AJR** 1987 Oct; 149(4):737–40

Detection of thrombotic obstruction of a Björk–Shiley prosthesis by Doppler echocardiography. Barzilai B, et al. **Am Heart J** 1986 Nov;112(5):1088–90

A classification of hypertension in pregnancy based on Doppler velocimetry. Ducey J, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):680–5

Spontaneous rupture of uteroovarian veins in pregnancy: two case reports. Foley MR, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):962–4

Assessment of fetomaternal hemorrhage with Kleihauer–Betke test [letter] Stonehill LL, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1146

Vasa praevia—antepartum haemorrhage with sinusoidal fetal heart pattern. Pun TC, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):68–9

Rupture of the sinus of Valsalva during pregnancy. Cripps T, et al. **Br Heart J** 1987 May;57(5):490–1

An unusual presentation of pulmonary thromboembolism in late pregnancy. Case report. Hussein IY, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1161–2

Which blood pressure? Seligman S. **Br J Obstet Gynaecol** 1987 Jun;94(6):497–8

Systematic monitoring program in high risk pregnancies. A report of 100 cases. Zhou ZL, et al. **Chin Med J [Engl]** 1986 Oct;99(10):847–9

In search of the true inception cohort. Ales KL, et al. **J Chronic Dis** 1987;40(9):881–5

Mitral valve prolapse. Echocardiographic changes during pregnancy. Rayburn WF, et al. **J Reprod Med** 1987 Mar; 32(3):185–7

Digoxin–like immunoreactive factor, corticotropin–releasing factor, and pregnancy [letter] Wolfe C, et al. **Lancet** 1987 Feb 7;1(8528):335–6

Arterial hypertension and pregnancy. Kuczyńska–Sicińska J. **Mater Med Pol** 1983 Jul–Dec;15(3–4):100–6

Qualitative assessment of uteroplacental blood flow: early screening test for high–risk pregnancies. Campbell S, et al. **Obstet Gynecol** 1986 Nov;68(5):649–53

Cardiovascular responses to isometric handgrip exercise: an invasive study in pregnancy–induced hypertension. Nisell H, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):339–43

Peripartum cardiomyopathy: two case reports and a review. Adler AK, et al. **Obstet Gynecol Surv** 1986 Nov; 41(11):675–82 (27 ref.)

Infarction of the omentum in pregnancy [letter] Leung R, et al. **South Med J** 1986 Dec;79(12):1597

[Takayasu syndrome in pregnancy: clinical analysis of 20 cases] Lu PJ. **Chung Hua Fu Chan Ko Tsa Chih** 1986 May; 21(3):136–8, 190 (Eng. Abstr.) **(Chi)**

[Acute spontaneous arterial subdural hematoma: a case report] You C, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):552–3, 574–5 (Eng. Abstr.) **(Chi)**

[Misleading symptoms of cerebral thrombophlebitis in pregnancy and the puerperium] Ruel M, et al. **Presse Med** 1986 Sep 13;15(29):1367–8 (Eng. Abstr.) **(Fre)**

[The Doppler in obstetrics: experience of the Baudelocque Clinic] Uzan M, et al. **Rev Fr Gynecol Obstet** 1987 Jan; 82(1):35–43 (Eng. Abstr.) **(Fre)**

[Heart diseases and pregnancy] Baur HR. **Ther Umsch** 1987 Jan;44(1):28–33 (Eng. Abstr.) **(Ger)**

[Diagnostic and therapeutic aspects of pelvic vein thrombosis in pregnancy] Löffler F, et al. **Zentralbl Gynakol** 1986; 108(17):1059–65 (Eng. Abstr.) **(Ger)**

[Prognosis of obstetrical hemorrhages in multiparous women] Mezinova NN, et al. **Akush Ginekol (Mosk)** 1987 Apr; (4):29–32 (Eng. Abstr.) **(Rus)**

[Spider nevi in pregnant women] Lazúr I. **Cas Lek Cesk** 1986 Aug 8;125(32):1007–10 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Effects of beta 1–adrenoceptor blockade in the treatment of hypertension during pregnancy in diabetic women. Olofsson P, et al. **Acta Med Scand** 1986;220(4):321–8

Therapy of non–preeclamptic hypertension in pregnancy. Redman CW. **Am J Kidney Dis** 1987 Apr;9(4):324–7 (13 ref.)

Drug prescribing for thromboembolic disease during pregnancy [letter] Greenspoon JS, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):784–5

Beneficial effects of U–63,557A, a thromboxane synthetase inhibitor, in an ovine model of pregnancy–induced hypertension. Keith JC Jr, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):199–203

The effect of hydralazine on placental perfusion in the spontaneously hypertensive rat. Lipshitz J, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):356–9

Effect of maternal magnesium sulfate treatment on fetal heart rate variability. Cañez MS, et al. **Am J Perinatol** 1987 Apr; 4(2):167–70

Some observations on the effects of a calcium channel blocker, nitrendipine, in early human pregnancy. Lawrence MR, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):683–92

Acute effects of nitrendipine in pregnancy–induced hypertension. Allen J, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):222–6

Beta blockers in pregnancy. Rubin PC.
Br J Obstet Gynaecol 1987 Apr;94(4):292–4
Anticoagulants. de Swiet M. **Br Med J** 1987 Feb 14; 294(6569):428–30
Treatment of cardiovascular diseases. Lees KR, et al.
Br Med J 1987 Feb 7;294(6568):358–60
Effects of amiodarone during pregnancy. Rey E, et al.
Can Med Assoc J 1987 May 1;136(9):959–60
The use of dihydralazine infusion in the management of severe hypertension in pregnancy. Moodley J, et al.
Cent Afr J Med 1986 Jun;32(6):145–7
The influence of pregnancy on drug action: concentration–effect modelling with propranolol. Rubin PC, et al. **Clin Sci** 1987 Jul;73(1):47–52
Management of cardiac arrhythmias during pregnancy. Current concepts. Rotmensch HH, et al. **Drugs** 1987 Jun; 33(6):623–33 (71 ref.)
Treatment of hypertension in pregnancy with methyldopa: a randomized double blind study. Weitz C, et al.
Int J Gynaecol Obstet 1987 Feb;25(1):35–40
Use of diltiazem during pregnancy [letter] Lubbe WF.
NZ Med J 1987 Feb 25;100(818):121
A comparative trial of labetalol and hydralazine in the acute management of severe hypertension complicating pregnancy. Mabie WC, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):328–33
Chondrodysplasia punctata after warfarin. Case report with 18–month follow–up. Tamburrini O, et al.
Pediatr Radiol 1987;17(4):323–4
Comparison of labetalol and dihydralazine in hypertensive emergencies of pregnancy. Ashe RG, et al.
S Afr Med J 1987 Mar 21;71(6):354–6
Skin necrosis as a complication of improperly administered subcutaneous heparin. Lim KB, et al. **Singapore Med J** 1986 Aug;27(4):356–7
[Clinical observations on the treatment of the gestational hypertension syndrome with Angelica and Paeonia powder] Guo TL, et al.
Chung Hsi I Chieh Ho Tsa Chih 1986 Dec;6(12):714–6, 707 (Eng. Abstr.) **(Chi)**
[Therapeutic drug monitoring of magnesium sulfate in the treatment of pregnancy–induced hypertension] Cong KJ.
Chung Hua Fu Chan Ko Tsa Chih 1987 Jan;22(1):27–31, 62 (Eng. Abstr.) **(Chi)**
[Clonidine and treatment of arterial hypertension in the pregnant female] Ng WL, et al. **Cah Anesthesiol** 1986 Aug–Sep;34(5):389–93 (Eng. Abstr.) **(Fre)**
[Clonidine and treatment of arterial hypertension in the pregnant woman] Ng–Wing Tin L, et al.
Rev Fr Gynecol Obstet 1986 Oct;81(10):563–6 (Eng. Abstr.) **(Fre)**
[Antihypertensive therapy in pregnancy] Kaulhausen H.
Arch Gynecol 1986;239(3–4):164–71 **(Ger)**
[Treatment of hypertension in pregnancy] Friedberg V.
Gynakologe 1986 Dec;19(4):195–7 **(Ger)**
[Indications for the use of mesoglycan in obstetrics and gynecology] Genazzani AR, et al. **Minerva Med** 1986 Oct 27;77(41):1945–8 **(Ita)**
[Effect of a traditional herbal medicine, tokishakuyakusan, on the fetal development of the spontaneously hypertensive rat] Kaibara M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1986 Nov; 38(11):2026–30 (Eng. Abstr.) **(Jpn)**
[Management of a severe hypertensive syndrome of pregnancy, in a base hospital] Oyarzún Ebensperger E, et al. **Rev Chil Obstet Ginecol** 1985;50(3):212–24 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Urinary kallikrein and kininase activity in normal and complicated by hypertension pregnancy. Moneta E, et al.
Adv Exp Med Biol 1986;198 Pt B:305–11
Urinary kallikrein activity in pregnant hypertensive rats. Salas SP, et al. **Adv Exp Med Biol** 1986;198 Pt B:297–303
Increased fetoplacental active renin production in pregnancy–induced hypertension. Brar HS, et al.
Am J Obstet Gynecol 1987 Aug;157(2):363–7
Angiotensin–converting enzyme activity in hypertensive subjects after magnesium sulfate therapy. Fuentes A, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1375–9
[Preliminary study of Na/K–ATPase activity in erythrocyte ghosts in pregnancy–induced hypertension] Tranquilli AL, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1299–304 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Congenital heart disease in pregnancy: short– and long–term implications [published erratum appears in Am J Obstet Gynecol 1987 May;156(5):1361] Shime J, et al.
Am J Obstet Gynecol 1987 Feb;156(2):313–22
A maternal death due to thrombotic disease associated with anticardiolipin antibody. Bendon RW, et al.
Arch Pathol Lab Med 1987 Apr;111(4):370–2
Ruptured chordae tendineae complicating pregnancy. A case report. Castillo RA, et al. **J Reprod Med** 1987 Feb; 32(2):137–9
Hypertension in pregnancy: a case discussion [clinical conference] Redman CW. **Kidney Int** 1987 Jul;32(1):151–60
Recurrent hematuria during multiple pregnancies. Danielli L, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):446–8
Spontaneous utero–ovarian vessel rupture during pregnancy: three case reports and a review of the literature. Ginsburg KA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):474–6
[An analysis of 125 cases with perinatal cardiomyopathy] Du X. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Nov; 21(6):337–9, 390 (Eng. Abstr.) **(Chi)**
[Acute thrombosis of a St. Jude Medical aortic prosthesis in a 4–months pregnant woman] Donzeau–Gouge P, et al.
Ann Chir 1986 Nov;40(8):548–50 (Eng. Abstr.) **(Fre)**
[Ruptured adenoma of the liver with severe pulmonary embolism discovered during a cesarean section] Aulagnier G, et al. **J Chir (Paris)** 1986 Nov;123(11):651–3 (Eng. Abstr.) **(Fre)**
[Subarachnoid hemorrhage in pregnancy] Reuteler C, et al.
Schweiz Med Wochenschr 1987 Jun 13;117(24):920–4 (Eng. Abstr.) **(Ger)**
[Submucous varicose veins of the lower uterine segment—a rare cause of pre– and postpartal hemorrhages] Wunsch M, et al. **Zentralbl Gynakol** 1986;108(17):1073–5 (Eng. Abstr.) **(Ger)**
[Headache and reproductive life] Martignoni E, et al.
Minerva Med 1987 Jul 31;78(14):967–70 **(Ita)**
[Varicose veins of the lower extremities in pregnancy] Vasiliuk MD, et al. **Sov Med** 1986;(9):70–3 (47 ref.) **(Rus)**

IMMUNOLOGY

The in vitro effect on arterial wall function of serum from patients with pregnancy–induced hypertension. Tulenko T, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):817–23
Platelet–binding immunoglobulins in pregnancy–induced hypertension. II. Origin of circulating IgG and IgM antiplatelet antibodies in the umbilical cord serum. Rote NS, et al. **J Reprod Immunol** 1987 Apr;10(4):273–84
Platelet–binding immunoglobulins in pregnancy–induced hypertension. I. Platelet–associated IgM on fetal platelets: evidence of a fetal autoimmune reaction? Rote NS, et al.
J Reprod Immunol 1987 Apr;10(4):261–72
[Cellular bases of hypertension in pregnancy. III. Immunologic factors. Review of the literature and methodological introduction to the study] Tranquilli AL, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):278–83 (Eng. Abstr.) **(Ita)**

METABOLISM

Plasma and amniotic fluid prostacyclin and thromboxane in mild pregnancy–induced hypertension. Brown HL, et al.
Am J Perinatol 1987 Apr;4(2):152–4
Decreased prostacyclin biosynthesis preceding the clinical manifestation of pregnancy–induced hypertension.
Fitzgerald DJ, et al. **Circulation** 1987 May;75(5):956–63
Analytical studies on fetal growth in feto–placento–maternal system. Sofoewan S, et al. **Kobe J Med Sci** 1986 Aug; 32(4):115–25
Pharmacokinetics of clonidine during pregnancy and nursing. Hartikainen–Sorri AL, et al. **Obstet Gynecol** 1987 Apr; 69(4):598–600
Altered angiotensin–prostanoid interactions in umbilical arteries in pregnancy–induced hypertension. Bjøro K, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:91–6
[Cellular bases of hypertension in pregnancy. I. Electrolytes and their regulation. Review of the literature and methodological introduction to the study] Tranquilli AL, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):258–68 (Eng. Abstr.) **(Ita)**
[Cellular bases of hypertension in pregnancy. II. Anatomical and humoral factors. Review of the literature and methodological introduction to the study] Tranquilli AL, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):269–77 (Eng. Abstr.) **(Ita)**
[Dynamics of calcium metabolism and calcium–regulating hormones in pregnancy–induced hypertension] Ohara N, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Aug 20; 62(8):882–96 (Eng. Abstr.) **(Jpn)**
[Various indices of iron metabolism in the mother–fetus–amniotic fluid–placenta system of healthy parturients and parturients with rheumatic heart lesions] Avakian ZA, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):61–2 **(Rus)**

MORTALITY

[Regional statistical analysis of peripartal mortality caused by cardiovascular diseases 1962–1984 in East Germany] Rothe J, et al. **Zentralbl Gynakol** 1987;109(2):98–107 (Eng. Abstr.) **(Ger)**

OCCURRENCE

A prospective study of hypertension in pregnancy at Harare Maternity Hospital. Crowther CA. **Cent Afr J Med** 1986 Aug;32(8):175–80
[Heart defects and pregnancy] Shulovich V, et al.
Akush Ginekol (Mosk) 1986 Oct;(10):65–6 **(Rus)**
[Arterial hypertension in pregnancy] Pelegrí A, et al.
Med Clin (Barc) 1987 Apr 26;88(16):613–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Idiopathic cardiomyopathies. A review of pathologic studies and mechanisms of pathogenesis. Gravanis MB, et al.
Arch Pathol Lab Med 1987 Oct;111(10):915–29
Inadequate maternal vascular response to placentation in pregnancies complicated by pre–eclampsia and by small–for–gestational age infants. Khong TY, et al.
Br J Obstet Gynaecol 1986 Oct;93(10):1049–59
Uteroplacental vascular pathology. Robertson WB, et al.
Eur J Obstet Gynecol Reprod Biol 1975;5(1–2):47–65
Peripartum cardiomyopathy [letter] **J Am Coll Cardiol** 1987 Apr;9(4):974
Splenic artery aneurysm rupture in pregnancy. A case report with both maternal and fetal survival. Donovitz GS, et al. **J Tenn Med Assoc** 1986 Oct;79(10):611–2
Hypertension in pregnancy complicated by cardiorespiratory and neurological impairment [clinical conference] Lowe S, et al. **Med J Aust** 1987 Feb 16;146(4):211–4
[Dissecting aneurysms of the aorta and coronary arteries in pregnancy] Bosse A, et al. **Pathologe** 1987 Jul;8(4):233–6 **(Ger)**
[Dissecting aneurysm—a rare but severe complication of pregnancy] Winkler U, et al. **Z Geburtshilfe Perinatol** 1987 Mar–Apr;191(2):76–9 (Eng. Abstr.) **(Ger)**
[The extrinsic lymphatic bed of the uterus and the extraembryonic organs in the gestational hypotensive syndrome (experimental–morphofunctional aspect)] Borodin IuI, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):70–2 **(Rus)**
[Hemorrhage from the root of the tongue of a pregnant woman with Rendu–Osler–Weber disease] Marusov AP, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):73–4 **(Rus)**
[Morphologic changes in the placenta in congenital heart defects and their effect on the status of newborn infants] Zadorozhnaia TD, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):60–1 **(Rus)**

PHYSIOPATHOLOGY

Effects of ANP during hypotensive haemorrhage in pregnant goats. Olsson K, et al. **Acta Physiol Scand** 1987 May; 130(1):169–71
Recovery of left ventricular function in peripartum cardiomyopathy. Hadjimiltiades S, et al. **Am Heart J** 1986 Nov;112(5):1097–9
Echocardiographic guidance of cardiac catheterization for atrial septal defect in pregnancy. Vidaillet HJ Jr, et al.
Am J Cardiol 1986 Nov 15;58(11):1133–4
Uteroplacental blood flow in the hypertensive, term pregnant, spontaneously hypertensive rat. Ahokas RA, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1010–5
The effect of carbohydrate overfeeding on blood pressure in the pregnant, spontaneously hypertensive rat. Ahokas RA, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1113–8
Experimental hypertension in pregnant sheep. III. Central hemodynamic alterations in the one–kidney model. Khoury A, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1231–6
Hemodynamic effects of caval and uterine venous occlusion in pregnant sheep. Lotgering FK, et al.
Am J Obstet Gynecol 1986 Dec;155(6):1164–70
Anesthetic management of cesarean section in a patient with idiopathic hypertrophic subaortic stenosis. Boccio RV, et al. **Anesthesiology** 1986 Dec;65(6):663–5
Invasive monitoring and anaesthetic management of a parturient with mitral stenosis. Hemmings GT, et al.
Can J Anaesth 1987 Mar;34(2):182–5
Role of prolactin in pregnancy hypertension. Marlettini MG, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):1099–119
Labor and delivery in the patient with structural cardiac disease. Clark SL. **Clin Perinatol** 1986 Dec;13(4):695–703 (21 ref.)
Venous tone in pregnancy–induced hypertension [letter] Duncan SL, et al. **Clin Sci** 1986 Sep;71(3):333–4
Fetal haemodynamics before and after treatment of maternal hypertension in pregnancy. Rasmussen K.
Dan Med Bull 1987 Jun;34(3):170–2
Foetal pulmonary maturation in pregnancy induced hypertension. Dhall K, et al. **Indian J Med Res** 1986 Jun; 83:584–6
Umbilical blood pressures and utero–placental blood flow in spontaneously hypertensive rats. Azar S, et al.
J Hypertens [Suppl] 1986 Oct;4(3):S369–71
Renin–angiotension–aldosterone system, urinary prostaglandins and kallikrein in pregnancy–induced hypertension: evidence for a dysregulation of the renin–angiotensin–prostacyclin loop. Fievet P, et al.
J Hypertens [Suppl] 1986 Dec;4(5):S88–91
Correlation between plasma renin activity and birth weight in hypertensive pregnancy. Taufield PA, et al.
J Hypertens [Suppl] 1986 Dec;4(5):S96–8
Fetal activity in pregnancies complicated by rheumatic heart disease. Simon A, et al. **J Perinat Med** 1986;14(5):331–4
Calcific constrictive pericarditis in pregnancy. A case report. Lessing JB, et al. **J Reprod Med** 1987 Jul;32(7):551–2
Rheological studies on patients with pregnancy–induced hypertension (PIH). Heilmann L. **Klin Wochenschr** 1986 Oct 15;64(20):1070–6
Hypertension in pregnancy. Maikranz P, et al.
Med Clin North Am 1987 Sep;71(5):1031–43 (63 ref.)
Efficacy of Doppler echocardiography in the evaluation of aortic stenosis during pregnancy. Rose BI, et al.
Obstet Gynecol 1987 Mar;69(3 Pt 2):431–2
Platelet function in pregnancy induced hypertension following treatment with labetalol and low dose aspirin. Greer IA, et al. **Thromb Res** 1987 May 15;46(4):607–11
[Hypertension in pregnancy and its effect on uteroplacental blood circulation] Rýznar V, et al. **Cesk Gynekol** 1987 May; 52(4):257–62 (Eng. Abstr.) **(Cze)**

[Doppler examination of the umbilical arteries. Its role in the surveillance of pregnancy] Giovagrandi Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(1):33–44 (Eng. Abstr.) **(Fre)**

[Study of peripheral resistance in pregnant women. Preliminary results] Rey E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(8):1043–8 (Eng. Abstr.) **(Fre)**

[Hypertension in pregnancy. Elements of physiopathology and their therapeutic consequences] Beaufils. **Union Med Can** 1987 Feb;116(2):suppl 15–6 **(Fre)**

[Is orthostatic circulatory regulation more difficult in multiple pregnancy? Results of a prospective longitudinal study] Bung P, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb; 191(1):1–6 (Eng. Abstr.) **(Ger)**

[Hypertension in pregnancy: physiopathologic aspects] Gava R, et al. **G Clin Med** 1987 Apr;68(4):237–43 **(Ita)**

[Prognostic value of the non-stress test in the presence of maternal hypertension in pregnancy] Genova M, et al. **Minerva Ginecol** 1986 Oct;38(10):783–91 (Eng. Abstr.) **(Ita)**

[Clinical significance of echocardiographic monitoring in pregnancies complicated by maternal hypertension] Rigon G, et al. **Minerva Ginecol** 1986 Oct;38(10):793–801 (Eng. Abstr.) **(Ita)**

[Pregnancy in patients with an artificial heart valve] Wlodarska EK, et al. **Kardiol Pol** 1987;30(2):120–6 **(Pol)**

[Features of the central and peripheral hemodynamics of pregnant women with heart lesions] Medvedev BI, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):35–8 (Eng. Abstr.) **(Rus)**

[Respiratory function in pregnant women with congenital heart defects] Zakrevskii AA, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):38–41 (Eng. Abstr.) **(Rus)**

[Echocardiographic evaluation of hemodynamics in patients with interatrial septal defect during pregnancy] Zatikian EP. **Ter Arkh** 1987;59(6):106–10 (Eng. Abstr.) **(Rus)**

[Myocardial function of pregnant patients with mitral stenosis] Dubovenko ZA. **Vrach Delo** 1986 Nov;(11):73–5 **(Rus)**

[Function of the vascular wall in pregnant women with rheumatism] Khomchenkova NI. **Vrach Delo** 1986 Sep; (9):12–5 (Eng. Abstr.) **(Rus)**

[Hypertrophic cardiomyopathy and pregnancy] Eggers G, et al. **Rev Med Chil** 1986 Nov;114(11):1058–61 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Pregnancies complicated by previous thromboembolic disease. Dixon JE. **Br J Hosp Med** 1987 May;37(5):449–52

Long-term ambulatory anticoagulation by constant subcutaneous heparin infusion in pregnancy. Case report. Rabinovici J, et al. **Br J Obstet Gynaecol** 1987 Jan; 94(1):89–91

Anticoagulation in pregnant women with artificial heart valves [letter] **N Engl J Med** 1987 Jun 25;316(26):1662–4

Risks of anticoagulant therapy in pregnant women with artificial heart valves. Iturbe-Alessio I, et al. **N Engl J Med** 1986 Nov 27;315(22):1390–3

RADIONUCLIDE IMAGING

Radionuclide venography in pregnancy. Dhekne RD, et al. **J Nucl Med** 1987 Aug;28(8):1290–3

REHABILITATION

[Rehabilitation of post-mitral commissurotomy patients during pregnancy] Korenevskaia IL, et al. **Sov Med** 1987; (2):73–6 **(Rus)**

SURGERY

Commissurotomy and pregnancy. A study of 245 cases. Matorras R, et al. **Acta Obstet Gynecol Scand** 1986; 65(8):847–52

Successful tricuspid valvulectomy without replacement for endocarditis during pregnancy. Schondelmeyer RW, et al. **Am Heart J** 1986 Oct;112(4):859–61

Uterine-umbilical velocimetry in open heart surgery. Farmakides G, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1221–2

The feasibility of closed mitral valvotomy in pregnancy. Vosloo S, et al. **J Thorac Cardiovasc Surg** 1987 May; 93(5):675–9

Peripartum cardiomyopathy [letter] Grace AA, et al. **Lancet** 1987 Sep 5;2(8558):575–6

[Anesthesiological care of female patients with cerebrovascular aneurysms in pregnancy] Schäffer J, et al. **Anasth Intensivther Notfallmed** 1987 Jun;22(3):145–8 (Eng. Abstr.) **(Ger)**

[Surgical tactics in pregnant women with acquired heart lesions] Frantsev VI, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):41–3 (Eng. Abstr.) **(Rus)**

[Dissecting aorta and pregnancy: apropos of a case (letter)] Fita G, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct; 33(5):372–3 **(Spa)**

[Aortic dissection and pregnancy] Mestres CA, et al. **Rev Esp Cardiol** 1987 May–Jun;40(3):212–5 (Eng. Abstr.) **(Spa)**

THERAPY

Cardiovascular problems in pregnancy. Raymond R, et al. **Cleve Clin J Med** 1987 Mar–Apr;54(2):95–104 (68 ref.)

Successful outcome of pregnancy in a subfertile patient with severe aortoarteritis (Takayasu's disease). Chua S, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):249–53

Management of hypertension in early pregnancy [clinical conference] Meeks GR, et al. **J Miss State Med Assoc** 1986 Dec;27(12):317–20

Uncontrollable intraabdominal hemorrhage treated with packing and use of a MAST suit. A case report. Guerre EF Jr, et al. **J Reprod Med** 1987 Mar;32(3):230–2

Long term management of pregnancy in a comatose patient. Diamond MP, et al. **J Tenn Med Assoc** 1986 Sep; 79(9):557–8

Transcatheter embolization for the rupture of congenital arteriovenous malformation of the kidney in pregnancy. Saito S, et al. **J Urol** 1987 May;137(5):964–5

Pregnancy with an artificial pacemaker. Jaffe R, et al. **Obstet Gynecol Surv** 1987 Mar;42(3):137–9 (26 ref.)

Permanent pacemaker implantation in a pregnant woman with the guidance of ECG and two-dimensional echocardiography. Güdal M, et al. **PACE** 1987 May;10(3 Pt 1):543–5

Clinical and endocrinological effects of intermittent abdominal decompression in complications of pregnancy. MacRae DJ, et al. **S Afr Med J** 1972 Jul 22;46(30):1027–33

[Varices and pregnancy] Boivin P, et al. **J Mal Vasc** 1987; 12(2):218–21 (Eng. Abstr.) **(Fre)**

[Treatment of thrombosis in pregnancy] Astedt B. **Zentralbl Gynakol** 1986;108(13):777–82 (Eng. Abstr.) **(Ger)**

[Heart disease and pregnancy—results of consequent interdisciplinary management] Mühlbach F, et al. **Zentralbl Gynakol** 1987;109(6):347–52 (Eng. Abstr.) **(Ger)**

[Management of the clinical aspects of hypertension in prenatal consultation] Leal Tijerina G, et al. **Ginecol Obstet Mex** 1986 Sep;54:225–31 (Eng. Abstr.) **(Spa)**

URINE

Urinary 19-nor-deoxycorticosterone and deoxycorticosterone in hypertensive disease of pregnancy. Shah DM, et al. **Am J Perinatol** 1987 Apr;4(2):102–5

Urinary kallikrein excretion in normal and hypertensive pregnancy at term. Sipilä R, et al. **Ann Clin Res** 1986; 18(4):208–10

Urinary pregnandiol-3-glucuronide and estrone conjugates to creatinine ratios in early pregnancies complicated by vaginal bleeding. Davidson BJ. **Fertil Steril** 1986 Oct; 46(4):610–4

VETERINARY

Atrial fibrillation in a pregnant mare: treatment with quinidine sulfate. Bertone JJ, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1565–6

PREGNANCY COMPLICATIONS, HEMATOLOGIC

Kell sensitization in pregnancy [letter] Bowman JM. **Am J Obstet Gynecol** 1986 Oct;155(4):912–4

Discordant fetal platelet counts in a twin gestation complicated by idiopathic thrombocytopenic purpura. Moise KJ Jr, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1141–2

Intraoperative death during caesarian section in a patient with sickle-cell trait. The Anaesthesia Advisory Committee to the Chief Coroner of Ontario. **Can J Anaesth** 1987 Jan; 34(1):67–70

Acute management of sickle cell crisis in pregnancy. Martin JN Jr, et al. **Clin Perinatol** 1986 Dec;13(4):853–68 (90 ref.)

Thromboembolic disease in pregnancy. Rutherford SE, et al. **Clin Perinatol** 1986 Dec;13(4):719–39 (74 ref.)

The obstetric patient and disseminated intravascular coagulation. Weiner CP. **Clin Perinatol** 1986 Dec; 13(4):705–17 (51 ref.)

A pregnant woman with severe epistaxis—a rare manifestation of folic acid deficiency. Poelmann AM, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov; 23(3–4):249–54

Pregnancy complicated by immune thrombocytopenic purpura. White R. **Ir Med J** 1987 Mar;80(3):97

The effects of maternal anemia on infant behavior. Vaughn J, et al. **J Natl Med Assoc** 1986 Oct;78(10):963–8

Paroxysmal nocturnal haemoglobinuria and pregnancy [letter] Beresford CH, et al. **Lancet** 1986 Dec 13; 2(8520):1396–7

Paroxysmal nocturnal haemoglobinuria and pregnancy [letter] De Gramont A, et al. **Lancet** 1987 Apr 11; 1(8537):868

Assessment of possible drug-resistant Plasmodium falciparum in a pregnant traveller with sickle cell disease [letter] Greenberg AE, et al. **Lancet** 1987 Feb 21;1(8530):454–5

Decreased birth weight and femur length in fetuses of patients with the sickle-cell trait [letter] Pritchard JA. **Obstet Gynecol** 1987 Feb;69(2):284

Von Willebrand's disease in pregnancy. A case report. Sadan O, et al. **S Afr Med J** 1987 Apr 4;71(7):455–6

Twin pregnancy and parturition in a patient with the Bernard Soulier syndrome. Heslop HE, et al. **Scand J Haematol** 1986 Jul;37(1):71–3

[Clinical analysis of 14 cases of obstetrical disseminated intravascular coagulation] Dong SY. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):38–40, 63 (Eng. Abstr.) **(Chi)**

[Fetal anemia] van Huisseling JC, et al. **Ned Tijdschr Geneeskd** 1986 Aug 9;130(32):1425–8 **(Dut)**

[Major drepanocytosis and fertility] Mounanga M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):773–8 (Eng. Abstr.) **(Fre)**

[Neonatal thrombocytopenia in infants of mothers with ITP] Aceti G, et al. **Minerva Ginecol** 1986 Nov;38(11):911–3 (Eng. Abstr.) **(Ita)**

[Evaluation of iron-deficiency anemia in pregnancy] Grio R, et al. **Minerva Ginecol** 1986 Nov;38(11):869–71 (Eng. Abstr.) **(Ita)**

BLOOD

Observations on bleeding in pregnancy. Messer RH. **Am J Obstet Gynecol** 1987 Jun;156(6):1419–20

Blood coagulation: a review. Newland JR. **Am J Obstet Gynecol** 1987 Jun;156(6):1420–2

Bleeding. Rigby PG. **Am J Obstet Gynecol** 1987 Jun; 156(6):1422–5

The serum and red cell folate levels in pregnant women in Beijing. Zhang A, et al. **Chin Med J [Engl]** 1986 Nov; 99(11):899–902

Fetal death: coagulation defects and management. Report of 20 cases with study of the half-life of [125I]fibrinogen. Dubuisson JB, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):147–58

Comparison of protoporphyrin haem ratio in capillary & venous blood. Singh UR, et al. **Indian J Med Res** 1986 Nov;84:559–61

On a case with high hypercoagulability during a pregnancy (previous DVT and spontaneous miscarriages) treated with success. Andreozzi GM, et al. **Panminerva Med** 1987 Jan–Mar;29(1):49–52

Reacting appropriately to thrombocytopenia in pregnancy. Nagey DA, et al. **South Med J** 1986 Nov;79(11):1385–8

[Lipoproteins in labor. Qualitative and quantitative studies in mother and child] Brockerhoff P, et al. **Gynakol Rundsch** 1987;27(1):10–21 (Eng. Abstr.) **(Ger)**

[Iron and transferrin metabolism in physiologic pregnancy and pregnancy complicated by anemia] Dzhabbarova IuK, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):13–5 **(Rus)**

[Hormonal function of the feto-placental system in iron-deficiency anemia in pregnant women] Gaistruk AN, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):41–3 (Eng. Abstr.) **(Rus)**

[Relation between erythrocyte saturation with vitamins B2 and B6 in anemic patients and degree of cell maturity] Chernyshov VG, et al. **Lab Delo** 1987;(3):211–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Heparin-induced thrombocytopenia in pregnancy [letter] Copplestone A, et al. **Br J Haematol** 1987 Feb;65(2):248

Heparin-induced thrombocytopenia and recurrent thrombosis in pregnancy. A case report. Meytes D, et al. **J Reprod Med** 1986 Oct;31(10):993–6

DIAGNOSIS

Red blood cell zinc protoporphyrin testing for iron-deficiency anemia in pregnancy. Schifman RB, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):304–7

An improved acidified glycerol lysis test (AGLT) used to detect spherocytes in pregnancy. Acharya J, et al. **Br J Haematol** 1987 Mar;65(3):343–5

Hemoglobin E in Indiana. Bloch T, et al. **Indiana Med** 1987 Apr;80(4):354–7

Toward the early diagnosis of the HELLP syndrome in the community hospital. Kelch BP, et al. **J Am Osteopath Assoc** 1987 Jun;87(6):431–6

Ultrasonic B-scanning in rhesus incompatibility. Jones MR. **JCU** 1974 Sep;2(3):185–90

Ultrasound evaluation of pregnancies at risk for homozygous alpha-thalassaemia-1. Ghosh A, et al. **Prenat Diagn** 1987 Jun;7(5):307–13

[Autoimmune thrombopenia and pregnancy. Value of counting scalp platelets] Fernandez H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):923–7 (Eng. Abstr.) **(Fre)**

[Thrombosis, embolism, intravascular coagulation in pregnancy] Marbet GA. **Ther Umsch** 1987 Jan;44(1):39–47 (Eng. Abstr.) **(Ger)**

[Early detection and incidence of iron deficiency in pregnancy] Wagner HA, et al. **Z Geburtshilfe Perinatol** 1986 Jul–Aug;190(4):162–7 (Eng. Abstr.) **(Ger)**

[Acute blood coagulation disorders in pregnancy—changing patterns in the disease picture] Beller FK. **Zentralbl Gynakol** 1987;109(3):145–51 (Eng. Abstr.) **(Ger)**

[Blood clot observation test] Hummel L. **Zentralbl Gynakol** 1987;109(6):373–4 (Eng. Abstr.) **(Ger)**

[Sideroachrestic anemia in pregnancy] Röse K, et al. **Zentralbl Gynakol** 1987;109(6):375–7 **(Ger)**

[EDTA-dependent pseudothrombocytopenia] Nakamura Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2112–4 **(Jpn)**

[The role of rapid methods of testing the hemostatic system in obstetrics, gynecology and perinatology] Brilliantova SA. **Akush Ginekol (Mosk)** 1986 Dec;(12):67–71 **(Rus)**

[Differential diagnosis of hemorrhagic syndromes caused by pathologic hemostasis in obstetrico-gynecologic practice (clinical lecture)] Makatsariia AD, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):8–12 **(Rus)**

DRUG THERAPY

Successful treatment of a steroid-resistant form of idiopathic thrombocytopenic purpura in pregnancy with high doses of intravenous immunoglobulins. Fabris P, et al. **Acta Haematol (Basel)** 1987;77(2):107–10

Use of anticoagulants in pregnancy. **Drug Ther Bull** 1987 Jan 12;25(1):1–4

Clinical evaluation of antithrombin III concentrate (BI 6.013) for disseminated intravascular coagulation in obstetrics. Well-controlled multicenter trial. Maki M, et al. **Gynecol Obstet Invest** 1987;23(4):230–40

Successful pregnancy after pharmacologic suppression of a circulating anticoagulant in a woman with previous pregnancy losses and pulmonary emboli. A case report. Isada N, et al. **J Reprod Med** 1987 Mar;32(3):221–4

Ambulatory management of thromboembolic disease during pregnancy with continuous infusion of heparin. Brabeck MC. **JAMA** 1987 Apr 3;257(13):1790–1

[Multiple fetal losses caused by a circulating anticoagulant. Correction with a combination of aspirin and corticotherapy (letter)] Gancel A, et al. **Presse Med** 1986 Sep 20;15(30):1426–7 **(Fre)**

[Diagnosis and therapy of iron deficiency anemia in pregnancy] Peiker G, et al. **Zentralbl Gynakol** 1986; 108(24):1487–92 (Eng. Abstr.) **(Ger)**

[New aspects in the therapy of thrombosis and prevention of recurrence in pregnancy] Voigt T, et al. **Zentralbl Gynakol** 1987;109(3):169–72 (Eng. Abstr.) **(Ger)**

[Iron administration in pregnancy—general prevention or indicated therapy] Winkler UH. **Zentralbl Gynakol** 1987; 109(6):369–72 (Eng. Abstr.) **(Ger)**

[Teratogenic effect of coumarins] Zipprich K, et al. **Zentralbl Gynakol** 1987;109(6):364–8 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Placental oxidative enzymes in pregnancy anaemia. Singla PN, et al. **Indian J Med Res** 1987 Feb;85:176–80

ETIOLOGY

Adrenal hemangioblastoma in Von Hippel–Lindau disease as a cause of secondary erythrocytosis. Burns C, et al. **Am J Med Sci** 1987 Feb;293(2):119–21

Mechanistic studies of early pregnancy associated thrombocytopenia (EPAT) in the mouse. Adamson LM, et al. **Am J Reprod Immunol Microbiol** 1987 Apr; 13(4):117–20

Thrombocytopenia associated with pregnancy in a patient with type IIB von Willebrand's disease. Rick ME, et al. **Blood** 1987 Mar;69(3):786–9

Nutritional anaemia in pregnant Beninese women: consequences on the haematological profile of the newborn. Hercberg S, et al. **Br J Nutr** 1987 Mar; 57(2):185–93

Biological and behavioral contributors to anemia during pregnancy in Liberia, West Africa. Jackson RT, et al. **Hum Biol** 1987 Aug;59(4):585–97

Etiology of maternal and early childhood deficiency anemia. Agarwal DK, et al. **Indian J Pediatr** 1986 May–Jun; 53(3):389–95

Association of embolic stroke in pregnancy with the lupus anticoagulant. A case report. Wilson JJ, et al. **J Reprod Med** 1986 Aug;31(8):725–8

Thrombosis of a mechanical valve prosthesis late in pregnancy. Case report and review of the literature. González-Santos JM, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):335–7

[A case of hemolytic anemia associated with pregnancy] Balocco G, et al. **Minerva Ginecol** 1987 Apr;39(4):261–5 (Eng. Abstr.) **(Ita)**

[Features of the pathogenesis of anemia in pregnant women with pyelonephritis] Genkin LIu, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):35–8 (Eng. Abstr.) **(Rus)**

[Placenta praevia, placenta accreta and disseminated intravascular coagulation (letter)] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):454–5 **(Spa)**

FAMILIAL & GENETIC

Discordance in a pair of identical twin carriers of factor IX deficiency. Kitchens CS. **Am J Hematol** 1987 Feb; 24(2):225–8

Factor XI deficiency presenting as hemarthrosis during pregnancy. Musclow CE, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):178–9

May–Hegglin anomaly in pregnancy. A case report. Landy HJ, et al. **J Reprod Med** 1987 Apr;32(4):309–12

IMMUNOLOGY

Immune thrombocytopenia: effects of maternal gamma globulin infusion on maternal and fetal serum, platelet, and monocyte IgG. Barton JC, et al. **Am J Med Sci** 1987 Feb; 293(2):112–8

Heparin-associated antibody with pregnancy: discussion of two cases. Calhoun BC, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):964–6

The significance of anti-c alloimmunization in pregnancy. Bowell PJ, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1044–8

Blood group antibody screening tests during pregnancy. Bowell PJ, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1038–43

Fetal and maternal uteroplacental leucocytes in aplastic anaemia. Case report. Spearing R, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1163–5

Co-incidental Von Willebrands disease and immune thrombocytopenia in pregnancy: treatment with high dose intravenous immunoglobulin. Maharaj D, et al. **Clin Lab Haematol** 1986;8(3):227–31

METABOLISM

Effects of maternal anemia on uteroplacental and fetal oxidative metabolism in sheep. Paulone ME, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):230–6

Potassium homeostasis in pregnancy. Lindheimer MD, et al. **J Reprod Med** 1987 Jul;32(7):517–22

OCCURRENCE

Anemia of pregnancy in Niger, West Africa: a prevalence study. Gyssens IC, et al. **Ann Soc Belg Med Trop** 1986 Sep;66(3):257–64

Anaemia and blood requirements during pregnancy in patients from Guinea Savanna of north of Nigeria. Kulkarni AG. **East Afr Med J** 1987 Jan;64(1):65–70

Serum ferritin levels and their significance in normal full-term pregnant women. Ho CH, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):291–5

A survey of haemoglobin concentration in pregnancy in Port Moresby, Papua New Guinea. Sill PR, et al. **Papua New Guinea Med J** 1986 Sep;29(3):221–4

Anaemia of pregnancy in Mozambique. Liljestrand J, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):249–55

PATHOLOGY

Erythroblast multinuclearity in bone marrow and spleen. Congenital dyserythropoietic anemia-like abnormalities without functional evidence of dyserythropoiesis. Lillicrap DP, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):536–9

PHYSIOPATHOLOGY

Essential thrombocythemia associated with recurrent abortions and fetal growth retardation. Falconer J, et al. **Am J Hematol** 1987 Jul;25(3):345–7

Thrombotic microangiopathy in pregnancy and the postpartum period. Weiner CP. **Semin Hematol** 1987 Apr; 24(2):119–29 (99 ref.)

[Effect of busulfan-treated granulocytic leukemia on pregnancy, labor and the somatic condition of the newborn infant] Szmigiel Z, et al. **Przegl Lek** 1986;43(9):632–4 **(Pol)**

[Functional assessment of the myocardium in anemia in pregnant women (echocardiographic research)] Gorenbaum VS. **Akush Ginekol (Mosk)** 1986 Aug;(8):55–7 **(Rus)**

PREVENTION & CONTROL

Use of the Greenfield filter for thromboembolic disease in pregnancy. Hux CH, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):734–7

Total dose iron infusion, malaria and pregnancy in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):818–22

[Prevention of thromboembolism with low-molecular weight heparin in pregnancy] Harenberg J, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):15–8 (Eng. Abstr.) **(Ger)**

[Complex prevention of iron-deficiency anemia in the mother and child in operationally-consolidated ambulatory and polyclinic institutions] Shiliaev RR, et al. **Pediatriia** 1986 Sep;(9):48–9 **(Rus)**

THERAPY

Conservative management of a severely Rh-sensitized pregnancy. Shah DM, et al. **Am J Obstet Gynecol** 1987 May;156(5):1189–90

Successful pregnancy in a woman with congenital factor XIII deficiency treated with substitutive therapy. Report of a second case. Rodeghiero F, et al. **Blut** 1987 Jul;55(1):45–8

Prophylactic blood transfusion in maternal sickle cell syndromes. Tuck SM, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):121–5

Pregnancy associated with both insulin-dependent diabetes mellitus and sickle cell disease. A report of two cases. Miodovnik M, et al. **J Reprod Med** 1987 Apr;32(4):317–9

Successful pregnancy outcome using total parenteral nutrition from the first trimester of pregnancy. Lipkin EW, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec; 10(6):665–9

Management of isoimmunized pregnancy [letter] **N Engl J Med** 1987 Jan 15;316(3):165–6

Frequency of pain crisis during pregnancy. Koshy M, et al. **Prog Clin Biol Res** 1987;240:305–11

[Idiopathic thrombocytopenic purpura in pregnancy] Christiaens GC, et al. **Ned Tijdschr Geneeskd** 1987 Apr 18;131(16):659–63 **(Dut)**

[Autoimmune thrombocytopenia and pregnancy] Paniel BJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(1):17–26 (Eng. Abstr.) **(Fre)**

[Successful delivery in a female with thrombotic thrombocytopenic purpura] Koyama T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1934–7 (Eng. Abstr.) **(Jpn)**

[Prevention and treatment of hemorrhagic shock in massive obstetric hemorrhage] Rubanovich GL, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):12–4 (Eng. Abstr.) **(Rus)**

[Severe thrombocytopenia in a pregnant patient with systemic lupus erythematosus (letter)] Molina Boix M, et al. **Med Clin (Barc)** 1986 Oct 4;87(10):435 **(Spa)**

PREGNANCY COMPLICATIONS, INFECTIOUS

Prognosis of chronic hepatitis B transmitted from HBsAg positive mothers. Bortolotti F, et al. **Arch Dis Child** 1987 Feb;62(2):201–3

HIV infection and AIDS in newborn babies of mothers positive for HIV antibody. Semprini AE, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):610

Clinicopathological study of fulminant hepatitis: coinfection with hepatitis B virus and delta agent. Krajden S, et al. **Can Med Assoc J** 1986 Dec 1;135(11):1282–5

Some specific infections in obstetric and gynaecological practice, with considerations of therapy. **Clin Exp Obstet Gynecol** 1986;13(3–4):59–172

Actinomyces invasion of placenta as a possible cause of preterm delivery. Zakut H, et al. **Clin Exp Obstet Gynecol** 1987;14(2):89–91

Infectious causes of recurrent pregnancy loss. Byrn FW, et al. **Clin Obstet Gynecol** 1986 Dec;29(4):925–40 (104 ref.)

Septic shock in obstetrics. Gonik B. **Clin Perinatol** 1986 Dec; 13(4):741–54 (51 ref.)

A case of listeriosis in pregnancy with fetal survival. Solomon F, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr; 8(2):103–4

Pregnancy and HTLVIII/LAV transmission in heroin users. Robertson JR, et al. **Health Bull (Edinb)** 1986 Nov; 44(6):364–6

Maternal and fetal outcome of viral hepatitis during pregnancy. Gupta ML, et al. **Indian Pediatr** 1986 Nov; 23(11):911–4

Congenital infections: a prospective study. Coffey V, et al. **Ir Med J** 1987 Jun;80(6):169–72

Fetal outcome following primary herpetic gingivostomatitis in early pregnancy. Morphological study and updated appraisal. Granat M, et al. **Isr J Med Sci** 1986 Jun; 22(6):455–9

Genital herpes simplex at term necessitating cesarean section. Kikuchi I. **J Dermatol (Tokyo)** 1986 Jun;13(3):228–9

Unsuspected streptococcal infection presenting with diarrhoea in late pregnancy [letter] Teall A, et al. **J Infect** 1987 Mar;14(2):185–6

Pyelonephritis and sepsis due to Staphylococcus saprophyticus [letter] Lee W, et al. **J Infect Dis** 1987 May; 155(5):1079–80

Perinatal transmission of coxsackievirus B3 in mice. Modlin JF, et al. **J Infect Dis** 1987 Jul;156(1):21–5

Fetal varicella syndrome. Alkalay AL, et al. **J Pediatr** 1987 Sep;111(3):320–3

Intrauterine herpes simplex virus infections. Hutto C, et al. **J Pediatr** 1987 Jan;110(1):97–101

Herpesvirus hominis (HVH) infection in women with preterm labor. Bujko M, et al. **J Perinat Med** 1986; 14(5):319–24

Fetal viral myocarditis and congenital complete heart block in a pregnancy complicated by systemic lupus erythematosus. A case report. Repke JT, et al. **J Reprod Med** 1987 Mar;32(3):217–20

Chorionic mycoplasmas and prematurity. Zlatnik FJ, et al. **J Reprod Med** 1986 Dec;31(12):1106–8

Low birth weight, prematurity, and postpartum endometritis. Association with prenatal cervical Mycoplasma hominis and Chlamydia trachomatis infections. Berman SM, et al. **JAMA** 1987 Mar 6;257(9):1189–94

A mass vaccination program in Taiwan against hepatitis B virus infection in infants of hepatitis B surface antigen-carrier mothers. Chen DS, et al. **JAMA** 1987 May 15;257(19):2597–603

The CDC and abortion in HIV-positive women [letter] Grimes DA. **JAMA** 1987 Sep 4;258(9):1176

Counseling the HIV-positive woman regarding pregnancy [letter] Hecht F. **JAMA** 1987 Jun 26;257(24):3361

Yeast-recombinant hepatitis B vaccine. Efficacy with hepatitis B immune globulin in prevention of perinatal hepatitis B virus transmission. Stevens CE, et al. **JAMA** 1987 May 15;257(19):2612–6

Maternal serum alpha-fetoprotein—a marker of fetal aplastic crisis during intrauterine human parvovirus infection. Carrington D, et al. **Lancet** 1987 Feb 21;1(8530):433–5

AIDS and obstetrics [letter] Hudson CN. **Lancet** 1987 Feb 14;1(8529):388

Maternal rubella after 18 weeks [letter] Lenke RR. **Lancet** 1987 Sep 19;2(8560):690

Temporal relations between maternal rubella and congenital defects. Munro ND, et al. **Lancet** 1987 Jul 25;2(8552):201–4
Possible role of pestiviruses in microcephaly [letter] Potts BJ, et al. **Lancet** 1987 Apr 25;1(8539):972–3
Parvovirus B19 associated with fetal abnormality [letter] Weiland HT, et al. **Lancet** 1987 Mar 21;1(8534):682–3
Mother to newborn and infant transmission of hepatitis B infections. How VJ. **Malays J Pathol** 1985 Aug;7:11–6
Varicella–zoster infection in pregnancy [letter] **N Engl J Med** 1986 Nov 27;315(22):1415–7
Low risk of herpes simplex virus infections in neonates exposed to the virus at the time of vaginal delivery to mothers with recurrent genital herpes simplex virus infections. Prober CG, et al. **N Engl J Med** 1987 Jan 29; 316(5):240–4
Herpes simplex encephalitis in third trimester of pregnancy: successful outcome for mother and child. Hankey GJ, et al. **Neurology** 1987 Sep;37(9):1534–7
Infantile herpes zoster ophthalmicus and acute hemiparesis following intrauterine chickenpox. Leis AA, et al. **Neurology** 1987 Sep;37(9):1537–8
Maternal and fetal mortality in acquired immunodeficiency syndrome. Antoine C, et al. **NY State J Med** 1986 Aug; 86(8):443–5
Varicella–zoster virus infections during pregnancy: hypothesis concerning the mechanisms of congenital malformations. Higa K, et al. **Obstet Gynecol** 1987 Feb; 69(2):214–22 (95 ref.)
Bilharzial salpingitis and ectopic tubal pregnancy [letter] Graubard Z, et al. **S Afr Med J** 1987 Apr 18;71(8):537
Transverse myelitis caused by schistosomiasis during pregnancy. A case report. Truter PJ, et al. **S Afr Med J** 1987 Feb 7;71(3):184–5
Pregnancy and brucellosis. Kelly RT, et al. **Tex Med** 1987 May;83(5):39–41
Plague in a pregnant patient. Wong TW. **Trop Doct** 1986 Oct;16(4):187–9
[The study of transmission of HBV in utero] Li L. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 May; 20(3):132–3 (Eng. Abstr.) **(Chi)**
[A long–term sero–epidemiological survey on mother–infant transmission of hepatitis B viruses] Pan ZQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep; 20(5):269–71 (Eng. Abstr.) **(Chi)**
[A study on the transmission of hepatitis B virus from mother to newborn infant] Sha QH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):264–6 (Eng. Abstr.) **(Chi)**
[Prevention of vertical transmission of HBV infection to the fetus from the mother by HBIG and hepatitis B vaccine] Ye MJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep;17(3):212–5 (Eng. Abstr.) **(Chi)**
[Puerperal sepsis] Holub Z, et al. **Cesk Gynekol** 1986 Aug; 51(7):552–5 **(Cze)**
[Herpes gestationis] Lacour JP. **Ann Dermatol Venereol** 1986; 113(9):861–3 **(Fre)**
[Chickenpox and pregnancy. Perinatal aspects and prevention] Haddad J, et al. **Arch Fr Pediatr** 1987 May; 44(5):339–42 (Eng. Abstr.) **(Fre)**
[Maternal–fetal and neonatal syphilis] Lejeune C, et al. **Arch Fr Pediatr** 1986 Nov;43(9):731–40 (173 ref.) **(Fre)**
[Congenital toxoplasmosis with eye lesions occurring in women with monitored pregnancy] Comte P, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):459–62, 464 **(Fre)**
[Transmission of the human immunodeficiency virus from mother to child (letter)] Berrebi A, et al. **Presse Med** 1987 Jun 6;16(21):1058 **(Fre)**
[Malaria and pregnancy] Bourée P, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):559–62 (27 ref.) (Eng. Abstr.) **(Fre)**
[Fetal risk in viral hepatitis. Reflections and management of a case of death in utero in a patient with viral hepatitis A] du Rouchet E, et al. **Rev Fr Gynecol Obstet** 1987 Jan; 82(1):61–5 (Eng. Abstr.) **(Fre)**
[Combined passive and active immunization for preventing the development of the infantile carrier state in hepatitis B virus vertical transmission] Ijichi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):263–70 (Eng. Abstr.) **(Jpn)**
[Rubella in pregnancy] Jenum PA, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17–18):1538–41 (Eng. Abstr.) **(Nor)**
[Varicella–zoster virus infections in pregnant women and their newborn infants] Myrmel H, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):247–8, 250 (Eng. Abstr.) **(Nor)**
[HIV transmitted in the perinatal period] Saugstad OD. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):562–4 **(Nor)**
[Malaria and pregnancy] Segurado AA, et al. **Rev Paul Med** 1986 Nov–Dec;104(6):311–4 (Eng. Abstr.) **(Por)**
[Nosologic and morphofunctional characteristics of the lungs of fetuses and newborn infants with mothers having extragenital chronic inflammatory diseases] Bubnova NI. **Akush Ginekol (Mosk)** 1987 Feb;(2):57–9 (Eng. Abstr.) **(Rus)**
[Clinical picture and treatment of pneumonia in full–term newborn infants during the 1st days of life] Levitskaia SK, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):63–4 **(Rus)**
[Viruses and pregnancy] Calicó I. **Med Clin (Barc)** 1987 Jan 31;88(4):147–9 **(Spa)**
[Prevention of the maternofilial transmission of the human immunodeficiency virus (letter)] Leal M, et al. **Med Clin (Barc)** 1987 Jun 6;89(2):83–4 **(Spa)**
[Acquired immunodeficiency syndrome. Gyneco–obstetrical aspects] Bernal J. **Rev Chil Obstet Ginecol** 1985;50(2):150–4 (Eng. Abstr.) **(Spa)**

BLOOD

Effect of encephalomyocarditis (EMC) virus on murine foetal and placental growth monitored by quantification of maternal plasma levels of pregnancy–associated murine protein–2 and alpha–fetoprotein. Hau J, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):339–42
C–reactive protein as a predictor of fetal and maternal infective morbidity and fetal mortality. de Souza JJ, et al. **S Afr Med J** 1987 Jun 6;71(11):690–2

DIAGNOSIS

Herpes gestationis. Jørgensen EH, et al. **Acta Obstet Gynecol Scand** 1987;66(2):175–7
Typhoid fever in pregnancy. Case report and review of the literature. Sadan O, et al. **Acta Obstet Gynecol Scand** 1986; 65(7):807–9
Prevention of perinatal transmission of hepatitis B virus: the sensitivity, specificity, and predictive value of the recommended screening questions to detect high–risk women in an obstetric population. McQuillan GM, et al. **Am J Epidemiol** 1987 Sep;126(3):484–91
Vaginal gram stain as an immediate detector of group B streptococci in selected obstetric patients. Feld SM, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):446–8
Isolation of acquired immunodeficiency syndrome virus from the placenta. Hill WC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):10–1
Chlamydia trachomatis infection among patients undergoing chorionic villus sampling. Moncada JV, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):915–6
Prevention of neonatal group B streptococcal sepsis by the use of a rapid screening test and selective intrapartum chemoprophylaxis. Morales WJ, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):979–83
Office diagnosis of asymptomatic bacteriuria in pregnant women. Van Dorsten JP, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):777–80
Should all pregnant women be screened for hepatitis B? Kumar ML, et al. **Ann Intern Med** 1987 Sep;107(3):273–7
Perinatal hepatitis B virus infection: screening of pregnant women and protection of the infant. Stevens CE. **Ann Intern Med** 1987 Sep;107(3):412–3
The significance of AIDS in obstetric practice. Forbes PB. **Br J Hosp Med** 1986 Nov;36(5):342–6
An abdominal pregnancy with infected gestational sac. Kifle G. **Ethiop Med J** 1987 Jan;25(1):41–3
Perinatal infections: frequently asked questions. Gaebler JW, et al. **Indiana Med** 1987 Apr;80(4):323–5
Relationship of vaginal pH and Papanicolaou smear results to vaginal flora and pregnancy outcome. Minkoff H, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):17–23
Lim group B Strep Broth and coagglutination for rapid identification of group B streptococci in preterm pregnant women. Lim DV, et al. **J Clin Microbiol** 1987 Feb; 25(2):452–3
Diagnosis of chlamydial infection in women attending antenatal and gynecologic clinics. Smith JW, et al. **J Clin Microbiol** 1987 May;25(5):868–72
Routine screening considered to end perinatal hepatitis transmission [news] Marwick C. **JAMA** 1987 Apr 17; 257(15):1999
Screening for HIV antibody during pregnancy [letter] Aho K, et al. **Lancet** 1987 Apr 18;1(8538):921
Perinatal infection with cryptosporidium [letter] Dale BA, et al. **Lancet** 1987 May 2;1(8540):1042–3
Maternal rubella: one problem in diagnosis and another in prevention [letter] Drabu YJ, et al. **Lancet** 1987 Sep 5; 2(8558):561–2
Screening for HIV during pregnancy [letter] Scrimgeour JB, et al. **Lancet** 1987 Mar 28;1(8535):753
Tuberculosis in pregnancy—implications for antenatal screening in Australia. McIntyre PB, et al. **Med J Aust** 1987 Jan 5;146(1):42–4
Chlamydia trachomatis antigen. Lombardo JM, et al. **NJ Med** 1987 Jun;84(6):429–30
A comparison of nonculture–dependent methods for detection of Chlamydia trachomatis infections in pregnant women. Baselski VS, et al. **Obstet Gynecol** 1987 Jul; 70(1):47–52
Subclinical intra–amniotic infection in asymptomatic patients with refractory preterm labor. Duff P, et al. **Obstet Gynecol** 1987 May;69(5):756–9
Cervical Gram stain for rapid detection of colonization with beta–streptococcus. Holls WM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):354–7
Does extra–amniotic infection cause preterm labor? Gas–liquid chromatography studies of amniotic fluid in amnionitis, preterm labor, and normal controls. Iams JD, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):365–8
A rapid screening test for the diagnosis of endocervical group B streptococci in pregnancy: microbiologic results and clinical outcome. Isada NB, et al. **Obstet Gynecol** 1987 Jul; 70(1):139–41
Pregnancies resulting in infants with acquired immunodeficiency syndrome or AIDS–related complex. Minkoff H, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):285–7
Pregnancies resulting in infants with acquired immunodeficiency syndrome or AIDS–related complex: follow–up of mothers, children, and subsequently born siblings. Minkoff H, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):288–91
The pregnant hepatitis B carrier: evidence favoring comprehensive antepartum screening. Summers PR, et al. **Obstet Gynecol** 1987 May;69(5):701–4
Listeriosis: a cause of non–immune hydrops fetalis. Gembruch U, et al. **Prenat Diagn** 1987 May;7(4):277–82
Tick–bite fever in pregnancy. A case report. England MJ, et al. **S Afr Med J** 1987 Aug 1;72(3):213–4
Chlamydial infections and other sexually transmitted diseases in adolescent pregnancy. Pitegoff JG, et al. **Semin Adolesc Med** 1986 Sep;2(3):215–29
Viral hepatitis during pregnancy. Rustgi VK, et al. **Semin Liver Dis** 1987 Feb;7(1):40–6 (57 ref.)
[Abdominal pain or acute abdomen? (letter)] van den Hombergh H. **Ned Tijdschr Geneeskd** 1986 Nov 29; 130(48):2190–1 **(Dut)**
[Value of the echography of the maternal kidney during pregnancy] Nguyen Tan Lung R, et al. **Ann Urol (Paris)** 1986;20(6):381–3 (Eng. Abstr.) **(Fre)**
[Toxoplasmosis in pregnant women in Haut Ogooué Province (Gabon)] Billiault X, et al. **Bull Soc Pathol Exot Filiales** 1987;80(1):74–83 (Eng. Abstr.) **(Fre)**
[Infection and pregnancy] Lew DP. **Ther Umsch** 1987 Jan; 44(1):34–8 (Eng. Abstr.) **(Fre)**
[Herpes gestationis] Merk H, et al. **Dtsch Med Wochenschr** 1987 Jul 31;112(31–32):1235–6 **(Ger)**
[Intrauterine fetal death following erythema infectiosum (letter)] Schwarz TF, et al. **Dtsch Med Wochenschr** 1987 Jan 2;112(1):38–9 **(Ger)**
[Chlamydia infections in gynecology and obstetrics. Diagnosis, incidence, clinical aspects, complications and therapy] Hoyme UB. **Fortschr Med** 1986 Sep 4; 104(33):613–6 (Eng. Abstr.) **(Ger)**
[Clinical aspects, diagnosis and therapy of syphilis in pregnancy and in newborn infants] Meurer M, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):81–6 (Eng. Abstr.) **(Ger)**
[AIDS: problems and consequences in gynecology and obstetrics] Petersen EE. **Geburtshilfe Frauenheilkd** 1986 Jul; 46(7):413–5 (Eng. Abstr.) **(Ger)**
[Syphilis, gonorrhea, herpes genitalis and AIDS from the viewpoint of the clinician] Luger TA. **Gynakol Rundsch** 1987;27(2):120–8 **(Ger)**
[Routine microbiologic diagnosis of inflammatory gynecologic diseases including sexually transmitted diseases] Mayer HO, et al. **Gynakol Rundsch** 1987; 27(2):116–20 **(Ger)**
[Chlamydia and Mycoplasma infections] Reider W, et al. **Gynakol Rundsch** 1987;27(2):112–6 **(Ger)**
[AIDS in pregnancy—current status] Jahn K. **Gynakologe** 1987 Jun;20(2):77–81 **(Ger)**
[Critical evaluation of the selective diagnosis of rubella ir pregnancy] Weise W, et al. **Z Arztl Fortbild (Jena)** 1987; 81(6):271–5 **(Ger)**
[AIDS in a child with a LAV/HTLV–III infected mother] von Kries R, et al. **Z Geburtshilfe Perinatol** 1986 Nov–Dec; 190(6):279–81 (Eng. Abstr.) **(Ger)**
[Procedures for preparing hemagglutinin for routine serologic diagnosis] Sandow D, et al. **Z Gesamte Hyg** 1986 Oct;32(10):621–3 (Eng. Abstr.) **(Ger)**
[Use of dried blood in the detection of primary Toxoplasma infection in pregnant patients] Knaus BU, et al. **Z Med Lab Diagn** 1987;28(3):167–9 (Eng. Abstr.) **(Ger)**
[Effect of certification of toxoplasmosis of certain patient groups, especially pregnant women (letter)] **Orv Hetil** 1987 May 17;128(20):1068–9 **(Hun)**
[Prenatal diagnosis of fetal rubella infection] Intödy Z, et al. **Orv Hetil** 1987 Aug 30;128(35):1839–41 (Eng. Abstr.) **(Hun)**
[A simplified method for differentiating microorganisms in obstetric infections] Oka T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):320–2 **(Jpn)**
[Varicella–zoster virus infections in pregnant women and their newborn infants] Myrmel H, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):247–8, 250 (Eng. Abstr.) **(Nor)**
[Active infections with teratogenic viruses in parturients] Romanowski K, et al. **Ginekol Pol** 1986 Oct;57(10):654–6 (Eng. Abstr.) **(Pol)**
[Evaluation of the passive hemagglutination test in the localization of asymptomatic bacteriuria in pregnant women] Hebanowski M, et al. **Pol Tyg Lek** 1986 Aug 4; 41(31):976–80 (Eng. Abstr.) **(Pol)**
[Characteristics of the course of epidemic non–A, non–B viral hepatitis in pregnant women] Farber NA. **Akush Ginekol (Mosk)** 1986 Aug;(8):3–5 (54 ref.) **(Rus)**
[Course of pregnancy and labor and outcome for the fetus and newborn infant in urinary dissemination of Ureaplasma urealyticum] Kosheleva NG, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):15–8 (Eng. Abstr.) **(Rus)**
[Septic shock in the obstetrical clinic] Makatsariia AD, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):60–4 **(Rus)**

[Clinical picture of genital herpes during pregnancy] Malevich IuK, et al. **Akush Ginekol (Mosk)** 1986 Oct; (10):69–71 **(Rus)**

[Pneumocystis carinii pneumonia in children] Kurennaia SS, et al. **Pediatriia** 1986 Jul;(7):72–3 **(Rus)**

[Toxoplasmosis in pregnant women. 4 years' experience] Cour Boveda MI, et al. **Rev Clin Esp** 1986 Nov; 179(8):397–400 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Group B beta-hemolytic streptococcal sepsis [letter] **Am J Obstet Gynecol** 1987 May;156(5):1357–8

Single-dose antimicrobial therapy in the treatment of asymptomatic bacteriuria in pregnancy. Jakobi P, et al. **Am J Obstet Gynecol** 1987 May;156(5):1148–52

Acyclovir and pregnancy [letter] Leen CL, et al. **Br Med J** 1987 Jan 31;294(6567):308

Antibiotics. Wise R. **Br Med J** 1987 Jan 3;294(6563):42–6

Treatment of parasitic infestations and exotic disease in pregnancy. Haddock DW. **Clin Exp Obstet Gynecol** 1986; 13(3–4):168–72 (6 ref.)

Treatment of common infections in pregnancy and the puerperium. Seligman SA. **Clin Exp Obstet Gynecol** 1986; 13(3–4):148–54 (10 ref.)

Treatment of vaginal candidiasis in pregnant women. Weisberg M. **Clin Ther** 1986;8(5):563–7

Acyclovir treatment of varicella pneumonia in pregnancy [letter] Hankins GD, et al. **Crit Care Med** 1987 Apr; 15(4):336–7

Ritodrine and pyridoxine in herpes gestationis [letter] Costa C, et al. **Dermatologica** 1986;173(2):102–3

Management of bacteriuria in pregnancy. Pedler SJ, et al. **Drugs** 1987 Apr;33(4):413–21 (26 ref.)

Urinary tract infections in pregnancy: Monuril single-dose treatment versus traditional therapy. De Cecco L, et al. **Eur Urol** 1987;13 Suppl 1:108–13

Single-dose treatment of bacteriuria in pregnancy. McFadyen IR, et al. **Eur Urol** 1987;13 Suppl 1:22–5

Increased dose requirements of vancomycin in a pregnant patient with endocarditis [letter] Salzman C, et al. **J Infect Dis** 1987 Aug;156(2):409

Cost-benefit analysis of diagnosis and treatment of syphilis in pregnant women. Phaosavasdi S, et al. **J Med Assoc Thai** 1987 Feb;70(2):90–5

Treatment of disseminated herpes simplex virus in pregnancy with parenteral acyclovir. A case report. Cox SM, et al. **J Reprod Med** 1986 Oct;31(10):1005–7

Intravenous penicillin desensitization and treatment during pregnancy. Ziaya PR, et al. **JAMA** 1986 Nov 14; 256(18):2561–2

Assessment of possible drug-resistant Plasmodium falciparum in a pregnant traveller with sickle cell disease [letter] Greenberg AE, et al. **Lancet** 1987 Feb 21;1(8530):454–5

Rifampicin in pregnancy [letter] Summers A. **Lepr Rev** 1986 Sep;57(3):274–5

Safety of antimicrobial drugs in pregnancy. **Med Lett Drugs Ther** 1987 Jul 3;29(743):61–3

Effect on birth weight of erythromycin treatment of pregnant women. McCormack WM, et al. **Obstet Gynecol** 1987 Feb; 69(2):202–7

Pregnancy outcomes after first-trimester vaginitis drug therapy. Rosa FW, et al. **Obstet Gynecol** 1987 May; 69(5):751–5

Management of primary herpes in pregnancy complicated by ruptured membranes and extreme prematurity: case report. Utley K, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):471–3

Absence of congenital infection and teratogenesis in three children born to mothers with blastomycosis and treated with amphotericin B during pregnancy. Cohen I. **Pediatr Infect Dis J** 1987 Jan;6(1):76–7

Urinary tract infections [letter] Brings HA. **Postgrad Med** 1987 Jul;82(1):35

Treatment of tick-bite fever in pregnancy [letter] Weltman MD, et al. **S Afr Med J** 1987 Jun 20;71(12):798

Total dose iron infusion, malaria and pregnancy in Papua New Guinea. Oppenheimer SJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):818–22

Complications and treatment of urinary tract infections during pregnancy. Krieger JN. **Urol Clin North Am** 1986 Nov;13(4):685–93 (55 ref.)

Use and safety of antimicrobial agents during pregnancy. Chow AW, et al. **West J Med** 1987 Jun;146(6):761–4

[Value of the prescription of acyclovir at the end of pregnancy in genital herpes. A new protocol for preventing the risk of neonatal herpes (letter)] Ciraru-Vigneron N, et al. **Presse Med** 1987 Jan 31;16(3):128 **(Fre)**

[Incidence of Mycoplasma hominis and Ureaplasma urealyticum in pregnant women and gynecologic patients and their treatment with doxycycline] Horváth B, et al. **Orv Hetil** 1987 May 10;128(19):979–82 (Eng. Abstr.) **(Hun)**

[Problems of antibiotic therapy in pregnancy] Pasetto N. **Clin Ter** 1987 Mar 31;120(6):539–44 **(Ita)**

[Single-dose antibiotic therapy of asymptomatic bacteriuria in pregnancy. Results and complications] Pregazzi R, et al. **Minerva Ginecol** 1987 Apr;39(4):289–92 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical studies on imipenem/cilastatin sodium in the field of obstetrics and gynecology] Cho N, et al. **Jpn J Antibiot** 1986 May;39(5):1359–71 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of ceftazidime in perinatal period] Cho N, et al. **Jpn J Antibiot** 1986 Aug; 39(8):2225–46 (Eng. Abstr.) **(Jpn)**

[Clinical and laboratory evaluations of ceftazidime in perinatal use. A study of ceftazidime in the perinatal co-research group] Matsuda S, et al. **Jpn J Antibiot** 1986 Aug;39(8):2199–213 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of cefotiam during the perinatal period in pregnant women] Ninomiya K, et al. **Jpn J Antibiot** 1986 Sep;39(9):2519–24 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of ceftazidime in perinatal studies] Sengoku K, et al. **Jpn J Antibiot** 1986 Aug;39(8):2214–8 (Eng. Abstr.) **(Jpn)**

[Study on cefotiam in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Sep;39(9):2534–42 (Eng. Abstr.) **(Jpn)**

[A study on ceftazidime in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Aug;39(8):2273–9 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Aug;39(8):2263–71 (Eng. Abstr.) **(Jpn)**

[Progress of chemotherapy in various fields—obstetrics and gynecology] Matsuda S. **Nippon Rinsho** 1986 Apr; 44(4):893–8 **(Jpn)**

[Remarks with regard to the treatment of toxoplasmosis] Ziobrowski S, et al. **Wiad Lek** 1987 Mar 15;40(6):393–6 (19 ref.) (Eng. Abstr.) **(Pol)**

[Rational therapy of pyelonephritis in pregnant women] Shekhtman MM, et al. **Akush Ginekol (Mosk)** 1986 Oct; (10):58–61 (Eng. Abstr.) **(Rus)**

[Use of naloxone in the therapy of septic shock] Campos JM, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec; 33(6):451–3 (Eng. Abstr.) **(Spa)**

[Antimicrobial therapy in pregnancy] Angulo Carrere MT. **Rev Sanid Hig Publica (Madr)** 1986 Sep–Oct; 60(9–10):997–1003 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Ovarian actinomycosis during first-trimester pregnancy. de Clercq AG, et al. **Adv Contracept** 1987 Jun;3(2):167–71

Mycotic aneurysms in pregnancy. Boike GM, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):340–1

Chorioamnionitis: its association with pregnancy outcome and microbial infection. Quinn PA, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):379–87

Pasteurella multocida septicemia during pregnancy. Rasaiah B, et al. **Can Med Assoc J** 1986 Dec 15;135(12):1369–72

Right atrial vegetation in left ventricular-right atrial communication. Murata T, et al. **Clin Cardiol** 1987 Jan; 10(1):61–2

Congenital cytomegalovirus infection: predisposing maternal factors. Preece PM, et al. **J Epidemiol Community Health** 1986 Sep;40(3):205–9

Septic complications after chorionic villus sampling [letter] Brambati B, et al. **Lancet** 1987 May 23;1(8543):1212–3

Human parvovirus and fetal anaemia [letter] Gray ES, et al. **Lancet** 1987 May 16;1(8542):1144

Exposure to Chlamydia psittaci in pregnancy [letter] Helm CW, et al. **Lancet** 1987 May 16;1(8542):1144–5

Human parvovirus infection in pregnancy and hydrops fetalis. Anand A, et al. **N Engl J Med** 1987 Jan 22; 316(4):183–6

Microbiologic and serologic studies of Gardnerella vaginalis in intra-amniotic infection. Gibbs RS, et al. **Obstet Gynecol** 1987 Aug;70(2):187–90

Chorio-amnionitis following cervical cerclage in the second trimester [letter] Schamroth AD, et al. **S Afr Med J** 1987 Jun 6;71(11):733

[Positive cultures for Chlamydia trachomatis in women with extrauterine pregnancy (letter)] Diquelou JY, et al. **Presse Med** 1987 Jan 10–17;16(1):32 **(Fre)**

[Maternal-fetal Haemophilus influenzae infections] Quentin R, et al. **Presse Med** 1987 Jun 20;16(24):1181–4 (Eng. Abstr.) **(Fre)**

[Keeping pets—how dangerous is it?] Enders G, et al. **Gynakologe** 1987 Jun;20(2):99–105 **(Ger)**

[Varicella-zoster virus infections in pregnancy] Lisi B. **G Clin Med** 1986 Jun;67(3):173–5 **(Ita)**

[Sexually transmitted infections in obstetrics and gynecology] Kuczyńska K. **Ginekol Pol** 1986 Nov;57(11):745–8 (Eng. Abstr.) **(Pol)**

HISTORY

[The history of anaerobic bacteria in pregnancy] Spitzbart H. **Zentralbl Gynakol** 1986;108(20):1261–3 **(Ger)**

IMMUNOLOGY

Delayed amplification of cytomegalovirus infection in the placenta and maternal tissues during late gestation. Goff E, et al. **Am J Obstet Gynecol** 1987 May;156(5):1265–70

Varicella zoster antibody testing in the care of pregnant women exposed to varicella. McGregor JA, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):281–4

Seasonal variations in maternal serum and mammary immunity to RS virus. Nandapalan N, et al. **J Med Virol** 1986 Sep;20(1):79–87

Acquired immunodeficiency syndrome. Minkoff H. **J Nurse Midwifery** 1986 Jul–Aug;31(4):189–93

Evidence of an immune response to Ureaplasma urealyticum in perinatal morbidity and mortality. Quinn PA. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S282–7

Seroepidemiology of rubella in pregnant females in Catalonia (Spain). Pumarola A, et al. **Rev Epidemiol Sante Publique** 1987;35(2):136–40

[Risk of teratogenic infections during pregnancy in mothers in Prague] Strauss J, et al. **Cas Lek Cesk** 1986 Dec 19; 125(51):1581–6 (Eng. Abstr.) **(Cze)**

[Early diagnosis and surveillance of congenital toxoplasmosis. The comparative immunological profiles method] Pinon JM, et al. **Presse Med** 1987 Mar 21;16(10):471–4 (Eng. Abstr.) **(Fre)**

[Comparative evaluation of the diagnostic value of indirect and reverse ELISA for demonstrations of specific IgM antibodies in toxoplasmosis in man] Müller F, et al. **Immun Infekt** 1987 Apr;15(2):66–71 (Eng. Abstr.) **(Ger)**

[Rubella immunity and rubella infections in pregnancy in various population groups] Steinwehr D. **Z Arztl Fortbild (Jena)** 1987;81(6):277–9 **(Ger)**

[Immunity response in HBV infection in pregnancy. Results of a prospective study] Zotti C, et al. **Minerva Ginecol** 1986 Oct;38(10):847–52 **(Ita)**

[Evaluation of immune status in rubella infection in the pregnant population of the U.S.L. 3 of Pesaro 1981–1985] Acetoso M, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):283–90 (Eng. Abstr.) **(Ita)**

[Various immunobiochemical indices in pregnant carriers of the hepatitis B surface antigen] Burlev VA. **Akush Ginekol (Mosk)** 1986 Oct;(10):68–9 **(Rus)**

[Pregnancy and the status of the fetus and newborn infant of women with a positive complement fixation test with Listeria monocytogenes antigen] Podgurnik FIa. **Akush Ginekol (Mosk)** 1986 Aug;(8):42–4 **(Rus)**

[Various features of cellular and humoral immunity in viral hepatitis in pregnant women] Musabaev EI, et al. **Sov Med** 1986;(11):86–8 **(Rus)**

[Immune response to toxoplasmosis] Calderón-Jaimes E. **Bol Med Hosp Infant Mex** 1986 Oct;43(10):658–61 **(Spa)**

[Serological survey of anti-Toxoplasma gondii antibodies in pregnant women] Fernández-Torrano M. **Bol Med Hosp Infant Mex** 1987 Feb;44(2):133–4 **(Spa)**

[Heterosexual transmission of the human immunodeficiency virus and passage of immunoglobulins to the fetus (letter)] Carballo Arceo E, et al. **Med Clin (Barc)** 1987 May 9; 88(18):738 **(Spa)**

METABOLISM

Comparison of the pharmacokinetics of cephradine and cefazolin in pregnant and non-pregnant women. Philipson A, et al. **Clin Pharmacokinet** 1987 Feb;12(2):136–44

MICROBIOLOGY

A comparative neonatal study of infants born by mothers with Chlamydia trachomatis in cervix uteri. Skjeldestad FE, et al. **Acta Paediatr Scand** 1987 Mar;76(2):359–60

Human cytomegalovirus infection of human placental explants in culture: histologic and immunohistochemical studies. Amirhessami-Aghili N, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1365–74

A review of the role of beta-lactamase-producing bacteria in obstetric-gynecologic infections. Eschenbach DA. **Am J Obstet Gynecol** 1987 Feb;156(2):495–503 (51 ref.)

Induction of beta-lactamase enzymes: clinical applications for the obstetric-gynecologic patient. Hemsell DL. **Am J Obstet Gynecol** 1987 Feb;156(2):504–6 (6 ref.)

Chlamydia trachomatis infection and pregnancy outcome. Sweet RL, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):824–33

Intrauterine latent herpes simplex virus infection: II. Latent neonatal infection. Robb JA, et al. **Hum Pathol** 1986 Dec; 17(12):1210–7

Intrauterine latent herpes simplex virus infection: I. Spontaneous abortion. Robb JA, et al. **Hum Pathol** 1986 Dec;17(12):1196–209

Leprosy in children one year of age and under [letter] Duncan ME. **Int J Lepr Other Mycobact Dis** 1986 Dec; 54(4):646

Carriage of Listeria monocytogenes and related species in pregnant and non-pregnant women in Aberdeen, Scotland. Lamont RJ, et al. **J Infect** 1986 Sep;13(2):187–93

Human parvovirus B19 infection during pregnancy. Woernle CH, et al. **J Infect Dis** 1987 Jul;156(1):17–20

Candida mycosis in pregnant women and related risks to the newborn. von Maillot K, et al. **Mykosen [Suppl]** 1978; 1:246–51

Application of the Directigen Group B Strep-test kit to the rapid identification of group B Streptococcus strains. Martini A, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun; 36(3):219–22

A microbiologic and clinical study of placental inflammation at term. Dong Y, et al. **Obstet Gynecol** 1987 Aug; 70(2):175–82

Ureaplasmas of humans: with emphasis upon maternal and neonatal infections. Proceedings of an international symposium of the International Organization for Mycoplasmology. Seattle, Washington, October 10–12, 1985. Tribute to Dr. Maurice Charles Shepard. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S221–354

Role of Ureaplasma urealyticum in amnionitis. Cassell GH, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S247–52 (39 ref.)

Ureaplasmas of human: with emphasis upon maternal and neonatal infections. Future considerations: maternal and neonatal aspects. Cassell GH. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S341–4 (46 ref.)
Chorioamnionitis: perinatal morbidity and mortality. Driscoll SG. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S273–5
Bacteriuria due to ureaplasmas and other fastidious organisms during pregnancy: prevalence and significance. Gilbert GL, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S239–43
Possible role of Ureaplasma urealyticum in preterm premature rupture of the fetal membranes. Gravett MG, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S253–7 (32 ref.)
Low birth weight and maternal colonization with genital mycoplasmas. Kass EH, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S279–81 (13 ref.)
Longitudinal study of group B streptococcal carriage during late pregnancy. Persson K, et al. **Scand J Infect Dis** 1987; 19(3):325–9
Human fetal borreliosis, toxemia of pregnancy, and fetal death. MacDonald AB.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1986 Dec; 263(1–2):189–200
[Listeria monocytogenes as the cause of abortion in the 2d trimester] Kaspersen P, et al. **Ugeskr Laeger** 1987 Feb 16; 149(8):527–9 (Eng. Abstr.) **(Dan)**
[Tissue affinity of pathogens: 2. Invasion of pathogens—invasion of bacteria into the urinary tract—special reference to factor analysis of susceptibility during pregnancy] Kumamoto Y, et al. **Nippon Rinsho** 1986 Sep;44(9):1942–8 (21 ref.) **(Jpn)**
[Infections in pregnant women and newborn infants caused by cytomegaloviruses] Myrmel H, et al.
Tidsskr Nor Laegeforen 1987 Mar 20;107(8):730–1 (Eng. Abstr.) **(Nor)**
[Species identity and antibiotic sensitivity of the vaginal microflora of pregnant women] Kuchma ZN.
Akush Ginekol (Mosk) 1986 Aug;(8):53–4 **(Rus)**

MORTALITY

Viral hepatitis as a major cause of maternal mortality in Addis Ababa, Ethiopia. Kwast BE, et al.
Int J Gynaecol Obstet 1987 Apr;25(2):99–106

OCCURRENCE

Hepatitis B: a case for prenatal screening of all patients. Cruz AC, et al. **Am J Obstet Gynecol** 1987 May;156(5):1180–3
Failure of Centers for Disease Control criteria to identify hepatitis B infection in a large municipal obstetrical population. Jonas MM, et al. **Ann Intern Med** 1987 Sep; 107(3):335–7
Antenatal screening for congenital infection with rubella, cytomegalovirus and toxoplasma. Sfameni SF, et al.
Aust NZ J Obstet Gynaecol 1986 Nov;26(4):257–60
Intestinal helminthic infections and some haematological parameters in pregnant women attended at the University Teaching Hospital in Calabar, Nigeria. Ezeoke AC.
Bol Chil Parasitol 1985 Jan–Jun;40(1–2):14–8
Is screening for bacteriuria in pregnancy worth while? Campbell–Brown M, et al. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1579–82
Serologic screening for cytomegalovirus, rubella virus, herpes simplex virus, hepatitis B virus, and Toxoplasma gondii in two urban populations of pregnant women in Chile. Vial P, et al. **Bull Pan Am Health Organ** 1986; 20(1):53–61
Prevalence and significance of group B Streptococcus in a large obstetric population. Joshi AK, et al.
Can Med Assoc J 1987 Aug 1;137(3):209–11
Get prepared for more cases of AIDS during pregnancy. Quaggin A. **Can Med Assoc J** 1987 Jan 15;136(2):192–3
Rubella and cytomegalovirus infection in pregnancy. Peckham CS. **Clin Exp Obstet Gynecol** 1986;13(3–4):97–107 (19 ref.)
Rubella in pregnant Danish women 1975–1984. Bitsch M. **Dan Med Bull** 1987 Mar;34(1):46–9
Oral contraceptive use and the risk of malaria. Mati JK, et al. **East Afr Med J** 1986 Jun;63(6):382–8
Malaria parasitaemia at delivery in Nigerians. Nnatu S, et al. **East Afr Med J** 1987 Jan;64(1):44–8
AIDS, HIV and women—the next five years. Weber J.
Hum Reprod 1987 Jan;2(1):63–5
Increased prevalence of human papillomaviruses in the lower genital tract of pregnant women. Schneider A, et al.
Int J Cancer 1987 Aug 15;40(2):198–201
Syphilis among pregnant Thai prostitutes. Phaosavasdi S, et al. **J Med Assoc Thai** 1987 Apr;70(4):217–22
Prevalence of chronic hepatitis B virus infection in pregnant black women living in Soweto. Kew MC, et al.
J Med Virol 1987 Jul;22(3):263–8
Dynamics and impact of perinatal transmission of hepatitis B virus in North India. Nayak NC, et al. **J Med Virol** 1987 Feb;21(2):137–45
Group B streptococcal carriage and disease: a 6-year prospective study. Dillon HC Jr, et al. **J Pediatr** 1987 Jan; 110(1):31–6
Primary cytomegalovirus infection in pregnancy. Incidence, transmission to fetus, and clinical outcome. Stagno S, et al. **JAMA** 1986 Oct 10;256(14):1904–8
Maternal rubella at St Thomas' Hospital in 1978 and 1986: support for augmenting the rubella vaccination programme. Best JM, et al. **Lancet** 1987 Jul 11;2(8550):88–90
HIV infection among high-risk pregnant women [letter] Ciraru-Vigneron N, et al. **Lancet** 1987 Mar 14;1(8533):630
HIV infection and pregnancies in sexual partners of HIV-seropositive hemophilic men—United States.
MMWR 1987 Sep 11;36(35):593–5
Some remarks about epidemiology and prophylaxis of Candida mycoses in parturients and newborns. Schnell JD.
Mykosen [Suppl] 1978;1:252–7
Acquired immunodeficiency syndrome: suggested protocol for counseling and screening in pregnancy. Sachs BP, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):408–11
Cervical colonization with Ureaplasma urealyticum and pregnancy outcome: prospective studies. Harrison HR.
Pediatr Infect Dis 1986 Nov–Dec;5(6 Suppl):S266–9
Donovanosis (granuloma inguinale) in the Orange Free State [letter] Faber BL. **S Afr Med J** 1987 Feb 7;71(3):196
Group B streptococci at delivery: high count in urine increases risk for neonatal colonization. Persson K, et al.
Scand J Infect Dis 1986;18(6):525–31
Prevalence of Trichomonas vaginalis in some Filipino women. Basaca-Sevilla V, et al.
Southeast Asian J Trop Med Public Health 1986 Jun; 17(2):194–6
Rubella infection in females of reproductive age and newborns in Taiwan. Ko TM, et al.
Taiwan I Hsueh Hui Tsa Chih 1986 Sep;85(9):856–61
A case of falciparum malaria acquired in Italy. Rosci MA, et al. **Trop Geogr Med** 1987 Jan;39(1):77–9
Prevalence of bovine virus diarrhoea virus viraemia in cattle in the UK. Howard CJ, et al. **Vet Rec** 1986 Dec 20–27; 119(25–26):628–9
[A seroepidemiological survey for toxoplasmosis among pregnant women and their offspring in Beijing] Gao XY.
Chung Hua Fu Chan Ko Tsa Chih 1986 Sep;21(5):283–6, 318 (Eng. Abstr.) **(Chi)**
[Toxoplasmosis in pregnant women, newborn infants and deformed children] Guo ZZ.
Chung Hua Fu Chan Ko Tsa Chih 1987 Mar;22(2):91–3, 126 (Eng. Abstr.) **(Chi)**
[Seroepidemiologic study of cytomegalovirus infections at the maternity department of the Befelatanana General Hospital] Ravaoarinoro M, et al.
Arch Inst Pasteur Madagascar 1986;52(1):139–45 (Eng. Abstr.) **(Fre)**
[Syphilis in pregnant women in Libreville (Gabon)] Méfane C, et al. **Bull Soc Pathol Exot Filiales** 1987;80(2):162–70 (Eng. Abstr.) **(Fre)**
[Rubella in pregnant women in Abidjan (Ivory Coast)] Ouattara SA, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(2):149–54 (Eng. Abstr.) **(Fre)**
[Incidence of pulmonary tuberculosis in a population of pregnant women at risk] Ciraru-Vigneron N, et al.
J Gynecol Obstet Biol Reprod (Paris) 1986;15(7):913–7 (Eng. Abstr.) **(Fre)**
[Malaria and pregnancy. Comparative study of Central Africa and Western Africa] Zinsou RD, et al.
J Gynecol Obstet Biol Reprod (Paris) 1987;16(4):485–8 (Eng. Abstr.) **(Fre)**
[Mycoplasmas and pregnancy] Lemoine JP, et al.
Rev Fr Gynecol Obstet 1987 Mar;82(3):169–72 (Eng. Abstr.) **(Fre)**
[Asymptomatic bacteriuria in the pregnant woman in metropolitan Tunis. Prospective study] Marrakchi O, et al. **Tunis Med** 1986 Mar;64(3):217–20 (Eng. Abstr.) **(Fre)**
[Urinary tract infections in pregnancy] Hirsch HA.
Dtsch Med Wochenschr 1987 Jan 9;112(2):45–6 **(Ger)**
[Incidence of hepatitis B markers in pregnancy. Comparison with the serological tests legally required for maternal care] Mariss P, et al. **Dtsch Med Wochenschr** 1986 Nov 14; 111(46):1757–60 (Eng. Abstr.) **(Ger)**
[Incidence of Chlamydia trachomatis infections in pregnant patients in Vienna] Niebauer B, et al.
Wien Klin Wochenschr 1986 Oct 24;98(20):691–3 (Eng. Abstr.) **(Ger)**
[Preliminary results on the frequency of congenital cytomegalovirus infection as studied at the University of Rome Obstetric Clinic II] Reverberi L, et al.
Minerva Ginecol 1987 May;39(5):321–3 (Eng. Abstr.) **(Ita)**
[Chagas' disease in Chile. Urban sectors. XIV. Frequency of Chagas' infection in mothers and newborn infants of the Western area of the Metropolitan area of Santiago, 1985] Atala C, et al. **Bol Chil Parasitol** 1985 Jul–Dec; 40(3–4):85–7 (Eng. Abstr.) **(Spa)**
[Seroepidemiological study of human toxoplasmosis and hydatidosis in blood donors and parturient mothers at the Hospital Regional de Talca. VII Region, Chile. 1985–1986] Peña E, et al. **Bol Chil Parasitol** 1986 Jul–Dec; 41(3–4):87–90 (Eng. Abstr.) **(Spa)**
[Incidence of Chlamydia trachomatis in pregnancy] Aliaga P, et al. **Rev Chil Obstet Ginecol** 1985;50(2):140–9 (Eng. Abstr.) **(Spa)**
[Incidence of gonococcal infection in pregnancy] Bernal J, et al. **Rev Chil Obstet Ginecol** 1985;50(4):273–7 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Developmental visceral malaria in a pregnant woman (letter)] Bourée P, et al. **Presse Med** 1986 Oct 4;15(33):1685 **(Fre)**
[Malaria in pregnant women—native inhabitants of the Congo—and its treatment using quinimax and fansidar] Splavskiĭ OI. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):49–51 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Perinatal listeriosis. A report of six cases. Khong TY, et al.
Br J Obstet Gynaecol 1986 Oct;93(10):1083–7
Immature delivery after intrauterine Candida albicans infection. Brandsma MA, et al.
Eur J Obstet Gynecol Reprod Biol 1975;5(6):331–5
Epidemic perinatal listeriosis at autopsy. Klatt EC, et al.
Hum Pathol 1986 Dec;17(12):1278–81
Histopathological study of placenta in viral hepatitis. Prabhu SR, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):137–44
Fetal ventriculomegaly and brain atrophy in a woman with intrauterine cytomegalovirus infection. A case report. Mittelmann–Handwerker S, et al. **J Reprod Med** 1986 Nov; 31(11):1061–4
Herpes simplex virus: fetal and decidual infection. Bendon RW, et al. **Pediatr Pathol** 1987;7(1):63–70
[Renal ultrasonic diagnosis in pregnancy. Prospective study of pyelo-calyceal changes in the mother and their obstetric implications] Gilliaux P, et al.
J Gynecol Obstet Biol Reprod (Paris) 1987;16(2):183–7 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Influence of malarial infection on the maternal–foetal relationship in pregnant mice. Vinayak VK, et al.
Aust J Exp Biol Med Sci 1986 Jun;64 (Pt 3):223–7
Intrauterine transmission of hepatitis B virus is closely related to placental leakage. Ohto H, et al. **J Med Virol** 1987 Jan; 21(1):1–6
Independent associations of bacterial vaginosis and Chlamydia trachomatis infection with adverse pregnancy outcome. Gravett MG, et al. **JAMA** 1986 Oct 10; 256(14):1899–903
Changes in the fetal organs and the placenta with intrauterine mycoplasma infection. Zinserling AV, et al.
Zentralbl Allg Pathol 1986;132(2):109–17
[Influence of pregnancy on HB virus carriers] Tagawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan; 39(1):24–30 (Eng. Abstr.) **(Jpn)**
[Complex evaluation of indices of the function of the feto–placental system in gestational pyelonephritis] Anisimova MI, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):67–9 **(Rus)**

PREVENTION & CONTROL

Reduction of group B streptococcal maternal and neonatal infections in preterm pregnancies with premature rupture of membranes through a rapid identification test. Morales WJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):13–6
Routine hepatitis screening in adolescent pregnancies: is it cost effective? Wetzel AM, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):166–9
Failure of chloroquine malaria prophylaxis in pregnancy. Mola GL, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):24–6
Rubella susceptibility and the continuing risk of infection in pregnancy. Miller CL, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1277–8
Hepatitis B in obstetric patients in the community hospital: the need for screening. Owen M, et al. **Clin Ther** 1987; 9(3):296–9
Infections, pregnancies, and infertility: perspectives on prevention. World Health Organization. **Fertil Steril** 1987 Jun;47(6):964–8
Rubella vaccination policy: a note of reassurance [letter] Miller C, et al. **Lancet** 1987 Jul 25;2(8552):210
Vaccination, 2; maternal rubella, 0 [letter] Upfold LJ.
Med J Aust 1987 Jan 19;146(2):119
Immunizing the pregnant woman. Risks versus benefits. Saballus MK, et al. **Postgrad Med** 1987 Jun;81(8):103–8, 113
Preventing teratogenic viral infections in hospital employees: the cases of rubella, cytomegalovirus and varicella–zoster virus. Nelson KE, et al. **State Art Rev Occup Med** 1987 Jul–Sep;2(3):471–98 (138 ref.)
Experience with intravenous immunoglobulin treatment in neonates and pregnant women. von Muralt G, et al.
Vox Sang 1986;51 Suppl 2:22–9
[Screening for HIV antibodies in pregnancy] Stauber M, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):87–9 (Eng. Abstr.) **(Ger)**
[Vaccination of pregnant women before traveling to the tropics] Ambrosch F. **Gynakol Rundsch** 1986;26(4):235–40 **(Ger)**
[Viral vaccination in pregnancy] Hofmann H.
Gynakol Rundsch 1986;26(4):240–2 **(Ger)**
[Hepatitis B screening in pregnancy] Vytiska–Binstorfer E, et al. **Z Geburtshilfe Perinatol** 1987 Mar–Apr;191(2):68–70 (Eng. Abstr.) **(Ger)**

SURGERY

Tuberculous peritonitis in pregnancy. Case report. Brooks JH, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1009–10
Fecal peritonitis in pregnancy. Cali V, et al.
Clin Exp Obstet Gynecol 1987;14(1):68–9

[Acute appendicitis in pregnant women] Otto S, et al. **Ginekol Pol** 1986 Aug;57(8):518–24 (Eng. Abstr.) **(Pol)**

THERAPY

AIDS in obstetric practice [letter] Vivien CT. **Br J Hosp Med** 1987 Apr;37(4):369

AIDS and health-care workers [letter] **Lancet** 1987 Jan 24; 1(8526):223–4

Acute cholecystitis in pregnancy. Landers D, et al. **Obstet Gynecol** 1987 Jan;69(1):131–3

[HIV seropositivity and pregnancy. Apropos of 48 cases (how should they be managed at the present time?)] Berrebi A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(2):201–5 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Neonatal typhoid fever. Chin KC, et al. **Arch Dis Child** 1986 Dec;61(12):1228–30

Obstetric and perinatal consequences of human immunodeficiency virus (HIV) infection: a review. Peckham CS, et al. **Br J Obstet Gynaecol** 1987 May; 94(5):403–7 (33 ref.)

Persistent toxoplasmic parasitaemia in a pregnant woman. Mukherjea AK, et al. **J Indian Med Assoc** 1986 Feb; 84(2):48–52

Neonatal herpes simplex virus infection occurring in second twin of an asymptomatic mother. Failure of a modern protocol. Growdon WA, et al. **JAMA** 1987 Jan 23–30; 257(4):508–11

Neonatal herpes [letter] Manuel GA, et al. **JAMA** 1987 Jun 5;257(21):2915–6

Young children as a probable source of maternal and congenital cytomegalovirus infection. Pass RF, et al. **N Engl J Med** 1987 May 28;316(22):1366–70

Rarity of cesarean delivery in cases of juvenile-onset respiratory papillomatosis. Shah K, et al. **Obstet Gynecol** 1986 Dec;68(6):795–9

[Neonatal myocardial infarct associated with maternal-fetal infection due to Coxsackie B4 virus] Garel D, et al. **Arch Fr Pediatr** 1986 Aug-Sep;43(7):495–6 (Eng. Abstr.) **(Fre)**

[Results of a national survey on the antibiotic therapy of neonatal bacterial infection due to materno-fetal contamination] Bourrillon A, et al. **Pediatrie** 1986 Mar; 41(2):127–34 (Eng. Abstr.) **(Fre)**

[Strategy for individualization of HBsAg-positive mothers and passive and active immunoprophylaxis of neonates] Ricci C, et al. **Minerva Ginecol** 1987 Mar;39(3):111–4 (Eng. Abstr.) **(Ita)**

VETERINARY

Experimental infection and abortion of pregnant guinea pigs with a unique spirillum-like bacterium isolated from aborted ovine fetuses. Bryner JH, et al. **Am J Vet Res** 1987 Jan;48(1):91–5

Relationship of fetal age at conjunctival exposure of pregnant heifers and Brucella abortus isolation. Crawford RP, et al. **Am J Vet Res** 1987 May;48(5):755–7

Toxoplasma gondii cysts in placentas of experimentally infected sheep. Dubey JP. **Am J Vet Res** 1987 Mar; 48(3):352–3

Serodiagnosis of postnatally and prenatally induced toxoplasmosis in sheep. Dubey JP, et al. **Am J Vet Res** 1987 Aug;48(8):1239–43

Experimentally induced Brucella abortus infection in pregnant goats. Meador VP, et al. **Am J Vet Res** 1986 Nov; 47(11):2337–42

Hormonal changes in sows after induced porcine parvovirus infection in early pregnancy. Meyers PJ, et al. **Am J Vet Res** 1987 Apr;48(4):621–6

Pathogenicity and immunogenicity of a mutagen-attenuated Rift Valley fever virus immunogen in pregnant ewes. Morrill JC, et al. **Am J Vet Res** 1987 Jul;48(7):1042–7

Response of goats to vaccination with temperature-sensitive mutants of Chlamydia psittaci obtained by nitrosoguanidine mutagenesis. Rodolakis A, et al. **Am J Vet Res** 1986 Dec; 47(12):2627–31

Immunohistochemical diagnosis of toxoplasmosis in fetuses and fetal membranes of sheep. Uggla A, et al. **Am J Vet Res** 1987 Mar;48(3):348–51

Ovine anaplasmosis: in utero transmission as it relates to stage of gestation. Zaugg JL. **Am J Vet Res** 1987 Jan;48(1):100–3

Brucella infection and immunity in placenta. Bosseray N. **Ann Inst Pasteur Microbiol** 1987 Jan-Feb;138(1):110–3 (12 ref.)

Possible uterine coccidiosis in a cow. Collins GH, et al. **Aust Vet J** 1986 Aug;63(8):264

Serology of experimental toxoplasmosis in pregnant ewes and their foetuses. Munday BL, et al. **Aust Vet J** 1986 Nov; 63(11):353–5

Bluetongue virus serotype 20: experimental infection of pregnant heifers. Parsonson IM, et al. **Aust Vet J** 1987 Jan; 64(1):14–7

Experimental infection of sheep with Chlamydia psittaci. Andreani E, et al. **Br Vet J** 1987 May-Jun;143(3):221–5

Experimental Salmonella arizonae infection of sheep. Hannam DA, et al. **Br Vet J** 1986 Sep-Oct;142(5):458–66

Plasma oestrone sulphate and progesterone concentrations in cows and ewes associated with fetal death and abortion. Mohamed AR, et al. **Br Vet J** 1987 May-Jun;143(3):238–45

Observations on the long term effects of Brucella abortus infection in the horse, including effects during pregnancy and lactation. MacMillan AP, et al. **Equine Vet J** 1986 Sep; 18(5):388–90

Use of an inactivated vaccine for prevention of parvovirus-induced reproductive failure in gilts. Brown TT Jr, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):179–81

Haemonchus contortus and other trichostrongylid infections in parturient, lactating and dry ewes. Gibbs HC, et al. **Vet Parasitol** 1986 Nov;22(1-2):57–66

Effect of pregnancy on clinical manifestation of bovine trypanosomiasis. Ogwu D, et al. **Vet Parasitol** 1987 Apr; 24(1-2):25–33

Acute interstitial pneumonia in mink kits: experimental reproduction of the disease. Alexandersen S. **Vet Pathol** 1986 Sep;23(5):579–88

Abortion rate and mortality among exotic pregnant heifers imported to the Gezira in the central region of the Sudan. Ahmed FA, et al. **Vet Q** 1987 Apr;9(2):177–9

The peri-parturient rise in sheep. Faecal worm egg counts in normal and late lambing ewes. Jansen J. **Vet Q** 1987 Apr;9(2):97–102

Monensin and the control of experimental ovine toxoplasmosis: a systemic effect. Buxton D, et al. **Vet Rec** 1987 Jun 27;120(26):618–9

Efficacy of porcine parvovirus vaccines. Edwards KR, et al. **Vet Rec** 1986 Aug 30;119(9):203–6

Investigation of the effect of Moraxella phenylpyruvica on the genital tract of the sow. Ellis B, et al. **Vet Rec** 1986 Dec 20-27;119(25-26):627

Epidemiology and control of vaginal discharges in the sow after service. Muirhead MR. **Vet Rec** 1986 Sep 6; 119(10):233–5

Bilateral facial paralysis in a cow with listeriosis. West HJ, et al. **Vet Rec** 1987 Feb 28;120(9):204–5

[The effectiveness of vaccinating gilts against parvoviruses in a herd with endemic parvovirus infection] Mádr V, et al. **Vet Med (Praha)** 1986 Oct;31(10):599–608 (Eng. Abstr.) **(Cze)**

[Pros and cons of anthelmintic treatment of lambing ewes] Jansen J, et al. **Tijdschr Diergeneeskd** 1986 Nov 15; 111(22):1099–103 (Eng. Abstr.) **(Dut)**

[Determination of bacterial reproduction disorders in horse breeding and suggestions for treatment] Blobel K, et al. **DTW** 1987 Mar 9;94(3):160–2 **(Ger)**

[The effect of fenbendazole on resting somatic larvae of Ancylostoma caninum Ercolani 1859 (Ancylostomidae) in the pregnant bitch] Stoye M, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):13–21 (Eng. Abstr.) **(Ger)**

PREGNANCY COMPLICATIONS, NEOPLASTIC

Urinary retention caused by impaction of leiomyoma in pregnancy. Schwartz Z, et al. **Acta Obstet Gynecol Scand** 1986;65(5):525–6

The management of labour using continuous lumbar epidural analgesia in a patient with a malignant cerebral tumour. Goroszeniuk T, et al. **Anaesthesia** 1986 Nov;41(11):1128–9

Successful pregnancy in patients with multiple myeloma [letter] Talerman A. **Arch Pathol Lab Med** 1987 Oct; 111(10):895–6

Dysgerminoma of the ovary associated with pregnancy. Kulenthran A, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):217–20

Hydatidiform mole coexisting with a live fetus: a dilemma of management. A recent review (1965–1985) and report of 2 new cases. Khoo SK, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):129–35

Third trimester chemotherapy and neonatal hematopoiesis. Meador JM, et al. **Cancer Chemother Pharmacol** 1987; 19(2):177–9

Ewing's sarcoma and pregnancy. A case report and review of the literature. Loguidice V, et al. **Clin Orthop** 1986 Sep; (210):132–6

A young Ethiopian woman with repeated stillbirths and extra-adrenal phaeochromocytomas. Bahta Y, et al. **Ethiop Med J** 1987 Jul;25(3):141–5

Incidental pregnancy luteoma associated with ectopic tubo-ovarian pregnancy: evidence in favor of origin from theca interna of an atretic follicle. Honoré LH, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):15–9

Leiomyosarcoma of the broad ligament—report of a case. Shimm DS, et al. **Gynecol Oncol** 1987 Jan;26(1):123–6

Advanced papillary adenocarcinoma of unknown origin as tumor previa during late pregnancy. Levin S, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):337–40

Neurofibromatosis in pregnancy. Four case reports and review of the literature. Wiznitzer A, et al. **Isr J Med Sci** 1986 Jul-Aug;22(7-8):579–81

Krukenberg tumour associated with pregnancy. Choudhary S. **J Indian Med Assoc** 1986 Feb;84(2):56–7

Primary small bowel ganglioneuroblastoma and Friedreich's ataxia. Barr H, et al. **J R Soc Med** 1986 Oct;79(10):612–3

Successful pregnancy in an adolescent with metastatic undifferentiated sarcoma. A case report. Bianchi DW, et al. **J Reprod Med** 1987 Jan;32(1):76–8

Pulmonary lymphangiomyomatosis complicating pregnancy. A case report. Hughes E, et al. **J Reprod Med** 1987 Jul; 32(7):553–7

Metastatic adenocarcinoma of the lung complicating pregnancy. A case report. Suda R, et al. **J Reprod Med** 1986 Dec;31(12):1113–6

Dermoid tumor and cystadenoma arising in the same ovary. Bundy AL, et al. **JCU** 1986 Nov-Dec;14(9):727–31

A disseminated ganglioneuroblastoma in a 31-year-old woman. Slaats EH, et al. **Neth J Med** 1987 Jan;30(1):36–42

Epithelial-myoepithelial carcinoma of the subglottic region: a case presentation and review of the literature. Mikaelian DO, et al. **Otolaryngol Head Neck Surg** 1986 Jul; 95(1):104–6

[Chorioangioma of the placenta] Mlynček M, et al. **Cesk Gynekol** 1987 Mar;52(2):125–8 **(Cze)**

[A young woman with a liver tumor and hypercalcemia] Zelissen PM, et al. **Ned Tijdschr Geneeskd** 1986 Sep 20; 130(38):1705–7 (Eng. Abstr.) **(Dut)**

[Placental chorioangioma—case report and discussion of possible complications] Schramm T, et al. **Geburtshilfe Frauenheilkd** 1987 Jun;47(6):422–4 (Eng. Abstr.) **(Ger)**

[Burkitt's lymphoma with an initial symptom of thyroid tumor during pregnancy] Fujii H, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1957–63 (Eng. Abstr.) **(Jpn)**

[Invagination of the sigmoid caused by a tumor] Andrianov AV. **Khirurgiia (Mosk)** 1987 Apr;(4):131 **(Rus)**

[Delivery in the presence of a brain tumor] Ershov VN, et al. **Zh Vopr Neirokhir** 1987 Jan-Feb;(1):54–5 **(Rus)**

[Hypophyseal prolactinoma—pregnancy and labor] Toskić J, et al. **Srp Arh Celok Lek** 1986 May-Jun;114(5-6):555–9 (Eng. Abstr.) **(Scc)**

BLOOD

Maternal serum alpha-fetoprotein screening and choriocarcinoma [letter] Milunsky A, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1362

CHEMICALLY INDUCED

[The effect of exposure to carcinogens during pregnancy on the oncogenesis of the offspring: an experimental study] Ou BX. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar; 15(1):3–5 (Eng. Abstr.) **(Chi)**

DIAGNOSIS

Pathologic quiz case 1. Granular cell tumor. Youngs RP, et al. **Arch Otolaryngol Head Neck Surg** 1986 Oct; 112(10):1104–6

Association of a gravid uterus with a myoma. A case report. Meher C, et al. **Australas Radiol** 1987 Feb;31(1):68–70

Wilms' tumor complicating pregnancy: report of a case. Davis LW. **J Am Osteopath Assoc** 1987 Apr;87(4):306–9

Hyperparathyroidism secondary to parathyroid carcinoma in pregnancy. A case report. Parham GP, et al. **J Reprod Med** 1987 Feb;32(2):123–5

Pulmonary lymphangioleiomyomatosis complicated by pregnancy. Yockey CC, et al. **Kans Med** 1986 Oct; 87(10):277–8, 293

Management of cervical dysplasia in pregnancy. McGee JE. **Nurse Pract** 1987 Mar;12(3):34, 37, 41–2

Renal cell carcinoma in pregnancy. Klein VR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):531–3

Inter- and intra-pathologist variability in the diagnosis of gestational trophoblastic neoplasia. Messerli ML, et al. **Obstet Gynecol** 1987 Apr;69(4):622–6

Leiomyomas in pregnancy: sonographic study. Lev-Toaff AS, et al. **Radiology** 1987 Aug;164(2):375–80

Adenocarcinoma of the stomach in pregnancy—ultrasonographic diagnosis. A case report. Muller LM. **S Afr Med J** 1987 Apr 18;71(8):530–1

[Cancer of the ovary and pregnancy. Apropos of a case] Fraisse E, et al. **Rev Fr Gynecol Obstet** 1986 Jun-Jul; 81(6-7):381–4 (Eng. Abstr.) **(Fre)**

[Effect of pregnancy on metastasizing breast cancer—a case report] Lellé RJ, et al. **Z Geburtshilfe Perinatol** 1986 Sep-Oct;190(5):229–31 (Eng. Abstr.) **(Ger)**

[Retroperitoneal ganglioneuroma as a cause of obstructed labor] Kamin G, et al. **Zentralbl Gynakol** 1986; 108(16):1003–5 (Eng. Abstr.) **(Ger)**

[A case of coexistence of pregnancy and ovarian cyst initially diagnosed as trophoblastic disease of pregnancy] Kochaj W, et al. **Wiad Lek** 1986 Jun 15;39(12):840–4 (Eng. Abstr.) **(Pol)**

[Combined cervical cancer and pregnancy] Nerodo GA, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):47–9 (Eng. Abstr.) **(Rus)**

[8 pregnancies in 2 years—1 spontaneous abortion, 7 miscarriages] Wegrzyn A. **Lakartidningen** 1986 Nov 12; 83(46):3923 **(Swe)**

DRUG THERAPY

Primary hyperaldosteronism in pregnancy. Lotgering FK, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):986–8

Rapid regression through bromocriptine therapy of a suprasellar extending prolactinoma during pregnancy. Tan SL, et al. **Int J Gynaecol Obstet** 1986 Jun;24(3):209–15

Acute leukemia during pregnancy: the Toronto Leukemia Study Group experience with long-term follow-up of children exposed in utero to chemotherapeutic agents. Reynoso EE, et al. **J Clin Oncol** 1987 Jul;5(7):1098–106

Chemotherapy for gestational trophoblastic tumors. Takamizawa H, et al. **Semin Surg Oncol** 1987;3(1):36–44

[Acute leukemia and pregnancy] Abele P, et al.

Dtsch Med Wochenschr 1986 Oct 3;111(40):1527–32 **(Ger)**

[Diagnosis and intensive treatment of acute leukemia in pregnancy] Sierra J, et al. **Med Clin (Barc)** 1987 Jan 10; 88(1):28–31 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Smoking and cervical intraepithelial neoplasia. An association independent of sexual and other risk factors? Hellberg D, et al. **Acta Obstet Gynecol Scand** 1986;65(6):625–31

Pregnancy as a predisposing factor in thyroid neoplasia. Rosen IB, et al. **Arch Surg** 1986 Nov;121(11):1287–90

Supraglottic hemangioma during pregnancy. Brandwein MS, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):450–3

A large meningioma presenting as a neurologic emergency in late pregnancy. DeGrood RM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):439–40

Diffuse uterine leiomyomatosis: a case study with pregnancy complicated by intrapartum hemorrhage. Grignon DJ, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):477–80

IMMUNOLOGY

Immunobiology of complete molar pregnancy and gestational trophoblastic tumor. Berkowitz RS, et al. **Cancer Metastasis Rev** 1986;5(2):109–23 (88 ref.)

[Activity of T lymphocytes in gastric and colonic cancers and in early gravid decidua] Si LS. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):385–7, 446 (Eng. Abstr.) **(Chi)**

MORTALITY

[Melanoma of the skin and pregnancy] Trapeznikov NN, et al. **Vopr Onkol** 1987;33(6):40–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Hairy cell leukemia in pregnancy: a case report. Williams JK. **Am J Obstet Gynecol** 1987 Jan;156(1):210–1

Pregnancy-related primary brain and spinal tumors. Roelvink NC, et al. **Arch Neurol** 1987 Feb;44(2):209–15 (128 ref.)

[Carcinoma of the cervix in pregnancy] Yamabe T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):151–5 **(Jpn)**

PATHOLOGY

Fatal course of malignant melanoma during pregnancy with dissemination to the products of conception. Møller D, et al. **Acta Obstet Gynecol Scand** 1986;65(5):501–2

Epithelial atypia in ovarian mucinous cystadenoma during the puerperium. Spaun E, et al. **Acta Obstet Gynecol Scand** 1986;65(5):505–6

Ovarian mature teratoma with homunculus coexisting with an intrauterine pregnancy. Miyake J, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1192–4

Chorioangioma of the placenta: a case report. Raman S, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):55–7

Intracardiac mass in a young woman with a history of brain tumor [clinical conference] Singal KK, et al. **Chest** 1987 Aug;92(2):337–41

Extraskeletal Ewing's sarcoma in a pregnant woman: a case report. Gennatas CS, et al. **Eur J Surg Oncol** 1987 Apr; 13(2):163–5

Decidual change in pelvic lymph nodes: a source of possible diagnostic error. Burnett RA, et al. **Histopathology** 1986 Oct;10(10):1089–92

Pregnancy and hormonal influences on malignant melanoma. Schwartz BK, et al. **J Dermatol Surg Oncol** 1987 Mar; 13(3):276–81

Ovarian carcinoid and pregnancy. A case report. Dombrowski M, et al. **J Reprod Med** 1986 Aug;31(8):732–3

Hypertension in pregnancy complicated by cardiorespiratory and neurological impairment [clinical conference] Lowe S, et al. **Med J Aust** 1987 Feb 16;146(4):211–4

Fetal hemorrhage from umbilical cord hemangioma. Dombrowski MP, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):439–42

Cystadenoma of the biliary system presenting as an abdominal mass in pregnancy. Pelish TL, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):466–8

Clara cell and type II pneumocyte adenoma. An immunocytochemical and ultrastructural study of three cases. Franco V, et al. **Pathologica** 1986 Sep–Oct; 78(1057):593–602

Hemangioma of the umbilical cord. Mishriki YY, et al. **Pediatr Pathol** 1987;7(1):43–9

Epithelial neoplasia of the endometrium in pregnancy. A case report. Carinelli SG, et al. **Tumori** 1987 Apr 30;73(2):175–80

Vena occlusive disease simulated by a metastasis of gastric cancer during pregnancy. Varga M, et al. **Z Rechtsmed** 1986;97(3):219–22

[Preclinical forms of cancer of the uterine cervix in pregnant women] Querleu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(8):1122–4 **(Fre)**

[Cytologic findings in ectopia of the decidua (deciduosis) of the portio vaginalis uteri] Wunderlich M. **Zentralbl Gynakol** 1986;108(15):925–9 (Eng. Abstr.) **(Ger)**

[Development of a case of carcinoma in situ in pregnancy] Giannoni M. **Minerva Ginecol** 1986 Dec;38(12):1011–2 **(Ita)**

[A case of acute promyelocytic leukemia diagnosed on the 5th day after delivery] Tanaka S, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1904–8 (Eng. Abstr.) **(Jpn)**

[Polymorphic reticulosis and full term pregnancy] Bistué R, et al. **Medicina (B Aires)** 1985;45(4):469–71 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pregnancy outcome in cancer patients. Experience in a large cooperative group. Mulvihill JJ, et al. **Cancer** 1987 Sep 1;60(5):1143–50

[Effect of pregnancy on Recklinghausen's disease (letter)] Douvier S, et al. **Presse Med** 1987 May 16;16(18):916 **(Fre)**

[Course of 2 pregnancies and labor after bilateral adrenalectomy and Nelson syndrome] Krzysiek J, et al. **Endokrynol Pol** 1986;37(3):131–8 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Low-dose digital urography in the pregnant patient. Albert SA, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):926–8

The computed tomographic appearances of benign hepatic hamartoma. Jennings CM, et al. **Clin Radiol** 1987 Jan; 38(1):103–4

Mesenteric desmoid tumor: differential diagnosis with computed tomography. Dunn T, et al. **J Am Osteopath Assoc** 1987 Apr;87(4):314–7

Case report 414: Nodular sclerosing Hodgkin disease involving sternum and chest wall. Sullivan WT, et al. **Skeletal Radiol** 1987;16(2):166–9

RADIONUCLIDE IMAGING

Bone scanning in pregnant patients with breast carcinoma. Baker J, et al. **Clin Nucl Med** 1987 Jul;12(7):519–24

RADIOTHERAPY

Radiation therapy in the management of gestational choriocarcinoma metastatic to the central nervous system. Yordan EL Jr, et al. **Obstet Gynecol** 1987 Apr;69(4):627–30

SECRETION

Virilization of two siblings by maternal androgen-secreting adrenal adenoma. O'Leary TJ, et al. **J Pediatr** 1986 Nov; 109(5):840–2

SURGERY

Anesthetic management of pheochromocytoma resection during pregnancy. Mitchell SZ, et al. **Anesth Analg** 1987 May;66(5):478–80

Spontaneous rupture of an hepatic adenoma in pregnancy with survival of mother and fetus. Monks PL, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):155–7

Left atrial myxoma in the second trimester of pregnancy. Case report. Mann MS, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):592–3

Genital condylomata acuminata in pregnancy: effectiveness, safety and pregnancy outcome following cryotherapy. Matsunaga J, et al. **Br J Obstet Gynaecol** 1987 Feb; 94(2):168–72

Renal cell carcinoma in pregnancy. Walker JL, et al. **Cancer** 1986 Nov 15;58(10):2343–7

Failure of prophylactic surgery to avert massive pituitary expansion in pregnancy. Belchetz PE, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):325–30

Adnexal surgery in pregnancy. Hopkins MP, et al. **J Reprod Med** 1986 Nov;31(11):1035–7

Cervical cryotherapy for condylomata acuminata during pregnancy. Bergman A, et al. **Obstet Gynecol** 1987 Jan; 69(1):47–50

Elective cesarean hysterectomy versus vaginal hysterectomy for the treatment of cervical intraepithelial neoplasia. McNulty B, et al. **South Med J** 1987 Aug;80(8):984–6

[Ruptured adenoma of the liver with severe pulmonary embolism discovered during a cesarean section] Aulagnier G, et al. **J Chir (Paris)** 1986 Nov;123(11):651–3 (Eng. Abstr.) **(Fre)**

[Surgical treatment of ovarian tumors in pregnancy] Nowakowska-Kosmalska B, et al. **Wiad Lek** 1986 Dec 15; 39(24):1675–7 **(Pol)**

[Current management of carcinoma of the cervix. Stage IB and pregnancy] Bernal Bastidas S, et al. **Ginecol Obstet Mex** 1986 Nov;54:290–3 (Eng. Abstr.) **(Spa)**

THERAPY

Pregnancy and head and neck malignancy. Bahadur S, et al. **Indian J Cancer** 1986 Mar;23(1):64–8

[Pregnancy following surgery for cancer of the breast] Querleu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):633–9 (Eng. Abstr.) **(Fre)**

[Cancer of the breast and pregnancy] Colin C, et al. **Rev Med Liege** 1987 Apr 15;42(8):297–301 **(Fre)**

[Conservative procedures in 64 pregnant patients with myoma: the course of pregnancy, labor, and the puerperium] Döring GK, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):26–9 (Eng. Abstr.) **(Ger)**

[Malignant neoplasms in pregnancy--report of 28 cases treated in our hospital] Matsuyama T, et al. **Gan No Rinsho** 1986 Sep;32(11):1431–7 (Eng. Abstr.) **(Jpn)**

[Malignant ovarian tumors associated with pregnancy] Terashima Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):145–50 **(Jpn)**

[Gestational trophoblastic neoplasms] Cruzat L, et al. **Rev Chil Obstet Ginecol** 1985;50(2):95–106 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Pseudosarcoma botyroides in pregnancy: report of a case with ultrastructural observations. Mitchell M, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):522–6

VETERINARY

Gross liver in a cow [letter] Scott WA. **Vet Rec** 1986 Aug 30;119(9):224

PREGNANCY, ECTOPIC

Ectopic pregnancy combined with intra-uterine twin pregnancy. Udesen M, et al. **Acta Obstet Gynecol Scand** 1986;65(8):871–2

Ectopic pregnancy. **Clin Obstet Gynecol** 1987 Mar; 30(1):117–246

The rising incidence of heterotopic pregnancy: two case reports. Vanderheyden JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):341–6

A preoperative classification to predict the intrauterine and ectopic pregnancy rates after distal tubal microsurgery. Mage G, et al. **Fertil Steril** 1986 Nov;46(5):807–10

Ectopic pregnancy in unrepaired distal tubal remnant after contralateral tubal anastomosis. Silva PD, et al. **Fertil Steril** 1987 Mar;47(3):522–3

Ovarian and intrauterine heterotopic pregnancy following clomiphene ovulation induction: report of a healthy live birth. McLain PL, et al. **J Fam Pract** 1987 Jan;24(1):76–9

Combined twin ectopic pregnancy and intrauterine gestation following in vitro fertilization and embryo transfer. Porter R, et al. **J In Vitro Fert Embryo Transfer** 1986 Oct; 3(5):330–2

Gonadotropin-induced successful follicular development, oocyte recovery, fertilization, and cleavage of embryos in undiagnosed early pregnancy. Sharma V, et al. **J In Vitro Fert Embryo Transfer** 1987 Feb;4(1):61–3

Ectopic pregnancy. Osguthorpe NC. **J Obstet Gynecol Neonatal Nurs** 1987 Jan–Feb;16(1):36–41

Ovarian pregnancy. Higgins RV, et al. **NC Med J** 1987 Jul; 48(7):391–2

Combined extra- and intra-uterine pregnancy--a diagnostic problem. A case report. Heard NM. **S Afr Med J** 1987 Aug 15;72(4):286–7

[Clinical aspects, surgical treatment and prevention of extra-uterine pregnancy. Apropos of 70 surgically treated cases] Boulieu D, et al. **Rev Fr Gynecol Obstet** 1986 Nov; 81(11):597–607 **(Fre)**

BLOOD

Clinical value of pregnancy-specific beta 1-glycoprotein (SP1) and beta-hCG determination in serum in suspected ectopic pregnancy. Sørensen S, et al. **Acta Obstet Gynecol Scand** 1986;65(7):679–83

Declining serum concentrations of the beta-subunit of human chorionic gonadotropin and ruptured ectopic pregnancy. Gretz E, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):940–1

Luteal function in ectopic pregnancy. Hubinont CJ, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):669–74

The disappearance rate of Schwangerschaftsprotein 1 in normal and pathological pregnancies. Huttenmoser JL, et al. **Br J Obstet Gynaecol** 1987 May;94(5):420–4

Regression of beta-subunit hCG after normal delivery, spontaneous abortions and ectopic pregnancy. Towobola OA, et al. **East Afr Med J** 1987 Jan;64(1):71–7

Maternal serum levels of estradiol, progesterone and human chorionic gonadotropin in ectopic pregnancy and their correlation with endometrial histologic findings. Guillaume J, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):9–12

[SP1-glycoprotein and beta-HCG during the first trimester in physiological, ectopic and abortive pregnancies] Fanizza G, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr; 108(2):77–82 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Rupture of cornual ectopic pregnancy after dilatation and curretage. Zorko MF. **Ann Emerg Med** 1987 Jul; 16(7):808–10

Severe clostridium infection following perforation of the uterus in a patient with an ectopic pregnancy. Knitza R, et al. **Arch Gynecol** 1987;240(3):191–4

Incidental pregnancy luteoma associated with ectopic tubo-ovarian pregnancy: evidence in favor of origin from theca interna of an atretic follicle. Honoré LH, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):15–9

[Term pregnancy in a rudimentary uterine horn with a live infant. An unusual case report] Chelli H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):647–53 (Eng. Abstr.) **(Fre)**

[Rupture of the pregnant uterine horn following salpingectomy with resection of the interstitial portion. Report of 3 cases of which one followed in-vitro

fertilization and embryo transfer] Lizan G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):641–6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnosis and management of ectopic pregnancy. Younger JB. **Ala J Med Sci** 1986 Oct;23(4):444–6

Maternal death due to unnoticed ectopic pregnancy during prostaglandin-induced abortion. Segerberg-Konttinen M. **Am J Forensic Med Pathol** 1986 Sep;7(3):244–5

Observations on the log human chorionic gonadotropin–time relationship in early pregnancy and its practical implications. Kadar N, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):73–8

Utility of a sensitive bedside serum pregnancy test. Gennis P, et al. **Ann Emerg Med** 1987 Jun;16(6):659–61

Emergency serum and urine HCG analyses with the 'Tandem ICON' procedure. Tsokos N, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):284–6

Advanced unruptured interstitial gestation. Case report. Fraser RB. **Br J Obstet Gynaecol** 1986 Oct;93(10):1091–2

Predictive value of plasma human chorionic gonadotrophin beta subunit in diagnosing ectopic pregnancy after in vitro fertilisation and embryo transfer. Okamoto SH, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):667–70

Choriogonadotropin determination in serum is preferable for early diagnosis of ectopic pregnancy. Daae LN. **Clin Chem** 1987 Sep;33(9):1669

Combined pelvic sonography and serum beta hCG, versus laparoscopy for the diagnosis of stable patient suspected of ectopic pregnancy. Achiron R, et al. **Clin Exp Obstet Gynecol** 1987;14(1):15–22

Nontubal ectopic pregnancy. Bayless RB. **Clin Obstet Gynecol** 1987 Mar;30(1):191–9 (29 ref.)

The value of ultrasound in ectopic pregnancy. de Crespigny LC. **Clin Obstet Gynecol** 1987 Mar;30(1):136–47 (20 ref.)

The use of hCG and other pregnancy proteins in the diagnosis of ectopic pregnancy. Seppälä M, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):148–54 (35 ref.)

Clinical diagnosis of ectopic pregnancy. Weckstein LN. **Clin Obstet Gynecol** 1987 Mar;30(1):236–44 (28 ref.)

Chronic ectopic pregnancy. A comparison with acute ectopic pregnancy. Bedi DG, et al. **Eur J Radiol** 1987 Feb;7(1):46–8

Expectant management of presumed ectopic pregnancies. Garcia AJ, et al. **Fertil Steril** 1987 Sep;48(3):395–400

Acute rupture of an ovarian pregnancy associated with a negative serum B-HCG. Feigin M, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):369–71

Diagnostic value of ultrasound scanning and beta-human chorionic gonadotropin in stable patients suspected of ectopic pregnancy. Achiron R, et al. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):594–6

Ectopic pregnancy: 'classic' vs common presentation. Andolsek KM. **J Fam Pract** 1987 May;24(5):481–5

Ectopic pregnancy with shock and undetectable beta-human chorionic gonadotropin. A case report. Lonky NM, et al. **J Reprod Med** 1987 Jul;32(7):559–60

Ectopic pregnancy. Diagnosis by sonography correlated with quantitative HCG levels. Nyberg DA, et al. **J Ultrasound Med** 1987 Mar;6(3):145–50

Delayed ectopic pregnancies after sterilization. Bisits A, et al. **Med J Aust** 1987 Aug 3;147(3):138–9

Early recognition of ectopic pregnancy in an infertility population. Dinsmoor M, et al. **Obstet Gynecol** 1986 Dec; 68(6):859–62

Combined pregnancy: the Mount Sinai experience. Bello GV, et al. **Obstet Gynecol Surv** 1986 Oct;41(10):603–13

Ectopic pregnancy: the role of sonography. Filly RA. **Radiology** 1987 Mar;162(3):661–8 (51 ref.)

Abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels [letter] Kadar N, et al. **Radiology** 1986 Dec;161(3):854–5

[Laparoscopy and puncture of Douglas' pouch in the diagnosis of extrauterine pregnancy] Mardelić T, et al. **Cesk Gynekol** 1986 Nov;51(9):736–9 **(Cze)**

[Comparison of the reliability of available methods for the detection and elimination of extrauterine pregnancy] Rohlíček J, et al. **Cesk Gynekol** 1986 Sep;51(8):621–4 **(Cze)**

[Simultaneous intrauterine and extrauterine pregnancies] Andersen ES, et al. **Ugeskr Laeger** 1987 Apr 13; 149(16):1072–3 (Eng. Abstr.) **(Dan)**

[Improvement in the clinical picture of ectopic pregnancy following use of ultrasonography] Watanabe Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2152–6 (Eng. Abstr.) **(Jpn)**

[New, simple and sensitive urinary and blood pregnancy tests. A market study with special reference to the diagnosis of extra-uterine pregnancies] Daae LN, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):656–8 (Eng. Abstr.) **(Nor)**

[A case of 5-month ovarian pregnancy] Bińkowska M, et al. **Pol Tyg Lek** 1986 Aug 4;41(31):981–2 (Eng. Abstr.) **(Pol)**

[Ovarian pregnancy] Ganzhuk VA, et al. **Sov Med** 1986; (7):119–20 **(Rus)**

[Ectopic pregnancy. A critical review] Mañas C, et al. **Med Clin (Barc)** 1986 Oct 25;87(13):535–8 (Eng. Abstr.) **(Spa)**

[Ectopic pregnancy (experience in 132 cases)] Sepúlveda W, et al. **Rev Chil Obstet Ginecol** 1985;50(3):239–43 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of ectopic pregnancy with methotrexate. Haans LC, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan; 24(1):63–7

The medical treatment of unruptured ectopic pregnancy with methotrexate and citrovorum rescue: preliminary experience. Rodi IA, et al. **Fertil Steril** 1986 Nov; 46(5):811–3

Cervical pregnancy—report of a case with unsuccessful treatment of methotrexate. Cheng YT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):1000–9

ETIOLOGY

Ovarian pregnancy associated with the intra-uterine contraceptive device. A survey of two decades. Sandvei R, et al. **Acta Obstet Gynecol Scand** 1987;66(2):137–41

The intrauterine device and ectopic pregnancy. Edelman DA, et al. **Adv Contracept** 1986 Mar;2(1):55–63

Etiological aspects of ectopic pregnancy in nulliparous women. Dhall K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):187–91

The hormonal basis of ectopic pregnancy. Lavy G, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):217–24 (28 ref.)

The etiology of ectopic pregnancy. Russell JB. **Clin Obstet Gynecol** 1987 Mar;30(1):181–90 (36 ref.)

Role of transmigration and abnormal embryogenesis in ectopic pregnancy. Sopelak VM, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):210–6

Fallopian tube obstruction as a sequela to Chlamydia trachomatis infection. Kosseim M, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):584–90

Background factors of ectopic pregnancy. II. Risk estimation by means of a logistic model. Thorburn J, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec;23(5–6):333–40

Background factors of ectopic pregnancy. I. Frequency distribution in a case-control study. Thorburn J, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec;23(5–6):321–31

Tubal causes of ectopic pregnancy. Dubuisson JB, et al. **Fertil Steril** 1986 Nov;46(5):970–2

Ectopic pregnancy: its relationship to tubal reconstructive surgery. Lavy G, et al. **Fertil Steril** 1987 Apr;47(4):543–56 (95 ref.)

Interstitial pregnancy following bilateral salpingectomy and in vitro fertilization–embryo transfer. Pavić N, et al. **Fertil Steril** 1986 Oct;46(4):701–2

In-vitro fertilization and embryo transfer: a collaborative study of 1163 pregnancies on the incidence and risk factors of ectopic pregnancies. Cohen J, et al. **Hum Reprod** 1986 Jun;1(4):255–8

Ovarian pregnancy in association with a Copper 7 intrauterine contraceptive device. Johnston B. **J R Army Med Corps** 1987 Jun;133(2):94–5

Asymptomatic rupture of a rudimentary uterine horn. Muram D, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):486–7

["Chronic salpingitis and extra-uterine pregnancy" (letter)] Philippe E. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(2):261 **(Fre)**

[Positive cultures for Chlamydia trachomatis in women with extrauterine pregnancy (letter)] Diquelou JY, et al. **Presse Med** 1987 Jan 10–17;16(1):32 **(Fre)**

[Cervical pregnancy in Asherman's syndrome] Kłyszejko C, et al. **Ginekol Pol** 1987 Jan;58(1):46–8 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

The expression of class II MHC gene products by fallopian tube epithelium in pregnancy and throughout the menstrual cycle. Bulmer JN, et al. **Immunology** 1987 Jun;61(2):207–13

METABOLISM

Beta hCG dynamics in ectopic pregnancy. Pittaway DE. **Clin Obstet Gynecol** 1987 Mar;30(1):129–35 (30 ref.)

Placental proteins in peripheral blood and tissues of ectopic pregnancies. Tornehave D, et al. **Gynecol Obstet Invest** 1987;23(2):97–102

OCCURRENCE

Repeat ectopic pregnancy. A twenty-year hospital survey. Sandvei R, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):35–40

Trends in ectopic pregnancy in New Zealand. Macintosh MC. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):145–8

Time trends of ectopic pregnancies. Hemminki E, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):322–7

Ectopic pregnancy in Finland 1967–83: a massive increase. Mäkinen JI. **Br Med J [Clin Res]** 1987 Mar 21; 294(6574):740–1

Epidemiology of ectopic pregnancy. Dorfman SF. **Clin Obstet Gynecol** 1987 Mar;30(1):173–80

Ectopic pregnancy in the United States, 1970–1983. Atrash HK, et al. **MMWR CDC Surveill Summ** 1986 Aug; 35(2):29SS–37SS

Seasonal variation in conception and various pregnancy outcomes. Warren CW, et al. **Soc Biol** 1986 Spring–Summer;33(1–2):116–26

[Epidemiologic study on ectopic pregnancy associated with IUD] Zhang ZM. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):228–31, 253 (Eng. Abstr.) **(Chi)**

[Epidemiologic study of extra-uterine pregnancy. Apropos of 375 cases] Lemoine JP, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):175–83 (Eng. Abstr.) **(Fre)**

[Ectopic pregnancy in the Wielkopolska region 1980–1985. I. Incidence, detection and diagnosis of ectopic pregnancy] Pisarski T, et al. **Ginekol Pol** 1987 Feb;58(2):81–6 (Eng. Abstr.) **(Pol)**

PATHOLOGY

The value of curettage in the diagnosis of ectopic pregnancy. Ollendorff DA, et al. **Am J Obstet Gynecol** 1987 Jul; 157(1):71–2

Ectopic pregnancy: in vitro effects of prostaglandins on the oviduct and corpus luteum. Hahlin M, et al. **Fertil Steril** 1987 Jun;47(6):935–40

[Rare case of a 5-month pregnancy in the rudimentary horn with placenta percreta] Milchev N, et al. **Akush Ginekol (Sofiia)** 1987;26(2):74–5 **(Bul)**

[Ovarian metastasis of cancer of the small intestine with simultaneous ovarian pregnancy] Rohde E, et al. **Zentralbl Gynakol** 1986;108(19):1184–8 (Eng. Abstr.) **(Ger)**

SURGERY

Fertility following ectopic pregnancy with special reference to previous use of an intra-uterine contraceptive device (IUCD). Sandvei R, et al. **Acta Obstet Gynecol Scand** 1987; 66(2):131–5

Outpatient management of ectopic pregnancies. Loffer FD. **Am J Obstet Gynecol** 1987 Jun;156(6):1467–72

Surgical techniques in the management of ectopic pregnancy. Diamond MP, et al. **Clin Obstet Gynecol** 1987 Mar; 30(1):200–9

Operative laparoscopy. Murphy AA. **Fertil Steril** 1987 Jan; 47(1):1–18 (82 ref.)

Conservative laparoscopic treatment of 321 ectopic pregnancies. Pouly JL, et al. **Fertil Steril** 1986 Dec; 46(6):1093–7

Intrauterine pregnancy following conservative treatment of cervical pregnancy. Faustin D, et al. **J Ultrasound Med** 1987 Aug;6(8):467–70

Hepatic ectopic pregnancy: successful surgical treatment of a patient with hepatic pregnancy and acute hemorrhage. Paulino-Netto A, et al. **Mt Sinai J Med (NY)** 1986 Sep; 53(7):514–7

Persistent ectopic syndrome: a case report and literature review. Bell OR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):521–3

Hemolytic uremic syndrome after ectopic pregnancy: postectopic nephrosclerosis. Creasy GW, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):448–9

[Decrease in HCG levels after conservative laparoscopic treatment of extra-uterine pregnancy] Pouly JL, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):195–9 (Eng. Abstr.) **(Fre)**

[Conservative celioscopic treatment of extra-uterine pregnancy. 10 years' experience and 321 cases] Pouly JL, et al. **Rev Fr Gynecol Obstet** 1986 Nov;81(11):584–90 **(Fre)**

[Microsurgery in gynecology—indications, results and limitations] Hohl MK, et al. **Ther Umsch** 1987 May; 44(5):350–7 (Eng. Abstr.) **(Ger)**

[A case of 17-week pregnancy implanted intramurally in the uterine horn with the fetus developing between the laminae of the broad ligament] Siennicki M, et al. **Ginekol Pol** 1987 Jan;58(1):49–51 (Eng. Abstr.) **(Pol)**

[Predicting the course of the postoperative period in gynecologic patients] Glibin VN, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):32–4 **(Rus)**

[Average length of hospital stay and the criteria for discharge of gynecologic patients] Selezneva ND, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):72–8 **(Rus)**

THERAPY

The nonsurgical management of ectopic pregnancy. Shapiro BS. **Clin Obstet Gynecol** 1987 Mar;30(1):230–5 (21 ref.)

Spontaneous recovery of ectopic pregnancy: a preliminary report. Dericks-Tan JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jul;25(3):181–5

Nonsurgical treatment of ectopic pregnancy [letter] Martin DC. **Fertil Steril** 1987 Aug;48(2):344–6

Nonsurgical treatment of ectopic pregnancy. Ory SJ. **Fertil Steril** 1986 Nov;46(5):767–9

Local prostaglandin F2 alpha injection for termination of ectopic pregnancy. Lindblom B, et al. **Lancet** 1987 Apr 4;1(8536):776–7

[Effect of an antiprogesterone (RU 486) on extra-uterine pregnancy] Paris FX, et al. **Rev Fr Gynecol Obstet** 1986 Nov;81(11):607–9 **(Fre)**

[Role of abstention in the treatment of extra-uterine pregnancy] Raudrant D, et al. **Rev Fr Gynecol Obstet** 1986 Nov;81(11):594–7 **(Fre)**

URINE

Bedside application of an ultrasensitive urine test for HCG in patients with suspected ectopic pregnancy. Buck RH, et al. **Ann Clin Biochem** 1987 May;24 (Pt 3):268–72

[Diagnosis of suspected ectopic pregnancy using an immunoenzyme method for urinary HCG] Ahlgren M, et al. **Lakartidningen** 1987 Mar 4;84(10):760–3 (Eng. Abstr.) **(Swe)**

VETERINARY

[Primary and secondary extrauterine pregnancy in a cat] Laube T. **Tierarztl Prax** 1986;14(4):509–13 (Eng. Abstr.) (Ger)

PREGNANCY, FIRST TRIMESTER see **PREGNANCY TRIMESTER, FIRST**

PREGNANCY IN ADOLESCENCE

Sociocultural characteristics of pregnant and nonpregnant adolescents of low socioeconomic status: a comparative study. Alvarez ML, et al. **Adolescence** 1987 Spring; 22(85):149–56

Pregnant adolescents attending prenatal parent education classes: self-concept, anxiety and depression levels. Lineberger MR. **Adolescence** 1987 Spring;22(85):179–93

Teenagers' perceived and actual probabilities of pregnancy. Namerow PB, et al. **Adolescence** 1987 Summer; 22(86):475–85

Family functioning and the adolescent mother: a systems approach. Nathanson M, et al. **Adolescence** 1986 Winter; 21(84):827–41

Contrasts in the self-esteem of unwed teenage mothers. Streetman LG. **Adolescence** 1987 Summer;22(86):459–64

Mother and daughter perceptions of their relationship: the influence of adolescent pregnancy status. Townsend JK, et al. **Adolescence** 1987 Summer;22(86):487–96

Adolescent unwed prospective fathers: readiness for fatherhood and behaviors toward the mother and the expected infant. Westney OE, et al. **Adolescence** 1986 Winter;21(84):901–11

The infant mortality and teen-age pregnancy rates among Alabamians. Thomas C. **Ala Med** 1986 Jun;55(12):26, 31

Effects of increased dietary calcium intake upon the calcium and bone mineral status of lactating adolescent and adult women. Chan GM, et al. **Am J Clin Nutr** 1987 Aug; 46(2):319–23

Vitamin B-6 nutriture and plasma diamine oxidase activity in pregnant Hispanic teenagers. Martner-Hewes PM, et al. **Am J Clin Nutr** 1986 Dec;44(6):907–13

Prevention and ecology: teen-age pregnancy, child sexual abuse, and organized youth sports. Reppucci ND. **Am J Community Psychol** 1987 Feb;15(1):1–22

The road not taken. Janowski MJ. **Am J Nurs** 1987 Mar; 87(3):334–5

Teenage pregnancy: a multiracial sociologic problem. Hollingsworth DR, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):741–6

The impact of a parental notification law on adolescent abortion decision-making. Blum RW, et al. **Am J Public Health** 1987 May;77(5):619–20

The effects of race, residence, and prenatal care on the relationship of maternal age to neonatal mortality. Geronimus AT. **Am J Public Health** 1986 Dec; 76(12):1416–21

Risk of fatherhood among black teenage males. Rivara FP, et al. **Am J Public Health** 1987 Feb;77(2):203–5

Adolescent abortion. Psychological and legal issues. Interdivisional Committee on Adolescent Abortion. **Am Psychol** 1987 Jan;42(1):73–8

Minors' competence to consent to abortion. Lewis CC. **Am Psychol** 1987 Jan;42(1):84–8

Counseling adolescents with problem pregnancies. Marecek J. **Am Psychol** 1987 Jan;42(1):89–93

Adolescent abortion. Psychological perspectives on public policy. Melton GB, et al. **Am Psychol** 1987 Jan;42(1):69–72

Legal regulation of adolescent abortion. Unintended effects. Melton GB. **Am Psychol** 1987 Jan;42(1):79–83

The psychosocial aspects of adolescent pregnancy: a dental perspective. Thwaites MS, et al. **ASDC J Dent Child** 1986 Sep-Oct;53(5):371–4

Poverty and teenage pregnancy. Williams S, et al. **Br Med J** 1987 Jan 3;294(6563):20–1

Schoolgirl mothers [editorial] Black D. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1047

Poverty and teenage pregnancy [letter] Blondel B, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):645

Pregnancy and birth complications in antisocial adolescents and their siblings. Szatmari P, et al. **Can J Psychiatry** 1986 Aug;31(6):513–6

The social ecology and early parenting of Caucasian adolescent mothers. Garcia Coll CT, et al. **Child Dev** 1987 Aug;58(4):955–63

Routes to self-sufficiency: teenage mothers and employment. Polit DF. **Child Today** 1987 Jan-Feb;16(1):6–11

Pregnant adolescents: communicating the adoption option. Mech EV. **Child Welfare** 1986 Nov-Dec;65(6):555–67

Pelvic "doughnut". Sign of incidental pregnancy on bone scintigraphy. Mandell GA, et al. **Clin Nucl Med** 1987 Feb; 12(2):116–7

Ethical and legal issues in adolescent pregnancy. Silber TJ. **Clin Perinatol** 1987 Jun;14(2):265–70 (35 ref.)

The effect of marital status at first birth on marital dissolution among adolescent mothers. Billy JO, et al. **Demography** 1986 Aug;23(3):329–49

Risking the future: a symposium on the National Academy of Sciences report on teenage pregnancy. **Fam Plann Perspect** 1987 May-Jun;19(3):119–25

Adolescent Family Life Act of 1981 found unconstitutional. **Fam Plann Perspect** 1987 May-Jun;19(3):134–6

A technical knockout for parental notification. **Fam Plann Perspect** 1987 Jan-Feb;19(1):36–8

Estimating the public costs of teenage childbearing. Burt MR. **Fam Plann Perspect** 1986 Sep-Oct;18(5):221–6

Will grandparent liability help curb teenage pregnancy? Donovan P. **Fam Plann Perspect** 1986 Nov-Dec; 18(6):264–8

School-based health clinics: a new approach to preventing adolescent pregnancy? Dryfoos J. **Fam Plann Perspect** 1985 Mar-Apr;17(2):70–5

Supporting teenagers' use of contraceptives: a comparison of clinic services. Herceg-Baron R, et al. **Fam Plann Perspect** 1986 Mar-Apr;18(2):61–6

Teenage pregnancy in developed countries: determinants and policy implications. Jones EF, et al. **Fam Plann Perspect** 1985 Mar-Apr;17(2):53–63

Teenagers talk about sex, pregnancy and contraception. Kisker EE. **Fam Plann Perspect** 1985 Mar-Apr;17(2):83–90

Elucidating differences in teenage pregnancy [letter] Loken GA. **Fam Plann Perspect** 1987 Mar-Apr;19(2):44, 90

The effects of the sequencing of marriage and first birth during adolescence. McLaughlin SD, et al. **Fam Plann Perspect** 1986 Jan-Feb;18(1):12–8

The health consequences of teenage fertility. Makinson C. **Fam Plann Perspect** 1985 May-Jun;17(3):132–9

The impact of sex education on sexual activity, contraceptive use and premarital pregnancy among American teenagers. Marsiglio W, et al. **Fam Plann Perspect** 1986 Jul-Aug; 18(4):151–62

Early childbearing and completion of high school. Mott FL, et al. **Fam Plann Perspect** 1985 Sep-Oct;17(5):234–7

The pace of repeated childbearing among young American mothers. Mott FL. **Fam Plann Perspect** 1986 Jan-Feb; 18(1):5–12

Project Redirection: evaluation of a comprehensive program for disadvantaged teenage mothers. Polit DF, et al. **Fam Plann Perspect** 1985 Jul-Aug;17(4):150–5

Adolescent pregnancy in the United States: an interstate analysis. Singh S. **Fam Plann Perspect** 1986 Sep-Oct; 18(5):210–20

Comprehensive programs for pregnant teenagers and teenage parents: how successful have they been? Weatherley RA, et al. **Fam Plann Perspect** 1986 Mar-Apr;18(2):73–8

Doing something about teenage pregnancy [editorial] Wulf D, et al. **Fam Plann Perspect** 1985 Mar-Apr;17(2):52

Evaluation of a pregnancy prevention program for urban teenagers. Zabin LS, et al. **Fam Plann Perspect** 1986 May-Jun;18(3):119–26

Teenage pregnancy [letter] Zelnik M. **Fam Plann Perspect** 1985 Jul-Aug;17(4):187–9

On adolescent parenthood and public policy. Nathanson CA. **Health Educ Q** 1987 Summer;14(2):v–vii

School clinics help kids and hospitals, too. Cherskov M. **Hospitals** 1986 Nov 5;60(21):95

Status of family life education in Iowa. **Iowa Med** 1987 May; 77(5):253–4

Psychosocial aspects of Mexican-American, white, and black teenage pregnancy. Felice ME, et al. **J Adolesc Health Care** 1987 Jul;8(4):330–5

Clinical observations of Mexican-American, Caucasian, and black pregnant teenagers. Felice ME, et al. **J Adolesc Health Care** 1986 Sep;7(5):305–10

Effects of social supports on attitudes and health behaviors of pregnant adolescents. Giblin PT, et al. **J Adolesc Health Care** 1987 May;8(3):273–9

Contraceptive use. A comparison between ever- and never-pregnant adolescents. Kalmuss DS. **J Adolesc Health Care** 1986 Sep;7(5):332–7

Teenage pregnancy and parenthood in Illinois. Estimated 1979–1983 costs. Reis J. **J Adolesc Health Care** 1987 Mar; 8(2):177–87

Smoking and adolescent pregnancy outcome. Scholl TO, et al. **J Adolesc Health Care** 1986 Nov;7(6):390–4

Hispanic adolescent conception and contraception profiles. A comparison. Smith PB, et al. **J Adolesc Health Care** 1987 Jul;8(4):352–5

Contraceptive experience and attitudes to motherhood of teenage mothers. Ineichen B. **J Biosoc Sci** 1986 Oct; 18(4):387–94

Teenage pregnancy in an urban hospital setting. Davis JK, et al. **J Community Health** 1986 Winter;11(4):259–67

Sociologic aspects of adolescent fertility and childbearing among Hispanics. Smith PB. **J Dev Behav Pediatr** 1986 Dec;7(6):346–9

Mental health of adolescent mothers: the implications of depression and drug use. Zuckerman BS, et al. **J Dev Behav Pediatr** 1987 Apr;8(2):111–6 (49 ref.)

Unintended pregnancy—a U.S. problem. McCammon RE. **J Fla Med Assoc** 1986 Oct;73(10):760–2

Differentiation of girls at risk of early pregnancy from the general population of adolescents. Walters LH, et al. **J Genet Psychol** 1987 Mar;148(1):19–29

Adolescent mothers, stress, and prevention. Schinke SP, et al. **J Human Stress** 1986 Winter;12(4):162–7

An analysis of teenage out-of-wedlock births in Kentucky, 1976–1984. Spurlock CW, et al. **J Ky Med Assoc** 1987 Jan; 85(1):7–14

Adolescent pregnancy: a 25-year review. Clark JF, et al. **J Natl Med Assoc** 1987 Apr;79(4):377–80

Teen Pregnancy Service. An interdisciplinary health care delivery system utilizing certified nurse-midwives. Goldberg BD, et al. **J Nurse Midwifery** 1986 Nov-Dec; 31(6):263–9

Adolescent pregnancy and incest [letter] Beard MB. **J Obstet Gynecol Neonatal Nurs** 1987 Jul-Aug;16(4):226, 236

Adolescent pregnancy and incest: the nurse's role as counselor. Zdanuk JM, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Mar-Apr; 16(2):99–104

Successful pregnancy in an adolescent with metastatic undifferentiated sarcoma. A case report. Bianchi DW, et al. **J Reprod Med** 1987 Jan;32(1):76–8

Comprehensive school-based health clinics: a growing movement to improve adolescent health and reduce teen-age pregnancy. Kirby D. **J Sch Health** 1986 Sep; 56(7):289–91

A developmental approach to pregnancy prevention with early adolescent females. Proctor SE. **J Sch Health** 1986 Oct;56(8):313–6 (21 ref.)

Prenatal education for pregnant adolescents. Timberlake B, et al. **J Sch Health** 1987 Mar;57(3):105–8

Leads from the MMWR. Pregnant Adolescent Group for Education and Support—Illinois. **JAMA** 1987 Sep 25; 258(12):1583–4

The medical and psychosocial impact of comprehensive care on adolescent pregnancy and parenthood. Elster AB, et al. **JAMA** 1987 Sep 4;258(9):1187–92

Youth pregnancy: a community solution [editorial] Marks JS, et al. **JAMA** 1987 Jun 26;257(24):3410

Reducing adolescent pregnancy through school and community-based education. Vincent ML, et al. **JAMA** 1987 Jun 26;257(24):3382–6

Yesterday's unwanted babies: today's teenage pregnancies [letter] Lovel H, et al. **Lancet** 1987 May 2;1(8540):1036–7

Adolescent pregnancy and loss. Bright PD. **Matern Child Nurs J** 1987 Spring;16(1):1–12

Care of postpartum adolescents. Fullar SA. **MCN** 1986 Nov-Dec;11(6):398–403

How well do adolescents mother? Ruff CC. **MCN** 1987 Jul-Aug;12(4):249–53

Sexually active teens [letter] Taylor BA. **Minn Med** 1987 May;70(5):297

Pregnant Adolescent Group for Education and Support—Illinois. **MMWR** 1987 Aug 28;36(33):549–50

Teenage pregnancy and fertility in the United States, 1970, 1974, and 1980. Spitz AM, et al. **MMWR CDC Surveill Summ** 1987 Feb;36(1):1SS–10SS

A local project to reduce teen pregnancy. Frazier P. **NC Med J** 1987 May;48(5):270–1

Remembering Bonnie. Kenney RD. **NC Med J** 1987 Feb; 48(2):96

What I learned from a pregnant teenage diabetic patient. Schwartz RP. **NC Med J** 1987 Jan;48(1):39

Teaching information and information-seeking skills concerning prenatal drug effects: successful intervention at the high school level. Olson LW. **Neurotoxicology** 1986 Summer;7(2):397–411

The Johns Hopkins Adolescent Pregnancy Program: an evaluation. Hardy JB, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):300–6

Social support in improving perinatal outcome: the Resource Mothers Program. Heins HC Jr, et al. **Obstet Gynecol** 1987 Aug;70(2):263–6

A time for reason. Jonas HS. **Obstet Gynecol** 1987 Feb; 69(2):141–5

Prenatal care adequacy and the outcome of adolescent pregnancy: effects on weight gain, preterm delivery, and birth weight. Scholl TO, et al. **Obstet Gynecol** 1987 Mar; 69(3 Pt 1):312–6

Sexuality and pregnancy: a change in values. Porter S. **Ohio Med** 1987 Mar;83(3):154–8

Acute and long-term consequences of adolescents who choose abortions. Biro FM, et al. **Pediatr Ann** 1986 Oct; 15(10):667–73

A second chance [letter] Schilling LH. **Pediatr Ann** 1987 Apr;16(4):356

Judicial involvement and conduct problems of fathers of infants born to adolescent mothers. Elster AB, et al. **Pediatrics** 1987 Feb;79(2):230–4

Breast versus bottle: correlates of adolescent mothers' infant-feeding practices. Joffe A, et al. **Pediatrics** 1987 May; 79(5):689–95

Our willy-nilly childbearing: unintended and teenage pregnancy in the United States. Klein L. **Pharos** 1986 Fall; 49(4):27–9

Loss of parent in childhood and adult psychiatric disorder: the role of social class position and premarital pregnancy. Harris T, et al. **Psychol Med** 1987 Feb;17(1):163–83

Appointments for adolescent pregnancy and family planning: the effects of delays in providing services. Moore ML. **Public Health Nurs** 1987 Mar;4(1):43–7

A plan to prevent adolescent pregnancy and reduce infant mortality. Apte DV. **Public Health Rep** 1987 Jan-Feb; 102(1):80–6

An approach to the problem of teenage pregnancy. Macdonald DI. **Public Health Rep** 1987 Jul-Aug; 102(4):377–85

Sensitivity to infant development and behavior: a comparison of adolescent and adult single mothers. Becker PT. **Res Nurs Health** 1987 Jun;10(3):119–27

Schoolgirl pregnancies in Libode, Transkei. O'Mahony D. **S Afr Med J** 1987 Jun 20;71(12):771–3

Adolescent pregnancy: selected topics. **Semin Adolesc Med** 1986 Sep;2(3):175–267

Psychosocial outcomes of adolescent pregnancy. Maternal and child effects. Cutrona CE, et al. **Semin Adolesc Med** 1986 Sep;2(3):235–42

Approaches to adolescent pregnancy prevention. Haffner D, et al. **Semin Adolesc Med** 1986 Sep;2(3):259–67

Epidemiologic concepts of adolescent pregnancy. Miller KA. **Semin Adolesc Med** 1986 Sep;2(3):175–9

Legal issues related to adolescent pregnancy: current concepts. Rhodes AM. **Semin Adolesc Med** 1986 Sep; 2(3):181–9

Concepts of nutrition in adolescent pregnancy. Sands L. **Semin Adolesc Med** 1986 Sep;2(3):191–6

Infants of teenage mothers. The Blank Children's Hospital experience, 1984. Shaw RD, et al. **Semin Adolesc Med** 1986 Sep;2(3):243–50

Adolescent clinics and services. Skinner T, et al. **Semin Adolesc Med** 1986 Sep;2(3):251–7

Adolescent sexual activity and pregnancy in South Carolina: trends, risks, and practice implications. Alexander GR, et al. **South Med J** 1987 May;80(5):581–4, 596

Trends in teenage childbearing 1970–83. **Stat Bull Metrop Insur Co** 1986 Jan–Mar;67(1):3–9

Sexual behavior, contraceptive practice, and reproductive health among Liberian adolescents. Nichols D, et al. **Stud Fam Plann** 1987 May–Jun;18(3):169–76

Adolescent pregnancy—implications for Texas [editorial] Jones LA. **Tex Med** 1987 Mar;83(3):5–6

Teenager pregnancy policies and the 70th legislative session. Smith PB, et al. **Tex Med** 1987 Mar;83(3):49–51

Adolescent fertility and childbearing trends among Hispanics in Texas. Smith PB, et al. **Tex Med** 1986 Nov;82(11):29–32

Adolescents' perceptions of pregnancy. A cross-cultural perspective. Speraw S. **West J Nurs Res** 1987 May; 9(2):180–202

[Engagement, marriage, and parenthood in adolescence] Novák T. **Cesk Pediatr** 1987 Apr;42(4):243–4 **(Cze)**

[Young mothers—a social risk group] Løwert AC, et al. **Ugeskr Laeger** 1987 May 25;149(22):1496–8 (Eng. Abstr.) **(Dan)**

[Full-term pregnancy following failed induced abortion] Pirhonen J, et al. **Duodecim** 1986;102(14):965–6 **(Fin)**

[Behavior of the newborn infants of adolescent mothers] Gomes-Pedro J, et al. **Ann Pediatr (Paris)** 1986 Nov; 33(9):839–41 (Eng. Abstr.) **(Fre)**

[Abortion in adolescence—psychosocial aspects] Eggers H, et al. **Arztl Jugendkd** 1987;78(1):51–6 (Eng. Abstr.) **(Ger)**

[Motives for not observing sensible family planning and attitude to pregnancy in adolescents under 18] Weinbach-Rieger A, et al. **Arztl Jugendkd** 1987;78(1):57–9 (Eng. Abstr.) **(Ger)**

[Unwanted pregnancy in adolescents: existential background factors] Merz M. **Fortschr Med** 1986 Sep 11;104(34):633–6 (Eng. Abstr.) **(Ger)**

[The disturbed child with her doll—on pregnancy in early adolescence] Berger M. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):107–17 (Eng. Abstr.) **(Ger)**

[Teenage pregnancy and parenthood (editorial)] Shaked A, et al. **Harefuah** 1987 Jan 15;112(2):104–6 **(Heb)**

[Childbirth in adolescents] Perolo FL, et al. **Minerva Ginecol** 1986 Oct;38(10):803–6 (Eng. Abstr.) **(Ita)**

[Pregnancy in adolescence. Considerations on a clinical case] Pinto G, et al. **Riv Patol Nerv Ment** 1984 Jan–Feb; 105(1):15–25 (Eng. Abstr.) **(Ita)**

[Mortality in adolescence with special reference to maternal mortality, Brazil, 1980] de Siqueira AA, et al. **Rev Saude Publica** 1986 Aug;20(4):274–9 (Eng. Abstr.) **(Por)**

[The effect of induced abortion in adolescence on the manifestations of spontaneous abortion, premature labor and birth weight] Peterlin A, et al. **Jugosl Ginekol Perinatol** 1986 May–Aug;26(3–4):49–52 (Eng. Abstr.) **(Scr)**

[Experience in a unit for pregnant adolescents] Martínez Aliaga E, et al. **Rev Chil Obstet Ginecol** 1985;50(2):127–39 (Eng. Abstr.) **(Spa)**

[Intelligence quotient of pregnant adolescents of a low socioeconomic level] Carrasco D, et al. **Rev Med Chil** 1986 Jun;114(6):525–8 (Eng. Abstr.) **(Spa)**

PREGNANCY IN DIABETES

Studies of dental and oral changes of pregnant diabetic women. Albrecht M, et al. **Acta Diabetol Lat** 1987 Jan–Mar; 24(1):1–7

Diabetes and pregnancy: Aspects of current research relevant to clinical practice. First international symposium. Proceedings. Stresa, Italy, May 17–18, 1984. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:1–162

Treatment of emergency cases in newborn infants of diabetic mothers. Reitano G. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:159–62

Tracheal stenosis. Lethal malformation in two infants of diabetic mothers. Tack E, et al. **Am J Dis Child** 1987 Jan; 141(1):77–8

Diabetes and spontaneous abortion: a historical review. Kalter H. **Am J Obstet Gynecol** 1987 May;156(5):1243–53 (93 ref.)

Hypoglycemia: how little is too much for the embryo? Sadler TW, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):190–3

The caudal regression syndrome in infants of diabetic mothers. Perrot LJ, et al. **Ann Clin Lab Sci** 1987 Jul–Aug; 17(4):211–20

Increased blood viscosity and tachypnoea in infants of diabetic mothers. Violaris K, et al. **Arch Dis Child** 1986 Sep;61(9):910–2

Optic nerve hypoplasia in infants of diabetic mothers [letter] Petersen RA, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1587

Glycosilated fetal hemoglobin in neonates of diabetic mothers. Panero C, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):40–1

Quantitative synaptic changes on Purkinje cell dendritic spines of rats born from streptozotocin-induced diabetic mothers. Yamano T, et al. **Brain Dev** 1986;8(3):269–73

Glucose and lipid metabolism with triphasic oral contraceptives in women with history of gestational diabetes. Kung AW, et al. **Contraception** 1987 Mar; 35(3):257–69

Diabetic pregnancy following renal transplantation. Grenfell A, et al. **Diabetic Med** 1986 Mar;3(2):177–9

Lumbar herniation and tibial absence in infants of diabetic mothers. Loftus BG, et al. **Diabetic Med** 1985 Jul;2(4):283–5

Congenital malformations in babies of diabetic mothers. Lowy C, et al. **Diabetic Med** 1986 Sep–Oct;3(5):458–62

Retinal haemorrhages and papilloedema due to benign intracranial hypertension in a pregnant diabetic. Wheatley T, et al. **Diabetic Med** 1986 Sep–Oct;3(5):482–4

Pregnancy after vitrectomy for proliferative diabetic retinopathy. Young LB, et al. **Diabetic Med** 1987 Jan–Feb; 4(1):77–8

Gestational diabetes and its effect on the umbilical cord. Singh SD. **Early Hum Dev** 1986 Oct;14(2):89–98

A case of listeriosis in pregnancy with fetal survival. Solomon F, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr; 8(2):103–4

Congenital complete heart block in an infant of diabetic mother. Soni AL, et al. **Indian Pediatr** 1986 Aug; 23(8):652–4

Clinical studies in the infant born to a mother with insulin-dependent diabetes mellitus. Yokota A, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:99–103

Antenatal assessment of fetal outcome in pregnant diabetics. Burkart W, et al. **J Perinat Med** 1986;14(5):293–7

Fetal echocardiography: the prenatal diagnosis of a ventricular septal defect in a 14-week fetus with pulmonary artery hypoplasia. DeVore GR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):494–7

Pregnancy complications among diabetic women: review 1965–1985. Cousins L. **Obstet Gynecol Surv** 1987 Mar; 42(3):140–9 (55 ref.)

Renal and axillary thrombosis in an infant of a diabetic mother. Tekinalp G, et al. **Turk J Pediatr** 1986 Jul–Sep; 28(3):191–4

[Tocolysis in diabetic patients with magnesium sulfate (letter)] Marechaud R, et al. **Presse Med** 1987 Feb 21; 16(6):313 **(Fre)**

[Control of diabetes in perioperative period. Characteristics of cesarean section (letter)] Moulin JP, et al. **Presse Med** 1987 May 9;16(17):834 **(Fre)**

[Perinatal outcome in diabetic pregnant women: 1963–75 and 1978–83] Nicolini U, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):243–50 (Eng. Abstr.) **(Ita)**

[Diabetes mellitus and pregnancy] Paus PN. **Tidsskr Nor Laegeforen** 1986 Oct 20;106(29):2420–2, 2427 (Eng. Abstr.) **(Nor)**

[Obstetric aspects of pregnancy complicated by diabetes mellitus in the perinatal period] Szymański W, et al. **Ginekol Pol** 1986 Nov;57(11):720–2 (Eng. Abstr.) **(Pol)**

[Feasibility of ultrasonic biometry in determining the gestational age of fetuses of pregnant women with diabetes mellitus] Ordynskiĭ VF. **Akush Ginekol (Mosk)** 1987 Jan; (1):25–7 (Eng. Abstr.) **(Rus)**

[Features of the adaptation of newborn infants with diabetic mothers] Poliakova GP, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):68–72 (Eng. Abstr.) **(Rus)**

[Influence of the time of diagnosis on perinatal complications of gestational diabetes] Micaló T, et al. **Med Clin (Barc)** 1987 Jun 27;89(5):180–3 (Eng. Abstr.) **(Spa)**

[Diabetes and pregnancy] Micaló Duran T. **Med Clin (Barc)** 1987 May 16;88(19):764–6 (23 ref.) **(Spa)**

[Pregnancy in diabetes—screening, diagnosis, treatment and follow-up] Berne C, et al. **Lakartidningen** 1987 Feb 4; 84(6):372–5 **(Swe)**

BLOOD

Gastrointestinal hormones and cortisol in normal pregnant women and women with gestational diabetes. Hornnes PJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:24–6

Glycosylated proteins in normal and diabetic pregnancy. Peterson CM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:107–11 (30 ref.)

Glycated plasma proteins in normal and diabetic mothers and their offsprings. Pollak A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:141–4

Circulating levels of placental protein 10 (PP10) in diabetic pregnancy. Tiitinen A, et al. **Acta Obstet Gynecol Scand** 1986;65(7):709–11

Plasma amino acid, glucose, and insulin responses to moderate-protein and high-protein test meals in pregnant, nonpregnant, and gestational diabetic women. Fitch WL, et al. **Am J Clin Nutr** 1987 Aug;46(2):243–9

Verified self-monitored blood glucose data versus glycosylated hemoglobin and glycosylated serum protein as a means of predicting short- and long-term metabolic control in gestational diabetes. Brustman L, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):699–703

Neonatal morbidity in pregnancy complicated by diabetes mellitus: predictive value of maternal glycemic profiles. Landon MB, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1089–95

Diagnosis of gestational diabetes by capillary blood samples and a portable reflectance meter: derivation of threshold values and prospective validation. Weiner CP, et al. **Am J Obstet Gynecol** 1987 May;156(5):1085–9

Placental transfer of non-esterified fatty acids in normal and diabetic pregnancy. Thomas CR. **Biol Neonate** 1987; 51(2):94–101 (83 ref.)

Plasma calcitonin variations in normal women and in women with family history of diabetes during pregnancy. Sgambato S, et al. **Diabete Metab** 1986 Dec;12(6):297–301

Hypoglycemia in pregnancy: unknown risks [letter] Bergman M, et al. **Diabetes Care** 1987 May–Jun;10(3):380

Ambulatory glucose profile: representation of verified self-monitored blood glucose data. Mazze RS, et al. **Diabetes Care** 1987 Jan–Feb;10(1):111–7

Umbilical cord glycosylated hemoglobin in infants of diabetic mothers: relationships to neonatal hypoglycemia, macrosomia, and cord serum C-peptide. Sosenko JM, et al. **Diabetes Care** 1982 Nov–Dec;5(6):566–70

Seven years experience of home management in pregnancy in women with insulin-dependent diabetes. Heller SR, et al. **Diabetic Med** 1984 Sep;1(3):199–204

Glycosylated haemoglobin and glycosylated albumin in non-diabetic and diabetic mothers, and their babies. John WG, et al. **Diabetic Med** 1985 Mar;2(2):103–4

Haemoglobin A1 and congenital malformation. Stubbs SM, et al. **Diabetic Med** 1987 Mar–Apr;4(2):156–9

Insulin-like growth factors (IGF) I and II in diabetic pregnancy: suppression of normal pregnancy-induced rise of IGF-I. Bhaumick B, et al. **Diabetologia** 1986 Nov; 29(11):792–7

Increased serum aldosterone in diabetic pregnancy. Cugini P, et al. **Diabetologia** 1987 Mar;30(3):166–8

Haemoglobin A1c levels in normal and diabetic pregnancies. Griffiths RJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar;24(3):195–200

Relationship of maternal glycosylated hemoglobin and fetal beta-cell activity with birth weight. Cano A, et al. **Gynecol Obstet Invest** 1986;22(2):91–6

Determination of trace and bulk elements in plasma and erythrocytes of diabetic pregnant women by PIXE method. Gödény S, et al. **Int J Gynaecol Obstet** 1986 Jun; 24(3):201–7

Serum levels of somatomedins and somatomedin-binding protein in pregnant women with type I or gestational diabetes and their infants. Hall K, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1300–6

Maternal serum alpha-fetoprotein in diabetic pregnancy: correlation with blood glucose control [letter] Reece EA, et al. **Lancet** 1987 Aug 1;2(8553):275

Decreased maternal serum magnesium concentration and adverse fetal outcome in insulin-dependent diabetic women. Mimouni F, et al. **Obstet Gynecol** 1987 Jul; 70(1):85–8

Relationship between fetal growth and maternal fructosamine in diabetic pregnancy. Roberts AB, et al. **Obstet Gynecol** 1987 Aug;70(2):242–6

Blood glucose and plasma amino acid concentrations in infants of diabetic mothers. Soltész G, et al. **Pediatrics** 1978 Jan;61(1):77–82

Verification of early pregnancy tests in a multicenter trial. Jovanovic L, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):201–5

Diabetes in pregnancy. The use of home blood glucose monitoring and intensive monitoring to ensure favourable perinatal outcome. Huddle KR, et al. **S Afr Med J** 1987 Apr 4;71(7):429–31

Fetal malformation and serum alpha-fetoprotein concentration of diabetic mothers. Szabó M, et al. **Zentralbl Gynakol** 1986;108(20):1228–36

[Determination of SP1 in the serum of pregnant diabetics] Fialová L, et al. **Cesk Gynekol** 1987 Mar;52(2):84–8 (Eng. Abstr.) **(Cze)**

[Hypoxia of the fetus and neonate of a diabetic mother. Importance of hemorheologic anomalies] Brettes JP, et al. **Rev Fr Gynecol Obstet** 1986 Dec;81(12):695–705 (95 ref.) (Eng. Abstr.) **(Fre)**

[Is the determination of glycosylated hemoglobins in neonatal macrosomia useful?] Czekelius P, et al. **Z Geburtshilfe Perinatol** 1986 Sep–Oct;190(5):220–4 (Eng. Abstr.) **(Ger)**

[Hemorheological characteristics of gestational diabetes. A possible mechanism of placental hypertrophy] Kaibara M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):712–4 **(Jpn)**

[Glycosylated hemoglobin (Hba1) in gestational diabetic pregnant women and pregnant women with high diabetic risk factors] Durruty P, et al. **Rev Med Chil** 1986 Dec; 114(12):1123–8 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Chronic oral terbutaline tocolytic therapy is associated with maternal glucose intolerance. Main EK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):644–7

CLASSIFICATION

Reassessment of White's classification and Pedersen's prognostically bad signs of diabetic pregnancies in insulin-dependent diabetic pregnancies. Diamond MP, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):599–604

COMPLICATIONS

Developmental aspects of the offspring of diabetic mothers. Gerlini G, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:150–5

The development and function of the endocrine pancreas of fetuses and infants born to normal and diabetic mothers. Grasso S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:130–5 (55 ref.)

Metabolic adaptations during the neonatal period in infants of diabetic mothers. Hertel J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:136–40 (10 ref.)

Obstetric complications in diabetic pregnancy. Lunell NO. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:117–21 (25 ref.)

Longterm morbidity in infants of diabetic mothers. Persson B. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:156–8

Influence of pregnancy on diabetic retinopathy. Serup L. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:122–4

Fetal lung maturation in diabetic pregnancy. Tydén O, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:101–6

Is diabetes mellitus a teratogen or a coteratogen? McCarter RJ, et al. **Am J Epidemiol** 1987 Feb;125(2):195–205

Increased incidence of spontaneous abortion in pregnancies complicated by maternal diabetes mellitus. Sutherland HW, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):135–8

The prediction of fetal lung maturity by amniotic fluid fluorescence polarization in diabetic pregnancy. Simon NV, et al. **Am J Perinatol** 1987 Apr;4(2):171–5

Mechanisms of congenital malformations in diabetic pregnancy. Eriksson UJ, et al. **Biol Neonate** 1987; 51(2):113–8 (48 ref.)

Fetal distress during labour in diabetic pregnancy. Olofsson P, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1067–71

Diabetes mellitus: preventing anomalies through maternal metabolic intervention. Ober C, et al. **Clin Obstet Gynecol** 1986 Sep;29(3):558–68

Obesity in offspring of diabetic Pima Indian women despite normal birth weight. Pettitt DJ, et al. **Diabetes Care** 1987 Jan–Feb;10(1):76–80

Spontaneous resolution of fetal ventriculomegaly in a diabetic patient. Toi A. **J Ultrasound Med** 1987 Jan;6(1):37–9

Pregnancy in women with diabetes mellitus. Fifteen years' experience: 1970–1985. Martin FI, et al. **Med J Aust** 1987 Feb 16;146(4):187–90

Diabetes in pregnancy [editorial] Shearman RP. **Med J Aust** 1987 Feb 16;146(4):181–2

[Circulating immune complexes containing an insulin of bovine origin in a patient "allergic" to insulin]Tater D, et al. **Journ Annu Diabetol Hotel Dieu** 1986;:173–8 **(Fre)**

[Association of diabetes mellitus and gestational diabetes insipidus (letter)] Grimaldi A, et al. **Presse Med** 1987 Mar 14;16(9):447 **(Fre)**

[You make the diagnosis. Caudal regression syndrome] Lausecker M, et al. **Padiatr Padol** 1987;22(1):73–7 **(Ger)**

DIAGNOSIS

Position statement on gestational diabetes mellitus. Formulated by the American Diabetes Association, Inc. **Am J Obstet Gynecol** 1987 Feb;156(2):488–9

Early third-trimester ultrasound screening in gestational diabetes to determine the risk of macrosomia and labor dystocia at term. Bochner CJ, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):703–8

Capillary blood glucose screening for gestational diabetes: a preliminary investigation. Landon MB, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):717–21

The significance of one abnormal glucose tolerance test value on adverse outcome in pregnancy. Langer O, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):758–63

Studies on diagnostic criteria for gestational diabetes mellitus by 75 g glucose tolerance test. Hamada T, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):187–93

A random plasma glucose method for screening for abnormal glucose tolerance in pregnancy. Hatem M, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):213–6

Ketoacidosis in pregnancy: an unusual presentation of diabetes mellitus. Case reports. Robertson G, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1088–90

Assessment of value of glycosylated albumin and protein in detection of gestational diabetes. Ryan EA, et al. **Diabetes Care** 1987 Mar–Apr;10(2):213–6

Screening for diabetes in pregnancy: is a random blood glucose enough? Jowett NI, et al. **Diabetic Med** 1987 Mar–Apr;4(2):160–3

Impaired glucose tolerance in the third trimester of pregnancy. MacFarlane IA, et al. **Diabetic Med** 1985 Jul; 2(4):260–1

Recurrence of gestational diabetes. Coelingh Bennink HJ. **Eur J Obstet Gynecol Reprod Biol** 1977;7(6):359–63

Detection and management of gestational diabetes in an out-of-hospital birth center. O'Brien ME, et al. **J Nurse Midwifery** 1987 Mar–Apr;32(2):79–84

Gestational diabetes mellitus [editorial] Gabbe SG. **N Engl J Med** 1986 Oct 16;315(16):1025–6

Abnormal glucose screening tests in pregnancy: a risk factor for fetal macrosomia. Leikin EL, et al. **Obstet Gynecol** 1987 Apr;69(4):570–3

[Diabetes in pregnancy] Peter J, et al. **Rev Fr Gynecol Obstet** 1987 Jun;82(6):429–33 (45 ref.) (Eng. Abstr.) **(Fre)**

[Significance of the detection of gestational diabetes. Apropos of 27 cases] Loungou A, et al. **Tunis Med** 1986 Aug–Sep; 64(8–9):703–7 (Eng. Abstr.) **(Fre)**

[Value of orally-induced hyperglycemia in predicting the insulin requirement in gestational diabetes] Rey E. **Union Med Can** 1987 Jan;116(1):40–3 (Eng. Abstr.) **(Fre)**

[Diabetes in pregnancy] Ventzke K. **Dtsch Med Wochenschr** 1986 Dec 12;111(50):1907–9 **(Ger)**

[Effect of normoglycemic metabolic status in pregnancy on the course of diabetic retinopathy] Fellinger C, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):367–8 (Eng. Abstr.) **(Ger)**

[Course of pregnancy of insulin-dependent diabetic patients 1978–1935 at the 1st Vienna University gynecologic clinic] Vytiska-Binstorfer E, et al. **Z Geburtshilfe Perinatol** 1987 Mar–Apr;191(2):55–9 (Eng. Abstr.) **(Ger)**

[The fate of patients with diabetes in pregnancy—classification of gestational diabetes following the completion of pregnancy (p.g. classification)] Wolff C, et al. **Zentralbl Gynakol** 1987;109(2):88–97 (Eng. Abstr.) **(Ger)**

[Gestational diabetes mellitus. Analysis of screening tests] da Rocha ML, et al. **AMB** 1986 Jul–Aug;32(7–8):115–7 (Eng. Abstr.) **(Por)**

DIET THERAPY

Treatment of non insulin-dependent diabetic women during pregnancy. Bompiani GD, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:56–9

Low energy diets in the treatment of gestational diabetes. Gillmer MD, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:44–9

Accelerated starvation in pregnancy: implications for dietary treatment of obesity and gestational diabetes mellitus. Metzger BE, et al. **Biol Neonate** 1987;51(2):78–85 (39 ref.)

Long-term high fibre, low fat diet in gestational diabetes. Paisey RB, et al. **Diabetic Med** 1985 Jul;2(4):286–7

A high-fibre diet in gestational diabetes—wheat fibre, leguminous fibre or both? Paisey RB, et al. **Hum Nutr Appl Nutr** 1987 Apr;41(2):146–9

Pregnancy, diabetes, and Jewish dietary law: the challenge for the pregnant diabetic woman who keeps kosher. Nelson MS, et al. **J Am Diet Assoc** 1987 Aug;87(8):1054–7

Nutritional care of the pregnant diabetic woman. Garner C. **J Arkansas Med Soc** 1986 Nov;83(6):245–50

DRUG THERAPY

Continuous insulin delivery systems for the pregnant diabetic patient. Hofmann HM, et al. **Acta Diabetol Lat** 1986 Jul–Sep;23(3):201–14

Treatment of diabetic pregnant women with monocomponent insulins. Gargiulo P, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:60–5

Preconceptional treatment with insulin infusion pumps in insulin-dependent diabetic women with particular reference to prevention of congenital malformations. Jensen BM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:81–5

Continuous subcutaneous insulin infusion (CSII) in pregnant diabetic women. Mancuso S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:112–6

A controlled study of the influence of continuous subcutaneous insulin infusion treatment on diabetic retinopathy during pregnancy. Laatikainen L, et al. **Acta Med Scand** 1987;221(4):367–76

Effects of beta 1-adrenoceptor blockade in the treatment of hypertension during pregnancy in diabetic women. Olofsson P, et al. **Acta Med Scand** 1986;220(4):321–8

Management of diabetes mellitus [letter] Barron WM, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1357–9

Predictive value of early pregnancy glycohemoglobin in the insulin-treated diabetic patient. Key TC, et al. **Am J Obstet Gynecol** 1987 May;156(5):1096–100

Gestational diabetes: insulin requirements in pregnancy. Langer O, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):669–75

Diagnosis and treatment of gestational diabetes according to amniotic fluid insulin levels. Weiss PA, et al. **Arch Gynecol** 1986;239(2):81–91

Successful pregnancy in diabetic controlled with intraperitoneal insulin [letter] Fonseca VA, et al. **Diabetes Care** 1987 Jul–Aug;10(4):541–2

Mismanagement of infusion pumps [letter] Sonnenberg GE, et al. **Diabetes Care** 1982 Mar–Apr;5(2):145

Diabetic pregnancy managed with intraperitoneal insulin. Fonseca VA, et al. **Diabetic Med** 1987 Jan–Feb;4(1):74–6

A comparison of biosynthetic human insulin with porcine insulin in the blood glucose control of diabetic pregnancy. Leiper JM, et al. **Diabetic Med** 1986 Jan;3(1):49–51

Management of diabetes mellitus in pregnancy. Greene JW Jr, et al. **J Ky Med Assoc** 1987 Jan;85(1):18–20

Oversized infant of diabetic mother: its cause and prevention. Grasso S, et al. **J Perinat Med** 1987;15(1):73–82

Prophylactic insulin in gestational diabetes. Leikin E, et al. **Obstet Gynecol** 1987 Oct;70(4):587–92

Continuous subcutaneous insulin infusion in an obese insulin-resistant pregnant woman with type II diabetes: accelerated fetal growth and neonatal complications. Moore TR, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):480–5

Continuous subcutaneous insulin infusion (CSII) in pregnant diabetic patients. Caruso A, et al. **Prenat Diagn** 1987; 7(1):41–50

[Treatment of the pregnant diabetic by means of a portable insulin pump] Kölblová V, et al. **Cesk Gynekol** 1986 Nov; 51(9):742–4 **(Cze)**

[Where are we with the treatment of the diabetic using the insulin pump?] Lefèbvre P, et al. **Acta Clin Belg** 1986; 41(4):229–40 **(Fre)**

[Continuous subcutaneous infusion of insulin and intensified conventional treatment in the control of blood glucose in pregnant diabetics] Mesa J, et al. **Med Clin (Barc)** 1987 May 16;88(19):760–3 (Eng. Abstr.) **(Spa)**

[Possibility of maintaining optimal metabolic control in pregnant patients with insulin-dependent diabetes] Micaló T, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):787–90 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Effect of diabetic nephropathy on pregnancy. Hayslett JP, et al. **Am J Kidney Dis** 1987 Apr;9(4):344–9 (13 ref.)

FAMILIAL & GENETIC

Diabetes in pregnancy: influence of genetic background and maternal diabetic state on the incidence of skeletal malformations in the fetal rat. Eriksson UJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:66–73

Diabetic pregnancy. The effect of genetic susceptibility for diabetes on fetal weight. Kaufmann RC, et al. **Am J Perinatol** 1987 Jan;4(1):72–4

Insulin secretion to glucose infusion in gestational diabetes subjects with differing DNA polymorphisms flanking the insulin gene. Samanta A, et al. **Diabetes Res** 1987 Mar; 4(3):109–12

Familial diabetes aggregation in type I diabetics: gestational diabetes an apparent risk factor for increased diabetes susceptibility in the offspring. Dörner G, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):84–90

Expression of insulin-like growth factor II in human placentas from normal and diabetic pregnancies. Shen SJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9179–82

[Glucose tolerance (1.75 g/kg oGTT) in children of diabetic mothers in the 1st to 3d years] Kohlhoff R, et al. **Kinderarztl Prax** 1986 Nov;54(11):613–20 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immunology in diabetic pregnancy: activated T cells in diabetic mothers and neonates. Di Mario U, et al. **Diabetologia** 1987 Feb;30(2):66–71

[Humoral immunoregulatory factors in normal and complicated pregnancy] Vasil'eva ZF, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):17–22 (Eng. Abstr.) **(Rus)**

METABOLISM

Amniotic fluid prolactin, decidual prolactin content and decidual prolactin secretion into hypo-, iso-, and sodium chloride hyperosmotic media in vitro in pregnant diabetics at term. Andersen JR, et al. **Acta Diabetol Lat** 1986 Oct–Dec;23(4):301–7

Insulin receptors in normal pregnant women and women with gestational diabetes. Andersen O, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:27–30

Gastro-entero-pancreatic hormones in amniotic fluid from normal and diabetic pregnant women. Fallucca F, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:37–43

Subclinical abnormalities of glucose metabolism in subjects with previous gestational diabetes. Catalano PM, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1255–62

A hypothesis concerning the general basis of organogenetic congenital anomalies. Naftolin F, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):1–4

Oral contraceptives and insulin receptor binding in normal women and those with previous gestational diabetes. Skouby SO, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):802–7

Effect of hyperglycemia on sorbitol and myo-inositol content of cultured rat conceptus: failure of aldose reductase inhibitors to modify myo-inositol depletion and dysmorphogenesis. Hod M, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):974–80

Lipoprotein metabolism in pregnancy, fat transport to the fetus, and the effects of diabetes. Knopp RH, et al. **Biol Neonate** 1986;50(6):297–317 (56 ref.)

Increased accumulation of sorbitol in offspring of manifest diabetic rats. Eriksson UJ, et al. **Diabetes** 1986 Dec; 35(12):1356–63

Observations on the metabolic basis for altered insulin dose distribution in diabetic pregnancy. Steel JM, et al. **Diabetes Res Clin Pract** 1987 Jan–Feb;3(1):1–7

Glycosylation of maternal hair and cord skin during pregnancy in diabetic and non-diabetic women. Paisey RB, et al. **Diabetic Med** 1985 Sep;2(5):367–70

Role of myo-inositol in impairment of fetal lung phosphatidylglycerol biosynthesis in the diabetic pregnancy: physiological consequences of a phosphatidylglycerol-deficient surfactant in the newborn rat. Bourbon JR, et al. **Exp Lung Res** 1986;11(3):195–207

Effects of streptozotocin-induced diabetes in pregnant rats on placental transport and tissue uptake of alpha-amino-isobutyric acid. Copeland AD Jr, et al. **Horm Metab Res** 1987 Feb;19(2):57–61

Severe hypoglycemia during pregnancy: its frequency and predisposing factors in diabetic women. Rayburn W, et al. **Int J Gynaecol Obstet** 1986 Aug;24(4):263–8

Decreased binding of epidermal growth factor in placentas from streptozotocin-diabetic rats. Sissom JF, et al. **J Clin Invest** 1987 Jul;80(1):242–7

Surfactant associated protein (SAP-35) in amniotic fluid from diabetic and nondiabetic pregnancies. McMahan MJ, et al. **Obstet Gynecol** 1987 Jul;70(1):94–8

Decreased amniotic fluid magnesium concentration in diabetic pregnancy. Mimouni F, et al. **Obstet Gynecol** 1987 Jan;69(1):12–4

The offspring of the female diabetic "nonobese diabetic" (NOD) mouse are large for gestational age and have elevated pancreatic insulin content: a new animal model of human diabetic pregnancy. Formby B, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):291–4

[Manifestation of diabetes in the amniotic fluid] Matýšek P, et al. **Cesk Gynekol** 1987 Mar;52(2):89–92 (Eng. Abstr.) **(Cze)**

[Nonenzymatic glucosylation of human placental trophoblast basement membrane collagen (relation to diabetic placenta pathology)] Iioka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):400–4 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical studies of fetal and maternal endocrine pancreases during pregnancy and the puerperium in streptozotocin-induced diabetic rats] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):1989–97 (Eng. Abstr.) **(Jpn)**

MORTALITY

Diabetes and pregnancy in South Carolina: prevalence, perinatal mortality, and neonatal morbidity in 1978. Wheeler FC, et al. **Diabetes Care** 1982 Nov–Dec;5(6):561–5

OCCURRENCE

The UK diabetic pregnancy survey. Lowy C, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:86–9

Screening for gestational diabetes: one-hour carbohydrate tolerance test performed by a virtually tasteless polymer of glucose. Reece EA, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):132–4

Increased incidence of true type I diabetes acquired during pregnancy. Buschard K, et al. **Br Med J** 1987 Jan 31; 294(6567):275–9

Gestational diabetes in two different socio-economic prenatal clinics. Adam JM, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:59–62

Screening for gestational diabetes with the one-hour 50-g glucose test. Sacks DA, et al. **Obstet Gynecol** 1987 Jul; 70(1):89–93

PATHOLOGY

The effects of high-sucrose diets and of maternal diabetes on the ultrastructure of the visceral yolk sac endoderm in rat embryos developing in vivo and in vitro. Zusman I, et al. **Acta Anat (Basel)** 1987;128(1):11–8

Changes in diabetic retinopathy during pregnancy. Correlations with regulation of hyperglycemia. Phelps RL, et al. **Arch Ophthalmol** 1986 Dec;104(12):1806–10

Ultrasound studies on fetal crown-rump length in early normal and diabetic pregnancy. Pedersen JF. **Dan Med Bull** 1986 Dec;33(6):296–304 (63 ref.)

Influence of lactation on morphometric and secretory variables in pancreatic beta-cell of mildly diabetic rats. Marynissen G, et al. **Diabetes** 1987 Aug;36(8):883–91

Neonatal hypoxia or maternal diabetes delays postnatal development of liver mitochondria. Aprille JR, et al. **Pediatr Res** 1987 Mar;21(3):266–9

Morphological findings in placentae of insulin-dependent diabetic patients treated with continuous subcutaneous insulin infusion (CSII). Laurini RN, et al. **Placenta** 1987 Mar–Apr;8(2):153–65

Localization of glycogen in the placenta of diabetic rats: a light and electron microscopic study. Ne'eman Z, et al. **Placenta** 1987 Mar–Apr;8(2):201–8

PHYSIOPATHOLOGY

Endocrine pancreatic function in insulin-dependent diabetic pregnant women. Fiore R, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:31–6

Endocrine pancreatic function in women with gestational diabetes. Kühl C, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:19–23

Methods of fetal monitoring and assessment of placental function in diabetic pregnancy. Sutherland HW. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:90–100 (60 ref.)

Fetal heart rate changes during diabetic ketosis. Hughes AB. **Acta Obstet Gynecol Scand** 1987;66(1):71–3

Is the early growth delay in the diabetic pregnancy accompanied by a delay in placental development? Pedersen JF, et al. **Acta Obstet Gynecol Scand** 1986; 65(7):675–7

Sonographic determination of fetal weights in diabetic pregnancies. Benson CB, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):441–4

Circadian rhythm and diurnal excursion of plasma cortisol in diabetic pregnant women. Cousins L, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1176–81

Fluctuating asymmetry in fetuses of diabetic rhesus macaques. Kohn LA, et al. **Am J Phys Anthropol** 1986 Dec;71(4):477–83

Research priorities in diabetic pregnancy today: the role of animal models. Baird JD, et al. **Biol Neonate** 1987; 51(2):119–27 (28 ref.)

Placental function in maternal-fetal fat transport in diabetes. Shafrir E, et al. **Biol Neonate** 1987;51(2):102–12 (48 ref.)

Body composition, adipocyte size, free fatty acid concentration, and glucose tolerance in children of diabetic pregnancies. Abbott WG, et al. **Diabetes** 1986 Oct; 35(10):1077–80

Glucose tolerance, insulin release, and insulin sensitivity in normal-weight women with previous gestational diabetes mellitus. Efendić S, et al. **Diabetes** 1987 Apr;36(4):413–9

Stress-free labor for the diabetic parturient [letter] Ho AM, et al. **Diabetes Care** 1986 Sep–Oct;9(5):555–6

Skeletal growth of fetuses from streptozotocin diabetic rat mothers: in vivo and in vitro studies. Heinze E, et al. **Diabetologia** 1987 Feb;30(2):100–3

Emergence of behavioural states in fetuses of type-1-diabetic women. Mulder EJ, et al. **Early Hum Dev** 1987 Jul; 15(4):231–51

Oral contraception and insulin sensitivity: in vivo assessment in normal women and women with previous gestational diabetes. Skouby SO, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):519–23

Maternal residual beta-cell function and the outcome of diabetic pregnancy. Pirttiaho HI, et al. **J Perinat Med** 1987; 15(1):83–9

Umbilical artery velocimetry in diabetes and pregnancy. Bracero L, et al. **Obstet Gynecol** 1986 Nov;68(5):654–8

Hepatic erythropoiesis in infants of diabetic mothers: a morphometric study. Singer DB. **Pediatr Pathol** 1986; 5(3–4):471–9

Effects of maternal dietary protein on the mandibular growth of fetuses from diabetic dams. Nakamoto T, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):273–6

Effects of streptozotocin-induced diabetes on fetal development of the rat. Giavini E, et al. **Teratology** 1986 Aug;34(1):81–8

[Effect of maternal diabetes on the enteropancreatic system of the rat fetus] Hoet JJ, et al. **Bull Mem Acad R Med Belg** 1986;141(5–6):370–9 **(Fre)**

[Macrosomia in diabetic pregnancy] Yeshaya A, et al. **Harefuah** 1986 Oct;111(7–8):188–91 **(Heb)**

[Can the glucose load test predict insulin requirement in gestational diabetes with normal fasting blood glucose (Type B)?] Vitacolonna E, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):593–9 (Eng. Abstr.) **(Ita)**

[Fetal kidney function in a pregnancy complicated by diabetes mellitus] Badalian SS. **Akush Ginekol (Mosk)** 1986 Aug;(8):47–50 (Eng. Abstr.) **(Rus)**

[Structure of the sleep of newborn infants as an index if degree of maturity and lesions of the central nervous system in different forms of perinatal pathology] Evsiukova II. **Vestn Akad Med Nauk SSSR** 1987;(1):46–51 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Gestational diabetes screening in a private, midwestern American population. Dietrich ML, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1403–8

What I learned from a pregnant teenage diabetic patient. Schwartz RP. **NC Med J** 1987 Jan;48(1):39

THERAPY

Therapy of gestational diabetes. Bellmann O. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:50–5

Treatment of pregnant insulin-dependent diabetic women. Führmann K. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:74–6

Intensified treatment of pregnant insulin-dependent diabetic women. Jovanovic L, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:77–80 (17 ref.)

Management of the insulin-dependent diabetic during labor and delivery. Influences on neonatal outcome. Miodovnik M, et al. **Am J Perinatol** 1987 Apr;4(2):106–14

Diabetes mellitus and pregnancy: management simplified by a computer assisted home glucose meter and measurement of glycosylated protein. Moses RG. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):127–30

Prospective study of 3 metabolic regimens in pregnant diabetics. Farrag OA. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):6–9

Treatment of diabetes in pregnancy. Vaughan NJ. **Br Med J** 1987 Feb 28;294(6571):558–60

Pregnancy complicated by diabetic nephropathy. Dicker D, et al. **J Perinat Med** 1986;14(5):299–307

Pregnancy associated with both insulin-dependent diabetes mellitus and sickle cell disease. A report of two cases. Miodovnik M, et al. **J Reprod Med** 1987 Apr;32(4):317–9

Infants of diabetic mothers: prenatal care and outcomes for the infant. Neufeld ND. **Mt Sinai J Med (NY)** 1987 Mar; 54(3):266–71 (45 ref.)

Management of diabetes mellitus in pregnancy. Oakes GK, et al. **Mt Sinai J Med (NY)** 1987 Mar;54(3):261–5

Respiratory distress syndrome in infants of diabetic mothers in the 1980s: no direct adverse effect of maternal diabetes with modern management. Mimouni F, et al. **Obstet Gynecol** 1987 Feb;69(2):191–5

[Monitoring of pregnancy in diabetes mellitus] Quaas L, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):631–6 (Eng. Abstr.) **(Ger)**

[Prognosis of pregnancy in diabetes mellitus] Siebers JW, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):625–30 (Eng. Abstr.) **(Ger)**

[Type I diabetes mellitus and pregnancy: an interdisciplinary management program] Feiks A, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):228–32 (Eng. Abstr.) **(Ger)**

[Management of pregnancy and labor in diabetes mellitus] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1986 Dec; (12):62–7 **(Rus)**

[Diabetes mellitus and pregnancy] Orkodashvili LSh, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):82–7 (25 ref.) **(Rus)**

PREGNANCY MAINTENANCE

Pregnancy following kidney transplantation. Marushak A, et al. **Acta Obstet Gynecol Scand** 1986;65(6):557–9

Immunological role of the cellular constituents of the decidua in the maintenance of semiallogeneic pregnancy. Lala PK, et al. **Ann NY Acad Sci** 1986;476:183–205

Termination of pregnancy in mice with antiserum to chicken riboflavin-carrier protein. Natraj U, et al. **Biol Reprod** 1987 Apr;36(3):677–85

PREGNANCY, MULTIPLE

Preterm deliveries in twin pregnancies in Oxford. Watson P, et al. **Acta Genet Med Gemellol (Roma)** 1986; 35(3–4):193–9

Hydatidiform mole in a triplet pregnancy following gonadotropin therapy. Ohmichi M, et al. **Acta Obstet Gynecol Scand** 1986;65(5):523–4

The Nordic contribution to the English language twin literature. Schwartz RM, et al. **Acta Obstet Gynecol Scand** 1986;65(6):599–604

Ectopic pregnancy combined with intra-uterine twin pregnancy. Udesen M, et al. **Acta Obstet Gynecol Scand** 1986;65(8):871–2

Significance of membrane thickness in the sonographic evaluation of twin gestations. Hertzberg BS, et al. **AJR** 1987 Jan;148(1):151–3

Triplet pregnancy after low-dose pulsatile gonadotropin-releasing hormone in polycystic ovarian disease. Filicori M, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):768–9

Ultrasonic measurement of fetal femoral length in singleton and twin pregnancies. Haines CJ, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):838–41

Sex ratio in twin pregnancies [letter] Jakobovits AA, et al. **Am J Obstet Gynecol** 1987 May;156(5):1360

Delivery of premature twins [letter] Mazor M, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):915

Discordant fetal platelet counts in a twin gestation complicated by idiopathic thrombocytopenic purpura. Moise KJ Jr, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1141–2

Doppler ultrasound prediction of fetal outcome in twin pregnancies. Nimrod C, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):402–6

Advanced ultrasonic placental maturation in twin pregnancies. Ohel G, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):76–8

Intrapartum management of second twin: internal podalic version with unruptured membranes [letter] Rabinovici J, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):914–5

Surveillance of twin pregnancy with umbilical arterial velocimetry [letter] Ritchie JW, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):521

Umbilical blood waveforms in fetal surveillance of twins. Saldana LR, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):712–5

Monoamniotic twins: antenatal diagnosis and management. Sutter J, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):836–7

Immunocytochemical study of the placenta of a twin pregnancy with a retained dead fetus. Ikarashi T, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):227–34

Sinusoidal fetal heart rate pattern in twin pregnancies. Kigawa J, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep; 12(3):347–52

Re: Twin pregnancy: prematurity and perinatal mortality [letter] Fliegner JR. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):76

Timely diagnosis by cardiotocography of critical fetal reserve due to fetofetal transfusion syndrome. Goldberg HJ, et al.

Aust NZ J Obstet Gynaecol 1986 Aug;26(3):182–4
Preeclampsia in twin pregnancy—severity and pathogenesis. Long PA, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb; 27(1):1–5
Twin pregnancy: prematurity and perinatal mortality. O'Shea RT. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):165–7
Prophylactic long-term oral tocolysis of multiple pregnancies. Gummerus M, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):249–51
Maternal serum alpha-fetoprotein, birthweight and perinatal death in twin pregnancy. Walker EM, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1191–3
Massive ovarian edema in a twin pregnancy. Lambert B, et al. **Can J Surg** 1987 Jan;30(1):40–1
Unilateral tubal twin gestation. Nsofor BI. **Cent Afr J Med** 1986 Jul;32(7):172
Quadruplet pregnancy in IVF. Feldberg D, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):101–6
Incidence of multiple gestations in the presence of two or more mature follicles in the conception cycle. Stone SC, et al. **Fertil Steril** 1987 Sep;48(3):503–4
A comparison between multiple and single pregnancies obtained by in-vitro fertilization. el Khazen N, et al. **Hum Reprod** 1986 Jun;1(4):251–4
Twin births at Madurai. Thirumalaikolundusubramanian P, et al. **Indian Pediatr** 1986 Sep;23(9):681–3
Antepartal fetal death of one twin. Lumme R, et al. **Int J Gynaecol Obstet** 1987 Aug;25(4):331–6
Recent secular trends in dizygotic twinning rates in Europe. James WH. **J Biosoc Sci** 1986 Oct;18(4):497–504
Collaborative management of twins. Two case studies. Halfar MM. **J Nurse Midwifery** 1987 May–Jun;32(3):140–8
Acute polyhydramnios complicating monozygous twin pregnancies—case report. Feingold M, et al. **J Perinat Med** 1986;14(4):267–70
Twin gestation and perinatal follow-up in a woman with severe chronic renal failure managed without dialysis. A case report. Grunebaum AN, et al. **J Reprod Med** 1987 Jun;32(6):463–5
Management and outcome of multiple pregnancies complicated by the antenatal death of one fetus. Hagay ZJ, et al. **J Reprod Med** 1986 Aug;31(8):717–20
Prolonged delivery-abortion interval in twin and triplet pregnancies. A report of two cases. Sakala EP, et al. **J Reprod Med** 1987 Jan;32(1):79–81
Intrauterine demise of two fetuses in an unsuspected triplet pregnancy. A case report. Sakala EP. **J Reprod Med** 1986 Nov;31(11):1055–60
Outcomes of twin gestations at the University of Colorado Health Sciences Center, 1973–1983. Thompson SA, et al. **J Reprod Med** 1987 May;32(5):328–39
Ultrasound in twin gestation. Scheer K. **JCU** 1974 Sep; 2(3):197–9
Licensing work on IVF and related procedures [letter] **Lancet** 1987 Jun 13;1(8546):1373–4
Multiple pregnancy and assisted reproduction [letter] Craft I, et al. **Lancet** 1987 Sep 19;2(8560):692–3
Vaginal delivery of the second twin in breech presentation. Blickstein I, et al. **Obstet Gynecol** 1987 May;69(5):774–6
Characterization of the growth-discordant twin. Blickstein I, et al. **Obstet Gynecol** 1987 Jul;70(1):11–5
Fasting hyperinsulinemic hypoglycemia after ritodrine therapy for premature labor. Caldwell G, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):478–80
Duplex Doppler ultrasound in the evaluation of growth in twin pregnancies. Gerson AG, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):419–23
Twins: prophylactic hospitalization and ward rest at early gestational age. Gilstrap LC 3d, et al. **Obstet Gynecol** 1987 Apr;69(4):578–81
Ultrasonic diagnosis of discordant fetal growth in twin gestations. Storlazzi E, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):363–7
Estimated fetal weight in the evaluation of growth in twin gestations: a prospective longitudinal study. Yarkoni S, et al. **Obstet Gynecol** 1987 Apr;69(4):636–9
Hyperparathyroidism in twin pregnancy. A case report. Subrayen KT, et al. **S Afr Med J** 1987 Aug 15;72(4):287–8
Twin pregnancy and parturition in a patient with the Bernard Soulier syndrome. Heslop HE, et al. **Scand J Haematol** 1986 Jul;37(1):71–3
Twinning rates by residence in Denmark 1978 to 1982. Olsen J, et al. **Scand J Soc Med** 1986;14(3):147–50
Twin pregnancy. **Semin Perinatol** 1986 Jan;10(1):1–91
Maternal adaptation in twin pregnancy. Campbell DM. **Semin Perinatol** 1986 Jan;10(1):14–8 (25 ref.)
Ultrasound in the antenatal management of twin gestation. D'Alton ME, et al. **Semin Perinatol** 1986 Jan;10(1):30–8 (50 ref.)
Single fetal death in twin gestation. Dudley DK, et al. **Semin Perinatol** 1986 Jan;10(1):65–72
Twin placentation and its complications. Johnson SF, et al. **Semin Perinatol** 1986 Jan;10(1):9–13
Epidemiology of twin pregnancy. MacGillivray I. **Semin Perinatol** 1986 Jan;10(1):4–8
Antepartum care in multiple gestation. Newton ER. **Semin Perinatol** 1986 Jan;10(1):19–29 (83 ref.)
Selective birth. Redwine FO, et al. **Semin Perinatol** 1986 Jan; 10(1):73–81 (19 ref.)
Bovine quintuplets [letter] Hosegood M. **Vet Rec** 1987 Jun 20;120(25):603
Echographic diagnosis of twin pregnancy in thoroughbreds [letter] Rossdale PD, et al. **Vet Rec** 1987 May 9;120(19):466
Combined vaginal-abdominal delivery of twins. Roopnarinesingh S. **West Indian Med J** 1987 Mar; 36(1):17–8
[The role of ultrasonic research in multiple pregnancy] Popov I, et al. **Akush Ginekol (Sofiia)** 1987;26(1):16–20 (Eng. Abstr.) **(Bul)**
[Delivery of twins in the Obstetrics Clinic of the Higher Medical Institute of Pleven during the 3 year period—1982–1984] Stambolov B, et al. **Akush Ginekol (Sofiia)** 1986;25(4):9–13 (Eng. Abstr.) **(Bul)**
[SP1 serum levels in multiple pregnancy] Fialová L, et al. **Cesk Gynekol** 1987 Feb;52(1):13–7 (Eng. Abstr.) **(Cze)**
[Thromboasis of the umbilical vein. An unusual cause of intrauterine fetal death] Andersen ES. **Ugeskr Laeger** 1986 Oct 20;148(43):2771 (Eng. Abstr.) **(Dan)**
[Monoamniotic twins] Kjer JJ, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):293 (Eng. Abstr.) **(Dan)**
[Intrauterine death of one of the fetuses in a twin pregnancy] Mazor M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(8):1071–4 (Eng. Abstr.) **(Fre)**
[Twin pregnancy combining a hydatidiform mole and a normal ovum] Monnier JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):213–8 (Eng. Abstr.) **(Fre)**
[Twin pregnancy and labor only at a hospital center?] von Rechenberg KN. **Geburtshilfe Frauenheilkd** 1986 Oct; 46(10):715–20 (Eng. Abstr.) **(Ger)**
[Triplet pregnancy following extracorporeal fertilization] Pavić N, et al. **Schweiz Rundsch Med Prax** 1987 Apr 14; 76(16):428–31 (Eng. Abstr.) **(Ger)**
[Cerclage in multiple pregnancy] Kölbl H, et al. **Wien Med Wochenschr** 1986 Sep 30;136(18):463–5 (Eng. Abstr.) **(Ger)**
[Is orthostatic circulatory regulation more difficult in multiple pregnancy? Results of a prospective longitudinal study] Bung P, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb; 191(1):1–6 (Eng. Abstr.) **(Ger)**
[Effect of socioeconomic factors on twin pregnancy] Gummerus M. **Z Geburtshilfe Perinatol** 1986 Jul–Aug; 190(4):155–7 (Eng. Abstr.) **(Ger)**
[Seasonal incidence of conception, birth and perinatal death in multiple pregnancies] Jakobovits A, et al. **Orv Hetil** 1987 May 3;128(18):927–30 (Eng. Abstr.) **(Hun)**
[A case of hemolytic anemia associated with pregnancy] Balocco G, et al. **Minerva Ginecol** 1987 Apr;39(4):261–5 (Eng. Abstr.) **(Ita)**
[Bilateral tubal pregnancy. Clinical case] Laureti E, et al. **Minerva Ginecol** 1987 Jun;39(6):411–2 (Eng. Abstr.) **(Ita)**
[Induction of ovulation using gonadotropins. Considerations on the hyperstimulation syndrome and multiple pregnancy] Surico N, et al. **Minerva Ginecol** 1987 Jun;39(6):423–7 (Eng. Abstr.) **(Ita)**
[A triplet pregnancy after LHRH pulsatile infusion therapy in a postoperative case of growth hormone-producing pituitary macroadenoma] Goto K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):327–30 **(Jpn)**
[Placental specific findings in twin pregnancies with hydramnion] Imai S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1069–72 (Eng. Abstr.) **(Jpn)**
[Outcome of twin pregnancies. Importance of early diagnosis] Aure JC, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20; 106(23):1812–5, 1817 (Eng. Abstr.) **(Nor)**
[Course of multiple pregnancy complicated by gestosis] Górska K, et al. **Ginekol Pol** 1986 Sep;57(9):585–7 (Eng. Abstr.) **(Pol)**
[Multiple pregnancy in a woman lacking one fallopian tube, resulting in the birth of a healthy infant] Bińkowska M, et al. **Pol Tyg Lek** 1986 Aug 4;41(31):983–4 (Eng. Abstr.) **(Pol)**
[Twin pregnancy after extracorporeal fertilization] Berthold A. **Akush Ginekol (Mosk)** 1987 Apr;(4):61–2 **(Rus)**
[Possibilities for predicting multiple pregnancy] Fuks MA, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):61–3 **(Rus)**
[Comprehensive radionuclide evaluation of the general circulation and the uteroplacental circulation in multiple pregnancy] Illarionova NM, et al. **Med Radiol (Mosk)** 1987 May;32(5):35–7 (Eng. Abstr.) **(Rus)**
[Prenatal complications of multiple pregnancies] Fernández Alba J, et al. **Ginecol Obstet Mex** 1986 Oct;54:255–9 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The use of magnesium sulfate for tocolysis in preterm labor complicated by twin gestation and betamimetic-induced pulmonary edema. Ogburn PL Jr, et al. **Acta Obstet Gynecol Scand** 1986;65(7):793–4
Superovulation and multiple births in beef cattle. Bellows RA, et al. **J Anim Sci** 1972;34 Suppl 1:67–79

PREGNANCY, PROLONGED

Management of the postdates pregnancy. Losh DP, et al. **Am Fam Physician** 1987 Aug;36(2):184–94
Antepartum predictors of fetal distress in postterm pregnancy. Bochner CJ, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):353–8
Management of prolonged pregnancy: induction of labor versus antepartum fetal testing. Dyson DC, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):928–34
A randomized trial of induction at 42 weeks gestation versus expectant management for postdates pregnancies. Witter FR, et al. **Am J Perinatol** 1987 Jul;4(3):206–11
Prolonged pregnancy [letter] Barrett JF, et al. **Br Med J** 1987 Jan 3;294(6563):56–7
Randomised comparison of early versus late induction of labour in post-term pregnancy. Augensen K, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1192–5
Prolonged pregnancy: the management debate. Cardozo L, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1059–63
Prolonged pregnancy: the management debate [letter] Dennis KJ. **Br Med J [Clin Res]** 1986 Nov 29;293(6559):1434–5
Early versus late induction of labour in post-term pregnancy [letter] Lennox CE, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1689
Quantitative morphology of the placenta. II. The growth of the placenta and the problem of postmaturity. Bouw GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb; 8(1):31–42
Placental insufficiency and postmaturity. Vorherr H. **Eur J Obstet Gynecol Reprod Biol** 1975;5(1–2):109–22
Sinusoidal heart rate pattern and face presentation in a fetus from a postterm pregnancy. A case report. Hulet B, et al. **J Reprod Med** 1987 Mar;32(3):211–2
Objective method of diagnosing oligohydramnios in postterm pregnancies. Hashimoto B, et al. **J Ultrasound Med** 1987 Feb;6(2):81–4
Obstetrical ultrasound: the role of ultrasound in the term and post-term pregnancy. Lavery JP. **Nebr Med J** 1987 Jun;72(6):201–2
Predictability of complications associated with prolongation of pregnancy. Arias F. **Obstet Gynecol** 1987 Jul;70(1):101–6
The role of antepartum testing in the management of postterm pregnancies with heavy meconium in early labor. Bochner CJ, et al. **Obstet Gynecol** 1987 Jun;69(6):903–7
Perinatal characteristics of uncomplicated postdate pregnancies. Eden RD, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):296–9
Ultrasound placental grading and amniotic fluid quantitation in prolonged pregnancy. Monaghan J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):349–52
An active management approach to the postdate fetus with a reactive nonstress test and fetal heart rate decelerations. Small ML, et al. **Obstet Gynecol** 1987 Oct;70(4):636–40
The postdate pregnancy. When to wait, when to induce labor. Crump WJ, et al. **Postgrad Med** 1986 Oct; 80(5):291–3, 296–7
Postmaturity and induction of labour [editorial] Lee NC. **S Afr Med J** 1986 Nov 22;70(11):647
Amnionic fluid volume in prolonged pregnancy. Leveno KJ. **Semin Perinatol** 1986 Apr;10(2):154–61 (38 ref.)
[Prolonged abdominal pregnancy] Geshev G, et al. **Akush Ginekol (Sofiia)** 1987;26(3):62–5 **(Bul)**
[Sonographic and histological changes in the placenta in EPH gestosis and prolonged pregnancy] Ivanova S, et al. **Akush Ginekol (Sofiia)** 1987;26(1):14–6 **(Bul)**
[Prolonged pregnancy and perinatal distress] Kaffel M, et al. **Tunis Med** 1986 Oct;64(10):827–30 (Eng. Abstr.) **(Fre)**
[Vaginal biocenosis in advanced pregnancy, gestosis and prolonged pregnancy] Lotocki W, et al. **Ginekol Pol** 1986 Sep;57(9):600–4 (Eng. Abstr.) **(Pol)**
[State of the kallikrein-kinin system in prolonged pregnancy and delayed labor] Kheifets SN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):28–30 (Eng. Abstr.) **(Rus)**
[Composition of alveolar air and the alveolo-arterial gradient of respiratory gases and its significance in evaluation pulmonary respiration in newborn infants which have developed in utero in normal and complicated conditions] Iaroslavskiĭ VK. **Pediatriia** 1987;(1):107 **(Rus)**
[Procoagulant properties of the amniotic fluid. II. Thromboplastin acceleration in the amniotic fluid in the diagnosis of prolonged pregnancy] Angeles Weintraub CD, et al. **Ginecol Obstet Mex** 1986 Nov;54:297–300 (Eng. Abstr.) **(Spa)**
[Prolonged pregnancy. Diagnostic aspects] Chávez Brambila J, et al. **Ginecol Obstet Mex** 1986 Aug;54:203–7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Features of immunologic reactivity of the body and blood zinc levels in prolonged pregnancy] Artamonov VS, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):44–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolic quotients and oxygen extraction across the uterus of the post-term pregnant rabbit under chronic steady-state conditions. Jones RO, et al. **Biol Neonate** 1987;51(1):24–30

PHYSIOLOGY

Umbilical cord size and amniotic fluid volume in prolonged pregnancy. Silver RK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):716–20
Sonographic biophysical profile in the postdate pregnancy. Hann L, et al. **J Ultrasound Med** 1987 Apr;6(4):191–5
Fetal and maternal Doppler blood flow parameters in postterm pregnancies. Rightmire DA, et al.

Obstet Gynecol 1987 Jun;69(6):891–4

Prolonged pregnancy--a rational approach to management. Kulkarni SK, et al. **West Indian Med J** 1986 Dec; 35(4):314–7

[Polygraphic evaluation of sleep in prolonged pregnancy] Lotocki W, et al. **Ginekol Pol** 1986 Nov;57(11):712–5 (Eng. Abstr.) **(Pol)**

PREGNANCY PROTEINS

Kininogen as a pregnancy-associated plasma protein. Kärkkäinen T, et al. **Adv Exp Med Biol** 1986;198 Pt A:167–72

Amino-acid sequence similarities [letter] Bell SC, et al. **Nature** 1987 Sep 24–30;329(6137):296

ANALYSIS

Clinical value of pregnancy-specific beta 1-glycoprotein (SP1) and beta-hCG determination in serum in suspected ectopic pregnancy. Sørensen S, et al. **Acta Obstet Gynecol Scand** 1986;65(7):679–83

Ontogeny of expression of Pa and RT1.Aa antigens on rat placenta and on fetal tissues. Ho HN, et al. **Am J Reprod Immunol Microbiol** 1987 Feb;13(2):51–61

Immunohistochemical location of HPL, SP1 and beta-HCG in normal placentas of varying gestational age. Beck T, et al. **Arch Gynecol** 1986;239(2):63–74

Isolation and characterization of a flavin-containing placental protein (PP3). Bohn H, et al. **Arch Gynecol** 1987; 240(4):201–6

The immunocytochemical localization of new soluble placental tissue proteins (PP14, 16, 17, 19, 20 and PP21) in human and cynomolgus monkey placentae. Inaba N, et al. **Arch Gynecol** 1987;240(1):13–9

Placental protein 10: levels in benign and malignant ovarian cyst fluids and pleural exudates. Than G, et al. **Arch Gynecol** 1987;240(2):115–8

Human endometrium and menstrual fluid contain placental protein 10 (PP10). Tiitinen A, et al. **Arch Gynecol** 1987; 240(2):107–13

Amniotic fluid concentrations of secreted pregnancy-associated endometrial alpha 1- and alpha 2-globulins (alpha 1- and alpha 2-PEG). Bell SC, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):909–15

The disappearance rate of Schwangerschaftsprotein 1 in normal and pathological pregnancies. Huttenmoser JL, et al. **Br J Obstet Gynaecol** 1987 May;94(5):420–4

The content and immunohistochemical localization of placental protein 10 (PP10) in the fallopian tube. Tiitinen A, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):924–7

Pregnancy-specific beta 1-glycoprotein in serum in monoclonal gammopathies: relationship with serum beta 2-microglobulin, and cellular origin. Fagnart OC, et al. **Clin Chem** 1986 Dec;32(12):2150–4

Biochemical assessment of placental function: early pregnancy. Grudzinskas JG, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):553–69 (63 ref.)

The use of hCG and other pregnancy proteins in the diagnosis of ectopic pregnancy. Seppälä M, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):148–54 (35 ref.)

Serologic study by competitive enzyme-linked immunosorbent assay of pregnancy-associated alpha 2-glycoprotein in hepatitis B virus infection. Zarzur JA, et al. **Diagn Immunol** 1986;4(6):277–80

Amino acid sequence homology between human placental protein 14 and beta-lactoglobulins from various species. Huhtala ML, et al. **Endocrinology** 1987 Jun;120(6):2620–2

Investigation of pregnancy-specific beta 1-glycoprotein (SP1) in the serum of healthy non-pregnant women. Radikov N, et al. **Folia Med (Plovdiv)** 1986;28(3):37–9

Placental proteins in peripheral blood and tissues of ectopic pregnancies. Tornehave D, et al. **Gynecol Obstet Invest** 1987;23(2):97–102

Human endometrium and menstrual fluid contain placental protein 5 (PP5). Bützow R, et al. **Hum Reprod** 1986 Aug; 1(5):287–9

Immunohistochemical localization of pregnancy-associated plasma protein-A in the male genital tract. Schindler AM, et al. **Hum Reprod** 1986 Feb;1(2):55–9

Plasma pregnancy specific beta 1-glycoprotein (SP1) in pregnancy. Raman L, et al. **Indian J Med Res** 1986 Aug; 84:223–6

Identification and characterization of the nonphosphorylated precursor of pp17, a phosphoprotein associated with phorbol ester induction of growth arrest and monocytic differentiation in HL-60 promyelocytic leukemia cells. Braverman R, et al. **J Biol Chem** 1986 Oct 25; 261(30):14342–8

In vitro evidence that carbohydrate moieties derived from uromodulin, an 85,000 dalton immunosuppressive glycoprotein isolated from human pregnancy urine, are immunosuppressive in the absence of intact protein. Muchmore AV, et al. **J Immunol** 1987 Apr 15; 138(8):2547–53

A two-site immunoradiometric assay for human pregnancy-associated plasma protein A (PAPP-A) using monoclonal antibodies. Mowles EA, et al. **J Immunol Methods** 1986 Dec 4;95(1):129–33

Immunochemical detection, physicochemical characterization and levels of pregnancy-associated endometrial alpha 2-globulin (alpha 2-PEG) in seminal plasma of men. Bell SC, et al. **J Reprod Fertil** 1987 May; 80(1):31–42

Gastric choriocarcinoma; an immunohistochemical study. Ramponi A, et al. **Pathol Res Pract** 1986 Aug;181(4):390–6

Application of an enzyme-linked immunoassay for the measurement of pregnancy zone protein (PZP) in cell culture supernatants and sera. Povlsen JV, et al. **Scand J Clin Lab Invest** 1987 May;47(3):207–13

Cellular localisation in placenta of placental type plasminogen activator inhibitor. Astedt B, et al. **Thromb Haemost** 1986 Aug 20;56(1):63–5

[Production of pregnancy-specific proteins (PAPP-A and SP1) in gynecologic diseases treated surgically] Atanasov A, et al. **Akush Ginekol (Sofiia)** 1986;25(5):43–5 (Eng. Abstr.) **(Bul)**

[Pregnancy-specific beta 1-glycoprotein in normal pregnancy and fetal growth retardation] Ruseva R, et al. **Akush Ginekol (Sofiia)** 1986;25(4):17–20 (Eng. Abstr.) **(Bul)**

[Early pregnancy diagnosis with SP1-reverse passive hemoagglutination assay] Xu HL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Nov;21(6):325–8, 390 (Eng. Abstr.) **(Chi)**

[Determination of pregnancy specific beta ¹ glycoprotein in obstetrics] Zhang WY. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):24–6, 62 (Eng. Abstr.) **(Chi)**

[Significance of the determination of alpha-1-antitrypsin and pregnancy-associated alpha-1-glycoprotein in the serum of patients with bronchogenic carcinoma] Homolka J, et al. **Cas Lek Cesk** 1987 Jan 16;126(3):73–5 (Eng. Abstr.) **(Cze)**

[SP1 serum levels in multiple pregnancy] Fialová L, et al. **Cesk Gynekol** 1987 Feb;52(1):13–7 (Eng. Abstr.) **(Cze)**

[Determination of SP1 in the serum of pregnant diabetics] Fialová L, et al. **Cesk Gynekol** 1987 Mar;52(2):84–8 (Eng. Abstr.) **(Cze)**

[Behavior of some tumor markers (secretory immunoglobulin A, pregnancy-associated alpha 2-glycoprotein, circulating immune complexes in the serum of patients with breast tumors] Briese V, et al. **Zentralbl Gynakol** 1987; 109(5):265–73 (Eng. Abstr.) **(Ger)**

[Pregnancy protein-1 in the serum of patients with diseases of the breast] Strache RR, et al. **Zentralbl Gynakol** 1987; 109(5):274–9 (Eng. Abstr.) **(Ger)**

[Establishment and characteristics of a new human choriocarcinoma cell line and its production of tumor markers] Nczawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):889–96 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical localization of hCG alpha, hCG beta CTP, hPL and SP1 on villous and extravillous trophoblasts in normal human pregnancy] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul;39(7):1073–9 (Eng. Abstr.) **(Jpn)**

[Specific trophoblastic beta-glycoprotein in obstetric practice] Posiseeva LV. **Akush Ginekol (Mosk)** 1986 Oct; (10):6–8 (63 ref.) **(Rus)**

[Relation between the spatial structure and antigenic activity of trophoblast-specific beta1-glycoprotein] Moroz SV, et al. **Bioorg Khim** 1987 Apr;13(4):519–27 (Eng. Abstr.) **(Rus)**

[Immunochemical study of the heterogeneity of trophoblastic beta 1-glycoprotein] Krivonosov SK, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):442–4 (Eng. Abstr.) **(Rus)**

[Serum levels of pregnancy-associated alpha 2-glycoprotein in patients with different lung diseases] Nikulina DM, et al. **Probl Tuberk** 1987;(3):57–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Progesterone regulation of protein synthesis and steroid receptor levels in decidual cells. Leavitt WW, et al. **Ann NY Acad Sci** 1986;476:136–57

Production of pregnancy-associated plasma protein-A (PAPP-A) by cultured tumour granulosa cells. Sinosich MJ, et al. **Gynecol Obstet Invest** 1987;23(1):60–6

Effects of growth hormone on pregnancy-associated murine protein-1. Fröhlander N, et al. **J Reprod Fertil** 1987 Mar; 79(2):367–71

Identification and molecular weight of SP1 synthesized from mRNA of human placenta in a wheat germ cell-free system. Bocco JL, et al. **Mol Biol Rep** 1987;12(1):55–9

BLOOD

Circulating levels of placental protein 10 (PP10) in diabetic pregnancy. Tiitinen A, et al. **Acta Obstet Gynecol Scand** 1986;65(7):709–11

Human term placenta releases placental protein 10 (PP10) in tissue culture. Tiitinen A. **Acta Obstet Gynecol Scand** 1986;65(7):705–8

Effect of encephalomyocarditis (EMC) virus on murine foetal and placental growth monitored by quantification of maternal plasma levels of pregnancy-associated murine protein-2 and alpha-fetoprotein. Hau J, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):339–42

Pregnancy-specific beta 1-glycoprotein (SP1) after in vitro fertilization and embryo transfer. Marty F, et al. **Arch Gynecol** 1987;240(3):185–90

A comparison of circulating immune complexes, pregnancy associated beta 1-macroglobulin and galactosyltransferase as tumour markers for ovarian cancer. Dodd J, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):203–5

Detection of pregnancy by radioimmunoassay of a novel pregnancy-specific protein in serum of cows and a profile of serum concentrations during gestation. Sasser RG, et al. **Biol Reprod** 1986 Nov;35(4):936–42

Elevated levels of a somatomedin-binding protein PP12 in patients with ovarian cancer. Iino K, et al. **Cancer** 1986 Nov 15;58(10):2294–7

SP1--really a tumor marker for lymphoid malignancy? [letter] Marty F, et al. **Clin Chem** 1986 Nov;32(11):2123–4

Serum levels of pregnancy-specific beta 1-glycoprotein (SP1) and human chorionic gonadotropin (beta-hCG) in women using an intrauterine device. Tamsen L, et al. **Contraception** 1986 May;33(5):497–501

Serum concentration of placental proteins (PP5 and PP10) in toxemia of pregnancy as related to intrauterine growth retardation. Takayama M, et al. **Gynecol Obstet Invest** 1987; 23(2):89–96

Diagnostic reliability of simultaneous measurements of beta human chorionic gonadotropin and pregnancy-specific beta-1-glycoprotein in serum of patients with trophoblastic disease. Takayama M, et al. **Gynecol Obstet Invest** 1987; 23(3):151–6

Luteal phase concentrations of a progestagen-associated endometrial protein (PEP) in the serum of cycling women with adequate or inadequate endometrium. Joshi SG, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1247–9

Serological detection of early pregnancy in cattle and partial characterization of a serum glycoprotein associated with early pregnancy. Klima F, et al. **J Reprod Immunol** 1987 May;11(1):31–9

[Blood proteins and risk pregnancy] Fuchs V, et al. **Cesk Gynekol** 1987 May;52(4):315–23 (156 ref.) **(Cze)**

[SP1-glycoprotein and beta-HCG during the first trimester in physiological, ectopic and abortive pregnancies] Fanizza G, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar-Apr; 108(2):77–82 (Eng. Abstr.) **(Ita)**

[Placental oxytocinase and alkaline phosphatase activities and the SP1-glycoprotein level in pregnancy complicated by intrauterine fetal growth retardation] Gabryś M, et al. **Ginekol Pol** 1986 Nov;57(11):723–6 (Eng. Abstr.) **(Pol)**

[Beta 1-glycoprotein (SP1) in pregnant women with intrauterine fetal hypotrophy] Wieczorek P. **Ginekol Pol** 1986 Sep;57(9):582–4 (Eng. Abstr.) **(Pol)**

[Determination of trophoblast-specific beta-glycoprotein in women at risk for fetal hypoxia] Posiseeva LV, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):47–9 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Pregnancy-specific beta 1 glycoprotein (SP1) in the cerebrospinal fluid. Fagnart OC, et al. **Eur Neurol** 1987; 26(1):35–9

GENETICS

A growth-related mRNA in cultured mouse cells encodes a placental calcium binding protein. Jackson-Grusby LL, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6677–90

IMMUNOLOGY

Comparison of different antibody preparations against pregnancy-associated plasma protein-A (PAPP-A) for use in localization and immunoassay studies. Chemnitz J, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):916–23

Immunosuppressive properties of pregnancy serum on the mixed lymphocyte reaction. Nicholas NS, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1251–5

An ovarian cancer-associated antigen that crossreacts with a pregnancy-associated protein. Nakai M, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):39–48

Identification of bovine trophoblast protein-1, a secretory protein immunologically related to ovine trophoblast protein-1. Helmer SD, et al. **J Reprod Fertil** 1987 Jan; 79(1):83–91

Identification of placental protein 14 as an immunosuppressive factor in human reproduction. Bolton AE, et al. **Lancet** 1987 Mar 14;1(8533):593–5

ISOLATION & PURIFICATION

Purification of decidual prolactin-releasing factor, a placental protein that stimulates prolactin release from human decidual tissue. Handwerger S, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):452–9

Purification of placental protein PP12 from human amniotic fluid and its comparison with PP12 from placenta by immunological, physicochemical and somatomedin-binding properties. Koistinen R, et al. **Clin Chim Acta** 1987 May 15;164(3):293–303

Purification of human secretory pregnancy-associated endometrial alpha 2-globulin (alpha 2-PEG) from cytosol of first trimester pregnancy endometrium. Bell SC. **Hum Reprod** 1986 Aug;1(5):313–8

New placental proteins: chemistry, physiology and clinical use. Rosen SW. **Placenta** 1986 Nov-Dec;7(6):575–94 (110 ref.)

METABOLISM

Total proteins in human amniotic fluid. Bala S, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):141–4

Biologically active domain in somatomedin-binding protein. Huhtala ML, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):263-70

Evidence for binding of human pregnancy zone protein-proteinase complex to alpha 2-macroglobulin receptors. Gliemann J, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):400-6

Placental proteins in oncology. Seppälä M, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):593-610 (112 ref.)

Human pregnancy zone protein and alpha 2-macroglobulin. High-affinity binding of complexes to the same receptor on fibroblasts and characterization by monoclonal antibodies. Van Leuven F, et al. **J Biol Chem** 1986 Dec 15;261(35):16622-5

Calcium-sensitive, lipid-binding cytoskeletal proteins of the human placental microvillar region. Edwards HC, et al. **J Cell Biol** 1987 Jul;105(1):303-11

Evidence that recombinant IL 1 alpha exhibits lectin-like specificity and binds to homogeneous uromodulin via N-linked oligosaccharides. Muchmore AV, et al. **J Immunol** 1987 Apr 15;138(8):2541-6

Methylated DNA-binding protein from human placenta recognizes specific methylated sites on several prokaryotic DNAs. Wang RY, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9843-60

PHARMACODYNAMICS

Placental-derived mitogenic factor for human fetal adrenocortical cell cultures. Simonian MH, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):57-62

Uromodulin, an immunosuppressive protein derived from pregnancy urine, is an inhibitor of interleukin 1. Brown KM, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9119-23

[Regulation of the production of a factor inhibiting macrophage migration in uncomplicated pregnancy by trophoblastic beta 1-glycoprotein] Petrov RV, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):63-5 **(Rus)**

[Comparative study of the immunosuppressive properties of trophoblastic beta 1-glycoprotein and placental alpha 2-microglobulin in vitro] Gulianskiĭ LN, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):65-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Potential role of pregnancy-associated plasma protein-A in human reproduction. Sinosich MJ, et al. **J Reprod Immunol** 1987 Jan;10(1):55-65

A murine model for the assessment of placental and fetal development in teratogenicity studies. Hau J, et al. **Lab Anim** 1987 Jan;21(1):26-30

Identification of a low molecular weight polypeptide of pregnant bovine uterine origin (LMW-UDF): influence on coagulation system in vitro. Part I. Speidel MT, et al. **Thromb Res** 1987 Apr 1;46(1):77-87

SECRETION

Detection and characterization of human secretory "pregnancy-associated endometrial alpha 2-globulin" in uterine luminal fluid. Bell SC, et al. **J Reprod Immunol** 1987 May;11(1):13-29

THERAPEUTIC USE

[Treatment of rheumatoid arthritis. Comparative study of the effect of immunoglobulins G eluted from the placenta and of venoglobulins] Sany J, et al. **Presse Med** 1987 Apr 25; 16(15):723-4 (Eng. Abstr.) **(Fre)**

URINE

Uromodulin. An immunosuppressive 85-kilodalton glycoprotein isolated from human pregnancy urine is a high affinity ligand for recombinant interleukin 1 alpha. Muchmore AV, et al. **J Biol Chem** 1986 Oct 15; 261(29):13404-7

PREGNANCY, SECOND TRIMESTER see **PREGNANCY TRIMESTER, SECOND**

PREGNANCY-SPECIFIC BETA 1-GLYCOPROTEIN see under **PREGNANCY PROTEINS**

PREGNANCY, TEENAGE see **PREGNANCY IN ADOLESCENCE**

PREGNANCY TESTS

In-home pregnancy tests [letter] Clark JD. **Am J Public Health** 1986 Dec;76(12):1461

More on in-home pregnancy tests [letter] Clark JD. **Am J Public Health** 1987 Mar;77(3):371

Emergency serum and urine HCG analyses with the 'Tandem ICON' procedure. Tsokos N, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):284-6

Automated and manual quantitative assays of choriogonadotropin in serum compared. Beinlich CJ, et al. **Clin Chem** 1987 Jan;33(1):167-9

Biochemical assessment of placental function: early pregnancy. Grudzinskas JG, et al. **Clin Obstet Gynaecol** 1986 Sep;13(3):553-69 (63 ref.)

hCG determinations in early pregnancy [letter] Kadar N, et al. **Fertil Steril** 1987 Apr;47(4):722-4

Pilot study to detect early pregnancy and early fetal loss. Ellish NJ, et al. **J Occup Med** 1986 Oct;28(10):1069-73

METHODS

Hysteroscopic treatment of early pregnancy conceived despite intrauterine contraception. Van der Pas HF. **Acta Eur Fertil** 1986 Nov-Dec;17(6):481-3

New immunochemical method for rapid detection of human choriogonadotropin in urine. Shoham Z, et al. **Clin Chem** 1987 Jun;33(6):800-2

Update on pregnancy testing. Fletcher JL Jr. **Primary Care** 1986 Dec;13(4):667-77 (13 ref.)

[Early pregnancy diagnosis with SP1-reverse passive hemoagglutination assay] Xu HL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Nov;21(6):325-8, 390 (Eng. Abstr.) **(Chi)**

[Determination of choriogonadotropin (hCG). Current problems] Roger M, et al. **Ann Biol Clin (Paris)** 1986; 44(5):491-9 **(Fre)**

[New, simple and sensitive urinary and blood pregnancy tests. A market study with special reference to the diagnosis of extra-uterine pregnancies] Daae LN, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):656-8 (Eng. Abstr.) **(Nor)**

STANDARDS

Criteria for evaluating nonquantitative assays: application to serum choriogonadotropin. Delfert DM, et al. **Clin Chem** 1987 Jan;33(1):150-3

VETERINARY

An evaluation of pregnancy testing in sheep using a real-time ultrasound scanner. Davey CG. **Aust Vet J** 1986 Oct; 63(10):347-8

The evaluation of a new rapid milk progesterone test as an aid to improving dairy herd fertility. Worsfold AI, et al. **Br Vet J** 1987 Jan-Feb;143(1):83-7

Pregnancy diagnosis in swine: a comparison of the accuracies of mechanical and endocrine tests with return to estrus. Almond GW, et al. **J Am Vet Med Assoc** 1986 Dec 15; 189(12):1567-71

Comparison of on-farm laboratory milk progesterone assays for identifying errors in detection of estrus and diagnosis of pregnancy. Nebel RL, et al. **J Dairy Sci** 1987 Jul; 70(7):1471-6

Detection of early pregnancy in domestic ruminants. Sasser RG, et al. **J Reprod Fertil [Suppl]** 1987;34:261-71 (76 ref.)

Serological detection of early pregnancy in cattle and partial characterization of a serum glycoprotein associated with early pregnancy. Klima F, et al. **J Reprod Immunol** 1987 May;11(1):31-9

Use of echography in rabbits for pregnancy diagnosis. Inaba T, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1003-6

Oestrone sulphate for pregnancy diagnosis in sows [letter] Glossop CE, et al. **Vet Rec** 1987 Jan 17;120(3):71

Ultrasonic scanning [letter] Jackson GH. **Vet Rec** 1986 Dec 6;119(23):584

Oestrone sulphate for pregnancy diagnosis in sows [letter] Sweeney HJ, et al. **Vet Rec** 1987 Jan 3;120(1):23-4

[Pregnancy diagnosis in thoroughbred mares using radioimmunoassay (RIA), enzyme immunoassay (kit) and ultrasound echography (scanning)] Rasbech NO, et al. **Nord Vet Med** 1986 Nov-Dec;38(6):370-7 (Eng. Abstr.) **(Dan)**

PREGNANCY TESTS, IMMUNOLOGIC

Choriogonadotropin and pregnancy testing: prozone phenomenon defined [letter] Armbruster DA. **Clin Chem** 1987 May;33(5):742

Evaluation and comparison of commercially available pregnancy tests based on monoclonal antibodies to human choriogonadotropin. Gelletlie R, et al. **Clin Chem** 1986 Dec; 32(12):2166-70

Radioimmunoassay of beta HCG. McFarlin B, et al. **IMJ** 1986 Sep;170(3):141-2

METHODS

Evaluation of new serum and urine tests in cases of suspected pathologic early pregnancy. Steier JA, et al. **Acta Obstet Gynecol Scand** 1986;65(5):463-5

Enzyme-linked immunosorbent urine pregnancy tests. Clinical specificity studies. Bandi ZL, et al. **Am J Clin Pathol** 1987 Feb;87(2):236-42

Utility of a sensitive bedside serum pregnancy test. Gennis P, et al. **Ann Emerg Med** 1987 Jun;16(6):659-61

Verification of early pregnancy tests in a multicenter trial. Jovanovic L, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):201-5

Monoclonal antibodies based sandwich erythro-immunoassay and 'dot' enzyme immunoassay for human chorionic gonadotropin in urine. Gupta SK, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):751-9

[A two-site ELISA using monoclonal antibodies in the diagnosis of early pregnancy] Xu ZH. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):459-61, 510 (Eng. Abstr.) **(Chi)**

VETERINARY

Assessment of pregnancy in sheep by analysis of plasma progesterone using an amplified enzyme immunoassay technique. McPhee IM, et al. **Vet Rec** 1987 Jul 18; 121(3):63-5

PREGNANCY, THIRD TRIMESTER see **PREGNANCY TRIMESTER, THIRD**

PREGNANCY TOXEMIAS

Perinatal events and necrotizing enterocolitis in premature infants. Kanto WP Jr, et al. **Am J Dis Child** 1987 Feb; 141(2):167-9

[Course of multiple pregnancy complicated by gestosis] Górska K, et al. **Ginekol Pol** 1986 Sep;57(9):585-7 (Eng. Abstr.) **(Pol)**

[Status of research into the problem of late pregnancy toxicosis] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):70-2 **(Rus)**

[Composition of alveolar air and the alveolo-arterial gradient of respiratory gases and its significance in evaluation pulmonary respiration in newborn infants which have developed in utero in normal and complicated conditions] Iaroslavskiĭ VK. **Pediatriia** 1987;(1):107 **(Rus)**

BLOOD

The placental transfer and concentration difference in maternal and neonatal serum uric acid at parturition: comparison of normal pregnancies and gestosis. Chang FM, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):35-9

Prolactin in severe toxemia of pregnancy. Miyakawa I, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1-2):25-30

Serum concentration of placental proteins (PP5 and PP10) in toxemia of pregnancy as related to intrauterine growth retardation. Takayama M, et al. **Gynecol Obstet Invest** 1987; 23(2):89-96

[Hemorrheologic changes in normal pregnancy and pregnancy-induced hypertension syndrome] Shen DA. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):219-21, 252 (Eng. Abstr.) **(Chi)**

[Coagulation-fibrinolysis system on pregnant toxicosis] Yoshida A, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct; 28(10):1345-52 (Eng. Abstr.) **(Jpn)**

[Rheological changes in the blood of pregnant women at risk for the development of late toxicosis] Voronin KV, et al. **Lab Delo** 1987;(6):430-5 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

A scoring system for toxemia of pregnancy. Ichijo M, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):259-67

COMPLICATIONS

Maternal hyponatremia and the syndrome of hemolysis, elevated liver enzymes, and low platelet count. Goodlin R, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):910-1

Proliferative retinopathy and toxemia of pregnancy. Brancato R, et al. **Ann Ophthalmol** 1987 May;19(5):182-3

Cortical blindness in toxaemia of pregnancy: findings on computed tomography. Lau SP, et al. **Br J Radiol** 1987 Apr;60(712):347-9

[Hemorrhagic hepatic lesions in toxemia of pregnancy] Abi F, et al. **J Chir (Paris)** 1986 Dec;123(12):742-5 (Eng. Abstr.) **(Fre)**

[Effect of pregnancy pathology on the dental caries incidence of children] Koval'chuk La, et al. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):15-6 (Eng. Abstr.) **(Rus)**

[Acute autoimmune hemolytic anemia as a manifestation of toxemia of pregnancy] Zakatova LV, et al. **Vrach Delo** 1987 Jun;(6):86-8 **(Rus)**

DIAGNOSIS

Systematic monitoring program in high risk pregnancies. A report of 100 cases. Zhou ZL, et al. **Chin Med J [Engl]** 1986 Oct;99(10):847-9

[Clinical and electroencephalographic studies of pregnant women with late pregnancy toxicoses] Bozhinova S, et al. **Akush Ginekol (Sofiia)** 1987;26(1):10-4 (Eng. Abstr.) **(Bul)**

[Sonographic and histological changes in the placenta in EPH gestosis and prolonged pregnancy] Ivanova S, et al. **Akush Ginekol (Sofiia)** 1987;26(1):14-6 **(Bul)**

[The HELLP syndrome--its clinical aspects, diagnosis and therapy (a case report)] Ivanova S, et al. **Akush Ginekol (Sofiia)** 1987;26(2):76-9 (Eng. Abstr.) **(Bul)**

[Kidney diseases and hypertension in pregnancy] Wegmüller E. **Ther Umsch** 1987 Jan;44(1):7-15 (Eng. Abstr.) **(Ger)**

[Tubular damage in toxemia of pregnancy using urinary trehalase as a marker] Higuchi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):655-62 (Eng. Abstr.) **(Jpn)**

[A simplified "roll-over test" for predicting toxemia of pregnancy] Shibata J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1803-6 **(Jpn)**

DRUG THERAPY

[Treatment of hypertensive emergencies in nephrology with

nifedipine] Coratelli P, et al. **Minerva Urol Nefrol** 1987 Jan-Mar;39(1):85-8 (Eng. Abstr.) **(Ita)**

[Effect of injections of parturients with trental on the transfer of exogenous glucose to the fetus] Kucheriavenko AN. **Akush Ginekol (Mosk)** 1987 Feb;(2):63 **(Rus)**

ENZYMOLOGY

Mitochondrial oxidative capacity in gestosic pregnancy. Ottavi I, et al. **Int J Tissue React** 1987;9(3):263-5

[Effect of determination of lactate dehydrogenase and its isoenzymes on monitoring high-risk pregnancy] Zhou LF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep; 21(5):264-7, 317 (Eng. Abstr.) **(Chi)**

[A study on the activity of the PGI2 producing enzyme system derived from maternal and fetal vessels of toxemia of pregnancies] Seki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):905-10 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Theory of the etiology of human toxemia of pregnancy: fetal hyperinsulinemia as a compensatory response to decreased uterine blood flow. Bonds DR, et al. **Med Hypotheses** 1987 Jul;23(3):225-31

Human fetal borreliosis, toxemia of pregnancy, and fetal death. MacDonald AB. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1-2):189-200

[Evaluation of the renal and neurogenic mechanisms of development of gestational nephropathy and post-nephropathic hypertension] Razumov VV. **Akush Ginekol (Mosk)** 1987 Feb;(2):40-4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Complement aspects of threatened abortion and toxemia of pregnancy. Hatano H, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):443-50

Cellular hyperreactivity to placenta in toxemia of pregnancy. Toder V, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec;9(6):379-84

[Deviations in the immune profile of patients with late pregnancy toxicoses] Kis'ov V, et al. **Akush Ginekol (Sofiia)** 1987;26(1):8-10 (Eng. Abstr.) **(Bul)**

[Immunocomplexes in pregnancy. II. Phagocytosed complexes in the peripheral blood] Knobloch V, et al. **Cesk Gynekol** 1986 Sep;51(8):611-6 (Eng. Abstr.) **(Cze)**

[Lymphocyte subpopulations in gestosis] Lellé RJ, et al. **Zentralbl Gynakol** 1986;108(15):919-24 (Eng. Abstr.) **(Ger)**

[Detection of circulating immune complexes in patients with EPH gestosis or intrauterine fetal growth retardation] Lödge M, et al. **Zentralbl Gynakol** 1987;109(2):108-11 (Eng. Abstr.) **(Ger)**

[Characteristics of placental antigen isosensitization in the mother-fetus system in late pregnancy toxicosis] Fazleeva LK. **Akush Ginekol (Mosk)** 1987 Apr;(4):19-21 **(Rus)**

[Natural killers and other cellular immunity indices in physiological pregnancy and pregnancy complicated by late toxicosis] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):15-8 (Eng. Abstr.) **(Rus)**

[Humoral immunoregulatory factors in normal and complicated pregnancy] Vasil'eva ZF, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):17-22 (Eng. Abstr.) **(Rus)**

METABOLISM

Determining the type of prostaglandins excreted from the smooth muscles under the influence of the activating serum factor in women with pathological pregnancy. Milieva E, et al. **Folia Med (Plovdiv)** 1986;28(3):32-6

[Usefulness of determining free estriol, placental lactogen, progesterone, placental alkaline phosphatase, uric acid, hematocrit, hemoglobin and proteins in the blood and estrogen in the urine in the prognosis of the status of newborn infants in EPH gestosis] Ronin-Walknowska E, et al. **Ginekol Pol** 1987 Jan;58(1):21-6 (Eng. Abstr.) **(Pol)**

[Corticotropin and glucocorticoids of the feto-placental complex in late toxemia of pregnancy] Palladi GA, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):35-7 **(Rus)**

MICROBIOLOGY

[Vaginal biocenosis in advanced pregnancy, gestosis and prolonged pregnancy] Lotocki W, et al. **Ginekol Pol** 1986 Sep;57(9):600-4 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Liver disease in toxemia of pregnancy. Rolfes DB, et al. **Am J Gastroenterol** 1986 Dec;81(12):1138-44

Ocular fluorophotometric and angiographic findings in toxemia of pregnancy. Chaine G, et al. **Arch Ophthalmol** 1986 Nov;104(11):1632-5

Scanning electron microscopic study on the angioarchitecture of glomeruli in experimental toxemia of pregnancy in the rabbit. Fukuda O, et al. **Artery** 1987; 14(4):223-8

[The fluoroangiography picture of the ocular fundus in gestoses] Synek S, et al. **Cesk Oftalmol** 1986 Jul;42(4):262-6 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Acute second trimester EPH (edema/proteinuria/hypertension) gestosis as an indicator of fetal anomaly. Colwill JR, et al. **Birth Defects** 1987; 23(1):179-90

Changes in right and left ventricular dynamics in late toxaemia of pregnancy. Perelman YuM. **Cor Vasa** 1987; 29(2):131-7

Cerebral vasoconstriction in toxemia. Will AD, et al. **Neurology** 1987 Sep;37(9):1555-7

Functional state of the pituitary-thyroid and pituitary-adrenal systems in normal pregnancy and pregnancy with late toxemia. Tsil'mer KYa, et al. **Neurosci Behav Physiol** 1986 Nov-Dec;16(6):525-9

[Kidney function in EPH gestosis] Dastych M, et al. **Cesk Gynekol** 1987 Apr;52(3):183-6 (Eng. Abstr.) **(Cze)**

[Functions of the cardiovascular and fetoplacental systems in late toxicosis] Laricheva IP, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):21-4 (Eng. Abstr.) **(Rus)**

[Changes in the EEG of pregnant women with nephropathy] Palinka GK, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):37-40 (Eng. Abstr.) **(Rus)**

[Indices of the pituitary-adrenal system and cellular immunity responses in normal pregnancy and pregnancy complicated by late toxemia] Volkova NN, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):32-4 (Eng. Abstr.) **(Rus)**

[Analysis of the relation between the basic parameters of gas exchange, pulmonary ventilation and hemodynamics in pregnant women] Lopatin VA, et al. **Fiziol Cheloveka** 1987 May-Jun;13(3):456-62 **(Rus)**

[Structure of the sleep of newborn infants as an index if degree of maturity and lesions of the central nervous system in different forms of perinatal pathology] Evsiukova II. **Vestn Akad Med Nauk SSSR** 1987;(1):46-51 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Effect of calcium and vitamin D supplementation on toxaemia of pregnancy. Marya RK, et al. **Gynecol Obstet Invest** 1987; 24(1):38-42

[Pathogenetic grounds for preventive therapy of the hypoxic syndrome of pregnant women at risk for development of late toxemia] Voronin KV, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):44-7 (Eng. Abstr.) **(Rus)**

THERAPY

Who's to say? Avery JK. **J Tenn Med Assoc** 1986 Dec; 79(12):768

[Use of the technic of variation pulsometry to evaluate the adequacy of infusion therapy among pregnant women with nephropathy] Sukhanova LP, et al. **Anesteziol Reanimatol** 1986 Jul-Aug;(4):67-71 (Eng. Abstr.) **(Rus)**

URINE

Urinary protein patterns and EPH-gestosis. Quaas L, et al. **Clin Nephrol** 1987 Mar;27(3):107-10

[Urinary PGE2 levels in toxemia of pregnancy] Tanaka M. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1527-34 (Eng. Abstr.) **(Jpn)**

VETERINARY

[Pregnancy toxemia of small ruminants with special reference to pathomorphology] Tontis A, et al. **Tierarztl Prax** 1987; 15(1):25-9 (Eng. Abstr.) **(Ger)**

PREGNANCY TRIMESTER, FIRST

DRUG EFFECTS

Therapeutic abortion in early pregnancy with antiprogestogen RU486 alone or in combination with prostaglandin analogue (gemeprost). Cameron IT, et al. **Contraception** 1986 Nov;34(5):459-68

Plasma levels of antiprogestin RU 486 following oral administration to non-pregnant and early pregnant women. Swahn ML, et al. **Contraception** 1986 Nov;34(5):469-81

PREGNANCY TRIMESTER, SECOND

Why me? Second trimester abortion. Neidhardt A. **Am J Nurs** 1986 Oct;86(10):1133-5

Acute second trimester EPH (edema/proteinuria/hypertension) gestosis as an indicator of fetal anomaly. Colwill JR, et al. **Birth Defects** 1987; 23(1):179-90

Blood chemistry of normal human fetuses at midtrimester of pregnancy. Forestier F, et al. **Pediatr Res** 1987 Jun; 21(6):579-83

DRUG EFFECTS

Absence of transplacental passage of pentosan polysulfate during mid trimester of pregnancy. Forestier F, et al. **Thromb Haemost** 1986 Dec 15;56(3):247-9

PREGNANCY TRIMESTER, THIRD

Intrauterine therapy for presumptive fetal myocarditis with acquired heart block due to systemic lupus erythematosus. Experience in a mother with a predominance of SS-B (La) antibodies. Buyon JP, et al. **Arthritis Rheum** 1987 Jan; 30(1):44-9

PREGNANCY, TUBAL

Tubal pregnancy following laparoscopic sterilisation. Iype E, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun; 13(2):201-2

Three ectopic pregnancies in one patient. Case report. Ogbaselassie G. **Br J Obstet Gynaecol** 1987 Jul;94(7):709-11

Combined extra- and intra-uterine pregnancies. A report of 3 cases. Ombelet W, et al. **S Afr Med J** 1986 Oct 25; 70(9):559-60

[Bilateral extra-uterine pregnancy] Hassa J, et al. **Cesk Gynekol** 1987 May;52(4):309-11 **(Cze)**

COMPLICATIONS

Incidental pregnancy luteoma associated with ectopic tubo-ovarian pregnancy: evidence in favor of origin from theca interna of an atretic follicle. Honoré LH, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):15-9

Ectopic pregnancy presenting as intermittent rectal bleeding and anemia. A case report. de Boer CN. **Int J Gynaecol Obstet** 1986 Oct;24(5):379-81

Concurrent ectopic pregnancy, Meckel's diverticulum with vitelline duct remnant, cecal volvulus, and congenital complete heart block: report of a case. Martin RH, et al. **J Am Osteopath Assoc** 1986 Sep;86(9):589-91

Secondary abdominal pregnancy associated with normal intra-uterine pregnancy [letter] Buckshee K, et al. **J Indian Med Assoc** 1987 Feb;85(2):60

Synchronous ectopic pregnancy and appendicitis. Magill WS, et al. **Milit Med** 1986 Sep;151(9):493-4

Tubal pregnancy and the risk of subsequent infertility. Mueller BA, et al. **Obstet Gynecol** 1987 May;69(5):722-6

Bilharzial salpingitis and ectopic tubal pregnancy [letter] Graubard Z, et al. **S Afr Med J** 1987 Apr 18;71(8):537

Morular metaplasia of the endometrium misdiagnosed as adeno-acanthoma in a patient with tubal pregnancy. A case report. von der Heyden U, et al. **S Afr Med J** 1986 Dec 6;70(12):764-6

[Intra- and extrauterine pregnancy: a rare diagnosis] Crooij MJ, et al. **Ned Tijdschr Geneeskd** 1986 Aug 23; 130(34):1525-6 (Eng. Abstr.) **(Dut)**

[Ruptured lutein cyst associated with undiagnosed contralateral tubal pregnancy] Belhassen A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):189-94 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Unilateral tubal twin gestation. Nsofor BI. **Cent Afr J Med** 1986 Jul;32(7):172

Nuclear magnetic resonance imaging of a patient with an ectopic pregnancy. Roth G, et al. **Gynecol Obstet Invest** 1987;23(2):135-40

Co-existent intrauterine and ectopic tubal pregnancy. Printer KD. **J R Army Med Corps** 1987 Jun;133(2):85-6

Unusual presentation of a third tubal pregnancy. A case report. Sangal PR, et al. **J Reprod Med** 1987 Apr; 32(4):320-1

Sonographic demonstration of combined quadruplet gestation, with viable ectopic and concomitant intrauterine triplet pregnancies. Rowland DM, et al. **J Ultrasound Med** 1987 Feb;6(2):89-91

Comparative review of diagnostic accuracy in tubal pregnancy: a 14-year survey of 1040 cases. Kim DS, et al. **Obstet Gynecol** 1987 Oct;70(4):547-54

Diagnosis of combined intra and extra uterine gestations. James K. **Radiography** 1987 Jan-Feb;53(607):15-6

[Sonographic diagnosis of ectopic interstitial pregnancy. Case report] Bordt J, et al. **Ultraschall Med** 1986 Aug;7(4):176-8 (Eng. Abstr.) **(Ger)**

[Tubal pregnancy: lactate dehydrogenase as a differential diagnostic parameter] Grünberger W. **Zentralbl Gynakol** 1987;109(6):358-63 (Eng. Abstr.) **(Ger)**

[Laparoscopically undiagnosed interstitial pregnancy] Heilmann J. **Zentralbl Gynakol** 1986;108(18):1144-5 (Eng. Abstr.) **(Ger)**

[Ectopic pregnancy with a coexistent intrauterine contraceptive device] Szymański W, et al. **Ginekol Pol** 1986 Jul;57(7):485-7 (Eng. Abstr.) **(Pol)**

[Usefulness of laparoscopic examination in the diagnosis of ectopic pregnancy] Kokoszka W. **Przegl Lek** 1986; 43(7):517-20 (Eng. Abstr.) **(Pol)**

[Usefulness of ultrasonographic examination in the diagnosis of ectopic pregnancy] Suzin J, et al. **Wiad Lek** 1986 Jun 1;39(11):734-8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Nonsurgical therapy to preserve oviduct function in patients with tubal pregnancies. Ichinoe K, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):484-7

Medical treatment of residual ectopic pregnancy: RU 486 and methotrexate. Kenigsberg D, et al. **Fertil Steril** 1987 Apr;47(4):702-3

[Conservative therapy of intact ectopic pregnancy with

methotrexate] Presl J. **Cesk Gynekol** 1987 May;52(4):324–6 **(Cze)**

ETIOLOGY

Unique etiology of tubal ectopic pregnancy. Justesen P, et al. **Acta Obstet Gynecol Scand** 1987;66(2):185–6

Unruptured pregnancy in a heterotopic fallopian tube: evidence for transperitoneal sperm migration. Brown C, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):88–90

Pelvic infection and the pathogenesis of tubal ectopic pregnancy. Clark K, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):57–60

Tubal pregnancy in a 'low-risk' population: occasional association with follicular salpingitis. Campbell JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(5):287–91

Serologic evidence of prior chlamydial infection in patients with tubal ectopic pregnancy and contralateral tubal disease. Hartford SL, et al. **Fertil Steril** 1987 Jan; 47(1):118–21

Does prior infertility increase the risk of tubal pregnancy? Yang CP, et al. **Fertil Steril** 1987 Jul;48(1):62–6

Ectopic tubal pregnancy following in vitro fertilization and embryo transfer under ultrasonic control. Kovacs GT, et al. **J In Vitro Fert Embryo Transfer** 1987 Apr;4(2):124–6

Intramural pregnancy with fetal survival: case history and discussion of etiologic factors. Fait G, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):472–4

[Migration of an intrauterine device after salpingectomy. Translocation of an in situ intrauterine device to the abdominal cavity after tubal pregnancy and salpingectomy] Trolle C, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30; 107(12):1029, 1036 (Eng. Abstr.) **(Nor)**

OCCURRENCE

Tubal pregnancy—reappraisal of incidence. Gorodeski IG, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan; 24(1):57–62

Unexpectedly low ratio and falling incidence rate of ectopic pregnancy in Enugu, Nigeria, 1978–1981. Egwuatu VE, et al. **Int J Fertil** 1987 Mar–Apr;32(2):113–5, 119–21

PATHOLOGY

A 2000 gm tubal pregnancy. Miller ED. **Am J Obstet Gynecol** 1987 May;156(5):1152

The histopathology of tubal pregnancy. Parmley TH. **Clin Obstet Gynecol** 1987 Mar;30(1):119–28

Ectopic pregnancy in an undescended fallopian tube: an unusual presentation. Seoud MA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):455–7

[Chronic salpingitis and extra-uterine pregnancy. Results of the histologic study of 215 tubal pregnancies] Dubuisson JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(1):27–31 (Eng. Abstr.) **(Fre)**

[Histopathology of tubal pregnancy] Dietl J, et al. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):829–30 (Eng. Abstr.) **(Ger)**

[Bilateral tubal pregnancy. Clinical case] Laureti E, et al. **Minerva Ginecol** 1987 Jun;39(6):411–2 (Eng. Abstr.) **(Ita)**

[Bilateral tubal pregnancy] Kurtser MA, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):65–6 **(Rus)**

[Combined extrauterine and uterine pregnancies] Aronov BE. **Sov Med** 1986;(8):118–9 **(Rus)**

PHYSIOPATHOLOGY

Hysterosalpingographic evaluation of tubal patency after ectopic pregnancy. Mitchell DE, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):618–22

Tubal physiologic consideration in ectopic pregnancy. Pulkkinen MO, et al. **Clin Obstet Gynecol** 1987 Mar; 30(1):164–72 (21 ref.)

RADIOGRAPHY

Tubal pregnancy with patent tube diagnosed by hysterosalpingography. Schwartz Z, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):383–4

SURGERY

Conservative surgical management of isthmic ectopic pregnancies. Smith HO, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):604–10

Tubal abortion and infundibular ectopic pregnancy. Caspi E, et al. **Clin Obstet Gynecol** 1987 Mar;30(1):155–63

Ectopic pregnancy in the sole remaining tube and the management of the patient with multiple ectopic pregnancies. Oelsner G. **Clin Obstet Gynecol** 1987 Mar; 30(1):225–9

Laparoscopic salpingectomy for tubal pregnancy. Dubuisson JB, et al. **Fertil Steril** 1987 Feb;47(2):225–8

Management of unruptured ectopic pregnancy with laparoscopic carbon dioxide laser. Johns DA, et al. **Fertil Steril** 1986 Oct;46(4):703–5

Reproductive outcome after fimbrial evacuation of tubal pregnancy. Sherman D, et al. **Fertil Steril** 1987 Mar; 47(3):420–4

Conservative surgical treatment of tubal pregnancy: factors affecting future fertility. Badawy SZ, et al. **Int J Fertil** 1986 Jul–Aug;31(3):187–92

Autotransfusion in ruptured tubal pregnancy. Malik LR. **JPMA** 1987 Mar;37(3):78–9

Persistent ectopic pregnancy. DiMarchi JM, et al. **Obstet Gynecol** 1987 Oct;70(4):555–8

Laparoscopic treatment of tubal pregnancy. Reich H, et al. **Obstet Gynecol** 1987 Feb;69(2):275–9

Resumption of ovulation after ectopic pregnancy. Spirtos NM, et al. **Obstet Gynecol** 1987 Jun;69(6):933–5

Reconstructive tubal surgery by laparoscopy. Tulandi T. **Obstet Gynecol Surv** 1987 Apr;42(4):193–8 (58 ref.)

[Operative treatment of tubal pregnancy under laparoscopy] Wang SL. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Mar; 22(2):94–5, 126–7 (Eng. Abstr.) **(Chi)**

[Surgical indications in tubal pregnancies] Rondelet O, et al. **Rev Fr Gynecol Obstet** 1986 Nov;81(11):590–3 **(Fre)**

[An organ-saving operation following the rupture of an interstitial ectopic pregnancy. Report of 2 cases] Karbowski B, et al. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):844–5 (Eng. Abstr.) **(Ger)**

[Diagnostic and therapeutic interventions in extrauterine pregnancy] Neeser E, et al. **Geburtshilfe Frauenheilkd** 1987 Mar;47(3):149–53 (Eng. Abstr.) **(Ger)**

[Multiple pregnancy in a woman lacking one fallopian tube, resulting in the birth of a healthy infant] Bińkowska M, et al. **Pol Tyg Lek** 1986 Aug 4;41(31):983–4 (Eng. Abstr.) **(Pol)**

[Pregnancy and labor after reconstructive and plastic operations on the uterus and adnexa uteri] Samollov AR, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):19–21 (Eng. Abstr.) **(Rus)**

[Use of the muscle relaxant arduan in obstetric and gynecologic operations] Shilenkov VA, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):60–1 **(Rus)**

THERAPY

Conservative treatment of ectopic pregnancy by transvaginal aspiration under sonographic control and methotrexate injection [letter] Feichtinger W, et al. **Lancet** 1987 Feb 14; 1(8529):381–2

Reduction of ectopic pregnancy by injection under ultrasound control [letter] Robertson DE, et al. **Lancet** 1987 Apr 25;1(8539):974–5

PREGNANCY, UNWANTED see under **PREGNANCY**

PREGNANCY ZONE PROTEINS see under **PREGNANCY PROTEINS**

PREGNANEDIOL

ANALOGS & DERIVATIVES

Assessment of follicular function in women by measurement of urinary estrogen conjugates. Czekala NM, et al. **Fertil Steril** 1986 Oct;46(4):604–9

Urinary pregnanediol-3-glucuronide and estrone conjugates to creatinine ratios in early pregnancies complicated by vaginal bleeding. Davidson BJ. **Fertil Steril** 1986 Oct; 46(4):610–4

Rapid immunochemical assay of pregnanediol-3-glucuronide in urine and its clinical application. Hiroi M, et al. **Gynecol Obstet Invest** 1986;22(4):186–93

Monitoring the menstrual cycle of humans and lowland gorillas based on urinary profiles of bioactive follicle-stimulating hormone and steroid metabolites. Dahl KD, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):486–93

Postpartum return of ovarian activity in nonbreastfeeding women monitored by urinary assays. Gray RH, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):645–50

ANALYSIS

Mass spectrometry of prostaglandins, leukotrienes and steroids as their allyldimethylsilyl ether derivatives. Steffenrud S, et al. **Biomed Environ Mass Spectrom** 1986 Dec;13(12):657–61

PHARMACODYNAMICS

Locally applied progesterone metabolites alter neuronal responsiveness in the cerebellum. Smith SS, et al. **Brain Res Bull** 1987 Jun;18(6):739–47

URINE

Steroid spectrum in human urine as revealed by gas chromatography. VI. Pregnanediol excretion values and 3 beta-hydroxy-delta 5-steroid dehydrogenase activity of girls at different stage of development. Kecskés L, et al. **Acta Biochim Biophys Hung** 1986;21(1–2):67–80

Relationships between ovarian morphology, vaginal cytology, serum progesterone, and urinary immunoreactive pregnanediol during the menstrual cycle of the cynomolgus monkey. Mehta RR, et al. **Biol Reprod** 1986 Nov; 35(4):981–6

PREGNANEDIONES

METABOLISM

Binding of 5 alpha-dihydroprogesterone and other progestins to female rat anterior pituitary nuclear extracts. Iswari S, et al. **Steroids** 1986 Feb–Mar;47(2–3):189–203

PHARMACODYNAMICS

Modulation of GABAA receptor activity by alphaxalone. Cottrell GA, et al. **Br J Pharmacol** 1987 Mar;90(3):491–500

Pressure reversal of alphaxalone/alphadolone and methohexitone in tadpoles: evidence for different molecular sites for general anaesthesia. Halsey MJ, et al. **Br J Pharmacol** 1986 Oct;89(2):299–305

A steroid anesthetic prolongs inhibitory postsynaptic currents in cultured rat hippocampal neurons. Harrison NL, et al. **J Neurosci** 1987 Feb;7(2):604–9

Contrasting effects of 5 alpha- and 5 beta-pregnane-3,20-dione on the motor activity of ovariectomized rats. Dhar V, et al. **J Steroid Biochem** 1987 May;26(5):577–80

Modulation of the GABAA receptor by progesterone metabolites. Callachan H, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):359–69

PREGNANES

Pregnanolone emulsion. A new steroid preparation for intravenous anaesthesia: an experimental study in mice. Høgskilde S, et al. **Anaesthesia** 1987 Jun;42(6):586–90

Progesterone metabolism in T47Dco human breast cancer cells—I. 5 alpha-pregnan-3 beta,6 alpha-diol-20-one is the secreted product. Fennessey PV, et al. **J Steroid Biochem** 1986 Nov;25(5A):641–8

The anaesthetic potency of 3 alpha-hydroxy-5 alpha-pregnan-20-one and 3 alpha-hydroxy-5 beta-pregnan-20-one determined with an intravenous EEG-threshold method in male rats. Norberg L, et al. **Pharmacol Toxicol** 1987 Jul;61(1):42–7

ANALYSIS

Diethylhydrogensilyl cyclic diethylsilylene derivatives in gas chromatography-mass spectrometry of hydroxylated steroids. II. Pregnanes with a hydroxylated 17 beta-side-chain. Ishibashi M, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3298–305

METABOLISM

[Microbial transformation of 16 alpha-methyl-3 beta, 17 alpha-dihydroxy-5 alpha-pregnane-20-one-3 acetate] Wang JY, et al. **Yao Hsueh Hsueh Pao** 1987 Feb; 22(2):141–4 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Locally applied progesterone metabolites alter neuronal responsiveness in the cerebellum. Smith SS, et al. **Brain Res Bull** 1987 Jun;18(6):739–47

Modulation of the GABAA receptor by progesterone metabolites. Callachan H, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):359–69

SECRETION

Effects of multiple injections of LH on the secretion of pregnane compounds from polycystic ovaries of androgen-sterilized rats. Sawada T. **J Endocrinol** 1986 Sep; 110(3):507–10

Ovarian secretion of pregnane compounds at first ovulation in rats treated with pregnant mare's serum gonadotropin. Sawada T. **Steroids** 1986 Apr–May;47(4–5):327–35

URINE

Determination of ovulation and pregnancy in the marmoset (Callithrix jacchus) by monitoring of urinary hydroxypregnanolone excretion. Heger W, et al. **J Med Primatol** 1987;16(3):151–64

PREGNANOLONE see under **PREGNANES**

PREGNANT MARE'S SERUM see **GONADOTROPINS, EQUINE**

PREGNATRIENES

METABOLISM

The binding of fluorescent 4,6,8(14)-triene-3-one steroids to cyclodextrins as a model for steroid-protein interactions. Kempfle MA, et al. **Biochim Biophys Acta** 1987 Jan 20; 923(1):83–7

Use of [3H]cortivazol to characterize glucocorticoid receptors in a dexamethasone-resistant human leukemic cell line. Schlechte JA, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):441–6

PHARMACODYNAMICS

Novel 21-amino steroids as potent inhibitors of iron-dependent lipid peroxidation. Braughler JM, et al. **J Biol Chem** 1987 Aug 5;262(22):10438–40

The effect of nivazol and cortivazol, novel synthetic steroids containing a phenylpyrazolo A-ring substitution, on blood pressure in sheep. Spence CD, et al. **J Steroid Biochem** 1986 Sep;25(3):411–5

PREGNENEDIONES

ADMINISTRATION & DOSAGE

Effect of inhaled budesonide on severe steroid-dependent asthma. Tukiainen P, et al. **Eur J Respir Dis** 1987 Apr; 70(4):239–44

A comparison of the efficacy of high dose and normal dose budesonide in prednisone dependent patients with chronic obstructive lung disease (COLD). Overbeek SE, et al. **Eur J Respir Dis [Suppl]** 1986;146:581–4

A comparative study of amcinonide and halcinonide 0.1% ointments in the treatment of psoriasis. Millikan LE, et al. **Int J Dermatol** 1986 Oct;25(8):542

Efficiency of inhaled versus oral steroid treatment of chronic asthma. Toogood JH. **New Engl Reg Allergy Proc** 1987 Mar–Apr;8(2):98–103

Deposition pattern from a nasal pump spray. Newman SP, et al. **Rhinology** 1987 Jun;25(2):77–82

Comparison of two high dose corticosteroid aerosol treatments, beclomethasone dipropionate (1500 micrograms/day) and budesonide (1600 micrograms/day), for chronic asthma. Ebden P, et al. **Thorax** 1986 Nov; 41(11):869–74

[Beclomethasone or budesonide?] Backer NV, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2169–70 **(Dan)**

ADVERSE EFFECTS

Deflazacort vs prednisone. Effect on blood glucose control in insulin-treated diabetics. Bruno A, et al. **Arch Intern Med** 1987 Apr;147(4):679–80

Effects of long-term maintenance therapy with a new glucocorticoid, deflazacort, on mineral metabolism and statural growth. Balsan S, et al. **Calcif Tissue Int** 1987 Jun; 40(6):303–9

Severe bronchoconstriction after inhalation of beclomethasone and budesonide. Poh SC, et al. **Singapore Med J** 1986 Jun;27(3):247–9

BLOOD

Pharmacokinetics of budesonide in children with asthma. Pedersen S, et al. **Eur J Clin Pharmacol** 1987;31(5):579–82

METABOLISM

Tissue distribution and fate of budesonide in the mouse. Andersson P, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):392–402

Metabolic acetal splitting of budesonide. A novel inactivation pathway for topical glucocorticoids. Edsbäcker S, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):412–7

Liver metabolism of budesonide in rat, mouse, and man. Comparative aspects. Edsbäcker S, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):403–11

PHARMACODYNAMICS

Terbutaline and budesonide as inhibitors of postischaemic permeability increase. Persson NH, et al. **Acta Physiol Scand** 1987 Apr;129(4):517–24

The glucocorticosteroid, budesonide, partially blocks histamine release from human lung tissue in vitro. Bergstrand H, et al. **Allergy** 1986 Jul;41(5):319–26

A clinical trial using a regimen which includes a norgestomet implant and norgestomet plus oestradiol valerate injection as a treatment for anoestrus in dairy cows. Galloway DB, et al. **Aust Vet J** 1987 Jun;64(6):187–9

Comparison of the subacute effects of a new glucocorticoid, deflazacort, and prednisone on the hypothalamic–pituitary–adrenal axis of normal subjects. Wajchenberg BL, et al. **Braz J Med Biol Res** 1986; 19(1):39–47

Effect of an inhaled glucocorticosteroid (budesonide) on post-antigen induced increases in airway responsiveness. Abraham WM, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):387–92

Regulation of the glucocorticoid receptor by glucocorticoids in human mononuclear leukocytes. Brentani MM, et al. **Horm Res** 1986;24(1):9–17

Use of steroidal antiinflammatory drug provides further evidence for a potential role of PAF-acether in bronchial anaphylaxis. Chignard M, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):184–5

Effects of norgestomet on follicular development in postpartum beef cows. Garcia-Winder M, et al. **J Anim Sci** 1987 Apr;64(4):1099–109

Progestin and prostaglandin for estrous synchronization in beef heifers. Whittier JC, et al. **J Anim Sci** 1986 Sep; 63(3):700–4

Reproductive performance of female goats given progestagen associated with PMSG and/or HMG in deep anestrus. Cairoli F, et al. **Reprod Nutr Dev** 1987;27(1A):13–9

Reproductive efficiency and feasibility of oestrus control prior to artificial insemination in crossbred bovine females in India. Bhosrekar MR, et al. **Rev Elev Med Vet Pays Trop** 1986;39(1):129–37

[Preliminary trials on estrus synchronization in Baoulé cows] Chicoteau P, et al. **Rev Elev Med Vet Pays Trop** 1986; 39(1):161–3 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Evaluation of sodium cromoglycate and medrysone in the management of atopic keratoconjunctivitis: a double masked clinical study. Vajpayee RB, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):251–3

Efficacy of medrysone as anti-inflammatory agent. Rastogi RK, et al. **Indian J Ophthalmol** 1985 Sep–Oct;33(5):295–7

Effects of a new heterocyclic glucocorticoid, deflazacort (DFC), on the functions of lymphocytes from patients with rheumatoid arthritis (RA). Scudeletti M, et al. **Int J Immunopharmacol** 1987;9(2):133–9

A comparison of budesonide and beclomethasone dipropionate nasal aerosols in ragweed-induced rhinitis. Vanzieleghem MA, et al. **J Allergy Clin Immunol** 1987 Jun; 79(6):887–92

TOXICITY

Toxicity study of the new glucocorticosteroid budesonide in rats. Ekman L, et al. **Arzneimittelforschung** 1987 Jan; 37(1):37–42

Teratogenicity study of the new glucocorticosteroid budesonide in rabbits. Kihlström I, et al. **Arzneimittelforschung** 1987 Jan;37(1):43–6

PREGNENES

BLOOD

[Steroid profiles in patients with amenorrhea during induction of ovulation with HMG] Hidaka T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr;39(4):663–9 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis and characteristics of allylic 4-pregnene-3,20-diols found in gonadal and breast tissues. Wiebe JP, et al. **Steroids** 1986 Apr–May;47(4–5):249–59

METABOLISM

3 beta-Hydroxysteroid dehydrogenase in human placental microsomes and mitochondria: co-solubilization of androstene and pregnene activities. Asibey-Berko E, et al. **Steroids** 1986 Jun;47(6):351–63

[Microbial transformation of 16 alpha-methyl-5 alpha-delta 9(11)- pregnene-3 beta, 17 alpha, 21-triol-20-one-3 beta, 21-diacetate] Zhang LQ, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):674–9 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Germinal vesicle breakdown in oocytes of catfish, Mystus vittatus (Bloch): relative in vitro effectiveness of estradiol-17 beta, androgens, corticosteroids, progesterone, and other pregnene derivatives. Upadhyaya N, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):70–6

PREGNENOLONE

BIOSYNTHESIS

Steroidogenesis in adrenal tumor cells: influence of cell shape. Betz G, et al. **Endocrinology** 1987 Jun;120(6):2547–54

Constitutive steroidogenesis in the R2C Leydig tumor cell line is maintained by the adenosine 3',5'-cyclic monophosphate-independent production of a cycloheximide-sensitive factor that enhances mitochondrial pregnenolone biosynthesis. Freeman DA. **Endocrinology** 1987 Jan;120(1):124–32

Characterization and regulation of somatomedin-C/insulin-like growth factor I (Sm-C/IGF-I) receptors on cultured pig Leydig cells. Effects of Sm-C/IGF-I on luteotropin receptors and steroidogenesis. Perrard-Sapori MH, et al. **Eur J Biochem** 1987 May 15;165(1):209–14

BLOOD

Usefulness of plasma pregnenolone sulfate in testing pituitary-adrenal function in children. de Peretti E, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:259–63

Pattern of plasma levels of cortisol, dehydroepiandrosterone and pregnenolone sulphate in normal subjects and in patients with homozygous familial hypercholesterolaemia during ACTH infusion. Boizel R, et al. **Clin Endocrinol (Oxf)** 1986 Oct;25(4):363–71

Peripheral plasma concentrations of pregnenolone sulphate, pregnenolone, progesterone and 20 alpha-hydroxy-4-pregnen-3-one in ewes throughout the oestrous cycle. McKay SA, et al. **J Endocrinol** 1987 May; 113(2):231–7

ISOLATION & PURIFICATION

Pregnenolone production by adrenal mitochondria: a new high-performance liquid chromatographic analytical method for cholesterol side-chain cleavage. Tribble DL, et al. **J Chromatogr** 1987 Mar 6;414(2):411–6

METABOLISM

Stereospecific removal of the 16 alpha-hydrogen in the biosynthesis of 5,16-androstadien-3 beta-ol from pregnenolone. Kohara H, et al. **Biochim Biophys Acta** 1987 Sep 4;921(1):90–5

Early time sequence in pregnenolone metabolism to testosterone in homogenates of human and rat testis. Weusten JJ, et al. **Endocrinology** 1987 May;120(5):1909–13

Protein synthesis and steroidogenesis in amphibian (Rana pipiens) ovarian follicles: studies on the conversion of pregnenolone to progesterone. Petrino TR, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):441–50

Effects of steroids on progesterone output by explants of human chorion. Powell WA, et al. **Gynecol Obstet Invest** 1986;22(2):64–72

Chronic treatment with corticotropin increases the capacity of rabbit adrenocortical cells to convert pregnenolone into androgens. Kolanowski J, et al. **J Steroid Biochem** 1987 Feb;26(2):291–6

[Metabolism of pregnenolone sulfate in feto-placental unit] Komatsuzaki K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1095–102 (Eng. Abstr.) **(Jpn)**

[Separation and characterization by high pressure liquid chromatography of delta(4)-3-ketosteroids synthetized from 3H-pregnenolone by an ectopic adrenal tumor treated with ketoconazole] Ravanal M, et al. **Rev Med Chil** 1987 Feb;115(2):129–34 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Pregnenolone-sulfate: an endogenous antagonist of the gamma-aminobutyric acid receptor complex in brain? Majewska MD, et al. **Brain Res** 1987 Feb 24; 404(1-2):355–60

Comparative effectiveness of different anabolic and sex steroids on the development of Anopheles stephensi. Sita V, et al. **Indian J Malariol** 1986 Jun;23(1):61–3

PREGNENOLONE CARBONITRILE

PHARMACODYNAMICS

Digitoxin metabolism by liver microsomal cytochrome P-450 and UDP-glucuronosyltransferase and its role in the protection of rats from digitoxin toxicity by pregnenolone-16 alpha-carbonitrile. Arlotto MP, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):188–97

Induction of the hepatic mixed-function oxidase system by synthetic glucocorticoids. Transcriptional and post-transcriptional regulation. Simmons DL, et al. **J Biol Chem** 1987 Jan 5;262(1):326–32

Effects of pregnenolone-16 alpha-carbonitrile on drug metabolizing enzymes in hypophysectomized female rats. Williams MT, et al. **Life Sci** 1987 Aug 31;41(9):1141–8

Pregnenolone 16 alpha-carbonitrile-inducible P-450 gene family: gene conversion and differential regulation. Gonzalez FJ, et al. **Mol Cell Biol** 1986 Aug;6(8):2969–76

Effect of pregnenolone carbonitrile, promethazine and antipyrine pretreatment on antipyrine metabolite formation in rats. Shaw PN, et al. **Xenobiotica** 1986 Dec; 16(12):1109–16

PREHOSPITAL EMERGENCY CARE see **EMERGENCY MEDICAL SERVICES**

PREIMPLANTATION PHASE

Uterine histoarchitecture during pre and post-implantation periods of rats treated with aqueous extract of Moringa oleifera Lam. Prakash AO, et al. **Acta Eur Fertil** 1987 Mar–Apr;18(2):129–35

Patterns of organelle distribution in mouse embryos during preimplantation development. Batten BE, et al. **Am J Anat** 1987 Feb;178(2):204–13

Comparison of mouse and human keratin 18: a component of intermediate filaments expressed prior to implantation. Oshima RG, et al. **Differentiation** 1986;33(1):61–8

Prenatal diagnosis in the human pre-implantation period. Meeting held at the Ciba Foundation on the 13th November 1986. Whittingham DG, et al. **Hum Reprod** 1987 Apr;2(3):267–70

Preimplantation development following in vitro fertilization of mouse oocytes: effects of timing of superovulation and preincubation in vitro. Edgar DH, et al. **J In Vitro Fert Embryo Transfer** 1987 Apr;4(2):111–5

Development retardation in cultured preimplantation rabbit embryos. Fischer B. **J Reprod Fertil** 1987 Jan;79(1):115–23

Whole protein uptake and metabolism by mouse blastocysts. Pemble LB, et al. **J Reprod Fertil** 1986 Sep;78(1):149–57

Sexing the human pre-embryo by DNA-DNA in-situ hybridisation. West JD, et al. **Lancet** 1987 Jun 13; 1(8546):1345–7

DRUG EFFECTS

Inhibition of delta 5-3 beta hydroxysteroid dehydrogenase activity in pre-implantation mouse embryos and their implantation by sheep ovarian follicular fluid peptide. Joshi NJ, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):183–8

Disruption of embryonic and fetal development due to preimplantation chemical insults: a critical review. Iannaccone PM, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):476–84 (49 ref.)

Potentiating effect of caffeine on embryotoxicity of cyclophosphamide treatment in vivo during the preimplantation period. Vogel R, et al. **Teratogenesis Carcinog Mutagen** 1987;7(2):169–74

PREJUDICE

Stigmatization of AIDS patients by physicians. Kelly JA, et al. **Am J Public Health** 1987 Jul;77(7):789–91
Epilepsy and prejudice. Taylor DC. **Arch Dis Child** 1987 Feb;62(2):209–11
Relative deprivation theory and responses to discrimination in a gay male and lesbian sample. Birt CM, et al. **Br J Soc Psychol** 1987 Jun;26 (Pt 2):139–45
Prejudice against doctors and students from ethnic minorities [letter] **Br Med J** 1987 Feb 28;294(6571):575–6
Prejudice against doctors and students from ethnic minorities [editorial] Smith R. **Br Med J** 1987 Feb 7;294(6568):328–9
Prejudice against doctors and students from ethnic minorities [letter] **Br Med J [Clin Res]** 1987 Mar 28;294(6575):838
Prejudice against women doctors [letter] Lefford F. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):838
Good-bye to Jim Crow: the desegregation of Southern hospitals, 1945–70. Beardsley EH. **Bull Hist Med** 1986 Fall; 60(3):367–86
Perceived discrimination against cured cancer patients in the work force. Ehrmann-Feldmann D, et al. **Can Med Assoc J** 1987 Apr 1;136(7):719–23
The development of children's prejudice against the aged. Isaacs LW, et al. **Int J Aging Hum Dev** 1986;23(3):175–94
Epilepsy and prejudice: the dimensionality of stereotypes towards epileptics. Räder K, et al. **Int J Rehabil Res** 1986; 9(4):325–34
Racism or neuroticism: an entangled dilemma for the black middle class patient. Thompson C. **J Am Acad Psychoanal** 1987 Jul;15(3):395–405
Constitutional protection against discrimination of homosexuals. Waaldijk K. **J Homosex** 1986 Winter–1987 Spring;13(2–3):57–68
Heterosexual bias in psychological research on lesbianism and male homosexuality (1979–1983), utilizing the bibliographic and taxonomic system of Morin (1977). Watters AT. **J Homosex** 1986 Fall;13(1):35–58
Perceptions of racism by black medical students attending white medical schools. Bullock SC, et al. **J Natl Med Assoc** 1987 Jun;79(6):601–8
Issues and attitudes concerning combat-experienced black Vietnam veterans. Oxley LL. **J Natl Med Assoc** 1987 Jan; 79(1):25–32
Influence of labeling on ratings of infant behavior: a prematurity prejudice. Miller MD, et al. **J Pediatr Psychol** 1986 Dec;11(4):561–72
Downward comparison, prejudice, and evaluations of others: effects of self-esteem and threat. Crocker J, et al. **J Pers Soc Psychol** 1987 May;52(5):907–16
A sexist diagnosis [letter] Abraham S, et al. **Lancet** 1987 Apr 11;1(8537):858
A sexist diagnosis? Severino SK, et al. **Lancet** 1986 Dec 13; 2(8520):1386
Racial and sexual discrimination in the selection of students for London medical schools [letter] Ellis J. **Med Educ** 1986 Nov;20(6):539–40
Prejudice not condoms [editorial] Smith R. **Med J Aust** 1987 Sep 21;147(6):288–9
Job performance testing: an alternative to age discrimination. Davis PO, et al. **Med Sci Sports Exerc** 1987 Apr; 19(2):179–85
Racial, sexual and age inequalities in chronic dialysis. Kjellstrand CM, et al. **Nephron** 1987;45(4):257–63
'The stumbling disease': a case study of stigma among Azorean-Portuguese. Boutté MI. **Soc Sci Med** 1987; 24(3):209–17
Female cancer patients and caregivers: experiences in the workplace. Feldman FL. **Women Health** 1986 Fall–Winter; 11(3–4):137–53
[Overt and covert age discrimination (editorial)] Munnichs JM. **Tijdschr Gerontol Geriatr** 1987 Jun;18(3):171 **(Dut)**
[Psychoanalysis and anti-Semitism] Claussen D. **Psyche (Stuttg)** 1987 Jan;41(1):1–21 (Eng. Abstr.) **(Ger)**

PREKALLIKREIN see under **KALLIKREIN**

PRELEUKEMIA

Preleukemic cases in the Department of Pediatrics, School of Medicine, University of North Sumatera/Dr. Pirngadi Hospital Medan. Siregar AA, et al. **Paediatr Indones** 1986 Mar–Apr;26(3–4):62–8
[Prolonged preleukemic conditions] Colović M, et al. **Srp Arh Celok Lek** 1986 Sep;114(9):875–83 (Eng. Abstr.) **(Sec)**

BLOOD

Abnormal peripheral lymphocytes in tropical spastic paraparesis [letter] Morgan OS, et al. **Lancet** 1987 Aug 15; 2(8555):403–4

CHEMICALLY INDUCED

Risk of therapy-related leukaemia and preleukaemia after Hodgkin's disease. Relation to age, cumulative dose of alkylating agents, and time from chemotherapy. Pedersen-Bjergaard J, et al. **Lancet** 1987 Jul 11; 2(8550):83–8

COMPLICATIONS

Polyarteritis nodosa and monocytic leukaemia. Leung AC, et al. **Postgrad Med J** 1986 Jan;62(723):35–7
[Acute leukemia in Fanconi's anemia. Report of a patient and review of the literature] van Gils JE, et al. **Tijdschr Kindergeneeskd** 1987 Apr;55(2):68–72 (Eng. Abstr.) **(Dut)**
[Sweet's syndrome and hemopoietic dysplasia] Lomuto M, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):131–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Progressive preleukemia presenting amegakaryocytic thrombocytopenic purpura: association of the 5q- syndrome with a decreased megakaryocytic colony formation and a defective production of Meg-CSF. Geissler D, et al. **Leuk Res** 1987;11(8):731–7
[Panmyelopathy and myeloproliferative syndrome] Jorke D, et al. **Z Gesamte Inn Med** 1986 Nov 1;41(21):595–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Low dose ara-C administered by continuous subcutaneous infusion: a pharmacologic evaluation. Spriggs DR, et al. **Cancer Drug Deliv** 1986 Summer;3(3):211–6
Human trials of new cancer therapy begin [news] [published erratum appears in Science 1987 Jul 3;237(4870):11] Marx JL. **Science** 1987 May 15;236(4803):778–9

ENZYMOLOGY

Lysosomal enzyme abnormalities in preleukaemic Sweet's disease: case report. Judge M, et al. **J Clin Pathol** 1987 Jan;40(1):67–9

ETIOLOGY

Human preleukaemia: do we have a model? Jacobs A. **Br J Cancer** 1987 Jan;55(1):1–5 (78 ref.)
Preleukemia following large dose radioiodide therapy for metastatic thyroid carcinoma. Yoosufani Z, et al. **J Nucl Med** 1987 Aug;28(8):1348–50
Characterization of a preleukemic state induced by Moloney murine leukemia virus: evidence for two infection events during leukemogenesis. Davis BR, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4875–9

FAMILIAL & GENETIC

Cytogenetic characteristics of therapy-related acute nonlymphocytic leukaemia, preleukaemia and acute myeloproliferative syndrome: correlation with clinical data for 61 consecutive cases. Pedersen-Bjergaard J, et al. **Br J Haematol** 1987 Jun;66(2):199–207
Chromosome studies in preleukemic states. V. Prognostic significance of single versus multiple abnormalities. Nowell PC, et al. **Cancer** 1986 Dec 15;58(12):2571–5
Leukemic transformation in patients with the 5q- alteration: analysis of the behavior of the 5q- clones in preleukemic to leukemic phases. Benitez J, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):199–207
t(3;5)(q21;q31) in a myelodysplastic syndrome. Sharp RA, et al. **Leuk Res** 1987;11(7):629–33
S1 nuclease analysis of alpha-globin gene expression in preleukemic patients with acquired hemoglobin H disease after transfer to mouse erythroleukemia cells. Helder J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2387–90
[Transforming gene in the preleukemic state] Takaku F, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2170–5 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Natural killer cell suppression of Friend virus-induced preleukemic hemopoietic stem cells. Eckner RJ, et al. **J Virol** 1987 Aug;61(8):2631–8

MICROBIOLOGY

Class II polytropic murine leukemia viruses (MuLVs) of AKR/J mice: possible role in the generation of class I oncogenic polytropic MuLVs. Evans LH, et al. **J Virol** 1987 Jun;61(6):1882–92

PATHOLOGY

Disappearance of a sideroblastic cell clone during the chronic phase of a preleukaemic myelodysplastic syndrome. Schmalzl F, et al. **Br J Haematol** 1986 Oct;64(2):410–3
Pulmonary involvement in Sweet's syndrome (acute febrile neutrophilic dermatosis). Preleukemic and leukemic phases of acute myelogenous leukemia. Lazarus AA, et al. **Chest** 1986 Dec;90(6):922–4
Cell kinetics in leukemia and preleukemia. Dörmer P, et al. **Hamatol Bluttransfus** 1987;30:3–9
Preleukemia in Fanconi's anemia: hematopoietic cell multinuclearity, membrane duplication, and dysgranulogenesis. Barton JC, et al. **J Submicrosc Cytol** 1987 Apr;19(2):355–64
Myelodysplastic syndromes (preleukemia). Koeffler HP. **Semin Hematol** 1986 Oct;23(4):284–99 (95 ref.)
[Interaction of radiation-induced preleukemia cells and bone marrow grafts in C57BL/Ka mice] Humblet C, et al. **C R Soc Biol (Paris)** 1987;181(1):82–7 (Eng. Abstr.) **(Fre)**
[Relations between the capacity of thymic repeopling and the formation of lymphoma obtained by radiation-induced preleukemic cells in C57BL/Ka mice] Rongy AM, et al. **C R Soc Biol (Paris)** 1987;181(1):88–93 (Eng. Abstr.) **(Fre)**
[Myelodysplasia—a newly defined preliminary stage of acute leukemia] Hunstein W, et al. **Verh Dtsch Ges Inn Med** 1986; 92:85–9 **(Ger)**

PHYSIOPATHOLOGY

Thymic epithelium controls thymocyte expression of preleukemic phenotype and leukemogenic retroviruses. Tempelis LD. **J Immunol** 1987 May 15;138(10):3555–65
Effects of marrow grafting on preleukemia cells and thymic nurse cells in C57BL/Ka mice after a leukemogenic split-dose irradiation. Defresne MP, et al. **JNCI** 1986 Nov; 77(5):1079–85

THERAPY

Treatment of preleukemic syndromes with marrow transplantation. Appelbaum FR, et al. **Blood** 1987 Jan; 69(1):92–6
Preleukaemia. Koeffler HP. **Clin Haematol** 1986 Aug; 15(3):829–50 (80 ref.)

VETERINARY

Hematologic abnormalities similar to the preleukemic state of adult T-cell leukemia in African green monkeys naturally infected with simian T-cell leukemia virus. Noda Y, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1227–34

PREMARIN see under **ESTROGENIC SUBSTANCES, CONJUGATED**

PREMARITAL EXAMINATIONS

Rubella antibodies in female applicants for premarital health certificates in Mar del Plata, Argentina. Pereira F, et al. **Bull Pan Am Health Organ** 1986;20(2):179–85
Compulsory premarital screening for the human immunodeficiency virus. Technical and public health considerations. Cleary PD, et al. **JAMA** 1987 Oct 2; 258(13):1757–62

TRENDS

Update: premarital testing. Alberding EJ. **Mich Med** 1987 Apr;86(4):230

PREMATURE BEAT see **EXTRASYSTOLE**

PREMEDICATION

see related
PREANESTHETIC MEDICATION

Gastric contents and pH after oral premedication. Brocks K, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):448–9
Pre-operative treatment of 5 acromegalics with a somatostatin analogue: endocrine and clinical observations. Spinas GA, et al. **Acta Endocrinol (Copenh)** 1987 Feb; 114(2):249–56
Antibiotic prophylaxis in neurosurgery. Study comparing two groups of patients with and without treatment. Reale F, et al. **Acta Neurochir (Wien)** 1987;86(3–4):75–8
Ultraclean air and antibiotics for prevention of postoperative infection. A multicenter study of 8,052 joint replacement operations. Lidwell OM, et al. **Acta Orthop Scand** 1987 Feb;58(1):4–13
Changing concepts in obstetric antibiotic prophylaxis. Galask RP. **Am J Obstet Gynecol** 1987 Aug;157(2):491–7 (31 ref.)
Single-dose versus multiple-dose piperacillin prophylaxis in primary cesarean operation. Gall SA, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):502–6
Single-dose cephalosporin for prevention of major pelvic infection after vaginal hysterectomy: cefazolin versus cefoxitin versus cefotaxime. Hemsell DL, et al. **Am J Obstet Gynecol** 1987 May;156(5):1201–5
Single-dose prophylaxis for vaginal and abdominal hysterectomy. Hemsell DL, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):498–501 (30 ref.)
Oral neomycin and erythromycin compared with single-dose systemic metronidazole and ceftriaxone prophylaxis in elective colorectal surgery [letter] Condon RE, et al. **Am J Surg** 1986 Nov;152(5):564–6
Single dose systemic antibiotic prophylaxis of surgical wound infections. DiPiro JT, et al. **Am J Surg** 1986 Nov; 152(5):552–9
Antibiotic prophylaxis of 1,036 patients undergoing elective surgical procedures. A prospective, randomized comparative trial of cefazolin, cefoxitin, and cefotaxime in a prepaid medical practice. Jones RN, et al. **Am J Surg** 1987 Apr;153(4):341–6
Single dose prophylaxis in elective cholecystectomy. A prospective, double-blind randomized study. Kaufman Z, et al. **Am J Surg** 1986 Nov;152(5):513–6
A randomized, double-blind trial of single dose piperacillin versus multidose cefoxitin in alimentary tract operations. Polk HC Jr, et al. **Am J Surg** 1986 Nov;152(5):517–21
Myalgia and biochemical changes following intermittent suxamethonium administration. Effects of alcuronium, lignocaine, midazolam and suxamethonium pretreatments on serum myoglobin, creatinine kinase and myalgia. Laurence AS. **Anaesthesia** 1987 May;42(5):503–10
Combination treatment with ranitidine and sodium

bicarbonate prior to obstetric anaesthesia. Mathews HM, et al. **Anaesthesia** 1986 Dec;41(12):1202–6

Nausea and vomiting after prostaglandins in day case termination of pregnancy. The efficacy of low dose droperidol. Millar JM, et al. **Anaesthesia** 1987 Jun; 42(6):613–8

Somatostatin, anaesthesia, and the carcinoid syndrome. Peri-operative administration of a somatostatin analogue to suppress carcinoid tumour activity. Roy RC, et al. **Anaesthesia** 1987 Jun;42(6):627–32

Verapamil pretreatment before aortic cross-clamping in patients undergoing coronary artery bypass graft. Baraka A, et al. **Anesth Analg** 1987 Jun;66(6):560–4

Hazards of amnesia after midazolam in ambulatory surgical patients [letter] Philip BK. **Anesth Analg** 1987 Jan; 66(1):97–8

Prophylactic intravenous cimetidine reduces the risk of acid aspiration in morbidly obese patients. Lam AM, et al. **Anesthesiology** 1986 Dec;65(6):684–7

1-Desamino-8-D-arginine vasopressin (desmopressin) decreases operative blood loss in patients having Harrington rod spinal fusion surgery. A randomized, double-blinded, controlled trial. Kobrinsky NL, et al. **Ann Intern Med** 1987 Oct;107(4):446–50

Extracorporeal shock-wave lithotripsy and prophylaxis for endocarditis [letter] Matlow AG, et al. **Ann Intern Med** 1986 Dec;105(6):966–7

Single-dose chemoprophylaxis in elective colorectal surgery. A comparison between doxycycline plus metronidazole and doxycycline. Bergman L, et al. **Ann Surg** 1987 Jan; 205(1):77–81

Effect of preoperative antiplatelet drugs on vascular prostacyclin synthesis. Karwande SV, et al. **Ann Thorac Surg** 1987 Mar;43(3):318–22

On antibiotic prophylaxis in cardiac surgery: a risk factor for wound infection. Lilienfeld DE, et al. **Ann Thorac Surg** 1986 Dec;42(6):670–4

Prophylactic antibiotic treatment prevents infection after cardiopulmonary bypass: a study in dogs. van Oeveren W, et al. **Ann Thorac Surg** 1987 May;43(5):544–9

Concentrations of ticarcillin and clavulanic acid in human bone after prophylactic administration of 5.2 g of timentin. Adam D, et al. **Antimicrob Agents Chemother** 1987 Jun; 31(6):935–9

Antibiotic prophylaxis and dermatologic surgery [letter] Lycka B. **Arch Dermatol** 1987 Apr;123(4):424–5

Long-term study of the peroperative infection rate in 1007 total hip replacements using prophylactic cefamandole and other precautions. Mulier JC, et al. **Arch Orthop Trauma Surg** 1987;106(3):135–9

Single-dose antibiotic prophylaxis for biliary surgery. Cefazolin vs moxalactam. Kellum JM, et al. **Arch Surg** 1987 Aug;122(8):918–22

Biliary bacteria, antibiotic use, and wound infection in surgery of the gallbladder and common bile duct. Lewis RT, et al. **Arch Surg** 1987 Jan;122(1):44–7

Use of chlorhexidine gluconate for pre-operative disinfection of apicectomy sites. Martin MV, et al. **Br Dent J** 1987 Jun 20;162(12):459–61

Ventilation, ventilatory carbon dioxide and hormonal response during halothane anaesthesia and surgery in children after midazolam premedication. Charlton AJ, et al. **Br J Anaesth** 1986 Nov;58(11):1234–41

Methohexitone anaesthesia for microlaryngoscopy: circulatory modulation with metoprolol and dihydralazine. Magnusson H, et al. **Br J Anaesth** 1986 Sep;58(9):976–82

Effect of pre-treatment with lysine acetyl salicylate on suxamethonium-induced myalgia. Naguib M, et al. **Br J Anaesth** 1987 May;59(5):606–10

Sedation for gastroscopy: a comparative study of midazolam and Diazemuls in patients with and without cirrhosis. Hamdy NA, et al. **Br J Clin Pharmacol** 1986 Dec; 22(6):643–7

Random control trial of a short course of aspirin and dipyridamole (Persantin) for femorodistal grafts. Clyne CA, et al. **Br J Surg** 1987 Apr;74(4):246–8

Effect of topical and systemic antibiotics on bacterial growth kinesis in generalized peritonitis in man. Krukowski ZH, et al. **Br J Surg** 1987 Apr;74(4):303–6

Single dose antibiotic prophylaxis in high risk patients undergoing transurethral prostatectomy. McEntee GP, et al. **Br J Surg** 1987 Mar;74(3):192–4

Pre-operative bile salts [letter] Pain JA, et al. **Br J Surg** 1986 Nov;73(11):939

Antibiotic prophylaxis for prostatic surgery. Single-dose cephradine compared with single-dose cefotaxime. Bentsi IK, et al. **Br J Urol** 1987 Apr;59(4):314–8

Ticarcillin/clavulanic acid (Timentin) compared to metronidazole/netilmicin in preventing postoperative infection after elective colorectal surgery. Blair JE, et al. **Can J Surg** 1987 Mar;30(2):120–2

Prophylactic use of antibiotics in combined abdominovaginal Marlex sling procedures for correction of recurrent urinary stress incontinence. Drutz HP, et al. **Can J Surg** 1986 Sep; 29(5):377–9

The effect of cephalothin prophylaxis on postoperative ventriculoperitoneal shunt infections. Rieder MJ, et al. **Can Med Assoc J** 1987 May 1;136(9):935–8

Application of cold antibacterial prepping solution to the skin [letter] Nyhan AL, et al. **Cardiovasc Intervent Radiol** 1987;10(2):115

Controversies in antimicrobial prophylaxis. Hirschmann JV. **Chemioterapia** 1987 Jun;6(3):202–7 (55 ref.)

Chemoprophylaxis in clean-contaminated surgery. Mozzillo N, et al. **Chemioterapia** 1987 Jun;6(3):215–20 (46 ref.)

Principles of antimicrobial chemoprophylaxis in surgery. Periti P, et al. **Chemioterapia** 1987 Jun;6(3):196–201 (27 ref.)

Perioperative antibiotic prophylaxis in bile-duct interventions: results of two prospective randomized studies. Harnoss BM, et al. **Chemotherapy** 1987; 33(4):297–301

Effect of prophylactic intravenous ceftriaxone in maxillofacial surgery. Stoll P. **Chemotherapy** 1987; 33(4):291–6

Surgical prophylaxis. Houang E. **Clin Exp Obstet Gynecol** 1986;13(3-4):159–67 (36 ref.)

Vaginal preparation with povidone-iodine before abdominal hysterectomy. A comparison with antibiotic prophylaxis. Zakut H, et al. **Clin Exp Obstet Gynecol** 1987;14(1):1–5

Reversal of antigen-induced resistance to collagen arthritis by cyclophosphamide. Arai K, et al. **Clin Immunol Immunopathol** 1987 Jun;43(3):325–32

Antibiotic prophylaxis in neurosurgery. Haines SJ. **Clin Neurosurg** 1986;33:633–42

Comparison of single-dose moxalactam and a three-dose regimen of cefoxitin for prophylaxis in vaginal hysterectomy. Rapp RP, et al. **Clin Pharm** 1986 Dec; 5(12):988–93

Effective perioperative prophylaxis with a single dose of cefotaxime in transurethral prostatectomy. Nielsen PB, et al. **Clin Ther** 1987;9(2):167–73

Effects of pinaverium bromide in the premedication of endoscopic retrograde cholangio-pancreatography and on motor activity of the sphincter of Oddi. Lamazza A, et al. **Curr Med Res Opin** 1986;10(4):280–4

Prolonged survival of rat parathyroid allografts after preoperative treatment with cyclosporine A. Bloom AD, et al. **Curr Surg** 1987 May-Jun;44(3):205–7

Short-term prophylaxis in cardiovascular surgery. Jiříčková J, et al. **Czech Med** 1986;9(3):177–80

Single-dose cephalosporin prophylaxis of 929 surgical procedures in a prepaid group practice: a prospective, randomized comparison of cefoperazone and cefotaxime. Jones RN, et al. **Diagn Microbiol Infect Dis** 1987 Apr; 6(4):323–34

Single or multiple doses of metronidazole and ampicillin in elective colorectal surgery. A randomized trial. Juul P, et al. **Dis Colon Rectum** 1987 Jul;30(7):526–8

Antimicrobial prophylaxis of gastrointestinal surgical procedures and treatment of intraabdominal infections. Danziger L, et al. **Drug Intell Clin Pharm** 1987 May; 21(5):406–16 (96 ref.)

Controlled trial of a short and a prolonged course with ciprofloxacin in patients undergoing transurethral prostatic surgery. Grabe M, et al. **Eur J Clin Microbiol** 1987 Feb; 6(1):11–7

Reduction of experimental wound infection rate by administration of clindamycin in addition to netilmicin. Moesgaard F, et al. **Eur J Clin Microbiol** 1986 Aug; 5(4):451–3

Effective postoperative pain control by preoperative injection of diclofenac. Wuolijoki E, et al. **Eur J Clin Pharmacol** 1987;32(3):249–52

Cyproterone acetate lead-in prevents initial rise of serum testosterone induced by luteinizing hormone-releasing hormone analogs in the treatment of metastatic carcinoma of the prostate. Boccon-Gibod L, et al. **Eur Urol** 1986; 12(6):400–2

A case for preoperative chemotherapy in advanced urothelial cancer of the upper urinary tract. Jakse G, et al. **Eur Urol** 1986;12(6):387–9

Prophylactic chemotherapy with fosfomycin trometamol salt during transurethral prostatic surgery: a controlled multicenter clinical trial. Periti P, et al. **Eur Urol** 1987;13 Suppl 1:122–31

Premedication with meperidine and diazepam for upper gastrointestinal endoscopy precludes the need for topical anesthesia. Cantor DS, et al. **Gastrointest Endosc** 1986 Oct; 32(5):339–41

Premedication for fibreoptic bronchoscopy (is sedation a must?). Banerjee A, et al. **Indian J Chest Dis Allied Sci** 1986 Apr-Jun;28(2):76–80

Control of infection after cardiothoracic surgery. Kumar AS, et al. **Indian J Chest Dis Allied Sci** 1986 Jul-Sep; 28(3):109–15

Preoperative immunisation against tetanus by a single dose. Prayag R, et al. **Indian J Med Res** 1986 Jun;83:577–9

Antimicrobial prophylaxis in transurethral surgery. Madsen PO, et al. **Infection** 1986 Sep-Oct;14(5):201–2 (25 ref.)

Randomized study of minocycline + gentamicin compared with metronidazole + gentamicin for prophylaxis or treatment of mixed infections in abdominal surgery. Legrand JC, et al. **Int J Clin Pharmacol Res** 1986;6(5):361–8

Comparison of preventive use of metronidazole and ampicillin in women with a history of pelvic inflammatory disease undergoing first-trimester abortion. Heisterberg L, et al. **Int J Gynaecol Obstet** 1986 Oct;24(5):343–6

Prophylactic topical cefamandole in radical hysterectomy. Miyazawa K, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):133–8

Prevention of postoperative infection in cesarean section after rupture of the membranes. Schedvins K, et al. **Int J Gynaecol Obstet** 1986 Jun;24(3):165–8

Tinidazole or pivampicillin in third molar surgery. Mitchell DA, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):171–4

Bone levels of cephradine and cefuroxime after intravenous administration in patients undergoing total hip replacement. Cain TJ, et al. **Int Orthop** 1987;11(1):61–3

Analgesic regimens for third molar surgery: pharmacologic and behavioral considerations. Moore PA, et al. **J Am Dent Assoc** 1986 Nov;113(5):739–44

Antibiotic prophylaxis in Silastic joint implantation. A retrospective study. Landry JR, et al. **J Am Podiatr Med Assoc** 1987 Apr;77(4):177–81

Serum concentrations of amoxycillin in children following an oral loading dose prior to general anaesthesia: relevance for the prophylaxis of infective endocarditis. Cannon PD, et al. **J Antimicrob Chemother** 1987 Jun;19(6):795–7

Pharmacokinetics of vancomycin in serum and tissue of patients undergoing open-heart surgery. Daschner FD, et al. **J Antimicrob Chemother** 1987 Mar;19(3):359–62

The prevention of wound infection after coronary artery bypass surgery. Farrington M. **J Antimicrob Chemother** 1986 Dec;18(6):656–9

Imipenem pharmacokinetics in elective colorectal surgery. Gartell PC, et al. **J Antimicrob Chemother** 1986 Dec;18 Suppl E:109–13

Cefoxitin versus gentamicin and metronidazole in prevention of post-appendicectomy sepsis: a randomized, prospective trial. Lau WY, et al. **J Antimicrob Chemother** 1986 Nov; 18(5):613–9

Serum and bone concentrations of cefuroxime in patients undergoing knee arthroplasty. Leigh DA. **J Antimicrob Chemother** 1986 Nov;18(5):609–11

Intraperitoneal penetration of ticarcillin/clavulanic acid (Timentin). Manek N, et al. **J Antimicrob Chemother** 1987 Mar;19(3):363–6

Antimicrobial prophylaxis in low-risk biliary surgery. Masterton RG. **J Antimicrob Chemother** 1986 Jul;18(1):4–6

Infection rate in total hip arthroplasty as a function of air cleanliness and antibiotic prophylaxis. 10-year experience with 2,384 cementless Lord madreporic prostheses. Marotte JH, et al. **J Arthroplasty** 1987;2(1):77–82

Wound colonisation following cardiac surgery. Reduction by adjuvant use of preincisional, presternal antibiotic infiltration: a double blind prospective randomised study. Walker WS, et al. **J Cardiovasc Surg (Torino)** 1986 Nov-Dec;27(6):662–6

Wound sepsis after cholecystectomy. Influence of incidental appendectomy. O'Malley VP, et al. **J Clin Gastroenterol** 1986 Aug;8(4):435–7

Premedication with lorazepam before bone marrow biopsy. Milligan DW, et al. **J Clin Pathol** 1987 Jun;40(6):696–8

Antibiotics in open fractures of the distal phalanx? Sloan JP, et al. **J Hand Surg [Br]** 1987 Feb;12(1):123–4

Antibiotic costs and prescribing patterns in a recently commissioned Liverpool teaching hospital. Part II: Antimicrobial chemoprophylaxis. Griffiths LR, et al. **J Hosp Infect** 1986 Sep;8(2):168–77

Per-operative antibiotic treatment in cardiovascular surgery: the influence of methicillin versus cephalothin on post-operative infections and bacterial colonization. Hansen BG. **J Hosp Infect** 1986 Sep;8(2):184–92

A comparison of single-dose and multi-dose metronidazole prophylaxis for hysterectomy. Haverkorn MJ. **J Hosp Infect** 1987 May;9(3):249–54

Single dose mezlocillin versus three dose cefuroxime plus metronidazole for the prophylaxis of wound infection after large bowel surgery. Stubbs RS, et al. **J Hosp Infect** 1987 May;9(3):285–90

Prevention and treatment of nosocomial infections, with special reference to antibiotic policy. Výmola F, et al. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):283–6

Local infiltration block supplemented by diazepam and pentazocine combination for tubal ligation. Kajve PP, et al. **J Indian Med Assoc** 1986 May;84(5):143–5

Glycopyrrolate in paediatric premedication. Paul AK. **J Indian Med Assoc** 1986 Aug;84(8):236–8

An assessment of the need for gram-negative bacterial coverage in antibiotic prophylaxis for oncological head and neck surgery. Johnson JT, et al. **J Infect Dis** 1987 Feb; 155(2):331–3

Effect of skin pretreatment with vehicle alone or drug in vehicle on flux of a subsequently applied drug: results of hairless mouse skin and diffusion cell studies. Sherertz EF, et al. **J Invest Dermatol** 1987 Sep;89(3):249–52

Effect of pretreatment with acetaminophen-propoxyphene for oral surgery pain. Liashek P Jr, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):99–103

Single-dose antibiotic prophylaxis in high-risk patients undergoing cesarean section. A comparative trial. Saltzman DH, et al. **J Reprod Med** 1986 Aug;31(8):709–12

Short-term prophylaxis with cefuroxime in colorectal surgery for cancer. Colizza S, et al. **J Surg Oncol** 1987 Aug;35(4):266–8

Preoperative insulin reverses cachexia and decreases mortality in tumor-bearing rats. Moley JF, et al. **J Surg Res** 1987 Jul;43(1):21–8

PTFE graft treated with silver norfloxacin (AgNF): drug retention and resistance to bacterial challenge. Shah PM, et al. **J Surg Res** 1987 Mar;42(3):298–303

Tube thoracostomy and trauma--antibiotics or not? LoCurto JJ Jr, et al. **J Trauma** 1986 Dec;26(12):1067–72

Septicemia following transurethral resection of the prostate [letter] Brooks M. **J Urol** 1986 Oct;136(4):920

Antibiotic prophylaxis of urinary tract infection after

transurethral resection of the prostate: a randomized study. Charton M, et al. **J Urol** 1987 Jul;138(1):87–9

Antimicrobial agents in transurethral prostatic resection. Grabe M. **J Urol** 1987 Aug;138(2):245–52 (87 ref.)

Re: Short-term prophylactic antibiotics in patients undergoing prostatectomy: report of a double-blind randomized trial with 2 intravenous doses of cefotaxime [letter] Grabe M. **J Urol** 1987 Feb;137(2):317–8

The impact of multiple operations on the importance of arterial wall cultures. Durham JR, et al. **J Vasc Surg** 1987 Jan;5(1):160–9

Dipyridamole-induced myocardial ischemia. Keltz TN, et al. **JAMA** 1987 Mar 20;257(11):1515–6

Prophylactic antibiotics for patients undergoing elective biliary tract surgery: a prospective randomized study of cefotiam and cefoperazone. Shinagawa N, et al. **Jpn J Surg** 1987 Jan;17(1):1–8

Long-term results of prophylactic cefazolin versus placebo in total hip replacement [letter] Doyon F, et al. **Lancet** 1987 Apr 11;1(8537):860

Goserelin therapy before surgery for uterine fibroids [letter] Lumsden MA, et al. **Lancet** 1987 Jan 3;1(8523):36–7

Etiologic factors in head and neck wound infections. Brown BM, et al. **Laryngoscope** 1987 May;97(5):587–90

Prophylactic antibiotics for surgery. Bergquist EJ, et al. **Med Clin North Am** 1987 May;71(3):357–68 (45 ref.)

Tranexamic acid. **Med Lett Drugs Ther** 1987 Sep 25; 29(749):89–90

Antimicrobial prophylaxis in surgery [letter] **N Engl J Med** 1987 Apr 23;316(17):1089–90

Oral penicillin prophylaxis in thalassemia and in sickle cell anemia [letter] Colonna P, et al. **N Engl J Med** 1986 Nov 6;315(19):1230

Antimicrobial prophylaxis in surgery. Kaiser AB. **N Engl J Med** 1986 Oct 30;315(18):1129–38 (163 ref.)

Pretreatment with corticosteroids to alleviate reactions to intravenous contrast material. Lasser EC, et al. **N Engl J Med** 1987 Oct 1;317(14):845–9

Prophylactic mezlocillin in radical hysterectomy. Micha JP, et al. **Obstet Gynecol** 1987 Feb;69(2):251–4

Single-dose antibiotic prophylaxis in women undergoing vaginal hysterectomy. Soper DE, et al. **Obstet Gynecol** 1987 Jun;69(6):879–82

Antibiotics and suction drainage as prophylaxis in vaginal and abdominal hysterectomy. Wijma J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):384–8

A randomized, controlled comparison of anterior and posterior periocular injection of antibiotic in the prevention of postoperative endophthalmitis. Christy NE, et al. **Ophthalmic Surg** 1986 Nov;17(11):715–8

Bacteria isolated from late prosthetic joint infections: dental treatment and chemoprophylaxis. Jacobson JJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):122–6

Infectious flare-ups and serious sequelae following endodontic treatment: a prospective randomized trial on efficacy of antibiotic prophylaxis in cases of asymptomatic pulpal-periapical lesions. Morse DR, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):96–109

Comparison of ceforanide and cephalothin prophylaxis in patients undergoing total joint arthroplasty. Soave R, et al. **Orthopedics** 1986 Dec;9(12):1657–60

Antibiotic prophylaxis in high-risk head and neck surgery: one-day vs. five-day therapy. Johnson JT, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):554–7

Failure of single-dose intraventricular vancomycin for cerebrospinal fluid shunt surgery prophylaxis. Younger JJ, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):212–3

Failure of trimethoprim/sulfamethoxazole as prophylactic therapy of gram-negative sepsis in pediatric patients with cancer [letter] Esquembre C, et al. **Pediatrics** 1986 Oct; 78(4):719–20

Analgesic premedication in the management of ileocolic intussusception. Touloukian RJ, et al. **Pediatrics** 1987 Mar; 79(3):432–4

Benzodiazepine for ambulatory surgery [letter] Benvenuti D. **Plast Reconstr Surg** 1987 Jun;79(6):1008–9

The effect of corticosteroids on postoperative edema. Nordström RE, et al. **Plast Reconstr Surg** 1987 Jul; 80(1):85–7

Can preoperative high dose corticosteroids preserve normal pulmonary permeability and homeostasis? Smith L, et al. **Prog Clin Biol Res** 1987;236B:287–94

Prophylaxis with trimethoprim-sulfamethoxazole in abdominal, pelvic, and prostatic surgery. Apuzzio JJ, et al. **Rev Infect Dis** 1987 Mar-Apr;9 Suppl 2:S211–7 (27 ref.)

A randomized comparative study of sulbactam plus ampicillin vs. metronidazole plus cefotaxime in the management of acute appendicitis in children. Foster MC, et al. **Rev Infect Dis** 1986 Nov-Dec;8 Suppl 5:S634–8

Effect of prophylactic administration of sulbactam/ampicillin on the rate of postoperative endometritis after first-trimester abortion. Krohn KT. **Rev Infect Dis** 1986 Nov-Dec;8 Suppl 5:S576–8

Sulbactam plus ampicillin: interim review of efficacy and safety for therapeutic and prophylactic use. Lees L, et al. **Rev Infect Dis** 1986 Nov-Dec;8 Suppl 5:S644–50

Wound infection after major lower-limb amputation—the role of antibiotic prophylaxis. Huizinga WK, et al. **S Afr J Surg** 1986 Sep;24(3):98–102

Ceftriaxone and metronidazole as single-dose prophylaxis in colorectal surgery. Burdon DW, et al. **S Afr Med J** 1987 Jun 20;Suppl 2:15–8

The effectiveness of a short perioperative course with pivampicillin/pivmecillinam in transurethral prostatic resection: clinical results. Grabe M, et al. **Scand J Infect Dis** 1986;18(6):567–73

The effectiveness of a short perioperative course with pivampicillin/pivmecillinam in transurethral prostatic resection: bacteriological results. Grabe M, et al. **Scand J Infect Dis** 1986;18(6):575–81

Biliary antibiotics: clinical utility in biliary surgery. Kanter MA, et al. **South Med J** 1987 Aug;80(8):1007–15 (51 ref.)

Mezlocillin prophylaxis against infection after cesarean section: a comparison of techniques. Lavery JP, et al. **South Med J** 1986 Oct;79(10):1248–51

Protection from cerebral air emboli with perfluorocarbons in rabbits. Spiess BD, et al. **Stroke** 1986 Nov-Dec; 17(6):1146–9

A comparison of piperacillin, cephalothin and cefoxitin in the prevention of postoperative infections in patients undergoing vaginal hysterectomy. Benigno BB, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):421–7

The use of antibiotics in surgical treatment of the colon. Menaker GJ. **Surg Gynecol Obstet** 1987 Jun;164(6):581–6 (28 ref.)

The hematologic effects of latamoxef sodium when used as a prophylaxis during surgical treatment. Salem RR, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):525–9

A comparative study of cefotetan and metronidazole against metronidazole alone to prevent infection after appendectomy. Wilson RG, et al. **Surg Gynecol Obstet** 1987 May;164(5):447–51

A comparison of cefotaxime versus cefamandole in prophylaxis for surgical treatment of the biliary tract. Wilson SE, et al. **Surg Gynecol Obstet** 1987 Mar; 164(3):207–12

Antibiotic prophylaxis in cardiothoracic surgery in the United Kingdom: current practice [letter] Freeman R, et al. **Thorax** 1986 Oct;41(10):816

Antimicrobial prophylaxis in urologic surgery. Larsen EH, et al. **Urol Clin North Am** 1986 Nov;13(4):591–604 (97 ref.)

Antibacterial therapy and prophylaxis in transurethral surgery [editorial] Madsen PO. **Urol Res** 1986;14(4):177–8

Prostaglandin E1 as an adjuvant therapy in the event of femoropopliteal and crural great saphenous vein in situ bypass surgery. Fietze-Fischer B, et al. **Vasa [Suppl]** 1987; 17:23–5

Prophylactic regimens in colorectal surgery: an open, randomized, consecutive trial on metronidazole used alone or in combination with ampicillin or doxycycline. Roland M. **World J Surg** 1986 Dec;10(6):1003–8

[Pre-operative preparation of the intestinal tract with Chinese materia medica] **Chung Hua Hu Li Tsa Chih** 1987 Mar; 22(3):115–6 **(Chi)**

[Comparative study of lidocaine effects on artificial abortion] Li MF. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):250–1 **(Chi)**

[The study of microflora in the upper alimentary tract during subtotal gastrectomy and the prophylactic use of antibiotics] Zhou HC, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Apr;24(4):206–8, 252–3 **(Chi)**

[Doxycycline levels in the blood coagulum and serum. Its relation to the preventive administration of antibiotics in surgical procedures] Morávek J, et al. **Cas Lek Cesk** 1986 Aug 29;125(35):1100–2 (Eng. Abstr.) **(Cze)**

[Antimicrobial prophylaxis using clindamycin in cancer surgery of the head and neck] Janssen J, et al. **Acta Stomatol Belg** 1986 Jul;83(2):121–8 (Eng. Abstr.) **(Dut)**

[Antimicrobial prophylaxis in surgical interventions (letter)] **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1233–5 **(Dut)**

[Antimicrobial prophylaxis in surgical interventions (published erratum appears in Ned Tijdschr Geneeskd 1987 May 30;131(22):976)] Michel MF. **Ned Tijdschr Geneeskd** 1987 May 16;131(20):843–7 **(Dut)**

[Antimicrobial prophylaxis in surgical interventions (letter)] van der Werken C, et al. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1318 **(Dut)**

[Antibiotic prophylaxis in surgery. Biological basis for the use of 2d-generation cephalosporins] Bergogne-Berezin E, et al. **Ann Chir** 1987 Feb;41(1):53–7 (Eng. Abstr.) **(Fre)**

[Cefazolin in thoracic surgery] Favre JP, et al. **Ann Chir** 1986 Nov;40(8):617–26 (Eng. Abstr.) **(Fre)**

[Prevention of postoperative infections by administration of a single dose of antibiotic: cefuroxime (Curoxime) in "flash" antibiotic prophylaxis] Richet H, et al. **Ann Chir** 1986 Dec; 40(9):687–91 (38 ref.) (Eng. Abstr.) **(Fre)**

[Does the "priming" technic (pre-injection) allow the safe use of non-depolarizing curare-like agents for the intubation of patients at risk?] Duvaldestin P, et al. **Ann Fr Anesth Reanim** 1987;6(3):147–8 **(Fre)**

[Conditions of intubation with vecuronium using a priming principle] Schalck R, et al. **Ann Fr Anesth Reanim** 1987; 6(3):169–72 (Eng. Abstr.) **(Fre)**

[Principles of antibiotic therapy in primary prevention of postoperative pulmonary infections] Freysz M, et al. **Cah Anesthesiol** 1986 Dec;34(8):697–701 (35 ref.) **(Fre)**

[Which antibiotics should one choose for prophylaxis in vascular surgery?] Veit R, et al. **J Chir (Paris)** 1986 Nov; 123(11):621–5 (Eng. Abstr.) **(Fre)**

[Use of cyclosporin A eyedrops in the prevention of corneal graft rejection in man. I. Preoperative development of 4 eyes with metaherpetic keratitis] Goichot-Bonnat L, et al. **J Fr Ophtalmol** 1987;10(3):207–11 (Eng. Abstr.) **(Fre)**

[Cyclosporin A eyedrops in the prevention of high-risk corneal graft rejection. II. Postoperative clinical results] Goichot-Bonnat L, et al. **J Fr Ophtalmol** 1987;10(3):213–7 (Eng. Abstr.) **(Fre)**

[Prophylactic antibiotic therapy in digestive surgery (editorial)] Hay JM, et al. **Presse Med** 1987 Apr 25; 16(15):709–10 **(Fre)**

[Esophagogastroduodenal fibroscopy in children. Premedication or general anesthesia? (letter)] Turck D, et al. **Presse Med** 1986 Nov 1;15(38):1929–30 **(Fre)**

[Preventive use of antibiotics in gynecology and obstetrics] Hirsch HA. **Arch Gynecol** 1986;239(3–4):144–8 **(Ger)**

[Measures for reducing complications in anus praeternaturalis repair] Schmidt CD, et al. **Chirurg** 1987 Apr;58(4):252–4 (Eng. Abstr.) **(Ger)**

[Perioperative antibiotic prophylaxis in surgery] Peters G. **Dtsch Med Wochenschr** 1987 Apr 17;112(16):644–6 **(Ger)**

[Perioperative antibiotic prophylaxis in heart and vascular surgery. A prospective randomized comparative study with cefazolin and ceftriaxone] Recker F, et al. **Dtsch Med Wochenschr** 1987 Jan 23;112(4):135–8 (Eng. Abstr.) **(Ger)**

[Perioperative antibiotic prevention with cefoxitin in cesarean section. Management and uses] Fischbach F, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):706–9 (Eng. Abstr.) **(Ger)**

[Prevention of infection in hysterectomy by local preoperative antibiotics] Hägele D, et al. **Geburtshilfe Frauenheilkd** 1986 Dec;46(12):906–7 (Eng. Abstr.) **(Ger)**

["One-shot" prophylaxis in elective colon surgery. Effect of pharmacokinetics and action spectrum] Mendel V, et al. **Helv Chir Acta** 1986 Oct;53(3):351–61 (Eng. Abstr.) **(Ger)**

[Peri- and postoperative preventive use of antibiotics in accident surgery] Hierholzer G, et al. **Langenbecks Arch Chir** 1986;369:615–9 (Eng. Abstr.) **(Ger)**

[Edema prevention with aprotinin in elective interventions in the area of the jaw and face (preliminary results)] Dumbach J. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct; 65(10):545–8 (Eng. Abstr.) **(Ger)**

[Surgical preparation and technic and perioperative therapy in colorectal interventions: state of the art review] Grundmann R, et al. **Med Klin** 1987 Jul 17;82(15–16):532–7 (75 ref.) **(Ger)**

[Premedication in fiber optic bronchoscopy from the patient's and the physician's viewpoint—a randomized study for the comparison of midazolam and hydrocodone] Mendes de Leon C, et al. **Schweiz Med Wochenschr** 1986 Sep 13; 116(37):1267–72 (Eng. Abstr.) **(Ger)**

[Perioperative short-term prevention with chloramphenicol in acute abdominal surgery] Utech J. **Z Arztl Fortbild (Jena)** 1986;80(22):931–3 **(Ger)**

[Preventive use of antibiotics in kidney transplantation] Wilms H, et al. **Z Urol Nephrol** 1986 Oct;79(10):545–8 (Eng. Abstr.) **(Ger)**

[Bacteriological, clinical, and pharmacokinetic studies of perioperative antibiotic prophylaxis in head and neck surgery] Borneff M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Mar; 183(4):337–57 (Eng. Abstr.) **(Ger)**

[Preventive use of antibiotics in surgery of the large intestine] Nagy A, et al. **Zentralbl Chir** 1987;112(9):577–88 **(Ger)**

[Perioperative chemoprevention with metronidazole in cesarean section] Rösler EM, et al. **Zentralbl Gynakol** 1986; 108(17):1066–9 (Eng. Abstr.) **(Ger)**

[Midazolam as premedication for upper gastrointestinal endoscopy] Stermer E, et al. **Harefuah** 1987 Jan 1; 112(1):8–9 (Eng. Abstr.) **(Heb)**

[Bacterial infections and their treatment in radical oro-pharyngo-laryngeal surgery] Ferri T, et al. **Acta Otorhinolaryngol Ital** 1987 Jan-Feb;7(1):53–65 (Eng. Abstr.) **(Ita)**

[Short-term drug prophylaxis with ceftriaxone in abdominal surgery] Dessi E, et al. **Ann Ital Chir** 1986;58(2–4):139–43 **(Ita)**

[Preoperative antibiotic prophylaxis with ceftriaxone in elective appendectomy] Sorrentino V, et al. **Ann Ital Chir** 1986;58(2–4):131–7 (Eng. Abstr.) **(Ita)**

[Short-term antibiotic prophylaxis in elective abdominal surgery] Dell'Orto V. **Chir Ital** 1986 Jun;38(3):305–9 (Eng. Abstr.) **(Ita)**

[Value of antibiotic prophylaxis in elective surgery of tumors of the digestive tract in patients at risk of infection. Review of our experience] Cafiero F, et al. **Minerva Chir** 1986 Oct 15;41(19):1655–9 (Eng. Abstr.) **(Ita)**

[Preoperative single-dose cefoxitin combined with wound lavage with polyvinylpyrrolidone iodine in the prevention of post-appendectomy complications] Di Saverio G, et al. **Minerva Chir** 1987 Mar 31;42(6):531–4 (Eng. Abstr.) **(Ita)**

[Chemoprophylaxis in surgery. Study on the use of antibiotics in Italian hospitals] Pescini A, et al. **Minerva Chir** 1987 Jan 31;42(1–2):79–84 (Eng. Abstr.) **(Ita)**

[Antibiotic prophylaxis with cefazolin in general surgery. 3 years of experience in 2398 cases of operated patients] Sartori CA, et al. **Minerva Chir** 1987 Mar 15;42(5):411–4 (Eng. Abstr.) **(Ita)**

[Short-term antibiotic prophylaxis in cholecystectomy. Our clinical experience] Spinoglio G, et al. **Minerva Chir** 1986

Nov 15;41(21):1817–20 (Eng. Abstr.) (Ita)
[Role of short-term antimicrobial drug prevention in low-risk biliary surgery. Our experience] Talpacci A, et al. **Minerva Chir** 1987 Mar 31;42(6):525–9 (Eng. Abstr.) (Ita)
[Short-term antimicrobial drug prevention in gastric surgery at high risk for infectious complications] Talpacci A, et al. **Minerva Chir** 1987 May 31;42(10):895–9 (Eng. Abstr.) (Ita)
[Premedication for endoscopic examinations with intravenous administration of chlordesmethyldiazepam. A controlled double-blind study with diazepam and placebo] Fichera G, et al. **Minerva Dietol Gastroenterol** 1987 Apr–Jun; 33(2):141–7 (Eng. Abstr.) (Ita)
[Preoperative antibiotic prophylaxis in cesarean section. Preliminary note] Consiglio GC, et al. **Minerva Ginecol** 1987 Jan–Feb;39(1–2):85–8 (Eng. Abstr.) (Ita)
[Short-term antibiotic prophylaxis in gynecologic surgery] Fabiani G, et al. **Minerva Ginecol** 1987 Jan–Feb; 39(1–2):89–94 (Eng. Abstr.) (Ita)
[Tiropramide chlorhydrate in premedication for endoscopic retrograde cholangiopancreatography and its effects on the motor activity of Oddi's sphincter] Bolognese A, et al. **Minerva Med** 1987 Mar 15;78(5):303–6 (Eng. Abstr.) (Ita)
[Clinical evaluation of peroral fosfomycin in dental interventions] Cornacchia N, et al. **Minerva Stomatol** 1986 Dec;35(12):1205–8 (Eng. Abstr.) (Ita)
[Short-term prophylaxis with cefalexin monohydrate combined with fenoprofen in oral surgery] Romagnoli R, et al. **Minerva Stomatol** 1986 Sep;35(9):887–91 (Eng. Abstr.) (Ita)
[A study of serum levels of cefoperazone sodium and its movement to myocardial tissue] Abe T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2803–10 (Eng. Abstr.) (Jpn)
[A study on the prophylactic effect of cefotaxime against postoperative infections in the obstetrical and gynecological field] Chimura T, et al. **Jpn J Antibiot** 1987 Jan;40(1):86–90 (Eng. Abstr.) (Jpn)
[The effect of cefotiam in the prophylaxis of postoperative infections in common gynecological surgeries] Chimura T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2721–5 (Eng. Abstr.) (Jpn)
[A study of cephem antibiotics, cefazolin and ceftizoxime, for prophylaxis against infections following obstetric and gynecologic procedures] Chimura T, et al. **Jpn J Antibiot** 1986 Oct;39(10):2761–6 (Eng. Abstr.) (Jpn)
[Prophylactic and therapeutic use of cefotetan, a cephem antibiotic, for infections in the field of obstetrics and gynecology] Chimura T, et al. **Jpn J Antibiot** 1986 Oct; 39(10):2695–700 (Eng. Abstr.) (Jpn)
[Significance of amikacin administered orally prior to operation for prevention of postoperative infections in colonic cancer surgery] Fujimoto M, et al. **Jpn J Antibiot** 1986 Nov;39(11):2889–96 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Hayasaki M, et al. **Jpn J Antibiot** 1986 Sep;39(9):2497–518 (Eng. Abstr.) (Jpn)
[Prophylactic effects of cefmenoxime against postoperative infections after thoracotomy. Studies of cefmenoxime transfer from serum to pleural fluid and of clinical effects of cefmenoxime] Matsuura Y, et al. **Jpn J Antibiot** 1987 Feb;40(2):295–302 (Eng. Abstr.) (Jpn)
[Clinical study of cefmenoxime in the field of abdominal surgery] Tsuchiya S, et al. **Jpn J Antibiot** 1986 Nov; 39(11):2877–88 (Eng. Abstr.) (Jpn)
[Pharmacokinetics and clinical evaluation of cefotiam in pediatric surgery] Yura J, et al. **Jpn J Antibiot** 1986 Sep; 39(9):2483–7 (Eng. Abstr.) (Jpn)
[Fundamental and clinical studies on ceftazidime in pediatric surgery] Yura J, et al. **Jpn J Antibiot** 1986 Aug;39(8):2193–8 (Eng. Abstr.) (Jpn)
[Prophylactic administration of antimicrobiological agents and reflections ther on—common cold] Kaji M, et al. **Nippon Rinsho** 1986 Apr;44(4):904–7 (Jpn)
[Prophylactic administration of antimicrobiological agents and reflections thereon—prevention of traveler's diarrhoea] Nakatomi M. **Nippon Rinsho** 1986 Apr;44(4):908–12 (10 ref.) (Jpn)
[Prophylactic administration of antimicrobiological agents and reflections thereon—prevention of postoperative infections. 1. Abdominal surgery] Nakayama I, et al. **Nippon Rinsho** 1986 Apr;44(4):913–8 (13 ref.) (Jpn)
[Prophylactic administration of antimicrobiological agents and reflections thereon—prevention of postoperative infections. 2. Obstetrics and gynecology] Takada M, et al. **Nippon Rinsho** 1986 Apr;44(4):919–24 (10 ref.) (Jpn)
[Premedication—why and how?] Reiestad F, et al. **Nord Med** 1986;101(12):359–60 (Eng. Abstr.) (Nor)
[Atropine premedication in peroral endoscopy. Is it reducing the vagal reflex?] Mangschau A, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17–18):1492–4 (Eng. Abstr.) (Nor)
[The use of Cefamandole as an antibiotic screen after vitrectomy in children with chronic uveitis] Chipczyńska B, et al. **Klin Oczna** 1986 Mar;88(3):92 (Eng. Abstr.) (Pol)
[Prevention of infection in closure surgery in colostomies. Double-blind study with tinidazole] Cunha JC, et al. **Arq Gastroenterol** 1986 Apr–Jun;23(2):70–5 (Eng. Abstr.) (Por)
[Effect of premedication, anesthesia and surgery on various indices of hormonal homeostasis in patients with diffuse toxic goiter] Shibanov VIa, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):30–3 (Eng. Abstr.) (Rus)
[Antibiotic prophylaxis in surgery] Treskina OS, et al. **Antibiot Med Biotekhnol** 1986 Dec;31(12):924–36 (118 ref.) (Rus)
[Action of antihistaminic agents in patients with various heart pathologies undergoing surgical treatment] Bender KI, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):67–70 (Eng. Abstr.) (Rus)
[Preventive use of antibiotics in abdominal surgery] Shevchuk MG, et al. **Klin Khir** 1987;(1):59–62 (52 ref.) (Rus)
[Effectiveness of the use of hydrogen peroxide in preventing postoperative wound infection] Aliev AA, et al. **Probl Tuberk** 1987;(2):61–2 (Rus)
[Antibiotic prophylaxis in emergency abdominal surgery] Guselnov AKh, et al. **Vestn Khir** 1986 Jul;137(7):11–5 (Eng. Abstr.) (Rus)
[Organizational and methodologic aspects of antibiotic therapy in a surgical clinic] Lytkin MI, et al. **Vestn Khir** 1986 Sep;137(9):3–11 (Eng. Abstr.) (Rus)
[Preventive preoperative use of kanamycin and cefazolin in patients with acute intestinal obstruction] Rukhliada NV. **Vestn Khir** 1986 Dec;137(12):96–8 (Rus)
[Fibrinolytic hemorrhages in patients with prostatic adenoma treated with acetylsalicylic acid in the preoperative period] Gavriliuk AI. **Vrach Delo** 1987 Jan;(1):96–8 (Rus)
[Preventive administration of antibiotics in selected hospitals in Slovakia] Antal M, et al. **Bratisl Lek Listy** 1986 Oct; 86(4):392–400 (Eng. Abstr.) (Slo)
[Effectiveness of rectal metromidazole in acute infantile appendicitis] Puig I, et al. **An Esp Pediatr** 1986 Sep; 25(3):161–4 (Eng. Abstr.) (Spa)
[Clinical results and changes in serum levels of serotonin and 5-hydroxyindoleacetic after the intravenous administration of midazolam] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):423–7 (Eng. Abstr.) (Spa)
[Prophylactic use of antibiotics in surgical practice] Wolff M. **Rev Med Chil** 1986 Dec;114(12):1175–85 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Central anticholinergic syndrome [letter] Beech M, et al. **Lancet** 1987 May 9;1(8541):1089
Complications during bronchofiberscopy and rigid bronchoscopy. Caputi M, et al. **Panminerva Med** 1986 Jul–Sep;28(3):271–7

ECONOMICS

Cost-effective use of antibiotic prophylaxis for cesarean section. Ford LC, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):506–10 (33 ref.)
Surgical antibiotic prophylaxis, patient morbidity, and cost reduction: a three-year study. Scalley RD, et al. **Drug Intell Clin Pharm** 1987 Jul–Aug;21(7–8):648–52

METHODS

Epidural methadone for preoperative analgesia in patients with proximal femoral fractures. Nyska M, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1347–8
[Gastrointestinal decontamination procedure in bone marrow transplantation] Itoh T, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):879–84 (Eng. Abstr.) (Jpn)

VETERINARY

Use of pentobarbital sodium to reduce seizures in dogs after cervical myelography with metrizamide. Gray PR, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1422–4

PREMENSTRUAL SYNDROME

Evaluation of the premenstrual syndrome. Hart WG, et al. **Aust Fam Physician** 1987 Mar;16(3):251–2, 254
Legal implications of premenstrual syndrome: a Canadian perspective. Meehan E, et al. **Can Med Assoc J** 1986 Sep 15;135(6):601–8
Premenstrual syndrome. **Clin Obstet Gynecol** 1987 Jun; 30(2):365–480
Understanding premenstrual syndrome. Severino SK, et al. **J Am Med Wom Assoc** 1987 Jan–Feb;42(1):22–4
The premenstrual tension syndromes: an update. **J Reprod Med** 1987 Jun;32(6):387–452
Mood disorders and the menstrual cycle. Rubinow DR, et al. **J Reprod Med** 1987 Jun;32(6):389–94 (51 ref.)

BLOOD

Magnesium and the premenstrual syndrome. Sherwood RA, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):667–70
Plasma beta-endorphin immunoreactivity in premenstrual tension. Tulenheimo A, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):26–9
Premenstrual fall of plasma beta-endorphin in patients with premenstrual syndrome. Facchinetti F, et al. **Fertil Steril** 1987 Apr;47(4):570–3
Pattern of plasma opioids in menstrually-related migraine and epilepsy. Facchinetti F, et al. **Funct Neurol** 1986 Oct–Dec;1(4):415–9
Cortisol response to dexamethasone in women with premenstrual syndrome. Roy-Byrne PP, et al. **Neuropsychobiology** 1986;16(2–3):61–3
Whole-blood serotonin in premenstrual syndrome. Rapkin AJ, et al. **Obstet Gynecol** 1987 Oct;70(4):533–7
[Clinico-hormonal characteristics and treatment of the neuropsychological form of the premenstrual syndrome] Komarova IuA. **Akush Ginekol (Mosk)** 1987 May;(5):30–3 (Rus)

CHEMICALLY INDUCED

The effects of norethisterone in postmenopausal women on oestrogen replacement therapy: a model for the premenstrual syndrome. Magos AL, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1290–6

COMPLICATIONS

Premenstrual mood changes in affective disorders. Ghadirian AM, et al. **Can Med Assoc J** 1987 May 15;136(10):1027–32 (51 ref.)
Evaluation of psychiatric symptoms in patients presenting with symptoms of premenstrual tension syndrome. Kathol RG. **Clin Obstet Gynecol** 1987 Jun;30(2):408–16 (25 ref.)
The relationship of menstrually related mood disorders to psychiatric disorders. Roy-Byrne PP, et al. **Clin Obstet Gynecol** 1987 Jun;30(2):386–95 (49 ref.)
Correlation between PMS and alcoholism among women. Price WA, et al. **Ohio Med** 1987 Mar;83(3):201–2
Comparison of depressed and nondepressed women with severe premenstrual tension syndrome. Siegel JP, et al. **Psychother Psychosom** 1986;45(3):113–7
[A case from practice (71). Patient: Ms. H.C., born 11-13-1958, store clerk] Dill S. **Schweiz Rundsch Med Prax** 1987 Jan 13;76(3):55 (Ger)

DIAGNOSIS

Menstrually-related mood disorders. Rubinow DR, et al. **Adv Biochem Psychopharmacol** 1987;43:335–46
Premenstrual syndrome: documentation by a linear analog scale compared with two descriptive scales. Casper RF, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):862–7
Premenstrual syndrome: a time for introspection. Reid RL. **Am J Obstet Gynecol** 1986 Nov;155(5):921–6
TSH and prolactin responses to TRH in patients with premenstrual syndrome. Roy-Byrne PP, et al. **Am J Psychiatry** 1987 Apr;144(4):480–4
Premenstrual syndrome. Massil H, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1289–92
General evaluation of premenstrual symptoms. Keye WR Jr. **Clin Obstet Gynecol** 1987 Jun;30(2):396–407 (4 ref.)
Objective measurement of hot flushes associated with the premenstrual syndrome. Casper RF, et al. **Fertil Steril** 1987 Feb;47(2):341–4
PMS and rapid-cycling BAD [letter] Chandraiah S. **J Clin Psychiatry** 1987 Jul;48(7):300–1
Premenstrual Assessment Form typological categories: classification of self-defined premenstrually symptomatic and asymptomatic women. Youdale JV, et al. **J Consult Clin Psychol** 1987 Jun;55(3):418–22
Assessment of premenstrual symptomatology: a re-evaluation of the predictive validity of self-report. Hart WG, et al. **J Psychosom Res** 1987;31(2):185–90
Premenstrual tension syndrome symptom clusters. Statistical evaluation of the subsyndromes. Siegel JP, et al. **J Reprod Med** 1987 Jun;32(6):395–9
A sexist diagnosis? Severino SK, et al. **Lancet** 1986 Dec 13; 2(8520):1386
Premenstrual dysphoric disorder: evaluation, pathophysiology and treatment. Haskett RF. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):129–35

DIET THERAPY

Role of nutrition in managing the premenstrual tension syndromes. Abraham GE, et al. **J Reprod Med** 1987 Jun; 32(6):405–22 (132 ref.)

DRUG THERAPY

Characteristics of pyridoxine overdose neuropathy syndrome. Dalton K, et al. **Acta Neurol Scand** 1987 Jul;76(1):8–11
Trial of progesterone vaginal suppositories in the treatment of premenstrual syndrome [letter] Dalton K. **Am J Obstet Gynecol** 1987 Jun;156(6):1555–6
A clinical trial using danazol for the treatment of premenstrual tension. Watts JF, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):30–4
Use of prostaglandin inhibitors in the treatment of PMS. Budoff PW. **Clin Obstet Gynecol** 1987 Jun;30(2):453–64 (66 ref.)
The use of progesterone in the treatment of PMS. Maxson WS. **Clin Obstet Gynecol** 1987 Jun;30(2):465–77 (54 ref.)
A double-blind, placebo-controlled evaluation of spironolactone in the premenstrual syndrome. Vellacott ID, et al. **Curr Med Res Opin** 1987;10(7):450–6
Treatment of premenstrual syndrome. A double-blind trial of dydrogesterone. Dennerstein L, et al. **J Affective Disord** 1986 Nov–Dec;11(3):199–205
Recurrent premenstrual decline in serum lithium

concentration: clinical correlates and treatment implications. Conrad CD, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):852–3

Indications for drug therapy in premenstrual syndrome patients. Chihal HJ. **J Reprod Med** 1987 Jun;32(6):449–52 (21 ref.)

Efficacy of alpha–tocopherol ir. the treatment of the premenstrual syndrome. London RS, et al. **J Reprod Med** 1987 Jun;32(6):400–4

Clinical and biochemical effects of nutritional supplementation on the premenstrual syndrome. Stewart A. **J Reprod Med** 1987 Jun;32(6):435–41

Effect of spironolactone on premenstrual syndrome symptoms. Vellacott ID, et al. **J Reprod Med** 1987 Jun; 32(6):429–34 (39 ref.)

The effects of vitamin B6 supplementation on premenstrual symptoms. Kendall KE, et al. **Obstet Gynecol** 1987 Aug; 70(2):145–9

Premenstrual syndrome: beneficial effects of periodic, low–dose danazol. Sarno AP Jr, et al. **Obstet Gynecol** 1987 Jul;70(1):33–6

Treatment of premenstrual syndrome with alprazolam: results of a double–blind, placebo–controlled, randomized crossover clinical trial. Smith S, et al. **Obstet Gynecol** 1987 Jul;70(1):37–43

Treatment of premenstrual dysphoria with alprazolam and placebo. Harrison WM, et al. **Psychopharmacol Bull** 1987; 23(1):150–3

[Mastodynia and fibrocystic disease of the breast (letter)] Pons JY. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(1):129 **(Fre)**

[Mastodynia and fibrocystic disease of the breast. Perspectives and methods of medical treatment] van Bogaert LJ. **J Gynecol Obstet Biol Reprod (Paris)** 1986; 15(6):805–11 (Eng. Abstr.) **(Fre)**

[Treatment of premenstrual syndrome with essential fatty acids (evening primrose oil)] Bordoni A, et al. **G Clin Med** 1987 Jan;68(1):23–8 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Endocrine hypotheses for the etiology of premenstrual syndrome. Strickler RC. **Clin Obstet Gynecol** 1987 Jun; 30(2):377–85 (42 ref.)

Premenstrual syndrome [editorial] Russell J, et al. **Med J Aust** 1987 May 18;146(10):510–1

Influence of dietary fat on self–reported menstrual symptoms. Jones DY. **Physiol Behav** 1987;40(4):483–7

METABOLISM

Neuropeptides and PMS [letter] Reid RL. **Fertil Steril** 1986 Oct;46(4):738–40

Vitamin B6 status of women suffering from premenstrual syndrome. van den Berg H, et al. **Hum Nutr Clin Nutr** 1986 Nov;40(6):441–50

MICROBIOLOGY

[Composition of bacterial flora in the premenstrual syndrome. Preliminary note] Minelli EB, et al. **Ann Ist Super Sanita** 1986;22(3):915–8 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Premenstrual symptoms in black and white community samples. Stout AL, et al. **Am J Psychiatry** 1986 Nov; 143(11):1436–9

Epidemiology of premenstrual symptoms. Boyle CA, et al. **Am J Public Health** 1987 Mar;77(3):349–50

The epidemiology and social impact of premenstrual symptoms. Johnson SR. **Clin Obstet Gynecol** 1987 Jun; 30(2):367–76 (24 ref.)

A study of the incidence of the premenstrual syndrome in a group of Nigerian women. Adenaike OC, et al. **Public Health** 1987 Jan;101(1):49–58

PHYSIOPATHOLOGY

Premenstrual changes and changes in gonadal hormones. Halbreich U, et al. **Acta Psychiatr Scand** 1986 Dec; 74(6):576–86

Detecting changes in functional ability in women with premenstrual syndrome. Posthuma BW, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):275–8

Conditioning exercise decreases premenstrual symptoms. A prospective controlled three month trial. Prior JC, et al. **Eur J Appl Physiol** 1986;55(4):349–55

A biopsychosocial model of premenstrual syndrome. Keye WR Jr, et al. **Int J Fertil** 1986 Sep–Oct;31(4):259–62

Autonomic arousal and pain sensitivity in women with premenstrual syndrome at different phases of the menstrual cycle. Kuczmierczyk AR, et al. **J Psychosom Res** 1986; 30(4):421–8

Thyroid hypofunction in premenstrual syndrome [letter] Brayshaw ND, et al. **N Engl J Med** 1986 Dec 4; 315(23):1486–7

Luteal phase defect and premenstrual syndrome in an infertile population. Ying YK, et al. **Obstet Gynecol** 1987 Jan; 69(1):96–8

Endocrinological aspects of the premenstrual syndrome. Bäckström T, et al. **Prog Clin Biol Res** 1986;225:421–8 (32 ref.)

The effects of gonadal hormones on brain and behavior. Steiner M. **Prog Neuropsychopharmacol Biol Psychiatry** 1987;11(2–3):115–9

Premenstrual mood changes and gating of the auditory evoked potential. Waldo MC, et al. **Psychoneuroendocrinology** 1987;12(1):35–40

PREVENTION & CONTROL

Conditioning exercise decreases premenstrual symptoms: a prospective, controlled 6–month trial. Prior JC, et al. **Fertil Steril** 1987 Mar;47(3):402–8

The relationship between retrospective premenstrual symptom reporting and present oral contraceptive use. Graham CA, et al. **J Psychosom Res** 1987;31(1):45–53

PSYCHOLOGY

Legal implications of premenstrual syndrome: a Canadian perspective [letter] Robinson GE. **Can Med Assoc J** 1986 Dec 15;135(12):1340–1

Premenstrual syndrome. A critical review of the literature. Spitz AD. **Indiana Med** 1987 Apr;80(4):378–82 (26 ref.)

Premenstrual depression: a distinct entity. McMillan MJ, et al. **J Abnorm Psychol** 1987 May;96(2):149–54

The effect of a support group on self–esteem of women with premenstrual syndrome. Walton J, et al. **J Obstet Gynecol Neonatal Nurs** 1987 May–Jun;16(3):174–8

Psychiatric screening in the premenstrual syndrome. Hart WG, et al. **Med J Aust** 1987 May 18;146(10):518–9, 522

Medical and psychologic characteristics of women presenting with premenstrual symptoms [letter] Freeman EW, et al. **Obstet Gynecol** 1987 Jul;70(1):142–3

Medical and psychologic characteristics of women presenting with premenstrual symptoms. Keye WR Jr, et al. **Obstet Gynecol** 1986 Nov;68(5):634–7

Pain responsivity in women with premenstrual syndrome across the menstrual cycle. Kuczmierczyk AR, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):387–93

Type A–B behavior and the premenstrual syndrome. Hicks RA, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):353–4

[Emotional changes in the menstrual cycle—the premenstrual syndrome] Schwarzer R, et al. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):237–43 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of a patient with seasonal premenstrual syndrome. Parry BL, et al. **Am J Psychiatry** 1987 Jun;144(6):762–6

Therapeutic effect of sleep deprivation in patients with premenstrual syndrome. Parry BL, et al. **Am J Psychiatry** 1987 Jun;144(6):808–10

Approach to the management of premenstrual syndrome. Massil HY, et al. **Clin Obstet Gynecol** 1987 Jun;30(2):443–52

Managing the premenstrual syndrome. Smith MA, et al. **Clin Pharm** 1986 Oct;5(10):788–97 (59 ref.)

Conditioning exercise and premenstrual symptoms. Prior JC, et al. **J Reprod Med** 1987 Jun;32(6):423–8 (34 ref.)

PREMOLAR see **BICUSPID**

PRENALTEROL

BIOSYNTHESIS

Microbiological systems in organic synthesis: preparation of racemic prenalterol utilizing Cunninghamella echinulata. Pasutto FM, et al. **J Pharm Sci** 1987 Feb;76(2):177–9

PHARMACODYNAMICS

Analysis of the inotropic effect of prenalterol in papillary muscles from guinea–pig hearts. Wohlfart B, et al. **Acta Physiol Scand** 1987 Jun;130(2):187–91

Effect of the partial beta–agonist prenalterol on plasma renin activity in patients with left ventricular failure. Wathen CG, et al. **Clin Chim Acta** 1987 Jan 15;162(1):97–100

Sensitivity of the PGF2 alpha–versus carbachol–contracted trachea to relaxation by salbutamol, forskolin and prenalterol. Heaslip RJ, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):73–9

Direct versus reflex activation of cardiac beta–adrenoceptors in the chronotropic and inotropic effects of isoprenaline and prenalterol in the conscious dog. Berdeaux A, et al. **J Pharmacol** 1986 Jul–Sep;17(3):266–74

Effects of clenbuterol and prenalterol on performance during differential reinforcement of low response rate in the rat. O'Donnell JM. **J Pharmacol Exp Ther** 1987 Apr; 241(1):68–75

Effects of clenbuterol and prenalterol on behavior maintained under a multiple fixed–interval, fixed–ratio schedule. O'Donnell JM. **J Pharmacol Exp Ther** 1987 Aug; 242(2):588–94

THERAPEUTIC USE

Effects of prenalterol on central hemodynamics and myocardial metabolism in experimental propoxyphene–induced shock. Häggmark S, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):52–6

Severe atenolol poisoning: treatment with prenalterol. Freestone S, et al. **Hum Toxicol** 1986 Sep;5(5):343–5

First–line treatment of left ventricular failure complicating acute myocardial infarction: a randomised evaluation of immediate effects of diuretic, venodilator, arteriodilator, and positive inotropic drugs on left ventricular function. Verma SP, et al. **J Cardiovasc Pharmacol** 1987 Jul; 10(1):38–46

TOXICITY

Enhanced myocardial necrosis induced in rats by the combined administration of hydralazine and prenalterol. Joseph X, et al. **J Pharm Pharmacol** 1986 Sep;38(9):695–7

PRENATAL CARE

see related
PERINATOLOGY

Mentally ill mothers and their children. An epidemiological study of antenatal care consumption, obstetric conditions, and neonatal health. Bågedahl–Strindlund M. **Acta Psychiatr Scand** 1986 Jul;74(1):32–40

Hepatitis B: a case for prenatal screening of all patients. Cruz AC, et al. **Am J Obstet Gynecol** 1987 May;156(5):1180–3

Nurse–midwifery care and improved outcomes [letter] McFarlin BL, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):761–2

Regional program for prevention of premature birth in northwestern North Carolina. Meis PJ, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):550–6

Women's acceptance of a preterm birth prevention program. Papiernik E, et al. **Am J Obstet Gynecol** 1986 Nov; 155(5):939–46

Prescription drug use before and during pregnancy in a Medicaid population. Piper JM, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):148–56

Barriers to receiving adequate prenatal care. Poland ML, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):297–303

Monoamniotic twins: antenatal diagnosis and management. Sutter J, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):836–7

Preconceptional health promotion: a focus for obstetric care. Moos MK, et al. **Am J Perinatol** 1987 Jan;4(1):63–7

Intrapartum management of the fetus with idiopathic hydrocephalus. Silver RK, et al. **Am J Perinatol** 1987 Jan; 4(1):16–9

The effects of race, residence, and prenatal care on the relationship of maternal age to neonatal mortality. Geronimus AT. **Am J Public Health** 1986 Dec; 76(12):1416–21

Mental retardation and developmental disabilities: research, education, and technology transfer. An overview. Yaffe SJ. **Ann NY Acad Sci** 1986;477:1–6

Delivery of perinatal care in India: priorities and policies. Bhargava SK, et al. **Ann Trop Paediatr** 1986 Dec; 6(4):225–31

Immunohaematological testing of the antenatal patient. Is the Rh(D) positive woman as important as the Rh(D) negative woman? Davis KG, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):253–6

The effectiveness of antenatal education of Pakistani and Indian women living in this country. McEnery G, et al. **Child Care Health Dev** 1986 Nov–Dec;12(6):385–99

The impact of prenatal care on the outcome of pregnancy. Insler V, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):211–23

Obstetrical and neonatal risk factors in very low birth weight infants related to their neurological development. Haas G, et al. **Eur J Pediatr** 1986 Oct;145(5):341–6

Need for prenatal care? [letter] Holman ML. **Fam Plann Perspect** 1985 Nov–Dec;17(6):283

The availability of reproductive health services from U.S. private physicians. Orr MT, et al. **Fam Plann Perspect** 1985 Mar–Apr;17(2):63–9

Prelacteal feeds and breast–feeding problems. Isenalumhe AE, et al. **Indian J Pediatr** 1987 Jan–Feb;54(1):89–96

Research priorities in neonatology. Singh M. **Indian J Pediatr** 1986 May–Jun;53(3):385–7

Pregnant immigrant women: occupational activity, antenatal care and outcome. Stengel B, et al. **Int J Epidemiol** 1986 Dec;15(4):533–9

Antenatal booking and perinatal mortality in Scotland 1972–1982. Strachan DP. **Int J Epidemiol** 1987 Jun; 16(2):229–33

Fetal ventricular pacing for hydrops secondary to complete atrioventricular block. Carpenter RJ Jr, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1434–6

A prenatal screening system for use in a community–based setting. Kennedy ET. **J Am Diet Assoc** 1986 Oct; 86(10):1372–5

Help with prenatal household tasks and newborn birth weight: is there an association? Pascoe JM, et al. **J Dev Behav Pediatr** 1987 Aug;8(4):207–12

Demystifying the nurse–midwifery management process. Erwin DK, et al. **J Nurse Midwifery** 1987 Jan–Feb; 32(1):26–32

On death at birth. Wade RV. **J SC Med Assoc** 1987 Jul; 83(7):391–2

Prenatal education for pregnant adolescents. Timberlake B, et al. **J Sch Health** 1987 Mar;57(3):105–8

Advertising in antenatal clinics [letter] Malik N. **Lancet** 1987 Mar 7;1(8532):564

Access to prenatal care and prevention of low birth weight. Cagle CS. **MCN** 1987 Jul–Aug;12(4):235–8

Implementation of health screening programs using ethnomedical resources. Micozzi MS. **Med Anthropol** 1985 Summer;9(3):265–75

Infants of diabetic mothers: prenatal care and outcomes for

the infant. Neufeld ND. **Mt Sinai J Med (NY)** 1987 Mar; 54(3):266–71 (45 ref.)
Antenatal nutrition. Burch MM. **Nebr Med J** 1986 Oct; 71(10):365–6
Indigent health care for pregnant women in Nebraska. Monif G. **Nebr Med J** 1986 Oct;71(10):348–9
The reproductive experience of women living in hotels for the homeless in New York City. Chavkin W, et al. **NY State J Med** 1987 Jan;87(1):10–3
Myositis ossificans progressiva and pregnancy. Fox S, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):453–5
Respiratory distress syndrome in infants of diabetic mothers in the 1980s: no direct adverse effect of maternal diabetes with modern management. Mimouni F, et al. **Obstet Gynecol** 1987 Feb;69(2):191–5
Prenatal care adequacy and the outcome of adolescent pregnancy: effects on weight gain, preterm delivery, and birth weight. Scholl TO, et al. **Obstet Gynecol** 1987 Mar; 69(3 Pt 1):312–6
Patient participation in alternative perinatal care: impact on satisfaction and health locus of control. Littlefield VM, et al. **Res Nurs Health** 1987 Jun;10(3):139–48
The unbooked patient. Part I. Reasons for failure to attend antenatal clinics. Hamilton RA, et al. **S Afr Med J** 1987 Jan 10;71(1):28–31
The unbooked patient. Part II. Outcome of pregnancy in unbooked coloured patients. Hamilton RA, et al. **S Afr Med J** 1987 Jan 10;71(1):31–4
The unbooked mother at Tygerberg Hospital. A prospective controlled study. Pattinson RC, et al. **S Afr Med J** 1987 May 2;71(9):559–60
How to evaluate perinatal care. Bakketeig LS. **Scand J Soc Med** 1987;15(2):111–6
The utilization of antenatal care in the prevention and intervention of the consequences of parental alcohol use. Huntimer CM. **SD J Med** 1987 Jul;40(7):25–30
Reducing complications of perinatal care. Fletcher MA, et al. **Semin Perinatol** 1986 Jul;10(3):163–8
Antepartum care in multiple gestation. Newton ER. **Semin Perinatol** 1986 Jan;10(1):19–29 (83 ref.)
Tai Dam health care practices: Asian refugee women in Iowa. Bell SE, et al. **Soc Sci Med** 1987;24(4):317–25
Accessibility, quality of care and prenatal care use in the Philippines. Wong EL, et al. **Soc Sci Med** 1987; 24(11):927–44
Antenatal card for illiterate traditional birth attendants. Chabot HT, et al. **Trop Doct** 1986 Apr;16(2):75–8
Affect of late-onset prenatal care on antenatal diagnosis. Bodurtha JN, et al. **Va Med** 1986 Nov;113(11):673–6
Motherisk—a new approach to antenatal counselling of drug/chemical exposure. Koren G, et al. **Vet Hum Toxicol** 1986 Dec;28(6):563–5
[Women's attitudes to antenatal care, delivery and the postpartum period. II. Delivery and the postpartum period] Ahrentsen OD, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3473–5 (Eng. Abstr.) **(Dan)**
[Prenatal care and occupational activity] Naudin J, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):341–4 (Eng. Abstr.) **(Fre)**
[Childbirth monitoring within the framework of responsible childbirth assistance] Hickl EJ. **Gynakol Rundsch** 1986;26 Suppl 2:5–14 **(Ger)**
[Effect of pregnancy monitoring on the occurrence of connatal struma in an endemic struma area] Pink V, et al. **Z Arztl Fortbild (Jena)** 1986;80(22):935–7 **(Ger)**
[Basic principles of modern management and care of multiple pregnancies (apropos of the first successfully managed case of quintuplets in Hungary)] Gáti I, et al. **Orv Hetil** 1987 Jan 18;128(3):127–31 (Eng. Abstr.) **(Hun)**
[Perinatal care in Möre and Romsdal. Extent and content] Rønsaak E, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10; 107(10–11):959–62 (Eng. Abstr.) **(Nor)**
[Management of the clinical aspects of hypertension in prenatal consultation] Leal Tijerina G, et al. **Ginecol Obstet Mex** 1986 Sep;54:225–31 (Eng. Abstr.) **(Spa)**
[Experience in a unit for pregnant adolescents] Martínez Aliaga E, et al. **Rev Chil Obstet Ginecol** 1985;50(2):127–39 (Eng. Abstr.) **(Spa)**

ECONOMICS

Routine hepatitis screening in adolescent pregnancies: is it cost effective? Wetzel AM, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):166–9
Paying for maternity care. Gold RB, et al. **Fam Plann Perspect** 1985 May–Jun;17(3):103–11
Prenatal nutrition services: a cost analysis. Splett PL, et al. **J Am Diet Assoc** 1987 Feb;87(2):204–8
Prenatal screening for irregular blood group antibodies [editorial] **Lancet** 1986 Dec 13;2(8520):1369–70
Prenatal participation in WIC related to Medicaid costs for Missouri newborns: 1982 update. Schramm WF. **Public Health Rep** 1986 Nov–Dec;101(6):607–15

LEGISLATION & JURISPRUDENCE

Emerging notions of women's rights and responsibilities during gestation. Blank RH. **J Leg Med (Chicago)** 1986 Dec;7(4):441–69
Perinatal malpractice. Risks and prevention. Nocon JJ, et al. **J Reprod Med** 1987 Feb;32(2):83–90

METHODS

Evaluation of the weekly cervical examination in a preterm birth prevention program. Holbrook RH Jr, et al. **Am J Perinatol** 1987 Jul;4(3):240–4
Distribution of ultrasound examination during pregnancy in France between 1976 and 1981. Poisson-Salomon AS, et al. **Int J Epidemiol** 1987 Jun;16(2):234–8
Prenatal care in 1986. Beatty BA, et al. **Iowa Med** 1986 Sep; 76(9):401–6
Lifestyle for healthy baby—how you can best counsel your patients. Sipes SL. **Iowa Med** 1986 Sep;76(9):413–7
Dating pregnancy. Gathering and using a reliable data base. Nichols C. **J Nurse Midwifery** 1987 Jul–Aug;32(4):195–204
Ultrasonography in the first trimester of pregnancy in Indian patients. Patel SR, et al. **J Postgrad Med** 1986 Jul; 32(3):134–8
[Method of delivery and status of the newborn infant with IUGR] Iarukov A, et al. **Akush Ginekol (Sofiia)** 1987; 26(3):23–8 (Eng. Abstr.) **(Bul)**
[Counting fetal movements in ambulatory prenatal care] Kindt J, et al. **Zentralbl Gynakol** 1987;109(6):353–7 (Eng. Abstr.) **(Ger)**
[Differential preparation for labor in women with pelvic presentation] Medvedev BI, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):44–6 **(Rus)**

ORGANIZATION & ADMINISTRATION

Schoolgirl mothers [editorial] Black D. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1047
Reducing delay in booking for antenatal care. Robson J, et al. **J R Coll Gen Pract** 1986 Jun;36(287):274–5
New efforts to further reduce Tennessee's infant mortality rate. Wadley FS. **J Tenn Med Assoc** 1986 Dec;79(12):766–7
Computers in the examining room, the delivery room, and the nursery. Jelovsek FR. **MD Comput** 1984;1(2):52–8, 65
Antenatal care in a district hospital. Chiphangwi J. **Trop Doct** 1987 Jul;17(3):124–7
[The structure of pregnancy and childbirth monitoring in East Germany] Sarembe B. **Gynakol Rundsch** 1986;26 Suppl 2:15–21 **(Ger)**
[Complex prevention of iron-deficiency anemia in the mother and child in operationally-consolidated ambulatory and polyclinic institutions] Shiliaev RR, et al. **Pediatriia** 1986 Sep;(9):48–9 **(Rus)**

PSYCHOLOGY

Pregnant adolescents attending prenatal parent education classes: self-concept, anxiety and depression levels. Lineberger MR. **Adolescence** 1987 Spring;22(85):179–93
Women's views on keeping fetal movement charts [letter] Dickinson R. **Br J Obstet Gynaecol** 1986 Oct;93(10):1111–2
Selection of a physician for prenatal care. LeFevre M, et al. **J Fam Pract** 1987 Mar;24(3):275–9
[Prenatal preparation: characteristics of participants and nonparticipants] Dumont C, et al. **Can J Public Health** 1986 Sep–Oct;77(5):354–8 (Eng. Abstr.) **(Fre)**
[Prepartal expectations, behavior in labor and the puerperium and postpartal satisfaction with the labor experience. I. Significance of partner and prenatal preparation] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):432–4 (Eng. Abstr.) **(Ger)**
[The course of labor in women after psychopreventive prenatal care] Lepecka-Klusek C, et al. **Wiad Lek** 1986 Sep 1;39(17):1164–8 (Eng. Abstr.) **(Pol)**

STANDARDS

Source of prenatal care and infant birth weight: the case of a North Carolina county. Buescher PA, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):204–10
Antepartum testing for vasa previa: current standard of care. Messer RH, et al. **Am J Obstet Gynecol** 1987 Jun; 156(6):1459–62
Can low birth weight be prevented? Brown SS. **Fam Plann Perspect** 1985 May–Jun;17(3):112–8
Timing of prenatal care in the United States: how accurate are our measurements? Forrest JD, et al. **Health Serv Res** 1987 Jun;22(2):235–53
Changing approaches in women's health: new insights and new pitfalls in prenatal preventive care. Romito P, et al. **Int J Health Serv** 1987;17(2):241–58
Teenage pregnancy in an urban hospital setting. Davis JK, et al. **J Community Health** 1986 Winter;11(4):259–67
[The significance of specific perinatal mortality in the evaluation of the quality of perinatal care] Stembera Z. **Cesk Gynekol** 1986 Sep;51(8):644–51 **(Cze)**
[Clinical aspects in the monitoring of pregnancy and childbirth] Bayer H. **Gynakol Rundsch** 1986;26 Suppl 2:22–7 **(Ger)**

TRENDS

WIC prenatal participation and its relation to pregnancy outcomes in Missouri: a second look. Stockbauer JW. **Am J Public Health** 1987 Jul;77(7):813–8
Programs to assist indigent pregnant women. **Iowa Med** 1986 Sep;76(9):438–9
Preconception—a much neglected aspect of perinatal care. Leonard TA. **Wis Med J** 1987 Jan;86(1):13–7
[Medico-social aspects of protection of the fetus and newborn infant] Luk'ianova EM. **Vestn Akad Med Nauk SSSR** 1987;(4):19–23 **(Rus)**

UTILIZATION

The need for prenatal care in the United States: evidence from the 1980 National Natality Survey. Singh S, et al. **Fam Plann Perspect** 1985 May–Jun;17(3):118–24

PRENATAL DIAGNOSIS

Postnatal and prenatal diagnosis of Maroteaux-Lamy syndrome. Rogoyski A, et al. **Acta Anthropogenet** 1985; 9(1–3):109–16
Ultrasonic diagnosis of fetal ascites and toxoplasmosis. Blaakaer J. **Acta Obstet Gynecol Scand** 1986;65(6):653–4
Intra-uterine growth retardation and gestational age. Holmqvist P, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):633–8
Antenatal sonographic diagnoses of giant cystic hygroma of the neck. A problem for the clinician. Lyngbye T, et al. **Acta Obstet Gynecol Scand** 1986;65(8):873–5
Maternal TSH-receptor antibodies and TSH antibodies in screening for congenital hypothyroidism. Karlsson FA, et al. **Acta Paediatr Scand** 1986 Sep;75(5):756–61
alpha-Fetoprotein screening. Burton BK. **Adv Pediatr** 1986; 33:181–96 (49 ref.)
Fetal omphalocele and gastroschisis: a review of 24 cases. Bair JH, et al. **AJR** 1986 Nov;147(5):1047–51
Severe polyhydramnios: incidence of anomalies. Barkin SZ, et al. **AJR** 1987 Jan;148(1):155–9
Anorectal atresia: prenatal sonographic diagnosis. Harris RD, et al. **AJR** 1987 Aug;149(2):395–400
Significance of membrane thickness in the sonographic evaluation of twin gestations. Hertzberg BS, et al. **AJR** 1987 Jan;148(1):151–3
Sonographic analysis of the fetus with ureteropelvic junction obstruction. Kleiner B, et al. **AJR** 1987 Feb;148(2):359–63
Prenatal sonographic diagnosis of atrial hemangioma. Leithiser RE Jr, et al. **AJR** 1986 Dec;147(6):1207–8
Main-stem bronchial atresia: intrauterine sonographic diagnosis. McAlister WH, et al. **AJR** 1987 Feb;148(2):364–6
Multicystic dysplasia and crossed renal ectopia. Nussbaum AR, et al. **AJR** 1987 Aug;149(2):407–10
Diprosopus: diagnosis in utero. Okazaki JR, et al. **AJR** 1987 Jul;149(1):147–8
Routine obstetric ultrasound. Jack BW, et al. **Am Fam Physician** 1987 May;35(5):173–82
Ethics and prenatal testing [letter] Jackson R Jr. **Am Fam Physician** 1987 Aug;36(2):49
Prenatal testing for maternal serum alpha-fetoprotein. Schwager EJ, et al. **Am Fam Physician** 1987 Apr; 35(4):169–74
Pediatrics and intrauterine detection of fetal disorders [editorial] Nadler HL. **Am J Dis Child** 1987 Feb;141(2):138
Prenatal diagnosis of sickle hemoglobinopathies: the experience of the Columbia University Comprehensive Center for Sickle Cell Disease. Driscoll MC, et al. **Am J Hum Genet** 1987 Jun;40(6):548–58
Fetal hexosaminidase A in mother's serum: pitfalls for carrier detection and prospects for prenatal diagnoses of GM2 gangliosidoses [letter] Navon R, et al. **Am J Hum Genet** 1987 Jan;40(1):60–1
Maternal serum alpha-fetoprotein and fetal trisomy-21 in women 35 years and older: implications for alpha-fetoprotein screening programs. Ashwood ER, et al. **Am J Med Genet** 1987 Mar;26(3):531–9
Preclinical testing in Huntington disease [letter] Bloch M, et al. **Am J Med Genet** 1987 Jul;27(3):733–4
Midtrimester sonographic diagnosis of mandibulofacial dysostosis. Crane JP, et al. **Am J Med Genet** 1986 Oct; 25(2):251–5
Prenatal ultrasound diagnosis of diastrophic dysplasia at 16 weeks. Gollop TR, et al. **Am J Med Genet** 1987 Jun; 27(2):321–4
Prenatal detection of intestinal obstructions, aneuploidy syndromes, and cystic fibrosis by microvillar enzyme assays (disaccharidases, alkaline phosphatase, and glutamyltransferase) in amniotic fluid. Morin PR, et al. **Am J Med Genet** 1987 Feb;26(2):405–15
A case of the Neu-Laxova syndrome: prenatal ultrasonographic monitoring in the third trimester and the histopathological findings. Muller LM, et al. **Am J Med Genet** 1987 Feb;26(2):421–9
Prenatal diagnosis policy without routine amniocentesis in pregnancies with a positive family history for neural tube defects. Papp Z, et al. **Am J Med Genet** 1987 Jan; 26(1):103–10
Prenatal diagnosis of bloody amniotic fluid [letter] Subrt I. **Am J Med Genet** 1987 May;27(1):237
Microcephaly: genetic counselling and antenatal diagnosis after the birth of an affected child. Tolmie JL, et al. **Am J Med Genet** 1987 Jul;27(3):583–94
Plasma/serum myoglobin in prenatal diagnosis of Duchenne muscular dystrophy [letter] Török O, et al. **Am J Med Genet** 1986 Oct;25(2):237–8
Acute fetal distress associated with percutaneous umbilical blood sampling. Benacerraf BR, et al. **Am J Obstet Gynecol** 1987 May;156(5):1218–20
Antepartum predictors of fetal distress in postterm pregnancy. Bochner CJ, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):353–8
Early third-trimester ultrasound screening in gestational diabetes to determine the risk of macrosomia and labor dystocia at term. Bochner CJ, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):703–8

Positive amniotic fluid acetylcholinesterase: distinguishing between open spina bifida and ventral wall defects. Burton BK. **Am J Obstet Gynecol** 1986 Nov;155(5):984–6

Antenatal diagnosis of fetal seizure activity with use of real–time ultrasound. Conover WB, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):846–7

Fetal echocardiographic screening for congenital heart disease: the importance of the four–chamber view. Copel JA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):648–55

Reliable criteria for the prenatal sonographic diagnosis of alobar holoprosencephaly. Greene MF, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):687–9

Fetal cardiac tumor: a prenatal echocardiographic marker for tuberous sclerosis. Gresser CD, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):689–90

Sacrococcygeal teratoma: prenatal diagnosis and management. Gross SJ, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):393–6

The prenatal diagnosis of ventral abdominal wall defects. Hasan S, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):842–5

Percutaneous ultrasound–guided fetal blood sampling in the management of nonimmune hydrops fetalis. Hsieh FJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):44–9

Ultrasonic ratio of fetal thoracic to abdominal circumference: an association with fetal pulmonary hypoplasia. Johnson A, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):764–9

Selection and validation of alpha–fetoprotein assay kits for the screening of Down syndrome [letter] Knight GJ, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1557–9

Antenatal sonography of fetal malformations associated with drugs and chemicals: a guide. Koren G, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):79–85

Genetic implications of idiopathic hydramnios. Landy HJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):114–7

Sonographic features of the triploid fetus. Lockwood C, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):285–7

Maternal serum alpha–fetoprotein screening, maternal weight, and detection efficiency. Macri JN, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):758–60

Maternal serum alpha–fetoprotein screening. II. Pitfalls in low–volume decentralized laboratory performance. Macri JN, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):533–5

Fetal biophysical profile scoring: selective use of the nonstress test. Manning FA, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):709–12

Prevention of neonatal group B streptococcal sepsis by the use of a rapid screening test and selective intrapartum chemoprophylaxis. Morales WJ, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):979–83

Fetal pulmonary hypoplasia with hydrothorax. Murayama K, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):119–20

Ultrasound evaluation of tachycardia–induced hydrops in the fetal lamb. Nimrod C, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):655–9

Fetal cerebellar growth unaffected by intrauterine growth retardation: a new parameter for prenatal diagnosis. Reece EA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):632–8

Changes in intracardiac Doppler blood flow velocities in fetuses with absent umbilical artery diastolic flow. Reed KL, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):774–9

The use of a rapid in situ technique for third–trimester diagnosis of trisomy 18. Rochelson BL, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):835–6

Prenatal diagnosis and management of congenital defects of the anterior abdominal wall. Sermer M, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):308–12

Monoamniotic twins: antenatal diagnosis and management. Sutter J, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):836–7

Ultrasonically evident fetal nuchal skin thickening: is it specific for Down syndrome? Toi A, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):150–3

The use and misuse of the fetal biophysical profile. Vintzileos AM, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):527–33

The nonpredictive value of fetal urinary electrolytes: preliminary report of outcomes and correlations with pathologic diagnosis. Wilkins IA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):694–8

Intrauterine intestinal volvulus with hemoperitoneum presenting as fetal distress at 34 weeks' gestation. Witter FR, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1080–1

Third trimester ultrasonic presentation of infantile polycystic kidney disease. Argubright KF, et al. **Am J Perinatol** 1987 Jan;4(1):1–4

Ultrasound in obstetric decision making. How accurate are late ultrasound scans in gestational age and fetal weight assessment? Catanzarite VA, et al. **Am J Perinatol** 1987 Apr;4(2):147–51

Imaging case of the month. Cephalothoracopagus syncephalus (fused head and thorax with one face). Coblentz MG, et al. **Am J Perinatol** 1986 Oct;3(4):357–9

Criteria for the prenatal diagnosis of holoprosencephaly. Pilu G, et al. **Am J Perinatol** 1987 Jan;4(1):41–9

Intrapartum management of the fetus with idiopathic hydrocephalus. Silver RK, et al. **Am J Perinatol** 1987 Jan; 4(1):16–9

Congenital midline porencephaly. Prenatal sonographic findings and review of the literature. Vintzileos AM, et al. **Am J Perinatol** 1987 Apr;4(2):125–8

Prenatal screening and pregnant women's attitudes toward the abortion of defective fetuses. Faden RR, et al. **Am J Public Health** 1987 Mar;77(3):288–90

Prenatal diagnosis of non–ketotic hyperglycinaemia:amniotic fluid glycine and glycine:serine ratios. Smythe PJ, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):203–4

Multicystic dysplastic kidney: evolving concepts. In utero diagnosis and post–natal follow–up by ultrasound. Avni EF, et al. **Ann Radiol (Paris)** 1986;29(8):663–8

The ethical dimensions of policy for prenatal diagnostic technologies: the case of maternal serum alpha–fetoprotein screening. Fry ST. **ANS** 1987 Apr;9(3):44–55

Chromosome polymorphisms: methodology and application in cytogenetic prenatal diagnosis. Luperini–Rossi S, et al. **Arch Invest Med (Mex)** 1986 Apr–Jun;17(2):187–202 **(Eng, Spa)**

Antenatal diagnosis and in utero treatment of fetal arrhythmia. Hata T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):251–8

Chorion villi for first trimester prenatal diagnosis. Liu DT. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):451–5

Antenatal diagnosis of fetus in fetu. Sada I, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):353–6

Cytology of fetal ascites and antenatal diagnosis of meconium peritonitis. Shimokawa H, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):513–6

Abnormal antepartum cardiotocography and major fetal abnormalities. Ayodeji OF, et al. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):120–3

Re: Chorionic villus sampling. Clinical experience in 50 diagnostic cases [letter] Benzie RJ. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):76–7

Ectopia vesicae in utero. Verco PW, et al. **Australas Radiol** 1986 May;30(2):117–20

Decision making in Huntington's disease and cystic fibrosis. Evers–Kiebooms G. **Birth Defects** 1987;23(2):115–49

Impact of genetic counseling and prenatal diagnosis for Down syndrome and neural tube defects. Swerts A. **Birth Defects** 1987;23(2):61–83

Hemophilia A: carrier detection and prenatal diagnosis by DNA analysis. Pecorara M, et al. **Blood** 1987 Aug; 70(2):531–5

An assessment of the usefulness of electrophoretic variants of esterase–D in the antenatal diagnosis of retinoblastoma in the United Kingdom. Cowell JK, et al. **Br J Cancer** 1987 Jun;55(6):661–4

Bayesian analysis of DNA haplotype associations in beta thalassaemia and applications to prenatal diagnosis [letter] Lin HJ, et al. **Br J Haematol** 1987 May;66(1):146–8

The effect of estimating gestational age by ultrasound cephalometry on the sensitivity of alpha–fetoprotein screening for Down's syndrome. Cuckle HS, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):274–6

Uptake of amniocentesis in women aged 38 years or more by the time of the expected date of delivery: a two–year retrospective study. Knott PD, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1246–50

Conjoined twins. Antenatal ultrasound diagnosis and a review of the literature. Fitzgerald EJ, et al. **Br J Radiol** 1985 Nov;58(695):1053–6

Fetoscopy. Rodeck CH, et al. **Br Med Bull** 1986 Jul; 42(3):296–300 (25 ref.)

Doppler studies in the growth retarded fetus and prediction of neonatal necrotising enterocolitis, haemorrhage, and neonatal morbidity. Hackett GA, et al. **Br Med J** 1987 Jan 3;294(6563):13–6

Detection of abnormality of fetal urinary tract as a predictor of renal tract disease. Smith D, et al. **Br Med J** 1987 Jan 3;294(6563):27–8

Prenatal diagnosis of the Turner syndrome: what to tell the parents [editorial] Connor JM. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):711–2

Obstetric ultrasound: getting good vibrations [editorial] Lind T. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):576–7

The Quebec Network of Genetic Medicine. Charbonneau M, et al. **Can J Public Health** 1987 Mar–Apr;78(2):79–83

First–trimester fetal diagnosis: prudential ethics [letter] Bennett MJ. **Can Med Assoc J** 1986 Dec 15;135(12):1336–7

First–trimester fetal diagnosis: prudential ethics [letter] Chalmers I. **Can Med Assoc J** 1987 Mar 15;136(6):563–4

Neonatal outcome of fetuses with urinary tract abnormalities diagnosed by prenatal ultrasonography. Steele BT, et al. **Can Med Assoc J** 1987 Jul 15;137(2):117–20

Prevalence and prenatal diagnosis of neural tube defects in Nova Scotia in 1980–84. Winsor EJ, et al. **Can Med Assoc J** 1986 Dec 1;135(11):1269–73

Detection and quantitation of constriction of the fetal ductus arteriosus by Doppler echocardiography. Huhta JC, et al. **Circulation** 1987 Feb;75(2):406–12

Prenatal diagnosis and postnatal management of critical aortic stenosis. Huhta JC, et al. **Circulation** 1987 Mar;75(3):573–6

Evaluating the clinical effectiveness of amniotic fluid assays in predicting respiratory distress syndrome in the neonate. Amenta JS, et al. **Clin Chem** 1987 May;33(5):647–52

Evaluation of an enhanced luminescence assay for alpha–fetoprotein. John R, et al. **Clin Chem** 1986 Nov; 32(11):2066–9

Assay of disaturated phosphatidylcholine in amniotic fluid as a test of fetal lung maturity: experience with 2000 analyses. Tsai MY, et al. **Clin Chem** 1987 Sep;33(9):1648–51

Determination of neuron specific enolase in amniotic fluid and maternal serum for the prenatal diagnosis of fetal neural tube defects. Sorensen K, et al. **Clin Chim Acta** 1987 Jan 15;162(1):101–4

Value of glial fibrillary acidic protein determination in amniotic fluid for prenatal diagnosis of neural tube defects. Van Regemorter N, et al. **Clin Chim Acta** 1987 May 29; 165(1):83–8

Measurement of TSH in human amniotic fluid: diagnosis of fetal thyroid abnormality in utero. Yoshida K, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):313–8

Detailed ultrasound as a screening method for craniospinal abnormalities. Greco P, et al. **Clin Exp Obstet Gynecol** 1987;14(2):115–8

An evaluation of maternal cell contamination in cultures of chorionic villi for the prenatal diagnosis of chromosome abnormalities. Cooke HM, et al. **Clin Genet** 1986 Dec; 30(6):485–93

First trimester diagnosis of Pompe's disease (glycogenosis type II) with normal outcome: assay of acid alpha–glucosidase in chorionic villous biopsy using antibodies. Grubisic A, et al. **Clin Genet** 1986 Oct; 30(4):298–301

Type III congenital cystic adenomatoid malformation of the lung: another cause of elevated alpha fetoprotein? Petit P, et al. **Clin Genet** 1987 Sep;32(3):172–4

Prenatal diagnosis in Becker muscular dystrophy. Wood S, et al. **Clin Genet** 1987 Jan;31(1):45–7

Chorion villus biopsy. Lilford RJ. **Clin Obstet Gynaecol** 1986 Sep;13(3):611–32 (82 ref.)

Congenital oral tumor associated with neurofibromatosis detected by prenatal ultrasound. Hoyme HE, et al. **Clin Pediatr (Phila)** 1987 Jul;26(7):372–4

Diagnosing congenital malformation in utero: ultrasound. Chervenak FA, et al. **Clin Perinatol** 1986 Sep;13(3):593–607 (31 ref.)

Ethical aspects of prenatal diagnosis: views of U.S. medical geneticists. Fletcher JC, et al. **Clin Perinatol** 1987 Jun; 14(2):293–312 (62 ref.)

Prenatal diagnosis of heritable skin diseases. **Curr Probl Dermatol** 1987;16:1–216

Prenatal diagnosis of inherited epidermolyses. Anton–Lamprecht I, et al. **Curr Probl Dermatol** 1987; 16:146–57 (22 ref.)

Prenatal diagnosis of epidermal disorders. Arnold ML, et al. **Curr Probl Dermatol** 1987;16:120–8 (18 ref.)

Prenatal diagnosis of mutagen–hypersensitivity syndromes. Auerbach AD. **Curr Probl Dermatol** 1987;16:197–209 (53 ref.)

Use of morphological markers in carriers as an aid in genetic counselling and prenatal diagnosis. Blanchet–Bardon C, et al. **Curr Probl Dermatol** 1987;16:109–19

Prenatal diagnosis of immunodeficiency diseases. Borzy MS. **Curr Probl Dermatol** 1987;16:185–96 (34 ref.)

Molecular basis of inherited disorders of collagen biosynthesis: implications for prenatal diagnosis. Byers PH, et al. **Curr Probl Dermatol** 1987;16:158–74 (34 ref.)

Chorionic villus sampling in first trimester and fetoscopy in second trimester. Gustavii B. **Curr Probl Dermatol** 1987; 16:23–9 (8 ref.)

Experience with first trimester prenatal diagnosis of Menkes disease. Tønnesen T, et al. **Curr Probl Dermatol** 1987; 16:175–84

Prenatal diagnosis and screening. Sybert VP, et al. **Dermatol Clin** 1987 Jan;5(1):17–41 (139 ref.)

The dilemma in prenatal diagnosis of idiopathic microcephaly. Jaffe M, et al. **Dev Med Child Neurol** 1987 Apr;29(2):187–9

Ultrasonic real–time diagnosis of transitory fetal pleural and pericardial effusion. Jaffe R, et al. **Diagn Imag Clin Med** 1986;55(6):373–5

The evaluation of maternal anti–D concentrations during pregnancy. Filbey D, et al. **Early Hum Dev** 1987 Jan; 15(1):1–9

Re: Prevention of low birthweight [letter] De Muylder X. **East Afr Med J** 1986 Jun;63(6):439

Fetal blood sampling by fetoscopy in pregnant ewes. Aarnoudse JG, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):105–8

Fetal breathing movements in the normal and growth–retarded human fetus: a multiscan/M–mode echofetographic study. Bots RS, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):21–9

The importance of early prenatal diagnosis of thanatophoric dysplasia with respect to obstetric management. Loong EP. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):145–52

Electrolyte composition of the amniotic fluid in Bartter syndrome. Massa G, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Apr;24(4):335–40

Controlled trial of ultrasound screening for light for gestational age (LGA) infants in late pregnancy. Secher NJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec; 23(5–6):307–13

Estimation of fetal weight in the third trimester by ultrasound. Secher NJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):1–11

Puncture of unilateral renal cyst in utero. Temmerman M, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1–2):107–10

Antenatal ultrasonographic diagnosis of a congenital posterolateral diaphragmatic defect. van den Born–van den Broek ME, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):139–44

Prenatal diagnosis of "dihydrobiopterin synthetase" deficiency, a variant form of phenylketonuria. Niederwieser A, et al. **Eur J Pediatr** 1986 Aug;145(3):176–8

Prenatal diagnosis of Zellweger syndrome and related disorders: impaired degradation of phytanic acid. Poulos

A, et al. **Eur J Pediatr** 1986 Dec;145(6):507–10
First trimester fetal karyotyping using chorionic villi: technical development and diagnostic application. Simoni G, et al. **Experientia** 1986 Oct 15;42(10):1097–101 (24 ref.)
Ultrasound detection of antenatal meconium. Agarwal N, et al. **Gynecol Obstet Invest** 1987;23(1):67–9
Ultrasonographic identification of the human fetal gallbladder in utero. Hata K, et al.
Gynecol Obstet Invest 1987;23(2):79–83
Ultrasonographic in utero identification and measurement of the normal fetal spleen. Hata T, et al.
Gynecol Obstet Invest 1987;23(2):124–8
Characteristic pattern of Doppler umbilical arterial velocity waveform in conjoint twins. Woo JS, et al.
Gynecol Obstet Invest 1987;23(1):70–2
Beta-thalassaemia in Campania: frequency of mutation identified by RSA I restriction enzyme: diagnostic aspects. Fioretti G, et al. **Haematologica (Pavia)** 1986 Nov–Dec; 71(6):445–51
Prenatal diagnosis of hemophilia by fetal blood sampling under ultrasound guidance. Forestier F, et al.
Haemostasis 1986;16(5):346–51
In California, voluntary mass prenatal screening. Steinbrook R. **Hastings Cent Rep** 1986 Oct;16(5):5–7
Intra-abdominal cysts detected at prenatal ultrasound screening. Helin I, et al. **Helv Paediatr Acta** 1985 Apr; 40(1):55–9
Prenatal diagnosis in 200 pregnancies with a 1-in-4 risk of cystic fibrosis. Boué A, et al. **Hum Genet** 1986 Nov; 74(3):288–97
De novo mutation in hemophilia A established by DNA haplotype analysis and precluding prenatal diagnosis. Delpech M, et al. **Hum Genet** 1986 Nov;74(3):316–7
Mid-trimester ultrasonographic diagnosis of early manifesting "adult" form of polycystic kidney disease [letter] Fryns JP, et al. **Hum Genet** 1986 Dec;74(4):461
Prenatal diagnosis of X-linked choroideremia with mental retardation, associated with a cytologically detectable X-chromosome deletion. Hodgson SV, et al.
Hum Genet 1987 Mar;75(3):286–90
Approaches to the prenatal diagnosis of the Prader-Willi syndrome [letter] Schinzel A. **Hum Genet** 1986 Nov; 74(3):327
Prenatal diagnosis of cystic fibrosis using linked DNA markers and microvillar intestinal enzyme analysis. Spence JE, et al. **Hum Genet** 1987 May;76(1):5–10
Prenatal diagnosis of a 46,XX,inv(12)pat/47,XX,i(Xq),inv(12)pat. Varela M, et al. **Hum Genet** 1987 Jan;75(1):93–4
New frontiers in neonatal neuropathology [editorial] Wagner BM. **Hum Pathol** 1987 Jan;18(1):1–2
Current status of first trimester fetal diagnosis of genetic diseases. Brambati B. **Hum Reprod** 1986 Aug;1(5):333–4
Chorion villus sampling in Europe. Durand P.
Hum Reprod 1986 Aug;1(5):341–4
Prenatal diagnosis of genetic disease by chorionic villi sampling. Bartels I, et al. **Indian J Pediatr** 1986 Jul–Aug; 53(4):489–97
Chorionic villus sampling: first trimester prenatal diagnosis. Bombard AT, et al. **Indian J Pediatr** 1986 Nov–Dec; 53(6):747–59
DNA polymorphism and clinical genetics. Chakraborty R. **Indian J Pediatr** 1986 Nov–Dec;53(6):781–90
Fetal phenotypic analysis. Elejalde BR, et al.
Indian J Pediatr 1986 Jul–Aug;53(4):477–88
Ultrasound-antenatal diagnosis of urethral obstruction. Suresh S, et al. **Indian J Pediatr** 1987 Mar–Apr;54(2):280–1
The contemporary role of fetoscopy in prenatal diagnosis of genetic disorders. Zwinger A. **Indian J Pediatr** 1986 Nov–Dec;53(6):791–4
Prenatal diagnosis of hereditary microcephaly [letter] Patel ZM. **Indian Pediatr** 1985 Aug;22(8):630–1
Prenatal diagnosis of intrauterine rubella. Enders G, et al. **Infection** 1987 May–Jun;15(3):162–4
Sonographic assessment of foetal health: antenatal identification of the structurally anomalous foetus. Chamberlain P, et al. **Ir Med J** 1987 Apr;80(4):113–6
The diagnosis of intrauterine growth retardation and its influence on perinatal outcome. Hogan G, et al.
Ir Med J 1987 Feb;80(2):63–5
Prenatal diagnosis of congenital methemoglobinemia with mental retardation. Kaftory A, et al. **Isr J Med Sci** 1986 Nov;22(11):837–40
Bizarre fetal heart rate associated with congenital heart malformation. Katz M, et al. **Isr J Med Sci** 1986 Jun; 22(6):473–4
Pulmonary atresia in prenatal life. Allan LD, et al.
J Am Coll Cardiol 1986 Nov;8(5):1131–6
Diagnosis of fetal arrhythmias using echocardiographic and Doppler techniques. Steinfeld L, et al.
J Am Coll Cardiol 1986 Dec;8(6):1425–33
The ultrasonographic features of nonimmune hydrops fetalis: a study of 30 successive patients. Brown BS.
J Can Assoc Radiol 1986 Sep;37(3):164–8
Prenatal and immediate postnatal ultrasonographic diagnosis of ureterocele. Fitzsimons PJ, et al. **J Can Assoc Radiol** 1986 Sep;37(3):189–91
Prenatal diagnosis of type III congenital cystic adenomatoid malformation of the lung. Carles D, et al.
J Genet Hum 1986 Aug;34(3–4):339–41
Pompe's disease in Chinese and prenatal diagnosis by determination of alpha-glucosidase activity. Lin CY, et al. **J Inherited Metab Dis** 1987;10(1):11–7
Prenatal diagnosis of the fetus at risk for beta-thalassemia/hemoglobin E disease: a report of the first case in Thailand. Kanokpongsakdi S, et al.
J Med Assoc Thai 1987 Jan;70(1):38–43
Prenatal diagnosis and female abortion: a case study in medical law and ethics. Dickens BM. **J Med Ethics** 1986 Sep;12(3):143–4, 150
Pitfalls in prenatal diagnosis of beta thalassaemia. Rosatelli C, et al. **J Med Genet** 1986 Oct;23(5):456–8
Prenatal prediction of osteogenesis imperfecta (OI type IV): exclusion of inheritance using a collagen gene probe. Tsipouras P, et al. **J Med Genet** 1987 Jul;24(7):406–9
Prenatal diagnosis. Suidan J. **J Med Liban** 1986;36(2):62–4
Neural tube defects: epidemiology, detection, and prevention. Cohen FL. **J Obstet Gynecol Neonatal Nurs** 1987 Mar–Apr; 16(2):105–15 (63 ref.)
Feasibility of prenatal diagnosis of nonketotic hyperglycinemia: existence of the glycine cleavage system in placenta. Hayasaka K, et al. **J Pediatr** 1987 Jan; 110(1):124–6
Ureteropelvic junction obstruction in the fetus. Flake AW, et al. **J Pediatr Surg** 1986 Dec;21(12):1058–63
Antenatal assessment of fetal outcome in pregnant diabetics. Burkart W, et al. **J Perinat Med** 1986;14(5):293–7
The fetus with an abdominal wall defect: management and outcome. Calisti A, et al. **J Perinat Med** 1987;15(1):105–11
Perinatal management of fetal hydronephrosis with normal bladder. Nicolini U, et al. **J Perinat Med** 1987;15(1):53–60
Ultrasound scanning in women with raised serum alpha fetoprotein: short term psychological effect. Tsoi MM, et al. **J Psychosom Res** 1987;31(1):35–9
Sonographic findings in the prenatal diagnosis of cephalothoracopagus syncephalus. A case report. Brenbridge AN, et al. **J Reprod Med** 1987 Jan;32(1):59–62
Antenatal detection of hypoplastic right ventricle with fetal M-mode echocardiography. A report of two cases. Grundy H, et al. **J Reprod Med** 1987 Apr;32(4):301–4
Utility of a screening examination of the fetal cardiac position and four chambers during obstetric sonography. Hegge FN, et al. **J Reprod Med** 1987 May;32(5):353–8
Fetal outcome after intraamniotic hemorrhage with placental abruption. A report of three cases. Hill LM, et al.
J Reprod Med 1986 Nov;31(11):1065–70
Severe nonimmune fetal hydrops with fetal survival. A case report. Lenke RR, et al. **J Reprod Med** 1986 Nov; 31(11):1051–4
Fetal ventriculomegaly and brain atrophy in a woman with intrauterine cytomegalovirus infection. A case report. Mittelmann-Handwerker S, et al. **J Reprod Med** 1986 Nov; 31(11):1061–4
Antenatal diagnosis and obstetric management of Dandy-Walker syndrome. Pilu G, et al. **J Reprod Med** 1986 Nov;31(11):1017–22
Perinatal management strategies for fetal gastroschisis. Cardwell MS. **J Tenn Med Assoc** 1987 Apr;80(4):201–2
Sonographic diagnosis of the bilobate placenta. Angtuaco TL, et al. **J Ultrasound Med** 1986 Nov;5(11):672–4
Asymptomatic cysts of the fetal choroid plexus in the second trimester. Benacerraf BR. **J Ultrasound Med** 1987 Aug; 6(8):475–8
Prenatal ultrasonic diagnosis of congenital duplication of the stomach. Bidwell JK, et al. **J Ultrasound Med** 1986 Oct; 5(10):589–91
Antenatal sonographic detection of benign dacrocystoceles (lacrimal duct cysts). Davis WK, et al.
J Ultrasound Med 1987 Aug;6(8):461–5
Prenatal sonographic diagnosis of a suprasellar arachnoid cyst. Diakoumakis EE, et al. **J Ultrasound Med** 1986 Sep; 5(9):529–30
Meconium peritonitis masquerading as fetal hydrops. Dillard JP, et al. **J Ultrasound Med** 1987 Jan;6(1):49–51
Fetal gastric pseudomasses. Fakhry J, et al.
J Ultrasound Med 1987 Apr;6(4):177–80
Increased echogenicity in the lower fetal abdomen: a common normal variant in the second trimester. Fakhry J, et al. **J Ultrasound Med** 1986 Sep;5(9):489–92
Cortical sulcal development [letter] Fischer AQ.
J Ultrasound Med 1986 Oct;5(10):592
Utility of a screening examination of the fetal extremities during obstetrical sonography. Hegge FN, et al.
J Ultrasound Med 1986 Nov;5(11):639–45
Antenatal diagnosis of fetal pelvic kidneys. Hill LM, et al. **J Ultrasound Med** 1987 Jul;6(7):393–6
Lobar holoprosencephaly with hydrocephalus: antenatal demonstration and differential diagnosis. Hoffman-Tretin JC, et al. **J Ultrasound Med** 1986 Dec;5(12):691–7
Giant fetal abdominal cyst. Ultrasonic diagnosis and management. Jaffe R, et al. **J Ultrasound Med** 1987 Jan; 6(1):45–7
Prenatal diagnosis of cystic CNS lesions in neonatal isoimmune thrombocytopenia. Lester RB 3d, et al.
J Ultrasound Med 1987 Aug;6(8):479–81
Antenatal sonographic detection of a fetal theca lutein cyst: a clue to maternal diabetes mellitus. Nguyen KT, et al.
J Ultrasound Med 1986 Nov;5(11):665–7
Dilated fetal bowel. A sonographic sign of cystic fibrosis. Nyberg DA, et al. **J Ultrasound Med** 1987 May;6(5):257–60
Prenatal sonographic diagnosis of a fetal facial hemangioma. Pennell RG, et al. **J Ultrasound Med** 1986 Sep;5(9):525–8
Antenatal sonographic appearance of omphalomesenteric duct cyst. Rosenberg JC, et al. **J Ultrasound Med** 1986 Dec;5(12):719–20
Placental changes in fetal triploidy syndrome. Rubenstein JB, et al. **J Ultrasound Med** 1986 Oct;5(10):545–50
Sonographic diagnosis of fetal cardiac rhabdomyoma. Schaffer RM, et al. **J Ultrasound Med** 1986 Sep;5(9):531–3
In utero sonographic demonstration of a caput succedaneum. Schwimer SR, et al. **J Ultrasound Med** 1986 Dec; 5(12):711–2
Early prenatal diagnosis of asphyxiating thoracic dysplasia (Jeune's syndrome). Value of fetal thoracic measurement. Skiptunas SM, et al. **J Ultrasound Med** 1987 Jan;6(1):41–3
Fetal hydrops associated with extralobar pulmonary sequestration. Thomas CS, et al. **J Ultrasound Med** 1986 Nov;5(11):668–71
Spontaneous resolution of fetal ventriculomegaly in a diabetic patient. Toi A. **J Ultrasound Med** 1987 Jan;6(1):37–9
Prenatal diagnosis of an unusual form of hypoplastic left heart syndrome. Vincent RN, et al. **J Ultrasound Med** 1987 May; 6(5):261–4
Alpha-fetoprotein screening and the standard of care [letter] Weiss BD. **JAMA** 1987 Jan 9;257(2):188–9
Prenatal diagnosis of multiple cardiac tumors presenting as an arrhythmia. Hoadley SD, et al. **JCU** 1986 Oct; 14(8):639–43
Prenatal ultrasound diagnosis of thoracopagus conjoined twins. Kalchbrenner M, et al. **JCU** 1987 Jan;15(1):59–63
Prenatal diagnosis of arteriovenous malformation of the vein of Galen. Reiter AA, et al. **JCU** 1986 Oct;14(8):623–8
Prenatal diagnosis of bilateral cystic adenomatoid malformation of the lung. Rempen A, et al. **JCU** 1987 Jan; 15(1):3–8
Ultrasound in twin gestation. Scheer K. **JCU** 1974 Sep; 2(3):197–9
Early prenatal diagnosis of cyclopia associated with holoprosencephaly. Tóth Z, et al. **JCU** 1986 Sep; 14(7):550–3
Is there a place for hysteroscopy in prenatal and intrapartum diagnosis? [editorial] **Lancet** 1987 Apr 25;1(8539):960–1
Alpha 1-antitrypsin deficiency and prenatal diagnosis [editorial] **Lancet** 1987 Feb 21;1(8530):421–2
Alpha 1-antitrypsin-related gene (ATR) for prenatal diagnosis [letter] Abbott CM, et al. **Lancet** 1987 Jun 20; 1(8547):1425–6
Screening for Down syndrome [letter] Ager RP, et al.
Lancet 1987 Sep 5;2(8558):566–7
Prenatal diagnosis of medium-chain acyl-CoA dehydrogenase deficiency in family with sudden infant death [letter] Bennett MJ, et al. **Lancet** 1987 Feb 21; 1(8530):440–1
First trimester prenatal exclusion of tuberous sclerosis [letter] Connor JM, et al. **Lancet** 1987 May 30;1(8544):1269
Peroxisomal alanine:glyoxylate aminotransferase and prenatal diagnosis of primary hyperoxaluria type 1 [letter] Danpure CJ. **Lancet** 1986 Nov 15;2(8516):1168
Reporting obstetric ultrasound. Furness ME. **Lancet** 1987 Mar 21;1(8534):675–6
Choroid plexus cysts and trisomy 18 [letter] Furness ME. **Lancet** 1987 Sep 19;2(8560):693
Maternal serum alpha-fetoprotein screening for Down syndrome and repeat testing [letter] Haddow JE, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1460
Chorionic villus sampling followed by genetic amniocentesis and septic shock [letter] Muggah HF, et al. **Lancet** 1987 Apr 11;1(8537):867–8
First-trimester fetal diagnosis for haemoglobinopathies: report on 200 cases. Old JM, et al. **Lancet** 1986 Oct 4; 2(8510):763–7
Choroid plexus cysts in the fetus [letter] Ostlere SJ, et al. **Lancet** 1987 Jun 27;1(8548):1491
Collaborative study of Down syndrome screening using maternal serum alpha-fetoprotein and maternal age [letter] Palomaki GE. **Lancet** 1986 Dec 20–27;2(8521–22):1460
Prenatal diagnosis of Bartter syndrome [letter] Proesmans W, et al. **Lancet** 1987 Feb 14;1(8529):394
Prenatal diagnosis of choroid plexus cysts [letter] Ricketts NE, et al. **Lancet** 1987 Jan 24;1(8526):213–4
Prenatal diagnosis in albinism [published erratum appears in Lancet 1987 Aug 15;2(8555):410] Taylor WO. **Lancet** 1987 Jun 6;1(8545):1307–8
Prenatal cytogenetic diagnosis--a current audit. A review of 2000 cases of prenatal cytogenetic diagnoses after amniocentesis, and comparisons with early experience. Bell JA, et al. **Med J Aust** 1987 Jan 5;146(1):12–5
Prenatal cytogenetic diagnosis. Amniotic cell culture versus chorionic villus sampling. Bell JA, et al. **Med J Aust** 1987 Jan 5;146(1):27–9
Molecular biology and the diagnosis of thalassaemia [editorial] Cauchi MN. **Med J Aust** 1987 May 4; 146(9):460–1
Prenatal diagnosis of genetic defects [editorial] Chen C.
Med J Aust 1987 Jan 5;146(1):3–4
Publicizing chorionic villus sampling [letter] Finikiotis G, et al. **Med J Aust** 1986 Nov 17;145(10):549
Fetal echocardiography: experience and reason. Sholler GF, et al. **Med J Aust** 1986 Mar 3;144(5):250–2
Antenatal diagnosis of thalassaemia [letter] Walters WA, et al. **Med J Aust** 1987 Feb 16;146(4):226
Recent progress of technology in obstetrics and gynecology, particularly in perinatal medicine in Japan. Maeda K.
Med Prog Technol 1987;12(3–4):197–211
The fragile X chromosome [letter] **N Engl J Med** 1987 Feb 19;316(8):483

Screening for fetal Down's syndrome in pregnancy by measuring maternal serum alpha-fetoprotein levels. DiMaio MS, et al. **N Engl J Med** 1987 Aug 6;317(6):342–6

Prenatal diagnosis of ornithine transcarbamylase deficiency with use of DNA polymorphisms. Fox J, et al. **N Engl J Med** 1986 Nov 6;315(19):1205–8

Maternal alpha-fetoprotein screening for Down's syndrome [editorial] Pueschel SM. **N Engl J Med** 1987 Aug 6; 317(6):376–8

Sex of new embryos known [news] Johnston K. **Nature** 1987 Jun 18–24;327(6123):547

Prenatal detection of an inherited Duchenne muscular dystrophy deletion allele [letter] Bartlett RJ, et al. **Neurology** 1987 Feb;37(2):355–6

Cardiac output in a fetus with erythroblastosis fetalis: assessment using pulsed Doppler. Barss VA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):442–4

The role of antepartum testing in the management of postterm pregnancies with heavy meconium in early labor. Bochner CJ, et al. **Obstet Gynecol** 1987 Jun;69(6):903–7

Clinical interpretation of ultrasound measurements in preterm pregnancies with premature rupture of the membranes. Bottoms SF, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):358–62

Perinatal listeriosis (early-onset): correlation of antenatal manifestations and neonatal outcome. Boucher M, et al. **Obstet Gynecol** 1986 Nov;68(5):593–7

Ultrasonic recognition of the small-for-gestational-age fetus. Brown HL, et al. **Obstet Gynecol** 1987 Apr;69(4):631–5

Fetal malignant melanoma: ultrasound presentation and review of the literature. Campbell WA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):434–9

Fetal echocardiography: the prenatal diagnosis of a ventricular septal defect in a 14-week fetus with pulmonary artery hypoplasia. DeVore GR, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):494–7

Duplex Doppler ultrasound in the evaluation of growth in twin pregnancies. Gerson AG, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):419–23

Fetal omphalocele: associated malformations and chromosomal defects. Gilbert WM, et al. **Obstet Gynecol** 1987 Oct;70(4):633–5

Severe fetal supraventricular bradyarrhythmia without fetal hypoxia. Minagawa Y, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):454–6

Combined use of alpha-fetoprotein and ultrasound in the prenatal diagnosis of arteriovenous fistula in the brain. Mizejewski GJ, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):452–3

Intrinsic intrathoracic malformations of the fetus: sonographic detection and clinical presentation. Reece EA, et al. **Obstet Gynecol** 1987 Oct;70(4):627–32

The four-quadrant assessment of amniotic fluid volume: an adjunct to antepartum fetal heart rate testing. Rutherford SE, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):353–6

Maternal serum alpha-fetoprotein screening in 1987 [editorial] Simpson JL, et al. **Obstet Gynecol** 1987 Jan; 69(1):134–5

Ultrasonic diagnosis of discordant fetal growth in twin gestations. Storlazzi E, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):363–7

The pregnant hepatitis B carrier: evidence favoring comprehensive antepartum screening. Summers PR, et al. **Obstet Gynecol** 1987 May;69(5):701–4

Perinatal management and outcome of fetal ventriculomegaly. Vintzileos AM, et al. **Obstet Gynecol** 1987 Jan;69(1):5–11

Antenatal evaluation and management of ultrasonically detected fetal anomalies. Vintzileos AM, et al. **Obstet Gynecol** 1987 Apr;69(4):640–60 (60 ref.)

Ultrasound evaluation of the distal femoral epiphyseal ossification center as a screening test for intrauterine growth retardation. Zilianti M, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):361–4

Second trimester diagnosis of fetal skeletal dysplasias. Donnenfeld AE, et al. **Obstet Gynecol Surv** 1987 Apr; 42(4):199–217 (56 ref.)

Fetal pulmonary maturity and antenatal diagnosis of respiratory distress syndrome. Weiner SA, et al. **Obstet Gynecol Surv** 1987 Feb;42(2):75–81 (44 ref.)

Hereditary cataract. Perspective for prenatal screening. Lubsen NH, et al. **Ophthalmic Paediatr Genet** 1986 Dec; 7(3):195–200

The dilemma of intrauterine diagnosis of congenital renal disease. Grupe WE. **Pediatr Clin North Am** 1987 Jun; 34(3):629–38 (57 ref.)

Blood group antigens on fetal red cells obtained by umbilical vein puncture under ultrasound guidance: a rapid hemagglutination test to check for contamination with maternal blood. Habibi B, et al. **Pediatr Res** 1986 Nov; 20(11):1082–4

Prenatal diagnosis of urinary tract abnormalities by ultrasound. Helin I, et al. **Pediatrics** 1986 Nov;78(5):879–83

Prenatal screening for fetal abnormalities. Slack J. **Practitioner** 1986 Aug;230(1418):711–6

Cultured amniotic fluid cells for prenatal diagnosis of lysosomal storage disorders: a methodological study. Arnon J, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):351–61

Prenatal diagnosis of trisomy 20 mosaicism indicating an extra embryonic origin. Baldinger S, et al. **Prenat Diagn** 1987 May;7(4):273–6

Prenatal diagnosis of medium-chain acyl-coenzyme A dehydrogenase deficiency. Bennett MJ, et al. **Prenat Diagn** 1987 Feb;7(2):135–41

Abnormal karyotype in the chorion, not confirmed in a subsequently aborted fetus. Breed A, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):375–7

Misdiagnosis of omphalocele associated with Edwards syndrome and congenital heart disease. Colley N, et al. **Prenat Diagn** 1987 Jun;7(5):377–81

Prenatal diagnosis of alpha-1-antitrypsin deficiency by fetal blood sampling. Corney G, et al. **Prenat Diagn** 1987 Feb; 7(2):101–8

Prospective risk in reciprocal translocation heterozygotes at amniocentesis as determined by potential chromosome imbalance sizes. Data of the European Collaborative Prenatal Diagnosis Centres. Daniel A, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):315–50

Prenatal diagnosis of severe combined immunodeficiency with defective synthesis of HLA molecules. Durandy A, et al. **Prenat Diagn** 1987;7(1):27–34

Ultrasound evaluation of pregnancies at risk for homozygous alpha-thalassaemia-1. Ghosh A, et al. **Prenat Diagn** 1987 Jun;7(5):307–13

Prenatal diagnosis of thalidomide syndrome. Gollop TR, et al. **Prenat Diagn** 1987 May;7(4):295–8

Antenatal diagnosis of a de novo paracentric inversion of chromosome 11. Grass FS, et al. **Prenat Diagn** 1987;7(1):1–5

Parental decisions regarding termination of pregnancy following prenatal detection of sex chromosome abnormality. Holmes-Siedle M, et al. **Prenat Diagn** 1987 May;7(4):239–44

Prenatal detection of a de novo duplication of the long arm of chromosome 7. Howard PJ. **Prenat Diagn** 1987 Jun; 7(5):373–6

Prenatal diagnosis of chronic granulomatous disease (CGD) in four high risk male fetuses. Huu TP, et al. **Prenat Diagn** 1987 May;7(4):253–60

Admixture of maternal metaphases in first trimester direct chromosome preparations? Jensen PK, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):383–5

Early prenatal diagnosis of a lethal syndrome of multiple congenital contractures. Kirkinen P, et al. **Prenat Diagn** 1987 Mar;7(3):189–96

Prenatal diagnosis of Fabry's disease by direct analysis of chorionic villi. Kleijer WJ, et al. **Prenat Diagn** 1987 May; 7(4):283–7

Prenatal diagnosis of a complex, balanced rearrangement of chromosomes 7 and 14 in a healthy child with a history of preconceptual X-ray exposure [letter] Köhler J, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):389–90

Two unusual cases of first trimester prenatal diagnosis of cystic fibrosis using DNA probes. Law HY, et al. **Prenat Diagn** 1987 Mar;7(3):215–21

Spontaneous abortion after transcervical chorionic villus sampling: a case report. MacKenzie WE, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):387–8

Prune belly in trisomy 13. McKeown CM, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):379–81

First trimester diagnosis of cystinosis using intact chorionic villi. Patrick AD, et al. **Prenat Diagn** 1987 Feb;7(2):71–4

Prenatal diagnosis of congenital non-bullous ichthyosiform erythroderma (lamellar ichthyosis). Perry TB, et al. **Prenat Diagn** 1987 Mar;7(3):145–55

Rare chromosome 20 variants encountered during prenatal diagnosis. Petersen MB. **Prenat Diagn** 1986 Sep-Oct; 6(5):363–7

Prenatal diagnosis and obstetrical management of multicystic dysplastic kidney disease. Rizzo N, et al. **Prenat Diagn** 1987 Feb;7(2):109–18

Prenatal diagnosis of osteogenesis imperfecta type III. Robinson LP, et al. **Prenat Diagn** 1987;7(1):7–15

Immediate prenatal diagnosis of Zellweger syndrome by direct measurement of very long chain fatty acids in chorionic villus cells. Rocchiccioli F, et al. **Prenat Diagn** 1987 Jun;7(5):349–54

Prenatal diagnosis of beta thalassaemia by reverse phase HPLC. Rouyer-Fessard P, et al. **Prenat Diagn** 1987 Mar; 7(3):171–8

Marker chromosomes in a series of 10,000 prenatal diagnoses. Cytogenetic and follow-up studies. Sachs ES, et al. **Prenat Diagn** 1987 Feb;7(2):81–9

Prenatal diagnosis of the fragile X using thymidine induction. Sutherland GR, et al. **Prenat Diagn** 1987 Mar;7(3):197–202

Second trimester prenatal diagnosis of the Jarcho-Levin syndrome. Tolmie JL, et al. **Prenat Diagn** 1987 Feb; 7(2):129–34

Lack of sampling site variation in chorion villus biopsy as assessed by DNA, enzymatic, morphological and cytogenetical analyses. Upadhyaya M, et al. **Prenat Diagn** 1987 Feb;7(2):119–27

Prenatal diagnosis of infantile GM 2 gangliosidosis type II (Sandhoff disease) by detection of N-acetylglucosaminyl-oligosaccharides in amniotic fluid with high-performance liquid chromatography. Warner TG, et al. **Prenat Diagn** 1986 Nov-Dec;6(6):393–400

Prenatal diagnosis of the fragile X syndrome using fetal blood and amniotic fluid. Webb TP, et al. **Prenat Diagn** 1987 Mar; 7(3):203–14

Prenatal diagnosis of mosaic trisomy 9. Zadeh TM, et al. **Prenat Diagn** 1987;7(1):67–70

Hydrocephaly case history [letter] Morris D. **Radiography** 1986 Sep-Oct;52(605):216

Fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies. Nyberg DA, et al. **Radiology** 1987 Apr;163(1):187–91

Molecular genetics and Huntington's disease. The South African situation. Hayden MR, et al. **S Afr Med J** 1987 Jun 6;71(11):683–6

Congenital heart block detected in utero. A case report. Moodley TR, et al. **S Afr Med J** 1986 Sep 27;70(7):433–4

Ultrasound in the antenatal management of twin gestation. D'Alton ME, et al. **Semin Perinatol** 1986 Jan;10(1):30–8 (50 ref.)

In utero neurosonography: the normal fetus and variations in cranial size. Grannum P, et al. **Semin Perinatol** 1987 Apr;11(2):85–97

In utero neurosonography: neuroembryologic and encephaloclastic lesions. Grannum P, et al. **Semin Perinatol** 1987 Apr;11(2):98–111 (104 ref.)

Amnionic fluid: a source for fetal evaluation. Klein VR, et al. **Semin Perinatol** 1986 Apr;10(2):125–35 (60 ref.)

Case report 386: Thanatophoric dysplasia (TD). Cremin BJ, et al. **Skeletal Radiol** 1986;15(6):495–8

Ultrasonographic anatomy and diagnosis of fetal uropathies affecting the upper urinary tract. II. Nonobstructive uropathies. Duval JM, et al. **Surg Radiol Anat** 1986; 8(2):131–45 (102 ref.)

Gel electrophoresis of amniotic-fluid acetylcholinesterase and open neural tube defect. Ko TM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Oct;85(10):993–9

First symposium on safety and standardisation of ultrasound in obstetrics. Proceedings of World Federation of Ultrasound in Medicine and Biology. Sydney, Australia, 22–24 July 1985. **Ultrasound Med Biol** 1986 Sep; 12(9):673–728

Exploration of the fetal cerebral blood flow by duplex Doppler—linear array system in normal and pathological pregnancies. Arbeille P, et al. **Ultrasound Med Biol** 1987 Jun;13(6):329–37

Fetal hydrocephaly: diagnosis, prognosis and management. van Egmond-Linden A, et al. **Ultrasound Med Biol** 1986 Dec;12(12):939–44

Affect of late-onset prenatal care on antenatal diagnosis. Bodurtha JN, et al. **Va Med** 1986 Nov;113(11):673–6

Criticism of the California alpha fetoprotein screening program [letter] **West J Med** 1987 Jan;146(1):100

Meningomyelocele: a new or a vanishing disease? Shurtleff DB. **Z Kinderchir** 1986 Dec;41 Suppl 1:5–9

Prenatal morphology of partial monosomy 18q. Lazjuk G, et al. **Zentralbl Gynakol** 1987;109(2):126–9

Ultrasound surveillance of pregnancies after metroplasty for septate uterus. Papp Z, et al. **Zentralbl Gynakol** 1986; 108(21):1307–11

[Fetal syndrome of Bonnevie-Ullrich-Turner, diagnosed prenatally by echography] Khristov A, et al. **Akush Ginekol (Sofiia)** 1986;25(4):63–6 (Eng. Abstr.) (Bul)

[Echographic diagnosis of iniencephaly] Khristov A, et al. **Akush Ginekol (Sofiia)** 1986;25(5):84–6 (Eng. Abstr.) (Bul)

[Analysis of 392 cases of fetal macrosomia] Bai H. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):41–3, 63 (Eng. Abstr.) (Chi)

[Hemoglobin Bart's-hydrops fetalis syndrome] Huang YW. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Mar;22(2):85–6, 126 (Eng. Abstr.) (Chi)

[Analysis of 80 cases of fetal hydrocephalus] Peng JJ. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Mar;22(2):72–4, 125 (Eng. Abstr.) (Chi)

[Prenatal diagnosis of 95 cases by cytogenetic analysis of early chorionic villi] Sun NH. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Mar;22(2):79–81, 125–6 (Eng. Abstr.) (Chi)

[Clinical analysis of 162 cases of real-time ultrasonic diagnosis of congenital fetal anomalies] Wu ZY, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Mar;22(2):69–71, 125 (Eng. Abstr.) (Chi)

[Antenatal gene diagnosis of phenylketonuria] Zeng YT. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):493–4 (Chi)

[Prenatal diagnosis of lysosomal storage diseases] Shi HP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb;9(1):76–8 (Eng. Abstr.) (Chi)

[A study on the feasibility of prenatal diagnosis of beta-thalassemia by DNA polymorphisms in the Chinese] Wu GY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):394–8 (Eng. Abstr.) (Chi)

[Initial experience with the diagnosis of hemophilia A using molecular genetics] Sedláček Z, et al. **Cas Lek Cesk** 1987 May 29;126(22):682–6 (Eng. Abstr.) (Cze)

[Modern trends in prenatal fetal diagnosis and therapy] Zwinger A. **Cas Lek Cesk** 1986 Dec 12;125(50):1533–6 (Eng. Abstr.) (Cze)

[Prenatal cardiology] Samánek M, et al. **Cesk Pediatr** 1986 Aug;41(8):478–80 (Eng. Abstr.) (Cze)

[Prenatal cytogenetic diagnosis in the first trimester of pregnancy] Jensen PK, et al. **Ugeskr Laeger** 1987 Mar 9; 149(11):718–21 (Eng. Abstr.) (Dan)

[Early screening of pregnant women in order to optimize the gestational age] Smits MM, et al. **Ugeskr Laeger** 1986 Dec 1;148(49):3303–6 (Eng. Abstr.) (Dan)

[Fetal echocardiography] Sørensen K. **Ugeskr Laeger** 1987 May 25;149(22):1444–7 (Eng. Abstr.) (Dan)

[Prenatal diagnosis of cystic fibrosis] Kleijer WJ, et al.

Ned Tijdschr Geneeskd 1986 Dec 13;130(50):2267–70 (Eng. Abstr.) (Dut)
[Prenatal diagnosis of cystic fibrosis] ten Kate LP.
Tijdschr Kindergeneeskd 1987 Apr;55(2):53–63 (Eng. Abstr.) (Dut)
[Antenatal diagnosis of hereditary epidermolysis bullosa] Blanchet-Bardon C, et al. **Ann Dermatol Venereol** 1987; 114(4):525–39 (Eng. Abstr.) (Fre)
[In utero diagnosis of cysts of the ovary] Henrion R, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):65–9 (Eng. Abstr.) (Fre)
[Antenatal diagnosis of 2 cases of intra-abdominal solitary cyst] Nelson JR, et al. **Arch Fr Pediatr** 1987 May; 44(5):373–5 (Eng. Abstr.) (Fre)
[Restrictive ostium secundum: a new fetal malformation syndrome] Jouk PS, et al. **Arch Mal Coeur** 1987 Apr; 80(4):538–42 (Eng. Abstr.) (Fre)
[Molecular probes: current tools of clinical chemistry] Poncin J, et al. **Bull Mem Acad R Med Belg** 1986;141(11–12):509–17 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of ovarian cysts] Frémond B, et al. **Chir Pediatr** 1986;27(3):128–33 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of mucoviscidosis: biochemical technics and studies of affected fetuses] Muller F, et al. **Chir Pediatr** 1986;27(4):220–3 (Eng. Abstr.) (Fre)
[Antenatal diagnosis of Lowe's syndrome based on histologic tests of the fetal eyes] Dufier JL, et al. **J Fr Ophtalmol** 1986;9(5):361–6 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of genetic diseases using chorionic villi] Boué J, et al. **J Genet Hum** 1986 Aug;34(3–4):221–33 (Eng. Abstr.) (Fre)
[Requests for prenatal diagnosis from parents of children with cystic fibrosis] Demay G, et al. **J Genet Hum** 1986 Aug; 34(3–4):235–43 (Eng. Abstr.) (Fre)
[Unexpected chromosomal abnormalities in prenatal diagnosis. 4 case reports with preservation of the pregnancy] Gilgenkrantz S, et al. **J Genet Hum** 1986 Aug; 34(3–4):245–54 (Eng. Abstr.) (Fre)
[Genetic counseling and prenatal diagnosis in Duchenne myopathy: yesterday, today and tomorrow] Kaplan J, et al. **J Genet Hum** 1987 Jan;35(1):3–18 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of congenital malformations of the central nervous system and its implications for care of the newborn] Salvioli GP, et al. **J Genet Hum** 1986 Aug; 34(3–4):348–53 (Fre)
[Percutaneous ultrasound-guided sampling of fetal blood] Duchatel F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):459–65 (Eng. Abstr.) (Fre)
[Prenatal echographic diagnosis of iniencephaly. Apropos of a case] Guilleux MH, et al.
J Gynecol Obstet Biol Reprod (Paris) 1987;16(1):85–9 (Eng. Abstr.) (Fre)
[Dissemination of genetic counseling and prenatal diagnosis: impact of the physicians' knowledge] Julian C, et al.
Rev Epidemiol Sante Publique 1986;34(6):365–72 (Eng. Abstr.) (Fre)
[Fetal bradycardia during pregnancy. Apropos of 2 cases without fetal distress] Gardella C, et al.
Rev Fr Gynecol Obstet 1987 Feb;82(2):111–4 (Eng. Abstr.) (Fre)
[Twin pregnancy with acardiac fetus. Contribution of echography to the diagnosis. Review of the literature apropos of a case] Schebat C, et al.
Rev Fr Gynecol Obstet 1986 Dec;81(12):707–18 (33 ref.) (Eng. Abstr.) (Fre)
[Prenatal diagnosis of major malformations: current problems] Stauffer UG. **Rev Med Suisse Romande** 1987 May;107(5):375–83 (Fre)
[Alpha-fetoprotein screening in pregnancy] Grob P.
Dtsch Med Wochenschr 1986 Dec 19;111(51–52):1984–5 (Ger)
[Prenatal sonographic diagnosis of abnormalities and the significance of prepartum therapeutic procedures] Siekmann U, et al. **Dtsch Med Wochenschr** 1986 Oct 10; 111(41):1554–60 (Eng. Abstr.) (Ger)
[Value of chorionic biopsy in routine clinical diagnosis] Genger H, et al. **Geburtshilfe Frauenheilkd** 1986 Oct; 46(10):729–31 (Eng. Abstr.) (Ger)
[Management of couples following prenatal diagnosis of fetal abnormalities] Langer M, et al.
Geburtshilfe Frauenheilkd 1987 Mar;47(3):186–9 (Eng. Abstr.) (Ger)
[Intrauterine detection of dorsolateral diaphragmatic hernia using ultrasound] Merz E, et al.
Geburtshilfe Frauenheilkd 1987 Jan;47(1):54–6 (Eng. Abstr.) (Ger)
[Diagnosis of holoprosencephaly with cyclopia in the fetus] Schmidt R, et al. **Geburtshilfe Frauenheilkd** 1986 Jul; 46(7):470–2 (Eng. Abstr.) (Ger)
[Transcervical chorion biopsy—hitherto experiences and results of more than 200 cases] Schmidt W, et al.
Geburtshilfe Frauenheilkd 1987 Jun;47(6):384–92 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of fetal liver cysts] Schramm T, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):124–7 (Eng. Abstr.) (Ger)
[Fetal neck edema—early sonographic indications of a chromosome abnormality] Voigt HJ, et al.
Geburtshilfe Frauenheilkd 1986 Dec;46(12):879–82 (Eng. Abstr.) (Ger)
[Amniotic AFP concentration in pregnancies with numerical chromosome aberrations] Vytiska-Binstorfer E, et al.
Geburtshilfe Frauenheilkd 1986 Oct;46(10):732–4 (Eng. Abstr.) (Ger)
[Biopsy of the chorionic villi] Weitzel H.
Geburtshilfe Frauenheilkd 1987 Mar;47(3):145–8 (Eng. Abstr.) (Ger)
[Prenatal diagnosis of non-viable fetuses caused by developmental disorders—an indication for abortion for fetal reasons?] Wisser J, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):8–14 (Eng. Abstr.) (Ger)
[Safety of the diagnostic use of ultrasonics in pregnancy] Kratochwil A. **Gynakol Rundsch** 1986;26 Suppl 2:32–5 (Ger)
[The treatment of newborn infants with prenatally diagnosed abnormalities of the upper urinary tract] Schwöbel MG, et al. **Helv Chir Acta** 1986 Oct;53(3):245–8 (Eng. Abstr.) (Ger)
[Meconium peritonitis: description of 3 cases with abnormal prenatal ultrasound findings] Baeckert P, et al.
Helv Paediatr Acta 1987 Mar;41(6):539–44 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of a case of congenital hydrothorax caused by extralobar lung separation] Höck A, et al.
Kinderarztl Prax 1987 Feb;55(2):81–90 (Eng. Abstr.) (Ger)
[Fetal hydrothorax] Klinter D, et al. **Klin Padiatr** 1986 Jul–Aug;198(4):353–8 (Eng. Abstr.) (Ger)
[Fetal and neonatal ascites: a report of 15 cases and a review of the literature] Leonhardt A, et al. **Klin Padiatr** 1987 Jan–Feb;199(1):9–14 (Eng. Abstr.) (Ger)
[Congenital intracranial teratoma. Sonographic prenatal diagnosis, clinical aspects and neuropathology] Müller K, et al. **Monatsschr Kinderheilkd** 1986 Aug;134(8):550–3 (Eng. Abstr.) (Ger)
[Fetal intrauterine growth retardation: possibilities of antepartum diagnosis] Benz J.
Schweiz Rundsch Med Prax 1987 Mar 31;76(14):366–74 (Eng. Abstr.) (Ger)
[Sex chromosome abnormalities] Bühler EM. **Ther Umsch** 1986 Dec;43(12):888–92 (Eng. Abstr.) (Ger)
[Autosomal chromosome aberrations] Schinzel A.
Ther Umsch 1986 Dec;43(12):882–7 (Eng. Abstr.) (Ger)
[Genetic family counseling] Schmid W. **Ther Umsch** 1986 Dec;43(12):870–5 (Eng. Abstr.) (Ger)
[Medical genetic principles] Schmid W. **Ther Umsch** 1986 Dec;43(12):876–81 (Eng. Abstr.) (Ger)
[Ultrasound image and fetal complications in large chorioangioma of the placenta] Brühwiler H, et al.
Ultraschall Med 1986 Oct;7(5):245–7 (Eng. Abstr.) (Ger)
[Ultrasound findings as a sign of fetal triploidy] Holzgreve W, et al. **Ultraschall Med** 1986 Aug;7(4):169–71 (Eng. Abstr.) (Ger)
[Follow-up of the lateral ventricles and their development in congenital hydrocephalus using sonograms. II] Prenzlau P, et al. **Ultraschall Med** 1986 Aug;7(4):162–8 (Eng. Abstr.) (Ger)
[Prenatal ultrasound diagnosis of acardius] Zanke S.
Ultraschall Med 1986 Aug;7(4):172–5 (Eng. Abstr.) (Ger)
[Significance of sonographic diagnosis of fetal abnormalities of the urinary tract] Wisser J, et al. **Urologe [A]** 1987 May; 26(3):116–21 (Eng. Abstr.) (Ger)
[Prenatal diagnosis of the sequelae of supravesical stenoses—hydronephrosis and hydroureter] Bernaschek G, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb;191(1):15–20 (Eng. Abstr.) (Ger)
[Prenatal diagnosis of thanatophoric dwarfism with cloverleaf skull] Boos R, et al. **Z Geburtshilfe Perinatol** 1986 Sep–Oct;190(5):225–8 (Eng. Abstr.) (Ger)
[Fetal megacystis—prenatal diagnosis and attempt at therapy] Deutinger J, et al. **Z Geburtshilfe Perinatol** 1986 Jul–Aug; 190(4):168–71 (Eng. Abstr.) (Ger)
[Prenatal diagnosis and obstetric management of a case of Klippel–Trenaunay–Weber syndrome] Götze S, et al.
Z Geburtshilfe Perinatol 1987 Jan–Feb;191(1):43–5 (Eng. Abstr.) (Ger)
[Prenatal ultrasonic diagnosis of a cystic abdominal tumor—liver cyst and its differential diagnosis] Michel W, et al. **Z Geburtshilfe Perinatol** 1986 Jul–Aug;190(4):172–4 (Eng. Abstr.) (Ger)
[Ovarian pseudocysts in female newborn infants: prenatal ultrasonic diagnosis and surgical consequences] Zachariou Z, et al. **Z Kinderchir** 1987 Apr;42(2):126–30 (Eng. Abstr.) (Ger)
[Comparative studies of determining alpha fetoprotein using enzyme immunoassay and radioimmunoassay] Haller G, et al. **Z Med Lab Diagn** 1987;28(1):33–7 (Eng. Abstr.) (Ger)
[Modification of the spectrum of neonatal surgery by prenatal diagnosis] Mau H, et al. **Zentralbl Chir** 1987;112(4):227–34 (Eng. Abstr.) (Ger)
[Ivemark syndrome] Baumgartner A, et al.
Zentralbl Gynakol 1986;108(16):990–4 (Eng. Abstr.) (Ger)
[Ultrasound in the prenatal diagnosis of heart and lung abnormalities—Down's syndrome] Imtödy Z, et al.
Zentralbl Gynakol 1986;108(16):1006–10 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis and management of pregnancies with fetuses suffering from urinary tract malformations] Shalev E, et al. **Harefuah** 1985 Mar 15;108(6):294–7 (36 ref.) (Heb)
[A case of cystic duplication of the intestine. Prenatal diagnosis and treatment] Candussi G, et al.
Minerva Ginecol 1987 Mar;39(3):135–40 (Eng. Abstr.) (Ita)
[Reaction to ultrasonic diagnosis in the adjustment to anticipated image of the child] Cappa F, et al.
Minerva Ginecol 1987 Jan–Feb;39(1–2):15–8 (Eng. Abstr.) (Ita)
[Echographic diagnosis of obstructive fetal uropathy] Chiappa A, et al. **Minerva Ginecol** 1987 May;39(5):333–6 (Eng. Abstr.) (Ita)
[Our experience with the significance of alpha fetoprotein levels of the amniotic fluid in prenatal diagnosis] de Sabata D, et al. **Minerva Ginecol** 1986 Sep;38(9):669–74 (Eng. Abstr.) (Ita)
[Prenatal diagnosis of hemoglobinopathies. Experience at the Prenatal Diagnosis Center in Rome with 609 cases] Pachi A, et al. **Minerva Ginecol** 1987 Mar;39(3):121–5 (Eng. Abstr.) (Ita)
[Prenatal diagnosis of ileal obstruction using echography] Pagliano M, et al. **Minerva Ginecol** 1986 Nov;38(11):937–40 (Eng. Abstr.) (Ita)
[Anterior fetal duplication with dicephalus. Description of a clinical case] Cerini E, et al. **Minerva Pediatr** 1986 Oct 31;38(20):941–4 (Eng. Abstr.) (Ita)
[Prenatal results in genetic osteochondrodysplasia. Diagnostic protocol] Camera G. **Pathologica** 1985 Nov–Dec;77(1052):689–91 (Eng. Abstr.) (Ita)
[Fetal cytogenetic findings in the first trimester. Personal experience] Doria Lamba Carbone L, et al. **Pathologica** 1985 Nov–Dec;77(1052):731–42 (Eng. Abstr.) (Ita)
[Prenatal cytogenetic diagnosis of a 69,XXX/46,XX fetus] Doria Lamba Carbone L, et al. **Pathologica** 1985 Nov–Dec; 77(1052):761–6 (Eng. Abstr.) (Ita)
[Fetal phenotypic aspects of trisomy 18. 9 cases diagnosed prenatally] Doria Lamba Carbone L, et al. **Pathologica** 1985 Nov–Dec;77(1052):743–55 (Eng. Abstr.) (Ita)
[Neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. 3. An enzyme-linked immunosorbent assay for dried blood 17 alpha-hydroxyprogesterone] Fukushi M, et al.
Nippon Naibunpi Gakkai Zasshi 1987 Feb 20;63(2):113–22 (Eng. Abstr.) (Jpn)
[Neonatal screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. 2. Analysis of steroids with high-performance liquid chromatography for diagnosis of congenital adrenal hyperplasia] Mizushima Y, et al.
Nippon Naibunpi Gakkai Zasshi 1987 Feb 20;63(2):102–12 (Eng. Abstr.) (Jpn)
[Hydatidiform mole with a surviving coexisting fetus: diagnosed at 8th week gestation] Ishimatsu J, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Jul; 39(7):1169–72 (Jpn)
[Congenital cystic adenomatoid malformation of the lung: prenatal diagnosis and management] Kono K, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Jun; 39(6):1017–20 (Jpn)
[Results of fetoscopic examinations at our hospital] Takayama M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):759–64 (Eng. Abstr.) (Jpn)
[Use of ultrasonics in pregnancy] **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2887–90 (Nor)
[Outcome of twin pregnancies. Importance of early diagnosis] Aure JC, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20; 106(23):1812–5, 1817 (Eng. Abstr.) (Nor)
[Congenital adrenal hyperplasia: prenatal and perinatal diagnosis. Early prenatal treatment] Forest MG, et al.
Endokrynol Pol 1986;37(6):279–86 (Eng. Abstr.) (Pol)
[Usefulness of biopsy of the chorion in prenatal diagnosis] Pisarski T, et al. **Ginekol Pol** 1987 Jan;58(1):1–5 (Pol)
[Current aspects of the prenatal diagnosis of hereditary pathology] Bakharev VA, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):3–5 (56 ref.) (Rus)
[Clinical significance of several difficult to interpret and rarely encountered cardiotocograms during pregnancy] Demidov VN, et al. **Akush Ginekol (Mosk)** 1987 Jan; (1):15–9 (Eng. Abstr.) (Rus)
[Genetic heterogeneity and approaches to the prenatal diagnosis of phenylketonuria (review)] Chestkov VV, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):7–12 (65 ref.) (Eng. Abstr.) (Rus)
[Prenatal diagnosis in the 1st trimester of pregnancy of the male fetus at risk for hemophilia B] Krajinović M, et al.
Jugosl Ginekol Perinatol 1986 May–Aug;26(3–4):61–4 (Eng. Abstr.) (Ser)
[Prenatal detection of congenital adrenal hyperplasia using HLA typing of fetal cells from the amniotic fluid] Brkljačić L, et al. **Lijec Vjesn** 1986 Nov–Dec;108(11–12):497–500 (Eng. Abstr.) (Ser)
[Prenatal diagnosis of congenital adrenal hyperplasia due to a 21-hydroxylase defect—determination of 17-hydroxyprogesterone in the amniotic fluid] Dumić M, et al. **Lijec Vjesn** 1987 Feb–Mar;109(2–3):65–7 (Eng. Abstr.) (Ser)
[Prenatal measurement of fetal blood flow in normal pregnancy] Rajhvajn B. **Lijec Vjesn** 1986 Oct; 108(10):436–41 (Eng. Abstr.) (Ser)
[New frontiers in human genetics and their implications] Velázquez-Arellano A, et al. **Gac Med Mex** 1986 May–Jun; 122(5–6):123–34 (Spa)
[Prenatal identification of large-for-gestational age neonates] Amor Calleja L, et al. **Ginecol Obstet Mex** 1986 Sep;

54:250–4 (Eng. Abstr.) (Spa)
[Prenatal diagnosis of hemophilia A by DNA analysis. First experience in Spain] Baiget M, et al. **Med Clin (Barc)** 1987 May 16;88(19):770–2 (Eng. Abstr.) (Spa)
[Prenatal echographic diagnosis of prune belly syndrome] Guzmán E, et al. **Rev Chil Obstet Ginecol** 1985;50(2):107–12 (Eng. Abstr.) (Spa)
[Cervical teratoma. Intrauterine ultrasonic diagnosis. Presentation of a case] Briceño de Rodríguez JA. **Rev Med Panama** 1987 Jan;12(1):41–6 (Eng. Abstr.) (Spa)
[Diagnosis and treatment of fetal congenital adrenal cortex hyperplasia] Gustavson KH, et al. **Lakartidningen** 1986 Dec 24;83(52):4462–3 (Swe)

ADVERSE EFFECTS

Septic complications after chorionic villus sampling [letter] Brambati B, et al. **Lancet** 1987 May 23;1(8543):1212–3
On the safety of diagnostic ultrasonography in obstetrics and gynecology. Lewin A, et al. **Rev Environ Health** 1985; 5(2):129–34 (17 ref.)

ECONOMICS

Clinical and economic considerations associated with testing for fetal lung maturity. Herbert WN, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):820–3
When does mass screening for open neural tube defects in low-risk pregnancies result in cost savings? Tosi LL, et al. **Can Med Assoc J** 1987 Feb 1;136(3):255–65
Cost-benefit analysis of diagnosis and treatment of syphilis in pregnant women. Phaosavasdi S, et al. **J Med Assoc Thai** 1987 Feb;70(2):90–5
Cost-effectiveness ratio of chorionic villi biopsy for the prenatal diagnosis of chromosomal aberrations as compared with amniocentesis. Marchese CA, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):533–8

INSTRUMENTATION

Use of fetoscopy for the prenatal diagnosis of hereditary skin disorders. Elias S. **Curr Probl Dermatol** 1987;16:1–13 (24 ref.)
[Isotope perfusion studies of the placenta completed with external tocometry] Koloszár S, et al. **Orv Hetil** 1986 Nov 30;127(48):2931–2, 2935 (Eng. Abstr.) (Hun)
[Development of the trendgram display for fetal heart rate and studies on its changes] Tatsumura M, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec;24(7):483–90 (Eng. Abstr.) (Jpn)

METHODS

Chorionscopy and chorionic villi sampling. Ghirardini G, et al. **Acta Eur Fertil** 1986 Nov–Dec;17(6):495–9
Experiences with different techniques of chorionic villi sampling for first trimester diagnosis. Holzgreve W, et al. **Acta Eur Fertil** 1986 Nov–Dec;17(6):485–90
Hysteroscopic chorionic villi sampling: a new approach. Mencaglia L, et al. **Acta Eur Fertil** 1986 Nov–Dec; 17(6):491–4
Application of DNA polymorphisms for prenatal diagnosis of beta thalassemia in Chinese. Chan V, et al. **Am J Hematol** 1987 Aug;25(4):409–15
Difficulties in the prenatal diagnosis of Jarcho–Levin syndrome. Apuzzio JJ, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):916–8
The immediate effects of chorionic villus sampling on fetal movements. Boogert A, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):137–9
Transabdominal chorionic villus sampling: a freehand ultrasound-guided technique. Brambati B, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):134–7
Prenatal sonographic assessment of the fetal thorax: normal values. Chitkara U, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1069–74
Fetal echocardiography. VII. Doppler color flow mapping: a new technique for the diagnosis of congenital heart disease. DeVore GR, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1054–64
Cerebellar measurements with ultrasonography in the evaluation of fetal growth and development. Goldstein I, et al. **Am J Obstet Gynecol** 1987 May;156(5):1065–9
Perinatal anterior cerebral artery Doppler flow indexes: methods and preliminary results. Mirro R, et al. **Am J Obstet Gynecol** 1987 May;156(5):1227–31
Fifteen years of experience with antepartum fetal testing. Platt LD, et al. **Am J Obstet Gynecol** 1987 Jun; 156(6):1509–15
Prenatal ultrasonic diagnosis of multiple bowel atresias. Skoll MA, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):472–3
Comparison of an ELISA with a RIA method for serum alpha-fetoprotein determination in screening for fetal neural tube defects. Barlow RD, et al. **Ann Clin Biochem** 1986 May;23 (Pt 3):334–9
Management of infants with prenatal ultrasound diagnosis of airway obstruction by teratoma. Holinger LD, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):61–4
Intrapartum hysteroscopy. Petrikovsky B. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):249–50
The use of monoclonal antibodies UCH beta and UCH gamma for the antenatal diagnosis of beta-thalassaemia. Allen C, et al. **Br J Haematol** 1987 Feb;65(2):199–203
ABO and Rhesus phenotyping of fetal erythrocytes in the first trimester of pregnancy. Gemke RJ, et al. **Br J Haematol** 1986 Dec;64(4):689–97
Antenatal diagnosis of placental anastomosis in a twin pregnancy using Doppler ultrasound. Erskine RL, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):955–9
The antenatal diagnosis by ultrasonography of type III congenital cystic adenomatoid malformation of the lung. Case report. Morcos SF, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):1002–5
Amniotic fluid and fetal tissues are not heated by obstetric ultrasound scanning. Soothill PW, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):675–7
Screening for Down's syndrome using an iso-risk curve based on maternal age and serum alpha-fetoprotein level. Tabor A, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):636–42
Fetal distress and the condition of the newborn using cardiotocography and fetal blood analysis during labour. van den Berg P, et al. **Br J Obstet Gynaecol** 1987 Jan; 94(1):72–5
Application of a closely linked polymorphism of restriction fragment length to counselling and prenatal testing in families with myotonic dystrophy. Meredith AL, et al. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1353–6
Maternal serum alpha-fetoprotein screening: report of a Canadian pilot project. Doran TA, et al. **Can Med Assoc J** 1987 Aug 15;137(4):285–93
First-trimester fetal diagnosis: prudential ethics. Roy DJ. **Can Med Assoc J** 1986 Oct 1;135(7):737–9
Implementation of a screening program for diagnosing open neural tube defects: selection, evaluation, and utilization of alpha-fetoprotein methodology. Christensen RL, et al. **Clin Chem** 1986 Oct;32(10):1812–7
Prenatal diagnosis of genodermatoses using amniotic fluid cells and DNA analysis. Gosden C. **Curr Probl Dermatol** 1987;16:65–82 (29 ref.)
Chorionic villus sampling in first trimester and fetoscopy in second trimester. Gustavii B. **Curr Probl Dermatol** 1987; 16:23–9 (8 ref.)
Recombinant DNA, chromosomes and prenatal diagnosis. Pearson PL. **Curr Probl Dermatol** 1987;16:30–44 (37 ref.)
Early prenatal diagnosis by chorionic villi sampling. Perry TB, et al. **Curr Probl Dermatol** 1987;16:14–22 (20 ref.)
Direct hybridization to DNA from small numbers of flow-sorted nucleated newborn cells. Bianchi DW, et al. **Cytometry** 1987 Mar;8(2):197–202
The clinical value of maternal perception of foetal movements: report of two cases with reduced movements. Lema VM, et al. **East Afr Med J** 1987 Feb;64(2):150–4
Factors affecting the success of mid-trimester amniocentesis. Duncan SL, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):231–6
New diagnostic and technical aspects of fetal phonocardiography. Nagel J. **Eur J Obstet Gynecol Reprod Biol** 1986 Dec; 23(5–6):295–303 (5 ref.)
Ultrasound sequential analysis of the cardiovascular anatomy in utero. Marasini M, et al. **G Ital Cardiol** 1987 Feb; 17(2):139–43
The use of multiple restriction fragment length polymorphisms in prenatal risk estimation. II. Conditional risk distributions. Clark AG. **Hum Hered** 1987;37(1):41–53
Technical aspects and diagnostic problems of direct chromosome analysis using chorionic villus sampling in the first trimester. Dalprà L, et al. **Hum Reprod** 1986 Feb; 1(2):103–6
Prenatal diagnosis in the human pre-implantation period. Meeting held at the Ciba Foundation on the 13th November 1986. Whittingham DG, et al. **Hum Reprod** 1987 Apr;2(3):267–70
Two methods for optimal MECG elimination and FECG detection from skin electrode signals. Vanderschoot J, et al. **IEEE Trans Biomed Eng** 1987 Mar;34(3):233–43
Ultrasound in prenatal diagnosis. Gnanasoundari S, et al. **Indian Pediatr** 1985 Aug;22(8):607–12
Prenatal care in 1986. Beatty BA, et al. **Iowa Med** 1986 Sep; 76(9):401–6
Identifying genetic risks. Murray JC. **Iowa Med** 1986 Sep; 76(9):409–11
Maternal serum alpha fetoprotein screening project. O'Brien WF. **J Fla Med Assoc** 1987 May;74(5):333–5
Prenatal diagnosis of inherited hemoglobinopathies. Cao A, et al. **J Genet Hum** 1986 Nov;34(5):413–24 (36 ref.)
Serial symphysis--fundal height measurements in detection of abnormal fetal growth. Linasmita V. **J Med Assoc Thai** 1986 Nov;69(11):585–9
DNA probe analysis for carrier detection and prenatal diagnosis of Duchenne muscular dystrophy: a standard diagnostic procedure. Bakker E, et al. **J Med Genet** 1986 Dec;23(6):573–80
Carrier detection and prenatal diagnosis in X linked muscular dystrophy using restriction fragment length polymorphisms [published erratum appears in J Med Genet 1987 Mar;24(3):171] Lindlöf M, et al. **J Med Genet** 1986 Dec; 23(6):560–72
Prenatal diagnosis of Duchenne muscular dystrophy by DNA analysis. Old JM, et al. **J Med Genet** 1986 Dec;23(6):556–9
Concentration of free fatty acids (FFA) in amniotic fluid and maternal and cord serum in cases of intrauterine growth retardation. Urban J, et al. **J Perinat Med** 1986; 14(4):259–62
Percutaneous umbilical blood sampling. A new technique for prenatal diagnosis. Ludomirski A, et al. **J Reprod Med** 1987 Apr;32(4):276–9
Maternal serum alpha-fetoprotein--a marker of fetal aplastic crisis during intrauterine human parvovirus infection. Carrington D, et al. **Lancet** 1987 Feb 21;1(8530):433–5
Restriction enzyme MaeIII for prenatal diagnosis of alpha 1-antitrypsin deficiency [letter] Cox DW, et al. **Lancet** 1986 Sep 27;2(8509):741–2
First-trimester prenatal diagnosis for Huntington's disease with DNA probes. Hayden MR, et al. **Lancet** 1987 Jun 6;1(8545):1284–5
Prenatal diagnosis of alpha 1-antitrypsin deficiency by restriction fragment length polymorphisms, and comparison with oligonucleotide probe analysis. Hejtmancik JF, et al. **Lancet** 1986 Oct 4;2(8510):767–70
Rapid prenatal diagnosis of Down's syndrome with in-situ hybridisation of fluorescent DNA probes [letter] Julien C, et al. **Lancet** 1986 Oct 11;2(8511):863–4
Transabdominal chorion villus biopsy: 100 consecutive cases. Lilford RJ, et al. **Lancet** 1987 Jun 20;1(8547):1415–7
Acceptability of prenatal diagnosis for retinitis pigmentosa [letter] Pawlowitzki IH, et al. **Lancet** 1986 Dec 13; 2(8520):1394–5
Exclusion testing for Huntington's disease in pregnancy with a closely linked DNA marker. Quarrell OW, et al. **Lancet** 1987 Jun 6;1(8545):1281–3
Intrauterine growth retardation: prediction of perinatal distress by Doppler ultrasound. Reuwer PJ, et al. **Lancet** 1987 Aug 22;2(8556):415–8
Chorionic villi sampling [letter] **MCN** 1986 Nov–Dec; 11(6):379
DNA analysis for antenatal diagnosis of thalassaemia and haemophilia. Trent RJ, et al. **Med J Aust** 1987 May 4; 146(9):462–5
Genetic diseases and antenatal diagnosis. Wong HB. **Med J Malaysia** 1985 Sep;40(3):153–64
Prenatal diagnosis and detection of carriers with DNA probes in Duchenne's muscular dystrophy. Darras BT, et al. **N Engl J Med** 1987 Apr 16;316(16):985–92
Rapid prenatal diagnosis of sickle cell anemia by a new method of DNA analysis. Embury SH, et al. **N Engl J Med** 1987 Mar 12;316(11):656–61
Detection of sickle cell anaemia and thalassaemias [letter] Chehab FF, et al. **Nature** 1987 Sep 24–30;329(6137):293–4
Fetal biophysical profile and perinatal death. Baskett TF, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):357–60
Routine or selective ultrasound examinations in early pregnancy. Belfrage P, et al. **Obstet Gynecol** 1987 May; 69(5):747–50
Prenatal diagnosis of minute 5p- deletion: a cytogenetic problem in detection. Benn PA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):449–52
A simplified method for estimating fetal weight using ultrasound measurements. Rose BI, et al. **Obstet Gynecol** 1987 Apr;69(4):671–5
Cordocentesis for diagnostic indications: two years' experience. Weiner CP. **Obstet Gynecol** 1987 Oct; 70(4):664–8
Chorionic villus sampling: an analysis of the obstetric experience of 1,000 cases. Brambati B, et al. **Prenat Diagn** 1987 Mar;7(3):157–69
A pipette method for rapid karyotyping in prenatal diagnosis. Claussen U, et al. **Prenat Diagn** 1986 Nov–Dec;6(6):401–8
A simple technique for obtaining high quality chromosome preparations from chorionic villus samples using FdU synchronization. Gibas LM, et al. **Prenat Diagn** 1987 Jun; 7(5):323–7
Krabbe's disease: first trimester diagnosis confirmed on cultured amniotic fluid cells and fetal tissues. Giles L, et al. **Prenat Diagn** 1987 Jun;7(5):329–32
First trimester prenatal diagnosis of metabolic diseases: a survey in countries from the European community. Poenaru L. **Prenat Diagn** 1987 Jun;7(5):333–41
Prenatal diagnosis of cystinosis utilizing chorionic villus sampling. Smith ML, et al. **Prenat Diagn** 1987;7(1):23–6
Prenatal diagnosis of classical phenylketonuria by linked restriction fragment length polymorphism analysis. Speer A, et al. **Prenat Diagn** 1986 Nov–Dec;6(6):447–50
Yet another method for processing trophoblast [letter] Watt JL, et al. **Prenat Diagn** 1986 Sep–Oct;6(5):391
Development of the hypodysplastic kidney: contribution of antenatal US diagnosis. Avni EF, et al. **Radiology** 1987 Jul;164(1):123–5
[Echographic diagnosis of extrathoracic ectopy of the heart] Ivanov L, et al. **Akush Ginekol (Sofiia)** 1987;26(1):35–8 (Eng. Abstr.) (Bul)
[Use of an ultrasonic method in the antenatal diagnosis of anomalies of fetal development] Khadzhiev A, et al. **Akush Ginekol (Sofiia)** 1987;26(1):1–7 (Eng. Abstr.) (Bul)
[An analysis of gravidograms of 3,278 cases] Xia EL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):272–5, 318 (Eng. Abstr.) (Chi)
[Combined use of amniotic fluid acetylcholinesterase and alpha-fetoprotein for prenatal diagnosis] Zhao YG. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):222–4, 252–3 (Eng. Abstr.) (Chi)
[First-trimester diagnosis of beta-thalassemia] Zhang JW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr;8(2):79–83 (Eng. Abstr.) (Chi)
[Prenatal diagnosis of cystic fibrosis using DNA analysis] Halley DJ, et al. **Ned Tijdschr Geneeskd** 1986 Dec 13;

130(50):2270–2 (Dut)
[A new technic of prenatal diagnosis: trophoblast biopsy] Henrion R, et al. **Bull Acad Natl Med (Paris)** 1986 May; 170(5):597–603 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of chromosomal anomalies by chorionic villi sampling: culture technic and preliminary results] Charbonne F, et al. **C R Soc Biol (Paris)** 1986;180(3):316–22 (Eng. Abstr.) (Fre)
[Karyotyping by ultrasonically-guided withdrawal of fetal blood in an echographic warning sign (letter)] Boog A, et al. **Presse Med** 1987 Jun 27;16(25):1242 (Fre)
[Antenatal diagnosis by molecular biology] Boué A. **Presse Med** 1987 Apr 11;16(13):607–8 (Fre)
[Antenatal diagnosis of cystic fibrosis: value of DNA markers (letter)] Fontaine F, et al. **Presse Med** 1986 Dec 20; 15(45):2254 (Fre)
[Improvement in the prenatal etiologic diagnosis of severe 2d trimester oligo-amnios by intra-amniotic injection of physiologic solution] Muller J, et al. **Rev Fr Gynecol Obstet** 1987 Jun;82(6):419–21 (Eng. Abstr.) (Fre)
[The Doppler in obstetrics: experience of the Baudelocque Clinic] Uzan M, et al. **Rev Fr Gynecol Obstet** 1987 Jan; 82(1):35–43 (Eng. Abstr.) (Fre)
[Nuclear magnetic resonance tomography as a new possibility in prenatal diagnosis (letter)] Schult HM, et al. **Dtsch Med Wochenschr** 1986 Dec 12;111(50):1940 (Ger)
[Prenatal sonography and computed tomography of fetal cerebral malformations] Brinkmann G, et al. **RÖFO** 1987 Jul;147(1):76–9 (Eng. Abstr.) (Ger)
[Primordial growth deficiency—a case report for the diagnosis of early intrauterine growth retardation] Klug PW, et al. **Z Geburtshilfe Perinatol** 1986 May–Jun; 190(3):137–9 (Eng. Abstr.) (Ger)
[Determination of maternal serum alpha fetoprotein with a Polish AFP radioimmunoassay—a suitable screening method for neural tube defects?] Schlosser H, et al. **Zentralbl Gynakol** 1986;108(15):914–8 (Eng. Abstr.) (Ger)
[Prenatal diagnosis in the first trimester—beyond the first 100 cases] Intödy Z, et al. **Orv Hetil** 1987 Apr 19; 128(16):821–5 (Eng. Abstr.) (Hun)
[Prenatal diagnosis of the congenital adrenogenital syndrome] Restagno G, et al. **Minerva Endocrinol** 1987 Apr–Jun; 12(2):97–100 (9 ref.) (Eng. Abstr.) (Ita)
[Measurement of the lecithin/sphingomyelin ratio in amniotic fluid: a simple method for the assessment of fetal lung maturity] Hiyeda Y. **Igaku Kenkyu** 1986 Dec;56(3):95–107 (Eng. Abstr.) (Jpn)
[Fetal blood sampling by liver puncture] Koresawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):395–9 (Eng. Abstr.) (Jpn)
[Prenatal diagnosis by ultrasound] Nakano H. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar; 39(3):497–501 (Jpn)
[Prenatal diagnosis by X-ray radiography] Shimada N. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):491–6 (10 ref.) (Jpn)
[Fetal echocardiography] Medvedev MV, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):12–5 (53 ref.) (Rus)
[Antenatal diagnosis of chronic fetal hypoxia based on the results of amniotic fluid examination in preterm pregnancy] Okhapkin MB, et al. **Akush Ginekol (Mosk)** 1986 Oct; (10):66–8 (Rus)
[Ultrasonic antenatal ventriculography] Ozerova OE. **Akush Ginekol (Mosk)** 1987 Feb;(2):54–7 (Eng. Abstr.) (Rus)
[Methods of evaluating prenatal cardiotocography] Pasynkov MA, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):19–21 (Eng. Abstr.) (Rus)
[Ultrasonic evaluation of anatomo-functional features of the major vessels of the fetus] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):22–4 (Eng. Abstr.) (Rus)
[Antenatal echocardiographic diagnosis of Ebstein's syndrome] Medvedev MV, et al. **Pediatriia** 1986 Nov; (11):69 (Rus)

PSYCHOLOGY

The psychological impact of prenatal diagnosis of fetal abnormality: strategies for investigation and intervention. Zuskar DM. **Women Health** 1987;12(1):91–103

TRENDS

Maternal serum alpha-fetoprotein screening programs and quality control for laboratories performing maternal serum and amniotic fluid alpha-fetoprotein assays: policy statement. American Society of Human Genetics. **Can Med Assoc J** 1987 Jun 15;136(12):1253–6
[Intrauterine growth retardation. Changes in obstetrical practice in France] Poisson-Salomon AS, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):163–71 (Eng. Abstr.) (Fre)
[Prenatal diagnosis of hereditary diseases, current status, real possibilities and prospects] Baranov VS. **Vestn Akad Med Nauk SSSR** 1987;(4):44–50 (Rus)
[Current possibilities for ultrasound examination in prenatal diagnosis] Strizhakov AN, et al. **Vestn Akad Med Nauk SSSR** 1987;(4):51–6 (Eng. Abstr.) (Rus)
[New frontiers of human genetics and their implications] Velázquez-Arellano A, et al. **Gac Med Mex** 1986 May–Jun; 122(5–6):123–34 (Spa)

PRENATAL EXPOSURE DELAYED EFFECTS

Experimental study on developing rat kidney after Naja haje envenomation. el Hessy H, et al. **Acta Anat (Basel)** 1987; 128(3):217–26
Estrogen participation in induction of cervicovaginal adenosis-like lesions in immature mice exposed prenatally to diethylstilbestrol. Iguchi T, et al. **Acta Anat (Basel)** 1986; 127(2):110–4
Developmental aspects of the offspring of diabetic mothers. Gerlini G, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 277:150–5
Metabolic adaptations during the neonatal period in infants of diabetic mothers. Hertel J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:136–40 (10 ref.)
Longterm morbidity in infants of diabetic mothers. Persson B. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:156–8
Chronic in utero alcohol exposure affects auditory function in rats and in humans. Church MW. **Alcohol** 1987 Jul–Aug; 4(4):231–9
Organ growth and cellular development in ethanol-exposed rats. Gallo PV, et al. **Alcohol** 1986 Jul–Aug;3(4):261–7
Prenatal ethanol and ontogeny of pituitary-adrenal responses to ethanol and morphine. Taylor AN, et al. **Alcohol** 1986 Jul–Aug;3(4):255–9
Effect of prenatal alcohol exposure on neonatal sleep-wake behaviour and adult alcohol consumption in the AA and ANA rat lines. Hilakivi L, et al. **Alcohol Alcohol** 1987; 22(3):231–40
Measuring histological form change with finite element methods: an application using diazo-oxo-norleucine (DON)-treated rats. Lozanoff S, et al. **Am J Anat** 1986 Oct;177(2):187–201
Circadian modification of ethanol damage in utero to mice. Sauerbier I. **Am J Anat** 1987 Feb;178(2):170–4
Effects of intrauterine exposure to alkaloidal cocaine ('crack') [letter] LeBlanc PE, et al. **Am J Dis Child** 1987 Sep; 141(9):937–8
Diethylstilbestrol and clear cell vaginal carcinoma. Reappraisal of the epidemiologic evidence. McFarlane MJ, et al. **Am J Med** 1986 Nov;81(5):855–63
Management of the diethylstilbestrol-exposed pregnant patient: a prospective study. Ludmir J, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):665–9
Neonatal auditory acuity following in utero vibratory acoustic stimulation. Ohel G, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):440–1
Paraovarian cysts associated with prenatal diethylstilbestrol exposure. Comparison of the human with a mouse model. Haney AF, et al. **Am J Pathol** 1986 Sep;124(3):405–11
Adenocarcinoma of the rete testis. Diethylstilbestrol-induced lesions of the mouse rete testis. Newbold RR, et al. **Am J Pathol** 1986 Dec;125(3):625–8
Polyovular follicles in the ovary of immature mice exposed prenatally to diethylstilbestrol. Iguchi T, et al. **Anat Embryol (Berl)** 1986;175(1):53–5
Lack of effects of prenatal exposure to lidocaine on development of behavior in rats. Teiling AK, et al. **Anesth Analg** 1987 Jun;66(6):533–41
Prenatal stress disrupts reproductive behavior and physiology in offspring. Herrenkohl LR. **Ann NY Acad Sci** 1986; 474:120–8 (42 ref.)
Fetal anticonvulsant exposure: effects on behavioral and physical development. Vorhees CV. **Ann NY Acad Sci** 1986;477:49–62
Genealogical memory to perinatal iodine-131 exposure in rats: I. Alteration in natural immunity. Stevens RH, et al. **Anticancer Res** 1986 Sep–Oct;6(5):925–30
Effect of fetal exposure to gentamicin on kidneys of young guinea pigs. Lelievre-Pegorier M, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):88–92
Fetal methylmercury poisoning. Relationship between concentration in single strands of maternal hair and child effects. Marsh DO, et al. **Arch Neurol** 1987 Oct; 44(10):1017–22
Prenatal factors and tooth eruption in children with oral clefts. Pöyry M. **ASDC J Dent Child** 1986 Nov–Dec; 53(6):436–8
Altered grooming responses to stress in rats exposed prenatally to ethanol. Hannigan JH, et al. **Behav Neural Biol** 1987 Mar;47(2):173–85
Genotype modulates prenatal stress effects on aggression in male and female mice. Kinsley C, et al. **Behav Neural Biol** 1987 Mar;47(2):138–50
Prenatal stress and prepuberal social rearing conditions interact to determine sexual behavior in male rats. Ward IL, et al. **Behav Neurosci** 1985 Apr;99(2):301–9
Aberrant parenting and delayed offspring development in rats exposed to lithium. Sechzer JA, et al. **Biol Psychiatry** 1986 Nov;21(13):1258–66
Prenatal and familial associations of testicular cancer. Swerdlow AJ, et al. **Br J Cancer** 1987 May;55(5):571–7
Prenatal androgen exposure, preoptic area and reproductive functions in the female rat. Ito S, et al. **Brain Dev** 1986; 8(4):463–8
Quantitative synaptic changes on Purkinje cell dendritic spines of rats born from streptozotocin-induced diabetic mothers. Yamano T, et al. **Brain Dev** 1986;8(3):269–73
Categorical perception for voicing contrasts in normal and lead-treated rhesus monkeys: electrophysiological indices. Morse PA, et al. **Brain Lang** 1987 Jan;30(1):63–80
Prenatal protein malnutrition affects synaptic potentiation in the dentate gyrus of rats in adulthood. Austin KB, et al. **Brain Res** 1986 Oct;394(2):267–73
Effect of protein malnutrition on hippocampal kindling: electrographic and behavioral measures. Bronzino JD, et al. **Brain Res** 1986 Oct 8;384(2):348–54
Alterations in mice dopamine receptor characteristics after early exposure to phenobarbital. Iser-Strenger C, et al. **Brain Res** 1986 Nov;395(1):57–65
Selective attention and place navigation in rats treated prenatally with methylazoxymethanol. Mohammed AK, et al. **Brain Res** 1986 Dec;395(2):145–55
Effects of prenatal nicotine exposure on neuronal development: selective actions on central and peripheral catecholaminergic pathways. Slotkin TA, et al. **Brain Res Bull** 1987 May;18(5):601–11
Effects of maternal nicotine injections on brain development in the rat: ornithine decarboxylase activity, nucleic acids and proteins in discrete brain regions. Slotkin TA, et al. **Brain Res Bull** 1986 Jul;17(1):41–50
Effects of maternal exposure to six heavy metals on fetal development. Tsuchiya H, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):580–7
Ovariectomy of adult mice exposed prenatally to diethylstilbestrol. Walker BE. **Cancer Lett** 1987 Feb; 34(2):115–20
Transplacental effects of diethylstilbestrol on mammary development and tumorigenesis in female ACI rats. Rothschild TC, et al. **Cancer Res** 1987 Aug 15; 47(16):4508–16
The effect of low-level prenatal methylmercury exposure on visual recognition memory in infant crab-eating macaques. Gunderson VM, et al. **Child Dev** 1986 Aug; 57(4):1076–83
Neonates prenatally exposed to anesthetics: four-year follow-up. Hollenbeck AR, et al. **Child Psychiatry Hum Dev** 1986 Fall;17(1):66–70
Maternal dietary NaCl intake influences weanling rats' salt preferences without affecting taste nerve responsiveness. Bird E, et al. **Dev Psychobiol** 1987 Mar;20(2):111–30
Repeated failure of prenatal ACTH administration to alter masculine behavior in mice. de Catanzaro D, et al. **Dev Psychobiol** 1986 Nov;19(6):501–10
Dendritic development in the neocortex of adult rats following a maintained prenatal and/or early postnatal life undernutrition. Cordero ME, et al. **Early Hum Dev** 1986 Dec;14(3–4):245–58
Effect of cadmium on prenatal development and on tissue cadmium, copper, and zinc concentrations in rats. Barański B. **Environ Res** 1987 Feb;42(1):54–62
Effects of glucocorticoids during pregnancy on the outcome of the children directly after birth and in the long run. Koppe JG, et al. **Eur J Obstet Gynecol Reprod Biol** 1977; 7(5):293–9
The effects of prenatal chlordiazepoxide administration on avoidance behavior and benzodiazepine receptor density in adult albino rats. Avnimelech-Gigus N, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):185–8
Effect of an inhibitor of aromatization, 1,4,6 androstatriene-3,17-dione (ATD) on LH release and steroid binding in hypothalamus of adult female rats. Slama A, et al. **Exp Brain Res** 1986;64(3):407–10
Retinal degeneration in the mouse. A model induced transplacentally by methylnitrosourea. Smith SB, et al. **Exp Eye Res** 1986 Nov;43(5):791–801
Maternal ethanol consumption: lack of effect on synaptogenesis in layer I of the motor cortex in 19-day-old rat offspring. Druse MJ, et al. **Exp Neurol** 1986 Dec; 94(3):497–508
Crowding during pregnancy delays puberty and alters estrous cycles of female offspring in mice. Harvey PW, et al. **Experientia** 1987 Mar 15;43(3):306–8
Can low birth weight be prevented? Brown SS. **Fam Plann Perspect** 1985 May–Jun;17(3):112–8
Alterations in immune responsiveness in women exposed to diethylstilbestrol in utero. Ways SC, et al. **Fertil Steril** 1987 Aug;48(2):193–7
Altered immune reactivity of mice born from mothers treated with ampicillin during gestation. Wlodarska B, et al. **Folia Biol (Praha)** 1987;33(3):210–5
Ultrastructural image of the cerebral cortex of rats exposed to hypobaric altitude hypoxia. II. The effect of prenatal hypoxia on development of the neuroglia cells and capillaries. Brichová H. **Folia Morphol (Praha)** 1986; 34(4):402–15
Reproduction and growth following prenatal methylmercuric chloride exposure in mice. Gates AH, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):486–93
Historic trials: Montreal Tramways v. Leveillé (1933) 4 DLR 338. **Hum Reprod** 1987 May;2(4):349–59
Maternal cannabinoid exposure. Effects on spermatogenesis in male offspring. Dalterio SL, et al. **Int J Androl** 1986 Aug;9(4):250–8
Diethylstilbestrol-associated vaginal adenosis followed by clear cell adenocarcinoma. Sander R, et al. **Int J Gynecol Pathol** 1986;5(4):362–70
Prenatal and early postnatal exposure to zimelidine: behavioral, neurochemical and histological findings in rats. Grimm VE, et al. **Int J Neurosci** 1987 Apr;33(3–4):225–35

The effects of mild maternal stress during pregnancy on the behavior of rat pups. Grimm VE, et al. **Int J Neurosci** 1987 Jul;35(1-2):65-72

Postnatal development and neoplastic disease pattern in NMRI mice after combined treatment with ethylnitrosourea and X-irradiation on different days of the fetal period. Wiggenhauser A, et al. **Int J Radiat Biol** 1987 Jun;51(6):1021-9

Antimitotic drugs (cyclophosphamide and vinblastine) in the male rat. Deaths and behavioral abnormalities in the offspring. Auroux MR, et al. **J Androl** 1986 Nov-Dec; 7(6):378-86

Acute leukemia during pregnancy: the Toronto Leukemia Study Group experience with long-term follow-up of children exposed in utero to chemotherapeutic agents. Reynoso EE, et al. **J Clin Oncol** 1987 Jul;5(7):1098-106

Prenatal influences on development: behavior is not a trivial aspect of fetal life. Smotherman WP, et al. **J Dev Behav Pediatr** 1987 Jun;8(3):171-6

Effects of prenatal X-irradiation on open-field behavior in rats: application of randomized fostering technique and mapping results. Tachibana T. **J Gen Psychol** 1986 Oct; 113(4):379-92

Prenatal exposure to alcohol alters the Golgi apparatus of newborn rat hepatocytes: a cytochemical study. Renau-Piqueras J, et al. **J Histochem Cytochem** 1987 Feb; 35(2):221-8

Vulnerability to stress among women with in utero diethylstilbestrol (DES) exposed daughters. Gutterman EM, et al. **J Human Stress** 1985 Fall;11(3):103-10

Outcome of pregnancy in the rat with mild hyperphenylalaninaemia and hypertyrosinaemia: implications for the management of "human maternal PKU". Lewis SA, et al. **J Inherited Metab Dis** 1985;8(3):113-7

Minor physical anomalies and learning disability: what is the prenatal component? Marino RV, et al. **J Natl Med Assoc** 1987 Jan;79(1):37-9

Psychosis and prenatal exposure to diethylstilbestrol. Katz DL, et al. **J Nerv Ment Dis** 1987 May;175(5):306-8

Prenatal monosodium glutamate causes long-lasting cholinergic and adrenergic changes in various brain regions. Frieder B, et al. **J Neurochem** 1987 May; 48(5):1359-65

Effects of perinatal vitamin B6 deficiency on dopaminergic neurochemistry [published erratum appears ' in J Neurochem 1987 Jul;49(1):328] Guilarte TR, et al. **J Neurochem** 1987 Feb;48(2):432-9

Lymphocyte abnormalities in infants born to drug-abusing mothers. Culver KW, et al. **J Pediatr** 1987 Aug; 111(2):230-5

Prognosis in fetal valproate syndrome [letter] Massa G, et al. **J Pediatr** 1987 Aug;111(2):308-10

Uterine inversion secondary to placenta accreta in a diethylstilbestrol-exposed parturient. A case report. Bellucci M, et al. **J Reprod Med** 1987 Mar;32(3):236-7

Effects of caffeine administered during pregnancy on fetal development and subsequent function in the adult rat: prolonged effects on a second generation. Pollard I, et al. **J Toxicol Environ Health** 1987;22(1):1-15

Maternal smoking during pregnancy and the risk of childhood cancer [letter] Stjernfeldt M, et al. **Lancet** 1986 Sep 20;2(8508):687-8

Chronic radiation leukemogenesis: postnatal hematopathologic effects resulting from in-utero irradiation. Seed TM, et al. **Leuk Res** 1987;11(2):171-9

Persisting subsensitivity of the striatal dopamine system after fetal exposure to beta-endorphin. Sandman CA, et al. **Life Sci** 1986 Nov 10;39(19):1755-63

Debendox [letter] Elbourne D, et al. **Med J Aust** 1986 Mar 3;144(5):280

Learning performance of rats after pre- and postnatal application of arginine-vasopressin. Ermisch A, et al. **Monogr Neural Sci** 1986;12:142-7

The influence of maternal adrenal function during gestation on hormonal and long-term behavioral parameters in the offspring of rats. Götz F, et al. **Monogr Neural Sci** 1986; 12:112-6

Prenatal stress feminizes adult male saccharin preference and maze learning: antagonism by propranolol. McGivern RF, et al. **Monogr Neural Sci** 1986;12:172-8

Prenatal diethylstilbestrol exposure: behavioral consequences in humans. Meyer-Bahlburg HF, et al. **Monogr Neural Sci** 1986;12:90-5

Tyrosine prevents the diminished male copulatory behavior in prenatally stressed male rats. Ohkawa T, et al. **Monogr Neural Sci** 1986;12:167-71

Prenatal ACTH and corticosteroids, development and behavior in rat. Peruzović M, et al. **Monogr Neural Sci** 1986;12:103-11

Environment-dependent changes of neurotransmitter levels in the developing brain of rats. Stahl F, et al. **Monogr Neural Sci** 1986;12:185-90

Effects of pre- and postnatal cholecystokinin treatment on brain development in rats. Telegdy G, et al. **Monogr Neural Sci** 1986;12:153-60

Rates and risks of diethylstilbestrol-related clear-cell adenocarcinoma of the vagina and cervix. An update. Melnick S, et al. **N Engl J Med** 1987 Feb 26;316(9):514-6

Lead and child development. Davis JM, et al. **Nature** 1987 Sep 24-30;329(6137):297-300

Saccharin preference in animals prenatally exposed to alcohol: no evidence of altered sexual dimorphism. Abel EL, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct; 8(5):521-3

Developmental and longterm neurobehavioral toxicity of low level in-utero cadmium exposure in rats. Ali MM, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):463-8

Prenatal alcohol exposure and offspring hyperactivity: effects of para-chlorophenylalanine and methysergide. Bond NW. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):667-73

Prenatal drug exposure: effects on neonatal and infant growth and development. Chasnoff IJ, et al. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):357-62

Behavioral and developmental effects of prenatal exposure to pentazocine and tripelennamine combinations. Driscoll CD, et al. **Neurobehav Toxicol Teratol** 1986 Nov-Dec; 8(6):605-13

Prenatal diazepam: chronic anxiety and deficits in brain receptors in mature rat progeny. Livezey GT, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):425-32

Prenatal exposure to diazepam: late postnatal teratogenic effect. Livezey GT, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):433-40

Irreversible changes in mature and aging animals following intrauterine drug exposure. Martin JC. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):335-43 (64 ref.)

Behavioral and developmental effects in rats following in utero exposure to 2,4-D/2,4,5-t mixture. Mohammad FK, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):551-60

Prenatal exposure to ethanol potentiates morphine-induced hypothermia in adult rats. Nelson LR, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):469-74

The effects of prenatal retinoic acid on the viability and behavior of the offspring. Nolen GA. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):643-54

Perinatal substance abuse: research and clinical perspectives. Sonderegger TB. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):325-7

Methodological issues in detecting specific long-term consequences of perinatal drug exposure. Strauss ME, et al. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):369-73 (22 ref.)

Attention, distraction and reaction time at age 7 years and prenatal alcohol exposure. Streissguth AP, et al. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):717-25

Prenatal ethanol exposure alters rat brain morphology but does not affect amygdaloid kindling. Viirre E, et al. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):615-20

Effect of perinatal exposure to methadone on brain opioid and alpha 2-adrenergic receptors. Wang C, et al. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):399-402

Side preference behavior in rats exposed to alcohol prenatally. Zimmerberg B, et al. **Neurobehav Toxicol Teratol** 1986 Nov-Dec;8(6):631-5

Effect of prenatal alcohol exposure on sexual maturation of female rat offspring. Esquifino AI, et al. **Neuroendocrinology** 1986;44(4):483-7

Infantile herpes zoster ophthalmicus and acute hemiparesis following intrauterine chickenpox. Leis AA, et al. **Neurology** 1987 Sep;37(9):1537-8

Alterations in the thermic response to chlorpromazine in rats exposed prenatally to central nervous system depressants. Fujii T, et al. **Neuropharmacology** 1986 Aug;25(8):845-51

Critical development periods for inhibition of ornithine decarboxylase by alpha-difluoromethylornithine: effects on ontogeny of sensorimotor behavior. Bell JM, et al. **Neuroscience** 1986 Oct;19(2):457-64

Deficits on a spatial navigation task following prenatal exposure to ethanol. Blanchard BA, et al. **Neurotoxicol Teratol** 1987 May-Jun;9(3):253-8

Neonatal behavioural correlates of prenatal exposure to marihuana, cigarettes and alcohol in a low risk population. Fried PA, et al. **Neurotoxicol Teratol** 1987 Jan-Feb;9(1):1-7

Delta-9-tetrahydrocannabinol during pregnancy in the rat: I. Differential effects on maternal nutrition, embryotoxicity, and growth in the offspring. Hutchings DE, et al. **Neurotoxicol Teratol** 1987 Jan-Feb;9(1):39-43

Perinatal diazepam exposure: behavioral and neurochemical consequences. Lauer JA, et al. **Neurotoxicol Teratol** 1987 May-Jun;9(3):213-9

Influence of prenatal exposure to cimetidine and alcohol on selected morphological parameters of sexual differentiation: a preliminary report. McGivern RF. **Neurotoxicol Teratol** 1987 Jan-Feb;9(1):23-6

Prenatal alcohol exposure: effects on acoustic startle and prepulse inhibition. Potter BM, et al. **Neurotoxicol Teratol** 1987 Jan-Feb;9(1):17-21

Maze learning in rats: a comparison of performance in two water mazes in progeny prenatally exposed to different doses of phenytoin. Vorhees CV. **Neurotoxicol Teratol** 1987 May-Jun;9(3):235-41

Early neurobehavioral and neurochemical alterations in rats prenatally exposed to imipramine. Ali SF, et al. **Neurotoxicology** 1986 Summer;7(2):365-80

Fetal-placental-maternal uptake of aluminum in mice following gestational exposure: effect of dose and route of administration. Cranmer JM, et al. **Neurotoxicology** 1986 Summer;7(2):601-8

Mouse pup vocalizations following in utero exposure to fluorodeoxyuridine. Galloway WD, et al. **Neurotoxicology** 1986 Summer;7(2):227-33

An evaluation of figure-eight maze activity and general behavioral development following prenatal exposure to forty chemicals: effects of cytosine arabinoside, dinocap, nitrofen, and vitamin A. Gray LE Jr, et al. **Neurotoxicology** 1986 Summer;7(2):449-62 (35 ref.)

Maternal drug therapy: effect on fetal and neonatal growth and neurobehavior. Hill RM, et al. **Neurotoxicology** 1986 Summer;7(2):121-39

Enduring effects of prenatal diazepam on the behavior, EEG, and brain receptors of the adult cat progeny. Livezey GT, et al. **Neurotoxicology** 1986 Summer;7(2):319-33

Phenobarbital during pregnancy in mouse and man. Middaugh LD. **Neurotoxicology** 1986 Summer;7(2):287-301

Developmental effects of cannabis. Nahas G, et al. **Neurotoxicology** 1986 Summer;7(2):381-95 (100 ref.)

Developmental neurotoxicology of in utero exposure to industrial solvents in experimental animals. Nelson BK. **Neurotoxicology** 1986 Summer;7(2):441-7

Teaching information and information-seeking skills concerning prenatal drug effects: successful intervention at the high school level. Olson LW. **Neurotoxicology** 1986 Summer;7(2):397-411

Fetal anticonvulsant drug exposure: a population based study. Robertson LD, et al. **Neurotoxicology** 1986 Summer; 7(2):413-9

Long-term consequences of neonatal exposure to chlordecone. Sierra V, et al. **Neurotoxicology** 1986 Summer;7(2):609-21

Early behavioral alterations in mice following prenatal carbon monoxide exposure. Singh J. **Neurotoxicology** 1986 Summer;7(2):475-81

Maternal exposure to environmental chemicals. Tabacova S. **Neurotoxicology** 1986 Summer;7(2):421-40 (140 ref.)

Human papillomavirus associated with vaginal intraepithelial neoplasia in women exposed to diethylstilbestrol in utero. Bornstein J, et al. **Obstet Gynecol** 1987 Jul;70(1):75-80

Clear-cell adenocarcinoma of the lower genital tract: Memorial Hospital 1974-1984. Jones WB, et al. **Obstet Gynecol** 1987 Oct;70(4):573-7

The psychomotor development of full term infants whose mothers were treated with glucocorticosteroids during pregnancy. Levin S, et al. **Padiatr Padol** 1986;21(3):233-9

Cervical colonization with Ureaplasma urealyticum and pregnancy outcome: prospective studies. Harrison HR. **Pediatr Infect Dis** 1986 Nov-Dec;5(6 Suppl):S266-9

Accelerated growth and abnormal glucose tolerance in young female rats exposed to fetal hyperinsulinemia. Cha CJ, et al. **Pediatr Res** 1987 Jan;21(1):83-7

Prenatal starvation retards development of the ventilatory response to hypoxia in newborn guinea pigs. Lechner AJ, et al. **Pediatr Res** 1986 Oct;20(10):920-4

Effect of chronic caffeine intake on myocardial function during early growth. Temples TE, et al. **Pediatr Res** 1987 Apr;21(4):391-5

DES effect on males [letter] Rosenfield RL, et al. **Pediatrics** 1978 Jan;61(1):154-5

Prenatal stress increases the behavioral response to serotonin agonists and alters open field behavior in the rat. Peters DA. **Pharmacol Biochem Behav** 1986 Oct;25(4):873-7

Tyrosine administration to pregnant rats induces persistent behavioral modifications in the male offspring. Arevalo R, et al. **Physiol Behav** 1987;39(4):477-81

Severe early malnutrition and DRL performance in the rat. Finger S, et al. **Physiol Behav** 1986;38(5):731-4

Effects of prenatal stress on vulnerability to stress in prepubertal and adult rats. Fride E, et al. **Physiol Behav** 1986;37(5):681-7

Maternal malnutrition in the rat: effects on food intake and body weight. Kanarek RB, et al. **Physiol Behav** 1986 Oct; 38(4):509-15

Effects of prenatal testosterone propionate treatment on saccharin preference of adult rats exposed to ethanol in utero. McGivern RF, et al. **Physiol Behav** 1987;39(2):241-6

Prenatal stress eliminates differential maternal attention to male offspring in Norway rats. Power KL, et al. **Physiol Behav** 1986;38(5):667-71

The effect of low-level prenatal X-irradiation on postnatal development in the Wistar rat. Jensh RP, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):256-63

Prenatal androgen exposure and growth and secretion of growth hormone and prolactin in ewes postweaning. Klindt J, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):201-5

Psychopathology in prenatally DES-exposed females: current and lifetime adjustment. Ehrhardt AA, et al. **Psychosom Med** 1987 Mar-Apr;49(2):183-96

Retinal dysplasia and progressive atrophy in dogs irradiated during ocular development. Schweitzer DJ, et al. **Radiat Res** 1987 Aug;111(2):340-53

Retroviruses and mouse embryos: a rapid model for neurovirulence and transplacental antiviral therapy. Sharpe AH, et al. **Science** 1987 Jun 26;236(4809):1671-4

Diethylstilbestrol in pregnancy: an update. Barter JF, et al. **South Med J** 1986 Dec;79(12):1531-4 (33 ref.)

Studies of the effect of 0.4-Gy and 0.6-Gy prenatal X-irradiation on postnatal adult behavior in the Wistar rat. Jensh RP, et al. **Teratology** 1987 Feb;35(1):53-61

Behavioral toxicity of nitrous oxide in rats following prenatal exposure. Mullenix PJ, et al. **Toxicol Ind Health** 1986 Sep; 2(3):273-87

Prenatal exposure to methylmercury alters development of adrenergic receptor binding sites in peripheral sympathetic target tissues. Slotkin TA, et al. **Toxicol Lett** 1987 Feb; 35(2-3):285-95

Delayed development of reproductive functions and

alteration of dopamine receptor binding in hypothalamus of rats exposed prenatally to phenytoin and phenobarbital. Takagi S, et al. **Toxicol Lett** 1986 Nov;34(1):107–13

Effects of prenatal and postnatal exposure to gentamicin on renal differentiation in the rat. Gilbert T, et al. **Toxicology** 1987 Mar;43(3):301–13

Mice exposed in utero to low concentrations of benzene exhibit enduring changes in their colony forming hematopoietic cells. Keller KA, et al. **Toxicology** 1986 Dec 15;42(2–3):171–81

Effect of pre and postnatal lithium chloride ingestion on the developing mouse. Messiha FS. **Vet Hum Toxicol** 1986 Dec; 28(6):554–6

[The "pup-food-retrieval test" with golden hamster females to demonstrate prenatally-induced disorders] Gattermann R. **Z Versuchstierkd** 1986;28(4):199–203 (Eng. Abstr.) **(Ger)**

[The development of swimming behavior in golden hamsters as a behavioral toxicology test] Gattermann R, et al. **Z Versuchstierkd** 1986;28(4):193–8 (Eng. Abstr.) **(Ger)**

[Teratological information by telephone (letter)] Kljuber V, et al. **Orv Hetil** 1987 Apr 12;128(15):811 **(Hun)**

[Effects of maternal alcohol exposure during gestation and/or lactation periods on radial-maze learning in offspring rats] Iwasaki T. **Yakubutsu Seishin Kodo** 1986 Sep;6(3):319–25 (Eng. Abstr.) **(Jpn)**

[Prenatal factors implicated in infant pathology] Nicolau S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Oct–Dec; 35(4):309–16 (0 ref.) **(Rum)**

[Effect of therapeutic hyperoxia on the functional reserves of pregnant animals and their fetuses] Ballina MI, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):32–5 (Eng. Abstr.) **(Rus)**

[Pharmacologic depression of the fetus and newborn infant as a risk factor for disorders of postnatal adaptation] Sukhanova LP, et al. **Akush Ginekol (Mosk)** 1987 Jan; (1):27–32 (Eng. Abstr.) **(Rus)**

[Changes in the anatomic structures and cellular composition of lymph nodes after prenatal exposure to oleandomycin] Dolgova MA, et al. **Arkh Anat Gistol Embriol** 1986 Nov; 91(11):53–60 (Eng. Abstr.) **(Rus)**

[Effect of stress experienced during pregnancy on the rate of lipid peroxidation in erythrocytes and brain tissue of newborn rat pups] Bankova VV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):40–3 (Eng. Abstr.) **(Rus)**

[Prenatal hydrocortisone modification of the adrenocortical function of adult rats with hereditary arterial hypertension] Dygalo NN, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):287–9 (Eng. Abstr.) **(Rus)**

[Sensitivity of rat hepatocytes to phenobarbital after a single dose of N-nitrosodiethylamine in the embryonal and postnatal period or after partial hepatectomy] Vinarchuk MP, et al. **Eksp Onkol** 1987;9(1):9–11 (Eng. Abstr.) **(Rus)**

[Development of dental caries in children in relation to the working conditions of their mothers] Letunov SA. **Gig Sanit** 1987 Jun;(6):83–4 **(Rus)**

[Nucleic acids of the lymphoid cells of the pregnant rat subjected to space flight and its progeny] Komolova GS, et al. **Kosm Biol Aviakosm Med** 1987 May–Jun;21(3):66–9 (Eng. Abstr.) **(Rus)**

[Composition of alveolar air and the alveolo-arterial gradient of respiratory gases and its significance in evaluation pulmonary respiration in newborn infants which have developed in utero in normal and complicated conditions] Iaroslavskil VK. **Pediatriia** 1987;(1):107 **(Rus)**

[Development and morbidity of infants born to alcoholic women] Zelts RI, et al. **Pediatriia** 1987;(4):54–5 **(Rus)**

[Structure of the sleep of newborn infants as an index if degree of maturity and lesions of the central nervous system in different forms of perinatal pathology] Evsiukova II. **Vestn Akad Med Nauk SSSR** 1987;(1):46–51 (Eng. Abstr.) **(Rus)**

[Features of the adaptation of newborn infants with diabetic mothers] Poliakova GP, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):68–72 (Eng. Abstr.) **(Rus)**

[Combination of hydantoins and valproate. Evidence of its teratogenic effect in 4 consecutive gestations (published erratum appears in An Esp Pediatr 1987 Feb;26(2):156)] Durá T, et al. **An Esp Pediatr** 1986 Dec;25(6):457–61 (Eng. Abstr.) **(Spa)**

[Hemorrhagic disease of the newborn infant secondary to coumarins] Fernández Lago C, et al. **An Esp Pediatr** 1987 Feb;26(2):143–4 **(Spa)**

[Relation between the ingestion of benzodiazepines during pregnancy and the appearance of oral clefts in the newborn: a case-control study] Rodríguez Pinilla E, et al. **Med Clin (Barc)** 1986 Nov 29;87(18):741–3 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Differential effects of prenatal exposure to alcohol on activity and circling behavior in rats. Zimmerberg B, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1021–5

PRENAZONE see under **PHENYLBUTAZONE**

PRENIDATION PHASE see **PREIMPLANTATION PHASE**

PRENYLAMINE

ADVERSE EFFECTS

Torsades de pointe with prenylamine [letter] Mohr R. **Lancet** 1986 Nov 22;2(8517):1218

PHARMACODYNAMICS

Antibacterial action of prenylamine (Corontin) on streptococci. Füzi M. **Ther Hung** 1984;32(4):166–8

THERAPEUTIC USE

Synadrin for angina: obsolete? **Drug Ther Bull** 1987 Jul 27; 25(15):59–60

PREOPERATIVE CARE

The efficacy of ranitidine in children. Goudsouzian NG, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):387–90

Changes in nutritional and immunologic parameters after preparation for colonic surgery. Montanari M, et al. **Acta Chir Scand** 1986 Aug–Sep;152:527–30

Incidence of wound infection in patients undergoing craniotomy: influence of type of shaving. Zentner J, et al. **Acta Neurochir (Wien)** 1987;86(3–4):79–82

Role of preoperative hemodynamic monitoring in intraoperative fluid management. Yang SC, et al. **Am Surg** 1986 Oct;52(10):536–40

The effect of different pre-operative feeding regimens on plasma glucose and gastric volume and pH in infancy. van der Walt JH, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):352–9

Blood tests before elective surgery [letter] Jacobsen J, et al. **Anaesthesia** 1987 Jan;42(1):78–9

Preoperative oral fluids [letter] Crawford JS. **Anesth Analg** 1987 Sep;66(9):914–5

Preoperative oral fluids: is a five-hour fast justified prior to elective surgery? Maltby JR, et al. **Anesth Analg** 1986 Nov;65(11):1112–6

Effect of bisacodyl on gut lavage cleansing for colonoscopy. Brady CE 3d, et al. **Ann Clin Res** 1987;19(1):34–8

The activated partial thromboplastin time and factor XI deficiency [letter] Seligsohn U. **Ann Intern Med** 1986 Nov; 105(5):805

The value of routine preoperative investigations. McKee RF, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):160–2

Preoperative tests for staging of esophageal carcinoma [letter] Johnson CD. **Ann Thorac Surg** 1987 Jun;43(6):687–8

Touch. Research findings and use in preoperative care. Clement JM. **AORN J** 1987 Jun;45(6):1429–39

Preoperative care unit. An alternative to the holding room. Cramer C, et al. **AORN J** 1987 Feb;45(2):464–72

Blood pressure as a parameter in dermatologic surgery. Dzubow LM. **Arch Dermatol** 1986 Dec;122(12):1406–7

Preoperative stabilisation in congenital diaphragmatic hernia. Cartlidge PH, et al. **Arch Dis Child** 1986 Dec;61(12):1226–8

Additional comments on the effect of triamcinolone injection [letter] Wilson MR, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1166

Pyloric stenosis—a timed perspective. Golladay ES, et al. **Arch Surg** 1987 Jul;122(7):825–6

High calorie and protein clear fluid regime for pre-operative bowel preparation. Fletcher JP, et al. **Aust NZ J Surg** 1986 Sep;56(9):693–5

Preoperative myocardial ischaemia: its relation to perioperative infarction. Yousif H, et al. **Br Heart J** 1987 Jul;58(1):9–14

Can one risk fasting the obstetric patient for less than 4 hours? Lewis M, et al. **Br J Anaesth** 1987 Mar;59(3):312–4

Anaesthesia for patients with cardiac disease. Preoperative management. Masey SA, et al. **Br J Hosp Med** 1987 May; 37(5):386–96

The pre-operative embolisation of vascular malformations. Vaughan M, et al. **Br J Radiol** 1985 Aug;58(692):717–20

Mechanical bowel preparation for colonic resection and anastomosis. Irving AD, et al. **Br J Surg** 1987 Jul; 74(7):580–1

Bowel preparation for colorectal surgery [editorial] Johnston D. **Br J Surg** 1987 Jul;74(7):553–4

The effect of preoperative oral fluid and ranitidine on gastric fluid volume and pH. Sutherland AD, et al. **Can J Anaesth** 1987 Mar;34(2):117–21

Preoperative management of the patient with coronary artery disease before abdominal aortic surgery. Weisel RD. **Can J Surg** 1987 Jul;30(4):237–9

Vaginal preparation with povidone-iodine before abdominal hysterectomy. A comparison with antibiotic prophylaxis. Zakut H, et al. **Clin Exp Obstet Gynecol** 1987;14(1):1–5

Perioperative management of the patient with diabetes mellitus undergoing outpatient or elective surgery. Fetchick DA, et al. **Clin Podiatr Med Surg** 1987 Apr; 4(2):439–43

Compliance with the Royal College of Radiologists' guidelines on the use of pre-operative chest radiographs. Fowkes FG, et al. **Clin Radiol** 1987 Jan;38(1):45–8

Comparison of oral lavage methods for preoperative colonic cleansing. Beck DE, et al. **Dis Colon Rectum** 1986 Nov; 29(11):699–703

Effect of a strict preoperative hygienic routine on the rate of infections following cesarean section. Hägglund L, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov; 23(3–4):187–94

Predictive value of exercise renography for presurgical evaluation of nephrogenic hypertension. Clorius JH, et al. **Hypertension** 1987 Sep;10(3):280–6

Preoperative planning of total hip arthroplasty. Capello WN. **Instr Course Lect** 1986;35:249–57

The effect of preoperative total parenteral nutrition on surgery outcomes. Grimes CJ, et al. **J Am Diet Assoc** 1987 Sep;87(9):1202–6

Usefulness of routine preoperative chest roentgenograms in elderly patients. Boghosian SG, et al. **J Am Geriatr Soc** 1987 Feb;35(2):142–6

Pre-operative evaluation of abdominal aortic aneurysms: ultrasound or computed tomography? Gomes MN, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):159–66

Injectable prostaglandin inhibitors prior to cataract surgery [letter] Gills JP. **J Cataract Refract Surg** 1987 Jul; 13(4):459–60

Presurgical anxiety and postsurgical pain and adjustment: effects of a stress inoculation procedure. Wells JK, et al. **J Consult Clin Psychol** 1986 Dec;54(6):831–5

Preoperative evaluation of the patient for dermabrasion. Yarborough JM Jr. **J Dermatol Surg Oncol** 1987 Jun; 13(6):652–3

Stopping and restarting medications in the perioperative period. Cygan R, et al. **J Gen Intern Med** 1987 Jul–Aug; 2(4):270–83 (97 ref.)

Preoperative medical consultations in a community hospital. Ferguson RP, et al. **J Gen Intern Med** 1987 Mar–Apr; 2(2):89–92

The art and science of perioperative consultation: here we are and where we should be going [editorial] Goldman L. **J Gen Intern Med** 1987 Jul–Aug;2(4):284–5

Preoperative evaluation: the assessment and management of surgical risk. Kroenke K. **J Gen Intern Med** 1987 Jul–Aug; 2(4):257–69 (99 ref.)

Transplant patients' perceptions about effective preoperative teaching. Berron K. **J Heart Transplant** 1986 Mar–Apr; 5(2):162–5

Bridging circulatory support before heart transplant without invasion of the mediastinum. Phillips SJ, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):116–9

External silo reduction of the unruptured giant omphalocele. Barlow B, et al. **J Pediatr Surg** 1987 Jan;22(1):75–6

The safety and cost-effectiveness of polyethylene glycol electrolyte solution bowel preparation in infants and children. Tuggle DW, et al. **J Pediatr Surg** 1987 Jun; 22(6):513–5

Whole bowel irrigation: experience in pediatric patients. Vila JJ, et al. **J Pediatr Surg** 1987 May;22(5):447–50

Routine template bleeding time determinations before cardiac procedures [letter] Ferraris VA, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):474–6

Preoperative consultation. **Med Clin North Am** 1987 May; 71(3):353–590

Preoperative evaluation of the oncology patient. McClay EF, et al. **Med Clin North Am** 1987 May;71(3):529–40 (39 ref.)

The medical consultant. Merli GJ, et al. **Med Clin North Am** 1987 May;71(3):353–5

Nutritional aspects of preoperative management. Weiss SM. **Med Clin North Am** 1987 May;71(3):369–75

Primary preoperative management & transport of the surgical neonate—an updated view. Akel SR. **Middle East J Anesthesiol** 1987 Feb;9(1):27–44

Application of endoscopic papillotomy to carcinoma of the duodenal papilla: as jaundice-reducing treatment and as pre-treatment of laser irradiation. Katsuda H, et al. **Nippon Geka Hokan** 1986 May 1;55(3):467–72

Preoperative nutritional support. **Nutr Rev** 1986 Jul; 44(7):230–2 (14 ref.)

Who should have intravenous pyelograms before hysterectomy for benign disease? Piscitelli JT, et al. **Obstet Gynecol** 1987 Apr;69(4):541–5

Rational preoperative evaluation. Muskett AD, et al. **Postgrad Med J** 1986 Oct;62(732):925–8

Clinical considerations of cardiac transplantation in organ transplantation: preoperative and postoperative evaluation. Andreone PA, et al. **Radiol Clin North Am** 1987 Mar; 25(2):357–66 (47 ref.)

The effect of form and dimension on the management of the maxillary arch in unilateral cleft lip and palate conditions. Huddart AG. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):53–6

Perioperative nutritional support in the cancer patient. Chwals WJ, et al. **Surg Clin North Am** 1986 Dec; 66(6):1137–65 (67 ref.)

Preoperative and adjuvant chemotherapy in locally advanced non-small cell lung cancer. Kris MG, et al. **Surg Clin North Am** 1987 Oct;67(5):1051–9

Hair and asepsis and antisepsis [editorial] Beck WC. **Surg Gynecol Obstet** 1986 Nov;163(5):479

Intestinal anastomosis after preoperative radiation therapy for carcinoma of the rectum. Friedmann P, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):257–60

Preoperative radiotherapy and intra-abdominal metastasis of the lymph node in the surgical treatment of carcinoma of the thoracic esophagus. Maeta M, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):235–8

Use of radionuclide scanning in the preoperative estimation of pulmonary function after pneumonectomy. Corris PA, et al. **Thorax** 1987 Apr;42(4):285–91

Preoperative chemotherapy and radiotherapy in the management of epidermoid carcinoma of the anal canal.

Secco GB, et al. **Tumori** 1987 Apr 30;73(2):151–5

Preoperative portal vein embolization for hepatocellular carcinoma. Kinoshita H, et al. **World J Surg** 1986 Oct; 10(5):803–8

The value of preoperative chlorhexidine shower in vascular surgery [letter] Schifter S, et al. **World J Surg** 1986 Oct; 10(5):895

[Lymph drainage via the thoracic duct in patients undergoing renal transplantation: pre- and postoperative nursing care] Li QS. **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):215–6 **(Chi)**

[Nursing of patients with thromboangiitis obliterans treated by free omentum transplants] Wang GY, et al. **Chung Hua Hu Li Tsa Chih** 1986 Dec;21(9):398–9 **(Chi)**

[Care of patients undergoing transplantation of the greater omentum pedicle to the spinal cord] Wang LJ. **Chung Hua Hu Li Tsa Chih** 1987 Feb;22(2):57–9 **(Chi)**

[Coordination of the redressment of the single cardioventricle] Wang ZP, et al. **Chung Hua Hu Li Tsa Chih** 1986 Nov;21(8):350–1 **(Chi)**

[Whole bowel irrigation as preparation for colorectal surgery] Beaurang J, et al. **Acta Chir Belg** 1986 Nov–Dec; 86(6):329–32 (Eng. Abstr.) **(Dut)**

[The removal or not of hair in the operative field and the prevention of wound infections] van der Ploeg GC. **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2258–60 **(Dut)**

[Value of intravenous urography in the preoperative evaluation for prostatectomy] Pacco J, et al. **Acta Urol Belg** 1987;55(1):68–73 (Eng. Abstr.) **(Fre)**

[Evaluation of a protocol for selective ordering of preoperative tests in healthy subjects] Bléry C, et al. **Ann Fr Anesth Reanim** 1987;6(1):64–70 (Eng. Abstr.) **(Fre)**

[Preoperative assessment of respiratory risk] Sadoul P, et al. **Ann Fr Anesth Reanim** 1986;5(3):330–40 (50 ref.) **(Fre)**

[When and how to treat preoperative hypokalemia] Guévart E, et al. **Cah Anesthesiol** 1986 Oct;34(6):513–8 **(Fre)**

[Preanesthetic cardiocirculatory evaluation] Brigljevic M, et al. **Rev Med Suisse Romande** 1986 Nov;106(11):1055–65 (10 ref.) **(Fre)**

[Heart surgery in acute bacterial endocarditis without preoperative heart catheterization. Long-term observation of 40 patients] Becher H, et al. **Dtsch Med Wochenschr** 1987 Mar 27;112(13):498–503 (Eng. Abstr.) **(Ger)**

[Treatment of patients awaiting heart transplant] Contini C, et al. **Cardiologia** 1986 Nov;31(11):1039–41 **(Ita)**

[Role of an immunomodulator in oncologic surgery: possibilities and limitations] Butti A, et al. **Chir Patol Sper** 1984 Oct;32(5):215–27 (Eng. Abstr.) **(Ita)**

[Preoperative assessment of sinus dysfunctions by transesophageal stimulation] Beltrami M, et al. **Minerva Anestesiol** 1986 Jun-Jul;52(6–7):179–82 (Eng. Abstr.) **(Ita)**

[Supportive parenteral nutrition in surgical patients at risk. Prognostic findings in 80 cases] Borioni R, et al. **Minerva Chir** 1987 Mar 15;42(5):395–9 (Eng. Abstr.) **(Ita)**

[Effects of preoperative exercise training on pulmonary function in elderly patients] Takeuchi Y. **Fukuoka Igaku Zasshi** 1987 Mar;78(3):105–20 (Eng. Abstr.) **(Jpn)**

[Preoperative radiotherapy of carcinoma of the stomach and breast] Kamimura S, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1558–63 (Eng. Abstr.) **(Jpn)**

[Preoperative radiotherapy of brain tumors] Kondo T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1550–7 (Eng. Abstr.) **(Jpn)**

[A study of preoperative administration of CDDP in 10 cases of esophageal carcinoma] Shimizu H, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):735–7 **(Jpn)**

[Doxorubicin intra-arterial chemotherapy combined with low-dose irradiation in bladder cancer] Uyama T, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2293–9 (Eng. Abstr.) **(Jpn)**

[A pre- and post-operative clinical study in three patients with benign prostatic hypertrophy and implicated chronic renal failure] Hirano S, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1105–12 (Eng. Abstr.) **(Jpn)**

[Surgical treatment following administration of prostaglandin E in a ductus-dependent neonate with cyanotic congenital heart disease] Tashiro T, et al. **Kyobu Geka** 1987 Mar; 40(4):271–9 (Eng. Abstr.) **(Jpn)**

[Comparative investigation of effect of preoperative treatment and "safe margin" in oral squamous cell carcinoma] Ohno A, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Oct 20;21(9):2234–42 (Eng. Abstr.) **(Jpn)**

[Preoperative prismatic correction in patients with strabismus convergence concomitants] Ohtsuki H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1707–13 (Eng. Abstr.) **(Jpn)**

[Therapeutic value of transcatheter embolization in malignant tumors of the renal parenchyma] Manojlović D, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):631–7 (Eng. Abstr.) **(Scc)**

[Use of immunoglobulin fraction S-7 in the preoperative stabilization of a patient with myasthenia gravis (letter)] Cortés Forteza C, et al. **Rev Esp Anestesiol Reanim** 1987 Mar-Apr;34(2):162–3 **(Spa)**

METHODS

Preoperative treatment of acute cardiac tamponade due to continuous intrapericardial bleeding [letter] Aravot DJ, et al. **Am J Cardiol** 1987 Sep 1;60(7):645–6

Colonization resistance and preoperative preparation of patients for colorectal surgery. Van den Bogaard AE, et al. **Ann Ist Super Sanita** 1986;22(3):911–4

The treatment of acute cholangitis. Percutaneous transhepatic biliary drainage before definitive therapy. Pessa ME, et al. **Ann Surg** 1987 Apr;205(4):389–92

Pre-operative prediction of exposure for operative cholangiography. Hallan RI, et al. **Br J Surg** 1986 Oct; 73(10):782

Value of nutritional parameters in the prediction of postoperative complications in elective gastrointestinal surgery. Leite JF, et al. **Br J Surg** 1987 May;74(5):426–9

Indicators of depressed fibrinolytic activity in pre-operative prediction of deep venous thrombosis. Sue-Ling HM, et al. **Br J Surg** 1987 Apr;74(4):275–8

Assessment before prostatectomy [editorial] O'Reilly PH. **Br Med J [Clin Res]** 1987 May 30;294(6584):1370–1

Patient preparation in pediatric surgery. Mahan CC, et al. **Clin Podiatr Med Surg** 1987 Jan;4(1):1–9

Preparation for elective colorectal surgery. A randomized, blinded comparison between oral colonic lavage and whole-gut irrigation. Dueholm S, et al. **Dis Colon Rectum** 1987 May;30(5):360–4

Surgery on patients with malignant hyperthermia. Lekas MD, et al. **Ear Nose Throat J** 1986 Sep;65(9):38–44

Surgical preparation of the trauma victim. Hiatt JR. **Emerg Med Clin North Am** 1986 Nov;4(4):695–708 (23 ref.)

Clinical studies of 4 methods of bowel preparation in colorectal surgery. Debo Adeyemi S, et al. **Eur Surg Res** 1986;18(5):331–6

The clinical utility of preoperative therapy for sarcomas. Simon MA, et al. **J Bone Joint Surg [Am]** 1986 Dec; 68(9):1458–63 (28 ref.)

[A new method of preparing the large intestine before planned surgery and the results of clinical practice] Hrbek M, et al. **Rozhl Chir** 1987 Feb;66(2):135–9 (Eng. Abstr.) **(Cze)**

[Preoperative preparation and postoperative monitoring of a patient with hereditary angioneurotic edema] Joris J, et al. **Ann Fr Anesth Reanim** 1986;5(3):312–4 (Eng. Abstr.) **(Fre)**

[Skin preparation and postoperative parietal suppuration in digestive tract surgery (letter)] Champault G, et al. **J Chir (Paris)** 1986 Jun-Jul;123(6–7):444 **(Fre)**

[Anesthesia and the respiratory system] Schwander D, et al. **Rev Med Suisse Romande** 1986 Sep;106(9):847–55 **(Fre)**

[Presurgical orthodontic treatment of infants with cheilognathopalatoschisis] Komposch G. **Fortschr Kieferorthop** 1986 Oct;47(5):362–9 (Eng. Abstr.) **(Ger)**

[Presurgical orthodontic treatment in cheilognathopalatoschisis] Tränkmann J. **Fortschr Kieferorthop** 1986 Oct;47(5):370–9 (Eng. Abstr.) **(Ger)**

[Surgical preparation and technic and perioperative therapy in colorectal interventions: state of the art review] Grundmann R, et al. **Med Klin** 1987 Jul 17;82(15–16):532–7 (75 ref.) **(Ger)**

[Dental extractions in patients treated with anticoagulants. The preoperative assessment] Debernardi C, et al. **Minerva Stomatol** 1986 Nov;35(11):1043–7 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of methods of preparing the large intestine for surgery (review of the literature)] Perov IuA, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):108–15 (87 ref.) **(Rus)**

[Preoperative 2-stage thermoradiotherapy of breast cancer] Datsenko VO, et al. **Med Radiol (Mosk)** 1987 Jan; 32(1):38–40 **(Rus)**

[The postoperative period in malignant tumors of the paranasal sinuses following preoperative and radical regimens of neutron therapy] Kitsmaniuk ZD, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):11–4 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of preoperative local thermoradio- and thermochemotherapy of breast cancer using thermography] Zhovmir VK, et al. **Med Radiol (Mosk)** 1987 Jan;32(1):45–7 (Eng. Abstr.) **(Rus)**

[Preoperative thermoradio- and thermochemotherapy of breast cancer] Zhovmir VK, et al. **Med Radiol (Mosk)** 1987 Jan;32(1):43–5 (Eng. Abstr.) **(Rus)**

[Preoperative preparation for cataract extraction in diabetics] Karpovich AIa. **Vestn Oftalmol** 1987 May-Jun;103(3):21–3 (Eng. Abstr.) **(Rus)**

[Enteral feeding of patients with surgical diseases of the digestive tract using the Soviet balanced food mixture Inpitan] Sysoev IuA, et al. **Vopr Pitan** 1987 May-Jun; (3):19–24 (Eng. Abstr.) **(Rus)**

[Use of DIP-02 dialyzers in preparing patients for a kidney allograft] Baran EIa, et al. **Vrach Delo** 1986 Oct;(10):53–5 (Eng. Abstr.) **(Rus)**

NURSING

The preoperative interview. Its effect on perioperative nurses' empathy. Alverson E. **AORN J** 1987 May; 45(5):1158–64

PSYCHOLOGY

Music Rx: physiological and emotional responses to taped music programs of preoperative patients awaiting plastic surgery. Updike PA, et al. **Ann Plast Surg** 1987 Jul; 19(1):29–33

[Use of a biofeedback method and other therapeutic technics in preparing patients for surgery] Mellibruda L, et al. **Wiad Lek** 1986 Sep 15;39(18):1235–40 (Eng. Abstr.) **(Pol)**

PREOPTIC AREA

Postnatal or in utero ethanol exposure reduction of the volume of the sexually dimorphic nucleus of the preoptic area in male rats. Rudeen PK, et al. **Drug Alcohol Depend** 1986 Nov;18(3):247–52

ANALYSIS

Acetylcholine rhythm in the preoptic area of the rat hypothalamus is synchronized with the estrous cycle. Egozi Y, et al. **Brain Res** 1986 Sep 24;383(1–2):310–3

ANATOMY & HISTOLOGY

Anatomical and electrophysiological evidence for a projection from the medial preoptic area to the 'mesencephalic and subthalamic locomotor regions' in the rat. Swanson LW, et al. **Brain Res** 1987 Mar 3; 405(1):108–22

Ciliated neurons of the nucleus praeopticus magnocellularis and nucleus lateralis tuberis of an advanced teleost, Chelon labrosus (Risso, 1826). Gómez Segade P, et al. **J Hirnforsch** 1986;27(4):423–30

CYTOLOGY

Immunohistochemical demonstration of proGnRH and GnRH in the preoptic-basal hypothalamus of the primate. Ronnekleiv OK, et al. **Neuroendocrinology** 1987 Jun; 45(6):518–21

DRUG EFFECTS

Prenatal androgen exposure, preoptic area and reproductive functions in the female rat. Ito S, et al. **Brain Dev** 1986; 8(4):463–8

Septal-preoptic unit responses to microelectrophoresis of cholecystokinin, gastrin, vasoactive intestinal peptide and secretin in the rat. Akema T, et al. **Brain Res** 1986 Oct 22;385(2):366–70

Testosterone-induced enhancement of male medial preoptic tissue transplant volume in female recipients: a possible neuronotrophic action. Arendash GW, et al. **Brain Res** 1987 Jul;431(1):69–77

Neonatal testosterone modifies LH secretion in the adult female rat by altering the opioid-noradrenergic interaction in the medial preoptic area. Grossmann R, et al. **Brain Res** 1987 Jul 14;415(2):205–10

Effects of preoptic injections of gastrin, cholecystokinin, secretin, vasoactive intestinal peptide and PHI on the secretion of luteinizing hormone and prolactin in ovariectomized estrogen-primed rats. Kimura F, et al. **Brain Res** 1987 May 5;410(2):315–22

Role of the flank gland in vasopressin induced scent marking behavior in the hamster. Albers HE, et al. **Brain Res Bull** 1986 Sep;17(3):387–9

Dissociation of locomotor impairment from mydriasis evoked by clonidine injected into cat's rostral hypothalamus. Beleslin DB, et al. **Brain Res Bull** 1986 Sep;17(3):379–85

Polyadenylated and nonadenylated messenger RNA and androgen control of sexual behavior and scent marking in male gerbils. Yahr P, et al. **Horm Behav** 1987 Mar; 21(1):53–64

Effects of succinylcholine and related substances administered into the medial preoptic area on the local EEG, body temperature, heart rate, galvanic skin resistance and biogenic amines. Rau M, et al. **Indian J Physiol Pharmacol** 1985 Oct-Dec;29(4):185–98

Potentiation of pressor response to angiotensin II at the preoptic area in spontaneously hypertensive rat. Matsuda T, et al. **Life Sci** 1987 Aug 10;41(6):749–54

Oestrogen-induced desensitization to the negative oestrogen feedback. A mechanism involved in the sex-specific control of gonadotrophin secretion during sexual maturation and in adulthood. Döcke F, et al. **Monogr Neural Sci** 1986; 12:36–44

Direct, neuronal action of atrial natriuretic factor in the rat brain. Wong M, et al. **Neuroendocrinology** 1986;44(1):49–53

Reduction of the volume of the sexually dimorphic nucleus of the preoptic area by in utero ethanol exposure in male rats. Rudeen PK. **Neurosci Lett** 1986 Dec 23;72(3):363–8

Effects of air constituents on thermosensitivities of preoptic neurons: hypoxia versus hypercapnia. Tamaki Y, et al. **Pflugers Arch** 1987 Jun;409(1–2):1–6

EMBRYOLOGY

Evidence that serotonin is involved in the sexually dimorphic development of the preoptic area in the rat brain. Handa RJ, et al. **Brain Res** 1986 Dec;395(2):278–82

Aromatization of testicular androgens in physiological concentrations does not defeminize sexual brain functions. Döhler KD, et al. **Monogr Neural Sci** 1986;12:28–35

Differentiation in male ferrets of a sexually dimorphic nucleus

of the preoptic/anterior hypothalamic area requires prenatal estrogen. Tobet SA, et al. **Neuroendocrinology** 1986;44(3):299–308

[Stereologic analysis of the development of the sexually dimorphic nucleus in the medial preoptic area in the human fetus] Polzović A, et al. **Med Pregl** 1986;39(3–4):121–4 (Eng. Abstr.) **(Ser)**

ENZYMOLOGY

The use of gold-substituted silver-intensified diaminobenzidine (DAB) and non-intensified DAB for simultaneous electron microscopic immunoperoxidase labeling of tyrosine hydroxylase and glutamic acid decarboxylase immunoreactivity in the rat medial preoptic area. Görcs TJ, et al. **J Histochem Cytochem** 1986 Nov; 34(11):1439–47

GROWTH & DEVELOPMENT

Effects of hormone deprivation on the karyometric development of the medial and lateral preoptic area of the male mouse. I. Neonatal castration. Perez-Delgado MM, et al. **J Hirnforsch** 1987;28(2):125–31

Medial preoptic sexual dimorphisms in the guinea pig. II. An investigation of medial preoptic neurogenesis. Byne W, et al. **J Neurosci** 1987 Sep;7(9):2697–702

Neurotropic action of estrogen on the developing brain. Effect on newborn preoptic and amygdaloid tissues grafted into the brain or into the eye. Arai Y, et al. **Monogr Neural Sci** 1986;12:64–8

METABOLISM

Cosinor analysis of the seasonal changes in the cytoplasmic RNA level in the neurons of preoptic nucleus in Rana temporaria L. under the ultrasound energy. Lach H, et al. **Acta Biol Hung** 1985;36(3–4):287–93

Steroid autoradiography of the sexually dimorphic nucleus of the preoptic area. Jacobson CD, et al. **Brain Res** 1987 Jun 30;414(2):349–56

Sexually dimorphic opioid distribution in the preoptic area: manipulation by gonadal steroids. Watson RE Jr, et al. **Brain Res** 1986 Nov 19;398(1):157–63

Coexistence of melanin-concentrating hormone (MCH) and alpha-melanocyte-stimulating hormone (alpha-MSH) in the preoptic nucleus of the frog brain. Andersen AC, et al. **Brain Res Bull** 1987 Feb;18(2):257–9

Opioid peptides inhibit the release of noradrenaline from slices of rat medial preoptic area. Diez-Guerra FJ, et al. **Exp Brain Res** 1987;66(2):378–84

Estrogen binding macromolecules in hypothalamus-preoptic area of male and female gray short-tailed opossums (Monodelphis domestica). Etgen AM, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):441–6

Pre-optic and hypothalamic neurons accumulate [3H]medroxyprogesterone acetate in male cynomolgus monkeys. Rees HD, et al. **Life Sci** 1986 Oct 13; 39(15):1353–9

A brain site for the antigonadal action of melatonin in the white-footed mouse (Peromyscus leucopus): involvement of the immunoreactive GnRH neuronal system. Glass JD, et al. **Neuroendocrinology** 1987 Jun;46(1):48–55

PATHOLOGY

Kainic acid lesioning of the preoptic area alters positive feedback of estrogen in prepubertal female rats. Clough RW, et al. **Biol Reprod** 1986 Dec;35(5):1269–76

The preoptic-suprachiasmatic nuclei though morphologically heterogeneous are equally affected by streptozotocin diabetes. Bestetti G, et al. **Exp Brain Res** 1987;66(1):74–82

PHYSIOLOGY

Insulin-sensitive glucoreceptors in rat preoptic area that regulate FFA mobilization. Coimbra CC, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E703–6

Role for the median preoptic nucleus in centrally evoked pressor responses. O'Neill TP, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1165–72

Role of the preoptic area in the neuroendocrine regulation of reproduction: an analysis of functional preoptic homografts. Gibson MJ. **Ann NY Acad Sci** 1986;474:53–63 (42 ref.)

The role of the medial preoptic area in the regulation of maternal behavior in the rat. Numan M. **Ann NY Acad Sci** 1986;474:226–33 (33 ref.)

MPOA and BNST lesions in male Syrian hamsters: differential effects on copulatory and chemoinvestigatory behaviors. Powers JB, et al. **Behav Brain Res** 1987 Mar; 23(3):181–95

Role of the anterior hypothalamus-preoptic area in the regulation of courtship behavior in the male Canadian red-sided garter snake (Thamnophis sirtalis parietalis): lesion experiments. Friedman D, et al. **Behav Neurosci** 1985 Oct;99(5):942–9

Temperature activation of courtship behavior in the male red-sided garter snake (Thamnophis sirtalis parietalis): role of the anterior hypothalamus-preoptic area. Krohmer RW, et al. **Behav Neurosci** 1987 Apr;101(2):228–36

Sexual differentiation and hormonal control of the sexually dimorphic medial preoptic nucleus in the quail. Panzica GC, et al. **Brain Res** 1987 Jul 21;416(1):59–68

Glutamate and picrotoxin injections into the preoptic basal forebrain initiate locomotion in the anesthetized rat. Sinnamon HM. **Brain Res** 1987 Jan 6;400(2):270–7

The effect of a fever-like response on the secondary antibody response of the rat. Banet M, et al. **Brain Res Bull** 1987 Feb;18(2):265–7

Lesions in the preoptic area suppressed sexual receptivity in ovariectomized rats with estrogen implants in the ventromedial hypothalamus. Bast JD, et al. **Brain Res Bull** 1987 Feb;18(2):153–8

Activity of thermosensitive neurons of monkey preoptic hypothalamus during thermoregulatory operant behavior. Hori T, et al. **Brain Res Bull** 1987 May;18(5):649–55

Responsiveness of monkey preoptic thermosensitive neurons to non-thermal emotional stimuli. Hori T, et al. **Brain Res Bull** 1986 Jul;17(1):75–82

Responses of preoptic thermosensitive neurons to changes in blood pressure. Koga H, et al. **Brain Res Bull** 1987 Jun; 18(6):749–55

Lesions of the sexually dimorphic nucleus of the preoptic area: effects upon LH, FSH and prolactin in rats. Preslock JP, et al. **Brain Res Bull** 1987 Jan;18(1):127–34

Interactions of reproductive steroids, osmotic pressure, and glucose on thermosensitive neurons in preoptic tissue slices. Boulant JA, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1267–73

Multimodal responses of preoptic and anterior hypothalamic neurons to thermal and nonthermal homeostatic parameters. Hori T, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1290–8

The central efferent mechanism of brown adipose tissue thermogenesis induced by preoptic cooling. Imai-Matsumura K, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1299–303

Patterns of spontaneous unit preoptic neurosecretory cell discharges in the rainbow trout, Salmo gairdneri. Le Mével JC, et al. **Comp Biochem Physiol [A]** 1987;86(2):281–8

Antagonism of female sexual behavior with intracerebral implants of antiprogestin RU 38486: correlation with binding to neural progestin receptors. Etgen AM, et al. **Endocrinology** 1986 Oct;119(4):1610–7

Responses of cat preoptic neurons to stimulation of the medial frontal cortex and the medial basal hypothalamus. Hyland BI, et al. **Exp Brain Res** 1987;66(3):555–64

Hypothalamic control of nocireceptive and other neurons in the marginal layer of the dorsal horn of the medulla (trigeminal nucleus caudalis) in the rat. Mokha SS, et al. **Exp Brain Res** 1987;65(2):427–36

Effect of preoptic region implants of dilute estradiol on the maternal behavior of ovariectomized, nulliparous rats. Fahrbach SE, et al. **Horm Behav** 1986 Sep;20(3):354–63

Role of medial preoptic area (MPOA) in the reproductive function and feeding behavior in rats. Mascarenhas JF. **Indian J Physiol Pharmacol** 1986 Jul-Sep;30(3):232–40

Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in guinea pig brain slices. Ono T, et al. **J Appl Physiol** 1987 Jul;63(1):175–80

Medial preoptic sexual dimorphisms in the guinea pig. I. An investigation of their hormonal dependence. Byne W, et al. **J Neurosci** 1987 Sep;7(9):2688–96

Female reproductive function and sexually dimorphic prolactin secretion in rats with lesions in the medial preoptic-anterior hypothalamic continuum. Jakubowski M, et al. **Neuroendocrinology** 1986;43(6):696–705

Neuroanatomical substrate for the inhibition of gonadotrophin secretion in goldfish: existence of a dopaminergic preoptico-hypophyseal pathway. Kah O, et al. **Neuroendocrinology** 1987 Jun;45(6):451–8

A1 noradrenergic input to medial preoptic-medial septal area: an electrophysiological study. Kim YI, et al. **Neuroendocrinology** 1987 Jan;45(1):77–85

The influence of the estrous cycle, persistent estrus, ovariectomy and estrogen replacement, on the numbers and frequency of spontaneously active neurons in slices of the rat preoptic region in vitro. Sibbald JR, et al. **Neurosci Lett** 1987 May 19;76(3):323–8

Responses of preoptic thermosensitive neurons to poikilothermia-inducing peptides—bombesin and neurotensin. Hori T, et al. **Pflugers Arch** 1986 Nov; 407(5):558–60

Effects of carbon dioxide on preoptic thermosensitive neurons in vitro. Matsumura K, et al. **Pflugers Arch** 1987 Feb;408(2):120–3

Comparison between hypothalamic thermoresponsive neurons from duck and rat slices. Nakashima T, et al. **Pflugers Arch** 1987 Jul;409(3):236–43

Intermale social aggression: suppression by medial preoptic area lesions. Albert DJ, et al. **Physiol Behav** 1986; 38(2):169–73

Hypothalamic temperature and deep body temperature during copulation in the male rat. Blumberg MS, et al. **Physiol Behav** 1987;39(3):367–70

Blockade of ovulation by prostaglandins synthesis inhibitor in medial preoptic area. Kaur G, et al. **Physiol Behav** 1986; 38(5):747–9

Poly-A+ mRNA and defeminization of sexual behavior and gonadotropin secretion in rats. Ulibarri C, et al. **Physiol Behav** 1987;39(6):767–74

[Effect of caudate stimulation on etorphine-sensitive neurones in the rabbit preoptic area] Wu GC, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):491–7 (Eng. Abstr.) **(Chi)**

[Role of norepinephrine in rabbit's preoptic area in acupuncture analgesia] Zhu JM, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):415–21 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Effects of preoptic microinjections of alpha-MSH on fever and normal temperature control in rabbits. Feng JD, et al. **Brain Res Bull** 1987 Apr;18(4):473–7

Role of the preoptic-anterior hypothalamic area in the relationship between "neiguan" and the heart.Cao QS, et al. **Chen Tzu Yen Chiu** 1986;11(3):208–18

Effect of electroacupuncture at "neiguan" on discharges of neurons in the preoptic-anterior hypothalamus. Liu JL, et al. **Chen Tzu Yen Chiu** 1986;11(3):219–28

Indomethacin pretreatment inhibits fever after anodal, but not cathodal, medial preoptic lesions in rats. Levy F, et al. **Physiol Behav** 1987;40(1):85–90

[Long-duration insomnia after lesions of the perikaryons of the paramedian preoptic area in cats] Sallanon M, et al. **C R Acad Sci [III]** 1986;303(10):403–9 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Modulation of aromatase activity by testosterone in transplants of fetal rat hypothalamus-preoptic area. Paden CM, et al. **Brain Res** 1987 May;430(1):127–33

Effects of castration or testosterone implants upon pituitary function in hypogonadal mice bearing normal foetal preoptic area grafts. Charlton HM, et al. **Neuroendocrinology** 1987 May;45(5):376–80

The effects of the age of intracerebroventricular grafts of normal preoptic area tissue upon pituitary and gonadal function in hypogonadal (HPG) mice. Charlton HM, et al. **Neuroscience** 1987 Apr;21(1):175–81

Implantation of fetal preoptic area into the lateral ventricle of adult hypogonadal mutant mice: the pattern of gonadotropin-releasing hormone axonal outgrowth into the host brain. Kokoris GJ, et al. **Neuroscience** 1987 Jul; 22(1):159–67

ULTRASTRUCTURE

Electron microscopic cytochemistry of catecholaminergic innervation of LHRH neurons in the medial preoptic area of the rat. Watanabe T, et al. **Arch Histol Jpn** 1987 Mar; 50(1):103–12

PREOVULATORY PHASE see **FOLLICULAR PHASE**

PREPAID DENTAL CARE see **INSURANCE, DENTAL**

PREPAID GROUP HEALTH ORGANIZATIONS see **HEALTH MAINTENANCE ORGANIZATIONS**

PREPHENATE DEHYDRATASE see under **HYDRO-LYASES**

PREPHENATE DEHYDROGENASE see under **OXIDOREDUCTASES**

PREPROSTHETIC ORAL SURGERY see **SURGERY, ORAL, PREPROSTHETIC**

PRESBYCUSIS see under **HEARING LOSS, SENSORINEURAL**

PRESBYOPIA

PHYSIOPATHOLOGY

Presbyopia and ambient temperature [letter] Weale RA. **Am J Optom Physiol Opt** 1987 Jul;64(7):562–3

Forced vergence fixation disparity curves in presbyopia. Wick B. **Am J Optom Physiol Opt** 1986 Nov;63(11):895–900

[Study of spatial function using the contrast sensitivity function. Cases of presbyopic subjects fitted with progressive glasses] Monot A, et al. **J Fr Ophtalmol** 1986; 9(3):199–209 (Eng. Abstr.) **(Fre)**

REHABILITATION

The use of progressive addition multifocals with video display terminals. Good GW, et al. **J Am Optom Assoc** 1986 Sep;57(9):664–71

THERAPY

A critical view of presbyopic add determination. Hanlon SD, et al. **J Am Optom Assoc** 1987 Jun;58(6):468–72

Monovision vs. aspheric bifocal contact lenses: a crossover study. Josephson JE, et al. **J Am Optom Assoc** 1987 Aug; 58(8):652–4

Satisfying the presbyopic contact lens wearer. Rosenthal S. **Ophthalmic Physiol Opt** 1986;6(3):353–4

PRESBYTIS see **CERCOPITHECIDAE**

PRESCRIPTION FEES see under **FEES, PHARMACEUTICAL**

PRESCRIPTION INSURANCE see **INSURANCE, PHARMACEUTICAL SERVICES**

PRESCRIPTIONS, DRUG

Effect of regulatory withdrawal of drugs and prescription recommendations on the pattern of self-poisonings in Oslo. Ekeberg O, et al. **Acta Med Scand** 1987;221(5):483–7
Prescribing patterns observed in registered nursing homes and long-stay geriatric wards. Primrose WR, et al. **Age Ageing** 1987 Jan;16(1):25–8
Prescription medications in infancy and early childhood. Fosarelli P, et al. **Am J Dis Child** 1987 Jul;141(7):772–5
Patient compliance in filling prescriptions after discharge from the emergency department. Saunders CE. **Am J Emerg Med** 1987 Jul;5(4):283–6
Methods of providing prescription drug benefits in health plans. Curtiss FR. **Am J Hosp Pharm** 1986 Oct; 43(10):2428–35
Pharmacy medication refill clinics [letter] Rodriquez LR, et al. **Am J Hosp Pharm** 1987 May;44(5):1036–8
Effect of clinical pharmacists on drug prescribing in a primary-care clinic. Stergachis A, et al. **Am J Hosp Pharm** 1987 Mar;44(3):525–9
Pharmacy medication refill clinic decreases waiting time for patients [letter] Suzuki NT. **Am J Hosp Pharm** 1987 Jan; 44(1):64, 67
Frequency and appropriateness of drug prescribing for unlabeled uses in pediatric patients. Thompson DF, et al. **Am J Hosp Pharm** 1987 Apr;44(4):792–4
Quantifying unused orders for as-needed medications. Woller TW, et al. **Am J Hosp Pharm** 1987 Jun;44(6):1347–52
Fate of a ferrous sulfate prescription. Boggs DR. **Am J Med** 1987 Jan;82(1):124–8
Who transcribed that order? Cushing M. **Am J Nurs** 1986 Oct;86(10):1107–8
Prescription drug use before and during pregnancy in a Medicaid population. Piper JM, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):148–56
Dear Mr. Zuckerman: APha members give FTC their views on physician dispensing. **Am Pharm** 1987 May; NS27(5):26–32
Wastage results in higher costs for mail order plans, study shows. **Am Pharm** 1986 Nov;NS26(11):11
Physician dispensing affects hospital pharmacies, too [letter] Madura A, et al. **Am Pharm** 1987 May;NS27(5):6
Don't call it prescribing. Penna RP. **Am Pharm** 1986 Nov; NS26(11):25–8
What repackagers are telling physicians [letter] White EV. **Am Pharm** 1987 May;NS27(5):6
Overmedication of the low-weight elderly. Campion EW, et al. **Arch Intern Med** 1987 May;147(5):945–7
Drug prescribing for the elderly. Everitt DE, et al. **Arch Intern Med** 1986 Dec;146(12):2393–6
A desk top system. Carson NE, et al. **Aust Fam Physician** 1987 Jan;16(1):48
The decline of long-term prescribing to opioid users in the United Kingdom. Madden JS. **Br J Addict** 1987 May; 82(5):457–9
Heads up—or heads down? [letter] Marjot D. **Br J Addict** 1987 Mar;82(3):317–8
Prescribing habits for children with acute gastroenteritis: a comparison over 5 years. Choonara IA, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):362–4
Hospital doctor's responsibility for prescribing [letter] Wright JS, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1162
Confronting the prescription drug addict: doctors must learn to say no. Goldman B. **Can Med Assoc J** 1987 Apr 15; 136(8):871–6
The prescription drug sting: be careful out there. Goldman B. **Can Med Assoc J** 1987 Mar 15;136(6):629–38
Fighting back: the search for a solution to prescription drug abuse. Goldman B. **Can Med Assoc J** 1987 Apr 1; 136(7):745–52
Drug therapy team review in a long-term care facility [letter] Andolsek KM, et al. **Drug Intell Clin Pharm** 1987 Jul-Aug; 21(7–8):660
Pharmacists as prescribers: the Florida experience [editorial] Doering PL. **Drug Intell Clin Pharm** 1986 Dec;20(12):983–4
The pharmacist prescriber [editorial] Francke DE. **Drug Intell Clin Pharm** 1986 Dec;20(12):981–2
Drug use in an ambulatory elderly population: a five-year update. Hale WE, et al. **Drug Intell Clin Pharm** 1987 Jun; 21(6):530–5
The pharmacist prescriber: a family pharmacist takes a critical look at the Report of the Study Commission on Pharmacy [editorial] White EV. **Drug Intell Clin Pharm** 1986 Dec;20(12):982–3
Pharmacists do not talk about prescriptions [editorial] Whitney HA Jr. **Drug Intell Clin Pharm** 1986 Oct; 20(10):777–8
The limited list: effects in general practice. **Drug Ther Bull** 1987 Mar 23;25(6):21–4
Repeat prescribing—is it necessary and can it be safe? **Drug Ther Bull** 1986 Jul 14;24(14):54–6
Applying family medicine concepts to prescribing [letter] Anastasio GD, et al. **Fam Med** 1986 Sep–Oct;18(5):259
The use of a combined prescription kardex/pass medication sheet in long-stay hospitals. Jackson MP, et al. **Health Bull (Edinb)** 1987 May;45(3):129–35
Computerized prescription checking system. Ishizuka H, et al. **Int J Biomed Comput** 1986 Nov;19(3–4):195–200
Generic prescribing—can we achieve a balance? Feely J. **Ir Med J** 1986 Sep;79(9):241–2
Prescription drug use among diabetics—a population study. Isacson D, et al. **J Chronic Dis** 1987;40(7):651–60
Computerized prescription inventory program for the education of residents (PIPER). Anastasio GD, et al. **J Fam Pract** 1986 Dec;23(6):598–600
Family physicians and generic drugs: a study of recognition, information sources, prescribing attitudes, and practices. Bower AD, et al. **J Fam Pract** 1987 Jun;24(6):612–6
Prescription-filling patterns of patients in a family practice. Krogh C, et al. **J Fam Pract** 1987 Mar;24(3):301–2
Residents' underdocumentation in elderly patients' records of prescriptions for benzodiazepine. Buchsbaum DG, et al. **J Med Educ** 1987 May;62(5):438–40
Patients' attitudes to generic prescribing [letter] McAdam NW. **J R Coll Gen Pract** 1986 Jun;36(287):288
Therapeutic substitution: usurpation of the physician's prerogative [letter] **JAMA** 1987 May 22–29;257(20):2759
Therapeutic substitution—usurpation of the physician's prerogative [editorial] Ballin JC. **JAMA** 1987 Jan 23–30; 257(4):528–9
AMA writes prescription for treating growing drug-diversion problem [news] Raymond CA. **JAMA** 1987 Feb 13;257(6):725–6
Efficacy and generic drugs [letter] **Lancet** 1987 Jul 25; 2(8552):218–9
Treatment of drug addiction [letter] **Lancet** 1987 Feb 28; 1(8531):509–10
Three-year ban by GMC upheld: possibility of revocation or variation on petition by doctor during sentence. Brahams D. **Lancet** 1987 Feb 14;1(8529):396
"Serious professional misconduct" in relation to private treatment of drug dependence. Brahams D. **Lancet** 1987 Feb 7;1(8528):340–1
Prescribing iron to combat deprivation [letter] Jacobs A. **Lancet** 1987 Feb 14;1(8529):388
Prescribing for drug-addicts [letter] Lipsedge MS, et al. **Lancet** 1987 May 30;1(8544):1265
Prescribing for drug addicts [letter] Lipsedge MS, et al. **Lancet** 1987 Aug 22;2(8556):451–2
Prescribing for drug addicts [letter] Marks J. **Lancet** 1987 Jul 4;2(8549):46
RXWriter and Medication Manager. Epinette WW. **MD Comput** 1987 Mar–Apr;4(2):29–32
Predictors of physician prescribing change in an educational experiment to improve medication use. Soumerai SB, et al. **Med Care** 1987 Mar;25(3):210–21
Psychotropic drug prescribing in Australia [letter] Farrelly F. **Med J Aust** 1987 Jun 15;146(12):658, 660
Liability of pharmacists for substitution of a generic drug for its brand-name counterpart. Hirsh HL. **Med Law** 1987; 6(4):293–302
NP prescribing recommendations. LaPlante LJ, et al. **Nurse Pract** 1987 Apr;12(4):52–3, 57–8
NPs write prescriptions regardless of enabling legislation. Pearson LJ. **Nurse Pract** 1986 Nov;11(11):6–7
When doctors dispense prescriptions, angry pharmacists are bypassed. Goerth CR. **Occup Health Saf** 1987 Jul;56(7):42
Prescription frequency, iatrogenesis and economic evaluation. Frost CE, et al. **Rev Environ Health** 1985; 5(2):135–49 (37 ref.)
Measuring statutory effectiveness and compliance with Rhode Island's Drug Product Selection law. Campbell NA, et al. **RI Med J** 1986 Dec;69(12):585–8
Drug accessibility and the overdose epidemic [editorial] Schlebusch L. **S Afr Med J** 1987 Jun 20;71(12):746–7
Psychotropic drug prescribing in general practice. II. A three year retrospective study from an island community in northern Norway. Tellnes G, et al. **Scand J Prim Health Care** 1986 Sep;4(3):137–41
Drug prescription and self-medication in India: an exploratory survey. Greenhalgh T. **Soc Sci Med** 1987; 25(3):307–18
The use of modern pharmaceuticals in a Filipino village: doctors' prescription and self medication. Hardon AP. **Soc Sci Med** 1987;25(3):277–92
[Telephone prescription of antibiotics in general practice. A multipractice study] Mabeck CE. **Ugeskr Laeger** 1986 Sep 29;148(40):2537–40 (Eng. Abstr.) **(Dan)**
[Anesthetics—prescription abuse—results of a study] Gostomzyk JG, et al. **Off Gesundheitswes** 1987 May; 49(5):234–9 (Eng. Abstr.) **(Ger)**
[Potential impact of primary health care reform on drug prescription in Spain: the Ciutat Badia experience] Rey ME, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):141–3 (Eng. Abstr.) **(Spa)**
[New regulation of medical prescriptions and its execution] Valverde JL, et al. **Rev Sanid Hig Publica (Madr)** 1986 Mar–Apr;60(3–4):271–83 (Eng. Abstr.) **(Spa)**

ECONOMICS

Third party payment policies: design & impact. Schondelmeyer SW. **Am Pharm** 1986 Aug;NS26(8):41–5, 48–56, 63–8
Drug formularies in hospitals [editorial] Petrie JC, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):919–20
Impact of a nationwide limited prescribing list: preliminary findings. Ferrando C, et al. **Drug Intell Clin Pharm** 1987 Jul-Aug;21(7–8):653–8
Surgical antibiotic prophylaxis, patient morbidity, and cost reduction: a three-year study. Scalley RD, et al. **Drug Intell Clin Pharm** 1987 Jul-Aug;21(7–8):648–52
Doctors' knowledge of the cost of common medications. Rowe J, et al. **J Clin Hosp Pharm** 1986 Oct;11(5):365–8
The pharmacist as prescriber. Eng HJ. **J Clin Pharm Ther** 1987 Aug;12(4):237–42
Cost and price of comparable branded and generic pharmaceuticals [letter] **JAMA** 1987 May 8;257(18):2435–8
Cost and price of comparable branded and generic pharmaceuticals. Bloom BS, et al. **JAMA** 1986 Nov 14; 256(18):2523–30
The economics of generic prescribing: winners and losers [editorial] Lasagna L. **JAMA** 1986 Nov 14;256(18):2566
Pharmaceutical benefits scheme [letter] Feros PM. **Med J Aust** 1986 Oct 20;145(8):427
Frequent-flyer programs for drug prescribing [letter] Graves J. **N Engl J Med** 1987 Jul 23;317(4):252

HISTORY

A medical classic compiled by a high-ranking official. Wang JX. **J Tradit Chin Med** 1986 Dec;6(4):312

STANDARDS

Fate of a ferrous sulfate prescription [letter] **Am J Med** 1987 Aug;83(2):386–9
Should expiration dates be required on patients' prescription labels? Hadeler F. **Am Pharm** 1986 Aug;NS26(8):30–5
Drug dispensing by MDs stirs controversy. Nelson S. **Hospitals** 1987 May 20;61(10):66–7
Generic drugs and the prescribing physician. Nightingale SL, et al. **JAMA** 1987 Sep 4;258(9):1200–4
American Academy of Pediatrics Committee on Drugs: Generic prescribing, generic substitution, and therapeutic substitution. **Pediatrics** 1987 May;79(5):835
[Mathematical methods in the study of pharmaceutical prescribing] Umarov SZ, et al. **Voen Med Zh** 1987 Feb; (2):22–3 **(Rus)**
[Evaluation of the pharmaceutic specialties in primary pediatric care in the city of Santa Coloma de Gramenet] Gómez Ortiz S. **Med Clin (Barc)** 1986 Nov 29;87(18):744–7 (Eng. Abstr.) **(Spa)**

VETERINARY

FDA regulation of veterinary prescription drugs. Stefan GE, et al. **J Am Vet Med Assoc** 1986 Sep 1;189(5):513–7

PRESCRIPTIONS, NON-DRUG

Who transcribed that order? Cushing M. **Am J Nurs** 1986 Oct;86(10):1107–8
Are their spectacles really necessary? [letter] Brown J. **Br J Ophthalmol** 1986 Dec;70(12):933
Spectacle prescribing among 10-year-old children [letter] Charman WN, et al. **Br J Ophthalmol** 1986 Dec; 70(12):934–5
Should general practitioners be able to prescribe orthopaedic appliances? [editorial] Waugh W. **Br Med J** 1987 Feb 21; 294(6570):464
[Requirements of a sports and training program in asthma patients] Haber P. **Schweiz Rundsch Med Prax** 1987 May 19;76(21):605–9 (Eng. Abstr.) **(Ger)**

HISTORY

[Medical prescriptions advertised in a calendar for the year 1702] Wojtkiewicz-Rok W. **Arch Hist Filoz Med** 1986; 49(2):257–64 (Eng. Abstr.) **(Pol)**

STANDARDS

Achieving parenteral nutrition cost savings through prescribing guidelines and formulary restrictions. Maswoswe JJ, et al. **Am J Hosp Pharm** 1987 Jun; 44(6):1376–81

PRESENTATION, BREECH see **BREECH PRESENTATION**

PRESENTATION, FETAL see **LABOR PRESENTATION**

PRESERVATION, BIOLOGICAL

see related
BUFFERS
CRYOPROTECTIVE AGENTS

Cryopreservation of parasitic protozoa. Bos HJ, et al. **Acta Leiden** 1978;46:17–30
A comparison of the efficiency of water and ethanol at removing formaldehyde from immersion fixed muscle tissues. Rumph PF, et al. **Anat Histol Embryol** 1986 Sep; 15(3):269–76
Effects of cryopreservation on the mononuclear cells of patients with lung cancer and normal controls. Venkataraman M, et al. **Cryobiology** 1987 Apr;24(2):103–11
Recovery of protein from tear fluid stored in cellulose sponges. van Agtmaal EJ, et al. **Curr Eye Res** 1987 Apr; 6(4):585–8
Prolongation of islet xenograft survival by cryopreservation. Coulombe MG, et al. **Diabetes** 1987 Sep;36(9):1086–8
Effect of storage on the creamatocrit and total energy content of human milk. Silprasert A, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):31–6
The cryopreservation of human embryos. Ashwood-Smith MJ. **Hum Reprod** 1986 Aug;1(5):319–32 (89 ref.)
Successful in-vitro fertilization of frozen-thawed rabbit oocytes. Al-Hasani S, et al. **Hum Reprod** 1986 Aug;

1(5):309–12
The influence of cooling on the organization of the meiotic spindle of the mouse oocyte. Pickering SJ, et al. **Hum Reprod** 1987 Apr;2(3):207–16
Storage of pathogenic leptospires in liquid nitrogen. Palit A, et al. **J Appl Bacteriol** 1986 Nov;61(5):407–11
Long term freeze storage of Campylobacter pyloridis [letter] Westblom TU, et al. **J Clin Pathol** 1987 Mar;40(3):353
A comparative study of the morphology and viability of hyphae of Penicillium expansum and Phytophthora nicotianae during freezing and thawing. Smith D, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):2013–21
Cryopreservation of Dictyocaulus viviparus third-stage larvae and Trichinella spiralis muscle larvae. Andermatt-Mettler I, et al. **Parasitol Res** 1987;73(4):358–65
Preservation of anaerobes. Impey CS. **Soc Appl Bacteriol Symp Ser** 1986;13:411–9 (33 ref.)
Extended cryopreservation of Loa loa and Mansonella perstans microfilariae from human peripheral blood. Cesbron JY, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):563
Evaluation of formol saline and phenol glycerol solution for the preservation of Paragonimus eggs in sputum [letter] Singh TS, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):991
[On the factors influencing the cryopreservation of Brugia malayi microfilariae] Tao HZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):106–8 (Eng. Abstr.) **(Chi)**
[Pregnancy after in vitro fertilization with sperm frozen before chemotherapy (letter)] Nachury LP, et al. **Presse Med** 1987 Jul 4;16(26):1285–6 **(Fre)**
[Cryopreservation of bone marrow for the autologous transplantation in children] Reiners B, et al. **Folia Haematol (Leipz)** 1987;114(1):62–77 (Eng. Abstr.) **(Ger)**
[Cryopreservation of embryos—principles and methodology] Birkenfeld A, et al. **Harefuah** 1986 Sep;111(5–6):140–3 **(Heb)**
[Larvicidal activity of a Bacillus thuringiensis H-14, strain BTS-393, preparation kept in long-term storage] Sokolova EI, et al. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):17–9 (Eng. Abstr.) **(Rus)**
[Intracellular development of Escherichia coli bacteriophages after culturing the infected bacteria under conditions of anabiosis and hypothermia] Tsutsaeva AA, et al. **Mikrobiologiia** 1986 Nov–Dec;55(6):1009–13 (Eng. Abstr.) **(Rus)**
[Storage and reconstruction of hybridomas producing monoclonal antibodies against viral antigens] Malakhova IV, et al. **Mol Gen Mikrobiol Virusol** 1985 Mar;(3):41–4 (Eng. Abstr.) **(Rus)**

METHODS

Stability of the Hungarian National BCG Reference Preparations. Trend of viability during 4–7 years storage at +4 degrees C. Lugosi L. **Acta Microbiol Hung** 1987; 34(1):11–8
Effect of rapid addition and dilution of dimethyl sulfoxide and 37 degrees C equilibration on viability of rabbit morulae thawed rapidly. Kojima T, et al. **Cryobiology** 1987 Jun;24(3):247–55
Activity of ATP synthetase complex after low temperature treatment or freeze-drying of mitochondria isolated from skeletal muscles. Tsvetkov T, et al. **Cryobiology** 1987 Jun; 24(3):280–4
A method for freezing synchronous mitotic and G1 cells. Borrelli MJ, et al. **Exp Cell Res** 1987 Jun;170(2):363–8
In situ localization of cartilage extracellular matrix components by immunoelectron microscopy after cryotechnical tissue processing. Hunziker EB, et al. **J Histochem Cytochem** 1987 Jun;35(6):647–55
Osmotic and cryoprotective effects of glycerol–sucrose solutions on day-3 mouse embryos. Szél A, et al. **J Reprod Fertil** 1987 May;80(1):309–16
Birth after cryopreservation of unfertilized oocytes [letter] van Uem JF, et al. **Lancet** 1987 Mar 28;1(8535):752–3
Methods of banking bone and cartilage for allograft transplantation. Tomford WW, et al. **Orthop Clin North Am** 1987 Apr;18(2):241–7
Vaccine cold-chain status in the Elim health ward of Gazankulu. De Swardt R, et al. **S Afr Med J** 1987 Sep 5;72(5):334–6
[Lyophilized banked bone. Technic and results after 3 years of use] Delloye C, et al. **Acta Orthop Belg** 1987;53(1):2–11 (Eng. Abstr.) **(Fre)**
[Bacteriological evaluation of a new system for transport and storage of urine: the UC and S Vacutainer system (published erratum appears in Ann Biol Clin (Paris) 1986;44(4):367)] Verger S, et al. **Ann Biol Clin (Paris)** 1986; 44(3):249–53 (Eng. Abstr.) **(Fre)**
[Effect of preservation time and agar covering of the Willis–Hobbs medium on the growth of anaerobic bacteria] Kafel S, et al. **Rocz Panstw Zakl Hig** 1987;38(1):65–8 (Eng. Abstr.) **(Pol)**
[Ethanol distribution in the organs of animals depending on the conditions for their preservation] Gurochkin IuD. **Farmakol Toksikol** 1987 May–Jun;50(3):85–6 (Eng. Abstr.) **(Rus)**
[Attempt at cryogenic preservation of the amastigote stage of Leishmania major in the ear skin of experimentally infected golden hamsters (Mesocricetus auratus)] Passova OM, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):45–6 (Eng. Abstr.) **(Rus)**

STANDARDS

Improved preservation of glycogen in unfixed cyanobacteria embedded at –82 degrees C in nanoplast. Frösch D, et al. **J Histochem Cytochem** 1987 Jan;35(1):119–21
[The severity of semen disorders in the partner in relation to the chances of pregnancy following donor insemination (letter)] Kremer J. **Ned Tijdschr Geneeskd** 1987 Jun 20; 131(25):1098–9 **(Dut)**

VETERINARY

The effect of exogenous glutathione on the fructolysis of thawed bull Bos bovis spermatozoa. Wiechetek M, et al. **Comp Biochem Physiol [B]** 1987;87(3):523–5
Cryopreservation of Theileria-infected lymphoblastoid cells with functional assessment of viability. Wathanga JM, et al. **Trop Anim Health Prod** 1986 Nov;18(4):191–7
[Deep freezing of microsurgically split bovine embryos and the production of monozygotic twins of different ages] Brem G, et al. **DTW** 1987 Apr 8;94(4):195–7 (Eng. Abstr.) **(Ger)**

PRESERVATION, FOOD see **FOOD PRESERVATION**

PRESERVATIVES, PHARMACEUTICAL see under **PHARMACEUTIC AIDS**

PRESSORECEPTORS

see related
CAROTID SINUS

ANALYSIS

The gene for the atrial natriuretic factor is expressed in the aortic arch. Gardner DG, et al. **Hypertension** 1987 Jan; 9(1):103–6

ANATOMY & HISTOLOGY

The pathways of the aortic depressor nerves in guinea pigs. Sun HS, et al. **Proc West Pharmacol Soc** 1986;29:341–3
[Nerve receptors in pulmonary vessels] Vega-Alvarez JA, et al. **Arch Anat Histol Embryol (Strasb)** 1985;68:62–4 (Eng. Abstr.) **(Fre)**
[Organization and suprabulbar control of the baroreceptor reflex arch] Tsyrlin VA. **Usp Fiziol Nauk** 1986 Oct–Dec; 17(4):24–37 (47 ref.) **(Rus)**

DRUG EFFECTS

Immediate reduction of blood pressure and sympathetic nerve activity after beta-blockade in anaesthetized cats with deafferentiated arterial baroreceptors. Pettersson K, et al. **Acta Physiol Scand** 1987 Feb;129(2):267–8
Baroreflex setting and sensitivity in normal subjects: effects of pharmacologic inhibition of the angiotensin I converting enzyme. Düsing R, et al. **Am J Cardiol** 1987 Apr 24; 59(10):50D–54D
Acute effects of the new angiotensin converting enzyme inhibitor ramipril on hemodynamics and carotid sinus baroreflex activity in congestive heart failure. Vogt A, et al. **Am J Cardiol** 1987 Apr 24;59(10):149D–154D
Bicuculline blocks an inhibitory baroreflex input to supraoptic vasopressin neurons. Jhamandas JH, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R947–52
GABAergic mechanisms in nucleus tractus solitarius alter blood pressure and vasopressin release. Catelli JM, et al. **Brain Res** 1987 Feb 17;403(2):279–89
Dual effects of norepinephrine and mechanisms of baroreceptor stimulation. Munch PA, et al. **Circ Res** 1987 Sep;61(3):409–19
Vagal mediation of the effects of atrial natriuretic factor on blood pressure and arterial baroreflexes in the rabbit. Volpe M, et al. **Circ Res** 1987 May;60(5):747–55
Cardiovascular and neurohumoral postural responses and baroreceptor abnormalities during a course of adjunctive vasodilator therapy with felodipine for congestive heart failure. Kassis E, et al. **Circulation** 1987 Jun;75(6):1204–13
Central effect of captopril on baroreflex. Takeda K, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):329–35
Pressor sensitivity to angiotensin I and angiotensin II during the development of experimental renal hypertension in the rat. Doyle AE, et al. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):563–8
Effect of acute ethanol administration on the baroreceptor reflex control of heart rate in normotensive human volunteers. Abdel-Rahman AR, et al. **Clin Sci** 1987 Jan; 72(1):113–22
Ketanserin and the arterial baroreceptor reflex in normotensive subjects. Berdeaux A, et al. **Eur J Clin Pharmacol** 1987;32(1):27–33
Participation of baroreceptor reflexes in blood pressure and sympathetic nerve responses to a synthetic human atrial natriuretic peptide in anesthetized dogs. Koyama S, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):43–8
Sensitization of cardiac vagal afferent reflexes at the sensory receptor level: an overview. Mark AL. **Fed Proc** 1987 Jan; 46(1):36–40 (30 ref.)
Possible involvement of an impaired baroreflex mechanism but not the renin-angiotensin system and vasopressin in the enhanced pressor responsiveness to physostigmine in spontaneously hypertensive rats. Kawashima K, et al. **Gen Pharmacol** 1987;18(3):327–30
Ethanol-induced hypertension involves impairment of baroreceptors. Abdel-Rahman AA, et al. **Hypertension** 1987 Jul;10(1):67–73
Direct cardiac actions of phenylephrine when used in assessment of baroreflex function in the rat. Sawyer R, et al. **J Auton Pharmacol** 1986 Sep;6(3):215–7
Differential actions of neuronal and hormonal vasopressin on blood pressure and baroreceptor reflex sensitivity in rats. Unger T, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S81–6
Influence of beta-aminopropionitril on media hypertrophy and baroreceptor reflex in normotensive and hypertensive rats. Fischer M, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S527–31
Do calcium antagonists act directly on calcium channels to alter baroreceptor function? Kunze DL, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):303–10
Sensitization of aortic and cardiac baroreceptors by arginine vasopressin in mammals. Abboud FM, et al. **J Physiol (Lond)** 1986 Aug;377:251–65
Effects of digitalis on cardiopulmonary baroreflex in man. Takeshita A, et al. **Jpn Circ J** 1986 Jul;50(7):671–4
Effects of insulin on pressor responsiveness and baroreflex function in diabetes mellitus. Yamamoto M, et al. **Jpn Circ J** 1986 Oct;50(10):943–8
Acute effects of captopril on the baroreflex of normotensive and spontaneously hypertensive rats. Takeda K, et al. **Jpn Heart J** 1986 Jul;27(4):511–21
Effects of ethanol on sympathetic renal nerve activity and baroreceptor sensitivity in anesthetized rabbits. Rhee HM. **Neurotoxicology** 1986 Summer;7(2):279–85
The effect of acetylstrophanthidin on the responsiveness of left atrial type B receptors to saline infusion and veratrine injection in anaesthetized cats. Fahim M, et al. **Pflugers Arch** 1986 Sep;407(3):299–304
[Alpha-adrenoceptors in the rat spinal cord: its role in baroreflex and hemorrhagic shock] Xie CW, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):132–8 (Eng. Abstr.) **(Chi)**
[Effects of flunitrazepam on the baroreflex control of heart rate and on adrenergic activity] Gauzit R, et al. **Ann Fr Anesth Reanim** 1987;6(4):347–51 (Eng. Abstr.) **(Fre)**
[Effects of nifedipine on carotid blood flow and baroreflex response in essential arterial hypertension. Preliminary results] Chaix AF, et al. **Arch Mal Coeur** 1986 Sep; 79(10):1481–6 (Eng. Abstr.) **(Fre)**
[Effects of halothane on cardiac sympathetic activity and baroreflex] Kimura T, et al. **Masui** 1987 Mar;36(3):363–9 (Eng. Abstr.) **(Jpn)**
[Participation of the baroreceptor reflex in the hypotensive effect of clofelin in hypertensive patients] Shliakhto EV, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):91–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Plasma arginine vasopressin during neck suction in upright sitting man. Norsk P, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):243–8
Seventy years of the Bainbridge reflex. Hakumäki MO. **Acta Physiol Scand** 1987 Jun;130(2):177–85 (42 ref.)
The influence of cardiopulmonary receptors on long-term blood pressure control and plasma renin activity in conscious dogs. Persson P, et al. **Acta Physiol Scand** 1987 Aug;130(4):553–61
Reflex changes in sympathetic nerve activity during mechanical ventilation with PEEP in sino-aortic denervated rats. Selldén H, et al. **Acta Physiol Scand** 1987 May;130(1):15–24
Role of baroreflex activation in the regional hemodynamic effects of the beta-blockers tertatolol and propranolol in conscious spontaneously hypertensive rats. Struyker-Boudier HA, et al. **Am J Nephrol** 1986;6 Suppl 2:25–9
Sinoaortic denervation in the nonhuman primate. Bishop VS, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R294–8
Hemodynamic fluctuations and baroreflex sensitivity in humans: a beat-to-beat model. deBoer RW, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H680–9
High-NaCl diet reduces cardiac vagal afferent nerve response to volume expansion. Dibona GF, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R687–92
Aortic baroreceptor reflexes are mediated by NMDA receptors in caudal ventrolateral medulla. Gordon FJ. **Am J Physiol** 1987 Mar;252(3 Pt 2):R628–33
Forebrain contribution to sympathetic nerve discharge in anesthetized cats. Huang ZS, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 2):R645–52
Continuous resetting of the human carotid baroreceptor-cardiac reflex. Kasting GA, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R732–6
Evidence against high pressure, arterial baroreceptors in the abdominal viscera of cats. Martin SE, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1283–91
Cardiac and arterial baroreceptor influences in release of vasopressin and renin during hemorrhage. Quail AW, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1120–6
Cardiovascular responses to hemorrhage and naloxone in conscious barodenervated rabbits. Schadt JC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R909–15

Effect of sympathetic sensitization of baroreceptors on renal nerve activity. Seagard JL, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):R328–35

Aortic arch reflex control of total systemic vascular capacity. Shoukas AA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H598–603

Arterial baroreceptor and vagal inputs to sympathoexcitatory neurons in rat medulla. Sun MK, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R699–709

Opioid modulation of baroreceptor reflex sensitivity in dogs. Szilagyi JE. **Am J Physiol** 1987 Apr;252(4 Pt 2):H733–7

Pressoreceptor modulation of renal but not splenic sympathetic reflexes. Tobey JC, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R26–33

Analysis of hemodynamic variability after sinoaortic denervation in the conscious rat. Trapani AJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1163–9

Effects of coronary occlusion on arterial baroreflex control of heart rate and vascular resistance. Trimarco B, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H749–59

Augmented pressor response to vasopressin in awake dogs after cardiac denervation. Wang BC, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R145–52

Cardiovascular actions of vasopressin: baroreflex modulation in the conscious rat. Webb RL, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1244–51

Valsalva's maneuver for evaluating the integrity of baroreceptor reflex arc [letter] Palatini P, et al. **Arch Intern Med** 1987 Mar;147(3):614–5

Does the arterial baroreflex control the initial heart rate response to standing? Rossberg F, et al. **Biomed Biochim Acta** 1987;46(4):K9–12

Endogenous vasopressin and baroreflex mechanisms. Gardiner SM, et al. **Brain Res** 1986 Dec;396(4):317–34 (106 ref.)

Sinoaortic denervation does not prevent differential Pavlovian conditioning of bradycardia in rabbits. Jarrell TW, et al. **Brain Res** 1986 Sep 3;381(2):251–8

Neurons in the paraventricular nucleus projecting to the median eminence: a study of their afferent connections from peripheral baroreceptors, and from the A1–catecholaminergic area in the ventrolateral medulla. Kannan H, et al. **Brain Res** 1987 Apr 21;409(2):358–63

Effects of aortic nerve stimulation on cervical sympathetic preganglionic neurones in the rat. Numao Y, et al. **Brain Res** 1987 Jan 13;401(1):190–4

Facilitation of baroreflex–induced bradycardia by stimulation of specific hypothalamic sites in the rat. Pardini BJ, et al. **Brain Res** 1986 Oct 8;384(2):274–81

Neurophysiology of a central baroreceptor pathway projecting to hypothalamic vasopressin neurons. Jhamandas JH, et al. **Can J Neurol Sci** 1987 Feb;14(1):17–24

Acute effects of ethanol on baroreceptor reflex control of heart rate and on pressor and depressor responsiveness in rats. Abdel–Rahman AR, et al. **Can J Physiol Pharmacol** 1987 May;65(5):834–41

Similar poststimulatory pressor responses with different mechanisms in response to excitation of the locus coeruleus before and after acute adrenalectomy. Drolet G, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1136–41

Estimation of sinoaortic baroreceptor heart rate reflex sensitivity and latency in man: a new microcomputer assisted method of analysis. Smith SA, et al. **Cardiovasc Res** 1986 Dec;20(12):877–82

Afferent pathways of aortic baroreceptor fibers in guinea pigs. Sun HS, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):35–40

Carotid sinus baroreceptors modulate tracheal smooth muscle tension in dogs. Schultz HD, et al. **Circ Res** 1987 Mar; 60(3):337–45

Sodium balance and the reflex regulation of baroreceptor function. Ferrario CM, et al. **Circulation** 1987 Jan;75(1 Pt 2):I141–8

Role of medullary cholinoceptors in baroreflex bradycardia. Gurtu S, et al. **Clin Exp Hypertens [A]** 1986;8(6):1063–79

Baroreflex sensitivity alteration following transient hemispheric ischaemia in rats: protective effect of alphamethyldopa and guanfacine. Saad MA, et al. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):525–34

Influence of cardiopulmonary receptors on the bradycardic responses to carotid baroreceptor stimulation in man. Parati G, et al. **Clin Sci** 1987 May;72(5):639–45

Computerized simultaneous determination of natural age groups for 32 baroreflex arc function parameters and of the corresponding normal ranges for use in the diagnosis of cardiovascular autonomic neuropathy. Iglesias M, et al. **Diabetes Res Clin Pract** 1987 May–Jun;3(3):167–73

Effect of posture on arterial baroreflex control of heart rate in humans. Harrison MH, et al. **Eur J Appl Physiol** 1986; 55(4):367–73

Neurobiology of arterial and cardiac sensory afferents. Ferrario CM. **Fed Proc** 1987 Jan;46(1):9–11

Baroreceptor mechanisms at the cellular level. Sachs F. **Fed Proc** 1987 Jan;46(1):12–6

Paroxysmal hypertension due to sinoaortic baroreceptor denervation in humans. Aksamit TR, et al. **Hypertension** 1987 Mar;9(3):309–14

Comparison of 1–hour and 24–hour blood pressure recordings in central or peripheral baroreceptor–denervated rats. Buchholz RA, et al. **Hypertension** 1986 Dec;8(12):1154–63

Prevention or attenuation of baroreceptor resetting by pulsatility during elevated pressure. Chapleau MW, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III137–41

Effect of cold pressor test–induced stress on leukocyte sodium transport and norepinephrine. Riozzi A, et al. **Hypertension** 1987 Jan;9(1):13–7

Impaired responses of sympathetic nerves to cardiac receptor stimulation in hypertension. Thames MD. **Hypertension** 1987 May;9(5):478–84

Cardiac–related cortical inhibition during a fixed foreperiod reaction time task. Koriath JJ, et al. **Int J Psychophysiol** 1986 Nov;4(3):183–95

Baroreflex control of heart rate after immediate and prolonged pressure reduction with urapidil in conscious normotensive and spontaneously hypertensive rats. Kobrin I, et al. **Isr J Med Sci** 1986 Jun;22(6):438–41

Control of breathing in anesthetized dogs by a left–heart baroreflex. Lloyd TC Jr. **J Appl Physiol** 1986 Dec; 61(6):2095–101

Diminished baroreflex control of forearm vascular resistance in physically fit humans. Mack GW, et al. **J Appl Physiol** 1987 Jul;63(1):105–10

Reflex responses to baroreceptor, chemoreceptor and nociceptor inputs in single renal sympathetic neurones in the rabbit and the effects of anaesthesia on them. Dorward PK, et al. **J Auton Nerv Syst** 1987 Jan;18(1):39–54

Identification and properties of sub–retrofacial bulbospinal neurones: a descending cardiovascular pathway in the cat. McAllen RM. **J Auton Nerv Syst** 1986 Oct;17(2):151–64

Study of possible transmitters in the solitary tract nucleus of the cat involved in the carotid sinus baro– and chemoreceptor reflex. Miura M, et al. **J Auton Nerv Syst** 1987 Jun;19(3):179–88

Osmoregulation and baroregulation of plasma vasopressin in essential hypertension. Robertson GL, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S87–91

Effects of ketanserin on hemodynamics and baroreflex effects in conscious spontaneously hypertensive rats. Smits JF, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):1–8

Relationship of cardiac chamber volume to baroreflex activity in normal humans. Nabel EG, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):475–81

Differential control of blood pressure and heart rate by carotid and aortic baroreceptors in unanaesthetized cats. Bertinieri G, et al. **J Hypertens** 1987 Feb;5(1):51–6

Lateral tegmental field neurons of cat medulla: a source of basal activity of ventrolateral medullospinal sympathoexcitatory neurons. Barman SM, et al. **J Neurophysiol** 1987 May;57(5):1410–24

Contribution of vasopressin to hypertension caused by baroreceptor denervation and nucleus tractus solitarius lesions in rats. Kubo T, et al. **J Pharmacobiodyn** 1986 Jul; 9(7):626–9

Rapid resetting of rabbit aortic baroreceptors and reflex heart rate responses by directional changes in blood pressure. Burke SL, et al. **J Physiol (Lond)** 1986 Sep;378:391–402

A gamma–aminobutyric–acid–mediated baroreceptor input to supraoptic vasopressin neurones in the rat. Jhamandas JH, et al. **J Physiol (Lond)** 1986 Dec;381:595–606

Noninvasive measurement of baroreflex sensitivity index using an indirect and continuous blood–pressure recorder. Tochikubo O, et al. **Jpn Heart J** 1986 Nov;27(6):849–57

Temporal and spatial interactions between the carotid sinus and vagally mediated baroreflexes in dogs. Hosomi H, et al. **Jpn J Physiol** 1986;36(6):1165–77

Barosensory neurons in the ventrolateral medulla in rabbits and their responses to various afferent inputs from peripheral and central sources. Terui N, et al. **Jpn J Physiol** 1986;36(6):1141–64

Metoclopramide decreases baroreflex sensitivity in patients with essential hypertension. Alföldi A, et al. **Life Sci** 1987 Apr 13;40(15):1469–72

Prostaglandins in enhanced pressor response in renal prehypertensive rabbits. Kogure M, et al. **Life Sci** 1987 Mar 30;40(13):1277–86

Undiminished reflex responses of adrenal sympathetic nerve activity to stimulation of baroreceptors and cutaneous mechanoreceptors in aged rats. Kurosawa M, et al. **Neurosci Lett** 1987 Jun 15;77(2):193–8

Neurons (presumably A1–cells) projecting from the caudal ventrolateral medulla to the region of the supraoptic nucleus respond to baroreceptor inputs in the rabbit. McAllen RM, et al. **Neurosci Lett** 1987 Jan 27;73(3):247–52

Peripheral vascular responses to changes in left ventricular pressure in anaesthetized dogs. Challenger S, et al. **Q J Exp Physiol** 1987 Jul;72(3):271–83

Effect of distension of the urinary bladder on efferent cardiac sympathetic nerve fibres which respond to stimulation of atrial receptors. Hassan AA, et al. **Q J Exp Physiol** 1987 Jan;72(1):1–11

Involvement of the reflex increase in heart rate in the differences in urinary responses to stimulation of atrial receptors in dogs with different blood volumes. Hicks MN, et al. **Q J Exp Physiol** 1987 Jul;72(3):261–9

The effect on the efferent vagal nerves to the heart of stimulating atrial receptors in the dog. Walters GE, et al. **Q J Exp Physiol** 1986 Oct;71(4):549–57

Glossopharyngeal innervation of chemo– and baroreceptors in the dorsal carotid artery of the tortoise Testudo hermanni. Ishii K, et al. **Respir Physiol** 1986 Sep; 65(3):295–302

[The pressor reaction induced by acupuncture and its physiological characteristics] Ma RC, et al. **Chen Tzu Yen Chiu** 1986;11(4):249–51, 248 (Eng. Abstr.) **(Chi)**

[Resetting of the baroreceptor reflex by electroacupuncture in conscious rabbits] Wang W, et al. **Chen Tzu Yen Chiu** 1986;11(3):181–2 (Eng. Abstr.) **(Chi)**

[Advances in research on arterial baroreceptor resetting] Wang J, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr; 17(2):107–11 (51 ref.) **(Chi)**

[Non–invasive study of the role of carotid distension in the baroreflex response to the arteriolar vasodilator cadralazine in essential hypertension] Laurent S, et al. **Arch Mal Coeur** 1986 Jun;79(6):937–41 (Eng. Abstr.) **(Fre)**

[Functional significance and physiologic mechanisms of the variability of the baroreceptor reflex] Stepochkina NA. **Fiziol Zh SSSR** 1986 Nov;72(11):1473–85 (96 ref.) **(Rus)**

[Baroreflex regulation of circulation in essential hypertension patients treated with anaprilin] Almazov VA, et al. **Ter Arkh** 1986;58(11):25–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Exacerbation of central baroreflex impairment in Dahl rats by high–salt diets. Miyajima E, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H402–9

Blood pressure and baroreflex sensitivity in conscious hypertensive rats of Lyon strain. Su DF, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1111–7

Baroreceptor function in congestive heart failure: effect on neurohumoral activation and regional vascular resistance. Hirsch AT, et al. **Circulation** 1987 May;75(5 Pt 2):IV36–48 (133 ref.)

Sympathetic reflex control of skeletal muscle blood flow in patients with congestive heart failure: evidence for beta–adrenergic circulatory control. Kassis E, et al. **Circulation** 1986 Nov;74(5):929–38

Baroreceptor reflex in a patient with coarctation of the aorta. Matsuyama K, et al. **Clin Cardiol** 1987 Sep;10(9):535–6

Impaired sympathetic baroreflexes in prehypertensive Dahl hypertension–sensitive rats. Miyajima E, et al. **Clin Exp Hypertens [A]** 1986;8(6):1049–61

Aortic diastolic caliber changes as a determinant for complete aortic baroreceptor resetting. Krieger EM. **Fed Proc** 1987 Jan;46(1):41–5

Sensitization of aortic baroreceptors by high salt diet in Dahl salt–resistant rats. Ferrari AU, et al. **Hypertension** 1987 Jul; 10(1):55–60

Effect of advancing age on cardiopulmonary baroreceptor function in hypertensive men. Sowers JR, et al. **Hypertension** 1987 Sep;10(3):274–9

Baroreceptor reflex effect on sympathetic nerve activity in stroke–prone spontaneously hypertensive rats. Luft FC, et al. **J Auton Nerv Syst** 1986 Nov;17(3):199–209

Cardiac receptors affect regional flow during acute infarction in conscious rats. Peres AK, et al. **J Auton Nerv Syst** 1987 Jun;19(3):243–54

Carotid baroreceptor unloading decreases plasma atrial natriuretic factor in hypertensive patients. Volpe M, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S519–22

Atrial natriuretic hormones—thirty years after the discovery of atrial volume receptors. Kramer HJ, et al. **Klin Wochenschr** 1986 Aug 15;64(16):719–31

[Effect of hypoxia on the carotid sinus baroreflex] Qiao RL. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):306–9 (Eng. Abstr.) **(Chi)**

[Baroreceptor control of the heart rate in acute myocardial infarct] Osculati G, et al. **Cardiologia** 1986 Aug;31(8):617–9 (Eng. Abstr.) **(Ita)**

[The carotid sinus pressure test in our observations] Sedziwy L, et al. **Kardiol Pol** 1986;29(11–12):771–7 (Eng. Abstr.) **(Pol)**

PRESSURE

see related
ATMOSPHERIC PRESSURE
BLOOD PRESSURE
MANOMETRY

Evidence of altered capillary pressure during pregnancy. Qian P, et al. **Acta Med Scand [Suppl]** 1986;714:55–8

Effects of overpressure on hearing function in Menière's disease. Densert B. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):32–42

Method for continuous recording of hydrostatic exchange vessel pressure in cat skeletal muscle. Mellander S, et al. **Acta Physiol Scand** 1987 Mar;129(3):325–35

On the steady–state relationship between the microvascular hydrostatic pressure and the transvascular filtration rate. Effects of heteroporosity. Rippe B, et al. **Acta Physiol Scand** 1987 Mar;129(3):441–2

Distension pressure on subserosal and mesenteric lymph pressures of rat jejunum. Lee JS. **Am J Physiol** 1986 Nov; 251(5 Pt 1):G611–4

Interposed abdominal compression–CPR: its effects on parameters of coronary perfusion in human subjects. Howard M, et al. **Ann Emerg Med** 1987 Mar;16(3):253–9

Cricoid pressure. How, when, and why. Fezer SJ 3d. **AORN J** 1987 Jun;45(6):1374–7

Treatment of retinal detachments with multiple breaks by pneumatic retinopexy. McAllister IL, et al. **Arch Ophthalmol** 1987 Jul;105(7):913–6

Intra–articular pressure in the knee during routine arthroscopy. Bauer M, et al. **Arthroscopy** 1986;2(3):198–9

Inactivation of NAD-dependent dehydrogenases from shallow- and deep-living fishes by hydrostatic pressure and proteolysis. Hennessey JP Jr, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):285–91

Sequential and graded intermittent pneumatic compression device for treatment of swollen limbs. Pekanmäki K, et al. **Biomed Tech (Berlin)** 1987 Mar;32(3):50–4

Use of elevated pressure to promote the difference in permeability of Adriamycin and hematoporphyrin between neoplastic and normal lung cells. Brody SS, et al. **Cancer Biochem Biophys** 1987 May;9(2):133–7

Optimisation of indices of external pneumatic compression for prophylaxis against deep vein thrombosis: radionuclide gated imaging studies. Kamm R, et al. **Cardiovasc Res** 1986 Aug;20(8):588–96

Using pressure support in a rational way [letter] Perel A. **Chest** 1987 Jan;91(1):153–4

Pulmonary hydrostatic microvascular pressure changes and lung fluid balance during histamine infusion in intact dogs. Rodriguez LM, et al. **Circ Shock** 1987;22(1):83–90

Pressure in the hydrocephalic fetal head during the first stage of labor. Eskes TK, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;4(5):171–6

Simultaneous measurements of intrauterine pressure, including the head–to–cervix pressure, by an open–end catheter and a strain gauge. Lewin D, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Jun;8(3):147–52

Evoked potential changes in rat hippocampal slices under helium pressure. Fagni L, et al. **Exp Brain Res** 1987; 65(3):513–9

Regulation of sodium excretion by renal interstitial hydrostatic pressure. Granger JP. **Fed Proc** 1986 Dec; 45(13):2892–6 (28 ref.)

Pressure profile along the microvascular network and its control. Joyner WL, et al. **Fed Proc** 1987 Feb;46(2):266–9

High–pressure injection injuries. Harter BT Jr, et al. **Hand Clin** 1986 Aug;2(3):547–52

An analysis of anal sphincter pressure and anal compliance in normal subjects. Gibbons CP, et al. **Int J Color Dis** 1986 Oct;1(4):231–7

The Helmstein bladder distension treatment for tumours and severe bleeding. Antonsen HK, et al. **Int Urol Nephrol** 1986; 18(4):421–7

Ultrasound fields in attenuating media. Lerch R, et al. **J Acoust Soc Am** 1986 Oct;80(4):1140–7

Effect of compression pressure on forced expiratory flow in infants. Le Souëf PN, et al. **J Appl Physiol** 1986 Nov; 61(5):1639–46

Low–dose warfarin versus external pneumatic compression for prophylaxis against venous thromboembolism following total hip replacement. Paiement G, et al. **J Arthroplasty** 1987;2(1):23–6

Pressure effects on sarcoplasmic reticulum. Varga S, et al. **J Biol Chem** 1986 Oct 25;261(30):13943–56

The influence of joint posture on intra–articular pressure. A study of transient synovitis and Perthes' disease. Vegter J. **J Bone Joint Surg [Br]** 1987 Jan;69(1):71–4

Role of a hydrostatic pressure gradient in the formation of early ischemic brain edema. Hatashita S, et al. **J Cereb Blood Flow Metab** 1986 Oct;6(5):546–52

A simple apparatus for anal tonometry. Sanyal P, et al. **J Indian Med Assoc** 1986 Apr;84(4):113–5

A standard pressure source for calibrating physiological pressure transducers. Cowell TK. **J Med Eng Technol** 1986 Jul–Aug;10(4):201–4

Crystal structure of hen egg–white lysozyme at a hydrostatic pressure of 1000 atmospheres. Kundrot CE, et al. **J Mol Biol** 1987 Jan 5;193(1):157–70

Compression induced damage on in–situ severed and intact nerves. De Luca CJ, et al. **Orthopedics** 1987 May; 10(5):777–84

Ileocolic intussusception: hydrostatic reduction in the presence of the dissection sign. Johnson JF, et al. **Pediatr Radiol** 1986;16(6):514–5

Therapeutic vaccination against adjuvant arthritis using autoimmune T cells treated with hydrostatic pressure. Lider O, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4577–80

The manometric findings at the human pylorus. The evidence against the presence of a tonic sphincter. Gaffney PR, et al. **Scand J Gastroenterol** 1987 Jun;22(5):525–32

A new device to reduce intra–abdominal pressure during lumbar surgery. Sundén G, et al. **Spine** 1986 Jul–Aug; 11(6):635–6

Delayed resolution of high–pressure pulmonary edema or capillary leak. Mayers I, et al. **Surgery** 1987 Apr; 101(4):450–8

Effects of intermittent pneumatic calf compression on postoperative thrombin and plasmin activity. Weitz J, et al. **Thromb Haemost** 1986 Oct 21;56(2):198–201

Compression inhibits aggregation of human platelets under high hydraulic pressure. Murayama M. **Thromb Res** 1987 Mar 15;45(6):729–38

The relevance of pressure changes in transplanted hearts and kidneys in immunosuppressed rats. Vasir BS, et al. **Transplantation** 1987 May;43(5):619–25

Effects of dietary lipids on frequency and force in atrial muscle at 10 MPa. Gennser M, et al. **Undersea Biomed Res** 1987 Jan;14(1):31–43

Ionic basis of short–circuit current in toad skin at high hydrostatic pressure. Goldinger JM, et al. **Undersea Biomed Res** 1986 Sep;13(3):361–7

High hydrostatic pressure and chromate–induced effects on cell cycle kinetics. Jenssen J, et al. **Undersea Biomed Res** 1987 Jan;14(1):21–9

Effect of hydrostatic pressure on plasma concentrations of norepinephrine during cold water immersion. Knight DR, et al. **Undersea Biomed Res** 1987 Jan;14(1):1–10

Effect of pressure on oxidative metabolism of drugs by mouse hepatic microsomes. Marriage HJ, et al. **Undersea Biomed Res** 1986 Sep;13(3):369–81

Facial baroparesis: a review. Molvaer OI, et al. **Undersea Biomed Res** 1987 May;14(3):277–95 (63 ref.)

Intraosseous pressure changes during simulated dives: fact or transducer artifact? Pooley J, et al. **Undersea Biomed Res** 1987 Jul;14(4):343–6

High hydrostatic pressure potentiation of the toxic effects of chromate in cell culture. Syversen T, et al. **Undersea Biomed Res** 1987 Jan;14(1):11–9

New method for measuring bladder pressure. Takayama K, et al. **Urology** 1987 Jun;29(6):632–4

Noninvasive transvesical pressure monitoring using controlled continuous flow resectoscope. Widran J. **Urology** 1987 Jun;29(6):598–604

[Negative effect of the pneumatic splint on the development of a compartment syndrome] Pohle H, et al. **Beitr Orthop Traumatol** 1987 Jun;34(6):312–6 (Eng. Abstr.) **(Ger)**

[Pressure measurements of the round window membrane in the guinea pig cochlea] Kellner J, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Mar;66(3):133–5 (Eng. Abstr.) **(Ger)**

[Effects of neurogenic disorders of bladder emptying on ureteral function—results of ureteral pressure measurements in children with myelomeningocele] Pfestorf B. **Z Kinderchir** 1986 Aug;41(4):209–13 (Eng. Abstr.) **(Ger)**

[Lymphangiomotoricity and tissue pressure] Hutzschenreuter P, et al. **Z Lymphol** 1986 Dec;10(2):55–7 (Eng. Abstr.) **(Ger)**

[Effects of hydrostatic pressure on cardiac function in human] Ide H, et al. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):68–73 (Eng. Abstr.) **(Jpn)**

[Changes in hydrostatic pressure in the small intestine in the early postoperative period] Bondarenko VA, et al. **Klin Khir** 1987;(2):62–3 **(Rus)**

ADVERSE EFFECTS

Hypoxic pulmonary vasoconstriction does not affect hydrostatic pulmonary edema formation. Cheney FW, et al. **J Appl Physiol** 1987 Feb;62(2):776–80

Mechanical characterisation of human postburn hypertrophic skin during pressure therapy. Clark JA, et al. **J Biomech** 1987;20(4):397–406

Lungs under cyclic compression and expansion. Tao ZL, et al. **J Biomech Eng** 1987 May;109(2):160–2

[Pressure gun injuries of the hand. Treatment in an orthopedic department 1965–1984] Hovgaard C, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2823–5 (Eng. Abstr.) **(Dan)**

[Hemodynamic repercussions of a giant hemangioma treated by compression] Lelong–Tissier MC, et al. **Arch Fr Pediatr** 1986 Dec;43(10):803–5 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Huge bladder carcinoma successfully treated with hydrostatic pressure technique. A case report. Sabha M, et al. **Scand J Urol Nephrol** 1986;20(4):313–4

PRESSURE SUITS see **G SUITS**

PREVENTION, PRIMARY see **PRIMARY PREVENTION**

PREVENTIVE DENTISTRY

see related
DENTAL CLINICS
HEALTH EDUCATION, DENTAL

The provision of preventive dentistry. Sutherland DA. **Br Dent J** 1986 Dec 6;161(11):390

Preventive dentistry in private practice—results from a regional survey in the Federal Republic of Germany (FRG). Nippert R. **Community Dent Health** 1987 Mar; 4(1):59–66

Preventive dental care: the role of the pediatrician. Herrmann HJ, et al. **Pediatrics** 1987 Jul;80(1):107–10

[Possible explanations for the decrease in caries in Europe] Martens LC, et al. **Rev Belge Med Dent** 1987 Feb;42(1):10–9 (Eng. Abstr.) **(Fre)**

ECONOMICS

Economic appraisal of preventive dental techniques. Forbes JF, et al. **Community Dent Oral Epidemiol** 1987 Apr; 15(2):63–6

Preventive dentistry in a health centre: effectiveness and cost. Donaldson C, et al. **Soc Sci Med** 1986;23(9):861–8

PREVENTIVE HEALTH SERVICES

see related
IMMUNIZATION

Effect of medical records' checklists on implementation of periodic health measures. Cheney C, et al. **Am J Med** 1987 Jul;83(1):129–36

Health promotion and disease prevention: two definitions, and another framework to use in developing district plans. Pledger G, et al. **Community Med** 1986 Nov;8(4):337–9

Prevention versus medical relief [editorial] Seal SC. **Indian J Public Health** 1985 Oct–Dec;29(4):221–2

The 1985 Mary E. Switzer lecture: reaching the underserved. McGinnis JM. **J Allied Health** 1986 Nov;15(4):293–304

A healthy campus—forecasting from the 1990 health objectives for the nation. McGinnis JM. **J Am Coll Health** 1987 Jan;35(4):158–70

The use of telemarketing in the community–wide prevention of heart disease: the Pawtucket Heart Health Program. Schwertfeger R, et al. **J Community Health** 1986 Fall; 11(3):172–80

The family physician and health objectives for the nation. Fried RA. **J Fam Pract** 1987 Sep;25(3):296–302

Health promotion/disease prevention: a categorical approach? [editorial] Fletcher RH, et al. **J Gen Intern Med** 1986 Sep–Oct;1(5):340–2

Impact of community–based immunization services. Sing K, et al. **J Postgrad Med** 1986 Jul;32(3):131–3

Prevention policy review group. Summary of meeting—March 27, 1986. **MMWR** 1987 Mar 6; 36(8):117–20

Periodic health monitoring revisited. Fletcher DJ. **Postgrad Med** 1986 Oct;80(5):145–54, 159–60

Health promotion and disease prevention. Roles for the primary care physician. Simons–Morton DG, et al. **Postgrad Med** 1987 Jun;81(8):235–8, 241–2

The prevention and control of chronic diseases: reducing unnecessary deaths and disability—a conference report. Mason JO, et al. **Public Health Rep** 1987 Jan–Feb; 102(1):17–20

The Indian burden of illness and future health interventions. Rhoades ER, et al. **Public Health Rep** 1987 Jul–Aug; 102(4):361–8

Use of selected preventive care procedures. United States, 1982. Bloom B. **Vital Health Stat [10]** 1986 Sep;(157):1–43

Women and preventive health care: an exploratory study of the use of Pap smears in a potentially high–risk Appalachian population. Fisher S, et al. **Women Health** 1986 Fall–Winter;11(3–4):83–99

[The Lyons Hypertension Control Program (1972–1978). Community analysis] Froment A, et al. **Arch Mal Coeur** 1986 Jun;79(6):954–60 (Eng. Abstr.) **(Fre)**

[Toward an information system in the health field—the MONICA experience] Gutzwiller F, et al. **Soz Praventivmed** 1987;32(2):49–50 **(Fre)**

[Determinants of preventive health behavior of the Swiss population. Results of the SOMIPOPS study] Bucher H, et al. **Soz Praventivmed** 1986;31(6):280–6 (Eng. Abstr.) **(Ger)**

[Principal types of work of the sanitary–epidemiologic service in solving health problems in monitoring the implementation of the general plan of a town] Chertkov MD, et al. **Gig Sanit** 1987 Jan;(1):34–6 **(Rus)**

[Efficacy of rehabilitation of children at local preventive health centers during "mother–child" visits] Kudin MV, et al. **Pediatriia** 1986 Dec;(12):45–6 **(Rus)**

[Prevention of neuropsychiatric disorders and health promotion of industrial workers] Beliaeva GG. **Sov Zdravookhr** 1987;(3):11–5 (Eng. Abstr.) **(Rus)**

[Prevention, dispensary care and individual body reactivity] Ivanov LN. **Vestn Akad Med Nauk SSSR** 1987;(2):72–4 **(Rus)**

ECONOMICS

Prevention—cheaper or just better? [letter] Cowan JA. **Am J Med** 1987 Aug;83(2):383–6

Iodine deficiency [letter] Kapil U. **Indian Pediatr** 1986 Aug; 23(8):655

The Preventive Health and Health Services Block Grant: the Massachusetts experience. Havas S, et al. **Public Health Rep** 1987 May–Jun;102(3):284–9

Appeal: save preventive health programs [editorial] Price C. **Tex Med** 1987 May;83(5):6–7

HISTORY

[The historical beginnings of scientific prevention in childhood and adolescence] Leps G, et al. **Z Gesamte Hyg** 1987 Feb;33(2):73–5 (Eng. Abstr.) **(Ger)**

[Protection of the health of children and adolescents in the 1st years of Soviet power] Fedoseev AS, et al. **Gig Sanit** 1986 Sep;(9):42–4 **(Rus)**

MANPOWER

An overview of the role of allied health professionals in the health promotion and disease prevention movement. McTernan EJ, et al. **J Allied Health** 1986 Nov;15(4):289–92

ORGANIZATION & ADMINISTRATION

The prophylaxis of hepatitis B infection. Jaffe AM, et al. **J Emerg Med** 1986;4(6):487–95

Reorganization of contemporary medical practice. Yabrov A. **Med Hypotheses** 1986 Dec;21(4):345–59

Immunisation in a rural setting. The EPI as a vital arm of primary health care. Kettles AN, et al. **S Afr Med J** 1987 Sep 5;72(5):343–5

[Organization of dispensary care for children and adolescents in East Germany] Bossdorf U. **Arztl Jugendkd** 1987; 78(1):3–8 (Eng. Abstr.) **(Ger)**

[Prevention: local action—national coordination" Autumn meeting 1986] **Soz Praventivmed** 1987;32(1):1–41 **(Ger)**

[Work experience of the epidemiological health station in the prevention of tuberculosis] Egorov VIu, et al. **Probl Tuberk** 1986;(8):6–9 (Eng. Abstr.) **(Rus)**

[Experience with the work of organizing the campaign against genitourinary tuberculosis in the Voroshilovgrad region] Ermak AA, et al. **Probl Tuberk** 1986;(12):18–20 (Eng. Abstr.) **(Rus)**

[Experience with the work of organizing the campaign against osteoarticular tuberculosis] Lopatkina ZM, et al. **Probl Tuberk** 1986;(12):14–5 (Eng. Abstr.) **(Rus)**

[Role of the phthisio-pediatrician in organizing antituberculosis services to children] Nikitina VS, et al. **Probl Tuberk** 1986;(10):22–6 (Eng. Abstr.) **(Rus)**

[Organizational-clinical aspects of the prevention of chronic disease] El'shtein NV. **Sov Zdravookhr** 1987;(6):28–30 **(Rus)**

[Preventive services to miners in the Far North and Eastern Siberia] Lutal AV, et al. **Sov Zdravookhr** 1986;(9):15–8 (Eng. Abstr.) **(Rus)**

[Work planning of preventive health departments in local polyclinics] Miniaev VA, et al. **Sov Zdravookhr** 1987; (5):11–5 (Eng. Abstr.) **(Rus)**

STANDARDS

An evaluation of a single drink-driving treatment programme. Foon AE. **Br J Addict** 1987 Feb;82(2):189–92

Evaluation of the effectiveness of suicide prevention programs: a methodological perspective. Streiner DL, et al. **Suicide Life Threat Behav** 1987 Summer;17(2):93–106

[The "Youth and Health" program: evaluation of 3 years of implementation of prevention and health promotion for apprentices and high school students in Vaud] Michaud PA, et al. **Rev Med Suisse Romande** 1987 Jul;107(7):611–20 **(Fre)**

SUPPLY & DISTRIBUTION

[Efficient location of primary therapeutic-preventive institutions in rural locales] Petrikhin VP. **Sov Zdravookhr** 1987;(1):20–2 (Eng. Abstr.) **(Rus)**

TRENDS

I.C.D.S.: realities and course of desired changes [editorial] Bhandari B, et al. **Indian Pediatr** 1986 Aug;23(8):575–8

The resistible rise of preventive medicine. Stone DA. **J Health Polit Policy Law** 1986;11(4):671–96

Preventive health maneuvers for the elderly: recommendations vs reimbursement policies. Carnes M, et al. **Wis Med J** 1987 Feb;86(2):27–9

[Prevention, screening and other extra-therapeutic activities in the practice of general medicine] Bui Dang Ha Doan, et al. **Can Sociol Demogr Med** 1986 Jan–Mar;26(1):3–76 **(Fre)**

[Prevention in general practice. Possibilities of preventive examinations—challenges for the general practitioner] Hamm H. **Fortschr Med** 1987 Apr 10;105(10):70–1 **(Ger)**

[The status of prophylaxis in the socialist countries] Friedemann H. **Sante Publique (Bucur)** 1986 Apr–Jun; 29(2):71–80 (Eng. Abstr.) **(Ger)**

[Is everything clear in prevention?] Ewert G. **Z Arztl Fortbild (Jena)** 1987;81(11):519–20 **(Ger)**

[Socialist aspects of preventive medicine] Lämmel R, et al. **Z Arztl Fortbild (Jena)** 1986;80(24):1047–50 **(Ger)**

[The responsibility of state leaders of health services for implementation of comprehensive health protection] Zimmermann B. **Z Arztl Fortbild (Jena)** 1986;80(15):639–40 **(Ger)**

[Dispensary management from pediatric and nosologic viewpoints] Jalant W, et al. **Z Gesamte Hyg** 1987 Feb; 33(2):87–8 (Eng. Abstr.) **(Ger)**

[Prevention for children and adolescents—social concerns and common tasks] Ockel E, et al. **Z Gesamte Hyg** 1987 Feb;33(2):67–9 (Eng. Abstr.) **(Ger)**

[Socialism and health—social aspects of the health concept] Straass G. **Z Gesamte Hyg** 1987 Jan;33(1):2–5 (Eng. Abstr.) **(Ger)**

[Experience with preventive and routine health surveillance at the industrial enterprises of the Cheliabinsk region] Medvedev AI. **Gig Tr Prof Zabol** 1987 Mar;(3):52–4 **(Rus)**

[Experience with routine and preventive health surveillance at the industrial enterprises of the Kemerov region] Zenkov VA. **Gig Tr Prof Zabol** 1987 Mar;(3):54–6 **(Rus)**

[Preventive medical examination of gynecologic patients in a large city] Grishtaeva VI. **Sov Zdravookhr** 1987;(7):31–4 (Eng. Abstr.) **(Rus)**

[Outcome and prospects for the implementation of a complex program for the prevention of disease and promotion of public health] Kanep VV, et al. **Sov Zdravookhr** 1987; (6):23–7 **(Rus)**

[Implementation of the "Complex program of activities to improve disease prevention and promote the health of the population of the USSR from 1985 to 1990"]Shchepin OP. **Sov Zdravookhr** 1987;(4):3–10 **(Rus)**

[Current problems of dispensary care in the work of therapists] El'shtein NV. **Ter Arkh** 1987;59(5):8–11 (Eng. Abstr.) **(Rus)**

[Prevention, dispensarization and the ambulatory-polyclinic service] Potapov AI. **Ter Arkh** 1987;59(1):3–6 **(Rus)**

[Tasks for further improving and refining the work of maintaining and promoting the health of military personnel] Komarov FI. **Voen Med Zh** 1987 Jan;(1):3–11 **(Rus)**

UTILIZATION

Trends in routine screening examinations. Dawson DA, et al. **Am J Public Health** 1987 Aug;77(8):1004–5

Periodic health examination: comparison of residency programs and national recommendations. Goldenberg K. **J Gen Intern Med** 1986 Sep–Oct;1(5):282–6

PREVENTIVE MEDICINE

Patient education, preventive medicine, and the radiologist [letter] Sartoris DJ. **AJR** 1987 Feb;148(2):456

The systematic practice of preventive cardiology. Kottke TE, et al. **Am J Cardiol** 1987 Mar 1;59(6):690–4

Incidental appendectomy [letter] Moore FD. **Am J Public Health** 1987 Aug;77(8):1015–6

A prevention armamentarium for aeromedical practitioners. Moser R Jr, et al. **Aviat Space Environ Med** 1987 Jun; 58(6):590–9

Preventive medicine: physician practices, beliefs, and perceived barriers for implementation. Henry RC, et al. **Fam Med** 1987 Mar–Apr;19(2):110–3

Whither preventive medicine? Burch PR. **J Chronic Dis** 1987; 40(7):737–9

The dentist and preventive medicine: be all that you can be [editorial] Fried RA. **J Public Health Dent** 1987 Spring; 47(2):68–70

Preventive medicine or disease prevention [letter] Eddy TP. **J R Soc Med** 1987 Apr;80(4):258–9

The teaching of preventive medicine. The role of the primary health care team. Fowler G. **J R Soc Med** 1986 Nov; 79(11):633–6

Disability: its prevention and rehabilitation [editorial] Ebrahim GJ. **J Trop Pediatr** 1987 Feb;33(1):2–3

Are you practicing preventive medicine? Athy D. **Ohio State Med J** 1986 Oct;82(10):685, 687

The health promotion sciences in chronic disease prevention. The scientific base of health promotion. Iverson DC. **Prev Med** 1986 Sep;15(5):439–41

Promoting health and preventing disease in health care settings: an analysis of barriers. Orlandi MA. **Prev Med** 1987 Jan;16(1):119–30

[The status and validity of epidemiology in the practice of hygiene and preventive medicine] Li SF. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Oct; 7(5):296–9 **(Chi)**

[From social epidemiology to the sociology of prevention: 15 years' research on the social etiology of disease] Renaud M. **Rev Epidemiol Sante Publique** 1987;35(1):3–19 (87 ref.) (Eng. Abstr.) **(Fre)**

[Prevention, public health and science] Abelin T. **Soz Praventivmed** 1986;31(4–5):190–1 **(Ger, Fre)**

[Experience with the work of the WHO project for the control non-infectious diseases] Glazunov IS. **Sov Zdravookhr** 1987;(1):54–7 **(Rus)**

[Responsibility of the clinician in the prevention and control of chronic diseases] Vallbona C. **Rev Clin Esp** 1987 May; 180(9):469–74 **(Spa)**

[The prevention of nuclear war the and preservation of peace. A new sphere of preventive medicine (letter)] Córdova Alvelais L. **Rev Invest Clin** 1986 Jul–Sep;38(3):343–4 **(Spa)**

ECONOMICS

Promoting preventive care: changing reimbursement is not enough [editorial] McPhee SJ, et al. **Am J Public Health** 1987 Jul;77(7):780–1

The cost of preventive medicine [editorial] Klopper JM, et al. **S Afr Med J** 1987 Jun 20;71(12):747–8

EDUCATION

Preventive medicine, medical education and better health. Hicks N. **Community Health Stud** 1986;10(4):425–6

Four "orphan" areas in current medical education: what hope for adoption? Somers AR. **Fam Med** 1987 Mar–Apr; 19(2):137–40

The teaching of preventive medicine. An ecological approach to preventive medicine. Acheson RM. **J R Soc Med** 1986 Nov;79(11):636–8

The teaching of preventive medicine. A health education perspective. Davis AM. **J R Soc Med** 1986 Nov; 79(11):629–31

Preventive medicine [editorial] McCormick J. **J R Soc Med** 1986 Nov;79(11):625

Preventive medicine in undergraduate medical education. Kinlay S. **Med J Aust** 1987 Apr 20;146(8):425–7, 430

Curricular influences on preventive-care attitudes. Scott CS, et al. **Prev Med** 1986 Jul;15(4):422–31

Promoting medical student attention to preventive medicine in the clinical setting. Woollscroft JO, et al. **Proc Annu Conf Res Med Educ** 1984;23:317–22

[Problems in training physician-laboratory workers of community health divisions of sanitary-epidemiologic stations] Dautov FF. **Gig Sanit** 1987 Jan;(1):32–4 **(Rus)**

[Organization of postgraduate training of specialists in the area of phthisiopulmonology.] Greimer MS, et al. **Probl Tuberk** 1987;(3):13–6 (Eng. Abstr.) **(Rus)**

HISTORY

The Lister Institute of Preventive Medicine. Neuberger A. **Bioessays** 1985 Nov;3(5):234–5

[Preventive therapy prescriptions in early Russian literature] Poddubnyi MV. **Sov Zdravookhr** 1987;(7):66–7 **(Rus)**

METHODS

Evaluating interventions against tropical diseases. Smith PG. **Int J Epidemiol** 1987 Jun;16(2):159–66

Preventive services in clinical practice: designing the periodic health examination [editorial] Lawrence RS, et al. **JAMA** 1987 Apr 24;257(16):2205–7

[Preventive medicine—a primer for the family physician] Horn B. **Ther Umsch** 1986 Aug;43(8):625–9 (Eng. Abstr.) **(Ger)**

TRENDS

The environment of medicine in the 21st century: implications for preventive and community approaches. White F. **Can Med Assoc J** 1987 Mar 15;136(6):571–5

The case for prevention: how strong is it? [letter] **Hastings Cent Rep** 1987 Apr;17(2):46–8

The 1984 Thomas L. Northup memorial address: Osteopathic manipulative care in preventive medicine. Heilig D. **J Am Osteopath Assoc** 1986 Oct;86(10):645–51

Preventive pediatrics: the promise and the peril. Eisenberg L. **Pediatrics** 1987 Sep;80(3):415–22 (56 ref.)

[Prospects and ethics of predictive medicine] Dausset J. **Pathol Biol (Paris)** 1986 Jun;34(6):812–3 **(Fre)**

[Social and preventive medicine developments in the next 15 years] Burner M. **Soz Praventivmed** 1986;31(6):297–301 (Eng. Abstr.) **(Fre)**

[The preventability of death] Blumenthal-Barby K, et al. **Z Arztl Fortbild (Jena)** 1986;80(11):433–4 **(Ger)**

[27th Congress of the CPSU and tasks in the area of protecting the health of children and adolescents] Serdiukovskaia GN. **Gig Sanit** 1986 Sep;(9):4–7 **(Rus)**

[Current concepts concerning the nature, types and effectiveness prevention] Mindlin IaS, et al. **Sov Zdravookhr** 1987;(2):8–13 **(Rus)**

PREVENTIVE PSYCHIATRY see under **COMMUNITY PSYCHIATRY**

PRIAPISM

CHEMICALLY INDUCED

Priapism associated with concurrent use of thioridazine and metoclopramide [letter] Velek M, et al. **Am J Psychiatry** 1987 Jun;144(6):827–8

Priapism and psychotropic medication. Kogeorgos J, et al. **Br J Psychiatry** 1986 Aug;149:241–3

Priapism associated with thiothixene, chlorpromazine, and thioridazine [letter] Balon R, et al. **J Clin Psychiatry** 1987 May;48(5):216

Trazodone and priapism. Warner MD, et al. **J Clin Psychiatry** 1987 Jun;48(6):244–5

Emergency treatment of papaverine priapism. Fernandez JA, et al. **J Emerg Med** 1987 Jul–Aug;5(4):289–91

Priapism induced by chlorpromazine and trazodone: mechanism of action. Abber JC, et al. **J Urol** 1987 May; 137(5):1039–42

Priapism related to phenelzine therapy [letter] Yeragani VK, et al. **N Engl J Med** 1987 Jul 9;317(2):117–8

Treatment of prolonged or priapistic erections following intracavernosal papaverine therapy. Padma-Nathan H, et al. **Semin Urol** 1986 Nov;4(4):236–8

[Priapism during treatment with calcium heparinate (letter)] Bergmann JF, et al. **Therapie** 1987 Mar–Apr;42(2):250–1 **(Fre)**

COMPLICATIONS

Homozygous sickle cell disease and priapism in the eastern province of Saudi Arabia. Taha SA, et al. **Acta Haematol (Basel)** 1987;77(1):60–1

Priapism in myeloma [letter] Flanagan NG, et al. **Clin Lab Haematol** 1987;9(2):209–10

Technique for placement of Small-Carrion prosthesis postpriapism. Douglas LL. **Urology** 1987 Sep;30(3):273–4

[Paroxysmal nocturnal hemoglobinuria and priapism (letter)] Montalbán J, et al. **Med Clin (Barc)** 1986 Sep 27;87(9):394 **(Spa)**

DIAGNOSIS

[Angiographic, cavernosonographic and clinical differentiation of two forms of priapism with different prognoses] Brühlmann W, et al. **ROFO** 1987 Aug; 147(2):165–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Priapism treated with benztropine [letter] Greenberg WM, et al. **Am J Psychiatry** 1987 Mar;144(3):384–5

Treatment of post-traumatic priapism by intracavernous injection of alpha-stimulant. Mizutani M, et al. **Urol Int** 1986;41(4):312–4

[Intracavernous injection of etilefrine hydrochloride in iatrogenic priapism] Uchida T, et al. **Hinyokika Kiyo** 1986

Dec;32(12):1879–82 (Eng. Abstr.) (Jpn)

ETIOLOGY

Priapism complicates pharmacological treatment of severe psychosis. Velek M, et al. **Ala Med** 1987 Mar;56(9):41–2, 47

Priapism and dialysis. Singhal PC, et al. **Am J Nephrol** 1986; 6(5):358–61

Causal relationships between drug-induced hypercoagulability and priapism. Bornman MS, et al. **Arch Androl** 1986;17(3):231–2

Priapism and thalassaemia intermedia [letter] Rao KR, et al. **Br J Surg** 1986 Dec;73(12):1048

Priapism in patients treated with total parenteral nutrition. Ekström B, et al. **Br J Urol** 1987 Feb;59(2):170–1

Priapism in CML [letter] Singhvi GR, et al. **J Assoc Physicians India** 1986 Jul;34(7):535–6

Urological complications of sickle cell disease in a pediatric population. Tarry WF, et al. **J Urol** 1987 Sep;138(3):592–4

Intermittent priapism in spinal canal stenosis. Ram Z, et al. **Spine** 1987 May;12(4):377–8

[A case of priapism caused by disseminated intravascular coagulopathy] Takamura S, et al. **Hinyokika Kiyo** 1987 Mar;33(3):453–7 (Eng. Abstr.) (Jpn)

[Priapism as a rare complication of reconstructive operations on the arteries of the lower extremities] Ukhanov AP. **Khirurgiia (Mosk)** 1987 Jun;(6):125–6 (Rus)

THERAPY

Aetiological factors and management of priapism in Bristol 1978–1983. Kaisary AV, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):252–4

[Priapism—a therapeutic challenge] Chuang JY, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):61–8 (Eng. Abstr.) (Chi)

PRILOCAINE

3-in-1 lumbar plexus block for muscle biopsy in malignant hyperthermia patients. Amide local anaesthetics may be used safely. Gielen M, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):581–3

Intravenous regional anaesthesia below the knee. A cross-over study with prilocaine in volunteers. Valli H, et al. **Anaesthesia** 1986 Dec;41(12):1196–201

Double-blind evaluation of a lignocaine–prilocaine cream (EMLA) in children. Effect on the pain associated with venous cannulation. Maunuksela EL, et al. **Br J Anaesth** 1986 Nov;58(11):1242–5

A randomized trial of Citanest with Octapressin for relief of pain associated with laser vaporization of the cervix. Lee ET, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):967–9

A comparison of Ultracaine DS (articaine HCl) and Citanest forte (prilocaine HCl) in maxillary infiltration and mandibular nerve block. Donaldson D, et al. **Can Dent Assoc J** 1987 Jan;53(1):38–42

Bier's block—an improved technique. Eastwood D, et al. **Injury** 1986 May;17(3):187–8

[Comparative study of 1% prilocaine and 1% mepivacaine in axillary plexus anesthesia] Büttner J, et al. **Reg Anaesth** 1987 Apr;10(2):70–5 (Eng. Abstr.) (Ger)

[Clinical and toxicologic study of axillary plexus block with prilocaine or mepivacaine] Tryba M, et al. **Reg Anaesth** 1987 Jan;10(1):31–6 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

[Elimination of the obturator reflex with prilocaine in transurethral resection of bladder tumors in combination with spinal and general anesthesia] Schwilick R, et al. **Reg Anaesth** 1987 Apr;10(2):65–9 (Eng. Abstr.) (Ger)

[EMLA cream used as a local anesthetic before insertion of a peripheral venous catheter (Venflon) in children] Dybvik T, et al. **Tidsskr Nor Laegeforen** 1986 Nov 30; 106(33):2829–30 (Eng. Abstr.) (Nor)

BLOOD

Systemic uptake of prilocaine after injection of various formulations of the drug. Cannell H, et al. **Br Dent J** 1986 Jan 25;160(2):47–9

PRIMACLONE see **PRIMIDONE**

PRIMAQUINE

S-configuration of (+)-primaquine by X-ray analysis of the urea obtained with R-(+)-1-phenylethylisocyanate. Yu QS, et al. **FEBS Lett** 1987 Sep 14;221(2):325–6

[Research on primaquine] Shao BR. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):61–2 (28 ref.) (Chi)

ANALOGS & DERIVATIVES

Modifications of primaquine as antimalarials. 4. 5-Alkoxy derivatives of primaquine. Chen EH, et al. **J Med Chem** 1987 Jul;30(7):1193–9

[Synthesis of analogs of 4-methyl-5(p-fluorophenoxy)-primaquine as a tissue schizonticide of the malaria parasite] Chen C, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):698–701 (Eng. Abstr.) (Chi)

BLOOD

Pharmacokinetics of primaquine in patients with P. vivax malaria. Bhatia SC, et al. **Eur J Clin Pharmacol** 1986; 31(2):205–10

METABOLISM

Novel sulfur-containing microbial metabolite of primaquine. Hufford CD, et al. **Antimicrob Agents Chemother** 1986 Aug; 30(2):234–7

The effect of malaria infection on primaquine elimination in the isolated perfused rat liver. Mihaly GW, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):225–8

The pharmacokinetics of (+)- and (–)-primaquine in the isolated perfused rat liver preparation. Ward SA, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2238–9

Biotransformation of primaquine in vitro with human K562 and bone marrow cells. Frischer H, et al. **J Lab Clin Med** 1987 Apr;109(4):414–21

Biodegradable microspheres. VI: Lysosomal release of covalently bound antiparasitic drugs from starch microparticles. Laakso T, et al. **J Pharm Sci** 1987 Feb; 76(2):134–40

PHARMACODYNAMICS

On the effects of weak bases and monensin on sorting and processing of lysosomal enzymes in human cells. Braulke T, et al. **Eur J Cell Biol** 1987 Jun;43(3):316–21

Single dose primaquine has no effect on paracetamol clearance. Back DJ, et al. **Eur J Clin Pharmacol** 1987; 32(2):203–5

Ligand- and weak base-induced redistribution of asialoglycoprotein receptors in hepatoma cells. Zijderhand-Bleekemolen JE, et al. **J Cell Biol** 1987 Jun; 104(6):1647–54

Methemoglobinogenic potential of primaquine and its mutagenicity in the Ames test. Marrs TC, et al. **Toxicol Lett** 1987 May;36(3):281–7

Effects of primaquine on hepatic microsomal haemoproteins and drug oxidation. Murray M, et al. **Toxicology** 1986 Dec 15;42(2–3):205–17

THERAPEUTIC USE

Seven patients with relapses of Plasmodium vivax or P. ovale despite primaquine treatment. Rombo L, et al. **Trop Med Parasitol** 1987 Mar;38(1):49–50

Elimination of the gametocytes of Theileria annulata of cattle by primaquin phosphate. Zhang ZH. **Vet Parasitol** 1987 Jan;23(1–2):11–21

PRIMARY CARE PHYSICIANS see **PHYSICIANS, FAMILY**

PRIMARY HEALTH CARE

An analysis of the nature of depressive phenomena in primary health care utilising multivariate statistical techniques. Sen B. **Acta Psychiatr Scand** 1987 Jul;76(1):28–32

Detecting "cracks" in mental health service systems: application of network analytic techniques. Tausig M. **Am J Community Psychol** 1987 Jun;15(3):337–51

Primary care and pediatrics [letter] Bader M. **Am J Dis Child** 1987 Mar;141(3):239

Chronic illness in children. An educational program for a primary-care pediatric residency. Desguin BW. **Am J Dis Child** 1986 Dec;140(12):1246–9

Home with a new heart. Haskell DJ. **Am J Nurs** 1987 Jun; 87(6):813–6

Anxiety and depression in a primary care clinic. Comparison of Diagnostic Interview Schedule, General Health Questionnaire, and practitioner assessments. Von Korff M, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):152–6

Exposing the iceberg of unrecognized disability. The benefits of functional assessment of the elderly [editorial] Rubenstein LZ. **Arch Intern Med** 1987 Mar;147(3):419–20

What is a good GP? [letter] **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1566–7

Preventing discontinuity in community care of arthritis patients: a follow-up study of transfer. Russell MN, et al. **Can J Public Health** 1987 Mar–Apr;78(2):119–23

Community care versus hospital medicine: the widening gap. Delva P. **Can Med Assoc J** 1987 May 15;136(10):1092–3, 1095

Inequalities in primary medical care among working males, 15–64, in New Zealand. Davis P. **Community Health Stud** 1986;10(3):323–9

Better health for groups at risk: the special needs or basic rights? Gifford S. **Community Health Stud** 1986;10(4):411–4

The developing countries: primary health care. Mitchell FL. **Contemp Issues Clin Biochem** 1985;2:214–21

District focus: oral rehydration, primary health care and the scientist. Jansen AA, et al. **East Afr Med J** 1986 Sep; 63(9):622–5

The impact of ambulatory care centers on emergency medicine. Hellstern RA. **Emerg Med Clin North Am** 1987 Feb;5(1):103–17

Primary health care in industrialized countries. Report on a WHO meeting. **EURO Rep Stud** 1985;(95):1–60

Screening depression in primary care: back to the basics with a new tool. Davis TC, et al. **Fam Med** 1987 May–Jun; 19(3):200–2

Health care seeking behaviors of family practitioners. Demers RY, et al. **Fam Med** 1987 Mar–Apr;19(2):125–8

The town becomes the gown: moving education into the community [editorial] Frey JJ. **Fam Med** 1987 Mar–Apr; 19(2):87–8

Is there a public need? [editorial] Marsland DW, et al. **Fam Med** 1986 Jul–Aug;18(4):187–8

Integrating community oriented primary care into training and practice: a view from the Bronx. Strelnick AH, et al. **Fam Med** 1986 Jul–Aug;18(4):205–9

General practice research from developing countries: health or medicine? Mäkelä M. **Fam Pract** 1987 Jun;4(2):134–7

Denominator definition by the utilization correction factor method. Mayo F, et al. **Fam Pract** 1986 Sep;3(3):184–91

Effect of establishing a primary health care centre on the utilization of primary health care and other out-patient care in a Swedish urban area [published erratum appears in Fam Pract 1986 Dec;3(4):275] Sjönell G. **Fam Pract** 1986 Sep; 3(3):148–54

The effectiveness of mental health consultation and referral in ambulatory primary care: a research lacuna. Kamerow DB, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):111–7 (58 ref.)

Patient-oriented models for linking primary care and mental health care. Pincus HA. **Gen Hosp Psychiatry** 1987 Mar; 9(2):95–101

Primary care–psychiatry interaction: a British perspective. Strathdee G. **Gen Hosp Psychiatry** 1987 Mar;9(2):102–10

Evaluation of psychiatric consultation-liaison in primary care settings. Von Korff M, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):118–25

Emerging patterns in transitional care. Traxler H, et al. **Health Aff (Millwood)** 1987 Summer;6(2):57–68

Health care in the community: activities in primary health care. Russell EM. **Health Bull (Edinb)** 1987 Jan;45(1):41–6

The substitutability of outpatient primary care in rural community health centers for inpatient hospital care. Deprez RD, et al. **Health Serv Res** 1987 Jun;22(2):207–33

Discharge planning: an organizational perspective. Marcus LJ. **Health Soc Work** 1987 Winter;12(1):39–46

Arizona revisited [letter] Bittker TE. **Hosp Community Psychiatry** 1987 Mar;38(3):307

Continuous treatment teams in the care of the chronic mentally ill. Torrey EF. **Hosp Community Psychiatry** 1986 Dec;37(12):1243–7

Perinatal mortality in India: can it be reduced through primary health care. Shah U. **Indian J Pediatr** 1986 May–Jun;53(3):327–34

Facility, physician group strengthen continuity of care for the elderly. Musker J, et al. **Indiana Med** 1987 May; 80(5):474–5

The epidemiology of depression in medical care. Katon W. **Int J Psychiatry Med** 1987;17(1):93–112 (103 ref.)

Response of nursing education to primary health care: the training and practice of post basic community health nurses in Botswana. Anderson SV. **Int Nurs Rev** 1987 Jan–Feb; 34(1):17–25

Unifying the strategies of primary health care and nursing education. Davis JH, et al. **Int Nurs Rev** 1987 Jul–Aug; 34(4):102–6

Health for all and nursing in Turkey. Uyer G. **Int Nurs Rev** 1987 Jan–Feb;34(1):15–6

A student health center for the urban campus: a nontraditional, primary health care model. Burnett D. **J Am Coll Health** 1987 Jan;35(4):171–4

Linking health with dental health care [letter] Yale SH. **J Am Dent Assoc** 1987 Mar;114(3):292

Liability and the primary care optometrist. Classé JG. **J Am Optom Assoc** 1986 Dec;57(12):926–8

Assessment of psychological morbidity in primary care: explorations with the General Health Questionnaire. Berwick DM, et al. **J Chronic Dis** 1987;40 Suppl 1:71S–84S

Panic disorder: epidemiology, diagnosis, and treatment in primary care. Katon W. **J Clin Psychiatry** 1986 Oct;47 Suppl:21–30 (60 ref.)

Teaching community-oriented primary care (COPC): a practical approach. Osborn EH, et al. **J Community Health** 1986 Fall;11(3):165–71

Abdominal pain in the primary care setting. Adelman A. **J Fam Pract** 1987 Jul;25(1):27–32

Low back pain in the primary care setting. Barton JE, et al. **J Fam Pract** 1976 Aug;3(4):363–6

Functional health assessments: are they ready for use in clinical practice? [editorial] Bergner M. **J Fam Pract** 1986 Nov;23(5):423–4

Gatekeeping in primary care: a comparison of internal medicine and family practice. Bertakis KD, et al. **J Fam Pract** 1987 Mar;24(3):305–9

Is screening for mental health problems worthwhile in family practice? An opposing view. Campbell TL. **J Fam Pract** 1987 Aug;25(2):184–7

Content of the model teaching unit ambulatory care training and continuity of care in six family practice residency programs. Ellsbury KE, et al. **J Fam Pract** 1987 Sep; 25(3):273–8

Is screening for mental health problems worthwhile in family practice? An affirmative view. Kamerow DB. **J Fam Pract** 1987 Aug;25(2):181–4

Bulimia: diagnosis and management in the primary care setting. Lipscomb PA. **J Fam Pract** 1987 Feb;24(2):187–94 (78 ref.)

A new method for measuring continuity of care in family practice residencies. Magill MK, et al. **J Fam Pract** 1987

Feb;24(2):165–8
Prevalence and recognition of depression among primary care outpatients. Prestidge BR, et al. **J Fam Pract** 1987 Jul;25(1):67–72 (37 ref.)
Whither primary care in the academic health science center? Schwenk TL, et al. **J Fam Pract** 1986 Nov;23(5):489–93
The new International Classification of Primary Care: genesis and implications for patient care and research [editorial] Wood M. **J Fam Pract** 1987 Jun;24(6):569–71
The resident leaves the clinic: the effects of changing physicians on appointment-keeping behavior. Brown JT, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):98–100
Impact of therapeutic guidelines on antibiotic use by residents in primary care clinics. Faryna A, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):102–7
Research by general internal medicine units for primary care in academic health centers. Huth EJ. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S3–7
Effect of resident turnover on patients' appointment-keeping behavior in a primary care medical clinic. Lanska MJ, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):101–3
The knowledge base of primary care: a call to arms [editorial] Nutting PA. **J Gen Intern Med** 1986 Mar–Apr;1(2):130–1
Continuity of care after July: what happens to the resident's patients? Retchin SM, et al. **J Gen Intern Med** 1986 Mar–Apr;1(2):94–7
Primary health care and people's movements. Banerji D. **J Indian Med Assoc** 1986 Jul;84(7):223–4
Primary health care and people's movements [letter] Mullick RN. **J Indian Med Assoc** 1986 Nov;84(11):357–8
Graduates' assessments of undergraduate training in ambulatory primary care education. Glasser M, et al. **J Med Educ** 1987 May;62(5):385–93
Carry the water to the desert. Higgs ZR. **J Prof Nurs** 1985 Jul–Aug;1(4):217–20
Health care for the homeless [letter] Tandon PK. **J R Coll Gen Pract** 1986 Jun;36(287):292
Health for all, primary health care and general practitioners. Vuori H. **J R Coll Gen Pract** 1986 Sep;36(290):398–402
The school nurse's role in school-based clinics. Edwards LH. **J Sch Health** 1987 Apr;57(4):157–9
Leads from the MMWR. Guidelines for diabetic eye disease control—Kentucky. **JAMA** 1987 Mar 20;257(11):1449, 1453
Detection and management of mental health problems of older patients by primary care providers. German PS, et al. **JAMA** 1987 Jan 23–30;257(4):489–93
Training in a primary care internal medicine residency program. The first ten years. McPhee SJ, et al. **JAMA** 1987 Sep 18;258(11):1491–5
Continuing care for the preterm infant after dismissal from the neonatal intensive care unit. Swanson JA, et al. **Mayo Clin Proc** 1987 Jul;62(7):613–22 (109 ref.)
A model of continuity of care for cancer patients with chronic pain. Coyle N. **Med Clin North Am** 1987 Mar; 71(2):259–70
Teaching primary health care: some lessons from Zimbabwe. Waterston T, et al. **Med Educ** 1987 Jan;21(1):4–9
Occupational lower-back injuries in a primary medical care setting: a five-year follow-up study. Piterman L, et al. **Med J Aust** 1987 Sep 21;147(6):276–9
Child health strategies in primary health care. Jelliffee DB. **Med J Malaysia** 1986 Mar;41(1):84–7
Guidelines for diabetic eye disease control—Kentucky. **MMWR** 1987 Feb 27;36(7):93–4
A randomized clinical trial of early hospital discharge and home follow-up of very-low-birth-weight infants. Brooten D, et al. **N Engl J Med** 1986 Oct 9;315(15):934–9
Mental health services in primary care [letter] **Nurse Pract** 1986 Nov;11(11):8, 10
Schizophrenia in primary care. Hancock L. **Nurse Pract** 1987 Jan;12(1):8–10, 15–9, 22
The NP's role in primary care mental health services [letter] Weinberg AM. **Nurse Pract** 1986 Dec;11(12):15, 56
An assessment of practice-based CME. Finestone AJ, et al. **Pa Med** 1987 Jun;90(6):45–6, 48
Use of the emergency department by children enrolled in a primary care clinic. DeAngelis C, et al. **Pediatr Emerg Care** 1985 Jun;1(2):61–5
Primary care pediatrics and child psychopathology: a review of diagnostic, treatment, and referral practices. Costello EJ. **Pediatrics** 1986 Dec;78(6):1044–51 (26 ref.)
Rabies prevention in primary care. A four-step approach. Fishbein DB, et al. **Postgrad Med** 1987 Sep 1;82(3):83–90, 93–5
Peptic ulcer disease. The role of the primary care physician in therapeutic intervention. Ruoff GE. **Postgrad Med** 1987 Apr;81(5):85–90
Patient education in primary care practice. Tips on planning a workable in-office program. Vogt HB, et al. **Postgrad Med** 1987 Mar;81(4):273–8
Health promotion in primary medical care: problems and potential. Nutting PA. **Prev Med** 1986 Sep;15(5):537–48
The influence of prior experience and confidence on physician preferences for information sources and continuity of care. Gruppen LD, et al. **Proc Annu Conf Res Med Educ** 1986;25:177–82
Research-and-teaching elective in a primary care oriented school. Pantoja E, et al. **Proc Annu Conf Res Med Educ** 1984;23:26–32
The role of the private general practitioner in the clinic-based primary health care service in KwaZulu. Heard NM, et al. **S Afr Med J** 1986 Nov 8;70(10):606–7
Evaluation of the health services on a primary health care based system. Beldescu N, et al. **Sante Publique (Bucur)** 1986 Jan–Mar;29(1):3–16
Comparative study of the effectiveness of three models of primary health care (PHC). Matuszkiewicz W. **Sante Publique (Bucur)** 1985;28(4):275–88
Medical and public health research of the European economic community. Backer P. **Scand J Prim Health Care** 1986 Nov;4(4):241–2
Stress management in the treatment of essential hypertension in primary health care. Knox S, et al. **Scand J Prim Health Care** 1986 Sep;4(3):175–81
The quality of laboratory analyses in the primary health care. A proficiency survey on hemoglobin, glucose, leucocyte count and sedimentation rate (ESR) measurements. Landaas S, et al. **Scand J Prim Health Care** 1986 Sep; 4(3):169–73
Hypertension case-finding in primary health care. Experience from the Skaraborg Hypertension Project. Råstam L, et al. **Scand J Prim Health Care** 1987 Feb;5(1):9–12
Waiting room time in the assessment of an appointment system in primary care. Westman G, et al. **Scand J Prim Health Care** 1987 Feb;5(1):35–40
Primary health care: co-operation between health and welfare personnel. An International Study. Westrin CG. **Scand J Soc Med [Suppl]** 1987;38:1–76
Bridging the gap: the village health worker as the cornerstone of the primary health care model. Bender DE, et al. **Soc Sci Med** 1987;24(6):515–28
Socio-demographic variation in perceived illness and the use of primary care: the value of community survey data for primary care service planning. Bucquet D, et al. **Soc Sci Med** 1986;23(7):737–44
The role of the chemist in primary health care for children with minor complaints. Cunningham-Burley S, et al. **Soc Sci Med** 1987;24(4):371–7
The secret bread tests: selective primary health care or experimentation on human-beings? Kamien M. **Soc Sci Med** 1987;24(5):445–8
Evaluation of the annual activity of a continuing medical and home care unit. Mor G, et al. **Soc Sci Med** 1987; 24(11):967–72
Diagnosing depression in primary care: a practical, interdisciplinary review and a call for change. Davis TC, et al. **South Med J** 1986 Oct;79(10):1273–9
Primary ophthalmic care: why did patients choose to come to the accident and emergency department? Wong D, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):510–2
Improving recognition of onchocerciasis in primary care—2: Learning from a cultural perspective. Brieger WR, et al. **Trop Doct** 1986 Jan;16(1):9–13
Treatment of otitis media and ear infections. Holborow C. **Trop Doct** 1986 Jan;16(1):32–3
PHC and medical missionaries [letter] Sabate F. **Trop Doct** 1986 Oct;16(4):154
Multiple somatic complaints in primary health care settings in tropical countries. Srinivasan K, et al. **Trop Doct** 1986 Jan;16(1):18–21
Medical missionaries and primary health care [letter] Stefanini A. **Trop Doct** 1986 Apr;16(2):81
Recording of birth weight in a primary health care setting in India. Datta N, et al. **Trop Geogr Med** 1987 Jan; 39(1):18–23
Accountability for health for all. Mahler H. **WHO Chron** 1986;40(6):211–5
Hospitals and health for all. Report of the WHO Expert Committee on the Role of Hospitals at the First Referral Level. **WHO Tech Rep Ser** 1987;744:1–82
Regulatory mechanisms for nursing training and practice: meeting primary health care needs. Report of a WHO Study Group. **WHO Tech Rep Ser** 1986;738:1–71
[The program of the World Health Organization "Health for All by the Year 2000" as inspiration, task, practical guide and long-term perspective for health care] Holčík J. **Cas Lek Cesk** 1987 May 4;126(18):545–9 (Eng. Abstr.) (Cze)
[Indicators in the program of the World Health Organization "Health for All by the Year 2000" as tools in the management of health care] Holčík J. **Cas Lek Cesk** 1987 May 4;126(18):550–5 (Eng. Abstr.) (Cze)
[Utilization of casualty departments by primary health services. A prospective study] Beier-Holgersen R, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3246–8 (Eng. Abstr.) (Dan)
[Health Maintenance Organizations; the quality of integrated health care] Schut FT, et al. **Ned Tijdschr Geneeskd** 1987 Mar 14;131(11):450–4 (Dut)
[Possibilities for prevention in the aged in primary health care] Huygen FJ. **Tijdschr Gerontol Geriatr** 1986 Oct; 17(5):201–4 (Eng. Abstr.) (Dut)
[Early management of children at risk for handicap and their parents] Terrier F. **Arch Fr Pediatr** 1986;43 Suppl 1:579–82 (Fre)
[Dracunculosis, a scourge eradicated from 3 villages of Burkina Faso through health education] Gbary AR, et al. **Bull Soc Pathol Exot Filiales** 1987;80(3):390–5 (Eng. Abstr.) (Fre)
[Harmless infectious diseases in general practice] Flückiger H, et al. **Ther Umsch** 1986 Aug;43(8):640–5 (Eng. Abstr.) (Ger)
[The present status of primary care for hypertension in Amagasaki City] Nakamuta K, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):957–63 (Jpn)
[Health check-ups for the elderly. A task for primary health care] Brunvand L, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1960–2 (Eng. Abstr.) (Nor)
[Diagnoses in the municipality of Nesdalstind. Methods to be used in the diagnostic work] Bruusgaard D. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2175–7 (Eng. Abstr.) (Nor)
[Preventive interventions and triaxial registration of health problems in primary care] Lima BR. **Bol Of Sanit Panam** 1987 Feb;102(2):132–47 (Eng. Abstr.) (Por)
[Continuity and relations in the activities of sector therapeutics and other specialists in a polyclinic] Mindlin IaS, et al. **Sov Zdravookhr** 1987;(6):13–6 (Eng. Abstr.) (Rus)
[Efficient location of primary therapeutic-preventive institutions in rural locales] Petrikhin VP. **Sov Zdravookhr** 1987;(1):20–2 (Eng. Abstr.) (Rus)
[Continuity of the joint care provided by ophthalmologists and pediatricians during general annual preventive examinations] Kovalevskiĭ EI, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):8–11 (Eng. Abstr.) (Rus)
[Psychiatric morbidity in primary health care in Mexico City] Gutiérrez Avila JH, et al. **Bol Of Sanit Panam** 1986 Dec; 101(6):648–59 (Eng. Abstr.) (Spa)
[Primary care and medical education: a live-in learning experience through the Ruralito. Colombia] Arango de Bedoya Y, et al. **Educ Med Salud** 1987;21(1):70–81 (Spa)
[Primary health care in the rural milieu (letter)] de Lorenzo-Cáceres Ascanio A, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):479 (Spa)
[Evaluation of the pharmaceutic specialties in primary pediatric care in the city of Santa Coloma de Gramenet] Gómez Ortiz S. **Med Clin (Barc)** 1986 Nov 29;87(18):744–7 (Eng. Abstr.) (Spa)
[Clinical and epidemiologic study of diabetic ketoacidosis. Importance of primary care] Molina Durán F, et al. **Med Clin (Barc)** 1987 May 2;88(17):657–60 (Eng. Abstr.) (Spa)
[Potential impact of primary health care reform on drug prescription in Spain: the Ciutat Badia experience] Rey ME, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):141–3 (Eng. Abstr.) (Spa)
[Health education of the type II diabetes patient. The role of primary care (letter)] Trilla Soler M, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):130 (Spa)
[Anti-smoking campaign: primary care must take the first step (letter)] Vilatimó Pujal R, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):823 (Spa)
[Study of work absenteeism in primary care] Alfonso Sánchez JL, et al. **Rev Clin Esp** 1987 Mar;180(4):216–20 (Eng. Abstr.) (Spa)
[Public health in the academic curriculum] Sainz Martín M. **Rev Clin Esp** 1987 Apr;180(7):399–402 (Eng. Abstr.) (Spa)
[Primary health care in Canada] Hastings JE. **Salud Publica Mex** 1986 Nov–Dec;28(6):699–711 (Spa)
[Socioeconomic, demographic and health regionalization of the Mexican Republic: an instrument for planning and research in primary health care] Kunz I, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):681–98 (Spa)

ECONOMICS

Federally supported primary care training programs and pediatric careers. Shelov SP, et al. **Am J Dis Child** 1987 Jan;141(1):65–6
Providing primary general medical care in university hospitals: efficiency and cost. Kosecoff J, et al. **Ann Intern Med** 1987 Sep;107(3):399–405
Primary health care is not cheap: a case study from Guinea Bissau. Chabot J, et al. **Int J Health Serv** 1987;17(3):387–409
Primary care and public policy: the Florida experience. Clarke GJ. **J Fla Med Assoc** 1987 Apr;74(4):269–78
Primary care specialist capitation. What you should know—what you should ask. Gant RE. **J Tenn Med Assoc** 1986 Oct;79(10):623–4
The Monterey County Health Initiative. A post-mortem analysis of a California Medicaid demonstration project. Aved BM. **Med Care** 1987 Jan;25(1):35–45
Use of health care before and during Citicare. Bonham GS, et al. **Med Care** 1987 Feb;25(2):111–9
Primary care for the poor [letter] **N Engl J Med** 1987 Sep 3;317(10):635–6
Gatekeeping—clinical and administrative issues. Ellsbury KE. **West J Med** 1986 Aug;145(2):254–7

LEGISLATION & JURISPRUDENCE

Primary Care [letter] ALBERT DS. **J Am Optom Assoc** 1986 Dec;57(12):883

MANPOWER

An activity sampling study of primary care staff of two Harare polyclinics. Woelk GB, et al. **Cent Afr J Med** 1986 May;32(5):126–9
Clinical psychology and general practice: a four year review. Espie CA, et al. **Health Bull (Edinb)** 1986 Sep;44(5):266–73
Iowa physician manpower: disturbing trends. Helms CM, et al. **Iowa Med** 1987 Jun;77(6):272–4
Waiting for the doctor glut, or is the cavalry really coming?

Kallenberg GA, et al. **J Gen Intern Med** 1987 Jul-Aug; 2(4):251–6

Developing primary health care manpower: the Abu Dhabi model. Atnique MM. **J R Soc Health** 1987 Apr;107(2):55–7

Future research recommendations for establishing NP effectiveness. Crosby F, et al. **Nurse Pract** 1987 Jan; 12(1):75–6, 78–9

Nurses in primary care [editorial] Almind G. **Scand J Prim Health Care** 1987 May;5(2):66

Nurse, generalist or specialist in primary health care [editorial] Bentsen BG. **Scand J Prim Health Care** 1987 May;5(2):65–6

The district nurse and the district physician in health care teams. An analysis of the content of primary health care. Ejlertsson G, et al. **Scand J Prim Health Care** 1987 May; 5(2):73–8

District health care teams [editorial] Svanström L. **Scand J Prim Health Care** 1987 May;5(2):66–7

Health promotion—the new role of primary health care people [editorial] Vertio H. **Scand J Prim Health Care** 1986 Sep;4(3):129–30

Nurses, nursing and women. Morrow H. **WHO Chron** 1986; 40(6):216–21

[Teaching–service integration and primary health care] Ferreira JR. **Educ Med Salud** 1986;20(4):458–65 (Eng. Abstr.) **(Spa)**

METHODS

The Functional Status Questionnaire: reliability and validity when used in primary care [published erratum appears in J Gen Intern Med 1986 Nov–Dec;1(6):427] Jette AM, et al. **J Gen Intern Med** 1986 May–Jun;1(3):143–9

Early home oral rehydration therapy (ORT) in primary health care. Varavithya W, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:137–44

Flexible sigmoidoscopy in the primary care setting. Gardner HJ. **Primary Care** 1986 Sep;13(3):543–7

Why health improves: defining the issues concerning 'comprehensive primary health care' and 'selective primary health care'. Rifkin SB, et al. **Soc Sci Med** 1986;23(6):559–66

A comprehensive approach to primary health care [letter] Van Balen H. **Soc Sci Med** 1987;24(11):987

ORGANIZATION & ADMINISTRATION

Into the Sudan. Burgess HA. **Am J Nurs** 1987 Jul;87(7):927–9

Educating physicians and treating patients in the ambulatory setting. Where are we going and how will we know when we arrive? Brook RH, et al. **Ann Intern Med** 1987 Sep; 107(3):392–8

Physician training outside the hospital: who pays for the future? Goodson JD. **Ann Intern Med** 1987 Sep; 107(3):415–7

Care for patients with HIV infection and AIDS. Adler MW. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):27–30

Reflections on primary care. Thirst for new wine: responses to "Agenda for discussion".Butler JR. **Br Med J [Clin Res]** 1987 Apr 25;294(6579):1066–8

Primary care in the inner cities [editorial] Butler JR. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1519–20

A primary health care project in the Amazonian jungle of northern Peru. Hewett NC, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):805–7

Inner city care. Hull R. **Br Med J [Clin Res]** 1987 May 2; 294(6580):1139–40

ABC of 1 to 7 (revised). Services for children: primary care. Peter L, et al. **Br Med J [Clin Res]** 1987 Apr 4; 294(6576):884–6

A new health region for London? [letter] Thould AK. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):181–2

Attitudes of doctors to the Alma Ata recommendations in Sri Lanka. Varnam MA. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1281–2

The Better Health Commission's Report to the Federal Government, "Looking Forward to Better Health". Another view of Volume one. Salmond G. **Community Health Stud** 1986;10(4):397–9

Satellite clinics for elder health care. Foster BE, et al. **Geriatr Nurs (New York)** 1987 Jul–Aug;8(4):188–9

Primary health care in the United Kingdom. Fry J, et al. **Int J Health Serv** 1986;16(4):485–95

Use of the innovative decision-making process in primary health care. Tolley M. **Int Nurs Rev** 1987 Jan–Feb; 34(1):12–4

Gatekeepers in primary care [letter] Easman TM. **J Fam Pract** 1987 Jun;24(6):574

Population-based family practice: the next challenge of primary care. Nutting PA. **J Fam Pract** 1987 Jan;24(1):83–8

Primary care in academic health centers [letter] Schwartz FN. **J Fam Pract** 1987 Mar;24(3):236, 238

Primary care programs for the indigent. Conn JK. **J Fla Med Assoc** 1987 Feb;74(2):120–4

Measuring change in primary care [editorial] Delbanco TL. **J Gen Intern Med** 1987 Jan–Feb;2(1):64–5

Hospital-based group practice: does it change clinic patterns of care? Fein OT, et al. **J Gen Intern Med** 1987 Jan–Feb; 2(1):11–9

Studying and teaching the gatekeeper [editorial] Powe NR, et al. **J Gen Intern Med** 1986 May–Jun;1(3):197–8

The complexities of managed care: operating a voluntary system. Prottas JM, et al. **J Health Polit Policy Law** 1987 Summer;12(2):253–69

The teaching of preventive medicine. The role of the primary health care team. Fowler G. **J R Soc Med** 1986 Nov; 79(11):633–6

Primary health care in developing countries: overcoming operational, technical, and social barriers. Chen LC. **Lancet** 1986 Nov 29;2(8518):1260–5

Introducing training in primary health care programme management into the curriculum. Abdel Rahim IM, et al. **Med Educ** 1987 Jul;21(4):288–92

Health for all and primary health care in Europe. Hellberg H. **Public Health** 1987 May;101(3):151–7

An expanded social work role in a university hospital–based group practice: service provider, physician educator and organizational consultant. Clarke SS, et al. **Soc Work Health Care** 1986 Summer;11(4):1–17

The flying doctor service and primary health care in East Africa. Wood M. **Trans Med Soc Lond** 1984–85;101:40–7

Primary health: handle with care. Hill PS, et al. **Trop Doct** 1987 Jan;17(1):41–5

Primary care physician satisfaction with case management. Davidson RC, et al. **West J Med** 1986 Aug;145(2):251–3

[Presentation of a local health information system in Kinshasa, Zaire. The Kinshasa Health for All Project] **Ann Soc Belg Med Trop** 1986 Sep;66(3):265–81 (Eng. Abstr.) **(Fre)**

[Does selective intervention affect other areas of primary health care? Evaluation of a vaccination program in Somali refugee camps] Cadotsch AF. **Soz Praventivmed** 1986; 31(6):302–7 (Eng. Abstr.) **(Ger)**

[Round table: Scientific bases of outpatient pediatric practice in primary care] **An Esp Pediatr** 1986 Oct;25 Suppl 26:15–33 **(Spa)**

[Outpatient pediatrics in the province of Torrelavega] Revuelta J, et al. **An Esp Pediatr** 1986 Oct;25 Suppl 26:17–20 **(Spa)**

[The hospital in the service of primary care] Curiel Herrero J, et al. **Rev Sanid Hig Publica (Madr)** 1986 Nov–Dec; 60(11–12):1119–30 (Eng. Abstr.) **(Spa)**

[Primary care in mental health] Lima BR. **Salud Publica Mex** 1986 Jul–Aug;28(4):354–60 (Eng. Abstr.) **(Spa)**

STANDARDS

Evaluation of standards of practice for primary care physicians using 12 hypothetical cases. Lawler FH, et al. **J Fam Pract** 1987 Apr;24(4):377–83

Lumbar spine films in primary care: current use and effects of selective ordering criteria. Deyo RA, et al. **J Gen Intern Med** 1986 Jan–Feb;1(1):20–5

Leads from the MMWR. Demonstration to improve care practices for diabetic patients in primary care centers—Florida. **JAMA** 1987 Mar 27;257(12):1580–1

Select committee report on primary health care [editorial] **Lancet** 1987 May 9;1(8541):1069–71

Measuring physician behavior. Gerbert B, et al. **Med Care** 1986 Sep;24(9):838–47

Demonstration to improve care practices for diabetic patients in primary care centers—Florida. **MMWR** 1987 Mar 6; 36(8):105–7

Clinical experience during family medicine residency training. Parkerson GR Jr, et al. **South Med J** 1987 Jul; 80(7):895–900

[Trends of 2 indicators of the effect of primary care in Colombia] Bustamante Alvarez R, et al. **Bol Of Sanit Panam** 1987 Feb;102(2):159–67 (Eng. Abstr.) **(Spa)**

TRENDS

Pediatricians and primary care pediatrics [letter] Kashani IA. **Am J Dis Child** 1987 Jun;141(6):598–9

Geriatric practice. Taking up where primary care leaves off. Hamerman D, et al. **Am J Med** 1987 Mar;82(3):525–8

The Better Health Commission's Final Report to the Federal Government, "Looking Forward to Better Health". Volume 1: The Commission's major findings and recommendations. Webster IW. **Community Health Stud** 1986;10(4):393–6

Planning a continuum of residential/service settings for the chronically mentally ill: the Colorado experience. Shern DL, et al. **Community Ment Health J** 1986 Fall; 22(3):190–202

Primary care epidemiology: new uses of old tools. Mullan F, et al. **Fam Med** 1986 Jul–Aug;18(4):221–5

Future directions in geriatric primary care. Groth B. **Geriatrics** 1987 Aug;42(8):89–92

Teams for tomorrow—towards a new primary care system. Brooks D. **J R Coll Gen Pract** 1986 Jun;36(287):285–6

Towards 2000 [editorial] Hasler JC. **J R Coll Gen Pract** 1986 Jun;36(287):243–4, 246

Continuity and change in medical care for young adults with disabilities. Parker G, et al. **J R Coll Physicians Lond** 1987 Apr;21(2):129–33

The changing climate of medical practice [letter] **N Engl J Med** 1987 Aug 13;317(7):455–7

Initiating change in primary care, the Vännäs Project. Its realization and evaluation. Westman G, et al. **Scand J Prim Health Care** 1987 Feb;5(1):27–34

Is primary health care progressing in Europe? Salmela RK. **Scand J Soc Med** 1987;15(3):117–22

Utilization of inpatient and emergency care: effects of changes in primary care system. Westman G, et al. **Scand J Soc Med** 1987;15(2):105–9

Primary health care in the Philippines: banking on the barangays? Phillips DR. **Soc Sci Med** 1986;23(10):1105–17

Territorial justice and primary health care: an example from London. Powell MA. **Soc Sci Med** 1986;23(10):1093–103

Primary care—does it have a future? [editorial] Watts MS. **West J Med** 1987 May;146(5):613

Springboard for action for health for all. Mahler H. **WHO Chron** 1986;40(3):109–15

["Continuity". Progress of a team in today's psychiatry] Quartier F. **Ann Med Psychol (Paris)** 1986 Nov; 144(9):931–40 (Eng. Abstr.) **(Fre)**

[Demand derived from primary care (letter)] Louro González A. **Med Clin (Barc)** 1986 Nov 15;87(16):693–4 **(Spa)**

UTILIZATION

Use of ambulatory care resources by Medicare-age patients in a primary care group practice. Charles G, et al. **J Am Geriatr Soc** 1987 Jun;35(6):489–95

Health services use by children enrolled in a hospital-based primary care clinic: a longitudinal perspective. Fosarelli PD, et al. **Pediatrics** 1987 Feb;79(2):196–202

Urinary tract infection in primary health care in northern Sweden. I. Epidemiology. Ferry S, et al. **Scand J Prim Health Care** 1987 May;5(2):123–8

Why we seek treatment here: retail pharmacy and clinical practice in Maiduguri, Nigeria. Igun UA. **Soc Sci Med** 1987; 24(8):689–95

[The neuropsychiatry service in current primary care: an investigation including critical results] Tizón JL, et al. **Rev Sanid Hig Publica (Madr)** 1986 May–Jun; 60(5–6):463–97 (Eng. Abstr.) **(Spa)**

[The neuropsychiatry service in current primary care: an investigation including critical results (II)] Tizón JL, et al. **Rev Sanid Hig Publica (Madr)** 1986 Jul–Aug; 60(7–8):711–44 (Eng. Abstr.) **(Spa)**

PRIMARY NURSING CARE

Evolution of a format for physical assessment rounds in a primary care program. Johnson R, et al. **J Nurs Educ** 1983 Nov;22(9):383–5

ORGANIZATION & ADMINISTRATION

Nursing unit changes from team to total patient care. Heslin K. **Dimens Health Serv** 1987 Apr;64(3):27–9

Job satisfaction and organizational change in a maternity hospital. Metcalf CA. **Int J Nurs Stud** 1986;23(4):285–98

STANDARDS

The effect of primary nursing on nursing quality assurance. Culpepper RC, et al. **J Nurs Adm** 1986 Nov;16(11):24–31

PRIMARY PREVENTION

Preventable childhood deaths in Wolverhampton. Moore A. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):656–8

National strategies for health promotion. Epp J. **Can J Public Health** 1986 Jul–Aug;77(4):243–52 **(Eng, Fre)**

Perspectives for the primary prevention of coronary heart disease. Epstein FH, et al. **Cardiology** 1987;74(4):316–31

Drink-driving: the role of structural measures in primary prevention. Casswell S. **Community Health Stud** 1986; 10(3):317–22

Prevention of disability. Couch M. **Community Health Stud** 1986;10(4):415–6

Primary prevention of diabetes mellitus. Tuomilehto J, et al. **Diabetes Care** 1987 Mar–Apr;10(2):238–48 (135 ref.)

'Interruptible aging': a new way of thinking about geriatric care. Thompson MK. **Geriatrics** 1987 May;42(5):91, 94–5

An intervention study of tobacco chewing and smoking habits for primary prevention of oral cancer among 12,212 Indian villagers. Gupta PC, et al. **IARC Sci Publ** 1986; (74):307–18

Health policy implications of health promotion and disease prevention for allied health. Curry RH. **J Allied Health** 1986 Nov;15(4):339–47

Practice implications of health promotion and disease prevention in allied health. Douglas PD. **J Allied Health** 1986 Nov;15(4):323–7

Health education: a tool for preventive care in allied health. Hamburg MV. **J Allied Health** 1986 Nov;15(4):305–8

Health promotion and disease prevention for the disabled. Hodges A. **J Allied Health** 1986 Nov;15(4):315–7

Special implications for special populations: the elderly, the disabled, and the ethnic minorities. Selker L. **J Allied Health** 1986 Nov;15(4):310–4

America's health care revolution: health promotion and disease prevention. Califano JA Jr. **J Am Diet Assoc** 1987 Apr;87(4):437–40

Health promotion and disease prevention beliefs and behaviors of dietetic practitioners. Martin JB, et al. **J Am Diet Assoc** 1987 May;87(5):609–14

Primary prevention of gastrointestinal diseases. Katz LA, et al. **J Clin Gastroenterol** 1987 Feb;9(1):12–22 (180 ref.)

Effect of a clerkship on students' attitudes toward practice problems and preventive care. Linn BS, et al. **J Med Educ** 1987 May;62(5):408–17

Screening by family practice and internal medicine residents and the effect of an intervention program. Wayland MT, et al. **J Med Educ** 1987 Jun;62(6):519–22

The Minnesota Plan for Nonsmoking and Health: the legislative experience. Shultz JM, et al. **J Public Health Policy** 1986 Autumn;7(3):300–13

The Heart Healthy Vermonter Program. Thompson EB, et al. **J Public Health Policy** 1987 Spring;8(1):36–43

Reducing infant mortality: difficult decisions. Lorenz RP. **Mich Med** 1987 Jun;86(6):370–1

Adult preventive health screening: 1987 update. Lindberg SC. **Nurse Pract** 1987 May;12(5):19–22, 25–30, 32, passim

The 1985 health promotion and disease prevention survey. Thornberry OT, et al. **Public Health Rep** 1986 Nov–Dec; 101(6):566–70

Sanitary education and primary prophylaxis of virus hepatitis. Dorobanţu I, et al. **Sante Publique (Bucur)** 1986 Jul–Dec; 29(3–4):161–76

Avoidable burden of illness: how much can prevention contribute to health? Gunning-Schepers LJ, et al. **Soc Sci Med** 1987;24(11):945–51

Screening in preventive care for adolescents. Braveman P, et al. **West J Med** 1987 Apr;146(4):490–3

Health locus of control and preventive health behavior. Zindler-Wernet P, et al. **West J Nurs Res** 1987 May; 9(2):160–79

[The Center for Health Promotion (Health Plex) and the triathalon research laboratory (Labman) in Memphis] Novák J. **Cas Lek Cesk** 1987 May 4;126(18):566–7 **(Cze)**

[Problems of prevention in the work of the general physician from the aspect of the general importance of preventive health care] Masner V. **Cesk Zdrav** 1986 Dec;34(12):515–9 (Eng. Abstr.) **(Cze)**

[Traveling and returning home healthy] **Ned Tijdschr Geneeskd** 1987 May 9;131(19):793–4 **(Dut)**

[Preventive medical examination in the aged; pros and cons] Frederiks CM. **Tijdschr Gerontol Geriatr** 1986 Oct; 17(5):205–8 (Eng. Abstr.) **(Dut)**

[Possibilities for prevention in the aged in primary health care] Huygen FJ. **Tijdschr Gerontol Geriatr** 1986 Oct; 17(5):201–4 (Eng. Abstr.) **(Dut)**

[Is health education of any benefit?] Aro A. **Duodecim** 1986; 102(16):1104–8 **(Fin)**

[Methodology in health education in preventive health cures] Ecke A, et al. **Z Arztl Fortbild (Jena)** 1987;81(11):551–2 **(Ger)**

[Preventive interventions and triaxial registration of health problems in primary care] Lima BR. **Bol Of Sanit Panam** 1987 Feb;102(2):132–47 (Eng. Abstr.) **(Por)**

[Social and organizational problems of primary prevention in dentistry and the means for their resolution] Leont'ev VK. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):10–4 **(Rus)**

[A comprehensive program against chronic noninfectious diseases in basic population groups. The Belec Study. III. Clinical review of patients with hypertension] Nasić M, et al. **Lijec Vjesn** 1987 Apr–May;109(4–5):130–7 (Eng. Abstr.) **(Scr)**

[World Health Day, 7 April 1986. With a healthy life—everyone wins] Nepokojčicki A. **Med Pregl** 1986; 39(3–4):101–4 **(Scr)**

ECONOMICS

Underwriting medical failures [editorial] Valente CM, et al. **Am J Med** 1987 Jan;82(1):106

Preventive care: do we practice what we preach? Lurie N, et al. **Am J Public Health** 1987 Jul;77(7):801–4

EDUCATION

Curricular implications of health promotion and disease prevention in allied health education. Bunker JF, et al. **J Allied Health** 1986 Nov;15(4):329–37

METHODS

A plan to prevent adolescent pregnancy and reduce infant mortality. Apte DV. **Public Health Rep** 1987 Jan–Feb; 102(1):80–6

[Role of risk factors in the primary prevention of oncologic diseases] Albina IIa. **Sov Zdravookhr** 1987;(7):30–1 **(Rus)**

TRENDS

Alaska state hepatitis B program—past, present and future. Tower EA. **Alaska Med** 1987 Jan–Mar;29(1):1–8

The future of allied health in the health promotion/disease prevention movement. Willis CR. **J Allied Health** 1986 Nov;15(4):349–55

[Primary prevention of gastrointestinal diseases in children in rural locales] Borodachev SM, et al. **Sov Zdravookhr** 1987;(2):13–6 **(Rus)**

PRIMATES

Environmental enrichment for laboratory primates. Line SW. **J Am Vet Med Assoc** 1987 Apr 1;190(7):854–9

Primate behaviour and the origins of war. Reynolds V. **Med War** 1987 Apr–Jun;3(2):111–6

Reproductive and developmental toxicology in nonhuman primates. Hendrickx AG, et al. **Prog Clin Biol Res** 1987; 235:73–88

The integration of dominance and social bonding in primates. de Waal FB. **Q Rev Biol** 1986 Dec;61(4):459–79 (109 ref.)

Zoonoses acquired from pet primates. Renquist DM, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):219–40 (232 ref.)

[Gestural forms of communication in primates. II. The relation of gestures to acoustic signals and tool activities in primate phylogeny] Grigor'eva OM, et al. **Biol Nauki** 1987;(3):56–60 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Amygdalohippocampal and amygdalocortical projections in the primate brain. Amaral DG. **Adv Exp Med Biol** 1986; 203:3–17

Relationship between the mandibular condyle and the occlusal plane during hominid evolution: some of its effects on jaw mechanics. Osborn JW. **Am J Phys Anthropol** 1987 Jun;73(2):193–207

Stride length and its determinants in humans, early hominids, primates, and mammals. Reynolds TR. **Am J Phys Anthropol** 1987 Jan;72(1):101–15

A volumetric comparison of the vestibular nuclei in primates. Matano S. **Folia Primatol (Basel)** 1986;47(4):189–203

Comparative aspects of the primate posterior cingulate cortex. Armstrong E, et al. **J Comp Neurol** 1986 Nov 22; 253(4):539–48

Quantitative cytoarchitectonics of the posterior cingulate cortex in primates. Zilles K, et al. **J Comp Neurol** 1986 Nov 22;253(4):514–24

BLOOD

Polymorphism of the vitamin D binding protein (DBP) among primates: an evolutionary analysis. Constans J, et al. **Am J Phys Anthropol** 1987 Jul;73(3):365–77

Monoclonal anti-LWab and anti-D reagents recognize a number of different epitopes. Use of red cells of non-human primates. Shaw MA. **J Immunogenet** 1986 Oct–Dec; 13(5–6):377–86

Differences of superoxide production in blood leukocytes stimulated with thymol between human and non-human primates. Suzuki Y, et al. **Life Sci** 1987 Sep 28; 41(13):1659–64

GENETICS

Inversions in evolution of man and closely related species. Dutrillaux B, et al. **Ann Genet (Paris)** 1986;29(3):195–202 (19 ref.)

Primate evolution of a dispersed human repetitive DNA sequence. Funderburk SJ, et al. **Chromosoma** 1987; 95(2):148–53

The primate alpha-globin gene family: a paradigm of the fluid genome. Marks J, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:499–508

Repetitive human DNA sequences. Sawada I, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:471–7

Patterns of integration of exogenous DNA sequences transfected into mammalian cells of primate and rodent origin. Colbère-Garapin F, et al. **Gene** 1986;50(1–3):279–88

Fragile sites, chromosome evolution, and human neoplasia. Miró R, et al. **Hum Genet** 1987 Apr;75(4):345–9

Comparison of proto oncogene expression in seven primate fibroblast cultures. Nakamura KD, et al. **Mech Ageing Dev** 1987 Jul;39(2):177–87

Evidence that the recently discovered theta 1-globin gene is functional in higher primates. Shaw JP, et al. **Nature** 1987 Apr 16–22;326(6114):717–20

The L1 family (KpnI family) sequence near the 3' end of human beta-globin gene may have been derived from an active L1 sequence. Fujita A, et al. **Nucleic Acids Res** 1987 May 26;15(10):4007–20

Molecular evidence on the ape subfamily homininae. Goodman M. **Prog Clin Biol Res** 1986;218:121–32

Stochastic errors in DNA evolution and molecular phylogeny. Nei M. **Prog Clin Biol Res** 1986;218:133–47

Genetic significance of some common primate models in biomedical research. Stone WH, et al. **Prog Clin Biol Res** 1987;229:73–93

[Human chromosomes: a phylogenetic testament] Jotterand-Bellomo M. **Rev Med Suisse Romande** 1987 Jul; 107(7):567–75 **(Fre)**

IMMUNOLOGY

Hominoid evolution based on the structures of immunoglobulin epsilon and alpha genes. Ueda S, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:429–32

Evolutionary relationship between the natural anti-Gal antibody and the Gal alpha 1——3Gal epitope in primates. Galili U, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1369–73

METABOLISM

Ecological significance of hypometabolism in nonhuman primates: allometry, adaptation, and deviant diets. Kurland JA, et al. **Am J Phys Anthropol** 1986 Dec;71(4):445–57

Comparative study of primates' transcortin: immunoreactivity and steroid-binding activity. Sueda K, et al. **Endocrinol Jpn** 1986 Apr;33(2):143–50

MICROBIOLOGY

Biohazards associated with natural and experimental diseases of nonhuman primates. Papers presented at a seminar. Baltimore, MD, November 5, 1985. **J Med Primatol** 1987; 16(2):51–138

Biosafety in acquired immunodeficiency syndrome (AIDS) studies using nonhuman primates. Broderson JR. **J Med Primatol** 1987;16(2):131–8

B virus, Herpesvirus simiae: historical perspective. Palmer AE. **J Med Primatol** 1987;16(2):99–130

Selected biohazards of naturally infected nonhuman primates. Renquist DM. **J Med Primatol** 1987;16(2):91–7

Basic considerations in assessing and preventing occupational infections in personnel working with nonhuman primates. Richardson JH. **J Med Primatol** 1987;16(2):83–9

Genomic heterogeneity among human and nonhuman strains of hepatitis A virus. Lemon SM, et al. **J Virol** 1987 Mar; 61(3):735–42

The causes of false-positives encountered during the screening of old-world primates for antibodies to human and simian retroviruses by ELISA. Pedersen NC, et al. **J Virol Methods** 1986 Nov;14(3–4):213–28

AIDS and non-human primates [letter] Humphreys P. **Vet Rec** 1987 Mar 7;120(10):238

Instability of v-src sequences in nonhuman primate tumors cultured in vitro. Marczynska B, et al. **Virology** 1987 Jul; 159(1):154–7

PHYSIOLOGY

Dental function and diet in the Carpolestidae (Primates, Plesiadapiformes). Biknevicius AR. **Am J Phys Anthropol** 1986 Oct;71(2):157–71

An overview of biohazards associated with nonhuman primates. Muchmore E. **J Med Primatol** 1987;16(2):55–82 (82 ref.)

A common mammalian plan of accessory optic system organization revealed in all primates. Cooper HM, et al. **Nature** 1986 Dec 4–10;324(6096):457–9

Biodynamic response of subhuman primates to vibration. Slonim AR. **Physiologist** 1987 Feb;30(1 Suppl):S19–22

Social relationships and social cognition in nonhuman primates. Cheney D, et al. **Science** 1986 Dec 12; 234(4782):1361–6 (56 ref.)

[The color spatial vision of primates] Bertulis AV, et al. **Usp Fiziol Nauk** 1987 Jan–Mar;18(1):3–22 (46 ref.) **(Rus)**

[Physiological analysis of the relation between the conditioned reflex and image memory in monkeys and preschool children] Firsov LA, et al. **Zh Evol Biokhim Fiziol** 1987 May–Jun;23(3):396–8 (Eng. Abstr.) **(Rus)**

SURGERY

Anterior cervical microsurgical approach for exposure of the pituitary and infundibulum in primates: technical note. Rosenblum BR, et al. **Neurosurgery** 1987 Jun;20(6):900–3

PRIMIDONE

ADMINISTRATION & DOSAGE

Increased seizure frequency with generic primidone. Wyllie E, et al. **JAMA** 1987 Sep 4;258(9):1216–7

ADVERSE EFFECTS

Dermatitis associated with the use of primidone in a dog. Henricks PM. **J Am Vet Med Assoc** 1987 Jul 15; 191(2):237–8

[Treatment of osteomalacia caused by anticonvulsants with a derivative of vitamin D (case report)] Wilczek H, et al. **Sb Lek** 1986 Dec;88(12):365–8 (Eng. Abstr.) **(Cze)**

BLOOD

Sensitive analytical method for serum primidone and its active metabolites for single-dose pharmacokinetic analysis in human subjects. Sato J, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):3049–52

Rapid and sensitive determination of ethotoin as well as carbamazepine, phenobarbital, phenytoin and primidone in human serum. Inotsume N, et al. **J Chromatogr** 1986 Nov 28;383(1):166–71

PHARMACODYNAMICS

Effect of chronic primidone treatment on folate-dependent one-carbon metabolism in the rat. Carl GF, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2139–44

Chronic treatment of rats with primidone causes depletion of pteroylpentaglutamates in liver. Carl GF, et al. **J Nutr** 1987 May;117(5):970–5

THERAPEUTIC USE

Primidone and propranolol in essential tremor: a study based on quantitative tremor recording and plasma anticonvulsant levels. Dietrichson P, et al. **Acta Neurol Scand** 1987 May; 75(5):332–40

Adjuvant therapy of parkinsonian tremor. Koller WC, et al. **Arch Neurol** 1987 Sep;44(9):921–3

Primidone-carbamazepine interaction: clinical consequences. Benetello P, et al. **Int J Clin Pharmacol Res** 1987;7(2):165–8

Duration of effectiveness of primidone in essential tremor [letter] Crystal HA. **Neurology** 1986 Nov;36(11):1543

Treatment of essential tremor with Sertan. Tárczy M, et al. **Ther Hung** 1984;32(3):112–6

[Primidone in the treatment of long Q-T syndrome. Clinical analysis of 4 cases] Lan YW. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec; 14(6):330–2, 380 (Eng. Abstr.) **(Chi)**

TOXICITY

Effect of primidone in somatic and germ cells of mice. Rao KP, et al. **Toxicol Lett** 1986 Dec;34(2-3):149-52

PRIMITIVE GUT see GASTRULA

PRIMITIVE STREAK see GASTRULA

PRINDOLOL see PINDOLOL

PRINTING

Solvent effects on workers in the paint, adhesive and printing industries. Winchester RV, et al. **Ann Occup Hyg** 1986; 30(3):307-17

A register-epidemiology study on cancer among Swedish printing industry workers. Malker HS, et al. **Arch Environ Health** 1987 Mar-Apr;42(2):73-82

Acceptance of abstracts--a rebuttal [letter] Chesney RW, et al. **N Engl J Med** 1987 May 14;316(20):1279

A simple way to improve the chances for acceptance of your scientific paper [letter] Koren G. **N Engl J Med** 1986 Nov 13;315(20):1298

[Toxic encephalopathy and sperm quality among flexoprinters] Bonde JP, et al. **Ugeskr Laeger** 1987 Feb 9; 149(7):469-71 (Eng. Abstr.) **(Dan)**

PRINZMETAL'S ANGINA see ANGINA PECTORIS, VARIANT

PRIONS

Prions causing degenerative neurological diseases. Prusiner SB. **Annu Rev Med** 1987;38:381-98 (95 ref.)

Developmental expression of prion protein gene in brain. McKinley MP, et al. **Dev Biol** 1987 May;121(1):105-10

Prions causing nervous system degeneration. Prusiner SB, et al. **Lab Invest** 1987 Apr;56(4):349-63 (161 ref.)

Agents causing non-A non-B hepatitis: could one be a prion? Kingdon HS. **Med Hypotheses** 1987 Mar;22(3):329-33

Biogenesis and transmembrane orientation of the cellular isoform of the scrapie prion protein [published errratum appears in Mol Cell Biol 1987 May;7(5):2035] Hay B, et al. **Mol Cell Biol** 1987 Feb;7(2):914-20

ANALYSIS

Prion diseases and central nervous system degeneration. Prusiner SB. **Clin Res** 1987 Apr;35(3):177-91 (143 ref.)

Antisera to scrapie-associated fibril protein and prion protein decorate scrapie-associated fibrils. Merz PA, et al. **J Virol** 1987 Jan;61(1):42-9

DRUG EFFECTS

Purified scrapie prions resist inactivation by procedures that hydrolyze, modify, or shear nucleic acids. Bellinger-Kawahara C, et al. **Virology** 1987 Sep; 160(1):271-4

GENETICS

PrP and the nature of the scrapie agent. Diener TO. **Cell** 1987 Jun 19;49(6):719-21

Assignment of the human and mouse prion protein genes to homologous chromosomes. Sparkes RS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7358-62

ISOLATION & PURIFICATION

Immunoblotting of Creutzfeldt-Jakob disease prion proteins: host species-specific epitopes. Bockman JM, et al. **Ann Neurol** 1987 Jun;21(6):589-95

Prions--infectious pathogens causing the spongiform encephalopathies. Prusiner SB, et al. **CRC Crit Rev Clin Neurobiol** 1985;1(3):181-200 (110 ref.)

Prion-protein immunoreactivity in human transmissible dementias [letter] Roberts GW, et al. **N Engl J Med** 1986 Nov 6;315(19):1231-3

[Virion or prion? Second thoughts on the physicochemical structure of the infective agent in scrapie] Liberski PP. **Neurol Neurochir Pol** 1986 Jul-Aug;20(4):354-9 (30 ref.) **(Pol)**

[Autocatalytic nature of "slow virus infections"]Bocharov AL, et al. **Mol Biol (Mosk)** 1986 Nov-Dec;20(6):1665-71 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

[Prions, Jakob-Creutzfeldt disease and human growth hormone] González PM. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Sep-Oct; 41(5):207-9 **(Por)**

PHYSIOLOGY

On the biology of prions. Prusiner SB, et al. **Acta Neuropathol (Berl)** 1987;72(4):299-314 (147 ref.)

Prions are novel infectious pathogens causing scrapie and Creutzfeldt-Jakob disease. Prusiner SB. **Bioessays** 1986 Dec;5(6):281-6 (77 ref.)

Congophilia in cerebral amyloidosis is modified by inactivation procedures on slow transmissible pathogens. Tashima T, et al. **Brain Res** 1986 Dec 3;399(1):80-6

RADIATION EFFECTS

Purified scrapie prions resist inactivation by UV irradiation. Bellinger-Kawahara C, et al. **J Virol** 1987 Jan;61(1):159-66

PRISONERS

Jail suicides by hanging. An epidemiological review and recommendations for prevention. Jordan FB, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):27-31

Who says prisoners have a right to health care? Cushing M. **Am J Nurs** 1986 Dec;86(12):1333-4

Forty-year follow-up of United States prisoners of war. Kluznik JC, et al. **Am J Psychiatry** 1986 Nov; 143(11):1443-6

Prisoners as medical patients. Krupp LB, et al. **Am J Public Health** 1987 Jul;77(7):859-60

Self-induced subcutaneous air mimicking a gas-forming infection. Mackersie RC. **Ann Emerg Med** 1986 Nov; 15(11):1357-9

Doctors and torture: a tortuous issue. Gilmore A. **Can Med Assoc J** 1986 Dec 1;135(11):1305-8

Washington State screening of prison inmates [letter] Hutton MD. **Chest** 1987 Mar;91(3):470-1

Electrodiagnostic findings of persisting polyneuropathies due to previous nutritional deficiency in former prisoners of war. Hong CZ. **Electromyogr Clin Neurophysiol** 1986 Aug-Sep;26(5-6):351-63

Prison health care: problems and alternatives in delivery of health care to the incarcerated--Part II. Moore JM. **J Fla Med Assoc** 1986 Aug;73(8):615-20

Heavy marijuana use and crime among youths entering a juvenile detention center. Dembo R, et al. **J Psychoactive Drugs** 1987 Jan-Mar;19(1):47-56

Tuberculosis and the acquired immunodeficiency syndrome in prisoners [letter] Braun MM, et al. **JAMA** 1987 Mar 20;257(11):1471-2

Prevalence and incidence of HTLV-III infection in a prison [letter] Kelley PW, et al. **JAMA** 1986 Oct 24-31; 256(16):2198-9

Dr Wendy Orr and the health of detainees in South Africa [letter] Retief FP. **JAMA** 1987 Jun 12;257(22):3066-9

Government's response on prison medical service [editorial] **Lancet** 1987 Apr 4;1(8536):783-4

Saliva testosterone and criminal violence in young adult prison inmates. Dabbs JM Jr, et al. **Psychosom Med** 1987 Mar-Apr;49(2):174-82

[AIDS and hepatitis B in the prison population: an unavoidable epidemiologic reality] Bénézech M, et al. **Bull Acad Natl Med (Paris)** 1987 Feb;171(2):215-8 (Eng. Abstr.) **(Fre)**

[High prevalence of infection by hepatitis B virus and HIV in incarcerated French drug addicts] Espinoza P, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):288-92 (Eng. Abstr.) **(Fre)**

[Hospital for prisoners of war in Cracow and Silesia] Mianowska A. **Przegl Lek** 1987;44(1):150-4 **(Pol)**

[Health care for prisoners in occupied Lvov] Miecznikowski A. **Przegl Lek** 1987;44(1):148-50 **(Pol)**

[Widows of prisoners in concentration camps. Psychological and social studies] Ryn Z, et al. **Przegl Lek** 1987;44(1):14-34 **(Pol)**

[Sero-epidemiological study of the penal institutions of eastern Andalusia] Maroto Vela MC, et al. **An R Acad Nac Med (Madr)** 1986;103(2):217-33 **(Spa)**

PSYCHOLOGY

An analysis of context and alcohol consumption in a group of criminal events. Myers T. **Alcohol Alcohol** 1986; 21(4):389-95

Posttraumatic stress disorder in Japanese prisoners of war [letter] Burges Watson IP. **Am J Psychiatry** 1987 Aug; 144(8):1110-1

Survivors of imprisonment in the Pacific theater during World War II. Goldstein G, et al. **Am J Psychiatry** 1987 Sep;144(9):1210-3

After the terrorist incident: psychotherapeutic treatment of former hostages. Simon RI, et al. **Am J Psychother** 1987 Apr;41(2):194-200

Australian prisoners of war of the Japanese: post-war psychiatric hospitalisation and psychological morbidity. Tennant C, et al. **Aust NZ J Psychiatry** 1986 Sep; 20(3):334-40

Optimizing staff performance in an institutional behavior change system. A pilot study. Andrasik F, et al. **Behav Modif** 1977 Apr;1(2):235-48

Attitudes toward behavior modification. A comparison of prison, criminal justice, and other undergraduate populations. Boivin MJ, et al. **Behav Modif** 1986 Oct; 10(4):435-56

Prison parenting: a challenge for children's advocates. Bauhofer V. **Child Today** 1987 Jan-Feb;16(1):15-6

Forgotten warriors: an evaluation of the emotional well-being of presently incarcerated Vietnam veterans. Boivin MJ. **Genet Soc Gen Psychol Monogr** 1987 Feb; 113(1):109-25

Prevalence of speech and hearing disorders in a state penitentiary population. Belenchia TA, et al. **J Commun Disord** 1983 Jul;16(4):279-85

Communicative disorders in a group of adult female offenders. Wagner CO, et al. **J Commun Disord** 1983 Jul; 16(4):269-77

Mental health and corrections: towards a working partnership. Harmon RB. **J Forensic Sci** 1987 Jan; 32(1):233-41

Models of mental health service delivery to correctional institutions. Maier GJ, et al. **J Forensic Sci** 1987 Jan; 32(1):225-32

The relationship of court clinics to correctional mental health services: opportunities for cooperation and potential sources of conflict. Rosner R. **J Forensic Sci** 1987 Jan; 32(1):217-20

Prison psychiatry and professional responsibility. Smith CE. **J Forensic Sci** 1987 May;32(3):717-24

Rehabilitation of delinquents: the tale of an experience. Turns DM, et al. **J Forensic Sci** 1977 Jan;22(1):231-9

Precursors of depression in World War II veterans 40 years after the war. Dent OF, et al. **J Nerv Ment Dis** 1987 Aug; 175(8):486-90

Coping and recovery styles in the Vietnam era prisoner of war. Ursano RJ, et al. **J Nerv Ment Dis** 1986 Dec; 174(12):707-14

Expecting in prison: preparing for birth under conditions of stress. Fogel CI, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Nov-Dec;15(6):454-8

Screening for psychopathology in groups of black and white prison inmates by means of the MMPI. Walters GD. **J Pers Assess** 1986 Summer;50(2):257-64

Family parameters of violent prisoners. Shoham SG, et al. **J Soc Psychol** 1987 Feb;127(1):83-91

Family parameters of violent prisoners. Shoham SG, et al. **Med Law** 1987;6(2):151-7

Therapeutic work with drug addicts in prison. Silfen P, et al. **Med Law** 1986;5(6):503-13

The psychiatric problems of life sentence prisoners. Taylor P. **Med Leg J** 1986;54 (Pt 4):203-18

Geophysical variables and behavior: XLII. Lack of relationship between moon phase and incidents of disruptive behavior in inmates with psychiatric problems. Little GL, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1212

Clinical psychiatric illness in prisoners of war of the Japanese: forty years after release. Tennant C, et al. **Psychol Med** 1986 Nov;16(4):833-9

Cognitive patterns of two types of aggressive felons. Flesch RG, et al. **Psychol Rep** 1986 Dec;59(3):1260-2

One-day dropouts from correctional drug treatment. II. Little GL, et al. **Psychol Rep** 1987 Apr;60(2):454

A pilot study assessing type A behavior in violence-prone inmates. Schell BH, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):371-82

Suicides in the Nazi concentration camps. Ryn Z. **Suicide Life Threat Behav** 1986 Winter;16(4):419-33

[Violence and medicine] Endtz LJ. **Ned Tijdschr Geneeskd** 1986 Aug 23;130(34):1529-30 **(Dut)**

[Application of D.S.M. III to prison psychiatry: apropos of 100 diagnostic evaluations] Rager P, et al. **Ann Med Psychol (Paris)** 1986 Jan;144(1):94-102 (Eng. Abstr.) **(Fre)**

[The K-Z syndrome (concentration camp syndrome) in prisoners of the Miranda de Ebro concentration camp] Ryn Z. **Przegl Lek** 1987;44(1):34-44 **(Pol)**

[Intellectual efficiency of alcohol-dependent persons kept in detention] Sławińska JB. **Psychiatr Pol** 1986 Jul-Aug; 20(4):282-7 (Eng. Abstr.) **(Pol)**

[Intellectual efficiency of alcohol-dependent adolescents and adults kept in detention] Sławińska JB. **Psychiatr Pol** 1986 Jul-Aug;20(4):288-93 (Eng. Abstr.) **(Pol)**

[Psychopathology of the so-called reactive personality syndrome of prisoners] Zigo L, et al. **Cesk Psychiatr** 1986 Aug;82(3-4):185-8 (Eng. Abstr.) **(Slo)**

PRISONER'S DILEMMA see GAME THEORY

PRISONS

Jail suicides by hanging. An epidemiological review and recommendations for prevention. Jordan FB, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):27-31

Family environment, adjustment, and coping among children of Holocaust survivors: a comparative investigation. Rose SL, et al. **Am J Orthopsychiatry** 1987 Jul;57(3):332-44

Psychiatric treatment in goal [letter] Ellard J. **Aust NZ J Psychiatry** 1986 Jun;20(2):244

Hepatitis B in prisons. Bader TF. **Biomed Pharmacother** 1986; 40(7):248-51

Health promotion in prisons: an adjunct to the pill parade. Gallagher EM, et al. **Can J Public Health** 1987 Mar-Apr; 78(2):95-7

The war sailor and KZ syndromes. Two closely related syndromes from a symptomatology point of view. Sjaastad O. **Funct Neurol** 1986 Jan-Mar;1(1):5-19

Suicide. The concentration camp and the survivors. Lester D. **Isr J Psychiatry Relat Sci** 1986;23(3):221-3

Health services in prisons. Novick LF. **J Community Health** 1987 Spring;12(1):1-3

Identification of health care problems in a county jail. Shapiro S, et al. **J Community Health** 1987 Spring; 12(1):23-30

Prison health services: a utilization study. Sheps SB, et al. **J Community Health** 1987 Spring;12(1):4-22

Policy implications of private sector involvement in correctional services and programs. Johnson TA. **J Forensic Sci** 1987 Jan;32(1):221-4

Legal and ethical duties of health care professionals to incarcerated children. Costello JC, et al. **J Leg Med (Chicago)** 1987 Jun;8(2):191–263

Faculty practice in a prison setting: implications for teaching. Hall CA, et al. **J Nurs Educ** 1986 Sep;25(7):306

The stay 'n out therapeutic community: prison treatment for substance abusers. Wexler HK, et al. **J Psychoactive Drugs** 1986 Jul–Sep;18(3):221–30

Mothers and babies in prison. Elton PJ. **Lancet** 1987 Aug 29;2(8557):501–2

Makeshift medicine. Combating disease in Japanese prison camps. Duncan IL. **Med J Aust** 1983 Jan 8;1(1):29–32

A female bail hostel. O'Connor A. **Med Sci Law** 1987 Apr; 27(2):136–40

Children in detention [editorial] Lee NC. **S Afr Med J** 1987 Jun 20;71(12):745

[Health services in Danish prisons] Andersen O, et al. **Ugeskr Laeger** 1987 Jun 15;149(25):1701–4 (Eng. Abstr.) (Dan)

[AIDS in prison] Franc I. **Beitr Gerichtl Med** 1986;44:51–4 (Eng. Abstr.) (Ger)

[From the National Socialist time] Bourgeon M. **Prax Kinderpsychol Kinderpsychiatr** 1986 Aug–Sep; 35(6):222–8 (Eng. Abstr.) (Ger)

[Sequelae of Nazi persecution in Jewish descendants of survivors in West Germany] Grünberg K. **Psyche (Stuttg)** 1987 Jun;41(6):492–507 (Eng. Abstr.) (Ger)

[Seroepidemiologic case finding in HTLV III infection, lues and HBV in a prison] Borroni G, et al. **Boll Ist Sieroter Milan** 1986;65(6):487–93 (Eng. Abstr.) (Ita)

[Antipsychotherapy and antipedagogy: models of totalitarian sociotechnics] Godorowski K. **Minerva Psichiatr** 1986 Oct–Dec;27(4):345–50 (Eng. Abstr.) (Ita)

[25th issue dedicated to the medical problems during the occupation under Hitler. On the 42d anniversary of the liberation of the Auschwitz–Birkenau concentration camp] **Przegl Lek** 1987;44(1):1–255 (Pol)

[Sero–epidemiological study of the penal institutions of eastern Andalusia] Maroto Vela MC, et al. **An R Acad Nac Med (Madr)** 1986;103(2):217–33 (Spa)

[Prevalence of human immunodeficiency virus antibodies in inmates and officials of penitentiaries (letter)] Velardo A, et al. **Rev Clin Esp** 1987 Mar;180(4):224–5 (Spa)

HISTORY

Suicides in the Nazi concentration camps. Ryn Z. **Suicide Life Threat Behav** 1986 Winter;16(4):419–33

[25th issue dedicated to the medical problems during the occupation under Hitler. Introduction] **Przegl Lek** 1987; 44(1):3–13 (Pol)

[Under the pressure of hopelessness in the concentration camp] Chylińska M. **Przegl Lek** 1987;44(1):174–86 (Pol)

[At the hospitals of Ravensbrück and Sachsenhausen concentration subcamps] Ciosińska I. **Przegl Lek** 1987; 44(1):154–74 (Pol)

[Problem of interpretation of Auschwitz factography] Gawalewicz A. **Przegl Lek** 1987;44(1):95–102 (Pol)

[Invalids at the Stutthof concentration camp] Jezierska ME. **Przegl Lek** 1987;44(1):116–25 (Pol)

[The Auschwitz vocabulary (G). A model] Kłodziński S, et al. **Przegl Lek** 1987;44(1):44–67 (Pol)

[Medical subjects appearing in 1986 Polish publications during the German occupation] Masłowski J. **Przegl Lek** 1987;44(1):212–27 (Pol)

[Contents of the preceding issues of Przeglad Lekarski (Medical Review) devoted to medical problems during the occupation under Hitler] Masłowski J. **Przegl Lek** 1987; 44(1):228–52 (Pol)

[From the correspondence on the Auschwitz issue of Przeglad Lekarsi (IX)] Masłowski J. **Przegl Lek** 1987; 44(1):199–211 (Pol)

[The K–Z syndrome (concentration camp syndrome) in prisoners of the Miranda de Ebro concentration camp] Ryn Z. **Przegl Lek** 1987;44(1):34–44 (Pol)

[Widows of prisoners in concentration camps. Psychological and social studies] Ryn Z, et al. **Przegl Lek** 1987;44(1):14–34 (Pol)

[The physician and mass murderer Joachim Mrugowsky] Sterkowicz S. **Przegl Lek** 1987;44(1):126–31 (Pol)

[Quarantine of male prisoners in Birkenau] Strzelecka I. **Przegl Lek** 1987;44(1):102–16 (Pol)

["Tabun" war gas and the Dyhernfurth subcamp]Witkowski J, et al. **Przegl Lek** 1987;44(1):131–42 (Pol)

[Escapes from concentration camps] Witkowski J. **Przegl Lek** 1987;44(1):142–7 (Pol)

STANDARDS

Children in places of detention. A code for their handling. **S Afr Med J** 1987 Jun 20;Suppl 1:1–8

PRISTINAMYCINS see **VIRGINIAMYCINS**

PRIVACY ACT see **CIVIL RIGHTS**

PRIVATE PRACTICE

Training for life after residency [letter] Cash R. **Am J Dis Child** 1987 Jan;141(1):12

Use of serum drug concentrations in a private outpatient clinic. Kildoo CW, et al. **Am J Hosp Pharm** 1987 Jun; 44(6):1410–1

Who still prefers aggressive surgery for breast cancer? Implications for the clinical applications of clinical trials. Deber RB, et al. **Arch Intern Med** 1987 Sep;147(9):1543–7

A survey of private dental practitioners' utilization of dental sealants in Washington state. Faine RC, et al. **ASDC J Dent Child** 1986 Sep–Oct;53(5):337–42

Knowledge about systemic fluoride supplements among pediatric dentistry faculty and practitioners. Levy SM, et al. **ASDC J Dent Child** 1987 Mar–Apr;54(2):101–5

The impact of diagnostic tests on the management of ambulatory cardiac patients. Jelinek M. **Aust Clin Rev** 1986 Sep;6(22):142–5

The private sector: salvation or parasite? Studd J. **Br J Hosp Med** 1986 Sep;36(3):216–7

The availability of reproductive health services from U.S. private physicians. Orr MT, et al. **Fam Plann Perspect** 1985 Mar–Apr;17(2):63–9

Lessons from America? Commercialization and growth of private medicine in Britain. Rayner G. **Int J Health Serv** 1987;17(2):197–216

Computerized records in clinical cardiology. Lesser MF. **J Am Coll Cardiol** 1986 Oct;8(4):941–8

Clinical experience of medical students in model family practices and private family practices. Parkerson GR Jr, et al. **J Fam Pract** 1986 Oct;23(4):361–6

Nurse–midwifery practice and undergraduate nursing education: a unique model. Heaphy KH. **J Nurse Midwifery** 1987 Mar–Apr;32(2):98–100

Physicians, beware! [editorial] Hunter WH. **J SC Med Assoc** 1987 Mar;83(3):130–1

The town–gown syndrome [editorial] Petersdorf RG. **JAMA** 1987 May 8;257(18):2478–9

Evaluation of panoramic dental radiographs taken in private practice. Brezden NA, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):617–21

Seeing adolescent patients in private practice. Buchta RM. **Primary Care** 1987 Mar;14(1):49–56

Developing a practice. Samuel M. **Vet Rec** 1987 Apr 4; 120(14):317–9

[Prospective study of the work of the practising pediatrician] Largo RH, et al. **Helv Paediatr Acta [Suppl]** 1986 Dec; 51:1–73 (Eng. Abstr.) (Ger)

[Ambulatory clinics and private specialist care] Backe B. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):669–72 (Eng. Abstr.) (Nor)

ECONOMICS

Gestational diabetes screening in a private, midwestern American population. Dietrich ML, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1403–8

Putting a price tag on your practice. Helling T, et al. **Minn Med** 1987 Jun;70(6):326–7

The changing climate of medical practice. What future for primary care private practice? Berrien R. **N Engl J Med** 1987 Feb 5;316(6):334–7

Nancy Dirubbo: fighting for the rights of NPs in private practice. Pearson LJ. **Nurse Pract** 1986 Sep;11(9):52, 57–62

Sickness subsidies [letter] Booth B. **NZ Med J** 1986 Dec 10; 99(815):959–60

MANPOWER

Academic and private practice: competition, concession and conciliation [editorial] Schreiber MH. **AJR** 1987 May; 148(5):1027–8

ORGANIZATION & ADMINISTRATION

Prescription for private practice. Diamond CB. **Bull NY Acad Med** 1987 May;63(4):368–75

Incorporating ophthalmic pharmaceuticals into your practice. Townsend WW. **J Am Optom Assoc** 1987 May;58(5):426–30

Georgia Health Network. More than an HMO. Clark SW. **J Med Assoc Ga** 1987 Apr;76(4):251–3

Telephone dissatisfaction in pediatric practice: Denver and Baltimore. Fosarelli P, et al. **Pediatrics** 1987 Jul;80(1):28–31

[Report of a visit to Palo Alto] Castier P. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1321–2 (Fre)

TRENDS

The Pediatric Residency Program of the Future. II. Tomorrow's private pediatric practice: a change in roles [editorial] Kappy MS. **Am J Dis Child** 1987 Oct; 141(10):1045–6

Should your children become doctors? Beck LC. **Conn Med** 1987 Jan;51(1):38–9

Rejecting interference in your private practice. Jordan PA. **J La State Med Soc** 1986 Sep;138(9):5–6

Beyond equity: Swedish health policy and the private sector. Rosenthal MM. **Milbank Q** 1986;64(4):592–621

What about 'private practice'? [editorial] Watts MS. **West J Med** 1987 Feb;146(2):223

UTILIZATION

The provision of sterilization services by private physicians [published erratum appears in Fam Plann Perspect 1986 Jan–Feb;18(1):26] Orr MT, et al. **Fam Plann Perspect** 1985 Sep–Oct;17(5):216–20

PRIVILEGED COMMUNICATION see **CONFIDENTIALITY**

PRO PROFESSIONAL REVIEW ORGANIZATIONS see **PROFESSIONAL REVIEW ORGANIZATIONS**

PROACCELERIN see **FACTOR V**

PROACTIVE INHIBITION see under **INHIBITION (PSYCHOLOGY)**

PROADIFEN

Defining the active site of cytochrome P–450: the crystal and molecular structure of an inhibitor, SKF–525A. Rossi M, et al. **Carcinogenesis** 1987 Jul;8(7):881–7

ANALOGS & DERIVATIVES

Reaction of [3H]meproadifen mustard with membrane–bound Torpedo acetylcholine receptor. Dreyer EB, et al. **J Biol Chem** 1986 Oct 15;261(29):13727–34

Prostacyclin–stimulating drugs: new prospects. Boeynaems JM, et al. **Prostaglandins** 1986 Jul;32(1):145–9

PHARMACODYNAMICS

Stimulation of vascular prostacyclin by SKF 525–A (proadifen) and related compounds. Boeynaems JM, et al. **Biochem Pharmacol** 1987 May 15;36(10):1637–43

Effects of administration of metabolic inducers and inhibitors on pulmonary toxicity and covalent binding by 1,1–dichloroethylene in CD–1 mice. Forkert PG, et al. **Exp Mol Pathol** 1986 Aug;45(1):44–58

Effects of pretreatment with SKF–525A or sodium phenobarbital on thiabendazole–induced teratogenicity in ICR mice. Ogata A, et al. **Food Chem Toxicol** 1987 Feb; 25(2):119–24

Investigation of the antimuscarinic and other actions of proadifen in–vitro. Choo LK, et al. **J Pharm Pharmacol** 1986 Dec;38(12):898–901

The effect of proadifen on the metabolism of adinazolam. Sethy VH, et al. **J Pharm Pharmacol** 1986 Aug;38(8):631–2

Effect of co–administration of interferon inducer, polyriboinosinic acid–polyribocytidylic acid, with SKF 525–A on hepatic drug metabolizing enzymes of rats. Matsunaga T, et al. **J Pharmacobiodyn** 1986 Aug; 9(8):638–44

SKF 525A displaces drugs from serum alpha 1–acid glycoprotein binding sites. Belpaire FM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):628–30

Prostacyclin–stimulating drugs: new prospects. Boeynaems JM, et al. **Prostaglandins** 1986 Jul;32(1):145–9

TOXICITY

Effect of SKF525–A on the glutathione–conjugating enzyme system and on liver toxicity. Fromowicz P, et al. **Toxicol Lett** 1987 May;36(3):275–80

PROALBUMIN see **PREALBUMIN**

PROBABILITY

Risk, especially risk of traffic accident. Haight FA. **Accid Anal Prev** 1986 Oct;18(5):359–66

Predictive value derived from likelihood ratios: a superior technic to interpret quantitative laboratory results. Lacher DA. **Am J Clin Pathol** 1987 May;87(5):673–6

Sample size estimation in occupational mortality studies with use of confidence interval theory. Gordon I. **Am J Epidemiol** 1987 Jan;125(1):158–62

More on paternity [letter] Steinberg AG. **Am J Hum Genet** 1987 Jul;41(1):77–8

Likelihood ratio and positive predictive value [letter] Arkin CF, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):111

Likelihood ratio vs a multivariate model [letter] Vollmer RT. **Arch Pathol Lab Med** 1987 Feb;111(2):110–1

Revising the odds. Quantifying clinical judgement. Glass RD. **Aust Fam Physician** 1987 Mar;16(3):243, 245, 248

Fractal model of ion–channel kinetics. Liebovitch LS, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):173–80

The use of Markov chains to detect subtle variation in reproductive cycling. Girard DM, et al. **Biometrics** 1987 Mar;43(1):225–34

Genetic risk, risk perception, and decision making. Proceedings of a conference. July 28–29, 1986, Leuven, Belgium. **Birth Defects** 1987;23(2):1–333

Bayesian analysis of DNA haplotype associations in beta thalassaemia and applications to prenatal diagnosis [letter] Lin HJ, et al. **Br J Haematol** 1987 May;66(1):146–8

Predictors of low back pain disability. Frymoyer JW, et al. **Clin Orthop** 1987 Aug;(221):89–98

A stochastic analysis of iliac trabecular bone dynamics. Reeve J. **Clin Orthop** 1986 Dec;(213):264–78

Projection from previous studies: a Bayesian and frequentist compromise. Brown BW, et al. **Controlled Clin Trials** 1987 Mar;8(1):29–44

Stochastic description of sodium channel gating. Poledna J. **Gen Physiol Biophys** 1986 Apr;5(2):159–71

A log–linear model for binary pedigree data. Hopper JL, et al. **Genet Epidemiol** 1986;Suppl 1:73–82

Imaging, screening, artificial intelligence, and the diagnostic dilemma: an epidemiologist's response. Lane JC. **Henry Ford Hosp Med J** 1986;34(2):144–6

An autopsy of the clinical reasoning process. Sonnenberg FA, et al. **Hosp Pract [Off]** 1986 Dec 15;21(12):45–9, 53, 56

Separating hysteria from hazard. Berry CL. **Hum Pathol** 1987 May;18(5):421–3

A computer–based Markov decision analysis of the management of symptomatic bifascicular block: the threshold probability for pacing. Beck JR, et al. **J Am Coll Cardiol** 1987 Apr;9(4):920–35

Markov processes and logrank tests [letter] Commenges D, et al. **J Chronic Dis** 1987;40(8):823–4

Large sample confidence intervals for regression standardized risks, risk ratios, and risk differences. Flanders WD, et al. **J Chronic Dis** 1987;40(7):697–704

p–value and power computations in multiple look trials. Peace KE, et al. **J Chronic Dis** 1987;40(1):23–30

Stochastic control of anti–Sm autoantibodies in MRL/Mp–lpr/lpr/lpr mice. Eisenberg RA, et al. **J Clin Invest** 1987 Sep;80(3):691–7

A probability matrix for the identification of gram–negative, aerobic, non–fermentative bacteria that grow on nutrient agar. Holmes B, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):1827–42

Computer diagnosis in jaundice. Bayes' rule founded on 1002 consecutive cases. Malchow–Møller A, et al. **J Hepatol** 1986;3(2):154–63

Kouska's fallacy: the error of the divided denominator. Lubinsky MS. **Lancet** 1986 Dec 20–27;2(8521–22):1449–50

Graphic and tabular expressions of Bayes' theorem. Benish WA. **Med Decis Making** 1987 Apr–Jun;7(2):104–6

An evaluation of clinicians' subjective prior probability estimates. Dolan JG, et al. **Med Decis Making** 1986 Oct–Dec;6(4):216–23

The gong: a unit to measure diagnostic information? [letter] Glass RD. **Med Decis Making** 1986 Oct–Dec;6(4):253–4

Intermediate, indeterminate, and uninterpretable diagnostic test results. Simel DL, et al. **Med Decis Making** 1987 Apr–Jun;7(2):107–14

How medical professionals evaluate expressions of probability [letter] **N Engl J Med** 1987 Feb 26;316(9):549–51

Treatment of some nonstationarities in the EEG. Ferber G. **Neuropsychobiology** 1987;17(1–2):100–4 (17 ref.)

Autopsy findings and syndromic diagnoses: Bayesian calculations for pediatric pathologists. Buck BE, et al. **Pediatr Pathol** 1986;6(2–3):167–71

Stochastic dominance: an approach to decision making under risk. Buckley JJ. **Risk Anal** 1986 Mar;6(1):35–41

Problems with empirical Bayes. Cooke RM. **Risk Anal** 1986 Sep;6(3):269–74

Statistical issues in the estimation of assigned shares for carcinogenesis liability. Cox LA Jr. **Risk Anal** 1987 Mar; 7(1):71–80

A method for estimating lifetime cancer risks from limited epidemiologic data. Enterline PE. **Risk Anal** 1987 Mar; 7(1):91–6

A methodology for estimating time–of–day variations in the size of a population exposed to risk. Glickman TS. **Risk Anal** 1986 Sep;6(3):317–24

Acceptance of the distinguished contribution award of the Society for Risk Analysis. Hollaender A. **Risk Anal** 1986 Jun;6(2):113–5

Improving risk communication. Keeney RL, et al. **Risk Anal** 1986 Dec;6(4):417–24

Automated risk analysis. MacGregor D. **Risk Anal** 1986 Dec; 6(4):489–90

Perceived acceptability of risk analysis as a decision–making approach. MacGregor D, et al. **Risk Anal** 1986 Jun; 6(2):245–56

An analysis of the de minimis strategy for risk management. Mumpower J. **Risk Anal** 1986 Dec;6(4):437–46

Warning systems in risk management. Paté–Cornell ME. **Risk Anal** 1986 Jun;6(2):223–34

Mixtures of toxic agents and attributable risk calculations. Seiler FA, et al. **Risk Anal** 1987 Mar;7(1):81–90

Informing and educating the public about risk. Slovic P. **Risk Anal** 1986 Dec;6(4):403–15

Time for a change. Wilson JD. **Risk Anal** 1986 Jun;6(2):111–2

What does it mean to be "rare" or "likely"? [news] Kolata G. **Science** 1986 Oct 31;234(4776):542

Health and safety risk analyses: information for better decisions. Lave LB. **Science** 1987 Apr 17;236(4799):291–5

Risk assessment in environmental policy–making. Russell M, et al. **Science** 1987 Apr 17;236(4799):286–90

Perception of risk. Slovic P. **Science** 1987 Apr 17; 236(4799):280–5

Risk assessment and comparisons: an introduction. Wilson R, et al. **Science** 1987 Apr 17;236(4799):267–70

Simulation of human hypnograms using a Markov chain model. Kemp B, et al. **Sleep** 1986;9(3):405–14

A counting process approach to the analysis of the course of non–Hodgkin's lymphoma. Mau J, et al. **Stat Med** 1986 Sep–Oct;5(5):491–5

Selection of variables using 'independence Bayes' in computer–aided diagnosis of upper gastrointestinal bleeding. Ohmann C, et al. **Stat Med** 1986 Sep–Oct; 5(5):503–15

Probabilistic prediction in patient management and clinical trials. Spiegelhalter DJ. **Stat Med** 1986 Sep–Oct;5(5):421–33

The theorem of Bayes as a clinical research tool. Edwards FH, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):127–9

The risk concept in medicine—statistical and epidemiological aspects: a case report for applied mathematics in cardiology. Pfeiffer KP, et al. **Theor Med** 1986 Oct; 7(3):259–68

Application of Bayesian forecasting to predict appropriate cyclosporine dosing regimens for renal allograft recipients. Kahan BD, et al. **Transplant Proc** 1986 Dec;18(6 Suppl 5):200–3

[Aid to the clinical and biological diagnosis of malignancy in a nodular hepatic image discovered by echography] Asselain B, et al. **Bull Cancer (Paris)** 1987;74(1):66–74 (Eng. Abstr.) **(Fre)**

[Rational choice of a diagnostic test for the detection of bone metastases in breast cancer as a function of prevalence (based on the Bayes theorem)] Robillard J, et al. **Bull Cancer (Paris)** 1987;74(1):82–7 (Eng. Abstr.) **(Fre)**

[Case studies of the use of the locally adjusted polynomial regression] Peil J, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(4):461–81 (Eng. Abstr.) **(Ger)**

[Quantification of radiation–induced genetic risk] Ehling UH. **Strahlenther Onkol** 1987 May;163(5):283–91 (Eng. Abstr.) **(Ger)**

[A procedure for determining the maximum likelihood estimate in factor analysis] Schuster E. **Z Gesamte Hyg** 1987 Apr;33(4):197–9 (Eng. Abstr.) **(Ger)**

[Language and probability. Do we understand each other?] Brun W, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30; 106(24):1967–8, 1978 (Eng. Abstr.) **(Nor)**

[Poisson equalization of multicomponent cytofluorograms] Shcherbukhin VV, et al. **Tsitologiia** 1987 Apr;29(4):497–502 (Eng. Abstr.) **(Rus)**

[Estimation of the randomness of the overlapping of cellular structures] Vasil'ev NB, et al. **Tsitologiia** 1987 Jun; 29(6):671–7 (Eng. Abstr.) **(Rus)**

[Stochastic approach in biochemical research] Sud'ina EG. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):85–94 (Eng. Abstr.) **(Rus)**

PROBABILITY LEARNING

Credible conceptions and implausible probabilities. Macdonald RR. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):15–27

Regularity, exposure time and perception of numerosity. Alam S, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):883–8

[Role of the left and right hemispheres of the human brain in the processes of probabilistic prediction] Meerson IaA. **Fiziol Cheloveka** 1986 Sep–Oct;12(5):723–31 **(Rus)**

PROBABILITY THEORY see under **OPERATIONS RESEARCH**

PROBECID see **PROBENECID**

PROBENECID

ADMINISTRATION & DOSAGE

Effects of 5,8–dideazaisopteroylglutamate (IAHQ) on L1210 leukemia in mice when given alone and in combination with methotrexate, probenecid, or verapamil. Hynes JB, et al. **Cancer Chemother Pharmacol** 1986;18(3):231–4

Drug interactions with urate excretion in man. Sommers DK, et al. **Eur J Clin Pharmacol** 1987;32(5):499–502

ADVERSE EFFECTS

Polyarticular gout induced by probenecid therapy. Patrone NA. **NC Med J** 1986 Sep;47(9):401–2

ANALYSIS

Determination of benzylpenicillin and probenecid in human body fluids by high–performance liquid chromatography. van Gulpen C, et al. **J Chromatogr** 1986 Sep 5;381(2):365–72

DIAGNOSTIC USE

Pharmacological evaluation of urate renal handling in humans: pyrazinamide test vs combined pyrazinamide and probenecid administration. Colussi G, et al. **Nephrol Dial Transplant** 1987;2(1):10–6

Evaluation of the renal mechanisms for urate homeostasis in uremic patients by probenecid and pyrazinamide test. Garyfallos A, et al. **Nephron** 1987;46(3):273–80

METABOLISM

Non–linear elimination and protein binding of probenecid. Emanuelsson BM, et al. **Eur J Clin Pharmacol** 1987; 32(4):395–401

Probenecid disposition by parallel Michaelis–Menten and dose–dependent pseudo–first–order processes. Ho JC, et al. **J Pharm Sci** 1986 Jul;75(7):664–8

Determinations of 5–hydroxyindoleacetic acid and homovanillic acid in human CSF with monitoring of probenecid levels in CSF and plasma. Emanuelsson BM, et al. **Psychopharmacology (Berlin)** 1987;92(2):144–9

PHARMACODYNAMICS

Probenecid affects chloride secretion in canine tracheal epithelium. Cloutier MM. **Am Rev Respir Dis** 1987 Jun; 135(6):1329–33

Probenecid potentiates the hyperglycaemic effect but reduces the diuretic effect of frusemide in mice. Sandström PE. **Br J Pharmacol** 1986 Oct;89(2):307–12

Effect of probenecid on disposition of cefpiramide in rat. The application of population pharmacokinetics. Yamaoka K, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):1196–200

Aspirin and probenecid pretreatment influences the potency of thiopentone and the onset of action of midazolam. Dundee JW, et al. **Eur J Anaesthesiol** 1986 May;3(3):247–51

Effect of probenecid on cerebral and cisternal cerebrospinal fluid lactate content. MacMillan V. **J Cereb Blood Flow Metab** 1987 Feb;7(1):118–23

Rapid and sensitive method for measuring norepinephrine, dopamine, 5–hydroxytryptamine and their major metabolites in rat brain by high–performance liquid chromatography. Differential effect of probenecid, haloperidol and yohimbine on the concentrations of biogenic amines and metabolites in various regions of rat brain. Kim C, et al. **J Chromatogr** 1987 Jan 16;386:25–35

Probenecid inhibition of the renal excretion of dyphylline in chicken, rat and man. Acara M, et al. **J Pharm Pharmacol** 1987 Jul;39(7):526–30

Effect of probenecid on rat brain phenolsulfotransferase activity using dopamine as substrate. Kao GY, et al. **Pharmacology** 1987;34(5):259–63

The effect of probenecid on acute N–(3,5–dichlorophenyl)succinimide–induced nephrotoxicity in the Fischer 344 rat. Rankin GO, et al. **Toxicology** 1987 May;44(2):181–92

THERAPEUTIC USE

Comparative trial of single–dose ciprofloxacin and ampicillin plus probenecid for treatment of gonococcal urethritis in men. Roddy RE, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):267–9

PROBLEM SOLVING

see related
GAME THEORY

Clinical problem solving using a family systems approach. Crisona F, et al. **Ala Med** 1987 Mar;56(9):33–5

Asking the right questions: problem solving in male alcoholics and male alcoholics with Korsakoff's syndrome. Becker JT, et al. **Alcoholism (NY)** 1986 Dec;10(6):641–6

Using the componential method to train mentally retarded individuals to solve analogies. McConaghy J, et al. **Am J Ment Defic** 1987 Jul;92(1):12–23

A model for ethical problem solving in medicine, with practical applications. Hundert EM. **Am J Psychiatry** 1987 Jul;144(7):839–46

Truly incidental encoding of frequency information. Hasher L, et al. **Am J Psychol** 1987 Spring;100(1):69–91

The "insolvable problem" as a determinant in the dynamics of suicidal behavior in children. Orbach I. **Am J Psychother** 1986 Oct;40(4):511–20

Teaching clinical judgement. Tanner CA. **Annu Rev Nurs Res** 1987;5:153–73 (73 ref.)

Computer–based health promotion: combining technological advances with problem–solving techniques to effect successful health behavior changes. Gustafson DH, et al. **Annu Rev Public Health** 1987;8:387–415 (200 ref.)

Interpersonal problem–solving skills of retarded and nonretarded children. Smith DC. **Appl Res Ment Retard** 1986;7(4):431–42

Is a problem shared a problem shaved? An evaluation of hairdressers and social support. Milne D, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):69–70

Gender comparisons of preschoolers' behavior and resource utilization in group problem solving. Charlesworth WR, et al. **Child Dev** 1987 Feb;58(1):191–200

Are children's rule–assessment classifications invariant across instances of problem types? Ferretti RP, et al. **Child Dev** 1986 Dec;57(6):1419–28

Problem solving in medical education: can it be taught? Whitman N, et al. **Curr Surg** 1986 Nov–Dec;43(6):453–9 (22 ref.)

Cognitive processes in Cebus monkeys (Cebus apella) when solving problem–box tasks. Simons D, et al. **Folia Primatol (Basel)** 1986;46(3):149–63

Type A behavior, aerobic power, and cardiovascular recovery from a psychosocial stressor. Jamieson JL, et al. **Health Psychol** 1987;6(4):361–71

Inducing flexibility in cognitive rigidity. Gray JW, et al. **Int J Neurosci** 1987 Jul;35(1–2):37–41

Heart rate reactions to standard laboratory challenges and a naturalistic stressor. Turner JR, et al. **Int J Psychophysiol** 1987 Jul;5(2):151–2

Problem solving ability in aging and dementia: normative data on a non–verbal test. Allamanno N, et al. **Ital J Neurol Sci** 1987 Apr;8(2):111–9

Attention and social problem solving as correlates of aggression in preschool males. Gouze KR. **J Abnorm Child Psychol** 1987 Jun;15(2):181–97

Situational social problem–solving skills and self–esteem of aggressive and nonaggressive boys. Lochman JE, et al. **J Abnorm Child Psychol** 1986 Dec;14(4):605–17

Interpersonal problem solving and coping reactions of Vietnam veterans with posttraumatic stress disorder. Nezu AM, et al. **J Abnorm Psychol** 1987 May;96(2):155–7

An investigation into problem solving in education: a problem–solving curricular framework. Arand JU, et al. **J Allied Health** 1987 Feb;16(1):7–17

Effects of parent management training and problem–solving

skills training combined in the treatment of antisocial child behavior. Kazdin AE, et al.
J Am Acad Child Adolesc Psychiatry 1987 May; 26(3):416–24
The spontaneous interconnection of four repertoires of behavior in a pigeon (Columba livia). Epstein R.
J Comp Psychol 1987 Jun;101(2):197–201
Problem–solving skills training and relationship therapy in the treatment of antisocial child behavior. Kazdin AE, et al. **J Consult Clin Psychol** 1987 Feb;55(1):76–85
Wisconsin Card Sorting Test performance in relapsing–remitting and chronic–progressive multiple sclerosis. Rao SM, et al. **J Consult Clin Psychol** 1987 Apr; 55(2):263–5
Problem–solving skills in suicidal psychiatric patients. Schotte DE, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):49–54
Replication and extension of the Teacher Self–Control Rating Scale. Work WC, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):115–6
Individual differences in cognitive arithmetic. Geary DC, et al. **J Exp Psychol [Gen]** 1987 Jun;116(2):154–71
Characterizing attentional resources. Hirst W, et al.
J Exp Psychol [Gen] 1987 Mar;116(1):68–81
Cognitive constraints on ordering operations: the case of geometric analogies. Novick LR, et al.
J Exp Psychol [Gen] 1987 Mar;116(1):50–67
Complexity of IQ: comment on Ceci and Liker (1986). Reagan RT. **J Exp Psychol [Gen]** 1987 Sep;116(3):302–6
Everyday problems and life change events: ongoing versus acute sources of stress. Burks N, et al. **J Human Stress** 1985 Spring;11(1):27–35
Comparing the effects of problem–based and conventional curricula in an international sample. Schmidt HG, et al. **J Med Educ** 1987 Apr;62(4):305–15
Use of a medical reasoning aptitude test to help predict performance in medical school. Vu NV, et al.
J Med Educ 1987 Apr;62(4):325–35
An investigation of executive processes in the problem–solving of attention deficit disorder–hyperactive children. Hamlett KW, et al. **J Pediatr Psychol** 1987 Jun; 12(2):227–40
Positive affect facilitates creative problem solving. Isen AM, et al. **J Pers Soc Psychol** 1987 Jun;52(6):1122–31
Critical thinking and selected correlates among baccalaureate nursing students. Tiessen JB. **J Prof Nurs** 1987 Mar–Apr; 3(2):118–23
The clinical reasoning process. Barrows HS, et al.
Med Educ 1987 Mar;21(2):86–91
A taxonomy of problem–based learning methods. Barrows HS. **Med Educ** 1986 Nov;20(6):481–6
Validation of a new measure of clinical problem–solving. de Graaff E, et al. **Med Educ** 1987 May;21(3):213–8
Isomorphic patient management problems: a method of creating equivalent problem–solving tests. Fleisher DS, et al. **Med Educ** 1987 May;21(3):207–12
Content coverage in problem–based learning. Shahabudin SH. **Med Educ** 1987 Jul;21(4):310–3
Problem–based learning of psychopathology in a traditional curriculum using multiple conceptual models. West DA, et al. **Med Educ** 1987 Mar;21(2):151–6
The social origins of logic: the contributions of Piaget and Vygotsky. Forman EA, et al. **New Dir Child Dev** 1985 Sep;(29):23–39
Relation of scores on the Open Middle Test to self–control and academic achievement of inner–city fourth–grade children. Elkind MA, et al. **Percept Mot Skills** 1987 Feb; 64(1):87–93
Problem–solving approach to clinical education. Burnett CN, et al. **Phys Ther** 1986 Nov;66(11):1730–3
Some cognitive characteristics of medical students with and without diagnostic reasoning difficulties. Bordage G, et al. **Proc Annu Conf Res Med Educ** 1986;25:185–90
The influence of prior experience and confidence on physician preferences for information sources and continuity of care. Gruppen LD, et al.
Proc Annu Conf Res Med Educ 1986;25:177–82
Meta–analytic review of sex differences in group performance. Wood W. **Psychol Bull** 1987 Jul;102(1):53–71
Effects on self–actualization of paperbacks about psychological self–help. Forest JJ. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1243–6
Problem–centered psychotherapy. Frank G. **Psychol Rep** 1987 Jun;60(3 Pt 2):1167–70
Effect of noise distraction during mental arithmetic on phasic cardiovascular activity. Linden W. **Psychophysiology** 1987 May;24(3):328–33
Evaluations of causal and conditional hypotheses. O'Brien DP, et al. **Q J Exp Psychol [A]** 1986 Aug;38(3):493–512
Social skills and interpersonal problem solving skills in suicidal adolescents. Gresham FM, et al.
Semin Adolesc Med 1986 Dec;2(4):285–92
Interpersonal problem–solving deficits in self–poisoning patients. McLeavey BC, et al.
Suicide Life Threat Behav 1987 Spring;17(1):33–49
[Some determinants of persistence and performance] Försterling F, et al. **Arch Psychol (Frankf)** 1987; 139(1):37–47 (Eng. Abstr.) **(Ger)**
[Relation of intelligence and concept formation on problem solving performance: a theoretical sketch and some empirical results] Hentschel U, et al.
Arch Psychol (Frankf) 1986;138(4):287–94 (Eng. Abstr.) **(Ger)**
[Problems and coping with problems by tumor patients in inpatient after care] Herschbach P, et al.
Psychother Psychosom Med Psychol 1987 Jun;37(6):185–92 (Eng. Abstr.) **(Ger)**
[Additive–related measurement of perceived surface size: an experimental procedure for solving test problems] Lukas J. **Z Exp Angew Psychol** 1987;34(3):416–30 (Eng. Abstr.) **(Ger)**
[Sinus arrhythmia as an indicator of mental stress: quantification by time] Manzey D.
Z Exp Angew Psychol 1986;33(4):656–75 (Eng. Abstr.) **(Ger)**
[Effect of time of day related mood changes on psychological performance] Steck P, et al.
Z Klin Psychol Psychopathol Psychother 1986;34(2):119–26 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effects of nicotine upon memory and problem solving performance. Dunne MP, et al. **Physiol Behav** 1986; 37(6):849–54
Mescaline action on "memory decay" and "problem solving" behavior in the rat. Molinengo L, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1986; 10(6):709–15
[Effect of amizil and the ACTH4–10 fragment on the ability of mice to extrapolate the direction of movement] Voznesenskaia VV, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):293–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Spatial problem solving in a dual runway task by normal and septal rats. Herrmann T, et al. **Behav Neurosci** 1985 Aug;99(4):631–7
Pace variation and control of work pace as related to cardiovascular, neuroendocrine, and subjective responses. Bohlin G, et al. **Biol Psychol** 1986 Dec;23(3):247–63
Arithmetic skills in patients with unilateral cerebral lesions. Jackson M, et al. **Cortex** 1986 Dec;22(4):611–20
The effects of level of difficulty of mental arithmetic challenge on heart rate and oxygen consumption. Carroll D, et al. **Int J Psychophysiol** 1986 Nov;4(3):167–73
Subtraction in addition to addition: dual task performance improves when tasks are presented to separate hemispheres. Liederman J. **J Clin Exp Neuropsychol** 1986 Oct; 8(5):486–502
Temporal and inter–task consistency of heart rate reactivity during active psychological challenge: a twin study. Turner JR, et al. **Physiol Behav** 1986;38(5):641–4
[Electrophysiologic parameters for objectifying the processes of behavioral regulation in psychophysiology] Haschke W, et al. **Z Psychol** 1986;194(3):331–41 (Eng. Abstr.) **(Ger)**
[Systemic and regional hemodynamics during intense mental work (in a stressful setting)] Fedorov BM, et al.
Vestn Akad Med Nauk SSSR 1987;(6):41–6 (Eng. Abstr.) **(Rus)**
[Age and the structural organization of the EEG of children and adolescents in different functional states of the brain] Gasanov GG, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb; 37(1):38–45 (Eng. Abstr.) **(Rus)**
[Solution of visuo–spatial tasks during masking] Miamlin VV, et al. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec;36(6):1021–7 (Eng. Abstr.) **(Rus)**
[Food search by mice solving an extrapolation problem after suppression of smell by zinc sulfate] Poletaeva II.
Zh Vyssh Nerv Deiat 1986 Jul–Aug;36(4):680–5 (Eng. Abstr.) **(Rus)**
[Response asymmetry during mental loading in man] Rusalova MN, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun; 37(3):550–2 **(Rus)**

PROBUCOL see under **PHENOLS**

PROCAINAMIDE

ADMINISTRATION & DOSAGE

Amiodarone versus amiodarone and a type IA agent for treatment of patients with rapid ventricular tachycardia. Marchlinski FE, et al. **Circulation** 1986 Nov;74(5):1037–43
Effects of incremental doses of procainamide on ventricular refractoriness, intraventricular conduction, and induction of ventricular tachycardia. Morady F, et al. **Circulation** 1986 Dec;74(6):1355–64

ADVERSE EFFECTS

Procainamide, N–acetylprocainamide, antinuclear antibody and systemic lupus erythematosus. Reidenberg MM, et al. **Angiology** 1986 Dec;37(12 Pt 2):968–71
Pure red cell aplasia associated with administration of sustained–release procainamide. Giannone L, et al.
Arch Intern Med 1987 Jun;147(6):1179–80
Autoantigenic histone epitopes: a comparison between procainamide– and hydralazine–induced lupus. Craft JE, et al. **Arthritis Rheum** 1987 Jan;30(6):689–94
Procainamide–induced lupus with vasculitis [letter] Jackson C, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):290–2
Procainamide–induced myasthenia–like syndrome [letter] Oh SJ, et al. **Muscle Nerve** 1986 Sep;9(7):670–2
Procainamide–induced incessant supraventricular tachycardia in the Wolff–Parkinson–White syndrome. Eldar M, et al. **PACE** 1986 Sep;9(5):652–9
Agranulocytosis secondary to extended–release procainamide: a case report and review of the literature. A case of agranulocytosis caused by procainamide in a patient who had undergone open–heart surgery. Malters PB, et al. **SD J Med** 1987 Feb;40(2):7–10
Severe neutropenia due to sustained–release procainamide. Hoyt RE. **South Med J** 1987 Sep;80(9):1196–7
[Systemic lupus erythematosus diagnosed after 12 years' treatment with procainamide (letter)] Harlé JR, et al.
Ann Med Interne (Paris) 1986;137(7):599–601 **(Fre)**
[Three cases of torsades de pointes due to anti–arrhythmic agents] Yasuda M, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1262–6 **(Jpn)**

ANALOGS & DERIVATIVES

Effects of intravenous N–acetylprocainamide on hemodynamics and left ventricular function in man. Josephson MA, et al. **Am Heart J** 1987 Apr;113(4):952–7
Pharmacokinetics of N–acetylprocainamide. Atkinson AJ Jr, et al. **Angiology** 1986 Dec;37(12 Pt 2):959–67
Hemodynamic effects of N–acetylprocainamide in man: comparison with other antiarrhythmic drugs. Josephson MA, et al. **Angiology** 1986 Dec;37(12 Pt 2):950–8
The inotropic actions of N–acetylprocainamide: blockade and reversal by propranolol. Lertora JJ, et al. **Angiology** 1986 Dec;37(12 Pt 2):939–49
Procainamide, N–acetylprocainamide, antinuclear antibody and systemic lupus erythematosus. Reidenberg MM, et al. **Angiology** 1986 Dec;37(12 Pt 2):968–71
Arrhythmia control by selective lengthening of cardiac repolarization: role of N–acetylprocainamide, active metabolite of procainamide. Singh BN, et al. **Angiology** 1986 Dec;37(12 Pt 2):930–8
N–acetylprocainamide's antiarrhythmic action in patients with ventricular tachycardia. Somberg J, et al.
Angiology 1986 Dec;37(12 Pt 2):972–81
Hemoperfusion for N–acetylprocainamide intoxication [letter] Borkan SC. **Ann Intern Med** 1986 Dec;105(6):965–6
Removal of toxic levels of N–acetylprocainamide with continuous arteriovenous hemofiltration or continuous arteriovenous hemodiafiltration. Domoto DT, et al.
Ann Intern Med 1987 Apr;106(4):550–2
N–acetylprocainamide toxicity [letter] Mitnick PD.
Ann Intern Med 1987 Sep;107(3):424–5
Effect kinetics of N–acetylprocainamide–induced QT interval prolongation. Piergies AA, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):107–12
The formation of procainamide hydroxylamine by rat and human liver microsomes. Budinsky RA, et al.
Drug Metab Dispos 1987 Jan–Feb;15(1):37–43
Effects of N–acetylprocainamide on experimental atrial flutter and atrial electrophysiologic properties in conscious dogs with sterile pericarditis: comparison with the effects of quinidine. Okumura K, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1332–8
Simultaneous determination of procainamide and N–acetylprocainamide in serum by gas chromatography with nitrogen–selective detection. Yamaji A, et al.
J Chromatogr 1987 Mar 20;415(1):143–7
Effect of acute renal failure on the disposition and elimination of [3H]N–acetyl procainamide ethobromide in the rat. Silberstein DJ, et al. **J Pharm Pharmacol** 1986 Sep; 38(9):679–85
[A case of torsade de pointes induced by N–acetyl procainamide] Fujii T, et al. **Kokyu To Junkan** 1987 Feb; 35(2):197–201 (Eng. Abstr.) **(Jpn)**

BLOOD

Simultaneous determination of procainamide and N–acetylprocainamide in serum by gas chromatography with nitrogen–selective detection. Yamaji A, et al.
J Chromatogr 1987 Mar 20;415(1):143–7
Procainamide pharmacokinetics in patients on continuous ambulatory peritoneal dialysis. Raehl CL, et al.
Nephron 1986;44(3):191–4

DIAGNOSTIC USE

[Comparison of the effects of ajmaline and procainamide in the diagnosis of paroxysmal atrioventricular block] Saoudi N, et al. **Ann Cardiol Angeiol (Paris)** 1987 Jan;36(1):13–7 (Eng. Abstr.) **(Fre)**
[Pharmacological tests in the diagnosis of heart diseases] Skorobogatyĭ AM. **Vrach Delo** 1986 Aug;(8):26–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Immunohistochemical localization of procainamide in normal, ischemic, and necrotic canine myocardium during acute experimental myocardial infarction. Siegel RJ, et al.
Am Heart J 1987 Jun;113(6):1383–9
Pharmacokinetics of procainamide hydrochloride in dogs. Papich MG, et al. **Am J Vet Res** 1986 Nov;47(11):2351–8
Food–induced gastric retention and absorption of sustained–release procainamide. Rocci ML Jr, et al.
Clin Pharmacol Ther 1987 Jul;42(1):45–9
Pharmacokinetic and electrophysiologic interactions of amiodarone and procainamide. Windle J, et al.
Clin Pharmacol Ther 1987 Jun;41(6):603–10
Comparable steady–state bioavailability between two

preparations of conventional-release procainamide hydrochloride. Kasmer RJ, et al. **Drug Intell Clin Pharm** 1987 Feb;21(2):183-6

Procainamide pharmacokinetics and diuretic and fluid administration [letter] Krebs C. **J Am Coll Cardiol** 1987 Jan;9(1):247

PHARMACODYNAMICS

Plasma concentrations of complement split product C3d and immune complexes after procainamide induced production of antinuclear antibodies. Brandslund I, et al. **Acta Med Scand** 1986;220(5):431-5

The action of procainamide and quinidine on the alpha 1-receptor-operated channels in smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):233-9

Effect of procainamide on the induction of ventricular fibrillation by sequential ventricular stimulation. Murakawa Y, et al. **Jpn Circ J** 1987 Feb;51(2):203-7

[Inhibitory action of procainamide on blood platelet aggregation in rabbits and guinea pigs] Shan CW, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):63-4 (Eng. Abstr.) (Chi)

THERAPEUTIC USE

The efficacy of cibenzoline and propafenone against inducible sustained and nonsustained ventricular tachycardias in conscious dogs with isolated chronic right ventricular infarction: a comparative study with procainamide. Karagueuzian HS, et al. **Am Heart J** 1986 Dec; 112(6):1173-83

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine. Klein RC, et al. **Am Heart J** 1987 Sep;114(3):551-8

Beta blockers in combination with class I antiarrhythmic agents. Deedwania PC, et al. **Am J Cardiol** 1987 Aug 31; 60(6):21D-26D

Procainamide and disopyramide. Ribeiro C, et al. **Eur Heart J** 1987 Mar;8 Suppl A:11-9 (72 ref.)

Procainamide, disopyramide and quinidine: discordant antiarrhythmic effects during crossover comparison in patients with inducible ventricular tachycardia. Wyse DG, et al. **J Am Coll Cardiol** 1987 Apr;9(4):882-9

Procainamide in the dog: antiarrhythmic plasma concentrations after intravenous administration. Papich MG, et al. **J Vet Pharmacol Ther** 1986 Dec;9(4):359-69

[Comparative evaluation of the anti-arrhythmic activity of carbamazepine, novocainamide and obzidan in ventricular extrasystole] Logosha InI, et al. **Farmakol Toksikol** 1986 Nov-Dec;49(6):71-3 (Eng. Abstr.) (Rus)

PROCAINE

Temporary paraplegia following spinal anesthesia in a patient with a spinal cord arteriovenous malformation. Warner DO, et al. **Anesthesiology** 1987 Feb;66(2):236-7

Procaine versus magnesium in cardioplegia solution. A prospective study. Vercillo AP, et al. **Conn Med** 1987 Feb; 51(2):74-6

The relative buffering power of cardioplegic solutions. Kresh JY, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):309-11

Intracellular pH measurement during cardiac arrest in ventricular myocardium by Bretschneider's cardioplegic solution HTK and St. Thomas Hospital solution with and without procaine. Heinemeyer D, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):48-52

[Peridural anesthesia with procaine and fentanyl in a parturient with acute intermittent porphyria] Joyau M, et al. **Ann Fr Anesth Reanim** 1986;5(4):453-5 (Eng. Abstr.) (Fre)

[Prolonged subpleural block after thoracic surgery] Vagner EA, et al. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):70-3 (Eng. Abstr.) (Rus)

[Local iodine-novocaine block in the treatment of interspinal ligamentoses] Selivanov VP. **Khirurgiia (Mosk)** 1986 Nov; (11):45-51 (Eng. Abstr.) (Rus)

[Novocaine block of the round ligament of the liver in treating acute pancreatitis] Borodin IF, et al. **Klin Khir** 1986;(11):49-50 (Rus)

[Novocaine block of the pelvic portion of the ureter via the lacunar ligament] Kostiuchuk NN. **Urol Nefrol (Mosk)** 1987 Jan-Feb;(1):56-8 (Rus)

[Use of trigemino-sympathetic novocaine block in the complex treatment of burns of the face] Pekarskii DE, et al. **Voen Med Zh** 1987 Apr;(4):59 (Rus)

ADMINISTRATION & DOSAGE

[Treatment of bronchial asthma with a novocaine solution] Guskaia LI. **Ter Arkh** 1987;59(3):130-2 (Rus)

[Treatment of suppurative wounds of soft tissues with colocyl and its combination with proteolytic enzymes] Kharitonov IuK, et al. **Vestn Khir** 1986 Nov;137(11):63-6 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Connubial dermatitis from a hair lotion. Dooms-Goossens A, et al. **Contact Dermatitis** 1987 Jan;16(1):41-2

[Modification of the composition of Gerovit capsules (letter)] Görgényi F. **Orv Hetil** 1987 Mar 1;128(9):495 (Eng. Abstr.) (Hun)

ANALOGS & DERIVATIVES

Comparative maternal, fetal, and neonatal effects of chloroprocaine with and without epinephrine for epidural anesthesia in obstetrics. Abboud TK, et al. **Anesth Analg** 1987 Jan;66(1):71-5

Peripheral neurotoxicity of 2-chloroprocaine and bisulfite in the cat. Ford DJ, et al. **Anesth Analg** 1987 Aug; 66(8):719-22

pH adjustment of chloroprocaine solutions [letter] Redick LF. **Anesth Analg** 1987 Mar;66(3):286

Toxicity of chloroprocaine and sodium bisulfite on human neuroblastoma cells. Seravalli E, et al. **Anesth Analg** 1987 Oct;66(10):954-8

Grand mal seizures after 2-chloroprocaine epidural anesthesia in a patient with plasma cholinesterase deficiency. Smith AR, et al. **Anesth Analg** 1987 Jul; 66(7):677-8

Effect of gravity on the spread of extradural anaesthesia for caesarean section. Norris MC, et al. **Br J Anaesth** 1987 Mar;59(3):338-41

Oxybuprocaine and five metabolites simultaneously determined in urine by gas chromatography and gas chromatography-mass spectrometry after extraction with Extrelut. Kasuya F, et al. **Clin Chem** 1987 May; 33(5):697-700

Determination of six metabolites of oxybuprocaine in urine by high-performance liquid chromatography. Kasuya F, et al. **J Chromatogr** 1987 Apr 24;416(1):189-95

Metabolism of benoxinate in humans. Kasuya F, et al. **J Pharm Sci** 1987 Apr;76(4):303-5

Bupivacaine, chloroprocaine and human uterine contractions. Abadir AR, et al. **Proc West Pharmacol Soc** 1986;29:371-3

ANALYSIS

Effect of procaine on the pH of buffered and unbuffered cardioplegic solutions. Loucas SP, et al. **Am J Hosp Pharm** 1986 Sep;43(9):2213-8

[Determination of the degradation product, p-aminobenzoic acid, in procaine hydrochloride injections] Zhang JX, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):712-5 (Eng. Abstr.) (Chi)

PHARMACODYNAMICS

Studies of local anesthetic action on natural spike activity in the aortic nerve of cats. Lipfert P, et al. **Anesthesiology** 1987 Feb;66(2):210-3

NMR investigation of the influence of procaine and its metabolites on the water exchange through human erythrocyte membranes. Morariu VV, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):73-8

Weak bases inhibit cleavage and embryogenesis in amphibians and echinoderms. Webb DJ, et al. **Cell Differ** 1987 Jan; 20(1):33-44

Effects of procaine on pharmaco-mechanical coupling mechanisms activated by acetylcholine in smooth muscle cells of porcine coronary artery. Ueno H, et al. **Circ Res** 1987 Mar;60(3):356-66

The effects of procaine, strychnine and penicillin on nociceptive neurons in leech segmental ganglia. Johansen J, et al. **Comp Biochem Physiol [C]** 1987;86(2):405-9

The stabilization of vascular smooth muscle by procaine. Kitamura K, et al. **Drugs Exp Clin Res** 1986; 12(9-10):773-84

Development of thermotolerance in CHO cells: modification by procaine. Rastogi D, et al. **Int J Hyperthermia** 1987 Jan-Feb;3(1):63-70

Differential effects of procaine and phenethyl alcohol on excision repair of DNA in u.v.-irradiated Escherichia coli. Tomiyama H, et al. **Int J Radiat Biol** 1986 Dec;50(6):973-81

Procaine has opposite effects on passive Na and K permeabilities in frog skin. Flonta ML, et al. **Pflugers Arch** 1987 Mar;408(3):215-9

Reversible disruption of lordosis via midbrain infusions of procaine and tetrodotoxin. Rothfeld JM, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):857-63

Post-ischemic renal function after kidney protection with the HTK-solution of Bretschneider. Kallerhoff M, et al. **Urol Res** 1986;14(5):271-7

Short-term perfusion and "equilibration" of canine kidneys with protective solutions. Kallerhoff M, et al. **Urol Res** 1987;15(1):5-12

[C-H3 enhanced effect of NGF on the dorsal root ganglion cells of chick embryo in culture] Zhou ZH. **Sheng Li Hsueh Pao** 1985 Dec;37(6):510-6 (Eng. Abstr.) (Chi)

[Kidney function parameters following ischemia stress using the Euro-Collins solution or the Bretschneider cardioplegic HTK solution] Kallerhoff M, et al. **Urologe [A]** 1987 Mar; 26(2):96-103 (Eng. Abstr.) (Ger)

PROCAINE AMIDE see **PROCAINAMIDE**

PROCARBAZINE

TOXICITY

Time dependence for the protective effect of androgen from procarbazine-induced damage to rat spermatogenesis. Delic JI, et al. **Cancer Res** 1987 Mar 1;47(5):1344-7

Separate mechanisms for procarbazine spermatotoxicity and anticancer activity. Horstman MG, et al. **Cancer Res** 1987 Mar 15;47(6):1547-50

Dominant lethal mutations induced in mouse spermatogonia by mechlorethamine, procarbazine and vincristine administered in 2-drug and 3-drug combinations. Goldstein LS. **Mutat Res** 1987 Jul-Aug;191(3-4):171-6

PROCESS ASSESSMENT see **OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)**

PROCETOFEN see under **PROPIONATES**

PROCHLORPERAZINE

ADMINISTRATION & DOSAGE

Compatibility of morphine sulfate injections and prochlorperazine edisylate injections [letter] Zuber DE. **Am J Hosp Pharm** 1987 Jan;44(1):67

ADVERSE EFFECTS

Limb deformities associated with prochlorperazine [letter] Rafla N. **Am J Obstet Gynecol** 1987 Jun;156(6):1557

Phenothiazine-induced oculogyric crisis. Skorin L Jr, et al. **J Am Optom Assoc** 1987 Apr;58(4):316-8

Severe parkinsonism in two AIDS patients taking prochlorperazine [letter] Edelstein H, et al. **Lancet** 1987 Aug 8;2(8554):341-2

Relation between elderly and AIDS patients with drug-induced Parkinson's disease [letter] Wilson JA, et al. **Lancet** 1987 Sep 19;2(8560):686

BLOOD

Preliminary studies of the pharmacokinetics and pharmacodynamics of prochlorperazine in healthy volunteers. Taylor WB, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):137-42

THERAPEUTIC USE

Intravenous prochlorperazine for the rapid control of nausea and vomiting in acute myocardial infarction: a clinical observation. Wasserberger J, et al. **Am J Emerg Med** 1987 Mar;5(2):153-6

Comparative effects of intravenously administered alizapride and prochlorperazine in cisplatin-induced emesis. Roché H, et al. **Cancer Invest** 1987;5(2):89-93

Nabilone versus prochlorperazine for control of cancer chemotherapy-induced emesis in children: a double-blind, crossover trial. Chan HS, et al. **Pediatrics** 1987 Jun; 79(6):946-52

PROCOLLAGEN

Chondrocalcin is identical with the C-propeptide of type II procollagen. Van der Rest M, et al. **Biochem J** 1986 Aug 1;237(3):923-5

Disulfide bonding as a determinant of the molecular composition of types I, II and III procollagen. Koivu J. **FEBS Lett** 1987 Jun 15;217(2):216-20

Identification of disulfide bonds in carboxy-terminal propeptides of human type I procollagen. Koivu J. **FEBS Lett** 1987 Feb 23;212(2):229-32

COOH-terminal propeptides of the major human procollagens. Structural, functional and genetic comparisons. Dion AS, et al. **J Mol Biol** 1987 Jan 5; 193(1):127-43

The collagens: an overview and update. Miller EJ, et al. **Methods Enzymol** 1987;144:3-41 (168 ref.)

ANALYSIS

Identification of disulphide-bonded type X procollagen polypeptides in embryonic chick chondrocyte cultures. Kwan AP, et al. **FEBS Lett** 1986 Oct 6;206(2):267-72

Ultrastructural localization of the major proteoglycan and type II procollagen in organelles and extracellular matrix of cultured chondroblasts. Iozzo RV, et al. **Histochemistry** 1986;86(2):113-22

The mast cell and signs of pulmonary fibroblast activation in sarcoidosis. Bjermer L, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):298-301

Basement membrane procollagen IV and its specialized carboxyl domain are conserved in Drosophila, mouse, and human. Blumberg B, et al. **J Biol Chem** 1987 May 5; 262(13):5947-50

A monoclonal antibody to the carboxyterminal domain of procollagen type I visualizes collagen-synthesizing fibroblasts. Detection of an altered fibroblast phenotype in lungs of patients with pulmonary fibrosis. McDonald JA, et al. **J Clin Invest** 1986 Nov;78(5):1237-44

Immunohistochemical distribution of collagens types IV, V, and VI and of pro-collagens types I and III in human alveolar bone and dentine. Becker J, et al. **J Histochem Cytochem** 1986 Nov;34(11):1417-29

[Clinical value of determining the amino terminal fragment of procollagen III in myeloproliferative disorders] Najean Y, et al. **Nouv Rev Fr Hematol** 1987;29(2):123-7 (Eng. Abstr.) (Fre)

BIOSYNTHESIS

Synthesis of collagenous proteins by pulmonary type II epithelial cells. Crouch EC, et al. **Am Rev Respir Dis** 1987

May;135(5):1118–23
Deposition and cross–linking of newly synthesized type IV procollagen in lung matrix. Crouch EC, et al. **Am Rev Respir Dis** 1987 Aug;136(2):281–7
Ascorbate can act as an inducer of the collagen pathway because most steps are tightly coupled. Schwarz RI, et al. **Ann NY Acad Sci** 1987;498:172–85
Scleredema and paraproteinemia. Enhanced collagen production and elevated type I procollagen messenger RNA level in fibroblasts grown from cultures from the fibrotic skin of a patient. Oikarinen A, et al. **Arch Dermatol** 1987 Feb;123(2):226–9
Effects of preformed proline and proline amino acid precursors (including glutamine) on collagen synthesis in human fibroblast cultures. Bellon G, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):39–47
Abnormal procollagen synthesis in fibroblasts from three patients of the same family with a severe form of osteogenesis imperfecta (type III). Bonaventure J, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):23–34
Glucocorticoids change the ratio of type III to type I procollagen extracellularly. Shull S, et al. **Coll Relat Res** 1986 Jul;6(3):295–300
Ascorbate effects on type I procollagen synthesis by human adult skin fibroblasts: different migration positions of type I procollagen chains on SDS polyacrylamide gel after incubation with ascorbate. Takehara K, et al. **Coll Relat Res** 1987 Feb;6(6):455–66
Biosynthesis of type I procollagen. Characterization of the distribution of chain sizes and extent of hydroxylation of polysome–associated pro–alpha–chains. Kirk TZ, et al. **J Biol Chem** 1987 Apr 25;262(12):5540–5
Suppression of synthesis of pro–alpha 1(I) and production of altered pro–alpha 2(I) procollagen subunits in 4–nitroquinoline–1–oxide–transformed fibroblasts. Peterkofsky B, et al. **J Biol Chem** 1986 Dec 25; 261(36):16818–26
Decreased procollagen production in cultured fibroblasts from patients with Lowe's syndrome. Palmieri MJ, et al. **J Inherited Metab Dis** 1985;8(4):187–92
Synthesis of basement membrane–specific macromolecules by cultured human microvascular endothelial cells isolated from skin of diabetic and nondiabetic subjects. Fuh GM, et al. **Microvasc Res** 1986 Nov;32(3):359–70
[Synthesis of procollagen proteins in cultured skin fibroblasts of patients with Ehlers–Danlos type I syndrome from a subisolated Azerbaijan population] Lomova TIu, et al. **Mol Gen Mikrobiol Virusol** 1986 Feb;(2):35–9 (Eng. Abstr.) **(Rus)**
[Various characteristics of the structure and synthesis of procollagens produced by cultured skin fibroblasts from patients with Danlos–Ehlers syndrome type I] Sokolov BP, et al. **Mol Gen Mikrobiol Virusol** 1987 Jan;(1):19–23 (Eng. Abstr.) **(Rus)**

BLOOD

Serum procollagen type III N–terminal peptides and laminin P1 peptide in alcoholic liver disease. Nouchi T, et al. **Alcoholism (NY)** 1987 Jun;11(3):287–91
Serum type III procollagen peptide: indicator for pulmonary fibrosis: II. Application in 80 asbestos insulation workers. Okazaki I, et al. **Am J Ind Med** 1987;11(4):439–46
An immunohistochemical and serum ELISA study of type I and III procollagen aminopropeptides in primary biliary cirrhosis. Davis BH, et al. **Am J Pathol** 1987 Aug; 128(2):265–75
Serum concentrations of laminin and aminoterminal propeptide of type III procollagen in relation to the portal venous pressure of fibrotic liver diseases. Gressner AM, et al. **Clin Chim Acta** 1986 Dec 30;161(3):249–58
Serum type III procollagen peptide as a non–invasive marker of liver damage during infancy and childhood in extrahepatic biliary atresia, idiopathic hepatitis of infancy and alpha 1 antitrypsin deficiency. Trivedi P, et al. **Clin Chim Acta** 1986 Dec 15;161(2):137–46
Is determination of serum N–terminal procollagen type III peptide (sPIIIP) a marker of hepatic fibrosis? Surrenti C, et al. **Dig Dis Sci** 1987 Jul;32(7):705–9
Collagen metabolism in normal and complicated pregnancy: changes in the aminoterminal propeptide of type III procollagen in serum. Risteli L, et al. **Eur J Clin Invest** 1987 Feb;17(1):81–6
Serum concentration of N–terminal procollagen peptide of collagen type III in schistosomal liver fibrosis. el–Mohandes M, et al. **Exp Mol Pathol** 1987 Jun; 46(3):383–90
Serum concentrations of N–terminal propeptide of type III procollagen and laminin in the outflow of fibrotic livers compared with liver–distal regions. Gressner AM, et al. **Hepatogastroenterology** 1986 Oct;33(5):191–5
Serum type III procollagen peptide concentrations in severe chronic active hepatitis: relationship to cirrhosis and disease activity. McCullough AJ, et al. **Hepatology** 1987 Jan–Feb; 7(1):49–54
Serum type III procollagen propeptide levels in acromegalic patients. Verde GG, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1406–10
Type III collagen aminopropeptide levels in serum of patients with progressive systemic scleroderma. Krieg T, et al. **J Invest Dermatol** 1986 Dec;87(6):788–91
Serial determinations of the amino–terminal peptide of type III procollagen in severe chronic active hepatitis. McCullough AJ, et al. **J Lab Clin Med** 1987 Jan; 109(1):55–61
Type 1 procollagen as a biochemical marker of growth in children with inflammatory bowel disease. Hyams JS, et al. **J Pediatr** 1986 Oct;109(4):619–24
Serum type III procollagen peptide: indicator for pulmonary fibrosis. I. A tool for early detection of pulmonary fibrosis as a complication in cancer therapy. Okazaki I, et al. **Keio J Med** 1986 Jun;35(2):107–15
Procollagen–III peptide serum levels in Paget's disease of the bone. Wilder–Smith CH, et al. **Klin Wochenschr** 1987 Feb 16;65(4):174–8
Procollagen–III–peptide and hyperthyroidism [letter] Charrie AM, et al. **Lancet** 1986 Nov 22;2(8517):1221
Serum aminoterminal procollagen type III peptide in acute viral hepatitis. A long–term follow–up study. Bentsen KD, et al. **Liver** 1987 Apr;7(2):96–105
Prolonged exercise causes an increase in the activity of galactosylhydroxylysyl glucosyltransferase and in the concentration of type III procollagen aminopropeptide in human serum. Takala TE, et al. **Pflugers Arch** 1986 Nov; 407(5):500–3

CHEMICAL SYNTHESIS

Post–transcriptional inhibition of collagen and fibronectin synthesis by a synthetic homolog of a portion of the carboxyl–terminal propeptide of human type I collagen. Aycock RS, et al. **J Biol Chem** 1986 Oct 25; 261(30):14355–60

CLASSIFICATION

Collagen gene expression in keloids: analysis of collagen metabolism and type I, III, IV, and V procollagen mRNAs in keloid tissue and keloid fibroblast cultures. Ala–Kokko L, et al. **J Invest Dermatol** 1987 Sep;89(3):238–44

DEFICIENCY

Ehlers–Danlos syndrome. A variant characterized by the deficiency of pro alpha 2 chain of type I procollagen. Sasaki T, et al. **Arch Dermatol** 1987 Jan;123(1):76–9

GENETICS

Coordinated regulation of type I and type III collagen production and mRNA levels of pro alpha 1(I) and pro alpha 2(I) collagen in cultured morphea fibroblasts. Vuorio T, et al. **Arch Dermatol Res** 1987;279(3):154–60
Procollagen gene expression by scleroderma fibroblasts in culture. Inhibition of collagen production and reduction of pro alpha 1(I) and pro alpha 1(III) collagen messenger RNA steady–state levels by retinoids. Ohta A, et al. **Arthritis Rheum** 1987 Apr;30(4):404–11
von Willebrand factor shares a distinctive cysteine–rich domain with thrombospondin and procollagen. Hunt LT, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):876–82
Transcriptional and posttranscriptional effects of dexamethasone on albumin and procollagen messenger RNAs in murine schistosomiasis. Weiner FR, et al. **Biochemistry** 1987 Mar 24;26(6):1557–62
The gene for the alpha 1(IV) chain of human type IV procollagen: the exon structures do not coincide with the two structural subdomains in the globular carboxy–terminus of the protein. Soininen R, et al. **EMBO J** 1986 Nov;5(11):2821–3
Estrogen regulation of alpha 1(I)–procollagen messenger ribonucleic acid in the rat uterus. Komm BS, et al. **Endocrinology** 1987 Apr;120(4):1403–10
Elevated pro alpha 2(I) collagen mRNA levels in cultured scleroderma fibroblasts result from an increased transcription rate of the corresponding gene. Kähäri VM, et al. **FEBS Lett** 1987 May 11;215(2):331–4
Promoter region of the human pro–alpha 1(II)–collagen gene. Nunez AM, et al. **Gene** 1986;44(1):11–6
Development of molecular hybridization technology to evaluate albumin and procollagen mRNA content in baboons and man. Weiner FR, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):19S–25S
The single copy gene coding for human alpha 1 (IV) procollagen is located at the terminal end of the long arm of chromosome 13. Boyd CD, et al. **Hum Genet** 1986 Oct; 74(2):121–5
A hepatic fibrogenic factor stimulates the synthesis of types I, III, and V procollagens in cultured cells. Choe I, et al. **J Biol Chem** 1987 Apr 15;262(11):5408–13
Increased procollagen mRNA levels in carbon tetrachloride–induced liver fibrosis in rats. Pierce RA, et al. **J Biol Chem** 1987 Feb 5;262(4):1652–8
Phenotypic plasticity of extracellular matrix gene expression in cultured hamster lung fibroblasts. Regulation of type I procollagen and fibronectin synthesis. Raghow R, et al. **J Biol Chem** 1987 Jun 15;262(17):8409–15
Regulation of types I, III, and IV procollagen mRNA synthesis in glucocorticoid–mediated intestinal development. Walsh MJ, et al. **J Biol Chem** 1987 Aug 5; 262(22):10814–8
Transforming growth factor–beta increases steady state levels of type I procollagen and fibronectin messenger RNAs posttranscriptionally in cultured human dermal fibroblasts. Raghow R, et al. **J Clin Invest** 1987 Apr;79(4):1285–8
Osteogenesis imperfecta type IV. Biochemical confirmation of genetic linkage to the pro alpha 2(I) gene of type I collagen. Wenstrup RJ, et al. **J Clin Invest** 1986 Dec; 78(6):1449–55
Mutations linked to the pro alpha 2(I) collagen gene are responsible for several cases of osteogenesis imperfecta type I. Wallis G, et al. **J Med Genet** 1986 Oct;23(5):411–6
In vitro translation of procollagen messenger RNAs. Adams SL. **Methods Enzymol** 1987;144:84–95
R–loop analysis of procollagen messenger RNA for the assessment of human collagen mutations. de Wet WJ. **Methods Enzymol** 1987;145:235–52
Relative transcription rates and mRNA levels for the two chains of type I procollagen. Olsen AS, et al. **Methods Enzymol** 1987;144:74–83
Characterization of a pro–alpha 2(I) collagen gene mutation by nuclease S1 mapping. Pihlajaniemi T, et al. **Methods Enzymol** 1987;145:213–22
Restriction fragment length polymorphisms. Tsipouras P. **Methods Enzymol** 1987;145:205–13
The pro alpha 2(V) collagen gene is evolutionarily related to the major fibrillar–forming collagens [published erratum appears in Nucleic Acids Res 1987 May 11;15(9):3946] Weil D, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):181–98
Introduction of the human pro alpha 1(I) collagen gene into pro alpha 1(I)–deficient Mov–13 mouse cells leads to formation of functional mouse–human hybrid type I collagen. Schnieke A, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):764–8

IMMUNOLOGY

Production of monoclonal antibodies recognising N–ethylmaleimide during attempted generation of monoclonal antibodies to human type I procollagen. Dawson KM, et al. **Coll Relat Res** 1987 Jun;7(2):125–34
[Establishment of mouse monoclonal antibodies against N–terminal peptide of type III procollagen and their use in a histochemical study of the human liver] Kondo H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2174–80 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Isolation and characterization of collagens and procollagens. Furuto DK, et al. **Methods Enzymol** 1987;144:41–61

METABOLISM

Type I and type III procollagen peptides during hepatic fibrogenesis. An immunohistochemical and ELISA serum study in the CCl4 rat model. Davis BH, et al. **Am J Pathol** 1987 Jan;126(1):137–47
Iron–containing metallocenes as active site directed inhibitors of the proteinase that cleaves the NH2–terminal propeptides from type I procollagen. Dombrowski KE, et al. **Biochemistry** 1986 Jul 29;25(15):4302–9
Amino and carboxyl propeptides in bone collagen fibrils during embryogenesis. Fleischmajer R, et al. **Cell Tissue Res** 1987 Jan;247(1):105–9
The A and B fragments of normal type I procollagen have a similar thermal stability to proteinase digestion but are selectively destabilized by structural mutations. Constantinou CD, et al. **Eur J Biochem** 1987 Mar 2; 163(2):247–51
Interchain disulfide bond formation in types I and II procollagen. Evidence for a protein disulfide isomerase catalyzing bond formation. Koivu J, et al. **J Biol Chem** 1987 May 5;262(13):6159–64
Biosynthesis and supramolecular assembly of procollagen IV in neonatal lung. Blumberg B, et al. **J Cell Biol** 1986 Nov; 103(5):1711–9
The carboxylpropeptide of type I procollagen in skin fibrillogenesis. Fleischmajer R, et al. **J Invest Dermatol** 1987 Aug;89(2):212–5
Procollagen III peptide in bronchoalveolar lavage fluid. A potential marker of altered collagen synthesis reflecting pulmonary disease in sarcoidosis. Bjermer L, et al. **Lab Invest** 1986 Dec;55(6):654–6
[Characteristics of intracellular metabolism of procollagen and other proteins in human embryo fibroblasts in trisomy for chromosome 7] Podobed OV, et al. **Biokhimiia** 1987 Jan;52(1):82–8 (Eng. Abstr.) **(Rus)**

URINE

Increased urine level of amino–terminal peptide derivatives of type III procollagen in patients with liver diseases. Koide N, et al. **Acta Med Okayama** 1986 Oct;40(5):243–7
[Clinical significance of urinary levels of type III procollagen peptide in patients with various liver diseases and cancer of the alimentary tract] Tsuneya Y. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2457 **(Jpn)**

PROCOLLAGEN PEPTIDASE see under **PEPTIDE PEPTIDOHYDROLASES**

PROCONVERTIN see **FACTOR VII**

PROCTITIS

COMPLICATIONS

Coeliac proctitis. Breen EG, et al. **Scand J Gastroenterol** 1987 May;22(4):471–7

[Acute paraproctitis complicated by perforation of an abscess into the abdominal cavity] Timerbulatov VM, et al. **Klin Khir** 1987;(2):52 **(Rus)**

DIAGNOSIS

Inflammatory and neoplastic diseases of the anal and perianal regions. Oh C. **Clin Dermatol** 1987 Apr-Jun;5(2):87-102 (39 ref.)

Nonspecific ulcerative proctitis. Farmer RG. **Gastroenterol Clin North Am** 1987 Mar;16(1):157-74 (53 ref.)

[Diagnosis and treatment of anaerobic paraproctitis] Rubinshteĭn LS, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):58-61 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

5-Aminosalicylic acid enema in the treatment of distal ulcerative colitis, proctosigmoiditis, and proctitis. Sutherland LR, et al. **Gastroenterology** 1987 Jun; 92(6):1894-8

[Therapeutic assay of smectite in non-specific inflammations of the rectal and colonic mucosa in children. Clinical, endoscopic and histological study] Olives JP, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):89-92 (Eng. Abstr.) **(Fre)**

[Basic results of a multiyear trial of treating rectal radiation injuries] Kholin VV, et al. **Vopr Onkol** 1987;33(6):76-80 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The management of late radiation-induced rectal injury after treatment of carcinoma of the uterus. Allen-Mersh TG, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):521-4

IMMUNOLOGY

Cytotoxic and immunoregulatory function of intestinal lymphocytes in Chlamydia trachomatis proctitis of nonhuman primates. James SP, et al. **Infect Immun** 1987 May;55(5):1137-43

MICROBIOLOGY

Experimental proctitis due to rectal infection with Chlamydia trachomatis in nonhuman primates. Quinn TC, et al. **J Infect Dis** 1986 Nov;154(5):833-41

PATHOLOGY

[Cryptosporidia in biopsies of the gastrointestinal tract] Jautzke G, et al. **Pathologe** 1986 Sep;7(5):302-3 **(Ger)**

PHYSIOPATHOLOGY

Mucosal surface pH of the large intestine of the rat and of normal and inflamed large intestine in man. McNeil NI, et al. **Gut** 1987 Jun;28(6):707-13

SURGERY

Argon laser treatment of hemorrhagic radiation proctitis. Buchi KN, et al. **Gastrointest Endosc** 1987 Feb;33(1):27-30

Current status and influence of operation on perianal Crohn's disease. Keighley MR, et al. **Int J Color Dis** 1986 Apr; 1(2):104-7

Stapled colorectal anastomoses: peroperative integrity of the anastomosis and risk of postoperative leakage. Lazorthes F, et al. **Int J Color Dis** 1986 Apr;1(2):96-8

Results of coloanal anastomosis. A prospective study. Wunderlich M, et al. **Int J Color Dis** 1986 Jul;1(3):157-61

[Surgical treatment of acute suppurative paraproctitis and abscessing pilar cyst in the sacral region] Iankov V. **Khirurgiia (Sofiia)** 1987;40(2):60-1 **(Bul)**

[The "Scalpel-1" in the surgical treatment of paraproctitis] Babaev OG, et al. **Khirurgiia (Mosk)** 1987 May;(5):69-73 (Eng. Abstr.) **(Rus)**

[Surgical treatment of acute paraproctitis] Georgadze AK, et al. **Vestn Khir** 1986 Aug;137(8):69-72 (Eng. Abstr.) **(Rus)**

THERAPY

Laser technology applications in gastroenterology [letter] Glaser D, et al. **Gastrointest Endosc** 1987 Apr;33(2):125

[Formalin treatment of severe radiation-induced hemorrhagic proctitis] Reimer E, et al. **Ugeskr Laeger** 1987 Apr 27;149(18):1194-6 (Eng. Abstr.) **(Dan)**

[Anaerobic paraproctitis] Ashurkov MG, et al. **Sov Med** 1987; (2):89-91 **(Rus)**

PROCTOCOLITIS see under **COLITIS**

PROCTOLOGY see **COLON AND RECTAL SURGERY (SPECIALTY)**

PROCTOSCOPY

[Importance of proctological examination in tropical environment. Apropos of 1000 rectoscopies performed at the Hospital of Bamako] Diallo AN, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):542-8 (Eng. Abstr.) **(Fre)**

[Endoscopic therapeutic interventions in the colorectal area] Waldmann D, et al. **Chirurg** 1987 Jun;58(6):402-8 **(Ger)**

[Feasibility of methods of outpatient preparation for proctologic examination. Comparison of phosphate and sorbit enemas in a randomized double-blind study] Kladny B, et al. **Dtsch Med Wochenschr** 1986 Nov 14; 111(46):1763-6 (Eng. Abstr.) **(Ger)**

[Development of the rectal reflex test method by electric stimulation under endoscopy] Kunie K, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1589 **(Jpn)**

[Evaluation of the usefulness and degree of utilization of proctoscopy in the diagnosis of rectal bleeding and disorders of the rhythm of bowel movements] Szymański Z, et al. **Wiad Lek** 1987 Jan 15;40(2):90-3 (Eng. Abstr.) **(Pol)**

[Use of rectoromanoscopy in polyclinics] Kharaberiush VA, et al. **Vrach Delo** 1987 Feb;(2):55-7 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Peroperative rectal washout using the irrigating proctoscope. Goodson G. **Int J Color Dis** 1987 Feb;2(1):30-1

METHODS

Depth of colorectal biopsies with proctoscopic forceps. Wytock DH, et al. **Gastrointest Endosc** 1987 Feb;33(1):15-7

PROCTOSIGMOIDOSCOPY see **SIGMOIDOSCOPY**

PROCYCLIDINE see under **PYRROLIDINES**

PRODIGIOSIN

ANALOGS & DERIVATIVES

Molecular genetics of Red biosynthesis in Streptomyces. Feitelson JS, et al. **J Nat Prod** 1986 Nov-Dec;49(6):988-94

BIOSYNTHESIS

Relationship of prodigiosin condensing enzyme activity to the biosynthesis of prodigiosin and its precursors in Serratia marcescens. Cho LK, et al. **Experientia** 1987 Apr 15; 43(4):397-9

Effect of gramicidin A and valinomycin on prodigiosin production by non-proliferating Serratia marcescens. Viñas M, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):113-5

PHARMACODYNAMICS

Selective suppression by prodigiosin of the mitogenic response of murine splenocytes. Nakamura A, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1155-9

PRODIGIOZAN see under **POLYSACCHARIDES, BACTERIAL**

PRODINE see **ALPHAPRODINE**

PRODUCT LABELING

Dangerous delays in tampon absorbency warnings [editorial] Wolfe SM. **JAMA** 1987 Aug 21;258(7):949-51

Smokers' understandings of cigarette yield labels. Chapman S, et al. **Med J Aust** 1986 Oct 20;145(8):376-9

STANDARDS

Revised OSHA labeling standard draws fire from paint industry. Sims DL. **Occup Health Saf** 1986 Nov; 55(11):31-2, 35

Using federal standards to determine adequacy of consumer product's precautionary labeling. Hurst R. **Vet Hum Toxicol** 1986 Dec;28(6):557-62

PRODUCT LABELING, DRUG see **DRUG LABELING**

PRODUCT LABELING, FOOD see **FOOD LABELING**

PRODUCT SAFETY, CONSUMER see **CONSUMER PRODUCT SAFETY**

PRODUCT SURVEILLANCE, POSTMARKETING see under **EVALUATION STUDIES**

PRODUCTIVITY see **EFFICIENCY**

PROENZYMES see **ENZYME PRECURSORS**

PROESTRUS see under **ESTRUS**

PROFADOL see under **PYRROLIDINES**

PROFESSIONAL COMPETENCE

A comparison of deaf and hearing teacher effectiveness. Serwatka TS, et al. **Am Ann Deaf** 1986 Dec;131(5):339-43

Does dress influence how parents first perceive house staff competence? Taylor PG. **Am J Dis Child** 1987 Apr; 141(4):426-8

Profiles in excellence. Ballman CS. **Am J Nurs** 1987 Jun; 87(6):782-7

The college examination system--a time for flexibility [editorial] Smith ED. **Aust NZ J Surg** 1986 Dec; 56(12):880-3

Surgical education: the Royal College of Surgeons of Edinburgh specialty examination in surgical neurology. Whittle IR, et al. **Aust NZ J Surg** 1986 Dec;56(12):915-7

The role of centralized computer services in faculty evaluation. Coleman EA, et al. **Comput Nurs** 1986 Nov-Dec;4(6):259-64

Competencies for effective teaching of hearing impaired students. Sass-Lehrer M. **Except Child** 1986 Nov; 53(3):230-4

The newly hired hospital staff nurse's professionalism, satisfaction and alienation. Ahmadi KS, et al. **Int J Nurs Stud** 1987;24(2):107-21

The role of the American Nurses' Association in maintaining professional accountability. Nichols BL. **J Am Coll Health Assoc** 1979 Dec;28(3):147-9

Continuing competence and relicensure. Sovie MD. **J Am Coll Health Assoc** 1979 Dec;28(3):150-4

Toward a broader understanding of ethics, self-regulation, and quality assurance. Office of Quality Assurance. **J Am Dent Assoc** 1987 Feb;114(2):246-8

Developing competency tests for Oklahoma's dietetic support personnel program. Zdorkowski RT. **J Am Diet Assoc** 1986 Dec;86(12):1709-12

Determining the core competencies of the ideal health sciences communicator. Battles JB, et al. **J Biocommun** 1986 Fall;13(4):20-8

Essential skills for nurse managers. Vance C, et al. **J Nurs Adm** 1986 Dec;16(12):9, 16

Does the baccalaureate make a difference?: Differentiating nurse performance by education and experience. DeBack V, et al. **J Nurs Educ** 1986 Sep;25(7):275-85

Thoughts on the whats, hows, and whys of faculty practice. Gilliss CL. **J Prof Nurs** 1985 Sep-Oct;1(5):256

The process of advanced nursing practice. Harper DC. **J Prof Nurs** 1985 Nov-Dec;1(6):323, 385

Classics from our heritage. The nature and characteristics of professional education for nursing. Rogers ME. **J Prof Nurs** 1985 Nov-Dec;1(6):381-3

Classics from our heritage. A brave new nursing world: exercising options for the future. Schlotfeldt RM. **J Prof Nurs** 1985 Jul-Aug;1(4):244-51

The relationship between professionalization of nursing faculty, leadership styles of deans, and faculty scholarly productivity. Wakefield-Fisher M. **J Prof Nurs** 1987 May-Jun;3(3):155-64

A California school nurse credential survey. Brajkovich HL, et al. **J Sch Health** 1986 Dec;56(10):437-9

Board of Medicine received 225 allegations last year. DeKornfeld TJ. **Mich Med** 1987 Apr;86(4):233-4

Opinions about the professional doctorate in nursing. Edens GE, et al. **Nurs Outlook** 1987 May-Jun;35(3):136-40

Obstacles to nursing's preferred future. Felton G. **Nurs Outlook** 1987 May-Jun;35(3):126-8

Perceptions of physical therapy competencies in rheumatology. Physical therapists versus rheumatologists. Moncur C. **Phys Ther** 1987 Mar;67(3):331-9

[The role of the Committee for Proof of Competency in emergency medicine, from the legal viewpoint] Lippert HD. **Dtsch Med Wochenschr** 1986 Nov 28;111(48):1855-7 **(Ger)**

LEGISLATION & JURISPRUDENCE

The Wendy Savage affair [editorial] Craig CJ. **S Afr Med J** 1987 Feb 7;71(3):136-7

STANDARDS

"...Relating to the practice of medicine and the persons engaged in such practice..." Meenan PN. **Ir Med J** 1987 Apr;80(4):108-12

Essentials of college and university education for professional nursing. Report to the membership of AACN, October 1986. **J Prof Nurs** 1987 Jan-Feb;3(1):54-69, 71

[Psychotherapeutic competence] Förster E. **Z Kinder Jugendpsychiatr** 1986;14(3):209-11 **(Ger)**

[Professional requirements for pediatric otorhinolaryngologists] Shevrygin BV, et al. **Vestn Otorinolaringol** 1987 Jan-Feb;(1):5-7 (Eng. Abstr.) **(Rus)**

PROFESSIONAL CORPORATIONS see under **PROFESSIONAL PRACTICE**

PROFESSIONAL-FAMILY RELATIONS

Sudden and unexpected death. The pediatrician's response. Mandell F, et al. **Am J Dis Child** 1987 Jul;141(7):748-50

At the carousel. Cohen JL. **Am J Nurs** 1987 Jul;87(7):998

Families, patients, and mental health professionals: toward a new collaboration [editorial] Grunebaum H. **Am J Psychiatry** 1986 Nov;143(11):1420-1

Emergency department experience with sudden death: a survey of survivors. Parrish GA, et al. **Ann Emerg Med** 1987 Jul;16(7):792-6

An evaluation of daily report cards with minimal teacher and parent contacts as an efficient method of classroom intervention. Lahey BB, et al. **Behav Modif** 1977 Jul; 1(3):381-94

Providing information to relatives about schizophrenia: some comments. Tarrier N, et al. **Br J Psychiatry** 1986 Oct; 149:458-63

Developing partnerships between families and service

providers in rural Vermont. Horel L. **Child Today** 1987 Jan–Feb;16(1):17–9
Working with one's own family: another path for professional development. Crouch M. **Fam Med** 1986 Mar–Apr; 18(2):93–8
Structure, self–regulating sequences, and institutional third parties in therapy: the Veterans Administration as a model. Frey J 3d, et al. **Fam Process** 1987 Jun;26(2):223–33
Evaluation of family therapy trainees: acquisition of cognitive and therapeutic behavior skills. Pulleyblank E, et al. **Fam Process** 1986 Dec;25(4):591–8
Amyotrophic lateral sclerosis: psychosocial interventions for patients and their families. Sebring DL, et al. **Health Soc Work** 1987 Spring;12(2):113–20
Telling patients and families the psychiatric diagnosis: a survey of psychiatrists. Green RS, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):666–8
Parents' perceptions of hospital services for sudden infant death syndrome. Ward S, et al. **Ir Med J** 1986 Aug; 79(8):209–11
Communication between physicians and surviving spouses following patient deaths. Tolle SW, et al. **J Gen Intern Med** 1986 Sep–Oct;1(5):309–14
Inappropriate silence. Lindell AR. **J Prof Nurs** 1986 Nov–Dec;2(6):339
Caring for parents of critically ill neonates during hospitalization: strategies for health care professionals. Steele KH. **Matern Child Nurs J** 1987 Spring;16(1):13–27
A surgical liaison program: making the wait more bearable. Mitiguy JS. **MCN** 1986 Nov–Dec;11(6):388–92
Helping the stepparent parent. Romanczuk AN. **MCN** 1987 Mar–Apr;12(2):106–10
The psychiatric diagnosis: is it an instrument of help or one of doom? Shieber A, et al. **Med Law** 1987;6(2):165–72
Are we professionalizing parents? Weighing the benefits and pitfalls. Allen DA, et al. **Ment Retard** 1987 Jun;25(3):133–9
Professional–family collaboration. Johnson DL. **New Dir Ment Health Serv** 1987 Summer;(34):73–9
A family affair. Helping families cope with mental illness: a guide for the professions. Committee on Psychiatry and the Community. Group for the Advancement of Psychiatry. **Rep Group Adv Psychiatry** 1986;(119):1–102
Semantic barriers to family and professional collaboration. Hatfield AB. **Schizophr Bull** 1986;12(3):325–36
[Around the deaf child: parents, audiometry specialists, audiologists, speech therapists, hearing aid specialists, psychologists] Daubech Q, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):297–304 (Eng. Abstr.) **(Fre)**
[The parents of a deaf baby and the speech therapist. The passage from the medical field to educational guidance] Goldsmit L. **Rev Laryngol Otol Rhinol (Bord)** 1986; 107(4):283–6 (Eng. Abstr.) **(Fre)**
[Psychological approach to the relatives of intensive care patients] Dorfmüller M. **Med Klin** 1987 Mar 13;82(5):207–9 **(Ger)**
[Metamorphoses of relatives in clinical psychiatry] Stoffels H. **Z Klin Psychol Psychopathol Psychother** 1986; 34(2):157–68 (Eng. Abstr.) **(Ger)**
[The hospital and relatives. The missing role] Fossåskaret E. **Tidsskr Nor Laegeforen** 1987 Jun 10;107(16):1470–2 (Eng. Abstr.) **(Nor)**

PROFESSIONAL IMPAIRMENT

The path to addiction—and recovery. Kelley RD. **Am J Nurs** 1987 Feb;87(2):176–84
The impaired dentist. Recognition and treatment of the alcoholic and drug–dependent professional. Clarno JC. **Dent Clin North Am** 1986 Oct;30(4 Suppl):S45–53
Reporting drug abuse creates ethical problem. Cherskov M. **Hospitals** 1986 Nov 20;60(22):100
Chemical dependency: the road to recovery. **J Am Dent Assoc** 1987 Jul;115(1):17–27
Impaired black health professionals: vulnerabilities and treatment approaches. Bell CC. **J Natl Med Assoc** 1986 Oct;78(10):925–30
A monitored treatment program for impaired health care professionals. Robbins CE. **J Nurs Adm** 1987 Feb; 17(2):17–21
When is the recovering impaired nurse ready to work? A job interview guide. Veatch D. **J Nurs Adm** 1987 Feb; 17(2):14–6
Chemical dependency in the health professions. Roth LH. **J Nurse Midwifery** 1987 Mar–Apr;32(2):91–7
Substance abuse and the nurse: a legal and ethical dilemma. Moore G, et al. **J Prof Nurs** 1987 Jan–Feb;3(1):5
Disclosure or silence on impaired practice? [letter] **Nurs Outlook** 1987 Jan–Feb;35(1):9
State board criteria for licensure and disciplinary procedures regarding impaired nurses. Champagne M, et al. **Nurs Outlook** 1987 Mar–Apr;35(2):54, 56–7, 101
State Boards of Nursing [letter] Dvorak EM. **Nurs Outlook** 1987 Jul–Aug;35(4):159
Interpretations of state board criteria and disciplinary procedures regarding impaired nurses. Swenson I, et al. **Nurs Outlook** 1987 May–Jun;35(3):108–10, 145
State Board members' perceptions of impaired nurses. Swenson I, et al. **Nurs Outlook** 1987 Jul–Aug;35(4):154–5
A descriptive study of nurse impairment in the province of Alberta—a preliminary report. Pagliaro AM. **Proc West Pharmacol Soc** 1987;30:415–8

LEGISLATION & JURISPRUDENCE

The Medical Practice Act of 1985. Part VI—Impaired professionals and mandatory reporting of impaired professionals to the medical board. Moyer JH. **Pa Med** 1987 Mar;90(3):69–76

PROFESSIONAL–PATIENT RELATIONS

see related
TRUTH DISCLOSURE

Observed behaviors during clinical interviews predict improvement in depression. Bouhuys AL, et al. **Acta Psychiatr Belg** 1986;86:699–720
Interactions between peers with and without severe handicaps: dynamics of teacher intervention. Cole DA, et al. **Am J Ment Defic** 1986 Sep;91(2):160–9
To what behaviors do attending adults respond? A replication. Felce D, et al. **Am J Ment Defic** 1987 Mar; 91(5):496–504
Facial expressions of mentally retarded and nonretarded children: II. Recognition by nonretarded adults with varying experience with mental retardation. Maurer H, et al. **Am J Ment Defic** 1987 Mar;91(5):511–5
If it's AIDS, please don't tell. Mitchell C, et al. **Am J Nurs** 1987 Jul;87(7):911–2, 914
The initial contract in the treatment of borderline patients. Selzer MA, et al. **Am J Psychiatry** 1987 Jul;144(7):927–30
Mirror hunger in the psychodynamics of sexually abusing therapists. Claman JM. **Am J Psychoanal** 1987 Spring; 47(1):35–40
Research and laws regarding therapist–patient sexual involvement: implications for therapists. Pope KS. **Am J Psychother** 1986 Oct;40(4):564–71
Process in psychotherapy as decreasing asymmetry between patient and therapist: evidence from the verbal interaction. Winefield HR, et al. **Am J Psychother** 1987 Jan; 41(1):117–26
Optimizing staff performance in an institutional behavior change system. A pilot study. Andrasik F, et al. **Behav Modif** 1977 Apr;1(2):235–48
The resistive client. A neglected phenomenon in behavior therapy. Jahn DL, et al. **Behav Modif** 1980 Jul;4(3):303–20
Professional collaboration in high blood pressure control. Hill MN. **Bibl Cardiol** 1987;(42):1–7 (15 ref.)
Client–therapist congruence of expectations over the course of therapy. Benbenishty R, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):17–24
Therapist's and client's perceptions in behaviour therapy: the development and cross–cultural analysis of an assessment instrument. Bennun I, et al. **Br J Clin Psychol** 1986 Nov; 25 (Pt 4):275–83
Prediction versus reflection in therapist demonstrations of understanding: a replication with clinical cases. Alpher VS, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):235–6
Staff resistance to interpretive psychotherapy in the in–patient community meeting. Winer JA, et al. **Br J Med Psychol** 1987 Mar;60 (Pt 1):39–44
Who provides patients with drug information? McMahon T, et al. **Br Med J** 1987 Feb 7;294(6568):355–6
The impact of suicide on therapists in training. Brown HN. **Compr Psychiatry** 1987 Mar–Apr;28(2):101–12
Pharmacist–patient communication [letter] Campbell RK. **Drug Intell Clin Pharm** 1987 Apr;21(4):383
Pharmacists do not talk about prescriptions [editorial] Whitney HA Jr. **Drug Intell Clin Pharm** 1986 Oct; 20(10):777–8
Nursing home consultation: difficult residents and frustrated staff. Block C, et al. **Gerontologist** 1987 Aug;27(4):443–6
A longitudinal account of staff adaptation to AIDS patients on a psychiatric unit. Amchin J, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1235–8
Patient–therapist mismatch: we would rather switch than fight. Andrews S, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):918–22
Therapeutic alliance and hospital treatment outcome. Clarkin JF, et al. **Hosp Community Psychiatry** 1987 Aug; 38(8):871–5
Use of constant observation with potentially suicidal patients in general hospitals. Goldberg RJ. **Hosp Community Psychiatry** 1987 Mar;38(3):303–5
Training for battle: thoughts on managing aggressive patients. Lion JR. **Hosp Community Psychiatry** 1987 Aug; 38(8):882–4
Shopper finds guest relations program intact. McLeod R. **Hospitals** 1987 May 5;61(9):46, 49
The interactional basis of hypnotic experience: on the relational dimensions of hypnosis. Diamond MJ. **Int J Clin Exp Hypn** 1987 Apr;35(2):95–115
Psychiatric decision–making for the courts: judges, psychiatrists, lay people? Jackson MW. **Int J Law Psychiatry** 1986;9(4):507–20
The Privilege Study (Part III): Psychotherapist–patient communications in Canada. Shuman DW, et al. **Int J Law Psychiatry** 1986;9(4):393–429
Analyst involvement in the psychoanalytical impasse. Maldonado JL. **Int J Psychoanal** 1984;65 (Pt 3):263–71
Suddenly finding it really matters: the paradox of the analyst's non–attachment. Parsons M. **Int J Psychoanal** 1986;67 (Pt 4):475–88
Approaching the adolescent patient. Pitfalls and solutions. Silber TJ. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):31S–40S
The relationship of patient difficulty to therapist performance in interpersonal psychotherapy of depression. Foley SH, et al. **J Affective Disord** 1987 May–Jun;12(3):207–17
The impact of the therapist's pregnancy on the dynamics of the therapeutic process. Fuller RL. **J Am Acad Psychoanal** 1987 Jan;15(1):9–28
Medical students' gender preference when selecting a psychiatrist. Kris KB, et al. **J Am Coll Health** 1986 Jul; 35(1):5–10
Morality [letter] **J Am Optom Assoc** 1987 Jan;58(1):12
Morality at bay [editorial] Bloom HW. **J Am Optom Assoc** 1986 Sep;57(9):648–9
Psychoanalysis and time. Arlow JA. **J Am Psychoanal Assoc** 1986;34(3):507–28
Working alliance, therapeutic alliance, and transference. Brenner C. **J Am Psychoanal Assoc** 1979;27 Suppl:137–57
The concept of therapeutic alliance: implications for the "widening scope"Curtis HC. **J Am Psychoanal Assoc** 1979; 27 Suppl:159–92
Recontact with the analyst following termination: a survey of seventy–one cases. Hartlaub GH, et al. **J Am Psychoanal Assoc** 1986;34(4):895–910
Toward a definition of psychoanalytic neutrality. Hoffer A. **J Am Psychoanal Assoc** 1985;33(4):771–95
Reconstruction and perceptual experience: further thoughts on psychoanalytic listening. Schwaber EA. **J Am Psychoanal Assoc** 1986;34(4):911–32
Reflections on the pharmacist–patient relationship. Kilwein JH. **J Clin Pharm Ther** 1987 Jun;12(3):141–4
Gaps between expectations and perceived reality of therapists and clients. Benbenishty R. **J Clin Psychol** 1987 Mar; 43(2):231–6
Discrepancies between therapists' role preferences and role expectations. Benbenishty R, et al. **J Clin Psychol** 1986 Sep;42(5):719–27
Interactional correlates of premature termination. Tracey TJ. **J Consult Clin Psychol** 1986 Dec;54(6):784–8
Thinly disguised contempt: a barrier to excellence. Brown–Stewart P. **J Nurs Adm** 1987 Apr;17(4):22–7
The therapeutic relationship with abused women. Limandri BJ. **J Psychosoc Nurs Ment Health Serv** 1987 Feb; 25(2):8–11, 15–6
Psychiatric inpatients' perception of the seclusion–room experience. Richardson BK. **Nurs Res** 1987 Jul–Aug; 36(4):234–8
Some limitations on therapeutic effectiveness: the "burnout syndrome" in psychoanalysts. Cooper AM. **Psychoanal Q** 1986 Oct;55(4):576–98
Psychoanalysis and negotiation. Goldberg A. **Psychoanal Q** 1987 Jan;56(1):109–29
The analyst, his theory, and the psychoanalytic process. Hurwitz MR. **Psychoanal Study Child** 1986;41:439–66
Falls and staffing in a residential home for elderly people. Blake C, et al. **Public Health** 1986 Nov;100(6):385–91
Interactive fit. A guide to nonpsychotic chronic patients. Group for the Advancement of Psychiatry. **Rep Group Adv Psychiatry** 1987;(121):1–94
Communicating with adolescents who have behavior problems. Kreipe RE, et al. **Semin Adolesc Med** 1987 Jun; 3(2):127–34
Client relations in South Asia: programmatic and societal determinants. Simmons R, et al. **Stud Fam Plann** 1986 Nov–Dec;17(6 Pt 1):257–68
[The initial interview in counseling—a communications viewpoint] Buchholz MB. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):98–106 (Eng. Abstr.) **(Ger)**
[The traumatized therapist. Countertransference in a difficult patient] Calogeras RC, et al. **Psyche (Stuttg)** 1986 Nov; 40(11):971–90 (Eng. Abstr.) **(Ger)**
[Understanding and not understanding. Some technical questions] Joseph B. **Psyche (Stuttg)** 1986 Nov; 40(11):991–1006 (Eng. Abstr.) **(Ger)**
["... a God told me, what I suffer"—emancipation and method] Lorenzer A. **Psyche (Stuttg)** 1986 Dec;40(12):1051–62 (Eng. Abstr.) **(Ger)**
[The psychoanalyst without face or history—psychoanalysis without face or history] Speier S. **Psyche (Stuttg)** 1987 Jun; 41(6):481–91 (Eng. Abstr.) **(Ger)**
[Use of process and turning point in psychotherapy—significance of the theatrical aspect as a cooperative mode of behavior] Schmidt P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Feb;39(2):103–7 (Eng. Abstr.) **(Ger)**
[Beginning of the session in psychoanalytic therapy] Kind J. **Z Psychosom Med Psychoanal** 1986;32(3):216–30 (Eng. Abstr.) **(Ger)**
[Intuition in the therapeutic process] Rentrop E. **Z Psychosom Med Psychoanal** 1987;33(2):139–44 **(Ger)**

PROFESSIONAL PRACTICE

Working conditions of male and female psychiatrists. Kastrup M, et al. **Acta Psychiatr Scand** 1986 Jul;74(1):84–90
Games of the "medical revolution".McLain DA. **Ala Med** 1987 Jul;57(1):20, 25–6
Re: A critique on orthodontic practice studies [letter] Gottlieb EL. **Am J Orthod Dentofacial Orthop** 1987 Apr; 91(4):351–2
Female dentists. Practice plans and practice activity.

Waldman HB. **Ann Dent** 1987 Summer;46(1):37–9
A profile of emergency physicians 1984–1985: demographic characteristics, practice patterns, and income. Rosenbach ML, et al. **Ann Emerg Med** 1986 Nov;15(11):1261–7
Time management. Part IV: Decontaminating work and play time. McGee-Cooper A. **AORN J** 1986 Nov;44(5):809, 812–3
Dispensing quality. More than hearing aids are marketed in dispensing audiology practices. **ASHA** 1987 Apr;29(4):22–6
InSpeech: in business ... inspired. Malone RL. **ASHA** 1987 Jan;29(1):35–9
Ten years' experience in low vision practice. Boulton L. **Aust N Z J Ophthalmol** 1986 Nov;14(4):365–71
Ancillary dental workers regulations [letter] Yardley RM. **Br Dent J** 1986 Oct 25;161(8):278–9
Placement and location of graduates. Bentley KC. **Can Dent Assoc J** 1986 Sep;52(9):751
The relation between personal characteristics of physicians and practice location in Manitoba. Carter RG. **Can Med Assoc J** 1987 Feb 15;136(4):366–8
Practicing overseas: There's more to it than the money. Milne M. **Can Med Assoc J** 1986 Nov 15;135(10):1164–73
An agenda for cancer prevention in nursing practice. Love RR, et al. **Cancer Nurs** 1985 Dec;8(6):329–38
Ethics in clinical research and clinical practice. Roy DJ. **Clin Invest Med** 1986 Nov;9(4):283–9
Entry into practice: the continuing saga. Dunbar S. **Heart Lung** 1987 Mar;16(2):22A–27A
Establishing an adolescent medical practice. Senior RJ. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):24S–30S
Practice implications of health promotion and disease prevention in allied health. Douglas PD. **J Allied Health** 1986 Nov;15(4):323–7
Practice characteristics of women dentists. Niessen LC, et al. **J Am Dent Assoc** 1986 Dec;113(6):883–8
Productivity management: applying it personally and professionally. McEwan CW, et al. **J Am Diet Assoc** 1987 May;87(5):581–3
Professionalism and ethical practice in optometry. Balliet P. **J Am Optom Assoc** 1987 Feb;58(2):128–30
Men and women optometrists: a profile of practice characteristics five and ten years after graduation. Ryan JB, et al. **J Am Optom Assoc** 1986 Oct;57(10):732–8
Debunking deprofessionalism [letter] Zelada AJ. **J Am Optom Assoc** 1986 Nov;57(11):809–10
The shrinking autonomy of the practicing physician and its impact on quality. Bellin LE. **J Community Health** 1986 Fall;11(3):155–64
Importance of community size in practice location decisions of final year residents. Samaha PA, et al. **J Community Health** 1987 Summer–Fall;12(2–3):139–46
The association and the supervision of dental hygienists [editorial] Mumma RD Jr. **J Dent Educ** 1987 Aug; 51(8):463–4
Geographic location of recent dental graduates: plans and realities. Solomon ES, et al. **J Dent Educ** 1987 Aug; 51(8):508–10
The impact of dental research on dental practice. Mjör IA. **J Dent Res** 1986 Oct;65(10):1194–5
The lesbian corporate experience. Hall M. **J Homosex** 1986 May;12(3–4):59–75
Locum tenens. Renaldy C, et al. **J Med Assoc Ga** 1986 Aug; 75(8):504–5
Physicians' assessments of a rural preceptorship and its influence on career choice and practice site. Chaulk CP, et al. **J Med Educ** 1987 Apr;62(4):349–51
Effect of a clerkship on students' attitudes toward practice problems and preventive care. Linn BS, et al. **J Med Educ** 1987 May;62(5):408–17
Nursing diagnoses in a professional model of nursing: keystone for effective nursing administration. Maas ML. **J Nurs Adm** 1986 Dec;16(12):39–42
Clinical practice and the graduate nursing faculty. Wahlquist GI, et al. **J Nurs Educ** 1983 Nov;22(9):394–6
The process of advanced nursing practice. Harper DC. **J Prof Nurs** 1985 Nov–Dec;1(6):323, 385
Characteristics of employment and job satisfaction in nontraditional dental hygiene practice settings. Cohen L, et al. **J Public Health Dent** 1987 Spring;47(2):88–93
The efficient use of the hygienist: how is the public best served? House DR. **J Public Health Dent** 1987 Summer; 47(3):153–4
An attitudinal assessment of faculty practice plans. MacLeod GK, et al. **JAMA** 1987 Feb 27;257(8):1072–5
A comparison of the patients and practices of recent graduates of family practice and general internal medicine residency programs. Cherkin DC, et al. **Med Care** 1986 Dec;24(12):1136–50
The United States and Canada: different approaches to health care [letter] **N Engl J Med** 1987 Jul 30;317(5):322
Financial incentives to physicians [letter] **N Engl J Med** 1986 Dec 25;315(26):1681–2
HMO–IPA proposal. Minzter A. **NJ Med** 1986 Nov; 83(11):745–6
Institutionalizing nursing practice [letter] **Nurs Outlook** 1986 Nov–Dec;34(6):265
The politics of faculty practice: the dean's role. Langford TL. **Nurs Outlook** 1987 Jul–Aug;35(4):178–81
Faculty practice: new definitions, new opportunities. McClure ML. **Nurs Outlook** 1987 Jul–Aug;35(4):162–6
Professional and employment characteristics of NPs with master's and non-master's preparation. Cruikshank BM, et al. **Nurse Pract** 1986 Nov;11(11):45–52
Independent practice: the educational question. Loveland LW. **NY State Dent J** 1987 Apr;53(4):4–5
Ten years of graduates from SUNY at Stony Brook:location and type of practice [published erratum appears in NY State Dent J 1987 May;53(5):52] Waldman HB. **NY State Dent J** 1987 Mar;53(3):26–7
The professionalisation of nursing—collegial cooperation. Mathias WL. **NZ Med J** 1987 Feb 11;100(817):68–9
The organizational, professional and clinical characteristics of general practitioners and family physicians' medical practice. Maheux B, et al. **Proc Annu Conf Res Med Educ** 1986;25:264–9
Practicing autonomously: a comparison of nurses. Wood JE, et al. **Public Health Nurs** 1986 Sep;3(3):130–9
Effects of community characteristics on young physicians' decisions regarding rural practice. Langwell KM, et al. **Public Health Rep** 1987 May–Jun;102(3):317–28
'Reprofessionalization' or 'occupational imperialism'?: some reflections on pharmacy in Britain. Holloway SW, et al. **Soc Sci Med** 1986;23(3):323–32
Separating doctors' homes and doctors' offices: San Francisco, 1881–1941. Shumsky NL, et al. **Soc Sci Med** 1986;23(10):1051–7
[Creativity in medical practice] **Gac Med Mex** 1985 Jul–Oct; 121(7–10):249–61 **(Spa)**

ECONOMICS

An alternate practice sale/retirement arrangement. A way out. Parker WS. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):438–41
Retirement financial planning among professional workers. Kilty KM, et al. **Gerontologist** 1986 Oct;26(5):525–30
Welcome: The Internal Revenue Code of 1986. Part II: Effects on corporations and other businesses. The Health Care Group. **Pa Med** 1986 Dec;89(12):40–3, 46–8

HISTORY

Battle of the clubs in New South Wales. Green DG. **Med J Aust** 1983 Jan 22;1(2):83–6

LEGISLATION & JURISPRUDENCE

Daily, O'Donnell, and the GMC [letter] **Br Med J** 1987 Feb 28;294(6571):573–4
Practice purchases raise tough legal issues. Riffer J. **Hospitals** 1986 Oct 20;60(20):73
Innovative new Florida laws affect dental practice, malpractice verdicts and tort reforms. Gustafson T. **J Am Coll Dent** 1987 Spring;54(1):16–20
Adding a partner or associate to your professional practice. Horowitz JE, et al. **J Am Optom Assoc** 1986 Nov; 57(11):850–3
Professional association with unlicensed persons. Hannah HW. **J Am Vet Med Assoc** 1986 Sep 1;189(5):510–1
You and malpractice stress. IV: The office staff's perspective. Blum R. **J Med Assoc Ga** 1987 Jan;76(1):61–2
Classics from our heritage. The need for legislation for licensure to practice professional nursing. Rogers ME. **J Prof Nurs** 1985 Nov–Dec;1(6):384
The professional status of nursing: a view from the courts. Murphy EK. **Nurs Outlook** 1987 Jan–Feb;35(1):12–5
Scope of practice. Klein CA. **Nurse Pract** 1986 Nov; 11(11):67, 71–2
The Medical Practice Act of 1985. Part V—Responsibility of the Medical Board for law enforcement and discipline. Moyer JH. **Pa Med** 1986 Dec;89(12):51–8
Independent practice—on the horns of a dilemma. A special communication. Singleton MC. **Phys Ther** 1987 Jan; 67(1):54–7
The corporate practice of medicine, revisited. Wilcox DP. **Tex Med** 1986 Dec;82(12):71–2
Changes for physicians, physician corporations under Tax Reform Act. Clarke LS. **W Va Med J** 1986 Dec; 82(12):487–8
[Current legislation regarding professional practice in health care] Gevers JK. **Ned Tijdschr Geneeskd** 1987 Jan 3; 131(1):22–5 **(Dut)**
[The Veterinary Drug Act, the Veterinary Practice Act and the cattle farmer] van Hoof W. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):491–2 (Eng. Abstr.) **(Dut)**

ORGANIZATION & ADMINISTRATION

MD manager heads "corporation" of physicians.Nelson S. **Hospitals** 1987 Apr 5;61(7):70
A catalyst for cooperation. The Northern Lakes Health Care Consortium. Christensen RG, et al. **Minn Med** 1987 Jan; 70(1):35–6
How to join and participate in a medical corporation. Thomas C. **Nurse Pract** 1986 Sep;11(9):64, 67, 71

STANDARDS

Deciphering fact from fallacy about entry-into-practice requirements is every nurse's responsibility [editorial] Palmer PN. **AORN J** 1987 Jun;45(6):1269, 1272
Auxiliary dental workers regulations [letter] Law JA. **Br Dent J** 1986 Dec 6;161(11):392
The conflict and paradox of medical practice and corporate medicine. Kahn L. **Circulation** 1986 Oct;74(4):659–63
Do you know them as well as they know you? **IMJ** 1987 Aug;172(2):74–5
Changing the professional liability environment through good practice policies. Blum R. **J Med Assoc Ga** 1987 Mar; 76(3):181–2
The professions: a critical review. Cripps Y. **Vet Rec** 1986 Sep 13;119(11):277–81
[Professional ethics of physicians] Ruzyllo E. **Wiad Lek** 1987 Jan 1;40(1):56–70 **(Pol)**

TRENDS

Working on the factory floor [editorial] Stoeckle JD. **Ann Intern Med** 1987 Aug;107(2):250–1
Still point (of the turning world). Mansberger AR Jr. **Ann Surg** 1987 May;205(5):439–44
Work load differences between male and female doctors. Rowe IL, et al. **Aust Fam Physician** 1986 Sep;15(9):1145–6, 1148
The changing limits of professionalism in allied health. Bruhn JG. **J Allied Health** 1987 May;16(2):111–8
National osteopathic pediatrician survey. Ryan ME. **J Am Osteopath Assoc** 1986 Aug;86(8):520–5
How your practice can cope with change. Beck LC, et al. **J Tenn Med Assoc** 1986 Sep;79(9):550–4
Should your children seek to become physicians? Beck LC. **J Tenn Med Assoc** 1987 Jan;80(1):19–21
Health care in transition. Consequences for young physicians. Council on Long-Range Planning and Development. **JAMA** 1986 Dec 26;256(24):3384–90
Graduate followup of UKSM–KC Family Practice Residency training. Price JG, et al. **Kans Med** 1987 May; 88(5):155–8
Modern medicine. Smith JE. **Minn Med** 1987 Feb;70(2):69–72
The changing climate of medical practice. The physician rebellion. Kralewski JE, et al. **N Engl J Med** 1987 Feb 5;316(6):339–42
Reflections on nursing, 1987. Schlotfeldt RM. **Nurs Outlook** 1987 Sep–Oct;35(5):226–8
Career choices of men and women in medicine: a study of a cohort of recent medical graduates. Woodward CA. **Proc Annu Conf Res Med Educ** 1986;25:109–14
Faculty practice in home health care: a new education and service relationship in process. Murray KM, et al. **QRB** 1987 Feb;13(2):42–4
The geographical restructuring of urban hospitals: spatial dimensions of corporate strategy. McLafferty S. **Soc Sci Med** 1986;23(10):1079–86
The medical profession and the corporatization of the health sector. Salmon JW. **Theor Med** 1987 Feb;8(1):19–29
Alternative delivery systems and their impact on physicians. McDonald RB, et al. **Top Health Care Financ** 1987 Spring; 13(3):47–59
[Medicine: the dawn of new eras] Roa A. **Rev Med Chil** 1986 Nov;114(11):1079–84 (Eng. Abstr.) **(Spa)**

PROFESSIONAL PRACTICE LOCATION see under **PROFESSIONAL PRACTICE**

PROFESSIONAL REVIEW ORGANIZATIONS

Diagnosis-related groups, peer review and the evaluation of hospital activities. Palmer GR, et al. **Aust Clin Rev** 1986 Sep;6(22):120–6
CPRO and hereafter. Kamens EA. **Conn Med** 1986 Aug; 50(8):531–2
Hospitals anxious over payment denials for quality. Burda D. **Hospitals** 1987 Jun 20;61(12):48, 53
PRO scrutiny means more hospital involvement [interview by Myk Cherskov] Dehn T. **Hospitals** 1987 Mar 20; 61(6):103–4
HCFA rethinking substandard care COBRA provision. Firshein J. **Hospitals** 1987 Feb 5;61(3):23, 25–6
Payment denial proposals spark questions. Merrill T. **Hospitals** 1987 Jun 20;61(12):36
PRO reviews: 50% on site per quarter, says AHA. Merrill T. **Hospitals** 1987 Jul 20;61(4):18
Mortality data release to hold "no surprises" [interview by Cathy Tokarski] Morford T. **Hospitals** 1987 Feb 20; 61(4):82–3
Proact—don't react—to PRO data disclosure. Powills S. **Hospitals** 1986 Oct 20;60(20):60
Hospitals charge PROs with unfair crackdowns. Shahoda T. **Hospitals** 1987 Apr 20;61(8):28, 33
PROs OK review screens, want more leeway. Traska MR. **Hospitals** 1987 May 20;61(10):28, 30
HMO review bidders stew over delayed RFP. Traska MR. **Hospitals** 1987 Mar 20;61(6):73–4
HMO review plan panned by prospective bidders. Traska MR. **Hospitals** 1987 Apr 20;61(8):56–7
South Carolina PRO review [letter] Meyer TM. **J SC Med Assoc** 1987 May;83(5):277
Professional review in the USA [letter] **Lancet** 1987 Jun 27; 1(8548):1492
The American Psychiatric Association's psychiatric case management program. Kuzmicki KV, et al. **QRB** 1987 Jan; 13(1):21–5
Peer review's data capability is important policing tool. Nelson CM. **Va Med** 1987 Jan;114(1):21–2
[Model of a uniform system for surgical statistics and quality assurance in surgery] Herwig H, et al. **Zentralbl Chir** 1987; 112(7):409–18 (Eng. Abstr.) **(Ger)**

ECONOMICS

A giant step to save American medicine [editorial] Smoot RT. **J Natl Med Assoc** 1987 Jul;79(7):697–9

LEGISLATION & JURISPRUDENCE

Copying cases far from over. Burda D. **Hospitals** 1987 Jun 20;61(12):76, 78
Hospitals gang up on copying rule. Burda D. **Hospitals** 1987 Feb 5;61(3):54
AMA House tries to nip regulation. Dannenfeldt D. **Hospitals** 1987 Jan 20;61(2):94
Court ruling will clarify hospital, PRO relationship. Firshein J. **Hospitals** 1986 Nov 20;60(22):28, 30
Hospital credentialing. Cowan RB, et al. **J Miss State Med Assoc** 1987 Jan;28(1):9–12

METHODS

HMO industry voices concern about PRO review [interview by Cathy Tokarski] Doherty JF. **Hospitals** 1987 Apr 5; 61(7):72–3

ORGANIZATION & ADMINISTRATION

Impact of PROs on hospitals and pharmacy practice. Black BL. **Am J Hosp Pharm** 1987 Jan;44(1):77–84
Experiences of the Texas PRO. Dunne PK, et al. **Am J Hosp Pharm** 1987 Jan;44(1):84–8
PRO experiences at a Florida community hospital. Hittel WP. **Am J Hosp Pharm** 1987 Jan;44(1):88–92
PRO experiences at the University of Wisconsin Hospital and Clinics. Schoofs AL, et al. **Am J Hosp Pharm** 1987 Jan;44(1):92–4
Medicare HMO/CMP review slated to begin Apr. 1. Firshein J. **Hospitals** 1986 Dec 5;60(23):61
HCFA official outlines PRO program objectives. Morford T. **Hospitals** 1987 Aug 5;61(15):122

STANDARDS

Medical Review of North Carolina—update on Medicare review. Godehn DJ Jr. **NC Med J** 1987 Feb;48(2):61–2

TRENDS

The peer review process: new focus, new directions. Sweet D. **Ohio Med** 1987 Jul;83(7):464, 467–71, 485
WIPRO/HCFA futility [letter] Mayersak JS. **Wis Med J** 1986 Nov;85(11):16–7
Medicare sanction activity: a primer on "big brother's" latest look over the practitioner's shoulder. Nelson JA, et al. **Wis Med J** 1986 Nov;85(11):19–21

PROFESSIONAL STAFF COMMITTEES

see related
UTILIZATION REVIEW

Use of explicit criteria and implicit judgments in a drug-use review program. Gregoire JP, et al. **Am J Hosp Pharm** 1987 Feb;44(2):332–6
Moving to shared governance. Ortiz ME, et al. **Am J Nurs** 1987 Jul;87(7):923–6
Institutional ethics committees [letter] Pizette M. **Ann Intern Med** 1987 Oct;107(4):601–2
Ethics committees and paediatric research: a personal viewpoint. Pearn J. **Aust Paediatr J** 1987 Apr;23(2):93–5
The role of the tumor board in a community hospital. Gross GE. **CA** 1987 Mar–Apr;37(2):88–92
Ethics committees for what? [editorial] Browne A. **Can Med Assoc J** 1987 Jun 1;136(11):1149–51
Bioethical review committees in perinatology. Fleischman AR. **Clin Perinatol** 1987 Jun;14(2):379–93
CFMC: professional evaluation process—hospital care (Colorado Foundation for Medical Care). **Colo Med** 1987 May;84(8):150–1
The establishment of an ethics committee at the Medical Center of Delaware [letter] Minor CL. **Del Med J** 1987 Mar;59(3):226
Bioethics committee: a resource for difficult clinical decisions [letter] Stroud HH. **Del Med J** 1987 Mar;59(3):225–6
Viewpoint: why a medical staff marketing committee is needed. Johnson EA. **Health Care Manage Rev** 1987 Winter;12(1):87–91
Liability issues increasing ethics consultations. Nelson S. **Hospitals** 1987 May 5;61(9):80, 82, 84
Ethics panels' role? To educate decisionmakers. Shahoda T. **Hospitals** 1986 Nov 5;60(21):90–1
Policies for study monitoring and interim reporting of results. Green SJ, et al. **J Clin Oncol** 1987 Sep;5(9):1477–84
Early stopping, interim analyses, and monitoring committees: what are the tradeoffs? [editorial] Zelen M. **J Clin Oncol** 1987 Sep;5(9):1314–5
Evaluation of an applicant review process. Ellison D, et al. **J Prof Nurs** 1985 Sep–Oct;1(5):300–5
The nursing research review process in a clinical setting. Kirchhoff KT, et al. **J Prof Nurs** 1985 Sep–Oct;1(5):311–4
Research on humans published in JAMA [letter] **JAMA** 1987 Sep 25;258(12):1604–7
Consensus recommendations on effective institutional Animal Care and Use Committees. **Lab Anim Sci** 1987 Jan;37 Spec No:11–3
Essential functions of Animal Care and Use Committees. Baker HJ. **Lab Anim Sci** 1987 Jan;37 Spec No:30–4
University administration of animal care and use programs. Barber AA. **Lab Anim Sci** 1987 Jan;37 Spec No:93–6
University of Southern California model for the humane care and utilization of animals in research and teaching. Benedict RC. **Lab Anim Sci** 1987 Jan;37 Spec No:90–2
The University of Southern California's Committee in Action. Berne TV, et al. **Lab Anim Sci** 1987 Jan;37 Spec No:81–9
Doing ethics by committee: problems and pitfalls. Caplan AL. **Lab Anim Sci** 1987 Jan;37 Spec No:45–7
Protocol preview and review: Animal Care and Use Committee. Cohen JM. **Lab Anim Sci** 1987 Jan;37 Spec No:57–8
Gaining institutional support: Animal Care and Use Committees. Fox JG. **Lab Anim Sci** 1987 Jan;37 Spec No:115–7
Animal Care Committees in the pharmaceutical industry. Goodpasture J. **Lab Anim Sci** 1987 Jan;37 Spec No:132–3
Institutional responsibilities: Animal Care and Use Committee. Herscowitz HB. **Lab Anim Sci** 1987 Jan;37 Spec No:118–9
Report of a panel discussion on how to run an effective Animal Care and Use Committee. Hiiemae K, et al. **Lab Anim Sci** 1987 Jan;37 Spec No:39–44
Operating principles for Committees on Animal Research. Hittelman KJ. **Lab Anim Sci** 1987 Jan;37 Spec No:97–100
A primate research center perspective: Animal Care and Use Committees. King FA. **Lab Anim Sci** 1987 Jan;37 Spec No:134–6
Animal research review in an industrial facility. Knauff DR. **Lab Anim Sci** 1987 Jan;37 Spec No:129–31
Perspective of a small institution: Animal Use and Care Committees. McKelvie DH. **Lab Anim Sci** 1987 Jan;37 Spec No:125–6
Animal research protocol review in the Veterans Administration. Moreland AF. **Lab Anim Sci** 1987 Jan;37 Spec No:137–9
Review of experimental protocols: classifying animal harm and applying "refinements"Orlans FB. **Lab Anim Sci** 1987 Jan;37 Spec No:50–6
Scientists' attitudes toward Animal Care and Use Committees. Orlans FB. **Lab Anim Sci** 1987 Jan;37 Spec No:162–6
Case studies of ethical dilemmas: Animal Care and Use Committee. Orlans FB. **Lab Anim Sci** 1987 Jan;37 Spec No:59–64
Role of laboratory animal technicians as committee members. Stephens UK. **Lab Anim Sci** 1987 Jan;37 Spec No:103
Regulatory perspectives of the United States Department of Agriculture on functions of Animal Care and Use Committees. Stewart WC. **Lab Anim Sci** 1987 Jan;37 Spec No:22–3
Membership issues: Animal Care and Use Committee. Strandberg JD. **Lab Anim Sci** 1987 Jan;37 Spec No:35–8
ACUC, who needs it?: the investigator's viewpoint. Traystman RJ. **Lab Anim Sci** 1987 Jan;37 Spec No:108–10
Role of the veterinarian. Van Hoosier GL Jr. **Lab Anim Sci** 1987 Jan;37 Spec No:101–2
Investigator concerns: Animal Care and Use Committees. Williams JF. **Lab Anim Sci** 1987 Jan;37 Spec No:113–4
Who said working on a committee was a mystery? Ireland SJ. **Radiol Technol** 1978 Sep–Oct;50(2):154–6

HISTORY

Animal Care and Use Committees: history and current national policies in the United States. Whitney RA Jr. **Lab Anim Sci** 1987 Jan;37 Spec No:18–21

ORGANIZATION & ADMINISTRATION

South Florida Hospital Consortium for Infection Control: structure and function. Ehrenkranz NJ. **Am J Infect Control** 1987 Feb;15(1):36–41
The Auckland Hospital quality assurance committee. **Aust Clin Rev** 1986 Dec;6(23):204–5
Committees: reap the benefits while avoiding the drawbacks. Cryderman P. **Dimens Health Serv** 1986 Nov;63(8):63–4, 67
Behind closed doors. Promises and pitfalls of ethics committees. Lo B. **N Engl J Med** 1987 Jul 2;317(1):46–50
The social worker's role on the institutional Ethics Committee. Furlong RM. **Soc Work Health Care** 1986 Summer;11(4):93–100

TRENDS

Past, present, and future of hospital ethics committees. Sweeney RH. **Del Med J** 1987 Mar;59(3):181–4
Institutional Review Boards: have they achieved their goal? Classen HW. **Med Law** 1986;5(5):387–93

PROFESSIONAL STANDARDS REVIEW ORGANIZATIONS see **PROFESSIONAL REVIEW ORGANIZATIONS**

PROFIBRINOLYSIN see **PLASMINOGEN**

PROFLAVINE see under **ACRIDINES**

PROGENITOR CELLS see **STEM CELLS**

PROGERIA

COMPLICATIONS

Management of coronary artery disease in Hutchinson–Gilford syndrome. Dyck JD, et al. **J Pediatr** 1987 Sep;111(3):407–10

CONGENITAL

[Neonatal Hutchinson–Gilford progeria with cutaneous sclerodermiform involvement] Labeille B, et al. **Ann Dermatol Venereol** 1987;114(2):233–42 (Fre)

DIAGNOSIS

Progeria: report of two cases and literature review. Chawla V, et al. **East Afr Med J** 1986 Nov;63(11):749–55

FAMILIAL & GENETIC

Premature aging syndromes. Brown WT. **Curr Probl Dermatol** 1987;17:152–65
Syndromes of premature aging. Beauregard S, et al. **Dermatol Clin** 1987 Jan;5(1):109–21 (78 ref.)

METABOLISM

Glycosaminoglycan-free small proteoglycan core protein is secreted by fibroblasts from a patient with a syndrome resembling progeroid. Kresse H, et al. **Am J Hum Genet** 1987 Sep;41(3):436–53
Cell membrane transport enzymes in cultured dermal fibroblasts from progeroid donors: a comparison to other human fibroblasts. Mokrasch LC. **Gerontology** 1986; 32(4):202–6

PATHOLOGY

Age-related changes in bone mass in the senescence-accelerated mouse (SAM). SAM-R/3 and SAM-P/6 as new murine models for senile osteoporosis. Matsushita M, et al. **Am J Pathol** 1986 Nov;125(2):276–83
[Hutchinson–Gilford progeria. A rare case of neonatal occurrence] Zucchini A, et al. **Pediatr Med Chir** 1986 Jul–Aug;8(4):583–5 (Eng. Abstr.) (Ita)

SURGERY

[Anesthetic management of a patient with Hutchinson–Gilford syndrome] Ariyoshi S, et al. **Masui** 1987 Mar;36(3):422–6 (Eng. Abstr.) (Jpn)

URINE

Elevation of urinary hyaluronic acid in Werner's syndrome and progeria. Kieras FJ, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):276–82

PROGERIA, ADULT see **WERNER'S SYNDROME**

PROGESTATIONAL HORMONE ANALOGS see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGESTATIONAL HORMONES

[Possibilities of testing for gestagen activity in clinical experiments] Dvořák K, et al. **Cesk Gynekol** 1986 Aug; 51(7):561–4 (Cze)

ADMINISTRATION & DOSAGE

Prevention of endometrial abnormalities. Whitehead MI. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:81–91
Estrogen plus progestin in postmenopausal women—act II [editorial] MacDonald PC. **N Engl J Med** 1986 Oct 9; 315(15):959–61
A simple method for determining the optimal dosage of progestin in postmenopausal women receiving estrogens. Padwick ML, et al. **N Engl J Med** 1986 Oct 9;315(15):930–4

ADVERSE EFFECTS

Hormonal replacement therapy—cardiovascular disease. Silfverstolpe G, et al. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:93–5
Oral contraception and hormone replacement therapy: are progestogens and progestins breast mitogens? [letter] Vorherr H. **Am J Obstet Gynecol** 1986 Nov;155(5):1140–2
Low-dose oral contraceptives: progestin potency, androgenicity, and atherogenic potential. Ellis J. **Clin Ther** 1986;8(6):607–18 (36 ref.)
Progestins and oral contraceptive-induced lipoprotein changes: a prospective study. Lipson A, et al. **Contraception** 1986 Aug;34(2):121–34
Problems in the long-term assessment of risks from drugs used in pregnancy maintenance. Sullivan FM. **Hum Reprod** 1986 Nov;1(7):459–61
[The effect of female sex hormones on blood pressure] Jespersen CM. **Ugeskr Laeger** 1987 May 25;149(22):1477–8 (Dan)
[Estrogens, progestins and hemostasis] Conard IJ, et al. **Phlebologie** 1987 Apr–Jun;40(2):373–9 (Fre)

ANALYSIS

Pre partum milk fat secretion and concentrations of progestins, prostaglandin F2 alpha and oestrone sulphate

in mammary fluid of the goat. Thompson GE, et al. **J Dairy Res** 1987 May;54(2):193–7
Effect of single-dose ketoconazole on ovarian steroids. Watanabe H, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov;54(2):271–4

ANTAGONISTS & INHIBITORS

Steroid receptor-mediated cytotoxicity of an antiestrogen and an antiprogestin in breast cancer cells. Bardon S, et al. **Cancer Res** 1987 Mar 1;47(5):1441–8
Synthetic antiprogestins stimulate human granulosa cell estradiol production in vitro. Kharbanda SM, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):174–80
Antiprogestins: prospects for a once-a-month pill. Spitz IM, et al. **Fam Plann Perspect** 1985 Nov–Dec;17(6):260–2
The effect of the antiprogestins RU 486 and ZK 98734 on the synthesis and metabolism of prostaglandins F2 alpha and E2 in separated cells from early human decidua. Smith SK, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):527–34

BIOSYNTHESIS

Cholesterol metabolism in estrogen-sensitive progestin synthesis by rabbit corpus luteum. Wittmaack FM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E457–63
Induction and inhibition of in vitro oocyte maturation and production of steroids in fish follicles by forskolin. Iwamatsu T, et al. **J Exp Zool** 1987 Jan;241(1):101–11

METABOLISM

The differential regulation of the intranuclear progestin in mouse kidney and prostate-seminal vesicles. Houben PW, et al. **Endocr Res** 1987;13(1):1–14
Immunohistochemical evidence of progestin target cells in the pituitary gland of ovariectomized rat. Sakabe K, et al. **Endocrinol Jpn** 1986 Dec;33(6):777–85
Interaction of new 19 nor progesterone derivatives with progestagen, mineralocorticoid and glucocorticoid cytosolic receptors. Botella J, et al. **J Pharmacol** 1986 Oct–Dec;17(4):699–706
Progesterone receptor binding of steroidal and nonsteroidal compounds. Neelima MS, et al. **Prog Drug Res** 1986; 30:151–88 (86 ref.)
Binding of 5 alpha-dihydroprogesterone and other progestins to female rat anterior pituitary nuclear extracts. Iswari S, et al. **Steroids** 1986 Feb–Mar;47(2–3):189–203

PHARMACODYNAMICS

Effects on breast tissue of exogenous oestrogens and progestogens. Anderson TJ. **Acta Obstet Gynecol Scand [Suppl]** 1986;134:9–13 (24 ref.)
Effect of progestins, androgens, estrogens and antiestrogens on 3H-thymidine uptake by human endometrial and endosalpinx cells in vitro. Neulen J, et al. **Arch Gynecol** 1987;240(4):225–32
Electroencephalographic and behavioral changes produced by 5 beta progestins and its antagonism by 4-aminopyridine. Kubli-Garfias C, et al. **Arch Invest Med (Mex)** 1985;16 Suppl 3:133–41 **(Eng, Spa)**
Human endometrial adenocarcinoma cells in vitro response to the administration of steroid hormones. Nishiya I, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):93–102
A clinical trial using a regimen which includes a norgestomet implant and norgestomet plus oestradiol valerate injection as a treatment for anoestrus in dairy cows. Galloway DB, et al. **Aust Vet J** 1987 Jun;64(6):187–9
Progestin stimulation of lactate dehydrogenase in the human breast cancer cell line T-47D. Hagley RD, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):167–72
Potentiation of the depression by adenosine of rat cerebral cortical neurones by progestational agents. Phillis JW. **Br J Pharmacol** 1986 Dec;89(4):693–702
Nuclear localization of progesterone receptor before and after exposure to progestin at low and high temperatures: autoradiographic and immunohistochemical studies of chick oviduct. Ennis BW, et al. **Endocrinology** 1986 Nov; 119(5):2066–75
Progestin and prostaglandin for estrous synchronization in beef heifers. Whittier JC, et al. **J Anim Sci** 1986 Sep; 63(3):700–4
Progestin effect on cell proliferation and 17 beta-hydroxysteroid dehydrogenase activity in normal human breast cells in culture. Gompel A, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1174–80
[Mechanisms of the antitumor action of gestagens on endometrial cancer] Nishida M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2214–22 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Hormonal control of sexual behavior in the female rat: molecular, cellular and neurochemical studies. McEwen BS, et al. **Biol Reprod** 1987 Feb;36(1):37–45 (67 ref.)
A 51K progestin-regulated protein secreted by human endometrial cells in primary culture. Maudelonde T, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1294–301
Progestin regulation of progesterone biosynthetic enzymes in cultured rat granulosa cells. Ruiz de Galarreta CM, et al. **Steroids** 1985 Dec;46(6):987–1002

THERAPEUTIC USE

Geriatric gynaecology. Cheang A, et al. **Ann Acad Med Singapore** 1987 Jan;16(1):66–73 (117 ref.)
James Grant Thompson Memorial Lecture. Osteoporosis: benefits and risks of estrogen-progestogen replacement therapy. Gambrell RD Jr. **J Miss State Med Assoc** 1986 Oct;27(10):267–73 (15 ref.)
Oestrogen-progestogen replacement therapy changes body composition in early post-menopausal women. Jensen J, et al. **Maturitas** 1986 Oct;8(3):209–16
Post-menopausal bone loss: effects of oestrogens and progestogens. A review. Riis BJ, et al. **Maturitas** 1986 Dec; 8(4):267–74 (61 ref.)
Progesterone and breast cancer. Ernster VL, et al. **Obstet Gynecol** 1986 Nov;68(5):715–7
Sex steroids and cancer. Gambrell RD Jr. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):191–206 (43 ref.)
[Cancer of the prostate: new hormone therapies] Namer M, et al. **Bull Cancer (Paris)** 1986;73(1):47–55 (Eng. Abstr.) **(Fre)**
[Hormone therapy of menopause and osteoporosis] Fugère P. **Union Med Can** 1987 Mar;116(3):163–6 (Eng. Abstr.) **(Fre)**

TOXICITY

Estrogens and progestins as tumor inducers. Porter LE, et al. **Semin Liver Dis** 1987 Feb;7(1):24–31 (113 ref.)

PROGESTATIONAL HORMONES, SYNTHETIC

[Triphasic combined oral steroidal contraceptives] Presl J. **Cesk Gynekol** 1987 Apr;52(3):230–2 **(Cze)**

ADMINISTRATION & DOSAGE

Multiphasic oral contraceptives. Efficacy and metabolic impact. Ellis JW. **J Reprod Med** 1987 Jan;32(1):28–36 (38 ref.)
[Hormone substitution by injectable preparations and skin implants] Kuhl H. **Gynakologe** 1986 Dec;19(4):241–7 **(Ger)**

ADVERSE EFFECTS

High-dose estrogen-progestagen oral contraceptives: a risk factor for aneurysmal subarachnoid hemorrhage? Lindegård B, et al. **Acta Neurol Scand** 1987 Jul;76(1):37–45
Progestins and oral contraceptive-induced lipoprotein changes: a prospective study. Hoppe G. **Contraception** 1987 Mar;35(3):299–305
Effect of oral hormone replacement therapy on liver function tests. Moore B, et al. **Maturitas** 1987 Apr;9(1):7–15
[Hormone therapy and the risk of cancer in the climacteric] Kuhl H, et al. **Gynakologe** 1986 Dec;19(4):259–65 **(Ger)**
[Effects of estrogen-progestin therapy on the periodontium. A review of the literature] Nicolò M, et al. **Minerva Stomatol** 1986 Sep;35(9):845–7 (Eng. Abstr.) **(Ita)**

ANALYSIS

[Radioimmunologic determination of the progestagen dienogest in plasma and saliva] Hobe G, et al. **Pharmazie** 1986 Nov;41(11):772–4 (Eng. Abstr.) **(Ger)**
[Bovine serum albumin conjugates of the new progestagen dienogest, synthesis and immunogenic properties] Hobe G, et al. **Pharmazie** 1986 Sep;41(9):627–30 (Eng. Abstr.) **(Ger)**

BLOOD

[Radioimmunoassay of the progestagen dienogest using various methods of sample preparation of plasma] Hieu DK, et al. **Pharmazie** 1986 Oct;41(10):711–4 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Steroids and related products. LIII. The synthesis of 11-oxa steroids. V. The synthesis of 17-ethynyl-11-oxatestosterone. Engel CR, et al. **Steroids** 1986 Jun;47(6):381–99

HISTORY

[Historical retrospective. Lipamin (Agomensin) and luteolipoid (Sistomensin). Animal experiments and preliminary clinical experiences] Süss J, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):351–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Properties of progestin-binding protein in benign hypertrophic human prostate. Akimoto S, et al. **Endocrinol Jpn** 1986 Jun;33(3):423–32
Progesterone metabolism in T47Dco human breast cancer cells—II. Intracellular metabolic path of progesterone and synthetic progestins. Horwitz KB, et al. **J Steroid Biochem** 1986 Dec;25(6):911–6

PHARMACODYNAMICS

Effects of altrenogest and exogenous gonadotropins on ovarian function and embryo recovery in swine leukocyte antigen inbred miniature swine as influenced by cystic endometrial hyperplasia. Diehl JR, et al. **Biol Reprod** 1986 Dec;35(5):1261–8
Effect of oral high-dose progestins on the disposition of antipyrine, digitoxin, and warfarin in patients with advanced breast cancer. Lundgren S, et al. **Cancer Chemother Pharmacol** 1986;18(3):270–5
Assessment of the potency of orally administered progestins in women. King RJ, et al. **Fertil Steril** 1986 Dec; 46(6):1062–6
Effect of feed treatment and exogenous estrogen and progestogen on puberty and lambing rates in ewe lambs. Burfening PJ, et al. **J Anim Sci** 1986 Dec;63(6):1717–21
Estrous and litter traits in gilts altered by altrenogest, flushing and pubertal status. Davis DL, et al. **J Anim Sci** 1987 Apr; 64(4):1117–26
Effects of norgestomet on follicular development in postpartum beef cows. Garcia-Winder M, et al. **J Anim Sci** 1987 Apr;64(4):1099–109
Effect of charcoal-extracted porcine follicular fluid and 17 beta-estradiol on follicular growth and plasma gonadotropins in gilts fed a progesterone agonist, altrenogest. Guthrie HD, et al. **J Anim Sci** 1987 Mar; 64(3):816–26
Effect of altrenogest and Lutalyse on parturition control, plasma progesterone, unconjugated estrogen and 13,14-dihydro-15-keto-prostaglandin F2 alpha in sows. Guthrie HD, et al. **J Anim Sci** 1987 Jul;65(1):203–11
Effects of suckling, progestogen-impregnated pessaries or hysterectomy on ovarian function in autumn-lambing postpartum ewes. Lewis GS, et al. **J Anim Sci** 1987 Jan; 64(1):216–25
Fatty acid synthetase and its mRNA are induced by progestins in breast cancer cells. Chalbos D, et al. **J Biol Chem** 1987 Jul 25;262(21):9923–6
Measurements of androgenicity. The spectrum of progestogen activity. Batzer FR. **J Reprod Med** 1986 Sep; 31(9 Suppl):848–64
Reproductive performance of female goats given progestagen associated with PMSG and/or HMG in deep anestrus. Cairoli F, et al. **Reprod Nutr Dev** 1987;27(1A):13–9
[Effects of progesterone and nomegestrol acetate on the endometrial epithelium of the rabbit. A study with scanning electron microscopy] Paris JM, et al. **J Pharmacol** 1986 Oct–Dec;17(4):508–14 (Eng. Abstr.) **(Fre)**
[Preliminary trials on estrus synchronization in Baoulé cows] Chicoteau P, et al. **Rev Elev Med Vet Pays Trop** 1986; 39(1):161–3 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Adjunctive and therapeutic progestins in endometrial cancer. Kneale BL. **Clin Obstet Gynaecol** 1986 Dec;13(4):789–809
Serum thymidine activity and somatomedin-C levels in children and adolescents with Turner's syndrome: effect of chronic estrogen and progestogen replacement therapy. Guidoux S, et al. **Horm Res** 1986;24(4):256–62
Prevention of postmenopausal osteoporosis by estrogen/gestagen substitution therapy. Riis B, et al. **Med Klin** 1987 Mar 20;82(6):238–41
[Oral hormone therapy in the pre- and postmenopausal period] Braendle W, et al. **Gynakologe** 1986 Dec; 19(4):235–40 **(Ger)**
[General undifferentiated estrogen (progestagen) substitution in the prevention of osteoporosis: contra] Ziegler R. **Med Klin** 1987 Mar 20;82(6):241–4 **(Ger)**
[Therapy of endometriosis with dienogest] Köhler G, et al. **Zentralbl Gynakol** 1987;109(12):795–801 (Eng. Abstr.) **(Ger)**
[Treatment of diffuse mastopathies with synthetic progestins] Balaeva GV. **Sov Med** 1986;(8):116–8 **(Rus)**

PROGESTERONE

Removal of steroid hormones from plasma by Millipore CX 10 immersible filters. Einer-Jensen N. **Acta Physiol Pol** 1986 Jul–Aug;37(4–5):235–9
[The intrauterine system with progesterone and synthetic progestational hormones] Levrier M. **Rev Fr Gynecol Obstet** 1986 Jun–Jul;81(6–7):347–9 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Comparison of serum progesterone levels in dogs after administration of progesterone by vaginal tablet and vaginal suppositories. Fulper LD, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):253–6
Nasal absorption of progesterone in women. Dalton ME, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):84–8
Intermittent infusion of progesterone potentiates whereas continuous infusion reduces amphetamine-stimulated dopamine release from ovariectomized estrogen-primed rat striatal fragments superfused in vitro. Dluzen DE, et al. **Brain Res** 1987 Mar 17;406(1–2):1–9
A comparative clinical trial of Copper T 220 C and Alza T IPCS 52 intrauterine devices in Thai women. Chompootaweep S, et al. **Contraception** 1986 May; 33(5):437–42
Serum progesterone levels following vaginal administration of progesterone during the luteal phase. Myers ER, et al. **Fertil Steril** 1987 Jan;47(1):71–5

Polysiloxane vaginal rings and cylinders for physiologic endometrial priming in functionally agonadal women. Simon JA, et al. **Fertil Steril** 1986 Oct;46(4):619–25

Bioavailability of nasally administered progesterone. Steege JF, et al. **Fertil Steril** 1986 Oct;46(4):727–9

Effects of different schedules of progesterone treatment on mammary tumorigenesis and uterine adenomyosis in SHN virgin mice. Nagasawa H, et al. **Life Sci** 1987 Jun 29; 40(26):2597–602

[Hormone therapy of infertility] Mori T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun; 39(6):1007–11 **(Jpn)**

[Use of a progesterone ointment in hirsutism] Tseraidis GS, et al. **Vestn Dermatol Venerol** 1986;(7):14–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Oral contraception and hormone replacement therapy: are progestogens and progestins breast mitogens? [letter] Vorherr H. **Am J Obstet Gynecol** 1986 Nov;155(5):1140–2

ANALOGS & DERIVATIVES

Actions of LH/hCG on accumulation and catabolism of progestins in cultured rat granulosa cells. Moon YS, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1025–31

Feedback effects of ovarian steroids on the hypothalamic–hypophyseal axis in the rabbit. Pau KY, et al. **Biol Reprod** 1986 Nov;35(4):1009–23

Steroidogenesis in adrenal tumor cells: influence of cell shape. Betz G, et al. **Endocrinology** 1987 Jun;120(6):2547–54

Selective suppression of follicle-stimulating hormone by 3 alpha–hydroxy–4–pregnen–20–one, a steroid found in Sertoli cells. Wiebe JP, et al. **Endocrinology** 1987 Jun; 120(6):2259–64

Influence of 20 alpha–dihydroprogesterone on progesterone output by human chorion explants. Powell WA, et al. **Gynecol Obstet Invest** 1986;22(2):73–8

Peripheral plasma concentrations of pregnenolone sulphate, pregnenolone, progesterone and 20 alpha–hydroxy–4–pregnen–3–one in ewes throughout the oestrous cycle. McKay SA, et al. **J Endocrinol** 1987 May; 113(2):231–7

Labor in humans: 1. Progesterone, 20 alpha–dihydro–progesterone, estrone and 17 beta–estradiol in near placental and most distant human amnion and chorion laeve in various stages of labor at term. Cinque B, et al. **J Endocrinol Invest** 1986 Dec;9(6):487–90

Drug permeation across the skin: effect of penetrant hydrophilicity. Tojo K, et al. **J Pharm Sci** 1987 Feb; 76(2):123–6

A simple procedure for enzyme labelling of progesterone derivatives: application of active esters formed using N,N'–disuccinimidyl carbonate. Sauer MJ, et al. **J Steroid Biochem** 1987 Jan;26(1):165–7

Endogenous digitalis: current status and progesterone derivatives as candidates. LaBella FS, et al. **Proc West Pharmacol Soc** 1987;30:365–71

Epimerization of 6–bromoprogesterone. Dang SQ. **Steroids** 1986 Jun;47(6):431–4

ANALYSIS

Changes in catecholamine contents in ovarian follicular theca, progesterone contents in granulosa, and LH concentrations in peripheral plasma during the ovulatory cycle in the hen. Chotesangasa R, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):229–34

Post–mortem stability of progesterone in rat brain. Bixo M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Sep; 94(5):297–303

Saliva oestriol, oestradiol, oestrone and progesterone levels in pregnancy: spontaneous labour at term is preceded by a rise in the saliva oestriol:progesterone ratio. Darne J, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):227–35

Oestradiol–17 beta and progesterone level changes in peritoneal fluid around the time of ovulation. Kruitwagen RF, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):548–53

Increased saliva oestriol to progesterone ratio before preterm delivery: a possible predictor for preterm labor? Darne J, et al. **Br Med J** 1987 Jan 31;294(6567):270–2

Level and distribution of progesterone in bovine milk: effects of mastitis and milk composition. Laitinen JT. **Br Vet J** 1986 Nov–Dec;142(6):562–8

The evaluation of a new rapid milk progesterone test as an aid to improving dairy herd fertility. Worsfold AI, et al. **Br Vet J** 1987 Jan–Feb;143(1):83–7

Milk progesterone concentrations following simultaneous administration of buserelin and cloprostenol in cattle with normal corpora lutea. White ME, et al. **Can J Vet Res** 1986 Apr;50(2):285–6

Comparison of follicular fluid hormones in patients with one or two ovaries participating in a program of in vitro fertilization. Alper MM, et al. **Fertil Steril** 1987 Jul; 48(1):94–7

Progesterone and estradiol in saliva after in vitro fertilization and embryo transfer. Cedard L, et al. **Fertil Steril** 1987 Feb;47(2):278–83

Protein, progesterone, and protease inhibitors in uterine and peritoneal fluids of women with endometriosis. Fazleabas AT, et al. **Fertil Steril** 1987 Feb;47(2):218–24

Diagnosis of luteinized unruptured follicle by ultrasound and steroid hormone assays in peritoneal fluid: a comparative study. Janssen–Caspers HA, et al. **Fertil Steril** 1986 Nov; 46(5):823–7

Seasonal plasma and intraovarian sex steroid profiles, and influence of temperature on gonadotropin stimulation of in vitro estradiol–17 beta and progesterone production, in Rana esculenta (Amphibia: Anura). Pierantoni R, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):163–8

Low profiles of salivary progesterone among college undergraduate women. Ellison PT, et al. **J Adolesc Health Care** 1987 Mar;8(2):204–7

Comparison of on–farm laboratory milk progesterone assays for identifying errors in detection of estrus and diagnosis of pregnancy. Nebel RL, et al. **J Dairy Sci** 1987 Jul; 70(7):1471–6

Characterization of particle–associated choriomammotrophin and progesterone in ovine placentomes. Rice GE, et al. **J Endocrinol** 1986 Nov;111(2):217–23

Transient increases in progesterone in daily and 2–hourly saliva specimens from adolescent girls. Truran PL, et al. **J Endocrinol** 1986 Dec;111(3):513–8

Labor in humans: 1. Progesterone, 20 alpha–dihydro–progesterone, estrone and 17 beta–estradiol in near placental and most distant human amnion and chorion laeve in various stages of labor at term. Cinque B, et al. **J Endocrinol Invest** 1986 Dec;9(6):487–90

Levels of oxytocin–like activity and progesterone in follicular fluid from in vitro fertilization cycles. Peek JC, et al. **J In Vitro Fert Embryo Transfer** 1987 Apr;4(2):103–6

Estrogen and progesterone receptor assays on the vulvar epithelium. Garau JM, et al. **J Reprod Med** 1986 Oct; 31(10):987–91

Determination of ovarian steroid hormone levels in saliva. An overview. Riad–Fahmy D, et al. **J Reprod Med** 1987 Apr;32(4):254–72

Active center–based immunoassay approach using bacterial luciferase. Baldwin TO, et al. **Methods Enzymol** 1986; 133:248–64

The effect of mastitis on milk progesterone concentration in dairy cows. Kassa T, et al. **Nord Vet Med** 1986 Nov–Dec; 38(6):352–9

Profiles of progesterone in milk and clinical ovarian findings in postpartum cows with ovarian dysfunctions. Kassa T, et al. **Nord Vet Med** 1986 Nov–Dec;38(6):360–9

Evaluation of an enzyme immunoassay kit for the qualitative assessment of progesterone in bovine milk samples. Davies J, et al. **Vet Rec** 1987 Feb 28;120(9):206–7

Oestrus prediction in dairy cows using an ELISA progesterone test. Eddy RG, et al. **Vet Rec** 1987 Jan 10; 120(2):31–4

Misuse of progesterone assay [letter] Murray RD. **Vet Rec** 1986 Oct 18;119(16):411

[What possibilities does the milk–progesterone test in dairy cattle offer in clinical practice?] Coppens ML, et al. **Tijdschr Diergeneeskd** 1987 May 1;112(9):519–30 (Eng. Abstr.) **(Dut)**

[Clinical importance of determining steroid hormone receptors in endometrial adenocarcinomas] Avdeev VI, et al. **Vopr Onkol** 1987;33(6):53–7 (Eng. Abstr.) **(Rus)**

[Role of natural feeding in providing newborn infants with progesterone] Pavliuk VP. **Vopr Pitan** 1987 Mar–Apr; (2):26–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Asolectin decreases progesterone inhibition of oocyte adenylate cyclase. Antonelli M, et al. **Biochem Int** 1986 Dec;13(6):961–7

Induction of menstruation by antiprogesterone ZK 98.299 in cycling bonnet monkeys. Puri CP, et al. **Contraception** 1987 Apr;35(4):409–21

Antiprogesterone effect and midcycle (periovulatory) contraception. Baulieu EE. **Eur J Obstet Gynecol Reprod Biol** 1975;4(5):161–6

Antiprogesterone activity of RU 486 and its contragestive and other applications. Baulieu EE, et al. **Hum Reprod** 1986 Feb;1(2):107–10

Blockade of the spontaneous midcycle gonadotropin surge in monkeys by RU 486: a progesterone antagonist or agonist? Collins RL, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1270–6

Inhibition of progesterone secretion by a 3 beta–hydroxysteroid dehydrogenase inhibitor in pregnant goats. Taylor MJ. **J Endocrinol** 1987 Jun;113(3):489–93

Effect of the antiprogesterone RU–38486 on meningioma implanted into nude mice. Olson JJ, et al. **J Neurosurg** 1987 Apr;66(4):584–7

Studies on the mechanisms of action of progesterone antagonists. Elger W, et al. **J Steroid Biochem** 1986 Nov; 25(5B):835–45

Effect of the antiprogestin RU–486 on progesterone inhibition of occupied nuclear estrogen receptor in the uterus. Okulicz WC. **J Steroid Biochem** 1987 Aug; 28(2):117–22

Antifertility actions of the progesterone antagonist RU 486 include direct inhibition of placental hormone secretion. Das C, et al. **Lancet** 1987 Sep 12;2(8559):599–601

Termination of early pregnancy by the progesterone antagonist RU 486 (Mifepristone). Couzinet B, et al. **N Engl J Med** 1986 Dec 18;315(25):1565–70

Progesterone antagonism: science and society [editorial] Crowley WF Jr. **N Engl J Med** 1986 Dec 18;315(25):1607–8

The progesterone antagonist RU 486. A potential new contraceptive agent [published erratum appears in N Engl J Med 1987 Feb 12;316(7):420] Nieman LK, et al. **N Engl J Med** 1987 Jan 22;316(4):187–91

BIOSYNTHESIS

Steroidogenesis and cAMP production in isolated avian granulosa cells during follicular maturation: lack of positive correlation. Asem EK, et al. **Acta Endocrinol (Copenh)** 1986 Oct;113(2):289–97

Effect of danazol on gonadotropin and cAMP stimulated progesterone synthesis in cultured human granulosa cells. Olsson JH, et al. **Acta Endocrinol (Copenh)** 1987 Aug; 115(4):551–7

Interaction of PGF2 alpha with prolactin on the release of cyclic AMP and progesterone from the isolated perfused ovary of the pregnant mare serum gonadotropin–treated rat. Sogn J, et al. **Acta Endocrinol (Copenh)** 1986 Nov; 113(3):410–7

Influence of oxygen tension and substrates on basal and luteinizing hormone stimulated progesterone production and energy metabolism by isolated corpora lutea of adult pseudopregnant rats. Gåfvels M, et al. **Acta Physiol Scand** 1987 Jul;130(3):475–82

Oxygen dependency of preovulatory follicles from pregnant mare serum gonadotropin–treated immature rats. Selstam G, et al. **Acta Physiol Scand** 1987 Jul;130(3):483–9

Progesterone synthesis by human amnion, chorion, and decidua at term. Mitchell BF, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):349–53

Comments on reports on hormone synthesis and regulation [letter] Conley A. **Am J Vet Res** 1986 Nov;47(11):2479

Role of protein kinase C in luteinizing hormone–releasing hormone (LHRH)–stimulated progesterone production in rat granulosa cells. Wang J, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):939–44

Steroid production in vitro by granulosa, theca, and luteal cells from goat ovaries. Band V, et al. **Biol Reprod** 1987 May;36(4):799–806

Microtubules and the calcium–dependent regulation of rat granulosa cell steroidogenesis. Carnegie JA, et al. **Biol Reprod** 1987 May;36(4):1007–15

Evidence for the preferential utilization of esterified cholesterol in progesterone production by rabbit corpora lutea. Miller JB, et al. **Biol Reprod** 1987 Apr;36(3):729–39

Involvement of lipoxygenase products of arachidonic acid metabolism in bovine luteal function. Milvae RA, et al. **Biol Reprod** 1986 Dec;35(5):1210–5

Interactive roles of progesterone, prostaglandins, and collagenase in the ovulatory mechanism of the ewe. Murdoch WJ, et al. **Biol Reprod** 1986 Dec;35(5):1187–94

Cholesterol mediation of progesterone production and oocyte maturation in cultured amphibian (Rana pipiens) ovarian follicles. Petrino T, et al. **Biol Reprod** 1987 Jun; 36(5):1219–28

Ovarian steroidogenesis during follicular maturation in the domestic fowl (Gallus domesticus). Robinson FE, et al. **Biol Reprod** 1986 Dec;35(5):1096–105

The influence of prostaglandin E2 and indomethacin on progesterone production and ovulation in the rabbit ovary perfused in vitro. Schmidt G, et al. **Biol Reprod** 1986 Nov; 35(4):815–21

The effect of ovarian steroidogenesis on ovulation and fertilizability in the in vitro perfused rabbit ovary. Yoshimura Y, et al. **Biol Reprod** 1986 Nov;35(4):943–8

Effect of ovine conceptus and endometrial secretory products on luteal progesterone production in vitro. Beckner DW, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1556–60

Diminished steroidogenic response of hamster granulosa cells to estrogen in vitro. Hutz RJ, et al. **Cell Tissue Res** 1987 Jun;248(3):531–4

The effects of ionophores on steroidogenesis and morphology of avian granulosa cells. Zobell RL, et al. **Cell Tissue Res** 1987 Jun;248(3):551–8

Effect of the antiprogestin RU486 on progesterone production by cultured human granulosa cells: inhibition of the ovarian 3B–hydroxysteroid dehydrogenase. Dimattina M, et al. **Contraception** 1986 Aug;34(2):199–206

The mechanisms by which phorbol ester inhibits LH stimulation of progesterone production in rat granulosa cells. Kawai Y, et al. **Endocr Res** 1986;12(3):211–28

Microsomal 20 alpha–hydroxysteroid dehydrogenase activity for progesterone in human placenta. Fukuda T, et al. **Endocrinol Jpn** 1986 Jun;33(3):361–8

Lack of difference between retinoic acid and retinol in stimulating progesterone production by luteinizing granulosa cells in vitro. Bagavandoss P, et al. **Endocrinology** 1987 Jul;121(1):420–8

Microtubules and the gonadotropic regulation of granulosa cell steroidogenesis. Carnegie JA, et al. **Endocrinology** 1987 Feb;120(2):819–28

Constitutive steroidogenesis in the R2C Leydig tumor cell line is maintained by the adenosine 3',5'–cyclic monophosphate–independent production of a cycloheximide–sensitive factor that enhances mitochondrial pregnenolone biosynthesis. Freeman DA. **Endocrinology** 1987 Jan;120(1):124–32

2–Hydroxyestradiol modulates a facilitative action of catecholamines on porcine granulosa cells. Spicer LJ, et al. **Endocrinology** 1987 Jun;120(6):2375–82

The insulin–like growth factor, somatomedin–C, modulates low density lipoprotein metabolism by swine granulosa cells. Veldhuis JD, et al. **Endocrinology** 1987 Jul; 121(1):340–6

Effect of hCG on protein synthesis and progesterone production in the bovine luteal cells. Kumar A, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):1–6

Role of calcium in luteinizing hormone–induced progesterone and cyclic AMP production in granulosa cells of the hen (Gallus domesticus). Asem EK, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):120–8

Trifluoperazine inhibits progesterone and cyclic AMP production in granulosa cells of the hen (Gallus domesticus). Asem EK, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):107–11

Effects of avian and mammalian serum on steroidogenesis in granulosa cells of the hen (Gallus domesticus). Nduka E, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):369–73

Protein synthesis and steroidogenesis in amphibian (Rana pipiens) ovarian follicles: studies on the conversion of pregnenolone to progesterone. Petrino TR, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):441–50

Ontogenetic steroidogenesis by testes, ovary, and adrenals of embryonic and postembryonic chickens (Gallus domesticus). Tanabe Y, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):456–63

Effects of steroids on progesterone output by explants of human chorion. Powell WA, et al. **Gynecol Obstet Invest** 1986;22(2):64–72

High- and low-density lipoproteins stimulate progesterone production in cultured human granulosa cells. Enk L, et al. **Hum Reprod** 1987 May;2(4):291–5

Human chorion cells respond to growth factors but lose steroidogenic capacity in primary monolayer cell culture. Ferguson KA, et al. **In Vitro Cell Dev Biol** 1986 Jun; 22(6):320–4

In vitro synthesis of progesterone. Armstrong DT. **J Anim Sci** 1968;27 Suppl 1:181–213 (78 ref.)

Effect of prostaglandin F2 alpha–induced luteolysis on in vivo and in vitro progesterone production by individual placentomes of cows. Conley AJ, et al. **J Anim Sci** 1987 Aug;65(2):500–7

Comparison of induced corpora lutea from prepuberal gilts and spontaneous corpora lutea from mature gilts: in vitro progesterone production. Kineman RD, et al. **J Anim Sci** 1987 Feb;64(2):526–32

Ovarian follicular populations and in vitro steroidogenesis on three different days of the bovine estrous cycle. Skyer DM, et al. **J Anim Sci** 1987 Jun;64(6):1710–6

Estrogen and progesterone production by granulosa cell monolayers derived from in vitro fertilization procedures: lack of evidence for modulation by androgen. Bernhisel MA, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1251–6

Met-enkephalin enhances follicle-stimulating hormone-dependent progesterone production from cultured granulosa cells. Facchinetti F, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1222–4

The roles of Ca2+ and adenosine 3',5'-monophosphate in the regulation of progesterone production by human placental tissue. Kasugai M, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):122–6

High density lipoprotein and low density lipoprotein utilization by human granulosa cells for progesterone synthesis in serum–free culture: respective contributions of free and esterified cholesterol. Parinaud J, et al. **J Clin Endocrinoi Metab** 1987 Mar;64(3):409–17

Prostaglandin F2 alpha–induced functional luteolysis: interactions of LH, prostaglandin F2 alpha and forskolin in cyclic AMP and progesterone synthesis in isolated rat luteal cells. Kenny N, et al. **J Endocrinol** 1986 Dec; 111(3):415–23

Calcium effects on progesterone accumulation and oocyte maturation in cultured follicles of Rana pipiens. Francisco SK, et al. **J Exp Zool** 1986 Nov;240(2):265–73

A role for alternative pathway catecholamines in the regulation of steroidogenesis in cow luteal cells. Battista PJ, et al. **J Reprod Fertil** 1986 Sep;78(1):275–80

Stimulation with LH of progesterone production by rabbit corpora lutea in vitro. Damle S, et al. **J Reprod Fertil** 1987 Mar;79(2):431–6

Progesterone production, LH receptors, and oxytocin secretion by ovine luteal cell types on days 6, 10 and 15 of the oestrous cycle and day 25 of pregnancy. Harrison LM, et al. **J Reprod Fertil** 1987 Mar;79(2):539–48

Persistent progesterone production associated with autoimmune oophoritis. A case report. Friedman CI, et al. **J Reprod Med** 1987 Apr;32(4):293–6

Inhibition by hydroxymalonate of malate dependent biosynthesis of progesterone in the mitochondrial fraction of human term placenta. Klimek J, et al. **J Steroid Biochem** 1987 Jan;26(1):161–3

Biosynthesis of (20S)-20 alpha-reduced steroids simultaneously with corticosteroids in primary cultures of newborn rat adrenocortical cells stimulated by ACTH. Millot C, et al. **J Steroid Biochem** 1987 May;26(5):599–607

Site of gossypol inhibition of steroidogenesis in purified mouse Leydig cells. Pearce S, et al. **J Steroid Biochem** 1986 Nov;25(5A):683–7

Mechanisms involved in the action of serotonin–induced stimulation of progesterone production by bovine luteal cells in vitro. Battista PJ, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):145–51

Phorbol ester stimulates human granulosa–luteal cell cyclic adenosine 3', 5'-monophosphate and progesterone production. Jalkanen J, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):273–6

Isolation, properties and role in progesterone biosynthesis of cytosolic malic enzyme from human term placenta. Swierczynski J, et al. **Placenta** 1987 Mar–Apr;8(2):175–84

Evidence for the existence of a luteal cell type that is steroidogenic and releases relaxin. Taylor MJ, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):469–73

In vitro action of PG F2 alpha on progesterone and cAMP synthesis in small bovine luteal cells. Benhaïm A, et al. **Prostaglandins** 1987 Feb;33(2):227–39

Progestin regulation of progesterone biosynthetic enzymes in cultured rat granulosa cells. Ruiz de Galarreta CM, et al. **Steroids** 1985 Dec;46(6):987–1002

[Ability of human corpus luteum to produce prostaglandins and their effects on progesterone production of human corpus luteum] Endoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1149–50 **(Jpn)**

[Evaluation of the morphology and progesterone production in long-term cultures of granulosa cells obtained from human preovulatory graafian follicles stimulated with clomiphene and chorionic gonadotropin] Skrzypczak J. **Ginekol Pol** 1986 Apr;57(4):241–7 (Eng. Abstr.) **(Pol)**

BLOOD

Effects of high-dose ketoconazole and dexamethasone on ACTH-stimulated adrenal steroidogenesis in orchiectomized prostatic cancer patients. De Coster R, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):265–71

Corpus luteum function after tubal sterilization using endothermic coagulation. Helm G, et al. **Acta Obstet Gynecol Scand** 1986;65(7):741–4

Sequential hormone measurements after first trimester abortion in normal Nigerian women. Osotimehin B, et al. **Adv Contracept** 1985 Mar;1(1):83–90

Plasma progesterone concentration in women with and without adenocarcinoma of the endometrium. Bond AP, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):437–40

Estrogen, progesterone, prolactin, prostaglandin E2, prostaglandin F2 alpha, 13,14-dihydro-15-keto-prostaglandin F2 alpha, and 6-keto-prostaglandin F1 alpha gradients across the uterus in women in labor and not in labor. Davidson BJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):54–8

Luteal function in ectopic pregnancy. Hubinont CJ, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):669–74

Hormones and cervical ripening: dehydroepiandrosterone sulfate, estradiol, estriol, and progesterone. Zuidema LJ, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1252–4

Ketoconazole–induced changes in selected canine hormone concentrations. Willard MD, et al. **Am J Vet Res** 1986 Dec;47(12):2504–9

Estrogen–induced transcortin increase and progesterone and cortisol interactions: implications from pregnancy studies. Evans JJ, et al. **Ann Clin Lab Sci** 1987 Mar–Apr;17(2):101–5

The effect of pericervical PGE2 instillation on levels of maternal serum 13,14-dihydro-15-keto-PGF2 alpha and progesterone. Grünberger W, et al. **Arch Gynecol** 1986; 239(2):93–9

Trends of oestriol and progesterone in normal pregnancies. Evans JJ, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec; 12(4):529–31

Serum levels of norethisterone, estradiol and progesterone after administration of norethisterone oenanthate at different sites: a cross–over study. Virutamasen P, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):49–53

Effects of tioconazole on parturition and serum levels of 17 beta–oestradiol, progesterone, LH and PRL in the rat. Latrille F, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1119–24

Plasma steroid hormones in relation to behavioral sex role reversal in the spotted sandpiper, Actitis macularia. Fivizzani AJ, et al. **Biol Reprod** 1986 Dec;35(5):1195–201

Influence of dietary-induced weight changes on serum luteinizing hormone, estrogen and progesterone in the bovine female. Imakawa K, et al. **Biol Reprod** 1986 Sep; 35(2):377–84

Pulsatile administration of gonadotropin–releasing hormone advances ovulation in cycling mares. Johnson AL. **Biol Reprod** 1986 Dec;35(5):1123–30

The relation of ovarian steroid levels in young female rats to subsequent estrous cyclicity and reproductive function during aging. Lapolt PS, et al. **Biol Reprod** 1986 Dec; 35(5):1131–9

Relationships between ovarian morphology, vaginal cytology, serum progesterone, and urinary immunoreactive pregnanediol during the menstrual cycle of the cynomolgus monkey. Mehta RR, et al. **Biol Reprod** 1986 Nov; 35(4):981–6

Behavioural and ovarian changes during the oestrous cycle in the Boran (Bos indicus). Llewelyn CA, et al. **Br Vet J** 1987 Jan–Feb;143(1):75–82

Plasma oestrone sulphate and progesterone concentrations in cows and ewes associated with fetal death and abortion. Mohamed AR, et al. **Br Vet J** 1987 May–Jun;143(3):238–45

Investigations into the blood plasma profiles of electrolytes, 17 beta–oestradiol and progesterone in sheep suffering from vaginal inversion and prolapse ante partum. Sobiraj A, et al. **Br Vet J** 1986 May–Jun;142(3):218–23

Peripheral plasma levels of progesterone in Nigerian Zebu cows following synchronization of oestrus with prostaglandin F2 alpha analogue (Dinoprost tromethamine). Voh AA Jr, et al. **Br Vet J** 1987 May–Jun; 143(3):254–63

The effect of endogenous estrogen fluctuation on metabolism of 25-hydroxyvitamin D. Buchanan JR, et al. **Calcif Tissue Int** 1986 Sep;39(3):139–44

Effect of time of exposure of serum to gel–barrier tubes on results for progesterone and some other endocrine tests [letter] Hilborn S, et al. **Clin Chem** 1987 Jan;33(1):203–4

Monoclonal antibodies used in solid-phase and liquid-phase assays, as exemplified by progesterone assay. Schramm W, et al. **Clin Chem** 1987 Aug;33(8):1331–7

An enzyme–linked immunosorbent assay (ELISA) for plasma progesterone: immobilised antigen approach. Elder PA, et al. **Clin Chim Acta** 1987 Jan 30;162(2):199–206

Cyclical gonadotrophin and progesterone secretion in women with minimal endometriosis. Williams CA, et al. **Clin Reprod Fertil** 1986 Aug;4(4):259–68

Effects of furazolidone on some reproductive hormones during oestrous cycle in the goat. Hassan T, et al. **Comp Biochem Physiol [C]** 1986;85(2):255–7

Changes in free progesterone in the serum, peritoneal fluid and follicular fluid through the menstrual cycle and pregnancy. Shintani K, et al. **Endocrinol Jpn** 1987 Apr; 34(2):221–30

The relationship between declining plasma progesterone levels and increasing luteinizing hormone pulse frequency in late gestation in the rat. Devorshak-Harvey E, et al. **Endocrinology** 1987 Apr;120(4):1597–601

The efficacy of biochemical assays in assessing an IUGR risk–group, preselected with ultrasound fetometry. Laurin J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar; 24(3):177–87

Changes in peripheral hormone levels after therapeutic abortion. Saunders DM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):1–4

Follicular growth in relation to serum hormonal patterns in adolescent compared with adult menstrual cycles. Apter D, et al. **Fertil Steril** 1987 Jan;47(1):82–8

Luteal phase dysfunction in endometriosis: elevated progesterone levels in peripheral and ovarian veins during the follicular phase. Ayers JW, et al. **Fertil Steril** 1987 Jun; 47(6):925–9

Serum progesterone levels in women treated with human menopausal gonadotropin and human chorionic gonadotropin for in vitro fertilization. Huang KE, et al. **Fertil Steril** 1986 Nov;46(5):903–6

Diurnal variations in midluteal serum progesterone measurements. Syrop CH, et al. **Fertil Steril** 1987 Jan; 47(1):67–70

Endocrine changes in the late–follicular and postovulatory intervals as determinants of the in vitro fertilization pregnancy rate. Zarutskie PW, et al. **Fertil Steril** 1987 Jan; 47(1):137–43

Sex steroid hormones in natural populations of a sexual whiptail lizard Cnemidophorus inornatus, a direct evolutionary ancestor of a unisexual parthenogen. Moore MC, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):424–30

Plasma steroid hormone levels of female red–sided garter snakes, Thamnophis sirtalis parietalis: relationship to mating and gestation. Whittier JM, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):33–43

Plasma progesterone and androstenedione in relation to changes in tumor volume and recurrence in women with ovarian carcinoma. Mählck CG, et al. **Gynecol Obstet Invest** 1986;22(3):157–64

Progesterone and LH variations after LH–RH administration in the luteal phase of the menstrual cycle. Caruso A, et al. **Horm Res** 1986;24(1):18–25

Steroid profiles during cycles with HCG stimulation of luteal function during in–vitro fertilization cycles. Blacker C, et al. **Hum Reprod** 1986 Feb;1(2):69–73

Establishing early pregnancy levels of serum progesterone in functionally agonadal women using polysiloxane vaginal rings and cylinders. Sauer MV, et al. **Hum Reprod** 1987 May;2(4):287–9

Pregnancy rate in relation to number of cleaved eggs replaced after in–vitro fertilization in stimulated cycles monitored by serum levels of oestradiol and progesterone as sole index. Wramsby H, et al. **Hum Reprod** 1987 May; 2(4):325–8

Cytoplasmic and nuclear progesterone receptors in human fallopian tube and their relationship to plasma steroids during the menstrual cycle. Helm G, et al. **Int J Fertil** 1987 Mar–Apr;32(2):162–6

Serum ovarian steroids, prolactin and prostaglandin metabolites in women using the inert intrauterine device. Shalev E, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):139–44

Study on the influence of etretinate on biologic activity of oral contraceptives [letter] Berbis P, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):302–3

Factors contributing to early embryonic mortality in gilts bred at first estrus. Archibong AE, et al. **J Anim Sci** 1987 Feb;64(2):474–8

Effects of prepartum energy intake on steroids during late gestation and on cow and calf performance. Boyd GW, et al. **J Anim Sci** 1987 Jun;64(6):1703–9

Endocrinology of the postpartum period in the Pelibuey ewe. Gonzalez A, et al. **J Anim Sci** 1987 Jun;64(6):1717–24

Effect of altrenogest and Lutalyse on parturition control, plasma progesterone, unconjugated estrogen and 13,14-dihydro-15-keto-prostaglandin F2 alpha in sows. Guthrie HD, et al. **J Anim Sci** 1987 Jul;65(1):203–11

Influence of insulin and energy intake on ovulation rate, luteinizing hormone and progesterone in beef heifers. Harrison LM, et al. **J Anim Sci** 1986 Oct;63(4):1228–35

Passive immunization of cyclic mares against androgen: gonadotropin and progesterone concentrations and estrous characteristics. Thompson DL Jr, et al. **J Anim Sci** 1987 Mar;64(3):797–804

Increased HVR in pregnancy: relationship to hormonal and metabolic changes. Moore LG, et al. **J Appl Physiol** 1987 Jan;62(1):158–63

Chromatography of progesterone and its major metabolites in rat plasma using microbore high-performance liquid chromatography columns with conventional injection and detection systems. Taylor RB, et al. **J Chromatogr** 1987 Jan 9;385:383–92

Estradiol, estriol, progesterone, prolactin, and human chorionic gonadotropin in pregnant women with alcohol abuse. Halmesmäki E, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):153–6

The effects of hyperinsulinemia on serum testosterone, progesterone, dehydroepiandrosterone sulfate, and cortisol levels in normal women and in a woman with hyperandrogenism, insulin resistance, and acanthosis nigricans. Nestler JE, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):180–4

Effect of an inhibitor of 3 beta-hydroxysteroid dehydrogenase on progesterone concentrations and embryo survival in sheep. Ashworth CJ, et al. **J Endocrinol** 1987 Feb;112(2):205–13

Diurnal progesterone rhythms in the female mouse. Bailey KJ. **J Endocrinol** 1987 Jan;112(1):15–21

Effect of pulsatile infusion of gonadotropin-releasing hormone on plasma oestradiol-17 beta concentrations and follicular development during naturally and artificially maintained high levels of plasma progesterone in heifers. Glencross RG. **J Endocrinol** 1987 Jan;112(1):77–85

Peripheral plasma concentrations of pregnenolone sulphate, pregnenolone, progesterone and 20 alpha-hydroxy-4-pregnen-3-one in ewes throughout the oestrous cycle. McKay SA, et al. **J Endocrinol** 1987 May; 113(2):231–7

Concentrations of progesterone and oestradiol-17 beta after administration of a 3 beta-hydroxysteroid dehydrogenase inhibitor to sheep in late pregnancy. Taylor MJ. **J Endocrinol** 1987 Apr;113(1):97–101

An interlaboratory study of lipid effects on steroid radioimmunoassay. Bolelli GF, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):209–13

Relationship between progesterone suppression and pregnancy in rats. Carnathan GW, et al. **J Pharm Pharmacol** 1987 May;39(5):401–4

Changes in progesterone concentrations in the Japanese long-fingered bat, Miniopterus schreibersii fuliginosus. Kimura K, et al. **J Reprod Fertil** 1987 May;80(1):59–63

Effect of photoperiod, injection of pentobarbitone sodium or lesion of the suprachiasmatic nucleus on pre-partum decrease of blood progesterone concentrations or time of birth in the rat. Murakami N, et al. **J Reprod Fertil** 1987 Mar;79(2):325–33

Overfeeding during early pregnancy reduces peripheral progesterone concentration and pregnancy rate in sheep. Parr RA, et al. **J Reprod Fertil** 1987 May;80(1):317–20

Influence of the fetal pituitary-adrenal axis on fetal and maternal progesterone and unconjugated oestrogen concentrations in the pig. Randall GC, et al. **J Reprod Fertil** 1986 Sep;78(1):65–72

Urogenital vasculature and local steroid concentrations in the uterine branch of the ovarian vein of the female tammar wallaby (Macropus eugenii). Towers PA, et al. **J Reprod Fertil** 1986 Sep;78(1):37–47

Effect of cold and hot ambient temperatures on plasma progesterone concentrations in ewes with intact and denervated ovaries containing experimentally maintained corpora lutea. Wheeler AG, et al. **J Reprod Fertil** 1986 Nov;78(2):353–60

A sensitive bridge heterologous enzyme immunoassay of progesterone using geometrical isomers. Mitsuma M, et al. **J Steroid Biochem** 1987 Jul;28(1):83–8

Radioimmunoassay of plasma progesterone after oral administration of micronized progesterone. Nahoul K, et al. **J Steroid Biochem** 1987 Feb;26(2):241–9

Plasma binding of oestradiol in progesterone-treated rats. Shaw MA, et al. **J Steroid Biochem** 1987 Feb;26(2):297–9

The determination of serum estradiol, testosterone and progesterone in acute myocardial infarction. Aksüt SV, et al. **Jpn Heart J** 1986 Nov;27(6):825–37

Endometrium and plasma hormone profile in the peri-menopause and post-menopause. Trévoux R, et al. **Maturitas** 1986 Dec;8(4):309–26

Relationship between ovarian follicles and peripheral levels of sex steroid hormones during early midpregnancy in cows. Rayos AA, et al. **Nippon Juigaku Zasshi** 1986 Dec; 48(6):1147–52

Resumption of ovulation after ectopic pregnancy. Spirtos NM, et al. **Obstet Gynecol** 1987 Jun;69(6):933–5

The effect of prostaglandin F2 alpha administration on progesterone after hysterectomy of guinea-pigs. Evans JJ. **Prostaglandins** 1987 Apr;33(4):561–6

Maternal serum levels of estradiol, progesterone and human chorionic gonadotropin in ectopic pregnancy and their correlation with endometrial histologic findings. Guillaume J, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):9–12

Evaluation of an enzyme immunoassay for the qualitative assessment of progesterone in bovine blood. Davies J, et al. **Vet Rec** 1987 Mar 14;120(11):257–8

The use of a bovine plasma progesterone ELISA kit to measure progesterone in equine, ovine and canine plasmas. Eckersall PD, et al. **Vet Rec** 1987 Jan 3;120(1):5–8

Assessment of pregnancy in sheep by analysis of plasma progesterone using an amplified enzyme immunoassay technique. McPhee IM, et al. **Vet Rec** 1987 Jul 18; 121(3):63–5

Seasonal variations in semen quality of bulls: correlations with environmental temperature. Parkinson TJ. **Vet Rec** 1987 May 15;120(20):479–82

Seasonal variation of the ovarian function in unmated sows revealed by the measurement of progesterone and 17 beta-oestradiol in peripheral bloodplasma. Claus R, et al. **Zentralbl Veterinarmed [A]** 1987 May;34(5):344–52

[Studies on the effect of anordrin on blastocyst transfer implantation in rabbits] Chen HL, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):545–9 (Eng. Abstr.) **(Chi)**

[Effects of 15-methyl-prostaglandin F2 alpha on uterine contraction and plasma progesterone] Liu CG, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):539–44 (Eng. Abstr.) **(Chi)**

[Comparative study on the bioavailability of progesterone by radioimmunoassay after vaginal and intramuscular administration] Xie XH, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):872–4 (Eng. Abstr.) **(Chi)**

[Hormone findings in women with gonadal dysgenesis] Kobilková J, et al. **Cesk Gynekol** 1987 Mar;52(2):110–5 (Eng. Abstr.) **(Cze)**

[Treatment of mastopathies with cyclic mastodynia. Clinical results and hormonal profiles] Kubista E, et al. **Rev Fr Gynecol Obstet** 1987 Apr;82(4):221–7 (Eng. Abstr.) **(Fre)**

[Steroid hormone profile in the afterbirth expulsion period of cattle] Heuwieser W, et al. **DTW** 1987 May 7;94(5):311–4 (Eng. Abstr.) **(Ger)**

[The corpus luteum in the ultrasound image and its endocrine function] Deichert U, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):308–15 (Eng. Abstr.) **(Ger)**

[Milk progesterone test: instrument for fertility management in cattle] Holtz W, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):321–36 (Eng. Abstr.) **(Ger)**

[Radioimmunoassay levels of plasma 17-estradiol, progesterone and testosterone in the preovulatory phase under basal conditions and after treatment with prostaglandin analogs] Melloni GF, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):939–45 (Eng. Abstr.) **(Ita)**

[Dynamic changes and roles of steroid hormones in the perinatal period] Tazaki K. **Igaku Kenkyu** 1986 Dec; 56(3):121–8 (Eng. Abstr.) **(Jpn)**

[Hormonal changes during continuous exercise in athletic women] Mesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):63–9 (Eng. Abstr.) **(Jpn)**

[Hormonal function of the feto-placental system in different heart disease in pregnant women] Gaistruk AN, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):47–9 (Eng. Abstr.) **(Rus)**

[Hormonal function of the feto-placental system in iron-deficiency anemia in pregnant women] Gaistruk AN, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):41–3 (Eng. Abstr.) **(Rus)**

[Qualitative characteristics of Soviet kits for the radioimmunological determination of cortisol and progesterone in human blood serum] Surikov PM, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):60–5 (Eng. Abstr.) **(Rus)**

[Progesterone concentration of the plasma of newborn infants] Nabukhotnyĭ TK, et al. **Pediatriia** 1986 Nov; (11):77–8 **(Rus)**

DEFICIENCY

Epimerization of 6-bromoprogesterone. Dang SQ. **Steroids** 1986 Jun;47(6):431–4

DIAGNOSTIC USE

[Relation between hormonal induction of enzymes regulating glycolysis and convulsive activity in the brain] Nazarian KB, et al. **Zh Nevropatol Psikhiatr** 1987;87(6):870–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Monoclonal BALB/c anti-progesterone antibodies use family IX variable region heavy chain genes. Deverson E, et al. **Eur J Immunol** 1987 Jan;17(1):9–13

Improved production of high-affinity antisera to progesterone by castration and adrenalectomy of the immunised animals. Al-Azawie DM, et al. **J Immunol Methods** 1987 Feb 26;97(1):87–91

Crystallization and preliminary crystallographic data for an antiprogesterone monoclonal antibody Fab' and steroid-Fab' complexes. Stura EA, et al. **J Mol Biol** 1987 Jan 5;193(1):229–31

METABOLISM

Cytochemical demonstration of steroid binding in human ovarian carcinoma and thecofibroma. A preliminary report. Kullander S, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):431–3

Comparison between pre- and postovulatory distributions of oestradiol and progesterone in the brain of the PMSG-treated rat. Bixo M, et al. **Acta Physiol Scand** 1986 Oct;128(2):241–6

Luteal and plasma progesterone levels in heifers and late postpartum cows. Stupnicki R, et al. **Acta Vet Hung** 1986; 34(3–4):257–61

Ovarian stromal and luteal tissue prostaglandins, 17 beta-estradiol, and progesterone in relation to the phases of the menstrual cycle in women. Vijayakumar R, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):947–51

Effect of plasma concentrations of ovarian steroids on their passage into uterine lumen in rabbits. Eiler H. **Am J Physiol** 1986 Dec;251(6 Pt 1):E654–9

Effect of electroejaculation on progesterone and cortisol excretion in bovine semen. Eiler H, et al. **Am J Vet Res** 1987 Mar;48(3):492–5

Interaction of carbon tetrachloride and progesterone metabolism in liver microsomes from triacetyloleandomycin-treated rats. Larroque C, et al. **Arch Toxicol** 1987;60(1–3):122–3

Time-dependent effects of follicle-stimulating hormone on progesterone metabolism by cultured rat granulosa cells. Moon YS, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):67–73

Actions of LH/hCG on accumulation and catabolism of progestins in cultured rat granulosa cells. Moon YS, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1025–31

The role of prolactin and progesterone in the regulation of lipogenesis in maternal and foetal rat liver in vivo and in isolated hepatocytes during the last day of gestation. Lorenzo M, et al. **Biochem J** 1986 Oct 1;239(1):135–9

Immunologically distinct binding molecules for progesterone and RU38486 in the chick oviduct cytosol. Eliezer N, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):34–9

Evidence for separate binding sites for progesterone and RU486 in the chick oviduct. Moudgil VK, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):192–9

Uterine progesterone metabolism during early pseudopregnancy in the rat. Redmond AF, et al. **Biol Reprod** 1986 Nov;35(4):949–55

Metabolism of progesterone by preimplantation mouse blastocysts in culture. Wu JT. **Biol Reprod** 1987 Apr; 36(3):549–56

An immunohistochemical study of steroid binding by endometrial glandular epithelial cells throughout the menstrual cycle. Sivridis E, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):687–91

Ovine fetal adrenal maturation at term and during fetal ACTH administration: evidence that the modulating effect of cortisol may involve cAMP. Challis JR, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1085–90

The effects of gestational age and intrafetal ACTH administration on the concentration of progesterone in the fetal membranes, endometrium, and myometrium of pregnant sheep. Power SG, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):136–40

Progesterone in saliva [letter] Read GF, et al. **Clin Chem** 1986 Oct;32(10):1997–8

Progesterone fate in rabbit cornea. Navarro-Ruiz A, et al. **Comp Biochem Physiol [B]** 1987;86(3):607–11

Effect of exogenous hormones on estrogen and progesterone release from cultured rat granulosa cells from various stages of estrous cycle. Madej E. **Endocrinol Exp (Bratisl)** 1986 Dec;20(4):393–400

Nuclear acceptor sites for progesterone-receptor complexes in rat placenta. Ogle TF. **Endocrinology** 1987 Jul; 121(1):28–35

Production of testosterone from progesterone by rat testicular microsomes without release of the intermediates 17 alpha-hydroxyprogesterone and androstenedione. Eckstein B, et al. **Eur J Biochem** 1987 Jul 15;166(2):425–9

Steroidal binding sites in the ampulla of the human fallopian tube—autoradiographic and biochemical study. Lindenbaum ES, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar;24(3):201–9

Production of sexual steroids in rats during pre- and early postnatal life. Csernus V. **Exp Clin Endocrinol** 1986 Nov; 88(1):1–5

Progesterone and 5 alpha-pregnane-3,20-dione in human amniotic fluid. Jarczok T, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):39–47

Ovarian steroidogenesis in vitro during the first month posthatching in the domestic chick: gonadotropin responsiveness and [3H]progesterone metabolism. Marrone BL. **Gen Comp Endocrinol** 1986 Apr;62(1):62–9

Influence of 20 alpha-dihydroprogesterone on progesterone output by human chorion explants. Powell WA, et al. **Gynecol Obstet Invest** 1986;22(2):73–8

Depressed progesterone accumulation by the brain and peripheral tissues of diabetic C57BL/KsJ mice: normalization by estrogen therapy. Garris DR. **Horm Res** 1987;25(1):37–48

Salivary progesterone and luteal function in two low-fertility populations of Northeast Zaire. Ellison PT, et al. **Hum Biol** 1986 Aug;58(4):473–83

Effect of the progesterone-inducible proteins human lactoferrin and chicken avidin on lymphocyte proliferation. Ashorn RG, et al. **Hum Reprod** 1986 Apr;1(3):149–51

Localization of glycogen in the vaginal smear in determination of cytohormonal pattern of breast tumours. Sen U, et al. **Indian J Med Res** 1986 Nov;84:552–7

Quantification of progesterone binding in mammary tissue of pregnant ewes. Smith JJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1178–85

Protein synthesis involvement in regulating pituitary–induced progesterone levels in ovarian follicles of Rana pipiens [published erratum appears in J Exp Zool 1987 Mar;241(3):393] Petrino TR, et al. **J Exp Zool** 1986 Sep; 239(3):411–21

Progesterone metabolism by rat oral mucosa. III. Participation of granulation tissue and fibroblasts. Ojanotko–Harri A, et al. **J Periodont Res** 1987 Jan; 22(1):37–40

Effect of penetration enhancers on the permeation of mannitol, hydrocortisone and progesterone through human skin. Barry BW, et al. **J Pharm Pharmacol** 1987 Jul; 39(7):535–46

Bioavailability of progesterone with different modes of administration. Chakmakjian ZH, et al. **J Reprod Med** 1987 Jun;32(6):443–8

Progesterone metabolism in T47Dco human breast cancer cells—I. 5 alpha–pregnan–3 beta,6 alpha–diol–20–one is the secreted product. Fennessey PV, et al. **J Steroid Biochem** 1986 Nov;25(5A):641–8

Progesterone metabolism in T47Dco human breast cancer cells—II. Intracellular metabolic path of progesterone and synthetic progestins. Horwitz KB, et al. **J Steroid Biochem** 1986 Dec;25(6):911–6

Peroxidase–antiperoxidase staining for estrogen and progesterone in scirrhous type of gastric cancer: possible existence of the estrogen receptor. Uehara Y, et al. **Jpn J Surg** 1986 Jul;16(4):245–9

Histamine stimulates progesterone synthesis and cyclic adenosine 3',5'–monophosphate accumulation in isolated preovulatory rat follicles. Schmidt G, et al. **Neuroendocrinology** 1987 Jun;46(1):69–74

Compartmental ovarian steroidogenesis in polycystic ovary syndrome. Haney AF, et al. **Obstet Gynecol** 1986 Nov; 68(5):638–44

Nuclease resistance and the enrichment of native nuclear acceptor sites for the avian oviduct progesterone receptor. Hora J, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8839–43

On the stability of salivary progesterone under various conditions of storage. Banerjee S, et al. **Steroids** 1985 Dec; 46(6):967–74

Contribution of exogenous progesterone to human adrenal cortisol synthesis in vitro: a comparison of early gestation fetal and adult tissues. Branchaud CL, et al. **Steroids** 1986 Apr–May;47(4–5):269–85

Intraspecies individuality for the metabolism of steroids. Johnson EF, et al. **Xenobiotica** 1987 Mar;17(3):275–85

PHARMACODYNAMICS

Effect of naloxone on the development of the positive feed–back action of oestrogen–progesterone on LH secretion in rats. Faigón MR, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):16–20

Initiation and control of ovulation in the mouse luteal phases. Effects of oestrogen, progesterone and prolactin. Gidley–Baird AA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):582–7

Sex steroid hormones and adipose tissue metabolism in ovariectomized and adrenalectomized rats. Rebuffé–Scrive M. **Acta Physiol Scand** 1987 Apr;129(4):471–7

Influence of steroid hormones on the growth fraction of human breast carcinomas. Jones B, et al. **Am J Clin Pathol** 1987 Aug;88(2):132–8

Enhancement of colonization of Ureaplasma urealyticum in the mouse genital tract by estrogen treatment. Iwasaka T, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1124–7

Hormonal regulation of cell death in rabbit uterine epithelium. Nawaz S, et al. **Am J Pathol** 1987 Apr; 127(1):51–9

Changes in physiological properties of rabbit oviduct by ovarian steroids. Nozaki M, et al. **Am J Physiol** 1987 Jun; 252(6 Pt 2):R1059–65

Skin graft survival in the uterine lumen of ewes treated with progesterone. Hansen PJ, et al. **Am J Reprod Immunol Microbiol** 1986 Oct;12(2):48–54

Progesterone enhancement of prostaglandin E2 production by fetal placental macrophages. Yagel S, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):45–8

Hormone effects on serotonin–dependent behaviors. O'Connor LH, et al. **Ann NY Acad Sci** 1986;474:437–44 (39 ref.)

Induction of monooxygenases and growth in rat liver by progesterone. Ochs H, et al. **Arch Toxicol** 1986 Oct; 59(3):146–9

Pregnancy rate of Brahman–cross heifers to fixed–time insemination following treatment with intravaginal progesterone and pregnant mare serum gonadotrophin. Munro RK. **Aust Vet J** 1987 Feb;64(2):62–3

Factors affecting oestrus response and calving rates following 7–day intravaginal progesterone treatment of cattle. Munro RK. **Aust Vet J** 1987 Jun;64(6):192–4

Islet cell growth and function. A reappraisal of the role of progesterone and prednisolone. Khatim MS, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2795–8

Hormonal control of collagenase inhibitor production in rabbit uterine cervical fibroblast–like cells. Sakyo K, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):517–22

Constriction of the fetal ductus arteriosus by progesterone. Pulkkinen MO, et al. **Biol Neonate** 1986;50(5):270–3

Effect of glycogenesis on the testosterone and estradiol levels in the hypothalamus of neonatal rats. Rhoda J, et al. **Biol Neonate** 1987;51(5):255–9

Anisomycin inhibition of estradiol–induced and progesterone–facilitated luteinizing hormone surges in the immature rat. Attardi B. **Biol Reprod** 1987 Apr;36(3):588–98

Deceleration of age–associated changes in the preovulatory but not secondary follicle–stimulating hormone surge by progesterone. DePaolo LV, et al. **Biol Reprod** 1986 Sep; 35(2):320–6

Transient shortening of estrous cycles in aging C57BL/6J mice: effects of spontaneous pseudopregnancy, progesterone, L–dihydroxyphenylalanine, and hydergine. Flurkey K, et al. **Biol Reprod** 1987 May;36(4):949–59

Stimulatory and inhibitory effects of progesterone on follicular development in the hypophysectomized follicle–stimulating hormone/luteinizing hormone–treated hamster. Kim I, et al. **Biol Reprod** 1987 Mar;36(2):270–6

Paternal antigen and progesterone effects on conceptus size in laboratory mice. Lu EY, et al. **Biol Reprod** 1986 Oct; 35(3):524–30

Purification, secretion and immunocytochemical localization of the uterine milk proteins, major progesterone–induced proteins in uterine secretions of the sheep. Moffatt J, et al. **Biol Reprod** 1987 Mar;36(2):419–30

Quantification of an estrogen–dependent cat uterine protein (CUPED) in uterine flushings of estrogen– and progesterone–treated ovariectomized cats by radioimmunoassay. Murray MK, et al. **Biol Reprod** 1986 Oct;35(3):531–6

Modulation of porcine thecal cell aromatase activity by human chorionic gonadotropin, progesterone, estradiol–17 beta, and dihydrotestosterone. Tonetta SA, et al. **Biol Reprod** 1986 Nov;35(4):785–91

Progesterone and testosterone elicit increases in the duration of shell formation in domestic hens. Nys Y. **Br Poult Sci** 1987 Mar;28(1):57–68

Influence of progesterone coils (PRID) on some plasma constituents in buffaloes. el–Belely MS, et al. **Br Vet J** 1987 Jul–Aug;143(4):344–7

Regulation of central and peripheral benzodiazepine receptors in progesterone–treated rats. Gavish M, et al. **Brain Res** 1987 Apr 21;409(2):386–90

Effects of estradiol and progesterone on the gonadotropin–releasing hormone (GnRH)–immunoreactive neuronal system of the anestrous ewe. Glass JD, et al. **Brain Res** 1986 Sep 3;381(2):336–44

Progesterone alters GABA and glutamate responsiveness: a possible mechanism for its anxiolytic action. Smith SS, et al. **Brain Res** 1987 Jan 6;400(2):353–9

Prolactin release–inhibitory effects of progesterone, megestrol acetate, and mifepristone (RU 38486) by cultured rat pituitary tumor cells. Lamberts SW, et al. **Cancer Res** 1987 Jul 15;47(14):3667–71

Hormonal modulation of plasminogen activator: an approach to prediction of human breast tumor responsiveness [published erratum appears in Cancer Res 1987 Sep 1;47(17):4752] Mira–y–Lopez R, et al. **Cancer Res** 1987 Jul 1;47(13):3558–64

Regulation of estrogen and progestin receptor concentrations in an experimental rat prostatic carcinoma by estrogen, antiestrogen, and progesterone. Mobbs BG, et al. **Cancer Res** 1987 May 15;47(10):2645–51

Antipain microinjection prevents progesterone to inhibit adenyl cyclase in Xenopus oocytes. Picard A, et al. **Cell Biol Int Rep** 1987 Feb;11(2):81–8

Germinal vesicle migration and dissolution in Rana pipiens oocytes: effect of steroids and microtubule poisons. Lessman CA. **Cell Differ** 1987 Apr;20(4):239–51

Effect of progesterone on the sodium transporting mechanism of isolated toad skin. Neumann VK, et al. **Cell Mol Biol** 1986;32(6):685–90

The effect of progesterone on the localization of progesterone receptors in the nuclei of chick oviduct cells. Isola JJ. **Cell Tissue Res** 1987 Aug;249(2):317–23

Early glycogenesis in the uterine glandular cells of the rabbit induced by progestins: a quantitative investigation. Secchi J, et al. **Cell Tissue Res** 1987 May;248(2):359–64

Irreversible changes in rat erythrocyte Na+ transport systems with progesterone and estradiol administration. Grichois ML, et al. **Clin Exp Hypertens [A]** 1986; 8(8):1295–311

Evidence for a dissimilarity of chicken oviducts differentiated by diethylstilboestrol and oestradiol–17 beta: a study of progesterone–induced egg–white protein (avidin) synthesis. Niemelä AO, et al. **Comp Biochem Physiol [A]** 1986; 84(4):719–22

Alkaline phosphatase activity in the membrane of Xenopus laevis oocytes: effects of steroids, insulin, and inhibitors during meiosis reinitiation. Le Goascogne C, et al. **Dev Biol** 1987 Feb;119(2):511–9

Carbohydrate metabolism of female rat adipocytes: effects and mechanisms of action of progesterone. Sutter–Dub MT. **Diabete Metab** 1986 Dec;12(6):329–36

The hormone response element of the mouse mammary tumour virus DNA mediates the progestin and androgen induction of transcription in the proviral long terminal repeat region. Cato AC, et al. **EMBO J** 1987 Feb;6(2):363–8

The hormone regulatory element of mouse mammary tumour virus mediates progesterone induction. Cato AC, et al. **EMBO J** 1986 Sep;5(9):2237–40

Induction of daily PRL surges in rats by chronic treatment with progesterone. Kawaminami M, et al. **Endocrinol Jpn** 1987 Feb;34(1):37–44

Progesterone antagonizes the ability of porcine ovarian inhibin to sensitize ovine pituitary cell culture to luteinizing hormone–releasing hormone: dependence on ovaries in vivo. Batra SK, et al. **Endocrinology** 1986 Nov; 119(5):1933–8

A direct pituitary action of progesterone on basal secretion of follicle–stimulating hormone in ovine cell culture: dependence on ovaries in vivo. Batra SK, et al. **Endocrinology** 1986 Nov;119(5):1929–32

Maintenance of progesterone–facilitated sexual behavior in female rats requires continued hypothalamic protein synthesis and nuclear progestin receptor occupation. Brown TJ, et al. **Endocrinology** 1987 Jul;121(1):298–304

The effect of transient dopamine antagonism on thyrotropin–releasing hormone–induced prolactin release in ovariectomized rats treated with estradiol and/or progesterone. Haisenleder DJ, et al. **Endocrinology** 1986 Nov;119(5):1996–2003

Rabbit myometrial oxytocin and alpha 2–adrenergic receptors are increased by estrogen but are differentially regulated by progesterone. Jacobson L, et al. **Endocrinology** 1987 Mar;120(3):1184–9

Beta–endorphin in uterine secretions of pseudopregnant and ovariectomized, ovarian steroid–treated gilts. Li WI, et al. **Endocrinology** 1987 Sep;121(3):1111–5

Intracranial sites regulating the biphasic action of progesterone in estrogen–primed golden hamsters. Takahashi LK, et al. **Endocrinology** 1986 Dec; 119(6):2744–54

Pulsatile luteinizing hormone (LH) release during the progesterone–induced LH surge in the female rhesus monkey. Terasawa E, et al. **Endocrinology** 1987 Jun; 120(6):2265–71

Estrogens, progestogens, and androgens enhance the follicle–stimulating hormone–stimulated plasminogen activator production by cultured rat granulosa cells. Wang C, et al. **Endocrinology** 1987 May;120(5):2131–6

Estrogen regulation of protein synthesis in the immature rat uterus: the effects of progesterone on proteins released into the medium during in vitro incubations. Wheeler C, et al. **Endocrinology** 1987 Mar;120(3):919–23

Effect of estrogen and progesterone treatment on calcium uptake by the myometrium and smooth muscle of the lower urinary tract. Batra S. **Eur J Pharmacol** 1986 Aug 7; 127(1–2):37–42

Effects of 5–HT1A selective anxiolytics on lordosis behavior: interactions with progesterone. Mendelson SD, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):323–6

Dual effect of exogenous progesterone on the activity of tyrosine aminotransferase in the liver of female rats. Németh S, et al. **Exp Clin Endocrinol** 1987 Apr; 89(2):197–200

The male–induced pregnancy block (the Bruce effect) in mice: re–evaluation of the ability of exogenous progesterone in preventing implantation failure. Rajendren G, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):188–96

The effect of progesterone and progestational antiandrogen cyproterone acetate on the ovaries and the adrenal glands of neonatally androgenised rats. Shanbhag AB, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):7–15

A 48–hour preservation of an isolated human uterus: endometrial responses to sex steroids. Bulletti C, et al. **Fertil Steril** 1987 Jan;47(1):122–9

Progesterone (P) receptor dynamics in estrogen primed normal human cervix following P injection. Gorodeski IG, et al. **Fertil Steril** 1987 Jan;47(1):108–13

Progesterone increases serum CA–125 in endometriosis. Ozasa H, et al. **Fertil Steril** 1987 Apr;47(4):699–701

Germinal vesicle breakdown in oocytes of catfish, Mystus vittatus (Bloch): relative in vitro effectiveness of estradiol–17 beta, androgens, corticosteroids, progesterone, and other pregnene derivatives. Upadhyaya N, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):70–6

Characterization of the nuclear progesterone receptor in normal human endometrium after progesterone injection. Gorodeski IG, et al. **Gynecol Obstet Invest** 1987;23(1):48–53

Sex–specific interactions between aggressive and sexual behavior in the rat: effects of testosterone and progesterone. de Jonge FH, et al. **Horm Behav** 1986 Dec;20(4):432–44

Progesterone induction of pseudocopulatory behavior and stimulus–response complementarity in an all–female lizard species. Grassman M, et al. **Horm Behav** 1986 Sep; 20(3):327–35

Estradiol plus progesterone treatment and precopulatory behavior in prepubertally ovariectomized female rats: dose–response relationships. Hliňák Z. **Horm Behav** 1986 Sep;20(3):263–9

The effect of progesterone supplementation prior to the induction of ovulation in women treated for in–vitro fertilization. Howles CM, et al. **Hum Reprod** 1987 Feb; 2(2):91–4

Effects of oestradiol and progesterone on the synthesis of DNA and the anti–haemophilic factor VIII antigen in human endometrial endothelial cells in vitro: a pilot study. Johannisson E. **Hum Reprod** 1986 Jun;1(4):207–12

Preparation and characterization of rabbit myometrial cells

in primary culture: influence of estradiol and progesterone treatment. Boulet AP, et al. **In Vitro Cell Dev Biol** 1987 Feb;23(2):93–9

Influence of progesterone on the activity of sebaceous gland in rat. Pal P, et al. **Indian J Dermatol** 1985 Oct;30(4):11–9

Impact of sex steroids on plasma T3 and T4 levels in the freshwater catfish Clarias batrachus (Linn.). Yadav AK, et al. **Indian J Exp Biol** 1986 Nov;24(11):685–6

Steroid effects on the reproductive system in the bovine. Cupps PT. **J Anim Sci** 1971;32 Suppl 1:107–14

Influence of varying levels of blood progesterone upon estrous behavior in cattle. Davidge ST, et al. **J Anim Sci** 1987 Jan;64(1):126–32

Some influences of lactation and hormone treatment on uterine changes in postpartum sheep. Foote WC. **J Anim Sci** 1971;32 Suppl 1:48–54

Response of postpartum beef cows to exogenous progestogens and gonadotropin releasing hormone. Smith VG, et al. **J Anim Sci** 1987 Feb;64(2):540–51

Induction of lactation: histological and biochemical development of mammary tissue and milk yields of cows injected with estradiol–17 beta and progesterone for 21 days. Fleming JR, et al. **J Dairy Sci** 1986 Dec; 69(12):3008–21

Enhanced precision of estrus and luteinizing hormone after progesterone and prostaglandin in heifers. Fogwell RL, et al. **J Dairy Sci** 1986 Aug;69(8):2179–85

A possible dual regulation of prolactin release by the serotoninergic system in rats at pro–oestrus and during late pregnancy: role of ovarian hormones. Jahn GA, et al. **J Endocrinol** 1987 Mar;112(3):367–74

Stress–induced prolactin release in female, male and androgenized rats: influence of progesterone treatment. Jahn GA, et al. **J Endocrinol** 1986 Sep;110(3):423–8

Inhibition of casein and fat synthesis and alpha–lactalbumin secretion by progesterone in explants from bovine lactating mammary glands. Shamay A, et al. **J Endocrinol** 1987 Apr; 113(1):81–8

Differentiation of granulated metrial gland cells in ovariectomized mice given ovarian hormones. Stewart I. **J Endocrinol** 1987 Jan;112(1):23–6

Influence of administration of ovarian steroids on the function of neutrophils isolated from the blood and uterus of ovariectomized mares. Watson ED, et al. **J Endocrinol** 1987 Mar;112(3):443–8

Effects of differing absolute and relative doses of progesterone and estrone on implantation and fetal survival in ovariectomized rats. Shaar CJ, et al. **J Endocrinol Invest** 1986 Oct;9(5):421–5

Induction of oestrus and ovulation in anoestrous fallow deer (Dama dama) by using progesterone and GnRH treatment. Asher GW, et al. **J Reprod Fertil** 1986 Nov;78(2):693–7

Differences in the rabbit uterine response to progesterone as influenced by growth hormone or prolactin. Chilton BS, et al. **J Reprod Fertil** 1987 Mar;79(2):581–7

Effects of oestradiol and progesterone on the metabolism of [U–14C]glucose by mouse morulae and early blastocysts in vitro. Khurana NK, et al. **J Reprod Fertil** 1987 Jan; 79(1):267–73

Hormonal requirements and the influence of age on the decidual cell reaction in the bank vole (Clethrionomys glareolus). Nerquaye–Tetteh JO, et al. **J Reprod Fertil** 1987 Mar;79(2):575–9

Endurance exercise potentiates the stimulatory influence of oestrogen–progesterone on LH and FSH release in the rat. Todoroff EC, et al. **J Reprod Fertil** 1987 May;80(1):75–80

Effect of ovarian hormones on promotion of bactericidal activity by uterine secretions of ovariectomized mares. Watson ED, et al. **J Reprod Fertil** 1987 Mar;79(2):531–7

Characterization of hormone–dependent suppressor cells in the uterus of mated and pseudopregnant mice. Brierley J, et al. **J Reprod Immunol** 1987 Mar;10(3):201–17

Progesterone induces a secretory protein in cultured rabbit endometrial stromal cells. Bigsby RM. **J Steroid Biochem** 1986 Dec;25(6):937–42

Tamoxifen and progesterone effects in target tissues during the perinatal period. Pasqualini JR, et al. **J Steroid Biochem** 1986 Nov;25(5B):853–7

Thecal cell 3–beta hydroxysteroid dehydrogenase activity: modulation by human chorionic gonadotropin, progesterone, estradiol–17 beta and dihydrotestosterone. Tonetta SA, et al. **J Steroid Biochem** 1987 Jul;28(1):77–82

Differential suppression of progesterone receptors by progesterone in the reproductive tract of female macaques. West NB, et al. **J Steroid Biochem** 1986 Oct;25(4):497–503

Stimulation of expression of the human endogenous retrovirus genome by female steroid hormones in human breast cancer cell line T47D. Ono M, et al. **J Virol** 1987 Jun;61(6):2059–62

Synergism or antagonism between estradiol and progesterone on the cell kinetic parameters of the MXT mouse mammary tumor. Kiss R, et al. **JNCI** 1987 Mar;78(3):573–9

Prompt effect of progesterone on the adrenergic response of smooth muscles. Morishita S. **Jpn J Pharmacol** 1986 Oct; 42(2):289–96

Effects of sexual steroid hormones treatment on Ca2+ sensitivity of chemically skinned uterine muscle fibers from ovariectomized rats. Ochiai K, et al. **Jpn J Physiol** 1986; 36(6):1275–9

Effects of treatment with prolactin or progesterone on the coincidence of mammary tumors and uterine adenomyosis in young SHN mice. Nagasawa H, et al. **Lab Anim Sci** 1987 Apr;37(2):200–2

Progesterone induction of phospholipid methylation and arachidonic acid turnover during the first meiotic division in amphibian oocytes. Chien EJ, et al. **Life Sci** 1986 Oct 27;39(17):1501–8

Delta sleep–inducing peptide (DSIP) stimulates LH release in steroid–primed ovariectomized rats. Sahu A, et al. **Life Sci** 1987 Mar 23;40(12):1201–6

Modulation of the progesterone receptor in the fetal uterus of the progesterone–primed guinea pig in vivo and in organ culture. Sumida C, et al. **Life Sci** 1987 Mar 23; 40(12):1185–91

Effect of progesterone injection on progesterone receptor levels and distribution in untreated and short–term Premarin–primed pre–menopausal and post–menopausal endometrium. Gorodeski IG, et al. **Maturitas** 1986 Dec; 8(4):353–8

Parathyroid hormone secretion: effect of estradiol and progesterone. Greenberg C, et al. **Metabolism** 1987 Feb; 36(2):151–4

Ultrastructural study of the effect of progesterone on mouse fibroblasts in vitro. Anton E, et al. **Microsc Electron Biol Celular** 1985 Dec;9(2):133–45

Antibodies to the ras gene product inhibit adenylate cyclase and accelerate progesterone–induced cell division in Xenopus laevis oocytes. Sadler SE, et al. **Mol Cell Biol** 1986 Feb;6(2):719–22

Sister–chromatid exchanges in newborns after normal and progesterone–treated pregnancies. Lukić B, et al. **Mutat Res** 1987 Jun;191(2):121–4

Effect of progesterone on the metabolism of noradrenaline in rabbit uterine endometrium and myometrium. Kennedy JA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):368–76

Long–term weekly gonadal steroid treatment: effects on plasma prolactin, sexual behavior and hypothalamic–preoptic area catecholamines. Clark JT, et al. **Neuroendocrinology** 1986;44(4):488–93

Neuropeptide Y stimulates the release of luteinizing hormone–releasing hormone from medial basal hypothalamus in vitro: modulation by ovarian hormones. Crowley WR, et al. **Neuroendocrinology** 1987 Aug; 46(2):97–103

Membrane mechanism mediates progesterone stimulatory effect on LHRH release from superfused rat hypothalami in vitro. Ke FC, et al. **Neuroendocrinology** 1987 Jun; 45(6):514–7

Prolonged sensitisation of pituitary glands in vitro to repeated administration of luteinising hormone–releasing hormone: effects of pulse frequency, ovariectomy, estradiol and progesterone. Nicholson S, et al. **Neuroendocrinology** 1987 Jun;45(6):465–72

Specific protein synthesis in oviduct–progestational responses of hens and oestradiol–primed chicks: immunohistochemical demonstration of simultaneous synthesis of avidin, trypsin inhibitor and ovoinhibitor. Kami K, et al. **Okajimas Folia Anat Jpn** 1986 Aug;63(2–3):113–25

Effect of steroid hormones on the regulation of uterine contractility. Badia E, et al. **Pflugers Arch** 1986 Dec; 407(6):670–6

Effects of Silastic progesterone implants on activity cycles and steroid levels in ovariectomized and intact female rats. Axelson JF, et al. **Physiol Behav** 1986;38(6):879–85

Progesterone inhibition of aggressive behaviors in hamsters. Fraile IG, et al. **Physiol Behav** 1987;39(2):225–9

The effect of cholecystokinin on food intake in gonadectomized and intact rats: the influence of sex hormones. Wager–Srdar SA, et al. **Physiol Behav** 1987; 40(1):25–8

Can dietary fat influence hormone–induced growth responsiveness of the mammary gland? Welsch CW. **Prev Med** 1987 Jul;16(4):475–80

Hormonal modulation of the quantity and in situ activity of tyrosine hydroxylase in neurites of the median eminence. Wang PS, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9804–6

Effectiveness of estradiol and progesterone in inducing LH release in different stages in rat estrous cycles. Pi WP. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):245–9

Cyclic nucleotides and protein phosphorylation in mouse mammary glands: effects of estrogen and progesterone administered in vivo. Sheffield LG, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):283–90

Uptake and release of 3H prostaglandins E2 and F2 alpha in uterine strips isolated from ovariectomized rats. Influence of in vitro progesterone. Gimeno MF, et al. **Prostaglandins** 1987 Jan;33(1):51–61

Effects of hydrocortisone, oestradiol and progesterone on A23187–stimulated prostaglandin output from the guinea–pig uterus superfused in vitro. Poyser NL. **Prostaglandins** 1987 Jan;33(1):101–12

Effects of age, gender and female sex hormones upon contractility of the human gallbladder in vitro. Keane P, et al. **Surg Gynecol Obstet** 1986 Dec;163(6):555–60

Effects of long acting and short acting oestradiol implants on growth rate and carcase weight of steers. O'Callaghan D, et al. **Vet Rec** 1986 Oct 25;119(17):427–9

Effect of exogenous progesterone and oestrone on litter size in swine. Sheridan PJ, et al. **Vet Rec** 1986 Sep 27; 119(13):322–4

Effects of oestradiol–17 beta and progesterone administration during day and night in white Leghorn hens on catecholamine levels in different areas of brain. Moudgal RP, et al. **Zentralbl Veterinarmed [A]** 1987 Apr;34(4):264–70

[Regulation of the reproductive functions of cows by hormonal preparations] Nikolov I, et al. **Vet Med Nauki** 1986;23(5):86–91 (Eng. Abstr.) **(Bul)**

[Estradiol–progesterone interaction in normal and pathological human breast cells] Mauvais–Jarvis P, et al. **Ann Endocrinol (Paris)** 1986;47(3):179–87 (37 ref.) (Eng. Abstr.) **(Fre)**

[Effects of progesterone and nomegestrol acetate on the endometrial epithelium of the rabbit. A study with scanning electron microscopy] Paris JM, et al. **J Pharmacol** 1986 Oct–Dec;17(4):508–14 (Eng. Abstr.) **(Fre)**

[Effects of PGF2 alpha prostaglandins on milk ejection in the ewe. Consequences of ovariectomy with or without estroprogestative complementation] Labussière J, et al. **Reprod Nutr Dev** 1986;26(4):933–42 (Eng. Abstr.) **(Fre)**

[Effect of various doses of progesterone in early pregnancy on the fertility of young and adult sows] Schlegel W, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):599–604 (Eng. Abstr.) **(Ger)**

[Quantitative radiologic evaluation of the effect of estro–progestin therapy on the bone mineral content of ovariectomized rats] Barbagallo M, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1185–90 (Eng. Abstr.) **(Ita)**

[Effects of steroid hormones upon lymphocyte transformation in normal subjects and patients with vernal keratoconjunctivitis] Hagihara M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):936–41 (Eng. Abstr.) **(Jpn)**

[Effects of highly concentrated estrogen and progesterone on the contractile mechanism of the uterine smooth muscles] Takayama T. **Nippon Heikatsukin Gakkai Zasshi** 1986 Feb;22(1):43–51 (Eng. Abstr.) **(Jpn)**

[Peroxidase activity of catalase modified by progesterone] Artemchik VD, et al. **Biokhimiia** 1986 Aug;51(8):1355–61 (Eng. Abstr.) **(Rus)**

[Activation of protein kinase C and cAMP–dependent protein kinase in hormone–dependent mammary gland tumors during stimulation of their growth with progesterone and estrone] Morozova TM, et al. **Biokhimiia** 1986 Oct; 51(10):1624–9 (Eng. Abstr.) **(Rus)**

[Effect of testosterone, its 5 alpha–reduced metabolites, estradiol and progesterone on the formation of an experimental duodenal ulcer in male rats] Loseva LA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):406–8 (Eng. Abstr.) **(Rus)**

[The effect of high doses of steroid hormones on nucleic acid synthesis (DNA, RNA) in the placenta] Aleksić S, et al. **Med Pregl** 1986;39(9–10):431–4 (Eng. Abstr.) **(Ser)**

[Fibrosis and cirrhosis in the rabbit induced by diethylstilbestrol and its inhibition with progesterone] Lanari A, et al. **Medicina (B Aires)** 1985;45(2):110–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Premenstrual changes and changes in gonadal hormones. Halbreich U, et al. **Acta Psychiatr Scand** 1986 Dec; 74(6):576–86

Progesterone regulation of protein synthesis and steroid receptor levels in decidual cells. Leavitt WW, et al. **Ann NY Acad Sci** 1986;476:136–57

Progesterone action in preparation for decidualization. Yochim JM. **Ann NY Acad Sci** 1986;476:122–35

Central actions of ovarian steroids in the feedback regulation of pulsatile secretion of luteinizing hormone. Karsch FJ. **Annu Rev Physiol** 1987;49:365–82 (131 ref.)

Role of progesterone in the modulation of the preovulatory surge of gonadotropins and ovulation in the pregnant mare's serum gonadotropin–primed immature rat and the adult rat. Rao IM, et al. **Biol Reprod** 1986 Dec; 35(5):1154–61

The effects of progesterone on follicular growth in the rabbit ovary. Setty SL, et al. **Biol Reprod** 1987 Jun;36(5):1247–52

Is synaptic transmission modulated by progesterone? Meiri H. **Brain Res** 1986 Oct 15;385(1):193–6

Antiestrogen action of progesterone in breast tissue. Mauvais–Jarvis P, et al. **Breast Cancer Res Treat** 1986; 8(3):179–88 (48 ref.)

Role of cAMP in modulating intrafollicular progesterone levels and oocyte maturation in amphibians (Rana pipiens). Kwon HB, et al. **Dev Biol** 1986 Oct;117(2):354–64

Inhibitory effect of progesterone in the postcastration gonadotrophin rise in women. Minakami H, et al. **Endocrinol Jpn** 1987 Feb;34(1):21–8

Receptor–mediated interrelationships between progesterone and estradiol action on the anterior pituitary–hypothalamic axis of the ovariectomized immature rat. Calderon JJ, et al. **Endocrinology** 1987 Jun;120(6):2428–35

Interaction of progesterone, estradiol, and testosterone in the regulation of growth and development of the chick oviduct. Mika M, et al. **Folia Biol (Krakow)** 1987;35(1–2):85–94

Estradiol–17 beta and progesterone regulate secretion of uteroglobin through different pathways. Shroyer KR, et al. **Histochemistry** 1987;87(2):173–9

Neuroendocrine control of reproductive function in the aging female rodent. Cooper RL, et al. **J Am Geriatr Soc** 1986 Oct;34(10):735–51 (161 ref.)

Female sex steroid changes during the reproductive cycle. Erb RE, et al. **J Anim Sci** 1971;32 Suppl 1:80–106 (201

ref.)
Blockade of the spontaneous midcycle gonadotropin surge in monkeys by RU 486: a progesterone antagonist or agonist? Collins RL, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1270–6
Anti-progesterone monoclonal antibody affects early cleavage and implantation in the mouse by mechanisms that are influenced by genotype. Rider V, et al. **J Reprod Fertil** 1987 Jan;79(1):33–43
Potassium homeostasis in pregnancy. Lindheimer MD, et al. **J Reprod Med** 1987 Jul;32(7):517–22
The differential effects of neonatal androgen, estrogen and progesterone on adult rat prostate growth. Naslund MJ, et al. **J Urol** 1986 Nov;136(5):1136–40
Fetal ripening. Harrison VC. **Med Hypotheses** 1986 Dec; 21(4):373–6
Immunoreactive beta-endorphin concentrations in brain and plasma during pregnancy in rats: possible modulation by progesterone and estradiol. Bridges RS, et al. **Neuroendocrinology** 1987 May;45(5):381–8
Estrogen priming affects the sensitivity of midbrain central gray neurons to microiontophoretically applied LHRH but not beta-endorphin. Schiess MC, et al. **Neuroendocrinology** 1987 Jun;46(1):24–31
The influence of estrogen, testosterone and progesterone on partner preference, receptivity and proceptivity. de Jonge FH, et al. **Physiol Behav** 1986;37(6):885–91
Effects of estrous cycles and ovarian steroids on body weight and energy expenditure in Syrian hamsters. Schneider JE, et al. **Physiol Behav** 1986;38(1):119–26
Hormones and husbandry: control of nesting behavior in poultry production. Appleby MC. **Poult Sci** 1986 Dec; 65(12):2352–4 (30 ref.)
Endocrine regulation of postpartum ovarian activity in cattle: a review. Hanzen C. **Reprod Nutr Dev** 1986;26(6):1219–39 (203 ref.)
Pregnancy-associated sex steroids and their effects on the liver. Van Thiel DH, et al. **Semin Liver Dis** 1987 Feb; 7(1):1–7
[Significance of progesterone production in regulating the menstrual cycle] Kayser W, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):101–3 (Eng. Abstr.) **(Ger)**
[Hormonal control of zinc uptake in tumor cells] Ujiie S, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):801–6 (Eng. Abstr.) **(Jpn)**
[Specific regulation by steroid hormones of adenylate cyclase in the endometrium] Tanaka N. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):599–604 (Eng. Abstr.) **(Jpn)**

SECRETION

Stress-related effects on the secretion of progesterone by the adrenals in castrated male rats presented to stimulus males. Involvement of oestrogen. Schaeffer C, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):440–5
Dynamic changes in ovarian structures and in progesterone secretion in the cow throughout the calving-to-conception interval. Stupnicki R, et al. **Acta Vet Hung** 1986; 34(3–4):247–55
Effects of hachimijiogan, tokishakuyakusan and keishibukuryogan on estrogen and progesterone secretions by rat preovulatory follicles. Usuki S. **Am J Chin Med** 1986; 14(3–4):161–70
Progesterone and relaxin secretion in relation to the ultrastructure of human luteal cells in culture: effects of human chorionic gonadotropin. Schmidt CL, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1209–19
Progesterone secretion by the bovine fetoplacental unit and responsiveness of corpora lutea to steroidogenic stimuli at two stages of gestation. Pimentel SM, et al. **Am J Vet Res** 1986 Sep;47(9):1967–71
Failure of human chorionic gonadotropin injections to sustain gonadotropin-releasing hormone-induced corpora lutea in postpartum beef cows. Carruthers TD, et al. **Biol Reprod** 1986 Nov;35(4):846–9
Preovulatory secretion of progesterone, luteinizing hormone, and prolactin in 4-day and 5-day cycling rats. Hashimoto I, et al. **Biol Reprod** 1987 Apr;36(3):599–605
Secretion of oxytocin and progesterone by ovine corpora lutea in vitro. Hirst JJ, et al. **Biol Reprod** 1986 Dec; 35(5):1106–14
The glycosaminoglycan chondroitin-4-sulfate alters progesterone secretion by porcine granulosa cells. Ledwitz-Rigby F, et al. **Biol Reprod** 1987 Mar;36(2):320–7
The effect of human chorionic gonadotropin, dibutyryl cyclic adenosine 3',5'-monophosphate, prostaglandins, and 25-hydroxycholesterol on acute progesterone secretion by dissociated rabbit luteal cells in vitro: evidence for independent effect of human chorionic gonadotropins and lipoproteins. McLean MP, et al. **Biol Reprod** 1987 May; 36(4):854–63
Inhibitory effects of the porcine follicular fluid on estradiol and progesterone secretion by cultured rat granulosa cells. Kigawa T, et al. **Endocrinol Jpn** 1986 Apr;33(2):221–31
Inhibitory activity of a low molecular weight substance extracted from porcine small follicular fluid on estradiol and progesterone secretions by rat granulosa cells in vitro and by rat ovaries in vivo. Kigawa T, et al. **Endocrinol Jpn** 1986 Oct;33(5):597–604
Precise timing for peak relaxin and decreased progesterone secretion after hysterectomy in the pig. Felder KJ, et al. **Endocrinology** 1986 Oct;119(4):1502–9
Acute decrease in progesterone and increase in estrogen secretion caused by relaxin during late pregnancy in beef heifers. Musah AI, et al. **Endocrinology** 1987 Jan; 120(1):317–24
Specific receptor-mediated stimulation of progesterone secretion and cGMP accumulation by rat atrial natriuretic factor in cultured human granulosa-lutein (G-L) cells. Pandey KN, et al. **Endocrinology** 1987 Sep;121(3):1195–7
Cyclic Djungarian hamsters, Phodopus campbelli, lack the progesterone surge normally associated with ovulation and behavioral receptivity. Wynne-Edwards KE, et al. **Endocrinology** 1987 Apr;120(4):1308–16
The effects of oxytocin and vasotocin on the secretion of steroid hormones by porcine luteal cells in early pregnancy. Przala J, et al. **Endokrynol Pol** 1986;37(3):125–30
Effect of estradiol-17 beta and luteinizing hormone on progesterone secretion by luteal cells from early pregnant, estradiol benzoate-treated and human chorionic gonadotropin-treated sows. Grazul A, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):239–46
Increase of progesterone production in human and rat luteal cells by beta-adrenergic stimulation. Horváth EJ, et al. **Gynecol Obstet Invest** 1987;23(4):261–6
Hormone secretion and characteristics of estrous cycles after treatment of heifers with human chorionic gonadotropin or prostaglandin F2 alpha during corpus luteum formation. Helmer SD, et al. **J Anim Sci** 1987 Mar;64(3):782–9
Effect of human chorionic gonadotropin on preovulatory luteinizing hormone surge and ovarian hormone secretion in gilts. Ziecik A, et al. **J Anim Sci** 1987 Apr;64(4):1134–43
8-Bromo-3',5'-adenosine monophosphate stimulates the endocrine activity of human cytotrophoblasts in culture. Feinman MA, et al. **J Clin Endocrinol Metab** 1986 Nov; 63(5):1211–7
Local production of progesterone by the corpus luteum of the marmoset monkey in response to perfusion with chorionic gonadotrophin and melatonin in vivo. Webley GE, et al. **J Endocrinol** 1987 Mar;112(3):449–57
Induction of luteal activity and progesterone secretion in the nonpregnant one-humped camel (Camelus dromedarius). Marie M, et al. **J Reprod Fertil** 1987 May;80(1):183–92
Melatonin directly stimulates the secretion of progesterone by human and bovine granulosa cells in vitro. Webley GE, et al. **J Reprod Fertil** 1986 Nov;78(2):711–7
Influence of adrenergic receptors on ovarian progesterone secretion in the pseudopregnant cat and oestradiol secretion in the oestrous cat. Wheeler AG, et al. **J Reprod Fertil** 1987 Jan;79(1):195–205
Ovarian steroid production in rats treated with gonadotropin-releasing hormone during early pregnancy. Sridaran R. **J Steroid Biochem** 1987 Jan;26(1):1–6
Catecholestrogens stimulate progestin secretion by cultured porcine granulosa cells. Spicer LJ, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):139–47
Hormone secretion by euthyroid and hypothyroid rat ovaries during the early stages of hCG-induced ovarian cyst development. Bruot BC. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):206–10
Effects of dihydrotestosterone on progesterone secretion in pseudopregnant rats. Sridaran R, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):328–32
Effect of indomethacin on the progesterone secretion of hysterectomized pseudopregnant rats. Sánchez-Criado JE, et al. **Rev Esp Fisiol** 1986 Sep;42(3):295–9
[Effects of ACTH or hCG on corticosterone and progesterone secretion from adrenal glands of the rats at various ages] Kumai A, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Jan 20;63(1):10–8 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Trial of progesterone vaginal suppositories in the treatment of premenstrual syndrome [letter] Dalton K. **Am J Obstet Gynecol** 1987 Jun;156(6):1555–6
The primary treatment of luteal phase inadequacy: progesterone versus clomiphene citrate. Huang KE. **Am J Obstet Gynecol** 1986 Oct;155(4):824–8
Long-term effects of percutaneous estrogens and oral progesterone on serum lipoproteins in postmenopausal women. Jensen J, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):66–71
The effect of percutaneous estradiol and natural progesterone on postmenopausal bone loss. Riis BJ, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):61–5
Estrogen–progesterone combination: another mood stabilizer? [letter] Chouinard G, et al. **Am J Psychiatry** 1987 Jun;144(6):826
Double-blind controlled trial of progesterone substitution in threatened abortion. Gerhard I, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):26–34
The use of progesterone in the treatment of PMS. Maxson WS. **Clin Obstet Gynecol** 1987 Jun;30(2):465–77 (54 ref.)
The efficacy of progesterone in achieving successful pregnancy: II. In women with pure luteal phase defects. Check JH, et al. **Int J Fertil** 1987 Mar-Apr;32(2):139–41
The efficacy of progesterone in achieving successful pregnancy: I. Prophylactic use during luteal phase in anovulatory women. Check JH, et al. **Int J Fertil** 1987 Mar-Apr;32(2):135–8
Progesterone therapy to decrease first-trimester spontaneous abortions in previous aborters. Check JH, et al. **Int J Fertil** 1987 May-Jun;32(3):192–3, 197–9
Progesterone as therapy for retroperitoneal fibrosis. Bilder CR, et al. **Medicina (B Aires)** 1985;45(2):159–63
Intermittent progesterone therapy and frequency of complex partial seizures in women with menstrual disorders. Herzog AG. **Neurology** 1986 Dec;36(12):1607–10
Progesterone in seizure therapy [letter] Swanson TH, et al. **Neurology** 1987 Aug;37(8):1433
Estrogen–progestogen therapy during menopause. Renewed interest in the 1980s. Gambrell RD Jr. **Postgrad Med** 1986 Nov 1;80(6):261–7
Progesterone therapy in mares with abnormal oestrous cycles. Rutten DR, et al. **Vet Rec** 1986 Dec 6; 119(23):569–71
[Nymphalon in cattle with cystic degenerated follicles] Rüsch P, et al. **Berl Munch Tierarztl Wochenschr** 1986 Aug 1; 99(8):272–4 (Eng. Abstr.) **(Ger)**
[Surprising effect of the treatment with progesterone of desmoid tumors (aggressive fibromatosis)] Lanari A. **Medicina (B Aires)** 1985;45(2):105–9 (Eng. Abstr.) **(Spa)**

TOXICITY

Growth inhibition by progestins in a human endometrial cancer cell line with estrogen-independent progesterone receptors. Terakawa N, et al. **Cancer Res** 1987 Apr 1; 47(7):1918–23
Results of in vivo and in vitro studies for assessing prenatal toxicity. Neubert D, et al. **Environ Health Perspect** 1986 Dec;70:89–103
Embryotoxicity of sex steroidal hormone combinations in nonhuman primates: I. Norethisterone acetate + ethinylestradiol and progesterone + estradiol benzoate (Macaca mulatta, Macaca fascicularis, and Papio cynocephalus). Hendrickx AG, et al. **Teratology** 1987 Feb; 35(1):119–27

PROGESTERONE-BINDING GLOBULIN see under **ALPHA GLOBULINS**

PROGESTERONE RECEPTORS see **RECEPTORS, PROGESTERONE**

PROGESTERONE REDUCTASE see under **3-HYDROXYSTEROID DEHYDROGENASES**

PROGESTIN ANALOGS see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGESTIN RECEPTORS see **RECEPTORS, PROGESTERONE**

PROGESTINS see **PROGESTATIONAL HORMONES**

PROGESTINS, SYNTHETIC see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGLUMIDE see under **GLUTAMINE**

PROGLUMIDE RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

PROGNATHISM

HISTORY

[Origin of the Habsburg family type] Neumann HJ. **Sudhoffs Arch** 1986;70(1):77–83 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Geographical distribution, preoperative orthodontics, and morbidity of Norwegian patients surgically treated for mandibular prognathism. Tornes K, et al. **Acta Odontol Scand** 1987 Apr;45(2):95–100

PSYCHOLOGY

[Facial profile—psychological profile] Grimbert N, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):146–9 (Eng. Abstr.) **(Fre)**

REHABILITATION

[Prosthetic rehabilitation of prognathism in an adult] Gegesi Kiss J, et al. **Fogorv Sz** 1986 Sep;79(9):263–6 (Eng. Abstr.) **(Hun)**

SURGERY

Surgical correction of mandibular prognathism in Norway, 1975–1984. A national survey. Tornes K, et al. **Acta Odontol Scand** 1987 Apr;45(2):87–94
The surgical technique of vertical subcondylar osteotomy for correction of mandibular prognathism. A 10-year survey. Tornes K, et al. **Acta Odontol Scand** 1987 Jun; 45(3):203–11
Periodontal status of mandibular incisors following excessive proclination. A study in adults with surgically treated mandibular prognathism. Artun J, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):225–32
Correction of mandibular prognathism in osteogenesis imperfecta tarda. A case report. Whitestone BW, et al. **Can Dent Assoc J** 1986 Oct;52(10):853–6
Displacement of the mandible after removal of the

intermaxillary fixation following oblique sliding osteotomy. Rosenquist B, et al. **J Maxillofac Surg** 1986 Oct;14(5):251–9
Recognition of profile change after simulated orthognathic surgery. Burcal RG, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):666–70
False aneurysm complicating orthognathic surgery. Clark R, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):57–9
Obstructive sleep apnea syndrome following surgery for mandibular prognathism. Riley RW, et al.
J Oral Maxillofac Surg 1987 May;45(5):450–2
Recovery of oral opening following sagittal ramus osteotomy for mandibular prognathism. Stacy GC.
J Oral Maxillofac Surg 1987 Jun;45(6):487–92
[Mandibular prognathic syndrome and its surgical correction by simultaneous total maxillary and mandibular osteotomies] Wang DZ.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Nov;21(6):330–4, 383 (Eng. Abstr.) **(Chi)**
[Correlations of retroposition distance and recurrence trends in progenia operations] Benkert P, et al.
Zahn Mund Kieferheilkd 1987;75(1):22–4 (Eng. Abstr.) **(Ger)**
[Our experience with sagittal splitting of the mandible after Gattinger's technic for the correction of dysgnathia] Grimm G, et al. **Zahn Mund Kieferheilkd** 1987;75(2):132–6 (Eng. Abstr.) **(Ger)**

THERAPY

[Effect of the treatment of prognathism in children on changes in the facial part of the skull]
Michałowska-Sarosiek A. **Ann Acad Med Stetin** 1986; 32:249–65 (Eng. Abstr.) **(Pol)**

PROGNOSIS

[Use of prognostic knowledge in the planning and analysis of randomized therapeutic trials] Byar D, et al.
Bull Cancer (Paris) 1987;74(2):177–84 (Eng. Abstr.) **(Fre)**
[Interindividual differences in forming clinical judgments] Sturm Y. **Z Klin Psychol Psychopathol Psychother** 1986; 34(3):196–204 **(Ger)**

PROGRAMMED INSTRUCTION

Effectiveness of an infection control programmed unit of instruction in nursing education. Goldrick BA.
Am J Infect Control 1987 Feb;15(1):16–9
Self-help treatment books and the commercialization of psychotherapy. Rosen GM. **Am Psychol** 1987 Jan; 42(1):46–51
Chemotherapy administration. Wujcik D. **Cancer Nurs** 1987 Feb;10(1):53–64
Compliance with medical regimens, self-management programs, and self-care in childhood asthma. Klingelhofer EL. **Clin Rev Allergy** 1987 Aug;5(3):231–47 (66 ref.)
Unifying the strategies of primary health care and nursing education. Davis JH, et al. **Int Nurs Rev** 1987 Jul–Aug; 34(4):102–6
Re-inventing the wheel: a case study of nursing curriculum innovation. Prosser SM. **J Adv Nurs** 1986 Sep;11(5):521–7
Implementing contract learning in a senior nursing practicum. Richardson S. **J Adv Nurs** 1987 Mar;12(2):201–6
A portable, self-instructional stress management program for college students. Greenberg JS, et al. **J Sch Health** 1987 Feb;57(2):53–5
Self-study training offered by CDC. **MMWR** 1987 Jun 19; 36(23):371
Computer-assisted instruction in curricula of physical therapist assistants. Thompson EC. **Phys Ther** 1987 Aug; 67(8):1237–9
Evaluation of an innovative self-instructional program in the surgical subspecialties. Yens DP, et al.
Proc Annu Conf Res Med Educ 1984;23:105–10
Modular curriculum development in community health nursing. Weitzel AR, et al. **Public Health Nurs** 1986 Dec; 3(4):257–63

METHODS

[The system of programmed instruction in a department of neurosurgery (exchange of experience)] Kondratenko VI, et al. **Zh Vopr Neirokhir** 1987 Jan–Feb;(1):48–52 **(Rus)**

PROGRAMMED INSTRUCTION, COMPUTERIZED see **COMPUTER ASSISTED INSTRUCTION**

PROGRAMMED LEARNING see **PROGRAMMED INSTRUCTION**

PROGRAMMING LANGUAGES

Cell kinetics simulation languages. Donaghey CE.
Bull Math Biol 1986;48(3–4):323–36
Using artificial intelligence languages for the calculation of inbreeding coefficients—new tools for an old problem. Dupouey JL. **Comput Biol Med** 1987;17(2):71–4
Three surveillance and query languages for medical care. Adams JB. **MD Comput** 1986 Jan–Feb;3(1):11–9
Understanding computer basics. Blum BI. **MD Comput** 1984; 1(1):59–65
Fine-tuning a Fortran subroutine [letter] Casagrande JT, et al. **MD Comput** 1985 Jan–Feb;2(1):8
Programming languages III. Pearson WR. **MD Comput** 1985 Sep–Oct;2(5):45–9, 56
An introduction to PILOT. Zucconi G. **MD Comput** 1986 May–Jun;3(3):31–4
[Development of a simple database system using the commands and language of dBASEII] Hayashi S, et al. **Iyodenshi To Seitai Kogaku** 1986 Jun;24(3):152–6 (Eng. Abstr.) **(Jpn)**

HISTORY

Basic history misrepresented? [letter] Batson EP.
MD Comput 1985 Sep–Oct;2(5):8

PROGRAMMING, LINEAR see under **OPERATIONS RESEARCH**

PROGRESSIVE INTERSTITIAL PNEUMONIA OF SHEEP see **PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP**

PROGRESSIVE LENTICULAR DEGENERATION see **HEPATOLENTICULAR DEGENERATION**

PROGRESSIVE PATIENT CARE

The matrix of care: a heuristic for assessment and placement. Salamon MJ. **Int J Aging Hum Dev** 1986;23(3):207–16

METHODS

Impact of an intermediate care area on ICU utilization after cardiac surgery. Byrick RJ, et al. **Crit Care Med** 1986 Oct; 14(10):869–72

PROGUANIL see **CHLOROGUANIDE**

PROINSULIN

Conformational studies on human proinsulin fragments: the pentapeptide derivative Bpoc-Gly-Pro-Gly-Ala-Gly-OH and its synthetic intermediates. Niu CI, et al.
Biopolymers 1986;25 Suppl:S157–67
[Diagnostic and therapeutic perspectives of proinsulin] Goday Arnó A, et al. **Med Clin (Barc)** 1987 Apr 26; 88(16):647–50 (57 ref.) **(Spa)**

ANALYSIS

Automated thermometric enzyme immunoassay of human proinsulin produced by Escherichia coli. Birnbaum S, et al. **Anal Biochem** 1986 Oct;158(1):12–9
Evidence for presence of proinsulin-immunoreactive glycoprotein(s) in fetal bovine pancreatic extracts. Tung AK, et al. **Diabetes** 1987 Apr;36(4):491–9
High-performance liquid chromatography (HPLC): a rapid, flexible and sensitive method for separating islet proinsulin and insulin. Halban PA, et al. **Diabetologia** 1986 Dec; 29(12):893–6
Proinsulin radioimmunoassay in the evaluation of insulinomas and familial hyperproinsulinemia. Cohen RM, et al.
Metabolism 1986 Dec;35(12):1137–46

BIOSYNTHESIS

Direct effects of glucose on proinsulin synthesis and processing during desensitization. Nagamatsu S, et al.
Endocrinology 1987 Apr;120(4):1225–31
Epidermal growth factor stimulates (pro-)insulin biosynthesis and 3H-thymidine incorporation in isolated pancreatic rat islets. Chatterjee AK, et al. **Horm Metab Res** 1986 Dec; 18(12):873–4
Maintenance of pancreatic endocrine cells of the neonatal rat: Part VIII—Effect of 2-deoxyglucose on insulin biosynthesis and proinsulin mRNA activity. Kagawa S, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):127–32
[Synthesis of human proinsulin and its clinical significance] Qian RL, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Sep; 66(9):564–6 (16 ref.) **(Chi)**

BLOOD

Radioimmunologic determination of human C-peptide and proinsulin in plasma with anti-C-peptide serum after prepurification by high-performance liquid chromatography. Komjati M, et al. **Anal Chem** 1987 Aug 1;59(15):2010–2
Protein precursor forms in plasma [editorial] Peters T Jr. **Clin Chem** 1986 Oct;32(10):1994
Characterization and use in immunoradiometric assay of monoclonal antibodies directed against human proinsulin. Gray IP, et al. **Diabetes** 1987 Jun;36(6):684–8
The effect of exogenous hyperinsulinemia on proinsulin secretion in normal man, obese subjects, and patients with insulinoma. Koivisto VA, et al.
J Clin Endocrinol Metab 1986 Nov;63(5):1117–20

GENETICS

Effects of oral glucose administration on preproinsulin mRNA in rats in vivo. Fukumoto H, et al.
Biochem Biophys Res Commun 1986 Dec 30;141(3):1201–6
High-pressure infrared spectroscopic study of human proinsulin gene expression in live Escherichia coli cells. Wong PT, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):232–8
Quantitative analysis of pancreatic proinsulin mRNA in genetically diabetic (db/db) mice. Orland MJ, et al.
Diabetes 1987 Mar;36(3):341–7
Glucose regulates preproinsulin messenger RNA levels in a clonal cell line of simian virus 40-transformed B cells. Hammonds P, et al. **FEBS Lett** 1987 Mar 9;213(1):149–54
The NH2 terminus of preproinsulin directs the translocation and glycosylation of a bacterial cytoplasmic protein by mammalian microsomal membranes. Eskridge EM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2263–72
Conversion of proinsulin to insulin occurs coordinately with acidification of maturing secretory vesicles. Orci L, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2273–81
Characterization of the two nonallelic genes encoding mouse preproinsulin. Wentworth BM, et al. **J Mol Evol** 1986; 23(4):305–12
A mutation in the B chain coding region is associated with impaired proinsulin conversion in a family with hyperproinsulinemia. Chan SJ, et al.
Proc Natl Acad Sci USA 1987 Apr;84(8):2194–7

IMMUNOLOGY

Use of a synthetic peptide antigen to generate antisera reactive with a proteolytic processing site in native human proinsulin: demonstration of cleavage within clathrin-coated (pro)secretory vesicles. Steiner DF, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6184–8
[Determination of insulin, porcine proinsulin and pancreatic polypeptide antibodies in human serum by radioimmunoassay] Deng SP, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Sep;17(3):194–8 (Eng. Abstr.) **(Chi)**

METABOLISM

Role of transglutaminase in proinsulin conversion and insulin release. Gomis R, et al. **Adv Exp Med Biol** 1986;211:443–6
The morphology of proinsulin processing. Orci L.
Ann NY Acad Sci 1986;488:292–316 (41 ref.)
Proteolytic maturation of insulin is a post-Golgi event which occurs in acidifying clathrin-coated secretory vesicles. Orci L, et al. **Cell** 1987 Jun 19;49(6):865–8
Receptor binding properties of human insulin (recombinant DNA) and human proinsulin and their interaction at the receptor site. Prager R, et al. **Diabetes Care** 1982 Nov–Dec; 5 Suppl 2:104–6
The primary structure of ratfish insulin reveals an unusual mode of proinsulin processing. Conlon JM, et al.
FEBS Lett 1986 Nov 24;208(2):445–50
Stimulation by ATP of proinsulin to insulin conversion in isolated rat pancreatic islet secretory granules. Association with the ATP-dependent proton pump. Rhodes CJ, et al. **J Biol Chem** 1987 Aug 5;262(22):10712–7
Kinetics of circulating endogenous insulin, C-peptide, and proinsulin in fasting nondiabetic man. Henriksen JH, et al. **Metabolism** 1987 May;36(5):463–8

PHARMACODYNAMICS

Selective suppression of hepatic glucose output by human proinsulin in the dog. Lavelle-Jones M, et al.
Am J Physiol 1987 Feb;252(2 Pt 1):E230–6
Regulation of ketogenesis, gluconeogenesis, and glycogen synthesis by insulin and proinsulin in rat hepatocyte monolayer cultures. Agius L, et al. **Diabetes** 1986 Nov; 35(11):1286–93
Inhibition of glycogenolysis and glycogen phosphorylase by insulin and proinsulin in rat hepatocyte cultures. Hartmann H, et al. **Diabetes** 1987 May;36(5):551–5
Differential effects of insulin- and proinsulin-induced hypoglycemia on pituitary hormone and catecholamine secretion. Williams TC, et al. **Diabetes Care** 1987 May–Jun; 10(3):278–85
Interactions among prolactin, epidermal growth factor, and proinsulin on the growth and morphology of the pigeon crop-sac mucosal epithelium in vivo. Anderson TR, et al. **Endocrinology** 1987 Apr;120(4):1258–64
Hypoglycemia following insulin and proinsulin. A comparison. Petersen KG, et al. **Horm Metab Res** 1986 Aug;18(8):530–4
The effect of biosynthetic human proinsulin on the hepatic response to glucagon in insulin-deficient diabetes. Cohen RM, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):476–81
The effects of biosynthetic human proinsulin on carbohydrate metabolism in non-insulin-dependent diabetes mellitus. Glauber HS, et al. **N Engl J Med** 1987 Feb 19;316(8):443–9
Effects of proinsulin on carbohydrate metabolism in diabetes mellitus [letter] Kerner W, et al. **N Engl J Med** 1987 Sep 3;317(10):632–3

SECRETION

Hypersecretion of proinsulin does not explain the hyperinsulinaemia of patients with liver cirrhosis. Ballmann M, et al. **Clin Endocrinol (Oxf)** 1986 Oct;25(4):351–61
Pancreatic islet amyloid and elevated proinsulin secretion in familial maturity-onset diabetes. Clark A, et al.
Diabetes Res 1987 Feb;4(2):51–5
Newly synthesized proinsulin/insulin and stored insulin are released from pancreatic B cells predominantly via a regulated, rather than a constitutive, pathway. Rhodes CJ, et al. **J Cell Biol** 1987 Jul;105(1):145–53
[Proinsulin secretion and proinsulin: C-peptide indicator in

the sera of children with newly detected diabetes mellitus type 1] Symonides-Lawecka A, et al. **Pol Arch Med Wewn** 1986 Sep;76(3):177–81 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Proinsulin—a new drug for the diabetic patient?] Rosak C, et al. **Fortschr Med** 1986 Dec 4;104(45):884–6 (Eng. Abstr.) **(Ger)**

PROJECTION

Projective-cognitive assessment of thoughts and feelings and their relationship to adaptive behavior in a dental situation. Nelson WM 3d, et al. **Adolescence** 1986 Winter; 21(84):855–62

Positive projective identification. Hamilton NG. **Int J Psychoanal** 1986;67 (Pt 4):489–96

The meaning of projection in self psychology. Magid B. **J Am Acad Psychoanal** 1986 Oct;14(4):473–83

Development of self-relatedness in descriptions of others over adolescence. O'Mahony JF. **J Pers** 1986 Sep; 54(3):494–505

In search of the false-uniqueness phenomenon: fear and estimates of social consensus. Suls J, et al. **J Pers Soc Psychol** 1987 Jan;52(1):211–7

Defensive projection and paranoid delusions. Heilbrun AB Jr, et al. **J Psychiatr Res** 1986;20(3):161–73

Projective identification, countertransference, and hospital treatment. Kernberg OF. **Psychiatr Clin North Am** 1987 Jun;10(2):257–72

Projective identification: an alternative hypothesis. Porder MS. **Psychoanal Q** 1987 Jul;56(3):431–51

[Intentional description as a principle of psychoanalytic knowledge] Tress W. **Psychother Psychosom Med Psychol** 1987 Mar–Apr; 37(3–4):133–41 (Eng. Abstr.) **(Ger)**

[Projection or development—a conflict of semantics or chance for a new paradigmatic orientation in personality diagnosis (with an example based on the TAT)] Seifert W. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):335–50 **(Ger)**

[Projective significance of family relationships in the ontogenesis of pediatric and juvenile personalities] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec;90(4):631–5 (Eng. Abstr.) **(Rum)**

PROJECTIVE TECHNICS

Effects of perceived sophistication and test validity on acceptance of generalized feedback. DiClementi JD, et al. **J Clin Psychol** 1987 May;43(3):341–5

Five new personality scales: their location in the factor space of personality measures. Kline P, et al. **J Clin Psychol** 1987 May;43(3):328–36

Questioning the clinical usefulness of projective psychological tests for children. Klein RG. **J Dev Behav Pediatr** 1986 Dec;7(6):378–82 (21 ref.)

Relations between Hand Test variables and the psychological characteristics and behaviors of battered women. Giannakos I, et al. **J Pers Assess** 1987 Summer;51(2):220–7

The Stress Tolerance Test. Harrower M. **J Pers Assess** 1986 Fall;50(3):417–27

[The fate of the Szondi Test in France. "History, critical testing, validity"] Larome A, et al. **Ann Med Psychol (Paris)** 1986 Sep-Oct;144(8):869–76 **(Fre)**

[20-year development of a case of anorexia nervosa seen through an analysis of the patient's drawings] Veyrat JG, et al. **Ann Med Psychol (Paris)** 1986 Mar;144(3):294–310 **(Fre)**

[Full-share integration of psychopathology in general or internal medicine thanks to the Szondi test. II. Principle and applications of the test] Fréchet M. **Biomed Pharmacother** 1987;41(1):9–12 **(Fre)**

[Full-share integration of psychopathology in general or internal medicine thanks to the Szondi test. I. An objective language and a quantitative method] Mathé G, et al. **Biomed Pharmacother** 1987;41(1):6–9 **(Fre)**

[The tolerance of frustration in adolescent and adult patients with lip, jaw and palate clefts] Wriedt S, et al. **Fortschr Kieferorthop** 1986 Dec;47(6):578–85 (Eng. Abstr.) **(Ger)**

[Experiences with the René Bloch "multidimensional art test"] Gawlik K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr;39(4):234–8 (Eng. Abstr.) **(Ger)**

[Behavior of delinquents in social conflict situations. A study using the Rosenzweig Picture-Frustration Test (PFT)] Rauchfleisch U. **Z Psychosom Med Psychoanal** 1986; 32(4):371–81 (Eng. Abstr.) **(Ger)**

[The personality of alcoholic military officers as assessed by projective methods of studying the personality] Griva D, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):20–5 **(Scr)**

PROKARYOTIC CELLS see under **CELLS**

PROLACTIN

Pituitary prolactin cells in diabetic rats induced by the injection of streptozotocin. Yamauchi K, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):81–8

Rat lactotrophs isolated by fluorescence-activated cell sorting are electrically excitable. Chen GG, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):201–10

ANALOGS & DERIVATIVES

Detection and enzymatic deglycosylation of a glycosylated variant of prolactin in human plasma. Champier J, et al. **FEBS Lett** 1987 Feb 23;212(2):220–4

Multiple forms of pituitary prolactin, a glycosylated form of porcine prolactin with enhanced biological activity. Pankov YuA, et al. **Int J Pept Protein Res** 1986 Aug; 28(2):113–23

ANALYSIS

Immunoreactive prolactin in mouse urethral glands. Tsubura A, et al. **Acta Anat (Basel)** 1986;126(4):263–5

Heat-labile prolactin immunoreactivity in normal human tissues: artifacts of peptide hormone radioimmunoassay in human tissues. Adejuwon CA. **Afr J Med Med Sci** 1986 Mar–Jun;15(1–2):29–33

Detection of multiple PRL- and GH-like proteins in human pituitary by Western blot analysis. Sinha YN, et al. **Am J Med Sci** 1987 Jul;294(1):15–25

Differing concentrations of human chorionic gonadotropin and prolactin in the cyst fluid of hydatidiform mole and in amniotic fluid. Yuen BH. **Am J Obstet Gynecol** 1987 Feb;156(2):400–2

Seminal plasma levels of luteinizing hormone, prolactin and testosterone in the evaluation of male infertility. Tang LC, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):275–83

Development of an homologous radioimmunoassay for secreted prolactin from the California ground squirrel (Spermophilus beecheyi). Thordarson G, et al. **Biol Reprod** 1987 Jun;36(5):1186–90

Generation of monoclonal antibodies to human prolactin and applications in solid-phase immunoassays. Lee CY, et al. **Biotechnol Appl Biochem** 1987 Feb;9(1):58–65

Subcellular distribution of hypothalamic prolactin-like immunoreactivity. Emanuele NV, et al. **Brain Res** 1987 Mar 31;407(2):223–9

Ontogenesis of corticotropes and lactotropes in situ in the pituitary gland of the hamster. An immunohistochemical study. Campbell GT, et al. **Cell Tissue Res** 1986; 245(3):673–9

Immunocytochemical demonstration of growth hormone, prolactin and somatostatin-like immunoreactivities in the brain of larval, young adult and upstream migrant adult sea lamprey, Petromyzon marinus. Wright GM. **Cell Tissue Res** 1986;246(1):23–31

A novel bioassay for lactogenic activity: demonstration that prolactin cells differ from one another in bio- and immuno-potencies of secreted hormone. Frawley LS, et al. **Endocrinology** 1986 Dec;119(6):2867–9

Colocalization of prolactin and growth hormone within specific adenohypophyseal cells in male, female, and lactating female rats. Nikitovitch-Winer MB, et al. **Endocrinology** 1987 Aug;121(2):625–30

A serum-free medium for culturing lactogen dependent and autonomous NB2 node lymphoma cells. Walker A, et al. **Endocrinology** 1987 Jun;120(6):2389–97

Primary structure of common carp prolactins. Yasuda A, et al. **Gen Comp Endocrinol** 1987 May;66(2):280–90

Immunocytochemical localization of prolactin in carcinoma of the cervix. Macfee MS, et al. **Gynecol Oncol** 1987 Mar; 26(3):314–8

Influence of embedding media in prolactin labelling with immunogold techniques. Maldonado CA, et al. **Histochem J** 1986 Aug;18(8):429–33

Prolactin in human cervical mucus. Chan PH, et al. **Int J Fertil** 1986 Jul–Aug;31(3):204–6

Oocyte maturity and human follicular fluid prostanoids, gonadotropins, and prolactin after administration of clomiphene and pergonal. Jeremy JY, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):402–6

Visualization of somatostatin receptors and correlation with immunoreactive growth hormone and prolactin in human pituitary adenomas: evidence for different tumor subclasses. Reubi JC, et al. **J Clin Endocrinol Metab** 1987 Jul; 65(1):65–73

Immunocytochemical localization of prolactin and relaxin C-peptide in human decidua and placenta. Sakbun V, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):339–43

Prolactin in bovine milk near the time of calving and its relationship to premature induction of lactogenesis. Pennington JA, et al. **J Dairy Sci** 1985 May;68(5):1116–22

Evaluation of a commercial immunoenzymometric assay for human prolactin. Clark PM, et al. **J Immunol Methods** 1986 Oct 23;93(1):1–7

Relationship between the steroid and prolactin concentration in follicular fluid and the maturation and fertilization of human oocytes. Reinthaller A, et al. **J In Vitro Fert Embryo Transfer** 1987 Aug;4(4):228–31

Clinical utility of oncofetal proteins and hormones as tumor markers. Garrett PE, et al. **Med Clin North Am** 1986 Nov; 70(6):1295–306 (27 ref.)

Hypothalamic prolactin: characterization by radioimmunoassay and bioassay and response to hypophysectomy and restraint stress. Emanuele NV, et al. **Neuroendocrinology** 1986;44(2):217–21

Cytological changes in the prolactin cells of the pituitary of the freshwater teleost Cirrhinus mrigala (Ham.), in response to osmotic stress and reserpine. Joy KP. **Z Mikrosk Anat Forsch** 1986;100(3):500–5

[Studies on the heterogeneity of human prolactin in the term amniotic fluid] Fukuoka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr;39(4):687–8 **(Jpn)**

[Study of the protein-peptide composition of secretory granules of bovine lactogenic hormone] Nagornaia LV, et al. **Biokhimiia** 1986 Aug;51(8):1348–54 (Eng. Abstr.) **(Rus)**

[Structure of the carbohydrate chain of glycosylated porcine prolactin] Butnev VIu, et al. **Bioorg Khim** 1987 Mar; 13(3):395–9 (Eng. Abstr.) **(Rus)**

[Melatonin and prolactin: their circadian and seasonal rhythms] Bondarenko LA, et al. **Fiziol Zh** 1987 Jul–Aug; 33(4):98–101 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of prolactin secretion by antiserum to the alpha- and beta-subunits of gonadotropin. Blackwell RE, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):863–8

Dose-related prolactin inhibitory effect of the new long-acting dopamine receptor agonist cabergoline in normal cycling, puerperal, and hyperprolactinemic women. Melis GB, et al. **J Clin Endocrinol Metab** 1987 Sep; 65(3):541–5

Metergoline as an inhibitor of prolactin release. Caballero A Sr, et al. **J Reprod Med** 1987 Feb;32(2):115–9

Characterization of a substance in rat serum which modulates prolactin release in vitro. Signorella AP, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):1–10

Quipazine-metoclopramide inhibition of CB-154-induced prolactin suppression in rats: neurotransmitter-metabolite correlations. Lipham LB, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):250–5

BIOSYNTHESIS

Concanavalin A-stimulated murine splenocytes produce a factor with prolactin-like bioactivity and immunoreactivity. Montgomery DW, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):692–8

Analysis of prolactin and growth hormone production in hyperplastic and neoplastic rat pituitary tissues by the hemolytic plaque assay. Lloyd RV, et al. **Cancer Res** 1987 Feb 15;47(4):1087–92

Regulation of prolactin production and cell growth by estradiol: difference in sensitivity to estradiol occurs at level of messenger ribonucleic acid accumulation. Amara JF, et al. **Endocrinology** 1987 Jan;120(1):264–71

Dihydropyridine modulators of voltage-sensitive Ca2+ channels specifically regulate prolactin production by GH4C1 pituitary tumor cells. Enyeart JJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3154–9

Characterization of antiestrogen stimulation of cell number and prolactin production. Amara JF, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):183–9

Antiestrogens are partial estrogen agonists for prolactin production in primary pituitary cultures. Martinez-Campos A, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):127–33

Neuroendocrine effects of light deprivation and pinealectomy in vivo on the time course of changes in prolactin cell activity in vitro. Orstead KM, et al. **Neuroendocrinology** 1987 Mar;45(3):182–90

Photocrosslinking of the signal sequence of nascent preprolactin to the 54-kilodalton polypeptide of the signal recognition particle. Krieg UC, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8604–8

BLOOD

Evidence that exteroceptive stimuli other than suckling have no major effect on plasma prolactin in lactating rats. Mattheij JA, et al. **Acta Endocrinol (Copenh)** 1987 Mar; 114(3):417–25

Laparoscopic ovarian biopsy in hypergonadotropic amenorrhea. Zara C, et al. **Acta Eur Fertil** 1987 Jan–Feb; 18(1):49–53

Plasma cortisol, prolactin and thyroxine levels related to midazolam anaesthesia. Kertész A, et al. **Acta Med Hung** 1986;43(3):283–9

Pituitary-thyroid function and thyrotropin, prolactin and growth hormone responses to TRH in patients with chronic alcoholism. Agner T, et al. **Acta Med Scand** 1986; 220(1):57–62

Central dopaminergic control of prolactin in essential hypertension. Os I, et al. **Acta Med Scand [Suppl]** 1986; 714:113–7

Serum prolactin and cortisol levels after suckling for varying periods of time and the effect of a nipple shield. Amatayakul K, et al. **Acta Obstet Gynecol Scand** 1987; 66(1):47–51

Serum prolactin level changes in the maternal and fetal circulation between the 28th–40th weeks of pregnancy. Hercz P, et al. **Acta Physiol Hung** 1987;69(2):155–9

Prolactin, AVP, angiotensin II, corticosterone and aldosterone in the rat during weaning. Finkel Y, et al. **Acta Physiol Scand** 1987 Mar;129(3):319–23

Unaltered 24 h serum PRL levels and PRL response to TRH in contrast to decreased 24 h serum TSH levels and TSH response to TRH in major depressive disorder. Undén F, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):131–8

Dopamine receptor function in Parkinson's disease—in vivo studies with prolactin responses. Laihinen A, et al.

Adv Neurol 1987;45:249–52

TRH-induced TSH and prolactin responses in the elderly. Jacques C, et al. **Age Ageing** 1987 May;16(3):181–8

Effect of chronic ethanol administration and abstinence on serum thyroid-stimulating hormone, prolactin and growth hormone concentrations in rats with high and low ethanol intake. Männistö PT, et al. **Alcohol Alcohol** 1987; 22(3):251–6

Estrogen, progesterone, prolactin, prostaglandin E2, prostaglandin F2 alpha, 13,14-dihydro-15-keto-prostaglandin F2 alpha, and 6-keto-prostaglandin F1 alpha gradients across the uterus in women in labor and not in labor. Davidson BJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):54–8

Human chorionic gonadotropin, prolactin, estriol, and dehydroepiandrosterone sulfate concentrations in cord blood of premature and term newborn infants: relationship to the sex of the neonate. Yuen BH, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):396–400

Suppressed serum prolactin in sinoaortic-denervated rats. Alexander N, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R290–3

Neuroleptics, prolactin, and osteoporosis [letter] Rogers GA, et al. **Am J Psychiatry** 1987 Mar;144(3):388–9

TSH and prolactin responses to TRH in patients with premenstrual syndrome. Roy-Byrne PP, et al. **Am J Psychiatry** 1987 Apr;144(4):480–4

Serum prolactin levels in sons of alcoholics and control subjects. Schuckit MA, et al. **Am J Psychiatry** 1987 Jul; 144(7):854–9

Reduction in plasma prolactin levels in depressed women after homatropine administration [letter] Stojek A, et al. **Am J Psychiatry** 1986 Nov;143(11):1497

Effect of heat treatment for inactivation of HTLV III virus on serum immunoreactive prolactin. Hardy MJ, et al. **Ann Clin Biochem** 1987 May;24 (Pt 3):322–4

Assays for prolactin: guidelines for the provision of a clinical biochemistry service. Jeffcoate SL, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):638–51 (17 ref.)

Prolactin in partial epilepsy: an indicator of limbic seizures. Sperling MR, et al. **Ann Neurol** 1986 Dec;20(6):716–22

Nocturnal plasma prolactin and cortisol levels in epileptics with complex partial seizures and primary generalized seizures. Molaie M, et al. **Arch Neurol** 1987 Jul; 44(7):699–702

Dopamine agonists in the treatment of hyperprolactinemia. Comparison between bromocriptine and lisuride. Stracke H, et al. **Arzneimittelforschung** 1986 Dec;36(12):1834–6

The acute effects of antidepressants, maprotiline and amoxapine on serum prolactin and gonadotropin levels in normal women. Koizumi K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):517–21

Plasma prolactin and dehydroepiandrosterone sulfate levels in polycystic ovarian disease. Lee JY, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):215–20

Changes in prolactin in peripheral plasma during lactation in the brushtail possum Trichosurus vulpecula. Hinds LA, et al. **Aust J Biol Sci** 1986;39(2):171–8

Plasma prolactin concentrations throughout lactation in the eastern quoll, Dasyurus viverrinus (Marsupialia:Dasyuridae). Hinds LA, et al. **Aust J Biol Sci** 1986;39(2):179–86

Effects of tioconazole on parturition and serum levels of 17 beta-oestradiol, progesterone, LH and PRL in the rat. Latrille F, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1119–24

Hyperprolactinaemia does not alter specific striatal 3H-spiperone binding in the rat. Simpson MD, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3203–8

Effect of metoclopramide treatment on thyrotropin and prolactin levels in sick neonates. Ruppert F, et al. **Biol Neonate** 1986;50(3):141–6

The prolactin response to metoclopramide is increased in depression and in euthymic rapid cycling bipolar patients. Joyce PR, et al. **Biol Psychiatry** 1987 Apr;22(4):508–12

Thyrotropin, prolactin, and growth hormone responses to thyrotropin-releasing hormone in anorexia nervosa and bulimia. Kiriike N, et al. **Biol Psychiatry** 1987 Feb; 22(2):167–76

Prolactin response to TRH in Alzheimer's disease [letter] el-Shazly MA. **Biol Psychiatry** 1987 May;22(5):661–3

Hydergine effect on prolactin and reaction time in dementia [letter] el Sobky A, et al. **Biol Psychiatry** 1986 Oct; 21(12):1229–30

Reproductive effects of olfactory bulbectomy in the Syrian hamster. Clancy AN, et al. **Biol Reprod** 1986 Dec; 35(5):1202–9

Reproductive inhibition and serum prolactin concentrations in laboratory populations of the prairie deermouse. Kirkland LE, et al. **Biol Reprod** 1986 Oct;35(3):579–86

Hormonal changes during the early development of ovarian cysts in the rat. Lee MT, et al. **Biol Reprod** 1986 Oct; 35(3):542–8

Effects of ovariectomy or force feeding on the plasma concentrations of prolactin and luteinizing hormone in incubating turkey hens. Zadworny D, et al. **Biol Reprod** 1987 Feb;36(1):81–8

Plasma lipids and prolactin in patients with breast cancer. Bani IA, et al. **Br J Cancer** 1986 Sep;54(3):439–46

Prolactin response to low dose sulpiride. McMurdo ME, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):133–7

Prolactin measurement in the investigation of infertility in women with a normal menstrual cycle. Glazener CM, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):535–8

Prolactin response induced by ECT and TRH. Papakostas Y, et al. **Br J Psychiatry** 1986 Jun;148:721–3

Effect of environment on the intake of food and water, body weight, egg production and plasma concentrations of corticosterone and prolactin in turkey hens. Zadworny D, et al. **Br Poult Sci** 1986 Dec;27(4):639–50

A comparative study of longitudinal and cross-sectional changes in plasma levels of prolactin and estriol during normal pregnancy. Ferriani RA, et al. **Braz J Med Biol Res** 1986;19(2):183–8

Inhibition of exercise-induced blood prolactin response by acute hypoxia. Bouissou P, et al. **Can J Sport Sci** 1987 Mar;12(1):49–50

Prolactin in cluster headache: diurnal secretion, response to thyrotropin-releasing hormone, and relation to sex steroids and gonadotropins. Waldenlind E, et al. **Cephalalgia** 1987 Mar;7(1):43–54

Chronobiologic quantification of nocturnal low-dose dopamine effect on circadian rhythms of thyroid-related hormones and prolactin (PRL). Kerr DJ, et al. **Chronobiologia** 1986 Jul-Sep;13(3):245–8

Prolactin and stress: some endocrine correlates of pre-operative anxiety. Brooks JE, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):653–6

Nursing behaviour, prolactin and postpartum amenorrhoea during prolonged lactation in American and !Kung mothers. Stern JM, et al. **Clin Endocrinol (Oxf)** 1986 Sep; 25(3):247–58

Influence of ethanol treatment on the plasma concentrations of prolactin and luteinizing hormone in turkeys (Meleagris gallopavo). Ali BH, et al. **Clin Exp Pharmacol Physiol** 1986 Nov-Dec;13(11-12):823–5

Effect on the endocrine system of a new dopaminergic agent, ibopamine. Soreth JT, et al. **Clin Pharmacol Ther** 1987 Jun; 41(6):627–32

Environmental effect on plasma thyroxine (T4), 3,5,3'-triido-L-thyronine (T3), prolactin and cyclic adenosine 3',5'-monophosphate (cAMP) content in the mudskippers Periophthalmus chrysospilos and Boleophthalmus boddaerti. Lee CG, et al. **Comp Biochem Physiol [A]** 1987;87(4):1009–14

Serum prolactin correlates with depressed mood during alcohol withdrawal. Miller F, et al. **Drug Alcohol Depend** 1986 Jul;17(4):331–8

Response of thyrotropin, prolactin and free thyroid hormones to graded exercise in normal male subjects. Hashimoto T, et al. **Endocrinol Jpn** 1986 Oct;33(5):735–41

Induction of daily PRL surges in rats by chronic treatment with progesterone. Kawaminami M, et al. **Endocrinol Jpn** 1987 Feb;34(1):37–44

Evaluation of GnRH administration on the prolactin response to thyrotrophin-releasing hormone in normal women. Minakami H, et al. **Endocrinol Jpn** 1986 Aug;33(4):511–7

Characterization of in vitro dopamine synthesis in the median eminence of rats with haloperidol-induced hyperprolactinemia and bromocriptine-induced hypoprolactinemia. Arita J, et al. **Endocrinology** 1986 Oct; 119(4):1666–72

The effect of transient dopamine antagonism on thyrotropin-releasing hormone-induced prolactin release in ovariectomized rats treated with estradiol and/or progesterone. Haisenleder DJ, et al. **Endocrinology** 1986 Nov;119(5):1996–2003

The effects of transient dopamine antagonism on thyrotropin-releasing hormone-induced prolactin release in pseudopregnant rats. Haisenleder DJ, et al. **Endocrinology** 1986 Nov;119(5):1989–95

The effect of transient dopamine antagonism on thyrotropin-releasing hormone-induced prolactin release in pregnant rats. Haisenleder DJ, et al. **Endocrinology** 1986 Nov;119(5):1980–8

Role of calcium and sodium ions in the inhibitory control of baseline and stimulated prolactin release. Lafond J, et al. **Endocrinology** 1986 Nov;119(5):2012–7

Intracerebroventricular injection of cholecystokinin octapeptide elevates plasma prolactin levels through stimulation of vasoactive intestinal polypeptide. Tanimoto K, et al. **Endocrinology** 1987 Jul;121(1):127–32

Effect of interictal epileptiform discharges on nocturnal plasma prolactin concentrations in epileptic patients with complex partial seizures. Molaie M, et al. **Epilepsia** 1986 Nov-Dec;27(6):724–8

Prolactin in severe toxemia of pregnancy. Miyakawa I, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct; 23(1-2):25–30

The prolactin response to TRH and domperidone does not differentiate male hypothalamic hypogonadism and constitutional delay of puberty. Popović V, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):211–5

Effect of repeated and prolonged stress stimuli on the plasma prolactin concentration in sheep. Wolińska-Witort E, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):265–76

The effect of 6-hydroxydopamine infusion into the third cerebral ventricle on the plasma prolactin levels in anoestrous ewes subjected to prolonged and repeated stress. Wolińska-Witort E, et al. **Exp Clin Endocrinol** 1986 Nov; 88(1):50–6

Prolactin response to thyrotropin-releasing hormone in women with infertility and/or randomly elevated serum prolactin levels. Archer DF. **Fertil Steril** 1987 Apr; 47(4):559–64

Bromocriptine therapy in normoprolactinemic women with unexplained infertility and galactorrhea. DeVane GW, et al. **Fertil Steril** 1986 Dec;46(6):1026–31

Heterogeneous distribution of serum prolactin values in apparently healthy young women, and the effects of oral contraceptive medication. Josimovich JB, et al. **Fertil Steril** 1987 May;47(5):785–91

Time-related changes in the plasma concentrations of prolactin, gonadotropins, sex hormone-binding globulin, and certain steroid hormones in female runners after a long-distance race. Mathur RS, et al. **Fertil Steril** 1986 Dec;46(6):1067–70

The temporal relationship between melatonin and prolactin in women. Webley GE, et al. **Fertil Steril** 1987 Aug; 48(2):218–22

Seasonal changes in testicular size and in plasma follicle-stimulating hormone and prolactin concentrations in thyroidectomized male and thyroidectomized castrated starlings (Sturnus vulgaris). Dawson A, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):38–44

Plasma concentrations of prolactin during the breeding cycle in the Cape gannet (Sula capensis): a foot incubator. Hall MR. **Gen Comp Endocrinol** 1986 Oct;64(1):112–21

Effects of thyroid hormone, stalk section, and transplantation of the pituitary gland on plasma prolactin levels at metamorphic climax in Rana catesbeiana. Kawamura K, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):129–35

Seasonal changes in prolactin and luteinizing hormone in the polyandrous spotted sandpiper, Actitis macularia. Oring LW, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):394–403

Modulation of the prolactin response to thyrotropin releasing hormone by ovarian steroids in ovariectomized turkeys (Meleagris gallopavo). Saeed W, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):129–36

Plasma prolactin and luteinizing hormone levels of pinealectomized and enucleated turkey hens. Siopes TD, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):36–42

Pulsatile luteinizing hormone secretion and clomiphene and bromocriptine response in amenorrheic women with normoprolactinemia and gestagen withdrawal bleeding. Morishita H, et al. **Gynecol Obstet Invest** 1987;23(4):247–56

Prolactinemia during the menstrual cycle. A possible role for prolactin in the regulation of ovarian function. Pansini F, et al. **Gynecol Obstet Invest** 1987;23(3):172–6

Prolactin changes after administration of agonist and antagonist dopaminergic drugs in puerperal women. Petraglia F, et al. **Gynecol Obstet Invest** 1987;23(2):103–9

Use of bromocriptine in the treatment of normoprolactinemic infertility. Ueda K, et al. **Gynecol Obstet Invest** 1987; 24(1):62–7

Prolactin and migraine: effect of L-dopa on plasma prolactin levels in migraineurs and normals. Nattero G, et al. **Headache** 1986 Jan;26(1):9–12

Absence of suppressive effect of somatostatin on prolactin levels in patients with hyperprolactinemia. Bronstein MD, et al. **Horm Metab Res** 1987 Jun;19(6):271–4

Enhanced response of plasma prolactin to metoclopramide during chronic converting enzyme inhibition. Dupont AG, et al. **Horm Metab Res** 1987 May;19(5):212–5

Disparate effects of acute administration of dopamine receptor antagonists on plasma aldosterone and prolactin levels in the rat. Van der Niepen P, et al. **Horm Metab Res** 1987 Jun;19(6):279–80

An enhanced serum prolactin response to TRH in the presence of GABA transaminase inhibition. Wroe SJ, et al. **Horm Metab Res** 1987 Jun;19(6):278–9

Prolactinemia in exercising male athletes. Brisson GR, et al. **Horm Res** 1981;15(4):218–23

TSH and PRL responses to domperidone and TRH in men with insulin-dependent diabetes mellitus of different duration. Coiro V, et al. **Horm Res** 1987;25(4):206–14

Modifications of plasma prolactin levels and catecholamine content in an ectopic anterior pituitary gland transplanted under the kidney capsule. Fernández-Ruiz JJ, et al. **Horm Res** 1987;25(2):105–12

Effect of caerulein on pituitary response to TRH in humans. Scarpignato C, et al. **Horm Res** 1986;24(4):295–301

Changes in fetal and maternal blood levels of prolactin, cortisol, and cortisone during eutocic and dystocic childbirth. Van Cauwenberge JR, et al. **Horm Res** 1987; 25(3):125–31

Prolactin and delay of implantation in lactating adrenalectomized rats. van der Schoot P, et al. **Horm Res** 1986;24(1):46–54

Weight gain and prolactin levels in patients on long-term antipsychotic medication: a double-blind comparative trial of haloperidol decanoate and fluphenazine decanoate. Cookson JC, et al. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:41–51

The influence of S-adenosylmethionine (SAM) on prolactin in depressed patients. Thomas CS, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):97–102

Plasma reproductive hormones in normal and vasectomized Chinese males. Peng XS, et al. **Int J Androl** 1987 Apr; 10(2):471–9

Neuroendocrine effects of setoperone: a new neuroleptic drug. Meco G, et al. **Int J Clin Pharmacol Res** 1986; 6(6):465–8

Prolactin response to clomiphene citrate is different in hyperprolactinemic polycystic ovary syndrome and idiopathic hyperprolactinemia. Lewinthal D, et al.

Int J Fertil 1987 May-Jun;32(3):185-7, 191

Serum ovarian steroids, prolactin and prostaglandin metabolites in women using the inert intrauterine device. Shalev E, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):139-44

beta-Endorphin: intranasal administration increases the serum prolactin level in monkey. Jagannadha Rao A, et al. **Int J Pept Protein Res** 1986 Nov;28(5):546-8

Effect of work load on free and sulfate-conjugated plasma catecholamines, prolactin, and cortisol. Odink J, et al. **Int J Sports Med** 1986 Dec;7(6):352-7

Effect of gonadotropin-releasing hormone on prolactin levels in males unrelated to stress or behavioral changes. Phipps WR, et al. **J Androl** 1987 Jul-Aug;8(4):210-4

Intake, digestion, passage rate and serum prolactin in growing dairy steers fed endophyte-infected fescue with noninfected fescue, clover or wheat straw. Goetsch AL, et al. **J Anim Sci** 1987 Jun;64(6):1759-68

Effects of offering different amounts and types of supplemental feeds to growing dairy steers fed endophyte-infected fescue hay ad libitum on intake, digestion, passage rate and serum prolactin concentration. Goetsch AL, et al. **J Anim Sci** 1987 Jun;64(6):1769-78

Effect of genetic selection for milk yield and increased milking frequency on plasma growth hormone and prolactin concentration in Holstein cows. Kazmer GW, et al. **J Anim Sci** 1986 Oct;63(4):1220-7

Relationship of growth hormone, prolactin and thyrotropin secretion to individual and progeny performance of Hereford bulls. Ohlson DL, et al. **J Anim Sci** 1987 Jul; 65(1):63-7

Hormonal response to milking. Tucker HA. **J Anim Sci** 1971; 32 Suppl 1:137-44

Estradiol, estriol, progesterone, prolactin, and human chorionic gonadotropin in pregnant women with alcohol abuse. Halmesmäki E, et al. **J Clin Endocrinol Metab** 1987 Jan;64(1):153-6

Pharmacokinetic studies of highly purified human prolactin in normal human subjects. Molitch ME, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):299-304

Serum neuroleptic levels, prolactin levels, and relapse: a two-year study of schizophrenic outpatients. Faraone SV, et al. **J Clin Psychiatry** 1987 Apr;48(4):151-4

Early phase II clinical trial of remoxipride in treatment of schizophrenia with measurements of prolactin and neuroleptic activity. Chouinard G. **J Clin Psychopharmacol** 1987 Jun;7(3):159-64

Concentration of thyroid hormones and prolactin in dairy cattle serum and milk at three stages of lactation. Akasha MA, et al. **J Dairy Sci** 1987 Feb;70(2):271-6

Effect of corticosterone on circulating concentrations of corticosterone, prolactin, thyroid hormones and somatomedin C and on fattening in broilers selected for high or low fat content. Buyse J, et al. **J Endocrinol** 1987 Feb;112(2):229-37

Episodic prolactin and growth hormone secretion not related to the actual suckling activity in lactating rats. Nagy G, et al. **J Endocrinol** 1986 Oct;111(1):137-42

Changes in plasma concentrations of LH, FSH and prolactin in ewes receiving melatonin and short-photoperiod treatments to induce early onset of breeding activity. Poulton AL, et al. **J Endocrinol** 1987 Jan;112(1):103-11

Prolactin unresponsiveness to repeated sulpiride administration in man: recent findings. Bernini GP, et al. **J Endocrinol Invest** 1987 Apr;10(2):131-5

Effect of simultaneous administration of GHRH (1-40) and TRH on GH, PRL and TSH secretion in normal man. Giusti M, et al. **J Endocrinol Invest** 1986 Dec;9(6):497-501

The relationship between plasma prolactin and testosterone levels in male hypogonadism. Hipkin LJ, et al. **J Endocrinol Invest** 1986 Dec;9(6):453-7

Naloxone increases the response of growth hormone and prolactin to stimuli in obese humans. Plewe G, et al. **J Endocrinol Invest** 1987 Apr;10(2):137-41

Plasma prolactin concentrations in lead exposed workers. Govoni S, et al. **J Environ Pathol Toxicol Oncol** 1987 Mar-Apr;7(4):13-5

Basal serum prolactin levels and prolactin responses to constant infusions of thyrotropin releasing hormone in healthy aging men. Blackman MR, et al. **J Gerontol** 1986 Nov;41(6):699-705

Psychological distress, depression and prolactin response in stressed persons. Jacobs S, et al. **J Human Stress** 1986 Fall; 12(3):115-8

Augmented Hageman factor and prolactin titers, enhanced cold activation of factor VII, and spontaneous shortening of prothrombin time in survivors of myocardial infarction. Gordon EM, et al. **J Lab Clin Med** 1987 Apr;109(4):409-13

Effects of hyperprolactinemia on plasma prolactin and glucose and on local cerebral glucose utilization. Selmanoff M, et al. **J Neurochem** 1987 Jan;48(1):94-101

Serum prolactin in evaluation of epileptic seizures [letter] Galdos L, et al. **J Neurol** 1987 Apr;234(3):191

Increased prolactin response to thyrotropin releasing hormone during migraine attacks. Papakostas Y, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):927-8

Attenuation of the plasma prolactin response to restraint stress after acute and chronic administration of nicotine to rats. Sharp BM, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):438-42

Melatonin lowers plasma prolactin levels in female red deer (Cervus elaphus). Adam CL, et al. **J Pineal Res** 1987; 4(1):13-20

Effect of photoperiod on LH, FSH and prolactin patterns in ovariectomized oestradiol-treated heifers. Critser JK, et al. **J Reprod Fertil** 1987 Mar;79(2):599-608

Pituitary response to LHRH, LH pulsatility and plasma melatonin and prolactin changes in ewe lambs treated with melatonin implants to delay puberty. Kennaway DJ, et al. **J Reprod Fertil** 1986 Sep;78(1):137-48

Fetal gender effects on maternal serum prolactin levels. Gonzalez FA, et al. **J Reprod Med** 1987 Jan;32(1):21-4

Correlation study between prolactin and androgens in male patients with systemic lupus erythematosus. Lavalle C, et al. **J Rheumatol** 1987 Apr;14(2):268-72

Alcohol effects on naloxone-stimulated luteinizing hormone, prolactin and estradiol in women. Mendelson JH, et al. **J Stud Alcohol** 1987 Jul;48(4):287-94

The effect of magnesium aspartate, xylazine and morphine on the immobilization-induced increase in the levels of prolactin in turkey plasma. Ali BH, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):119-26

Effect of a low-fat diet on hormone levels in women with cystic breast disease. II. Serum radioimmunoassayable prolactin and growth hormone and bioactive lactogenic hormones. Rose DP, et al. **JNCI** 1987 Apr;78(4):627-31

Serum prolactin, cortisol and growth hormone concentrations after various epileptic seizures. Takeshita H, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):617-23

Hypoprolactinaemia [editorial] **Lancet** 1987 Jun 13; 1(8546):1356-7

Restraint stress depresses prolactin surges in pseudopregnant rats and adrenalectomy does not alter the response. Morehead MH, et al. **Life Sci** 1987 Sep 21;41(12):1491-8

Vasopressin and oxytocin reduce plasma prolactin levels of conscious rats in basal and stress conditions. Study of the characteristics of the receptor involved. Mormede P, et al. **Life Sci** 1986 Nov 10;39(19):1737-43

Mammary gland growth and serum levels of prolactin and growth hormone in four strains of male mice in comparison with females. Nagasawa H, et al. **Life Sci** 1987 Apr 13; 40(15):1473-8

The effect of danazol on prolactin concentration in premenopausal women with endometriosis. Milewicz A, et al. **Mater Med Pol** 1986 Sep-Dec;18(4):235-7

Serum prolactin levels after buspirone in man. Seppälä T, et al. **Med Biol** 1987;65(1):61-3

Gradual recovery of lactotroph responsiveness to dynamic stimulation following surgical removal of prolactinomas: long-term follow-up studies. Arafah BM, et al. **Metabolism** 1986 Oct;35(10):905-12

Prolactin levels after pregnancy [letter] **N Engl J Med** 1987 Aug 6;317(6):384-6

Long-term weekly gonadal steroid treatment: effects on plasma prolactin, sexual behavior and hypothalamic-preoptic area catecholamines. Clark JT, et al. **Neuroendocrinology** 1986;44(4):488-93

Effect of elevated prolactin levels on the synthesis and release of catecholamines from the adrenal medulla in female rats. Fernandez-Ruiz J, et al. **Neuroendocrinology** 1987 Mar; 45(3):208-11

Comparison of plasma profiles of oxytocin and prolactin following suckling in the rat. Grosvenor CE, et al. **Neuroendocrinology** 1986;43(6):679-85

Alpha-2-adrenergic control of prolactin release. Lien EL, et al. **Neuroendocrinology** 1986;44(2):184-9

Prolactin and TSH response to TRH and metoclopramide before and after l-thyroxine therapy in subclinical hypothyroidism. Lombardi G, et al. **Neuroendocrinology** 1986;43(6):676-8

Reversal of the delta-9-tetrahydrocannabinol inhibitory effect on prolactin secretion by rostral deafferentation of the medial basal hypothalamus. Tyrey L. **Neuroendocrinology** 1986;44(2):204-10

A pharmacological dose of melatonin increases PRL levels in males without altering those of GH, LH, FSH, TSH, testosterone or cortisol. Waldhauser F, et al. **Neuroendocrinology** 1987 Aug;46(2):125-30

Serum prolactins in the diagnosis of epilepsy: sensitivity, specificity, and predictive value. Yerby MS, et al. **Neurology** 1987 Jul;37(7):1224-6

Diurnal rhythms of plasma cortisol, beta-endorphin and prolactin, and cerebrospinal fluid amine metabolite levels before suicide. Case report. Dent RR, et al. **Neuropsychobiology** 1986;16(2-3):64-7

Effect of sulpiride on plasma prolactin in healthy volunteers and depressed patients. Kaneko Y, et al. **Neuropsychobiology** 1986;15(3-4):155-9

Relation between plasma prolactin and plasma homovanillic acid in normal subjects. Roy-Byrne PP, et al. **Neuropsychobiology** 1986;16(2-3):85-7

Prospective randomized trial concerning hyper- and normoprolactinemia and the use of bromoergocryptine in patients with metastatic breast cancer. Fritze D, et al. **Onkologie** 1986 Dec;9(6):305-12

Plasma prolactin response to submaximal stimulation by TRH and endogenous corticosteroids in man. Spoov J. **Pharmacopsychiatry** 1987 May;20(3):96-8

The acute effects of pergolide in cyclical oedema. Young JB, et al. **Pharmatherapeutica** 1986;4(9):551-4

Time course of the corticosterone and prolactin response following predictable and unpredictable novelty stress in Rattus norvegicus. Muir JL, et al. **Physiol Behav** 1987; 40(1):103-7

Induction of maternal behavior in incubating and non-incubating hens: influence of hormones. Richard-Yris MA, et al. **Physiol Behav** 1987;40(2):193-9

The effect of pituitary homografts on the accessory sex organs and serum hormonal levels with or without androgen in mature male rats. Chang CL. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):129-34

Seasonal and photoperiod-induced changes in serum prolactin and pituitary responsiveness to thyrotropin-releasing hormone in the mare. Johnson AL. **Proc Soc Exp Biol Med** 1987 Jan;184(1):118-22

Ultradian (12-hr) significant component in serum prolactin of healthy women and patients with fibrocystic mastopathy. D'Allesandro B, et al. **Prog Clin Biol Res** 1987;227B:281-4

Differential responsivity of corticosterone and prolactin to stress following lesions of the septum or amygdala: implications for psychoneuroendocrinology. Seggie J. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2-3):315-24

Peripheral plasma levels of prostaglandin metabolites, cortisol and prolactin in women undergoing falope ring application and tubal cautery. Wolfe WM, et al. **Prostaglandins Leukotrienes Med** 1986 Nov;25(1):31-8

Involvement of prostate in the regulation of serum levels of FSH, LH, and prolactin in male rats. Hurkadli KS, et al. **Prostate** 1986;9(4):411-6

Circulating levels of inhibin, prolactin, TSH, LH, and FSH in benign prostatic hypertrophy before and after tumor resection. Phadke MA, et al. **Prostate** 1987;10(2):115-22

Effects of desipramine and total sleep deprivation on hormonal levels of healthy subjects. Calil HM, et al. **Psychiatry Res** 1987 Aug;21(4):337-48

Role of stress in the exacerbation of chronic illness: effects of clonidine administration on blood pressure and plasma norepinephrine, cortisol, growth hormone and prolactin concentrations. Lechin F, et al. **Psychoneuroendocrinology** 1987;12(2):117-29

Associations among plasma prolactin levels, tardive dyskinesia, and paranoia in treated schizophrenics: relevance to supersensitivity psychosis. Csernansky JG, et al. **Psychopharmacol Bull** 1986;22(3):897-9

Multiendocrine assessment in the dexamethasone suppression test. Risch SC, et al. **Psychopharmacol Bull** 1986; 22(3):913-6

The effect of bupropion on prolactin in a patient with a pituitary microadenoma. Harsch HH. **Psychopharmacology (Berlin)** 1987;92(3):402

The effect of acute and repeated electroconvulsive treatment on plasma beta-endorphin, growth hormone, prolactin and cortisol secretion in depressed patients. Weizman A, et al. **Psychopharmacology (Berlin)** 1987;93(1):122-6

Effects of a long-acting LHRH agonist preparation on plasma gonadotropin and prolactin levels in castrated male rats and on the release of prolactin from ectopic pituitaries. Sellers KJ, et al. **Regul Pept** 1986 Oct;15(3):219-28

Effect of electroimmobilisation on ovine plasma concentrations of beta-endorphin/beta-lipotrophin, cortisol and prolactin. Jephcott EH, et al. **Res Vet Sci** 1986 Nov;41(3):371-7

Prolactin response to stress in neonatally estrogenized male rats. Pinilla L, et al. **Rev Esp Fisiol** 1986 Dec;42(4):525-8

Endocrine and haemodynamic responses to graded dopamine infusion in essential hypertension. Os I, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):371-7

Circadian alterations in prolactin, corticosterone, and thyroid hormone levels and down-regulation of prolactin receptor activity by 2,3,7,8-tetrachlorodibenzo-p-dioxin. Jones MK, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):337-50

Prolactin as a marker of rejection in human heart transplantation. Carrier M, et al. **Transplant Proc** 1987 Aug; 19(4):3442-3

Correlation between changes in prolactin and melatonin serum levels after radical mastectomy. Lissoni P, et al. **Tumori** 1987 Jun 30;73(3):263-7

Serum prolactin assays have no prognostic value in treatment of prostatic cancer by orchidectomy or estrogens. Stege R, et al. **Urol Int** 1987;42(2):124-6

Serum gastrin, calcitonin, and prolactin as markers of multiple endocrine neoplasia syndromes in patients with primary hyperparathyroidism. Farndon JR, et al. **World J Surg** 1987 Apr;11(2):252-7

[The significance of prolactin levels in schizophrenia] Libiger J. **Cesk Psychiatr** 1986 Oct;82(5):337-41 **(Cze)**

[Effect of thyroidectomy on variations during the spring and summer of the testicular activity and blood prolactin in the mink] Jacquet JM, et al. **C R Acad Sci [III]** 1986; 303(9):367-70 (Eng. Abstr.) **(Fre)**

[Disjunction between the daily duration of light and the plasma level of prolactin under hyperlong days in rams] Ravault JP, et al. **C R Acad Sci [III]** 1986;303(14):629-31 (Eng. Abstr.) **(Fre)**

[Action of Parlodel on the preovulatory peak of estrogens and the ovulatory response of patients with abnormal ovulation and normal blood prolactin] Hedon B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):499-506 (Eng. Abstr.) **(Fre)**

[Post-crisis elevation of adrenocorticotropic hormone and prolactin in epileptic children] Giroud M, et al. **Presse Med** 1986 Sep 6;15(28):1307-9 (Eng. Abstr.) **(Fre)**

[Treatment of mastopathies with cyclic mastodynia. Clinical results and hormonal profiles] Kubista E, et al.

Rev Fr Gynecol Obstet 1987 Apr;82(4):221–7 (Eng. Abstr.) **(Fre)**

[Increased endogenous dopamine activity in diabetes mellitus. Inhibition of plasma renin activity, aldosterone and prolactin secretion] Jungmann E, et al. **Fortschr Med** 1986 Dec 4;104(45):869–70 **(Ger)**

[Effect of serum prolactin on cycle stimulation and fertilization of human oocytes] Reinthaller A, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):246–8 (Eng. Abstr.) **(Ger)**

[The vaginal smear and hormonal status] Gitsch E, et al. **Gynakol Rundsch** 1986;26(3):158–65 (Eng. Abstr.) **(Ger)**

[Endocrine rhythms in patients with rheumatoid arthritis: possible neurohormonal influence on immunological reactions] Neeck G, et al. **Immun Infekt** 1987 Jul; 15(4):135–40 (Eng. Abstr.) **(Ger)**

[Prolactin—a diagnostic aid in cerebral seizures] Kurlemann G, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):95–7 (Eng. Abstr.) **(Ger)**

[Decrease of plasma prolactin in valproate therapy—expression of an increase in the activity of the central GABAergic system] Kurlemann G, et al. **Monatsschr Kinderheilkd** 1987 Apr;135(4):218–9 (Eng. Abstr.) **(Ger)**

[Differential diagnostic value of postictal serum prolactin determination] Mautner VF, et al. **Nervenarzt** 1987 Jul; 58(7):456–8 (Eng. Abstr.) **(Ger)**

[Metergoline in hyperprolactinemic breast cancer: a phase II study] Holtkamp W, et al. **Onkologie** 1986 Oct;9(5):245–8 (Eng. Abstr.) **(Ger)**

[GnRH-TRH and arg-GnRH-TRH test in females with normoprolactinemic galactorrhea] Rudolf K, et al. **Zentralbl Gynakol** 1987;109(8):510–6 (Eng. Abstr.) **(Ger)**

[Relation between corpus luteum function and serum prolactin concentration early in pregnancy] Stubert B, et al. **Zentralbl Gynakol** 1986;108(21):1318–23 (Eng. Abstr.) **(Ger)**

[Relation between corpus luteum function and serum prolactin concentration in early pregnancy] Stubert B, et al. **Zentralbl Gynakol** 1986;108(20):1237–41 (Eng. Abstr.) **(Ger)**

[Changes in plasma concentration of prolactin in the first hours and the first day of life of fullterm healthy newborn infants] Bruchi S, et al. **Boll Soc Ital Biol Sper** 1986 Nov 30;62(11):1337–41 (Eng. Abstr.) **(Ita)**

[Radioimmunoassay determination of LH, FSH, prolactin, TSH and ACTH in the preovulatory phase under basal conditions and after treatment with a prostaglandin analog] Melloni GF, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30; 62(8):947–53 (Eng. Abstr.) **(Ita)**

[Various hormonal parameters (ACTH, cortisol, somatotropic hormone and prolactin) following administration of a single high dose of pantethine in healthy subjects] Sellini M, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):143–5 (Eng. Abstr.) **(Ita)**

[Pituitary prolactin reserve in acute exacerbation of chronic respiratory insufficiency] Nardoni A, et al. **Minerva Med** 1987 Jun 15;78(11):733–7 (Eng. Abstr.) **(Ita)**

[Prolactin, a marker of essential headache?] Nattero G, et al. **Minerva Med** 1987 Jul 31;78(14):989–92 **(Ita)**

[Serum prolactin levels in chronic schizophrenics] Ravalli S, et al. **Minerva Psichiatr** 1987 Jan–Mar;28(1):31–4 (Eng. Abstr.) **(Ita)**

[GH and PRL after TRH and hpGRF(1–40) administration in 2 cases of acromegaly with hyperprolactinemia] Sampaolo G, et al. **Recenti Prog Med** 1987 Mar;78(3):115–8 (Eng. Abstr.) **(Ita)**

[Study of the profiles of prolactin and other hormones in both maternal plasma and amniotic fluid during labor] Kubota T, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar 20;63(3):215–26 (Eng. Abstr.) **(Jpn)**

[Correlation of LH and prolactin pulses in normoprolactinemic women with ovulatory disturbances and variation of LH and FSH pulses and secreting capacity by administration of bromocriptine in the same cases] Kato K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2241–50 (Eng. Abstr.) **(Jpn)**

[Combined therapy of bromocriptine, clomiphene citrate and HMG in normoprolactinemic amenorrhea patients who fail to respond to bromocriptine–clomiphene citrate therapy] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):455–62 (Eng. Abstr.) **(Jpn)**

[The combined effect of bromocriptine and clomiphene citrate on normoprolactinemic anovulation; the lack of effectiveness of clomiphene citrate treatment alone] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2223–30 (Eng. Abstr.) **(Jpn)**

[Transient hyperprolactinemia during ovulation induction with gonadotropin releasing hormone (GnRH) pulsatile administration] Kuroda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):785–91 (Eng. Abstr.) **(Jpn)**

[Superovulation-induced transient hyperprolactinemia in human in vitro fertilization and embryo transfer] Oda T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan; 39(1):113–20 (Eng. Abstr.) **(Jpn)**

[Indication and effect of bromocriptine in euprolactinemic amenorrhea—comparison with clomiphene] Tamada T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):621–5 (Eng. Abstr.) **(Jpn)**

[Growth hormone and prolactin levels in patients with Horton's headache] Klimek A. **Endokrynol Pol** 1986; 37(6):287–92 (Eng. Abstr.) **(Pol)**

[Serum levels of prolactin, estradiol, testosterone and sex hormone-binding globulin in women with breast cancer treated with cytostatics and anti-estrogens] Grodecka-Gazdecka S, et al. **Ginekol Pol** 1986 Dec; 57(12):778–83 (Eng. Abstr.) **(Pol)**

[Serum prolactin level in women with hypothyroidism after menopause] Zych F, et al. **Pol Tyg Lek** 1987 Feb 23; 42(8):215–7 (Eng. Abstr.) **(Pol)**

[Changes in the prolactin and thyrotropin content as affected by thyroliberin in patients with polycystic ovaries] Tudose TI, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):64–7 (Eng. Abstr.) **(Rus)**

[Effect of anxiolytics—buspirone and diazepam—on the prolactin, thyrotropin and cortisol content of the blood in the green monkey] Korneev AIa, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):726–9 (Eng. Abstr.) **(Rus)**

[Hormonal status and emotional characteristics of patients with alopecia areata] Mashkilleison AL, et al. **Vestn Dermatol Venerol** 1986;(10):9–13 (Eng. Abstr.) **(Rus)**

[Possibility of using tumor markers, pituitary gonadotropic hormones and prolactin in the diagnosis of breast cancer] Korolev VI, et al. **Vopr Onkol** 1986;32(11):55–9 (Eng. Abstr.) **(Rus)**

[Concentration of prolactin in the plasma of schizophrenic patients with positive and negative symptoms] Prasad AD. **Zh Nevropatol Psikhiatr** 1986;86(9):1400–1 (Eng. Abstr.) **(Rus)**

[Prolactin: a function test with cimetidine] Nucete HJ, et al. **Acta Cient Venez** 1986;37(2):185–7 (Eng. Abstr.) **(Spa)**

[Prognostic value of serum prolactin in the treatment of prostatic cancer] Maganto E, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):441–4 (Eng. Abstr.) **(Spa)**

[Differences in the hormonal evaluation of 2 groups of acromegaly patients with different serum prolactin levels] Estopiñán V, et al. **Med Clin (Barc)** 1987 Apr 4; 88(13):531–4 (Eng. Abstr.) **(Spa)**

[Effect of chronic consumption of alcohol on the hypothalamo–pituitary–testicular axis in the rat] Mateos A, et al. **Rev Esp Fisiol** 1987 Mar;43(1):33–7 (Eng. Abstr.) **(Spa)**

[Determination of plasma prolactin in patients with breast dysplasia] Vázquez Albaladejo C, et al. **Rev Esp Oncol** 1983;30(3):323–36 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

A receptor-mediated mechanism for the transport of prolactin from blood to cerebrospinal fluid. Walsh RJ, et al. **Endocrinology** 1987 May;120(5):1846–50

Somatostatin, beta-endorphin, and prolactin levels in human cerebrospinal fluid during the gamma-vinyl-GABA treatment of patients with complex partial epilepsy. Pitkänen A, et al. **Neuropeptides** 1987 Apr;9(3):185–95

DEFICIENCY

Isolated deficiency of tyrosine hydroxylase immunoreactivity in tuberoinfundibular neurons in pituitary prolactin-deficient Snell dwarf mice. Phelps CJ. **Brain Res** 1987 Jul 28;416(2):354–8

Effect of neonatal prolactin deficiency on prepubertal tuberoinfundibular and tuberohypophyseal dopaminergic neuronal activity. Grosvenor CE, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):223–8

Adrenal catecholamine content: effects of congenital GH, PRL and TSH deficiency and of hormone replacement therapy in the male mouse. Lewiński A, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):176–82

Isolated prolactin deficiency in a woman with puerperal alactogenesis. Kauppila A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):309–12

GENETICS

Structure and regulated expression of bovine prolactin and bovine growth hormone genes. Rottman F, et al. **Adv Exp Med Biol** 1986;205:281–99

Detection of prolactin messenger RNA in rat anterior pituitary by in situ hybridization. Lloyd RV, et al. **Am J Pathol** 1986 Oct;125(1):35–44

Cloning and sequence analysis of cDNA for mouse prolactin. Harigaya T, et al. **Biochim Biophys Acta** 1986 Oct 16; 868(1):30–8

The related genes encoding growth hormone and prolactin have been dispersed to chromosomes 10 and 17 in the rat. Cooke NE, et al. **Endocrinology** 1986 Dec;119(6):2451–4

Measurement of messenger ribonucleic acid for luteinizing hormone beta-subunit, alpha-subunit, growth hormone, and prolactin after hypothalamic pituitary disconnection in ovariectomized ewes. Hamernik DL, et al. **Endocrinology** 1986 Dec;119(6):2704–10

Prolactin messenger ribonucleic acid levels in the normal and hypogonadal mouse pituitary gland. Stanley HF, et al. **Endocrinology** 1986 Dec;119(6):2422–6

Familial occurrence of big-big prolactin as the predominant immunoreactive human prolactin species in blood. Larrea F, et al. **Fertil Steril** 1987 Jun;47(6):956–63

Synthesis of growth hormone-prolactin chimeric proteins and processing mutants by the exchange and deletion of genomic exons. Liebhaber SA, et al. **J Biol Chem** 1986 Oct 25;261(30):14301–6

Direct probing of the interaction between the signal sequence of nascent preprolactin and the signal recognition particle by specific cross-linking. Wiedmann M, et al. **J Cell Biol** 1987 Feb;104(2):201–8

Estradiol stimulates prolactin gene transcription in primary cultures of rat anterior pituitary cells. Shull JD, et al. **J Steroid Biochem** 1987 Apr;26(4):451–6

Ca2+/calmodulin regulation of prolactin gene expression. White BA, et al. **Methods Enzymol** 1987;139:655–67

The rat prolactin gene contains at least six poly(dT-dG).poly(dC-dA) repeats. McFarlane D, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7805

Selective transcription and DNase I protection of the rat prolactin gene by GH3 pituitary cell-free extracts. Gutierrez-Hartmann A, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5211–5

Molecular cloning of a prolactin-related mRNA expressed in bovine placenta. Schuler LA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5650–4

Two different cis-active elements transfer the transcriptional effects of both EGF and phorbol esters. Elsholtz HP, et al. **Science** 1986 Dec 19;234(4783):1552–7

Identification by cell fusion of gene sequences that interact with positive trans-acting factors. Lufkin T, et al. **Science** 1987 Jul 17;237(4812):283–6

The hormonal regulation of prolactin gene expression: an examination of mechanisms controlling prolactin synthesis and the possible relationship of estrogen to these mechanisms. Shull JD, et al. **Vitam Horm** 1986;43:197–249 (129 ref.)

[Regulation of prolactin and growth hormone gene expression in pituitary cell culture] Laverrière JN, et al. **Ann Endocrinol (Paris)** 1986;47(1):22–7 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Anti-prolactin cell-surface immunoreactivity identifies a subpopulation of lactotrophs from the rat anterior pituitary. St. John PA, et al. **Endocrinology** 1986 Dec;119(6):2783–95

[The role of prolactin and sex steroids in the pathophysiology of the milk gland. 2. Morphological appearance of the milk gland in pseudopregnant female rabbits after active immunization with prolactin] Wołczyński S, et al. **Ginekol Pol** 1986 May;57(5):327–31 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Purification and characterization of toad prolactin. Yamamoto K, et al. **Gen Comp Endocrinol** 1986 Jul; 63(1):104–9

Elephant prolactin: isolation and characterization. Li CH, et al. **Int J Pept Protein Res** 1987 Apr;29(4):472–7

Multiple forms of pituitary prolactin, a glycosylated form of porcine prolactin with enhanced biological activity. Pankov YuA, et al. **Int J Pept Protein Res** 1986 Aug; 28(2):113–23

METABOLISM

Amniotic fluid prolactin, decidual prolactin content and decidual prolactin secretion into hypo-, iso-, and sodium chloride hyperosmotic media in vitro in pregnant diabetics at term. Andersen JR, et al. **Acta Diabetol Lat** 1986 Oct–Dec;23(4):301–7

Investigation into the role of dopamine and lysosomes in the impairment of prolactin transformation and release imposed by long periods of non-suckling in the rat. Mena F, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):371–8

Elevated prolactin level in prostates with latent carcinoma. Yatani R, et al. **Ann Clin Lab Sci** 1987 May–Jun; 17(3):178–82

Improvement of prolactin immunolabelling in osmium-fixed acrylic-embedded pituitary gland. Maldonado CA, et al. **Basic Appl Histochem** 1986;30(3):301–5

The role of prolactin and progesterone in the regulation of lipogenesis in maternal and foetal rat liver in vivo and in isolated hepatocytes during the last day of gestation. Lorenzo M, et al. **Biochem J** 1986 Oct 1;239(1):135–9

Steroid inhibition of calcitriol-induced prolactin production in GH4C1 cells. Specificity and sensitivity. Wark JD, et al. **Biochem J** 1987 Jan 15;241(2):397–401

The specificity of binding of growth hormone and prolactin to purified plasma membranes from pregnant-rabbit liver. Webb CF, et al. **Biochem J** 1986 Jun 15;236(3):657–63

Evidence for dopaminergic regulation of prolactin and a luteotropic complex in the ferret. Agu GO, et al. **Biol Reprod** 1986 Oct;35(3):508–15

Presence and possible significance of immunohistochemically demonstrable prolactin in breast apocrine metaplasia. Kumar S, et al. **Br J Cancer** 1987 Mar;55(3):307–9

Selective and extremely long inhibition of prolactin release in man by 1-ethyl-3-(3'-dimethylaminopropyl)-3-(6'-allylergoline-8'-beta- carbonyl)-urea-diphosphate (FCE 21336). Pontiroli AE, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):433–8

Prolactin release-inhibitory effects of progesterone, megestrol acetate, and mifepristone (RU 38486) by cultured rat pituitary tumor cells. Lamberts SW, et al. **Cancer Res** 1987 Jul 15;47(14):3667–71

Increased prolactin binding and morphological changes in

the wound epithelium of regenerating limbs of Notophthalmus viridescens. Furlong ST, et al. **Cell Tissue Res** 1987 Aug;249(2):411–9

Prolactin binding protein in human milk. Clandinin MT, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):209–15

Roles of the arcuate nucleus and ovary in the maturation of growth hormone, prolactin, and nongranulated cells in the mouse adenohypophysis during postnatal development: a stereological morphometric study by electron microscopy. Sasaki F, et al. **Endocrinology** 1986 Oct; 119(4):1682–9

Homovanillic acid and prolactin in plasma and CSF of medicated epileptic patients. Kalfakis N, et al. **Epilepsia** 1987 Mar–Apr;28(2):138–41

Nafazatrom, an arachidonate metabolism inhibitor, decreases prolactin and GH release. Judd AM, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):151–6

The putatively selective dopamine autoreceptor antagonists (+)-AJ 76 and (+)-UH 232 stimulate prolactin release in rats. Svensson K, et al. **Eur J Pharmacol** 1986 Nov 4; 130(3):237–42

Characteristics of prolactin binding sites in the brain of the ring dove (Streptopelia risoria). Buntin JD, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):243–53

Prolactin binding sites in Xenopus laevis tissues: comparison between normal and dehydrated animals. Guardabassi A, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):40–7

Evidence that vasoactive intestinal polypeptide is a physiological prolactin-releasing factor in the bantam hen. Macnamee MC, et al. **Gen Comp Endocrinol** 1986 Jun; 62(3):470–8

Synthesis and storage of prolactin in the pituitary gland of bullfrog tadpoles during metamorphosis. Yamamoto K, et al. **Gen Comp Endocrinol** 1986 May;62(2):247–53

Ultrastructural localization of exocytotic release sites in immunocytochemically characterized cell types. A combination of two methods. van Putten LJ, et al. **Histochemistry** 1987;86(4):375–8

Radioreceptor assay for lactogenic hormones based on membranes from rat mammary tumour. Pahnke VG, et al. **Horm Metab Res** 1986 Oct;18(10):680–5

Effect of dihydroergocryptine and dihydroergocristine on cyclic AMP accumulation and prolactin release in vitro: evidence for a dopaminomimetic action. Fiore L, et al. **Ho.m Res** 1987;25(3):171–7

Arachidonic acid and its lipoxygenase metabolites stimulate prolactin release in superfused pituitary cells. Kiesel L, et al. **Hum Reprod** 1987 May;2(4):281–5

Angiotensin II promotes prolactin release from normal human anterior pituitary cell cultures in a calcium-dependent manner. Malarkey WB, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):713–7

Specific binding sites for LH/chorionic gonadotrophin, low-density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. I: Validation of methods. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):305–15

Receptors for lactogenic hormones in the ovine corpus luteum. I: A major discrepancy in the specific binding of radiolabelled ovine prolactin and human growth hormone. Bramley TA, et al. **J Endocrinol** 1987 Jun;113(3):365–74

Receptors for lactogenic hormones in the ovine corpus luteum. II: Specific inactivation of ovine prolactin. Bramley TA, et al. **J Endocrinol** 1987 Jun;113(3):375–81

The occurrence of pituitary prolactin depletion–transformation in lactating rats: dependence on strain of rats, homogenization conditions and method of assay. Lawson DM, et al. **J Endocrinol** 1987 Apr; 113(1):71–80

Influence of bromocriptine and oestrogen on prolactin synthesis, secretion and tumour growth in vivo in rats. Vrontakis ME, et al. **J Endocrinol** 1987 Jun;113(3):383–8

Lack of prolactin involvement in corticosteroid secretion. Hugues JN, et al. **J Endocrinol Invest** 1987 Feb;10(1):15–20

Linear Percoll gradient centrifugation of rat anterior pituitary cells. A simple method for prolactin cell enrichment. Velkeniers B, et al. **J Endocrinol Invest** 1987 Jun; 10(3):247–53

Characterization of renal prolactin-binding sites of two amphibians (Ambystoma tigrinum and Rana catesbeiana) and a reptile (Pseudemys scripta elegans). Tarpey JF, et al. **J Exp Zool** 1987 Mar;241(3):317–25

Postnatal development of growth hormone and prolactin cells in male and female rat pituitary. An immunocytochemical light and electron microscopic study. Smets G, et al. **J Histochem Cytochem** 1987 Mar; 35(3):335–41

Relationship of human oocyte maturity, fertilization, and cleavage to follicular fluid prolactin and steroids. Lee MS, et al. **J In Vitro Fert Embryo Transfer** 1987 Jun;4(3):168–72

Purification and characterization of ovarian LH/hCG and prolactin receptors. Dufau ML, et al. **J Recept Res** 1987; 7(1–4):167–93

Concentrations of steroid hormones, and of prolactin, in washings of the human uterus during the menstrual cycle. Stone BA, et al. **J Reprod Fertil** 1986 Sep;78(1):21–5

Prolactin binding sites in human erythrocytes and lymphocytes. Bellussi G, et al. **Life Sci** 1987 Aug 24; 41(8):951–9

Hepatic prolactin binding is rapidly altered by endotoxin in lactating mice. Carr JK, et al. **Life Sci** 1987 Sep 21; 41(12):1507–15

Specific binding sites for prolactin and growth hormone in the adult rabbit lung. Amit T, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):17–24

Purification of prolactin receptors from sow mammary gland and polyclonal antibody production. Berthon P, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):71–81

Cyclic AMP inhibits the synthesis and release of prolactin from human decidual cells. Handwerger S, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):99–106

Plasma and pituitary content of growth hormone luteinizing hormone, and prolactin in uremic rats. Effects of chronic infusion of insulin. Lacour B, et al. **Nephron** 1986; 44(3):235–9

Immunoreactive prolactin in the rat hypothalamus: in vitro release and subcellular localization. DeVito WJ, et al. **Neuroendocrinology** 1987 Aug;46(2):155–61

The secretory activity of the tuberoinfundibular dopaminergic neurons is modulated by the thyroid status in the adult rat: consequence on prolactin secretion. Reymond MJ, et al. **Neuroendocrinology** 1987 Jun; 46(1):62–8

Differential spontaneous and stimulated in vitro release of newly synthesized or stored rGH and rPRL by pituitaries from rats with hypothalamic lesions. Stachura ME, et al. **Neuroendocrinology** 1986;44(2):195–203

Prolactin response in PD [letter] Caraceni T, et al. **Neurology** 1987 Apr;37(4):729–30

Dopamine D2 receptors are restricted to the prolactin cells in the rabbit pituitary gland: a combined autoradiographic and immunocytochemical study. Schimchowitsch S, et al. **Neurosci Lett** 1986 Oct 20;70(3):314–9

Diurnal variations in prolactin and growth hormone levels in normal premenopausal vegetarian and omnivorous women. Fentiman IS, et al. **Nutr Cancer** 1986;8(4):239–45

Mechanism of action of ECT in major depressive disorders: a neuroendocrine interpretation. Nerozzi D, et al. **Psychiatry Res** 1987 Mar;20(3):207–13

[Prolactin, depression and antidepressive agents. Review of the literature] Ben Hadj Ali B. **Encephale** 1987 May–Jun; 13(3):101–12 (148 ref.) (Eng. Abstr.) **(Fre)**

[The effect of lithium treatment on the activity of central dopaminergic neurons] Koyama T. **Hokkaido Igaku Zasshi** 1987 May;62(3):402–16 (Eng. Abstr.) **(Jpn)**

[Role of prolactin and sex steroids in the pathophysiology of the breast. V. Evaluation of selected steroid metabolic changes in human breast tissue cultures] Kulikowski M, et al. **Ginekol Pol** 1986 Jul;57(7):457–62 (Eng. Abstr.) **(Pol)**

[Accumulation of adenosine-5'-triphosphate by cell membranes of rabbit mammae after administration of prolactin and its possible value for hormonal signal conduction] Karelin AA, et al. **Akush Ginekol (Mosk)** 1987 May;(5):40–2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Initiation and control of ovulation in the mouse luteal phases. Effects of oestrogen, progesterone and prolactin. Gidley-Baird AA, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):582–7

Induction of prolactin receptors in the liver is more closely related to the growth-promoting than to the lactogenic potency of peptides. Norstedt G, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):350–6

Interaction of PGF2 alpha with prolactin on the release of cyclic AMP and progesterone from the isolated perfused ovary of the pregnant mare serum gonadotropin-treated rat. Sogn J, et al. **Acta Endocrinol (Copenh)** 1986 Nov; 113(3):410–7

Role of calcium in prolactin analgesia. Ramaswamy S, et al. **Arch Int Pharmacodyn Ther** 1986 Sep;283(1):56–60

Regulation of expression of c-fos and c-myc in rat lymphoma Nb-2 cells. Andrews GK, et al. **Biochim Biophys Acta** 1987 Aug 25;909(3):231–6

Effect of kinase C inhibitor, gossypol, on the actions of prolactin in cultured mouse mammary tissues. Etindi RN, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):345–9

Effect of tubulozole, a new synthetic microtubule inhibitor, on the induction of casein gene expression by prolactin. Servely JL, et al. **Biol Cell** 1987;59(2):121–7

Role of serum in the prolactin responsiveness of MCF-7 human breast cancer cells in long-term tissue culture. Biswas R, et al. **Cancer Res** 1987 Jul 1;47(13):3509–14

Transient requirement for prolactin as a growth initiator following treatment of autonomous Nb2 node rat lymphoma cell cultures with butyrate. Gout PW. **Cancer Res** 1987 Apr 1;47(7):1751–5

Effects of progestins on growth of experimental breast cancer in culture: interaction with estradiol and prolactin and involvement of the polyamine pathway. Manni A, et al. **Cancer Res** 1987 Jun 15;47(12):3066–71

Expression of the gene encoding a prolactin-inducible protein by human breast cancers in vivo: correlation with steroid receptor status. Murphy LC, et al. **Cancer Res** 1987 Aug 1;47(15):4160–4

The short-term effect of prolactin on the active Na transport system of the tadpole skin during metamorphosis. Takada M. **Comp Biochem Physiol [A]** 1986;85(4):755–9

Short term treatments with prolactin, HMG or testosterone fail to affect testicular inhibin content in rats. Demura R, et al. **Endocrinol Jpn** 1987 Feb;34(1):139–43

Modulation of testicular receptors for LH, FSH and prolactin by the administration of ovine prolactin in mature rat. Ota H, et al. **Endocrinol Jpn** 1986 Aug;33(4):469–77

Interactions among prolactin, epidermal growth factor, and proinsulin on the growth and morphology of the pigeon crop-sac mucosal epithelium in vivo. Anderson TR, et al. **Endocrinology** 1987 Apr;120(4):1258–64

The lipolytic effects of mouse placental lactogen II, mouse prolactin, and mouse growth hormone on adipose tissue from virgin and pregnant mice. Fielder PJ, et al. **Endocrinology** 1987 Aug;121(2):493–7

Liver tissue produces a potent lactogen that partially mimics the actions of prolactin. Hoeffler JP, et al. **Endocrinology** 1987 Apr;120(4):1679–81

Polyamines and autocrine control of tumor growth by prolactin in experimental breast cancer in culture. Manni A, et al. **Endocrinology** 1986 Nov;119(5):2033–7

Prolactin mediation of estrogen-induced changes in mammary tissue estrogen and progesterone receptors. Muldoon TG. **Endocrinology** 1987 Jul;121(1):141–9

Daily variations in response of certain immunity indices to prolactin in White Leghorn chickens. Skwarło-Sońta K, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):195–200

Lipid metabolism indices and plasma corticosterone concentration in chickens treated with prolactin at different time points. Sotowska-Brochocka J, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):316–24

Applications of hormones in the metabolic regulation of growth and lactation in ruminants. Tucker HA, et al. **Fed Proc** 1987 Feb;46(2):300–6

Prolactin as an inhibitor of granulosa cell luteinization: implications for hyperprolactinemia-associated luteal phase dysfunction. Adashi EY, et al. **Fertil Steril** 1987 Jul; 48(1):131–9

Effects of prolactin on steroidogenesis by human luteal cells in culture. Alila HW, et al. **Fertil Steril** 1987 Jun; 47(6):947–55

The effect of prolactin on fanning behavior in the male three-spined stickleback, Gasterosteus aculeatus L. de Ruiter AJ, et al. **Gen Comp Endocrinol** 1986 Nov; 64(2):273–83

Sodium-retaining activity of chum salmon prolactin in some euryhaline teleosts. Hasegawa S, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):309–17

Osmoregulatory effects of prolactin and growth hormone in embryonic chicks. Murphy MJ, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):485–92

Observations on the interaction of prolactin and thyroxine in the tail of the bullfrog tadpole. Ray LB, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):36–43

Metamorphic rate in Rana pipiens larvae treated with thyroxine or prolactin at different times in the light/dark cycle. Wright ML, et al. **Gen Comp Endocrinol** 1986 Jul; 63(1):51–61

Prolactin actions on casein and lipid biosynthesis in mouse and rabbit mammary gland explants are abolished by p-bromphenacyl bromide and quinacrine, phospholipase A2 inhibitors. Rillema JA, et al. **Horm Metab Res** 1986 Oct;18(10):672–4

Prolactin stimulation of ornithine decarboxylase and mitogenesis in Nb2 node lymphoma cells: the role of protein kinase C and calcium mobilization. Buckley AR, et al. **Immunopharmacology** 1986 Aug;12(1):37–51

Prolactin induced advancement in structural organization of accessory sex organs during puberal transition in albino rats. Reddy KV, et al. **Indian J Exp Biol** 1986 Jun; 24(6):356–62

Effect of prolactin and bromocriptine administration on epididymal function—a biochemical study in rats. Reddy YD, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec; 29(4):234–8

Effect of mammalian gonadotropins on testosterone secretion in male alligators. Lance VA, et al. **J Exp Zool** 1987 Jan; 241(1):91–4

Prolactin-dependent mitogenesis in Nb 2 node lymphoma cells: effects of immunosuppressive cyclopeptides. Russell DH, et al. **J Immunol** 1987 Jan 1;138(1):276–84

Differences in the rabbit uterine response to progesterone as influenced by growth hormone or prolactin. Chilton BS, et al. **J Reprod Fertil** 1987 Mar;79(2):581–7

Effect of prolactin and estradiol on cell proliferation in the uterus and the MXT mouse mammary neoplasm. Kiss R, et al. **JNCI** 1987 May;78(5):993–8

Effects of treatment with prolactin or progesterone on the coincidence of mammary tumors and uterine adenomyosis in young SHN mice. Nagasawa H, et al. **Lab Anim Sci** 1987 Apr;37(2):200–2

Prolactin and antiprolactin receptor antibody inhibit steroidogenesis by purified rat Leydig cells in culture. Barkey RJ, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1–2):71–80

Prolactin selectively stimulates ornithine decarboxylase in the lateral lobe of the rat prostate. Rui H, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):89–97

Independent control of citrate production and ornithine decarboxylase by prolactin in the lateral lobe of the rat prostate. Rui H, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1–2):91–5

Responsiveness of tuberoinfundibular dopamine neurons in the aged female rat to the stimulatory actions of prolactin. Demarest KT, et al. **Neuroendocrinology** 1987 Mar; 45(3):227–32

Prolactin alters luteinizing hormone pulsation characteristics in the intact and castrate male rabbit. Larsen JL, et al.

Neuroendocrinology 1987 Jun;45(6):446–50

Effect of prolactin on tolerance and dependence to acute administration of morphine. Ramaswamy S, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):111–3

Growth promotion of human endometrial adenocarcinoma cell line HHUA by prolactin. Kimura J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1779–80

The mechanism of hormonal receptor regulation in the rat ovary following administration of gonadotropin and prolactin. Ota H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):471–8

Effect of prolactin on galactose cataractogenesis. Ng MC, et al. **Ophthalmic Res** 1987;19(2):82–94

Decreased glucose stimulation threshold, enhanced insulin secretion, and increased beta cell coupling in islets of prolactin-treated rats. Sorenson RL, et al. **Pancreas** 1987; 2(3):283–8

Effects of prolactin on Na–K–ATPase activity along the rat nephron. Bussieres L, et al. **Pflugers Arch** 1987 Jun; 409(1–2):182–7

Measurement by radioimmunoassay of casein content in rabbit mammary gland during pregnancy and after prolactin stimulation in organ culture. Jahn G, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):19–23

Possible involvement of the phospholipases in the mitogenic actions of prolactin (PRL) on Nb2 node lymphoma cells. Ofenstein JP, et al. **Proc Soc Exp Biol Med** 1987 Jun; 185(2):147–52

The effect of prolactin on glutamate decarboxylase activity and GABA concentration in hypothalamic slices. Duvilanski BH, et al. **Psychoneuroendocrinology** 1987; 12(2):107–16

Further studies on the effects of prolonged prolactin administration on the zona glomerulosa of the rat adrenal cortex. Rebuffat P, et al. **Res Exp Med (Berl)** 1986; 186(4):307–15

[The effects of estradiol and prolactin on DMBA-induced mammary tumor in rats] Kawasaki T, et al. **Nippon Ganchiryo Gakkai Shi** 1986 May 20;21(4):797–804 (Eng. Abstr.) **(Jpn)**

[The effect of prolactin on the early embryogenesis of mice in vitro] Yoshida K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):181–6 (Eng. Abstr.) **(Jpn)**

[Development of the rete testis in the prenatal ontogeny of rodents and effect of prolactin and thyrotropin on its cellular differentiation] Brindak OI, et al. **Ontogenez** 1986 Sep–Oct;17(5):500–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Further observations on the autoregulation of the prolactin receptor in rat ventral prostate explants. Rui H, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):426–32

Role of prolactin in avian incubation behavior and care of young: is there a causal relationship? Buntin JD. **Ann NY Acad Sci** 1986;474:252–67 (65 ref.)

Effect of suppressing prolactin in the mouse on liveweight, food intake and ovulation rate. Brien FD. **Aust J Biol Sci** 1986;39(3):311–8

An inhibitor of ornithine decarboxylase in lactogen-deprived Nb2 node rat lymphoma cells. Richards JF, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):542–51

Interactions between prolactin and dopaminergic neurons. Moore KE. **Biol Reprod** 1987 Feb;36(1):47–58 (48 ref.)

Role of prolactin in pregnancy hypertension. Marlettini MG, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):1099–119

Prolactin influence on cytosol and nuclear androgen receptors in the ventral, dorsal, and lateral lobes of the rat prostate. Prins GS. **Endocrinology** 1987 Apr; 120(4):1457–64

Modulation of the chloride concentration of human sweat by prolactin. Robertson MT, et al. **Endocrinology** 1986 Dec; 119(6):2439–44

The relation between the effects of hysterectomy, decidual tissue, prolactin, or luteinizing hormone (LH) and the ability of indomethacin to prevent luteolysis in rats bearing LH-dependent corpora lutea. Sanchez-Criado J, et al. **Endocrinology** 1986 Oct;119(4):1750–6

Antiestrogen action in the medial basal hypothalamus and pituitary of immature female rats: insights concerning relationships among estrogen, dopamine, and prolactin. Toney TW, et al. **Endocrinology** 1986 Dec;119(6):2661–9

Apparent role of melatonin and prolactin in initiating winter fur growth in mink. Rose J, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):212–5

Indomethacin treatment prevents prolactin-induced luteolysis in the rat. Sánchez-Criado JE, et al. **J Endocrinol** 1987 Feb;112(2):317–22

Hormonal modulation of central dopaminergic transmission. Drago F, et al. **J Neural Transm [Suppl]** 1986;22:47–54 (39 ref.)

Hyperprolactinaemia alleviates behavioral alterations of rats with hereditary hypothalamic diabetes insipidus (Brattleboro strain). Drago F, et al. **Physiol Behav** 1986 Oct;38(4):517–23

Effects of neonatal gonadectomy on the differentiation of prolactin and growth hormone cells in the chicken adenohypophysis: a quantitative electron microscopic study. Milićević Z, et al. **Poult Sci** 1987 Apr;66(4):741–51

Effect of prolactin and androgens on the prostate of bonnet monkeys, Macaca radiata: I. Nucleic acids, phosphatases, and citric acid. Arunakaran J, et al. **Prostate** 1987; 10(3):265–73

Role of prolactin in modulating the effects of tamoxifen on growth of the Dunning R3327 rat prostate adenocarcinoma. Sylvester PW, et al. **Prostate** 1987;10(1):57–67

Biological actions of prolactin in human breast cancer. Shiu RP, et al. **Recent Prog Horm Res** 1987;43:277–303 (38 ref.)

[Promoting lactation with the aid of drugs] Sondervan-Frank BS. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1112–7 **(Dut)**

[Secretion of milk] Aono T, et al. **Nippon Rinsho** 1986 Jul; 44(7):1564–9 (10 ref.) **(Jpn)**

[Prolactin and the cardiovascular system] Strizhkov VS, et al. **Kardiologiia** 1987 Apr;27(4):114–8 (50 ref.) **(Rus)**

[Effect of prolactin on the phospholipid composition and cholesterol level in liver microsomes of the carp during acclimation to different temperatures] Sautin Iulu. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):69–75 (Eng. Abstr.) **(Rus)**

SECRETION

Size heterogeneity of immunoreactive prolactin in patients with prolactinoma. Allolio B, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):475–82

Effect of serotonin on basal and TRH-induced release of prolactin from rat pituitary glands in vitro. Apfelbaum ME. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):565–71

Effects of H2-receptor antagonists on prolactin secretion: specificity and mediation of the response. Knigge U, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):461–8

The effect of the somatostatin analog SMS 201-995 on normal growth hormone secretion in the rat. A comparison with the effect of bromocriptine on normal prolactin secretion. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):196–202

Effect of anaesthetics on PRL and LH secretion in rats. Importance of pre-anaesthetic adaptation and involvement of monoaminergic neurons. Matzen S, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):528–36

Opioid peptides in the regulation of TSH and prolactin secretion in the rat. Rauhala P, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):383–8

Influence of terbutaline on TRH-induced prolactin and thyrotropin release in normal subjects. Röjdmark S. **Acta Endocrinol (Copenh)** 1986 Oct;113(2):204–10

Medroxy-progesterone acetate administration to ovariohysterectomized, oestradiol-primed beagle bitches. Effect on secretion of growth hormone, prolactin and cortisol. Rutteman GR, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):275–82

Effects of metabolic inhibitors on hormone release, cyclic AMP levels, and oxygen consumption in rat pituitary cells in culture. Sletholt K, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):96–104

Cimetidine-induced prolactin release in rats. The effect of sex and gonadal steroids. Watanobe H, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):178–84

Mammosomatotroph adenoma of the pituitary associated with gigantism and hyperprolactinemia. A morphological study including immunoelectron microscopy. Felix IA, et al. **Acta Neuropathol (Berl)** 1986;71(1–2):76–82

Intercellular deposits of basement membrane material in active human pituitary adenomas detected by immunostaining for laminin and electron microscopy. Holck S, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):326–31

Proliferating potential of folliculo-stellate cells in human pituitary adenomas. Immunohistochemical and electron microscopic analysis. Iwaki T, et al. **Acta Neuropathol (Berl)** 1986;71(3–4):233–42

Ultrastructural localization of prolactin in the human pituitary prolactinomas and its changes by bromocriptine treatment. Osamura RY, et al. **Acta Pathol Jpn** 1986 Aug; 36(8):1123–30

Ultrastructural localization of prolactin in estrogen-induced prolactinoma of the rat pituitary. Experimental models for the human prolactinomas and the effects of bromocriptine. Osamura RY, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1131–7

Effect of diazepam and medazepam on prolactin secretion. Boyadjieva N, et al. **Acta Physiol Pharmacol Bulg** 1986; 12(2):3–6

Binding and degradation of vasoactive intestinal peptide in prolactin-producing cultured rat pituitary tumour cells (GH4C1). Bjøro T, et al. **Acta Physiol Scand** 1987 Aug; 130(4):609–18

Effects of calmodulin antagonists on hormone release and cyclic AMP levels in GH3 pituitary cells. Sletholt K, et al. **Acta Physiol Scand** 1987 Jun;130(2):333–43

Anterior pituitary response to thyrotrophin releasing hormone in senile dementia (Alzheimer type) and elderly normals. el Sobky A, et al. **Acta Psychiatr Scand** 1986 Jul; 74(1):13–7

GABA-mimetic compounds block haloperidol-induced hyperprolactinemia in rats. Debeljuk L, et al. **Adv Biochem Psychopharmacol** 1986;42:139–44

GABA-prolactin interactions. Duvilanski BH, et al. **Adv Biochem Psychopharmacol** 1986;42:119–30

Participation of GABA B binding sites on brain control of pituitary secretion: effect of baclofen. Lux VA, et al. **Adv Biochem Psychopharmacol** 1986;42:145–53

The hypothalamo-pituitary GABAergic regulation of prolactin release in the rat. Racagni G, et al. **Adv Biochem Psychopharmacol** 1986;42:103–17

Morphological correlates of prolactin release and brain GABA increase. Santolaya RC, et al. **Adv Biochem Psychopharmacol** 1986;42:131–7

Involvement of brain histamine in basal and stress-induced release of prolactin in the rat. Netti C, et al. **Agents Actions** 1987 Apr;20(3–4):236–8

Long-term bromocriptine treatment for prolactin-secreting macroadenoma [letter] Huseman CA, et al. **Am J Dis Child** 1986 Dec;140(12):1216–7

Prolactinoma in children [letter] Rohn R. **Am J Dis Child** 1987 Jun;141(6):600–1

Misinterpretation of prolactin levels leading to management errors in patients with sellar enlargement. Bevan JS, et al. **Am J Med** 1987 Jan;82(1):29–32

Sequential prolactin evaluation of a "cured" patient with recurrence of prolactinoma. Jackson RD, et al. **Am J Med** 1987 Feb;82(2):343–6

Primary radiotherapy of prolactinomas. Eight- to 15-year follow-up. Mehta AE, et al. **Am J Med** 1987 Jul;83(1):49–58

Modulating actions of estradiol on gonadotropin-releasing hormone-stimulated prolactin secretion in postmenopausal individuals. Christiansen E, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):320–5

The effect of estrogen–progestin treatment on opioid control of gonadotropin and prolactin secretion in postmenopausal women. Dawood MY, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1246–51

In vivo and in vitro modulation of growth hormone and prolactin of a mixed somatotropic-lactotropic pituitary microadenoma. Muechler EK, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):453–5

Pregnancy after treatment in patients with prolactinoma: operation versus bromocriptine. Samaan NA, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1300–5

Antitumor effect of bromocriptine on estrogen-induced rat prolactinomas: ultrastructural alterations of secretory granules. Saitoh Y, et al. **Anticancer Res** 1986 Sep–Oct; 6(5):1149–55

A fatal invasive prolactin-producing pituitary adenoma causing hypoglossal nerve paresis. Witrak GA, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1188–9

Effects of mild heat exposure and suppression of prolactin secretion on gastro-intestinal tract function and temperature regulation in sheep. Faichney GJ, et al. **Aust J Biol Sci** 1986;39(1):85–97

Prolactin response in Border-Leicester x merino ewes to administration of melatonin, melatonin analogues, a melatonin metabolite and 6-methoxybenzoxazolinone. Kennaway DJ, et al. **Aust J Biol Sci** 1986;39(4):427–33

Response of pre-pubertally castrated rams and ewes to artificial photoperiod—changes in plasma LH and prolactin. Poulton AL. **Aust J Biol Sci** 1986;39(4):417–25

Purification of decidual prolactin-releasing factor, a placental protein that stimulates prolactin release from human decidual tissue. Handwerger S, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):452–9

Influence of stage of the estrous cycle on endogenous opioid modulation of luteinizing hormone, prolactin, and cortisol secretion in the gilt. Barb CR, et al. **Biol Reprod** 1986 Dec; 35(5):1162–7

Purification and partial characterization of prolactin from the California ground squirrel (Spermophilus beecheyi). Colosi P, et al. **Biol Reprod** 1987 May;36(4):1017–23

Relationships between luteinizing hormone, follicle-stimulating hormone and prolactin secretion and ovarian follicular development in the weaned sow. Foxcroft GR, et al. **Biol Reprod** 1987 Feb;36(1):175–91

Preovulatory secretion of progesterone, luteinizing hormone, and prolactin in 4-day and 5-day cycling rats. Hashimoto I, et al. **Biol Reprod** 1987 Apr;36(3):599–605

Management of prolactinomas—1986. Tan SL, et al. **Br J Obstet Gynaecol** 1986 Oct;93(10):1025–9

Prolactinoma presenting with intermittent third nerve palsy. Wykes WN. **Br J Ophthalmol** 1986 Sep;70(9):706–7

Prolactin release and tuberoinfundibular dopaminergic neuronal activity following single and double injections of morphine. Callahan P, et al. **Brain Res** 1986 Aug 27; 381(1):106–12

Effects of sulpiride and apomorphine on prolactin release in adrenalectomized animals. Role of sodium ions. Collu R, et al. **Brain Res** 1987 Jan 13;401(1):23–9

Release of growth hormone, prolactin and somatostatin during perifusion of anterior pituitary and preoptic-medial basal hypothalamus from male and female rats. Critchlow V, et al. **Brain Res** 1986 Nov 29;398(2):347–53

Chloride channels activated by gamma-aminobutyric acid in normal bovine lactotrophs. Inenaga K, et al. **Brain Res** 1987 Mar 3;405(1):159–64

Further evidence for endogenous hypothalamic serotonergic neurons involved in the cimetidine-induced prolactin release in the rat. Kertesz E, et al. **Brain Res** 1987 Jun 9;413(1):10–4

Effects of preoptic injections of gastrin, cholecystokinin, secretin, vasoactive intestinal peptide and PHI on the secretion of luteinizing hormone and prolactin in ovariectomized estrogen-primed rats. Kimura F, et al. **Brain Res** 1987 May 5;410(2):315–22

Dopamine levels in the anterior pituitary gland monitored by in vivo electrochemistry. Mulchahey JJ, et al. **Brain Res** 1986 Oct 29;386(1–2):332–40

The arcuate nucleus: a site for gamma-aminobutyric acid regulation of prolactin secretion. Ondo JG, et al. **Brain Res** 1986 Aug 27;381(1):43–8

Rostromedial septal area controls pulsatile growth hormone release in the golden hamster. Borer KT. **Brain Res Bull** 1987 Apr;18(4):485–90

Effect of a selective inhibitor of epinephrine synthesis, SK&F 64 139, on prolactin secretion in the rat. Castro-e-Silva E, et al. **Braz J Med Biol Res** 1986;19(3):389–94

Diagnosis and management of prolactinomas. Dollar JR, et al. **Cancer Metastasis Rev** 1986;5(2):125–38 (40 ref.)

Impaired calcium mobilisation in the 7315a prolactin-secreting pituitary tumour. Judd AM, et al. **Cell Calcium** 1987 Jun;8(3):189–96

Hyperprolactinaemia—current dilemma. Mahomed K. **Cent Afr J Med** 1986 Jul;32(7):168–71

Effect of acupuncture on prolactin secretion of lactating rats. Xie QW, et al. **Chen Tzu Yen Chiu** 1986;11(4):303–7

Failure of prophylactic surgery to avert massive pituitary expansion in pregnancy. Belchetz PE, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):325–30

Parenteral bromocriptine in the treatment of hormonally active pituitary tumours. Benker G, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):505–13

The long-term effects of megavoltage radiotherapy as sole or combined therapy for large prolactinomas: studies with high definition computerized tomography. Johnston DG, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):675–85

Interactions of oestradiol benzoate and promegestone upon basal and TRH-induced prolactin secretion in postmenopausal women. Joseph PJ, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):497–503

The sensitivity of growth hormone and prolactin secretion to the somatostatin analogue SMS 201–995 in patients with prolactinomas and acromegaly. Lamberts SW, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):201–12

Asymptomatic hyperprolactinaemia and prolactinoma in the general population—mass screening by paired assays of serum prolactin. Miyai K, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):549–54

Compounds with selectivity for dopamine autoreceptors: effects on prolactin secretion in male and female rats. Eriksson E, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:226–8

Treatment options in the management of prolactin-secreting pituitary tumors. Weiss MH. **Clin Neurosurg** 1986;33:547–52

Intravenous medroxalol stimulates prolactin secretion in normal and hypertensive subjects. Williams TC, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):76–81

Evidence for dopamine receptor-mediated inhibition of prolactin cell function in the female Syrian hamster. Orstead KM, et al. **Endocr Res** 1987;13(2):143–56

Effects of acute and chronic dexamethasone treatment on stimulated prolactin secretion in the rat. Passaro EA, et al. **Endocr Res** 1987;13(2):173–82

Prolactin inhibition by p-tyramine in the male rat: site of action. Becú-Villalobos D, et al. **Endocrinology** 1987 Jun; 120(6):2297–301

Functional variations among prolactin cells from different pituitary regions. Boockfor FR, et al. **Endocrinology** 1987 Mar;120(3):874–9

Prolactin modulates the gonadotropin response to the negative feedback effect of testosterone in immature male rats. Chandrashekar V, et al. **Endocrinology** 1987 Feb; 120(2):758–63

Postnatal development of pituitary lactotropes in the rat measured by reverse hemolytic plaque assay. Chen HT. **Endocrinology** 1987 Jan;120(1):247–53

Inhibitory effects of exogenously induced hyperprolactinemia on the endogenous cyclic release of luteinizing hormone and prolactin in the estrogen-primed ovariectomized rat. Cohen-Becker IR, et al. **Endocrinology** 1986 Oct; 119(4):1718–25

Control of prolactin release induced by suckling. de Greef WJ, et al. **Endocrinology** 1987 Jul;121(1):316–22

Ovine prolactin (PRL) and dopamine preferentially inhibit PRL release from the same subpopulation of rat mammotropes. Frawley LS, et al. **Endocrinology** 1986 Oct; 119(4):1462–6

The role of calcium in prolactin release from the pituitary of a teleost fish in vitro. Grau EG, et al. **Endocrinology** 1986 Dec;119(6):2848–55

Hypothalamic factors differentially affect the proportions of cells that secrete growth hormone or prolactin. Hoeffler JP, et al. **Endocrinology** 1987 Feb;120(2):791–5

Intracellular recordings from bovine anterior pituitary cells: modulation of spontaneous activity by regulators of prolactin secretion. Ingram CD, et al. **Endocrinology** 1986 Dec;119(6):2508–18

Thyrotropin-releasing hormone stimulation of prolactin secretion is coordinately but not synergistically regulated by an elevation of cytoplasmic calcium and 1,2-diacylglycerol. Kolesnick RN, et al. **Endocrinology** 1986 Dec;119(6):2461–6

Osmotic pressure regulation of prolactin and growth hormone release from bovine secretory granules. Lorenson MY, et al. **Endocrinology** 1987 Jan;120(1):365–72

Evidence for a synergistic effect of somatostatin on vasoactive intestinal polypeptide-induced prolactin release in the rat: comparison with its effect on thyrotropin (TSH)-releasing hormone-stimulated TSH release. Michalkiewicz M, et al. **Endocrinology** 1987 Jul; 121(1):371–7

Paraventricular nucleus mediates prolactin secretory responses to restraint stress, ether stress, and 5-hydroxy-L-tryptophan injection in the rat. Minamitani N, et al. **Endocrinology** 1987 Mar;120(3):860–7

Posterior pituitary lobectomy abolishes the suckling-induced rise in prolactin (PRL): evidence for a PRL-releasing factor in the posterior pituitary. Murai I, et al. **Endocrinology** 1987 Jul;121(1):205–11

The influence of raphe lesions, p-chlorophenylalanine, and ketanserin on the estrogen-induced afternoon prolactin surge. Pan JT, et al. **Endocrinology** 1987 May;120(5):2070–7

Serotonergic terminals in the anterior hypothalamic nucleus involved in the prolactin release during suckling. Parisi MN, et al. **Endocrinology** 1987 Jun;120(6):2404–12

Effects of 17 beta-estradiol on angiotensin II receptors and prolactin release in cultured pituitary cells. Platia MP, et al. **Endocrinology** 1986 Dec;119(6):2768–72

Energy metabolism in rat pituitary tumors during stimulation of prolactin by vasoactive intestinal polypeptide and thyrotropin-releasing hormone: a study with nuclear magnetic resonance spectroscopy. Prysor-Jones RA, et al. **Endocrinology** 1986 Dec;119(6):2574–9

Growth hormone-releasing factor-44 specificity for components of somatotroph and lactotroph immediate release pool substructures. Stachura ME, et al. **Endocrinology** 1987 May;120(5):1719–26

Involvement of postnatal gonads in the maturation of dopaminergic regulation of prolactin secretion in male rats. Watanobe H, et al. **Endocrinology** 1987 Jun;120(6):2205–11

Involvement of postnatal gonads in the maturation of dopaminergic regulation of prolactin secretion in female rats. Watanobe H, et al. **Endocrinology** 1987 Jun; 120(6):2212–9

Effect of ouabain and bumetanide on the basal and the osmolality-affected prolactin secretion from human decidual cells in vitro. Andersen JR, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):159–66

Inhibition of lactation and ovarian function: a possible animal experimental model for humans. van Leusden HA, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):227–9

Increased serum prolactin but normal TSH during prolonged domperidone treatment in children. Deprettere AR, et al. **Eur J Pediatr** 1987 Mar;146(2):189–91

The beta-endorphin-induced secretion of growth hormone but not of prolactin is inhibited by an endogenous opioid antagonist. Collado-Escobar D, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):385–7

Absence of [3H]SCH 23390 specific binding sites in anterior pituitary: dissociation from effects on prolactin secretion. Rovescalli AC, et al. **Eur J Pharmacol** 1987 Mar 17; 135(2):129–36

Stimulatory effect of pentagastrin on growth hormone and prolactin secretion in normal subjects. Altomonte L, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):334–8

Testosterone-induced oestrous cycle blockade in the rat: no evidence for prolactin involvement. Boehm N, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):173–80

Differential behavioural and hormonal responses to two different stressors (footshocking and immobilization) in sheep. Domański E, et al. **Exp Clin Endocrinol** 1986 Dec; 88(2):165–72

The inability of oxytocin to influence the secretion of testosterone, prolactin, luteinizing and follicle-stimulating hormone in normal men. Kirilov G, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):115–8

Hyperostosis frontalis and prolactin secretion. Pawlikowski M, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):109–11

Reduction of body fat stores by inhibition of prolactin secretion. Cincotta AH, et al. **Experientia** 1987 Apr 15; 43(4):416–7

Oxytocin enhances thyrotropin-releasing hormone-induced prolactin release in normal menstruating women. Coiro V, et al. **Fertil Steril** 1987 Apr;47(4):565–9

Relationship between the methods of treatment for prolactinomas and the puerperal lactation. Ikegami H, et al. **Fertil Steril** 1987 May;47(5):867–9

The natural history of untreated microprolactinomas. Sisam DA, et al. **Fertil Steril** 1987 Jul;48(1):67–71

Cell types in the adenohypophysis of Ambassis ranga (Cuv. et Val.) (Teleosteil), with special reference to seasonal changes in the prolactin- and gonadotropin-secreting cells. Sahai S. **Folia Morphol (Praha)** 1987;35(1):105–11

Estradiol-17 beta and thyrotropin-releasing hormone stimulate prolactin release from the pituitary gland of a teleost fish in vitro. Barry TP, et al. **Gen Comp Endocrinol** 1986 May;62(2):306–14

Somatostatin and altered medium osmotic pressure elicit rapid changes in prolactin release from the rostral pars distalis of the tilapia, Oreochromis mossambicus, in vitro. Grau EG, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):12–8

Prolactin release following electrical stimulation of the brain in female turkeys (Meleagris gallopavo). el Halawani ME, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):1–8

Control of prolactin secretion in birds: a review. Hall TR, et al. **Gen Comp Endocrinol** 1986 May;62(2):171–84 (89 ref.)

In vitro effect of vasoactive intestinal polypeptide and peptide histidine isoleucine on prolactin secretion by the bullfrog pituitary gland. Koiwai K, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):254–9

Effects of thyrotropin-releasing hormone in vitro on thyrotropin and prolactin release from the turtle pituitary. Preece H, et al. **Gen Comp Endocrinol** 1987 Aug; 67(2):247–55

In vitro effects of somatostatin and urotensin II on prolactin and growth hormone secretion in tilapia, Oreochromis mossambicus. Rivas RJ, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):245–51

Porcine growth hormone and prolactin secretion: the first month of postnatal life. Klindt J. **Growth** 1986 Winter; 50(4):516–25

Prolactin and migraine [letter] Murialdo G, et al. **Headache** 1987 May;27(5):278–9

Effect of hyperprolactinemia induced by prolactinoma (MtT/F84) on the accessory sexual organs of male rat. Nakamura K, et al. **Hiroshima J Med Sci** 1986 Dec; 35(4):321–4

Nocturnal surges and reflexive release of prolactin in parentally behaving virgin female and male rats. Jakubowski M, et al. **Horm Behav** 1986 Sep;20(3):270–86

Dissociation of the central and peripheral effects of naloxone on PRL secretion. Buydens P, et al. **Horm Metab Res** 1986 Aug;18(8):575–6

The effect of enkephalin analogue on pituitary hormone release in human obesity. Finer N, et al. **Horm Metab Res** 1987 Feb;19(2):68–70

Evidence for increased endogenous dopaminergic inhibition of aldosterone secretion in prolactinoma. Jungmann E, et al. **Horm Metab Res** 1986 Oct;18(10):704–5

Catecholamines and pituitary function. VI. Effect of different dopamine doses on TRH-induced prolactin release in women with pathological hyperprolactinemia. Nicoletti I, et al. **Horm Metab Res** 1987 Mar;19(3):125–9

Regulation of prolactin secretion in canine pituitary-dependent hyperadrenocorticism. Stolp R, et al. **Horm Metab Res** 1986 Sep;18(9):595–8

Postnatal ovary is necessary for the maturation of estradiol-induced luteinizing hormone and prolactin surges in female rats. Watanobe H, et al. **Horm Metab Res** 1987 May;19(5):191–3

Effect of bromazepam on growth hormone and prolactin secretion in normal subjects. D'Armiento M, et al. **Horm Res** 1981;15(4):224–7

Possible direct effect of serotonin on pituitary prolactin secretion: in vivo and in vitro studies. López F, et al. **Horm Res** 1987;25(3):160–70

Immunoelectron microscopy for growth hormone and prolactin in pituitary adenomas. Tomita T, et al. **Hum Pathol** 1987 Apr;18(4):367–74

Rapid regression through bromocriptine therapy of a suprasellar extending prolactinoma during pregnancy. Tan SL, et al. **Int J Gynaecol Obstet** 1986 Jun;24(3):209–15

Endogenous opioid modulation of luteinizing hormone and prolactin secretion in postpartum ewes and cows. Gregg DW, et al. **J Anim Sci** 1986 Sep;63(3):838–47

Effect of suckling upon the secretion and release of prolactin from the pituitary of the lactating rat. Grosvenor CE, et al. **J Anim Sci** 1971;32 Suppl 1:115–36 (121 ref.)

A comparative study of ovine placental lactogen and prolactin secretion patterns in genetically dissimilar fetal co-twins. Kitts DD, et al. **J Anim Sci** 1987 Jun; 64(6):1696–702

Effect of photoperiod and temperature on prolactin secretion in ovariectomized gilts. Kraeling RR, et al. **J Anim Sci** 1987 Jun;64(6):1690–5

Naloxone-reversible inhibition of luteinizing hormone in postpartum ewes: effects of suckling and season. Malven PV, et al. **J Anim Sci** 1987 Jul;65(1):196–202

Differences in the interaction between dopamine and estradiol on prolactin release by cultured normal and tumorous human pituitary cells. Lamberts SW, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1342–7

Testosterone-related exacerbation of a prolactin-producing macroadenoma: possible role for estrogen. Prior JC, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):391–4

Forearm and vertebral bone mineral in treated and untreated hyperprolactinemic amenorrhea. Schlechte J, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1021–6

Differences in prolactin and LH responses to acute stress between peripuberal and adult male rats. Armario A, et al. **J Endocrinol** 1987 Jan;112(1):9–13

2-Hydroxyoestradiol acutely inhibits prolactin secretion from the superfused pituitary glands of normal female rats: evidence for a cyclical effect. Banks PK, et al. **J Endocrinol** 1986 Nov;111(2):199–204

Possible role of dopamine and noradrenaline in the regulation of prolactin secretion from an ectopic anterior pituitary gland in female rats. Fernández-Ruiz JJ, et al. **J Endocrinol** 1987 Apr;113(1):45–9

Regression of redundant lactotrophs in rat pituitary gland after cessation of lactation. Haggi ES, et al. **J Endocrinol** 1986 Dec;111(3):367–73

A possible dual regulation of prolactin release by the serotoninergic system in rats at pro-oestrus and during late pregnancy: role of ovarian hormones. Jahn GA, et al. **J Endocrinol** 1987 Mar;112(3):367–74

Stress-induced prolactin release in female, male and androgenized rats: influence of progesterone treatment. Jahn GA, et al. **J Endocrinol** 1986 Sep;110(3):423–8

Storage and release of secretory granules in human prolactinomas: modification by bromocriptine. Landolt AM, et al. **J Endocrinol** 1987 Jun;113(3):495–9

Factors affecting prolactin secretion during the breeding cycle of the ring dove (Streptopelia risoria) and its possible role in incubation. Lea RW, et al. **J Endocrinol** 1986 Sep; 110(3):447–58

Prolonged secretion of prolactin in response to

thyrotrophin-releasing hormone after hypothalamo-pituitary disconnection in the ewe. Thomas GB, et al. **J Endocrinol** 1986 Dec;111(3):433–8

Transient increase in prolactin secretion following hypothalamo-pituitary disconnection in ewes during anoestrus and the breeding season. Thomas GB, et al. **J Endocrinol** 1986 Dec;111(3):425–31

Treatment of pituitary macroadenomas secreting PRL, HGH or ACTH with long-acting bromocriptine. Halperin I, et al. **J Endocrinol Invest** 1987 Jun;10(3):277–82

Effect of bromocriptine on plasma catecholamines in normal subjects and prolactin-secreting tumor patients. Mancini AM, et al. **J Endocrinol Invest** 1986 Jun;9(3):223–6

Long-acting bromocriptine for the acute treatment of large macroprolactinomas. Zarate A, et al. **J Endocrinol Invest** 1987 Jun;10(3):233–6

Evidence of abnormal dopaminergic control of prolactin in patients with hypothalamic and pituitary tumors. Cabranes JA, et al. **J Med Clin Exp Theor** 1986;17(1):25–39

Syndrome of galactorrhea, amenorrhea, and obesity as possible indicators of prolactinoma: a case study approach. Shaw B, et al. **J Natl Med Assoc** 1986 Dec;78(12):1197–200

Differential effects of haloperidol, clozapine, and fluperlapine on tuberoinfundibular dopamine neurons and prolactin secretion in the rat. Gudelsky GA, et al. **J Neural Transm** 1987;68(3–4):227–40

Solubilization and characterization of D2-dopamine receptors in an estrone-induced, prolactin-secreting rat pituitary adenoma. Bouvier C, et al. **J Neurochem** 1986 Nov;47(5):1653–60

Dopaminergic inhibition of prolactin release and calcium influx induced by neurotensin in anterior pituitary is independent of cyclic AMP system. Memo M, et al. **J Neurochem** 1986 Dec;47(6):1689–95

Identification of neurotensin receptors associated with calcium channels and prolactin release in rat pituitary. Memo M, et al. **J Neurochem** 1986 Dec;47(6):1682–8

Craniopharyngioma with hyperprolactinaemia due to a prolactinoma. Wheatley T, et al. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1305–7

Membrane currents in identified lactotrophs of rat anterior pituitary. Lingle CJ, et al. **J Neurosci** 1986 Oct; 6(10):2995–3005

Role of serotonin in opiate-induced prolactin secretion and antinociception in the developing rat. Bero LA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):831–6

Differential ontogeny of opioid, dopaminergic and serotonergic regulation of prolactin secretion. Bero LA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):825–30

Melatonin, cortisol, prolactin, and calcitonin secretion in primary hyperparathyroidism before and after surgery. Brismar K, et al. **J Pineal Res** 1987;4(3):277–85

Sex differences in prolactin change during mourning. Lane RD, et al. **J Psychosom Res** 1987;31(3):375–83

Neurotransmitter regulation of luteinizing hormone and prolactin secretion. Dailey RA, et al. **J Reprod Fertil [Suppl]** 1987;34:17–26 (59 ref.)

Prolactinoma and adrenal androgens. Blake RE, et al. **J Reprod Med** 1986 Aug;31(8):675–9

Dopamine agonists for reducing depression associated with hyperprolactinemia. Mattox JH, et al. **J Reprod Med** 1986 Aug;31(8):694–8

Prolactin response to perphenazine. A sensitive and specific test for pituitary tumor in hyperprolactinemic women. Mattox JH, et al. **J Reprod Med** 1986 Dec;31(12):1098–101

Effect of THIP and SL 76002, two clinically experimented GABA-mimetic compounds, on anterior pituitary GABA receptors and prolactin secretion in the rat. Apud JA, et al. **Life Sci** 1987 Mar 2;40(9):871–81

Effects of sequential acute stress exposure on stress-induced pituitary luteinizing hormone and prolactin secretion. Briski KP, et al. **Life Sci** 1987 Sep 7;41(10):1249–55

Opioid modulation of thyrotropin releasing hormone induced prolactin secretion. Buydens P, et al. **Life Sci** 1987 Mar 23;40(12):1207–14

Effects of RHC 80267, a diglyceride lipase inhibitor, on prolactin secretion and calcium uptake in GH3 pituitary cells. Camoratto AM, et al. **Life Sci** 1987 Jan 19; 40(3):275–81

Influence of cell cycle phases on the electrical activity and hormone release in a transformed line of anterior pituitary cells. Denechaud M, et al. **Life Sci** 1987 Jun 15; 40(24):2377–84

Guanine nucleotide regulation of dopamine receptor agonist affinity states in rat estradiol-induced pituitary tumors. Di Paolo T, et al. **Life Sci** 1987 Aug 31;41(9):1149–53

Stimulation of prolactin secretion by L-3,4-dihydroxyphenyl-serine (L-DOPS) via central norepinephrine in the rat. Koshiyama H, et al. **Life Sci** 1987 Aug 24;41(8):983–8

The patterns of prolactin release by ECT and TRH compared. Markianos M, et al. **Life Sci** 1987 Sep 7; 41(10):1273–6

Biochemical evidence for existence of immunoreactive renin in human prolactinoma tissue. Mizuno K, et al. **Life Sci** 1986 Nov 10;39(19):1779–86

Thymosin fraction 5 stimulates the release of prolactin from cultured GH3 cells. Spangelo BL, et al. **Life Sci** 1987 Jan 19;40(3):283–8

The effect of continuous light on prolactin secretion in prepubertal Holstein bulls. Stanisiewski EP, et al. **Life Sci** 1987 Aug 24;41(8):1029–35

In vivo and in vitro effect of naloxone on prolactin response to TRH in rat. Velkeniers B, et al. **Life Sci** 1987 Jun 22; 40(25):2415–20

The effects of the cholecystokinin antagonist, proglumide, on prolactin secretion in the rat. Vijayan E, et al. **Life Sci** 1987 Feb 16;40(7):629–34

Effects of acute and chronic methylphenidate administration on beta-endorphin, growth hormone, prolactin and cortisol in children with attention deficit disorder and hyperactivity. Weizman R, et al. **Life Sci** 1987 Jun 8; 40(23):2247–52

Vasoactive intestinal peptide and peptide with N-terminal histidine and C-terminal isoleucine increase prolactin secretion in cultured rat pituitary cells (GH4C1) via a cAMP-dependent mechanism which involves transient elevation of intracellular Ca2+. Bjøro T, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):119–28

Is calcium or cyclic AMP involved in the inhibitory effect on pituitary hormone secretion of the tripeptide aldehyde proteinase inhibitors? Makara GB, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):63–9

Effects of dopamine and somatostatin on phorbol ester-stimulated prolactin and growth hormone secretion. Ray KP, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2–3):205–12

The development of prolactin, growth hormone, alpha-melanocyte-stimulating hormone and monoaminergic systems in the rat. Khorram O, et al. **Monogr Neural Sci** 1986;12:1–6

Prolactin and breast cancer [editorial] [published erratum appears in N Engl J Med 1987 Mar 5;316(10):639] Kleinberg DL. **N Engl J Med** 1987 Jan 29;316(5):269–71

Long-term effect of a first pregnancy on the secretion of prolactin. Musey VC, et al. **N Engl J Med** 1987 Jan 29; 316(5):229–34

Improvement in headache associated with prolactinoma during treatment with a somatostatin analogue: an "N of 1" study [letter] Williams G, et al. **N Engl J Med** 1986 Oct 30;315(18):1166–7

Spontaneous tumors in aging female mice are more prevalent in the lateral pituitary zones. Gordon MN, et al. **Neurobiol Aging** 1987 Jan–Feb;8(1):67–70

Age-dependent changes in the mechanisms controlling prolactin secretion and phosphatidylinositol turnover in male rats: effect of phosphatidylserine. Bonetti AC, et al. **Neuroendocrinology** 1987 Feb;45(2):123–9

Restraint stress decreases the neurosecretory activity of tuberoinfundibular dopaminergic neurons in young but not in aged female rats. Demarest KT, et al. **Neuroendocrinology** 1987 May;45(5):333–7

Antisera to vasoactive intestinal polypeptide inhibit basal prolactin release from dispersed anterior pituitary cells. Hagen TC, et al. **Neuroendocrinology** 1986;43(6):641–5

Female reproductive function and sexually dimorphic prolactin secretion in rats with lesions in the medial preoptic-anterior hypothalamic continuum. Jakubowski M, et al. **Neuroendocrinology** 1986;43(6):696–705

Rates of release of GABA and catecholamines in the mediobasal hypothalamus of ovariectomized and ovariectomized estrogen-treated rats: correlation with blood prolactin levels. Jarry H, et al. **Neuroendocrinology** 1986;44(4):422–8

Effect of catechol estrogens on prolactin secretion in the rat: lack of correlation with estrogenic activity. Jellinck PH, et al. **Neuroendocrinology** 1987 Feb;45(2):99–103

Histaminergic stimulation of prolactin secretion mediated via H1- or H2-receptors: dependence on routes of administration. Knigge U, et al. **Neuroendocrinology** 1986; 44(1):41–8

Evidence that opioid peptides and dopamine participate in the suckling-induced release of prolactin in the ewe. Knight PG, et al. **Neuroendocrinology** 1986;44(1):29–35

Effects of specific activation of mu-, delta- and kappa-opioid receptors on the secretion of luteinizing hormone and prolactin in the ovariectomized rat. Leadem CA, et al. **Neuroendocrinology** 1987 Feb;45(2):109–17

Prolactin-releasing action of a low dose of exogenous gonadotropin-releasing hormone throughout the human menstrual cycle. Mais V, et al. **Neuroendocrinology** 1986; 44(3):326–30

Effect of naloxone and morphine on LH and prolactin release in androgen-sterilized rats. Petersen SL, et al. **Neuroendocrinology** 1986;44(1):84–8

Beta-endorphin and dynorphin participate in the stress-induced release of prolactin in the rat. Petraglia F, et al. **Neuroendocrinology** 1987 May;45(5):338–42

Dopaminergic inhibition of anterior pituitary adenylate cyclase activity and prolactin release: the effects of perturbing calcium on catalytic adenylate cyclase activity. Schettini G, et al. **Neuroendocrinology** 1986;44(1):1–7

In vivo release of dopamine, luteinizing hormone-releasing hormone and thyrotropin-releasing hormone in male rats bearing a prolactin-secreting tumor. Voogt JL, et al. **Neuroendocrinology** 1987 Aug;46(2):110–6

Electrophysiological evidence for a sex difference in neural regulation of prolactin secretion in rats. Wiersma J, et al. **Neuroendocrinology** 1986;44(4):475–82

Effect of thyrotropin releasing hormone and some of its histidine analogs on the cardiovascular system and prolactin release in the conscious rat. Siren AL, et al. **Neuropeptides** 1986 Jul;8(1):63–70

Sexually differentiated actions of 3-PPP enantiomers on prolactin secretion. Carlsson M, et al. **Neuropharmacology** 1986 Aug;25(8):951–4

Transient intrasellar collection of air during bromocriptine treatment of a prolactinoma. Fagel WJ, et al. **Neuroradiology** 1986;28(4):364–6

Central galanin stimulates pituitary prolactin secretion in rats: possible involvement of hypothalamic vasoactive intestinal polypeptide. Koshiyama H, et al. **Neurosci Lett** 1987 Mar 20;75(1):49–54

Ossified prolactinoma: case report. Mukada K, et al. **Neurosurgery** 1987 Mar;20(3):473–5

Pituitary adenoma composed of two compartments each secreting prolactin or growth hormone. Tomono Y, et al. **Neurosurgery** 1987 Jul;21(1):56–9

Prolactin secretion after surgery or bromocriptine treatment of prolactinoma. De Leo V, et al. **Obstet Gynecol** 1987 Jan;69(1):99–103

Is idiopathic hyperprolactinemia a transitional stage toward prolactinoma? Pereira MC, et al. **Obstet Gynecol** 1987 Sep; 70(3 Pt 1):305–8

Intraventricular administration of arginine vasopresin suppresses prolactin release via a dopaminergic mechanism. DePaolo LV, et al. **Peptides** 1986 May–Jun;7(3):541–4

Effect of the anxiolytic drug buspirone on prolactin and corticosterone secretion in stressed and unstressed rats. Urban JH, et al. **Pharmacol Biochem Behav** 1986 Aug; 25(2):457–62

Effects of repeated tiapride administration on anterior pituitary dopamine receptors and prolactin release in the rat. Apud JA, et al. **Pharmacol Res Commun** 1987 Feb; 19(2):119–29

Phorbol 12-myristate 13-acetate induces prolactin secretion from rat anterior pituitary gland by the activation of protein kinase-C. Galbiati E, et al. **Pharmacol Res Commun** 1986 Aug;18(8):687–98

Pituitary tumours: surgery or medical shrinkage. Grossman A. **Practitioner** 1986 Sep;230(1419):809–10

Inhibitory effects of somatostatin analogs on prolactin secretion in rats pretreated with estrogen or haloperidol. Karashima T, et al. **Proc Soc Exp Biol Med** 1987 May; 185(1):69–75

Prenatal androgen exposure and growth and secretion of growth hormone and prolactin in ewes postweaning. Klindt J, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):201–5

beta-(-4 Chlorophenyl) GABA (baclofen) inhibits prolactin and thyrotropin release by acting on the rat brain. Lux VA, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):358–62

Growth hormone and prolactin secretion after hypothalamic deafferentation in pigs. Molina JR, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):163–8

Effect of illness on hormonal response to footshock stress. Yelvington DB, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):239–42

Arachidonic acid metabolism in a cloned strain of rat pituitary tumor cells: correlation between 15 hydroxyeicosatetraenoic acid release and the prolactin secretory process. Rabier M, et al. **Prostaglandins Leukotrienes Med** 1987 Apr;27(1):27–42

Endocrine responses to tryptophan infusion in schizophrenic patients treated with neuroleptics. Kolakowska T, et al. **Psychoneuroendocrinology** 1987;12(3):193–202

Effects of receptor blockers (methysergide, propranolol, phentolamine, yohimbine and prazosin) on desimipramine-induced pituitary hormone stimulation in humans—II. Prolactin. Laakmann G, et al. **Psychoneuroendocrinology** 1986;11(4):463–74

Genotypic influences on pituitary responsiveness to haloperidol in mice. Morgan DG, et al. **Psychoneuroendocrinology** 1987;12(3):211–8

Effect of [D-Trp6]LHRH infusion on prolactin secretion by perifused rat pituitary cells. Torres-Aleman I, et al. **Regul Pept** 1987 Jul;18(1):19–28

VIP and prolactin release in response to meals. Hill P, et al. **Scand J Gastroenterol** 1986 Oct;21(8):958–60

Pathology of prolactin cell adenomas of the human pituitary. Horvath E, et al. **Semin Diagn Pathol** 1986 Feb;3(1):4–17

Short-term management of macroprolactinomas with a new injectable form of bromocriptine. Bronstein MD, et al. **Surg Neurol** 1987 Jul;28(1):31–7

Prolactin response to thyrotropin-releasing hormone in early and advanced human breast cancer. Barni S, et al. **Tumori** 1986 Aug 31;72(4):399–403

Immunohistochemical, electron microscopic and morphometric studies of estrogen-induced rat prolactinomas after bromocriptine treatment. Niwa J, et al. **Virchows Arch [B]** 1987;53(2):89–96

[Immunocytochemical and electron microscopic study of 40 cases of pituitary prolactinoma] Zang X. **Chung Hua I Hsueh Tsa Chih** 1986 Apr;66(4):231–3 **(Chi)**

[Therapeutic effect of small doses of bromocriptine on prolactinoma] Jin ZM, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Aug;25(8):475–8, 510 (Eng. Abstr.) **(Chi)**

[When should we operate on prolactin adenoma?] Turpin G. **Ann Med Interne (Paris)** 1987;138(2):83–5 **(Fre)**

[Prolactin stimulation test using TRH in affective disorders (72 cases)] Granier F, et al. **Ann Med Psychol (Paris)** 1986 Jul;144(7):733–46 (Eng. Abstr.) **(Fre)**

[Bradykinin stimulates prolactin release in vitro] Drouhault R, et al. **C R Soc Biol (Paris)** 1986;180(5):525–9 (Eng. Abstr.) **(Fre)**

[Update on prolactin] Dupont G, et al. **Rev Fr Gynecol Obstet** 1986 Sep 1;81(8):419–21 (Eng. Abstr.) (Fre)

[Clinicopathologic conference. Prolactinoma and hyperaldosteronism in a 55-year-old male: variant of multiple endocrine adenomatosis (MEA) type I?] Gieshoff B, et al. **Med Klin** 1987 May 15;82(11):394–9 (Ger)

[Prolactinoma in the male] Ventz M, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):518–21 (Eng. Abstr.) (Ger)

[Evaluation of the pituitary prolactinogenic activity of a new antiemetic drug: alizapride] Nardoni A, et al. **Clin Ter** 1987 Mar 31;120(6):499–502 (Eng. Abstr.) (Ita)

[Diabetes insipidus after selective pituitary adenomectomy. A case with late appearance] Ceresini G, et al. **Minerva Med** 1987 Jul 15;78(13):911–4 (Eng. Abstr.) (Ita)

[Comparative CT and MR study in a case of microprolactinoma] Magnani F, et al. **Radiol Med (Torino)** 1986 Oct;72(10):764–6 (Ita)

[Evaluation of the elution pattern of the serum and CSF prolactin fractionated by gel filtration chromatography in cases of bromocriptine-resistant prolactinoma] Sakamoto T, et al. **Neurol Med Chir (Tokyo)** 1987 Mar;27(3):195–201 (Eng. Abstr.) (Jpn)

[Inhibitory effect of prolactin secretion by luteinizing hormone releasing hormone agonist (buserelin)] Inoue T, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jun 20; 62(6):745–53 (Eng. Abstr.) (Jpn)

[Study on the neuroendocrinological control of prolactin release in early puerperium] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1108–14 (Eng. Abstr.) (Jpn)

[Clinical evaluation of the prolactin secreting capacity for the diagnosis of occult hyperprolactinemia] Matsuoka R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):586–90 (Eng. Abstr.) (Jpn)

[A recurrent case of TSH-PRL secreting microadenoma following hypothyroidism] Kurisaka M, et al. **No Shinkei Geka** 1986 Dec;14(13):1569–75 (Eng. Abstr.) (Jpn)

[A case of male cystic pituitary adenoma with hyperprolactinemia—clinical study of 6 cases of male prolactinoma] Yatsuzuka H, et al. **No Shinkei Geka** 1986 Dec;14(13):1601–5 (Eng. Abstr.) (Jpn)

[Antitumor effect of bromocriptine on estrogen-induced rat prolactinomas: special reference to changes in secretory granules by stereological analysis] Saitoh Y, et al. **No To Shinkei** 1987 Apr;39(4):347–54 (Eng. Abstr.) (Jpn)

[Malignant neoplasm of the pituitary gland as a cause of the amenorrhea-galactorrhea syndrome] Zarzycki W, et al. **Wiad Lek** 1987 Feb 1;40(3):205–7 (Eng. Abstr.) (Pol)

[Prolactin secretion: current diagnosis and therapy] Zdrojewicz Z, et al. **Wiad Lek** 1986 Aug 1;39(15):1054–8 (21 ref.) (Eng. Abstr.) (Pol)

[Treatment of a hypophyseal tumor and sterility] Zhienkulova AK. **Akush Ginekol (Mosk)** 1986 Nov; (11):43–5 (Eng. Abstr.) (Rus)

[Sensitivity of the pituitary gland of women with prolactin-secreting adenomas to thyroliberin and luliberin] Potin VV, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):72–7 (Eng. Abstr.) (Rus)

[Computerized tomography of the hypophysis] Kishkovskiĭ AN, et al. **Vestn Rentgenol Radiol** 1987 Jan–Feb;(1):27–32 (Eng. Abstr.) (Rus)

[Immunohematologic changes in pituitary adenomas] Filev LV, et al. **Zh Vopr Neirokhir** 1986 Sep–Oct;(5):19–22 (Eng. Abstr.) (Rus)

[Hypophyseal prolactinoma—pregnancy and labor] Toskić J, et al. **Srp Arh Celok Lek** 1986 May–Jun;114(5–6):555–9 (Eng. Abstr.) (Scc)

[Neurotransmitters, neurohormones and prolactin] Libertun C, et al. **Acta Physiol Lat Am** 1980;30(4):275–89 (89 ref.) (Eng. Abstr.) (Spa)

[Effect of nomifensine on the secretion of prolactin in the puerperium and its impact on lactation] Canales ES, et al. **Gac Med Mex** 1987 Jan–Feb;123(1–2):27–31 (Spa)

[Intracellar expansive prolactin-secreting or non-secreting processes (clinical experience in 80 cases)] Porcile A, et al. **Rev Chil Obstet Ginecol** 1985;50(3):184–93 (Eng. Abstr.) (Spa)

[Primary hypothyroidism and prolactinoma (letter)] Geijo Martínez MP, et al. **Rev Clin Esp** 1986 Sep;179(4):217–8 (Spa)

TOXICITY

Carcinogenic and co-carcinogenic effects of radiation in rat mammary carcinogenesis and mouse T-cell lymphomagenesis: a review. Yokoro K, et al. **Int J Radiat Biol** 1987 Jun;51(6):1069–80 (47 ref.)

PROLACTIN RECEPTORS see RECEPTORS, PROLACTIN

PROLACTIN RELEASE INHIBITING HORMONE

ANALYSIS

Prolactin (PRL) inhibiting substance in seminal plasma of infertile patients. Preliminary results. Gattuccio F, et al. **Acta Eur Fertil** 1986 May–Jun;17(3):207–11

On the presence of a nondopaminergic, peptidergic prolactin release-inhibiting factor in hypothalamic extracts of infantile rats. Khorram O, et al. **Neuroendocrinology** 1986; 44(1):65–9

PROLIFERATIVE PHASE see MENSTRUAL CYCLE

PROLINE

Geometry of proline and hydroxyproline I: An analysis of X-ray crystal structure data. Balaji VN, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):895–900

Guanidine hydrochloride induced equilibrium unfolding of mutant forms of iso-1-cytochrome c with replacement of proline-71. Ramdas L, et al. **Biochemistry** 1986 Nov 4; 25(22):6952–8

Folding/unfolding kinetics of mutant forms of iso-1-cytochrome c with replacement of proline-71. Ramdas L, et al. **Biochemistry** 1986 Nov 4;25(22):6959–64

Proline isomerization and the slow folding reactions of the alpha subunit of tryptophan synthase from Escherichia coli. Hurle MR, et al. **Biochim Biophys Acta** 1987 Jun 17; 913(2):179–84

A calorimetric and infrared spectroscopic study of the stabilizing solute proline. Rudolph AS, et al. **Biophys J** 1986 Sep;50(3):423–30

The role of proline in the proteolytic regulation of biologically active peptides. Yaron A. **Biopolymers** 1987; 26 Suppl:S215–22

Proline isomerism in staphylococcal nuclease characterized by NMR and site-directed mutagenesis. Evans PA, et al. **Nature** 1987 Sep 17–23;329(6136):266–8

ANALOGS & DERIVATIVES

Chemical structure and biological activity relationship in bradykinin analogues containing proline-like unusual amino acids. Balaspiri L, et al. **Acta Biochim Biophys Hung** 1986; 21(4):363–7

Effects of inhibitors of C1q biosynthesis on macrophage Fc receptor subclass-mediated antibody-dependent cellular cytotoxicity and phagocytosis. Mocharla R, et al. **Cell Immunol** 1987 Mar;105(1):127–35

Mutagen formation in the reaction of Maillard browning products, 2-acetylpyrrole and its analogues, with nitrite. Yen GC, et al. **Food Chem Toxicol** 1986 Dec;24(12):1303–8

SQ 27,786 and SQ 28,853: two angiotensin converting enzyme inhibitors with potent diuretic activity. DeForrest JM, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):154–9

Rapid method for the analysis of urinary pyrrole-2-carboxylic acid using reversed-phase high-performance liquid chromatography. Dreisbach JH, et al. **J Chromatogr** 1986 Oct 31;382:280–3

Enantiomeric purity determination of L-proline benzyl ester by chiral column gas chromatography. Jemal M, et al. **J Chromatogr** 1987 Apr 17;392:442–6

Isolation of glycine betaine and proline betaine from human urine. Assessment of their role as osmoprotective agents for bacteria and the kidney. Chambers ST, et al. **J Clin Invest** 1987 Mar;79(3):731–7

Synthesis and antitumor activity of N-terminal proline-containing peptide-(chloroethyl)nitrosoureas. Süli-Vargha H, et al. **J Med Chem** 1987 Mar;30(3):583–6

alpha-Methylproline-containing renin inhibitory peptides: in vivo evaluation in an anesthetized, ganglion-blocked, hog renin infused rat model. Thaisrivongs S, et al. **J Med Chem** 1987 Mar;30(3):536–41

Responses of renal, coronary and vertebral vasculatures to MC-838 and captopril in anesthetized dogs. Noguchi K, et al. **Pharmacology** 1987;34(1):48–56

[Affinity of 99mTc-N,N-bis-(carboxymethyl) aminoacetylproline for tumors in mice] Tao ZQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):170–3 (Eng. Abstr.) (Chi)

[Anti-amnesic effect of prolyl endopeptidase inhibitors in mice] Nanri M, et al. **Nippon Yakurigaku Zasshi** 1987 Jun; 89(6):323–9 (Eng. Abstr.) (Jpn)

ANALYSIS

The helical hydrophobic moment avoids prolines in phospholipid-binding proteins. Pownall HJ, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):202–8

1H-NMR study of mobility and conformational constraints within the proline-rich N-terminal of the LC1 alkali light chain of skeletal myosin. Correlation with similar segments in other protein systems. Bhandari DG, et al. **Eur J Biochem** 1986 Oct 15;160(2):349–56

Ab initio quantum mechanical calculations of the variation of the 1H and 13C nuclear magnetic shielding constants in proline as a function of the angle psi. Giessner-Prettre C, et al. **Eur J Biochem** 1987 Feb 16;163(1):79–87

Low temperature high-performance liquid chromatography of cis-trans proline dipeptides. Henderson DE, et al. **J Chromatogr** 1986 Oct 24;368(2):203–13

BIOSYNTHESIS

Cloning in Escherichia coli of genes involved in the synthesis of proline and leucine in Desulfovibrio desulfuricans Norway. Fons M, et al. **MGG** 1987 Jan;206(1):141–3

The relationship between the biosynthetic paths to the amino acids and their coding. I: The aliphatic amino acids and proline. McClendon JH. **Orig Life Evol Biosph** 1987; 17(3–4):401–17

[Cloning of genes for proline biosynthesis in Escherichia coli] Nersisian AA, et al. **Genetika** 1986 Nov;22(11):2713–20 (Eng. Abstr.) (Rus)

BLOOD

Clinical, biochemical and enzymatic studies in type I hyperprolinemia associated with chromosomal abnormality. Oyanagi K, et al. **Tohoku J Exp Med** 1987 Apr;151(4):465–75

METABOLISM

Radioautographic tracing of 3H-proline in the endodermal cells of the parietal yolk sac as an indicator of the biogenesis of basement membrane components. Mazariegos MR, et al. **Am J Anat** 1987 May;179(1):79–93

H+-L-proline cotransport by vesicles from pars convoluta of rabbit proximal tubule. Røigaard-Petersen H, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F15–20

The distribution of 3H-proline in alveolar bone of the mouse as seen by radioautography. Johnson RE. **Anat Rec** 1986 Nov;216(3):339–48

Differences in learning between hyperprolinemic mice and their congenic controls. Davis JL, et al. **Behav Neural Biol** 1987 Jul;48(1):128–37

L-proline uptake in human fibroblasts: evidence for a high-affinity system in addition to system A. Feneant-Thibault M, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):221–7

Proline inhibits N2-fixation in Anabaena 7120. Spence DW, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):940–6

Compartmentalization of proline pools and apparent rates of collagen and non-collagen protein synthesis in arterial smooth muscle cells in culture. Opsahl WP, et al. **Biochem J** 1987 Apr 1;243(1):137–44

A novel imino-acid carrier in the enterocyte basolateral membrane. Davies S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):247–55

Demonstration of a NADPH-linked delta 1-pyrroline-5-carboxylate-proline shuttle in a cell-free rat liver system. Hagedorn CH. **Biochim Biophys Acta** 1986 Oct 29;884(1):11–7

Possible role of histidine in the L-proline transport system of Saccharomyces cerevisiae. Horák J. **Biochim Biophys Acta** 1986 Nov 17;862(2):407–12

Cytochrome pools in membranes of Escherichia coli grown aerobically on L-proline. Withers HK, et al. **Biochim Biophys Acta** 1987 Jun 9;892(1):10–22

Tuberous sclerosis: aberrant metabolism of ornithine, proline and glutamate in cultured fibroblasts. Tanaka H, et al. **Brain Dev** 1987;9(1):37–42

Differences in the efficiency and pattern of incorporation of [3H]leucine and [3H]proline into proteins of adult cat brain. Elam JS, et al. **Brain Res** 1987 Jun 9;413(1):129–34

Influence of ascorbic acid dose on N-nitrosoproline formation in humans. Leaf CD, et al. **Carcinogenesis** 1987 Jun;8(6):791–5

The oxidation of proline by mitochondrial preparations. McKnight JA, et al. **Comp Biochem Physiol [B]** 1986; 85(2):289–94

Sodium-independent binding of L-[3H]proline to hippocampal synaptic membranes. Greene WM, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):333–6

Increase of gingival hydroxyproline and proline by improvement of ascorbic acid status in man. Buzina R, et al. **Int J Vitam Nutr Res** 1986;56(4):367–72

The physiology of Clostridium sporogenes NCIB 8053 growing in defined media. Lovitt RW, et al. **J Appl Bacteriol** 1987 Jan;62(1):81–92

Proline transport in Salmonella typhimurium: putP permease mutants with altered substrate specificity. Dila DK, et al. **J Bacteriol** 1986 Nov;168(2):590–4

Kinetics of the intestinal brush border proline (Imino) carrier. Stevens BR, et al. **J Biol Chem** 1987 May 15; 262(14):6546–51

Extracellular accumulation of proline, serine and trehalose in the haemolymph of osmoconforming brackish-water mosquitoes. Garrett MA, et al. **J Exp Biol** 1987 May; 129:231–8

Sodium-dependent proline uptake in the rat hippocampal formation: association with ipsilateral-commissural projections of CA3 pyramidal cells. Nadler JV. **J Neurochem** 1987 Oct;49(4):1155–60

Proline isomerization studied with proteolytic enzymes. Brandts JF, et al. **Methods Enzymol** 1986;131:107–26

Proline utilization in Saccharomyces cerevisiae: analysis of the cloned PUT1 gene. Wang SS, et al. **Mol Cell Biol** 1986 Jul;6(7):2638–45

Regional differences in protein and glycoprotein synthesis and their processing in the mouse brain as revealed by the incorporation of [3H]proline, N-6-[3H]acetyl-D-glucosamine and [3H]fucose. Mareš V, et al. **Neuroscience** 1987 Jul;22(1):251–4

Amino acid catabolism in the nematodes Heligmosomoides polygyrus and Panagrellus redivivus. 2. Metabolism of the carbon skeleton. Grantham BD, et al. **Parasitology** 1986 Dec;93 (Pt 3):495–504

Developmental aspects of proline transport in rat renal brush

border membranes. Medow MS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7561–4

PHARMACODYNAMICS

Effects of preformed proline and proline amino acid precursors (including glutamine) on collagen synthesis in human fibroblast cultures. Bellon G, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):39–47

Proline requirement for glucose utilization by Peptostreptococcus anaerobius ATCC 27337. Curtis MA, et al. **Infect Immun** 1987 Feb;55(2):352–7

Functional differentiation of virgin mouse mammary epithelium in explant culture is dependent upon extracellular proline. Smith GH. **J Cell Physiol** 1987 May; 131(2):190–9

[Contrasting effect of piracetam and proline on the release of 3H-D-aspartic acid from the cerebral cortical synaptosomes of rats] Prikhozhan AV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):440–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Selection of mutations that alter the osmotic control of transcription of the Salmonella typhimurium proU operon. Druger-Liotta J, et al. **J Bacteriol** 1987 Jun;169(6):2449–59

Synthesis of Pro-Leu-Gly-NH2 analogues modified at the prolyl residue and evaluation of their effects on the receptor binding activity of the central dopamine receptor agonist, ADTN. Johnson RL, et al. **J Med Chem** 1986 Oct; 29(10):2104–7

PROLINE HYDROXYLASE

Photoaffinity labelling of the 2-oxoglutarate binding site of prolyl 4-hydroxylase with 5-azidopyridine-2-carboxylic acid. de Waal A, et al. **Biochim Biophys Acta** 1987 Mar 18;912(1):151–5

ANALYSIS

Assay of prolyl 4-hydroxylase by the chromatographic determination of [14C]succinic acid on ion-exchange minicolumns. Cunliffe CJ, et al. **Biochem J** 1986 Dec 1; 240(2):617–9

Ultrastructural localization of type IV collagen, laminin and prolyl hydroxylase in biliary epithelial cells of rat liver following ligation of the common bile duct. Miyabayashi C, et al. **Gastroenterol Jpn** 1987 Jun;22(3):354–69

ANTAGONISTS & INHIBITORS

Inhibition of prolyl 4-hydroxylase by hydroxyanthraquinones. Cunliffe CJ, et al. **Biochem J** 1986 Oct 15;239(2):311–5

Time-dependent inactivation of chick-embryo prolyl 4-hydroxylase by coumalic acid. Evidence for a syncatalytic mechanism. Günzler V, et al. **Biochem J** 1987 Feb 15;242(1):163–9

Reduction of collagen production in keloid fibroblast cultures by ethyl-3,4-dihydroxybenzoate. Inhibition of prolyl hydroxylase activity as a mechanism of action. Sasaki T, et al. **J Biol Chem** 1987 Jul 5;262(19):9397–403

BIOSYNTHESIS

Induction of prolyl hydroxylase activity in a nonadherent population of human leukocytes. Lindblad WJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):486–93

BLOOD

Immunoreactive prolyl hydroxylase in patients with primary and secondary myelofibrosis. Wang JC, et al. **Br J Haematol** 1987 Feb;65(2):171–4

A sandwich immunoassay for human prolyl 4-hydroxylase using monoclonal antibody. Yoshida S, et al. **Clin Chim Acta** 1986 Oct 15;160(1):37–46

[Serum prolyl hydroxylase values in liver diseases] Miyabayashi C, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2181–9 (Eng. Abstr.) **(Jpn)**

GENETICS

Molecular cloning of the beta-subunit of human prolyl 4-hydroxylase. This subunit and protein disulphide isomerase are products of the same gene. Pihlajaniemi T, et al. **EMBO J** 1987 Mar;6(3):643–9

ISOLATION & PURIFICATION

A single polypeptide acts both as the beta subunit of prolyl 4-hydroxylase and as a protein disulfide-isomerase. Koivu J, et al. **J Biol Chem** 1987 May 15;262(14):6447–9

Recent developments in posttranslational modification: intracellular processing. Kivirikko KI, et al. **Methods Enzymol** 1987;144:96–114

METABOLISM

Characterization of a low-relative-molecular-mass prolyl 4-hydroxylase from the green alga Chlamydomonas reinhardii. Kaska DD, et al. **Biochem J** 1987 Jan 15; 241(2):483–90

Protein disulfide-isomerase retains procollagen prolyl 4-hydroxylase structure in its native conformation. Koivu J, et al. **Biochemistry** 1986 Oct 7;25(20):5982–6

Prolyl hydroxylase activity as an index of liver damage induced by ethanol. Bańkowski E, et al. **Cell Biochem Funct** 1987 Jul;5(3):211–5

Increased prolylhydroxylase activity in chondrocytes but not synovial cells from adjuvant arthritic rat knees. Bates GP, et al. **Coll Relat Res** 1986 Oct;6(4):325–32

Enzyme markers of collagen synthesis in carbon tetrachloride-induced fibrosis and during colchicine modification of CCl4-induced liver injury. Bolarin DM, et al. **Exp Mol Pathol** 1987 Apr;46(2):145–52

Mechanisms by which acute phase proteins enhance development of liver fibrosis: effects on collagenase and prolyl-4-hydroxylase activity in the rat liver. van Gool J, et al. **Exp Mol Pathol** 1986 Oct;45(2):160–70

Increased prolyl hydroxylase activity and collagen synthesis in hepatocyte cultures exposed to superoxide. Hussain MZ, et al. **Hepatology** 1987 May-Jun;7(3):502–7

Types I and IV collagenolytic and plasminogen activator activities in preovulatory ovarian follicles. Palotie A, et al. **J Cell Biochem** 1987 Jun;34(2):101–12

Enzyme identity maintained [letter] Freedman RB. **Nature** 1987 Sep 24–30;329(6137):294–5

Collagen proline hydroxylase in wound healing, granuloma formation, scurvy, and growth. Mussini E, et al. **Science** 1967 Aug 25;157(3791):927–9

PROLINE OXIDASE see under **AMINE OXIDOREDUCTASES**

PROLINE,2-OXOGLUTARATE DIOXYGENASE see **PROLINE HYDROXYLASE**

PROLONGED-ACTION PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

PROLYL-LEUCYL-GLYCINAMIDE see **MSH RELEASE INHIBITING HORMONE**

PROM (PREGNANCY) see **FETAL MEMBRANES, PREMATURE RUPTURE**

PROMAZINE

A comparative study of transcutaneous electrical nerve stimulation (TENS), entonox, pethidine + promazine and lumbar epidural for pain relief in labor. Harrison RF, et al. **Acta Obstet Gynecol Scand** 1987;66(1):9–14

ADVERSE EFFECTS

[Respiratory failure in a newborn infant following repeated sedation for computerized tomography] Abel M. **Klin Padiatr** 1987 Jan-Feb;199(1):52–4 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Photosensitization of SV 40 DNA mediated by promazine derivatives and 4'-hydroxymethyl-4,5',8-trimethylpsoralen. Inhibition of the in vitro transcription. Decuyper J, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1069–76

METABOLISM

Interaction of promazine with human ceruloplasmin. Løvstad RA. **Int J Biochem** 1987;19(7):649–52

PHARMACODYNAMICS

Photosensitization of SV 40 DNA mediated by promazine derivatives and 4'-hydroxymethyl-4,5',8-trimethylpsoralen. Inhibition of the in vitro transcription. Decuyper J, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1069–76

RADIATION EFFECTS

Near-infrared detection of singlet molecular oxygen produced by photosensitization with promazine and chlorpromazine. Hall RD, et al. **Photochem Photobiol** 1987 Aug;46(2):295–300

TOXICITY

Toxicity of promazine and chlorpromazine to isolated rat hepatocytes and its modification by liposome entrapment. Salhab AS, et al. **Pharmacology** 1986;33(6):311–21

PROMEDOL see under **MEPERIDINE**

PROMEGESTONE see under **NORPREGNADIENES**

PROMETHAZINE

[Midazolam and pethidine/promethazine for intramuscular premedication] Tolksdorf W, et al. **Anaesthesist** 1987 Jun; 36(6):275–9 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Combination analgesic-antispasmodic therapy in postoperative pain. Blumenkopf B. **Spine** 1987 May; 12(4):384–7

ADVERSE EFFECTS

Use of promethazine (Phenergan) in labour [letter] Hall PF. **Can Med Assoc J** 1987 Apr 1;136(7):690–1

Lack of cross-reaction between promethazine and ethylenediamine [letter] Fisher AA. **Contact Dermatitis** 1987 Apr;16(4):236

Promethazine treatment of children with Attention Deficit Disorder with Hyperactivity—ineffective and unpleasant. Zametkin AJ, et al. **J Am Acad Child Psychiatry** 1986 Nov; 25(6):854–6

Promethazine-induced dystonic reaction. DeGrandi T, et al. **Pediatr Emerg Care** 1987 Jun;3(2):91–2

The neuroleptic malignant syndrome: occurrence in a 15-year-old boy and recovery with bromocriptine therapy. Tenenbein M. **Pediatr Neurosci** 1985–86;12(3):161–4

ANALOGS & DERIVATIVES

Thiazinamium—induced oesophageal ulcerations. Pen J, et al. **Acta Clin Belg** 1986;41(4):278–83

Effects of thiazinamium chloride and other antihistamines on phosphatidylcholine secretion in rat type II pneumocyte cultures. Gilfillan AM, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):277–81

Initial nociceptive sensitization in carrageenin-induced rat paw inflammation is dependent on amine autacoid mechanisms: electrophysiological and behavioural evidence obtained with a quaternary antihistamine, thiazinamium. Neil A, et al. **Exp Brain Res** 1987;65(2):343–51

Effects of thiazinamium chloride on histamine release from rat peritoneal mast cells and on phosphodiesterase activity in guinea pig lung. Carlson RP, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):348–50

ANALYSIS

Simultaneous determination of aminophylline and promethazine in suppositories by high-performance liquid chromatography. Kountourellis JE, et al. **Pharmazie** 1986 Aug;41(8):600–1

METABOLISM

Bioequivalence and pharmacokinetic profile of promethazine hydrochloride suppositories in humans. Stavchansky S, et al. **J Pharm Sci** 1987 Jun;76(6):441–5

PHARMACODYNAMICS

The hypnotic effects of an antihistamine: promethazine. Adam K, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):715–7

Effects of Ca2+, theophylline and promethazine on protein phosphorylation in intact cells of rabbit ileum. Correlation with active Na and Cl absorption. Sharp GW, et al. **FEBS Lett** 1987 Sep 14;221(2):309–14

Effect of promethazine on double tetracycline bone labeling in old mice. Tyan ML. **Mech Ageing Dev** 1986 Nov 14; 36(3):295–300

Promethazine, scopolamine and cinnarizine: comparative time course of psychological performance effects. Parrott AC, et al. **Psychopharmacology (Berlin)** 1987;92(4):513–9

Effect of pregnenolone carbonitrile, promethazine and antipyrine pretreatment on antipyrine metabolite formation in rats. Shaw PN, et al. **Xenobiotica** 1986 Dec; 16(12):1109–16

[The role of inflammation in the spontaneous elimination of Strongyloides ratti infestation] Bailenger J, et al. **Ann Parasitol Hum Comp** 1986;61(6):659–72 (Eng. Abstr.) **(Fre)**

[Pharmacologic and metabolic interactions between alcohol and promethazine] Sharkawi M, et al. **Union Med Can** 1987 Feb;116(2):105–8 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Treatment of severe motion sickness with antimotion sickness drug injections. Graybiel A, et al. **Aviat Space Environ Med** 1987 Aug;58(8):773–6

The specificity of drug classes for the anxiety and depressive disorders. Schmauss M, et al. **Clin Neuropharmacol** 1986; 9 Suppl 4:251–3

Age-related osteopenia in the mouse: effects of an H1 blocker, a phenothiazine, and promethazine. Tyan ML, et al. **Mech Ageing Dev** 1986 Aug;35(3):265–74

PROMETHIUM

METABOLISM

[Retention and excretion of 147promethium and its chromosome aberrations on bone marrow cells] Zhu SP, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):381–4 (Eng. Abstr.) **(Chi)**

TOXICITY

[Study on the monitoring metabolic peculiarity of 147Pm and its mutagenic effect on bone marrow cells] Zhu SP. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):283–5 (Eng. Abstr.) **(Chi)**

PROMETRYNE see under **HERBICIDES, TRIAZINE**

PROMOTER (GENETICS) see **PROMOTER REGIONS (GENETICS)**

PROMOTER REGIONS (GENETICS)

Transfection of human skeletal muscle cells with SV40 large T antigen gene coupled to a metallothionein promoter. Hurko O, et al. **Ann Neurol** 1986 Nov;20(5):573–82

Adenovirus promoters and E1A transactivation. Berk AJ. **Annu Rev Genet** 1986;20:45–79 (161 ref.)

The role of human globin gene promoters in the expression of hybrid genes in erythroid and non-erythroid cells. Acuto S, et al. **Biochem Biophys Res Commun** 1987 Mar 30; 143(3):1099–106

Translational regulation of the expression of zein cloned in yeast under an inducible GAL promoter. Compagno C, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):809–14

Cyclic AMP-induced expression of the mouse lactate dehydrogenase-A promoter-cat fusion gene in Chinese hamster ovary wild-type cells, but not in cAMP-dependent protein kinase mutant cells. Hou EW, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):501–5

Analysis of promoters of adenovirus type 12 E1A gene in a cell-free transcription system. Nakanishi Y, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):783–90

A rapid affinity method for isolation and characterization of sequence specific DNA binding factor. Singh RP, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):65–70

Modulation of Bacillus subtilis alpha-amylase promoter activity by the presence of a palindromic sequence in front of the gene. Takano J, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):73–9

Synthesis of the small subunit of ribulose-bisphosphate carboxylase from genes cloned into plasmids containing the SP6 promoter. Anderson S, et al. **Biochem J** 1986 Dec 15;240(3):709–15

Nucleotide sequence and nuclease hypersensitivity of the Chinese hamster dihydrofolate reductase gene promoter region. Azizkhan JC, et al. **Biochemistry** 1986 Oct 7; 25(20):6228–36

The sigma subunit of RNA polymerase contacts the leading ends of transcripts 9–13 bases long on the lambda PR promoter but not on T7 A1. Bernhard SL, et al. **Biochemistry** 1986 Oct 7;25(20):5914–9

High-resolution analysis of lac transcription complexes inside cells. Borowiec JA, et al. **Biochemistry** 1986 Sep 9; 25(18):5051–7

Interactions of T7 RNA polymerase with T7 late promoters measured by footprinting with methidiumpropyl-EDTA-iron(II). Gunderson SI, et al. **Biochemistry** 1987 Mar 24;26(6):1539–46

Replacement of potassium chloride by potassium glutamate dramatically enhances protein-DNA interactions in vitro. Leirmo S, et al. **Biochemistry** 1987 Apr 21;26(8):2095–101

Kinetic analysis of T7 RNA polymerase-promoter interactions with small synthetic promoters. Martin CT, et al. **Biochemistry** 1987 May 19;26(10):2690–6

Kinetics and sequence specificity of drug-DNA interactions: an in vitro transcription assay. Phillips DR, et al. **Biochemistry** 1986 Nov 18;25(23):7355–62

An Escherichia coli RNA polymerase tight-binding site on T7 DNA is a weak promoter subject to substrate inhibition. Prosen DE, et al. **Biochemistry** 1986 Sep 23;25(19):5378–87

Regions upstream from the core promoter of the rat ribosomal gene are required for the formation of a stable transcription initiation complex by RNA polymerase I in vitro. Cassidy B, et al. **Biochim Biophys Acta** 1987 Jul 14; 909(2):133–44

Roles for a promoter and RNA processing in the synthesis of mitochondrial displacement-loop strands. Chang DD, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):85–91

Large-scale preparation of a DNA fragment containing the strong promoter A1 of the phage T7. Heumann H, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):126–32

The interaction of the trp repressor from Escherichia coli with the trp operator. Lane AN, et al. **Biochim Biophys Acta** 1987 Jun 6;909(1):58–70

DNA sequences which influence the selection and efficient utilisation of transcriptional start sites of a eukaryotic gene by RNA polymerase II in vitro and in vivo. Kovacs BJ, et al. **Biosci Rep** 1986 Nov;6(11):937–44

Sardinian delta beta zero-thalassemia: a further example of a C to T substitution at position -196 of the A gamma globin gene promoter. Ottolenghi S, et al. **Blood** 1987 Apr; 69(4):1058–61

Phorbol ester-inducible genes contain a common cis element recognized by a TPA-modulated trans-acting factor. Angel P, et al. **Cell** 1987 Jun 19;49(6):729–39

Mutually exclusive interaction of the CCAAT-binding factor and of a displacement protein with overlapping sequences of a histone gene promoter. Barberis A, et al. **Cell** 1987 Jul 31;50(3):347–59

A CCAAT box confers cell-type-specific regulation on the Xenopus hsp70 gene in oocytes. Bienz M. **Cell** 1986 Sep 26;46(7):1037–42

A pituitary-specific trans-acting factor can stimulate transcription from the growth hormone promoter in extracts of nonexpressing cells. Bodner M, et al. **Cell** 1987 Jul 17;50(2):267–75

lac repressor can regulate expression from a hybrid SV40 early promoter containing a lac operator in animal cells. Brown M, et al. **Cell** 1987 Jun 5;49(5):603–12

Distinguishing between mechanisms of eukaryotic transcriptional activation with bacteriophage T7 RNA polymerase. Chen W, et al. **Cell** 1987 Sep 25;50(7):1047–55

Steroid-dependent interaction of transcription factors with the inducible promoter of mouse mammary tumor virus in vivo. Cordingley MG, et al. **Cell** 1987 Jan 30; 48(2):261–70

Regulation of the human interleukin-2 receptor alpha chain promoter: activation of a nonfunctional promoter by the transactivator gene of HTLV-I. Cross SL, et al. **Cell** 1987 Apr 10;49(1):47–56

Enhancement of mRNA nuclear transport by promoter elements. de la Peña P, et al. **Cell** 1987 Aug 14;50(4):613–9

3' end formation of U1 snRNA precursors is coupled to transcription from snRNA promoters. de Vegvar HE, et al. **Cell** 1986 Oct 24;47(2):259–66

A multiplicity of CCAAT box-binding proteins. Dorn A, et al. **Cell** 1987 Sep 11;50(6):863–72

Promoter selection in human mitochondria involves binding of a transcription factor to orientation-independent upstream regulatory elements. Fisher RP, et al. **Cell** 1987 Jul 17;50(2):247–58

Tissue-specific in vitro transcription from the mouse albumin promoter. Gorski K, et al. **Cell** 1986 Dec 5;47(5):767–76

A transcriptional terminator is a novel element of the promoter of the mouse ribosomal RNA gene. Henderson S, et al. **Cell** 1986 Dec 26;47(6):891–900

Formation of the 3' end of U1 snRNA requires compatible snRNA promoter elements. Hernandez N, et al. **Cell** 1986 Oct 24;47(2):249–58

Cooperativity of glucocorticoid response elements located far upstream of the tyrosine aminotransferase gene. Jantzen HM, et al. **Cell** 1987 Apr 10;49(1):29–38

An estrogen-responsive element derived from the 5' flanking region of the Xenopus vitellogenin A2 gene functions in transfected human cells. Klein-Hitpass L, et al. **Cell** 1986 Sep 26;46(7):1053–61

Eukaryotic RNA polymerase I promoter binding is directed by protein contacts with transcription initiation factor and is DNA sequence-independent. Kownin P, et al. **Cell** 1987 Aug 28;50(5):693–9

Reversible silencing of enhancers by sequences derived from the human IFN-alpha promoter. Kuhl D, et al. **Cell** 1987 Sep 25;50(7):1057–69

Ribosomal precursor 3' end formation requires a conserved element upstream of the promoter. Labhart P, et al. **Cell** 1987 Jul 3;50(1):51–7

Control of rDNA replication in Tetrahymena involves a cis-acting upstream repeat of a promoter element. Larson DD, et al. **Cell** 1986 Oct 24;47(2):229–40

Transcriptional selectivity of viral genes in mammalian cells. McKnight S, et al. **Cell** 1986 Sep 12;46(6):795–805 (110 ref.)

A termination site for Xenopus RNA polymerase I also acts as an element of an adjacent promoter. McStay B, et al. **Cell** 1986 Dec 26;47(6):913–20

T7 lysozyme inhibits transcription by T7 RNA polymerase. Moffatt BA, et al. **Cell** 1987 Apr 24;49(2):221–7

Initiation of transcription at the bacterial glnAp2 promoter by purified E. coli components is facilitated by enhancers. Ninfa AJ, et al. **Cell** 1987 Sep 25;50(7):1039–46

The 5S gene internal control region is composed of three distinct sequence elements, organized as two functional domains with variable spacing. Pieler T, et al. **Cell** 1987 Jan 16;48(1):91–100

Developmental control of a promoter-specific factor that is also regulated by the E1A gene product. Reichel R, et al. **Cell** 1987 Feb 13;48(3):501–6

VSG gene 118 is transcribed from a cotransposed pol I-like promoter. Shea C, et al. **Cell** 1987 Aug 14;50(4):603–12

Promoters, activator proteins, and the mechanism of transcriptional initiation in yeast. Struhl K. **Cell** 1987 May 8;49(3):295–7

42 bp element from LDL receptor gene confers end-product repression by sterols when inserted into viral TK promoter. Südhof TC, et al. **Cell** 1987 Mar 27;48(6):1061–9

Stimulation of a Chlamydomonas chloroplast promoter by novobiocin in situ and in E. coli implies regulation by torsional stress in the chloroplast DNA. Thompson RJ, et al. **Cell** 1987 Jan 30;48(2):281–7

Interactions between a DNA-binding transcription factor (COUP) and a non-DNA binding factor (S300-II). Tsai SY, et al. **Cell** 1987 Aug 28;50(5):701–9

Cell-specific expression of the human complement protein factor B gene: evidence for the role of two distinct 5'-flanking elements. Wu LC, et al. **Cell** 1987 Jan 30; 48(2):331–42

A general transcription factor forms a stable complex with RNA polymerase B (II). Zheng XM, et al. **Cell** 1987 Jul 31;50(3):361–8

Protein interactions at the transferrin receptor gene promoter. Miskimins WK, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:725–9

Differential ability of various plasmid DNAs to sequester inhibitors of RNA polymerase III transcription. Gutierrez-Hartmann A, et al. **DNA** 1987 Jun;6(3):231–7

Dioxin-inducible enhancer region upstream from the mouse P(1)450 gene and interaction with a heterologous SV40 promoter. Neuhold LA, et al. **DNA** 1986 Oct;5(5):403–11

Nucleotide quartets in the vicinity of eukaryotic transcriptional initiation sites: some DNA and chromatin structural implications. Nussinov R. **DNA** 1987 Feb; 6(1):13–22

Removal of positioned nucleosomes from the yeast PHO5 promoter upon PHO5 induction releases additional upstream activating DNA elements. Almer A, et al. **EMBO J** 1986 Oct;5(10):2689–96

Differential promoter utilization by the bovine papillomavirus in transformed cells and productively infected wart tissues. Baker CC, et al. **EMBO J** 1987 Apr;6(4):1027–35

Proteins that bind to RNA polymerase II are required for accurate initiation of transcription at the adenovirus 2 major late promoter. Burton ZF, et al. **EMBO J** 1986 Nov; 5(11):2923–30

Promoters of Escherichia coli: a hierarchy of in vivo strength indicates alternate structures. Deuschle U, et al. **EMBO J** 1986 Nov;5(11):2987–94

Superinduction of the human interferon-beta promoter. Dinter H, et al. **EMBO J** 1987 Mar;6(3):599–604

The conserved decanucleotide from the immunoglobulin heavy chain promoter induces a very high transcriptional activity in B-cells when introduced into an heterologous promoter. Dreyfus M, et al. **EMBO J** 1987 Jun; 6(6):1685–90

Trans-activation of an upstream early gene promoter of bovine papilloma virus-1 by a product of the viral E2 gene. Haugen TH, et al. **EMBO J** 1987 Jan;6(1):145–52

Functional dissection of Escherichia coli promoters: information in the transcribed region is involved in late steps of the overall process. Kammerer W, et al. **EMBO J** 1986 Nov;5(11):2995–3000

Unusual properties of promoter-up mutations in the Escherichia coli galactose operon and evidence suggesting RNA polymerase-induced DNA bending. Kuhnke G, et al. **EMBO J** 1987 Feb;6(2):507–13

A cellular transcription factor E4F1 interacts with an E1a-inducible enhancer and mediates constitutive enhancer function in vitro. Lee KA, et al. **EMBO J** 1987 May; 6(5):1345–53

Xenopus cytoskeletal actin and human c-fos gene promoters share a conserved protein-binding site. Mohun T, et al. **EMBO J** 1987 Mar;6(3):667–73

Purification of a factor specific for the upstream element of the adenovirus-2 major late promoter. Moncollin V, et al. **EMBO J** 1986 Oct;5(10):2577–84

Regulatory sequences in the promoter of the Dictyostelium Actin 6 gene. Nellen W, et al. **EMBO J** 1986 Dec 1; 5(12):3367–72

Autoregulation of bacteriophage P2 repressor. Saha S, et al. **EMBO J** 1987 Mar;6(3):809–14

High affinity binding site for nuclear factor I next to the hepatitis B virus S gene promoter. Shaul Y, et al. **EMBO J** 1986 Aug;5(8):1967–71

DNA-protein recognition: demonstration of three genetically separated operator elements that are required for repression of the Escherichia coli deoCABD promoters by the DeoR repressor. Valentin-Hansen P, et al. **EMBO J** 1986 Aug; 5(8):2015–21

Specific binding of TUF factor to upstream activation sites of yeast ribosomal protein genes. Vignais ML, et al. **EMBO J** 1987 May;6(5):1451–7

Cooperative interaction of multiple DNA elements in the human interferon-beta promoter. Dinter H, et al. **Eur J Biochem** 1987 Jul 1;166(1):103–9

Enhancer-mediated activation of a growth-regulated promoter. Moore G, et al. **Eur J Biochem** 1987 Jan 15; 162(2):333–8

The Noc region of Ti plasmid C58 codes for arginase and ornithine cyclodeaminase. Sans N, et al. **Eur J Biochem** 1987 Aug 17;167(1):81–7

Fast abortive initiation of uvrA promoter in a supercoiled plasmid studied by stopped-flow techniques. Bertrand-Burggraf E, et al. **FEBS Lett** 1987 May 4; 215(1):83–7

The human insulin-like growth factor II gene contains two development-specific promoters. de Pagter-Holthuizen P, et al. **FEBS Lett** 1987 Apr 20;214(2):259–64

Simplified in vitro synthesis of mutated RNA molecules. An oligonucleotide promoter determines the initiation site of T7RNA polymerase on ss M13 phage DNA. Krupp G, et al. **FEBS Lett** 1987 Feb 23;212(2):271–5

A TY1 element is inserted in the CYR1 control region of Saccharomyces cerevisiae strain AB320. Lenzen G, et al. **FEBS Lett** 1987 Jul 13;219(1):254–8

A putative internal promoter in the 16 S/23 S intergenic spacer of the rRNA operon of archaebacteria and eubacteria. Mankin AS, et al. **FEBS Lett** 1987 Jul 27; 219(2):269–73

RNA polymerase molecules initiating transcription at tandem promoters can collide and cause premature transcription termination. Ponnambalam S, et al. **FEBS Lett** 1987 Feb 9;212(1):21–7

Deletion analysis of the c-Ha-ras oncogene promoter. Trimble WS, et al. **FEBS Lett** 1987 Jul 13;219(1):70–4

Construction of plasmid vectors for the detection of streptococcal promoters. Achen MG, et al. **Gene** 1986; 45(1):45–9

RNA polymerase makes important contacts upstream from base pair -49 at the Escherichia coli galactose operon P1 promoter. Busby S, et al. **Gene** 1987;53(2–3):145–52

Two promoters from the Streptomyces plasmid pIJ101 and their expression in Escherichia coli. Buttner MJ, et al. **Gene** 1987;51(2–3):179–86

Analysis of promoter and enhancer cell type specificities and the regulation of immunoglobulin gene expression. Doyen

N, et al. **Gene** 1986;50(1-3):321-31
Sequence, structure and promoter characterization of the human thymidine kinase gene. Flemington E, et al. **Gene** 1987;52(2-3):267-77
Powerful and versatile enhancer-promoter unit for mammalian expression vectors. Foecking MK, et al. **Gene** 1986;45(1):101-5
Activating elements in the promoter region of the chicken beta-actin gene. Fregien N, et al. **Gene** 1986;48(1):1-11
Repression of a mutant derivative of the pRE promoter of bacteriophage lambda by its activator, CII. Gussin GN, et al. **Gene** 1986;46(2-3):171-80
Effect of the promoter structure on the nutL transcription antitermination function. Hasan N, et al. **Gene** 1986; 50(1-3):97-100
Promoter used by sigma-29 RNA polymerase from Bacillus subtilis. Hay RE, et al. **Gene** 1986;48(2-3):301-6
Differential utilization of Staphylococcus aureus promoter sequences by Escherichia coli and Bacillus subtilis. Hudson MC, et al. **Gene** 1986;48(1):93-100
Amplifiable expression vectors for mammalian cell lines. Israël N, et al. **Gene** 1987;51(2-3):197-204
Deletion loop mutagenesis of the nifL promoter from Klebsiella pneumoniae: role of the -26 to -12 region in promoter function. Khan H, et al. **Gene** 1986;45(3):281-8
Measurement of cat expression from growth-rate-regulated promoters employing beta-lactamase activity as an indicator of plasmid copy number. Klotsky RA, et al. **Gene** 1987;55(1):141-6
A low-copy-number vector utilizing beta-galactosidase for the analysis of gene control elements. Koop AH, et al. **Gene** 1987;52(2-3):245-56
Mutations resulting in promoter-like sequences which enhance the expression of araC in Salmonella typhimurium. Lee JH, et al. **Gene** 1986;46(1):113-21
Static bend of DNA helix at the activator recognition site of the ompF promoter in Escherichia coli. Mizuno T. **Gene** 1987;54(1):57-64
Enhancement of transcriptional activity of the Escherichia coli trp promoter by upstream A + T-rich regions. Nishi T, et al. **Gene** 1986;44(1):29-36
Promoter region of the human pro-alpha 1(II)-collagen gene. Nunez AM, et al. **Gene** 1986;44(1):11-6
CAT vectors for analysis of eukaryotic promoters and enhancers. Prost E, et al. **Gene** 1985;45(1):107-11
Bacillus subtilis phage phi 29 main promoters are efficiently recognized in vivo by the Streptomyces lividans RNA polymerase. Pulido D, et al. **Gene** 1986;49(3):377-82
Promoter cassettes, antibiotic-resistance genes, and vectors for plant transformation. Rothstein SJ, et al. **Gene** 1987; 53(2-3):153-61
Sequence analysis of the Bacillus subtilis argC promoter region. Smith MC, et al. **Gene** 1986;49(1):53-60
A transposable promoter and transposable promoter probes derived from Tn1721. Ubben D, et al. **Gene** 1987; 53(1):127-34
Regulation of the put operon in Salmonella typhimurium: characterization of promoter and operator mutations. Hahn DR, et al. **Genetics** 1986 Nov;114(3):687-703
Mutations that improve the pRE promoter of coliphage lambda. Mahoney ME, et al. **Genetics** 1987 Apr; 115(4):591-5
Analysis of the promoter of the ninaE opsin gene in Drosophila melanogaster. Mismer D, et al. **Genetics** 1987 Aug;116(4):565-78
Cross-specificities between cII-like proteins and pRE-like promoters of lambdoid bacteriophages. Wulff DL, et al. **Genetics** 1987 Apr;115(4):597-604
The early enhancer-promoter of BKV and host range for transformation. de Ronde A, et al. **Intervirology** 1987; 27(1):38-44
Characterization of Vibrio fischeri rRNA operons and subcloning of a ribosomal DNA promoter. Amikam D, et al. **J Bacteriol** 1987 May;169(5):2318-21
In vivo D-serine deaminase transcription start sites in wild-type Escherichia coli and in dsdA promoter mutants. Bornstein-Forst SM, et al. **J Bacteriol** 1987 Mar; 169(3):1056-60
Use of bacterial luciferase to establish a promoter probe vehicle capable of nondestructive real-time analysis of gene expression in Bacillus spp. Carmi OA, et al. **J Bacteriol** 1987 May;169(5):2165-70
Nucleotide sequence comparisons of plasmids pHD131, pJB1, pFA3, and pFA7 and beta-lactamase expression in Escherichia coli, Haemophilus influenzae, and Neisseria gonorrhoeae. Chen ST, et al. **J Bacteriol** 1987 Jul; 169(7):3124-30
Gene expression in Zymomonas mobilis: promoter structure and identification of membrane anchor sequences forming functional lacZ' fusion proteins. Conway T, et al. **J Bacteriol** 1987 Jun;169(6):2327-35
Promoter and nucleotide sequences of the Zymomonas mobilis pyruvate decarboxylase. Conway T, et al. **J Bacteriol** 1987 Mar;169(3):949-54
Operator sequences of the aerobactin operon of plasmid ColV-K30 binding the ferric uptake regulation (fur) repressor. de Lorenzo V, et al. **J Bacteriol** 1987 Jun; 169(6):2624-30
Bacillus subtilis rRNA promoters are growth rate regulated in Escherichia coli. Deneer HG, et al. **J Bacteriol** 1987 Mar;169(3):995-1002
Mutations in the lac P2 promoter. Donnelly CE, et al. **J Bacteriol** 1987 May;169(5):1812-7
Characterization of the promoter, signal sequence, and amino terminus of a secreted beta-galactosidase from "Streptomyces lividans"Eckhardt T, et al. **J Bacteriol** 1987 Sep;169(9):4249-56
Essential DNA sequence for the replication of Rts1. Itoh Y, et al. **J Bacteriol** 1987 Mar;169(3):1153-60
Cloning and expression of Mycobacterium bovis BCG DNA in "Streptomyces lividans"Kieser T, et al. **J Bacteriol** 1986 Oct;168(1):72-80
Activities of the RNAI and RNAII promoters of plasmid pBR322. Lin-Chao S, et al. **J Bacteriol** 1987 Mar; 169(3):1217-22
New regulatory features of the promoters of an Escherichia coli rRNA gene. Lukacsovich T, et al. **J Bacteriol** 1987 Jan;169(1):272-7
Identification of the promoter for a peptide antibiotic biosynthesis gene from Bacillus brevis and its regulation in Bacillus subtilis. Marahiel MA, et al. **J Bacteriol** 1987 May;169(5):2215-22
Identification of the promoter of the Bacillus subtilis sdh operon. Melin L, et al. **J Bacteriol** 1987 Jul;169(7):3232-6
Characterization by deletion and localized mutagenesis in vitro of the promoter region of the Escherichia coli ompC gene and importance of the upstream DNA domain in positive regulation by the OmpR protein. Mizuno T, et al. **J Bacteriol** 1986 Oct;168(1):86-95
Promoter of the pertussis toxin operon and production of pertussis toxin. Nicosia A, et al. **J Bacteriol** 1987 Jun; 169(6):2843-6
Nucleotide sequence of the Salmonella typhimurium metR gene and the metR-metE control region. Plamann LS, et al. **J Bacteriol** 1987 Sep;169(9):3932-7
Expression of Escherichia coli infC: identification of a promoter in an upstream thrS coding sequence. Pramanik A, et al. **J Bacteriol** 1986 Nov;168(2):746-51
Genetic analysis of RNA polymerase-promoter interaction during sporulation in bacillus subtilis. Ray C, et al. **J Bacteriol** 1987 May;169(5):1807-11
Mutations that create new promoters suppress the sigma 54 dependence of glnA transcription in Escherichia coli. Reitzer LJ, et al. **J Bacteriol** 1987 Sep;169(9):4279-84
Determination of the promoter strength of the gene encoding Escherichia coli heat-stable enterotoxin II. Spandau DF, et al. **J Bacteriol** 1987 Apr;169(4):1740-4
Activation of the xylDLEGF promoter of the TOL toluene-xylene degradation pathway by overproduction of the xylS regulatory gene product. Spooner RA, et al. **J Bacteriol** 1987 Aug;169(8):3581-6
Translational fusion with a secretory enzyme as an indicator. Wang PZ, et al. **J Bacteriol** 1987 Jul;169(7):3082-7
In vitro transcription of the nitrogen fixation regulatory operon nifLA of Klebsiella pneumoniae. Wong PK, et al. **J Bacteriol** 1987 Jun;169(6):2876-80
Use of the Bacillus subtilis subtilisin signal peptide for efficient secretion of TEM beta-lactamase during growth. Wong SL, et al. **J Bacteriol** 1986 Nov;168(2):1005-9
Induction of the nodA promoter of Rhizobium leguminosarum Sym plasmid pRL1JI by plant flavanones and flavones. Zaat SA, et al. **J Bacteriol** 1987 Jan; 169(1):198-204
Role of AbrB in Spo0A- and Spo0B-dependent utilization of a sporulation promoter in Bacillus subtilis. Zuber P, et al. **J Bacteriol** 1987 May;169(5):2223-30
Effects of plasmid propagation of a sporulation promoter on promoter utilization and sporulation in Bacillus subtilis. Zuber P, et al. **J Bacteriol** 1987 Feb;169(2):461-9
Nucleotide sequence of the asd gene of Streptococcus mutans. Identification of the promoter region and evidence for attenuator-like sequences preceding the structural gene. Cardineau GA, et al. **J Biol Chem** 1987 Mar 5; 262(7):3344-53
DNA functional groups required for formation of open complexes between Escherichia coli RNA polymerase and the lambda PR promoter. Identification via base analog substitutions. Dubendorff JW, et al. **J Biol Chem** 1987 Jan 15;262(2):892-8
Structure and expression of the rat insulin-like growth factor II (rIGF-II) gene. rIGF-II RNAs are transcribed from two promoters. Frunzio R, et al. **J Biol Chem** 1986 Dec 25;261(36):17138-49
Promoter selectivity of Escherichia coli RNA polymerase. Purification and properties of holoenzyme containing the heat-shock sigma subunit. Fujita N, et al. **J Biol Chem** 1987 Feb 5;262(4):1855-9
Functional steps in transcription initiation and reinitiation from the major late promoter in a HeLa nuclear extract. Hawley DK, et al. **J Biol Chem** 1987 Mar 15;262(8):3452-61
Interactions of Bacillus subtilis RNA polymerase with subunits determining the specificity of initiation. Sigma and delta peptides can bind simultaneously to core. Hyde EI, et al. **J Biol Chem** 1986 Dec 15;261(35):16565-70
Interactions of a proteolytically nicked RNA polymerase of bacteriophage T7 with its promoter. Ikeda RA, et al. **J Biol Chem** 1987 Mar 15;262(8):3800-8
Transcription at bacteriophage T4 variant late promoters. An application of a newly devised promoter-mapping method involving RNA chain retraction. Kassavetis GA, et al. **J Biol Chem** 1986 Oct 25;261(30):14256-65
Constitutive function of a positively regulated promoter reveals new sequences essential for activity. Keilty S, et al. **J Biol Chem** 1987 May 5;262(13):6389-95
Delineation of the intronless nature of the genes for the human and hamster beta 2-adrenergic receptor and their putative promoter regions. Kobilka BK, et al. **J Biol Chem** 1987 May 25;262(15):7321-7
Rat carbamyl-phosphate synthetase 1 gene. Promoter sequence and tissue-specific transcriptional regulation in vitro. Lagacé M, et al. **J Biol Chem** 1987 Aug 5; 262(22):10415-8
Promoter-glutathione S-transferase Ya cDNA hybrid genes. Expression and conferred resistance to an alkylating molecule in mammalian cells. Manoharan TH, et al. **J Biol Chem** 1987 Mar 15;262(8):3739-45
Cotranscription of the Escherichia coli isoleucyl-tRNA synthetase (ileS) and prolipoprotein signal peptidase (lsp) genes. Fine-structure mapping of the lsp internal promoter. Miller KW, et al. **J Biol Chem** 1987 Jan 5;262(1):389-93
Roles of the TGACT repeat sequence in the yeast TRP5 promoter. Moye WS, et al. **J Biol Chem** 1987 Mar 15; 262(8):3609-14
Functional elements of the human U1 RNA promoter. Identification of five separate regions required for efficient transcription and template competition. Murphy JT, et al. **J Biol Chem** 1987 Feb 5;262(4):1795-803
The rat alpha-fetoprotein and albumin genes. Transcriptional control and comparison of the sequence organization and promoter region. Nahon JL, et al. **J Biol Chem** 1987 Sep 15;262(26):12479-87
Separate binding sites for nuclear factor I and a CCAAT DNA binding factor in the mouse alpha 2(I) collagen promoter. Oikarinen J, et al. **J Biol Chem** 1987 Aug 15; 262(23):11064-70
Transcription initiation at the Escherichia coli galactose operon promoters in the absence of the normal -35 region sequences. Ponnambalam S, et al. **J Biol Chem** 1986 Dec 5;261(34):16043-8
A comprehensive collection of point mutations in the internal promoter of the adenoviral VAI gene. Rohan RM, et al. **J Biol Chem** 1987 Jun 25;262(18):8500-7
Interactions of the catabolite activator protein (CAP) at the galactose and lactose promoters of Escherichia coli probed by hydroxyl radical footprinting. The second CAP molecule which binds at gal and the one CAP at lac may act to stimulate transcription in the same way. Shanblatt SH, et al. **J Biol Chem** 1987 Aug 25;262(24):11422-7
Two nuclear factors compete for the skeletal muscle actin promoter. Walsh K, et al. **J Biol Chem** 1987 Jul 15; 262(20):9429-32
Characterization of 5'-flanking region of heart myosin light chain 2A gene. Structural and functional evidence for promoter activity. Zarraga AM, et al. **J Biol Chem** 1986 Oct 15;261(29):13852-60
Cell proliferation and expression of the transferrin receptor gene: promoter sequence homologies and protein interactions. Miskimins WK, et al. **J Cell Biol** 1986 Nov; 103(5):1781-8
Activation of the human beta-globin promoter in K562 cells by DNA sequences 5' to the fetal gamma- or embryonic zeta-globin genes. Lin HJ, et al. **J Clin Invest** 1987 Aug; 80(2):374-80
A 275 basepair fragment at the 5' end of the interleukin 2 gene enhances expression from a heterologous promoter in response to signals from the T cell antigen receptor. Durand DB, et al. **J Exp Med** 1987 Feb 1;165(2):395-407
Structure of the T15 VH gene subfamily: identification of immunoglobulin gene promotor homologies. Siu G, et al. **J Immunol** 1987 Jun 15;138(12):4466-71
Cellular promoters incorporated into the adenovirus genome. Effect of viral DNA replication on endogenous and exogenous gene transcription. Babiss LE, et al. **J Mol Biol** 1987 Feb 20;193(4):643-50
Specific binding of monomeric bacteriophage T3 and T7 RNA polymerases to their respective cognate promoters requires the initiating ribonucleoside triphosphate (GTP). Basu S, et al. **J Mol Biol** 1986 Aug 5;190(3):425-37
Selection of DNA binding sites by regulatory proteins. Statistical-mechanical theory and application to operators and promoters. Berg OG, et al. **J Mol Biol** 1987 Feb 20; 193(4):723-50
Promoter properties and negative regulation of the uvrA gene by the LexA repressor and its amino-terminal DNA binding domain. Bertrand-Burggraf E, et al. **J Mol Biol** 1987 Jan 20;193(2):293-302
Distinct sequence elements involved in the glucocorticoid regulation of the mouse mammary tumor virus promoter identified by linker scanning mutagenesis. Buetti E, et al. **J Mol Biol** 1986 Aug 5;190(3):379-89
Activity of a phage-modified RNA polymerase at hybrid promoters. Effects of substituting thymine for hydroxymethyluracil in a phage SP01 middle promoter. Choy HA, et al. **J Mol Biol** 1986 Sep 5;191(1):59-73
Expression of the prokaryotic gene for chloramphenicol acetyl transferase in Drosophila under the control of larval serum protein 1 gene promoters. Davies JA, et al. **J Mol Biol** 1986 May 5;189(1):13-24
Agrobacterium tumefaciens pTAR parA promoter region involved in autoregulation, incompatibility and plasmid partitioning. Gallie DR, et al. **J Mol Biol** 1987 Feb 5; 193(3):465-78
Regulation of a promoter that is utilized by minor forms of RNA polymerase holoenzyme in Bacillus subtilis. Igo MM, et al. **J Mol Biol** 1986 Oct 20;191(4):615-24
In vivo transcription of bacteriophage phi 29 DNA early

and late promoter sequences. Mellado RP, et al. **J Mol Biol** 1986 Sep 20;191(2):191–7

Activation of cryptic promoters of human c-myc genes in microinjected Xenopus laevis oocytes. Nishikura K. **J Mol Biol** 1987 Feb 5;193(3):497–505

Functional promoters created by the insertion of transposable element IS1. Prentki P, et al. **J Mol Biol** 1986 Oct 5; 191(3):383–93

Nucleotide sequences that define promoters that are used by Bacillus subtilis sigma-29 RNA polymerase. Rather PN, et al. **J Mol Biol** 1986 Dec 5;192(3):557–65

Regulated yeast promoters produced by DNA rearrangements selected in vivo. Scherer S. **J Mol Biol** 1986 Oct 5;191(3):355–65

Rat insulin-like growth factor II gene. A single gene with two promoters expressing a multitranscript family. Soares MB, et al. **J Mol Biol** 1986 Dec 20;192(4):737–52

Comparison of the open complexes formed by RNA polymerase at the Escherichia coli lac UV5 promoter. Straney DC, et al. **J Mol Biol** 1987 Jan 20;193(2):279–92

A stressed intermediate in the formation of stably initiated RNA chains at the Escherichia coli lac UV5 promoter. Straney DC, et al. **J Mol Biol** 1987 Jan 20;193(2):267–78

Yeast HIS3 expression in Escherichia coli depends upon fortuitous homology between eukaryotic and prokaryotic promoter elements. Struhl K. **J Mol Biol** 1986 Sep 20; 191(2):221–9

Alteration of the growth-rate-dependent regulation of Escherichia coli tyrT expression by promoter mutations [published erratum appears in 1986 Sep 5;191(1):151] Travers AA, et al. **J Mol Biol** 1986 May 5;189(1):251–5

Promoters and processing sites within the transforming region of bovine papillomavirus type 1. Ahola H, et al. **J Virol** 1987 Jul;61(7):2240–4

Activity of simian virus 40 late promoter elements in the absence of large T antigen: evidence for repression of late gene expression. Alwine JC, et al. **J Virol** 1986 Nov; 60(2):400–4

A single regulatory region modulates both cis activation and trans activation of the herpes simplex virus VP5 promoter in transient-expression assays in vivo. Blair ED, et al. **J Virol** 1986 Nov;60(2):460–9

The promoter for the late gene encoding Vp5 of herpes simplex virus type 1 is recognized by cell extracts derived from uninfected cells. Chisholm GE, et al. **J Virol** 1986 Nov;60(2):620–5

Bovine leukemia virus transcription is controlled by a virus-encoded trans-acting factor and by cis-acting response elements. Derse D. **J Virol** 1987 Aug; 61(8):2462–71

Characterization of equine infectious anemia virus long terminal repeat. Derse D, et al. **J Virol** 1987 Mar; 61(3):743–7

Characterization of the simian virus 40 late promoter: relative importance of sequences within the 72-base-pair repeats differs before and after viral DNA replication. Ernoult-Lange M, et al. **J Virol** 1987 Jan;61(1):167–76

Herpes simplex virus immediate-early promoters are responsive to virus and cell trans-acting factors. Gelman IH, et al. **J Virol** 1987 Jul;61(7):2286–96

Dissection of immediate-early gene promoters from herpes simplex virus: sequences that respond to the virus transcriptional activators. Gelman IH, et al. **J Virol** 1987 Oct;61(10):3167–72

Identification and characterization of the human cytomegalovirus immediate-early region 2 gene that stimulates gene expression from an inducible promoter. Hermiston TW, et al. **J Virol** 1987 Oct;61(10):3214–21

Multiple tandemly repeated binding sites for cellular nuclear factor 1 that surround the major immediate-early promoters of simian and human cytomegalovirus. Jeang KT, et al. **J Virol** 1987 May;61(5):1559–70

The 3' long terminal repeat of a transcribed yet defective endogenous retroviral sequence is a competent promoter of transcription. Levy DE, et al. **J Virol** 1987 Apr; 61(4):1261–5

Novel induction by herpes simplex virus of hybrid interferon gene transcripts driven by the strong cytomegalovirus IE94 promoter. Mosca JD, et al. **J Virol** 1987 Mar;61(3):819–28

Identification of a transcription factor which interacts with the distal domain of the adenovirus IVa2 promoter. Natarajan V, et al. **J Virol** 1987 Mar;61(3):646–52

trans-activation of cellular and viral promoters by a transforming nonkaryophilic simian virus 40 large T antigen. Pannuti A, et al. **J Virol** 1987 Apr;61(4):1296–9

Characterization of the trans-activation-responsive element of the parvovirus H-1 P38 promoter. Rhode SL 3d, et al. **J Virol** 1987 Sep;61(9):2807–15

Localization of Escherichia coli RNA polymerase-binding sites on bacteriophage S13 replicative form I DNA by protection of restriction enzyme cleavage sites. Ringuette M, et al. **J Virol** 1987 Jul;61(7):2297–303

Cloning the complete rIIB gene of bacteriophage T4 and some observations concerning its middle promoters. Shinedling S, et al. **J Virol** 1986 Nov;60(2):787–92

Characterization of a transcriptional promoter of human papillomavirus 18 and modulation of its expression by simian virus 40 and adenovirus early antigens. Thierry F, et al. **J Virol** 1987 Jan;61(1):134–42

Determination of the transcriptional regulatory region of a vaccinia virus late gene. Weir JP, et al. **J Virol** 1987 Jan; 61(1):75–80

Murine cells carrying integrated tandem genomes of hepatitis B virus DNA transcribe RNAs from endogenous promoters on both viral strands and express middle and major viral envelope proteins. Zelent AZ, et al. **J Virol** 1987 Apr; 61(4):1108–15

Myc genes linked to viral promoters can collaborate with a transformation-deficient simian virus 40 early gene mutant to transform established rat cells. Ikeda M, et al. **Jpn J Cancer Res** 1987 May;78(5):428–31

Expression of human interferon genes in E. coli with the lambda PL promoter. Crowl R. **Methods Enzymol** 1986; 119:376–83

Use of the phage lambda PL promoter for high-level expression of human interferons in Escherichia coli. Remaut E, et al. **Methods Enzymol** 1986;119:366–75

Frameshifts close to the Klebsiella pneumoniae nifH promoter prevent multicopy inhibition by hybrid nifH plasmids. Buck M, et al. **MGG** 1987 May;207(2–3):492–8

Purified Saccharomyces cerevisiae RNA polymerase II interacts homologously with two different promoters as revealed by P1 endonuclease analysis. Camilloni G, et al. **MGG** 1986 Aug;204(2):249–57

Characterization of a promoter up mutation in the -35 region of the promoter of the primer for ColE1 replication. Castagnoli L. **MGG** 1987 Jan;206(1):178–80

Deletion analysis of the mannopine synthase gene promoter in sunflower crown gall tumors and Agrobacterium tumefaciens. DiRita VJ, et al. **MGG** 1987 May; 207(2–3):233–41

Separation and analysis of the RNA polymerase binding sites of a complex Bacillus subtilis promoter. Le Grice SF, et al. **MGG** 1986 Aug;204(2):229–36

An upstream signal is required for in vitro transcription of Neurospora 5S RNA genes. Selker EU, et al. **MGG** 1986 Oct;205(1):189–92

Characterisation of the hydroxystreptomycin phosphotransferase gene (sph) of Streptomyces glaucescens: nucleotide sequence and promoter analysis. Vögtli M, et al. **MGG** 1987 Jun;208(1–2):195–203

Promoter switching during development and the termination site of the sigma 43 operon of Bacillus subtilis. Wang LF, et al. **MGG** 1987 Apr;207(1):114–9

The promoter proximal region in the virD locus of Agrobacterium tumefaciens is necessary for the plant-inducible circularization of T-DNA. Yamamoto A, et al. **MGG** 1987 Jan;206(1):174–7

The use of operon fusions in studies of the heat-shock response: effects of altered sigma 32 on heat-shock promoter function in Escherichia coli. Yano R, et al. **MGG** 1987 Apr;207(1):24–8

Cellular promoters incorporated into the adenovirus genome: effects of viral regulatory elements on transcription rates and cell specificity of albumin and beta-globin promoters. Babiss LE, et al. **Mol Cell Biol** 1986 Nov;6(11):3798–806

Binding of a nuclear factor to a regulatory sequence in the promoter of the mouse H-2Kb class I major histocompatibility gene. Baldwin AS Jr, et al. **Mol Cell Biol** 1987 Jan;7(1):305–13

Novel promoter upstream of the human c-myc gene and regulation of c-myc expression in B-cell lymphomas. Bentley DL, et al. **Mol Cell Biol** 1986 Oct;6(10):3481–9

Accurate in vitro transcription of Xenopus laevis mitochondrial DNA from two bidirectional promoters. Bogenhagen DF, et al. **Mol Cell Biol** 1986 Jul;6(7):2543–50

The chicken ubiquitin gene contains a heat shock promoter and expresses an unstable mRNA in heat-shocked cells. Bond U, et al. **Mol Cell Biol** 1986 Dec;6(12):4602–10

Replication-defective chimeric helper proviruses and factors affecting generation of competent virus: expression of Moloney murine leukemia virus structural genes via the metallothionein promoter. Bosselman RA, et al. **Mol Cell Biol** 1987 May;7(5):1797–806

Functional domains of a T-DNA promoter active in crown gall tumors. Bruce WB, et al. **Mol Cell Biol** 1987 Jan; 7(1):59–67

Mutations in the adenovirus major late promoter: effects on viability and transcription during infection. Brunet LJ, et al. **Mol Cell Biol** 1987 Mar;7(3):1091–100

Factor interactions at simian virus 40 GC-box promoter elements in intact nuclei. Buchanan RL, et al. **Mol Cell Biol** 1987 Apr;7(4):1554–8

Additional RNA polymerase I initiation site within the nontranscribed spacer region of the rat rRNA gene. Cassidy BG, et al. **Mol Cell Biol** 1987 Jul;7(7):2388–96

Minor transcription initiation events indicate that both human mitochondrial promoters function bidirectionally. Chang DD, et al. **Mol Cell Biol** 1986 Jan;6(1):294–301

Precise assignment of the heavy-strand promoter of mouse mitochondrial DNA: cognate start sites are not required for transcriptional initiation. Chang DD, et al. **Mol Cell Biol** 1986 Sep;6(9):3262–7

Precise assignment of the light-strand promoter of mouse mitochondrial DNA: a functional promoter consists of multiple upstream domains. Chang DD, et al. **Mol Cell Biol** 1986 Sep;6(9):3253–61

Interaction between two different regulatory elements activates the murine alpha A-crystallin gene promoter in explanted lens epithelia. Chepelinsky AB, et al. **Mol Cell Biol** 1987 May;7(5):1807–14

Identification of a regulatory region that mediates glucose-dependent induction of the Saccharomyces cerevisiae enolase gene ENO2. Cohen R, et al. **Mol Cell Biol** 1986 Jul;6(7):2287–97

Transcriptional control of the mouse prealbumin (transthyretin) gene: both promoter sequences and a distinct enhancer are cell specific. Costa RH, et al. **Mol Cell Biol** 1986 Dec;6(12):4697–708

In vitro transcription and delimitation of promoter elements of the murine dihydrofolate reductase gene. Farnham PJ, et al. **Mol Cell Biol** 1986 Jul;6(7):2392–401

Cellular promoters incorporated into the adenovirus genome: cell specificity of albumin and immunoglobulin expression. Friedman JM, et al. **Mol Cell Biol** 1986 Nov;6(11):3791–7

Novel serine phosphorylation of pp60c-src in intact cells after tumor promoter treatment. Gentry LE, et al. **Mol Cell Biol** 1986 Feb;6(2):735–8

RNA polymerase II interacts with the promoter region of the noninduced hsp70 gene in Drosophila melanogaster cells. Gilmour DS, et al. **Mol Cell Biol** 1986 Nov; 6(11):3984–9

Activation of the adenovirus and BK virus late promoters: effects of the BK virus enhancer and trans-acting viral early proteins. Grinnell BW, et al. **Mol Cell Biol** 1986 Nov; 6(11):3596–605

Two distinct promoter elements in the human rRNA gene identified by linker scanning mutagenesis. Haltiner MM, et al. **Mol Cell Biol** 1986 Jan;6(1):227–35

Activation of an enhancerless gene by chromosomal integration. Hamada H. **Mol Cell Biol** 1986 Dec; 6(12):4179–84

Functional organization of the Aspergillus nidulans trpC promoter. Hamer JE, et al. **Mol Cell Biol** 1987 Jul; 7(7):2352–9

Determinants of rat albumin promoter tissue specificity analyzed by an improved transient expression system. Heard JM, et al. **Mol Cell Biol** 1987 Jul;7(7):2425–34

Activation of tobacco DNA segments with plant promoter activity. Herman LM, et al. **Mol Cell Biol** 1986 Dec; 6(12):4486–92

Bidirectional promoter elements of simian virus 40 are required for efficient replication of the viral DNA. Hertz GZ, et al. **Mol Cell Biol** 1986 Oct;6(10):3513–22

Structural and functional characterization of the promoter region of the mouse c-Ki-ras gene. Hoffman EK, et al. **Mol Cell Biol** 1987 Jul;7(7):2592–6

The ovarian, ecdysterone, and heat-shock-responsive promoters of the Drosophila melanogaster hsp27 gene react very differently to perturbations of DNA sequence. Hoffman EP, et al. **Mol Cell Biol** 1987 Mar;7(3):973–81

Cell-specific expression of the human parathyroid hormone gene in rat pituitary cells. Igarashi T, et al. **Mol Cell Biol** 1986 May;6(5):1830–3

Molecular cloning of the murine adenosine deaminase gene from a genetically enriched source: identification and characterization of the promoter region. Ingolia DE, et al. **Mol Cell Biol** 1986 Dec;6(12):4458–66

Characterization of two atypical promoters and alternate mRNA processing in the mouse Thy-1.2 glycoprotein gene. Ingraham HA, et al. **Mol Cell Biol** 1986 Aug; 6(8):2923–31

DNA sequences required for specific and efficient initiation of transcription at the polyoma virus early promoter. Jat P, et al. **Mol Cell Biol** 1982 Jul;2(7):737–51

Efficient transcription of a Caenorhabditis elegans heat shock gene pair in mouse fibroblasts is dependent on multiple promoter elements which can function bidirectionally. Kay RJ, et al. **Mol Cell Biol** 1986 Sep;6(9):3134–43

Multiple control elements in the TRP1 promoter of Saccharomyces cerevisiae. Kim S, et al. **Mol Cell Biol** 1986 Dec;6(12):4251–8

Heat-inducible human factor that binds to a human hsp70 promoter. Kingston RE, et al. **Mol Cell Biol** 1987 Apr; 7(4):1530–4

Binding of polyomavirus large T antigen to the human hsp70 promoter is not required for trans activation. Kingston RE, et al. **Mol Cell Biol** 1986 Sep;6(9):3180–90

A 5'-flanking region of the chicken acetylcholine receptor alpha-subunit gene confers tissue specificity and developmental control of expression in transfected cells. Klarsfeld A, et al. **Mol Cell Biol** 1987 Feb;7(2):951–5

Genetic analysis of the human thymidine kinase gene promoter. Kreidberg JA, et al. **Mol Cell Biol** 1986 Aug; 6(8):2903–9

Structure and expression of the Saccharomyces cerevisiae CRY1 gene: a highly conserved ribosomal protein gene. Larkin JC, et al. **Mol Cell Biol** 1987 May;7(5):1764–75

Structure of transcripts from the homeotic Antennapedia gene of Drosophila melanogaster: two promoters control the major protein-coding region. Laughon A, et al. **Mol Cell Biol** 1986 Dec;6(12):4676–89

Target sequences for cis-acting regulation within the dual promoter of the human c-myc gene. Lipp M, et al. **Mol Cell Biol** 1987 Apr;7(4):1393–400

Stimulation of the adenovirus E2 promoter by simian virus 40 T antigen or E1A occurs by different mechanisms. Loeken MR, et al. **Mol Cell Biol** 1986 Jun;6(6):2020–6

Conservation of promoter sequence but not complex intron splicing pattern in human and hamster genes for 3-hydroxy-3-methylglutaryl coenzyme A reductase. Luskey KL. **Mol Cell Biol** 1987 May;7(5):1881–93

Downstream sequences affect transcription initiation from the adenovirus major late promoter. Mansour SL, et al. **Mol Cell Biol** 1986 Jul;6(7):2684–94

Accessibility of the promoter sequence in the J-chain gene

is regulated by chromatin changes during B-cell differentiation. Minie ME, et al. **Mol Cell Biol** 1986 Nov; 6(11):4031–8

Two transcriptional activators, CCAAT-box-binding transcription factor and heat shock transcription factor, interact with a human hsp70 gene promoter. Morgan WD, et al. **Mol Cell Biol** 1987 Mar;7(3):1129–38

Sequestration analysis for RNA polymerase I transcription factors with various deletion and point mutations reveals different functional regions of the mouse rRNA gene promoter. Nagamine M, et al. **Mol Cell Biol** 1987 Apr; 7(4):1486–95

Saccharomyces cerevisiae PHO5 promoter region: location and function of the upstream activation site. Nakao J, et al. **Mol Cell Biol** 1986 Jul;6(7):2613–23

Sequences involved in initiation of simian virus 40 late transcription in the absence of T antigen. Omilli F, et al. **Mol Cell Biol** 1986 Jun;6(6):1875–85

A DNA segment controlling metal-regulated expression of the Drosophila melanogaster metallothionein gene Mtn. Otto E, et al. **Mol Cell Biol** 1987 May;7(5):1710–5

Control of transcription initiation in vitro requires binding of a transcription factor to the distal promoter of the ovalbumin gene. Pastorcic M, et al. **Mol Cell Biol** 1986 Aug;6(8):2784–91

Competitive and cooperative functioning of the anterior and posterior promoter elements of an Alu family repeat. Perez-Stable C, et al. **Mol Cell Biol** 1986 Jun;6(6):2041–52

Tripartite upstream promoter element essential for expression of Saccharomyces cerevisiae ribosomal protein genes. Rotenberg MO, et al. **Mol Cell Biol** 1986 Feb;6(2):674–87

Human globin gene promoter sequences are sufficient for specific expression of a hybrid gene transfected into tissue culture cells. Rutherford T, et al. **Mol Cell Biol** 1987 Jan; 7(1):398–402

Functional expression of the cre-lox site-specific recombination system in the yeast Saccharomyces cerevisiae. Sauer B. **Mol Cell Biol** 1987 Jun;7(6):2087–96

Transcriptional control of the mouse alpha 2(I) collagen gene: functional deletion analysis of the promoter and evidence for cell-specific expression. Schmidt A, et al. **Mol Cell Biol** 1986 Feb;6(2):347–54

Cell cycle regulation of a mouse histone H4 gene requires the H4 promoter. Seiler-Tuyns A, et al. **Mol Cell Biol** 1987 Mar;7(3):1048–54

In vitro transcription of immunoglobulin genes in a B-cell extract: effects of enhancer and promoter sequences. Sen R, et al. **Mol Cell Biol** 1987 May;7(5):1989–94

Promoter region of interleukin-2 gene undergoes chromatin structure changes and confers inducibility on chloramphenicol acetyltransferase gene during activation of T cells. Siebenlist U, et al. **Mol Cell Biol** 1986 Sep; 6(9):3042–9

Transcriptional regulation of an hsp70 heat shock gene in the yeast Saccharomyces cerevisiae. Slater MR, et al. **Mol Cell Biol** 1987 May;7(5):1906–16

P transposons controlled by the heat shock promoter. Steller H, et al. **Mol Cell Biol** 1986 May;6(5):1640–9

Constitutive and inducible Saccharomyces cerevisiae promoters: evidence for two distinct molecular mechanisms. Struhl K. **Mol Cell Biol** 1986 Nov; 6(11):3847–53

Activation of the ribosomal DNA promoter in cells exposed to insulinlike growth factor I. Surmacz E, et al. **Mol Cell Biol** 1987 Feb;7(2):657–63

Duplicate upstream activating sequences in the promoter region of the Saccharomyces cerevisiae GAL7 gene. Tajima M, et al. **Mol Cell Biol** 1986 Jan;6(1):246–56

Human HER2 (neu) promoter: evidence for multiple mechanisms for transcriptional initiation. Tal M, et al. **Mol Cell Biol** 1987 Jul;7(7):2597–601

Identification of a promoter element located upstream from the hepatitis B virus X gene. Treinin M, et al. **Mol Cell Biol** 1987 Jan;7(1):545–8

The yeast repeated element sigma contains a hormone-inducible promoter. Van Arsdell SW, et al. **Mol Cell Biol** 1987 Feb;7(2):749–59

Cotransfection with adenovirus DNA enhances transcription from linear DNA containing eucaryotic promoters. Vasudevachari MB, et al. **Mol Cell Biol** 1987 Mar; 7(3):1063–9

Adenovirus E1a proteins repress expression from polyomavirus early and late promoters. Velcich A, et al. **Mol Cell Biol** 1986 Nov;6(11):4019–25

Interaction of a tissue-specific factor with an essential rat growth hormone gene promoter element. West BL, et al. **Mol Cell Biol** 1987 Mar;7(3):1193–7

Upstream domains of the Xenopus laevis rDNA promoter are revealed in microinjected oocytes. Windle J, et al. **Mol Cell Biol** 1986 Apr;6(4):1228–34

Two distant and precisely positioned domains promote transcription of Xenopus laevis rRNA genes: analysis with linker-scanning mutants. Windle JJ, et al. **Mol Cell Biol** 1986 Dec;6(12):4585–93

A consensus sequence polymer inhibits in vivo expression of heat shock genes. Xiao H, et al. **Mol Cell Biol** 1986 Sep;6(9):3200–6

Murine DNA polymerase beta gene: mapping of transcription initiation sites and the nucleotide sequence of the putative promoter region. Yamaguchi M, et al. **Mol Cell Biol** 1987 May;7(5):2012–8

Transcription terminator-like element within a Saccharomyces cerevisiae promoter region. Yarger JG, et al. **Mol Cell Biol** 1986 Apr;6(4):1095–101

Induction of umu gene expression by cross-links and other DNA lesions. Ohnishi T, et al. **Mutat Res** 1987 Jul; 184(1):7–11

Cell-cycle regulatory sequences in a hamster histone promoter and their interactions with cellular factors. Artishevsky A, et al. **Nature** 1987 Aug 27–Sep 2; 328(6133):823–7

A cyclic AMP- and phorbol ester-inducible DNA element. Comb M, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):353–6

Interaction of cell-type-specific nuclear proteins with immunoglobulin VH promoter region sequences. Landolfi NF, et al. **Nature** 1986 Oct 9–15;323(6088):548–51

Binding of a nuclear protein to the cyclic-AMP response element of the somatostatin gene. Montminy MR, et al. **Nature** 1987 Jul 9–15;328(6126):175–8

Photofootprinting in vivo detects transcription-dependent changes in yeast TATA boxes. Selleck SB, et al. **Nature** 1987 Jan 8–14;325(7000):173–7

Bending of promoter DNA on binding of heat shock transcription factor. Shuey DJ, et al. **Nature** 1986 Oct 2–8; 323(6087):459–61

A lymphoid-specific protein binding to the octamer motif of immunoglobulin genes. Staudt LM, et al. **Nature** 1986 Oct 16–22;323(6089):640–3

An octamer oligonucleotide upstream of a TATA motif is sufficient for lymphoid-specific promoter activity. Wirth T, et al. **Nature** 1987 Sep 10–16;329(6135):174–8

A TATA box implicated in E1A transcriptional activation of a simple adenovirus 2 promoter. Wu L, et al. **Nature** 1987 Apr 2–8;326(6112):512–5

Identification of the promoter sequences involved in the cell specific expression of the rat somatostatin gene. Andrisani OM, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5715–28

Specific cellular proteins bind to critical promoter sequences of the adenovirus early EIIa promoter. Boeuf H, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):509–27

Compilation and analysis of eukaryotic POL II promoter sequences. Bucher P, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10009–26

The enhancer sequence of human hepatitis B virus can enhance the activity of its surface gene promoter. Chang HK, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2261–8

Construction of bacteriophage T7 late promoters with point mutations and characterization by in vitro transcription properties. Chapman KA, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5413–32

The core promoter of mouse rDNA consists of two functionally distinct domains. Clos J, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7581–95

Evidence for the involvement of the 16kD gene promoter in initiation of chromosomal replication of Eschcrichia coli strains carrying a B/r-derived replication origin. de Wind N, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4901–14

Dynamic and structural characterisation of multiple steps during complex formation between E. coli RNA polymerase and the tetR promoter from pSC101. Duval-Valentin G, et al. **Nucleic Acids Res** 1987 Jan 26; 15(2):575–94

Comparison of promoter suppression in avian and murine retrovirus vectors. Emerman M, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9381–96

Sequences closely related to an immunoglobulin gene promoter/enhancer element occur also upstream of other eukaryotic and of prokaryotic genes. Falkner FG, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8819–27

The requirement for the A block promoter element in tRNA gene transcription in vitro depends on the ionic environment. Gabrielsen OS, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5699–713

The E4 promoter of adenovirus type 2 contains an E1A dependent cis-acting element. Gilardi P, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9035–49

A subpopulation of spinach chloroplast tRNA genes does not require upstream promoter elements for transcription. Gruissem W, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7541–56

Analysis of E. coli promoter sequences. Harley CB, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2343–61

Identification and cell type specificity of the tyrosine hydroxylase gene promoter. Harrington CA, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2363–84

Partial overlapping of binding sequences for steroid hormone receptors and DNaseI hypersensitive sites in the rabbit uteroglobin gene region. Jantzen K, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4535–52

Chromatin structure of the promoter region of the human c-K-ras gene. Jordano J, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7361–78

Studies on SP6 promoter using a new plasmid vector that allows gene insertion at the transcription initiation site. Kang C, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2279–94

Analysis of the primary structure and promoter function of a pyruvate decarboxylase gene (PDC1) from Saccharomyces cerevisiae. Kellermann E, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8963–77

Polyadenylation at a cryptic site in the pBR322 portion of pSV2-neo: prevention of its utilization by the SV40 late poly(A) signal. Kessler MM, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):631–42

Beta-globin gene promoter generates 5' truncated transcripts in the embryonic/fetal erythroid environment [published erratum appears in Nucleic Acids Res 1987 Feb 25;15(4):1886] Khazaie K, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7199–212

In vivo transcription from multiple spacer rRNA gene promoters during early development and evolution of the intergenic spacer in the brine shrimp Artemia. Koller HT, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5391–411

Xenopus tropicalis U6 snRNA genes transcribed by Pol III contain the upstream promoter elements used by Pol II dependent U snRNA genes. Krol A, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2463–78

Nuclear proteins from lactating mammary glands bind to the promoter of a milk protein gene. Lubon H, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2103–21

CAT constructions with multiple unique restriction sites for the functional analysis of eukaryotic promoters and regulatory elements. Luckow B, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5490

A new method for constructing linker scanning mutants. Luckow B, et al. **Nucleic Acids Res** 1987 Jan 26; 15(2):417–29

The sequence motifs that are involved in SV40 enhancer function also control SV40 late promoter activity. May E, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2445–61

Two transcriptional start sites found in the promoter region of Escherichia coli glutamine permease operon, glnHPQ. Nohno T, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2777

Promoter selectivity of Escherichia coli RNA polymerase: alteration by fMet-tRNAfMet. Nomura T, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6857–70

Effect of the deletion of upstream DNA sequences on expression from the ilvGp2 promoter of the ilvGMEDA operon of Escherichia coli K-12. Ortuno MJ, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1521–42

Regulation of viral and cellular promoter activity by polyomavirus early proteins. Pannuti A, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1595–613

Transcription of a human transposon-like sequence is usually directed by other promoters. Paulson KE, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5199–215

Sequence distributions associated with DNA curvature are found upstream of strong E. coli promoters. Plaskon RR, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):785–96

Sequences of the 5' portion of the human c-sis gene: characterization of the transcriptional promoter and regulation of expression of the protein product by 5' untranslated mRNA sequences. Ratner L, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6017–36

Putative promoter elements for the ribosomal RNA genes of the thermoacidophilic archaebacterium Sulfolobus sp. strain B12. Reiter WD, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5581–95

Comparison of cauliflower mosaic virus 35S and nopaline synthase promoters in transgenic plants. Sanders PR, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1543–58

Effect of point mutations on in vitro transcription from the promoter for the large ribosomal RNA gene of yeast mitochondria. Schinkel AH, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5597–612

The human cytomegalovirus immediate early gene promoter is a strong promoter in cultured Drosophila melanogaster cells. Sinclair JH. **Nucleic Acids Res** 1987 Mar 11;15(5):2392

Germline sequence of two human T-cell receptor V beta genes: V beta 8.1 is transcribed from a TATA-box promoter. Smith WJ, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4991

A. tumefaciens pTi A6 and C58 vir C and D promoter alignment. Tate ME. **Nucleic Acids Res** 1987 Aug 25; 15(16):6739

A common structural feature in promoter sequences of E. coli. Tung CS, et al. **Nucleic Acids Res** 1987 Jun 25; 15(12):4973–85

Novobiocin interferes with the binding of transcription factors TFIIIA and TFIIIC to the promoters of class III genes. Van Dyke MW, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4365–74

Activation of the adenovirus 2 protein IX promoter by DNA replication in a transient expression assay. Venkatesh LK, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2235–50

A new method for DNA surface-property display and its application to E. coli promoter sequences. Fujino S, et al. **Nucleic Acids Symp Ser** 1986;(17):191–4

Sequence and functional analysis of a divergent promoter from a cryptic plasmid of Lactobacillus acidophilus 168 S. Damiani G, et al. **Plasmid** 1987 Jan;17(1):69–72

Analysis of transcription from the trfA promoter of broad host range plasmid RK2 in Escherichia coli, Pseudomonas putida, and Pseudomonas aeruginosa. Pinkney M, et al. **Plasmid** 1987 May;17(3):222–32

Ha-ras oncogene expression directed by a milk protein gene promoter: tissue specificity, hormonal regulation, and tumor induction in transgenic mice. Andres AC, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1299–303

GCN4 protein, a positive transcription factor in yeast, binds general control promoters at all 5' TGACTC 3' sequences. Arndt K, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8516–20

Mutational analysis of the immunoglobulin heavy chain promoter region. Ballard DW, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9626–30

Glucocorticoid inhibition of transcription from episomal

proopiomelanocortin gene promoter. Charron J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8903–7

Molecular cloning of the human gene for von Willebrand factor and identification of the transcription initiation site. Collins CJ, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4393–7

Distinct transcription factors bind specifically to two regions of the human histone H4 promoter. Dailey L, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7241–5

Cloning and analysis of the promotor region of the human fibronectin gene. Dean DC, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1876–80

Properties of a mouse ribosomal protein promoter. Dudov KP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8545–9

Two promoters, one inducible and one constitutive, control transcription of the Streptomyces lividans galactose operon. Fornwald JA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2130–4

Binding of transcription factors and creation of a large nucleoprotein complex on the human cytomegalovirus enhancer. Ghazal P, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3658–62

A human beta-actin expression vector system directs high-level accumulation of antisense transcripts. Gunning P, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4831–5

DNA sequence analysis suggests that expression of flagellar and chemotaxis genes in Escherichia coli and Salmonella typhimurium is controlled by an alternative sigma factor. Helmann JD, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6422–4

Promoters selected from random DNA sequences. Horwitz MS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7405–9

The gene-specific initiation factor USF (upstream stimulatory factor) bound at the adenovirus type 2 major late promoter: mass and three-dimensional structure. Hough PV, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4826–30

Characterization of the promoter region of the human c-erbB-2 protooncogene. Ishii S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4374–8

A common positive trans-acting factor binds to enhancer sequences in the promoters of mouse H-2 and beta 2-microglobulin genes. Israël A, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2653–7

Thyroid hormone receptor binds to a site in the rat growth hormone promoter required for induction by thyroid hormone. Koenig RJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5670–4

Role of an adenovirus E2 promoter binding factor in E1A-mediated coordinate gene control. Kovesdi I, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2180–4

Protein-nucleotide contacts in the immunoglobulin heavy-chain promoter region. Landolfi NF, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3851–5

Modulation of transcription by DNA supercoiling: a deletion analysis of the Escherichia coli gyrA and gyrB promoters. Menzel R, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4185–9

Promoter mapping and cell cycle regulation of flagellin gene transcription in Caulobacter crescentus. Minnich SA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1142–6

Cell type-specific negative regulatory element in the control region of the rat alpha-fetoprotein gene. Muglia L, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7653–7

Identification of promoter elements required for in vitro transcription of hamster 3-hydroxy-3-methylglutaryl coenzyme A reductase gene. Osborne TF, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3614–8

Promoter domain mediates guanosine tetraphosphate activation of the histidine operon. Riggs DL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9333–7

Multiple sequence elements are required for regulation of human T-cell leukemia virus gene expression. Rosen CA, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4919–23

Multiple nuclear proteins bind upstream sequences in the promotor region of a T-cell receptor beta-chain variable-region gene: evidence for tissue specificity. Royer HD, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):232–6

The yeast PHO5 promoter: phosphate-control elements and sequences mediating mRNA start-site selection. Rudolph H, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1340–4

Promoter trans-activation of protooncogenes c-fos and c-myc, but not c-Ha-ras, by products of adenovirus early region 1A. Sassone-Corsi P, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6430–3

Activation of interleukin 2 and interleukin 2 receptor (Tac) promoter expression by the trans-activator (tat) gene product of human T-cell leukemia virus, type I. Siekevitz M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5389–93

Two promoter-specific host factors interact with adjacent sequences in an E1A-inducible adenovirus promoter. SivaRaman L, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6112–6

Trans-activation of a methylated adenovirus promoter by a frog virus 3 protein. Thompson JP, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7688–92

Liver-specific expression of the mouse alpha-fetoprotein gene is mediated by cis-acting DNA elements. Widen SG, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8196–200

Detection of three protein binding sites in the serum-regulated promoter of the human gene encoding the 70-kDa heat shock protein. Wu BJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2203–7

Early promoter-binding factor from vaccinia virions. Yuen L, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6069–73

Identification by cell fusion of gene sequences that interact with positive trans-acting factors. Lufkin T, et al. **Science** 1987 Jul 17;237(4812):283–6

The immunoglobulin octanucleotide: independent activity and selective interaction with enhancers. Parslow TG, et al. **Science** 1987 Mar 20;235(4795):1498–501

Protein-DNA interactions in vivo upstream of a cell cycle-regulated human H4 histone gene. Pauli U, et al. **Science** 1987 Jun 5;236(4806):1308–11

A promoter with an internal regulatory domain is part of the origin of replication in BPV-1. Stenlund A, et al. **Science** 1987 Jun 26;236(4809):1666–71

Natural and synthetic heat shock protein gene promoters assayed in Drosophila cells. Berger EM, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):433–40

In vitro identification of a B19 parvovirus promoter. Blundell MC, et al. **Virology** 1987 Apr;157(2):534–8

Analysis of the early regulatory region of the human papovavirus BK. Deyerle KL, et al. **Virology** 1987 May; 158(1):181–93

A transcriptional promoter of the human parvovirus B19 active in vitro and in vivo. Doerig C, et al. **Virology** 1987 Apr;157(2):539–42

Expression of the poliovirus genome from infectious cDNA is dependent upon arrangements of eukaryotic and prokaryotic sequences in recombinant plasmids. Kuhn RJ, et al. **Virology** 1987 Apr;157(2):560–4

SV40 late promoter: contribution of the initiation site sequences to basal late promoter activity. Omilli F, et al. **Virology** 1987 Mar;157(1):232–5

Infection with frog virus 3 allows transcription of DNA methylated at cytosine but not adenine residues. Thompson JP, et al. **Virology** 1987 Sep;160(1):275–7

Determination of the promoter region of an early vaccinia virus gene encoding thymidine kinase. Weir JP, et al. **Virology** 1987 May;158(1):206–10

[Highly selective affinity labeling of a promoter in a complex with E. coli RNA-polymerase by alkylating derivatives of initiating substrates] Grachev MA, et al. **Bioorg Khim** 1987 Apr;13(4):565–7 (Eng. Abstr.) **(Rus)**

[Affinity modification of E. coli RNA-polymerase in a complex with the promoter by phosphorylating derivatives of primer oligonucleotides] Grachev MA, et al. **Bioorg Khim** 1986 Dec;12(12):1678–81 (Eng. Abstr.) **(Rus)**

[Rapid automated synthesis on paper disks of oligodeoxyribonucleotides constituting the promoter fragment of the vaccinia virus genome] Lomakin AI, et al. **Bioorg Khim** 1987 Mar;13(3):370–8 (Eng. Abstr.) **(Rus)**

[Plasmid vector for gene expression containing the temperature-dependent promoter of phage lambda P'R DNA] Kravchenko VV, et al. **Dokl Akad Nauk SSSR** 1986; 291(5):1253–6 **(Rus)**

[Relative effectiveness of various promoters from Escherichia coli and phage lambda] Mashko SV, et al. **Dokl Akad Nauk SSSR** 1986;291(6):1510–3 **(Rus)**

[Characteristics of the protein specifically binding to the major late promoter of adenovirus type 2] Nikolaev LG, et al. **Dokl Akad Nauk SSSR** 1987;294(5):1251–4 **(Rus)**

[Effect of promoter duplication in the synthetic interferon gene on the level of its expression] Il'ichev AA, et al. **Genetika** 1987 Feb;23(2):197–201 (Eng. Abstr.) **(Rus)**

[Recognition of Escherichia coli promoters from the primary structure of DNA] Aleksandrov NN, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):242–9 (Eng. Abstr.) **(Rus)**

[Expression of aminoglycoside phosphotransferase gene is under the control of recA promoter] Kiselev VI, et al. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):1008–13 (Eng. Abstr.) **(Rus)**

[Effectiveness of expression of the chloramphenicol acetyltransferase gene controlled by foreign regulator regions in Escherichia coli cells. II. Molecular cloning of promoters] Mashko SV, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):73–86 (Eng. Abstr.) **(Rus)**

[Minor promoters of phage phi X174 are controlled by CRP-cAMP, lexA, glnG and several other common common regulatory systems of the host cell] Shumilov VIu. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):200–23 (Eng. Abstr.) **(Rus)**

[Transfer of active oncogenes and promoters into the mouse cell genome] Tatosian AG, et al. **Mol Biol (Mosk)** 1986 Sep–Oct;20(5):1226–35 (Eng. Abstr.) **(Rus)**

[Structural-functional characteristics of Bacillus mesentericus promoters cloned in Bacillus subtilis cells] Bashkirov VI, et al. **Mol Gen Mikrobiol Virusol** 1987 Apr;(4):8–14 (Eng. Abstr.) **(Rus)**

[Design of a recombinant plasmid allowing the selection of an optimal promotor for the human interferon alpha2 gene] Il'ichev AA, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul; (7):23–6 (Eng. Abstr.) **(Rus)**

[Synthesis of aminoglycoside phosphotransferase is under control the PL-promoter of phage lambda] Kiselev VI, et al. **Mol Gen Mikrobiol Virusol** 1986 May;(5):20–3 (Eng. Abstr.) **(Rus)**

[Expression of the chloramphenicol acetyltransferase gene is under control of various promoters of E. coli and phage lambda] Mashko SV, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr;(4):9–16 (Eng. Abstr.) **(Rus)**

[Riboflavin operon in Bacillus subtilis contains additional promoters] Morozov GI, et al. **Mol Gen Mikrobiol Virusol** 1985 Dec;(12):14–9 (Eng. Abstr.) **(Rus)**

[Expression of human leukocyte interferon type A in Saccharomyces cerevisiae under the control of regulatory elements of the yeast gene URA3] Nikoshkov AB, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):26–32 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of drug-DNA interactions upon transcription initiation at the lac promoter. Straney DC, et al. **Biochemistry** 1987 Apr 7;26(7):1987–95

Mitomycin C-induced bidirectional transcription from the colicin E1 promoter region in plasmid ColE1. Parker RC. **Biochim Biophys Acta** 1986 Oct 16;868(1):39–44

The hormone response element of the mouse mammary tumour virus DNA mediates the progestin and androgen induction of transcription in the proviral long terminal repeat region. Cato AC, et al. **EMBO J** 1987 Feb;6(2):363–8

Sequences required for cell-type specific thyroid hormone regulation of rat growth hormone promoter activity. Larsen PR, et al. **J Biol Chem** 1986 Nov 5;261(31):14373–6

A calcium ionophore-inducible cellular promoter is highly active and has enhancerlike properties. Lin AY, et al. **Mol Cell Biol** 1986 Apr;6(4):1235–43

Expression of the lacZ gene from two methanol-regulated promoters in Pichia pastoris. Tschopp JF, et al. **Nucleic Acids Res** 1987 May 11;15(9):3859–76

Activation of adenovirus promoters by the adenovirus E1A protein in cell-free extracts. Spangler R, et al. **Science** 1987 Aug 28;237(4818):1044–6

Tissue-specific influences affect glucocorticoid regulatory element actions on the human growth hormone gene promotor. Slater EP, et al. **Trans Assoc Am Physicians** 1985;98:66–73

PROMOTION OF HEALTH see **HEALTH PROMOTION**

PROMYELOCYTES see **GRANULOCYTES**

PRONASE

METABOLISM

Inhibition by equine alpha 2-macroglobulin of an N-succinyl-L-trialanine p-nitroanilide-hydrolyzing protease purified from pronase. Ueki H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4207–14

PHARMACODYNAMICS

Perturbation of the blood-retinal barrier after enzyme perfusion. A cytochemical study. Pino RM. **Lab Invest** 1987 May;56(5):475–80

[Effect of proteolytic enzymes and bile salts combined with EDTA 4Na on the dissolution of calcium bilirubinate gallstones] Cho H, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan;88(1):81–8 (Eng. Abstr.) **(Jpn)**

[Mechanism of action of pronase on chronic proliferative inflammation including granuloma angiogenesis in mice] Amemiya K, et al. **Nippon Yakurigaku Zasshi** 1986 Oct; 88(4):279–88 (Eng. Abstr.) **(Jpn)**

[Enzymatic isolation of the pyramidal neurons of the rat hippocampus] Kliuchko EM, et al. **Fiziol Zh** 1987 Mar-Apr;33(2):115–9 (Eng. Abstr.) **(Rus)**

PRO-OPIOCORTIN see **PRO-OPIOMELANOCORTIN**

PRO-OPIOMELANOCORTIN

Structure and bioactivity of the amino-terminal fragment of pro-opiomelanocortin. Seger MA, et al. **J Steroid Biochem** 1986 Nov;25(5B):703–10 (41 ref.)

ANALOGS & DERIVATIVES

The effects of pro-opiomelanocortin peptides on cyclic AMP and tyrosinase in melanoma cells. Farah JM Jr, et al. **Peptides** 1986 May–Jun;7(3):437–41

ANALYSIS

Immunocytochemical demonstration of proopiomelanocortin- and other opioid-related substances and a CRF-like peptide in the gut of the american cockroach, Periplaneta americana L. Schols D, et al. **Histochemistry** 1987;86(4):345–51

CSF and plasma levels of pro-opiomelanocortic-related peptides [letter] Iacona RP, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):1090

BIOSYNTHESIS

Cushing's syndrome due to ectopic proopiomelanocortin gene expression by islet cell carcinoma of the pancreas. Melmed S, et al. **Cancer** 1987 Feb 15;59(4):772–8

Effect of chronic secretagogue exposure on pro-adrenocorticotropin/endorphin production and secretion in primary cultures of rat anterior pituitary. Wand GS, et al. **Endocrinology** 1987 Mar;120(3):953–61

Biosynthetic fate of the amino-terminal fragment of

pro-opiomelanocortin within the intermediate lobe of the mouse pituitary. Bennett HP. **Peptides** 1986 Jul-Aug; 7(4):615-22

Characterization of sulfated forms of the pro-opiomelanocortin amino-terminal glycopeptide in rat intermediate lobe cells. Bourbonnais Y, et al. **Peptides** 1986 Jul-Aug;7(4):659-68

Regulation of pro-opiomelanocortin gene transcription in individual cell nuclei. Fremeau RT Jr, et al. **Science** 1986 Dec 5;234(4781):1265-9

BLOOD

Diurnal rhythms of proopiomelanocortin-derived N-terminal peptide, beta-lipotropin, beta-endorphin and adrenocorticotropin in normal subjects and in patients with Addison's disease and Cushing's disease. Sekiya K, et al. **Endocrinol Jpn** 1986 Oct;33(5):713-9

CEREBROSPINAL FLUID

Characterization of N-terminal fragment of proopiomelanocortin in cerebrospinal fluid. Gaspar L, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):198-202

GENETICS

Physiologically-induced changes in proopiomelanocortin mRNA levels in the pituitary gland of the amphibian Xenopus laevis. Martens GJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):678-84

Hormone receptor regulated proopiomelanocortin gene expression. Reisine T, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):191-5

Regulation of testicular proopiomelanocortin gene expression. Chen CL, et al. **Endocrinology** 1987 Aug; 121(2):590-6

Histological evaluation of the dopaminergic regulation of proopiomelanocortin gene expression in the intermediate lobe of the rat pituitary, involving in situ hybridization and [3H]thymidine uptake measurement. Chronwall BM, et al. **Endocrinology** 1987 Mar;120(3):1201-11

Calcium ion and cyclic adenosine 3',5'-monophosphate regulate proopiomelanocortin messenger ribonucleic acid levels in rat intermediate and anterior pituitary lobes. Loeffler JP, et al. **Endocrinology** 1986 Dec;119(6):2840-7

The regulation of granulosa cell proopiomelanocortin messenger ribonucleic acid by androgens and gonadotropins. Melner MH, et al. **Endocrinology** 1986 Nov; 119(5):2082-8

Structural organization of the proopiomelanocortin gene in Xenopus laevis. 5'-end homologies within the toad and mammalian genes. Martens GJ. **Eur J Biochem** 1987 Jun 1;165(2):467-72

Pro-opiomelanocortin (POMC) gene excluded as a cause of panic disorder in a large family. Crowe RR, et al. **J Affective Disord** 1987 Jan-Feb;12(1):23-7

Expression of porcine pro-opiomelanocortin cDNA in heterologous monkey kidney cells. Biosynthesis and secretion of the prohormone without processing. Noël G, et al. **J Biol Chem** 1987 Feb 5;262(4):1876-81

Biosynthesis of opioid peptides. Civelli O, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:21-42

Glucocorticoid inhibition of transcription from episomal proopiomelanocortin gene promoter. Charron J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8903-7

Expression of the proopiomelanocortin gene is developmentally regulated and affected by germ cells in the male mouse reproductive system. Gizang-Ginsberg E, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1600-4

Differential expression of opioid peptide genes by testicular germ cells and somatic cells. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5695-9

[Recent aspects of the physiopathology of Cushing syndromes: molecular genetics of pro-opiomelanocortin] Bertagna X, et al. **Journ Annu Diabetol Hotel Dieu** 1987; :95-101 **(Fre)**

[Cloning of DNA complementary to mRNA for proopiomelanocortin from the bovine, rat and human hypophysis. Hormonal regulation of proopiomelanocortin mRNA in the rat hypophysis] Mertvetsov NP, et al. **Biokhimiia** 1987 May;52(5):707-14 (Eng. Abstr.) **(Rus)**

[Synthesis, cloning and primary structure of DNA complementary to mRNA for human pituitary pro-opiomelanocortin] Golovin SIa, et al. **Bioorg Khim** 1987 Apr;13(4):562-4 (Eng. Abstr.) **(Rus)**

METABOLISM

Proopiomelanocortin-related peptides and methionine enkephalin in human follicular fluid: changes during the menstrual cycle. Petraglia F, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):142-6

Posttranslational modifications of proopiomelanocortin in rat intermediate lobe cells. Bourbonnais Y, et al. **Biochem Cell Biol** 1986 Dec;64(12):1262-71

Synthetic peptides as substrates for processing enzymes in the bovine pituitary. Lee KK, et al. **Biochem Cell Biol** 1986 Dec;64(12):1356-65

Single and repeated electroconvulsive shock differentially affects the prodynorphin and pro-opiomelanocortin system in the rat. Lasoń W, et al. **Brain Res** 1987 Feb 17; 403(2):301-7

Ionic conductances related to GABA action on secretory and biosynthetic activity of pars intermedia cells. Taleb O, et al. **Brain Res Bull** 1986 Nov;17(5):725-30

Down regulation of hypothalamic proopiomelanocortin system during morphine tolerance. Mocchetti I, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:125-7

Effects of ovine corticotropin-releasing hormone and FK 33-824 (met-enkephalin analogue) on the secretions of proopiomelanocortin-derived N-terminal peptide, beta-lipotropin, beta-endorphin and adrenocorticotropin in patients with Addison's disease. Sekiya K, et al. **Endocrinol Jpn** 1986 Dec;33(6):761-8

Proopiomelanocortin-related peptides in feto-placental structures throughout pregnancy. Facchinetti F, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):48-54

An antibody specific for an endoproteolytic cleavage site provides evidence that pro-opiomelanocortin is packaged into secretory granules in AtT20 cells before its cleavage. Tooze J, et al. **J Cell Biol** 1987 Jul;105(1):155-62

Immunocytochemical localization of pro gamma MSH, gamma MSH, ACTH and beta endorphin/beta lipotrophin in the fetal sheep pituitary: an ontogenetic study. Mulvogue HM, et al. **J Dev Physiol** 1986 Oct;8(5):355-68

Chromatographic characteristics of pro-opiomelanocortin-derived peptides from the rat transplantable tumour 7315a. Morano MI, et al. **J Endocrinol** 1987 Mar;112(3):417-25

Elevated plasma levels of pro-opiomelanocortin-derived peptides in sheep following hypothalamo-pituitary disconnection. Clarke IJ, et al. **Neuroendocrinology** 1986; 44(4):508-14

Pituitary proopiomelanocortin peptides in mental disorders. Brambilla F, et al. **Prog Brain Res** 1986;65:193-206

Proopiomelanocortin-derived peptides in testis, ovary, and tissues of reproduction. Bardin CW, et al. **Recent Prog Horm Res** 1987;43:1-28 (52 ref.)

PHARMACODYNAMICS

Lipolytic potency of proopiomelanocorticotropin peptides in vitro. Richter WO, et al. **Neuropeptides** 1987 Jan; 9(1):59-74

The effects of pro-opiomelanocortin peptides on cyclic AMP and tyrosinase in melanoma cells. Farah JM Jr, et al. **Peptides** 1986 May-Jun;7(3):437-41

PHYSIOLOGY

Immunohistochemical localization of enkephalins in adult rat testis: evidence for a gonadotrophin control. Saint-Pol P, et al. **Andrologia** 1986 Sep-Oct;18(5):485-8

Effects of pro-opiomelanocortin-derived peptides on plasma levels of glucagon, insulin and glucose. Knudtzon J. **Horm Metab Res** 1986 Sep;18(9):579-83 (71 ref.)

SECRETION

Pituitary pro-opiomelanocortin-cell carcinoma occurring in conjunction with a glioblastoma in a patient with Cushing's disease and subsequent Nelson's syndrome. Gabrilove JL, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):117-26

Calcium-independent and calcium-dependent mechanisms regulate corticotropin-releasing factor-stimulated proopiomelanocortin peptide secretion and messenger ribonucleic acid production. Dave JR, et al. **Endocrinology** 1987 Jan;120(1):305-10

PROPAFENONE

ADMINISTRATION & DOSAGE

[Injectable and oral propafenone in nodal reentry and pathways of ventricular preexcitation] Fauchier JP, et al. **Arch Mal Coeur** 1986 Sep;79(10):1506-14 (Eng. Abstr.) **(Fre)**

[Low-dose propafenone in chronic ventricular arrhythmia: evaluation by linear regression analysis and correlation with the plasma concentrations of the drug] Vitale P, et al. **Cardiologia** 1986 Apr;31(4):303-10 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Torsade de pointes ventricular tachycardia in a hypothyroid patient treated with propafenone. Rosengarten M, et al. **Can J Cardiol** 1987 Jun-Aug;3(5):234-9

Evaluation of the asthmogenicity of propafenone, a new antiarrhythmic drug. Comparison of spirometry with methacholine challenge. Hill MR, et al. **Chest** 1986 Nov; 90(5):698-702

[Digoxin-propafenone interaction (letter)] Calvo MV, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):171-2 **(Spa)**

ANALOGS & DERIVATIVES

Effects of 5-hydroxy-propafenone in guinea-pig atrial fibres. Delgado C, et al. **Br J Pharmacol** 1987 Mar;90(3):575-82

Myasthenia-like syndrome induced by cardiovascular agents. Report of a case. Fierro B, et al. **Ital J Neurol Sci** 1987 Apr;8(2):167-9

[Electrophysiologic effects of diprafenone in supraventricular and ventricular tachycardia] Manz M, et al. **Z Kardiol** 1986 Dec;75(12):757-63 (Eng. Abstr.) **(Ger)**

BLOOD

Interaction between warfarin and propafenone in healthy volunteer subjects. Kates RE, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):305-11

[Antiarrhythmic effect and blood levels of propafenone] Li ZS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1987 Feb; 15(1):31-3 **(Chi)**

[Digoxin-propafenone interaction: values and limitations of plasma determination of the 2 drugs. Anti-arrhythmia effectiveness of propafenone] Palumbo E, et al. **G Ital Cardiol** 1986 Oct;16(10):855-62 (Eng. Abstr.) **(Ita)**

METABOLISM

Distribution of propafenone and its active metabolite, 5-hydroxypropafenone, in human tissues. Latini R, et al. **Am Heart J** 1987 Mar;113(3):843-4

Food increases the bioavailability of propafenone. Axelson JE, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):735-41

Polymorphism of propafenone metabolism and disposition in man: clinical and pharmacokinetic consequences. Siddoway LA, et al. **Circulation** 1987 Apr;75(4):785-91

Plasma and saliva propafenone concentrations at steady state. Mason WD, et al. **J Pharm Sci** 1987 Jun;76(6):437-40

PHARMACODYNAMICS

Effects of propafenone on sinus nodal and ventricular automaticity: in vitro and in vivo correlation. Katoh T, et al. **Am Heart J** 1987 Apr;113(4):941-52

Drug interaction between propafenone and metoprolol. Wagner F, et al. **Br J Clin Pharmacol** 1987 Aug; 24(2):213-20

Lack of clinically significant beta-blocking effect of propafenone. Cheriex EC, et al. **Eur Heart J** 1987 Jan; 8(1):53-6

Influence of protein binding on the myocardial uptake and pharmacodynamics of propafenone. Gillis AM, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec;8(6):1163-7

Propafenone in the conscious dog with chronic atrioventricular block: mechanisms of chronotropic cardiac effects and plasma concentration-response relationships. Li JH, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct;8(5):885-91

The electrophysiologic effects of propafenone hydrochloride in the neonatal canine. Villafane J, et al. **Pediatr Res** 1987 Jul;22(1):50-4

[Electrophysiological effects of propafenone on fast response action potential of papillary muscle of guinea pig] Xu YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):251-4 (Eng. Abstr.) **(Chi)**

[Effects of propafenone on slow response action potential and the slow inward current of the myocardium] Xu YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):138-40 (Eng. Abstr.) **(Chi)**

[Method for differentiating in humans the direct effects of anti-arrhythmic drugs from those mediated by the autonomic nervous system. Effects of quinidine and propafenone] Paparella N, et al. **G Ital Cardiol** 1986 Sep; 16(9):762-9 (Eng. Abstr.) **(Ita)**

POISONING

Propafenone ingestion. McHugh TP, et al. **Ann Emerg Med** 1987 Apr;16(4):437-40

[Therapy of severe propafenone poisoning--an attempt at elimination by hemoperfusion] Budde T, et al. **Z Kardiol** 1986 Dec;75(12):764-9 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The efficacy of cibenzoline and propafenone against inducible sustained and nonsustained ventricular tachycardias in conscious dogs with isolated chronic right ventricular infarction: a comparative study with procainamide. Karagueuzian HS, et al. **Am Heart J** 1986 Dec; 112(6):1173-83

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine. Klein RC, et al. **Am Heart J** 1987 Sep;114(3):551-8

Newer antiarrhythmic drugs in children. Moak JP, et al. **Am Heart J** 1987 Jan;113(1):179-85

Usefulness of intravenous propafenone for control of postoperative junctional ectopic tachycardia. Garson A Jr, et al. **Am J Cardiol** 1987 Jun 1;59(15):1422-4

Intravenous propafenone for termination of reentrant supraventricular tachycardia. A placebo-controlled, randomized, double-blind, crossover study. Shen EN, et al. **Ann Intern Med** 1986 Nov;105(5):655-61

Comparison of propafenone and disopyramide in the treatment of ventricular premature complexes: a randomized double blind crossover placebo controlled trial. Rabkin SW, et al. **Can J Cardiol** 1987 Apr;3(3):105-10

Propafenone versus disopyramide: a double-blind randomized crossover trial in patients presenting chronic ventricular arrhythmias. Libersa C, et al. **Clin Cardiol** 1987 Jul;10(7):405-10

Propafenone, a review of its profile. Schlepper M. **Eur Heart J** 1987 Mar;8 Suppl A:27-32 (27 ref.)

Antiarrhythmic efficacy of propafenone: evaluation of effective plasma levels following single and multiple doses. Frabetti L, et al. **Eur J Clin Pharmacol** 1986;30(6):665-71

Short- and long-term effects of propafenone in ventricular arrhythmias. Gaita F, et al. **Int J Cardiol** 1986 Nov; 13(2):163-70

Double-blind study of intravenous propafenone for paroxysmal supraventricular reentrant tachycardia.

Hammill SC, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1364–8

Efficacy of propafenone in Wolff–Parkinson–White syndrome: electrophysiologic findings and long-term follow-up. Ludmer PL, et al. **J Am Coll Cardiol** 1987 Jun; 9(6):1357–63

[Propafenone in ventricular extrasystole in elderly patients. Tolerance and efficacy] Camous JP, et al. **Ann Cardiol Angeiol (Paris)** 1987 Apr;36(4):179–82 (Eng. Abstr.) **(Fre)**

[Efficacy and tolerance of propafenone in the treatment of cardiac rhythm disorders. Evaluation of a multicenter open trial on 3,687 patients] Clémenty J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Apr;36(4):207–12 (Eng. Abstr.) **(Fre)**

[Comparative study of the efficacy of propafenone and amiodarone in the treatment of chronic ventricular extrasystole] Fauchier JP, et al. **Arch Mal Coeur** 1986 Sep; 79(10):1495–505 (Eng. Abstr.) **(Fre)**

[Propafenone in the treatment of high-risk ventricular arrhythmias] Pepi R, et al. **Clin Ter** 1986 Aug 31; 118(4):247–52 (Eng. Abstr.) **(Ita)**

[Efficacy of propafenone in the treatment of ventricular hyperkinetic arrhythmias in subjects with a history of myocardial infarction] Zoni Berisso M, et al. **G Ital Cardiol** 1987 Mar;17(3):233–8 (Eng. Abstr.) **(Ita)**

[Arrhythmias in the rehabilitation period after myocardial revascularization surgery by aortocoronary bypass. Efficacy of anti-arrhythmia therapy with propafenone] Bianchi G, et al. **Minerva Cardioangiol** 1986 Jun; 34(6):437–42 (Eng. Abstr.) **(Ita)**

[Evaluation of the efficacy of propafenone in rhythm disorders in childhood using Holter monitoring] Ranieri L, et al. **Minerva Cardioangiol** 1987 Mar;35(3):87–90 (Eng. Abstr.) **(Ita)**

[Clinical pharmacology of propafenone] Walczak F, et al. **Pol Tyg Lek** 1986 Dec 22–29;41(51–52):1628–32 **(Pol)**

[Propafenone as an anti-arrhythmia agent] Tomaszewski A, et al. **Wiad Lek** 1986 Nov 1;39(21):1479–83 **(Pol)**

[Polycardiographic evaluation of the dynamics of left ventricular contraction in patients treated with disopyramide and propafenone] Tomaszewski A, et al. **Wiad Lek** 1986 Dec 1;39(23):1585–91 (Eng. Abstr.) **(Pol)**

PROPAGANDA

You can say no. Teenagers—don't be pressured into sex. Marsh S. **J Med Assoc Ga** 1987 Mar;76(3):173–5

[Anti-alcoholism propaganda—an important part of Soviet preventive medicine] Osechinskii IV. **Gematol Transfuziol** 1986 Aug;31(8):3–7 **(Rus)**

[Propaganda for a healthy sober life style—everyone's duty] Iumashev GS, et al. **Ortop Travmatol Protez** 1986 Jul; (7):41–4 **(Rus)**

[Improving the level of anti-alcoholism propaganda] Piralova MD. **Sov Zdravookhr** 1986;(12):17–21 **(Rus)**

[Basic trends in anti-alcohol propaganda] Popov VF. **Sov Zdravookhr** 1986;(10):22–5 **(Rus)**

[Alcoholism, its sequelae and anti-alcoholism propaganda] Zharikov NM. **Vestn Otorinolaringol** 1987 Jan–Feb;(1):61–4 **(Rus)**

PROPANE

[Method of producing cooled liquid propane in a histochemistry laboratory] Aleshchenko IE. **Arkh Patol** 1986;48(11):79–80 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Effects of dibromochloropropane and ethylene dibromide on biochemical events and ultramorphology of ejaculated ram spermatozoa in vitro. Bartoov B, et al. **Am J Ind Med** 1987; 11(6):647–58

Pulminant hepatic failure after occupational exposure to 2-nitropropane. Harrison R, et al. **Ann Intern Med** 1987 Oct;107(4):466–8

Free-radical chain oxidation of 2-nitropropane initiated and propagated by superoxide. Kuo CF, et al. **Biochem J** 1986 Jul 15;237(2):505–10

Peroxidase-promoted aerobic oxidation of 2-nitropropane: mechanism of excited state formation. Indig GL, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):347–54

Single-generation drinking water reproduction study of 1,2-dibromo-3-chloropropane in Sprague-Dawley rats. Johnston RV, et al. **Bull Environ Contam Toxicol** 1986 Oct; 37(4):531–7

Genotoxicity of three-carbon compounds evaluated in the SCE test in vitro. von der Hude W, et al. **Environ Mutagen** 1987;9(4):401–10

Dibromochloropropane (DBCP): an 8-year reevaluation of testicular function and reproductive performance. Potashnik G, et al. **Fertil Steril** 1987 Feb;47(2):317–23

Assessment of procedures for screening agents for effects on male reproduction: effects of dibromochloropropane (DBCP) on the rat. Amann RP, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):244–55

1,2-Dichloropropane. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 41:131–47

Seven-year follow-up of workers exposed to 1,2-dibromo-3-chloropropane. Eaton M, et al. **J Occup Med** 1986 Nov;28(11):1145–50

Nine-year follow-up of workers exposed to 1,2-dibromo-3-chloropropane [letter] Lanham JM. **J Occup Med** 1987 Jun;29(6):488, 490

Mutagen activation of 1,2-dibromo-3-chloropropane by cytosolic glutathione S-transferases and microsomal enzymes. Miller GE, et al. **J Toxicol Environ Health** 1986; 19(4):503–18

Analysis of cytogenetic effect in human lymphocytes induced by metabolically activated 2-nitropropane. Bauchinger M, et al. **Mutat Res** 1987 Mar;190(3):217–9

Enhanced mutagenicity of 2-nitropropane nitronate with respect to 2-nitropropane—possible involvement of free radical species. Fiala ES, et al. **Mutat Res** 1987 Jul; 179(1):15–22

Reproductive tract defects induced in adult male rats by postnatal 1,2-dibromo-3-chloropropane exposure. Lui EM, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):299–314

Age-related susceptibility to dibromochloropropane. Saegusa J. **Toxicol Lett** 1987 Mar;36(1):45–50

Gonadotoxicity and kinetics of dibromochloropropane in male rats. Shemi D, et al. **Toxicol Lett** 1987 May; 36(3):209–12

Evidence that epichlorohydrin is not a toxic metabolite of 1,2-dibromo-3-chloropropane. Gingell R, et al. **Xenobiotica** 1987 Feb;17(2):229–40

[Toxicity of 1,2 dichloropropane. A case with portal hypertension] Thorel JM, et al. **J Toxicol Clin Exp** 1986 Jul–Aug;6(4):247–52 (Eng. Abstr.) **(Fre)**

[Determination of micro-amounts of di-trapex in environmental objects] Girenko DB, et al. **Gig Sanit** 1987 Mar;(3):48–9 **(Rus)**

TOXICITY

Genotoxicity of three-carbon compounds evaluated in the SCE test in vitro. von der Hude W, et al. **Environ Mutagen** 1987;9(4):401–10

PROPANEDIOL DEHYDRATASE see under **HYDRO-LYASES**

PROPANEDIOLS

Small diameter blood vessel prostheses from blends of polyethylene oxide and polypropylene oxide. Bots JG, et al. **Biomaterials** 1986 Sep;7(5):393–9

Fibrinogen adsorption and platelet adhesion at the surface of modified polypropylene glycol/polysiloxane networks. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):379–85

Crosslinked polyether/polysiloxane networks for blood-interfacing applications. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):372–8

Suppression of platelet activity on microdomain surfaces of 2-hydroxyethyl methacrylate-polyether block copolymers. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):1035–47

Effect of microstructure of poly(propylene-oxide)-segmented polyamides on platelet adhesion. Yui N, et al. **J Biomed Mater Res** 1986 Sep; 20(7):929–43

Oligodeoxyribonucleotides containing 1,3-propanediol as nucleoside substitute. Seela F, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3113–29

[Precision suture using a thread made of polyolefin compounds (prolene, polypropylene) in surgery of the bile ducts] Lapkin KV, et al. **Khirurgiia (Mosk)** 1987 Jan; (1):46–52 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Propylene glycol and renal damage [letter] Watson AD. **Am J Vet Res** 1987 Mar;48(3):536

Cardiac morbidity and mortality associated with occupational exposure to 1,2 propylene glycol dinitrate. Forman SA, et al. **J Occup Med** 1987 May;29(5):445–50

Propylene glycol: increased incidence of seizures in low birth weight infants. MacDonald MG, et al. **Pediatrics** 1987 Apr; 79(4):622–5

[Contact allergy to the preservative bronopol] Frosch PJ, et al. **Hautarzt** 1987 May;38(5):267–70 (Eng. Abstr.) **(Ger)**

BLOOD

Metabolic pathways leading to diol formation. Veech RL, et al. **Prog Clin Biol Res** 1987;241:185–99

METABOLISM

Comparison of labeled propanediol and urea as markers of lung vascular injury. Harris TR, et al. **J Appl Physiol** 1987 May;62(5):1852–9

Nonlinear kinetics of inhaled propylene glycol monomethyl ether in Fischer 344 rats following single and repeated exposures. Morgott DA, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):19–28

[Distribution and metabolism of 2-bromo-2-nitropropane-1,3-diol (bronopol)] Kujawa M, et al. **Z Gesamte Hyg** 1987 Jan;33(1):27–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Hemodynamic effects of petrinitrol in man. Stein PD, et al. **Angiology** 1975 Dec;26(11):809–19

The effect of propylene glycol on antipyrine clearance in humans. Nelson EB, et al. **Clin Pharmacol Ther** 1987 May; 41(5):571–3

The effect of chronic felbamate administration on anticonvulsant activity and hepatic drug-metabolizing enzymes in mice and rats. Swinyard EA, et al. **Epilepsia** 1987 May–Jun;28(3):295–300

Biocidal control of legionellae. Elsmore R. **Isr J Med Sci** 1986 Sep;22(9):647–54

Detrimental effect of propylene glycol on natural killer cell and neutrophil function. Denning DW, et al. **J Pharm Pharmacol** 1987 Mar;39(3):236–8

Effect of organic vehicles on the pharmacokinetics of aminophylline administered intravenously to goats. Davis LE, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):144–9

Comparative mutagenicity of 3-azido-1,2-propanediol and sodium azide in various pro- and eu-karyote systems. Juříček M, et al. **Mutat Res** 1987 Aug;179(2):175–82

[Effect of etomidate-propylene glycol on blood viscosity] González de Zárate Apiñaniz J, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):106–7 (Eng. Abstr.) **(Spa)**

POISONING

Propylene glycol intoxication [letter] Bossaert LL, et al. **Arch Intern Med** 1987 Mar;147(3):611, 614

Propylene glycol intoxication and nitroglycerin therapy [letter] Demey HE, et al. **Crit Care Med** 1987 May;15(5):540

TOXICITY

Toxicity of ethylene glycol, diethylene glycol, and propylene glycol to human cells in culture. Mochida K, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):151–3

Prenatal toxicity of 2-methoxypropylacetate-1 in rats and rabbits. Merkle J, et al. **Fundam Appl Toxicol** 1987 Jan; 8(1):71–9

Motor performance effects of propylene glycol dinitrate in the rat. Bogo V, et al. **J Toxicol Environ Health** 1987; 22(1):17–27

High mutagenic activity of 3-azido-1,2-propanediol (azidoglycerol, AG) in strain D7 of Saccharomyces cerevisiae. Juříček M, et al. **Mutat Res** 1987 May; 178(1):43–7

[Study of local irritability and total toxicity of acrylate gels in guinea pigs and rabbits] Sováková V, et al. **Cesk Farm** 1987 Apr;36(3):103–7 (Eng. Abstr.) **(Cze)**

PROPANIDID

[Propofol versus propanidid for the conduction of suspension laryngoscopy] Bertrand D, et al. **Ann Fr Anesth Reanim** 1987;6(4):289–92 (Eng. Abstr.) **(Fre)**

[Comparison of propanidid with propofol for dental surgery of short or medium duration] Marcillon M, et al. **Ann Fr Anesth Reanim** 1987;6(4):285–8 (Eng. Abstr.) **(Fre)**

[Combined intravenous anesthesia with sombrevin in multiple tooth extraction] Shilenkov VA, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):47–8 (Eng. Abstr.) **(Rus)**

[Sombrevin anesthesia in clinical practice] Ignatavichus VM. **Voen Med Zh** 1987 Feb;(2):55–7 **(Rus)**

PHARMACODYNAMICS

Isolation of mast cells from rabbit lung and liver: comparison of histamine release induced by the hypnotics Althesin and propanidid. Ennis M, et al. **Agents Actions** 1987 Apr; 20(3–4):219–22

PROPANIL see under **ANILIDES**

PROPANOL see **ALCOHOL, PROPYL**

PROPANOLAMINES

ADMINISTRATION & DOSAGE

Once- and twice-daily bevantolol for systemic hypertension using 24-hour ambulatory intraarterial blood pressure recording. Al-Khawaja IM, et al. **Am J Cardiol** 1986 Nov 26;58(12):17E–20E

Choosing the right dose for beta-blocker treatment of hypertension: experience with tertatolol. Prost JF, et al. **Am J Nephrol** 1986;6 Suppl 2:74–82

Pharmacokinetics and pharmacodynamics of esmolol administered as an intravenous bolus. Sintetos AL, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):112–7

Efficacy of a fixed-dose combination of 40 mg penbutolol with 6 mg piretanide in the treatment of mild to moderate hypertension: a double-blind study against placebo. Yasky J, et al. **Curr Med Res Opin** 1987;10(6):397–406

Transdermal delivery of bupranolol: pharmacodynamics and beta-adrenoceptor occupancy. Wellstein A, et al. **Eur J Clin Pharmacol** 1986;31(4):419–22

Noninvasive assessment of left ventricular performance after administration of bisoprolol. Esper RJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S87–91

Esmolol—a short-acting i.v. beta-blocker. **Med Lett Drugs Ther** 1987 Jun 19;29(742):57–8

Long-term use of tobanum in arrhythmias. Hankóczy J, et al. **Ther Hung** 1984;32(1):16–8

[Selecting the optimal dose of a new antihypertensive agent. Its application to tertatolol] Amabile G, et al. **Ann Med Interne (Paris)** 1987;138 Suppl 1:27–30 **(Fre)**

[Comparative study of the effectiveness and acceptability of tertatolol 5 mg and acebutolol 400mg in the treatment of mild arterial hypertension] Gallet M, et al. **Ann Med Interne (Paris)** 1987;138 Suppl 1:31–4 **(Fre)**

ADVERSE EFFECTS

Early postmarketing surveillance of betaxolol hydrochloride, September 1985–September 1986. Nelson WL, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):592

Congestive heart failure from betaxolol. Case report. Ball S. **Arch Ophthalmol** 1987 Mar;105(3):320

Betaxolol and restrictive airway disease. Case report. Roholt PC. **Arch Ophthalmol** 1987 Sep;105(9):1172

Acute changes in renal function induced by bisoprolol, a new cardioselective beta-blocking agent. Glück Z, et al. **Eur J Clin Pharmacol** 1986;31(1):107–11

Respiratory tolerance of bisoprolol and metoprolol in asthmatic patients. Lammers JW, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S69–73

[Effect of various beta blockers on intraocular pressure and ventilation] Bleckmann H, et al. **Fortschr Ophthalmol** 1986; 83(5):567–9 (Eng. Abstr.) **(Ger)**

[Effect of celiprolol and metoprolol on serum lipids in patients with various forms of hyperlipoproteinemia] Pristautz H, et al. **Wien Med Wochenschr** 1986 Sep 15; 136(17):443–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of the new beta-blocker bisoprolol and of metoprolol, atenolol and propranolol in plasma and urine by high-performance liquid chromatography. Bühring KU, et al. **J Chromatogr** 1986 Oct 31;382:215–24

Determination of metipranolol and desacetylmetipranolol in aqueous humor of rabbit eye by gas chromatography with electron-capture detection. Garraffo R, et al. **J Chromatogr** 1986 Nov 28;383(1):201–5

Determination of nicainoprol, a new antiarrhythmic agent, in human plasma and urine by high-performance liquid chromatography. Horai Y, et al. **J Chromatogr** 1986 Nov 28;383(1):103–10

Capillary gas chromatographic-mass spectrometric study of the effect of solvents on metoprolol and other aryloxypropanolamines. Mok V, et al. **J Chromatogr** 1987 May 1;393(3):335–42

High-performance liquid chromatographic method for the determination of carvedilol and its desmethyl metabolite in body fluids. Reiff K. **J Chromatogr** 1987 Jan 23; 413:355–62

Determination of carazolol in tissues of pigs by high-performance liquid chromatography. Rudolph M, et al. **J Chromatogr** 1987 Apr 17;392:371–8

[Absolute configuration and enantiomeric purity of celiprolol] Hofer O, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1157–61 (Eng. Abstr.) **(Ger)**

BLOOD

Renal hemodynamics and pharmacokinetics of bevantolol in patients with impaired renal function. Solimon M, et al. **Am J Cardiol** 1986 Nov 26;58(12):21E–24E

Cardiovascular beta-adrenergic blocking effects of bornaprolol in humans: relation to dose and plasma concentration. Cheymol G, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):694–8

Column liquid chromatographic measurement of betaxolol in plasma or serum. Bhamra RK, et al. **J Chromatogr** 1987 Jun 5;417(1):229–32

Determination of xamoterol in human plasma by high-performance liquid chromatography with electrochemical detection. Davis PC. **J Chromatogr** 1987 Jun 5;417(1):233–5

Determination of falintolol, a new aliphatic beta-adrenergic antagonist, in whole blood by gas chromatography with electron-capture detection: geometric isomers resolution. Himber J, et al. **J Chromatogr Sci** 1987 Jan;25(1):33–7

Pharmacokinetics and dynamics of penbutolol in humans: evidence for pathway-specific stereoselective clearance. Ochs HR, et al. **Klin Wochenschr** 1986 Jul 15;64(14):636–41

[Plasma levels and the antihypertensive effect of the preparation celiprolol] Vlakhov N, et al. **Vutr Boles** 1986; 25(6):62–6 (Eng. Abstr.) **(Bul)**

[Densitometric determination of desacetylmetipranolol in blood plasma] Peterková M, et al. **Cesk Farm** 1986 Dec; 35(10):456–7 (Eng. Abstr.) **(Cze)**

CHEMICAL SYNTHESIS

Large-scale synthesis of flumolol, a short-acting beta-blocker. Gustafsson BB, et al. **Acta Pharm Suec** 1986; 23(4):241–4

Quantitative structure-activity relationships. Fujita-Ban analysis of beta-adrenergic blocking activity of 1-phenoxy-3-([(substituted amido)alkyl]amino)-2-propanols. Gombar V. **Arzneimittelforschung** 1986 Jul;36(7):1014–8

Ester-imine condensations: preparation of racemic intermediates for the synthesis of the carbapenem antibiotics PS-5 and PS-6. Ha DC, et al. **J Antibiot (Tokyo)** 1987 Mar;40(3):309–19

Synthesis of a series of compounds related to betaxolol, a new beta 1-adrenoceptor antagonist with a pharmacological and pharmacokinetic profile optimized for the treatment of chronic cardiovascular diseases. Manoury PM, et al. **J Med Chem** 1987 Jun;30(6):1003–11

ISOLATION & PURIFICATION

[Comparative evaluation of the methods for isolating cordanum from biological matter] Vol'gram EN. **Sud Med Ekspert** 1987 Apr–Jun;30(2):34–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Biodisposition of tertatolol in man: a review. Campbell DB, et al. **Am J Nephrol** 1986;6 Suppl 2:61–8 (8 ref.)

Pharmacokinetics of esmolol in anesthetized patients receiving chronic beta blocker therapy. de Bruijn NP, et al. **Anesthesiology** 1987 Mar;66(3):323–6

Pharmacokinetics of bisoprolol during repeated oral administration to healthy volunteers and patients with kidney or liver disease. Kirch W, et al. **Clin Pharmacokinet** 1987 Aug;13(2):110–7

Pharmacokinetics of betaxolol in middle aged patients. Bianchetti G, et al. **Eur J Clin Pharmacol** 1986;31(2):231–3

Pharmacokinetics of single and multiple doses of flusoxolol (Ro 31–1411) in healthy subjects. Gillies HC, et al. **Eur J Clin Pharmacol** 1986;31(1):113–5

Interaction of bisoprolol with cimetidine and rifampicin. Kirch W, et al. **Eur J Clin Pharmacol** 1986;31(1):59–62

Comparative single dose and steady-state pharmacokinetics of bevantolol in young and elderly subjects. Selen A, et al. **Eur J Clin Pharmacol** 1986;30(6):699–704

Pharmacokinetics and metabolism of bisoprolol-14C in three animal species and in humans. Bühring KU, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S21–8

Balanced pharmacokinetics and metabolism of bisoprolol. Leopold G. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S16–20

Concentration kinetics of propranolol, bisoprolol, and atenolol in humans assessed with chemical detection and a subtype-selective beta-adrenoceptor assay. Wellstein A, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S41–5

Basic pharmacokinetics of bisoprolol, a new highly beta 1-selective adrenoceptor antagonist. Leopold G, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):616–21

Active transport of beta-adrenergic blocking agents in the anterior uvea of albino rabbit. Matsumoto S, et al. **Jpn J Ophthalmol** 1986;30(4):339–50

A beta-adrenergic partial agonist (befunolol) discriminates two different affinity sites. Koike K, et al. **Jpn J Pharmacol** 1986 Oct;42(2):325–8

Beta-adrenergic ([3H] CGP-12177) receptors are elevated in slices of soleus muscle from CHE 147 dystrophic hamsters. Watson-Wright WM, et al. **Life Sci** 1987 Mar 23;40(12):1171–7

Pharmacokinetics of xamoterol glucuronidation in the rat in vivo and in liver perfusion. Mulder GJ, et al. **Xenobiotica** 1987 Jan;17(1):85–92

[Stereoselective glucuronidation of beta-blocking agents, 1-tert-butylamino-3-(2,3-dimethylphenoxy)-2-propanol (D-32) and propranolol, in animals, in vivo and in vitro] Honma S, et al. **Yakugaku Zasshi** 1986 May;106(5):406–13 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Pharmacology of bevantolol hydrochloride. Kaplan HR. **Am J Cardiol** 1986 Nov 26;58(12):3E–7E

Systemic and regional hemodynamic, antiarrhythmic and antiischemic effects of bevantolol in anesthetized pigs. Verdouw PD, et al. **Am J Cardiol** 1986 Nov 26; 58(12):8E–16E

A comparison of betaxolol and nadolol on renal function in essential hypertension. Bauer JH, et al. **Am J Kidney Dis** 1987 Aug;10(2):109–12

Recent advances in beta blockade. Therapeutic implications in hypertension. Proceedings of the First International Symposium on Tertatolol, 15th June, 1985, Milano, Italy. **Am J Nephrol** 1986;6 Suppl 2:1–116

Effects of tertatolol in hypertensive patients with chronic renal failure. Beaufils M, et al. **Am J Nephrol** 1986;6 Suppl 2:50–4

Beta-adrenergic receptor changes during tertatolol treatment in healthy volunteers: relevance for beta-blocking therapy. De Blasi A, et al. **Am J Nephrol** 1986;6 Suppl 2:69–73

Renal hemodynamic effects of tertatolol compared with those of propranolol in the conscious dog. Laubie M, et al. **Am J Nephrol** 1986;6 Suppl 2:20–4

Tertatolol preserves renal perfusion in patients with arterial hypertension after head injury. Leeman M, et al. **Am J Nephrol** 1986;6 Suppl 2:36–9

Tertatolol does not affect biochemical markers of atherosclerosis in normo- and hyperlipidemic hypertensive patients. Richard JL, et al. **Am J Nephrol** 1986;6 Suppl 2:100–5

Antihypertensive and renal effects of tertatolol, a new beta-blocking agent, in hypertensive patients. Salvetti A, et al. **Am J Nephrol** 1986;6 Suppl 2:45–9

Role of baroreflex activation in the regional hemodynamic effects of the beta-blockers tertatolol and propranolol in conscious spontaneously hypertensive rats. Struyker-Boudier HA, et al. **Am J Nephrol** 1986;6 Suppl 2:25–9

Study of prejunctional beta-adrenoceptors in kidneys of normotensive and hypertensive rats using the new beta-adrenoceptor blocking drug tertatolol. Verbeuren TJ, et al. **Am J Nephrol** 1986;6 Suppl 2:30–5

Hemodynamic effects of esmolol in chronically beta-blocked patients undergoing aortocoronary bypass surgery [published erratum appears in Anesth Analg 1987 May;66(5):484] de Bruijn NP, et al. **Anesth Analg** 1987 Feb; 66(2):137–41

Evaluation of esmolol in controlling increases in heart rate and blood pressure during endotracheal intubation in patients undergoing carotid endarterectomy. Cucchiara RF, et al. **Anesthesiology** 1986 Nov;65(5):528–31

Different effects of beta-1-adrenergic blocking agents with ISA or without ISA on peripheral blood flow. Karnik R, et al. **Angiology** 1987 Apr;38(4):296–303

Pharmacologic interventions to antagonize stress-induced immune consequences. Rašková H, et al. **Ann NY Acad Sci** 1987;496:436–46

In vitro vasorelaxing activity of suloctidil. Calderon P, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):101–13

Further evidence for tonically functioning presynaptic beta-adrenoceptors in guinea-pig pulmonary arteries. Kuwahara M, et al. **Arch Int Pharmacodyn Ther** 1986 Dec; 284(2):225–30

Celiprolol, a compound possessing weak alpha 2-adrenergic antagonist properties in the dog. Mann WS, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):53–71

Regional hemodynamic effects of the beta-adrenoceptor blockers tertatolol and propranolol in conscious spontaneously hypertensive rats. Nievelstein HM, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):118–29

Does the beta 1-adrenoceptor blocking agent celiprolol have alpha 2-adrenoceptor blocking properties? Pittner H. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):199–210

Mechanistic studies on the "bronchosparing" activity of celiprolol, a cardioselective beta-adrenoceptor antagonist. Van Inwegen RG, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):127–44

Stimulation of prostacyclin production in blood vessels by the antithrombotic drug suloctidil. Boeynaems JM, et al. **Biochem Pharmacol** 1987 May 15;36(10):1629–35

Immediate haemodynamic effects of a novel partial agonist, beta 1-adrenoceptor blocking drug ICI 141,292 after intravenous administration to healthy young volunteers and patients with ischaemic heart disease. Bonde J, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):35–40

Adimolol, a long acting beta-adrenoceptor blocker in man. Elliott HL, et al. **Br J Clin Pharmacol** 1987 May; 23(5):511–21

A comparative study on the ventilatory and haemodynamic effects of xamoterol and atenolol in asthmatic patients. Lammers JW, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):595–602

Pharmacodynamic profile of bisoprolol, a new beta 1-selective adrenoceptor antagonist. Leopold G, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):293–300

Comparison of the effects of penbutolol and propranolol on glomerular filtration rate in hypertensive patients with impaired renal function. van der Meulen J, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):469–74

Effects of nipradilol on myocardial ischaemia produced by coronary stenosis in dogs. Noguchi K, et al. **Br J Pharmacol** 1987 Jun;91(2):411–9

Interactions of some partial agonists with high and low affinity binding sites in beta-adrenoceptors. Takayanagi I, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):18–22

Effects of arotinolol, an alpha- and beta-adrenoceptor antagonist, on renin release from rat kidney cortical slices. Morimoto S, et al. **Clin Exp Pharmacol Physiol** 1986 Jun; 13(6):505–10

Effects of bolus injection of esmolol in healthy, exercising subjects. Ellenbogen KA, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):455–9

Effects of indenolol on blood pressure, lower limb blood flow, adrenergic reflexes, and plasma renin activity. Poggesi L, et al. **Clin Pharmacol Ther** 1987 Mar; 41(3):344–50

Enhanced antifertility activity of non-steroidal molecules with 3-n-butylamino-2-hydroxypropyloxy side chain. Ray S, et al. **Contraception** 1987 Mar;35(3):283–7

Esmolol. A preliminary review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy. Benfield P, et al. **Drugs** 1987 Apr;33(4):392–412 (52 ref.)

Effects on physical performance of intrinsic sympathomimetic activity (ISA) during selective beta 1-blockade. Kullmer T, et al. **Eur J Appl Physiol** 1987; 56(3):292–8

Effects of bisoprolol on blood pressure, serum lipids and HDL-cholesterol in essential hypertension. Frithz G, et al. **Eur J Clin Pharmacol** 1987;32(1):77–80

Assessment of the relative safety of the beta-blockers ICI 141,292 and atenolol in patients with bronchial asthma [published erratum appears in Eur J Clin Pharmacol 1987; 31(6):744] Groth S, et al. **Eur J Clin Pharmacol** 1986; 30(6):653–8

Antiarrhythmic activity of flestolol, a novel ultra-short-acting beta-adrenoceptor antagonist, in the dog. Reynolds RD, et al. **Eur J Pharmacol** 1986 Nov 12; 131(1):55–66

Actions of 4-(2-hydroxy-3-[(1-methyl-3-phenylpropyl)=

amino]propoxy) benzeneacetamide (KF4317) and labetalol on alpha- and beta-adrenoceptors. Takayanagi I, et al. **Gen Pharmacol** 1986;17(6):651–3

(+/-)-1-[[2-(3,4-Dimethoxphenyl)ethyl]amino]-3-(3-methylphenoxy)-2- propanol hydrochloride (bevantolol, NC-1400) as a beta 1-selective adrenoceptor blocker with alpha 1-adrenoceptor blocking activity. Takayanagi I, et al. **Gen Pharmacol** 1987;18(1):87–9

Effects of KC 3791 on sodium and potassium channels in frog node of Ranvier. Zaborovskaya LD, et al. **Gen Physiol Biophys** 1986 Dec;5(6):605–15

Inhibition of platelet thromboxane generation by suloctidil in man. Bucchi F, et al. **Haemostasis** 1986;16(5):362–8

The excretion of renal enzymes during rest and exercise: a double-blind comparison between placebo and penbutolol. Verho M, et al. **Int J Clin Pharmacol Res** 1987;7(1):27–32

Cardiac and vascular beta-adrenoceptor-mediated responses before and during treatment with bisoprolol or atenolol. Bolli P, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S61–4

Bisoprolol (EMD 33512), a highly selective beta 1-adrenoceptor antagonist: in vitro and in vivo studies. Brodde OE. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S29–35

Double-blind comparison of the beta 1-selectivity of single doses of bisoprolol and atenolol. Chang PC, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S58–60

The cardioselective and hypotensive effects of bisoprolol in hypertensive asthmatics. Chatterjee SS. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S74–7

High beta 1-selectivity and favourable pharmacokinetics as the outstanding properties of bisoprolol. Haeusler G, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S2–15

Effects of K-351 on adrenergically induced renin release and renal vasoconstriction in anesthetized dogs. Hisa H, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):1–5

Comparison of bisoprolol with other beta-adrenoceptor blocking drugs. Krämer B, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S46–57

Lack of concordance between the antiarrhythmic and antifibrillatory actions of UM-424, a quaternary ammonium analogue of propranolol. Lynch JJ, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):414–24

Pharmacokinetics and concentration—effect relationships of bevantolol (CI-775) in normal volunteers. McNeil JJ, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec;8(6):1201–7

Controlled beta-receptor blockade with flestolol: a novel ultrashort-acting beta-blocker. Murthy VS, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):72–8

Pharmacokinetics of bisoprolol and influence on serum thyroid hormones in hyperthyroid patients. Pfannenstiel P, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S100–5

Pharmacological profile of carvedilol as a beta-blocking agent with vasodilating and hypotensive properties. Sponer G, et al. **J Cardiovasc Pharmacol** 1987 Mar;9(3):317–27

Alpha-adrenoceptor blockade by tibalosine: hemodynamic and humoral effects at rest and during exercise, and effect of opioid receptor antagonism. Staessen J, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct;8(5):1028–34

Acute hemodynamic effects of bisoprolol, a new beta 1 selective adrenoreceptor blocking agent, in patients with coronary artery disease. Steinmann E, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct;8(5):1044–50

Influence of beta 1- versus beta 2-adrenoceptor blockade on left ventricular function in humans. Vanhees L, et al. **J Cardiovasc Pharmacol** 1986 Sep-Oct;8(5):1086–91

Acute central and renal haemodynamic responses to tertatolol and propranolol in patients with arterial hypertension following head injury. Leeman M, et al. **J Hypertens** 1986 Oct;4(5):581–7

Differential haemodynamic effects induced by beta 1-(bisoprolol) or beta 2-(ICI 118,551) adrenoceptor blockade in man. Daul A, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S99–102

Role of the (acyloxy)methyl moiety in eliciting the adrenergic beta-blocking activity of 3-(acyloxy)propanolamines. Macchia B, et al. **J Med Chem** 1987 Apr;30(4):616–22

Mechanism of sodium channel block in crayfish giant axons by 711389-S, a new antiarrhythmic drug. Muramatsu I, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):269–76

Effects of pindolol, befunolol and melanin treated with adrenergic beta-blocking agents on lysosomal enzymes in bovine ciliary body and iris in vitro. Hayasaka S, et al. **Jpn J Ophthalmol** 1986;30(2):185–91

Cardiohemodynamic effects of nipradilol (K-351) in the dog: comparison with propranolol, nadolol and prazosin. Kawada M, et al. **Jpn J Pharmacol** 1986 Sep;42(1):9–18

Effects of betaxolol, a new beta 1 selective blocker, on canine ventricular arrhythmias. Mitsuhashi H, et al. **Jpn J Pharmacol** 1987 Feb;43(2):179–85

Interactions of MEN 935 (adimolol), a long acting beta- and alpha-adrenolytic antihypertensive agent, with postsynaptic alpha-adrenoceptors in different isolated blood vessels—influence of angiotensin II. Palluk R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul;333(3):277–83

Blocking effects of nipradilol on vasoconstrictor responses to periarterial nerve stimulation and alpha-adrenoceptor agonists in isolated and perfused canine mesenteric arteries. Chiba S, et al. **Pharmacology** 1987;35(2):112–20

Evaluation of alpha-adrenergic cardiac stimulation in anesthetized dogs: can this play a role in propranolol insensitive cardiostimulatory effects of celiprolol. Jolly SR, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec;54(3):339–54

Some central effects of indenolol in experimental animals. Tariq M, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov;54(2):201–9

[Electrophysiological effects of vanilol on isolated papillary muscles of guinea pigs and atrioventricular conduction in rabbits] Xiao JG, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):40–4 (Eng. Abstr.) **(Chi)**

[Study of electrophysiological effects of betaxolol] Ponsonnaille J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Mar;36(3):149–53 (Eng. Abstr.) **(Fre)**

[Evaluation of beta-adrenolytic activity. Structure-activity relationship] Labrid C. **Ann Med Interne (Paris)** 1987;138 Suppl 1:5–10 **(Fre)**

[Influence of antihypertensive treatment on the metabolism of lipoproteins] Lesobre B. **Ann Med Interne (Paris)** 1987; 138 Suppl 1:23–6 **(Fre)**

[Effects of tertatolol on atherogenicity indices in normo- or dis-lipemic hypertensive patients] Richard JL, et al. **Ann Med Interne (Paris)** 1987;138 Suppl 1:35–8 **(Fre)**

[Hemodynamic effects of intravenously administered celiprolol in patient with coronary heart disease and depressed left ventricular function] Leisch F, et al. **Arzneimittelforschung** 1987 Apr;37(4):444–6 (Eng. Abstr.) **(Ger)**

[Effect of bupranolol on hypoxic respiratory stimulation in healthy probands] Chowanetz W, et al. **Klin Wochenschr** 1987 Jul 1;65(13):607–13 (Eng. Abstr.) **(Ger)**

[Effects of nipradilol, a new beta-blocker, and its metabolite, denitro-nipradilol, on heart rate and AV conduction in anesthetized dogs] Nakao Y, et al. **Nippon Yakurigaku Zasshi** 1986 Aug;88(2):85–94 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Selective adrenergic beta-2-receptor blocking drug, ICI-118.551, is effective in essential tremor. Teräväinen H, et al. **Acta Neurol Scand** 1986 Jul;74(1):34–7

A symposium: Bevantolol—a new cardiovascular agent with a unique profile. April 21, 1985, Geneva, Switzerland. **Am J Cardiol** 1986 Nov 26;58(12):1E–44E

Usefulness of bevantolol for chronic, stable angina pectoris. Bowles MJ, et al. **Am J Cardiol** 1986 Nov 26; 58(12):28E–34E

Comparison of bevantolol and atenolol for systemic hypertension. Fairhurst GJ. **Am J Cardiol** 1986 Nov 26; 58(12):25E–27E

Comparison of carvedilol and atenolol for angina pectoris. Freedman SB, et al. **Am J Cardiol** 1987 Sep 1;60(7):499–502

Comparison of esmolol and nitroprusside for acute post-cardiac surgical hypertension. Gray RJ, et al. **Am J Cardiol** 1987 Apr 1;59(8):887–91

Effects of bevantolol and atenolol on symptoms, exercise tolerance and metabolic risk factors in angina pectoris. Salonen JT, et al. **Am J Cardiol** 1986 Nov 26; 58(12):35E–40E

Safety and efficacy of flestolol, a new ultrashort-acting beta-adrenergic blocking agent, for supraventricular tachyarrhythmias. Steinberg JS, et al. **Am J Cardiol** 1986 Nov 1;58(10):1005–8

Antihypertensive effects of tertatolol: 3-month comparative study against acebutolol. Gallet M, et al. **Am J Nephrol** 1986;6 Suppl 2:83–7

Long-term experience with tertatolol in hypertension. Komajda M, et al. **Am J Nephrol** 1986;6 Suppl 2:106–12

Reversal of left ventricular hypertrophy following treatment with beta-blockers: experience with tertatolol. Trimarco B, et al. **Am J Nephrol** 1986;6 Suppl 2:94–9

Betaxolol in patients with glaucoma and asthma [letter] Berger WE. **Am J Ophthalmol** 1987 Apr 15;103(4):600–1

Comparison of propranolol, sotalol, and betaxolol in the treatment of neuroleptic-induced akathisia. Dupuis B, et al. **Am J Psychiatry** 1987 Jun;144(6):802–5

The role of an ultra short-acting adrenergic blocker (esmolol) in patients undergoing coronary artery bypass surgery. Harrison L, et al. **Anesthesiology** 1987 Mar;66(3):413–8

Betaxolol eye drops as a safe medication to lower intraocular pressure. Brooks AM, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):125–9

Oral xamoterol in patients with sinoatrial disease. Tseu FL, et al. **Br Heart J** 1986 Nov;56(5):469–72

A rest and exercise haemodynamic evaluation of a new cardio-selective beta-adrenoceptor blocker celiprolol alone and in combination with nitroglycerine in ischaemic heart disease. Silke B, et al. **Br J Clin Pharmacol** 1986 Dec; 22(6):697–706

Post-exercise hypotension: the effects of epanolol or atenolol on some hormonal and cardiovascular variables in hypertensive men. Wilcox RG, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):151–62

Levobunolol and metipranolol: comparative ocular hypotensive efficacy, safety, and comfort. Krieglstein GK, et al. **Br J Ophthalmol** 1987 Apr;71(4):250–3

Esmolol for control of increases in heart rate and blood pressure during tracheal intubation after thiopentone and succinylcholine. Liu PL, et al. **Can Anaesth Soc J** 1986 Sep;33(5):556–62

Hemodynamic effects of the beta 1-adrenoceptor partial agonist xamoterol in relation to plasma norepinephrine levels during exercise in patients with left ventricular dysfunction. Sato H, et al. **Circulation** 1987 Jan; 75(1):213–20

Acute, short- and long-term efficacy of oral bevantolol in patients with coronary artery disease: a placebo-controlled, randomized, double-blind study. Gimeno JV, et al. **Clin Cardiol** 1986 Sep;9(9):457–60

Exercise during therapeutic beta-blockade: a two-year study in hypertensive patients. Frisk-Holmberg M, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):395–9

Esmolol: a novel cardioselective, titratable, intravenous beta-blocker with ultrashort half-life. Covinsky JO. **Drug Intell Clin Pharm** 1987 Apr;21(4):316–21

Effects of single oral doses of bisoprolol and atenolol on airway function in nonasthmatic chronic obstructive lung disease and angina pectoris. Dorow P, et al. **Eur J Clin Pharmacol** 1986;31(2):143–7

The effect of bucindolol on the airway function of asthmatics. Ruffin RE, et al. **Eur J Clin Pharmacol** 1986;30(5):559–65

Effect of beta-adrenergic blockade on exercise performance in patients with chronic atrial fibrillation. Atwood JE, et al. **J Am Coll Cardiol** 1987 Aug;10(2):314–20

Perceived exertion and gas exchange after calcium and beta-blockade in atrial fibrillation. Myers J, et al. **J Appl Physiol** 1987 Jul;63(1):97–104

Optimization of beta-blockers for cardiovascular care. International Bisoprolol Symposium. Rabat, Morocco, November 20–22, 1985. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S1–174

Haemodynamic effects of bisoprolol in patients with coronary heart disease: influence of various bisoprolol plasma concentrations. Bonelli J, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S83–6

Double-blind comparison of the cardioselective beta-blockers bisoprolol and atenolol in hypertension: the Bisoprolol International Multicenter Study (BIMS). Bühler FR, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S122–7

Effects of bisoprolol in relation to metoprolol and bufuralol on left ventricular hemodynamics at rest and during exercise in chronic ischemic heart disease. Burkart F, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S78–82

Beta 1/beta 2-splitting of bisoprolol. Dorow P. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S65–8

Long-term effects of bisoprolol on blood pressure, serum lipids, and HDL-cholesterol in patients with essential hypertension. Frithz G, et al. **J Cardiovasc Pharmacol** 1986; 8 Suppl 11:S134–8

Clinical evaluation of bisoprolol in patients with hypertension: interim report. Ikeda M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S139–42

Influence of bisoprolol on blood glucose, glucosuria, and haemoglobin A1 in noninsulin-dependent diabetics. Janka HU, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S96–9

Clinical evaluation of bisoprolol in patients with stable angina pectoris: a preliminary report. Kato K, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S154–9

Influence of different bisoprolol doses on hemodynamics, plasma catecholamines, platelet aggregation, and alpha 2- and beta-receptors in hypertensive patients. Kirsten R, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S113–21

Management of chronic stable angina with once-daily bisoprolol or atenolol and long-term efficacy of bisoprolol. Kohli RS, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S148–53

A comparison of the effects of bisoprolol and atenolol on lipoprotein concentrations and blood pressure. Lithell H, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S128–33

Electrophysiologic effects of an acute beta-blockade induced by bisoprolol in patients with supraventricular tachycardia as assessed by His-bundle electrograms. Neuss H, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S167–70

Effect of bisoprolol on exercise tolerance in patients with coronary heart disease: placebo-controlled double-blind crossover study. Schnellbacher K, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S143–7

Clinical evaluation of bisoprolol in the treatment of extrasystoles and sinus tachycardia: an interim report. Sugimoto T, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S171–4

Summary of short- and long-term studies with bisoprolol in coronary heart disease (CHD). Wagner G. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S160–6

Dose-effect relationship and long-term effects of bisoprolol in mild to moderate hypertension. Weiner L, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S106–12

Changes in left ventricular anatomy and systemic hemodynamics induced by antihypertensive therapy with indenolol. De Luca N, et al. **J Clin Hypertens** 1987 Jun; 3(2):125–34

Effect of indenolol treatment on beta-adrenergic receptors of polymorphonucleates in essential hypertension. Corradi L, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S137–40

Carteolol treatment of essential hypertension: a long-term study of safety and efficacy. Luther RR, et al. **J Int Med Res** 1986;14(4):175–84

Long-term treatment of angina pectoris with carteolol: a new beta-adrenergic receptor blocking agent. Luther RR, et al. **J Int Med Res** 1986;14(4):167–74

Flavones. 1. Synthesis and antihypertensive activity of (3-phenylflavonoxy)propanolamines without beta-adrenoceptor antagonism. Wu ES, et al. **J Med Chem** 1987 May;30(5):788–92

Cardiovascular effects of ICI 118,587, a new beta-adrenoceptor partial agonist in man. Sasayama S, et al. **Jpn Circ J** 1986 Jul;50(7):636–43

Hemodynamic effect of bunitrolol on patients with ischemic heart disease. Comparison with propranolol. Serizawa T, et al. **Jpn Heart J** 1987 May;28(3):367–75

Treatment of idiopathic orthostatic hypotension with xamoterol [letter] Yamashita H, et al. **Lancet** 1987 Jun 20; 1(8547):1431–2

Indenolol kinetics versus pharmacodynamics in hypertension. Mailland F, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):567–74

Effect of xamoterol, a beta 1-adrenoceptor partial agonist, on myocardial pH decreased by coronary occlusion in dogs. Sashida H, et al. **Pharmacology** 1986;33(6):301–10

Efficacy of a low fixed-dose combination of penbutolol with piretanide in the treatment of mild to moderate hypertension: a double-blind study against placebo. Yasky J, et al. **Pharmatherapeutica** 1986;4(9):607–16

Esmolol: a novel ultra-short acting beta-adrenoreceptor blocking agent. Singh BN, et al. **Ration Drug Ther** 1986 Aug;20(8):1–7 (31 ref.)

Comparative study with Tobanum and Visken in hypertensive patients. Torma Z, et al. **Ther Hung** 1983; 31(3):129–35

[Relaxation and rapid filling of the left ventricle in essential hypertension during treatment with a non-selective beta blocker] Sirakova V, et al. **Vutr Boles** 1987;26(3):33–8 (Eng. Abstr.) **(Bul)**

[The effect of betalytics on blood circulation in the extremities of patients with lower extremity ischemic disease] Spáčil J. **Cas Lek Cesk** 1987 May 8;126(19):600–4 (Eng. Abstr.) **(Cze)**

[First clinical impressions of metipranolol eyedrops in open-angle glaucoma] Plane C. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1105–9 (Eng. Abstr.) **(Fre)**

[The cardioselective beta blocker bisoprolol. Value in the therapy of florid hyperthyroidism] Jungmann E, et al. **Fortschr Med** 1986 Sep 18;104(35):661–4 (Eng. Abstr.) **(Ger)**

[Long-term treatment of wide-angle glaucoma with the beta blocker levomoprolol: therapeutic effectiveness without side effects] Pecori-Giraldi J, et al. **Fortschr Ophthalmol** 1986;83(5):564–6 (Eng. Abstr.) **(Ger)**

[Tolerance and pharmacologic effectiveness of antiglaucoma eyedrops] Flury H, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):573–5 (Eng. Abstr.) **(Ger)**

[Antiglaucomatous effectiveness of beta receptor blockers with special reference to metipranolol] Noack E. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):1–3 (Eng. Abstr.) **(Ger)**

[Metipranolol 0.1% and pilocarpine 2% as a fixed combination compared to each substance alone in the treatment of glaucoma. A controlled, randomized clinical study comparing the intraindividual effects and tolerance] Scharrer A, et al. **Klin Monatsbl Augenheilkd** 1986 Dec; 189(6):450–5 (Eng. Abstr.) **(Ger)**

[1% carteolol hydrochloride eyedrops: long-term experience in the treatment of chronic open-angle glaucoma] van Husen H. **Klin Monatsbl Augenheilkd** 1986 Dec; 189(6):491–5 (Eng. Abstr.) **(Ger)**

[Intraindividual comparison of 2 bisoprolol dosages in patients with essential hypertension] Cardona R, et al. **Med Klin** 1986 Apr 25;81(9):307–10 (Eng. Abstr.) **(Ger)**

[Treatment of coronary heart disease with the beta-1-receptor blocker celiprolol in a long-term study over a 12-month period] Klinger D. **Wien Med Wochenschr** 1987 Jun 30;137(12):278–86 (Eng. Abstr.) **(Ger)**

[Placental circulation in simultaneous beta-stimulation using hexoprenaline and beta-1 blockade with celiprolol] Schurz AR, et al. **Z Geburtshilfe Perinatol** 1987 Jan-Feb; 191(1):29–33 (Eng. Abstr.) **(Ger)**

[Potential use of indenolol in hypertensive patients with chronic bronchial asthma] Della Toffola A, et al. **Minerva Med** 1986 Oct 13;77(39):1819–21 (Eng. Abstr.) **(Ita)**

[Antihypertensive treatment with captopril or carteolol in elderly patients] Murai A, et al. **Nippon Ronen Igakkai Zasshi** 1987 Jan;24(1):35–40 (Eng. Abstr.) **(Jpn)**

[Assessment of the antihypertensive action of Bunitrolol in patients with mild and moderate essential hypertension] Grajek S, et al. **Kardiol Pol** 1986;29(2):121–31 (Eng. Abstr.) **(Pol)**

[Viskaldix for treatment of patients with moderate arterial hypertension. Comparative estimation of hemodynamic changes during treatment with Viskaldix and Stresson] Grajek S, et al. **Kardiol Pol** 1986;29(7):440–53 (Eng. Abstr.) **(Pol)**

[Ocular hypotensive action of bupranolol solutions] Călugăru M, et al. **Rev Chir [Oftalmol]** 1987 Jan-Mar;31(1):43–6 (Eng. Abstr.) **(Rum)**

[Effect of penbutolol on the hemodynamics in patients with hypertensive disease] Demin AA, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):74–6 (Eng. Abstr.) **(Rus)**

[Clinical use of chloranolol (tobanum) in essential hypertension patients] Charyev KhE, et al. **Kardiologiia** 1986 Dec;26(12):86–9 (Eng. Abstr.) **(Rus)**

[Cordanum in the treatment of ischemic heart disease with stable extrasystole in the middle-aged and elderly] Korkushko OV, et al. **Sov Med** 1986;(8):3–8 (Eng. Abstr.) **(Rus)**

[Treatment of disorders in the lesser circulation following closed mitral commissurotomy by the combined use of cordanum and sodium nitroprusside] Kleĭnerman VE, et al. **Vestn Khir** 1986 Oct;137(10):116–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Further studies on the tumor-initiating activity of the beta-blocker DL-ZAMI 1305. Pacces N, et al. **Toxicol Pathol** 1986;14(4):470–6

URINE

[Thin layer analysis of talinolol (Cordanum) in urine—a screening method for monitoring of drug compliance in hypertensive patients] Vogel I, et al. **Pharmazie** 1987 Mar; 42(3):165–6 (Eng. Abstr.) **(Ger)**

PROPANTHELINE

METABOLISM

A highly sensitive HPLC method for the assay of propantheline used to measure its uptake by rat intestinal brush border membrane vesicles. Saitoh H, et al. **J Pharm Pharmacol** 1987 Jan;39(1):9–12

PHARMACODYNAMICS

Effects of histamine antagonists, an anticholinergic agent and antacid on gizzard erosions in broiler chicks. Miyazaki S, et al. **Br Poult Sci** 1987 Mar;28(1):39–45

THERAPEUTIC USE

[Treatment of functional disorders of the digestive system with combination therapy] Carilli L, et al. **Minerva Dietol Gastroenterol** 1987 Jan-Mar;33(1):71–81 (Eng. Abstr.) **(Ita)**

[Multicenter study on the effectiveness and tolerance of a bromazepam + propantheline combination in patients with irritable bowel syndrome] Dioguardi N, et al. **Minerva Dietol Gastroenterol** 1987 Apr-Jun;33(2):155–67 (Eng. Abstr.) **(Ita)**

PROPERDIN

ANALYSIS

A sandwich ELISA for properdin in clinical specimens. Hoffmann LG, et al. **J Immunol Methods** 1987 Apr 16; 98(2):161–72

DEFICIENCY

Inherited deficiency of properdin and C2 in a patient with recurrent bacteremia. Gelfand EW, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):671–5

Congenital properdin deficiency and meningococcal infection. Nielsen HE, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):134–9

Bactericidal activity for Neisseria meningitidis in properdin-deficient sera. Söderström C, et al. **J Infect Dis** 1987 Jul;156(1):107–12

Familial properdin deficiency and fatal meningococcemia. Correction of the bactericidal defect by vaccination. Densen P, et al. **N Engl J Med** 1987 Apr 9;316(15):922–6

Deficiencies in regulator proteins. 3. Properdin. Wyatt RJ. **Prog Allergy** 1986;39:339–43

ISOLATION & PURIFICATION

Resolution and analysis of 'native' and 'activated' properdin. Farries TC, et al. **Biochem J** 1987 Apr 15;243(2):507–17

METABOLISM

Activation of the alternative pathway of complement by human serum IgA. Hiemstra PS, et al. **Eur J Immunol** 1987 Mar;17(3):321–6

PROPERDIN FACTOR B see under **ENZYME PRECURSORS**

PROPERDIN FACTOR D see under **COMPLEMENT ACTIVATING ENZYMES**

PROPHAGE EXCISION see **VIRUS ACTIVATION**

PROPHAGE INDUCTION see **VIRUS ACTIVATION**

PROPHAGE INTEGRATION see **LYSOGENY**

PROPHASE

Blood group antigens in relation to DNA content, S-phase rate and heterogeneity, and their prognostic values in cervical carcinoma. Strang P, et al. **Anticancer Res** 1987 Jan-Feb;7(1):125–8

Prophasing: what's in a name? [editorial] Sandberg AA. **Cancer Genet Cytogenet** 1987 Jul;27(1):181–3

The human inactivated X chromosome folds in early metaphase, prometaphase, and prophase. Van Dyke DL, et al. **Hum Genet** 1987 Sep;77(1):57–9

Identification of a meiotic prophase-specific nuclear matrix protein in the rat. Behal A, et al. **J Biol Chem** 1987 Aug 5;262(22):10898–902

Actin in the preprophase band of Allium cepa. Palevitz BA. **J Cell Biol** 1987 Jun;104(6):1515–9

A fractionated cell-free system for analysis of prophase nuclear disassembly. Suprynowicz FA, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2073–81

[Electron microscopic study of preleptotene-stage oocyte nuclei in the prophase of meiosis in the hen] Kalinina EI. **Tsitologiia** 1986 Oct;28(10):1061–8 (Eng. Abstr.) **(Rus)**

PROPHENIRAMINE see **PHENIRAMINE**

PROPHENPYRIDAMINE see **PHENIRAMINE**

PROPIDIUM see under **PHENANTHRIDINES**

PROPIOLACTONE see under **LACTONES**

PROPIONATES

Roussel convicted of misleading promotion. Collier, et al. **Lancet** 1987 Jan 10;1(8524):113–4

ADMINISTRATION & DOSAGE

Effects on plasma insulin of intermittent infusions of propionic acid, glucose or casein into the alimentary tract of non-lactating cows maintained on a liquid diet. Istasse L, et al. **Br J Nutr** 1987 Jul;58(1):139–48

A comparison of a sustained release preparation of tiaprofenic acid with the conventional tablet formulation and a placebo in rheumatoid arthritis. Essigman W, et al. **Int J Clin Pharmacol Res** 1987;7(4):251–7

Colestipol plus fenofibrate versus synvinolin in familial hypercholesterolaemia [letter] Weisweiler P, et al. **Lancet** 1986 Nov 22;2(8517):1212–3

Flurbiprofen—an ophthalmic NSAID. **Med Lett Drugs Ther** 1987 Jun 19;29(742):58–9

[Effects of an anti-prostaglandin agent added to the irrigation solution on retinal edema in rabbit eyes induced by pars plana vitrectomy] Shimada H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):360–75 (Eng. Abstr.) **(Jpn)**

[Effect of long-term treatment with fenofibrate on serum lipids and lipoproteins in patients with hypercholesterolemia and hypertriglyceridemia] Sznajderman M. **Pol Tyg Lek** 1986 Dec 22–29; 41(51–52):1633–7 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Syringomatous hyperplasia and eccrine squamous syringometaplasia associated with benoxaprofen therapy. Lerner TH, et al. **Arch Dermatol** 1987 Sep;123(9):1202–4

Benoxaprofen—adverse reactions and monitoring in general practice. Newrick PG, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):195–8

Persistent phototoxicity after benoxaprofen [letter] Sneddon IB. **Br J Dermatol** 1986 Oct;115(4):515–6

Benoxaprofen case makes legal history. Dyer C. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):39–40

A case of acute interstitial nephritis induced by flurbiprofen. Tazoe N, et al. **Jpn J Med** 1987 May;26(2):230–3

Flurbiprofen warning [letter] Earl JA. **Vet Rec** 1987 Apr 4;120(14):349

Flurbiprofen warning [letter] Nash AS, et al. **Vet Rec** 1987 Apr 18;120(16):399

[Ingestion of tiaprofenic acid (Surgam) associated with an outbreak of acute pancreatitis (letter)] Cadranel JF, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):99–100 **(Fre)**

[Hemolytic anemia caused by fenbufen (letter)] Beucler A, et al. **Presse Med** 1986 Sep 20;15(30):1426 **(Fre)**

ANALYSIS

Simultaneous determination of flurbiprofen and its major metabolite in physiological fluids using liquid chromatography with fluorescence detection. Adams WJ, et al. **Anal Chem** 1987 Jun 1;59(11):1504–9

Gas chromatographic determination of calcium propionate added as preservative to bread. Lamkin WM, et al. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):763–7

Flurbiprofen analysis in plasma and breast milk by high-performance liquid chromatography. Johnson VA, et al. **J Chromatogr** 1986 Oct 31;382:367–71

Simple and rapid method for determining procetofenic acid, an active metabolite of procetofen, in biological fluids by solid-phase extraction and high-performance liquid chromatography. Ramusino AC, et al. **J Chromatogr** 1986 Dec 19;383(2):419–24

BLOOD

Rapid HPLC-determination of ibuprofen and flurbiprofen in plasma for therapeutic drug control and pharmacokinetic applications. Askholt J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov;59(5):382–6

Reactions of oxaprozin-1-O-acyl glucuronide in solutions of human plasma and albumin. Ruelius HW, et al. **Adv Exp Med Biol** 1986;197:431–41

Identification and quantification of a protein-bound ligand in uremic serum. Takeda N, et al. **Clin Chem** 1987 May;

33(5):682–5
Methylmalonic aciduria and propionic acidaemia studied by proton nuclear magnetic resonance spectroscopy. Iles RA, et al. **Clin Chim Acta** 1986 Dec 15;161(2):173–89
Relationships between thromboxane production, platelet aggregability, and serum concentrations of ibuprofen or flurbiprofen. Cox SR, et al. **Clin Pharmacol Ther** 1987 May; 41(5):510–21
Determination of 3-carboxy-4-methyl-5-propyl-2-furanpropanoic acid, a major endogenous ligand substance in uremic serum, by high-performance liquid chromatography with ultraviolet detection. Mabuchi H, et al. **J Chromatogr** 1987 Mar 20; 415(1):110–7
Pharmacologic amino acid acylation in the acute hyperammonemia of propionic acidemia. Petrowski S, et al. **J Neurogenet** 1987 Apr;4(2–3):87–96

CHEMICAL SYNTHESIS

Studies on the derivatives of aziridine. I. synthesis and immunopharmacological analysis of amides of alpha-aziridinyl- beta-/p-chlorobenzoyl/-propionic acid. Kowalczyk-Bronisz SH, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):333–50
Alkylglycidic acids: potential new hypoglycemic agents. Ho W, et al. **J Med Chem** 1986 Nov;29(11):2184–90
[Azoles. 17. Beta-(4-pyrazol)acrylic and propionic acids and their anti-inflammatory activity] Bernard M, et al. **Pharmazie** 1986 Aug;41(8):560–2 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Separation of the enantiomers of fluazifop and other 2-phenoxypropionic acids using chiral metal chelate additives in reversed-phase high-performance liquid chromatography. Davy GS, et al. **J Chromatogr** 1987 May 22;394(2):323–31
Isolation and characterization of an endogenous drug-binding inhibitor present in uremic serum. Mabuchi H, et al. **Nephron** 1986;44(4):277–81
[Isolation and structure determination of Arthrinium toxin causing sugarcane poisoning. 3. Nitropropionic acid] Hu WJ, Chung Hua Yu Fang I Hsueh Tsa Chih 1986 Nov; 20(6):321–3 (Eng. Abstr.) **(Chi)**

METABOLISM

Pathway of oxidation of pyruvic oxime by a heterotrophic nitrifier of the genus Alcaligenes: evidence against nitroethane as an intermediate. Castignetti D, et al. **Arch Biochem Biophys** 1986 Oct;250(1):228–32
Oxaprozin pharmacokinetics in patients with congestive heart failure. Ochs HR, et al. **Arzneimittelforschung** 1986 Dec; 36(12):1837–40
Activation of hypolipidaemic drugs to acyl-coenzyme A thioesters. Bronfman M, et al. **Biochem J** 1986 Nov 1; 239(3):781–4
Pharmacokinetics of flurbiprofen in man. I. Area/dose relationships. Szpunar GJ, et al. **Biopharm Drug Dispos** 1987 May-Jun;8(3):273–83
The pharmacokinetics of sustained release tiaprofenic acid in elderly arthritic patients. Hosie GA, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):93–5
Propionate metabolism and its regulation by fatty acids in ovine hepatocytes. Faulkner A, et al. **Comp Biochem Physiol [B]** 1986;84(4):559–63
The pharmacokinetics of single and multiple doses of tiaprofenic acid in elderly patients with arthritis. Hosie J, et al. **Eur J Clin Pharmacol** 1987;32(1):93–5
Interaction of oxaprozin with acetaminophen, cimetidine, and ranitidine. Scavone JM, et al. **Eur J Clin Pharmacol** 1986; 31(3):371–4
Biosynthesis of lasalocid A. Metabolic interrelationships of carboxylic acid precursors and polyether antibiotics [published erratum appears in J Antibiot (Tokyo) 1987 Mar;40(3):following 399] Sherman MM, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1135–43
Interactions of propionate and carnitine metabolism in isolated rat hepatocytes. Brass EP, et al. **Metabolism** 1987 Aug;36(8):781–7
Carnitine therapy in disorders of propionate metabolism. **Nutr Rev** 1986 Jul;44(7):232–3 (6 ref.)
Propionate and cholesterol homeostasis in animals. **Nutr Rev** 1987 Jun;45(6):188–90 (18 ref.)
Peroxisome proliferator-binding protein: identification and partial characterization of nafenopin-, clofibric acid-, and ciprofibrate-binding proteins from rat liver. Lalwani ND, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5242–6
[Pharmacokinetics of alminoprofen in healthy subjects. Influence of the time of administration] Paillet M, et al. **Therapie** 1986 Nov-Dec;41(6):413–6 (Eng. Abstr.) **(Fre)**
[Percutaneous absorption of flurbiprofen--comparison in 8 regional variations] Osamura H, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):65–71 **(Jpn)**
[Intensity of acetate and propionate incorporation into the different molecular components of brain and liver glycerophospholipids] Sokolova GP, et al. **Nerv Sist** 1986; 25:130–6 **(Rus)**

PHARMACODYNAMICS

Inhibition of oxidative metabolism by propionic acid and its reversal by carnitine in isolated rat hepatocytes. Brass EP, et al. **Biochem J** 1986 May 15;236(1):131–6
Effect of limited modification of amino groups on the reactivity of human factor Xa. Morrison SA, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):409–18
Potentiation of the generation of reactive oxidants by human phagocytes during exposure to benoxaprofen and ultraviolet radiation in vitro. Anderson R, et al. **Br J Dermatol** 1986 Sep;115(3):285–95
Role of fatty acyl coenzyme A oxidase in the efflux of oxidized glutathione from perfused livers of rats treated with the peroxisome proliferator nafenopin. Conway JG, et al. **Cancer Res** 1987 Sep 15;47(18):4795–800
Study of the interactions between sulfamethizole and diclofenac, diclofenac or tiaprofenic acid in rats. Chiba K, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):882–6
Comparative study of interactions between 4-biphenylacetic acid and sulfamethizole, and between fenbufen and sulfamethizole in rats. Chiba K, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4389–93
Long-term maintenance of hepatocytes in primary culture in the presence of DMSO: further characterization and effect of nafenopin, a peroxisome proliferator. Muakkassah-Kelly SF, et al. **Exp Cell Res** 1987 Jul; 171(1):37–51
Effect on feed intake of infusing sodium propionate or sodium acetate into a mesenteric vein of cattle. Elliot JM, et al. **J Dairy Sci** 1985 May;68(5):1165–70
Failure of chronic aspirin treatment to inhibit urinary prostaglandin excretion in spontaneously hypertensive rats: comparison with indomethacin and flurbiprofen. Quilley CP, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):916–21
Effect of flurbiprofen and 16,16-dimethyl-prostaglandin E2 on gastrointestinal tumorigenesis induced by N-methyl-N'-nitro-N-nitrosoguanidine in rats. I. Squamous epithelium and mesenchymal tissue. Lehnert T, et al. **JNCI** 1987 May;78(5):923–9
Morphometric study of human hepatic cell modifications induced by fenofibrate. Gariot P, et al. **Metabolism** 1987 Mar;36(3):203–10
Effect of guanidino-propionic acid on lymphocyte proliferation. Shainkin-Kestenbaum R, et al. **Nephron** 1986; 44(4):295–8
Effect of nafenopin, a peroxisome proliferator, on energy metabolism in the rat as a function of acclimation temperature. Seydoux J, et al. **Pflugers Arch** 1986 Oct; 407(4):377–81
Electrophysiological properties of glial cells are altered by propionate and barium-tetraethylammonium (TEA). Burnard DM, et al. **Proc West Pharmacol Soc** 1987;30:215–7
Interaction of benoxaprofen with rat erythrocytes: effects on oxidative metabolism and membrane ATPase activities. Knights KM, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):227–36
Anorexia during febrile conditions in dwarf goats. The effect of diazepam, flurbiprofen and naloxone. van Miert AS, et al. **Vet Q** 1986 Oct;8(4):266–73
[Mechanism of the inhibitory effect of pranoprofen on sodium urate crystal-induced inflammation] Aratani H, et al. **Nippon Yakurigaku Zasshi** 1987 Mar;89(3):139–44 (Eng. Abstr.) **(Jpn)**
[Anti-inflammatory, analgesic and anti-pyretic activities of a new anti-inflammatory compound, 2-[4-(3-methyl-2-butenyl)phenyl] propionic acid (TA), in experimental animals] Higuchi S, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):269–77 (Eng. Abstr.) **(Jpn)**
[Inhibitory effect of EB-382, a non-steroidal antiinflammatory agent, on platelet aggregation] Fujiyoshi T, et al. **Yakugaku Zasshi** 1987 Jan;107(1):76–81 (Eng. Abstr.) **(Jpn)**
[Clinical pharmacodynamics of tiaprofenic acid] Meirovich CI, et al. **Medicina (B Aires)** 1986;46(1):59–63 (Eng. Abstr.) **(Spa)**

POISONING

Suspected flurbiprofen toxicity and its treatment in a dog. England GC. **Vet Rec** 1987 Jun 20;120(25):599–600
Fluriprofen warning [letter] Marlow CA. **Vet Rec** 1987 Mar 21;120(12):287

THERAPEUTIC USE

Adhesion formation and uterine tube healing in the rabbit: a controlled study of the effect of ibuprofen and flurbiprofen. Jarrett JC 2d, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1186–92
Effects of fenofibrate on plasma lipids. Double-blind, multicenter study in patients with type IIA or IIB hyperlipidemia. Brown WV, et al. **Arteriosclerosis** 1986 Nov-Dec;6(6):670–8
Effects of fenofibrate on lipids, lipoproteins, and apolipoproteins in 33 subjects with primary hypercholesterolemia. Mellies MJ, et al. **Atherosclerosis** 1987 Jan;63(1):57–64
An evaluation of the anti-inflammatory effect of flurbiprofen after cataract extraction. Sabiston DW, et al. **Br J Ophthalmol** 1987 Jun;71(6):418–21
The effect of combined fenofibrate and cholestyramine therapy on low-density lipoprotein kinetics in familial hypercholesterolemia patients. Malmendier CL, et al. **Clin Chim Acta** 1987 Jan 30;162(2):221–7
Comparison of sustained-release with standard tiaprofenic acid in the treatment of rheumatic diseases in general practice. Phillips G, et al. **Curr Med Res Opin** 1987; 10(7):486–93
Oxaprozin. A preliminary review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy. Todd PA, et al. **Drugs** 1986 Oct;32(4):291–312 (78 ref.)
Tiaprofenic acid in the treatment of primary dysmenorrhoea. Kauppila A, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5–6):359–63
Flurbiprofen versus ASA in influenza symptomatology: a double-blind study. Broggini M, et al. **Int J Clin Pharmacol Res** 1986;6(6):485–8
Flurbiprofen as an alternative pain suppressor to standard analgesic therapy. **J Am Dent Assoc** 1986 Oct;113(4):671
Biliary lipid secretion in patients with heterozygous familial hypercholesterolemia and combined hyperlipidemia. Influence of bezafibrate and fenofibrate. Leiss O, et al. **J Lipid Res** 1986 Jul;27(7):213–23
Flurbiprofen treatment of periodontal disease in beagles. Jeffcoat MK, et al. **J Periodont Res** 1986 Nov;21(6):624–33
Flurbiprofen in the treatment of juvenile rheumatoid arthritis. Bass J, et al. **J Rheumatol** 1986 Dec;13(6):1081–3
Antimetastatic effect of flurbiprofen and other platelet aggregation inhibitors. Mamytbeková A, et al. **Neoplasma** 1986;33(4):417–21
[Ambulatory multicenter study: efficiency and tolerance of tiaprofenic acid in 4166 osteoarthritic patients] Longatti S. **Clin Ter** 1987 May 15;121(3):219–27 (Eng. Abstr.) **(Ita)**
[Comparative clinical study of tiaprofenic acid and lysine acetylsalicylate in aged osteoarthrosis patients] Viara M, et al. **Minerva Med** 1987 Jun 30;78(12):865–70 (Eng. Abstr.) **(Ita)**
[Effect of flurbiprofen combined with an antibiotic in inflammatory bronchopneumopathy in pediatrics] Poncini L, et al. **Minerva Pediatr** 1987 Mar 31;39(5–6):215–9 (Eng. Abstr.) **(Ita)**
[Effect of pranoprofen on sodium urate crystal-induced inflammation] Terasawa M, et al. **Nippon Yakurigaku Zasshi** 1987 Mar;89(3):129–37 (Eng. Abstr.) **(Jpn)**
[Result of a double-blind clinical study of EB-382 (Alminoprofen) in rheumatoid arthritis] Nishioka K, et al. **Ryumachi** 1986 Jun;26(3):210–20 **(Jpn)**
[The anti-allergic effects of EB-382, a non-steroidal antiinflammatory agent] Fujiyoshi T, et al. **Yakugaku Zasshi** 1987 Feb;107(2):170–4 (Eng. Abstr.) **(Jpn)**

TOXICITY

Nature and distribution of brain lesions in rats intoxicated with 3-nitropropionic acid: a type of hypoxic (energy deficient) brain damage. Hamilton BF, et al. **Acta Neuropathol (Berl)** 1987;72(3):286–97
Investigations on the mechanism of liver tumour induction by peroxisome proliferators. Bentley P, et al. **Arch Toxicol [Suppl]** 1987;10:157–61
Screening of the food additive propionic acid for genotoxic properties. Basler A, et al. **Food Chem Toxicol** 1987 Apr; 25(4):287–90
Selective mutagenic activity of 2-bromo-propanamides on Salmonella typhimurium. A structure-activity study. Dolzani L, et al. **Mutat Res** 1986 Oct;172(1):29–36
Benoxaprofen photosensitization of phospholipase activation in mammalian cells in culture. Deleo VA, et al. **Toxicol Lett** 1986 Sep;32(3):215–20
Morphometric analysis of cultured hepatocytes exposed to benoxaprofen. Sorensen EM. **Toxicol Lett** 1986 Dec; 34(2–3):277–86
Time and dose study on the response of rats to the hypolipidaemic drug fenofibrate. Price SC, et al. **Toxicology** 1986 Oct;41(2):169–91

URINE

Urinary 3-methylthiopropionate excretion and the effect of D- or L-methionine ingestion studied in healthy subjects. Kaji H, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):101–9

PROPIONIBACTERIUM

ANALYSIS

Isolation of intact chains of polyphosphate from "Propionibacterium shermanii" grown on glucose or lactate. Clark JE, et al. **J Bacteriol** 1986 Dec;168(3):1212–9

CLASSIFICATION

Important properties in the differentiation of gram positive non-sporing rods in the genera Propionibacterium, Eubacterium, Actinomyces and Bifidobacterium. Beerens H, et al. **Soc Appl Bacteriol Symp Ser** 1986;13:37–59 (38 ref.)

DRUG EFFECTS

In-vitro sensitivity of Bacteroidaceae, clostridia and propionibacteria to newer antimicrobial agents. Höffler U. **J Antimicrob Chemother** 1986 Dec;18 Suppl E:41–6
Antibacterial efficacy of Fabry's tinctura on the resident flora

of the skin at the forehead. Study of bacterial population dynamics in stratum corneum and infundibulum after single and repeated applications. Hartmann AA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Oct; 182(5–6):499–514

ENZYMOLOGY

Carbohydrate substrate specificity of bacterial and plant pyrophosphate-dependent phosphofructokinases. Bertagnolli BL, et al. **Biochemistry** 1986 Aug 12; 25(16):4674–81

Biotin-dependent carboxylation catalyzed by transcarboxylase is a stepwise process. O'Keefe SJ, et al. **Biochemistry** 1986 Oct 7;25(20):6077–84

The mechanism of utilization of polyphosphate by polyphosphate glucokinase from Propionibacterium shermanii. Pepin CA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5223–6

Polyphosphate kinase from Propionibacterium shermanii. Demonstration that polyphosphates are primers and determination of the size of the synthesized polyphosphate. Robinson NA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5216–22

[Peroxidase of propionic acid bacteria] Vorob'eva LI, et al. **Mikrobiologiia** 1986 Sep–Oct;55(5):750–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Combined immunostimulation (Propionibacterium avidum KP 40) and anticoagulation (heparin) prevents metastatic lung and liver colonization in mice. Beuth J, et al. **J Cancer Res Clin Oncol** 1987;113(4):359–62

The influence of killed Propionibacterium granulosum on experimental infection with Escherichia coli. Hof H, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):75–8

[Use of Propionibacterium granulosum Kp 45 in the combined treatment of the inflammatory form of breast cancer] Płużańska A, et al. **Nowotwory** 1986 Jan–Mar; 36(1):27–35 **(Pol)**

ISOLATION & PURIFICATION

Propionibacteria isolates and asymptomatic infections of the peritoneal effluent in CAPD patients. Sombolos K, et al. **Nephrol Dial Transplant** 1986;1(3):175–8

[Search for propionic acid bacteria in the human intestine] Vorob'eva LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):7–12 (Eng. Abstr.) **(Rus)**

METABOLISM

[Effect of cobalamin derivatives on DNA synthesis in cells of Propionibacterium freudenreichii subsp. shermanii] Iordan EP, et al. **Biol Nauki** 1987;(1):5–10 (Eng. Abstr.) **(Rus)**

PROPIONIBACTERIUM ACNES

Pleurodesis—testing the waters [editorial] Antony VB. **Am Rev Respir Dis** 1987 Apr;135(4):775–6

Symptomatic treatment of recurrent malignant pleural effusions with intrapleurally administered Corynebacterium parvum. Clinical response is not associated with evidence of enhancement of local cellular-mediated immunity. Rossi GA, et al. **Am Rev Respir Dis** 1987 Apr;135(4):885–90

Corynebacterium parvum in malignant pleural effusion. A randomized prospective study. Hillerdal G, et al. **Eur J Respir Dis** 1986 Sep;69(3):204–6

Proliferative glomerulonephritis and chronic active hepatitis with cirrhosis associated with Corynebacterium parvum immunotherapy in a dog. Leifer CE, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):78–80

Superiority of intravesical immunotherapy with Corynebacterium parvum and Allium sativum in control of murine bladder cancer. Marsh CL, et al. **J Urol** 1987 Feb;137(2):359–62

ANALYSIS

A 31P-NMR study of Propionibacterium acnes, including effects caused by near-ultraviolet irradiation. Kjeldstad B, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):184–9

DRUG EFFECTS

[Antibiotic susceptibility of Propionibacterium acnes; changes in the last 15 years at the Department of Dermatology, Kansai Medical University] Kurokawa I, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(14):1655–60 **(Jpn)**

[Effect of free fatty acids on Propionibacterium acnes and Staphylococcus epidermidis] Nakagawa M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Sep;96(10):1007–11 **(Jpn)**

IMMUNOLOGY

Role of interferon, antibodies and macrophages in the protective effect of Corynebacterium parvum on encephalomyocarditis virus-induced disease in mice. Géniteau-Legendre M, et al. **Antiviral Res** 1987 Mar; 7(3):161–7

Antibodies to P. acnes and P. acnes exocellular enzymes in the normal population at various ages and in patients with acne vulgaris. Ingham E, et al. **Br J Dermatol** 1987 Jun; 116(6):805–12

Intrapleural and intravenous Corynebacterium parvum in patients with resected stage I and II non-small cell carcinoma of the lung. The Ludwig Lung Cancer Study Group. **Cancer Immunol Immunother** 1986;23(1):1–4

The effect of Kupffer cell stimulation or depression on the development of liver metastases in the rat. Pearson HJ, et al. **Cancer Immunol Immunother** 1986;23(3):214–6

Prolongation of survival of mice bearing the Eb and ESb lymphoma by treatment with interferon inducers alone or in combination with Corynebacterium parvum. Storch E, et al. **Cancer Immunol Immunother** 1986;23(3):179–84

Canine oral melanoma: comparison of surgery versus surgery plus Corynebacterium parvum. MacEwen EG, et al. **Cancer Invest** 1986;4(5):397–402

Antigen-specific suppression of the in vitro cytotoxic response by a soluble factor produced by Corynebacterium parvum-induced allospecific suppressor cells. Terpenning M, et al. **Cell Immunol** 1987 Feb;104(2):271–80

Corynebacterium parvum followed by chemotherapy (actinomycin D and DTIC) compared with chemotherapy alone for metastatic malignant melanoma. Thatcher N, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):1009–14

Encephalomyocarditis (EMC) virus-induced diabetes mellitus prevented by Corynebacterium parvum in mice. Kounoue E, et al. **Experientia** 1987 Apr 15;43(4):430–1

Phase III study on the treatment of women with cervical cancer, stage IIB, IIIB, and IVA (confined to the pelvis and/or periaortic nodes), with radiotherapy alone versus radiotherapy plus immunotherapy with intravenous Corynebacterium parvum: a Gynecologic Oncology Group Study. DiSaia PJ, et al. **Gynecol Oncol** 1987 Mar; 26(3):386–97

Frequency analysis of augmented CTL production associated with Corynebacterium parvum-induced tumour regression. Johnson TR, et al. **Immunology** 1987 Mar;60(3):361–6

Role of reactive oxygen intermediates in the hepatotoxicity of endotoxin. Ghezzi P, et al. **Immunopharmacology** 1986 Dec;12(3):241–4

Induction of murine gamma interferon production by lipopolysaccharide and interleukin-2 in Propionibacterium acnes-induced peritoneal exudate cells [published erratum appears in Infect Immun 1987 Aug;55(8):1948] Okamura H, et al. **Infect Immun** 1987 Feb;55(2):335–41

Suppression of basal and Corynebacterium parvum-augmented NK activity during chemically induced tumor development. Ghoneum M, et al. **Int J Immunopharmacol** 1987;9(1):71–8

Induction, maintenance, and reinduction of tumoricidal activity in bone marrow-derived mononuclear phagocytes by Corynebacterium parvum. Evidence for the involvement of a T cell- and interferon-gamma-independent pathway of macrophage activation. Keller R, et al. **J Immunol** 1987 Apr 1; 138(7):2366–71

Splenomimetic effect of Corynebacterium parvum in fulminant pneumococcemia. Wellish KL, et al. **J Infect Dis** 1987 Jul;156(1):130–5

Local interferon induction by bacterial lipopolysaccharide in mice after pretreatment with Corynebacterium parvum. Kirchner H, et al. **J Interferon Res** 1986 Oct;6(5):483–7

Effects of diethylstilbestrol on Propionibacterium acnes immunomodulation: inhibition of macrophage activation and antitumor activity. Ackermann MF, et al. **J Leukocyte Biol** 1986 Nov;40(5):549–59

Modulation of the pattern of development of experimental disseminated leishmaniasis by Corynebacterium parvum. Hill JO. **J Leukocyte Biol** 1987 Feb;41(2):165–9

Tumor-specific T-lymphocyte cytotoxicity enhanced by low dose of C. parvum. Lau BH, et al. **J Leukocyte Biol** 1987 May;41(5):407–11

Mechanism of decline of natural killer cell activity in Corynebacterium parvum-treated mice: inhibition by erythroblasts and Thy 1.2+ lymphocytes. Savary CA, et al. **JNCI** 1987 Sep;79(3):533–41

Therapeutic effect of cell-wall skeleton of Propionibacterium acnes in combination with a monoclonal antibody (C6-1.2) on the lung metastases of Lewis lung carcinoma. Saiki I, et al. **Jpn J Cancer Res** 1987 May;78(5):512–8

Down-regulation of insulin receptors in Propionibacterium acnes-activated macrophages in the mouse. Bautista AP, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):59–68

The immunological activities of components isolated from Corynebacterium parvum in mice injected with polyoma tumor cells. Tomecki J, et al. **Neoplasma** 1987;34(1):15–22

Protection of mice against intestinal amoebiasis with BCG, Corynebacterium parvum and Listeria monocytogenes. Ghadirian E, et al. **Parasite Immunol** 1986 Nov;8(6):663–7

Immunomodulation with killed Propionibacterium acnes in guinea pigs simultaneously vaccinated with Brucella abortus strain 19. Panangala VS, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):71–84

[Comparative studies of the immunostimulating (paramunizing) effectiveness of BCG, levamisole, Corynebacterium parvum and preparations of pock viruses in various in vivo and in vitro tests] Mayr A, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):321–39 (Eng. Abstr.) **(Ger)**

[Intrahepatic cholestasis induced by heat-killed Propionibacterium acnes in the tuberculin-sensitized guinea pig] Sakagami Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1318–23 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Propionibacterium acnes osteomyelitis: case report and review of the literature. Noble RC, et al. **J Clin Microbiol** 1987 Feb;25(2):251–4

Pathogenicity of Propionibacterium acnes isolated from Kawasaki disease patients—cytopathogenic protein (CPP) isolated from P. acnes culture filtrates and measurement of the antibody against CPP. Tomita S. **Kurume Med J** 1986;33(4):173–80

[Isolation of Propionibacterium acnes from a cervical lymph node in Whipple's disease (letter)] Verdier M, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):524–6 **(Fre)**

METABOLISM

Cell-to-cell interaction of Streptococcus sanguis and Propionibacterium acnes on saliva-coated hydroxyapatite. Ciardi JE, et al. **Infect Immun** 1987 Jun;55(6):1441–6

Histamine production by Propionibacterium acnes in batch and continuous culture. Allaker RP, et al. **Microbios** 1986; 48(196–197):165–72

Uptake of protoporphyrin and violet light photodestruction of Propionibacterium acnes. Melø TB. **Z Naturforsch [C]** 1987 Jan–Feb;42(1–2):123–8

Photodestruction of endogenous porphyrins in relation to cellular inactivation of Propionibacterium acnes. Melø TB, et al. **Z Naturforsch [C]** 1986 Sep–Oct;41(9–10):867–72

PATHOGENICITY

[Pathomechanism, bacteriology and treatment of acne changes] Kasprowicz A. **Folia Med Cracov** 1987; 28(1–2):13–23 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Corynebacterium parvum, but not BCG, induces elevations in plasma proteinase activity similar to those observed in tumor-bearing mice. Hart DA. **Haemostasis** 1987; 17(1–2):79–88

RADIATION EFFECTS

No photoinactivation of Propionibacterium acnes with soft laser treatment [letter] Johnsson A, et al. **Dermatologica** 1987;175(1):50

PROPIONIC ACIDS see under **PROPIONATES**

PROPIOPHENONES

Sex differences in the production of methaemoglobinaemia by 4-aminopropiophenone. Bright JE, et al. **Xenobiotica** 1987 Jan;17(1):79–83

ADMINISTRATION & DOSAGE

Experiences with the combined use of Mydocalm + Donalgin in the treatment of patients suffering from lumboischialgia. Kumin M, et al. **Ther Hung** 1984; 32(1):26–8

ADVERSE EFFECTS

Cardiovascular effects of imipramine and bupropion in depressed patients with congestive heart failure. Roose SP, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):247–51

CHEMICAL SYNTHESIS

[Central muscle relaxant activities of 2-methyl-3-aminopropiophenone derivatives] Kontani H, et al. **Nippon Yakurigaku Zasshi** 1987 Feb;89(2):91–101 (Eng. Abstr.) **(Jpn)**

METABOLISM

Pharmacokinetics of bupropion and metabolites in plasma and brain of rats, mice, and guinea pigs. Suckow RF, et al. **Drug Metab Dispos** 1986 Nov–Dec;14(6):692–7

Interaction of 5-hydroxykynurenamine, L-kynurenine and kynuramine with multiple serotonin receptors in smooth muscle. Pomfret DW, et al. **J Pharmacol Exp Ther** 1987 May;241(2):465–71

Pharmacological significance of the species differences in bupropion metabolism. Welch RM, et al. **Xenobiotica** 1987 Mar;17(3):287–98

PHARMACODYNAMICS

Inhibition of epoxide hydrolases and glutathione S-transferases by 2-, 3-, and 4-substituted derivatives of 4'-phenylchalcone and its oxide. Miyamoto T, et al. **Arch Biochem Biophys** 1987 Apr;254(1):203–13

Pharmacological studies of the new centrally acting muscle relaxant 4'-ethyl-2-methyl-3-pyrrolidinopropiophenone hydrochloride. Morikawa K, et al. **Arzneimittelforschung** 1987 Mar;37(3):331–6

Altered metabolism of [18F]-6-fluorodopa in the hooded rat following inhibition of catechol-O-methyltransferase with U-0521. Cumming P, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2527–31

Inhibition of the mitochondrial NADH-oxidase

(NADH–coenzyme Q oxido–reductase) enzyme system by flavonoids: a structure–activity study. Hodnick WF, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2873–4

Inhibition of 12–O–tetradecanoylphorbol–13–acetate–mediated epidermal ornithine decarboxylase induction and skin tumor promotion by new lipoxygenase inhibitors lacking protein kinase C inhibitory effects. Aizu E, et al. **Carcinogenesis** 1986 Nov;7(11):1809–12

The effects of metyrapone, chalcone epoxide, benzil, clotrimazole and related compounds on the activity of microsomal epoxide hydrolase in situ, in purified form and in reconstituted systems towards different substrates. Seidegård J, et al. **Eur J Biochem** 1986 Sep 1;159(2):415–23

Increase by 5–hydroxykynuramine of spontaneous acetylcholine release from myenteric neurons: mediated by serotonin M receptors. Pfeuffer–Friederich I, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):225–9

Bupropion. Effects on cerebral monoamines in rat and on blood pressure in dog. Cicardo VH, et al. **Gen Pharmacol** 1986;17(6):711–4

Kinetics of methaemoglobin production. (2). Kinetics of the cyanide antidote p–aminopropiophenone during oral administration. Bright JE, et al. **Hum Toxicol** 1986 Sep; 5(5):303–7

Effect of p–aminopropiophenone (PAPP), a cyanide antidote, on cyanide given by intravenous infusion. Bright JE, et al. **Hum Toxicol** 1987 Mar;6(2):133–7

Effect on blood and plasma cyanide levels and on methaemoglobin levels of cyanide administered with and without previous protection using PAPP. Marrs TC, et al. **Hum Toxicol** 1987 Mar;6(2):139–45

Synthesis and antifungal activity of a series of novel 1,2–disubstituted propenones. Ogata M, et al. **J Med Chem** 1987 Aug;30(8):1497–502

Effect of sofalcone on the gastric cell proliferation in the experimental gastritis of rats. Kohno Y, et al. **Jpn J Pharmacol** 1987 Apr;43(4):407–13

Inhibition of 15–hydroxy prostaglandin dehydrogenase and increase of prostaglandin E2: effect of sofalcone on rat gastric mucosa. Muramatsu M, et al. **Life Sci** 1987 Jul 20; 41(3):315–22

Down regulation of beta–receptors by bupropion and its major metabolite in mouse brain. Perumal AS, et al. **Neuropharmacology** 1986 Dec;25(12):1323–6

Methcathinone: a new and potent amphetamine–like agent. Glennon RA, et al. **Pharmacol Biochem Behav** 1987 Mar; 26(3):547–51

Molluscicidal activities of some synthetic chalcones. Adewunmi CO, et al. **Planta Med** 1987 Feb;53(1):110–2

Effect of sofalcone on gastric mucosal prostaglandin metabolism in taurocholate induced gastritis in rats. Muramatsu M, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):289–300

Effect of sofalcone on acute gastric mucosal lesions induced by aspirin and ethanol in reference to the biosynthesis of gastric mucosal glycoprotein. Muramatsu M, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):321–37

THERAPEUTIC USE

Bupropion effects in attention deficit and conduct disorders. Simeon JG, et al. **Can J Psychiatry** 1986 Aug;31(6):581–5

Bupropion treatment of refractory depression [letter] Katz SE. **J Clin Psychopharmacol** 1987 Feb;7(1):51–2

Role of ONO–3144, a new cardioplegic agent, in the reoxygenation injury in the anoxic myocardium. Kobayashi H, et al. **Jpn Circ J** 1987 Apr;51(4):421–30

A double–blind trial of bupropion in children with attention deficit disorder. Casat CD, et al. **Psychopharmacol Bull** 1987;23(1):120–2

The effect of bupropion on prolactin in a patient with a pituitary microadenoma. Harsch HH. **Psychopharmacology (Berlin)** 1987;92(3):402

[Controlled study of increasing venous tone in primary varicose veins by oral administration of Ruscus aculeatus and trimethylhespiridinchalcone] Weindorf N, et al. **Z Hautkr** 1987 Jan 1;62(1):28–38 (Eng. Abstr.) **(Ger)**

[Remission of left bundle–branch block with oxyfedrine. Report of 5 cases] de Almeida PJ. **Arq Bras Cardiol** 1986 May;46(5):353–7 (Eng. Abstr.) **(Por)**

[Bronchial obturation by broncholiths as a cause of recurrent bronchopulmonary inflammatory processes and late recognition of the basic disease] Brikmanis EP, et al. **Ter Arkh** 1987;59(3):95–7 (Eng. Abstr.) **(Rus)**

PROPITOCAINE see **PRILOCAINE**

PROPLAST see under **POLYTETRAFLUOROETHYLENE**

PROPOLIS see under **RESINS**

PROPOXUR see **APROCARB**

PROPOXYCAINE

ADVERSE EFFECTS

Keratitis associated with the use of proparacaine hydrochloride. Brent MH, et al. **Can Med Assoc J** 1987 Feb 15;136(4):380–1

PROPOXYPHENE

Anorectal ulceration due to abuse of dextropropoxyphene and paracetamol suppositories [letter] Fenzy A, et al. **J R Soc Med** 1987 Jan;80(1):62

ADMINISTRATION & DOSAGE

Effect of pretreatment with acetaminophen–propoxyphene for oral surgery pain. Liashek P Jr, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):99–103

ADVERSE EFFECTS

Multiple myeloma: relation to propoxyphene and other drugs, radiation and occupation. Friedman GD. **Int J Epidemiol** 1986 Sep;15(3):424–6

Atypical withdrawal syndrome due to propoxyphene. Bikadoroff S, et al. **Isr J Psychiatry Relat Sci** 1986; 23(2):157–9

Naloxone treatment [letter] Cellucci PK, et al. **J Emerg Med** 1987 Jul–Aug;5(4):339

[Anorectal stenosis caused by suppositories of dextropropoxyphene and paracetamol (Diantalvic)] Hemet J, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):517–20 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Pain relief after arthroscopy: naproxen sodium compared to propoxyphene napsylate with acetaminophen. Drez D Jr, et al. **South Med J** 1987 Apr;80(4):440–3

ANTAGONISTS & INHIBITORS

Effects of prenalterol on central hemodynamics and myocardial metabolism in experimental propoxyphene–induced shock. Häggmark S, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):52–6

PHARMACODYNAMICS

Potentiation of propoxyphene by phenelzine [letter] Garbutt JC. **Am J Psychiatry** 1987 Feb;144(2):251–2

Specificity of the inhibitory effect of dextropropoxyphene on oxidative drug metabolism in man: effects on theophylline and tolbutamide disposition. Robson RA, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):772–5

POISONING

Poisoning with dextropropoxyphene in Denmark. Segest E. **Hum Toxicol** 1987 May;6(3):203–7

[Deaths due to dextropropoxyphene in Jutland in 1985] Kaa E, et al. **Ugeskr Laeger** 1987 Jun 8;149(24):1629–34 (Eng. Abstr.) **(Dar)**

[Dextropropoxyphene poisoning] Melsen NC, et al. **Ugeskr Laeger** 1987 Jun 8;149(24):1634–7 (Eng. Abstr.) **(Dan)**

[Deaths due to dextropropoxyphene] Segest E. **Ugeskr Laeger** 1987 Jun 8;149(24):1640–3 (Eng. Abstr.) **(Dan)**

[Dextropropoxyphene poisoning. Hospital admissions in 1983–1984] Segest E. **Ugeskr Laeger** 1987 Jun 8; 149(24):1637–40 (Eng. Abstr.) **(Dan)**

[Propoxyphene poisoning] Giesbert A. **Beitr Gerichtl Med** 1986;44:277–80 (Eng. Abstr.) **(Ger)**

[Severe poisoning caused by Dolo–Neurotrate in a child] Püschel WC. **Med Klin** 1987 Feb 13;82(3):127–9 **(Ger)**

THERAPEUTIC USE

Analgesic efficacy of paracetamol/codeine and paracetamol/dextropropoxyphene in pain after episiotomy and ruptures in connection with childbirth. Jacobson J, et al. **J Int Med Res** 1987 Mar–Apr;15(2):89–95

Analgesic efficacy and side–effect profile of paracetamol/codeine and paracetamol/dextropropoxyphene after surgical removal of a lower wisdom tooth. Sagne S, et al. **J Int Med Res** 1987 Mar–Apr;15(2):83–8

D–PROPOXYPHENE see **PROPOXYPHENE**

PROPOXYPHENE NAPSYLATE see under **PROPOXYPHENE**

PROPOXYPROCAINE see **PROPOXYCAINE**

PROPRANOLOL

Stability of propranolol hydrochloride suspension and solution compounded from injection or tablets. Das Gupta V, et al. **Am J Hosp Pharm** 1987 Feb;44(2):360–1

ADMINISTRATION & DOSAGE

Comparative effects of intracoronary administration of propranolol with systemic administration on hypoxic canine myocardium. Kojima S, et al. **Am Heart J** 1986 Nov;112(5):1011–6

Propranolol in cardiac arrhythmias: a comparative study of the conventional and long–acting formulations. Kubik MM, et al. **Curr Med Res Opin** 1986;10(4):215–20

Long–acting propranolol in the prophylaxis of migraine. Diamond S, et al. **Headache** 1987 Feb;27(2):70–2

Comparison of a long–acting form of propranolol and conventional propranolol in the treatment of hypertension in elderly patients. Khan AU. **J Int Med Res** 1987 May–Jun;15(3):128–33

Equal anti–ischemic properties of isosorbide dinitrate plus verapamil and isosorbide dinitrate plus propranolol. A randomized, double–blind and crossover study. Silber S, et al. **Z Kardiol** 1986;75 Suppl 3:100–5

[A case of malignant pheochromocytoma complicated with severe paralytic ileus: in special reference to the long–term treatment with parenteral alpha and beta adrenoreceptor blockers] Sugawara T, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):951–6 **(Jpn)**

[Long–term use of prazosin alone and combined with propranolol in patients with essential hypertension] Prokopova TN, et al. **Kardiologiia** 1986 Dec;26(12):81–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Ventricular dysrhythmias in middle–aged hypertensive men treated either with a diuretic agent or a beta–blocker. Ragnarsson J, et al. **Acta Med Scand** 1987;221(2):143–8

Orthostatic hypotension due to quinidine and propranolol [letter] Kinney EL. **Am J Med** 1987 Jun;82(6):1276–7

Orthostatic hypotension due to quinidine and propranolol [published erratum appears in Am J Med 1987 Apr;82(4):870] Loon NR, et al. **Am J Med** 1986 Dec; 81(6):1101–4

Manic episode after propranolol withdrawal [letter] Jouvent R, et al. **Am J Psychiatry** 1986 Dec;143(12):1633

Propranolol, epinephrine, and accelerated hypertension during hemodialysis [letter] Whelan TV. **Ann Intern Med** 1987 Feb;106(2):327

Effect of prazosin and propranolol on lipoproteins of hypertensive patients. Hurt E, et al. **Biomed Biochim Acta** 1987;46(1):111–8

Oesophageal pain exacerbated by propranolol. Bassotti G, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1655

The metabolic effects of enalapril. Malini PL, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):675–9

Survival analysis of adverse effects data in the Beta–Blocker Heart Attack Trial. Davis BR, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):611–5

Severe hypertension, propranolol, and acute pulmonary edema. Desai SP, et al. **Crit Care Med** 1987 Aug; 15(8):799–800

Paradoxical aggressive effect of propranolol in a patient with Huntington's disease [letter] Stewart JT. **J Clin Psychiatry** 1987 Sep;48(9):385–6

Propranolol–induced hyperthyroxinemia in a patient with an autonomous thyroid nodule. Charkes ND, et al. **J Fam Pract** 1987 Aug;25(2):171–3

Systemic haemodynamics, renal and platelet function during chronic propranolol administration in patients with compensated cirrhosis. Meacci E, et al. **Liver** 1987 Apr; 7(2):110–5

Propranolol and depression: a reevaluation based on a pilot clinical trial. Stoudemire A, et al. **Psychiatr Med** 1984 Jun; 2(2):211–8

Central origin of respiratory arrest in beta–blocker intoxication in rats. Langemeijer JJ, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):399–407

[Propranolol and somnambulism (letter)] Pradalier A, et al. **Therapie** 1986 Jul–Aug;41(4):318 **(Fre)**

ANALOGS & DERIVATIVES

In vitro pharmacologic activity of congener derivatives and model conjugates of propranolol and practolol. Khan MM, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2175–82

Chemical and stereochemical aspects of propranolol metabolism. Diastereomeric 1–(1–hydroxy–2–propylamino)–3–(1–naphthoxy)–2–propanols produced by rat liver microsomal omega–hydroxylation. Shetty HU, et al. **J Med Chem** 1986 Oct;29(10):2004–8

Comparative studies with the enantiomers of the glycol metabolite of propranolol and their effects on the cardiac beta–adrenoceptor. Ogg GD, et al. **J Pharm Pharmacol** 1987 May;39(5):378–83

Involvement of brain transmitters in the modulation of shock–induced aggression in rats by propranolol and related drugs. Ray A, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):229–34

[Effects of pranolium on action potentials of myocardiac cells and on aconitine–induced arrhythmias] Liu TF, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):258–60 (Eng. Abstr.) **(Chi)**

ANALYSIS

Concentration of D–propranolol in cervico–vaginal mucus: targeting of a novel spermicide. Pearson RM, et al. **Adv Contracept** 1985 Mar;1(1):103–8

Versatile isocratic high–performance liquid chromatographic assay for propranolol and its basic, neutral and acidic metabolites in biological fluids. Kwong EC, et al. **J Chromatogr** 1987 Mar 6;414(2):365–79

[Spectrophotometric determination of propranolol hydrochloride as bromthymol blue ion pairs in tablets] Radulović D, et al. **Pharmazie** 1986 Jun;41(6):434 **(Ger)**

[The binding of propranolol, dihydralazine and selected metabolites to adsorbent resins for hemoperfusion] Schneider T, et al. **Pharmazie** 1986 Oct;41(10):742–3 **(Ger)**

[Quantitative determination of optical isomers of pindolol and propranolol using a GITC reagent] Kushiya M, et al. **Eisei Shikenjo Hokoku** 1986;(104):103–8 (Eng. Abstr.) **(Jpn)**

BLOOD

Rapid high–performance liquid chromatographic method for the determination of propranolol in plasma. Smith KA, et al. **Analyst** 1987 Apr;112(4):407–9

Acute effects of halothane anesthesia on arterial and venous concentrations of propranolol in the dog. Gordon L, et al. **Anesthesiology** 1987 Aug;67(2):225–30

Influence of hydralazine on the pharmacokinetics of orally administered d–propranolol and lidocaine in conscious dogs. Heinzow BG, et al. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):5–14

Plasma concentrations and bioavailability of propranolol by oral, rectal, and intravenous administration in man. Cid E, et al. **Biopharm Drug Dispos** 1986 Nov–Dec;7(6):559–66

Effect of surgery on serum alpha 1–acid glycoprotein concentration and serum protein binding of DL–propranolol in phenobarbital–treated and untreated rats. Lin TH, et al. **Drug Metab Dispos** 1987 Jan–Feb; 15(1):138–40

Plasma propranolol levels and their effect on plasma thioridazine and haloperidol concentrations. Greendyke RM, et al. **J Clin Psychopharmacol** 1987 Jun;7(3):178–82

SKF 525A displaces drugs from serum alpha 1–acid glycoprotein binding sites. Belpaire FM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):628–30

Loss of propranolol during ultrafiltration in plasma protein binding studies. Parsons DL, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec;54(3):405–8

[Densitometric determination of desacetylmetipranolol in blood plasma] Peterková M, et al. **Cesk Farm** 1986 Dec; 35(10):456–7 (Eng. Abstr.) **(Cze)**

[Pharmacokinetic characteristics of propranolol in patients with a history of acute myocardial infarct] Katrukha SP, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):87–9 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Provocative dose and dose–response curve to inhaled propranolol in asthmatic patients with bronchial hyperresponsiveness to methacholine. Foresi A, et al. **Chest** 1987 Sep;92(3):455–9

A new method of inhalation challenge with propranolol: comparison with methacholine–induced bronchoconstriction and role of vagal nerve activity. Okayama M, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):291–9

Propranolol does not impair exercise oxygen uptake in normal men at high altitude. Moore LG, et al. **J Appl Physiol** 1986 Nov;61(5):1935–41

[Differing acute effects of propranolol on the hypertensive heart during exercise] Purfürst WD, et al. **Z Kardiol** 1986 Aug;75(8):489–95 (Eng. Abstr.) **(Ger)**

[Rapid atrial stimulation test after pharmacologic blockade of the autonomic nervous system in symptomatic and asymptomatic sick sinus syndrome] Piwowarska W, et al. **Kardiol Pol** 1986;29(11–12):756–60 (Eng. Abstr.) **(Pol)**

[Evaluation of the rapid atrial stimulation test after pharmacologic blockade with propranolol and atropine] Piwowarska W, et al. **Kardiol Pol** 1986;29(11–12):761–70 (Eng. Abstr.) **(Pol)**

[Effect of propranolol on ECG and triglyceride and noradrenaline levels in the blood during long–term physical exertion in patients with coronary disease] Ziółkowski L, et al. **Przegl Lek** 1986;43(11):706–11 (Eng. Abstr.) **(Pol)**

[Changes in plasma AGL during physical effort: effects of nifedipine, propranolol and a combination of propranolol and nifedipine on these changes] Pompilian V, et al. **Rev Med Interna [Med Interna]** 1986 Jul–Aug;38(4):319–21 **(Rum)**

[Pharmacological tests in the diagnosis of heart diseases] Skorobogatyĭ AM. **Vrach Delo** 1986 Aug;(8):26–30 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Adsorption of antihypertensives by suspensoids. Part I. The adsorption of propranolol hydrochloride by attapulgite, charcoal, kaolin and magnesium trisilicate. Al–Gohary O, et al. **Pharm Acta Helv** 1987;62(3):66–72

METABOLISM

Binding of propranolol and gentamicin to small unilamellar phospholipid vesicles. Contribution of ionic and hydrophobic forces. Kubo M, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3761–5

Irreversible binding and metabolism of propranolol by human liver microsomes—relationship to polymorphic oxidation. Shaw L, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2283–8

Partial metabolic clearances as determinants of the oral bioavailability of propranolol. Walle T, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):317–23

Pharmacokinetics of long acting propranolol. Implications for therapeutic use. Nace GS, et al. **Clin Pharmacokinet** 1987 Jul;13(1):51–64 (57 ref.)

Increased clearance of propranolol and theophylline by high–protein compared with high–carbohydrate diet. Fagan TC, et al. **Clin Pharmacol Ther** 1987 Apr;41(4):402–6

Food effects on propranolol systemic and oral clearance: support for a blood flow hypothesis. Olanoff LS, et al. **Clin Pharmacol Ther** 1986 Oct;40(4):408–14

The formation of glutathione conjugate derived from propranolol. Sasame HA, et al. **Drug Metab Dispos** 1987 May–Jun;15(3):349–55

Influence of physical exercise on the pharmacokinetics of propranolol. Arends BG, et al. **Eur J Clin Pharmacol** 1986; 31(3):375–7

Concentration kinetics of propranolol, bisoprolol, and atenolol in humans assessed with chemical detection and a subtype–selective beta–adrenoceptor assay. Wellstein A, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S41–5

Chemical and stereochemical aspects of propranolol metabolism. Diastereomeric 1–(1–hydroxy–2–propylamino)–3–(1–naphthoxy)–2–propanols produced by rat liver microsomal omega–hydroxylation. Shetty HU, et al. **J Med Chem** 1986 Oct;29(10):2004–8

Factors affecting the milk–to–plasma drug concentration ratio in lactating women: physical interactions with protein and fat. Fleishaker JC, et al. **J Pharm Sci** 1987 Mar; 76(3):189–93

Pharmaceutical evaluation of hollow type suppositories. IV. Improvement of bioavailability of propranolol in rabbits after rectal administration. Watanabe Y, et al. **J Pharmacobiodyn** 1986 Jun;9(6):526–31

Selective induction of propranolol metabolism by smoking: additional effects on renal clearance of metabolites. Walle T, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):928–33

Altered S(−)–propranolol disposition in bilateral ureter–ligated rats. Laganière S, et al. **Nephron** 1987; 46(3):305–11

Barbiturate and ethanol sleeping times and pharmacokinetics of propranolol in mice after intravenous administration of haem arginate. Tokola O. **Pharmacol Toxicol** 1987 Jan; 60(1):51–3

[Study of bioavailability parameters of propranolol in cirrhotic patients after oral administration of the delayed–action form] Blanc M, et al. **Therapie** 1987 Mar–Apr;42(2):187–91 (Eng. Abstr.) **(Fre)**

[Stereoselective glucuronidation of beta–blocking agents, 1–tert–butylamino–3–(2,3–dimethylphenoxy)–2–propanol (D–32) and propranolol, in animals, in vivo and in vitro] Honma S, et al. **Yakugaku Zasshi** 1986 May;106(5):406–13 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Variability of negative T wave in hypertrophic cardiomyopathy: possible role of beta–adrenergic function. Sugishita Y, et al. **Acta Cardiol (Brux)** 1987;42(2):115–33

Characterization of growth hormone–releasing hormone stimulation of the endocrine pancreas: studies with alpha– and beta–adrenergic and cholinergic antagonists. Hermansen K, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):589–94

Plasma potassium and phosphate concentrations—influence by adrenaline infusion, beta–blockade and physical exercise. Ljunghall S, et al. **Acta Med Scand** 1987;221(1):83–93

The difference between non–selective and beta 1–selective beta–blockers in their effect on platelet function in migraine patients. Hedman C, et al. **Acta Neurol Scand** 1986 Dec; 74(6):475–8

Catecholaminergic influences on induced hippocampal paroxysmal activity in rats. de Campos CJ, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):233–49

Renal hemodynamic effects of tertatolol compared with those of propranolol in the conscious dog. Laubie M, et al. **Am J Nephrol** 1986;6 Suppl 2:20–4

Specific alpha 1–, alpha 2–, and beta–responses to norepinephrine in pyruvate–perfused rat kidneys. Baines AD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F170–6

Central adrenergic mechanisms in hemorrhage–induced vasopressin secretion. Brooks DP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1158–62

Adrenergic modulation of potassium metabolism during exercise in normal and diabetic humans. Castellino P, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E68–76

Postpropranolol vasodilation in adrenalectomized glucocorticoid hypertensive rats. DiPette DJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1243–8

Myocardial adaptation to chronic propranolol therapy in normal rats. Fein FS, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H444–53

Elevation of thioridazine plasma levels by propranolol. Silver JM, et al. **Am J Psychiatry** 1986 Oct;143(10):1290–2

The effects of beta–adrenergic drugs on the human sperm motility in vitro. I. The effects of propranolol and isoprenaline. Semczuk M. **Andrologia** 1987 Jun;19 Spec No:256–61

The effect of beta–adrenergic blockade on the cardiovascular response to diltiazem or verapamil in dogs. Sullivan KB, et al. **Anesth Analg** 1986 Nov;65(11):1099–106

Propranolol reduces bupivacaine clearance. Bowdle TA, et al. **Anesthesiology** 1987 Jan;66(1):36–8

The cardiovascular and adrenergic actions of verapamil or diltiazem in combination with propranolol during halothane anesthesia in the dog. Kapur PA, et al. **Anesthesiology** 1987 Feb;66(2):122–9

Amrinone and verapamil–propranolol induced cardiac depression during isoflurane anesthesia in dogs. Makela VH, et al. **Anesthesiology** 1987 Jun;66(6):792–7

Effect of pindolol and propranolol on sinus node recovery time and atrioventricular conduction intervals. Kostis JB, et al. **Angiology** 1987 Jun;38(6):427–33

The effect of propranolol and verapamil on atrial and atrioventricular refractory periods in man. Silvertssen E, et al. **Angiology** 1975 Sep;26(8):605–18

Canine cardiovascular responses to endotracheally and intravenously administered atropine, isoproterenol, and propranolol. Scott B, et al. **Ann Emerg Med** 1987 Jan; 16(1):1–10

Influence of propranolol on the acute thermic effect of feeding in man. Morgan JB, et al. **Ann Nutr Metab** 1986; 30(6):386–92

Labetalol protects against the potentiation by propranolol of the bronchospasm to norepinephrine in guinea–pigs. Kreutner W, et al. **Arch Int Pharmacodyn Ther** 1987 Jan; 285(1):117–28

Regional hemodynamic effects of the beta–adrenoceptor blockers tertatolol and propranolol in conscious spontaneously hypertensive rats. Nievelstein HM, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):118–29

Lung function and respiratory muscle strength after propranolol in thyrotoxicosis. Wang YT, et al. **Aust NZ J Med** 1986 Aug;16(4):496–500

Effect of propranolol on the activity of neutral, alkaline and acidic proteases in rat myocardium after aortic stenosis. Kwiatkowska–Patzer B, et al. **Basic Res Cardiol** 1987 Jan–Feb;82(1):18–23

Modifications of phospholipid metabolism induced by chlorpromazine, desmethylimipramine and propranolol in C6 glioma cells. Leli U, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):31–7

Inhibition of purified bovine milk lipoprotein lipase by propranolol and other beta–adrenergic blockers in vitro. Kubo M, et al. **Biochim Biophys Acta** 1987 Apr 3; 918(2):168–74

The effect of propranolol on protein synthesis and phagocytosis by polymorphonuclear leukocytes from newborn, children and elderly individuals. Straussberg–Djaldetti R, et al. **Biomed Pharmacother** 1986; 40(7):265–9

alpha– and beta–adrenergic control of thermogenin mRNA expression in brown adipose tissue. Jacobsson A, et al. **Biosci Rep** 1986 Jul;6(7):621–31

Propranolol apparently separates the physical and compositional characteristics of muscle growth induced by clenbuterol. Maltin CA, et al. **Biosci Rep** 1987 Jan;7(1):51–7

The effects of propranolol and metoprolol on skin blood flow in diabetic patients. Hyer SL, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):769–71

The effects of oral nitrendipine and propranolol, alone and in combination, on hypertensive patients with special reference to AV conduction. Maltz MB, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):463–7

Effects of indomethacin and (+/−)–propranolol on the cardiovascular and renin responses to vasoactive intestinal polypeptide (VIP) infusion in man. Unwin RJ, et al. **Br J Clin Pharmacol** 1987 May;23(5):523–8

Comparison of the effects of penbutolol and propranolol on glomerular filtration rate in hypertensive patients with impaired renal function. van der Meulen J, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):469–74

Pharmacodynamics and pharmacokinetics of single doses of ketanserin and propranolol alone and in combination in healthy volunteers. Williams FM, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):301–8

Failure of enhancement by labetalol of bronchopulmonary effects of histamine in guinea–pigs: independence of alpha–adrenoceptor antagonism. Clerici C, et al. **Br J Pharmacol** 1987 Jul;91(3):487–92

Inhibition by propranolol of the contractile response of the rat diaphragm to tetanic field stimulation in vitro. Drazen JM, et al. **Br J Pharmacol** 1983 Dec;80(4):613–8

Effect of adrenoceptor blockers on the acinar enlargement induced by Chagas' disease in the rat submandibular glands. Alves JB, et al. **Braz J Med Biol Res** 1986;19(1):69–73

Mechanism of peripheral pain in the conscious guinea pig: effect of propranolol. Nakamura M, et al. **Braz J Med Biol Res** 1986;19(3):451–3

Effects of d,l–propranolol and haloperidol on aggressive behavior induced in mice by isolation and isolation plus amphetamine treatment. Poli A, et al. **Braz J Med Biol Res** 1986;19(3):411–7

Stimulation of Na+ pump in cardiac myocytes and intact ventricles by low doses of digitaloids is independent of beta–adrenergic stimulation. Bihler I, et al. **Can J Cardiol** 1986 Jul–Aug;2(4):230–5

Failure of propranolol to prevent chronic hyperthyroid induced cardiac hypertrophy and multifocal cellular necrosis in the rat. Gerdes AM, et al. **Can J Cardiol** 1985 Sep–Oct;1(5):340–5

Nonstereoselective aspects of propranolol pharmacodynamics. Alkondon M, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1455–62 (97 ref.)

Enhancement by propranolol of the inhibitory effect of tetragastrin on gastric carcinogenesis induced by N–methyl–N'–nitro–N–nitrosoguanidine in Wistar rats. Tatsuta M, et al. **Cancer Res** 1987 Jan 1;47(1):111–4

Influence of propranolol on acidosis and high energy phosphates in ischaemic myocardium of the rabbit. Malloy

CR, et al. **Cardiovasc Res** 1986 Oct;20(10):710–20

Propranolol treatment externalizes beta-adrenergic receptors in guinea pig myocardium and prevents further externalization by ischemia. Maisel AS, et al. **Circ Res** 1987 Jan;60(1):108–12

The renal, forearm, and hormonal responses to standing in the presence and absence of propranolol. Bakris GL, et al. **Circulation** 1986 Nov;74(5):1061–5

Effects of propranolol, atenolol, and chlordesmethyldiazepam on response to mental stress in patients with recent myocardial infarction. Mazzuero G, et al. **Clin Cardiol** 1987 Jun;10(6):293–302

Effect of propranolol and indomethacin on the depressor action of captopril in patients with essential hypertension. Seto S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):623–7

Dynamic exercise-induced increase in lymphocyte beta-2-adrenoceptors: abnormality in essential hypertension and its correction by antihypertensives. Brodde OE, et al. **Clin Pharmacol Ther** 1987 Apr; 41(4):371–9

Bromazepam pharmacokinetics: influence of age, gender, oral contraceptives, cimetidine, and propranolol. Ochs HR, et al. **Clin Pharmacol Ther** 1987 May;41(5):562–70

The interactions of propranolol and ketanserin. Ochs HR, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):55–60

Hemodynamic interaction of nonselective vs. beta-1-selective beta-blockade with hydralazine in normal humans. Reeves RA, et al. **Clin Pharmacol Ther** 1987 Mar; 41(3):326–35

Contractile properties of the human triceps surae following prolonged exercise and beta-blockade. Alway SE, et al. **Clin Physiol** 1987 Apr;7(2):151–63

The effects of beta-blockade on electrically stimulated contraction in fatigued human triceps surae muscle. Hughson RL, et al. **Clin Physiol** 1987 Apr;7(2):133–50

Hypocapnia and hypercapnia in the dog: effects on myocardial blood-flow and haemodynamics during beta- and combined alpha- and beta-adrenoceptor blockade. Wexels JC, et al. **Clin Physiol** 1987 Feb;7(1):21–33

Short-term effects of beta-adrenoceptor blocking drugs on plasma lipoproteins in normal men: is there a case? [letter] [published erratum appears in Clin Sci 1986 Dec;71(6):following xxi] Fagher B, et al. **Clin Sci** 1986 Oct; 71(4):461–2

Comparison of the potency of d-propranolol, chlorhexidine and nonoxynol-9 in the Sander-Cramer test. Chijioke PC, et al. **Contraception** 1986 Aug;34(2):207–11

Developmental changes in the effects of beta-adrenergic blocking concentrations of propranolol on canine Purkinje fibers. Spinelli W, et al. **Dev Pharmacol Ther** 1986; 9(6):412–26

Effect of propranolol on alpha-amino-isobutyric acid and water kinetics in the materno-fetal unit of the rat. Ventura MA, et al. **Dev Pharmacol Ther** 1986;9(4):266–81

Adrenergic regulation of beta-endorphin secretion from anterior pituitary in conscious rats: effects of thyroid state. Ishac EJ, et al. **Endocrinology** 1987 Mar;120(3):1073–8

Pathophysiology of equine postoperative ileus: effect of adrenergic blockade, parasympathetic stimulation and metoclopramide in an experimental model. Gerring EE, et al. **Equine Vet J** 1986 Jul;18(4):249–55

Effects of propranolol on cardiopulmonary function in the pony during submaximal exercise. Sexton WL, et al. **Equine Vet J** 1986 Nov;18(6):485–9

Effect of pretreatment with propranolol on intra-ocular pressure changes during induction of anaesthesia. Cook JH, et al. **Eur J Anaesthesiol** 1986 Nov;3(6):449–57

Effects of thyroid hormone and beta-adrenoceptor blocking agents on urinary excretion of 3-methylhistidine and plasma amino acids in man. Adlerberth A, et al. **Eur J Clin Invest** 1986 Aug;16(4):316–20

The effect of propranolol on urinary prostaglandin E2 after frusemide administration in healthy subjects. Fujimura A, et al. **Eur J Clin Pharmacol** 1987;31(5):605–7

The effect of propranolol on the rise in plasma ammonia during modest exercise. Hall PE, et al. **Eur J Clin Pharmacol** 1987;32(2):149–51

Peripheral vascular effects of bufuralol in hypertensive and normal subjects: a comparison with propranolol and pindolol. Johnston GD, et al. **Eur J Clin Pharmacol** 1986; 30(6):649–52

Haemodynamic effects of atenolol, pindolol and propranolol during adrenaline infusion in man. Rehling M, et al. **Eur J Clin Pharmacol** 1986;30(6):659–63

The effect of propranolol on exercise induced tachycardia is determined by plasma concentration and the density of adrenergic receptors on leukocytes. Tawara K, et al. **Eur J Clin Pharmacol** 1987;31(6):667–72

(-)-Propranolol blocks the inhibition of serotonergic dorsal raphe cell firing by 5-HT1A selective agonists. Sprouse JS, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):295–8

Effects of d,l-propranolol on apomorphine induced stereotyped behavior in rats. Poli A, et al. **Gen Pharmacol** 1987;18(2):149–52

Effect of propranolol on the metabolism of thyroid hormones. Dauncey MJ, et al. **Horm Metab Res** 1987 Mar;19(3):93–5

Kaluresis independent K-homeostasis: glucagon and B receptor blockade in pancreatectomized dogs. Hiatt N, et al. **Horm Metab Res** 1986 Nov;18(11):739–42

Inhibition of nuclear polyploidy by propranolol in aortic smooth muscle cells of hypertensive rats. Leitschuh M, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III106–9

Effect of timolol on intra-ocular pressure in the presence of systemic propranolol in healthy subjects. Sud RN, et al. **Indian J Ophthalmol** 1985 Jul-Aug;33(4):225–7

Beta-adrenoceptor blockade and cardiovascular response to the cold pressor test. Dikshit MB, et al. **Indian J Physiol Pharmacol** 1986 Jan-Mar;30(1):1–10

Dietary thermogenesis in obesity. Response to carbohydrate and protein meals: the effect of beta-adrenergic blockade and semistarvation. Zed C, et al. **Int J Obes** 1986; 10(5):391–405

Is there coronary vasoconstriction after intracoronary beta-adrenergic blockade in patients with coronary artery disease. Gaglione A, et al. **J Am Coll Cardiol** 1987 Aug; 10(2):299–310

The effects of beta-adrenergic blockade on body composition in free-fed and diet-restricted rats. Ji LL, et al. **J Am Coll Nutr** 1987 Apr;6(2):175–7

The chronic effects of beta-adrenoreceptor antagonists on the efflux of tritiated noradrenaline from sympathetic nerves of the pithed rat. Draper AJ, et al. **J Auton Pharmacol** 1986 Dec;6(4):259–68

Effect of propranolol, alprenolol, pindolol, and bopindolol on beta 2-adrenoceptor density in human lymphocytes. Brodde OE, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S70–3

Effects of metoprolol, alone and in combination with lidocaine, on ventricular fibrillation threshold: comparison with atenolol, propranolol, and pindolol. Coram WM, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):611–21

Nifedipine-propranolol interaction: dependence of cardiovascular effects on plasma drug concentrations. Hamann SR, et al. **J Cardiovasc Pharmacol** 1987 Aug; 10(2):182–9

Early posthypoglycemic insulin resistance in man is mainly an effect of beta-adrenergic stimulation. Attvall S, et al. **J Clin Invest** 1987 Aug;80(2):437–42

Effects of catecholaminergic blockade by haloperidol or propranolol at different stages of the oestrous cycle on ovulation and gonadotrophin levels in the rat. Dominguez R, et al. **J Endocrinol** 1987 Apr;113(1):37–44

Effects of beta non-selective and beta 1 selective adrenergic blocking agents on glucagon secretion from isolated perfused rat pancreas. Gregorio F, et al. **J Endocrinol Invest** 1986 Jun;9(3):209–15

Effect of betablockade on dynamic exercise in human heart transplant recipients. Yusuf S, et al. **J Heart Transplant** 1985 May;4(3):312–4

Effects of alpha-adrenergic stimulation and beta-adrenergic blockade on azygos blood flow and splanchnic haemodynamics in patients with cirrhosis. Mastai R, et al. **J Hepatol** 1987 Feb;4(1):71–9

Reversal of adrenaline-induced increase in azygos blood flow in patients with cirrhosis receiving propranolol. Valla D, et al. **J Hepatol** 1987 Feb;4(1):86–92

Enhanced blood pressure response to isometric handgrip exercise in patients with essential hypertension: effects of propranolol and prazosin. Hamada M, et al. **J Hypertens** 1987 Jun;5(3):305–9

Acute central and renal haemodynamic responses to tertatolol and propranolol in patients with arterial hypertension following head injury. Leeman M, et al. **J Hypertens** 1986 Oct;4(5):581–7

Beta-adrenergic blockade: augmentation of neutrophil-mediated inflammation. Weisdorf DJ, et al. **J Lab Clin Med** 1987 Feb;109(2):120–6

Tissue cholinesterase inhibition by propranolol and related drugs. Alkondon M, et al. **J Pharm Pharmacol** 1986 Nov; 38(11):848–50

Effects of propranolol on tissue necrosis in experimental myocardial infarction in dogs. Tsuchida K, et al. **J Pharmacobiodyn** 1986 Oct;9(10):836–41

Interaction between oral hydralazine and propranolol. II. Assessment of altered splanchnic blood flow as the determinant of altered presystemic extraction. Corbett H, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):517–21

Effects of pindolol and propranolol on beta adrenergic receptors on human lymphocytes. Hedberg A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):117–23

Effects of propranolol on regional O2 supply and O2 consumption in reperfused dog myocardium. Joselevitz-Goldman J, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):102–7

Influence of propranolol coadministration or cigarette smoking on the kinetics of desmethyldiazepam following intravenous clorazepate. Ochs HR, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1217–21

Propranolol blocks the extrasynaptic nicotinic receptors on the intramural cardiac ganglion cells. Ikeda K, et al. **Kurume Med J** 1986;33(2):117–9

Effects of propranolol, clonidine and hydrochlorothiazide treatment and abrupt discontinuation on central and peripheral noradrenergic activity in essential hypertension. Cubeddu LX, et al. **Life Sci** 1986 Dec 22;39(25):2463–74

Intestinal iron absorption during turpentine sterile inflammation in the rat. Influences of isoproterenol and propranolol. Gutnisky A, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):23–6

(-)-Propranolol and (+/-)-cyanopindolol are mixed agonists-antagonists at serotonin autoreceptors in the hippocampus of the rat brain. Maura G, et al. **Neuropharmacology** 1987 Jul;26(7A):713–7

Effect of propranolol on cortical electrical activity in conscious and anesthetized rats. Torbati D. **Neuropharmacology** 1986 Nov;25(11):1251–4

Species differences in the changes in heart rate and T-wave amplitude after autonomic blockade in Thoroughbred horses, ponies, cows, pigs, goats and chickens. Matsui K, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):637–44

The antianxiety effect of beta-blockers on punished responding. Durel LA, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):371–4

Involvement of brain transmitters in the modulation of shock-induced aggression in rats by propranolol and related drugs. Ray A, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):229–34

Combined effect of low doses of propranolol and ethanol on cardiac function: a comparative study by radionuclide ventriculography in conscious dogs. Ahonen E, et al. **Pharmacol Toxicol** 1987 Jul;61(1):33–6

Effects of beta-adrenergic stimulation and blockade on cardiovascular reactivity, affect, and type A behavior. Krantz DS, et al. **Psychosom Med** 1987 Mar-Apr; 49(2):146–58

Effect of indomethacin and propranolol on the blood pressure and renin response to atriopeptin III in conscious rats. Flückiger JP, et al. **Regul Pept** 1987 May;17(5):277–84

Evaluation of alpha-adrenergic cardiac stimulation in anesthetized dogs: can this play a role in propranolol insensitive cardiostimulatory effects of celiprolol. Jolly SR, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):339–54

The effect of noradrenaline on the contractile response of the urinary bladder. An in vitro study in man and cat. Amark P, et al. **Scand J Urol Nephrol** 1986;20(3):203–7

Direct effect of high-dose insulin on the depressed heart after beta-blockade or ischemia. Krukenkamp I, et al. **Thorac Cardiovasc Surg** 1986 Oct;34(5):305–9

DL-propranolol inhibits the vascular changes in the rat carotid body induced by long-term hypoxia. Pequignot JM, et al. **Virchows Arch [A]** 1987;411(4):331–6

Re-examination of the effect of beta-adrenergic blocking agents on the proliferation of rat jejunal crypt cells using the stathmokinetic method. Maurer-Schultze B, et al. **Virchows Arch [B]** 1987;52(5):467–77

[Comparison of the effects of propranolol on the action potentials of normal and hypoxic myocardial cells] Li ZY. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):47–50 (Eng. Abstr.) **(Chi)**

[Hyperammonemia induced by propranolol in cirrhotic patients. Role of the kidney and influence of the severity of the cirrhosis] Doffoël M, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):123–7 (Eng. Abstr.) **(Fre)**

[The effect of propranolol on the anticonvulsant effect of phenobarbital in maximal electroshock in the mouse and rat] Fischer W, et al. **Pharmazie** 1986 Jun;41(6):440–1 **(Ger)**

[Exertion 2-dimensional echocardiography in the evaluation of anti-anginal drugs] Lai C, et al. **Cardiologia** 1987 Mar; 32(3):263–70 (Eng. Abstr.) **(Ita)**

[Effect of propranolol on regional oxygen balance in the ischemic canine myocardium] Sakata S, et al. **Masui** 1987 Jan;36(1):39–45 (Eng. Abstr.) **(Jpn)**

[A study on the effect of propranolol on the portal venous pressure and systemic hemodynamics in patients with chronic liver disease] Sekiyama T. **Nippon Ika Daigaku Zasshi** 1987 Apr;54(2):173–83 (Eng. Abstr.) **(Jpn)**

[Age dependent quantitative evaluations of sensitivity changes in beta adrenergic receptors to isoprenaline and propranolol] Witkowska M. **Kardiol Pol** 1986;29(7):432–9 (Eng. Abstr.) **(Pol)**

[Echo- and phonomechanocardiographic evaluation of left ventricular function and total peripheral resistance during treatment of systemic arterial hypertension with pindolol and propranolol. A comparative study] Cantarelli EL, et al. **Arq Bras Cardiol** 1986 Jan;46(1):59–63 (Eng. Abstr.) **(Por)**

[Immune reactions during treatment with propranolol] Moronescu M, et al. **Rev Med Interna [Med Interna]** 1986 Nov-Dec;38(6):531–3 **(Rum)**

[Prevention of the increase of exertional blood pressure in patients with borderline essential hypertension. Comparative study of the effects of nifedipine and/or propranolol] Pompilian V, et al. **Rev Med Interna [Med Interna]** 1986 May-Jun;38(3):213–8 (Eng. Abstr.) **(Rum)**

[Comparative study of the effect of trental, menthol and obzidan and their combinations on the function of the cardiorespiratory system in operators under extreme conditions] Makoeva LD, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):88–90 (Eng. Abstr.) **(Rus)**

[Effect of anaprilin on the humoral and cellular immune response] Ratnikov VI, et al. **Farmakol Toksikol** 1987 May-Jun;50(3):53–5 (Eng. Abstr.) **(Rus)**

[Macro- and microhemodynamics and transcapillary fluid exchange in skeletal muscle and the intestines after intra-arterial injection of obsidan and corinfar] Kostko SZ, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1310–8 (Eng. Abstr.) **(Rus)**

[Effect of beta-blockers on myocardial contractility and the pumping and diastolic functions of the heart in late middle-aged subjects] Moroz GZ. **Vrach Delo** 1987 Jan; (1):50–2 (Eng. Abstr.) **(Rus)**

POISONING

Hyperkalemic cardiac arrest during an infusion of potassium chloride following an overdose of propranolol [letter] Cox J, et al. **Resuscitation** 1986 Dec;14(4):255–6

[A myasthenic episode following intake of large amounts of a beta blocker] Kómár J, et al. **Fortschr Neurol Psychiatr** 1987 Jun;55(6):201–2 (Eng. Abstr.) (Ger)

[Propranolol poisoning] Jovanović D, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):63–6 (Scr)

THERAPEUTIC USE

Primidone and propranolol in essential tremor: a study based on quantitative tremor recording and plasma anticonvulsant levels. Dietrichson P, et al. **Acta Neurol Scand** 1987 May; 75(5):332–40

Postoperative hypertension after repair of coarctation of aorta in children: protective effect of propranolol? Leenen FH, et al. **Am Heart J** 1987 May;113(5):1164–73

Comparison of ethmozine to propranolol and the combination for ventricular arrhythmias. Butman SM, et al. **Am J Cardiol** 1987 Sep 1;60(7):603–7

Comparison of nitrendipine with propranolol and its use in combined cardiovascular therapy. McMahon FG. **Am J Cardiol** 1986 Sep 30;58(8):8D–11D

Comparison of the effects of pindolol and propranolol on exercise performance in patients with angina pectoris. Magder S, et al. **Am J Cardiol** 1987 Jun 1;59(15):1289–94

Comparison of nifedipine and isosorbide dinitrate when added to maximal propranolol therapy in stable angina pectoris. Nesto RW, et al. **Am J Cardiol** 1987 Aug 1; 60(4):256–61

Usefulness of isoproterenol facilitation of ventricular tachycardia induction during extrastimulus testing in predicting effective chronic therapy with beta-adrenergic blockade. Olshansky B, et al. **Am J Cardiol** 1987 Mar 1; 59(6):573–7

Ten-year effect of medical and surgical therapy on quality of life: Veterans Administration Cooperative Study of Coronary Artery Surgery. Peduzzi P, et al. **Am J Cardiol** 1987 May 1;59(12):1017–23

Comparison of selective (beta 1) and nonselective (beta 1 and beta 2) beta-adrenergic blockade on systemic and coronary hemodynamic findings in angina pectoris. Prida XE, et al. **Am J Cardiol** 1987 Aug 1;60(4):244–8

Acute hemodynamic effects of intravenous nicardipine in patients treated chronically with propranolol for coronary artery disease. Rocha P, et al. **Am J Cardiol** 1987 Apr 1; 59(8):775–81

Effect of propranolol and verapamil on oxygen utilization, acidosis and fatigue during exercise in stable angina pectoris. Roubin GS, et al. **Am J Cardiol** 1987 Aug 1; 60(4):249–55

Diltiazem versus propranolol in essential hypertension: responses of rest and exercise blood pressure and effects on exercise capacity. Szlachcic J, et al. **Am J Cardiol** 1987 Feb 15;59(5):393–9

Comparison of nifedipine and propranolol used in combination with diuretics for the treatment of hypertension. Zusman R, et al. **Am J Med** 1987 Mar 30; 82(3B):37–41

Pindolol and propranolol in neuroleptic-induced akathisia [letter] Adler LA, et al. **Am J Psychiatry** 1987 Sep; 144(9):1241–2

Comparison of propranolol, sotalol, and betaxolol in the treatment of neuroleptic-induced akathisia. Dupuis B, et al. **Am J Psychiatry** 1987 Jun;144(6):802–5

Treatment of a patient with seasonal premenstrual syndrome. Parry BL, et al. **Am J Psychiatry** 1987 Jun;144(6):762–6

Propranolol as adjunct to clonidine in opiate detoxification [letter] Roehrich H, et al. **Am J Psychiatry** 1987 Aug; 144(8):1099–100

Control of hypertension following carotid endarterectomy. Brown OW, et al. **Am Surg** 1986 Nov;52(11):581–4

Management of the cocaine-intoxicated patient [letter] Silverstein W, et al. **Ann Emerg Med** 1987 Feb;16(2):234–5

Diltiazem and propranolol in mild to moderate essential hypertension as monotherapy or with hydrochlorothiazide. Massie B, et al. **Ann Intern Med** 1987 Aug;107(2):150–7

Beta-blockers and mortality after myocardial infarction [editorial] Peters RW. **Arch Intern Med** 1987 Jan; 147(1):33–4

Adjuvant therapy of parkinsonian tremor. Koller WC, et al. **Arch Neurol** 1987 Sep;44(9):921–3

Migraine prophylaxis. A comparison of propranolol and amitriptyline. Ziegler DK, et al. **Arch Neurol** 1987 May; 44(5):486–9

Mild hypertension—a therapeutic dilemma. The results of the MRC trial in Britain. Miall WE. **Bibl Cardiol** 1987; (42):48–55

A controlled assessment of propranolol in the treatment of neuroleptic-induced akathisia. Adler L, et al. **Br J Psychiatry** 1986 Jul;149:42–5

Does propranolol have an antipsychotic effect? A placebo-controlled study in acute schizophrenia. Manchanda R, et al. **Br J Psychiatry** 1986 Jun;148:701–7

Criteria for measuring change: statistical significance vs clinical significance [letter] Manchanda R. **Br J Psychiatry** 1986 Jun;148:744–5

Myocardial bridges: effect of propranolol on systolic compression. Nair CK, et al. **Can J Cardiol** 1986 Jul–Aug; 2(4):218–21

Propranolol versus metoprolol in anxiety disorders. Chaturvedi SK. **Can J Psychiatry** 1987 Apr;32(3):250–1

Combination headache: practical experience with a combination of a beta-blocker and an antidepressive. Pfaffenrath V, et al. **Cephalalgia** 1986;6 Suppl 5:25–32

Diltiazem and propranolol combination for the treatment of chronic stable angina pectoris. O'Hara MJ, et al. **Clin Cardiol** 1987 Feb;10(2):115–23

The effect of subtotal thyroidectomy with propranolol preparation on antibody activity in Graves' disease. Steel NR, et al. **Clin Endocrinol (Oxf)** 1987 Jan;26(1):97–106

Propranolol ameliorates exercise-induced regional myocardial dysfunction in dogs. Mayer N, et al. **Clin Exp Pharmacol Physiol** 1986 Nov–Dec; 13(11–12):791–9

The effects of verapamil and propranolol on exercise tolerance in hypertensive patients. Mooy J, et al. **Clin Pharmacol Ther** 1987 May;41(5):490–5

Beta-adrenoceptor blockade and plasma lipoproteins. Comparison of the effects of propranolol and pindolol on plasma lipoproteins including high-density lipoprotein subfractions. Northcote RJ, et al. **Clin Sci** 1987 May; 72(5):549–56

The influence of pregnancy on drug action: concentration-effect modelling with propranolol. Rubin PC, et al. **Clin Sci** 1987 Jul;73(1):47–52

Postmarketing comparison of labetalol and propranolol in hypertensive patients. Due DL, et al. **Clin Ther** 1986; 8(6):624–31

A comparative study of two beta-blocker-diuretic combinations in the treatment of hypertension. Lubis HR, et al. **Curr Med Res Opin** 1986;10(4):221–7

Hemodynamic effect of propranolol on portal hypertension in patients with HBsAg-positive cirrhosis. Kong CW, et al. **Dig Dis Sci** 1986 Dec;31(12):1303–6

Effect of diltiazem and propranolol on myocardial ischaemia during unrestricted daily life in patients with effort-induced chronic stable angina pectoris. Khurmi NS, et al. **Eur J Clin Pharmacol** 1987;32(5):443–7

Liver drug metabolism and blood pressure response to a lipophilic and hydrophilic beta blocker. Säkö S, et al. **Eur J Drug Metab Pharmacokinet** 1986 Apr–Jun;11(2):81–6

Successful control of pheochromocytoma in pregnancy. Case report. Sukenik S, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):249–51

Acute intermittent porphyria—an unusual cause of "surgical" abdomen. Response to propranolol therapy. Srugo I, et al. **Eur J Pediatr** 1987 May;146(3):305–8

Influence of the degree of liver failure on systemic and splanchnic haemodynamics and on response to propranolol in patients with cirrhosis. Braillon A, et al. **Gut** 1986 Oct; 27(10):1204–9

Nadolol and propranolol in migraine management. Olerud B, et al. **Headache** 1986 Nov;26(10):490–3

Somnambulism, migraine and propranolol. Pradalier A, et al. **Headache** 1987 Mar;27(3):143–5

Prevention of recurrent bleeding in cirrhotics with recent variceal hemorrhage: prospective, randomized comparison of propranolol and sclerotherapy. Fleig WE, et al. **Hepatology** 1987 Mar–Apr;7(2):355–61

The role of propranolol in congestive gastropathy of portal hypertension. Hosking SW, et al. **Hepatology** 1987 May–Jun;7(3):437–41

Propranolol for prevention of recurrent gastrointestinal bleeding in patients with cirrhosis: a prospective study of factors associated with rebleeding. Poynard T, et al. **Hepatology** 1987 May–Jun;7(3):447–51

Propranolol for the prevention of recurrent variceal hemorrhage: a controlled trial. Villeneuve JP, et al. **Hepatology** 1986 Nov–Dec;6(6):1239–43

Acute and chronic hemodynamic effects of propranolol in unselected cirrhotic patients. Vorobioff J, et al. **Hepatology** 1987 Jul–Aug;7(4):648–53

Lack of sleep-inducing properties of propranolol (80 mg) in chronic insomniacs previously treated by common hypnotic medications. Danjou P, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):135–40

Propranolol and atenolol in the treatment of anxiety. Peet M, et al. **Int Clin Psychopharmacol** 1986 Oct;1(4):314–9

Double-blind, randomized, cross-over clinical trial of metoprolol and propranolol in mild to moderate essential hypertension. Pandhi P, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Mar;25(3):163–5

Long-term management of exercise-induced myocardial ischemia. Diltiazem versus propranolol, a double-blind, crossover study. Romano M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Oct;24(10):551–4

Antiarrhythmic efficacy of propranolol: comparison of low and high serum concentrations. Duff HJ, et al. **J Am Coll Cardiol** 1986 Oct;8(4):959–65

Prognostic significance of ventricular ectopic activity in survivors of acute myocardial infarction. Kostis JB, et al. **J Am Coll Cardiol** 1987 Aug;10(2):231–42

Beta-blockade-vasodilator therapy in peripartum cardiomyopathy [letter] Chopra A, et al. **J Assoc Physicians India** 1986 Jul;34(7):532–3

Comparative efficacy of behavioral stress management versus propranolol in reducing psychophysiological reactivity in post-myocardial infarction patients. Gatchel RJ, et al. **J Behav Med** 1986 Oct;9(5):503–13

Mortality in the beta blocker heart attack trial: circumstances surrounding death. Peters RW, et al. **J Chronic Dis** 1987; 40(1):75–82

Comparative efficacy of propranolol, chlordiazepoxide, and placebo in the treatment of anxiety: a double-blind trial. Meibach RC, et al. **J Clin Psychiatry** 1987 Sep;48(9):355–8

Aggressive behavior in Huntington's disease: treatment with propranolol. Stewart JT, et al. **J Clin Psychiatry** 1987 Mar; 48(3):106–8

Drug-induced stuttering treated with propranolol [letter] Adler L, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):115–6

Propranolol for adults with temper outbursts and residual attention deficit disorder. Mattes JA. **J Clin Psychopharmacol** 1986 Oct;6(5):299–302

Atenolol and propranolol in neuroleptic-induced akathisia [letter] Reiter S, et al. **J Clin Psychopharmacol** 1987 Aug; 7(4):279–80

The effect of vitamin E and inderal on cardiac lesions induced by adrenergic-mediated stresses. Ayobe MH, et al. **J Egypt Public Health Assoc** 1985;60(3–4):129–49

Effects of bunazosin and propranolol on ventricular arrhythmias in dogs with hypokalemia. Takamura T, et al. **J Electrocardiol** 1987 Apr;20(2):147–53

Reactivity to mental stress and cold provocation during long-term treatment with metoprolol, propranolol or hydrochlorothiazide. Eliasson K, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S263–5

Behavioral efficacy of propranolol in black patients. Schorer CE. **J Natl Med Assoc** 1987 Feb;79(2):221–2

A comparison of verapamil and propranolol for the initial treatment of hypertension. Racial differences in response. Cubeddu LX, et al. **JAMA** 1986 Oct 24–31;256(16):2214–21

Hemodynamic effect of bunitrolol on patients with ischemic heart disease. Comparison with propranolol. Serizawa T, et al. **Jpn Heart J** 1987 May;28(3):367–75

Therapeutic use of propranolol for intermittent explosive disorder. Jenkins SC, et al. **Mayo Clin Proc** 1987 Mar; 62(3):204–14 (52 ref.)

Prenatal stress feminizes adult male saccharin preference and maze learning: antagonism by propranolol. McGivern RF, et al. **Monogr Neural Sci** 1986;12:172–8

Preventing hemorrhage from esophageal varices [editorial] Bass NM. **N Engl J Med** 1987 Oct 1;317(14):893–5

Propranolol in the prevention of first upper gastrointestinal tract hemorrhage in patients with cirrhosis of the liver and esophageal varices. Pascal JP, et al. **N Engl J Med** 1987 Oct 1;317(14):856–61

Correction by propranolol of the abnormal catecholamine response to photostimulation of hypertensives with or without cerebral hemorrhage. Stoica E, et al. **Neurol Psychiatr (Bucur)** 1987 Jan–Mar;25(1):15–24

Effect of propranolol on ventricular rate during atrial fibrillation in the Wolff-Parkinson-White syndrome. Morady F, et al. **PACE** 1987 May;10(3 Pt 1):492–6

Comparison of self-hypnosis and propranolol in the treatment of juvenile classic migraine. Olness K, et al. **Pediatrics** 1987 Apr;79(4):593–7

Use of propranolol during lithium treatment: an enquiry and a suggestion. Schou M, et al. **Pharmacopsychiatry** 1987 May;20(3):131

The phenomenology of recovery in a chronic schizophrenic. Ratey JJ, et al. **Psychiatry** 1986 Nov;49(4):277–89

Noradrenergic mechanisms in akathisia: treatment with propranolol and clonidine. Adler L, et al. **Psychopharmacol Bull** 1987;23(1):21–5

Beta-adrenoceptor blockade in the treatment of postoperative adynamic ileus. Hallerbäck B, et al. **Scand J Gastroenterol** 1987 Mar;22(2):149–55

Effect of combined blockade of beta-adrenoceptors and acetylcholinesterase in the treatment of postoperative ileus after cholecystectomy. Hallerbäck B, et al. **Scand J Gastroenterol** 1987 May;22(4):420–4

Effect of Clinoril (sulindac, MSD), piroxicam and placebo on the hypotensive effect of propranolol in patients with mild to moderate essential hypertension. Ebel DL, et al. **Scand J Rheumatol [Suppl]** 1986;62:41–9

Short term open study of propanol in the peptic ulcer/hyperacidity syndrome. Singh R, et al. **Trop Gastroenterol** 1986 Jul–Sep;7(3):126–8

[Relaxation and rapid filling of the left ventricle in essential hypertension during treatment with a non-selective beta blocker] Sirakova V, et al. **Vutr Boles** 1987;26(3):33–8 (Eng. Abstr.) (Bul)

[Propranolol and portal hypertension in cirrhotic patients. Manometric and hemodynamic studies] Reding P, et al. **Acta Gastroenterol Belg** 1986 May–Jun;49(3):324–8 (Eng. Abstr.) (Fre)

[Treatment of unstable angina. A randomized double-blind study of propranolol, diltiazem and molsidomine] Nicolas G, et al. **Ann Cardiol Angeiol (Paris)** 1986 Oct 30; 35(8):501–4 (Eng. Abstr.) (Fre)

[Medical treatment of hypertrophic myocardiopathy. Comparison of propranolol and verapamil] Bouhour JB, et al. **Arch Mal Coeur** 1987 Jan;80(1):76–82 (Eng. Abstr.) (Fre)

[Comparative study of the effects of verapamil and propranolol therapy in 16 cases of obstructive hypertrophic myocardiopathy] Cosnay P, et al. **Arch Mal Coeur** 1987 Mar;80(3):346–55 (Eng. Abstr.) (Fre)

[Controlled study of propranolol in the prevention of recurrent hemorrhage in cirrhotic patients] Queuniet AM, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):41–7 (Eng. Abstr.) (Fre)

[Simultaneous study of ocular vascular reactions of the anterior and posterior segments following clonidine and propranolol in normotensive and hypertensive experimental animals] Baurmann H, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):467–76 (Eng. Abstr.) **(Ger)**

[Treatment of hyperkinetic heart syndrome with alinidine and propranolol] Schräder R, et al. **Klin Wochenschr** 1987 Jan 15;65(2):69–75 (Eng. Abstr.) **(Ger)**

[Effect of propranolol on intractable ascites following liver resection] Ohzato H, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1330–4 (Eng. Abstr.) **(Jpn)**

[The effects of propranolol or nitroglycerin on azygos blood flow in patients with portal hypertension] Notsumata K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1489–97 (Eng. Abstr.) **(Jpn)**

[Effect of propranolol on the plasma lipoprotein levels with special reference to apolipoproteins B] Banasiak W, et al. **Pol Tyg Lek** 1986 Sep 22;41(38):1203–5 (Eng. Abstr.) **(Pol)**

[Effect of treatment with pindolol, acebutolol and propranolol on the density of beta-adrenergic receptors in human lymphocytes] Halawa B. **Pol Tyg Lek** 1987 Feb 9;42(6):153–5 (Eng. Abstr.) **(Pol)**

[Mild or moderate arterial hypertension. Clinical, phonomechanocardiographic and echocardiographic evaluation of pindolol and propranolol] Sekeff JA, et al. **Arq Bras Cardiol** 1986 Apr;46(4):251–4 (Eng. Abstr.) **(Por)**

[Effect of anaprilin on the tyrosine hydroxylase activity of the oral mucosa in dogs with experimental stomatitis] Alrapetian GO, et al. **Farmakol Toksikol** 1987 May–Jun; 50(3):106–9 (Eng. Abstr.) **(Rus)**

[Effect of obzidan on the adenine nucleotide content of various areas of the heart in experimental myocardial infarct] Irgashev ShB, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):44–5 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the anti-arrhythmic activity of carbamazepine, novocainamide and obzidan in ventricular extrasystole] Logosha IuI, et al. **Farmakol Toksikol** 1986 Nov–Dec;49(6):71–3 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the results of the bicycle ergometry test in patients with stress stenocardia after treatment with propranolol and nifedipine] Abasova LI, et al. **Kardiologiia** 1986 Dec;26(12):51–5 (Eng. Abstr.) **(Rus)**

[Functional status of the myocardium of ischemic heart disease patients during long-term treatment with beta blockers] Furkalo NK, et al. **Kardiologiia** 1987 Mar; 27(3):29–33 (Eng. Abstr.) **(Rus)**

[Baroreflex regulation of circulation in essential hypertension patients treated with anaprilin] Almazov VA, et al. **Ter Arkh** 1986;58(11):25–9 (Eng. Abstr.) **(Rus)**

[Evaluation of the effect of obsidan in essential hypertension patients with different types of circulation] Goloshchapov OA, et al. **Ter Arkh** 1986;58(11):29–32 (Eng. Abstr.) **(Rus)**

[Inderal in the acute and post-myocardial infarct periods] Popov VG, et al. **Ter Arkh** 1986;58(6):53–8 (Eng. Abstr.) **(Rus)**

[Treatment of hypertension with the calcium antagonist korinfar and its combination with obzidan] Shkhvatsabaia IK, et al. **Ter Arkh** 1986;58(6):122–7 (Eng. Abstr.) **(Rus)**

[Biorhythm influence on the course of ischemic heart disease during combined treatment with molsidomine and anaprilin] Vakaliuk IP. **Ter Arkh** 1986;58(12):49–50 **(Rus)**

[Effect of obsidan on the functional status of the cardiovascular system of patients with acute myocardial infarction] Tolstopiatov SM. **Vrach Delo** 1987 Jan;(1):1–4 (Eng. Abstr.) **(Rus)**

[Development of sodium dependence in the prolonged treatment of essential hypertension with propranolol] Sánchez RA, et al. **Medicina (B Aires)** 1985;45(3):240–6 (Eng. Abstr.) **(Spa)**

TOXICITY

Sensory irritation and pulmonary irritation of cumene and n-propanol: mechanisms of receptor activation and desensitization. Kristiansen U, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):60–72

URINE

Rapid determination of the enantiomers of metoprolol, oxprenolol and propranolol in urine. Pflugmann G, et al. **J Chromatogr** 1987 May 15;416(2):331–9

PROPRIOCEPTION

Dizziness and vertigo in the posttraumatic syndrome. A physiological background. Lund S. **Acta Neurochir [Suppl] (Wien)** 1986;36:118–20

Occlusal perception and bite force in young subjects with and without dental fillings. Kampe T, et al. **Acta Odontol Scand** 1987 Apr;45(2):101–7

Inflow as a long-term calibrator of eye position in humans. Steinbach MJ. **Acta Psychol (Amst)** 1986 Dec; 63(1–3):297–306

Oral sensorimotor defects in patients with Parkinson's disease. Diamond SG, et al. **Adv Neurol** 1987;45:335–8

Proprioception with the proximal interphalangeal joint of the index finger. Evidence for a movement sense without a static-position sense. Clark FJ, et al. **Brain** 1986 Dec;109 (Pt 6):1195–208

Vestibular effects in long C3–C5 propriospinal neurones. Alstermark B, et al. **Brain Res** 1987 Feb 24;404(1–2):389–94

Subpopulations and functions of long C3–C5 propriospinal neurones. Alstermark B, et al. **Brain Res** 1987 Feb 24; 404(1–2):395–400

Long C3–C5 propriospinal neurones in the cat. Alstermark B, et al. **Brain Res** 1987 Feb 24;404(1–2):382–8

Selective mechanical stimulation of an identified proprioceptor in freely moving locusts: role of resistance reflexes in active posture. Zill SN. **Brain Res** 1987 Aug 4;417(1):195–8

Upper extremity proprioception in idiopathic scoliosis. Cook SD, et al. **Clin Orthop** 1986 Dec;(213):118–24

Extraocular proprioceptive signals affect ocular motor activity neither directly nor parametrically in the presence of optokinetic or vestibular stimulation in the frog. Daunicht WJ, et al. **Exp Brain Res** 1986;64(3):535–40

Accuracy of voluntary movements at the thumb and elbow joints. De Domenico G, et al. **Exp Brain Res** 1987; 65(2):471–8

Impairment of stereoacuity in cats with oculomotor proprioceptive deafferentation [published erratum appears in Exp Brain Res 1987;65(2):491] Fiorentini A, et al. **Exp Brain Res** 1986;63(2):364–8

Limb segment inclination sense in proprioception. Worringham CJ, et al. **Exp Brain Res** 1987;66(3):653–8

Proprioceptive reflexes in exodeviations. Prakash P, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):209–11

When is sensorimotor stroke a lacunar syndrome? Huang CY, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):720–6

Hypothesis relevant to defective position sense in a damaged knee [letter] Wilson AS, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1462–3

Properties of proprioceptive neurons in the cuneate nucleus of the cat. Surmeier DJ, et al. **J Neurophysiol** 1987 Apr; 57(4):938–61

Intrinsic features contributing to spike train patterning in proprioceptive cuneate neurons. Surmeier DJ, et al. **J Neurophysiol** 1987 Apr;57(4):962–76

Parallel processing of proprioceptive signals by spiking local interneurons and motor neurons in the locust. Burrows M. **J Neurosci** 1987 Apr;7(4):1064–80

Systems for producing precise movements of a joint over a wide range of speeds and displacements for tests of a static-position sense. Clark FJ, et al. **J Neurosci Methods** 1987 Mar;19(3):193–201

Lateral and anterior-posterior mandibular position discrimination by normal subjects. Williams WN, et al. **J Oral Rehabil** 1987 May;14(3):301–8

Quantitative assessment of position sense at the ankle: a functional approach. Berenberg RA, et al. **Neurology** 1987 Jan;37(1):89–93

Proprioceptive accuracy in two dimensions. Crowe A, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):831–46

Mechanoreceptor activity in the gills of the carp. II. Gill arch proprioceptors. de Graaf PJ, et al. **Respir Physiol** 1987 Aug;69(2):183–94

The effect of PNF position of the upper extremity on rapid knee extension. Fujita M, et al. **Tohoku J Exp Med** 1986 Sep;150(1):31–5

[Role of the internal model in the perception of position and planning of hand movements] Gurfinkel' VS, et al. **Fiziol Cheloveka** 1986 Sep–Oct;12(5):769–76 **(Rus)**

[Interrelation of the differential thresholds of proprioception with the urinary content of adrenergic substances] Tkachuk VG. **Fiziol Zh** 1987 Mar–Apr;33(2):62–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Influences of neck receptors on soleus motoneuron excitability in man. Traccis S, et al. **Exp Neurol** 1987 Jan; 95(1):76–84

Non-invasive technique for examining the respiratory proprioceptor system in man. Nickolls PM, et al. **J Biomed Eng** 1987 Jan;9(1):26–31

Inhibition of vestibulo-ocular reflex by tonic stimulation of the posterior neck region in man. Nuti D, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(6):338–44

PROPYL GALLATE see under **GALLIC ACID**

PROPYLADIPHENIN see **PROADIFEN**

PROPYLAMINE TRANSFERASE see under **TRANSFERASES**

PROPYLAMINES

Abuse of fluoxetine by a patient with anorexia nervosa [letter] Wilcox JA. **Am J Psychiatry** 1987 Aug;144(8):1100

Fluoxetine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in depressive illness. Benfield P, et al. **Drugs** 1986 Dec; 32(6):481–508 (110 ref.)

ADMINISTRATION & DOSAGE

Analgesic properties of intrathecally administered heterocyclic antidepressants. Hwang AS, et al. **Pain** 1987 Mar;28(3):343–55

ADVERSE EFFECTS

Intravenous abuse of propylhexedrine (Benzedrex) and the risk of brainstem dysfunction in young adults. Fornazzari L, et al. **Can J Neurol Sci** 1986 Nov;13(4):337–9

DIAGNOSTIC USE

Treatment of venereal disease in the penicillin-allergic patient: administration of penicillin following testing with major and minor determinants. Greenberger PA, et al. **New Engl Reg Allergy Proc** 1985 Spring;6(2):166–9

METABOLISM

Comparative pharmacokinetics and cardiovascular effects of tiapamil in healthy volunteers and patients with hepatic cirrhosis. Hinderling PH, et al. **Eur J Clin Pharmacol** 1986; 31(4):397–404

N-methyl derivatives of the 5-HT2 agonist 1-(4-bromo-2,5-dimethoxyphenyl)-2-aminopropane. Glennon RA, et al. **J Med Chem** 1987 May;30(5):930–2

Selective labeling of serotonin uptake sites in rat brain by [3H]citalopram contrasted to labeling of multiple sites by [3H]imipramine. D'Amato RJ, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):364–71

PHARMACODYNAMICS

Influence of monoamine oxidase inhibitors and a dopamine uptake blocker on the distribution of 11C-N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, 11C-MPTP, in the head of the rhesus monkey. Hartvig P, et al. **Acta Neurol Scand** 1986 Jul;74(1):10–6

The effect of purified aminoaldehydes produced by polyamine oxidation on the development in vitro of Plasmodium falciparum in normal and glucose-6-phosphate-dehydrogenase-deficient erythrocytes. Morgan DM, et al. **Biochem J** 1986 May 15; 236(1):97–101

The serotonin uptake inhibitor citalopram attenuates ethanol intake. Naranjo CA, et al. **Clin Pharmacol Ther** 1987 Mar; 41(3):266–74

Electrophysiological effects of penticainide in the anaesthetized dog. Sassine A, et al. **Drugs Exp Clin Res** 1987;13(1):15–20

Electrophysiologic effects and pharmacokinetics of intravenous penticainide (CM 7857). Aliot E, et al. **Eur Heart J** 1987 Jun;8(6):618–23

The effects of citalopram in single and repeated doses and with alcohol on physiological and psychological measures in healthy subjects. Lader M, et al. **Eur J Clin Pharmacol** 1986;31(2):183–90

Tiapamil reduces the calcium inward current of isolated smooth muscle cells. Dependence on holding potential and pulse frequency. Klöckner U, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):165–71

The recovery of maturing brain from acute citalopram exposure. Baker PC, et al. **Gen Pharmacol** 1987;18(1):35–6

Mechanism of neuromuscular blocking activity of 1,3-bis-(3-t-butylamino-1-propoxy)benzene dimethiodide (compound 79–297). Mukherjee KC, et al. **Indian J Exp Biol** 1986 Jul;24(7):435–6

GABA-related activities of amino phosphonic acids on guinea-pig ileum longitudinal muscle. Luzzi S, et al. **J Auton Pharmacol** 1986 Sep;6(3):163–9

Effects of tiapamil, a new calcium channel blocker, on ambulatory intraarterial blood pressure and exercise-induced changes in blood pressure. Caruana M, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):1074–7

Electrophysiological studies of penticainide (CM 7857), a new antiarrhythmic agent, in mammalian myocardium. Gautier P, et al. **J Cardiovasc Pharmacol** 1987 May; 9(5):601–10

Inhibition of the fast Na+ inward current by the Ca2+ channel blocker tiapamil. Osterrieder W. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1101–6

Antidepressant drug-induced changes in brain beta-adrenergic receptors: subcellular studies. Koshikawa N, et al. **J Nihon Univ Sch Dent** 1986 Dec;28(4):232–9

Effect of fluoxetine pretreatment on the neurochemical changes induced by amfonelic acid combined with spiperone in rats. Fuller RW, et al. **J Pharm Pharmacol** 1986 Oct;38(10):776–7

Differential ontogeny of opioid, dopaminergic and serotonergic regulation of prolactin secretion. Bero LA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):825–30

Cardiovascular effects of a new phenoxyalkylamine derivative, 2-isopropyl-5-[3-(2-methoxyphenoxy)propylamino]-2-(3,4,5-trimethoxy phenyl) valeronitrile fumarate (HV-525), in cross-circulated dog atrial preparations. Chiba S, et al. **Jpn Heart J** 1987 Mar;28(2):261–72

Fluoxetine subsensitizes a nicotinic mechanism involved in the regulation of core temperature. Dilsaver SC, et al. **Life Sci** 1987 Aug 31;41(9):1165–9

Fluoxetine-induced attenuation of amphetamine self-administration in rats. Yu DS, et al. **Life Sci** 1986 Oct 13;39(15):1383–8

Effects of a selective 5-HT reuptake blocker, citalopram, on the sensitivity of 5-HT autoreceptors: electrophysiological studies in the rat brain. Chaput Y, et

al. Naunyn Schmiedebergs Arch Pharmacol 1986 Aug; 333(4):342–8

Demonstration of monoamine oxidase type B in serotonergic and type A in noradrenergic neurons in the cat dorsal pontine tegmentum by an improved histochemical technique. Kitahama K, et al. Neurosci Lett 1986 Oct 30; 71(1):19–24

The effect of repeated doses of (–) deprenyl on the dynamics of monoaminergic transmission. Comparison with clorgyline. Zsilla G, et al. Pol J Pharmacol Pharm 1986 Jan–Feb;38(1):57–67

Fluoxetine enhances memory processing in mice. Flood JF, et al. Psychopharmacology (Berlin) 1987;92(1):36–43

Fluoxetine suppresses palatability-induced ingestion. Leander JD. Psychopharmacology (Berlin) 1987;91(3):285–7

Marked enhancement by clorgyline of nocturnal and daytime melatonin release in rhesus monkeys. Murphy DL, et al. Psychopharmacology (Berlin) 1987;92(3):382–7

[Effect of clorgyline on the intensity of lipid peroxidation and on erythrocyte membrane stability in hyperoxia] Goroshinskaia NA, et al. Biull Eksp Biol Med 1987 Jan; 103(1):54–6 (Eng. Abstr.) (Rus)

POISONING

Intravenous abuse of propylhexedrine. DiMaio VJ, et al. J Forensic Sci 1977 Jan;22(1):152–8

THERAPEUTIC USE

A double-blind comparison of citalopram (Lu 10-171) and amitriptyline in depressed patients. Gravem A, et al. Acta Psychiatr Scand 1987 May;75(5):478–86

Tiapamil protection in AMI [letter] Braun S. Am Heart J 1986 Dec;112(6):1345–6

Treatment of an anorexia nervosa patient with fluoxetine [letter] Ferguson JM. Am J Psychiatry 1987 Sep; 144(9):1239

Fluoxetine–induced weight loss in overweight, nondepressed subjects [letter] Ferguson JM. Am J Psychiatry 1986 Nov; 143(11):1496

Serotonin reuptake inhibitors and DST status [letter] Holsboer F, et al. Am J Psychiatry 1987 Feb;144(2):263–4

A comparison of the antidepressant action of citalopram and amitriptyline. Shaw DM, et al. Br J Psychiatry 1986 Oct; 149:515–7

Dexamethasone suppression test and the response to antidepressant depending on their central monoaminergic action in major depression. Benkelfat C, et al. Can J Psychiatry 1987 Apr;32(3):175–8

Antiarrhythmic and haemodynamic effects of tiapamil, a new calcium antagonist, during coronary artery occlusion and reperfusion in dogs. Shargorodsky BM, et al. Cardiovasc Res 1986 Sep;20(9):652–7

Effects of citalopram, a specific serotonin uptake inhibitor, in tardive dyskinesia and parkinsonism. Korsgaard S, et al. Clin Neuropharmacol 1986;9(1):52–7

5–HT reuptake inhibitors in healthy human subjects. Netter P. Clin Neuropharmacol 1986;9 Suppl 4:162–4

Therapeutic use of serotonergic drugs in alcohol abuse. Sellers EM, et al. Clin Neuropharmacol 1986;9 Suppl 4:60–2

Pharmacological investigation of a new anti–arrhythmic agent, GYKI–23 107. Varró A, et al. Drugs Exp Clin Res 1987;13(1):21–8

Efficacy of incremental doses of tiapamil on exercise performance in patients with chronic stable angina pectoris. O'Keefe JC, et al. Eur Heart J 1986 Oct;7(10):843–7

Duration of action of tiapamil in stable exercise induced angina. Maltz MB, et al. Eur J Clin Pharmacol 1987; 32(4):339–42

Fluoxetine response: endpoint vs pattern analysis. Fieve RR, et al. Int Clin Psychopharmacol 1986 Oct;1(4):320–3

Pattern analysis of antidepressant response to fluoxetine. Fieve RR, et al. J Clin Psychiatry 1986 Nov;47(11):560–2

Fluoxetine: a serotonin–specific, second–generation antidepressant. Sommi RW, et al. Pharmacotherapy 1987 Jan–Feb;7(1):1–15 (66 ref.)

New antidepressants—the serotonin reuptake inhibitors. Awad AG. Psychiatr J Univ Ottawa 1987 Mar;12(1):31–4

Double–blind treatment of major depression with fluoxetine: use of pattern analysis and relation of HAM–D score to CGI change. Goodnick PJ, et al. Psychopharmacol Bull 1987;23(1):162–3

Fixed–dose fluoxetine therapy for depression. Wernicke JF, et al. Psychopharmacol Bull 1987;23(1):164–8

Citalopram: clinical effect profile in comparison with clomipramine. A controlled multicenter study. Danish University Antidepressant Group. Psychopharmacology (Berlin) 1986;90(1):131–8

[Effect of Tomanol on the analgesic requirements and digestive transit in the postoperative course] Ionescu NG, et al. Rev Chir [Chir] 1987 Jan–Feb;36(1):1–4 (Eng. Abstr.) (Rum)

URINE

Identification of urinary metabolites of penticainide in the rat, dog, baboon and man. Davi H, et al. Biomed Environ Mass Spectrom 1986 Oct;13(10):559–68

PROPYLBENZILYLCHOLINE MUSTARD see under **CHOLINE**

PROPYLENE GLYCOLS see **PROPANEDIOLS**

PROPYLHEXEDRINE see under **PROPYLAMINES**

PROPYLIODONE see under **IODOPYRIDONES**

PROPYLTHIOURACIL

ADVERSE EFFECTS

Propylthiouracil–induced fatal hepatic necrosis. Limaye A, et al. Am J Gastroenterol 1987 Feb;82(2):152–4

Cutaneous vasculitis associated with propylthiouracil therapy. Carrasco MD, et al. Arch Intern Med 1987 Sep; 147(9):1677

Agranulocytosis induced by propylthiouracil: evidence of a drug dependent antibody reacting with granulocytes, monocytes and haematopoietic progenitor cells. Fibbe WE, et al. Br J Haematol 1986 Oct;64(2):363–73

Adverse immunologic effects of antithyroid drugs. Wing SS, et al. Can Med Assoc J 1987 Jan 15;136(2):121–7 (59 ref.)

[Pericarditis and vasculitis secondary to the administration of propylthiouracil] Gleisner A, et al. Rev Chil Pediatr 1986 Jan–Feb;57(1):64–6 (Eng. Abstr.) (Spa)

[Cholestatic hepatitis secondary to propylthiouracil] Cofré C, et al. Rev Med Chil 1986 Jan;114(1):42–4 (Eng. Abstr.) (Spa)

BLOOD

Pharmacology of propylthiouracil in thyrotoxicosis and chronic renal failure. Cooper DS, et al. Arch Intern Med 1987 Apr;147(4):785–6

PHARMACODYNAMICS

Induction of anionic glutathione transferases in rat liver by propylthiouracil. Lee E, et al. Comp Biochem Physiol [C] 1987;86(1):41–4

Effect of nutritional status on propylthiouracil–induced protection against acetaminophen hepatotoxicity in the rat. Raheja KL, et al. Drug Nutr Interact 1987;5(1):21–31

Effects of thyroidectomy and administration of propylthiouracil (PTU) or thyrotropin (TSH) to pregnant rats on the functional development of the fetal thyroid gland an immunohistochemical study. Kawaoi A, et al. Endocrinol Jpn 1986 Dec;33(6):835–41

Propylthiouracil, a selective inhibitor of NADH–cytochrome b5 reductase. Lee E, et al. FEBS Lett 1986 Dec 1; 209(1):49–51

Are the hypocholesterolaemic action and metabolic effects of diethylhexyl phthalate mediated by thyroxine? Nair N, et al. Indian J Biochem Biophys 1986 Apr;23(2):76–9

Effects of propyl thiouracil induced hypothyroidism on annual body weight and testis development cycles of the Lal munia Estrilda amandava. Gupta BB, et al. Indian J Exp Biol 1986 Jun;24(6):363–6

Accumulation of plasma triiodothyronine sulfate in rats treated with propylthiouracil. Rutgers M, et al. J Clin Invest 1987 Sep;80(3):758–62

Effects of propylthiouracil and methylthiouracil on cyclic AMP and ion movements in rat pancreatic islets. Mark M, et al. Naunyn Schmiedebergs Arch Pharmacol 1987 Feb; 335(2):194–9

Kinetics of radioiodine released from prelabelled thyroid gland in vivo: influence of propylthiouracil. Ahrén B, et al. Pharmacol Toxicol 1987 Jul;61(1):69–71

[Changes in thyroid function caused by continuous treatment with thiouracil in rats] Recio P, et al. Rev Esp Fisiol 1986 Dec;42(4):513–6 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Remission in children with hyperthyroidism treated with propylthiouracil. Long–term results. Gorton C, et al. Am J Dis Child 1987 Oct;141(10):1084–6

Hyperthyroidism in children treated with long term medical therapy: twenty–five percent remission every two years. Lippe BM, et al. J Clin Endocrinol Metab 1987 Jun; 64(6):1241–5

Drug therapy for Graves' disease during pregnancy [letter] N Engl J Med 1986 Dec 4;315(23):1485–6

TOXICITY

Propylthiouracil–induced hypothyroid hyperlipidemic chick: a model for clofibrate–induced toxicity. Raheja KL, et al. Comp Biochem Physiol [C] 1986;85(2):397–400

PROSCILLARIDIN see under **BUFANOLIDES**

PROSIMII

ANATOMY & HISTOLOGY

Morphometrics and niche metrics in prosimian locomotion: an approach to measuring locomotion, habitat, and diet. Crompton RH, et al. Am J Phys Anthropol 1987 Jun; 73(2):149–77

Morphometrics of the anterior dentition in strepsirhine primates. Eaglen RH. Am J Phys Anthropol 1986 Oct; 71(2):185–201

METABOLISM

Vitamin C biosynthesis in prosimians: evidence for the anthropoid affinity of Tarsius. Pollock JI, et al. Am J Phys Anthropol 1987 May;73(1):65–70

PHYSIOLOGY

Courtship and copulation in Tarsius bancanus. Wright PC, et al. Folia Primatol (Basel) 1986;46(3):142–8

PROSPECTIVE PAYMENT ASSESSMENT COMMISSION see under **PROSPECTIVE PAYMENT SYSTEM**

PROSPECTIVE PAYMENT SYSTEM

How will diagnosis–related groups affect epidemiologic research? Cohen BB, et al. Am J Epidemiol 1987 Jul; 126(1):1–9 (45 ref.)

Effect of the prospective–pricing system on drug use in Medicare patients in Georgia long–term–care facilities. Erwin WG, et al. Am J Hosp Pharm 1987 Jun;44(6):1406–8

Prospective pricing system by diagnosis–related groups: comparison of federal diagnosis–related groups with high–risk obstetric care groups. Resnick MB, et al. Am J Obstet Gynecol 1987 Mar;156(3):567–73

Differences in resource use and cost among facilities treating alcohol, drug abuse, and mental disorders: implications for design of a prospective payment system. McGuire TG, et al. Am J Psychiatry 1987 May;144(5):616–20

Bringing psychiatric patients into the Medicare prospective payment system: alternatives to DRGs. Mitchell JB, et al. Am J Psychiatry 1987 May;144(5):610–5

The initial effects of the prospective payment system on nursing home patients. Lewis MA, et al. Am J Public Health 1987 Jul;77(7):819–21

DRG's, myths and facts. Mullin RL. Conn Med 1986 Nov; 50(11):759–60

The New Jersey DRG system: another view [letter] Rosko MD. Health Aff (Millwood) 1987 Spring;6(1):205–7

The impact of DRGs on the health care industry. Balinsky W, et al. Health Care Manage Rev 1987 Summer; 12(3):61–74

The Medicare payment system: a conceptual approach to the problem of controlling profitability. Broyles RW, et al. Health Care Manage Rev 1987 Summer;12(3):35–46

Prospective payment systems: steps to enhance quality, efficiency, and regionalization. Eastaugh SR, et al. Health Care Manage Rev 1986 Fall;11(4):37–52

Evaluation of the impact of Medicare and Medicaid prospective payment on utilization of Philadelphia area hospitals. Smith DB, et al. Health Serv Res 1986 Oct; 21(4):529–46

Baucus calls on rural hospitals to make big waves [interview by Clay Mickel] Baucus M. Hospitals 1986 Oct 20; 60(20):79, 81

DRG system flunks test for rehabilitation providers. Firshein J. Hospitals 1986 Oct 20;60(20):24

Rural hospitals socked by token DRG rate boost. Firshein J. Hospitals 1986 Oct 5;60(19):37, 40

Pediatric hospital group lobbies for children's DRGs. Firshein J. Hospitals 1986 Oct 20;60(20):28

Profit margin data agitate industry. Firshein J. Hospitals 1987 Feb 20;61(4):22, 24

Industry calls for release of outlier data from HCFA. Merrill T. Hospitals 1987 May 20;61(10):21, 25

Outpatient PPS to cut pay to 80% of costs. Merrill T. Hospitals 1987 Jun 20;61(12):FB88, FB90

Hospitals not ready for outpatient surgery PPS. Nathanson S, et al. Hospitals 1986 Nov 20;60(22):81

Reaction to physician payment proposal mixed. Shahoda T. Hospitals 1987 Feb 5;61(3):72

ProPAC: create "temporary" DRGs.Shahoda T. Hospitals 1987 Mar 20;61(6):44

OMB's Steelman: DRG rate "adequate" through '88 [interview by Jeffrey Finn] Steelman D. Hospitals 1986 Dec 20;60(24):62–3

The early effects of the prospective payment system on inpatient utilization and the quality of care. DesHarnais S, et al. Inquiry 1987 Spring;24(1):7–16

The first DRG: lessons from the end stage renal disease program for the prospective payment system. Maxwell JH, et al. Inquiry 1987 Spring;24(1):57–67

Implications of Medicare's prospective payment system for the provision of uncompensated hospital care. Sheingold S, et al. Inquiry 1986 Winter;23(4):371–81

Quality can be saved in a price–based system—but it isn't easy [editorial] Tresnowski BR. Inquiry 1987 Spring; 24(1):3–4

Case–based payment and the control of quality and efficiency in hospitals. Wyszewianski L, et al. Inquiry 1987 Spring; 24(1):17–25

Coronary angioplasty under the prospective payment system: the need for a severity–adjusted payment scheme. Barbash GI, et al. J Am Coll Cardiol 1986 Oct;8(4):784–90

Diagnosis–related groupings (DRGs) and wound closure: roundtable discussion [clinical conference] Gillespie R, et al. J Burn Care Rehabil 1987 May–Jun;8(3):199–209

The impact of new reimbursement schemes on clinical research in hospitals: the case of the Prospective Payment System. Steinwald B. J Gen Intern Med 1986 Jul–Aug;1(4 Suppl):S56–9

Prospective payment under Medicare: what are its effects? [editorial] Williams S. J Gen Intern Med 1986 Sep–Oct; 1(5):342–3

Prospective payment: DRGs and ethics. J Med Philos 1987

May;12(2):101–201
Incentives and obligations under prospective payment. Agich GJ. **J Med Philos** 1987 May;12(2):123–44
Prospective payment and medical ethics. Begley CE. **J Med Philos** 1987 May;12(2):107–22
Ethical issues in the use of a prospective payment system: the issue of a severity of illness adjustment. Horn SD, et al. **J Med Philos** 1987 May;12(2):145–53
Acuity and staffing under prospective payment. Adams R, et al. **J Nurs Adm** 1986 Oct;16(10):21–5
The impact of Medicare's prospective payment system on Wisconsin nursing homes [letter] **JAMA** 1987 Aug 7; 258(5):611–3
Changing patterns of hip fracture care before and after implementation of the prospective payment system. Fitzgerald JF, et al. **JAMA** 1987 Jul 10;258(2):218–21
The impact of Medicare's prospective payment system on Wisconsin nursing homes. Sager MA, et al. **JAMA** 1987 Apr 3;257(13):1762–6
The doctor and the DRG. Reid RA. **MD Comput** 1984; 1(2):10–3
The impact of a prospective payment system on psychosocial service delivery in the general hospital. Lyons JS, et al. **Med Care** 1987 Feb;25(2):140–7
Short-term responses of hospitals to the DRG prospective pricing mechanism in New Jersey. Rosko MD, et al. **Med Care** 1987 Feb;25(2):88–99
Prospective payment for psychiatry—feasibility and impact. Schumacher DN, et al. **N Engl J Med** 1986 Nov 20; 315(21):1331–6
The new health care economy: opportunities for nurse entrepreneurs. Smith GR. **Nurs Outlook** 1987 Jul–Aug; 35(4):182–4
Impact of prophylactic therapy for postoperative thromboembolism on prospective payment. Hamilton CW, et al. **Pharmacotherapy** 1986 Jul–Aug;6(4 Pt 2):23S–27S (14 ref.)
Effect of the Medicare prospective payment system on the utilization of physical therapy. Dore D. **Phys Ther** 1987 Jun;67(6):964–6
Symposium: The potential effects of changing fiscal policies on medical education. Barzansky B, et al. **Proc Annu Conf Res Med Educ** 1984;23:337–44
An alternate level of care, the prospective payment system and the challenge of extended care. Tellis-Nayak V, et al. **Soc Sci Med** 1986;23(7):665–71
Surviving DRG's: New Jersey's social work experience with prospective payments. Dinerman M, et al. **Soc Work Health Care** 1986 Fall;12(1):103–13
Cost containment as a professional challenge. Brody H. **Theor Med** 1987 Feb;8(1):5–17
Medicare and Medicaid payment strategies for health care providers. Baptist AJ, et al. **Top Health Care Financ** 1986 Winter;13(2):1–15
Hospital participation in alternative payment: developing a DRG-based system. Ellstein C, et al. **Top Health Care Financ** 1986 Winter; 13(2):27–37
The Medicare prospective payment system. Technical adjustments and the role of ProPAC. Altman SH. **West J Med** 1986 Oct;145(4):528–34

ECONOMICS

Reliability of reporting nosocomial infections in the discharge abstract and implications for receipt of revenues under prospective reimbursement. Massanari RM, et al. **Am J Public Health** 1987 May;77(5):561–4
The long-term ventilator patient. A potentially disenfranchized medical population [editorial] Bone RC. **Chest** 1987 Aug;92(2):196–7
DRG payment for long-term ventilator patients. Implications and recommendations. Douglass PS, et al. **Chest** 1987 Mar; 91(3):413–7
Financial implications of prolonged ventilator care of Medicare patients under the prospective payment system. A multicenter study. Gracey DR, et al. **Chest** 1987 Mar; 91(3):424–7
Prospective payment for outpatient mental health services: evaluation of diagnosis-related groups. Wood WD, et al. **Community Ment Health J** 1986 Winter;22(4):286–93
Unintended results of Medicare's national prospective payment rates. Sheingold SH. **Health Aff (Millwood)** 1986 Winter;5(4):5–21
The intensive care unit population within the prospective payment scheme. Galanes S, et al. **Heart Lung** 1986 Sep; 15(5):515–20
The distributional implications of using relative prices in DRG payment systems. Thorpe KE. **Inquiry** 1987 Spring; 24(1):85–95
Prospective payment in perspective. Sapolsky HM. **J Health Polit Policy Law** 1986;11(4):633–45
DRGs and the idea of a just price. Halper T. **J Med Philos** 1987 May;12(2):155–64
Cancer care and prospective payment: primum non nocere. Greene FL. **J SC Med Assoc** 1986 Sep;82(9):597
A community hospital payment experiment outperforms national experience. The Hospital Experimental Payment program in Rochester, NY. Block JA, et al. **JAMA** 1987 Jan 9;257(2):193–7
Assessing Medicare's prospective payment system [editorial] Davis C. **JAMA** 1987 Apr 3;257(13):1793–4
Physician awareness of cost under prospective reimbursement systems. Thomas DR, et al. **Med Care** 1987 Mar;25(3):181–4
How did Medicare's prospective payment system affect hospitals? Feder J, et al. **N Engl J Med** 1987 Oct 1; 317(14):867–73
Changes in CT utilization between 1981 and 1984: implications for Medicare payment for MR imaging under the prospective payment system. Steinberg EP, et al **Radiology** 1987 Oct;165(1):279–81

LEGISLATION & JURISPRUDENCE

Freestandings bound to gain under new PPS plan. Droste T. **Hospitals** 1987 Jul 5;61(13):60–1
Rural hospitals get relief, but battle's not over. Firshein J. **Hospitals** 1986 Dec 5;60(23):26–7
Rebasing seen as reality; adjustments undecided. Merrill T. **Hospitals** 1987 Jun 5;61(11):22
Average PPS rate to increase 3.5% in FY '88. Merrill T. **Hospitals** 1987 Jul 20;61(4):16
HCFA delays changes in PPS outlier policy. Robinson M. **Hospitals** 1987 Oct 5;61(19):26, 30
Congress reconsiders redistributing PPS monies. Robinson ML. **Hospitals** 1987 Aug 20;61(16):25, 28
Hospital and physician Medicare payments cut. Robinson ML. **Hospitals** 1987 Aug 20;61(16):28, 30
Rural, urban hospitals win in budget action. Robinson ML. **Hospitals** 1987 Sep 5;61(17):32–3, 35
PPS refinements sought to improve DRG payments. Robinson ML. **Hospitals** 1987 Sep 20;61(18):22

METHODS

Comparison of two prospective rate-setting models: the DRG and PIR models. Johansen S. **Health Serv Res** 1986 Oct;21(4):547–59
Ambulatory care payment system ready, waiting. Newald J. **Hospitals** 1987 Feb 20;61(4):80
The feasibility of using case mix and prospective payment for Medicare skilled nursing facilities. Liu K, et al. **Inquiry** 1986 Winter;23(4):365–70
DRGs and disease staging for reimbursing Medicare patients. Coffey RM, et al. **Med Care** 1986 Sep;24(9):814–29
Are DRGs cost containment vehicles? Broderson H. **Pa Med** 1986 Oct;89(10):25–8
Changing physician payment for Medicare patients. Projected effects on the quality of care. Hammons GT, et al. **West J Med** 1986 Nov;145(5):704–9

TRENDS

Will subacute care fall under PPS in 1987? Newald J. **Hospitals** 1987 Jan 5;61(1):64
Physician DRGs? PhysPRC's Ginsburg says no. Powills S. **Hospitals** 1987 Feb 5;61(3):59
CEOs see major payment changes within two years. Traska MR. **Hospitals** 1987 Feb 20;61(4):32
Medicare's prospective payment system: the expectations and the realities. Rettig PC, et al. **Inquiry** 1987 Summer; 24(2):173–88

PROSPECTIVE PRICING see **PROSPECTIVE PAYMENT SYSTEM**

PROSPECTIVE REIMBURSEMENT see **PROSPECTIVE PAYMENT SYSTEM**

PROSPECTIVE STUDIES

A simple computer program for generating person-time data in cohort studies involving time-related factors. Pearce N, et al. **Am J Epidemiol** 1987 Jun;125(6):1085–91
Confirming the null hypothesis [editorial] Downs JB, et al. **Crit Care Med** 1987 Jan;15(1):82–3
Predicting risk among non-respondents in prospective studies. Sheikh K. **Eur J Epidemiol** 1986 Mar;2(1):39–43
A plea for prospective clinical trials [editorial] Earle JD. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1115–6
Response to "A plea for prospective clinical trials by John D. Earle, M.D." [letter] Lee CK, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1429
Comparison of the logistic and Cox regression models when outcome is determined in all patients after a fixed period of time. Peduzzi P, et al. **J Chronic Dis** 1987;40(8):761–7
A method for combining results from several prospective epidemiologic studies. Dyer AR. **Stat Med** 1986 Jul–Aug; 5(4):303–17

PROSPIDIUM see under **PIPERAZINES**

PROSTACYCLINS see **PROSTAGLANDINS X**

PROSTAGLANDIN A ANALOGS see **PROSTAGLANDINS A, SYNTHETIC**

PROSTAGLANDIN ANALOGS see **PROSTAGLANDINS, SYNTHETIC**

PROSTAGLANDIN ANTAGONISTS

Antipyretic analgesics inhibit prostaglandin release from astrocytes and macrophages similarly. Lanz R, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):105–9

ADMINISTRATION & DOSAGE

[Effects of an anti-prostaglandin agent added to the irrigation solution on retinal edema in rabbit eyes induced by pars plana vitrectomy] Shimada H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):360–75 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inhibition of prostaglandin biosynthesis by etodolac. I. Selective activities in arthritis. Neuman RG, et al. **Agents Actions** 1987 Jun;21(1–2):160–6
A macrophage defect in women with recurrent Candida vaginitis and its reversal in vitro by prostaglandin inhibitors. Witkin SS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):790–5
Effects of locally applied enzyme inhibitors of the arachidonic acid cascade on follicle growth and intra-ovarian oocyte release in hyperstimulated rabbits. Spanel-Borowski K, et al. **Arch Histol Jpn** 1986 Dec; 49(5):565–77
The antinociceptive effects of prostaglandin antagonists in the rat. Drower EJ, et al. **Eur J Pharmacol** 1987 Jan 20; 133(3):249–56
Binding of a thromboxane A2/prostaglandin H2 receptor antagonist to guinea-pig platelets. Halushka PV, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):49–54
Characterization of platelet activating factor (PAF)-acether-induced contractions of guinea-pig lung strips by selected inhibitors of arachidonic acid metabolism and by PAF-acether antagonists. Touvay C, et al. **Immunopharmacology** 1986 Oct;12(2):97–104
Effects of prostaglandin biosynthesis inhibitors and ouabain on duodenal mucosa and HCO3- secretion in rats. Furukawa O, et al. **Jpn J Pharmacol** 1987 Apr;43(4):449–53
Effect of prostaglandin synthesis inhibition on human corpus luteum function. Gibson M, et al. **Prostaglandins** 1986 Jun; 31(6):1023–8
Differential effects of putative inhibitors on cytosolic and membrane associated platelet lipoxygenase. Rao GH, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):281–90
[Influence of prostaglandin synthesis blockade on the immunosuppresive effect of serotonin and haloperidol] Cheido MA, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):51–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Use of prostaglandin inhibitors in the treatment of PMS. Budoff PW. **Clin Obstet Gynecol** 1987 Jun;30(2):453–64 (66 ref.)
Injectable prostaglandin inhibitors prior to cataract surgery [letter] Gills JP. **J Cataract Refract Surg** 1987 Jul; 13(4):459–60
Pre- and postoperative therapy in cataract extraction. Mizuno K, et al. **Ophthalmic Surg** 1987 Feb;18(2):143–52 (119 ref.)
[Combination of anti-inflammatory agents in antineoplastic chemotherapy] Delgado GL, et al. **Rev Paul Med** 1986 Mar-Apr;104(2):93–8 (Eng. Abstr.) **(Por)**
[Calcium lonazolac and blood loss in users of intrauterine devices. Preliminary report] Rubio Lotvin B, et al. **Ginecol Obstet Mex** 1986 Aug;54:221–4 (Eng. Abstr.) **(Spa)**

PROSTAGLANDIN E ANALOGS see **PROSTAGLANDINS E, SYNTHETIC**

PROSTAGLANDIN ENDOPEROXIDE ANALOGS see **PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC**

PROSTAGLANDIN ENDOPEROXIDE SYNTHETASE see **PROSTAGLANDIN SYNTHASE**

PROSTAGLANDIN ENDOPEROXIDES

ANALYSIS

Ammonia (NH3 and N2H3) direct chemical ionization mass spectrometry of underivatized prostaglandin-H2 and other selected stable prostaglandins. Schilling AB, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):545–51

ANTAGONISTS & INHIBITORS

Photoaffinity labelling of a thromboxane A2/prostaglandin H2 antagonist binding site in human platelets. Mais DE, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):128–33
L-641,953 (R-8-fluoro-dibenzo[b, f]thiepin-3-carboxylic acid-5-oxide): a novel thromboxane-prostaglandin endoperoxide antagonist. Hall RA, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):509–14
Pharmacology of L-655,240 (3-[1-(4-chlorobenzyl)-5-fluoro-3-methyl-indol-2-yl]2,2-dimethylpro pan oic acid); a potent, selective thromboxane/prostaglandin endoperoxide antagonist. Hall RA, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):193–201

BIOSYNTHESIS

The effect of E. coli infection on the prostaglandin synthesizing capacity of postobstructive rat kidney. Sallai J, et al. **Int Urol Nephrol** 1987;19(1):27–32

ISOLATION & PURIFICATION

Preparative HPLC purification of prostaglandin endoperoxides and isolation of novel cyclooxygenase-derived arachidonic acid metaboli.es. Hecker M, et al. **Biochem Pharmacol** 1987 Mar 15; 36(6):851-5

METABOLISM

Enzymatic transformation of PGH2 to PGF2 alpha catalyzed by glutathione S-transferases. Burgess JR, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):441-7

Formation of 6,15-diketoprostaglandin F1 alpha from prostaglandin G2 by bovine aortic endothelial cells. Mayer B, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):209-16

Macrophage eicosanoid formation is stimulated by platelet arachidonic acid and prostaglandin endoperoxide transfer. Smith EF 3d, et al. **Biochim Biophys Acta** 1987 Mar 19; 923(3):355-61

Binding of a thromboxane A2/prostaglandin H2 receptor antagonist to guinea-pig platelets. Halushka PV, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):49-54

Rat lens prostaglandin generation proceeds by the non-enzymatic degradation of PGH2 endoperoxide. Keeting PE, et al. **Exp Eye Res** 1987 Feb;44(2):261-8

PHARMACODYNAMICS

Contractile effects of TxA2 and endoperoxide analogues on cultured rat glomerular mesangial cells. Mené P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1029-35

Effects of OKY 1581 on bronchoconstrictor responses to arachidonic acid and PGH2. Tilden SJ, et al. **J Appl Physiol** 1987 May;62(5):2066-74

PHYSIOLOGY

Binding of thromboxane A2/prostaglandin H2 agonists to human platelets. Halushka PV, et al. **Br J Pharmacol** 1987 May;91(1):223-7

Effect of OKY-046, a thromboxane A2 synthetase inhibitor, on arachidonate-induced platelet aggregation: possible role of "prostaglandin H2 steal" mechanism.Kuzuya T, et al. **Jpn Circ J** 1986 Nov;50(11):1071-8

URINE

Acute effect of furosemide on renal kallikrein and prostaglandin systems in mild to moderate essential hypertension. Franchi F, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan;25(1):44-9

PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC

ADMINISTRATION & DOSAGE

In vitro perfusion studies on human umbilical arteries. II. Effects of prostacyclin and a thromboxane A2 mimetic. Bjøro K, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):467-71

ANALYSIS

Ammonia (NH3 and N2H3) direct chemical ionization mass spectrometry of underivatized prostaglandin-H2 and other selected stable prostaglandins. Schilling AB, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):545-51

ANTAGONISTS & INHIBITORS

Photoaffinity labelling of a thromboxane A2/prostaglandin H2 antagonist binding site in human platelets. Mais DE, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):128-33

BLOOD

Conformational responses of an arachidonate- and U46619-binding haemoprotein in relation to platelet activation. Krishnan LK, et al. **FEBS Lett** 1987 Feb 23; 212(2):213-9

METABOLISM

Enzymatic transformation of PGH2 to PGF2 alpha catalyzed by glutathione S-transferases. Burgess JR, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):441-7

Binding of a thromboxane A2/prostaglandin H2 receptor antagonist to guinea-pig platelets. Halushka PV, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):49-54

Rat lens prostaglandin generation proceeds by the non-enzymatic degradation of PGH2 endoperoxide. Keeting PE, et al. **Exp Eye Res** 1987 Feb;44(2):261-8

PHARMACODYNAMICS

Effects of intracellular and extracellular calcium blockers on the pulmonary vascular responses to PGF2 alpha and U46619. Santoian EC, et al. **Angiology** 1987 Jan;38(1 Pt 1):51-5

Synergistic potentiation of 5-hydroxytryptamine secretion by platelet agonists and phorbol myristate acetate despite inhibition of agonist-induced arachidonate/thromboxane and beta-thromboglobulin release and Ca2+ mobilization by phorbol myristate acetate. Krishnamurthi S, et al. **Biochem J** 1986 Aug 15;238(1):193-9

Effect of phorbol 12-myristate 13-acetate (PMA) on agonist-induced arachidonate release and 5-hydroxytryptamine secretion in human platelets. Dependence of effects on agonist type and time of incubation with PMA. Krishnamurthi S, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):429-36

Heterogeneity of vascular smooth muscle responsiveness to lipid vasoactive mediators. Stahl GL, et al. **Blood Vessels** 1987;24(1-2):24-30

Prostaglandin endoperoxide analogues which are both thromboxane receptor antagonists and prostacyclin mimetics. Armstrong RA, et al. **Br J Pharmacol** 1986 Mar; 87(3):543-51

The effects of the stable thromboxane A2-mimetic, U46619, on gastric mucosal damage and gastric non-parietal secretion in the rat. Bunce KT, et al. **Br J Pharmacol** 1987 May;91(1):23-9

Diabetes alters the reactivity of myocardium to a thromboxane analogue. Canga L, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):499-503

Cultured human vascular smooth muscle cells with functional thromboxane A2 receptors: measurement of U46619-induced 45calcium efflux. Dorn GW 2d, et al. **Circ Res** 1987 Jun;60(6):952-6

Potentiation of vagal contractile response by thromboxane mimetic U-46619. Munoz NM, et al. **J Appl Physiol** 1986 Sep;61(3):1173-9

Effects of OKY 1581 on bronchoconstrictor responses to arachidonic acid and PGH2. Tilden SJ, et al. **J Appl Physiol** 1987 May;62(5):2066-74

Stimulation of glycogenolysis and vasoconstriction in the perfused rat liver by the thromboxane A2 analogue U-46619. Fisher RA, et al. **J Biol Chem** 1987 Apr 5; 262(10):4631-8

The potentiation of phorbol ester-induced aggregation of human platelets by the prostaglandin endoperoxide analogue, U46619. Edwards MC, et al. **J Pharm Pharmacol** 1987 May;39(5):370-7

Effects of sulfinpyrazone and its metabolite G25671 on platelet activation and desensitization and on bronchoconstriction induced by the prostaglandin endoperoxide analog U46619. Hatmi M, et al. **J Pharmacol Exp Ther** 1987 May;241(2):623-7

The effect of chronic alcohol inhalation on blood pressure and the pressor response to noradrenaline and the thromboxane-mimic U46619. Karanian JW, et al. **Life Sci** 1986 Oct 6;39(14):1245-55

Fasting and diabetes mellitus elicit opposite effects on agonist-stimulated prostacyclin synthesis by the rat aorta. Jeremy JY, et al. **Metabolism** 1987 Jul;36(7):616-20

Effects of thromboxane analog U46619 on endothelial damaged canine coronary arteries in vivo. Bove AA, et al. **Prostaglandins** 1986 Nov;32(5):665-77

Effect of the thromboxane A2 mimetic U 46619 on pial arterioles of rabbits and rats. Haberl RL, et al. **Stroke** 1987 Jul-Aug;18(4):796-800

Antagonism of U46619-induced aggregation of human and canine platelets by four TXA2 receptor antagonists. Bush LR, et al. **Thromb Res** 1986 Nov 1;44(3):377-89

Interference of the thromboxane antagonist SK&F 88046 with platelet activation and subsequent desensitization by arachidonic acid and the thromboxane mimetics U46619 and EP171. Vargaftig B, et al. **Thromb Res** 1987 May 15; 46(4):509-17

PHYSIOLOGY

Binding of thromboxane A2/prostaglandin H2 agonists to human platelets. Halushka PV, et al. **Br J Pharmacol** 1987 May;91(1):223-7

Effect of OKY-046, a thromboxane A2 synthetase inhibitor, on arachidonate-induced platelet aggregation: possible role of "prostaglandin H2 steal" mechanism.Kuzuya T, et al. **Jpn Circ J** 1986 Nov;50(11):1071-8

PROSTAGLANDIN E1 see **ALPROSTADIL**

PROSTAGLANDIN F ANALOGS see **PROSTAGLANDINS F, SYNTHETIC**

PROSTAGLANDIN H SYNTHASE see **PROSTAGLANDIN SYNTHASE**

PROSTAGLANDIN INHIBITORS see **PROSTAGLANDIN ANTAGONISTS**

PROSTAGLANDIN RECEPTORS see **RECEPTORS, PROSTAGLANDIN**

PROSTAGLANDIN-13,14-REDUCTASE see under **OXIDOREDUCTASES**

PROSTAGLANDIN SYNTHASE

Heme spin states and peroxide-induced radical species in prostaglandin H synthase. Kulmacz RJ, et al. **J Biol Chem** 1987 Aug 5;262(22):10524-31

ADVERSE EFFECTS

Renal effects of cyclooxygenase inhibition in the pregnant rat. Baylis C. **Am J Physiol** 1987 Jul;253(1 Pt 2):F158-63

ANALYSIS

Ovarian prostaglandin synthase: immunohistochemical localization in the rat. Curry TE Jr, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):537-43

EPR study of ferric native prostaglandin H synthase and its ferrous NO derivative. Karthein R, et al. **Eur J Biochem** 1987 Jul 1;166(1):173-80

Immunohistochemical distribution of renal prostaglandin endoperoxide synthase and prostacyclin synthase: diminished endoperoxide synthase in the hepatorenal syndrome. Govindarajan S, et al. **Hepatology** 1987 Jul-Aug; 7(4):654-9

The use of 12-hydroxyheptadecatrienoic acid (HHT) as an HPLC/spectrophotometric marker for cyclooxygenase pathway activity in resident rat peritoneal cells. Sweeney FJ, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):171-7

ANTAGONISTS & INHIBITORS

L-652,343: a novel dual 5-lipoxygenase/cyclooxygenase inhibitor. Tischler A, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:63-6

Pharmacologic characterization of the antiinflammatory properties of a new dual inhibitor of lipoxygenase and cyclooxygenase. DiMartino MJ, et al. **Agents Actions** 1987 Feb;20(1-2):113-23

Immunosuppressive actions of prostaglandins and the possible increase in chronic inflammation after cyclo-oxygenase inhibitors. Lewis GP, et al. **Agents Actions** 1986 Oct; 19(1-2):59-65

The pattern of cardiovascular alterations induced by infusion of platelet-activating factor in rabbit is modified by pretreatment with H1-H2 receptor antagonists but not by cyclooxygenase inhibition. Montrucchio G, et al. **Agents Actions** 1987 Jun;21(1-2):72-8

How specific is the arachidonic acid-induced mouse ear oedema for lipoxygenase (LO)- and cyclooxygenase (CO)-inhibitors? Pignat W, et al. **Agents Actions** 1986 Dec; 19(5-6):368-70

Effect of cycloxygenase and lipoxygenase inhibitors on the chemiluminescence response of human neutrophils. Falck P, et al. **Allerg Immunol (Leipz)** 1987;33(1):45-52

Treatment of polyhydramnios with prostaglandin synthetase inhibitor (indomethacin). Cabrol D, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):422-6

Cyclooxygenase inhibition reduces placental transfer: reversal by carbacyclin. Kuhn DC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):194-8

Toxicity of tumor necrosis factor is synergistic with gamma-interferon and can be reduced with cyclooxygenase inhibitors. Talmadge JE, et al. **Am J Pathol** 1987 Sep;128(3):410-25

Treatment of experimental granulomatous uveitis by lipoxygenase and cyclo-oxygenase inhibitors. Rao NA, et al. **Arch Ophthalmol** 1987 Mar;105(3):413-5

Melatonin, 5-methoxytryptamine and some of their analogs as cyclo-oxygenase inhibitors in rat medial basal hypothalamus. Franchi AM, et al. **Brain Res** 1987 Mar 10; 405(2):384-8

Effect of cyclooxygenase and thromboxane synthetase inhibition on furosemide-stimulated plasma renin activity. Datar S, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):80-3

Action of a prostaglandin synthetase inhibitor on IUD associated uterine bleeding. Di Lieto A, et al. **Clin Exp Obstet Gynecol** 1987;14(1):41-4

Systemic mastocytosis: management of an unusual case with histamine (H1 and H2) antagonists and cyclooxygenase inhibition. Crawhall JC, et al. **Clin Invest Med** 1987 Jan; 10(1):1-4

Studies on 1,2,3-triazole derivatives as potential inhibitors of the cyclo-oxygenase. Biagi G, et al. **Farmaco [Sci]** 1987 Apr;42(4):285-97

Ovine ureteral motility as a new assay for the cyclo-oxygenase blocking potency of non steroidal anti-inflammatory drugs. Bhargava KP, et al. **Gen Pharmacol** 1987;18(3):337-40

Synergistic enhancement of mitogen responses of human lymphocytes by inhibitors of cyclo-oxygenase and 5,8,11-eicosatriynoic acid, an inhibitor of 12-lipoxygenase and leukotriene biosynthesis. Blomgren H, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):247-55

Lipoxygenase and cyclooxygenase blockade by BW 755C enhances pulmonary hypoxic vasoconstriction. Garrett RC, et al. **J Appl Physiol** 1987 Jan;62(1):129-33

Distribution of cyclooxygenase products with cyclooxygenase inhibition in isolated dog lung. Littner MR, et al. **J Appl Physiol** 1986 Sep;61(3):988-93

Effect of cyclooxygenase inhibition on ethchlorvynol-induced acute lung injury in dogs. Sprague RS, et al. **J Appl Physiol** 1986 Sep;61(3):1058-64

Inhibition of cyclooxygenase activity and platelet aggregation by epoxyeicosatrienoic acids. Influence of stereochemistry. Fitzpatrick FA, et al. **J Biol Chem** 1986 Nov 15;261(32):15334-8

Effect of preischemia cyclooxygenase inhibition by zomepirac sodium on reflow, cerebral autoregulation, and EEG recovery in the cat after global ischemia. Stevens MK, et al. **J Cereb Blood Flow Metab** 1986 Dec; 6(6):691-702

Aspirin prolongs bleeding time in uremia by a mechanism

distinct from platelet cyclooxygenase inhibition. Gaspari F, et al. **J Clin Invest** 1987 Jun;79(6):1788–97

9,11–Epoxy–9–homo–14–oxaprosta–5–enoic acid derivatives. Novel inhibitors of fatty acid cyclooxygenase. Hall SE, et al. **J Med Chem** 1986 Nov;29(11):2335–47

Prostaglandin–H synthase inhibition by malonamides. Ring–opened analogues of phenylbutazone. Vennerstrom JL, et al. **J Med Chem** 1987 Feb;30(2):434–7

Preparation and evaluation of electrophilic derivatives of phenylbutazone as inhibitors of prostaglandin–H synthase. Vennerstrom JL, et al. **J Med Chem** 1987 Mar;30(3):563–7

Electronic determinants of the anti–inflammatory action of benzoic and salicylic acids. Mehler EL, et al. **Mol Pharmacol** 1987 Mar;31(3):284–93

Aspirin sensitive asthma and arachidonic acid transformation. Szczeklik A, et al. **New Engl Reg Allergy Proc** 1986 Jan–Feb;7(1):21–5

Cyclooxygenase inhibition and improved oxygenation in patients with pulmonary complications of AIDS. Foster SH, et al. **NY State J Med** 1987 May;87(5):280–2

Electrophysiologic and antiarrhythmic actions of sulphinpyrazone and its sulfide metabolite G25671. Eller BT, et al. **Pharmacology** 1987;34(2–3):121–30

Pharmacokinetics of aspirin and salicylate in relation to inhibition of arachidonate cyclooxygenase and antiinflammatory activity. Higgs GA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1417–20

Salicylates inhibit PAF–acether–induced rat paw oedema when cyclooxygenase inhibitors are ineffective. Cordeiro RS, et al. **Prostaglandins** 1986 Nov;32(5):719–27

Cyclo–oxygenase blockers influence the effects of 15–lipoxygenase metabolites of arachidonic acid in isolated canine blood vessels. Van Diest MJ, et al. **Prostaglandins** 1986 Jul;32(1):97–100

Meclofenamate sodium is an inhibitor of both the 5–lipoxygenase and cyclooxygenase pathways of the arachidonic acid cascade in vitro. Boctor AM, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):229–38

The effects of cyclooxygenase inhibition on chemiluminescence and aggregation in sheep neutrophils. Tahamont MV, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2–3):139–49

Peripheral prostaglandin metabolite levels in women undergoing therapeutic abortions in the first trimester with and without treatment with prostaglandin synthetase inhibitor. Wolfe WM, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):53–9

Inhibition of arachidonic acid metabolism in the perinatal period: pharmacology, clinical application, and potential adverse effects. Witter FR, et al. **Semin Perinatol** 1986 Oct; 10(4):316–33

Intrathoracic platelet accumulation in the guinea–pig induced by intravenous administration of arachidonic acid—effect of cyclooxygenase and thromboxane synthetase inhibitors. Barrett PA, et al. **Thromb Haemost** 1986 Dec 15;56(3):311–7

Increment of prostaglandin E2 in association with elevation of urinary sodium excretion following lead administration. Suketa Y, et al. **Toxicol Lett** 1986 Sep;32(3):221–6

[The effect of benzydamine on the generation and interaction of reactive oxygen species and cyclo– and lipoxygenase] Müller–Peddinghaus R, et al. **Arzneimittelforschung** 1987 May;37(5A):601–5 (Eng. Abstr.) **(Ger)**

[Simultaneous and sequential inhibition of the arachidonic acid cascade by inhibitors of phospholipase A2, cyclooxygenase and lipoxygenases in carrageenan edema and adjuvant arthritis in the rat] Bekemeier H, et al. **Pharmazie** 1986 Jun;41(6):406–8 (Eng. Abstr.) **(Ger)**

[Inhibition of the growth of a murine transplantable tumor, colon 26, by the prostaglandin synthetase inhibitor, indomethacin] Takahashi M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2334–40 (Eng. Abstr.) **(Jpn)**

[2–component inhibition of prostaglandin H synthetase by nonsteroidal anti–inflammatory preparations] Muratov VK, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):46–9 (Eng. Abstr.) **(Rus)**

[Kinetic model of a multienzyme system of blood prostanoid synthesis. II. Dynamic responses to pharmacological agents—inhibitors of prostaglandin H synthetases] Varfolomeev SD, et al. **Mol Biol (Mosk)** 1986 Jul–Aug; 20(4):968–73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Induction of cyclo–oxygenase by interleukin–1 in rheumatoid synovial cells. O'Neill LA, et al. **FEBS Lett** 1987 Feb 9; 212(1):35–9

sn–1,2–Diacylglycerols and phorbol diesters stimulate thromboxane synthesis by de novo synthesis of prostaglandin H synthase in human promyelocytic leukemia cells. Goerig M, et al. **J Clin Invest** 1987 Mar;79(3):903–11

BLOOD

Effect of AA–861, a 5–lipoxygenase inhibitor, on leukotriene synthesis in human polymorphonuclear leukocytes and on cyclooxygenase and 12–lipoxygenase activities in human platelets. Mita H, et al. **Allergy** 1986 Sep;41(7):493–8

The role of platelet cyclooxygenase and lipoxygenase pathways in tumor cell induced platelet aggregation. Honn KV, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):384–9

Purification and characterization of sheep platelet cyclo–oxygenase. Acetylation by aspirin prevents haemin binding to the enzyme. Boopathy R, et al. **Biochem J** 1986 Oct 15;239(2):371–7

Alteration in the levels of serum lipid peroxide, cyclooxygenase activity and free fatty acids in bronchial asthma. Tiwaskar HV, et al. **Indian J Chest Dis Allied Sci** 1986 Jul–Sep;28(3):122–5

Low–dose enteric–coated aspirin: a practical approach to continuous–release low–dose aspirin and presystemic acetylation of human platelet cyclooxygenase. Jakubowski JA, et al. **J Lab Clin Med** 1986 Dec;108(6):616–21

Cyclooxygenase and lipoxygenase metabolites during platelet aggregation: quantitative measurement by negative ion chemical ionization—gas chromatography/mass spectrometry. Malle E, et al. **Prostaglandins Leukotrienes Med** 1987 Apr;27(1):53–70

DEFICIENCY

[Anesthetic management of a patient with platelet cyclo–oxygenase deficiency] Kitahara T, et al. **Masui** 1987 Feb;36(2):261–5 (Eng. Abstr.) **(Jpn)**

GENETICS

Isolation of the cDNA for human prostaglandin H synthase. Hla T, et al. **Prostaglandins** 1986 Dec;32(6):829–45

ISOLATION & PURIFICATION

[Isolation and properties of prostaglandin H synthetase immobilized in insoluble polyelectrolyte complexes] Kirpotin DB, et al. **Biokhimiia** 1986 Aug;51(8):1268–75 (Eng. Abstr.) **(Rus)**

METABOLISM

Acetaminophen as a cosubstrate and inhibitor of prostaglandin H synthase. Harvison PJ, et al. **Adv Exp Med Biol** 1986;197:739–47

Metabolism of diethylstilbestrol by horseradish peroxidase and prostaglandin synthase—evidence for a free radical intermediate. Ross D, et al. **Adv Exp Med Biol** 1986; 197:323–8

Endotoxin–induced alterations in guinea pig coronary vascular beta 2–adrenoceptor function: a role for cyclo–oxygenase products. van Heuven–Nolsen D, et al. **Agents Actions** 1986 Dec;19(5–6):363–5

Comparison of the effects of oral and intravenous aspirin administration on platelet and peripheral vascular cyclo–oxygenase activity: studies in rats and in man. Cerletti C, et al. **Agents Actions [Suppl]** 1986;20:239–48

C5a–induced hemodynamic and hematologic changes in the rabbit. Role of cyclooxygenase products and polymorphonuclear leukocytes. Lundberg C, et al. **Am J Pathol** 1987 Sep;128(3):471–83

Renal effects of angiotensin II: modulation by calcium and cyclooxygenase products. Kasiske BL, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1043–8

Preparative HPLC purification of prostaglandin endoperoxides and isolation of novel cyclooxygenase–derived arachidonic acid metabolites. Hecker M, et al. **Biochem Pharmacol** 1987 Mar 15; 36(6):851–5

Prostaglandin synthase dependent aldrin epoxidation in hepatic and extrahepatic tissues of rats. Lang B, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3643–5

Increase in the formation of leukotriene B4 and other lipoxygenase products in peritoneal macrophages of adrenalectomized rats. Vincent JE, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):350–4

Evidence for increased activity of mouse brain fatty acid cyclooxygenase following drug–induced convulsions. Lysz TW, et al. **Brain Res** 1987 Apr 7;408(1–2):6–12

Prostaglandin H synthase–catalyzed metabolism and DNA binding of 2–naphthylamine. Boyd JA, et al. **Cancer Res** 1987 Aug 1;47(15):4007–14

Reducing substrate activity of some aromatic amines for prostaglandin H synthase. Bull AW. **Carcinogenesis** 1987 Mar;8(3):387–90

The relationship between ionization potential and prostaglandin H synthase–catalyzed binding of aromatic hydrocarbons to DNA. Devanesan P, et al. **Chem Biol Interact** 1987 Jan;61(1):89–95

PGH synthase and lipoxygenase generate superoxide in the presence of NADH or NADPH. Kukreja RC, et al. **Circ Res** 1986 Dec;59(6):612–9

Cyclo–oxygenase and lipoxygenase pathways in cynomolgus and rhesus monkey conjunctiva, anterior uvea and eyelids. Kulkarni PS, et al. **Curr Eye Res** 1987 Jun;6(6):801–8

Prostaglandin endoperoxide synthase in rat ovarian follicles: content, cellular distribution, and evidence for hormonal induction preceding ovulation. Hedin L, et al. **Endocrinology** 1987 Aug;121(2):722–31

Cyclooxygenase–catalyzed formation of 9–hydroxylinoleic acid by guinea pig alveolar macrophages under non–stimulated conditions. Engels F, et al. **FEBS Lett** 1986 Dec 15;209(2):249–53

Effect of single–dose aspirin on TXA2 and PGI2 cyclooxygenases in vivo. Zaragoza R, et al. **Haemostasis** 1987;17(1–2):40–8

Arachidonic acid metabolism in human granulosa cells: evidence for cyclooxygenase and lipoxygenase activity in vitro. Feldman E, et al. **Hum Reprod** 1986 Sep;1(6):353–6

Essential fatty acid deficiency in rats: effects on arachidonate metabolism, generation of cyclooxygenase products and functional responses in neutrophils. Gyllenhammar H, et al. **Immunol Lett** 1986 Oct;13(4):185–9

Central role of cyclooxygenase in the response of canine peripheral airways to antigen. Kleeberger SR, et al. **J Appl Physiol** 1986 Oct;61(4):1309–15

Cyclooxygenase metabolites are compartmentalized in the human lower respiratory tract. Ozaki T, et al. **J Appl Physiol** 1987 Jan;62(1):219–22

Quantitative studies of hydroperoxide reduction by prostaglandin H synthase. Reducing substrate specificity and the relationship of peroxidase to cyclooxygenase activities. Markey CM, et al. **J Biol Chem** 1987 May 5; 262(13):6266–79

Constraints on prostaglandin biosynthesis in tissues. Marshall PJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3510–7

The 1– and 2–electron oxidation of acetaminophen catalyzed by prostaglandin H synthase. Potter DW, et al. **J Biol Chem** 1987 Jan 25;262(3):974–80

Biochemical and immunological characterization of rat spleen prostaglandin D synthetase. Urade Y, et al. **J Biol Chem** 1987 Mar 15;262(8):3820–5

Mass spectrometric evidence for the conversion of exogenous adrenate to dihomo–prostaglandins by seminal vesicle cyclo–oxygenase. A comparative study of two animal species. Ferretti A, et al. **J Chromatogr** 1986 Dec 19; 383(2):241–50

Cooxidation of steroidal and non–steroidal estrogens by purified prostaglandin synthase results in a stimulation of prostaglandin formation. Degen GH, et al. **J Steroid Biochem** 1987 Jun;26(6):679–85

Human chorionic gonadotropin stimulation of immunoreactive prostaglandin synthase in the rat ovary. Huslig RL, et al. **Mol Cell Endocrinol** 1987 Apr; 50(3):237–46

Platelet–activating factor–induced vasoconstriction in rat isolated, perfused hearts: contribution of cyclo–oxygenase and lipoxygenase arachidonic acid metabolites. Stewart AG, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:163–72

Cyclooxygenase and lipoxygenase–like activity in Drosophila melanogaster. Pagés M, et al. **Prostaglandins** 1986 Nov; 32(5):729–40

Stimulation of cyclooxygenase by activated human neutrophils is enhanced by uric acid. Pincemail J, et al. **Prostaglandins** 1986 Jul;32(1):101–5

The detection of 5–lipoxygenase and cyclo–oxygenase products in sputum of patients with chronic bronchitis and bronchiectasis. Zakrzewski JT, et al. **Prostaglandins** 1987 May;33(5):663–74

Increase in the formation of cyclooxygenase and lipoxygenase products in kidneys of adrenalectomized rats. Vincent JE, et al. **Prostaglandins Leukotrienes Med** 1986 Oct; 24(2–3):123–7

[A study on the activity of the PGI2 producing enzyme system derived from maternal and fetal vessels of toxemia of pregnancies] Seki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):905–10 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Metabolism of arylhydrazines by cytochrome P–450 mixed function oxidases and prostaglandin(H)synthase from mouse lungs. Lawson T. **Cancer Lett** 1987 Feb; 34(2):193–200

Macromolecular binding of the thyroid carcinogen 3–amino–1,2,4–triazole (amitrole) catalyzed by prostaglandin H synthase, lactoperoxidase and thyroid peroxidase. Krauss RS, et al. **Carcinogenesis** 1987 May; 8(5):659–64

Prostaglandin H synthase–dependent mutagenic activation of heterocyclic aromatic amines of the IQ–type. Wild D, et al. **Carcinogenesis** 1987 Apr;8(4):541–5

Evidence for a free radical mechanism of styrene–glutathione conjugate formation catalyzed by prostaglandin H synthase and horseradish peroxidase. Stock BH, et al. **J Biol Chem** 1986 Dec 5;261(34):15915–22

PHYSIOLOGY

Endotoxin–induced changes in pulmonary hemodynamics and respiratory mechanics. Role of lipoxygenase and cyclooxygenase products. Ahmed T, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1149–57

Physiologic and pathophysiologic role of cyclo–oxygenase metabolites of arachidonic acid in circulatory disease states. Lefer AM. **Cardiovasc Clin** 1987;18(1):85–99 (62 ref.)

Suppression of fibroblast proliferation by activated macrophages: involvement of H2O2 and a non–prostaglandin E product of the cyclooxygenase pathway. Metzger Z, et al. **Cell Immunol** 1986 Jul; 100(2):501–14

The involvement of histamine, the cyclooxygenase system and the kallikrein–kinin system in acute inflammation generation, demonstrated with the Sephadex model in rats. Egger G, et al. **Exp Pathol** 1987;31(1):39–46

Gastric acidification inhibits meal–stimulated gastric acid secretion after prostaglandin synthesis inhibition by indomethacin in humans. Mogard MH, et al. **Gastroenterology** 1987 Jul;93(1):63–8

Evidence for a role of cyclooxygenase (prostaglandin

synthetase) and prostaglandins in the sperm acrosome reaction and fertilization. Joyce CL, et al. **J Androl** 1987 Mar–Apr;8(2):74–82

Indomethacin, dazoxiben and extravascular lung water after Escherichia coli infusion. Price S, et al. **J Surg Res** 1986 Aug;41(2):189–97

Eicosanoid regulation of oosporogenesis by Lagenidium giganteum. Kerwin JL, et al.
Prostaglandins Leukotrienes Med 1986 Aug;23(2–3):173–8

Cyclooxygenase—independent pathway of phospholipase activation in carrageenan—induced platelet aggregation. Yeh HI, et al. **Thromb Res** 1987 Jan 1;45(1):39–49

[The significance of eicosanoids in glomerular diseases] Stahl RA. **Klin Wochenschr** 1986 Sep 15;64(18):813–23 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Regional release of cyclooxygenase products after radiation exposure of the rat. Schneidkraut MJ, et al.
J Appl Physiol 1986 Oct;61(4):1264–9

PROSTAGLANDIN SYNTHESIS ANTAGONISTS see **ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL**

PROSTAGLANDIN SYNTHETASE see **PROSTAGLANDIN SYNTHASE**

PROSTAGLANDINS

Randomized comparison of different prostaglandin analogues and laminaria tent for preoperative cervical dilatation. World Health Organization Special Programme of Research, Development and Research Training in Human Reproduction: Task Force on Prostaglandins for Fertility Regulation. Krishna U, et al. **Contraception** 1986 Sep; 34(3):237–51

A simplified method for the iodination of prostanoids for radioimmunoassay. Uderman HD, et al.
Prostaglandins Leukotrienes Med 1986 Sep;24(1):69–73

[Prostaglandins] Murota S. **Kokubyo Gakkai Zasshi** 1986 Dec; 53(4):657–67 (40 ref.) **(Jpn)**

ADVERSE EFFECTS

Vaginal prostaglandins [letter] Carr CJ. **Ir Med J** 1987 Jun; 80(6):186

Clinical obstetric use of arachidonic acid metabolites and potential adverse effects. Jacobs MM. **Semin Perinatol** 1986 Oct;10(4):299–315

Prostaglandin reaction [letter] **Vet Rec** 1987 May 2; 120(18):442

Prostaglandin reaction [letter] Head JC, et al. **Vet Rec** 1987 Apr 4;120(14):350–1

ANALYSIS

Prostaglandins in human milk. Alzina V, et al.
Biol Neonate 1986;50(4):200–4

Ammonia (NH3 and N2H3) direct chemical ionization mass spectrometry of underivatized prostaglandin–H2 and other selected stable prostaglandins. Schilling AB, et al.
Biomed Environ Mass Spectrom 1986 Oct;13(10):545–51

Cul–de–sac fluid in women with endometriosis: fluid volume, protein and prostanoid concentration during the periovulatory period—days 13 to 18. Rezai N, et al.
Fertil Steril 1987 Jul;48(1):29–32

Measurement of arachidonate and its metabolites extracted from human normal and malignant gastrointestinal tissues. Bennett A, et al. **Gut** 1987 Mar;28(3):315–8

Concentration of prostaglandins in seminal fluid of fertile men. Bendvold E, et al. **Int J Androl** 1987 Apr;10(2):463–9

Direct analysis of the major human seminal prostaglandins by thermospray high–performance liquid chromatography–mass spectrometry. Abián J, et al.
J Chromatogr 1987 May 8;394(1):147–53

High–performance liquid–chromatographic assay for prostaglandins with the use of p–(9–anthroyloxy)phenacyl bromide. Stein TA, et al. **J Chromatogr** 1987 Jun 12; 395:591–5

Fluorimetric high–performance liquid chromatography of prostaglandins and its application to their determination in human seminal fluid. Yamaguchi M, et al.
J Chromatogr 1986 Aug 2;380(2):257–65

Oocyte maturity and human follicular fluid prostanoids, gonadotropins, and prolactin after administration of clomiphene and pergonal. Jeremy JY, et al.
J Clin Endocrinol Metab 1987 Sep;65(3):402–6

Absence of prostaglandins in semen of men with cystic fibrosis is an indication of the contribution of the seminal vesicles. Bendvold E, et al. **J Reprod Fertil** 1986 Sep; 78(1):311–4

Prostaglandins, leukotrienes, and other arachidonic acid metabolites in nasal polyps and nasal mucosa. Jung TT, et al. **Laryngoscope** 1987 Feb;97(2):184–9

Measurement of prostaglandins by radioimmunoassay. Campbell WB, et al. **Methods Enzymol** 1987;141:323–41

Limitation of deuterium labelled methoximes as internal standards in the mass spectral analysis of prostaglandins. Herold DA, et al. **Prostaglandins** 1987 Apr;33(4):599–602

Profiling of prostaglandin biosynthesis in biopsy fragments of human lung carcinomas and normal human lung by capillary gas chromatography–negative ion chemical ionization mass spectrometry. Hubbard WC, et al.
Prostaglandins 1986 Dec;32(6):889–906

Search of prostaglandins and related compounds in plants. A review of the occurrence of prostaglandins and prostaglandin–like compounds in plants. Panossian AG.
Prostaglandins 1987 Mar;33(3):363–81 (71 ref.)

The detection of 5–lipoxygenase and cyclo–oxygenase products in sputum of patients with chronic bronchitis and bronchiectasis. Zakrzewski JT, et al. **Prostaglandins** 1987 May;33(5):663–74

Measurement by radioimmunoassay of prostaglandins as their methyl oximes. Kelly RW, et al.
Prostaglandins Leukotrienes Med 1986 Sep;24(1):1–14

Low levels of prostaglandins in human milk after purification by high performance liquid chromatography. Ying C, et al. **Prostaglandins Leukotrienes Med** 1986 Oct; 24(2–3):207–18

[Pathogenesis of schizophrenia: assay of PG and cAMP in the CSF and plasma in 25 cases] Li E.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1987 Apr; 20(2):81–3 (Eng. Abstr.) **(Chi)**

[Study of prostaglandins and thromboxanes B2 using mass–spectrometry of secondary ions] Sadovskaia VL, et al. **Bioorg Khim** 1986 Jul;12(7):956–60 (Eng. Abstr.) **(Rus)**

[Changes in the level of prostaglandins and cyclic nucleotides in the uveal tract of the eyes in the acute period of the wound process] Chvialeva KI, et al. **Oftalmol Zh** 1986; (6):369–71 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Influence of neural blockade and indomethacin on leucocyte, temperature, and acute–phase protein response to surgery. Schulze S, et al. **Acta Chir Scand** 1987 Apr;153(4):255–9

Prostaglandins in pathological bone resorption. Harvey W, et al. **Agents Actions** 1986 Oct;19(1–2):73–9

Differences in prostanoid production between healthy and rheumatic synovia in vitro. Moilanen E, et al.
Agents Actions 1987 Feb;20(1–2):98–103

Inhibition of prostaglandin biosynthesis by etodolac. I. Selective activities in arthritis. Neuman RG, et al.
Agents Actions 1987 Jun;21(1–2):160–6

Stimulation of prostaglandin formation by an antigen– and Ia–restricted T–cell–macrophage interaction. Schnyder J, et al. **Agents Actions** 1986 Dec;19(5–6):277–9

Hoigne's syndrome: relevance of anomalous dominance and prostaglandins [letter] Backon J. **Am J Dis Child** 1986 Nov; 140(11):1091–2

Calcium–stimulated synthesis of vasodilator renal microvascular prostanoids. Kirschenbaum MA, et al.
Am J Nephrol 1986;6 Suppl 1:46–8

Biphasic effect of oxygen radicals on prostaglandin production by rat mesangial cells. Adler S, et al.
Am J Physiol 1987 Apr;252(4 Pt 2):F743–9

Prostaglandin independence of kinin–stimulated renin release. Beierwaltes WH. **Am J Physiol** 1987 May;252(5 Pt 2):F794–9

PGE2, PGF2 alpha, 6–keto–PGF1 alpha, and TxB2 synthesis along the rabbit nephron. Farman N, et al.
Am J Physiol 1987 Jan;252(1 Pt 2):F53–9

Effect of serotonin on prostaglandin synthesis in rat cultured mesangial cells. Knauss T, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):F844–50

Effect of protein on glomerular filtration rate and prostanoid synthesis in normal and uremic rats. Levine MM, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):F635–41

High protein intake stimulates glomerular prostaglandin formation in remnant kidneys. Stahl RA, et al.
Am J Physiol 1987 Jun;252(6 Pt 2):F1088–94

Acute effect of paraquat on lung fluid balance and prostanoid production in awake sheep. Shibamoto T, et al.
Am Rev Respir Dis 1986 Dec;134(6):1252–7

Alterations in the lipids and prostaglandins in mouse spleen following the ingestion of menhaden oil. Lokesh BR, et al. **Ann Nutr Metab** 1986;30(6):357–64

Effects of mitoxantrone and bisantrene on platelet aggregation and prostaglandin/thromboxane biosynthesis in vitro. Frank P, et al. **Anticancer Res** 1986 Sep–Oct; 6(5):941–7

Prostaglandin metabolism in umbilical vessels of smoking and non–smoking mothers. Dadak C, et al. **Arch Gynecol** 1987; 240(1):9–12

Salsalate exacerbation of chronic renal insufficiency. Relation to inhibition of prostaglandin synthesis. Abraham PA, et al. **Arch Intern Med** 1987 Sep;147(9):1674–6

Influence of dietary fats on blood coagulation and prostaglandin production in the common marmoset. McIntosh GH, et al. **Arteriosclerosis** 1987 Mar–Apr; 7(2):159–65

Effects of dipyridamole on prostaglandin synthesis in human fibroblasts. Oetliker O, et al. **Arzneimittelforschung** 1987 May;37(5):566–8

Comparison of prostaglandin synthesis by endothelial cells from blood vessels originating in the rat, baboon, calf and human. Taylor L, et al. **Atherosclerosis** 1987 Jun; 65(3):227–36

Prostaglandin synthesis and membrane fatty acid composition in the heart of obese Zucker rats. Escoubet B, et al.
Biochem Biophys Res Commun 1987 Jul 31;146(2):589–95

Gamma interferon inhibits basal and interleukin 1–induced prostaglandin production and bone resorption in neonatal mouse calvaria. Hoffmann O, et al.
Biochem Biophys Res Commun 1987 Feb 27;143(1):38–43

A possible role of protein kinase C in regulating prostaglandin synthesis of mouse peritoneal macrophages. Pfannkuche HJ, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):604–11

Highly sensitive muscarinic receptors in the cerebellum are coupled to prostaglandin formation. Reichman M, et al.
Biochem Biophys Res Commun 1987 Aug 14;146(3):1256–61

Epidermal growth factor (EGF) and tumor promoter 12–O–tetradecanoylphorbol 13–acetate (TPA) stimulate PG synthesis and thymidine incorporation in cultured porcine thyroid cells. Takasu N, et al.
Biochem Biophys Res Commun 1987 Mar 30;143(3):880–4

Lack of correlation between TPA–induced prostaglandin biosynthesis and ornithine decarboxylase activity in Balb/c mouse 3T3 fibroblasts [published erratum appears in Biochem Biophys Res Commun 1987 Jan 15;142(1):287] Tragni E, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):186–95

Prostaglandin synthesizing enzyme activities of hepatocytes and non–hepatocytes in rat liver as a function of age. Park SW, et al. **Biochem Int** 1986 Nov;13(5):827–34

Sertoli–cell prostaglandin synthesis. Effects of (follitropin) differentiation and dietary vitamin E. Cooper DR, et al.
Biochem J 1987 Feb 1;241(3):847–55

Stimulation of phosphoinositide hydrolysis by oxytocin and the mechanism by which oxytocin controls prostaglandin synthesis in the ovine endometrium. Flint AP, et al.
Biochem J 1986 Aug 1;237(3):797–805

Effects of pressure overload and insulin on protein turnover in the perfused rat heart. Prostaglandins are not involved although their synthesis is stimulated by insulin. Smith DM, et al. **Biochem J** 1987 Apr 15;243(2):473–9

Stimulation of prostaglandin production by (2E,6Z,10E)–7–hydroxymethyl–3,11,15–trimethyl–2,6,10,14–+ + +hexadecatetrae n–1–ol (plaunotol), a new anti–ulcer drug, in vitro and in vivo [published erratum appears in Biochem Pharmacol 1987 May 15;36(1):1753] Ushiyama S, et al. **Biochem Pharmacol** 1987 Feb 1; 36(3):369–75

Recovery of porcine aortic endothelial cell prostaglandin synthesis following inhibition by sublethal concentrations of hydrogen peroxide. Barchowsky A, et al.
Biochim Biophys Acta 1987 Mar 11;927(3):372–81

Kinetics of the generation and action of chemical mediators in zymosan–induced inflammation of the rabbit peritoneal cavity. Forrest MJ, et al. **Br J Pharmacol** 1986 Dec; 89(4):719–30

Eicosanoid synthesis by human urinary bladder mucosa: pathological implications. Jeremy JY, et al. **Br J Urol** 1987 Jan;59(1):36–9

Increased prostaglandin formation in rat brain following systemic application of kainic acid. Baran H, et al.
Brain Res 1987 Feb 24;404(1–2):107–12

Induction of prostaglandin production by hyperthermia in murine peritoneal exudate macrophages. Chen BD, et al.
Cancer Res 1987 Jan 1;47(1):11–5

Prostaglandin and thromboxane synthesis by M5076 ovarian reticulosarcoma during growth: effects of a thromboxane synthetase inhibitor. Chiabrando C, et al. **Cancer Res** 1987 Feb 15;47(4):988–91

Interleukin 1 and prostaglandin production by cells of the mononuclear phagocyte system isolated from mycobacterial granulomas. Montreewasuwat N, et al.
Cell Immunol 1987 Jan;104(1):12–23

Evidence that bradykinin stimulates renal prostaglandin synthesis by a mechanism distinct from that of other vasoactive substances. Cooper CL, et al. **Circ Res** 1987 Jun;60(6):914–22

Regulation by calcium of arachidonic acid metabolism in the isolated perfused rabbit heart. Weis MT, et al. **Circ Res** 1986 Dec;59(6):694–703

Release of eicosanoids from white blood cells, platelets, smooth muscle cells, and endothelial cells in response to endotoxin and A23187. Bottoms GD, et al. **Circ Shock** 1986; 20(1):25–34

NADH–dependent prostaglandin E2–9–ketoreductase activity and prostaglandin synthesis in the Brattleboro rat kidney: effects of the antidiuretic hormone. Rathaus M, et al. **Clin Chim Acta** 1986 Oct 31;160(2):205–10

Effects of indomethacin on furosemide induced renal prostaglandin synthesis and action in man. Kim RB, et al.
Clin Invest Med 1986;9(3):192–7

De novo biosynthesis of prostaglandins by the Australian field cricket, Teleogryllus commodus. Stanley–Samuelson D, et al. **Comp Biochem Physiol [C]** 1986;85(2):303–7

Gastric mucosal protection by agents altering gastric mucosal sulfhydryls. Role of endogenous prostaglandins. Konturek SJ, et al. **Digestion** 1987;37(2):67–71

Atrial natriuretic factor does not stimulate prostaglandin synthesis in isolated rat glomeruli. Hayashi K, et al.
Endocrinol Jpn 1986 Jun;33(3):369–73

Differential inhibition of prostaglandin and superoxide production by dexamethasone in primary cultures of rat Kupffer cells. Dieter P, et al. **Eur J Biochem** 1986 Sep 15;159(3):451–7

Rat lens prostaglandin biosynthesis during galactose–induced cataractogenesis. Keeting PE, et al. **Exp Eye Res** 1986 Dec; 43(6):1103–10

Effects of oxygen, calcium ionophore, and arachidonic acid on prostaglandin production by monolayer cultures of mixed cells and endothelial cells from rat fetal lungs. Olson DM, et al. **Exp Lung Res** 1987;12(3):207–21

Eicosanoid production by the coronary microvascular endothelium. Gerritsen ME. **Fed Proc** 1987 Jan;46(1):47–53 (65 ref.)

Production of eicosanoids by the killifish gills and opercular epithelia and their effect on active transport of ions. Van Praag D, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):50–7

Double blind controlled study on the effect of sucralfate on gastric prostaglandin formation and microbleeding in normal and aspirin treated man. Konturek SJ, et al. **Gut** 1986 Dec;27(12):1450–6

Effect of enfenamic acid on prostaglandin synthesis. Rao AB, et al. **Indian J Exp Biol** 1986 Apr;24(4):246–7

Clofazimine–mediated stimulation of prostaglandin synthesis and free radical production as novel mechanisms of drug–induced immunosuppression. Zeis BM, et al. **Int J Immunopharmacol** 1986;8(7):731–9

Protective effect of indomethacin against exercise–induced injuries in mouse skeletal muscle fibers. Salminen A, et al. **Int J Sports Med** 1987 Feb;8(1):46–9

Protection by mild irritants against indomethacin–induced gastric mucosal damage in the rat: role of prostaglandin synthesis. Ligumsky M, et al. **Isr J Med Sci** 1986 Nov; 22(11):807–11

Effect of vasoactive agents on prostanoid synthesis in isolated rat glomeruli. Podjarny E, et al. **Isr J Med Sci** 1986 Nov; 22(11):797–800

A review: prostaglandins, aging, and blood vessels. Menconi M, et al. **J Am Geriatr Soc** 1987 Mar;35(3):239–47

Constraints on prostaglandin biosynthesis in tissues. Marshall PJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3510–7

Evidence of protein kinase C involvement in phorbol diester–stimulated arachidonic acid release and prostaglandin synthesis. Parker J, et al. **J Biol Chem** 1987 Apr 15;262(11):5385–93

Head injury induces increased prostaglandin synthesis in rat brain. Shohami E, et al. **J Cereb Blood Flow Metab** 1987 Feb;7(1):58–63

Cyclic AMP inhibits the release of prostaglandins and arachidonic acid from cultures of mouse embryo palate mesenchyme cells. Chabot MC, et al. **J Craniofac Genet Dev Biol** 1986;6(3):223–34

Influence of Epilobium extracts on prostaglandin biosynthesis and carrageenin induced oedema of the rat paw. Hiermann A, et al. **J Ethnopharmacol** 1986 Aug;17(2):161–9

Prostaglandin synthesis in human T cells: its partial inhibition by lectins and anti–CD3 antibodies as a possible step in T cell activation. Aussel C, et al. **J Immunol** 1987 May 15;138(10):3094–9

Synergistic stimulation of fibroblast prostaglandin production by recombinant interleukin 1 and tumor necrosis factor. Elias JA, et al. **J Immunol** 1987 Jun 1;138(11):3812–6

Gender differences in eicosanoid production from macrophages of arthritis–susceptible mice. Leslie CA, et al. **J Immunol** 1987 Jan 15;138(2):413–6

Prostaglandin synthesis is independent of androgen levels in rat male genitalia. Klein LA, et al. **J Lab Clin Med** 1987 Apr;109(4):402–8

In vitro formation of activators for prostaglandin synthesis by neutrophils and macrophages from humans and guinea pigs. Marshall PJ, et al. **J Lab Clin Med** 1986 Dec; 108(6):525–34

Free radicals and prostanoid synthesis [editorial] Sedor JR. **J Lab Clin Med** 1986 Dec;108(6):521–2

Enhanced prostaglandin synthesis due to phospholipid breakdown in ischemic–reperfused myocardium. Control of its production by a phospholipase inhibitor or free radical scavengers. Otani H, et al. **J Mol Cell Cardiol** 1986 Sep; 18(9):953–61

Effect of dexamethasone on prostaglandin synthesis in various areas of the rat brain. Weidenfeld J, et al. **J Neurochem** 1987 May;48(5):1351–4

Oral nimodipine reduces prostaglandin and thromboxane production by arteries chronically exposed to a periarterial haematoma and the antifibrinolytic agent tranexamic acid. Pickard JD, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun; 50(6):727–31

Effect of pyridoxine on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **J Pharm Pharmacol** 1987 Apr;39(4):314–5

Comparison of the effects of Fe2+ and Cu2+ on prostaglandin synthesis in rabbit kidney medulla slices. Fujita T, et al. **J Pharm Pharmacol** 1987 Mar;39(3):230–3

Treatment with dexamethasone increases glomerular prostaglandin synthesis in rats. Erman A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):296–301

Differential influence of calcium channel–blockers on prostanoid generation and thromboxane–mediated vasoconstriction in rabbit lungs. Seeger W, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):646–53

Cyclohexamide inhibition of ovulation, prostaglandin biosynthesis and steroidogenesis in rabbit ovarian follicles. Espey LL. **J Reprod Fertil** 1986 Nov;78(2):679–83

Effect of human chorionic gonadotrophin and indomethacin on ovulation, steroidogenesis and prostaglandin synthesis in preovulatory follicles of PMSG–primed immature rats. Munalulu BM, et al. **J Reprod Fertil** 1987 May;80(1):229–34

Cooxidation of steroidal and non–steroidal estrogens by purified prostaglandin synthase results in a stimulation of prostaglandin formation. Degen GH, et al. **J Steroid Biochem** 1987 Jun;26(6):679–85

Glucocorticosteroid regulation of prostaglandin biosynthesis in human myometrial smooth muscle cells in monolayer culture. Richardson MR, et al. **J Steroid Biochem** 1986 Oct; 25(4):521–6

The clinical significance of inhibition of renal prostaglandin synthesis. Patrono C, et al. **Kidney Int** 1987 Jul;32(1):1–12 (117 ref.)

Glomerular epithelial cell, polyanion neutralization is associated with enhanced prostanoid production. Pugliese F, et al. **Kidney Int** 1987 Jul;32(1):57–61

Enhanced glomerular prostaglandin formation in experimental membranous nephropathy. Stahl RA, et al. **Kidney Int** 1987 May;31(5):1126–31

The role of prostaglandin synthesis inhibition in the renal syndromes associated with non–narcotic analgesics. Patrono C. **Med Toxicol** 1986;1 Suppl 1:23–33 (46 ref.)

Measurement of prostaglandin production by isolated tissues and cells in culture. Whorton AR. **Methods Enzymol** 1987; 141:341–50

Inhibition of prostaglandin synthesis in rat kidney perfused with and without erythrocytes: implication for analgesic nephropathy. Brezis M, et al. **Miner Electrolyte Metab** 1986;12(5–6):326–32

Effect of experimental diabetes on glomerular filtration rate and glomerular prostanoid production in the rat. Kirschenbaum MA, et al. **Miner Electrolyte Metab** 1986; 12(5–6):352–5

Prostanoid synthesis by the rat urinary bladder: evidence for stimulation through muscarine receptor–linked calcium channels. Jeremy JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):463–7

Effects of intravenous aspirin on prostaglandin synthesis and kidney function in intensive care patients. Bock HA, et al. **Nephrol Dial Transplant** 1986;1(3):164–9

Inhibitory effects of a novel platelet activating factor (PAF) antagonist (BN 52021) on antigen–induced prostaglandin and thromboxane formation by the guinea pig lung. Harczy M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:111–7

Inhibitory action of shosaikoto and daisaikoto (traditional Chinese medicine) on collagen–induced platelet aggregation and prostaglandin biosynthesis. Amagaya S, et al. **Planta Med** 1986 Oct;(5):345–9

Essential fatty acids and prostaglandins. Dupont J. **Prev Med** 1987 Jul;16(4):485–92

Eicosanoids in neoplasia. Karmali RA. **Prev Med** 1987 Jul; 16(4):493–502

Arachidonic acid metabolism. McGiff JC. **Prev Med** 1987 Jul;16(4):503–9 (25 ref.)

Prostacyclin–stimulating drugs: new prospects. Boeynaems JM, et al. **Prostaglandins** 1986 Jul;32(1):145–9

Regulation of prostaglandin biosynthesis by human ovarian follicular fluid: a mechanism for ovulation? Carson R, et al. **Prostaglandins** 1986 Jul;32(1):49–55

Control of prostanoid synthesis: role of reincorporation of released precursor fatty acids. Goppelt–Struebe M, et al. **Prostaglandins** 1986 Sep;32(3):373–85

Relationship between cellular calcium and prostaglandin synthesis in cultured vascular smooth muscle cells. Hassid A, et al. **Prostaglandins** 1986 Sep;32(3):457–78

Prostaglandin production in cultured gastric mucosal cells: role of cAMP on its modulation. Hiraishi H, et al. **Prostaglandins** 1986 Aug;32(2):259–73

Pharmacological modulation of prostaglandin production by phagocytic cells of the thymic reticulum in relation to immunoregulation. Homo–Delarche F, et al. **Prostaglandins** 1986 Jul;32(1):92–6

Production of leukotrienes and prostaglandins in the rat uterus during peri–implantation period. Malathy PV, et al. **Prostaglandins** 1986 Oct;32(4):605–14

Naturally occurring conjugated octadecatrienoic acids are strong inhibitors of prostaglandin biosynthesis. Nugteren DH, et al. **Prostaglandins** 1987 Mar;33(3):403–17

Effects of hydrocortisone, oestradiol and progesterone on A23187–stimulated prostaglandin output from the guinea–pig uterus superfused in vitro. Poyser NL. **Prostaglandins** 1987 Jan;33(1):101–12

Prostaglandin synthesis along the gastrointestinal tract of the rabbit: differences in total synthesis and profile. Preclik G, et al. **Prostaglandins** 1987 Mar;33(3):459–77

Polycations as prostaglandin synthesis inducers. II. Structure–activity relationships. Shier WT, et al. **Prostaglandins** 1986 Jun;31(6):1145–57

Opposite effects of adrenalectomy on eicosanoid release in rat peritoneal macrophages and spleen. Vincent JE, et al. **Prostaglandins** 1986 Jul;32(1):132–6

Effect of OKY–046, a selective thromboxane inhibitor, on prostaglandin production and function of pregnant rat uteri and platelets. Ghodgaonkar RB, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):33–46

Differential effects of diuretics on eicosanoid biosynthesis. Grose JH, et al. **Prostaglandins Leukotrienes Med** 1986 Oct; 24(2–3):103–9

Studies on the prostaglandin synthesizing capacity of several blood vessels from male and female rats. Lennon EA, et al. **Prostaglandins Leukotrienes Med** 1987 Apr;27(1):15–26

Effect of age on vascular prostaglandin production in male and female rats. Lennon EA, et al. **Prostaglandins Leukotrienes Med** 1986 Nov;25(1):1–15

The influence of dietary marine oil (Polepa) and evening primrose oil (Efamol) on prostaglandin production by the rat mesenteric vasculature. Nassar BA, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):253–63

Effect of actinomycin D on prostaglandin synthesis by and output from the guinea–pig uterus. Poyser NL, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):153–68

Effects of chronic administration of doxorubicin on heart phospholipase A2 activity and in vitro synthesis and degradation of prostaglandins in rats. Robison TW, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):59–74

Effects of 5–bromo–2'–deoxyuridine on arachidonic acid metabolism of neuroblastoma and leukemia cells in culture: a possible role of endogenous prostaglandins in tumor cell proliferation and differentiation. Tsunamoto K, et al. **Prostaglandins Leukotrienes Med** 1987 Feb;26(2):157–69

Conversion of arachidonate to prostanoids by lung microsomes from rats fed varying amounts of vitamin E. Wu–Wang CY, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):291–8

Effect of methyl mercury on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):115–9

The regulation of prostaglandin biosynthesis by the manipulation of essential fatty acid metabolism. Horrobin DF. **Rev Pure Appl Pharmacol Sci** 1983 Oct–Dec; 4(4):339–83 (261 ref.)

Altered angiotensin–prostanoid interactions in umbilical arteries in pregnancy–induced hypertension. Bjøro K, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:91–6

Prostaglandin synthesis in the human gastrointestinal mucosa. Aly A, et al. **Scand J Gastroenterol [Suppl]** 1987;127:35–8 (23 ref.)

Prostaglandin biosynthesis in gastroduodenal mucosa: methodological difficulties and their implications. Stange EF, et al. **Scand J Gastroenterol [Suppl]** 1986;125:121–7

The pathways of biosynthesis for prostaglandins by the stimulus triggered macrophage. Bonney RJ, et al. **Scand J Rheumatol [Suppl]** 1981;40:53–7

Inhibition of renal prostaglandin synthesis in man: methodological and clinical implications. Patrono C. **Scand J Rheumatol [Suppl]** 1986;62:14–25

The initiation of labor in women: regulation of phospholipid and arachidonic acid metabolism and of prostaglandin production. Casey ML, et al. **Semin Perinatol** 1986 Oct; 10(4):270–5

Postischemic production of eicosanoids in gerbil brain. Kempski O, et al. **Stroke** 1987 Jan–Feb;18(1):111–9

Cardiotoxicity of Naja nigricollis phospholipase A2 is not due to alterations in prostaglandin synthesis. Barrington PL, et al. **Toxicon** 1986;24(11–12):1107–16

Evidence that renal prostaglandin and thromboxane production is stimulated in chronic cyclosporine nephrotoxicity. Coffman TM, et al. **Transplantation** 1987 Feb;43(2):282–5

[The effect of benzydamine on prostaglandin synthesis in macrophages] Goppelt–Strübe M, et al. **Arzneimittelforschung** 1987 May;37(5A):621–3 (Eng. Abstr.) **(Ger)**

[Polyene fatty acids and prostaglandin biosynthesis] Adam O. **Verh Dtsch Ges Inn Med** 1986;92:600–10 **(Ger)**

[Role of prostanoids in the pathogenesis and therapy of peptic ulcer] Fich A, et al. **Harefuah** 1986 Nov 16;111(10):292–5 (Eng. Abstr.) **(Heb)**

[The effect of verbenone on prostaglandin production in vivo] Chiariello M, et al. **Boll Chim Farm** 1986 Nov; 125(11):392–4 (Eng. Abstr.) **(Ita)**

[Non–steroidal anti–inflammatory drugs. Suppression of biological response and non–steroidal anti–inflammatory drugs] Nishikawa M, et al. **Nippon Rinsho** 1987 May; 45(5):1093–101 (23 ref.) **(Jpn)**

[Ability of human corpus luteum to produce prostaglandins and their effects on progesterone production of human corpus luteum] Endoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1149–50 **(Jpn)**

[Regulation of prostaglandin production in cultured gastric mucosal cells] Hiraishi H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2455 **(Jpn)**

[Microbiological synthesis and transformation of prostaglandins] Milman IA, et al. **Prikl Biokhim Mikrobiol** 1986 Sep–Oct;22(5):595–606 (61 ref.) (Eng. Abstr.) **(Rus)**

[Characteristics of prostanoid synthesis in patients with duodenal ulcer complicated by a history of hemorrhage] Fisher AA, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):66–73 (Eng. Abstr.) **(Rus)**

BLOOD

Pulmonary hypertension and prostaglandins after protamine. McIntyre RW, et al. **Am J Cardiol** 1986 Oct 1;58(9):857–8

Effect of fetal and maternal intravascular antipyrine infusion on maternal plasma prostaglandin concentrations in the pregnant sheep at 104 to 127 days' gestation. Pimentel G, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1181–5

Prostaglandin production and extracorporeal complement activation by dialyzer membranes. Mahiout A, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):88–92

Peripherally detectable hormones—their relation to the increased uterine activity during standing in pregnant women. von Mandach U, et al. **Biol Res Pregnancy Perinatol** 1987;8(1 1ST Half):7–12

Determination of prostaglandins, and other metabolites of arachidonic acid by thermospray HPLC/MS using post column derivatization. Voyksner RD, et al. **Biomed Environ Mass Spectrom** 1987 May;14(5):213–20

Effects of chronic administration of doxorubicin on plasma levels of prostaglandins, thromboxane B2, and fatty acids in rats. Robison TW, et al.
Cancer Chemother Pharmacol 1987;19(3):213–20

9-Anthryldiazomethane–HPLC method for detection of prostaglandins and thromboxane: an application to the measurement of the products of stimulated rabbit platelets. Yamaki K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug; 34(8):3526–9

Prostaglandins and related products profiled by GC/MS with negative-ion chemical-ionization detection. Pace-Asciak CR. **Clin Invest Med** 1987 May;10(3):117–20

Prostaglandin metabolism in children with diabetes mellitus. I. Plasma prostaglandin E2, F2 alpha, TXB2, and serum fatty acid levels. Arisaka M, et al.
J Pediatr Gastroenterol Nutr 1986 Nov–Dec;5(6):878–82

The clinical significance of prostaglandins and thromboxane as mediators of septic shock. Oettinger W, et al.
Klin Wochenschr 1987 Jan 15;65(2):61–8

Correlation between blood prostaglandins and blood pressure in chronic renal failure. Kishimoto T, et al. **Nephron** 1987; 47(1):49–55

Arachidonic acid metabolites in a nephroblastoma associated with paraneoplastic hypercalcemia. Calò L, et al.
Prostaglandins 1986 Jul;32(1):116–20

Peripheral plasma levels of prostaglandin metabolites, cortisol and prolactin in women undergoing falope ring application and tubal cautery. Wolfe WM, et al.
Prostaglandins Leukotrienes Med 1986 Nov;25(1):31–8

The behaviour of prostanoids during the course of acute experimental pancreatitis in rats. Kiviniemi H, et al.
Res Exp Med (Berl) 1986;186(6):449–53

Platelet dysfunction and alteration of prostaglandin metabolism after chronic alcohol consumption. Arai M, et al. **Scand J Gastroenterol** 1986 Nov;21(9):1091–7

Essential fatty acid and prostaglandin metabolism in Sjögren's syndrome, systemic sclerosis and rheumatoid arthritis. Horrobin DF. **Scand J Rheumatol [Suppl]** 1986;61:242–5 (16 ref.)

Purification and quantification of arachidonate metabolites: critical evaluation of methods and interpretation of results. Wu-Wang CY, et al. **Semin Perinatol** 1986 Oct; 10(4):255–69

Effect of ozone exposure on lung functions and plasma prostaglandin and thromboxane concentrations in guinea pigs. Miller PD, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):132–40

[Modification of prostaglandin metabolism (increased susceptibility to thrombosis?) by roentgen contrast media in arteriography] Krause FJ. **Rontgenpraxis** 1987 Jan; 40(1):15–8 **(Ger)**

[Eicosanoids and the gastrointestinal tract] Peskar BM.
Verh Dtsch Ges Inn Med 1986;92:623–31 **(Ger)**

[Hemodynamic effects of nitroglycerin following acute inhibition of prostaglandin synthesis] Punzengruber C, et al. **Z Kardiol** 1986 Nov;75(11):676–81 (Eng. Abstr.) **(Ger)**

[Prostaglandin] Kanaji K, et al. **Rinsho Byori** 1987 Jun;Spec No 71:92–101 (17 ref.) **(Jpn)**

[Content of endogenous prostanoids in patients with paroxysmal supraventricular disorders of the heart rhythm] Smetnev AS, et al. **Kardiologiia** 1986 Jun;26(6):18–22 (Eng. Abstr.) **(Rus)**

[Effect of short-term space flights on the activity of the renin–angiotensin–aldosterone system and on the blood concentration of cyclic nucleotides and prostaglandins] Afonin BV, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct; 20(5):27–30 (Eng. Abstr.) **(Rus)**

[Prostaglandin changes in the blood plasma of patients with vibration-induced disease] Balagova LV. **Vrach Delo** 1986 Aug;(8):112–3 (Eng. Abstr.) **(Rus)**

[Blood plasma prostanoids in coronary atherosclerosis patients] Tsculiko VI. **Vrach Delo** 1986 Aug;(8):33–6 (Eng. Abstr.) **(Rus)**

[Level of prostaglandins, cyclic nucleotides, renin and aldosterone in the plasma of patients with essential hypertension] Valenkevich LN, et al. **Vrach Delo** 1987 Jan; (1):61–3 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Leukotrienes increase levels of prostanoids in cerebrospinal fluid in piglets. Busija DW, et al. **Prostaglandins** 1986 Dec; 32(6):803–11

CLASSIFICATION

Determining the type of prostaglandins excreted from the smooth muscles under the influence of the activating serum factor in women with pathological pregnancy. Milieva E, et al. **Folia Med (Plovdiv)** 1986;28(3):32–6

DEFICIENCY

Prostaglandin deficiency by itself is not the cause of mepirizole-induced duodenal ulcers in rats. Robert A, et al. **Dig Dis Sci** 1987 Sep;32(9):997–1003

IMMUNOLOGY

Involvement of prostaglandins in immunosuppression caused by adenovirus in mice. Berencsi K, et al.
Acta Virol (Praha) 1987 Jan;31(1):74–7

Involvement of prostaglandins in the immune alterations caused by the exposure of mice to ultraviolet radiation. Chung HT, et al. **J Immunol** 1986 Oct 15;137(8):2478–84

[Participation of prostaglandins in the regulation of infection and immunity] Rezhabek AE.
Zh Mikrobiol Epidemiol Immunobiol 1986 Aug;(8):100–5 (38 ref.) **(Rus)**

ISOLATION & PURIFICATION

Extraction and identification of different prostaglandins in Allium cepa. Al-Nagdy SA, et al.
Comp Biochem Physiol [C] 1986;85(1):163–6

METABOLISM

The effect of calcium on renin, aldosterone and prostaglandin release. Nadler JL, et al. **Adv Exp Med Biol** 1986; 208:405–16 (28 ref.)

A subchronic study of the effect of etodolac on the gastric mucosal prostaglandin levels in the rat. Lee DK, et al.
Agents Actions 1986 Nov;19(3–4):228–32

Hepatic triacylglycerol accumulation induced by ethanol and carbon tetrachloride: interactions with essential fatty acids and prostaglandins. Cunnane SC. **Alcoholism (NY)** 1987 Feb;11(1):25–31 (96 ref.)

Essential fatty acids, prostaglandins, and alcoholism: an overview. Horrobin DF. **Alcoholism (NY)** 1987 Feb; 11(1):2–9 (103 ref.)

Alcohol, pregnancy, and prostaglandins. Randall CL, et al.
Alcoholism (NY) 1987 Feb;11(1):32–6 (46 ref.)

Effect of antipyrine on prostaglandin levels and uterine and umbilical blood flow. Cashner KA, et al.
Am J Obstet Gynecol 1986 Dec;155(6):1305–10

Ovarian stromal and luteal tissue prostaglandins, 17 beta-estradiol, and progesterone in relation to the phases of the menstrual cycle in women. Vijayakumar R, et al.
Am J Obstet Gynecol 1987 Apr;156(4):947–51

Effects of gluco- and antiglucocorticoids on renal and aortic prostaglandin synthesis. Grünfeld JP, et al.
Am J Physiol 1986 Nov;251(5 Pt 2):F810–6

Mechanism of NaCl transport-stimulated prostaglandin formation in MDCK cells. Kurtz A, et al.
Am J Physiol 1987 Mar;252(3 Pt 1):C307–14

Gallbladder prostaglandins and lysophospholipids as mediators of mucin secretion during cholelithiasis. LaMorte WW, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G701–9

Leukocytic pyrogen effects on prostaglandins in hypothalamic tissue slices. Scott IM, et al.
Am J Physiol 1987 Jul;253(1 Pt 2):R71–6

Arachidonic acid metabolites in cutaneous carcinomas [letter] Rustin MH, et al. **Arch Dermatol** 1987 Feb;123(2):159

Production of steroids and release of prostaglandins by spherical pig blastocysts in vitro. Stone BA, et al.
Aust J Biol Sci 1986;39(3):283–93

Effects of insulin and prior exercise on prostaglandin release from perfused rat muscle. Evidence that prostaglandins do not mediate changes in glucose uptake. Zorzano A, et al.
Biochem J 1986 Dec 1;240(2):437–43

Prostaglandin concentrations in peripheral plasma and ovarian and uterine plasma and tissue in relation to oviposition in hens. Olson DM, et al. **Biol Reprod** 1986 Dec;35(5):1140–6

Muscarinic and dopaminergic receptors in the aging human brain. Rinne JO. **Brain Res** 1987 Feb 24;404(1–2):162–8

Eicosanoids and metastasis: experimental aspects in Lewis lung carcinoma. Karmali RA, et al.
Cancer Biochem Biophys 1986 Dec;9(1):97–104

Prostaglandins, thromboxane and leukotriene in human follicular fluid. Heinonen PK, et al. **Clin Reprod Fertil** 1986 Aug;4(4):253–7

Interaction between renal prostaglandins and angiotensin II in controlling glomerular filtration in the dog. Olsen ME, et al. **Clin Sci** 1987 Apr;72(4):429–36

Prostaglandins in experimental and clinical hypertension. Cinotti GA, et al. **Contrib Nephrol** 1987;54:9–20 (72 ref.)

Processing of hormones and hormone-like substances from milk in the gastrointestinal tract of suckling rats. Koldovský O, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):119–30

The effect of oxytocin and betamimetic stimulation on prostaglandin release in perfused human fetal placenta. Ekblad U. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov; 23(3–4):153–8

The role of cAMP and prostaglandins in gastric acid secretion after pentagastrin administration. Altomonte L, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):219–22

Rat lens prostaglandin generation proceeds by the non-enzymatic degradation of PGH2 endoperoxide. Keeting PE, et al. **Exp Eye Res** 1987 Feb;44(2):261–8

Role of endogenous gastric mucosal prostaglandins in the formation of acute gastric mucosal lesions induced by aspirin, ethanol, HCl and CH3COOH. Amioka I, et al.
Gastroenterol Jpn 1987 Jun;22(3):273–9

Effect of indomethacin on gastric mucosal prostaglandins in humans. Correlation with mucosal damage. Redfern JS, et al. **Gastroenterology** 1987 Apr;92(4):969–77

Synthesis of prostaglandin E2, thromboxane B2 and prostaglandin catabolism in gastritis and gastric ulcer. Hawkey CJ. **Gut** 1986 Dec;27(12):1484–92

cAMP levels from endogenous and exogenous arachidonic acid in isolated dog lung. Littner MR, et al.
J Appl Physiol 1987 Jul;63(1):245–51

Cyclic AMP, prostaglandins and leukaemia: relevance to lithium-induced leukaemia [letter] Das UN.
J Assoc Physicians India 1986 Sep;34(9):672

The effect of dietary fish oil and salt on blood pressure and eicosanoid metabolism of spontaneously hypertensive rats. Codde JP, et al. **J Hypertens** 1987 Apr;5(2):137–42

Prostaglandins and experimental hypertension: a review with special emphasis on the effect of dietary lipids. Codde JP, et al. **J Hypertens** 1986 Dec;4(6):675–86 (153 ref.)

Effect of bicuculline-induced status epilepticus on prostaglandins and hydroxyeicosatetraenoic acids in rat brain subcellular fractions. Birkle DL, et al.
J Neurochem 1987 Jun;48(6):1768–78

Acetylcholine releases prostaglandins from brain slices incubated in vitro. Reichman M, et al. **J Neurochem** 1987 Oct;49(4):1216–21

Effects of hypoxia and anoxia on the ex vivo release of prostaglandins from mouse cortical slices. Shohami E, et al. **J Neurochem** 1986 Dec;47(6):1678–81

Beagle pup model of brain injury: regional cerebral blood flow and cerebral prostaglandins. Ment LR, et al.
J Neurosurg 1987 Aug;67(2):278–83

Beagle puppy model of perinatal cerebral infarction. Regional cerebral prostaglandin changes during acute hypoxemia. Ment LR, et al. **J Neurosurg** 1986 Dec;65(6):851–5

Peritoneal macrophages from mice fed dietary (n-3) polyunsaturated fatty acids secrete low levels of prostaglandins. Lokesh BR, et al. **J Nutr** 1986 Dec; 116(12):2547–52

Effect of maternal dietary linoleic acid and trans-octadecenoic acid on the fatty acid composition and prostaglandin content of rat milk. Wickwire MA, et al. **J Nutr** 1987 Feb;117(2):232–41

Indomethacin for prevention of intraventricular hemorrhage in low birth weight infants [letter] Kühl PG, et al.
J Pediatr 1986 Oct;109(4):728–9

The effects of new local anti-inflammatory steroids on leucocyte migration and prostanoid liberation in rats. Bird J, et al. **J Pharm Pharmacol** 1986 Aug;38(8):589–94

Increase of cyclic AMP concentrations in cultured vascular smooth muscle cells by vasoactive peptide hormones. Role of endogenous prostaglandins. Hassid A.
J Pharmacol Exp Ther 1986 Nov;239(2):334–9

Pulmonary alveolar proteinosis: determination of prostaglandins and leukotrienes in lavage fluid. Zijlstra FJ, et al. **Lung** 1987;165(2):79–89

Kallikrein-kinin system and prostaglandins interactions: relevant to hypertension. Sharma JN.
Pharmacol Res Commun 1986 Jul;18(7):639–52

Prostaglandins in peptic ulcer disease. Their postulated role in the pathogenesis and treatment. Wilson DE.
Postgrad Med 1987 Mar;81(4):309–16 (45 ref.)

New mediators in tissue reactions. 7 December 1986, Brussels, Belgium. **Prostaglandins** 1986 Jul;32(1):86–163

Biliary, fecal and urinary excretion of [3H]-prostaglandins in the rat. Dashman T, et al. **Prostaglandins** 1987 Mar; 33(3):419–29

Testing the "redirection hypothesis" of prostaglandin metabolism in the kidney. Datar S, et al. **Prostaglandins** 1987 Feb;33(2):275–85

Effect of prostaglandin synthesis inhibition on human corpus luteum function. Gibson M, et al. **Prostaglandins** 1986 Jun; 31(6):1023–8

Differential inhibition of human placental prostaglandin release in vitro by a GnRH antagonist. Siler-Khodr TM, et al. **Prostaglandins** 1986 Jun;31(6):1003–10

Release of endogenous prostaglandins by mild hyperosmotic saline inhibits tetragastrin-stimulated gastric acid secretion in rats. Suzuki Y, et al. **Prostaglandins** 1986 Sep; 32(3):401–14

Metabolism of arachidonic acid and synthesis of prostanoids in human endometrium and decidua. Ishihara O, et al.
Prostaglandins Leukotrienes Med 1986 Sep;24(1):93–102

The concentrations of prostaglandins in endometrium during the menstrual cycle in women with measured menstrual blood loss. Lumsden MA, et al.
Prostaglandins Leukotrienes Med 1986 Aug;23(2–3):217–27

D-penicillamine effects on prostanoid production in adherent rheumatic synovial cells in primary culture. Moilanen E, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):141–52

Specific activity staining for prostaglandin metabolizing enzymes on polyacrylamide gel. Tanaka T, et al.
Prostaglandins Leukotrienes Med 1986 Aug;23(2–3):267–75

Peripheral prostaglandin metabolite levels in women undergoing therapeutic abortions in the first trimester with and without treatment with prostaglandin synthetase inhibitor. Wolfe WM, et al.
Prostaglandins Leukotrienes Med 1987 Jun;28(1):53–9

delta-9-tetrahydrocannabinol (THC) increases brain prostaglandins in the rat. Bhattacharya SK.
Psychopharmacology (Berlin) 1986;90(4):499–502

Effects of intracerebroventricular administration of bradykinin on rat brain serotonin and prostaglandins. Bhattacharya SK, et al.
Res Commun Chem Pathol Pharmacol 1986 Dec; 54(3):355–66

The role of phospholipase in the genesis of gastric ulcers in rats. Takano KI, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):577–84

Prostaglandin metabolism in peptic ulcer disease. Malagelada JR. **Scand J Gastroenterol [Suppl]** 1986;125:136–43

Pathways of arachidonic acid metabolism with specific application to the fetus and mother. Mitchell MD.

Semin Perinatol 1986 Oct;10(4):242–54

The effects of modulation of prostanoid metabolism on the thoracic platelet accumulation induced by intravenous administration of collagen in the guinea–pig. Butler KD, et al. **Thromb Haemost** 1986 Dec 15;56(3):263–7

Prostaglandin alterations in barely hypertensive Dahl S rats. Tobian L, et al. **Trans Assoc Am Physicians** 1985;98:378–83

Prostaglandins and other eicosanoids: their ocular transport, pharmacokinetics, and therapeutic effects. Bito LZ. **Trans Ophthalmol Soc UK** 1986;105 (Pt 2):162–70 (34 ref.)

[Decreased activity of the renal vasodilation and natriuretic system in normotensive men with a familial history of essential hypertension and decreased Na+, K+–cotransport in erythrocytes] Bultasová H, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1270–3 (Eng. Abstr.) **(Cze)**

[Influence of molsidomine, SIN–1 and nitroglycerin on the metabolism of prostaglandins by human fibroblasts] Oetliker O, et al. **Pathol Biol (Paris)** 1987 Feb;35(2 Pt 2):247–50 (Eng. Abstr.) **(Fre)**

[Atherosclerosis and prostaglandins: new biochemical frontiers of a more rational therapy] Biffignandi P. **Cardiologia** 1987 Jan;32(1):9–14 (32 ref.) **(Ita)**

[Effect of Ca antagonist on prostaglandins and thromboxane B2 in blood and urine] Honda M, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):799–806 (Eng. Abstr.) **(Jpn)**

[The effect of arachidonic acid on prostaglandin metabolism in the isolated perfused rat kidney] Kasai Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):777–88 (Eng. Abstr.) **(Jpn)**

[Inflammation and production of monokines. Role of interleukin 1 and relations to prostaglandins] Hattori A, et al. **Nippon Rinsho** 1987 May;45(5):969–77 (24 ref.) **(Jpn)**

PHARMACODYNAMICS

Relaxant and contractile effects of some amines and prostanoids in myometrial and vascular smooth muscle within the human uteroplacental unit. Maigaard S, et al. **Acta Physiol Scand** 1986 Sep;128(1):33–40

Different modes of interaction of bradykinin with prostaglandins in pain and acute inflammation. Katori M, et al. **Adv Exp Med Biol** 1986;198 Pt B:393–8

Essential fatty acids, prostaglandins, and nonsteroidal antiinflammatory agents: physiological and behavioral interactions. Segarnick D, et al. **Alcoholism (NY)** 1987 Feb; 11(1):19–24 (34 ref.)

Interactions between ADH and prostaglandins in isolated erythrocyte–perfused rat kidney. Lieberthal W, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F331–7

Hypoxia, bradykinin, and prostaglandins stimulate ischemically sensitive visceral afferents. Longhurst JC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H556–67

Homologous desensitization to prostaglandins in rabbit ileum. Musch MW, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G120–7

What pharmacists will need to know about prostaglandins. Baker D. **Am Pharm** 1987 May;NS27(5):38–42

Prostaglandins and structural changes in pulmonary arteries. Rabinovitch M. **Am Rev Respir Dis** 1987 Sep;136(3):777–9

Prostaglandins. Old concepts and new perspectives. Bito LZ. **Arch Ophthalmol** 1987 Aug;105(8):1036–9

Stimulation of cytosolic free calcium and inositol phosphates by prostaglandins in cultured rat mesangial cells. Mene P, et al. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):579–86

Ca2+ ionophoretic activity of oligomers of prostaglandin B1 with isolated hepatocytes. Uribe S, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1024–9

Beta–adrenergic agonist– and prostaglandin–mediated regulation of cAMP levels in Ewing's sarcoma cells in culture. van Valen F, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):685–91

Mechanism of inhibition of herpes simplex virus replication by delta 7–prostaglandin A1 and delta 12–prostaglandin J2. Yamamoto N, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1425–31

Strain differences in the maintenance of cytochrome P–450 and mixed–function–oxidase activities in cultured rat hepatocytes. Effect of prostaglandins. Grant MH, et al. **Biochem J** 1986 Nov 1;239(3):785–8

Prostaglandins: a possible mediator to inhibit hepatic drug metabolism in adjuvant arthritic rats. Ishizuki S, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):40–9

Calcium ionophoretic activity of chemically synthesized oligomeric derivatives of prostaglandin B1. Uribe S, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):87–98

Differential effects of prostaglandin F2 alpha and of prostaglandins E1 and E2 on cyclic 3',5'–monophosphate production and intracellular calcium mobilization in avian uterine smooth muscle cells. Molnár M, et al. **Biol Reprod** 1987 Mar;36(2):384–91

Prostaglandin involvement in the evoked release of D–aspartate from cerebellar mossy fiber terminals. Dorman RV, et al. **Brain Res Bull** 1986 Aug;17(2):243–8

In vitro modulation of proliferation and melanization of S91 melanoma cells by prostaglandins. Abdel–Malek ZA, et al. **Cancer Res** 1987 Jun 15;47(12):3141–6

Indomethacin therapy abrogates the prostaglandin–mediated suppression of natural killer activity in tumor–bearing mice and prevents tumor metastasis. Lala PK, et al. **Cell Immunol** 1986 Apr 15;99(1):108–18

Regulation of human peripheral blood monocyte collagenase by prostaglandins and anti–inflammatory drugs. Wahl LM, et al. **Cell Immunol** 1987 Apr 1;105(2):411–22

Excitation of neurons in the canine area postrema by prostaglandins. Briggs DB, et al. **Cell Mol Neurobiol** 1986 Dec;6(4):421–6

Morphological and physiological effects of a cytoprotective prostaglandin analog (rioprostil) on the rat gastric mucosa. Morris GP, et al. **Clin Invest Med** 1987 May;10(3):121–31

Treatment with prostaglandins reduces the antifertility effect of indomethacin in rabbits. el–Banna AA. **Comp Biochem Physiol [C]** 1986;85(1):21–3

Hormonally induced elevations of alpha– and beta–casein mRNA levels are blocked by cyclic adenine nucleotide and prostaglandins. Schaefer FV. **Differentiation** 1986; 32(3):238–44

Prostaglandins are not involved in the differentiation or growth of cultured small intestinal cells. Stange EF, et al. **Digestion** 1986;35(4):217–23

Prostaglandin protection against ethanol–induced gastric injury: regulatory effect on the mucus glycoprotein metabolism. Tsukada H, et al. **Digestion** 1987;36(4):201–12

Prostaglandins affect the central nervous system to produce hyperglycemia in rats. Yatomi A, et al. **Endocrinology** 1987 Jul;121(1):36–41

Differential effects of prostaglandins on mesenteric and cerebral arteries isolated from premature newborn baboons. Park MK, et al. **Eur J Pediatr** 1987 Jan;146(1):61–2

Potentiation of bradykinin–induced nociceptive response by arachidonate metabolites in dogs. Hori Y, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):47–52

Prostaglandins activate phosphoinositide metabolism in rat aorta. Suba EA, et al. **Eur J Pharmacol** 1987 Apr 29; 136(3):325–32

Possible involvement of prostaglandins in vasoconstriction induced by zymosan and arachidonic acid in the perfused rat liver [published erratum appears in FEBS Lett 1987 Apr 20;214(2):375] Dieter P, et al. **FEBS Lett** 1987 Mar 9;213(1):174–8

Reflex regulation of the circulation after stimulation of cardiac receptors by prostaglandins. Hintze TH. **Fed Proc** 1987 Jan;46(1):73–80 (61 ref.)

Ectopic pregnancy: in vitro effects of prostaglandins on the oviduct and corpus luteum. Hahlin M, et al. **Fertil Steril** 1987 Jun;47(6):935–40

Controlled ovulation in the marmoset monkey (Callithrix jacchus) with human chorionic gonadotropin following prostaglandin–induced luteal regression. Hodges JK, et al. **Fertil Steril** 1987 Aug;48(2):299–305

Prostaglandin protects against taurocholate–induced damage to rat gastric mucosal cell culture. Terano A, et al. **Gastroenterology** 1987 Mar;92(3):669–77

Hemodynamic, renal, and steroidogenic actions of prostaglandins E1, E2, A2, and F2 alpha in European eels. Wales NA, et al. **Gen Comp Endocrinol** 1986 May; 62(2):327–34

Actions of some prostaglandins and leukotrienes on rat cerebral and mesenteric arteries. Högestätt ED, et al. **Gen Pharmacol** 1987;18(2):111–7

Effects of some prostaglandins and leukotrienes on lymphocytes, monocytes and their activity in vitro. Wasserman J, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):39–43

Economic impact of the use of prostaglandin to induce estrus in dairy cows [published erratum appears in J Am Vet Med Assoc 1987 Jun 1;190(11):1374] Fetrow J, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):163–9

Relation of prostaglandin–induced increases in cellular cAMP to stimulation of pepsinogen secretion from dispersed chief cells. Raufman JP, et al. **J Cell Physiol** 1987 Jul;132(1):137–42

Effect of prostaglandins E2 and F2 alpha on membrane calcium binding, Ca2+/Mg2+–ATPase activity and membrane fluidity in rat myometrial plasma membranes. Deliconstantinos G, et al. **J Endocrinol** 1986 Sep; 110(3):395–404

Role of prostaglandins and non–steroid anti–inflammatory drugs in the pathogenicity of vaccinia virus. Zavagno G, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):593–600

Prostaglandins posttranscriptionally inhibit monocyte expression of interleukin 1 activity by increasing intracellular cyclic adenosine monophosphate. Knudsen PJ, et al. **J Immunol** 1986 Nov 15;137(10):3189–94

Inhibition of the proliferation of transformed epidermal cells in culture by various prostaglandins. Ikai K, et al. **J Invest Dermatol** 1987 Jul;89(1):69–72

Effect of cimetidine on indomethacin–induced damage in cultured rat gastric mucosal cells; comparison with prostaglandin. Hiraishi H, et al. **J Lab Clin Med** 1986 Dec; 108(6):608–15

Modulation of macrophage I–A expression: lack of effect of prostaglandins and glucocorticoids on macrophages that continuously express I–A. Vespa L, et al. **J Leukocyte Biol** 1987 Jan;41(1):47–54

Hyperalgesic action in mice of intracerebroventricularly administered arachidonic acid, PG E2, PG F2 alpha and PG D2: effects of analgesic drugs on hyperalgesia. Okuyama S, et al. **J Pharmacobiodyn** 1986 Nov;9(11):902–8

Quantitation of platelet preservation with prostanoids during simulated bypass. Kappa JR, et al. **J Surg Res** 1987 Jan; 42(1):10–8

The effect of enkephalins and prostaglandins on O–2 release by neutrophils. Simpkins CO, et al. **J Surg Res** 1986 Dec; 41(6):645–52

Prostanoids, coronary circulation and coronary artery spasm in open chest dogs and miniature pigs. Egashira K, et al. **Jpn Circ J** 1987 Apr;51(4):459–61

Enhancement of [3H]clonidine binding to rat cerebral synaptic membranes by treatment with arachidonic acid, prostaglandin (PG) D2, PGE2 and PGF2 alpha. Kitamura Y, et al. **Jpn J Pharmacol** 1986 Oct;42(2):321–4

Role of inhibitory and stimulative effects of prostaglandins on vasopressin–stimulated osmotic water flow in the toad bladder. Marumo F. **Jpn J Physiol** 1986;36(5):935–44

Prostaglandins modulate the glomerular actions of angiotensin II. Dunn MJ, et al. **Kidney Int [Suppl]** 1987 May;20:S95–101 (55 ref.)

Cytoprotection and prostaglandins. Robert A. **Klin Wochenschr** 1986;64 Suppl 7:40–3

Prostaglandins and the synergism between VIP and noradrenaline in the cerebral cortex. Schaad NC, et al. **Nature** 1987 Aug 13–19;328(6131):637–40

Resistance of afterhyperpolarizations in hippocampal pyramidal cells to prostaglandins and vasoactive intestinal polypeptide (VIP). Warnick JE, et al. **Neurosci Lett** 1986 Oct 8;70(2):295–9

Effects of prostaglandins and other putative chemical intermediaries on the activity of canine testicular polymodal receptors studied in vitro. Mizumura K, et al. **Pflugers Arch** 1987 May;408(6):565–72

Effects of prostaglandins and arachidonic acid on baboon cerebral and mesenteric arteries. Hayashi S, et al. **Prostaglandins** 1986 Oct;32(4):587–96

Modulating effects of prostaglandins on parasympathetic–mediated secretory activities of rat salivary glands. Yu JH. **Prostaglandins** 1986 Jun; 31(6):1087–97

Triglycerides in isolated rat uterine strips. Influences of glucose deprivation, 2–deoxy–D–glucose, estrogens and exogenous or endogenous prostaglandins E1, E2 and F2 alpha. González ET, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):47–58

Prostaglandin sensitivity of the PHA–response of blood lymphocytes following radiation therapy for breast cancer. Blomgren H, et al. **Radiother Oncol** 1986 Oct;7(2):141–5

Characterization of the responses to serotonin and prostanoids in human umbilical arteries perfused in vitro. Bjøro K, et al. **Scand J Clin Lab Invest [Suppl]** 1986; 184:85–90

Age–related changes in contractile force of rabbit detrusor muscle to prostaglandin E1, E2 and F2 alpha. Morita T, et al. **Urol Int** 1987;42(1):44–8

[Cytotoxic effects of prostaglandins on human retinoblastoma cells in vitro] Nakamura M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):915–21 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Humoral factors involved in the regulation of sodium–fluid balance in man. III. Renal prostaglandins and renin–angiotensin–aldosterone system in hypertensive disorders. Somova L, et al. **Acta Physiol Pharmacol Bulg** 1986;12(4):47–52

The role of renal kallikrein–kinin system and prostaglandins in diuresis and natriuresis following saline infusion in normotensives and essential hypertensives. Nishimiya T, et al. **Adv Exp Med Biol** 1986;198 Pt B:337–42

Leukotrienes and prostanoids in health and disease. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:3–405

Leukotrienes and prostaglandins in the immune system. Parker CW. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:113–34 (101 ref.)

Central nervous system prostaglandins and ethanol. Anton RF, et al. **Alcoholism (NY)** 1987 Feb;11(1):10–8 (90 ref.)

Prostaglandins and NSAIDs in primary dysmenorrhea. Calesnick B, et al. **Am Fam Physician** 1987 Jan;35(1):223–5

Prostaglandins and acid peptic disease. Sontag SJ. **Am J Gastroenterol** 1986 Nov;81(11):1021–8

Effects of converting–enzyme inhibitors on the renin–angiotensin–aldosterone, bradykinin, and arachidonic acid–prostaglandin systems: correlation of chemical structure and biologic activity. Zusman RM. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):13–23 (65 ref.)

Segmental synthesis and actions of prostaglandins along the nephron. Bonvalet JP, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F377–87 (93 ref.)

Endogenous prostaglandins modulate autoregulation of renal blood flow in young rats. Chevalier RL, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F66–75

Prostanoid mediation of pulmonary vascular response to acetylcholine in rabbits. el Kashef HA, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H808–14

Prostanoids and pial arteriolar diameter in hypotensive newborn pigs. Leffler CW, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 2):H687–91

Regulatory role of prostanoids in glomerular microcirculation of remnant nephrons. Nath KA, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F829–37

Role of eicosanoids in hypoxic vasoconstriction in isolated lamb lungs. Raj JU, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H626–33

Postnatal regulation of the pulmonary circulation: a role for lipid mediators? Heymann MA. **Am Rev Respir Dis** 1987 Jul;136(1):222–4 (39 ref.)

Prostaglandins and uterine sensitization for the decidual cell reaction. Kennedy TG. **Ann NY Acad Sci** 1986;476:43–8 (26 ref.)

Pharmacological investigations of the new antiinflammatory agent 2-(10,11-dihydro-10-oxodibenzo[b,f]thiepin-2-yl)= propionic acid. 2nd communication: inhibitory effects on acute inflammation and prostaglandin-related reactions. Tsurumi K, et al. **Arzneimittelforschung** 1986 Dec; 36(12):1801–5

Leukotrienes and prostaglandins [letter] Wardle EN. **Br J Hosp Med** 1987 Mar;37(3):269–70

The role of prostaglandins in the nociceptive response induced by intraperitoneal injection of zymosan in mice. Doherty NS, et al. **Br J Pharmacol** 1987 May;91(1):39–47

The role of endothelial and non-endothelial prostaglandins in the relaxation of isolated blood vessels of the rabbit induced by acetylcholine and bradykinin. Förstermann U, et al. **Br J Pharmacol** 1986 Mar;87(3):521–32

Indomethacin does not inhibit the anabolic effect of parathyroid hormone on the long bones of rats. Gera I, et al. **Calcif Tissue Int** 1987 Apr;40(4):206–11

Alterations in lymphocyte recirculation within ultraviolet light-irradiated mice: efferent blockade of lymphocyte egress from peripheral lymph nodes. Chung HT, et al. **Cell Immunol** 1986 Oct 15;102(2):335–45

Stimulation of prostaglandin-dependent macrophage suppressor cells by the subcutaneous injection of polyunsaturated fatty acids. Ellis NK, et al. **Cell Immunol** 1986 Oct 15;102(2):251–60

Kupffer cells modulate natural killer cell activity in vitro by producing prostaglandins. Okumura Y, et al. **Cell Immunol** 1987 Jun;107(1):89–98

Prostaglandin-mediated suppression of delayed-type hypersensitivity to infected erythrocytes during Babesia microti infection in mice. Ruebush MJ, et al. **Cell Immunol** 1986 Apr 1;98(2):300–10

Prostaglandins and migraine. **Cephalalgia** 1986;6 Suppl 4:1–110

Prostaglandins: their release, biological effects and relationships to pain and inflammation. Bennett A. **Cephalalgia** 1986;6 Suppl 4:17–20

Regulation of pain sensitivity, influence of prostaglandins. Berge OG. **Cephalalgia** 1986;6 Suppl 4:21–31

Platelets and prostaglandins. Holmsen H. **Cephalalgia** 1986; 6 Suppl 4:33–42

Clinical aspects of prostaglandins and leukotrienes in migraine. Parantainen J, et al. **Cephalalgia** 1986;6 Suppl 4:95–101

Prostaglandins contribute to cardiovascular reflexes evoked by static muscular contraction. Stebbins CL, et al. **Circ Res** 1986 Dec;59(6):645–54

Role of endogenous angiotensin II and prostaglandins in the antihypertensive mechanism of angiotensin converting enzyme inhibitor in hypertension. Omata K, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):569–74

No evidence on significant roles of the prostaglandin-thromboxane and kallikrein-kinin system in the antihypertensive effect of MK 421 in rats made hypertensive by norepinephrine or vasopressin. Yasujima M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):323–8

Role of endogenous prostaglandins in gastric secretion and mucosal defense. Cohen MM. **Clin Invest Med** 1987 May; 10(3):226–31 (35 ref.)

Prostanoids and renal failure. A hypothetical role for prostanoids in progressive renal disease. Kirschenbaum MA. **Contrib Nephrol** 1986;50:36–45

Prostaglandin involvement in the responses of the rabbit eye to water-soluble marihuana-derived material. Green K, et al. **Curr Eye Res** 1987 Feb;6(2):337–44

Prostaglandins in the menstrual cycle of women. A review. Jensen DV, et al. **Dan Med Bull** 1987 Jun;34(3):178–82 (41 ref.)

Short-term inhibition of prostaglandin synthesis has no effect on the elevated glomerular filtration rate of early insulin-dependent diabetes. Christiansen JS, et al. **Diabetic Med** 1985 Jan;2(1):17–20

Prostaglandin mediation of hemodynamic responses to pulmonary microembolism in rabbits: effects of ibuprofen and meclofenamate. Konstam MA, et al. **Exp Lung Res** 1987;12(4):331–45

Influence of prostaglandins on the lipid transfer between human high density and low density lipoproteins. Muzya GI, et al. **FEBS Lett** 1987 Aug 17;220(2):371–5

Intrarenal mechanisms mediating pressure natriuresis: role of angiotensin and prostaglandins. Navar LG, et al. **Fed Proc** 1986 Dec;45(13):2885–91 (35 ref.)

Prostaglandin regulation of colonic blood flow in rabbit colitis. Brown JA, et al. **Gastroenterology** 1987 Jan; 92(1):54–9

Role of prostaglandins in hypotension following pressor response to intravenous infusion of noradrenaline in dogs. Das DG, et al. **Indian J Physiol Pharmacol** 1986 Apr–Jun; 30(2):195–8

Sucralfate protection against gastrointestinal damage: possible role of prostanoids. Ligumsky M, et al. **Isr J Med Sci** 1986 Nov;22(11):801–6

Coronary vasodilation by nitrates is not mediated by the prostaglandin system: a quantitative cineangiographic study. Simonetti I, et al. **J Am Coll Cardiol** 1986 Dec; 8(6):1263–70

Evidence for a role of cyclooxygenase (prostaglandin synthetase) and prostaglandins in the sperm acrosome reaction and fertilization. Joyce CL, et al. **J Androl** 1987 Mar–Apr;8(2):74–82

Prostanoid inhibition potentiates vasoconstrictor response to acetylcholine in dog lung. Catravas JD, et al. **J Appl Physiol** 1986 Sep;61(3):1035–40

Effect of endogenous prostaglandins on acetylcholine release from dog trachealis muscle. Shore S, et al. **J Appl Physiol** 1987 May;62(5):1837–44

Negative inotropic effects of furosemide in the isolated rabbit heart: a prostaglandin-mediated event. Feldman AM, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):493–9

Experimental cutaneous leishmaniasis. II. A possible role for prostaglandins in exacerbation of disease in Leishmania major-infected BALB/c mice. Farrell JP, et al. **J Immunol** 1987 Feb 1;138(3):902–7

Prostaglandins and psychiatry. Allen JR. **J Okla State Med Assoc** 1986 Aug;79(8):610–3

Prostaglandins in disorders of the intestinal tract: a review. Branski D, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):853–60 (45 ref.)

Histamine contraction of isolated human airway muscle preparations: role of prostaglandins. Haye-Legrand I, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):536–41

Urinary bladder prostanoids—their synthesis, function and possible role in the pathogenesis and treatment of disease. Mikhailidis DP, et al. **J Urol** 1987 Mar;137(3):577–82 (85 ref.)

Interactions of natural effector cells and prostaglandins in the control of metastasis. Fulton AM. **JNCI** 1987 Apr; 78(4):735–41

Prostaglandins, menstruation, and menstrual disorders. Saeed SA, et al. **JPMA** 1986 May;36(5):120–6

Symposium on prostaglandins in cardiovascular diseases. 50th annual session of the Japanese Circulation Society, March 27, 1986, Kyoto. Proceedings. **Jpn Circ J** 1987 Apr; 51(4):439–77

Serotonin and the renal blood supply: role of prostaglandins and the 5HT-2 receptor. Blackshear JL, et al. **Kidney Int** 1986 Sep;30(3):304–10

Prostaglandins in enhanced pressor response in renal prehypertensive rabbits. Kogure M, et al. **Life Sci** 1987 Mar 30;40(13):1277–86

A review of mechanism of action of aspirin and its potential as an immunomodulating agent. Rumore MM, et al. **Med Hypotheses** 1987 Apr;22(4):387–400 (76 ref.)

Gastrointestinal toxicity. Role of prostaglandins and leukotrienes. Peskar BM, et al. **Med Toxicol** 1986;1 Suppl 1:39–43 (21 ref.)

Measurement of hyporesponsiveness to interferon and interferon induction with prostaglandins. Stringfellow DA. **Methods Enzymol** 1986;119:707–12

The role of prostaglandins in early polyuria induced by cisplatin in the rat. Moel DI, et al. **Nephron** 1987;46(1):91–5

Influence of prostaglandins and ketoprofen on contractile responses of human and pig detrusor and trigone muscles in vitro. Klarskov P. **Pharmacol Toxicol** 1987 Jul; 61(1):37–41

Blockade of ovulation by prostaglandins synthesis inhibitor in medial preoptic area. Kaur G, et al. **Physiol Behav** 1986; 38(5):747–9

Prostaglandins mediate some central effects of angiotensin II. Braszko J, et al. **Pol J Pharmacol Pharm** 1986 Jul–Aug; 38(4):349–57

The development of tone in the smooth muscle of guinea-pig isolated tracheal preparations may be influenced by prostanoids released from the adjacent airway cartilage. Raeburn D, et al. **Prostaglandins** 1987 May;33(5):651–61

The early involvement of pulmonary prostaglandins in hyperoxic lung injury. Hageman JR, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):105–22

Prostaglandin associated mortality following intravenous injection of catfish epidermal secretions in rabbits. Al-Hassan JM, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):95–102

Prostaglandins and sodium balance during the reversal of chronic two-kidney, one clip hypertension in rats. Omata K, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):163–73

Renal prostaglandins and leukotrienes. Walker LA, et al. **Rev Physiol Biochem Pharmacol** 1987;107:1–72 (481 ref.)

Enhancement of mucosal defence by prostaglandins. Rationale and clinical experience in ulcer disease. Rask-Madsen J, et al. **Scand J Gastroenterol [Suppl]** 1987; 128:34–42 (65 ref.)

Cytoprotective drugs. Focus on essential fatty acids and sucralfate. Tarnawski A, et al. **Scand J Gastroenterol [Suppl]** 1987;127:39–43 (33 ref.)

Role of prostaglandins, thromboxanes, and leukotrienes in the control of the pulmonary circulation in the fetus and newborn. Cassin S. **Semin Perinatol** 1987 Jan;11(1):53–63 (112 ref.)

Prostaglandins and the developing kidney. Gleason CA. **Semin Perinatol** 1987 Jan;11(1):12–21 (101 ref.)

The role of prostaglandins in acute pancreatitis. Glazer G, et al. **Surg Annu** 1987;19:175–203 (149 ref.)

Hyperosmolar glucose prevents stress ulceration in the rat restraint model despite inhibition of endogenous prostaglandins. Ephgrave K, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):9–16

The immediate effect of burn wound excision on pulmonary function in sheep: the role of prostanoids, oxygen radicals, and chemoattractants. Demling RH, et al. **Surgery** 1987 Jan;101(1):44–55

Prostaglandins: fundamental and clinical aspects. Hayaishi O. **Taiwan J Hsueh Hui Tsa Chih** 1987 Apr;86(4):341–7

Interleukin 1 stimulates endothelial cell tissue factor production and expression by a prostaglandin-independent mechanism. Schorer AE, et al. **Thromb Haemost** 1986 Dec 15;56(3):256–9

Prostaglandins in urology. Debruyne FM, et al. **Urol Int** 1986; 41(6):407–10

[Prostaglandins—regulators of kidney function] Avramova T. **Eksp Med Morfol** 1987;26(2):42–8 (21 ref.) (Eng. Abstr.) **(Bul)**

[Role of prostaglandins in the pathogenesis of cerebrovascular diseases] Li LX. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr;17(2):118–23 (57 ref.) **(Chi)**

[Effect of arachidonic acid metabolites on the lung] Sun QW. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr;17(2):129–33 (32 ref.) **(Chi)**

[Adaptative cytoprotection of the gastric mucosa and its mechanism] Wang JY. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):266–9 (22 ref.) **(Chi)**

[Postreceptor defect in the effectiveness of insulin: significance of the kallikrein-kinin-prostaglandin system] Dietze GJ, et al. **Beitr Infusionther Klin Ernahr** 1986; 16:92–102 **(Ger)**

[Significance of prostaglandins and leukotrienes in gastroenterology] Peskar BM. **Internist (Berlin)** 1986 Oct; 27(10):637–42 **(Ger)**

[The significance of eicosanoids in glomerular diseases] Stahl RA. **Klin Wochenschr** 1986 Sep 15;64(18):813–23 (Eng. Abstr.) **(Ger)**

[Prostaglandins and vascular diseases] Creutzig A. **Med Klin** 1986 May 16;81(11):395–9 **(Ger)**

[The significance of renal prostaglandins for kidney function in early childhood] Seyberth HW. **Monatsschr Kinderheilkd** 1987 Apr;135(4):178–84 (Eng. Abstr.) **(Ger)**

[Prostaglandins and endogenous psychoses] Jänicke U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):433–42 (Eng. Abstr.) **(Ger)**

[Organic nitrates and prostaglandins in the cardiovascular system] Schrör K, et al. **Z Kardiol** 1986;75 Suppl 3:30–4 (Eng. Abstr.) **(Ger)**

[Prostaglandins and diarrheal disorders] Branski D, et al. **Harefuah** 1987 Jan 1;112(1):20–2 (25 ref.) **(Heb)**

[Prostaglandins and the kidney] Davidai G, et al. **Harefuah** 1986 Sep;111(5–6):130–6 (74 ref.) **(Heb)**

[Cellular bases of hypertension in pregnancy. II. Anatomical and humoral factors. Review of the literature and methodological introduction to the study] Tranquilli AL, et al. **Ann Ostet Ginecol Med Perinat** 1986 Sep–Oct; 107(5):269–77 (Eng. Abstr.) **(Ita)**

[Correlation of acute potassium depletion, prostanoids and renal function] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1135–41 (Eng. Abstr.) **(Ita)**

[Functional role of prostanoids in acute and moderate potassium depletion] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1127–33 (Eng. Abstr.) **(Ita)**

[Prostaglandins and the perinatal period] Maragno I, et al. **Minerva Cardioangiol** 1987 Apr;35(4):183–92 (Eng. Abstr.) **(Ita)**

[Effect of prostaglandins on collagen synthesis in rabbit ovarian follicles during the ovulatory process] Himeno N. **Nippon Naibunpi Gakkai Zasshi** 1986 Oct 20;62(10):1181–93 (Eng. Abstr.) **(Jpn)**

[Metabolic bone diseases: various factors influencing bone resorption and osteogenesis—with special reference to the mechanism of action—prostaglandins and related substances] Nagata N. **Nippon Rinsho** 1986 Nov; 44(11):2385–90 (22 ref.) **(Jpn)**

[Two mechanisms of prostaglandin actions: prostaglandin receptor and transport] Narumiya S. **Seikagaku** 1986 Jul; 58(7):453–69 (115 ref.) **(Jpn)**

[Role of arachidonic acid metabolites in the mediation of pain] Korbut R, et al. **Postepy Hig Med Dosw** 1986 Jul–Aug;40(4):435–47 (56 ref.) (Eng. Abstr.) **(Pol)**

[Alcohol, smoking and prostaglandin autacoids] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):318, 322 **(Rum)**

[Role of prostaglandins in various forms of obstetrical and gynecological pathology] Ylikorkala O. **Akush Ginekol (Mosk)** 1987 Mar;(3):46–8 (9 ref.) **(Rus)**

[Functional morphology of interstitial cells of the renal medulla after treatment with indomethacin and unilateral nephrectomy] Zufarov KA, et al. **Arkh Patol** 1987; 49(1):9–14 (Eng. Abstr.) **(Rus)**

[Prostaglandins and interphase death of irradiated cells] Romantsev EF, et al. **Radiobiologiia** 1986 Sep–Oct; 26(5):579–90 (88 ref.) (Eng. Abstr.) **(Rus)**

[Prostaglandins in the pathogenesis of various systemic diseases of the connective tissue] Shishkin VI, et al. **Ter Arkh** 1987;59(4):67–70 (Eng. Abstr.) **(Rus)**

[The role of prostaglandins in the activation of sugar transport into the rat diaphragm] Kosovskiĭ MI. **Vopr Med Khim** 1987 Mar–Apr;33(2):52–4 (Eng. Abstr.) **(Rus)**

[Prostaglandins in reproductive processes] Silhy Sesin EK. **Ginecol Obstet Mex** 1986 Dec;54:317–22 (Eng. Abstr.) **(Spa)**

[Role of prostaglandins in hepatic cirrhosis with ascites] Pacheco D, et al. **Rev Med Chil** 1986 Oct;114(10):978–83 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

[The effect of ionizing radiation on prostanoid metabolism] Navrátil L, et al. **Cas Lek Cesk** 1987 Apr 3;126(14):428–30 (27 ref.) (Eng. Abstr.) **(Cze)**

SECRETION

The effect of indomethacin on ovarian prostaglandin release in hens. Shimada K, et al. **Biol Reprod** 1986 Dec; 35(5):1147–53

GnRH effects on placental hormones during gestation. III. Prostaglandin E, prostaglandin F, and 13,14-dihydro-15-keto-prostaglandin F. Siler-Khodr TM, et al. **Biol Reprod** 1986 Sep;35(2):312–9

Dexamethasone does not inhibit antidiuretic hormone-stimulated prostaglandin production in vivo. Náray-Fejes-Tóth A, et al. **Endocrinology** 1986 Dec; 119(6):2856–60

Eicosanoids in breast cancer. Karmali RA. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):5–7

Inhibition profiles of picumast and ketotifen on the in vitro release of prostanoids, slow-reacting substance of anaphylaxis, histamine and enzyme from human leukocytes and rat alveolar macrophages. Wilhelms OH. **Int Arch Allergy Appl Immunol** 1987;82(3–4):547–9

Interferon blocks interleukin 1-induced prostaglandin release from human peripheral monocytes. Browning JL, et al. **J Immunol** 1987 May 1;138(9):2857–63

Calcium ionophore (A23187)- and arachidonic acid-stimulated prostaglandin release from microvascular endothelial cells: effects of calcium antagonists and calmodulin inhibitors. Gerritsen ME, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):837–46

The effect of acute hypoxia on prostaglandin release in perfused human fetal placenta. Ekblad U, et al. **Prostaglandins** 1987 Apr;33(4):553–60

Effects of superovulation, arachidonic acid or endometrium on release of prostaglandins and synthesis of proteins by bovine trophoblast. Lewis GS. **Prostaglandins** 1986 Aug; 32(2):275–90

Increased release of prostaglandins from the mesenteric vascular bed of diabetic animals: the effects of glucose and insulin. Fujii K, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2–3):151–61

Homocysteine thiolactone, N-homocysteine thiolactonyl retinamide, and platelet aggregation. McCully KS, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun; 56(3):349–60

[Detection of prostaglandins in preparations from medicinal leeches (Hirudo medicinalis)] Baskova IP, et al. **Dokl Akad Nauk SSSR** 1987;292(6):1492–3 **(Rus)**

THERAPEUTIC USE

Modulation of murine schistosomiasis by exogenously administered prostaglandins. Chensue SW, et al. **Am J Pathol** 1986 Oct;125(1):28–34

Prostaglandins for duodenal ulcer. Lam SK. **Clin Invest Med** 1987 May;10(3):232–7 (51 ref.)

Efficacy of prostanoids in the treatment of gastric ulcer. Rachmilewitz D. **Clin Invest Med** 1987 May;10(3):238–42

The role of arachidonic acid metabolites in gastrointestinal homeostasis. Biochemical, histological and clinical gastrointestinal effects. Isselbacher KJ. **Drugs** 1987;33 Suppl 1:38–46

Prostaglandins in peptic ulcer disease. An overview of current status and future directions. Sontag SJ. **Drugs** 1986 Nov;32(5):445–57

Correction for "Economic impact of the use of prostaglandin to induce estrus in dairy cattle" [letter] Fetrow J. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1374

Are prostaglandins truly "cytoprotective" Morris GP. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 2):326–30

The effect of prostaglandins, branched-chain amino acids and other drugs on the outcome of experimental acute porcine hepatic failure. Alp MH, et al. **J Hepatol** 1987 Feb; 4(1):99–107

Prostaglandins for peptic ulcer disease [letter] Hunt RH. **Lancet** 1987 May 30;1(8544):1262

Prostaglandins, smoking, and duodenal ulcers [letter] Lam SK. **Lancet** 1987 Jan 24;1(8526):212–3

Protective effect of prostaglandins D2, E1 and I2 against cerebral hypoxia/anoxia in mice. Masuda Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):282–9

Prostaglandins and clinical experience in peptic ulcer disease. Lauritsen K, et al. **Scand J Gastroenterol [Suppl]** 1986; 125:174–80 (62 ref.)

Preliminary results of treatment and endocrinology of chronic endometritis in the dairy cow. Pepper RT, et al. **Vet Rec** 1987 Jan 17;120(3):53–6

[Effects of polymeric prostaglandin PGBx in cerebral ischemia] Martínez Rodríguez HR, et al. **Rev Invest Clin** 1986 Jul-Sep;38(3):251–60 (Eng. Abstr.) **(Spa)**

URINE

Effects of captopril on the urinary excretion of prostanoids and kallikrein in spontaneously hypertensive rats. Säynävälammi P. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):285–90

Regional release of cyclooxygenase products after radiation exposure of the rat. Schneidkraut MJ, et al. **J Appl Physiol** 1986 Oct;61(4):1264–9

Purification and quantitative analysis of urinary prostanoids in human and in rat by packed and capillary gas chromatography-negative-ion chemical-ionization mass spectrometry. Martineau A, et al. **J Chromatogr** 1987 Jun 5;417(1):1–10

Effect of spironolactone on renal prostaglandin excretion in patients with liver cirrhosis and ascites. Medina JF, et al. **J Hepatol** 1986;3(2):206–11

The antihypertensive effect of captopril in essential hypertension: relationship to prostaglandins and the kallikrein-kinin system. Quilley J, et al. **J Hypertens** 1987 Feb;5(1):121–8

Renin-angiotension-aldosterone system, urinary prostaglandins and kallikrein in pregnancy-induced hypertension: evidence for a dysregulation of the renin-angiotensin-prostacyclin loop. Fievet P, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S88–91

Urinary inhibitor of the ammoniagenic response to acute acidosis is a prostaglandin. Tannen RL, et al. **J Lab Clin Med** 1986 Oct;108(4):277–85

Failure of chronic aspirin treatment to inhibit urinary prostaglandin excretion in spontaneously hypertensive rats: comparison with indomethacin and flurbiprofen. Quilley CP, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):916–21

Urinary prostaglandins and thromboxane in patients with chronic glomerulonephritis. Niwa T, et al. **Nephron** 1987; 46(3):281–7

Sodium intake as a determinant of urinary prostaglandin excretion. Studies in the Brattleboro rat. Bernheim J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):239–47

Effect of indomethacin treatment on prostaglandin excretion and tissue phospholipid fatty acid composition in rats bearing mammotropic pituitary tumor, MtT-F4. Huang YS, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):249–52

Urinary prostaglandins in Bartter's and pseudo-Bartter's syndrome. Hornych A, et al. **Uremia Invest** 1985–86; 9(2):203–10

[Acute and moderate potassium depletion and the correlation of diuresis and urinary excretion of various prostanoids] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30; 62(9):1119–25 (Eng. Abstr.) **(Ita)**

PROSTAGLANDINS A

ANALYSIS

Mechanisms of deceleration by methylated cyclodextrins in the dehydration of prostaglandin E2 and the isomerization of prostaglandin A2 in aqueous solution. Hirayama F, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5093–101

METABOLISM

Tumor cell biotransformation products of prostaglandin A1 with growth inhibitory activity. Gouin E, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1254–60

Site and mechanism of growth inhibition by prostaglandins. III. Distribution and binding of prostaglandin A2 and delta 12-prostaglandin J2 in nuclei. Narumiya S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):306–11

Site and mechanism of growth inhibition by prostaglandins. II. Temperature-dependent transfer of a cyclopentenone prostaglandin to nuclei. Narumiya S, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):506–11

PHARMACODYNAMICS

Modulation of the growth of a human erythroleukemic cell line (K562) by prostaglandins: antiproliferative action of prostaglandin A. Santoro MG, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6073–7

Effect of prostaglandin A1 and A2 on thyrotropin secretion in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1986 Dec;20(4):371–7

Alterations of MCF-7 human breast cancer cell after prostaglandins PGA1 and PGF2 alpha treatment. Shahabi NA, et al. **Exp Cell Biol** 1987;55(1):18–27

Site and mechanism of growth inhibition by prostaglandins. I. Active transport and intracellular accumulation of cyclopentenone prostaglandins, a reaction leading to growth inhibition. Narumiya S, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):500–5

PROSTAGLANDINS A, SYNTHETIC

METABOLISM

Polycyclic aromatic hydrocarbon quinones and glutathione thioethers as substrates and inhibitors of the human placental NADP-linked 15-hydroxyprostaglandin dehydrogenase. Chung HS, et al. **J Biol Chem** 1987 Sep 15;262(26):12448–51

PHARMACODYNAMICS

Mechanism of inhibition of herpes simplex virus replication by delta 7-prostaglandin A1 and delta 12-prostaglandin J2. Yamamoto N, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1425–31

PROSTAGLANDINS B see under **PROSTAGLANDINS**

PROSTAGLANDINS D

ADMINISTRATION & DOSAGE

Cytotoxicity of combinations of prostaglandin D2 (PGD2) and antitumor drugs for B16 melanoma cells in culture. Bhuyan BK, et al. **Invest New Drugs** 1986;4(4):315–23

ANALYSIS

Predominance of prostaglandin D2 and I2 in the rat gastric mucosa--analysis by high-performance liquid chromatography. Kinoshita T, et al. **Biochem Int** 1987 Feb; 14(2):303–9

Basal level of prostaglandin D2 in rat brain by a solid-phase enzyme immunoassay. Hiroshima O, et al. **Prostaglandins** 1986 Jul;32(1):63–80

[Quantitative determination of prostaglandin D2 in the rat gastric mucosa by high performance liquid chromatography] Goto H. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):308 **(Jpn)**

BLOOD

Release of prostaglandin D2 and histamine in a case of localized heat urticaria, and effect of treatments. Koro O, et al. **Br J Dermatol** 1986 Dec;115(6):721–8

Prostaglandin D2 and histamine release in cold urticaria. Heavey DJ, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):458–61

[New pharmacologic developments in physical urticaria--therapeutic consequences] Greaves MW, et al. **Z Hautkr** 1987 Feb 1;62(3):180–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Differential calcium effects on prostaglandin D2 generation and histamine release from isolated rat peritoneal mast cells. Kawabe H, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):467–74

Beta 2-adrenergic regulation of prostaglandin D2 receptor in rabbit platelets. Hanasaki K, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):261–8

Metabolism of prostaglandin D2 in isolated rat lung: the stereospecific formation of 9 alpha,11 beta-prostaglandin F2 from prostaglandin D2. Hayashi H, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):356–64

Metabolism of prostaglandins D2 and F2 alpha in primary cultures of rat hepatocytes. Sago T, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):330–8

Methyl ester of prostaglandin D2 as a delivery system of prostaglandin D2 into brain. Suzuki F, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):224–30

Evidence against the formation of 13,14-dihydro-15-keto-prostaglandin F2 alpha following inhalation of prostaglandin D2 in man. Hardy CC, et al. **Br J Pharmacol** 1986 Mar;87(3):563–8

Transport of prostaglandin D2 into brain. Suzuki F, et al. **Brain Res** 1986 Oct 22;385(2):321–8

Site and mechanism of growth inhibition by prostaglandins. III. Distribution and binding of prostaglandin A2 and delta 12-prostaglandin J2 in nuclei. Narumiya S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):306–11

Site and mechanism of growth inhibition by prostaglandins. II. Temperature-dependent transfer of a cyclopentenone prostaglandin to nuclei. Narumiya S, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):506–11

Amniotic fluid prostaglandin D2 in spontaneous and augmented labor. Berryman GK, et al. **Life Sci** 1987 Sep 28;41(13):1611–4

Stimulus-related difference in the formation of leukotrienes and PGD2 after immunological and non-immunological challenge of human lung parenchyma "in vitro". Viganò T, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):109–15

PHARMACODYNAMICS

Prostaglandins: antiproliferative effect of PGD 2 on cultured human glioma cells. Westphal M, et al. **Acta Neurochir (Wien)** 1986;83(1–2):56–61

Dose-dependent effects of prostaglandin D2 on hemodynamics, renal function, and blood gas analyses. Rao PS, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):843–51

Cardiac depressant and circulatory effects of prostaglandin D2 in developing lambs. Drummond WH, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H374–83

Mechanism of inhibition of herpes simplex virus replication by delta 7-prostaglandin A1 and delta 12-prostaglandin J2. Yamamoto N, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1425–31

The combined effects of two pairs of mediators, adenosine with methacholine and prostaglandin D2 with histamine, on airway calibre in asthma. Hardy CC, et al. **Clin Sci** 1986 Oct;71(4):385–92

Influence of prostaglandin D2 on hemodynamic effects of group B streptococcus in neonatal lambs. Huddleston KW, et al. **Dev Pharmacol Ther** 1986;9(4):260–5

Prostaglandin D2 (PGD2) potentiates cholinergic responsiveness in guinea–pig trachea. Omini C, et al. **J Auton Pharmacol** 1986 Sep;6(3):181–6

Binding of [3H]forskolin to human platelet membranes. Regulation by guanyl–5'–yl imidodiphosphate, NaF, and prostaglandins E1 and D2. Nelson CA, et al. **J Biol Chem** 1986 Oct 15;261(29):13469–73

PGJ2, a new antiviral prostaglandin: inhibition of Sendai virus replication and alteration of virus protein synthesis. Santoro MG, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1153–8

The effect of prostaglandin D2 on the response of human skin to histamine. Maurice PD, et al. **J Invest Dermatol** 1987 Sep;89(3):245–8

Site and mechanism of growth inhibition by prostaglandins. I. Active transport and intracellular accumulation of cyclopentenone prostaglandins, a reaction leading to growth inhibition. Narumiya S, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):500–5

Modulatory action of prostaglandin D2 on the release of 3H–norepinephrine from rat cerebellar slices. Namima M, et al. **Jpn J Pharmacol** 1987 Feb;43(2):197–204

Effects of prostaglandin D2 on the activity of hypothalamic neurons in the rat. Inokuchi A, et al. **Jpn J Physiol** 1986; 36(3):497–509

Platelet abnormality with no response to PGD2 in a patient with metastatic pancreas carcinoma and myeloproliferative disorder. Kariya T, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):168–74

The effect of neurotransmitters on cataleptic behavior induced by PG D2 in rats. Saito R, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):543–6

A comparison of the contractile activity of PGD2 and PGF2 alpha on human isolated bronchus. Black JL, et al. **Prostaglandins** 1986 Jul;32(1):25–31

Cyclohexamide reduces PGD2 or delta 12–PGJ2 cytotoxicity on NCG cells. Shimizu Y, et al. **Prostaglandins** 1986 Oct; 32(4):517–25

Antiherpetic action of prostaglandin D2. Tanaka A, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):131–8

[Effect of prostaglandin (delta 12–PGJ2) on host immunity—an experimental study] Matsuura H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1936–7 **(Jpn)**

[Inhibition of growth of human endometrial adenocarcinoma cells in vitro treated with prostaglandin F2 alpha, E2, D2 and J2] Suzuki H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Aug 20;62(8):857–66 (Eng. Abstr.) **(Jpn)**

[Bronchial response to prostaglandins (F2 alpha and D2) and leukotrienes in patients with bronchial asthma] Haxhiu MA, et al. **Plucne Bolesti** 1986 Jan–Mar;38(1):3–11 (Eng. Abstr.) **(Scr)**

PHYSIOLOGY

Airflow–induced bronchoconstriction: role of epithelium and eicosanoid mediators. Freed AN, et al. **J Appl Physiol** 1987 Feb;62(2):574–81

Inhibitory effect of prostaglandin D2 on DNA synthesis in nuclei. Koshihara Y, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):253–65

SECRETION

Oxatomide inhibits the release of bronchoconstrictor arachidonic acid metabolites (iLTC4 and PGD2) from rat mast cells and guinea–pig lung. Kosaka Y, et al. **Agents Actions** 1987 Jun;21(1–2):32–7

Prostaglandin D2 release by endometrium and myometrium. Rees MC, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1078–82

Inhibition of IgE–dependent histamine release from human dispersed lung mast cells by anti–allergic drugs and salbutamol. Church MK, et al. **Br J Pharmacol** 1987 Feb; 90(2):421–9

Co–culture of human lung–derived mast cells with mouse 3T3 fibroblasts: morphology and IgE–mediated release of histamine, prostaglandin D2, and leukotrienes. Levi–Schaffer F, et al. **J Immunol** 1987 Jul 15; 139(2):494–500

Characterization of primate bronchoalveolar mast cells. I. IgE–dependent release of histamine, leukotrienes, and prostaglandins. Wells E, et al. **J Immunol** 1986 Dec 15; 137(12):3933–40

Characterization of primate bronchoalveolar mast cells. II. Inhibition of histamine, LTC4, and PGD2 release from primate bronchoalveolar mast cells and a comparison with rat peritoneal mast cells. Wells E, et al. **J Immunol** 1986 Dec 15;137(12):3941–5

Prostaglandin D2 release by guinea pig skin during in vitro anaphylaxis induced by antigen and compound 48/80. Kozuka T, et al. **J Invest Dermatol** 1987 Feb;88(2):115–9

Prostaglandin D2 is released during acute allergic bronchospasm in man. Murray JJ, et al. **Trans Assoc Am Physicians** 1985;98:275–80

PROSTAGLANDINS E

Vaginal PGE2 and intraamniotic PGF2 alpha for the termination of second trimester pregnancy. Farmakides G, et al. **Acta Chir Hung** 1986;27(3):137–42

Maternal death due to unnoticed ectopic pregnancy during prostaglandin–induced abortion. Segerberg–Konttinen M. **Am J Forensic Med Pathol** 1986 Sep;7(3):244–5

Cardiac output response to prostaglandin E2–induced abortion in the second trimester. Willis DC, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):170–3

[Theoretical study of prostaglandin E2 conformation] Simonian SP, et al. **Bioorg Khim** 1987 Jan;13(1):113–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Buccal and oral drugs: induction of labour. Mehta AC. **Acta Chir Hung** 1986;27(3):157–63

Induction of labor with intravenous oxytocin or vaginal PGE2 suppositories. A randomized study. Ekman G, et al. **Acta Obstet Gynecol Scand** 1986;65(8):857–9

Preinduction cervical softening with endocervical PGE2 gel. A multi–center trial. Noah ML, et al. **Acta Obstet Gynecol Scand** 1987;66(1):3–7

Induction of labor by intra–cervical PGE2 in viscous gel. Mechanism of action and clinical treatment routines. Wiqvist I, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):485–92

Mechanisms underlying the small intestinal fluid secretion caused by arachidonic acid, prostaglandin E1 and prostaglandin E2 in the rat in vivo. Brunsson I, et al. **Acta Physiol Scand** 1987 Aug;130(4):633–42

Cervical ripening and labor induction with prostaglandin E2 gel: a placebo–controlled study. Bernstein P, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):336–40

Clinical utility of multiple–dose administration of prostaglandin E2 gel. Mainprize T, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):341–3

The effect of pericervical PGE2 instillation on levels of maternal serum 13,14–dihydro–15–keto–PGF2 alpha and progesterone. Grünberger W, et al. **Arch Gynecol** 1986; 239(2):93–9

Elective induction of labor conducted under lumbar epidural block. II. Labor induction by amniotomy and intravenous prostaglandin. Thiery M, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):181–200

Gastrointestinal ulcer formation in rabbits immunized with prostaglandin E2. Redfern JS, et al. **Gastroenterology** 1987 Oct;93(4):744–52

Application of information theory to decision analysis in potentially prostaglandin–responsive neonates. Danford DA, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1125–30

The effect of oral prostaglandin E2 (Prostarmon E) in the induction of labour: comparative study of fixed and incremental dose. Atisook R, et al. **J Med Assoc Thai** 1987 Mar;70(3):107–13

Prostaglandins and peptic ulcer disease: nocturnal administration of rioprostil vs ranitidine in duodenal ulcer healing. Simon B, et al. **Klin Wochenschr** 1986;64 Suppl 7:44–6

The effect of endocervical PGE2–gel (Prepidil) gel on plasma levels of 13,14–dihydro–15–keto–PGE2 (PGEM) in women at term. Kimball FA, et al. **Prostaglandins** 1986 Oct; 32(4):527–37

Fetal outcome following maternal treatment with prostaglandin E2. Persaud TV. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):75–8

The PGE2 vaginal film: an alternative to conventional induction in multiparae with poor cervical scores. Viegas OA, et al. **Prostaglandins Leukotrienes Med** 1987 Jan; 26(1):1–9

Assessment of a new prostaglandin E2 gel in labour induction. Dommisse J, et al. **S Afr Med J** 1987 Apr 18; 71(8):506–7

Enprostil and cimetidine: comparative efficacy and safety in patients with duodenal ulcer. Carling L, et al. **Scand J Gastroenterol** 1987 Apr;22(3):325–31

[Preparation of the uterine cervix before induction of labor using the prostaglandin E2 (PGE2) vaginal tablet] Lomičková T, et al. **Cesk Gynekol** 1987 Feb;52(1):18–24 (Eng. Abstr.) **(Cze)**

[Comparison between prostaglandin E2 gel and oxytocin in medically indicated labor induction] Egarter C, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):337–40 (Eng. Abstr.) **(Ger)**

[Experiences in 2,149 labor inductions using 3 mg prostaglandin E2 vaginal tablets. A retrospective analysis] Kofler E, et al. **Geburtshilfe Frauenheilkd** 1986 Dec; 46(12):863–8 (Eng. Abstr.) **(Ger)**

[Labor induction by intravaginal administration of prostaglandin E2 tablets] Motter W, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):113–6 (Eng. Abstr.) **(Ger)**

[Labor induction at term: amniotomy versus intravaginal administration of prostaglandin E2 tablets] Motter W, et al. **Wien Klin Wochenschr** 1987 Apr 17;99(8):265–8 (Eng. Abstr.) **(Ger)**

[Uterine activity in induction of labor by vaginal administration of prostaglandin E2 tablets] Egarter C, et al. **Z Geburtshilfe Perinatol** 1986 May–Jun;190(3):129–32 (Eng. Abstr.) **(Ger)**

[Surgical treatment following administration of prostaglandin E in a ductus–dependent neonate with cyanotic congenital heart disease] Tashiro T, et al. **Kyobu Geka** 1987 Mar; 40(4):271–9 (Eng. Abstr.) **(Jpn)**

[Ripening of the cervix uteri and stimulation of labor with a prostaglandin E2 gel. A comparison of intracervical and intravaginal administration] Okland O, et al. **Tidsskr Nor Laegeforen** 1986 Nov 20;106(32):2728–30, 2745 (Eng. Abstr.) **(Nor)**

[Effect of the intra–aortic administration of prostaglandin E2 on kidney functions in acute kidney failure of blood transfusion origin] Glants RM, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):412–4 (Eng. Abstr.) **(Rus)**

[Physiopathological aspects of stress ulcer of the stomach and its prevention with prostaglandin E1 in rats] Laudanno OM, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):192–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Nausea and vomiting after prostaglandins in day case termination of pregnancy. The efficacy of low dose droperidol. Millar JM, et al. **Anaesthesia** 1987 Jun; 42(6):613–8

Neonatal respiratory distress caused by aspiration of a vaginal tablet containing prostaglandin. Andersson S, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):25–6

Digital swelling following long–term administration of prostaglandin E1 in an infant. Sharp C, et al. **Clin Pediatr (Phila)** 1987 Jun;26(6):302–3

Uterine hyperstimulation resulting from intravaginal prostaglandin E2. A case report. Chamberlin RO, et al. **J Reprod Med** 1987 Mar;32(3):233–5

Management of uterine hyperstimulation after prostaglandin E2 administration. Goyert GL, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):468–70

[Thrombocytopenia following intracervical prostaglandin priming] Seufert R, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):656–7 (Eng. Abstr.) **(Ger)**

[The safety of prostaglandin E1 (G 511) in induced hypotension during surgery in patients with ischemic heart disease] Yamamura H, et al. **Masui** 1987 Apr;36(4):527–41 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Prostaglandin E2 of the upper aerodigestive tract. Johnson JT, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):213–6

Lympho–monokine disorders and peritoneal fibroblast proliferation in CAPD. Lamperi S, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):35–8

Decreased levels of prostaglandins I2 and E2 in acute gastric mucosal lesions induced by hypoxia. Goto H, et al. **Biochem Int** 1987 Feb;14(2):311–7

Mass spectrometry of prostaglandins, leukotrienes and steroids as their allyldimethylsilyl ether derivatives. Steffenrud S, et al. **Biomed Environ Mass Spectrom** 1986 Dec;13(12):657–61

Mechanisms of deceleration by methylated cyclodextrins in the dehydration of prostaglandin E2 and the isomerization of prostaglandin A2 in aqueous solution. Hirayama F, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5093–101

PGE2 and PGF2 alpha content in bronchoalveolar lavage fluid obtained from patients with eosinophilic pneumonia. Ogushi F, et al. **Chest** 1987 Feb;91(2):204–6

Aqueous prostaglandin E2 and intraocular pressure after argon laser trabeculoplasty in glaucoma patients pretreated with topical piroxicam. Dorigo MT, et al. **Int J Tissue React** 1987;9(1):73–5

Quantitative determination of prostaglandins E1, E2 and E3 in frog tissue. Herman CA, et al. **J Chromatogr** 1987 May 22;394(2):353–62

Immunohistochemical localization of 6–keto–prostaglandin F1 alpha and prostaglandin E2 in the human umbilical cord before and after labor. Siegel RJ, et al. **Lab Invest** 1987 May;56(5):550–3

Determination by HPLC–RIA of immunoreactive prostaglandin E2 in Blattella germanica and Gryllus bimaculatus. Casas J, et al. **Rev Esp Fisiol** 1986 Dec; 42(4):507–11

The effect of aspirin and anti–ulcer drugs on gastric mucosal prostaglandin E. Roost R, et al. **S Afr Med J** 1986 Nov 8;70(10):594–7

Milk prostaglandins and electrical conductivity in bovine mastitis. Atroshi F, et al. **Vet Res Commun** 1987;11(1):15–22

[Prostaglandin E (PGE) and gastric carcinoma] Fu QL, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):345–8 (Eng. Abstr.) **(Chi)**

[Relation between prostaglandin E and the development and healing of duodenal ulcer] Zhou L, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):65–7, 124 (Eng. Abstr.) **(Chi)**

[Preparation of prostaglandin E(PGE) antibodies and its technical improvements] Cheng JX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr; 8(2):111–6 (Eng. Abstr.) **(Chi)**

[The effects of prostaglandin E2 and substance P on photocoagulation of the rabbit iris] Katayama T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1611–6 (Eng. Abstr.) **(Jpn)**

[An immunohistochemical study on prostaglandin E2 positive cells in rat gastric mucosa] Matsumoto T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2635 **(Jpn)**

[Breast milk as a source of prostaglandin E for the newborn child] Pavliuk VP. **Vopr Pitan** 1987 May–Jun;(3):73–4 **(Rus)**

ANTAGONISTS & INHIBITORS

Salt-induced plasma factor that inhibits platelet thromboxane A2 release and renal prostaglandin E2 production in rats. Uehara Y, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III6–12

BIOSYNTHESIS

Strial prostaglandins and leukotrienes. Biochemical characteristics and interrelationship with furosemide. Tran Ba Huy P, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun; 103(5–6):558–66

Response of human amnion cells in culture to 1,25-dihydroxycholecalciferol: increased 25-hydroxycholecalciferol 24-hydroxylase activity and prostaglandin E2 formation. Casey ML, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1272–5

The effect of fetal urine on arachidonic acid metabolism in human amnion cells in monolayer culture. Niesert S, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1310–6

Endocytosis by cultured mesangial cells and associated changes in prostaglandin E2 synthesis. Singhal PC, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F627–34

Effect of cAMP on prostaglandin E2 production in cultured rat inner medullary collecting tubule cells. Teitelbaum I, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F671–7

Progesterone enhancement of prostaglandin E2 production by fetal placental macrophages. Yagel S, et al. **Am J Reprod Immunol Microbiol** 1987 Jun;14(2):45–8

Increased ex vivo synthesis of prostaglandin E2 by gastric tissue after hemorrhage in rats. Fink MP, et al. **Am J Surg** 1987 Jan;153(1):139–43

Histamine H1 receptors on adherent rheumatoid synovial cells in culture: demonstration by radioligand binding and inhibition of histamine-stimulated prostaglandin E production by histamine H1 antagonists. Taylor DJ, et al. **Ann Rheum Dis** 1987 Jun;46(6):425–30

Gastric mucosa protection and prostaglandin E2 generation in rats by colloidal bismuth subcitrate (DE-NOL). Hall DW, et al. **Arch Int Pharmacodyn Ther** 1987 Apr; 286(2):308–19

Modulation of prostaglandin E2 synthesis in rabbit synoviocytes. Rothenberg RJ. **Arthritis Rheum** 1987 Mar; 30(3):266–74

Increased production of arachidonate metabolites by peritoneal cells of mice infected with Plasmodium vinckei vinckei. Clark IA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):415–8

Stimulation of prostaglandin E2 and thromboxane B2 production by human monocytes in response to interleukin-2. Renick DG, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):86–93

Tumor necrosis factor type alpha (cachectin) stimulates mouse osteoblast-like cells (MC3T3-E1) to produce macrophage-colony stimulating activity and prostaglandin E2. Sato K, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):323–9

Recombinant human interleukin 1 alpha and beta stimulate mouse osteoblast-like cells (MC3T3-E1) to produce macrophage-colony stimulating activity and prostaglandin E2. Sato K, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):285–91

Different concentrations of pertussis toxin have opposite effects on agonist-induced PGE2 formation in mesangial cells. Schlondorff D, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):39–45

Pertussis toxin abolishes angiotensin II-induced phosphoinositide hydrolysis and prostaglandin synthesis in rat renal mesangial cells. Pfeilschifter J, et al. **Biochem J** 1986 May 15;236(1):289–94

Calcium antagonists stimulate prostaglandin synthesis by cultured rat cardiac myocytes and prevent the effects of hypoxia. Escoubet B, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4401–7

Cellular confluence determines injury-induced prostaglandin E2 synthesis by human keratinocyte cultures. Pentland AP, et al. **Biochim Biophys Acta** 1987 May 13;919(1):71–8

Vasopressin does not hydrolyze polyphosphoinositides in rabbit papillary collecting tubule cells. Portilla D, et al. **Biochim Biophys Acta** 1987 May 18;928(3):305–11

Microtubule disruption enhances prostaglandin E2 production in osteoblastic cells. Yeh CK, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):315–23

Interactive roles of progesterone, prostaglandins, and collagenase in the ovulatory mechanism of the ewe. Murdoch WJ, et al. **Biol Reprod** 1986 Dec;35(5):1187–94

Effect of prostaglandin E2-producing nonmetastatic Lewis lung carcinoma cells on the migration of prostaglandin E2-responsive metastatic Lewis lung carcinoma cells. Young MR, et al. **Cancer Res** 1987 Jul 15;47(14):3679–83

Effects of anti-tuberculosis drugs on the production of prostaglandin E2 and on mononuclear leucocyte transformation. Zeis BM. **Chemotherapy** 1987;33(3):204–10

Effect of a thromboxane synthetase inhibitor on eicosanoid synthesis and glomerular injury during acute unilateral glomerulonephritis in the rat. Cook HT, et al. **Clin Nephrol** 1986 Oct;26(4):195–202

Renin-angiotensin system and glomerular prostaglandins in early nephrotoxicity of ciclosporin. Perico N, et al. **Contrib Nephrol** 1986;51:120–5

Time course for prostaglandin synthesis by rabbit lens during endotoxin-induced ocular inflammation. Fleisher LN, et al. **Curr Eye Res** 1986 Sep;5(9):629–34

Prostaglandin production by calvariae from sham operated and oophorectomized rats: effect of 17 beta-estradiol in vivo. Feyen JH, et al. **Endocrinology** 1987 Aug; 121(2):819–21

Palytoxin: an extraordinarily potent stimulator of prostaglandin production and bone resorption in cultured mouse calvariae. Lazzaro M, et al. **Endocrinology** 1987 Apr; 120(4):1338–45

Testicular control of prostaglandin E2 production in rat vas deferens. Saito H, et al. **Endocrinology** 1986 Oct; 119(4):1733–40

Angiotensin peptides and prostaglandin E2 synthesis: modulation of neurogenic responses in the rabbit vas deferens. Saye J, et al. **Endocrinology** 1986 Nov; 119(5):1895–903

Tumor necrosis factor-alpha (cachectin) stimulates bone resorption in mouse calvaria via a prostaglandin-mediated mechanism. Tashjian AH Jr, et al. **Endocrinology** 1987 May; 120(5):2029–36

Synthetic human parathyroid hormone fragment stimulates prostaglandin E2 synthesis by chick calvariae [published erratum appears in Endocrinology 1987 Mar;120(3):1082] Yang CY, et al. **Endocrinology** 1987 Jan;120(1):63–70

Chondrocyte activation in response to factor(s) produced by a continuous line of lapine synovial fibroblasts. Watanabe S, et al. **Exp Cell Res** 1986 Nov;167(1):218–26

Prostaglandin synthesis and release from cultured human trabecular-meshwork cells and scleral fibroblasts. Gerritsen ME, et al. **Exp Eye Res** 1986 Dec;43(6):1089–102

Induction of cyclo-oxygenase by interleukin-1 in rheumatoid synovial cells. O'Neill LA, et al. **FEBS Lett** 1987 Feb 9; 212(1):35–9

Stimulation of prostaglandin E production in superfused human amnion by human amniotic fluid. Strickland DM, et al. **Gynecol Obstet Invest** 1987;23(1):23–7

Prostaglandins in the semicircular canal of the frog. Ferrary E, et al. **Hear Res** 1987;26(2):139–44

The role of prostaglandin E2 in duodenal mucosa of healthy subjects and duodenal ulcer patients. Basista M, et al. **Hepatogastroenterology** 1986 Dec;33(6):271–4

Kinetics of prostaglandin E2 and thromboxane A2 synthesis and suppression of PHA-stimulated peripheral blood mononuclear leucocytes. Awara W, et al. **Immunology** 1986 Dec;59(4):557–62

Bacterial antigens induce collagenase and prostaglandin E2 synthesis in human gingival fibroblasts through a primary effect on circulating mononuclear cells. Heath JK, et al. **Infect Immun** 1987 Sep;55(9):2148–54

The influence of theophylline treatment on PGE2 production, PGE2 sensitivity and the distribution pattern of lymphocyte classes relative to the immune status. Gillissen G, et al. **Int J Immunopharmacol** 1986;8(6):561–8

Alpha 1-adrenergic receptor induced subsensitivity and supersensitivity in rabbit iris-ciliary body. Effects on myo-inositol trisphosphate accumulation, arachidonate release, and prostaglandin synthesis. Yousufzai SY, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):409–19

Alpha 1-adrenergic receptor-mediated phosphoinositide hydrolysis and prostaglandin E2 formation in Madin-Darby canine kidney cells. Possible parallel activation of phospholipase C and phospholipase A2. Slivka SR, et al. **J Biol Chem** 1987 Mar 25;262(9):4200–7

Stimulation of prostaglandin E2 synthesis in cloned osteoblastic cells of mouse (MC3T3-E1) by epidermal growth factor. Yokota K, et al. **J Biol Chem** 1986 Nov 25;261(33):15410–5

Prostaglandin E2 synthesis in the inner medullary collecting duct of the rat: implications for vasopressin-dependent cyclic AMP formation. Jackson BA. **J Cell Physiol** 1986 Oct;129(1):60–4

Picogram measurement of prostaglandin E2 synthesis by gastric mucosa by high-performance liquid chromatography. Stein TA, et al. **J Chromatogr** 1987 Jan 9;385:377–82

Prostaglandin E2 and collagenase production by fibroblasts and synovial cells is regulated by urine-derived human interleukin 1 and inhibitor(s). Balavoine JF, et al. **J Clin Invest** 1986 Oct;78(4):1120–4

Identification of calmodulin-like activity in term human amnion: effect of calmodulin inhibitors on prostaglandin biosynthesis. Olson DM, et al. **J Dev Physiol** 1987 Jun; 9(3):271–85

Prostaglandin synthesis and release by subpopulations of rat alveolar macrophages. Chandler DB, et al. **J Immunol** 1987 Aug 1;139(3):893–8

Augmentation of IL 1-induced fibroblast PGE2 production by a urine-derived IL 1 inhibitor. Korn JH, et al. **J Immunol** 1987 May 15;138(10):3290–4

Membrane-associated interleukin 1 activity on human U937 tumor cells: stimulation of PGE2 production by human chondrosarcoma cells. Merluzzi VJ, et al. **J Immunol** 1987 Jul 1;139(1):166–8

Prostaglandin and thromboxane synthesis by highly enriched rabbit proximal tubular cells in culture. Alavi N, et al. **J Lab Clin Med** 1987 Sep;110(3):338–45

Differential elaboration of prostaglandin E2 by cells of the hemopoietic microenvironment in response to endotoxin. DeGowin RL, et al. **J Lab Clin Med** 1987 Jun; 109(6):679–86

Effect of Sar1-Ileu8-angiotensin on renal prostaglandin E2 biosynthesis and excretion. Katayama S, et al. **J Lab Clin Med** 1987 Apr;109(4):504–8

Effect of aspirin on experimental diabetic nephropathy. Moel DI, et al. **J Lab Clin Med** 1987 Sep;110(3):300–7

Differential prostaglandin production by unfractionated and density-fractionated human monocytes and alveolar macrophages. Elias JA, et al. **J Leukocyte Biol** 1987 Aug; 42(2):114–21

Stimulated synthesis of prostaglandin E2 or leukotrien C4 from myocardial cells is not a cause but a result of their injury under hypoxia. Ikeda U, et al. **J Mol Cell Cardiol** 1987 Jun;19(6):523–6

Prostaglandin E2 (PGE2)-dependent suppression of interleukin alpha (IL-2) production in patients with major trauma. Faist E, et al. **J Trauma** 1987 Aug;27(8):837–48

Contribution of prostaglandin E2 to bradykinin-induced contraction in rabbit urinary detrusor. Nakahata N, et al. **Jpn J Pharmacol** 1987 Apr;43(4):351–9

Immune complex effects on glomerular eicosanoid production and renal hemodynamics. Rahman MA, et al. **Kidney Int** 1987 Jun;31(6):1317–26

Prostaglandins and cannabis XV. Comparison of enantiomeric cannabinoids in stimulating prostaglandin synthesis in fibroblasts. Burstein S, et al. **Life Sci** 1986 Nov 10;39(19):1813–23

Stimulation of prostaglandin E2 production by phorbol esters and epidermal growth factor in porcine thyroid cells. Kasai K, et al. **Life Sci** 1987 Jul 13;41(2):241–7

Renal prostaglandin E2 and F2 alpha synthesis during exercise: effects of indomethacin and sulindac. Zambraski EJ, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):678–84

Sequential alterations in glomerular prostaglandin and thromboxane synthesis in diabetic rats: relationship to the hyperfiltration of early diabetes. Craven PA, et al. **Metabolism** 1987 Jan;36(1):95–103

Control of prostaglandin E2 synthesis in cultured rat inner medullary collecting tubule cells: the role of calcium. Teitelbaum I, et al. **Miner Electrolyte Metab** 1986; 12(5–6):308–13

Prostaglandin release in multiple sclerosis: correlation with disease activity. Dore-Duffy P, et al. **Neurology** 1986 Dec; 36(12):1587–90

Prostaglandin E synthesis in patients with multiple sclerosis [letter] Seidel D. **Neurology** 1987 Aug;37(8):1437–8

Renal tumors in infants [letter] Drut R. **Pediatr Pathol** 1986; 6(2–3):367

Dissociation of bradykinin-induced prostaglandin formation from phosphatidylinositol turnover in Swiss 3T3 fibroblasts: evidence for G protein regulation of phospholipase A2. Burch RM, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6374–8

Involvement of prostaglandins in the response of frog adrenocortical cells to muscarinic receptor activation. Delarue C, et al. **Prostaglandins** 1986 Jul;32(1):87–91

Suppression of prostaglandin synthesis by analogues of cyclic AMP and forskolin in chondrocyte monolayer cultures [published erratum appears in Prostaglandins 1986 Nov;32(5):following 788] Malemud CJ, et al. **Prostaglandins** 1986 Oct;32(4):495–501

Adrenergic receptors mediating prostaglandin production in the rabbit vas deferens. Trachte GJ. **Prostaglandins** 1987 Jan;33(1):25–35

Production of prostaglandins I2, E2 and F2 alpha by blood vessels of normotensive and hypertensive, male and female rats. Lennon EA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):71–89

Comparative study of the biosynthesis of PGE2, PGF2 alpha and TXA2 by different organs of genetically hypertensive (SHR) and obese-hypertensive (SHR-fa/fa) rats. Pham Huu Chanh, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):21–32

The effect of etretinate, a synthetic retinoid, on pancreatic prostaglandin production. Skeggs GB, et al. **Prostaglandins Leukotrienes Med** 1986 Nov;25(1):27–9

Prostaglandin synthesis and early biochemical events in the liver cells during the acute-phase response. Piccoletti R, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun; 56(3):291–300

Some characteristics and functional aspects of the human monokine, MCF, stimulating collagenase and PGE2 production by rheumatoid synovial cells. Dayer JM. **Scand J Rheumatol [Suppl]** 1981;40:88–92

The effect of EDTA on the production of prostacyclin by rat aorta. Vallés J, et al. **Thromb Res** 1986 Aug 15; 43(4):479–83

Mechanism of action of cyclosporine in preventing cardiac allograft rejection. II. Graft tissue levels of prostacyclin and thromboxane. Fan TP, et al. **Transplantation** 1987 Mar; 43(3):343–5

Prostaglandin production and suppressor cell induction in transfusion-induced immune suppression. Shelby J, et al. **Transplantation** 1987 Jan;43(1):113–6

Immunosuppression by canine distemper virus: modulation of in vitro immunoglobulin synthesis, interleukin release and prostaglandin E2 production. Krakowka S, et al. **Vet Immunol Immunopathol** 1987 Jun;15(3):181–201

The effect of viral transformation on prostaglandin production depends on cell type. Lin MC, et al. **Virology** 1986 Nov;155(1):19–26

[Changes in the adaptive cytoprotection and its relation to endogenous prostaglandins in rats with gastric mucosal atrophy] Wang JY, et al. **Sheng Li Hsueh Pao** 1987 Feb; 39(1):10–8 (Eng. Abstr.) **(Chi)**

[Demonstration of synergy between the factor stimulating

granulocytes and macrophages colonies and interleukin-I for the stimulation of prostaglandin E2 synthesis by bone marrow cells] Piquet-Pellorce C, et al. **C R Acad Sci [III]** 1987;305(9):345-50 (Eng. Abstr.) **(Fre)**

[Prostaglandin E2 and interleukin-1-producing activity of plastic-adherent cells from cancer patients as a result of modification by BRM therapy] Asai R, et al. **Gan To Kagaku Ryobo** 1987 Mar;14(3 Pt 2):922-30 (Eng. Abstr.) **(Jpn)**

[Interleukin-1 and prostaglandin production by human peripheral blood monocytes] Koval'chuk LV, et al. **Lab Delo** 1986;(11):657-60 (Eng. Abstr.) **(Rus)**

BLOOD

Miosis and plasma prostaglandin E metabolites during endotoxin fever. Jónasson H. **Acta Physiol Scand** 1987 May; 130(1):11-4

Estrogen, progesterone, prolactin, prostaglandin E2, prostaglandin F2 alpha, 13,14-dihydro-15-keto-prostaglandin F2 alpha, and 6-keto-prostaglandin F1 alpha gradients across the uterus in women in labor and not in labor. Davidson BJ, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):54-8

Plasma prostaglandin metabolite levels after use of prostaglandin E2 gel for cervical ripening. O'Brien WF, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1037-40

Synthesis of guanylhydrazones derived from 3-pyridinol and evaluation of their effect on serum thromboxane B2 and prostaglandin E2 production. Desideri N, et al. **Arzneimittelforschung** 1986 Nov;36(11):1561-3

Prostaglandin metabolism and intraocular pressure. Naveh-Floman N, et al. **Br J Ophthalmol** 1987 Apr; 71(4):254-6

Renal prostaglandin efflux induced by vasopressin, dDAVP and arachidonic acid: contrasting profile and sites of release. Miller MJ, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):577-84

Determination of peripheral plasma prostanoid concentration: an unreliable index of 'in vivo' prostanoid activity. Schweer H, et al. **Eur J Clin Pharmacol** 1986;31(3):303-5

Release of prostanoids into the portal and hepatic vein in patients with chronic liver disease. Wernze H, et al. **Hepatology** 1986 Sep-Oct;6(5):911-6

Antagonistic regulatory properties of the Fc region of immunoglobulin. Morgan EL, et al. **Immunopharmacology** 1986 Dec;12(3):221-32

The relationship between fetal breathing movements and prostaglandin E2 during ACTH-induced labour in sheep. Patrick J, et al. **J Dev Physiol** 1987 Jun;9(3):287-93

Ferritin and prostaglandins in hypertrophic osteoarthropathy [letter] Matucci-Cerinic M. **J Rheumatol** 1986 Aug; 13(4):834-6

Prostaglandin levels: predictors of indomethacin responsiveness. Hammerman C, et al. **Pediatr Cardiol** 1986; 7(2):61-5

The effect of endocervical PGE2-gel (Prepidil) gel on plasma levels of 13,14-dihydro-15-keto-PGE2 (PGEM) in women at term. Kimball FA, et al. **Prostaglandins** 1986 Oct; 32(4):527-37

Effects of intravenous administration of a calcium antagonist on prostaglandins and thromboxane in plasma and urine in humans. Honda M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2-3):289-302

Growth of an implanted fibrosarcoma in rats is associated with high levels of plasma prostaglandin-E2 and thromboxane-B2. Kort WJ, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):25-34

Prostaglandin E metabolite levels in umbilical cord plasma. Strickland DM, et al. **Prostaglandins Leukotrienes Med** 1986 Nov;25(1):51-2

[Plasma prostaglandin E levels in patients with transient cerebral ischemic attacks] Xue QM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Feb; 20(1):37-9 (Eng. Abstr.) **(Chi)**

[Eicosanoids and peripheral occlusive disease] Sinzinger H. **Verh Dtsch Ges Inn Med** 1986;92:619-22 **(Ger)**

[Cyclic nucleotides and prostaglandins E in the supernatant of cell cultures of myeloblastic, myelocytic and lymphocytic leukemias] Kiersnowska-Rogowska B, et al. **Pol Tyg Lek** 1987 Apr 27;42(17):500-2 **(Pol)**

[Prostaglandins and the immunological indices of patients with chronic heart failure] Kilasoniia LO, et al. **Ter Arkh** 1986;58(6):72-4 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[A biogenetic synthesis of prostaglandin E1 methyl ester] Xiao XL, et al. **Yao Hsueh Hsueh Pao** 1986 Aug; 21(8):630-2 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

Prostaglandin E2 differentiates between two forms of glucose transport inhibition by lipolytic agents. Steinfelder HJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):105-10

IMMUNOLOGY

Implication of prostaglandin E2 in soluble factor-mediated immune suppression by murine decidual cells. Tawfik OW, et al. **Am J Reprod Immunol Microbiol** 1986 Dec; 12(4):111-7

Recurrence of an allergic inflammation of air-pouch type in rats and possible participation of prostaglandin E2. Watanabe M, et al. **Int Arch Allergy Appl Immunol** 1987; 83(4):390-7

Reversal of SAP-induced immunosuppression and SAP detection by a monoclonal antibody. Özkan AN, et al. **J Trauma** 1987 Feb;27(2):123-6

A reevaluation of the role of prostaglandin E2 as an immunoregulator. Jordan ML, et al. **Transplant Proc** 1987 Aug;19(4):3388-90

ISOLATION & PURIFICATION

Separation and quantification of prostaglandins E1 and E2 as their panacyl derivatives using reverse phase high pressure liquid chromatography. Krakauer KA, et al. **Prostaglandins** 1986 Aug;32(2):301-10

Identification and biological activity of a novel natural prostaglandin, 5,6-dihydro-prostaglandin E3. Samel N, et al. **Prostaglandins** 1987 Jan;33(1):137-46

METABOLISM

Renal degradation and distribution between urinary and venous output of prostaglandins E2 and I2. Bugge JF, et al. **Acta Physiol Scand** 1987 Jul;130(3):467-74

Prostaglandin E2 20-hydroxylase in ampulla of vas deferens of sheep. Oliw EH. **Acta Physiol Scand** 1987 Feb; 129(2):259-62

Prostaglandin E2 and collagenase release by cultured talus from type II collagen arthritis rats. Westmacott D, et al. **Agents Actions** 1986 Dec;19(5-6):320-2

Prostaglandin E2 release on the fetal and maternal sides of the amnion and chorion-decidua before and after term labor. McCoshen JA, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):173-8

Changes in prostaglandin transfer across human fetal membranes obtained after spontaneous labor. Nakla S, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1337-41

Plasma concentrations of prostaglandin F2 alpha and prostaglandin E2 metabolites after transabdominal and transvaginal cervical cerclage. Novy MJ, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1543-52

Eicosanoid production by peritoneal and splenic macrophages in mice depleted of bone marrow by 89Sr [published erratum appears in Am J Pathol 1987 Jul;128(1):202] Shibata Y, et al. **Am J Pathol** 1987 Apr; 127(1):75-82

In vivo demonstration of glomerular PGE2 responses to physiological manipulations and experimental agents. Schlondorff D, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F717-23

Indomethacin inhibits duodenal mucosal bicarbonate secretion and endogenous prostaglandin E2 output in human subjects. Selling JA, et al. **Ann Intern Med** 1987 Mar;106(3):368-71

Interleukin-1 beta and interleukin-1 alpha stimulate the plasminogen activator activity and prostaglandin E2 levels of human synovial cells. Leizer T, et al. **Arthritis Rheum** 1987 May;30(5):562-6

Effect of tenoxicam and indomethacin on the release of histamine, prostaglandin E2 and leukotrienes from various cells. König W, et al. **Arzneimittelforschung** 1987 Mar; 37(3):296-9

Cyclosporin A inhibits PGE2 release from vascular smooth muscle cells. Kurtz A, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):542-9

Metabolic dehydration of prostaglandin E2 and cellular uptake of the dehydration product: correlation with prostaglandin E2-induced growth inhibition. Ohno K, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):808-15

Prostaglandin E1 binding protein on the surface of primary cultured hepatocytes. Okumura T, et al. **Biochem Int** 1987 Mar;14(3):443-9

Characterization of prostaglandin E2 20-hydroxylase of sheep vesicular glands. Oliw EH, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):113-9

Niacin-induced flush as a measure of prostaglandin activity in alcoholics and schizophrenics. Fiedler P, et al. **Biol Psychiatry** 1986 Nov;21(13):1347-50

Endometrial prostaglandin E2-binding sites in the pig: characterization and changes during the estrous cycle and early pregnancy. Kennedy TG, et al. **Biol Reprod** 1986 Oct;35(3):624-32

Prostaglandin levels in peripheral and follicular plasma, the isolated theca and granulosa layers of pre- and postovulatory follicles, and the myometrium and mucosa of the shell gland (uterus) during a midsequence-oviposition of the hen (Gallus domesticus). Saito N, et al. **Biol Reprod** 1987 Feb;36(1):89-96

Identification of 13,14-dihydro-15-oxo-prostaglandin F2 alpha in the circulation during infusions of bradykinin and prostaglandin E2 in man. Barrow SE, et al. **Br J Pharmacol** 1987 May;91(1):245-50

Evidence for increased activity of mouse brain fatty acid cyclooxygenase following drug-induced convulsions. Lysz TW, et al. **Brain Res** 1987 Apr 7;408(1-2):6-12

Phospholipase A2, leukotriene C4 and prostaglandin E2 levels in aqueous humour of guinea pigs with experimental S-antigen induced autoimmune uveitis. Mahlberg K, et al. **Curr Eye Res** 1987 Feb;6(2):321-35

Effect of sucralfate on the gastric mucosal levels of prostaglandin E2. Auguste LJ, et al. **Curr Surg** 1987 Mar-Apr;44(2):127-32

Prostaglandins in breast milk. Friedman Z. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2-3):285-91

Fasting-induced changes in prostaglandin binding in isolated hepatocytes and liver plasma membranes. Garrity MJ, et al. **Endocrinology** 1987 Mar;120(3):1134-9

Endogenous prostaglandin E2 in gastric mucosa of patients with alcoholic cirrhosis and portal hypertension. Arakawa T, et al. **Gastroenterology** 1987 Jul;93(1):135-40

Effect of azodisal sodium and sulphasalazine on ileostomy output of fluid and PGE2 and PGF2 alpha in subjects with a permanent ileostomy. Sandberg-Gertzén H, et al. **Gut** 1986 Nov;27(11):1306-11

The role of prostaglandins E and F in acalculous gallbladder disease. Kaminski DL, et al. **Hepatogastroenterology** 1987 Apr;34(2):70-3

Subpressor infusions of angiotensin II alter glomerular binding, prostaglandin E2, and cyclic AMP production. Douglas JG. **Hypertension** 1987 Jun;9(6 Pt 2):III49-56

Serum ovarian steroids, prolactin and prostaglandin metabolites in women using the inert intrauterine device. Shalev E, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):139-44

Association of a solubilized prostaglandin E2 receptor from renal medulla with a pertussis toxin-reactive guanine nucleotide regulatory protein. Watanabe T, et al. **J Biol Chem** 1986 Oct 15;261(29):13430-7

Mass spectrometric evidence for the conversion of exogenous adrenate to dihomo-prostaglandins by seminal vesicle cyclo-oxygenase. A comparative study of two animal species. Ferretti A, et al. **J Chromatogr** 1986 Dec 19; 383(2):241-50

The effect of the antiprogestins RU 486 and ZK 98734 on the synthesis and metabolism of prostaglandins F2 alpha and E2 in separated cells from early human decidua. Smith SK, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):527-34

Metabolism of prostaglandin E2 by mouse embryo palate mesenchyme cells in vitro. Chabot MC, et al. **J Craniofac Genet Dev Biol** 1986;6(4):379-82

Cell-bound C3b stimulates human monocyte release of prostaglandin E and thromboxane B2. Fulford DE, et al. **J Leukocyte Biol** 1987 Apr;41(4):363-6

Prostaglandin levels in a unicameral bone cyst treated by corticosteroid injection. Shindell R, et al. **J Pediatr Orthop** 1987 Mar-Apr;7(2):210-2

Arachidonic acid protection of rat mucosa against stress ulceration. Auguste LJ, et al. **J Surg Res** 1987 Jul; 43(1):103-6

Inhibition of 15-hydroxy prostaglandin dehydrogenase and increase of prostaglandin E2: effect of sofalcone on rat gastric mucosa. Muramatsu M, et al. **Life Sci** 1987 Jul 20; 41(3):315-22

Unilateral renal radiation blood pressure and PGE2-like renal substance. A one-kidney model. Juncos LI, et al. **Medicina (B Aires)** 1986;46(3):281-6

Blood pressure and renal prostaglandin E2-like content in unilateral kidney radiation. A two-kidney model. Juncos LI, et al. **Medicina (B Aires)** 1986;46(3):275-80

Changes in amniotic fluid prostaglandins with oxytocin-induced labor. Padayachi T, et al. **Obstet Gynecol** 1986 Nov;68(5):610-3

Uptake and release of 3H prostaglandins E2 and F2 alpha in uterine strips isolated from ovariectomized rats. Influence of in vitro progesterone. Gimeno MF, et al. **Prostaglandins** 1987 Jan;33(1):51-61

Increase in thromboxane B2 and decrease in prostaglandin E2 and 6-keto-prostaglandin F1 alpha release into rat bronchoalveolar fluid as a consequence of cigarette smoking. Tanizawa H, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):195-201

Effect of sofalcone on gastric mucosal prostaglandin metabolism in taurocholate induced gastritis in rats. Muramatsu M, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):289-300

Simultaneous measurement of in vitro gastroduodenal prostaglandin E2 synthesis and degradation in peptic ulcer disease. Crampton JR, et al. **Scand J Gastroenterol** 1987 May;22(4):425-30

Substance P activation of rheumatoid synoviocytes: neural pathway in pathogenesis of arthritis. Lotz M, et al. **Science** 1987 Feb 20;235(4791):893-5

Increment of prostaglandin E2 in association with elevation of urinary sodium excretion following lead administration. Suketa Y, et al. **Toxicol Lett** 1986 Sep;32(3):221-6

Further evidence for gastroprotection induced by aluminium hydroxide in the rat. Szelenyi I, et al. **Z Gastroenterol** 1986 Dec;24(12):717-21

E-type prostaglandin binding sites in isolated canine parietal cells: elucidation with (3H) misoprostol free acid. Tsai BS, et al. **Z Gastroenterol** 1987 Apr;25(4):201-6

[Endogenous prostaglandins mediating adaptive cytoprotection on gastric mucosa by pepsin] Wang JY, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):451-8 (Eng. Abstr.) **(Chi)**

[The eventration syndrome: prostacyclin liberation and acute hypoxemia due to eventration of the small intestine] Seeling W, et al. **Anaesthesist** 1986 Dec;35(12):738-43 (Eng. Abstr.) **(Ger)**

[Effect of benzydamine on release of prostaglandin E2 and prostacyclin from rabbit gastric mucosa cells] Hell M, et al. **Arzneimittelforschung** 1987 May;37(5A):624–5 (Eng. Abstr.) **(Ger)**

[Study on prostaglandin E involved in tooth movement—immunohistochemical observation] Taguchi M. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):106–28 (Eng. Abstr.) **(Jpn)**

[A study on the mechanism of development of acute gastric ulcer in hemorrhagic shock—with special reference to the relation of PGE2 and noradrenaline levels in the gastric mucosa and changes in gastric mucosal blood flow] Fukuoka S, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun; 88(6):701–9 (Eng. Abstr.) **(Jpn)**

[Effect of tetragastrin on prostaglandin release into gastric lumen in humans] Arakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):851–6 (Eng. Abstr.) **(Jpn)**

[Synthesis of (8Z,11Z,14Z)-eicosatrien-5-ynoic (5,6-dehydroarachidonic) acid and its transformation into [5,6-3H]arachidonic acid and [5,6-3H]prostaglandins E2 and F2 alpha] Miagkova GI, et al. **Bioorg Khim** 1987 Mar; 13(3):415–9 (Eng. Abstr.) **(Rus)**

[Prostaglandin and cAMP levels in the endometrium of women with a normal menstrual cycle] Goncharova VN, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):29–32 (Eng. Abstr.) **(Rus)**

[Interactions of thyrotropin and prostaglandins E2 with receptors and their effect on the cAMP levels in human thyroid tissue] Rom–Bugoslovskaia ES, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):32–5 (Eng. Abstr.) **(Rus)**

[Effect of different doses of ionizing radiation on the binding of prostaglandin E2 in mouse tissues] Prianishnikova EN, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):652–5 (Eng. Abstr.) **(Rus)**

[Prostaglandin and cyclic nucleotide levels in patients with peptic ulcer and chronic gastritis with secretory insufficiency] Valenkevich LN, et al. **Ter Arkh** 1987; 59(2):29–31 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of flavonoid on PGE2-induced alterations in percentage collagen synthesis in ossicle organ cultures. Ribári O, et al. **Acta Otolaryngol (Stockh)** 1987 May–Jun; 103(5–6):657–60

Ascorbic acid, PGE2 and acetylcholine interaction: the effect on isolated smooth muscle. Poćwiardowska–Ciara E, et al. **Acta Physiol Pol** 1986 Jan–Feb;37(1):18–24

Cyclic AMP-antagonist, a second messenger for insulin action, inhibits glucose-stimulated insulin secretion in isolated islets of Chinese hamsters. Partke HJ, et al. **Adv Exp Med Biol** 1986;211:409–12

Substances affecting the infection and replication of human immunodeficiency virus (HIV). Yamamoto N, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S183–9

Central angiotensin II and PGE2 act independently to increase blood pressure in conscious sheep. Breuhaus BA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R73–7

Vasoactive agents affect mesangial cell adhesion. Kreisberg JI, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C505–11

Menstrual cycle and sensitivity of human fallopian tube to prostaglandins. Nozaki M, et al. **Am J Physiol** 1986 Dec; 251(6 Pt 2):R1126–36

Effect of prostaglandin E1 on the periosteal regional accelerateory phenomenon in fractured ribs: histomorphometric study in beagles. Shih MS, et al. **Am J Vet Res** 1987 May;48(5):828–30

Prostaglandin E2 inhibits the generation of phytohemagglutinin-activated killer activity in human peripheral blood lymphocytes. Yamashita N, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1113–6

The action of prostaglandin E2 on the rhythmic activity of circular muscle of the isolated guinea-pig ileum. Grbović L, et al. **Arch Int Pharmacodyn Ther** 1987 Jan;285(1):166–76

Effects of prostaglandin E2 and I2 on renal cortical and medullary blood flow in rabbits. Yoshida M, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):108–17

Suppression of interleukin 2 production in an animal model of thermal injury is related to prostaglandin synthesis. Wood JJ, et al. **Arch Surg** 1987 Feb;122(2):179–84

Prevention of the acetylsalicylic acid–induced changes of the gastric potential difference by the new synthetic prostaglandin E1 analogue rioprostil. Demol P, et al. **Arzneimittelforschung** 1986 Sep;36(9):1406–8

Glycogenolytic and haemodynamic responses to heat–aggregated immunoglobulin G and prostaglandin E2 in the perfused rat liver. Buxton DB, et al. **Biochem J** 1987 Apr 15;243(2):493–8

Inhibition of glucagon–stimulated cAMP accumulation and fatty acid oxidation by E-series prostaglandins in isolated rat hepatocytes. Brass EP, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):122–6

Prostaglandin E2 directly protects isolated rat gastric surface cell membranes against bile salts. Güldütuna S, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):217–22

Cell-specific localization of prostaglandin E2-sensitive adenylate cyclase in rabbit endometrium. Fortier MA, et al. **Biol Reprod** 1987 May;36(4):1025–33

The effect of human chorionic gonadotropin, dibutyryl cyclic adenosine 3',5'-monophosphate, prostaglandins, and 25-hydroxycholesterol on acute progesterone secretion by dissociated rabbit luteal cells in vitro: evidence for independent effect of human chorionic gonadotropins and lipoproteins. McLean MP, et al. **Biol Reprod** 1987 May; 36(4):854–63

The influence of prostaglandin E2 and indomethacin on progesterone production and ovulation in the rabbit ovary perfused in vitro. Schmidt G, et al. **Biol Reprod** 1986 Nov; 35(4):815–21

The role of bone cells in increasing metaphyseal hard tissue in rapidly growing rats treated with prostaglandin E2. Jee WS, et al. **Bone** 1987;8(3):171–8

The effects in the excess administration of prostaglandin E1 on the indicator enzymes of organella membrane in gastric mucosa. Ozeki T, et al. **Br J Exp Pathol** 1987 Apr; 68(2):209–14

Failure of prostaglandin E2 and its 16,16-dimethyl analogue to prevent the gastric mucosal damage induced by Paf. Steel G, et al. **Br J Pharmacol** 1987 Feb;90(2):365–71

Amplification of prostaglandin E2 stimulation of luteinizing hormone–releasing hormone release from median eminence explants: a metal(II)–specific effect of chelated copper. Barnea A, et al. **Brain Res** 1986 Oct 1;384(1):101–5

Effects of prostaglandin E2, forskolin and cholera toxin on cAMP production and in vitro LH–RH release from the rat hypothalamus. Kim K, et al. **Brain Res** 1986 Oct 29; 386(1–2):258–65

Characterization of PGE2 inhibition of corticotropin releasing factor–mediated ACTH release. Sobel DO. **Brain Res** 1987 May 12;411(1):102–7

Prostaglandin E2 causes a transient inhibition of mineral mobilization, matrix degradation, and lysosomal enzyme release from mouse calvarial bones in vitro. Lerner UH, et al. **Calcif Tissue Int** 1987 Jun;40(6):323–31

Effects of prostaglandins on regional remodeling changes during tibial healing in beagles: a histomorphometric study. Shih MS, et al. **Calcif Tissue Int** 1986 Sep;39(3):191–7

Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in rat brain slices. Watanabe T, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1382–8

Abnormal colony formation and prostaglandin E responsiveness of myeloid progenitor cells in patients cured of germ cell neoplasms after combination chemotherapy. Leitner SP, et al. **Cancer** 1987 Aug 1;60(3):312–7

Suppression of the cutaneous immune response following topical application of the prostaglandin PGE2. Rheins LA, et al. **Cell Immunol** 1987 Apr 15;106(1):33–42

Reduced prostaglandin E2 (PGE2) receptors on atopic T lymphocytes. Rocklin RE, et al. **Cell Immunol** 1986 Apr 15;99(1):294–9

Prostaglandin E2 inhibits human T-cell proliferation after crosslinking of the CD3-Ti complex by directly affecting T cells at an early step of the activation process. Vercammen C, et al. **Cell Immunol** 1987 Jan;104(1):24–36

Morphological and physiological effects of a cytoprotective prostaglandin analog (rioprostil) on the rat gastric mucosa. Morris GP, et al. **Clin Invest Med** 1987 May;10(3):121–31

Gastric effects of a prostaglandin E1–derivate (rioprostil) on acid, alkaline, and mucus secretion. Guslandi M, et al. **Clin Ther** 1986;8(6):619–23

Antagonistic actions of prostaglandins E2 and F2 alpha on the isolated lungs of the frog, Rana esculenta L. Piomelli D, et al. **Comp Biochem Physiol [C]** 1987;87(1):21–2

Epidermal growth factor potentiates the induction of ornithine decarboxylase activity by prostaglandins in embryonic palate mesenchymal cells: effects on cell proliferation and glycosaminoglycan synthesis. Pisano MM, et al. **Dev Biol** 1987 Aug;122(2):419–31

Prostaglandin modulation of the postnatal development of T and B lymphocytes in the spleens of newborn mice. Shibuya T, et al. **Dev Comp Immunol** 1986 Summer; 10(3):419–28

Receptor–mediated adenylate cyclase–coupled mechanism for PGE2 inhibition of insulin secretion in HIT cells. Robertson RP, et al. **Diabetes** 1987 Sep;36(9):1047–53

Evidence that PGE2 stimulates intestinal epithelial cell adenylate cyclase by a receptor–mediated mechanism. Smith G, et al. **Dig Dis Sci** 1987 Jan;32(1):71–5

Effect of prostaglandin PGE2 on alcohol–induced ulceration in the rat colon. Psaila JV, et al. **Digestion** 1986;35(4):224–8

Effect of rioprostil, a synthetic prostaglandin E1 on meal–stimulated gastric acid secretion and plasma gastrin levels in humans. Schulte K, et al. **Digestion** 1987; 36(3):162–7

Influence of the prostaglandin E1 analogue Rioprostil on the human gastric mucosa. Svendsen LB, et al. **Digestion** 1987; 37(1):29–34

Cell proliferation of the rat gastrointestinal mucosa after treatment with E2 prostaglandins and indomethacin. Uribe A, et al. **Digestion** 1987;36(4):238–45

A comparative study of disaggregated chick and rat osteoclasts in vitro: effects of calcitonin and prostaglandins. Arnett TR, et al. **Endocrinology** 1987 Feb;120(2):602–8

Neuropeptide Y levels in microdissected regions of the hypothalamus and in vitro release in response to KCl and prostaglandin E2: effects of castration. Sahu A, et al. **Endocrinology** 1987 May;120(5):1831–6

Eicosanoids and equine leucocyte locomotion in vitro. Lees P, et al. **Equine Vet J** 1986 Nov;18(6):493–7

Effect of oral prostaglandin E2 on DNA turnover in gastric and intestinal epithelia of the rat. Johansson C, et al. **Eur J Clin Invest** 1986 Dec;16(6):509–14

Effects of intracamerally infused prostaglandins on outflow facility in cynomolgus monkey eyes with intact or retrodisplaced ciliary muscle. Kaufman PL. **Exp Eye Res** 1986 Nov;43(5):819–27

In vivo modulation of myelopoiesis by prostaglandin E2. II. Inhibition of granulocyte–monocyte progenitor cell (CFU–GM) cell–cycle rate. Gentile PS, et al. **Exp Hematol** 1987 Feb;15(2):119–26

Activation of protein kinase C inhibits prostaglandin– and potentiates adenosine receptor–stimulated accumulation of cyclic AMP in a human T-cell leukemia line. Nordstedt C, et al. **FEBS Lett** 1987 Aug 10;220(1):57–60

The effect of relaxin and prostaglandin E2 on the motility of human spermatozoa. Colon JM, et al. **Fertil Steril** 1986 Dec;46(6):1133–9

Regulation of oxygen radical release from murine peritoneal macrophages by pharmacologic doses of PGE2. McLeish KR, et al. **Free Radic Biol Med** 1987;3(1):15–20

In vitro effect of prostaglandins on the accumulation of cyclic AMP in the avian oviduct. Asem EK, et al. **Gen Comp Endocrinol** 1987 May;66(2):244–7

In vitro effects of serotonin and prostaglandins on release of eggs from the ovary of the scallop, Patinopecten yessoensis. Matsutani T, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):111–8

Effect of non–steroidal anti–inflammatory drugs and prostaglandins on the permeability of the human small intestine. Bjarnason I, et al. **Gut** 1986 Nov;27(11):1292–7

Hormone–responsive cells derived from human dental papilla: characterization in vitro and in vivo in diffusion chambers. Shteyer A, et al. **In Vitro Cell Dev Biol** 1987 Jan;23(1):15–20

Modulatory effect of prostaglandin E2 on the immune response in mice, with special reference to anti–sperm immunity. Bratanov K, et al. **Int J Fertil** 1986 Sep–Oct; 31(4):305–10

Ripening of the cervix with prostaglandin E2–gel. A randomized study with a new ready–to–use compound of triacetin–prostaglandin–E2–gel. Kristoffersen M, et al. **Int J Gynaecol Obstet** 1986 Aug;24(4):297–300

The combined effect of prostaglandin E2 and interleukin 1 on interleukin 2 production and lymphocyte proliferation. Maca RD. **Int J Immunopharmacol** 1987;9(5):611–8

Effects of prostaglandins on fetal breathing do not involve peripheral chemoreceptors. Murai DT, et al. **J Appl Physiol** 1987 Jan;62(1):271–7

Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in guinea pig brain slices. Ono T, et al. **J Appl Physiol** 1987 Jul;63(1):175–80

Effects of the antihypertensive prostaglandin analog Ro 22–1327 on regional blood flows in the spontaneously hypertensive rat. Harper SL, et al. **J Cardiovasc Pharmacol** 1987 Mar;9(3):285–90

Analysis of prostaglandin E2 effect on T lymphocyte activation. Abrogation of prostaglandin E2 inhibitory effect by the tumor promotor 12.0 tetradecanoyl phorbol–13 acetate. Chouaib S, et al. **J Clin Invest** 1987 Aug; 80(2):333–40

Hormonal regulation of proton secretion in rabbit medullary collecting duct. Hays S, et al. **J Clin Invest** 1986 Nov; 78(5):1279–86

Immune regulation of the L5178Y murine tumor–dormant state. I. In vivo and in vitro effects of prostaglandin E2 and indomethacin on tumor cell growth. Liu CM, et al. **J Exp Med** 1986 Oct 1;164(4):1259–73

Uniform cartilage differentiation in micromass cultures prepared from a relatively homogeneous population of chondrogenic progenitor cells of the chick limb bud: effect of prostaglandins. Gay SW, et al. **J Exp Zool** 1984 Nov; 232(2):317–26

Sequential effects of prostaglandins and interferon–gamma on differentiation of CD8+ suppressor cells. ElMasry MN, et al. **J Immunol** 1987 Aug 1;139(3):688–94

Regulation of B cell activation by prostaglandins: cell cycle–specific effects on activation by anti–immunoglobulin and 8–mercaptoguanosine. Goodman MG. **J Immunol** 1986 Dec 15;137(12):3753–7

Inhibition of human B cell responsiveness by prostaglandin E2. Simkin NJ, et al. **J Immunol** 1987 Feb 15;138(4):1074–81

The functional significance of the regulation of macrophage Ia expression by endogenous arachidonate metabolites in vitro. Tripp CS, et al. **J Immunol** 1986 Dec 15; 137(12):3915–20

Effects of chronic intracutaneous administration of arachidonic acid and its metabolites. Induction of leukocytoclastic vasculitis by leukotriene B4 and 12–hydroxyeicosatetraenoic acid and its prevention by prostaglandin E2. Ruzicka T, et al. **J Invest Dermatol** 1987 Feb;88(2):120–3

Stimulatory effect of prostaglandin E2 on the configuration of normal human melanocytes in vitro. Tomita Y, et al. **J Invest Dermatol** 1987 Sep;89(3):299–301

Prostaglandin E2–stimulated glandular ion and water secretion in isolated frog skin (Rana esculenta). Bjerregaard HF, et al. **J Membr Biol** 1987;97(1):9–19

Modulation of class II (DR and DQ) antigen expression on gingival Langerhans cells in vitro by gamma interferon and prostaglandin E2. Walsh LJ, et al. **J Oral Pathol** 1986 Jul;15(6):347–51

Changes in the structure of rat mucous glycoprotein and prostaglandin cytoprotection. Murakami S, et al. **J Pharmacobiodyn** 1986 Sep;9(9):760–70

Alteration in gastric mucosal acid protease activity induced

by necrotizing agents and prevention by prostaglandin E2. Muto N, et al. **J Pharmacobiodyn** 1987 Mar;10(3):128–34

Effects of prostaglandins E–2 and F–2 alpha on the metabolism of [U–14C]glucose by mouse morulae–early blastocysts in vitro. Khurana NK, et al. **J Reprod Fertil** 1987 Jan;79(1):275–80

Prostaglandin inhibition of acid is cAMP dependent. Zucker KA, et al. **J Surg Res** 1987 May;42(5):513–20

Response of the isolated human seminiferous tubule to prostaglandins F1 alpha, F2 alpha, E1 and E2. Yamamoto M, et al. **J Urol** 1987 Feb;137(2):345–8

Antigastrolesive, gastric antisecretory, diarrheagenic and mucus–stimulating effects in rats following topically applied rioprostil, a synthetic prostaglandin E1 analog. Katz LB, et al. **Life Sci** 1987 Sep 28;41(13):1591–8

Effect of prostaglandin E2 on the small intestine of indomethacin–treated rats. Romain N, et al. **Life Sci** 1987 Sep 7;41(10):1199–205

Prostaglandin gel for cervical ripening. Glazer G, et al. **MCN** 1987 Jan–Feb;12(1):28–31

Prostaglandin E2 and the regulation of protein degradation in skeletal muscle. Barnett JG, et al. **Muscle Nerve** 1987 Jul–Aug;10(6):556–9

Postsynaptic inhibition of the frog neuromuscular transmission by prostaglandin E1. Tsurusaki M, et al. **Neurosci Lett** 1987 Jun 26;77(3):303–7

Possible involvement of prostaglandins in cataleptic behavior in rats. Ono N, et al. **Pharmacol Biochem Behav** 1986 Aug; 25(2):463–7

Effect of pirenzepine and PGE2 on taurocholic acid–induced gastric lesions. Varin L, et al. **Pharmacol Res Commun** 1986 Aug;18(8):707–15

Copper amplification of prostaglandin E2 stimulation of the release of luteinizing hormone–releasing hormone is a postreceptor event. Barnea A, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):580–4

Sparing effects of intrauterine treatment with prostaglandin E2 on luteal function in cycling gilts. Akinlosotu BA, et al. **Prostaglandins** 1986 Aug;32(2):291–9

Prostaglandin E2 enhances uterine stromal cell alkaline phosphatase activity in vitro. Daniel SA, et al. **Prostaglandins** 1987 Feb;33(2):241–52

Interaction between prostaglandin E2 and leukotriene D4 on the excretion of electrolytes by the dog kidney in vivo. Hébert RL, et al. **Prostaglandins** 1987 Feb;33(2):301–13

Involvement of prostaglandins in the effect of cupric ions on the human uterus. Laudanski T, et al. **Prostaglandins** 1986 Jul;32(1):33–41

The lack of involvement of central nervous system in the antiarrhythmic effects of prostaglandins E2, F2 alpha, and I2 in cat. Rao TS, et al. **Prostaglandins** 1987 Mar; 33(3):339–50

Effect upon the human myometrium during early pregnancy of prostaglandin E2 and its analogue 16–phenoxy–omega–17,18,19,20–tetranor–PGE2 methyl sulfonylamide. Rydnert J. **Prostaglandins** 1986 Jul; 32(1):57–61

Tissue differences in vascular permeability induced by leukotriene B4 and prostaglandin E2 in the rat. Stenson WF, et al. **Prostaglandins** 1986 Jul;32(1):5–17

The relative resistance of lymphokine activated killer cells to suppression by prostaglandins and glucocorticoids. Imir T, et al. **Prostaglandins Leukotrienes Med** 1987 Jul; 28(2):111–8

Prostaglandin responses on tracheal epithelium: inhibition by TMB–8. Rangachari PK, et al. **Prostaglandins Leukotrienes Med** 1986 Nov;25(1):49–50

Peripheral prostaglandin metabolite levels in women undergoing therapeutic abortions in the first trimester with and without treatment with prostaglandin synthetase inhibitor. Wolfe WM, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):53–9

The effect of prostaglandins E2 and F2 alpha on the vascular bed of the isolated perfused rabbit liver during perfusion with the erythrocyte–free medium and autologous blood. Macek K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984; 27(4):463–76

Cell cycle distribution of proliferative and functional cells of the rat jejunum after treatment with oral E2 prostaglandins. Uribe A, et al. **Scand J Gastroenterol** 1987 Mar;22(2):177–84

Assessment of the actions of prostanoids in the protection and repair of the gastric mucosa. Whittle BJ, et al. **Scand J Gastroenterol [Suppl]** 1986;125:128–35

Distinction between responsiveness of macrophages to cyclic–AMP elevation by prostaglandin E2 and prostacyclin. Bonta IL, et al. **Scand J Rheumatol [Suppl]** 1981;40:58–61

Macrophage regulation of collagen deposition in granuloma tissue in vivo and the effect of prostaglandin E2. Parnham MJ, et al. **Scand J Rheumatol [Suppl]** 1981;40:72–4

New evidence for prostaglandin induced motility of the ureter. Al–Ugaily L, et al. **Scand J Urol Nephrol** 1986; 20(3):225–9

Morphometric analysis of epithelial cells of frog urinary bladder. I. Effect of antidiuretic hormone, calcium ionophore (A23187) and PGE2. Mia AJ, et al. **Tissue Cell** 1987;19(3):437–50

Prostaglandin E2 mediates subset–specific effects on the functional responses of allosensitized T lymphocyte clones. Jordan ML, et al. **Transplantation** 1987 Jan;43(1):117–23

Potent inhibition of superoxide anion generation by PGE1 and the PGE1 analogue OP–1206 in human PMN's—unrelated to its antiplatelet PGI2–like activity. Schrör K, et al. **Vasa [Suppl]** 1987;17:11–6

In vitro effects of prostaglandin E1, prostaglandin E2, indomethacin, histamine, and tuftsin on chemiluminescence response of bovine polymorphonuclear leukocytes. Phillips TR, et al. **Vet Immunol Immunopathol** 1987 Mar; 14(3):233–44

[Effect of PGE2 on alloxan–induced inhibition of insulin release in isolated neonatal rat pancreatic islets] Wang JL, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):643–9 (Eng. Abstr.) **(Chi)**

[Cytoprotective effect of prostaglandin E2 on pancreatic islet beta–cells of alloxan–induced diabetic rats] Wang JL, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):191–201 (Eng. Abstr.) **(Chi)**

[Effect of PGE2 on the cyclic nucleotide content of isolated neonatal rat pancreatic islets treated with alloxan] Wang JL, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):403–8 (Eng. Abstr.) **(Chi)**

[Effect of gold (III) on prostaglandin E2–stimulated adenyl cyclase in chick fibroblasts and osteoblasts] Keck E, et al. **Z Rheumatol** 1986 Nov–Dec;45(6):304–9 (Eng. Abstr.) **(Ger)**

[Experimental study of esophageal cancer—effect of alcohol, vitamin C, prostaglandin E2 and tegafur on carcinogenesis by N–methyl–N–amylnitrosamine and the development of esophageal carcinoma] Shimizu T. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1232–43 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandins on the contractile mechanism, especially on an intracellular Ca store in uterine smooth muscle cells] Takayama T. **Nippon Heikatsukin Gakkai Zasshi** 1986 Feb;22(1):31–42 (Eng. Abstr.) **(Jpn)**

[Inhibition of growth of human endometrial adenocarcinoma cells in vitro treated with prostaglandin F2 alpha, E2, D2 and J2] Suzuki H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Aug 20;62(8):857–66 (Eng. Abstr.) **(Jpn)**

[Inhibition of human ovarian cancer cell growth by prostaglandin D2] Miyauchi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):215–20 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandin derivatives on gastric mucus glycoproteins] Kuwata H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2310–7 (Eng. Abstr.) **(Jpn)**

[Changes in the cytologic and electrophysiologic parameters of rat oocytes in response to prostaglandins F2 alpha and E2] Makusheva VP, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):46–9 (Eng. Abstr.) **(Rus)**

[Methodologic approach to studying the modulating effects of prostaglandin E2 in the hormonally–stimulated adenyl cyclase system of erythrocytes] Malaia LT, et al. **Fiziol Zh** 1987 Jan–Feb;33(1):96–9 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2 on the secretory function of the stomach] Panasiuk EN, et al. **Fiziol Zh SSSR** 1986 Nov; 72(11):1545–51 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2 on the reactivity of mesenteric microcirculation in toxic hepatitis and parenteral nutrition] Glants RM, et al. **Gematol Transfuziol** 1986 Dec; 31(12):32–4 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2 on the hemopoietic cells of the bone marrow and spleen] Gromykhina NIu, et al. **Gematol Transfuziol** 1986 Nov;31(11):34–7 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2 on stress ulcer in the rat] Alonso Verdejo F, et al. **Rev Esp Enferm Apar Dig** 1986 Oct; 70(4):293–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Immunosuppressive actions of prostaglandins and the possible increase in chronic inflammation after cyclo–oxygenase inhibitors. Lewis GP, et al. **Agents Actions** 1986 Oct; 19(1–2):59–65

Lipid mediators in the control of the ductus arteriosus. Olley PM, et al. **Am Rev Respir Dis** 1987 Jul;136(1):218–9

Analysis of tumor–promoter–induced inflammation in rats: participation of histamine and prostaglandin E2. Ohuchi K, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):156–63

Involvement of intramural prostaglandin E2 in prenatal patency of the lamb ductus arteriosus. Coceani F, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):737–44

The role of prostaglandins in C3a–mediated suppression of human in vitro polyclonal antibody responses. Morgan EL. **Clin Immunol Immunopathol** 1987 Jul;44(1):1–11

A physiological role of E and F series prostaglandins in the regulation of TSH secretion. Yamauchi K, et al. **Endocrinol Jpn** 1986 Dec;33(6):863–73

Prostaglandin E acts at two levels to enhance colony formation in vitro by erythroid (BFU–E) progenitor cells. Lu L, et al. **Exp Hematol** 1987 Aug;15(7):765–71

Central nervous system influence of prostaglandin E2 on jejunal water and electrolyte transport in conscious dogs. Primi MP, et al. **Gastroenterology** 1986 Dec;91(6):1427–32

Maintenance of corneal endothelial cell shape by prostaglandin E2: effects of EGF and indomethacin. Neufeld AH, et al. **Invest Ophthalmol Vis Sci** 1986 Oct; 27(10):1437–42

Cardiovascular actions in vitro and cardioprotective effects in vivo of nileprost, a mixed type PGI2/PGE2 agonist. Darius H, et al. **J Cardiovasc Pharmacol** 1987 Aug; 10(2):144–52

Immune dysfunction in primary biliary cirrhosis (PBC): I. Increased sensitivity of PHA stimulated lymphocyte cultures to indomethacin. Licastro F, et al. **J Clin Lab Immunol** 1987 May;23(1):19–23

Heterologous regulations of cAMP responses in pregnant rat myometrium. Evolution from a stimulatory to an inhibitory prostaglandin E2 and prostacyclin effect. Tanfin Z, et al. **Mol Pharmacol** 1987 Aug;32(1):249–57

Participation of prostaglandins E2 and F2 alpha in the action of fibrinopeptides A and B on the central dopaminergic system. Swiderska D, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):29–39

Lymphocyte adherence in multiple sclerosis: role of the cytoskeleton and prostaglandin E. Dore–Duffy P, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):277–87

[Experimental study on the developmental mechanism of stress ulcer—especially on changes in PGE2] Hayasi T, et al. **Nippon Geka Gakkai Zasshi** 1986 Nov;87(11):1414–21 (Eng. Abstr.) **(Jpn)**

[Prostaglandins in rat gastric mucosa (12th report)—effect of endogenous prostaglandins on gastric acid secretion] Fukuda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):181–6 (Eng. Abstr.) **(Jpn)**

[Investigation of endogenous prostaglandins in 1,2–dimethyl–hydrazine induced colonic cancer in rats—inhibition of proliferation in colonic cancer with indomethacin treatment] Koike M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1135–42 (Eng. Abstr.) **(Jpn)**

SECRETION

Human alveolar macrophages suppress interleukin–1 (IL–1) activity via the secretion of prostaglandin E2. Monick M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):72–7

Isolation of follicular dendritic cells from human tonsils and adenoids. VI. Analysis of prostaglandin secretion. Heinen E, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec; 137D(3):369–82

The lack of PDGE–stimulated PGE2 release from ras–transformed NIH–3T3 cells results from reduced phospholipase C but not phospholipase A2 activity. Benjamin CW, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1254–9

Prostaglandin E2, prostaglandin E1 and thromboxane B2 release from human monocytes treated with C3b or bacterial lipopolysaccharide. Nichols FC, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):149–57

A study of the effects of catabolin on cyclic adenosine monophosphate biosynthesis and prostaglandin E2 secretion in pig articular chondrocytes. Carroll GJ. **Br J Rheumatol** 1986 Nov;25(4):359–65

LPS–stimulated release of prostaglandin E and thromboxane B2 from the U937 cell line. Schenkein HA. **Cell Immunol** 1986 Oct 15;102(2):307–14

Enhanced prostaglandin E2 and thromboxane B2 release from resident peritoneal macrophages isolated from morphine–dependent rats. Elliott GR, et al. **FEBS Lett** 1987 Jun 8;217(1):6–10

Effect of the late complement components C5b–9 on human monocytes: release of prostanoids, oxygen radicals and of a factor inducing cell proliferation. Hänsch GM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):317–20

Interferon–gamma potentiation of lipopolysaccharide–induced eicosanoid release from human monocytes. Nichols FC, et al. **J Interferon Res** 1987 Feb; 7(1):121–9

Renal autoregulation and prostaglandin E2 release. Hemodynamic conditions for PGE2 and renin release. Vikse A. **J Oslo City Hosp** 1986 Apr;36(4):33–46 (67 ref.)

Lactoferrin inhibits prostaglandin E2 secretion by breast milk macrophages. Bartal L, et al. **Pediatr Res** 1987 Jan; 21(1):54–7

Role of prostaglandins in calcium–induced corticosteroid secretion by isolated frog interrenal gland. Lihrmann I, et al. **Prostaglandins** 1986 Jul;32(1):127–31

Effect of ionizing radiation on prostaglandins and gastric secretion in rhesus monkeys. Dubois A, et al. **Radiat Res** 1987 May;110(2):289–93

Carbamylcholine, but not somatostatin or neurotensin, stimulates prostaglandin E2 release from the isolated perfused rat stomach. Mogard MH, et al. **Regul Pept** 1986 Aug;15(1):71–6

THERAPEUTIC USE

Vasodilator prostaglandins (PG) prevent renal damage after ischemia. Kaufman RP Jr, et al. **Ann Surg** 1987 Feb; 205(2):195–8

Pharmacological manipulation of the ductus arteriosus. Silove ED. **Arch Dis Child** 1986 Sep;61(9):827–9

Double–blind crossover trial of prostaglandin E2 in postgastrectomy reflux gastritis. Nicolai JJ, et al. **Dig Dis Sci** 1986 Dec;31(12):1281–6

Changes in the plasma prostaglandin F2 alpha metabolite before and during spontaneous labor and labor induced by amniotomy, oxytocin and prostaglandin E2. Nagata I, et al. **Endocrinol Jpn** 1987 Apr;34(2):153–9

Prostaglandin E2 administration in infants with ductus–dependent cyanotic congenital heart disease. Thanopoulos BD, et al. **Eur J Pediatr** 1987 May;

146(3):279–82
Absence of maternal side effects from prostaglandins used for cervical ripening. Goodlin RC, et al. **J Reprod Med** 1986 Dec;31(12):1095–7
Rioprostil prevents gastric bleeding induced by nonsteroidal antiinflammatory drugs in dogs and arthritic rats. Katz LB, et al. **J Rheumatol** 1986 Oct;13(5):887–94
Effects of antimuscarinic agents and prostaglandin E2 on the gastric mucosal lesions induced by necrotizing agents and water–immersion stress in rats. Kitagawa H, et al. **Jpn J Pharmacol** 1986 Jul;41(3):409–14
Prostaglandins for peptic ulcer [letter] Foschi D, et al. **Lancet** 1987 Feb 7;1(8528):333–4
Rioprostil and duodenal ulcer [letter] Howden CW. **Lancet** 1986 Sep 20;2(8508):686
Clinical evaluation of endocervical prostaglandin E2–triacetin–gel for preinduction cervical softening in pregnant women at term. Kieback DG, et al. **Prostaglandins** 1986 Jul;32(1):81–5
Clinical and haemorheological efficacy of i.a. PGE1 infusions in intermittent claudication. Blume J, et al. **Vasa [Suppl]** 1987;17:32–5
PGE1 in arterial occlusive disease stage III and IV. Bruch HP, et al. **Vasa [Suppl]** 1987;17:26–31
Resction of transcutaneous PO2 and laser Doppler flow signal on intraarterial infusion of PGE1 and nucleotide phosphates in patients with peripheral arterial occlusive disease. Caspary L, et al. **Vasa [Suppl]** 1987;17:17–22
Intermittent intra–arterial prostaglandin E1 therapy of severe claudication. Creutzig A, et al. **Vasa [Suppl]** 1987;17:44–6
Clinical effects of intravenously administered prostaglandin E1 in patients with rest pain due to peripheral obliterative arterial disease (POAD)—a preliminary report on a placebo–controlled double–blind study. Diehm C, et al. **Vasa [Suppl]** 1987;17:52–6
Prostaglandin E1 as an adjuvant therapy in the event of femoropopliteal and crural great saphenous vein in situ bypass surgery. Fietze–Fischer B, et al. **Vasa [Suppl]** 1987; 17:23–5
Intra–arterial perfusion with prostaglandin E1 in patients with intermittent claudication. Rudofsky G, et al. **Vasa [Suppl]** 1987;17:47–51
Influence of prostaglandin E1 on in–vivo accumulation of radiolabeled platelets and LDL on human arteries. Sinzinger H, et al. **Vasa [Suppl]** 1987;17:5–10
Prostaglandin E1 in chronic arterial disease—a multicenter study. Trübestein G, et al. **Vasa [Suppl]** 1987;17:39–43
Treatment of peripheral arterial occlusive disease in stage IIb with intermittent short–term infusion of prostaglandin E1. Zanke BW, et al. **Vasa [Suppl]** 1987;17:36–8
[Prostaglandins in the care of the neonate with heart defects] Samánek M, et al. **Cesk Pediatr** 1987 Feb;42(2):71–6 (Eng. Abstr.) (Cze)
[Use of prostaglandin E1 ovules in the therapeutic interruption of pregnancy in the 2d and 3d trimesters. Apropos of 46 cases] Monnier JC, et al. **Rev Fr Gynecol Obstet** 1987 Mar;82(3):195–8 (Eng. Abstr.) (Fre)
[Cervix ripening using drugs before oxytocin labor induction. Clinical study of a new prostaglandin E2 triacetin gel] Zahradnik HP, et al. **Geburtshilfe Frauenheilkd** 1987 Mar; 47(3):190–2 (Eng. Abstr.) (Ger)
[Platelet aggregation in severe and malignant forms of hypertension: effect of treatment with prostaglandin E2] Gabbasov ZA, et al. **Kardiologiia** 1987 Feb;27(2):37–41 (Eng. Abstr.) (Rus)
[Use of prostenon in the treatment of severe and malignant forms of hypertension] Runikhin AIu, et al. **Kardiologiia** 1986 Dec;26(12):76–81 (Eng. Abstr.) (Rus)
[Prostaglandins in newborn infants with severe cardiopathy] Cabrera A, et al. **An Esp Pediatr** 1987 Apr;26(4):246–50 (Eng. Abstr.) (Spa)

URINE

Prostaglandin excretion in pseudohypoaldosteronism type I. Werder EA, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:381–5
Urinary prostaglandin E2 excretion, sodium retention, and diuretic responsiveness in patients with chronic liver disease. Rector WG Jr. **Am J Gastroenterol** 1987 Apr; 82(4):347–51
Identification of the major urinary metabolite of prostaglandin E3 in the rat. Diczfalusy U, et al. **Biochim Biophys Acta** 1986 Oct 3;878(3):387–93
Determination of prostaglandin E2, prostaglandin F2 alpha and 6–oxo–prostaglandin F1 alpha in urine by gas chromatography/mass spectrometry and gas chromatography/tandem mass spectrometry: a comparison. Schweer H, et al. **Biomed Environ Mass Spectrom** 1986 Nov;13(11):611–9
The effect of sodium intake on rabbit renal prostaglandin E2 and thromboxane A2: dissociation from the renin–angiotensin system. Attallah AA. **Clin Sci** 1987 May; 72(5):605–9
Renal excretion of prostaglandin E2 and plasma renin activity in type I diabetes mellitus: relationship to normoglycemia achieved with artificial pancreas. Esmatjes E, et al. **Diabetes Care** 1987 Jul–Aug;10(4):428–31
The effect of propranolol on urinary prostaglandin E2 after frusemide administration in healthy subjects. Fujimura A, et al. **Eur J Clin Pharmacol** 1987;31(5):605–7
Effect of dexamethasone on rabbit renal prostaglandin E2 excretion: dependence on urinary flow. Attallah A. **Eur J Pharmacol** 1987 May 7;137(1):139–41
Captopril reduces renal excretion of prostaglandin E2 in the sodium–depleted rabbit. Attallah AA. **Eur J Pharmacol** 1987 Feb 24;134(3):361–3
Lack of effect of verapamil on urinary prostaglandin E2 excretion in the rabbit. Attallah AA. **Eur J Pharmacol** 1986 Dec 2;132(1):57–9
Urinary excretion of cyclic nucleotides, creatinine prostaglandin E2 and thromboxane B2 from mice exposed to whole–body irradiation from an enhanced neutron field. Steel LK, et al. **Int J Radiat Biol** 1986 Oct;50(4):695–715
The role of renal prostaglandin E as a possible modulator of cyclic AMP production in nephrotic syndrome. Túri S, et al. **Int Urol Nephrol** 1986;18(3):321–5
Hypotensive and natriuretic effects of nifedipine in essential hypertension. Role of renal kallikrein–kinin–prostaglandin and renin–angiotensin–aldosterone systems. Tsunoda K, et al. **J Clin Hypertens** 1986 Sep;2(3):263–70
Urinary excretion and renal production of prostaglandins E2, F2 alpha, and thromboxane B2 in experimental diabetes mellitus. Bunke M, et al. **J Lab Clin Med** 1986 Oct; 108(4):332–9
Plasma phospholipid fatty acids and urinary excretion of prostaglandins PGE1 and PGE2 in infants during total parenteral nutrition, with continuous or sequential administration of fat emulsion. Ghisolfi J, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):631–4
Role of renal prostaglandin E2 in two–kidney, one–clip renovascular hypertension in rabbits. Yoshida M, et al. **Nephron** 1986;44(2):142–9
Effect of acetylsalicylic acid on urinary excretion of prostaglandin E in stroke patients. Lee TK, et al. **Prostaglandins** 1986 Dec;32(6):847–55
Different excretion pattern of urinary PGE2 and 6–keto–PGF1 alpha in two kidney–one clip Goldblatt rats. Labera V, et al. **Prostaglandins Leukotrienes Med** 1986 Sep; 24(1):35–41
Dissociation and diurnal variation of prostaglandin E2 6–keto–prostaglandin–F1–alpha, and thromboxane B2 excretion in healthy females. Rubin PD, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):105–17
[Plasma and urinary prostaglandins in patients with urogenital cancer] Tsuruta K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1478–84 (Eng. Abstr.) (Jpn)
[Urinary PGE2 levels in toxemia of pregnancy] Tanaka M. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep; 38(9):1527–34 (Eng. Abstr.) (Jpn)

PROSTAGLANDINS E, SYNTHETIC

Termination of normal and pathological pregnancy with Sulprostone. Fischer Z, et al. **Acta Chir Hung** 1986; 27(3):151–6
Plasma renin activity and cAMP in termination of pregnancy induced by sulprostone. Saarikoski S, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):328–32
Intravenous 16–phenoxy PGE2 methylsulfonylamide for induction of labor in cases of fetal death. Gulisano AS, et al. **Clin Exp Obstet Gynecol** 1987;14(2):103–5
Cervical dilation before first–trimester elective abortion: a controlled comparison of meteneprost, laminaria, and hypan. Darney PD, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):397–400
[Termination of pregnancy and evacuation of the uterine contents in the second trimester. Use of a prostaglandin E2 analog: sulprostone] Barrat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(1):93–9 (Eng. Abstr.) (Fre)
[Morphologic and biochemical aspects of prostaglandin–induced cervix ripening] Rath W, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb;191(1):21–8 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Use of different prostaglandin analogues for terminating pregnancy at different terms. Manuilova IA. **Acta Med Hung** 1986;43(2):133–8
Synergistic interaction between an H2–receptor antagonist and enprostil on 24–hour intragastric pH, serum gastrin concentration, and tissue immunoperoxidase staining for gastrin, somatostatin, and serotonin in a patient with metastatic gastrinoma. Sherbaniuk R, et al. **Clin Ther** 1986; 8(6):667–88
Cytoprotective dose of prostaglandins [letter] Wilson DE. **Gastroenterology** 1987 Aug;93(2):434
Enprostil and cimetidine: comparative efficacy and safety in patients with duodenal ulcer. Carling L, et al. **Scand J Gastroenterol** 1987 Apr;22(3):325–31
[Facilitating cervix dilatation of the non–pregnant uterus by intracervical administration of gels containing prostaglandin and calcium chloride] Rath W, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):49–53 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Uterine hyperstimulation resulting from intravaginal prostaglandin E2. A case report. Chamberlin RO, et al. **J Reprod Med** 1987 Mar;32(3):233–5

ANALYSIS

Evaluation of the 190H analogues of prostaglandins E1, E2, F1 alpha and F2 alpha as specific markers for the identification of human semen in body fluid mixtures. Sutton JG, et al. **Forensic Sci Int** 1987 Feb;33(2):103–16
Reactivity of enprostil stereoisomers in soft elastic gelatin capsules. Kenley RA, et al. **J Pharm Sci** 1986 Sep; 75(9):842–6
Multidimensional column–switching liquid chromatographic method for dissolution testing of enprostil soft elastic gelatin capsules. Kenley RA, et al. **J Pharm Sci** 1986 Oct; 75(10):999–1002

BLOOD

Prostaglandin metabolism and intraocular pressure. Naveh–Floman N, et al. **Br J Ophthalmol** 1987 Apr; 71(4):254–6
Plasma levels of the prodrug, arbaprostil, [(15R)–15–methylprostaglandin E2], and its active, antiulcer (15S) epimer in humans after single dose oral administration. Cox JW, et al. **J Pharm Sci** 1986 Nov; 75(11):1107–12
Pharmacokinetics and antisecretory activity of trimoprostil in Heidenhain–pouch dogs. Wills RJ, et al. **J Pharmacol Exp Ther** 1987 May;241(2):433–7

CHEMICAL SYNTHESIS

Synthesis and gastrointestinal pharmacology of a 3E,5Z diene analogue of misoprostol. Collins PW, et al. **J Med Chem** 1987 Jan;30(1):193–7
Structure–activity studies of 16–methoxy–16–methyl prostaglandins. Guzzi U, et al. **J Med Chem** 1986 Oct; 29(10):1826–32

METABOLISM

Gastric mucosal binding studies with enprostil: a potent anti–ulcer prostaglandin. Woo SK, et al. **Prostaglandins** 1986 Aug;32(2):243–57

PHARMACODYNAMICS

The streptozotocin–prostaglandin interaction in Golgi apparatus of rat liver. Kordowiak AM. **Acta Biochim Pol** 1986;33(4):253–8
Expression of prostaglandin protective functions in gastric mucosa cells cultured in the presence of ethanol: effects on the synthesis, retention, secretion, and structure of mucus glycoprotein. Slomiany A, et al. **Alcoholism (NY)** 1987 Aug;11(4):357–67
Effects of acute administration of a prostaglandin E2 analog, trimoprostil, on esophageal motility in man. Schwartz GJ, et al. **Am J Gastroenterol** 1987 Sep;82(9):836–9
N–acetyl–cysteine and prostaglandin. Comparable protection against experimental ethanol injury in the stomach independent of mucus thickness. Henagan JM, et al. **Ann Surg** 1986 Dec;204(6):698–704
Collagen degradation in the pregnant human cervix at term and after prostaglandin–induced cervical ripening. Rath W, et al. **Arch Gynecol** 1987;240(3):177–84
Failure of prostaglandin E2 and its 16,16–dimethyl analogue to prevent the gastric mucosal damage induced by Paf. Steel G, et al. **Br J Pharmacol** 1987 Feb;90(2):365–71
Effect of in vivo administration of prostaglandins and interferon on natural killer activity and on B–16 melanoma growth in mice. Garaci E, et al. **Cell Immunol** 1987 Apr 15;106(1):43–52
Sulprostone (Nalador) versus gemeprost (Cervagem) for cervical priming in the termination of pregnancy during the first trimester. Heinzl S, et al. **Contraception** 1987 Mar; 35(3):271–82
Trimoprostil decreases acid disappearance from the human stomach. Penston JG, et al. **Curr Med Res Opin** 1986; 10(5):308–12
Effect of 15(R),15–methyl prostaglandin E2 and indomethacin on pancreatic secretion in man. Saad C, et al. **Dig Dis Sci** 1987 May;32(5):487–93
Cell proliferation of the rat gastrointestinal mucosa after treatment with E2 prostaglandins and indomethacin. Uribe A, et al. **Digestion** 1987;36(4):238–45
Augmentation of mucosal adaptation following massive small–bowel resection by 16,16–dimethyl–prostaglandin E2 in the rat. Vanderhoof JA, et al. **Digestion** 1987;36(4):213–9
Effects of trimoprostil, a prostaglandin E2 analogue, on human gastric acid secretion and soluble mucin output. Lee SP, et al. **Eur J Clin Invest** 1987 Feb;17(1):1–6
Effects of FCE20700, a new PGE2 derivative, on gastric acid secretion and cytoprotective processes in man. Caldara R, et al. **Eur J Clin Pharmacol** 1987;31(5):535–9
Effect of 11R, 16, 16–trimethyl prostaglandin E2 on meal–stimulated gastric acid secretion in duodenal ulcer subjects. Lenz HJ, et al. **Eur J Clin Pharmacol** 1986; 31(3):281–4
Early microcirculatory stasis in acute gastric mucosal injury in the rat and prevention by 16,16–dimethyl prostaglandin E2 or sodium thiosulfate. Pihan G, et al. **Gastroenterology** 1986 Dec;91(6):1415–26
Effect of 16,16–dimethyl prostaglandin E2 on oxygen uptake and microcirculation in the perfused rat liver. Meren H, et al. **Hepatology** 1986 Sep–Oct;6(5):917–21
Radiation–induced DNA single–strand breaks in the intestinal mucosal cells of mice treated with the radioprotectors

WR-2721 or 16-16 dimethyl prostaglandin E2. Hanson WR, et al. **Int J Radiat Biol** 1987 Jul;52(1):67-76

16, 16 Dimethyl prostaglandin E2 prevents the development of fulminant hepatitis and blocks the induction of monocyte/macrophage procoagulant activity after murine hepatitis virus strain 3 infection. Abecassis M, et al. **J Clin Invest** 1987 Sep;80(3):881-9

Mechanism of action of a new prostaglandin antihypertensive, viprostol [CL 115 347; (dl)-15-deoxy-16-hydroxy-16(alpha/beta)-vinyl-prostaglandin E2 methyl ester]: (I). Vasodilation. Chan PS, et al. **J Hypertens** 1986 Dec;4(6):741-7

Mechanism of action of a new prostaglandin antihypertensive, viprostol [CL 115 347; (dl)-15-deoxy-16-hydroxy-16(alpha/beta)-vinyl-prostaglandin E2 methyl ester]: (II). Effects on the adrenergic nervous system. Chan PS, et al. **J Hypertens** 1986 Dec;4(6):749-57

Gastric antisecretory and antiulcer properties of enprostil, (+/-)-11 alpha, 15 alpha-dihydroxy-16-phenoxy-17,18,19,20-tetranor-9-oxoprosta-4,5,13(t)-trienoic acid methyl ester. Roszkowski AP, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):382-9

Effect of 16,16-dimethyl prostaglandin E2 on the myoelectric activity of the gastrointestinal tract of the opossum. Coelho JC, et al. **J Physiol (Lond)** 1986 Aug;377:421-7

Effects of ethanol and prostaglandin on rat gastric mucosal tight junctions. Schmidt KL, et al. **J Surg Res** 1987 Sep; 43(3):253-63

Influence of prostaglandin on repair of rat stomach damaged by absolute ethanol. Schmidt KL, et al. **J Surg Res** 1986 Oct;41(4):367-77

Effect of flurbiprofen and 16,16-dimethyl-prostaglandin E2 on gastrointestinal tumorigenesis induced by N-methyl-N'-nitro-N-nitrosoguanidine in rats. I. Squamous epithelium and mesenchymal tissue. Lehnert T, et al. **JNCI** 1987 May;78(5):923-9

16,16-Dimethyl prostaglandin E2 protects gastric mucosal surface epithelial cells from indomethacin-induced damage in rats. Ohno T, et al. **Jpn J Pharmacol** 1987 Feb; 43(2):213-20

Effects of 16,16-dimethyl prostaglandin E2 on surface epithelial cell damage in the rat stomach induced by vagal nerve stimulation. Ohno T, et al. **Jpn J Pharmacol** 1987 Apr;43(4):429-39

Cytoprotective effect of 16,16' dimethyl prostaglandin E2 (dm PGE2) on streptozotocin-induced biochemical alterations of Golgi-rich membrane fraction in comparison with morphology of rat liver Golgi apparatus in situ. Kordowiak AM. **Pathol Res Pract** 1986 Aug; 181(4):397-401

Synthesis and gastric antisecretory properties of allenic 16-phenoxy-omega-tetranor prostaglandin E analogs. Carpio H, et al. **Prostaglandins** 1987 Feb;33(2):169-80

Antilipolytic activity of viprostol, a transdermally active antihypertensive PGE2 analog. Crandall DL, et al. **Prostaglandins** 1987 May;33(5):767-73

Evaluation of meteneprost potassium (a PGE2 analogue) for cervical dilation and side effects in nonpregnant women. Eder SE, et al. **Prostaglandins** 1986 Jul;32(1):19-23

Stimulation of HCO3- secretion by the prostaglandin E2 analog enprostil: studies in human stomach and rat duodenum. Heylings JR, et al. **Prostaglandins** 1986 Dec; 32(6):907-17

Effect upon the human myometrium during early pregnancy of prostaglandin E2 and its analogue 16-phenoxy-omega-17,18,19,20-tetranor-PGE2 methyl sulfonylamide. Rydnert J. **Prostaglandins** 1986 Jul; 32(1):57-61

Prostaglandin effect on the physical properties of gastric mucus glycoprotein and its susceptibility to pepsin. Sarosiek J, et al. **Prostaglandins** 1986 Nov;32(5):635-46

Fluorometric documentation of increased cutaneous blood flow after topical application of a PGE2 analog in man. Silverman DG, et al. **Prostaglandins** 1987 May;33(5):627-38

Sex differences in gastric mucosal protection after 16, 16-dimethyl PGE2 and lithium chloride. Wong RK, et al. **Prostaglandins** 1986 Oct;32(4):555-61

Effect of 16,16-dimethyl prostaglandin E2 on mucus glycoprotein biosynthesis in rat stomach and duodenal glands. Jentjens T, et al. **Prostaglandins Leukotrienes Med** 1987 Apr;27(1):1-8

Specificity of PGE2 analogs interaction between food intake and antisecretory effect. Levine RA, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2-3):219-25

Gastric antisecretory, gastric and duodenal anti-ulcer and cytoprotective properties of Ro 22-6923, a synthetic trimethyl prostanoid in rats. Parmar NS, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2-3):255-67

The influence of a new prostaglandin E2 analogue (FCE 20700) on gastric acid and pepsin secretion in the dog. Soldani G, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):11-20

Radiation protection of murine intestine by WR-2721, 16,16-dimethyl prostaglandin E2, and the combination of both agents. Hanson WR. **Radiat Res** 1987 Aug; 111(2):361-73

16,16-Dimethyl prostaglandin E2 increases survival in mice following irradiation. Walden TL Jr, et al. **Radiat Res** 1987 Mar;109(3):440-8

Gastric blood flow in ethanol injury and prostaglandin cytoprotection. Guth PH. **Scand J Gastroenterol [Suppl]** 1986;125:86-91

Prostaglandin protection of the human gastric mucosa against alcohol-induced injury. Endoscopic, histologic, and functional assessment. Tarnawski A, et al. **Scand J Gastroenterol [Suppl]** 1986;125:165-9

Assessment of the actions of prostanoids in the protection and repair of the gastric mucosa. Whittle BJ, et al. **Scand J Gastroenterol [Suppl]** 1986;125:128-35

[Effect of FCE 20,700, an effective oral prostaglandin E2 analog on the human gastric mucosa epithelium] Müller P, et al. **Z Gastroenterol** 1986 Oct;24(10):612-7 (Eng. Abstr.) **(Ger)**

[Effect of prostaglandins on the contractile activity of isolated human myometrium] Tsirkin VI, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):54-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Sulprostone in the control of postpartum haemorrhage. Laajoki VI, et al. **Acta Chir Hung** 1986;27(3):165-8

Study of 16,16'-dimethyl-trans-delta 2 prostaglandin E1 methyl ester vaginal suppository for cervical dilatation in premenopausal and postmenopausal women. Rabe T, et al. **Adv Contracept** 1985 Mar;1(1):91-102

Enprostil and ranitidine in prevention of duodenal ulcer relapse: one year double blind comparative trial. Lauritsen K, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):932-4

Evidence for a direct renal stimulating effect of prostaglandin E2 on renin release in patients with congestive heart failure. Olivari MT, et al. **Circulation** 1986 Dec;74(6):1203-7

Enprostil reduces G-cell hyperplasia and hypergastrinemia in duodenal ulcer. Jewell LD, et al. **Clin Ther** 1987; 9(3):281-95

Cytoprotective doses of arbacet with minimal antisecretory properties are not effective in duodenal ulcer healing. Wengrower D, et al. **Dig Dis Sci** 1987 Aug;32(8):857-60

A prostaglandin analogue (ONO-802) in treatment of missed abortion, intrauterine fetal death and hydatiform mole: a dose-finding trial. Garcea N, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May;25(1):15-22

Prostaglandin E2 administration in infants with ductus-dependent cyanotic congenital heart disease. Thanopoulos BD, et al. **Eur J Pediatr** 1987 May; 146(3):279-82

Failure of a cytoprotective dose of arbaprostil to heal acute duodenal ulcers. Results of a multiclinic trial. Euler AR, et al. **Gastroenterology** 1987 Mar;92(3):604-7

Effect of enprostil, a synthetic prostaglandin E2 on 24 hour intragastric acidity, nocturnal acid and pepsin secretion. Deakin M, et al. **Gut** 1986 Sep;27(9):1054-7

Gastrocytoprotection by colloidal bismuth subcitrate (De-Nol) and sucralfate. Role of endogenous prostaglandins. Konturek SJ, et al. **Gut** 1987 Feb; 28(2):201-5

Prostaglandin-induced mid-pregnancy abortion increases plasma and amniotic fluid levels of beta-lipotropin and beta-endorphin. Genazzani AR, et al. **Gynecol Obstet Invest** 1987;24(1):23-7

Effects of trimoprostil on healing and recurrence of acetic acid-induced gastric ulcer in rats. Umeda Y, et al. **Jpn J Pharmacol** 1986 Dec;42(4):457-63

Prostaglandins for peptic ulcer: a promise unfulfilled. Hawkey CJ, et al. **Lancet** 1986 Nov 8;2(8515):1084-7

Prostaglandin E2 and I2 treatment of acute experimental pancreatitis in rats. Olazábal A. **Pancreas** 1986;1(6):529-35

Studies on the mechanism of the protective action of 16,16-dimethylPGE2 in carbon tetrachloride induced acute hepatic injury in the rat. Rush B, et al. **Prostaglandins** 1986 Sep;32(3):439-55

[Gastroduodenal ulcer pathology and prostaglandins] Bellanger J, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 May;23(3):129-34 (98 ref.) **(Fre)**

[New prostaglandin derivatives--progress in ulcer therapy?] Schepp W. **Fortschr Med** 1986 Dec 9;104 Suppl 3:913-7 (Eng. Abstr.) **(Ger)**

[Cervix ripening using drugs before oxytocin labor induction. Clinical study of a new prostaglandin E2 triacetin gel] Zahradnik HP, et al. **Geburtshilfe Frauenheilkd** 1987 Mar; 47(3):190-2 (Eng. Abstr.) **(Ger)**

[Role of prostanoids in the pathogenesis and therapy of peptic ulcer] Fich A, et al. **Harefuah** 1986 Nov 16;111(10):292-5 (Eng. Abstr.) **(Heb)**

[Experimental study on efficacy of cimetidine and 16,16-dm PGE2 to liver regeneration in prevention of stress ulcer after partial hepatectomy in the cirrhotic rat] Matsui S, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1303-12 (Eng. Abstr.) **(Jpn)**

[Experience in using the preparation nalador for terminating pregnancy in the 2d trimester] Chernaia VV, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):50-2 (Eng. Abstr.) **(Rus)**

[Enprostil versus cimetidine in the treatment of benign gastric ulcer] Segovia E, et al. **Rev Gastroenterol Mex** 1987 Apr-Jun;52(2):99-102 (Eng. Abstr.) **(Spa)**

[Comparative study of enprostil versus cimetidine in patients with duodenal ulcer during 6 weeks of treatment] Villalobos Pérez JJ, et al. **Rev Gastroenterol Mex** 1987 Apr-Jun;52(2):95-8 (Eng. Abstr.) **(Spa)**

PROSTAGLANDINS F

Vaginal PGE2 and intraamniotic PGF2 alpha for the termination of second trimester pregnancy. Farmakides G, et al. **Acta Chir Hung** 1986;27(3):137-42

Experiences with a new priming score for estimation of efficiency of PGF2 alpha-gel for cervical maturation in first trimester induced abortion. Göretzlehner G, et al. **Acta Chir Hung** 1986;27(3):131-6

Extraamniotic prostaglandin F2 alpha for intrauterine death and fetal abnormality. Luengo J, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(5):325-9

Use of prostaglandin, hypertonic saline and oxytocin for second-trimester abortion. Muzsnai D, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec;9(6):385-9

Induction of labour and termination of pregnancy following intrauterine death with enzaprost. Szabó E, et al. **Ther Hung** 1984;32(4):158-65

[Results of 4 years' use of oxytocin and prostaglandins F2 alpha for ripening with postterm indications after the 41st week of amenorrhea] Reich YC, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):525-8 (Eng. Abstr.) **(Fre)**

[Priming and medical abortion induction by PGF2 alpha] Kröner M, et al. **Zentralbl Gynakol** 1986;108(16):995-1002 (Eng. Abstr.) **(Ger)**

[Use of a gel of PGF2 alpha for the induction of labor in cases of intrauterine fetal death in the second or third trimester of pregnancy (preliminary study)] Zanini A, et al. **Ann Ostet Ginecol Med Perinat** 1986 Nov-Dec; 107(6):317-22 (Eng. Abstr.) **(Ita)**

[Correlation of the stages of pregnancy and the dynamics of labor induced with prostaglandin F2 alpha] Lembrych S, et al. **Ginekol Pol** 1986 Aug;57(8):549-53 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Prostaglandin gel for cervical ripening before induction of labour. Halle H. **Acta Chir Hung** 1987;28(1):31-4

Two different methods of prostaglandin administration for cervix priming before interruption of the first trimester pregnancy. Veszprémi B, et al. **Acta Chir Hung** 1987; 28(1):27-30

Is priming an unripe cervix with PGF2 alpha effective? Wilken H. **Acta Chir Hung** 1986;27(3):127-30

Oxytocin- or low-dose prostaglandin F2 alpha-infusion for stimulation of labor after primary rupture of membranes. A prospective, randomized trial. Møller M, et al. **Acta Obstet Gynecol Scand** 1987;66(2):103-6

Prostaglandin (F2 alpha) in missed abortion. Intravenous, extra-amniotic and intramuscular administration--a randomized study. Thavarasah AS, et al. **Biol Res Pregnancy Perinatol** 1986;7(3):106-10

Intravesical prostaglandin F2 for promoting bladder emptying after surgery for female stress incontinence. Tammela T, et al. **Br J Urol** 1987 Jul;60(1):43-6

Intermittent low-dose administration of prostaglandins intraamniotically in pathological pregnancies. A comparison with oxytocin and ergometrine. de Koning Gans HJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1975; 5(6):307-15

Elective induction of labor conducted under lumbar epidural block. II. Labor induction by amniotomy and intravenous prostaglandin. Thiery M, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(3):181-200

Continuous extraovular prostaglandin F2 alpha instillation for late pregnancy termination in patients with previous cesarean section delivery. Atad J, et al. **Int J Gynaecol Obstet** 1986 Aug;24(4):315-9

Multiple dosing of prostaglandin F2 alpha or epinephrine on cynomolgus monkey eyes. I. Aqueous humor dynamics. Camras CB, et al. **Invest Ophthalmol Vis Sci** 1987 Mar; 28(3):463-9

Local prostaglandin F2 alpha injection for termination of ectopic pregnancy. Lindblom B, et al. **Lancet** 1987 Apr 4;1(8536):776-7

[Terminating pregnancy in the 2d trimester by intra-amniotic administration of prostaglandins] Křelnicka J, et al. **Cesk Gynekol** 1986 Sep;51(8):625-6 **(Cze)**

ANALYSIS

Mass spectrometry of prostaglandins, leukotrienes and steroids as their allyldimethylsilyl ether derivatives. Steffenrud S, et al. **Biomed Environ Mass Spectrom** 1986 Dec;13(12):657-61

Prostaglandin F2 alpha level in radicular cyst fluid. Petrovic V. **Bull Group Int Rech Sci Stomatol Odontol** 1986 Mar-Jun;29(1-2):25-30

PGE2 and PGF2 alpha content in bronchoalveolar lavage fluid obtained from patients with eosinophilic pneumonia. Ogushi F, et al. **Chest** 1987 Feb;91(2):204-6

The application of a simple RIA technique for the detection of 19-OH F1 alpha/F2 alpha prostaglandin, a specific semen marker, in semen contaminated vaginal swabs: time since intercourse studies. Sutton JG, et al. **Forensic Sci Int** 1987 May-Jun;34(1-2):143-53

Diethylhydrogensilyl-cyclic diethylsilylene derivatives in gas chromatography-mass spectrometry of prostanoids. III. F alpha-prostaglandins and thromboxane B2 derivatives. Ishibashi M, et al. **J Chromatogr** 1987 Mar 27;391(1):183-97

Pre partum milk fat secretion and concentrations of progestins, prostaglandin F2 alpha and oestrone sulphate in mammary fluid of the goat. Thompson GE, et al. **J Dairy Res** 1987 May;54(2):193-7

Determination of 9 alpha, 11 beta-prostaglandin F2 by stereospecific antibody in various rat tissues. Hayashi H, et al. **Prostaglandins** 1987 Apr;33(4):517–30

Milk prostaglandins and electrical conductivity in bovine mastitis. Atroshi F, et al. **Vet Res Commun** 1987;11(1):15–22

[The development of enzyme immunoassay for prostaglandin F2 alpha] Kakizoe H, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1987 Feb;39(2):226–32 (Eng. Abstr.) **(Jpn)**

[Quantitative changes in prostaglandin F2 alpha for establishing the intravital nature and time of cutting wounds to the skin] Lazarov IK, et al.
Sud Med Ekspert 1987 Jan–Mar;30(1):22–5 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Pilocarpine antagonizes prostaglandin F2 alpha–induced ocular hypotension in monkeys. Evidence for enhancement of Uveoscleral outflow by prostaglandin F2 alpha. Crawford K, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1112–6

Inhibition of constriction of cerebral arterioles in vivo by naftidrofuryl. Action against serotonin and dinoprost. Rosenblum WI. **Arzneimittelforschung** 1987 May; 37(5):495–7

Sensitivity of the PGF2 alpha–versus carbachol–contracted trachea to relaxation by salbutamol, forskolin and prenalterol. Heaslip RJ, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):73–9

BIOSYNTHESIS

Prostaglandin F2 alpha and prostacyclin imbalance in cows with placental retention: new findings. Horta AE, et al. **Ann Rech Vet** 1986;17(4):395–400

Increased production of arachidonate metabolites by peritoneal cells of mice infected with Plasmodium vinckei vinckei. Clark IA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):415–8

Metabolism of prostaglandin D2 in isolated rat lung: the stereospecific formation of 9 alpha,11 beta–prostaglandin F2 from prostaglandin D2. Hayashi H, et al.
Biochim Biophys Acta 1987 Feb 23;917(3):356–64

Involvement of lipoxygenase products of arachidonic acid metabolism in bovine luteal function. Milvae RA, et al. **Biol Reprod** 1986 Dec;35(5):1210–5

Interactive roles of progesterone, prostaglandins, and collagenase in the ovulatory mechanism of the ewe. Murdoch WJ, et al. **Biol Reprod** 1986 Dec;35(5):1187–94

Evidence against the formation of 13,14–dihydro–15–keto–prostaglandin F2 alpha following inhalation of prostaglandin D2 in man. Hardy CC, et al. **Br J Pharmacol** 1986 Mar;87(3):563–8

Time course for prostaglandin synthesis by rabbit lens during endotoxin–induced ocular inflammation. Fleisher LN, et al. **Curr Eye Res** 1986 Sep;5(9):629–34

Differential effects of estradiol, arachidonic acid, and A23187 on prostaglandin F2 alpha output by epithelial and stromal cells of human endometrium. Schatz F, et al.
Endocrinology 1987 Apr;120(4):1465–71

Classification of endometriotic implants by morphologic appearance and capacity to synthesize prostaglandin F. Vernon MW, et al. **Fertil Steril** 1986 Nov;46(5):801–6

Effects of topical treatment with piroxicam on prostaglandin synthesis in experimental uveitis. De Bernardi M, et al. **Int J Tissue React** 1987;9(4):361–4

Renal prostaglandin E2 and F2 alpha synthesis during exercise: effects of indomethacin and sulindac. Zambraski EJ, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):678–84

Effects of droxicam on in vivo prostaglandin synthesis and ex vivo platelet aggregation. Esteve J, et al.
Methods Find Exp Clin Pharmacol 1987 Apr;9(4):209–13

Activation of protein kinase C is coupled to prostaglandin F2 alpha synthesis in the ovary: studies in cultured swine granulosa cells. Veldhuis JD, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):249–54

Production of prostaglandins I2, E2 and F2 alpha by blood vessels of normotensive and hypertensive, male and female rats. Lennon EA, et al.
Prostaglandins Leukotrienes Med 1986 Dec;25(2–3):71–89

Comparative study of the biosynthesis of PGE2, PGF2 alpha and TXA2 by different organs of genetically hypertensive (SHR) and obese–hypertensive (SHR–fa/fa) rats. Pham Huu Chanh, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):21–32

Glucocorticoid and prostaglandin: lack of an inhibitory effect by dexamethasone on the synthesis of 6–ketoprostaglandin F1 alpha in rat lung. Tsai MY.
Prostaglandins Leukotrienes Med 1987 Jul;28(2):119–25

Prostaglandin synthesis and early biochemical events in the liver cells during the acute–phase response. Piccoletti R, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun; 56(3):291–300

Mechanism of action of cyclosporine in preventing cardiac allograft rejection. II. Graft tissue levels of prostacyclin and thromboxane. Fan TP, et al. **Transplantation** 1987 Mar; 43(3):343–5

[Interleukin–1 and prostaglandin production by human peripheral blood monocytes] Koval'chuk LV, et al.
Lab Delo 1986;(11):657–60 (Eng. Abstr.) **(Rus)**

BLOOD

Estrogen, progesterone, prolactin, prostaglandin E2, prostaglandin F2 alpha, 13,14–dihydro–15–keto–prostaglandin F2 alpha, and 6–keto–prostaglandin F1 alpha gradients across the uterus in women in labor and not in labor. Davidson BJ, et al.
Am J Obstet Gynecol 1987 Jul;157(1):54–8

Plasma prostaglandin metabolite levels after use of prostaglandin E2 gel for cervical ripening. O'Brien WF, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1037–40

Hormonal changes in sows after induced porcine parvovirus infection in early pregnancy. Meyers PJ, et al.
Am J Vet Res 1987 Apr;48(4):621–6

The effect of pericervical PGE2 instillation on levels of maternal serum 13,14–dihydro–15–keto–PGF2 alpha and progesterone. Grünberger W, et al. **Arch Gynecol** 1986; 239(2):93–9

Development of enzyme immunoassay for serum 13,14–dihydro–15–ketoprostaglandin F2 alpha. Yokota K, et al. **Biochim Biophys Acta** 1986 Dec 5;879(3):322–9

Identification of 13,14–dihydro–15–oxo–prostaglandin F2 alpha in the circulation during infusions of bradykinin and prostaglandin E2 in man. Barrow SE, et al.
Br J Pharmacol 1987 May;91(1):245–50

Retained placenta and plasma prostaglandin F profile after induced parturition in Karan Swiss cattle. Prakash BS, et al. **Br Vet J** 1986 May–Jun;142(3):210–7

Changes in the plasma prostaglandin F2 alpha metabolite before and during spontaneous labor and labor induced by amniotomy, oxytocin and prostaglandin E2. Nagata I, et al. **Endocrinol Jpn** 1987 Apr;34(2):153–9

Oxytocin, oxytocin–associated neurophysin, and prostaglandin F2 alpha concentrations in the utero–ovarian vein of pregnant and nonpregnant sheep. Hooper SB, et al. **Endocrinology** 1986 Dec;119(6):2590–7

Determination of peripheral plasma prostanoid concentration: an unreliable index of 'in vivo' prostanoid activity. Schweer H, et al. **Eur J Clin Pharmacol** 1986;31(3):303–5

Profiles of endogenous prostaglandin F2 alpha, thromboxane A2 and prostacyclin with regard to cardiovascular and organ functions in early septic shock in man. Oettinger W, et al. **Eur Surg Res** 1987;19(2):65–77

Release of prostanoids into the portal and hepatic vein in patients with chronic liver disease. Wernze H, et al.
Hepatology 1986 Sep–Oct;6(5):911–6

Effect of altrenogest and Lutalyse on parturition control, plasma progesterone, unconjugated estrogen and 13,14–dihydro–15–keto–prostaglandin F2 alpha in sows. Guthrie HD, et al. **J Anim Sci** 1987 Jul;65(1):203–11

Serum 13–14–diOH–15–keto–prostaglandin F2 alpha and airway response to meclofenamate and metaproterenol in relation to the menstrual cycle. Eliasson O, et al.
J Asthma 1986;23(6):309–19

Prostaglandin in the peripheral plasma of tammar wallabies during parturition. Lewis PR, et al. **J Endocrinol** 1986 Oct; 111(1):103–9

Effect of intrauterine iodine infusion on luteal function and blood PGF2a concentration in cycling goats. Barnes DA, et al. **Prostaglandins** 1987 May;33(5):743–55

Conditions of the cervix for the increase of plasma levels of 13,14–dihydro–15–keto–prostaglandin F2 alpha after amniotomy at term. Manabe Y, et al. **Prostaglandins** 1987 May;33(5):757–66

Prostacyclin, thromboxane and prostaglandin F2 alpha; plasma levels in breast cancer. Vergote I, et al.
Tumour Biol 1986;7(5–6):407–10

Development of a continuous blood collection technique and a detailed study of prostaglandin F2 alpha release during luteolysis and early pregnancy in heifers. Basu S, et al.
Zentralbl Veterinarmed [A] 1987 Aug;34(7):487–500

[Plasma levels of prostaglandins E1 and F2 alpha in patients with angina pectoris] Mituržyńska–Stryjecka H.
Wiad Lek 1986 Oct 15;39(20):1391–5 (Eng. Abstr.) **(Pol)**

[Prostaglandins in erysipelas] Cherkasov VL, et al.
Sov Med 1986;(8):26–8 (Eng. Abstr.) **(Rus)**

[Prostaglandins and the immunological indices of patients with chronic heart failure] Kilasoniia LO, et al.
Ter Arkh 1986;58(6):72–4 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

The use of prostaglandin F2 alpha and scopolamine–N–butylbromide in anorectal manometric diagnosis. Sumitomo K, et al. **Z Kinderchir** 1986 Dec; 41(6):344–7

IMMUNOLOGY

Active immunization of heifers against prostaglandin F2 alpha: potential as a sterilization vaccine. Chang CF, et al. **J Anim Sci** 1987 Apr;64(4):1090–8

METABOLISM

Plasma concentrations of prostaglandin F2 alpha and prostaglandin E2 metabolites after transabdominal and transvaginal cervical cerclage. Novy MJ, et al.
Am J Obstet Gynecol 1987 Jun;156(6):1543–52

Enzymatic transformation of PGH2 to PGF2 alpha catalyzed by glutathione S–transferases. Burgess JR, et al.
Biochem Biophys Res Commun 1987 Jan 30;142(2):441–7

Chain–shortening of prostaglandin F2 alpha by rat liver peroxisomes. Diczfalusy U, et al.
Biochem Biophys Res Commun 1987 May 14;144(3):1206–13

Metabolism of prostaglandins D2 and F2 alpha in primary cultures of rat hepatocytes. Sago T, et al.
Biochim Biophys Acta 1986 Dec 5;879(3):330–8

Prostaglandin levels in peripheral and follicular plasma, the isolated theca and granulosa layers of pre– and postovulatory follicles, and the myometrium and mucosa of the shell gland (uterus) during a midsequence–oviposition of the hen (Gallus domesticus). Saito N, et al. **Biol Reprod** 1987 Feb;36(1):89–96

Vaginal and abdominal delivery increases maternal urinary 6–keto–prostaglandin F1 alpha excretion [letter] Jeremy JY, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):377–8

Evidence for increased activity of mouse brain fatty acid cyclooxygenase following drug–induced convulsions. Lysz TW, et al. **Brain Res** 1987 Apr 7;408(1–2):6–12

Prostaglandins in breast milk. Friedman Z.
Endocrinol Exp (Bratisl) 1986 Aug;20(2–3):285–91

Fetal and maternal metabolism of prostaglandin F2 alpha in the guinea pig. Keirse MJ, et al.
Eur J Obstet Gynecol Reprod Biol 1979 Aug;9(4):265–71

Comparison of intrauterine prostaglandin metabolism during pregnancy in man, sheep and guinea pig. Keirse MJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug; 8(4):195–203

The ocular pharmacokinetics of eicosanoids and their derivatives. I. Comparison of ocular eicosanoid penetration and distribution following the topical application of PGF2 alpha, PGF2 alpha–1–methyl ester, and PGF2 alpha–1–isopropyl ester. Bito LZ, et al. **Exp Eye Res** 1987 Feb;44(2):217–26

Effect of azodisal sodium and sulphasalazine on ileostomy output of fluid and PGE2 and PGF2 alpha in subjects with a permanent ileostomy. Sandberg–Gertzén H, et al. **Gut** 1986 Nov;27(11):1306–11

The role of prostaglandins E and F in acalculous gallbladder disease. Kaminski DL, et al. **Hepatogastroenterology** 1987 Apr;34(2):70–3

Serum ovarian steroids, prolactin and prostaglandin metabolites in women using the inert intrauterine device. Shalev E, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):139–44

Mass spectrometric evidence for the conversion of exogenous adrenate to dihomo–prostaglandins by seminal vesicle cyclo–oxygenase. A comparative study of two animal species. Ferretti A, et al. **J Chromatogr** 1986 Dec 19; 383(2):241–50

The effect of the antiprogestins RU 486 and ZK 98734 on the synthesis and metabolism of prostaglandins F2 alpha and E2 in separated cells from early human decidua. Smith SK, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):527–34

Prostaglandin production by the guinea–pig endometrium: is calcium necessary? Riley SC, et al. **J Endocrinol** 1987 Jun;113(3):463–71

Gastrointestinal processing of gastrically administered prostaglandin F2 alpha in suckling and weaning rats. Bedrick AD, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):121–7

Binding of a novel prostaglandin F 2 alpha–derivative (ZK 71 677) to pseudopregnant rat ovaries. Brambaifa N.
J Recept Res 1986;6(3–4):195–207

Inhibitory effect of clomiphene citrate on the conversion of 13,14–dihydro–15–keto–prostaglandin F2 alpha to 13,14–dihydro–prostaglandin F2 alpha in rat ovary. Inazu N, et al. **Jpn J Pharmacol** 1986 Dec;42(4):487–91

Changes in amniotic fluid prostaglandins with oxytocin–induced labor. Padayachi T, et al.
Obstet Gynecol 1986 Nov;68(5):610–3

(5Z,13E)–(15S)–9 alpha,11 beta,15–trihydroxyprosta–5,13–dien–1–oic acid (9 alpha,11 beta–prostaglandin F2): formation and metabolism by human lung and contractile effects on human bronchial smooth muscle. Seibert K, et al.
Proc Natl Acad Sci USA 1987 Jan;84(1):256–60

Uptake and release of 3H prostaglandins E2 and F2 alpha in uterine strips isolated from ovariectomized rats. Influence of in vitro progesterone. Gimeno MF, et al.
Prostaglandins 1987 Jan;33(1):51–61

Metabolism of prostaglandin PG–F2 alpha by freshly isolated alveolar type II cells from lungs of adult male or pregnant rabbits. Devereux TR, et al.
Prostaglandins Leukotrienes Med 1987 Apr;27(1):43–52

Alterations in reproductive tissue concentrations of oxytocin and prostaglandins during early pregnancy in the goat. Cooke RG, et al. **Zentralbl Veterinarmed** [A] 1987 Jun; 34(6):415–9

[Endogenous prostaglandins mediating adaptive cytoprotection on gastric mucosa by pepsin] Wang JY, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):451–8 (Eng. Abstr.) **(Chi)**

[Prostaglandin F2 alpha, prostacyclin and thromboxane in benign and malignant breast tumors] Vergote I, et al.
Verh K Acad Geneeskd Belg 1987;49(2):133–76 (Eng. Abstr.) **(Dut)**

[Synthesis of (8Z,11Z,14Z)–eicosatrien–5–ynoic (5,6–dehydroarachidonic) acid and its transformation into [5,6–3H]arachidonic acid and [5,6–3H]prostaglandins E2 and F2 alpha] Miagkova GI, et al. **Bioorg Khim** 1987 Mar; 13(3):415–9 (Eng. Abstr.) **(Rus)**

[Prostaglandin and cAMP levels in the endometrium of women with a normal menstrual cycle] Goncharova VN, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):29–32

(Eng. Abstr.) (Rus)
[Prostaglandin and cyclic nucleotide levels in patients with peptic ulcer and chronic gastritis with secretory insufficiency] Valenkevich LN, et al. **Ter Arkh** 1987; 59(2):29–31 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Interaction of PGF2 alpha with prolactin on the release of cyclic AMP and progesterone from the isolated perfused ovary of the pregnant mare serum gonadotropin–treated rat. Sogn J, et al. **Acta Endocrinol (Copenh)** 1986 Nov; 113(3):410–7

Menstrual cycle and sensitivity of human fallopian tube to prostaglandins. Nozaki M, et al. **Am J Physiol** 1986 Dec; 251(6 Pt 2):R1126–36

Oxytocin precipitation of prostaglandin–induced farrowing in swine: determination of the optimal dose of oxytocin and optimal interval between prostaglandin F2 alpha and oxytocin. Dial GD, et al. **Am J Vet Res** 1987 Jun; 48(6):966–70

Effects of intracellular and extracellular calcium blockers on the pulmonary vascular responses to PGF2 alpha and U46619. Santoian EC, et al. **Angiology** 1987 Jan;38(1 Pt 1):51–5

Luteolysis and thrombus formation in ovaries of immature superstimulated golden hamsters. Spanel–Borowski K, et al. **Aust J Biol Sci** 1986;39(4):407–16

Investigation into the use of prostaglandin F2 alpha (PGF2 alpha) and oxytocin for the induction of farrowing. Chantaraprateep P, et al. **Aust Vet J** 1986 Aug;63(8):254–6

Carbamylcholine, TRH, PGF2 alpha and fluoride enhance free intracellular Ca++ and Ca++ translocation in dog thyroid cells. Raspé E, et al.
Biochem Biophys Res Commun 1986 Dec 15;141(2):569–77

Destruction of bovine ovarian follicles: effects on the pulsatile release of luteinizing hormone and prostaglandin F2 alpha–induced luteal regression. Hughes TL, et al.
Biol Reprod 1987 Apr;36(3):523–9

The effect of human chorionic gonadotropin, dibutyryl cyclic adenosine 3',5'-monophosphate, prostaglandins, and 25–hydroxycholesterol on acute progesterone secretion by dissociated rabbit luteal cells in vitro: evidence for independent effect of human chorionic gonadotropins and lipoproteins. McLean MP, et al. **Biol Reprod** 1987 May; 36(4):854–63

Coronary smooth muscle reactivity to repeated agonist administration in a long–time experiment in vitro. Gräser T, et al. **Biomed Biochim Acta** 1987;46(4):207–14

Artificial insemination of indigenous Nigerian Zebu cattle following synchronization of oestrus with prostaglandin F2 alpha: I. Preliminary fertility trial. Voh AA Jr, et al.
Br Vet J 1987 Mar–Apr;143(2):136–42

Antagonistic actions of prostaglandins E2 and F2 alpha on the isolated lungs of the frog, Rana esculenta L. Piomelli D, et al. **Comp Biochem Physiol [C]** 1987;87(1):21–2

Involvement of prostaglandin in the antifertility effects of gossypol. Kalla NR, et al. **Contraception** 1986 Aug; 34(2):177–90

Epidermal growth factor potentiates the induction of ornithine decarboxylase activity by prostaglandins in embryonic palate mesenchymal cells: effects on cell proliferation and glycosaminoglycan synthesis. Pisano MM, et al. **Dev Biol** 1987 Aug;122(2):419–31

A phorbol ester, phorbol 12–myristate 13–acetate, and a calcium ionophore, A23187, can mimic the luteolytic effect of prostaglandin F2 alpha in isolated rat luteal cells. Baum MS, et al. **Endocrinology** 1987 Mar;120(3):1019–26

Analysis of relaxin release from cultured porcine luteal cells by reverse hemolytic plaque assay: influence of gestational age and prostaglandin F2 alpha. Taylor MJ, et al.
Endocrinology 1987 May;120(5):2085–91

Demonstration of the beta 2–adrenoceptor intrinsic efficacy of AY–28,925 using the PGF2 alpha–contracted guinea–pig trachea. Heaslip RJ, et al. **Eur J Pharmacol** 1987 Jun 4; 137(2–3):179–84

Alterations of MCF–7 human breast cancer cell after prostaglandins PGA1 and PGF2 alpha treatment. Shahabi NA, et al. **Exp Cell Biol** 1987;55(1):18–27

Prostaglandin F2 alpha–induced changes in the sex organs of the male laboratory mouse. Singh SK, et al.
Exp Clin Endocrinol 1986 Dec;88(3):309–15

Effects of intracamerally infused prostaglandins on outflow facility in cynomolgus monkey eyes with intact or retrodisplaced ciliary muscle. Kaufman PL.
Exp Eye Res 1986 Nov;43(5):819–27

Ethanol–induced damage to mucosal capillaries of rat stomach. Ultrastructural features and effects of prostaglandin F2 beta and cysteamine. Trier JS, et al.
Gastroenterology 1987 Jan;92(1):13–22

In vitro effect of prostaglandins on the accumulation of cyclic AMP in the avian oviduct. Asem EK, et al.
Gen Comp Endocrinol 1987 May;66(2):244–7

In vitro effects of serotonin and prostaglandins on release of eggs from the ovary of the scallop, Patinopecten yessoensis. Matsutani T, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):111–8

Rapid decline in the behavioral response of paradise fish (Macropodus opercularis) to prostaglandin F2 alpha treatment. Villars TA, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):157–61

Multiple dosing of prostaglandin F2 alpha or epinephrine on cynomolgus monkey eyes. II. Slit–lamp biomicroscopy, aqueous humor analysis, and fluorescein angiography. Camras CB, et al. **Invest Ophthalmol Vis Sci** 1987 Jun; 28(6):921–6

Synchronization of estrus in postpartum beef cows with melengestrol acetate and prostaglandin F2 alpha. Beal WE, et al. **J Anim Sci** 1986 Aug;63(2):343–7

Purines, prostaglandins and peptides—nature and cellular mechanisms of action of local assist and assassin agents in the ovary. Behrman HR, et al. **J Anim Sci** 1986;62 Suppl 2:14–24 (81 ref.)

Effect of prostaglandin F2 alpha–induced luteolysis on in vivo and in vitro progesterone production by individual placentomes of cows. Conley AJ, et al. **J Anim Sci** 1987 Aug;65(2):500–7

Bovine corpus luteum regression and estrous response following treatment with alfaprostol. Hansen TR, et al.
J Anim Sci 1987 May;64(5):1280–4

Corpus luteum function following spontaneous or prostaglandin–induced estrus in Brahman cows and heifers. Hansen TR, et al. **J Anim Sci** 1987 Aug;65(2):524–33

Hormone secretion and characteristics of estrous cycles after treatment of heifers with human chorionic gonadotropin or prostaglandin F2 alpha during corpus luteum formation. Helmer SD, et al. **J Anim Sci** 1987 Mar;64(3):782–9

Aspects of the antiluteolytic activity of the conceptus during early pregnancy in ewes. Lacroix MC, et al.
J Anim Sci 1986 Nov;63(5):1449–58

Effect of prostaglandin F2 alpha administration on early pregnancy in ewes. Naasz PE, et al. **J Anim Sci** 1987 Apr; 64(4):1127–33

Maintenance of the corpus luteum of early pregnancy in the ewe. IV. Changes in luteal sensitivity to prostaglandin F2 alpha throughout early pregnancy. Silvia WJ, et al.
J Anim Sci 1986 Oct;63(4):1201–7

Passive immunization of cyclic mares against androgen: gonadotropin and progesterone concentrations and estrous characteristics. Thompson DL Jr, et al. **J Anim Sci** 1987 Mar;64(3):797–804

Progestin and prostaglandin for estrous synchronization in beef heifers. Whittier JC, et al. **J Anim Sci** 1986 Sep; 63(3):700–4

Effects of prostaglandin F2 alpha and prostacyclin on pulmonary microcirculation in the cat. Sada K, et al.
J Appl Physiol 1987 Mar;62(3):1124–32

Requirement for prostaglandin F2 alpha in 17 beta–estradiol stimulation of DNA synthesis in rabbit endometrial cultures. Orlicky DJ, et al. **J Cell Physiol** 1987 Feb; 130(2):292–300

9 alpha,11 beta–prostaglandin F2, a novel metabolite of prostaglandin D2 is a potent contractile agonist of human and guinea pig airways. Beasley CR, et al.
J Clin Invest 1987 Mar;79(3):978–83

Estrous synchronization and establishment of pregnancy in bovine embryo transfer recipients. Coleman DA, et al.
J Dairy Sci 1987 Apr;70(4):858–66

Enhanced precision of estrus and luteinizing hormone after progesterone and prostaglandin in heifers. Fogwell RL, et al. **J Dairy Sci** 1986 Aug;69(8):2179–85

Controlling first service and calving interval by prostaglandin F2 alpha, gonadotropin–releasing hormone, and timed insemination. Lucy MC, et al. **J Dairy Sci** 1986 Aug; 69(8):2186–94

Prostaglandin F2 alpha–induced functional luteolysis: interactions of LH, prostaglandin F2 alpha and forskolin in cyclic AMP and progesterone synthesis in isolated rat luteal cells. Kenny N, et al. **J Endocrinol** 1986 Dec; 111(3):415–23

Calmodulin inhibitors and
8–(N,N–diethylamino)–octyl–3,4,5–trimethoxybenzoate do not prevent the inhibitory effect of prostaglandin F2 alpha on cyclic AMP production in isolated rat corpora lutea. Lahav M, et al. **J Endocrinol** 1987 May;113(2):205–12

Endothelium–dependent gender differences in the response of the rat aorta. Maddox YT, et al.
J Pharmacol Exp Ther 1987 Feb;240(2):392–5

Effects of prostaglandins E–2 and F–2 alpha on the metabolism of [U–14C]glucose by mouse morulae–early blastocysts in vitro. Khurana NK, et al. **J Reprod Fertil** 1987 Jan;79(1):275–80

Changes in plasma concentrations of arginine vasotocin after intrauterine injections of prostaglandin F–2 alpha and acetylcholine at various times during the oviposition cycle of the domestic hen (Gallus domesticus). Shimada K, et al. **J Reprod Fertil** 1987 May;80(1):143–50

Effect of systemic intravenous infusion of PGF–2 alpha and 13,14–dihydro–15–keto–PGF–2 alpha on the release of oxytocin–associated neurophysin from the ovary in the ewe. Watkins WB, et al. **J Reprod Fertil** 1987 May; 80(1):105–12

Vascular control of luteal steroidogenesis. Pharriss BB, et al. **J Reprod Fertil [Suppl]** 1970;10:97–103

Response of the isolated human seminiferous tubule to prostaglandins F1 alpha, F2 alpha, E1 and E2. Yamamoto M, et al. **J Urol** 1987 Feb;137(2):345–8

Role of 5–hydroxytryptamine in the uterotonic action of prostaglandin F2 alpha. Bandyopadhyay SK, et al.
Mater Med Pol 1986 Sep–Dec;18(4):203–6

Mechanism of action of prostaglandin F2 alpha–induced luteolysis: evidence for a rapid effect on the guanine nucleotide binding regulatory component of adenylate cyclase in rat luteal tissue. Norjavaara E, et al.
Mol Cell Endocrinol 1986 Dec;48(2–3):97–104

Possible involvement of prostaglandins in cataleptic behavior in rats. Ono N, et al. **Pharmacol Biochem Behav** 1986 Aug; 25(2):463–7

Characteristic features concerning the action of prostaglandin F2 alpha (PGF2 alpha) on the microvascular territories drained by truncus jugularis. Dandel M, et al.
Physiologie 1987 Apr–Jun;24(2):97–104

Prostaglandin F2 alpha stimulates phosphatidylinositol 4,5–bisphosphate hydrolysis and mobilizes intracellular Ca2+ in bovine luteal cells. Davis JS, et al.
Proc Natl Acad Sci USA 1987 Jun;84(11):3728–32

In vitro action of PG F2 alpha on progesterone and cAMP synthesis in small bovine luteal cells. Benhaim A, et al.
Prostaglandins 1987 Feb;33(2):227–39

A comparison of the contractile activity of PGD2 and PGF2 alpha on human isolated bronchus. Black JL, et al.
Prostaglandins 1986 Jul;32(1):25–31

The effect of prostaglandin F2 alpha administration on progesterone after hysterectomy of guinea–pigs. Evans JJ.
Prostaglandins 1987 Apr;33(4):561–6

Involvement of prostaglandins in the effect of cupric ions on the human uterus. Laudanski T, et al. **Prostaglandins** 1986 Jul;32(1):33–41

The lack of involvement of central nervous system in the antiarrhythmic effects of prostaglandins E2, F2 alpha, and I2 in cat. Rao TS, et al. **Prostaglandins** 1987 Mar; 33(3):339–50

Mobilization of intracellular calcium as a mechanism for the positive inotropic effect by prostaglandin F2 alpha in isolated guinea pig atria. Otani H, et al.
Prostaglandins Leukotrienes Med 1986 Sep;24(1):51–6

Reproductive efficiency and feasibility of oestrus control prior to artificial insemination in crossbred bovine females in India. Bhosrekar MR, et al.
Rev Elev Med Vet Pays Trop 1986;39(1):129–37

The effect of prostaglandins E2 and F2 alpha on the vascular bed of the isolated perfused rabbit liver during perfusion with the erythrocyte–free medium and autologous blood. Macek K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984; 27(4):463–76

New evidence for prostaglandin induced motility of the ureter. Al–Ugaily L, et al. **Scand J Urol Nephrol** 1986; 20(3):225–9

Effect of enzaprost F on the dilatation of cervical canal following intracervical and extra–ovular application in the first trimester of pregnancy. Pajor A, et al. **Ther Hung** 1985; 33(4):193–7

Reversal of the effects of 4–amino–antipyrine on myometrial and cervical electromyographic activity by PGF2 alpha in the ovariectomized estradiol–replaced non–pregnant ewe. Yarrington G, et al. **Yale J Biol Med** 1986 Jul–Aug; 59(4):415–24

[The effect of repeated administration of Oestrophan (SPOFA) on the quality of sexual function in breeding stock] Holčák V, et al. **Vet Med (Praha)** 1987 Jan;32(1):1–8 (Eng. Abstr.) (Cze)

[Effects of PGF2 alpha prostaglandins on milk ejection in the ewe. Consequences of ovariectomy with or without estroprogestative complementation] Labussière J, et al.
Reprod Nutr Dev 1986;26(4):933–42 (Eng. Abstr.) (Fre)

[Use of a luteolytic prostaglandin in rabbit meat production] Lammers HJ, et al. **DTW** 1987 Jul–Aug;94(7):410–2 (Eng. Abstr.) (Ger)

[Interaction of sex steroids, prostaglandins (6–keto–PGF1 alpha, PGF2 alpha) and beta adrenergic agonists (adrenaline, fenoterol–Partusisten) in the human non–pregnant myometrium in vitro] Quaas L, et al.
Z Geburtshilfe Perinatol 1986 Sep–Oct;190(5):204–9 (Eng. Abstr.) (Ger)

[Effect of uterotonic agents on the pathophysiology of endotoxin–induced shock] Schmidt EH, et al.
Z Geburtshilfe Perinatol 1987 Mar–Apr;191(2):73–5 (Eng. Abstr.) (Ger)

[The effects of prostaglandin F2 alpha infusion into the pulmonary artery of the nonventilated lung on the venous admixture and pulmonary blood flow during one–lung ventilation in patients and dogs] Saitoh Y, et al. **Masui** 1987 Mar;36(3):349–55 (Eng. Abstr.) (Jpn)

[Analysis of intestinal motility by enteric sound recording system—clinical evaluation of aclatonium napadisilate and prostaglandine F2 alpha on intestinal movement] Kawaguchi T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1985 Oct;21(5):419–25 (Eng. Abstr.) (Jpn)

[Effects of prostaglandins on the contractile mechanism, especially on an intracellular Ca store in uterine smooth muscle cells] Takayama T.
Nippon Heikatsukin Gakkai Zasshi 1986 Feb;22(1):31–42 (Eng. Abstr.) (Jpn)

[Inhibition of growth of human endometrial adenocarcinoma cells in vitro treated with prostaglandin F2 alpha, E2, D2 and J2] Suzuki H, et al.
Nippon Naibunpi Gakkai Zasshi 1986 Aug 20;62(8):857–66 (Eng. Abstr.) (Jpn)

[Effect of stimulators and inhibitors of myometrial contractile activity on oxygen tension in uterine and fetal tissues (experimental study)] Egorova EB, et al.
Akush Ginekol (Mosk) 1987 Jan;(1):41–3 (Eng. Abstr.) (Rus)

[Changes in the cytologic and electrophysiologic parameters of rat oocytes in response to prostaglandins F2 alpha and E2] Makusheva VP, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):46–9 (Eng. Abstr.) (Rus)

[Current fluctuations across the bilayer membrane in the presence of prostaglandin F2 alpha] Korolev NP, et al. **Biol Nauki** 1987;(1):26–9 (Eng. Abstr.) **(Rus)**

[Bronchial response to prostaglandins (F2 alpha and D2) and leukotrienes in patients with bronchial asthma] Haxhiu MA, et al. **Pneae Bolesti** 1986 Jan–Mar;38(1):3–11 (Eng. Abstr.) **(Ser)**

PHYSIOLOGY

A physiological role of E and F series prostaglandins in the regulation of TSH secretion. Yamauchi K, et al. **Endocrinol Jpn** 1986 Dec;33(6):863–73

Participation of prostaglandins E2 and F2 alpha in the action of fibrinopeptides A and B on the central dopaminergic system. Swiderska D, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):29–39

SECRETION

Prostaglandin F2 alpha and oxytocin release during persistence of the corpus luteum in sheep. Hooper SB, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):469–77

Effects of estrone infusion on secretion of F series prostaglandins and on function of the corpus luteum during late gestation in cattle. Pimentel CA, et al. **Am J Vet Res** 1986 Sep;47(9):1972–7

Effects of a luteolytic dose of oestradiol benzoate on uterine oxytocin receptor concentrations, phosphoinositide turnover and prostaglandin F-2 alpha secretion in sheep. Hixon JE, et al. **J Reprod Fertil** 1987 Mar;79(2):457–67

THERAPEUTIC USE

Prostaglandin F2–alpha bladder irrigation for control of intractable cyclophosphamide–induced hemorrhagic cystitis. Shurafa M, et al. **J Urol** 1987 Jun;137(6):1230–1

Prostaglandin F2 alpha for treating severe postpartum hemorrhage. Few BJ. **MCN** 1987 May–Jun;12(3):169

The characteristic pattern of aspartate aminotransferase and alanine aminotransferase in the bitch with the cystic hyperplasia–pyometra complex: effect of medical or surgical treatment. de Schepper J, et al. **Vet Res Commun** 1987;11(1):65–75

[Use of prostaglandins (PGF2 alpha—Prostin 15–M) in the therapy of missed abortion] Berić B, et al. **Med Pregl** 1986; 39(5–6):219–20 (Eng. Abstr.) **(Ser)**

[Use of a prostaglandin (PGF2 alpha—Prostin 15M) in the induction of labor in fetal death—missed labor] Berić BM, et al. **Med Pregl** 1986;39(3–4):111–3 (Eng. Abstr.) **(Ser)**

TOXICITY

The influence of clenbuterol on prostaglandin F2 alpha–induced dyspnoea in calves. Nuytten J, et al. **Vet Res Commun** 1986 Nov;10(6):453–61

URINE

Prostaglandin excretion in pseudohypoaldosteronism type I. Werder EA, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:381–5

Urinary levels of estrone sulfate and 11–ketotetranor prostaglandin F metabolite in pregnant guinea pigs given Clophen A50 (polychlorinated biphenyls). Lundkvist U, et al. **Biol Reprod** 1987 Feb;36(1):109–16

Determination of prostaglandin E2, prostaglandin F2 alpha and 6–oxo–prostaglandin F1 alpha in urine by gas chromatography/mass spectrometry and gas chromatography/tandem mass spectrometry: a comparison. Schweer H, et al. **Biomed Environ Mass Spectrom** 1986 Nov;13(11):611–9

Urinary excretion and renal production of prostaglandins E2, F2 alpha, and thromboxane B2 in experimental diabetes mellitus. Bunke M, et al. **J Lab Clin Med** 1986 Oct; 108(4):332–9

[Urinary excretion of 6–ketoprostaglandin F1 alpha (6–keto–PGF1 alpha) and its relation to plasma renin activity in hyperthyroidism] Földes J, et al. **Orv Hetil** 1987 Aug 2;128(31):1615–6, 1619 (Eng. Abstr.) **(Hun)**

PROSTAGLANDINS F, SYNTHETIC

ADMINISTRATION & DOSAGE

Use of different prostaglandin analogues for terminating pregnancy at different terms. Manuilova IA. **Acta Med Hung** 1986;43(2):133–8

Local prostaglandin F2 alpha injection for termination of ectopic pregnancy. Lindblom B, et al. **Lancet** 1987 Apr 4;1(8536):776–7

[A clinical study on the interruption of first and second trimester pregnancies by vaginal suppositories of dl–15 methyl PGF2 alpha methyl ester] Fan GS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb; 9(1):65–8 (Eng. Abstr.) **(Chi)**

[Induction of uterine contractions using Enzaprost F administered into the uterine cavity] Marianowski L, et al. **Ginekol Pol** 1986 Sep;57(9):570–2 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Hypertensive response to dinoprost under anesthesia [letter] Mayhew JF. **Anesth Analg** 1986 Nov;65(11):1248

Prostaglandin reaction [letter] Lister M. **Vet Rec** 1987 May 15;120(20):487

ANALYSIS

Evaluation of the 190H analogues of prostaglandins E1, E2, F1 alpha and F2 alpha as specific markers for the identification of human semen in body fluid mixtures. Sutton JG, et al. **Forensic Sci Int** 1987 Feb;33(2):103–16

ANTAGONISTS & INHIBITORS

Effect of indomethacin on the injection–abortion interval of 15(S) 15 methyl PGF2 alpha–induced mid–trimester abortions—a randomized study. Adaikan PG, et al. **Prostaglandins Leukotrienes Med** 1987 May;27(2–3):161–7

CHEMICAL SYNTHESIS

Structure–activity studies of 16–methoxy–16–methyl prostaglandins. Guzzi U, et al. **J Med Chem** 1986 Oct; 29(10):1826–32

PHARMACODYNAMICS

The effect of a bacterial endotoxin or cloprostenol on the clinical status and hormonal levels in 80–100 days pregnant gilts. Cort N, et al. **Acta Vet Scand** 1986;27(2):145–58

Prostaglandin–induced abortion in swine: endocrine changes and influence on subsequent reproductive activity. Pressing AL, et al. **Am J Vet Res** 1987 Jan;48(1):45–50

Peripheral plasma levels of progesterone in Nigerian Zebu cows following synchronization of oestrus with prostaglandin F2 alpha analogue (Dinoprost tromethamine). Voh AA Jr, et al. **Br Vet J** 1987 May–Jun; 143(3):254–63

Milk progesterone concentrations following simultaneous administration of buserelin and cloprostenol in cattle with normal corpora lutea. White ME, et al. **Can J Vet Res** 1986 Apr;50(2):285–6

Effect of altrenogest and Lutalyse on parturition control, plasma progesterone, unconjugated estrogen and 13,14–dihydro–15–keto–prostaglandin F2 alpha in sows. Guthrie HD, et al. **J Anim Sci** 1987 Jul;65(1):203–11

Failure of the prostaglandin F2 alpha analogue, cloprostenol, to induce functional luteolysis in the olive baboon (Papio cynocephalus anubis). Eley RM, et al. **J Med Primatol** 1987; 16(1):1–11

Luteal hypoplasia and induced ovulation in cows. Ohnami Y, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):863–71

Use of fenprostalene in superovulated beef heifers. Boland MP, et al. **Vet Rec** 1986 Sep 6;119(10):241–2

[Effects of 15–methyl prostaglandin F2 alpha on isolated smooth muscles of the guinea pig] Wei X, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):125–7 (Eng. Abstr.) **(Chi)**

[Effects of 15–methyl–prostaglandin F2 alpha on uterine contraction and plasma progesterone] Liu CG, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):539–44 (Eng. Abstr.) **(Chi)**

[Inhibition of meal–stimulated secretion of gastric acid and liberation of gastrin by a new synthetic prostaglandin E2 derivative] Eysselein VE, et al. **Med Klin** 1987 Mar 20; 82(6):224–8 (Eng. Abstr.) **(Ger)**

[Cytoprotective effect of prostaglandins on erythrocytes in patients with arteriosclerosis of the extremities] Michalak J, et al. **Pol Tyg Lek** 1986 Dec 15;41(50):1585–8 (Eng. Abstr.) **(Pol)**

[Effect of prostaglandins on the contractile activity of isolated human myometrium] Tsirkin VI, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):54–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Prostaglandin F2 alpha treatment of canine pyometra. Meyers–Wallen VN, et al. **J Am Vet Med Assoc** 1986 Dec 15;189(12):1557–61

PROSTAGLANDINS G see under **PROSTAGLANDIN ENDOPEROXIDES**

PROSTAGLANDINS H see under **PROSTAGLANDIN ENDOPEROXIDES**

PROSTAGLANDINS I see **PROSTAGLANDINS X**

PROSTAGLANDINS I2 see **PROSTAGLANDINS X**

PROSTAGLANDINS, SYNTHETIC

ANALYSIS

Diethylhydrogensilyl–cyclic diethylsilylene derivatives in gas chromatography–mass spectrometry of prostanoids. III. F alpha–prostaglandins and thromboxane B2 derivatives. Ishibashi M, et al. **J Chromatogr** 1987 Mar 27;391(1):183–97

CHEMICAL SYNTHESIS

Synthesis of a highly potent analogue of prostacyclin, (–)–5–methyleneisocarbacyclin. Amemiya S, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4403–5

A stereoselective synthesis of a stable prostacyclin analogue; dl–3–oxa–9(O)–methano–delta 6(9 alpha)–prostaglandin I. Kojima K, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):948–56

9,11–Epoxy–9–homo–14–oxaprosta–5–enoic acid derivatives. Novel inhibitors of fatty acid cyclooxygenase. Hall SE, et al. **J Med Chem** 1986 Nov;29(11):2335–47

IMMUNOLOGY

Measurement by radioimmunoassay of prostaglandins as their methyl oximes. Kelly RW, et al. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):1–14

PHARMACODYNAMICS

Prostaglandin reaction [letter] Lewis CL. **Vet Rec** 1987 Apr 25;120(17):423–4

THERAPEUTIC USE

Vasodilator therapy with a new stable prostacyclin analog, OP–41483, for congestive heart failure due to coronary artery disease and comparison of hemodynamic effects and platelet aggregation with nitroprusside. Yui Y, et al. **Am J Cardiol** 1986 Nov 1;58(10):1042–5

Effect of a stable prostacyclin analogue on canine renal allograft rejection. Tobimatsu M, et al. **Ana Surg** 1987 Feb; 205(2):199–202

Application of a prostacyclin analogue (PG) and protease inhibitor (FUT) as anticoagulants with an LVAD system. Takahama T, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):253–7

Synthetic prostaglandins—have they a place in rheumatology? [editorial] Fowler PD. **Br J Clin Pract** 1986 Sep;40(9):357–9

Enhancement of mucosal defence by prostaglandins. Rationale and clinical experience in ulcer disease. Rask–Madsen J, et al. **Scand J Gastroenterol [Suppl]** 1987; 128:34–42 (65 ref.)

[Treatment of peripheral arterial disease with prostacyclin. I. Effect of prostacyclin on the healing of ischemic ulcers of the lower extremities] Nižankowski R. **Kardiol Pol** 1986; 29(3):209–17 (Eng. Abstr.) **(Pol)**

[Prospects of using prostaglandins in the treatment of acute pancreatitis and its complications] Długosz J, et al. **Pol Arch Med Wewn** 1986 Jun;75(6):454–60 (53 ref.) **(Pol)**

[Principles of the pharmacologic treatment of decompression sickness in divers] Krzyżak J. **Pol Tyg Lek** 1986 Aug 25; 41(34):1059–62 (Eng. Abstr.) **(Pol)**

PROSTAGLANDINS X

Prostacyclin immobilized albuminated surfaces. Joseph G, et al. **J Biomed Mater Res** 1987 Jul;21(7):937–45

ADMINISTRATION & DOSAGE

In vitro perfusion studies on human umbilical arteries. II. Effects of prostacyclin and a thromboxane A2 mimetic. Bjøro K, et al. **Acta Obstet Gynecol Scand** 1986; 65(5):467–71

Epoprostenol sodium (prostacyclin) infusion in acute myocardial infarction. Kiernan FJ, et al. **Br Heart J** 1986 Nov;56(5):428–32

Lack of effect of i.v. prostacyclin on aspirin–induced asthma. Nizankowska E, et al. **Eur J Respir Dis** 1986 Nov; 69(5):363–8

Intra–arterial prostacyclin compared to Praxilene in the management of severe lower limb ischaemia: a double blind trial. Negus D, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):196–9

Intravenous prostacyclin in acute nonhemorrhagic stroke: a placebo–controlled double–blind trial. Hsu CY, et al. **Stroke** 1987 Mar–Apr;18(2):352–8

Effect of inhaled piriprost (U–60, 257) a novel leukotriene inhibitor, on allergen and exercise induced bronchoconstriction in asthma. Mann JS, et al. **Thorax** 1986 Oct;41(10):746–52

ADVERSE EFFECTS

Myocardial ischemia during intravenous prostacyclin administration: hemodynamic findings and precautionary measures. Bugiardini R, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):234–40

ANALOGS & DERIVATIVES

Prostacyclin analogues reduce ADP–ribosylation of the alpha–subunit of the regulatory Gs–protein and diminish adenosine (A2) responsiveness of platelets. Edwards RJ, et al. **Br J Pharmacol** 1987 Mar;90(3):501–10

ANALYSIS

Decreased levels of prostaglandins I2 and E2 in acute gastric mucosal lesions induced by hypoxia. Goto H, et al. **Biochem Int** 1987 Feb;14(2):311–7

Predominance of prostaglandin D2 and I2 in the rat gastric mucosa—analysis by high–performance liquid chromatography. Kinoshita T, et al. **Biochem Int** 1987 Feb; 14(2):303–9

Stability studies on piriprost and piriprost potassium using high–performance liquid chromatography. Snider BG, et al. **J Chromatogr** 1986 Sep 26;367(1):254–9

Stability study of prostacyclin in solution. Rácz I, et al. **Pharmazie** 1986 Nov;41(11):769–71

ANTAGONISTS & INHIBITORS

Inhibition of prostacyclin and thromboxane A2 generation by low–dose aspirin at the site of plug formation in man

in vivo. Kyrle PA, et al. **Circulation** 1987 May;75(5):1025–9

Pharmacokinetics of enteric-coated aspirin and inhibition of platelet thromboxane A2 and vascular prostacyclin generation in humans. Cerletti C, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):175–80

Influence of a cod liver oil diet in healthy and insulin-dependent diabetic volunteers on fatty acid pattern, inhibition of prostacyclin formation by low density lipoprotein (LDL) and platelet thromboxane. Beitz J, et al. **Klin Wochenschr** 1986 Sep 1;64(17):793–9

BIOSYNTHESIS

Maternal smoking reduces prostacyclin formation in human umbilical arteries. A study on strictly selected pregnancies. Ahlsten G, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):645–9

Strial prostaglandins and leukotrienes. Biochemical characteristics and interrelationship with furosemide. Tran Ba Huy P, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun; 103(5–6):558–66

In vivo synthesis of thromboxane and prostacyclin in man in health and disease. Data from GC-MS measurements of major urinary metabolites. Gréen K, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:309–24

Phospholipase inhibition and prostacyclin generation by gastric muscularis and mucosa layers. Cirino G, et al. **Agents Actions** 1986 Aug;18(5–6):535–7

Prostanoid mediated effects of centchroman, a non-steroidal oral contraceptive. Srivastava R, et al. **Agents Actions** 1986 Aug;18(5–6):596–9

Increased aortic PGI2 and plasma lyso-PAF in the unclipped one-kidney hypertensive rat. McGowan HM, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1361–4

Complement complex C5b–8 induces PGI2 formation in cultured endothelial cells. Suttorp N, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):C13–21

Prostaglandin F2 alpha and prostacyclin imbalance in cows with placental retention: new findings. Horta AE, et al. **Ann Rech Vet** 1986;17(4):395–400

Effect of preoperative antiplatelet drugs on vascular prostacyclin synthesis. Karwande SV, et al. **Ann Thorac Surg** 1987 Mar;43(3):318–22

Docosahexaenoic acid metabolism and effect on prostacyclin production in endothelial cells. Hadjiagapiou C, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):1–12

Alterations in prostacyclin and thromboxane formation following chronic exposure to high and low nicotine cigarettes in rats. Sherratt AJ, et al. **Artery** 1987; 14(4):216–22

Dietary (n–3) fatty acids and eicosanoid formation. Weber PC. **Bibl Nutr Dieta** 1987;(40):42–50 (32 ref.)

Cachectin/TNF as well as interleukin–1 induces prostacyclin synthesis in cultured vascular endothelial cells. Kawakami M, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):482–7

13–Hydroxyoctadecadienoic acid (13–HODE) stimulates prostacyclin production by endothelial cells. Setty BN, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):502–9

HDL–induced cardiac prostacyclin synthesis: relative contribution of HDL apoprotein and lipid. Van Sickle WA, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):416–23

Prostacyclin synthesis by vascular tissue. Effect of extracellular Ca2+. Taylor GW, et al. **Biochem J** 1986 Oct 1;239(1):237–9

Stimulation of vascular prostacyclin by SKF 525–A (proadifen) and related compounds. Boeynaems JM, et al. **Biochem Pharmacol** 1987 May 15;36(10):1637–43

Stimulation of prostacyclin production in blood vessels by the antithrombotic drug suloctidil. Boeynaems JM, et al. **Biochem Pharmacol** 1987 May 15;36(10):1629–35

Calcium antagonists stimulate prostaglandin synthesis by cultured rat cardiac myocytes and prevent the effects of hypoxia. Escoubet B, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4401–7

Inhibition of prostacyclin synthesis in cultured bovine aortic endothelial cells by vitamin K1. Nolan RD, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4273–81

Modulation of prostacyclin generation in cultured human vascular endothelial cells and the effects of human alpha–natriuretic polypeptide. Nakagawa M, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):59–64

Prostacyclin expression by a continuous human cell line derived from vascular endothelium. Suggs JE, et al. **Blood** 1986 Oct;68(4):825–9

Recovery of prostacyclin synthesis by rabbit aortic endothelium and other tissues after inhibition by aspirin. Frazer CE, et al. **Br J Pharmacol** 1987 May;91(1):251–6

pH–dependent stimulation by Ca2+ of prostacyclin synthesis in rat aortic rings: effects of drugs and inorganic ions. Ritter JM, et al. **Br J Pharmacol** 1987 Jun;91(2):439–46

Decreased prostacyclin biosynthesis preceding the clinical manifestation of pregnancy–induced hypertension. Fitzgerald DJ, et al. **Circulation** 1987 May;75(5):956–63

Regulation of prostacyclin generation by angiotensin converting enzyme related substances in cultured human vascular endothelial cells. Nakagawa M, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):405–8

Effects of sulindac on renal and extrarenal eicosanoid synthesis. Cibattoni G, et al. **Clin Pharmacol Ther** 1987 Apr; 41(4):380–3

Serum stimulation of prostacyclin synthesis in aortically, venously and microvascularly derived endothelial cells. Snopko R, et al. **Clin Physiol Biochem** 1987;5(2):70–6

Nicotine does not cause 'bronchitis' in the rat [letter] Jeremy JY, et al. **Clin Sci** 1986 Sep;71(3):335

The effect of cigarette smoke and diabetes mellitus on muscarinic stimulation of prostacyclin synthesis by the rat penis. Jeremy JY, et al. **Diabetes Res** 1986 Nov;3(9):467–9

Inhibition by aspirin of the stimulated PGI2 synthesis after administration of kallikrein to hypertensive patients (new aspects of chemical pathogeny concerning the messenger systems: A and C). Belloiu DD, et al. **Endocrinologie** 1987 Apr–Jun;25(2):107–13

Prostacyclin production by isolated rat adipocytes: evidence for cyclic adenosine 3',5'–monophosphate–dependent and independent mechanisms and for a selective effect of insulin. Axelrod L, et al. **Endocrinology** 1986 Nov; 119(5):2233–9

PAF–acether–induced synthesis of prostacyclin by human endothelial cells. D'Humières S, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):13–9

The role of the diacylglycerol–protein kinase C system in mediating adrenoceptor–prostacyclin synthesis coupling in the rat aorta. Jeremy JY, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):311–6

Characteristics of the P2 purinoceptor that mediates prostacyclin production by pig aortic endothelial cells. Needham L, et al. **Eur J Pharmacol** 1987 Feb 10; 134(2):199–209

Systemic synthesis of prostaglandin I2 following sustained infusion of angiotensin II in conscious dogs. Watson ML, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):9–16

Effect of nicotine on prostacyclin formation in human endocardium in vitro. Alster P, et al. **Gen Pharmacol** 1986; 17(4):441–4

Reduced serum–stimulatory activity on prostacyclin production by cultured aortic endothelial cells in diabetes mellitus. Inoguchi T, et al. **Haemostasis** 1986;16(6):447–52

Effect of single–dose aspirin on TXA2 and PGI2 cyclooxygenases in vivo. Zaragoza R, et al. **Haemostasis** 1987;17(1–2):40–8

Prostaglandins in the semicircular canal of the frog. Ferrary E, et al. **Hear Res** 1987;26(2):139–44

Immunohistochemical distribution of renal prostaglandin endoperoxide synthase and prostacyclin synthase: diminished endoperoxide synthase in the hepatorenal syndrome. Govindarajan S, et al. **Hepatology** 1987 Jul–Aug; 7(4):654–9

Correlation between thrombin–induced prostacyclin production and inositol trisphosphate and cytosolic free calcium levels in cultured human endothelial cells. Jaffe EA, et al. **J Biol Chem** 1987 Jun 25;262(18):8557–65

Renal prostacyclin and thromboxane in normotensive and preeclamptic pregnant women and their infants. Ylikorkala O, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1307–12

Induction of prostacyclin biosynthesis is closely associated with increased guanosine 3',5'–cyclic monophosphate accumulation in cultured human endothelium. Brotherton AF. **J Clin Invest** 1986 Nov;78(5):1253–60

Interaction between lymphocytes and platelets in the synthesis of prostacyclin. Wu KK, et al. **J Clin Invest** 1987 Jun;79(6):1601–6

Renal prostaglandins and phospholipase A2 in spontaneously hypertensive rats. Kawaguchi H, et al. **J Hypertens** 1987 Jun;5(3):299–304

Prostaglandin synthesis and release by subpopulations of rat alveolar macrophages. Chandler DB, et al. **J Immunol** 1987 Aug 1;139(3):893–8

Absence of plasma prostacyclin stimulating activity deficiency in hemolytic uremic syndrome. Schlegel N, et al. **J Pediatr** 1987 Jul;111(1):71–7

Acute and chronic effects of ethanol and its metabolites on vascular production of prostacyclin in rats. Guivernau M, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):59–64

Leukotriene D4 receptor–mediated synthesis and release of arachidonic acid metabolites in guinea pig lung: induction of thromboxane and prostacyclin biosynthesis by leukotriene D4. Mong S, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):63–70

Prostacyclin production by the heart: effect of nicotine and carbon monoxide. Effeney DJ. **J Vasc Surg** 1987 Feb; 5(2):237–47

Why a little aspirin is better than a lot [news] Merz B. **JAMA** 1987 Apr 24;257(16):2135

A decrease in plasma factor which stimulates prostaglandin I2 synthesis in patients with acute myocardial infarction. Uchida Y, et al. **Jpn Heart J** 1986 Nov;27(6):839–48

Converting enzyme inhibitor ramipril stimulates prostacyclin synthesis by isolated rat aorta: evidence for a kinin–dependent mechanism. Scherf H, et al. **Klin Wochenschr** 1986 Aug 15;64(16):742–5

Deficient prostacyclin formation after acute myocardial infarction [letter] Gréen K, et al. **Lancet** 1987 May 2; 1(8540):1037–8

Correlation among endothelial cell shape, F–actin arrangement, and prostacyclin synthesis. Dubose DA, et al. **Life Sci** 1987 Feb 2;40(5):447–53

Effects of calcium and parathyroid hormone on prostacyclin synthesis by vascular tissue. Lopez–Jaramillo P, et al. **Life Sci** 1987 Mar 9;40(10):983–6

Effect of inhibition of Na+–K+ ATPase on the prostacyclin generation of cultured human vascular endothelial cells. Nakagawa M, et al. **Life Sci** 1987 Jan 26;40(4):351–7

Enhanced prostaglandin I2–formation of human lymphatics during pulsatile perfusion. Sinzinger H, et al. **Lymphology** 1986 Dec;19(4):153–6

Carbon dioxide inhalation therapy for anxiety: effectiveness due to increased prostacyclin and decreased thromboxane biosynthesis? Re–evaluation of a neglected technique. Backon J. **Med Hypotheses** 1986 Aug;20(4):351–6

Fasting and diabetes mellitus elicit opposite effects on agonist–stimulated prostacyclin synthesis by the rat aorta. Jeremy JY, et al. **Metabolism** 1987 Jul;36(7):616–20

Platelet activation in unstable coronary disease. Fitzgerald DJ, et al. **N Engl J Med** 1986 Oct 16;315(16):983–9

Magnetic field provokes the increase of prostacyclin in aorta of rats. Gorczynska E, et al. **Naturwissenschaften** 1986 Nov; 73(11):675–7

Effect of cigarette smoking on plasmatic regulation of vascular prostacyclin in pregnancy and puerperium. Busacca M, et al. **Obstet Gynecol** 1986 Dec;68(6):816–9

Differential regional changes of prostacyclin and thromboxane A2 synthesis in the intestinal tract of the fasted and semistarved rat. Jeremy JY, et al. **Pflugers Arch** 1987 Jan;408(1):68–72

Adenosine triphosphate stimulates inositol phospholipid metabolism and prostacyclin formation in adrenal medullary endothelial cells by means of P2–purinergic receptors. Forsberg EJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5630–4

Biphasic response of intimal prostacyclin production during the development of experimental atherosclerosis. Beetens JR, et al. **Prostaglandins** 1986 Sep;32(3):319–34

Vitamin C increases the prostacyclin production and decreases the vascular lesions in experimental atherosclerosis in rabbits. Beetens JR, et al. **Prostaglandins** 1986 Sep;32(3):335–52

Prostacyclin–stimulating drugs: new prospects. Boeynaems JM, et al. **Prostaglandins** 1986 Jul;32(1):145–9

Prostacyclin production by the bovine aortic smooth muscle. Demolle D, et al. **Prostaglandins** 1986 Jul;32(1):155–9

Effect of taurine on arterial, uterine and cardiac PGI2 and TXA2 synthesis in the rat. el Tahir KE, et al. **Prostaglandins** 1987 Jan;33(1):17–24

Effects of dexamethasone on prostacyclin biosynthesis in rabbit mesothelial cells. Van de Velde VJ, et al. **Prostaglandins** 1986 Aug;32(2):169–78

Selective suppression of platelet thromboxane formation with sparing of vascular prostacyclin synthesis by aqueous extract of garlic in rabbits. Ali M, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):139–46

Prostacyclin synthesis by the corpora cavernosa of the human penis: evidence for muscarinic control and pathological implications. Jeremy JY, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):211–6

Susceptibility of diabetic rat aorta to self–deactivation during prostacyclin synthesis. Kawamura K, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):1–13

Production of prostaglandins I2, E2 and F2 alpha by blood vessels of normotensive and hypertensive, male and female rats. Lennon EA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):71–89

Prostacyclin formation around human abdominal aortic ostia. Popovic R, et al. **Prostaglandins Leukotrienes Med** 1986 Nov;25(1):53–63

Prostacyclin synthesis stimulating plasma factor in coronary heart disease. Sinzinger H, et al. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):15–25

Effects of selenium, vitamin E and vitamin C on human prostacyclin and thromboxane synthesis in vitro. Toivanen JL. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):265–80

Synthetic arterial grafts cause prolonged increase in the in vivo formation of thromboxane and prostacyclin in humans. Vesterqvist O, et al. **Res Exp Med (Berl)** 1987;187(3):175–84

Differential effects of oral low–dose aspirin on prostacyclin synthesis by saphenous or mesenteric venous tissues [letter] de Gaetano G, et al. **Thromb Haemost** 1986 Aug 20; 56(1):110

PGI3 production from eicosapentaenoic acid in 3T3 fibroblast cells and cultured bovine pulmonary artery endothelial cells. Takahata K, et al. **Thromb Res** 1987 Mar 1;45(5):581–9

Platelet–derived growth factor and prostacyclin in kidney transplant rejection. Sinzinger H, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):102–7

Mechanism of action of cyclosporine in preventing cardiac allograft rejection. II. Graft tissue levels of prostacyclin and thromboxane. Fan TP, et al. **Transplantation** 1987 Mar; 43(3):343–5

[Effect of 3,4–dihydroxyacetophenone on the generation of PGI2–like substances in the rat aorta] Wang Z, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):37–40 (Eng. Abstr.) (Chi)

[Changes in the adaptive cytoprotection and its relation to endogenous prostaglandins in rats with gastric mucosal atrophy] Wang JY, et al. **Sheng Li Hsueh Pao** 1987 Feb; 39(1):10–8 (Eng. Abstr.) (Chi)

[Prostacyclin– and thromboxane synthesis in the vascular wall after gammatron irradiation] Sinzinger H, et al. **Strahlenther Onkol** 1986 Sep;162(9):592–5 (Eng. Abstr.) (Ger)

[Plasma factors influencing prostacyclin–like activity in diabetic microangiopathies] Túri S, et al. **Orv Hetil** 1987

Jun 21;128(25):1311–5 (Eng. Abstr.) (Hun)
[A study on the activity of the PGI2 producing enzyme system derived from maternal and fetal vessels of toxemia of pregnancies] Seki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jun;39(6):905–10 (Eng. Abstr.) (Jpn)
[Kinetic model of a multienzyme system of blood prostanoid synthesis. II. Dynamic responses to pharmacological agents—inhibitors of prostaglandin H synthetases] Varfolomeev SD, et al. **Mol Biol (Mosk)** 1986 Jul–Aug; 20(4):968–73 (Eng. Abstr.) (Rus)
[Kinetic model of a multienzyme system of blood prostanoid synthesis. I. Mechanism of stabilization of thromboxane and prostacyclin levels] Varfolomeev SD, et al. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):957–67 (Eng. Abstr.) (Rus)
[Production of prostacyclin and endothelium-derived relaxing factor from endothelial cells] Moncada S. **Rev Clin Esp** 1986 Oct;179(6):323–8 (Spa)

BLOOD

Prostacyclin in (extracted) plasma of essential hypertensives. Sundar S. **Acta Cardiol (Brux)** 1987;42(2):135–9
Physical activity and prostanoids. Rauramaa R. **Acta Med Scand [Suppl]** 1986;711:137–42 (39 ref.)
Prostacyclin in systemic lupus and anticardiolipin syndrome [letter] Asherson RA, et al. **Ann Rheum Dis** 1987 May; 46(5):422–3
Stabilization mechanism of prostacyclin by human serum: an approach by binding kinetics using a stable prostaglandin I2 analogue, iloprost. Tsai AL, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):67–74
Prostacyclin and thromboxane A2 in septic shock: species differences. Yellin SA, et al. **Circ Shock** 1986;20(4):291–7
Prostacyclin in the circulation of patients with vascular disorders undergoing surgery [letter] Jeremy JY, et al. **Clin Sci** 1987 Jul;73(1):127
Prostacyclin in the circulation of patients with vascular disorders undergoing surgery. Ritter JM, et al. **Clin Sci** 1986 Dec;71(6):743–7
Plasma thromboxane and prostacyclin: comparison during normal pregnancy and pregnancy complicated by hypertension. Ogino M, et al. **Endocrinol Jpn** 1986 Apr; 33(2):197–202
Profiles of endogenous prostaglandin F2 alpha, thromboxane A2 and prostacyclin with regard to cardiovascular and organ functions in early septic shock in man. Oettinger W, et al. **Eur Surg Res** 1987;19(2):65–77
Cyclo-oxygenase products mediate hypoxic pulmonary hypertension. Alexander F, et al. **J Pediatr Surg** 1986 Dec; 21(12):1101–7
Prostacyclin and thromboxane in acute hemorrhagic pancreatitis in dogs. Kiviniemi H, et al. **J Surg Res** 1987 Mar;42(3):232–6
Serum PGI2-regulating factors in acute myocardial infarction. Yui Y, et al. **Jpn Circ J** 1987 Apr;51(4):462–4
Thromboxane and prostacyclin in acute lung injury caused by venous air emboli in unanesthetized sheep. Bonsignore MR, et al. **Microcirc Endothelium Lymphatics** 1986; 3(2):187–212
Regulation of microvascular prostacyclin and thromboxane with inhibitors of arachidonic acid metabolism. Knight KR, et al. **Prostaglandins** 1987 Mar;33(3):445–57
Effects of heparin on prostacyclin binding and platelet adenylate cyclase activity stimulated by iloprost and forskolin. Jaschonek K, et al. **Prostaglandins Leukotrienes Med** 1986 Oct;24(2–3):199–206
Reevaluation of circulating prostacyclin and thromboxane in diabetes. Kazama Y, et al. **Prostaglandins Leukotrienes Med** 1987 Feb;26(2):115–22
Circulating prostacyclin and thromboxane in patients with Graves' disease. Kazama Y, et al. **Prostaglandins Leukotrienes Med** 1987 Jan;26(1):75–84
Free fatty acids and platelet prostacyclin binding [letter] Jaschonek K, et al. **Thromb Haemost** 1986 Dec 15;56(3):417
Prostacyclin, thromboxane and prostaglandin F2 alpha; plasma levels in breast cancer. Vergote I, et al. **Tumour Biol** 1986;7(5–6):407–10
Absence of circulating PGI2 response to bubble-provoking decompression [letter] Cross MR, et al. **Undersea Biomed Res** 1987 Jul;14(4):371–2
[Changes in blood coagulation, thrombocyte function and vascular prostacyclin synthesis caused by magnesium sulfate] Briel RC, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):332–6 (Eng. Abstr.) (Ger)
[Eicosanoids and peripheral occlusive disease] Sinzinger H. **Verh Dtsch Ges Inn Med** 1986;92:619–22 (Ger)
[Changes in the prostacyclin-thromboxane system at the early stages of arterial hypertension] Dias RT. **Vrach Delo** 1987 Mar;(3):38–9 (Rus)
[Effect of erythrocytes on the stability of prostacyclin in healthy subjects and patients with cerebral dyshemias] Gabrielian ES, et al. **Zh Nevropatol Psikhiatr** 1986; 86(9):1340–3 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Synthesis of a highly potent analogue of prostacyclin, (–)-5-methyleneisocarbacyclin. Amemiya S, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4403–5
A stereoselective synthesis of a stable prostacyclin analogue; dl-3-oxa-9(O)-methano-delta 6(9 alpha)-prostaglandin I. Kojima K, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):948–56
The synthesis of benzindene prostacyclin analogs as potential antiulcer agents. Alexander DL, et al. **Prostaglandins** 1986 Nov;32(5):647–53

DIAGNOSTIC USE

[Identification of the severity of coronary lesions by exercise electrocardiography: use of the ST–T segment/heart rate ratio during infusion of prostacyclin] Borghi A, et al. **Cardiologia** 1987 Jun;32(6):545–51 (Eng. Abstr.) (Ita)
[Thrombocyte sensitivity to prostacyclin in myocardial infarct complicated by acute left ventricular failure] Malaia LT, et al. **Kardiologiia** 1987 Feb;27(2):25–8 (Eng. Abstr.) (Rus)

METABOLISM

Renal degradation and distribution between urinary and venous output of prostaglandins E2 and I2. Bugge JF, et al. **Acta Physiol Scand** 1987 Jul;130(3):467–74
The effect of cigarette smoke on gastroduodenal mucosal endogenous prostacyclin level (experimental and clinical observations). Balint GA, et al. **Agents Actions** 1986 Nov; 19(3–4):224–7
Eicosanoids of platelets and vascular wall in chronic renal insufficiency. Sinzinger H, et al. **Am J Nephrol** 1987; 7(3):212–20
Vascular effects of infused adenosine are not mediated by prostacyclin release in humans. Nowak J, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H598–604
The influence of oral hypoglycaemic sulfonyl ureas on prostacyclin release by the rat thoracic aorta. el Tahir KE, et al. **Arch Int Pharmacodyn Ther** 1986 Sep;283(1):134–40
Nitrendipine-stimulated release of prostacyclin-like substance in normal and atherosclerotic animals. Grodzińska L, et al. **Arzneimittelforschung** 1987 Apr; 37(4):412–5
Effect of etofylline clofibrate on experimental thrombus formation and prostacyclin activation. Metz G, et al. **Arzneimittelforschung** 1986 Sep;36(9):1363–5
Long-term saturated fat supplementation in the rat causes an increase in PGI2/TXB2 ratio of platelet and vessel wall compared to n-3 and n-6 dietary fatty acids. Abeywardena MY, et al. **Atherosclerosis** 1987 Aug;66(3):181–9
The role of the prostacyclin–thromboxane system in the genesis of coronary spasm. Chierchia S. **Bibl Cardiol** 1985; (39):135–8
Effect of lipopolysaccharides on cultured human endothelial cells. Relationship between tissue factor activity and prostacyclin release. Delvos U, et al. **Blut** 1987 Aug; 55(2):101–8
Prostacyclin and thromboxane in benign and malignant breast tumours. Lackeman GM, et al. **Br J Cancer** 1986 Sep; 54(3):431–7
Effect of dietary cholesterol on the release of prostacyclin from the mesenteric vascular bed in diabetic rat. Fujii K, et al. **Diabete Metab** 1987 Apr;13(2):87–91
Effect of cyclandelate on prostacyclin release and cytosolic free calcium concentrations in human endothelial cells. van Hinsbergh VW. **Drugs** 1987;33 Suppl 2:60–6
Prostaglandins in breast milk. Friedman Z. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):285–91
5-Hydroxytryptamine stimulates the release of prostacyclin but not thromboxane A2 from isolated rat dental pulp. Hirafuji M, et al. **Eur J Pharmacol** 1987 Apr 29; 136(3):433–6
Effects of acute pressure overload on prostacyclin release and myocardial blood flow in canine hearts: inhibition of prostacyclin synthesis with 15-hydroperoxy-eicosatetraenoic acid. Imaizumi M, et al. **Heart Vessels** 1987;3(1):14–20
Purification and properties of prostaglandin E1/prostacyclin receptor of human blood platelets. Dutta-Roy AK, et al. **J Biol Chem** 1987 Sep 15;262(26):12685–91
Cardiac release of prostacyclin and thromboxane A2 during coronary revascularization. Teoh KH, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):120–6
Decreased stability of prostacyclin after acute myocardial infarction [letter] Sinzinger H, et al. **Lancet** 1987 Jul 11; 2(8550):106
Effect of cigarette smoking on plasmatic regulation of vascular prostacyclin in pregnancy and puerperium. Busacca M, et al. **Obstet Gynecol** 1986 Dec;68(6):816–9
The prostacyclin/thromboxane balance is favourably shifted in Greenland Eskimos. Fischer S, et al. **Prostaglandins** 1986 Aug;32(2):235–41
12-Hydroxyeicosatetraenoic acid reduces prostacyclin production by endothelial cells. Hadjiagapiou C, et al. **Prostaglandins** 1986 Jun;31(6):1135–44
Studies on the pharmacokinetics of ZK 96 480, a novel PGI2-mimetic, in rat and cynomolgus monkey. Hildebrand M. **Prostaglandins** 1986 Sep;32(3):425–38
Effect of hypoxia on prostacyclin production in cultured pulmonary artery endothelium. Madden MC, et al. **Prostaglandins** 1986 Jun;31(6):1049–62
Alterations of vascular prostacyclin and thromboxane A2 in Dahl genetical strain susceptible to salt-induced hypertension. Uehara Y, et al. **Prostaglandins** 1987 May; 33(5):727–38
Effects of variable linoleate intake on aortic PGI2-like activity and fatty acid composition: difference between rat and marmoset (Callithrix jacchus). Abeywardena MY, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):209–21
Stability of prostacyclin in human and rabbit whole blood and plasma. Lucas FV, et al. **Thromb Res** 1986 Aug 15; 43(4):379–87
[Thromboxane A2–PGI2 balance and its clinical significance] Zhou YC, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan; 26(1):49–52 (20 ref.) (Chi)
[Prostaglandin F2 alpha, prostacyclin and thromboxane in benign and malignant breast tumors] Vergote I, et al. **Verh K Acad Geneeskd Belg** 1987;49(2):133–76 (Eng. Abstr.) (Dut)
[Effect of benzydamine on release of prostaglandin E2 and prostacyclin from rabbit gastric mucosa cells] Hell M, et al. **Arzneimittelforschung** 1987 May;37(5A):624–5 (Eng. Abstr.) (Ger)
[The release of thromboxane A2 and prostacyclin due to vasoactive agents in hypercholesterolemic rabbits] Takahashi K. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):737–44 (Eng. Abstr.) (Jpn)
[Stenocardia. Thromboxane A2 and prostacyclin] Panchenko EP. **Kardiologiia** 1986 Jul;26(7):109–16 (98 ref.) (Rus)
[The prostacyclin–thromboxane A2 system in ischemic heart disease] Pavlov NA. **Sov Med** 1987;(2):36–9 (75 ref.) (Rus)

PHARMACODYNAMICS

A role of prostaglandin I2 in hypoxia-induced increase in coronary flow in the perfused rat heart. Araki R, et al. **Adv Exp Med Biol** 1986;200:323–31
Effects of plasma on the platelet antiaggregatory action of prostacyclin in pregnancy. Baker VV, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):974–7
Cyclooxygenase inhibition reduces placental transfer: reversal by carbacyclin. Kuhn DC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):194–8
Platelet resistance to prostacyclin. Enhancement of the antiaggregatory effect of prostacyclin by pentoxifylline. Manrique RV, et al. **Angiology** 1987 Feb;38(2 Pt 1):101–8
Effects of prostaglandin E2 and I2 on renal cortical and medullary blood flow in rabbits. Yoshida M, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):108–17
Agents that increase cellular cyclic AMP inhibit proliferative activity and decrease lipid content in cells cultured from atherosclerotic human aorta. Tertov VV, et al. **Artery** 1986; 13(6):365–72
Influence on platelet activity and red cell fluidity of epoprostenol and two stable prostacyclin analogues in vitro. Maurin N. **Arzneimittelforschung** 1986 Aug; 36(8):1180–3
Experiments on the mode of action of piriprost (U-60,257), an inhibitor of leukotriene formation in cloned mouse mast cells and in rat basophil leukemia cells. Bach MK, et al. **Biochem Pharmacol** 1987 May 1;36(9):1461–6
Synergistic inhibition of platelet activation by plasmin and prostaglandin I2. Schafer AI, et al. **Blood** 1987 May; 69(5):1504–7
Clinical experience with transfusion of leukocyte-poor platelet concentrates prepared by filtration with prostacyclin. van Prooijen HC, et al. **Blood** 1987 Jul; 70(1):243–6
Effect of prostacyclin on the perfusion pressure and on the vasoconstrictor response of angiotensin II in the human isolated foetal placental circulation. Soares de Moura R. **Br J Clin Pharmacol** 1987 Jun;23(6):765–8
Interactions between prostacyclin analogue ZK 36374 and heparin in their effects upon platelet function. Yardumian DA, et al. **Br J Haematol** 1987 Mar;65(3):325–30
Vasodilator actions of TRK-100, a new prostaglandin I2 analogue. Akiba T, et al. **Br J Pharmacol** 1986 Dec; 89(4):703–11
(5Z)-carbacyclin discriminates between prostacyclin-receptors coupled to adenylate cyclase in vascular smooth muscle and platelets. Corsini A, et al. **Br J Pharmacol** 1987 Jan;90(1):255–61
Haemodynamic, gasometric and haematological effects of air infusion in dogs: leukotriene inhibition with U-60,257. Domb M, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug; 22(4):375–80
Iloprost inhibits neutrophil function in vitro and in vivo and limits experimental infarct size in canine heart. Simpson PJ, et al. **Circ Res** 1987 May;60(5):666–73
Vascular sensitivity to prostaglandin I2 and urinary excretion of 6-keto-prostaglandin F1 alpha in conscious dogs. Jones RL, et al. **Clin Sci** 1986 Nov;71(5):527–32
The contribution of PGI2 to the effects of captopril in conscious dogs in differing states of sodium balance. Watson ML, et al. **Clin Sci** 1986 Nov;71(5):533–8
Increased platelet malondialdehyde, but normal platelet sensitivity to adenosine-5-diphosphate and prostacyclin in well-controlled type 1 diabetics without vascular complications. Gisinger C, et al. **Diabetes Res** 1986 Oct; 3(8):401–5
Interaction between leukotriene D4 and adenosine or iloprost in the isolated working guinea-pig heart: prevention of the leukotriene D4 effect. Björnsson OG, et al. **Eur J Clin Invest** 1987 Apr;17(2):146–55
Elevation of cyclic AMP by prostacyclin is accompanied by relaxation of bovine coronary arteries and contraction of rabbit aortic rings. Vegesna RV, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):25–31

The putative prostacyclin receptor antagonist (FCE-22176) is a full agonist on human platelets and NCB-20 cells. Wilkins AJ, et al. **Eur J Pharmacol** 1986 Aug 7; 127(1-2):117-9

Experimental study of argon laser-induced microthrombosis during PGI2 infusion. Boncinelli S, et al. **Eur Surg Res** 1987;19(3):171-7

PGI2 and PGE1 induce morphological alterations in human platelets similar to those of the initial phase of activation. Zilla P, et al. **Exp Hematol** 1987 Aug;15(7):741-9

Ultrastructure of liver in acute experimental pancreatitis in dogs treated with prostacyclin. Andrzejewska A, et al. **Exp Pathol** 1987;31(1):25-31

Prostacyclin is a more potent stimulator of thrombolysis than inhibitor of haemostasis. Görög P, et al. **Haemostasis** 1986; 16(5):337-45

Comparison of inhibitory actions of prostacyclin and a new prostacyclin analogue on the aggregation of human platelet in whole blood. Saniabadi AR, et al. **Haemostasis** 1987; 17(3):147-53

Prostacyclin stimulation of adenylate cyclase activity in human thyroid membranes. Kasai K, et al. **Horm Metab Res** 1986 Sep;18(9):625-9

The inhibitory role of 12- and 15-lipoxygenase products on renin release. Antonipillai I, et al. **Hypertension** 1987 Jul; 10(1):61-6

Inhibition of tumor cell induced platelet aggregation by prostacyclin and carbacyclin: an ultrastructural study. Menter DG, et al. **Invasion Metastasis** 1987;7(2):109-28

Role of luteal prostaglandins in the control of bovine corpus luteum functions. Milvae RA. **J Anim Sci** 1986;62 Suppl 2:72-8

Effects of prostaglandin F2 alpha and prostacyclin on pulmonary microcirculation in the cat. Sada K, et al. **J Appl Physiol** 1987 Mar;62(3):1124-32

Cardiovascular actions in vitro and cardioprotective effects in vivo of nileprost, a mixed type PGI2/PGE2 agonist. Darius H, et al. **J Cardiovasc Pharmacol** 1987 Aug; 10(2):144-52

Age dependent heart rate responses to prostacyclin (PGI2) in unanaesthetized fetal and neonatal sheep. Scroop GC, et al. **J Dev Physiol** 1986 Aug;8(4):283-95

Effect of a synthetic prostacyclin analogue on renin release in man. Lee FO, et al. **J Hypertens [Suppl]** 1986 Dec; 4(5):S10-3

Comparison of equimolar concentrations of iloprost, prostacyclin, and prostaglandin E1 on human platelet function. Fisher CA, et al. **J Lab Clin Med** 1987 Feb; 109(2):184-90

Protective actions of a stable prostacyclin analog in ischemia induced membrane damage in rat myocardium. Darius H, et al. **J Mol Cell Cardiol** 1987 Mar;19(3):243-50

Effect of prostacyclin on the severity of ischaemic injury in rabbit hearts subjected to coronary ligation. Edlund A, et al. **J Mol Cell Cardiol** 1986 Oct;18(10):1067-76

Zinc deficiency in rats reduces the vasodilation response to bradykinin and prostacyclin. Browning JD, et al. **J Nutr** 1987 Mar;117(3):490-5

Concentration-dependent effects of prostacyclin on the response of the isolated guinea pig heart to ischemia and reperfusion: possible involvement of the slow inward current. Moffat MP. **J Pharmacol Exp Ther** 1987 Jul; 242(1):292-9

Comparison of the effects of a thromboxane synthase inhibitor or prostacyclin in combination with a phosphodiesterase inhibitor for prevention of experimental thrombosis and sudden death in rabbits. Smith EF 3d, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):855-60

Role of the vascular endothelium in the contractile response to prostacyclin in the isolated rat aorta. Van Dam J, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):390-4

Inhibition by prostacyclin of the tumor cell-induced platelet release reaction and platelet aggregation. Menter DG, et al. **JNCI** 1987 May;78(5):961-9

Actions of prostaglandin I2 and thromboxane A2 on vascular smooth muscle tissues. Domae M, et al. **Jpn Circ J** 1987 Apr;51(4):440-4

Antithrombotic effect of TRK-100, a novel, stable PGI2 analogue. Umetsu T, et al. **Jpn J Pharmacol** 1987 Jan; 43(1):81-90

Per-operative topical administration of ZK 36 374 (Iloprost) acts favorably on patency of small artery anastomoses in rats. Kort WJ, et al. **Microsurgery** 1987;8(1):17-21

The effects of vasodilation with prostacyclin on oxygen delivery and uptake in critically ill patients. Bihari D, et al. **N Engl J Med** 1987 Aug 13;317(7):397-403

Depression and excitation induced in mice by two geometric isomers of (+)13,14-didehydro-20-methyl-carboprostacyclin, FCE 22177 and FCE 22176. Comparison with effects on blood pressure and platelet aggregation. Caparrotta L, et al. **Prostaglandins** 1987 Mar;33(3):351-62

Cardioprotective effect of prostacyclin and 7-oxo-PGI2 in rats against chronic isoproterenol damage. Körmöczy PS, et al. **Prostaglandins** 1987 Apr;33(4):505-16

The effect of intrauterine administration of prostacyclin on the contractility of the non-pregnant uterus in vivo. Lumsden MA, et al. **Prostaglandins** 1986 Jun;31(6):1011-22

Marked enhancement in antithrombotic activity of isocarbacyclin following its incorporation into lipid microspheres. Mizushima Y, et al. **Prostaglandins** 1987 Feb; 33(2):161-8

The lack of involvement of central nervous system in the antiarrhythmic effects of prostaglandins E2, F2 alpha, and I2 in cat. Rao TS, et al. **Prostaglandins** 1987 Mar; 33(3):339-50

Prostacyclin as neuromodulator in the sympathetically stimulated rabbit heart. Wennmalm M, et al. **Prostaglandins** 1987 May;33(5):675-91

Formation of prostacyclin-sensitive platelet aggregates in human whole blood in vitro. Part I. The occurrence of the phenomenon in healthy male volunteers. Splawinska B, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):119-24

Formation of prostacyclin-sensitive platelet aggregates in human whole blood in vitro. Part II. The occurrence of the phenomenon in males suffering from acute myocardial infarction. Splawinska B, et al. **Scand J Clin Lab Invest** 1987 Apr;47(2):125-30

Distinction between responsiveness of macrophages to cyclic-AMP elevation by prostaglandin E2 and prostacyclin. Bonta IL, et al. **Scand J Rheumatol [Suppl]** 1981;40:58-61

Indomethacin, prostacyclin, and heparin improve postischemic cerebral blood flow without affecting early postischemic granulocyte accumulation. Kochanek PM, et al. **Stroke** 1987 May-Jun;18(3):634-7

In vivo measurement of the disaggregatory action of prostacyclin. A methodological study. Hermán F, et al. **Thromb Res** 1986 Dec 1;44(5):575-85

Mechanism of the cytoprotective effect of prostaglandin I2 and its analogue in human platelets. Kambayashi J, et al. **Thromb Res** 1986 Nov 15;44(4):439-44

Dose-related stimulation of platelet cyclic adenosine monophosphate by prostacyclin in thrombotic stroke. Pettigrew C, et al. **Thromb Res** 1987 Mar 1;45(5):669-74

The effect of prostacyclin infusion on tissue plasminogen activator. Winther K, et al. **Thromb Res** 1987 Jun 1; 46(5):741-5

Relative insensitivity of epinephrine induced platelet aggregation to prostacyclin. Zahavi M, et al. **Thromb Res** 1986 Oct 1;44(1):119-24

Protective effect of prostaglandin I2 on hepatic mitochondrial function of the preserved rat liver. Okabe K, et al. **Tohoku J Exp Med** 1986 Dec;150(4):373-9

[Effects of iloprost on circulation at rest and metabolism in the extremities of healthy probands in relation to dose and mode of administration] Rexroth W, et al. **Vasa** 1987; 16(1):72-6 (Eng. Abstr.) **(Ger)**

[Effect of iloprost on aggregation behavior in kidney conditioning and changes in iloprost concentration in kidney preservation] Rebmann U, et al. **Z Urol Nephrol** 1986 Dec;79(12):733-8 (Eng. Abstr.) **(Ger)**

[Plasma factors influencing prostacyclin-like activity in diabetic microangiopathies] Túri S, et al. **Orv Hetil** 1987 Jun 21;128(25):1311-5 (Eng. Abstr.) **(Hun)**

[Study on therapy with prostaglandins in choroidal vascular disorders. I. Effect of prostaglandin I2 on choroidal circulation] Tsuji T. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1289-94 (Eng. Abstr.) **(Jpn)**

[Role of blood flow in acute gastric lesion after hepatectomy and effect of prostaglandin I2 and H2-receptor antagonist] Kii E. **Nippon Geka Gakkai Zasshi** 1986 Oct; 87(10):1293-302 (Eng. Abstr.) **(Jpn)**

[A basic study of the oxytocic effect of prostacyclin on the uterine muscle in pregnant rats] Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1722-6 (Eng. Abstr.) **(Jpn)**

[Effect of prostacyclin on the cerebral vessels and its pharmacological modification] Gabrielian ES, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):717-9 (Eng. Abstr.) **(Rus)**

[Role of biomechanical properties of blood vessels in the development of vasodilatation] Akopov SE, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):803-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyclooxygenase inhibition reduces placental transfer: reversal by carbacyclin. Kuhn DC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):194-8

Lipid mediators in the control of the ductus arteriosus. Olley PM, et al. **Am Rev Respir Dis** 1987 Jul;136(1):218-9

Prostaglandin endoperoxide analogues which are both thromboxane receptor antagonists and prostacyclin mimetics. Armstrong RA, et al. **Br J Pharmacol** 1986 Mar; 87(3):543-51

Feedback control of arterial smooth muscle tone: the role of prostacyclin. Hadházy P, et al. **Br J Pharmacol** 1986 Dec;89(4):861-3

Maintenance of cerebral circulation during hemorrhagic hypotension in newborn pigs: role of prostanoids. Leffler CW, et al. **Circ Res** 1986 Nov;59(5):562-7

Role of platelet and vascular eicosanoids in the pathophysiology of ischemic heart disease. Chierchia S, et al. **Fed Proc** 1987 Jan;46(1):81-8 (45 ref.)

Evidence that prostacyclin mediates the vascular action of magnesium in humans. Nadler JL, et al. **Hypertension** 1987 Apr;9(4):379-83

Jogging causes a significant increase in platelet sensitivity to prostacyclin. Sinzinger H, et al. **Int J Sports Med** 1986 Dec;7(6):338-41

Thromboxane A2 and prostacyclin do not modulate pulmonary hemodynamics during exercise in sheep. Newman JH, et al. **J Appl Physiol** 1986 Nov;61(5):1706-11

Cardiovascular actions in vitro and cardioprotective effects in vivo of nileprost, a mixed type PGI2/PGE2 agonist. Darius H, et al. **J Cardiovasc Pharmacol** 1987 Aug; 10(2):144-52

Hyperoxic lung injury in mice: a possible protective role for prostacyclin. Smith LJ, et al. **J Lab Clin Med** 1986 Nov; 108(5):479-88

Heterologous regulations of cAMP responses in pregnant rat myometrium. Evolution from a stimulatory to an inhibitory prostaglandin E2 and prostacyclin effect. Tanfin Z, et al. **Mol Pharmacol** 1987 Aug;32(1):249-57

Effects of prostaglandin I2 synthesized in the endothelium and in the smooth muscle on mechanical properties of the canine thoracic aorta. Domae M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):294-302

Prostacyclin in thrombotic microangiopathy. Remuzzi G, et al. **Semin Hematol** 1987 Apr;24(2):110-8 (87 ref.)

[Pre-eclampsia and prostacyclins (on the pathogenesis of pre-eclampsia)] Katsulov A. **Akush Ginekol (Sofiia)** 1987; 26(2):63-71 (35 ref.) **(Bul)**

[Pathophysiology and treatment of thrombosis. 3. Prevention and treatment of thrombosis. (1) The role of intracoronary thrombi, platelet function and prostaglandins in the pathogenesis of myocardial infarction; with special reference to intracoronary thrombolysis treatment] Kawai C, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):43-8 (11 ref.) **(Jpn)**

[Functional properties of thrombocytes and the antiaggregative activity of the vascular wall in healthy persons in various seasons of the year] Mishchenko VP, et al. **Gematol Transfuziol** 1986 Aug;31(8):43-6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Irradiation depresses prostacyclin generation upon stimulation with the platelet-derived growth factor. Sinzinger H, et al. **Br J Radiol** 1985 Oct;58(694):1023-6

SECRETION

Primary and myoma-associated menorrhagia: role of prostaglandins and effects of ibuprofen. Mäkäräinen L, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):974-8

Histamine releases PGI2 from human pulmonary artery. Schellenberg RR, et al. **Prostaglandins** 1986 Aug; 32(2):201-9

THERAPEUTIC USE

Beneficial effect of treatment with a prostacyclin analogue in severe peripheral atherosclerosis. A case report. Risberg B, et al. **Acta Chir Scand** 1986 Jun-Jul;152:477-8

Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation. Simpson PJ, et al. **Am Heart J** 1987 Jan;113(1):129-37

Vasodilator therapy with a new stable prostacyclin analog, OP-41483, for congestive heart failure due to coronary artery disease and comparison of hemodynamic effects and platelet aggregation with nitroprusside. Yui Y, et al. **Am J Cardiol** 1986 Nov 1;58(10):1042-5

Modification of pulmonary hypertension secondary to congenital heart disease by prostacyclin therapy. Bush A, et al. **Am Rev Respir Dis** 1987 Sep;136(3):767-9

The place of prostacyclin in the clinical management of primary pulmonary hypertension. Higenbottam T. **Am Rev Respir Dis** 1987 Sep;136(3):782-5

Prostacyclin and PGE1 treatment of pulmonary hypertension. Long WA, et al. **Am Rev Respir Dis** 1987 Sep;136(3):773-6 (89 ref.)

Effect of a stable prostacyclin analogue on canine renal allograft rejection. Tobimatsu M, et al. **Ann Surg** 1987 Feb; 205(2):199-202

Thromboxane A2 inhibitors and iloprost prevent angiotensin II-induced oedema in the isolated perfused rat lung. Türker RK, et al. **Arch Int Pharmacodyn Ther** 1987 Jun; 287(2):323-9

Intra-arterial carbacyclin infusion inhibits canine platelet deposition on PTFE grafts. Boorstein JM, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):360-2

Carbacyclin derivative (CS-570). A new anticoagulant for hemodialysis. Suzuki T, et al. **ASAIO Trans** 1986 Jul-Sep; 32(1):291-6

Application of a prostacyclin analogue (PG) and protease inhibitor (FUT) as anticoagulants with an LVAD system. Takahama T, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):253-7

Treatment of primary pulmonary hypertension intravenous epoprostenol (prostacyclin). Jones DK, et al. **Br Heart J** 1987 Mar;57(3):270-8

Pulmonary hypertension [letter] Higenbottam T, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):705

6-keto-PGF1 alpha levels and prostacyclin therapy in 2 adult patients with hemolytic-uremic syndrome. Hautekeete ML, et al. **Clin Nephrol** 1986 Sep;26(3):157-9

Central haemodynamic and antiplatelet effects of iloprost—a new prostacyclin analogue—in acute myocardial infarction in man. Swedberg K, et al. **Eur Heart J** 1987 Apr;8(4):362-8

Iloprost (ZK 36374) prevents angiotensin I conversion in the isolated perfused rat lung against anoxia. Aksulu HE, et al. **Eur J Pharmacol** 1986 Aug 22;128(1-2):67-72

Prostacyclin in patients with peptic gastric ulcers—a placebo controlled study. Dembińska-Kieć A, et al. **Hepatogastroenterology** 1986 Dec;33(6):262-6

Plasma exchange with prostaglandin I2 and ACD solution: comparative effects. Camici M, et al. **Int J Artif Organs** 1986 Nov;9(6):439–42

Iloprost, a stable prostacyclin analog, reduces intraocular pressure. Hoyng PF, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):470–6

ZK 36–374, a stable analog of prostacyclin, prevents acute hypoxic pulmonary hypertension in the dog. Archer SL, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1189–94

Vasodilator properties of prostacyclin after coronary artery bypass surgery. Chelly JE, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):142–7

Prostacyclin reduction of regional ischemic injury in the canine myocardium. Lupinetti FM, et al. **J Surg Res** 1986 Aug;41(2):146–57

A prospective, randomized study of the effects of prostacyclin on neuropsychologic dysfunction after coronary artery operation. Fish KJ, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):609–15

Efficacy of iloprost (ZK36374) versus aspirin in preventing heparin–induced platelet activation during cardiac operations. Kappa JR, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):405–13

Carotid endarterectomy in patients with heparin–induced platelet activation: comparative efficacy of aspirin and iloprost (ZK36374). Kappa JR, et al. **J Vasc Surg** 1987 May;5(5):693–701

Heparin–induced platelet activation in sixteen surgical patients: diagnosis and management. Kappa JR, et al. **J Vasc Surg** 1987 Jan;5(1):101–9

Cytoprotective effect of the prostacyclin derivative iloprost against liver cell death induced by the hepatotoxins carbon tetrachloride and bromobenzene. Bursch W, et al. **Klin Wochenschr** 1986;64 Suppl 7:47–50

Peripheral symmetrical gangrene successfully treated with epoprostenol and tissue plasminogen activator [letter] Denning DW, et al. **Lancet** 1986 Dec 13;2(8520):1401–2

Treatment of acute renal failure, symmetrical peripheral gangrene, and septicaemia with plasma exchange and epoprostenol [letter] Leaker B, et al. **Lancet** 1987 Jan 17; 1(8525):156

Effects of prostacyclin and orally active stable mimetic agent RS–93427–007 on basic mechanisms of atherogenesis [letter] Willis AL, et al. **Lancet** 1986 Sep 20;2(8508):682–3

Prostacyclin and heparin during haemodialysis: comparative effects. Camici M, et al. **Life Support Syst** 1986 Jul–Sep; 4(3):205–9

Prostaglandin E2 and I2 treatment of acute experimental pancreatitis in rats. Olazábal A. **Pancreas** 1986;1(6):529–35

The enzymatic studies of the liver in acute experimental pancreatitis in dogs treated with prostacyclin (PGI2). Długosz J, et al. **Pathol Res Pract** 1987 Feb;182(1):80–6

The use of prostacyclin analogue–containing suture for the prevention of postoperative venous thrombosis in the rat. Eddy CA, et al. **Plast Reconstr Surg** 1986 Oct;78(4):504–12

Efficiency of prostacyclin in rabbit endotoxin shock. Ditter H, et al. **Prog Clin Biol Res** 1987;236A:369–76

Anti–shock properties of the prostacyclin analog, iloprost, in traumatic shock. Levitt MA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):175–85

Absence of myocardial protection with prostacyclin during cardiac arrest. Vincent JL, et al. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):87–92

Prolonged remission in Raynaud's phenomenon after prostacyclin infusion. Bellucci S, et al. **Scand J Rheumatol** 1986;15(4):392–8

Lack of effect of a 24–hour infusion of iloprost in intermittent claudication. Hay CR, et al. **Thromb Res** 1987 Apr 15; 46(2):317–24

Therapeutic effect of antiplatelet agents on obstructive vascular lesions after kidney transplantation with cyclosporine. Teraoka S, et al. **Transplant Proc** 1987 Aug; 19(4 Suppl 5):77–81

[Prostacyclin and other drugs protective against experimental liver damage in rats] Guo SH, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):676–8, 702–3 (Eng. Abstr.) **(Chi)**

[Abolition by iloprost of tachycardia induced by transient myocardial ischemia in non–anesthesized dogs] Rimoldi O, et al. **Cardiologia** 1987 Jan;32(1):77–80 (Eng. Abstr.) **(Ita)**

[Effects of PGI2 analogue (CS–570) in patients with acute myocardial infarction: dose response effects on cardiovascular hemodynamics, plasma prostanoids, catecholamines and cyclic nucleotides] Seino Y, et al. **Kokyu To Junkan** 1987 Mar;35(3):325–30 (Eng. Abstr.) **(Jpn)**

[Inhibition of liver metastasis of hamster pancreatic cancer by intraportal administration of prostaglandins] Kato S, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):505 **(Jpn)**

[Experimental evaluation of prostacyclin for preventing hyperacute rejection in cross–species heterotopic heart transplantation] Kasahara K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):966–71 (Eng. Abstr.) **(Jpn)**

[Use of prostacyclin in patients with stomach ulcer in a double–blind clinical trial] Dembińska–Kieć A, et al. **Pol Tyg Lek** 1986 Dec 22–29;41(51–52):1650–4 (Eng. Abstr.) **(Pol)**

[Treatment of ischemic ulcers of the extremities with intravenous intermittent infusions of prostacycline] Niżankowski R, et al. **Pol Tyg Lek** 1986 Dec 15; 41(50):1582–4 **(Pol)**

[Prostacyclin—its therapeutic safety] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):264 **(Rum)**

URINE

The effect of labetalol on urinary prostacyclin secretion during surgery. Arroyo JL, et al. **Eur J Anaesthesiol** 1986 Jan;3(1):33–7

Comparison of the urinary metabolites of prostacyclin and thromboxane of the 2– and 3–series in a Japanese fishing and a Japanese farming village. Hamazaki T, et al. **Prostaglandins** 1986 Nov;32(5):655–64

Thromboxane and prostacyclin formation in patients with deep vein thrombosis. Vesterqvist O, et al. **Thromb Res** 1987 Feb 15;45(4):393–402

PROSTANOIC ACIDS see under **FATTY ACIDS**

PROSTATE

Ectopic prostatic adenoma in retrovesical space. Yasukawa S, et al. **J Urol** 1987 May;137(5):998–9

Ectopic prostatic glands in bulbar urethra. Immunoperoxidase study. Heyderman E, et al. **Urology** 1987 Jan;29(1):76–7

Endometrial carcinoma of prostate: differentiation with ectopic prostatic tissue in elderly male [letter] Plawner J, et al. **Urology** 1987 Jan;29(1):117–8

ABNORMALITIES

Surgical treatment for enlarged prostatic utricle and vagina masculina in patients with hypospadias. Ikoma F, et al. **Br J Urol** 1986 Aug;58(4):423–8

Large prostatic utricles and related structures, urogenital sinus and other forms of urethrovaginal confluence. Currarino G. **J Urol** 1986 Dec;136(6):1270–9

ANALYSIS

Distribution of keratin protein in normal prostate and prostatic tumors. An immunohistochemical study. Kuwahara T, et al. **Acta Pathol Jpn** 1987 Feb;37(2):339–42

Intraprostatic bactericidal concentrations of Norfloxacin. Denis B, et al. **Acta Urol Belg** 1986;54(3):348–52

High–pressure liquid chromatographic assay of sulbactam in plasma, urine, and tissue. Bawdon RE, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):231–3

Apoptotic amyloid: a study on prostatic amyloidosis with particular reference to corpora amylacea. Battaglia S, et al. **Appl Pathol** 1985;3(1–2):105–14

Production of an antibody to mouse salivary androgen binding protein (ABP) and its use in identifying a prostate protein produced by a gene distinct from Abp. Diouhy SR, et al. **Biochem Genet** 1986 Oct;24(9–10):743–63

Composition and fatty acid content of rat ventral prostate phospholipids. Pulido JA, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):51–5

Heparin binding affinity of rat prostatic growth factor in normal and cancerous prostates: partial purification and characterization of rat prostatic growth factor in the Dunning tumor. Matuo Y, et al. **Cancer Res** 1987 Jan 1; 47(1):188–92

Subcellular concentrations of calcium, zinc, and magnesium in benign nodular hyperplasia of the human prostate: X–ray microanalysis of freeze–dried cryosections. Tvedt KE, et al. **Cancer Res** 1987 Jan 1;47(1):323–8

Isolation from human seminal plasma of an abundant 16–kDa protein originating from the prostate, its identification with a 94–residue peptide originally described as beta–inhibin. Dubé JY, et al. **J Androl** 1987 May–Jun;8(3):182–9

Prostatic spermine–binding protein. Cloning and nucleotide sequence of cDNA, amino acid sequence, and androgenic control of mRNA level. Chang CS, et al. **J Biol Chem** 1987 Feb 25;262(6):2826–31

Localization of epidermal growth factor receptors in the human prostate by biochemical and immunocytochemical methods. Maddy SQ, et al. **J Endocrinol** 1987 Apr; 113(1):147–53

Effects of ageing and hormonal manipulations on the level of oestrogen receptors in the guinea–pig prostate. Tilley WD, et al. **J Endocrinol** 1987 Jan;112(1):139–44

Cysteine proteinase inhibitors in human and rat male sex glands. Minakata K, et al. **J Reprod Fertil** 1987 May; 80(1):201–6

Measurement of testosterone and its 5–alfa–reduced metabolites in human prostatic tissue using isotope dilution mass spectrometry. Moneti G, et al. **J Steroid Biochem** 1986 Nov;25(5B):765–72

Differential distribution of pepsinogen II between the zones of the human prostate and the seminal vesicle. Reese JH, et al. **J Urol** 1986 Nov;136(5):1148–52

Aging in the AXC/SSh rat: characterization of moderately abundant ventral prostate proteins showing age–dependent diminution and one protein exhibiting age–invariant content. Shain SA, et al. **Mech Ageing Dev** 1986 Dec; 37(2):147–62

Micromethod for the determination of free and total prolactin receptors: measurement of receptor levels in normal and malignant mammary and prostate tissues. Ben–David M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8375–9

Purification and partial characterization of prostate–derived growth factor. Maehama S, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8162–6

Immunocytochemical localization of metallothionein in the rat prostate gland. Bataineh ZM, et al. **Prostate** 1986; 9(4):397–410

Chemical demonstration of nuclear androgen receptor following affinity chromatography with immobilized ligands. Bruchovsky N, et al. **Prostate** 1987;10(3):207–22

Immunohistochemical demonstration of metallothionein in the rat prostate. Umeyama T, et al. **Prostate** 1987; 10(3):257–64

[Hormone–dependency of the human prostate] Robel P. **Bull Cancer (Paris)** 1986;73(1):19–22 (Eng. Abstr.) **(Fre)**

[Purification of the human prostate androgen receptor. I. Purification of the androgen receptor by affinity chromatography] Nakahara M. **Hinyokika Kiyo** 1986 Nov; 32(11):1677–88 (Eng. Abstr.) **(Jpn)**

[Purification of the human prostate androgen receptor. III. Purification of the androgen receptor and characterization of the purified androgen receptor] Nakahara M. **Hinyokika Kiyo** 1986 Nov;32(11):1701–11 (Eng. Abstr.) **(Jpn)**

[Purification of the human prostate androgen receptor. II. Characterization of the human prostate androgen receptor] Nakahara M. **Hinyokika Kiyo** 1986 Nov;32(11):1689–99 (Eng. Abstr.) **(Jpn)**

[Transference of antibiotics into prostatic tissues: sampling method by transurethral resection for the measurement of the concentration of antibiotics in prostatic tissue] Takasaki N, et al. **Hinyokika Kiyo** 1986 Jul;32(7):969–75 (Eng. Abstr.) **(Jpn)**

[Studies on estramustine–binding protein in the human prostate] Yuasa H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jun 20;62(6):737–44 (Eng. Abstr.) **(Jpn)**

[Analysis of seminal plasma proteins. B. Histopathological localization of gamma–Sm] Orikasa S, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:57–64 **(Jpn)**

[Behavior of prostate–specific antigen (PSA) in prostate tissue: correlation with prostatic acid phosphatase (PAP)] Morote Robles J, et al. **Actas Urol Esp** 1987 Mar–Apr; 11(2):180–3 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

MR imaging of the prostate gland: normal anatomy. Hricak H, et al. **AJR** 1987 Jan;148(1):51–8

Maintenance of adult rat ventral prostate in organ culture. Martikainen P. **Anat Rec** 1987 Jun;218(2):166–74

MR depiction of zonal anatomy of the prostate at 1.5 T. Sommer FG, et al. **J Comput Assist Tomogr** 1986 Nov–Dec; 10(6):983–9

Prostate shape, external striated urethral sphincter and radical prostatectomy: the apical dissection. Myers RP, et al. **J Urol** 1987 Sep;138(3):543–50

Quantitative analysis of ultrasonogram of the prostate. Kimura A, et al. **JCU** 1986 Sep;14(7):501–7

Distribution of the prostatic lobes and origin of the benign prostatic hyperplasia. Hiraoka Y, et al. **Nippon Ika Daigaku Zasshi** 1986 Oct;53(5):531–3

The effect of pituitary homografts on the accessory sex organs and serum hormonal levels with or without androgen in mature male rats. Chang CL. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):129–34

Normal prostate and adjacent structures: MR imaging at 1.5 T. Phillips ME, et al. **Radiology** 1987 Aug;164(2):381–5

Normal US anatomy of the prostate. Fornage BD. **Ultrasound Med Biol** 1986 Dec;12(12):1011–21

Magnetic resonance imaging of the pelvis: prostate and urinary bladder. Dooms GC, et al. **Urol Radiol** 1986; 8(3):156–65 (26 ref.)

Anatomy of the prostate from fetus to adult—origin of benign prostatic hyperplasia. Hiraoka Y, et al. **Urol Res** 1987; 15(3):177–80

[Prostatic echography using the transrectal approach. A preliminary report apropos of our experience with more than 400 cases] Ducassou JD, et al. **J Urol (Paris)** 1986; 92(4):249–50 **(Fre)**

[Morphology of the secretory epithelium in the prostate of cattle] Abou Elmagd A, et al. **Berl Munch Tierarztl Wochenschr** 1986 Aug 1;99(8):279–82 (Eng. Abstr.) **(Ger)**

[Ultrasonic examination of the prostate] Itoh K. **Rinsho Byori** 1986 Jul;34 Spec No 68:19–29 **(Jpn)**

[Intracavitary echography of the prostate] Boronat F, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):399–406 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Angiotropic large cell lymphoma of the prostate gland: an immunohistochemical study. Ben–Ezra J, et al. **Hum Pathol** 1986 Sep;17(9):964–7

Necropsy study of infarcts of prostate and prostatic urethra. Jones TJ, et al. **J Clin Pathol** 1986 Nov;39(11):1221–3

Simplified technique for management of Santorini plexus and puboprostatic ligaments during radical retropubic prostatectomy. Hayashi T, et al. **Urology** 1986 Oct; 28(4):322–3

[Studies of distribution of blood vessels of normal rat prostate, seminal vesicles, coagulating glands and vasa deferentia] Suzuki T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;

77(7):1099–107 (Eng. Abstr.) (Jpn)
[Measurement of the arteries of the prostate in dogs] Gościcka D, et al. **Pol Arch Weter** 1986;25(4):93–9 (Eng. Abstr.) (Pol)

CYTOLOGY

Prostasomes in human semen contain ADP and GDP. Ronquist G, et al. **Acta Eur Fertil** 1986 Jul–Aug;17(4):273–6
Possible microapocrine–type secretion developing in prostatic secretory epithelial cells of older rats in the early stage of castration. Kawamura H, et al. **Anat Anz** 1987; 163(4):289–300
Glycoprotein hormone alpha–chain–immunoreactive endocrine cells in prostate and cloacal–derived tissues. Fetissof F, et al. **Arch Pathol Lab Med** 1987 Sep; 111(9):836–40
Rat ventral prostate cell lysis at 2 degrees C. Anderson KM, et al. **Clin Physiol Biochem** 1986;4(4):229–38
Cell proliferation studies in rat prostate. I. The proliferative role of basal and secretory epithelial cells during normal growth. Evans GS, et al. **Prostate** 1987;10(2):163–78
Primary culture of epithelial cells derived from the rat ventral prostate: formation of three–dimensional acinus–like structure in collagen gel. Kawamura H, et al. **Prostate** 1987; 10(2):153–61
[Cytologic changes in the testes and the prostate of the rat with an undeveloped blood–testis barrier after injection of testicular antibodies] Zelenskaia TM, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):564–9 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Additive effect of VIP or isoproterenol on forskolin–stimulated cyclic AMP accumulation in rat prostatic epithelial cells. Carmena MJ, et al. **Biochem Int** 1986 Sep;13(3):479–85
Somatostatin inhibits VIP– and isoproterenol–stimulated cyclic AMP accumulation in rat prostatic epithelial cells. Carmena MJ, et al. **FEBS Lett** 1987 Jun 22;218(1):73–6
Effects of various steroids on the thymus, spleen, ventral prostate and seminal vesicles in old orchidectomized rats. Fitzpatrick FT, et al. **J Endocrinol** 1987 Apr;113(1):51–5
Alpha–1 adrenoceptor antagonist effects of the optical isomers of YM–12617 in rabbit lower urinary tract and prostate. Honda K, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):512–6
Effectiveness of antiandrogens in the rat. Burton S, et al. **J Urol** 1986 Oct;136(4):932–5
Proliferative response of rat accessory sex organs to dietary sex hormones after castration or initial dietary administration of estrogen. Shirai T, et al. **J Urol** 1987 Jul; 138(1):216–8
DNA synthesis in the canine prostate: effects of androgen and estrogen treatment. Barrack ER, et al. **Prostate** 1987; 10(1):45–56
Biological implications of androgen dependent changes in proton–NMR relaxation times in rat ventral prostate. Braunschweiger PG, et al. **Prostate** 1986;9(3):283–94
Role of adrenal androgens in prostate regression in rats treated with an antiandrogen and an LHRH agonist. Foldesy RG, et al. **Prostate** 1986;9(3):227–35
[Immunohistochemistry of cytokeratins in prostate tissue as a possible sensitive method for the screening of veal calves treated with anabolic estrogens] Weijman J, et al. **Tijdschr Diergeneesk** 1987 May 1;112(9):507–13 (Eng. Abstr.) (Dut)
[Effects of an extract of the bark of Pygeum africanum (V.1326) on prostatic secretions in the rat and in man] Clavert A, et al. **Ann Urol (Paris)** 1986;20(5):341–3 (Eng. Abstr.) (Fre)
[Six–year experience with sonometrics of the prostate. III: Effect of anti–androgen therapy on prostatic weight] Hayashida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1467–77 (Eng. Abstr.) (Jpn)
[Effect of trans–4–hydroxy–3–methoxycinnamic acid (ferulic acid) on polyamine level in the rat ventral prostate] Sone A. **Nippon Yakurigaku Zasshi** 1987 Apr;89(4):169–73 (Eng. Abstr.) (Jpn)

EMBRYOLOGY

Prenatal development of the prostate in male Praomys (Mastomys) Natalensis. Gross SA, et al. **Arch Ital Anat Embriol** 1986 Jan–Apr;91(1):21–8
Analysis of prostatic bud induction by brief androgen treatment in the fetal rat urogenital sinus. Takeda H, et al. **J Endocrinol** 1986 Sep;110(3):467–70
[Androgen receptors in the epithelium during prostatic gland induction from the urogenital sinus epithelium in Tfm–mutant mice] Mizuno T, et al. **C R Soc Biol (Paris)** 1986;180(5):593–5 (Eng. Abstr.) (Fre)
[Prostatic development, cytodifferentiation and growth: epithelial–mesenchymal interaction and heterogeneity of prostatic cellular activity] Sugimura Y, et al. **Hinyokika Kiyo** 1987 Mar;33(3):380–90 (Eng. Abstr.) (Jpn)

ENZYMOLOGY

Biochemical and immunological relationships of prostatic and leukocytic acid phosphatases and their subcellular localization. Zwirner A, et al. **Acta Biochim Pol** 1986; 33(2):127–31
The varied localization and functional significance of kallikrein–like enzymes in salivary glands, pancreas, colon, sex glands and spermatozoa, including evidence for the presence of nerve growth factor (NGF) in bull sperm acrosome. Schachter M, et al. **Adv Exp Med Biol** 1986;198 Pt A:1–10
Use of monoclonal and polyclonal antibodies to detect prostatic acid phosphatase by immunoblotting. Patel PC, et al. **Clin Chem** 1986 Oct;32(10):1832–5
Comparison of radioimmunoassay and immunoradiometric assay for serum prostatic acid phosphatase. Sturgeon CM, et al. **Clin Chim Acta** 1986 Nov 30;161(1):47–57
Effect of melatonin–free pineal extract on acid phosphatase activity in the testosterone–treated, castrated rat. Damian E, et al. **Endocrinologie** 1987 Jan–Mar;25(1):9–14
Aging in the AXC/SSh rat: diminished prostate L–ornithine decarboxylase (ODC) activity reflects diminished prostate ODC protein and transcript content. Shain SA, et al. **Endocrinology** 1986 Oct;119(4):1830–8
Stimulation of ornithine decarboxylase in the rat prostate by seminal plasma inhibin. Natraj U, et al. **Int J Androl** 1986 Jun;9(3):218–28
Purification of cytosolic cAMP–independent protein kinases from rat ventral prostate. Goueli SA, et al. **Int J Biochem** 1986;18(10):875–84
Purification of nuclear cAMP–independent protein kinases from rat ventral prostate. Goueli SA, et al. **Int J Biochem** 1986;18(10):861–73
Detection of prostatic tissue and seminal plasma peptides reacting with human seminal fluid acid phosphatase antibodies. Kuciel R, et al. **Int J Biochem** 1986; 18(11):1005–13
Increased content of mRNA for a precursor of S–adenosylmethionine decarboxylase in rat prostate after treatment with 2–difluoromethylornithine. Shirahata A, et al. **J Biol Chem** 1986 Oct 15;261(29):13833–7
Isolation and catalytic activity of cytochrome P–450 from ventral prostate of control rats. Sundin M, et al. **J Biol Chem** 1987 Sep 5;262(25):12293–7
Presumptive screening of suspected semen stain in situ using cotton swabs and bromochloroindolyl phosphate to detect prostatic acid phosphatase activity. Baechtel FS, et al. **J Forensic Sci** 1987 Jul;32(4):880–7
Postmortem stability of prostatic acid phosphatase. Standefer JC, et al. **J Forensic Sci** 1977 Jan;22(1):165–72
Immunodiagnosis by prostatic acid phosphatase to differentiate primary male breast cancer from metastatic prostate cancer. Kumar PP, et al. **J Natl Med Assoc** 1986 Aug;78(8):782–4, 786
17 beta–Hydroxysteroid dehydrogenase in the human prostate: properties and distribution between epithelium and stroma in benign hyperplastic tissue. Bartsch W, et al. **J Steroid Biochem** 1987 Jul;28(1):35–42
Comparison of nuclear 5 alpha–reductase activities in the stromal and epithelial fractions of human prostatic tissue. Hudson RW. **J Steroid Biochem** 1987 Mar;26(3):349–53
The possibility of aromatization of androgen in human prostate. Kaburagi Y, et al. **J Steroid Biochem** 1987 Jun; 26(6):739–42
Aromatase activity in microsomes from rat ventral prostate and Dunning R3327H rat prostatic adenocarcinoma. Marts SA, et al. **J Steroid Biochem** 1987 Jan;26(1):25–9
5 Alpha–reductase in the non–secretory cells of the rat ventral prostate epithelium. Purvis K, et al. **J Steroid Biochem** 1986 Dec;25(6):1023–5
Age–related changes in tissue levels of prostatic acid phosphatase and prostate specific antigen. Goldfarb DA, et al. **J Urol** 1986 Dec;136(6):1266–9
Prostatic acid phosphatase: its current clinical status. Heller JE. **J Urol** 1987 Jun;137(6):1091–103 (240 ref.)
Control of low Km cyclic adenosine 3',5'–monophosphate–phosphodiesterase in prostate and heart of adult and aged rats. Moses MA, et al. **Mech Ageing Dev** 1987 Jul;39(2):103–12
Prolactin selectively stimulates ornithine decarboxylase in the lateral lobe of the rat prostate. Rui H, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):89–97
Dopamine receptors mediating the stimulation and the inhibition of adenylate cyclase in rat prostate gland. Amenta D, et al. **Neurosci Lett** 1987 Jun 1;77(1):66–70
Evolution of fetal and adult thymidine kinase isoenzymes in rat ventral prostates during development. Derré P, et al. **Prostate** 1987;10(4):339–44
Characteristics of the beta–adrenergic stimulation of adenylate cyclase activity in rat ventral prostate and its modulation by androgens. Poyet P, et al. **Prostate** 1986; 9(3):237–45
Acid phosphatase activity: a marker of androgen action in prostate explant cultures. Shao TC, et al. **Prostate** 1987; 10(1):69–77
Lysosomal localization of secretory prostatic acid phosphatase in human hyperplastic prostate epithelium. Zondervan PE, et al. **Urol Res** 1986;14(6):331–5
Prostate–specific acid phosphatase in carcinoid tumors. Kimura N, et al. **Virchows Arch [A]** 1986;410(3):247–51
[Prostatic acid phosphatase and prostatic specific antigen measured by immunoenzyme assay] Fuse H, et al. **Hinyokika Kiyo** 1986 Dec;32(12):1813–9 (Eng. Abstr.) (Jpn)
[Ultracytochemical study of acid phosphatase in the human prostate] Yamamoto T. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):218–26 (Eng. Abstr.) (Jpn)
[Clinical evaluation and measurement of plasma prostatic acid phosphatase by solid phase enzyme immunoassay] Okabe H, et al. **Rinsho Byori** 1986 Jul;34(7):805–10 (Jpn)

GROWTH & DEVELOPMENT

Differences in steroid metabolism by testis, prostate and epididymis in the immature and adult possum (Trichosurus vulpecula). Weiss M. **Comp Biochem Physiol [B]** 1986; 84(4):571–4
Prolactin induced advancement in structural organization of accessory sex organs during puberal transition in albino rats. Reddy KV, et al. **Indian J Exp Biol** 1986 Jun; 24(6):356–62
Androgen repression of the production of a 29–kilodalton protein and its mRNA in the rat ventral prostate. Saltzman AG, et al. **J Biol Chem** 1987 Jan 5;262(1):432–7
In vitro metabolism of testosterone in the rat prostate: influence of aging. Motta M, et al. **J Steroid Biochem** 1986 Nov;25(5B):897–903
The differential effects of neonatal androgen, estrogen and progesterone on adult rat prostate growth. Naslund MJ, et al. **J Urol** 1986 Nov;136(5):1136–40
Androgenic induction of DNA synthesis in prostatic glands induced in the urothelium of testicular feminized (Tfm/Y) mice. Sugimura Y, et al. **Prostate** 1986;9(3):217–25

IMMUNOLOGY

Preliminary evaluation of measurement of serum prostate–specific antigen level in detection of prostate cancer. Wang TY, et al. **Ann Clin Lab Sci** 1986 Nov–Dec; 16(6):461–6
Detection of blood group antigens in frozen sections of prostatic epithelium. Abel PD, et al. **Br J Urol** 1987 May; 59(5):430–5
Immunoelectron microscopic localization of prostatic–specific antigen in human prostate by the protein A–gold complex. Sinha AA, et al. **Cancer** 1987 Sep 15; 60(6):1288–93
Cross reactivity of a monoclonal pan T–cell antibody (anti–Leu 4) with prostate epithelium. Grignon DJ, et al. **J Urol** 1987 Feb;137(2):330–2
[Local immunity of chronic prostatitis patients] Drannik GN, et al. **Vestn Dermatol Venerol** 1986;(9):66–70 (Eng. Abstr.) (Rus)

INNERVATION

Alpha 2 adrenergic receptors in canine prostate: biochemical and functional correlations. Shapiro E, et al. **J Urol** 1987 Mar;137(3):565–70

METABOLISM

The cellular mechanism of the antiandrogenic action of nomegestrol acetate, a new 19–nor progestagen, on the rat prostate. Botella J, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):544–50
Further observations on the autoregulation of the prolactin receptor in rat ventral prostate explants. Rui H, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):426–32
Androstane derivatives—roxibolone and decylroxibolone—devoid of any affinity for the androgenic prostate and muscle receptors. Berti F, et al. **Arzneimittelforschung** 1986 Sep;36(9):1372–4
Histochemical determination of carbohydrates in the prostate of male and female Praomys (Mastomys) natalensis. Gross S, et al. **Basic Appl Histochem** 1986;30(3):367–73
A common molecular weight of the androgen receptor monomer in different target tissues. Johnson MP, et al. **Biochemistry** 1987 Jun 2;26(11):3174–82
Effects of age and androgens upon functional vasoactive intestinal peptide receptors in rat prostatic epithelial cells. Carmena MJ, et al. **Biochim Biophys Acta** 1986 Oct 10; 888(3):338–43
Testosterone–induced DNA synthesis in cultured rat ventral prostate: effects of estracyt and its derivatives. Buchanan LJ, et al. **Br J Cancer** 1987 Jan;55(1):47–51
Growth hormone binding and stimulation of amino acid uptake in epithelial cells of rat ventral prostate. Prieto JC, et al. **Cell Biochem Funct** 1987 Jan;5(1):63–8
Penetration of norfloxacin into human prostatic tissue following single–dose oral administration. Dan M, et al. **Chemotherapy** 1987;33(4):240–2
The differential regulation of the intranuclear progestin in mouse kidney and prostate–seminal vesicles. Houben PW, et al. **Endocr Res** 1987;13(1):1–14
Properties of progestin–binding protein in benign hypertrophic human prostate. Akimoto S, et al. **Endocrinol Jpn** 1986 Jun;33(3):423–32
Multihormonal control of synthesis and secretion of prostatein in cultured rat ventral prostate. Martikainen P, et al. **Endocrinology** 1987 Aug;121(2):604–11
Prolactin influence on cytosol and nuclear androgen receptors in the ventral, dorsal, and lateral lobes of the rat prostate. Prins GS. **Endocrinology** 1987 Apr; 120(4):1457–64
Diffusion of oral ofloxacin (HOE 280) into human prostatic tissue: assessment by an improved high–performance liquid chromatographic method. Claes R, et al. **Infection** 1986;14 Suppl 4:S263–5

Study on pulmonary, prostatic and renal (medulla and cortex) distribution of sagamicin at different time intervals. Fraschini F, et al. **Int J Clin Pharmacol Res** 1987;7(1):51–8

A new method for labeling and autoradiographic localization of androgen receptors. Peters CA, et al. **J Histochem Cytochem** 1987 Jul;35(7):755–62

Alpha–1 adrenoceptors in human prostate: characterization and alteration in benign prostatic hypertrophy. Yamada S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):326–30

Effect of antiandrogen and/or antiestrogen blockade on human prostate epithelial and stromal cell protein synthesis. Geller J, et al. **J Steroid Biochem** 1986 Nov;25(5B):759–63

Effect of 1,4,6–androstatriene–3,17–dione (ATD), 4–hydroxy–4–androstene–3,17–dione (4–OH–A) and 4–acetoxy–4–androstene–3,17–dione (4–Ac–A) on the 5 alpha–reduction of androgens in the rat prostate. Motta M, et al. **J Steroid Biochem** 1986 Oct;25(4):593–600

Quantitative ultrastructural autoradiographic study of RNA transport in rat ventral prostate. Carmo–Fonseca M. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):63–76

Prostate adenocarcinoma: effects of castration on in situ androgen uptake by individual cell types. Lippert MC, et al. **J Urol** 1987 Jan;137(1):140–5

Evidence for thyrotropin–releasing hormone (TRH) biosynthesis in rat prostate. Pekary AE, et al. **Life Sci** 1986 Dec 29;39(26):2565–70

Characteristics of the beta–adrenergic receptor in the rat ventral prostate using [125I]cyanopindolol. Poyet P, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):59–67

Independent control of citrate production and ornithine decarboxylase by prolactin in the lateral lobe of the rat prostate. Rui H, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1–2):91–5

Peptide–hormone– and serotonin–immunoreactive cells in normal and hyperplastic prostate glands. Abrahamsson PA, et al. **Pathol Res Pract** 1986 Dec;181(6):675–83

Immunohistochemical demonstration of cytokeratins in the human prostate. Wernert N, et al. **Pathol Res Pract** 1986 Dec;181(6):668–74

Biosynthesis and localization of inhibin in human prostate. Sathe VS, et al. **Prostate** 1987;10(1):33–43

Estrogen formation in human prostatic tissue from patients with and without benign prostatic hyperplasia. Stone NN, et al. **Prostate** 1986;9(4):311–8

Ontogeny of the androgen receptor in rat ventral prostate during sexual development. Moeller H, et al. **Res Exp Med (Berl)** 1987;187(4):287–94

Prostatic cytosol binding of 5 alpha–androstane–3 beta, 17 beta–diol and estradiol–17 beta. Ho SM, et al. **Steroids** 1986 Jan;47(1):21–34

Carbohydrate residues in non–malignant prostatic epithelium as revealed by lectins. Abel PD, et al. **Urol Res** 1987; 15(3):173–6

[Concentration of aztreonam in prostatic tissue] Tripi M, et al. **Minerva Urol Nefrol** 1986 Oct–Dec;38(4):367–70 (Eng. Abstr.) **(Ita)**

[Study of levels of latamoxef in prostatic tissue and bladder mucosal tissue] Nakata Y, et al. **Hinyokika Kiyo** 1987 Feb; 33(2):289–93 (Eng. Abstr.) **(Jpn)**

[A study of prostatic tissue levels of latamoxef, cefoperazone and cefotaxime] Takeuchi N, et al. **Hinyokika Kiyo** 1986 Dec;32(12):1831–41 (Eng. Abstr.) **(Jpn)**

[Enoxacin concentration in human prostatic tissue] Yasumoto R, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1471–3 (Eng. Abstr.) **(Jpn)**

[Marker proteins of the differentiation of cultured human prostatic epithelial cells] Bozhok IuM, et al. **Eksp Onkol** 1986;8(5):34–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Periferal cystic hyperplasia of the prostate gland. Søndergaard G, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1987 May; 95(3):137–9

Cribriform hyperplasia of prostate [letter] **Am J Surg Pathol** 1987 Jun;11(6):488–91

Artifactual changes mimicking signet ring cell carcinoma in transurethral prostatectomy specimens. Alguacil–Garcia A. **Am J Surg Pathol** 1986 Nov;10(11):795–800

Clear cell cribriform hyperplasia of prostate. Report of 10 cases. Ayala AG, et al. **Am J Surg Pathol** 1986 Oct; 10(10):665–71

Artifactual signet ring cells [letter] Schned AR. **Am J Surg Pathol** 1987 Sep;11(9):736–7

Prostate cambial (stem)–zone and microcarcinoma: immunohistochemical and morphometric study approach. Battaglia S, et al. **Appl Pathol** 1985;3(4):255–61

Diagnosis, staging, and surgical treatment of prostatic carcinoma [clinical conference] Catalona WJ, et al. **Arch Intern Med** 1987 Feb;147(2):361–3

Sclerosing adenosis of the prostate. Young RH, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):363–6

Prostatic involvement in bladder cancer. Prostate mapping in 20 cystoprostatectomy specimens. Mahadevia PS, et al. **Cancer** 1986 Nov 1;58(9):2096–102

Prostatic tissue sampling [letter] Mandell GH. **Hum Pathol** 1986 Oct;17(10):1078–9

Different hormonal requirements for androgen–independent growth of normal and tumor epithelial cells from rat prostate. McKeehan WL, et al. **In Vitro Cell Dev Biol** 1987 Feb;23(2):147–52

Hemangiopericytoma of the prostate. Chen KT. **J Surg Oncol** 1987 May;35(1):42–3

Ultrasonography of prostatic carcinoma employing amplitude–enveloped (AM) and frequency–demodulated (FM) imaging: in vivo, in vitro, and pathologic correlation. Hamper UM, et al. **J Ultrasound Med** 1986 Oct; 5(10):557–62

Use of fine needle aspiration for detection of stage A prostatic carcinoma before transurethral resection of the prostate: a clinical trial. Agatstein EH, et al. **J Urol** 1987 Sep; 138(3):551–3

Correlation of biochemical (receptors, endogenous tissue hormones) and quantitative morphologic (stereologic) findings in normal and hyperplastic human prostates. Bartsch G, et al. **J Urol** 1987 Mar;137(3):559–64

Light–microscopic stereologic analysis of spontaneous and steroid–induced canine prostatic hyperplasia. Bartsch G, et al. **J Urol** 1987 Mar;137(3):552–8

Atrophy and proliferation in the young adult prostate. Gardner WA Jr, et al. **J Urol** 1987 Jan;137(1):53–6

The effects of interferons on the activity of alpha–glycerolphosphate dehydrogenase in benign prostatic hyperplasia cells in primary culture. Hayward S, et al. **J Urol** 1987 Sep;138(3):648–53

Pharmacological characteristics of smooth muscle in benign prostatic hyperplasia and normal prostatic tissue. Kitada S, et al. **J Urol** 1987 Jul;138(1):158–60

Prediction of metastatic potential by a new grading system of cell motility: validation in the Dunning R–3327 prostatic adenocarcinoma model. Mohler JL, et al. **J Urol** 1987 Jul; 138(1):168–70

Time lapse videomicroscopic identification of Dunning R–3327 adenocarcinoma and normal rat prostate cells. Mohler JL, et al. **J Urol** 1987 Mar;137(3):544–7

Correlation of clinical stage, serum prostatic acid phosphatase and preoperative Gleason grade with final pathological stage in 275 patients with clinically localized adenocarcinoma of the prostate. Oesterling JE, et al. **J Urol** 1987 Jul;138(1):92–8

The inability of adrenal androgens to stimulate the adult human prostate: an autopsy evaluation of men with hypogonadotropic hypogonadism and panhypopituitarism. Oesterling JE, et al. **J Urol** 1986 Nov;136(5):1030–4

Phyllodes type of atypical prostatic hyperplasia: a report of 3 new cases. Reese JH, et al. **J Urol** 1987 Sep;138(3):623–6

Prostate biopsy after definitive treatment by interstitial 125iodine implant or external beam radiation therapy. Schellhammer PF, et al. **J Urol** 1987 May;137(5):897–901

The clinical spectrum of granulomatous prostatitis: a report of 200 cases. Stillwell TJ, et al. **J Urol** 1987 Aug; 138(2):320–3

Development of canine benign prostatic hyperplasia with age. Berry SJ, et al. **Prostate** 1986;9(4):363–73

Latent and clinically manifest prostatic carcinoma. Hayashi T, et al. **Prostate** 1987;10(3):275–9

Postradiation biopsy and histological effects in early–stage prostatic cancer treated with 125iodine implants. Kandzari SJ, et al. **Prostate** 1986;9(4):319–26

Prostatic disorders: MR imaging at 1.5 T. Phillips ME, et al. **Radiology** 1987 Aug;164(2):386–92

The reliability of transabdominal ultrasound scanning in the determination of prostatic volume. An autopsy study. Vilmann P, et al. **Scand J Urol Nephrol** 1987;21(1):5–7

Needle aspiration and needle biopsy procedures. Wajsman Z, et al. **Urol Clin North Am** 1987 Feb;14(1):103–13

Accuracy in core biopsy of the prostate. An autopsy study. Horndalsveen Berild G, et al. **Urol Int** 1986;41(4):276–8

Evaluation of prostate size: a comparison of ultrasound and magnetic resonance imaging. Hricak H, et al. **Urol Radiol** 1987;9(1):1–8

Effects of castration compared with total androgen blockade on tissue dihydrotestosterone (DHT) concentration in benign prostatic hyperplasia (BPH). Geller J, et al. **Urol Res** 1987;15(3):151–3

Aromatization of androstenedione to estrogen by benign prostatic hyperplasia, prostate cancer and expressed prostatic secretions. Stone NN, et al. **Urol Res** 1987; 15(3):165–7

Utricular papilloma. Aliabadi H, et al. **Urology** 1987 Mar; 29(3):317–8

Yield of cancer tissue from prostatic needle biopsy. Bonney WW, et al. **Urology** 1987 Feb;29(2):153–6

Doubling time and annual doubling rate of human prostatic cancer. Haddad FS, et al. **Urology** 1987 Jan;29(1):35–9

Long–term autopsy findings following radical prostatectomy. Oesterling JE, et al. **Urology** 1987 Jun;29(6):584–8

Transrectal biopsy under local anesthesia. Salameh R, et al. **Urology** 1987 Jan;29(1):79

Coexisting adenocarcinoma of prostate in patients undergoing cystoprostatectomy for bladder cancer. Winfield HN, et al. **Urology** 1987 Aug;30(2):100–1

Biological tissue markers in benign and malignant disease of the human prostate. Chastonay P, et al. **Virchows Arch** [A] 1986;410(3):221–9

[Transrectal core needle biopsy of the prostate] Horndalsveen Berild G, et al. **Ugeskr Laeger** 1986 Sep 1;148(36):2293–4 (Eng. Abstr.) **(Dan)**

[Polyethylene glycol in cytological puncture of the prostate] Mouriquand P, et al. **J Urol (Paris)** 1987;93(2):73–5 (Eng. Abstr.) **(Fre)**

[Value of the prostatic puncture biopsy in the diagnosis of prostatic cancer. Apropos of 271 cases] Perrin P, et al. **J Urol (Paris)** 1986;92(9):601–4 (Eng. Abstr.) **(Fre)**

[Prostatic cancer. Staging via transrectal prostatic sonography and computed tomography with histopathological correlation] Cordes M, et al. **ROFO** 1987 Apr;146(4):412–4 (Eng. Abstr.) **(Ger)**

[Immunohistochemical determination of prostate–specific acid phosphatase (PSAP), prostate–specific antigen (PSA) and epithelial membrane antigen (EMA) with monoclonal antibodies in punch biopsies of the prostate] Wacker U, et al. **Verh Dtsch Ges Pathol** 1986;70:325–8 (Eng. Abstr.) **(Ger)**

[Biopsy of the prostate—when and how (editorial)] Golomb J, et al. **Harefuah** 1986 Dec 15;111(12):458–60 **(Heb)**

[Evaluation of prostate aspiration biopsy for cytological detection of prostate cancer] Fujimoto Y, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1455–9 (Eng. Abstr.) **(Jpn)**

[Six–year experience with sonometrics of the prostate. I: Contribution of sonometrics to diagnosis] Higuchi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep; 77(9):1455–60 (Eng. Abstr.) **(Jpn)**

[Histopathological investigation of specimens from radical total cystoprostatectomy of carcinoma of the prostate] Matsumoto K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1429–37 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effects of oestrogen–induced hyperprolactinemia on the rat prostate. Oldereid NB, et al. **Andrologia** 1986 Sep–Oct; 18(5):516–22

Characterization and cloning of androgen–repressed mRNAs from rat ventral prostate. Léger JG, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):196–203

Molecular cloning and sequence of the cDNA for a 94–amino–acid seminal plasma protein secreted by the human prostate. Mbikay M, et al. **DNA** 1987 Feb;6(1):23–9

Comparison of the alpha–adrenoceptor characteristics in human and canine prostate. Hieble JP, et al. **Fed Proc** 1986 Oct;45(11):2609–14

The female prostate: nonvestigial organ of the female. A reappraisal. Zaviačič M. **J Sex Marital Ther** 1987 Summer; 13(2):148–52

Effect of androgens on mRNA for a secretory protein of rat dorsolateral prostate and seminal vesicles. Dodd JG, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):191–200

A study of the post–tetanic twitch depression at the prostatic end of the rat vas deferens. Amobi NI, et al. **Pflugers Arch** 1987 May;408(6):628–33

Effect of prolactin and androgens on the prostate of bonnet monkeys, Macaca radiata: I. Nucleic acids, phosphatases, and citric acid. Arunakaran J, et al. **Prostate** 1987; 10(3):265–73

Involvement of prostate in the regulation of serum levels of FSH, LH, and prolactin in male rats. Hurkadli KS, et al. **Prostate** 1986;9(4):411–6

Biological significance of measurable androgen levels in the rat ventral prostate following castration. Kyprianou N, et al. **Prostate** 1987;10(4):313–24

Role of epithelial–stromal interactions in the control of gene expression in the prostate: an hypothesis. Tenniswood M. **Prostate** 1986;9(4):375–85

[The prostate: development of anatomic and physiologic knowledge] Marri Malacrida L. **Minerva Med** 1987 Mar 31;78(6):415–7 **(Ita)**

PHYSIOPATHOLOGY

Stress stimuli and the prostatic gland—an experimental study in the rat. Gatenbeck L. **Scand J Urol Nephrol [Suppl]** 1986; 99:1–11

[A study of the physical property of the prostate (fourth report)—the tensile strength of the adenoma in benign prostatic hypertrophy] Ohnishi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):83–6 (Eng. Abstr.) **(Jpn)**

[A study of the physical properties of the prostate (second report)—the relationships between dysuria and the strength of the surgical capsule in benign prostatic hypertrophy] Ohnishi K. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep; 77(9):1388–99 (Eng. Abstr.) **(Jpn)**

[A study of the physical properties of the prostate (first report)—prostatic pressure coefficient and presumed circle area ratio in benign prostatic hypertrophy] Ohnishi K. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1377–87 (Eng. Abstr.) **(Jpn)**

[A study of the physical properties of the prostate (third report)—the relationship between the presumed circle area ratio (PCAR) and intraprostatic pressure] Ohnishi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1400–4 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

[Evaluation of prostatic cytology after radiation therapy] Zattoni F, et al. **Minerva Urol Nefrol** 1986 Oct–Dec; 38(4):371–4 (Eng. Abstr.) **(Ita)**

SECRETION

Radioimmunoassay in blood plasma of arginine esterase: the major secretory product of dog prostate. Frenette G, et al. **Prostate** 1987;10(2):145–52

SURGERY

The tide is stemmed. A method of catheter traction for the control of venous haemorrhage following transurethral resection of prostate. Gordon NS. **Aust NZ J Surg** 1987 Jul;57(7):475–6

Disseminated intravascular coagulation following transrectal prostatic biopsy. Harvey MH, et al. **Br J Urol** 1987 Apr; 59(4):363–4

Comparison of epidural and spinal blockade with 0.5% bupivacaine for transurethral surgery. Aromaa U, et al. **Eur J Anaesthesiol** 1986 May;3(3):241–6

Urethral stricture complicating transurethral prostatic surgery. Ehrén I, et al. **Int Urol Nephrol** 1986;18(4):429–32

The effect of parenteral emepronium bromide (Cetiprin) on postoperative vesical tenesms after transurethral resection of the prostate. A randomized, placebo-controlled study. Jørgensen L, et al. **Int Urol Nephrol** 1987;19(1):87–90

Randomized double-blind, placebo controlled safety study of a low molecular weight heparinoid in patients undergoing transurethral resection of the prostate. ten Cate H, et al. **Thromb Haemost** 1987 Feb 3;57(1):92–6

[Fibrin occlusion (Beriplast) of the prostatic cavity after transurethral resection of the prostate. A study of the method] Hjortrup A, et al. **Ugeskr Laeger** 1987 Apr 27; 149(18):1196–7 (Eng. Abstr.) **(Dan)**

[Invasive cancer of the prostate. Reconstruction of the lower urinary tract by prostatic resection and ureteral reimplantation into the bladder vault] Juraschek F, et al. **Ann Urol (Paris)** 1987;21(1):59–60 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Heterotransplantation of human prostatic tissue. Hymer WC, et al. **Prostate** 1987;10(2):95–114

ULTRASTRUCTURE

Scanning electron microscopic observations on the epithelium of the human prostatic urethra. Orlandini GE, et al. **Andrologia** 1987 May–Jun;19(3):315–21

Effect of modulators on prostasome membrane-bound ATPase in human seminal plasma. Ronquist G. **Eur J Clin Invest** 1987 Jun;17(3):231–6

Preferential binding of androgen to transcriptionally active chromatin in rat prostate. Xu YH, et al. **J Steroid Biochem** 1987 Jun;26(6):647–52

Comparative morphology of the prostate in adult male and female Praomys (Mastomys) Natalensis studied with electron microscopy. Gross SA, et al. **J Submicrosc Cytol** 1987 Jan;19(1):77–84

Ultrastructure and immunohistochemistry of the lateral prostate in aged rats. Aumüller G, et al. **Prostate** 1987; 10(3):245–56

[Ultrastructural changes in the cell nucleus of the prostate gland and urinary bladder] Skaro-Milić A, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):132–5 (Eng. Abstr.) **(Scr)**

PROSTATECTOMY

Adenosine in the inhibition of diazepam sedation by aminophylline. Niemand D, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):493–5

Surgical and anaesthetic considerations in transurethral resection of the prostate. Hatch PD. **Anaesth Intensive Care** 1987 May;15(2):203–11 (67 ref.)

Glycine and transurethral resection. Alexander JP, et al. **Anaesthesia** 1986 Dec;41(12):1189–95

Pretreatment transurethral resection of prostate cancer and disease-free survival. Natarajan N, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):395–9

Single dose antibiotic prophylaxis in high risk patients undergoing transurethral prostatectomy. McEntee GP, et al. **Br J Surg** 1987 Mar;74(3):192–4

Antibiotic prophylaxis in transurethral prostatectomy [letter] Shearman CP. **Br J Surg** 1987 Jul;74(7):653

Metabolic consequences of forced diuresis following prostatectomy. Malone PR, et al. **Br J Urol** 1986 Aug; 58(4):406–11

Continence and potency preserving cystoprostatectomy and substitution cystoplasty for patients with bladder cancer. Mundy AR, et al. **Br J Urol** 1986 Dec;58(6):664–8

Effects of catheter size on urodynamic measurements in men undergoing elective prostatectomy. Neal DE, et al. **Br J Urol** 1987 Jul;60(1):64–8

Prostatocutaneous urinary fistula to the thigh after retropubic prostatectomy in a patient with polycythaemia rubra vera. Snooks SJ, et al. **Br J Urol** 1986 Oct;58(5):558

Assessment before prostatectomy [editorial] O'Reilly PH. **Br Med J [Clin Res]** 1987 May 30;294(6584):1370–1

The role of external beam radiation therapy after prostatectomy for prostate cancer. Hanks GE, et al. **Cancer** 1986 Dec 1;58(11):2406–10

Effective perioperative prophylaxis with a single dose of cefotaxime in transurethral prostatectomy. Nielsen PB, et al. **Clin Ther** 1987;9(2):167–73

Hyperbaric bupivacaine and hyperbaric cinchocaine: a comparison of their use for spinal anaesthesia. Shribman AJ, et al. **Eur J Anaesthesiol** 1986 Mar;3(2):103–10

Controlled trial of a short and a prolonged course with ciprofloxacin in patients undergoing transurethral prostatic surgery. Grabe M, et al. **Eur J Clin Microbiol** 1987 Feb; 6(1):11–7

Prophylactic chemotherapy with fosfomycin trometamol salt during transurethral prostatic surgery: a controlled multicenter clinical trial. Periti P, et al. **Eur Urol** 1987;13 Suppl 1:122–31

Correlation of pre-treatment transurethral resection and prognosis in patients with stage C carcinoma of the prostate treated with definitive radiotherapy—RTOG experience. Pilepich MV, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):195–9

Single dose intra-operative antimicrobial prophylaxis during prostatectomy: gentamicin compared with cefotetan. Leach RD. **J Hosp Infect** 1986 Nov;8(3):257–62

Use of fine needle aspiration for detection of stage A prostatic carcinoma before transurethral resection of the prostate: a clinical trial. Agatstein EH, et al. **J Urol** 1987 Sep; 138(3):551–3

Bladder irrigation with chlorhexidine for the prevention of urinary infection after transurethral operations: a prospective controlled study. Ball AJ, et al. **J Urol** 1987 Sep;138(3):491–4

Antibiotic prophylaxis of urinary tract infection after transurethral resection of the prostate: a randomized study. Charton M, et al. **J Urol** 1987 Jul;138(1):87–9

Use of a balanced bowel preparation solution in urological surgery. Clark WR, et al. **J Urol** 1987 Mar;137(3):455–6

Antimicrobial agents in transurethral prostatic resection. Grabe M. **J Urol** 1987 Aug;138(2):245–52 (87 ref.)

Re: Short-term prophylactic antibiotics in patients undergoing prostatectomy: report of a double-blind randomized trial with 2 intravenous doses of cefotaxime [letter] Grabe M. **J Urol** 1987 Feb;137(2):317–8

Selective urethrectomy following cystoprostatectomy for bladder cancer. Hickey DP, et al. **J Urol** 1986 Oct; 136(4):828–30

Radical transurethral resection of the prostate in male paraplegics revisited: further clinical experience and urodynamic considerations for its effectiveness. Koyanagi T, et al. **J Urol** 1987 Jan;137(1):72–6

Prevention of post-prostatectomy vesical neck contracture by prophylactic vesical neck incision. Kulb TB, et al. **J Urol** 1987 Feb;137(2):230–1

Post-prostatectomy incontinence: the influence of bladder dysfunction. Leach GE, et al. **J Urol** 1987 Sep;138(3):574–8

Radical prostatectomy: anatomical predictors of success or failure. Paulson DF, et al. **J Urol** 1986 Nov;136(5):1041–3

Bladder replacement after cystoprostatectomy: efforts to achieve total continence. Reddy PK, et al. **J Urol** 1987 Sep;138(3):495–9

Simultaneous preperitoneal hernia repair during radical pelvic surgery. Schlegel PN, et al. **J Urol** 1987 Jun; 137(6):1180–3

TURP followed by intraoperative hemorrhage incontinence [letter] Thompson IM, et al. **Milit Med** 1987 Jan; 152(1):50–1

Post-prostatectomy auto-irrigation with furosemide in the tropics. Fahal AH, et al. **Pharmatherapeutica** 1986; 4(9):590–4

The effectiveness of a short perioperative course with pivampicillin/pivmecillinam in transurethral prostatic resection: bacteriological results. Grabe M, et al. **Scand J Infect Dis** 1986;18(6):575–81

The effectiveness of a short perioperative course with pivampicillin/pivmecillinam in transurethral prostatic resection: clinical results. Grabe M, et al. **Scand J Infect Dis** 1986;18(6):567–73

Bacteremia following transurethral instrumentation. The predictive value of a serum bactericidal activity test. Arpi M, et al. **Scand J Urol Nephrol** 1986;20(3):169–76

Bladder neck incision or transurethral electroresection for the treatment of urinary obstruction caused by a small benign prostate? A randomized urodynamic study. Hellström P, et al. **Scand J Urol Nephrol** 1986;20(3):187–92

Transurethral versus transvesical prostatectomy. Clinical, urodynamic, renographic and economic aspects. A randomized study. Meyhoff HH. **Scand J Urol Nephrol [Suppl]** 1987;102:1–26

Incidence of serum acid phosphatase elevation after transurethral prostatectomy. O'Donnell PD, et al. **South Med J** 1987 Apr;80(4):428–9

Identification of ureteral orifices during suprapubic prostatectomy. Fischman JL, et al. **Urology** 1987 May;:31

Blood loss in prostatectomy. Comparison between injected and noninjected prostates. Muzafer MH. **Urology** 1987 Mar; 29(3):262–4

Management of bladder stones: should transurethral prostatic resection be performed in combination with cystolitholapaxy? Nseyo UO, et al. **Urology** 1987 Mar; 29(3):265–7

Long-term autopsy findings following radical prostatectomy. Oesterling JE, et al. **Urology** 1987 Jun;29(6):584–8

Radical prostatectomy or radiotherapy in carcinoma of prostate. The dilemma continues. Pilepich MV, et al. **Urology** 1987 Jul;30(1):18–21

Bladder replacement with sigmoid colon after radical cystoprostatectomy. Reddy PK, et al. **Urology** 1987 Apr; 29(4):368–71

Detubularized sigmoid reservoir for bladder replacement after cystoprostatectomy. Preliminary report of new configuration. Reddy PK. **Urology** 1987 Jun;29(6):625–8

[Propofol in urological endoscopy in elderly patients. Comparison with methohexital] Delhumeau A, et al. **Ann Fr Anesth Reanim** 1987;6(4):313–9 (Eng. Abstr.) **(Fre)**

[Cancer of the prostate: therapeutic trials in 1985] Bolla M. **Bull Cancer (Paris)** 1986;73(1):74–80 (Eng. Abstr.) **(Fre)**

[Localized prostatic cancer. Comparison of radical prostatectomy versus radiotherapy] Grups JW, et al. **Fortschr Med** 1986 Sep 18;104(35):651–3 (Eng. Abstr.) **(Ger)**

[Radical prostatectomy in stage C prostatic cancer] Flamm J, et al. **Z Urol Nephrol** 1987 Mar;80(3):185–9 (Eng. Abstr.) **(Ger)**

[Blood loss during transvesical prostatectomy] Longhi A, et al. **Minerva Anestesiol** 1986 Jun–Jul;52(6–7):217–20 (Eng. Abstr.) **(Ita)**

[Antibiotic prevention with mezlocillin in endoscopic urologic surgery in the aged] Laudi M, et al. **Minerva Urol Nefrol** 1987 Jan–Mar;39(1):29–31 (Eng. Abstr.) **(Ita)**

[The urethral canal in the prostatectomy patient. Echographic aspects] Bazzocchi M, et al. **Radiol Med (Torino)** 1987 Jun;73(6):523–9 (Eng. Abstr.) **(Ita)**

[Urinary tract infection associated with benign prostatic hypertrophy and related diseases and transurethral surgery] Okishio N, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1610–6 (Eng. Abstr.) **(Jpn)**

[Topical use of thrombin in prostatic surgery] Suzuki R, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1461–4 (Eng. Abstr.) **(Jpn)**

[Incidence of infection after transurethral prostatectomy] Fujita K, et al. **Jpn J Antibiot** 1986 Apr;39(4):905–8 (Eng. Abstr.) **(Jpn)**

[Effect of osmolality of the irrigation fluid on water intoxication during transurethral resection of the prostate] Takenaka T, et al. **Masui** 1986 Nov;35(11):1722–6 (Eng. Abstr.) **(Jpn)**

[1,686 consecutive prostatectomies at 8 national hospitals] Fujita K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct; 77(10):1631–6 (Eng. Abstr.) **(Jpn)**

[Incidental carcinoma of the prostate in transurethral resection specimens] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):963–8 (Eng. Abstr.) **(Jpn)**

[Adenomectomy with temporary use of an artificial cardiac stimulator] Dzhumagaldiev RZh, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):127–8 **(Rus)**

[Use of ultrasound and sodium chloride baths in the therapy of postoperative complications in patients following prostatic adenomectomy] Nesterov NI, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

[Prevention of secondary urinary tract infection associated with catheterization after adenomectomy] Stratev S, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):38–41 (Eng. Abstr.) **(Rus)**

[Fibrinolytic hemorrhages in patients with prostatic adenoma treated with acetylsalicylic acid in the preoperative period] Gavriliuk AI. **Vrach Delo** 1987 Jan;(1):96–8 **(Rus)**

ADVERSE EFFECTS

Sexual dysfunction after prostatectomy. Bolt JW, et al. **Br J Urol** 1987 Apr;59(4):319–22

Antibiotic prophylaxis and secondary haemorrhage following transurethral resection of the prostate: a prospective trial. Harvey MH, et al. **Br J Urol** 1986 Aug;58(4):450–2

Vesical calculus after transurethral resection of prostate. Reddy PS. **Br J Urol** 1986 Dec;58(6):731

Transurethral prostatectomy complicated by intraperitoneal extravasation of irrigating fluid. Weber S, et al. **Can J Anaesth** 1987 Mar;34(2):193–5

The correlation of pretreatment transurethral resection of prostatic cancer with tumor dissemination and disease-free survival. A univariate and multivariate analysis. Forman JD, et al. **Cancer** 1986 Oct 15;58(8):1770–8

Changes in the sexual behavior of couples after prostatectomy. A prospective study. Cytron S, et al. **Eur Urol** 1987;13(1–2):35–8

Septicemia following transurethral resection of the prostate [letter] Brooks M. **J Urol** 1986 Oct;136(4):920

Perioperative and postoperative complications from bilateral pelvic lymphadenectomy and radical retropubic prostatectomy. Igel TC, et al. **J Urol** 1987 Jun; 137(6):1189–91

Does transurethral resection of the prostate promote metastatic disease? Paulson DF, et al. **J Urol** 1987 Jul; 138(1):90–1

Use of claims data systems to evaluate health care outcomes. Mortality and reoperation following prostatectomy. Wennberg JE, et al. **JAMA** 1987 Feb 20;257(7):933–6

Monitoring fluid absorption during TURP by marking the irrigating solution with ethanol. Hultén JO, et al. **Scand J Urol Nephrol** 1986;20(4):245–51

Etiology of urethral stricture following transurethral prostatectomy. A retrospective study. Jørgensen PE, et al. **Scand J Urol Nephrol** 1986;20(4):253–5

Significance of the extent of transurethral prostatic resection for postoperative complications. Lundhus E, et al. **Scand J Urol Nephrol** 1987;21(1):9–12

Bladder herniation through abdominal wall: an exceptional complication of retropubic prostatic adenomectomy. Calabró A, et al. **Urol Radiol** 1987;9(1):56

Prostatic invasion of rectal carcinoma: does transurethral surgery alter prognosis? Simon A, et al. **Urology** 1987 Jan; 29(1):71–2

[Urodynamic study of urinary incontinence following prostatic adenomectomy] Conquy S, et al. **Ann Urol (Paris)** 1986;20(5):311–5 (Eng. Abstr.) **(Fre)**

[Risk of stenosis and incontinence after using a No. 27 resector and preventive urethrotomy for transurethral resections of the prostate] Al Youssef I, et al. **Ann Urol (Paris)** 1986;20(5):331–2 (Eng. Abstr.) **(Fre)**

[Puigvert's operation in male urinary incontinence] Staerman F, et al. **J Urol (Paris)** 1987;93(1):35–6 (Eng. Abstr.) **(Fre)**

[Acute renal failure after prostatic adenomectomy. Role of cerclage of the bladder neck (letter)] Charton M, et al. **Presse Med** 1986 Jul 5–12;15(27):1286–7 **(Fre)**

[The management of bleeding following transurethral prostatic resection by local irrigation with a thrombin solution] Mitsubayashi S, et al. **Hinyokika Kiyo** 1986 Sep; 32(9):1371–7 (Eng. Abstr.) **(Jpn)**

[Secondary sclerosis of the bladder neck] Kadan MS. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):11–4 (Eng. Abstr.) **(Rus)**

[Evaluation of the anatomo-functional status of the lower urinary tract of patients with urinary incontinence after prostatic adenomectomy] Zakhmatov IuM, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):29–31 (Eng. Abstr.) **(Rus)**

ECONOMICS

A comparison of the cost of various treatment methods for early cancer of the prostate. Hanks GE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1879–81

METHODS

Transurethral prostatectomy: a bloodspilling technique. Gentens P, et al. **Acta Chir Belg** 1986 Nov–Dec; 86(6):349–51

Radical retropubic prostatectomy. Campbell and Walsh techniques. LaFollette SS. **AORN J** 1987 Jan;45(1):57–63, 66–71

The effect of warm irrigation on blood loss during transurethral prostatectomy under spinal anaesthesia. Heathcote PS, et al. **Br J Urol** 1986 Dec;58(6):669–71

Reduction of post-operative bleeding after transurethral resection of the prostate by local instillation of fibrin adhesive (Beriplast). Luke M, et al. **Br J Urol** 1986 Dec; 58(6):672–5

The role of radical prostatectomy in the management of prostatic cancer. Walsh PC, et al. **Cancer** 1987 Aug 1;60(3 Suppl):526–37

Combined prostatectomy and retropubic prostatectomy on patients eighty years old or older with benign prostatic hyperplasia. Miyake K, et al. **Hinyokika Kiyo** 1986 Jul; 32(7):977–80

Localized prostatic cancer. Fowler JE Jr, et al. **IMJ** 1987 Aug;172(2):91–5

Cystoprostatectomy for bladder cancer with preservation of potency and no stoma. Javadpour N. **J Urol** 1986 Dec; 136(6):1377

Technical nuances and surgical results of radical retropubic prostatectomy in 150 patients. Lange PH, et al. **J Urol** 1987 Aug;138(2):348–52

Prostate shape, external striated urethral sphincter and radical prostatectomy: the apical dissection. Myers RP, et al. **J Urol** 1987 Sep;138(3):543–50

Medicolegal ramifications of surgical practice [letter] Thompson IM, et al. **Milit Med** 1986 Dec;151(12):670–1

Early experience with Walsh technique of radical retropubic prostatectomy. Fowler JE Jr, et al. **Urology** 1987 Mar; 29(3):242–6

Simplified technique for management of Santorini plexus and puboprostatic ligaments during radical retropubic prostatectomy. Hayashi T, et al. **Urology** 1986 Oct; 28(4):322–3

Prostatectomy and sexual function. Libman E, et al. **Urology** 1987 May;29(5):467–78 (32 ref.)

Electroanalgesia in urologic surgery. Merrill DC. **Urology** 1987 May;29(5):494–7

Videoprostatectomy. Widran J. **Urology** 1987 Feb; 29(2):191–2

Videoprostatectomy or armchair prostatectomy [letter] Yachia D. **Urology** 1987 Aug;30(2):189

Length of hospitalization for transurethral resections. Moffat NA. **Wis Med J** 1986 Sep;85(9):30

[Intraoperative transurethral ultrasonic monitoring during transurethral resection of the prostate gland] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1987;40(2):20–1 **(Bul)**

[Adenoma of the prostate gland and azotemia. Open-type surgery or transurethral resection?] Panchev P, et al. **Khirurgiia (Sofiia)** 1987;40(2):36–8 (Eng. Abstr.) **(Bul)**

[Prostatic hypertrophy. The signaificance of the extent of prostatic resection for relief of infravesical obstruction] Lundbus E, et al. **Ugeskr Laeger** 1986 Aug 18; 148(34):2152–4 (Eng. Abstr.) **(Dan)**

[Total prostatectomy with preservation of erection. Surgical technic] Leandri P, et al. **Ann Urol (Paris)** 1986;20(6):390–6 (Eng. Abstr.) **(Fre)**

[Radical prostatectomy in cancer of the prostate. Our experience apropos of 55 cases with 3-year follow-up] Leandri P, et al. **Ann Urol (Paris)** 1986;20(6):419–21 (Eng. Abstr.) **(Fre)**

[Treatment of cervico-prostatic obstruction by endoscopic incision of the prostate. Apropos of 16 patients] Zerbib M, et al. **Ann Urol (Paris)** 1986;20(5):345–8 (Eng. Abstr.) **(Fre)**

[Results after radical prostatectomy for prostate carcinoma] Studer UE, et al. **Schweiz Med Wochenschr** 1986 Dec 27; 116(52):1834–40 (Eng. Abstr.) **(Ger)**

[A study on hemorrhage during and after operation of TURP (transurethral prostatic resection)—effect of morphine or buprenorphine for suppression of postoperative hemorrhage by epidural infusion] Kato H, et al. **Hinyokika Kiyo** 1986 Jun;32(6):827–33 (Eng. Abstr.) **(Jpn)**

[Various problems concerning the treatment of benign prostatic hypertrophy—operative treatment; subcapsular prostatectomy] Komatz Y, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1590–3 (Eng. Abstr.) **(Jpn)**

[Transurethral resection of the prostate in benign prostatic hypertrophy] Yano H, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1594–8 (Eng. Abstr.) **(Jpn)**

[Cryoprostatectomy—practice and problems] Yasumoto R, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1599–604 (Eng. Abstr.) **(Jpn)**

[Clinical studies on cases of suprapubic prostatectomy] Yoneda F, et al. **Hinyokika Kiyo** 1987 Jan;33(1):65–8 (Eng. Abstr.) **(Jpn)**

[Radical transurethral resection of prostate for spinal cord bladder: its therapeutic effects and urodynamic evaluations] Morita H. **Hokkaido Igaku Zasshi** 1987 Jan;62(1):82–95 (Eng. Abstr.) **(Jpn)**

[Transurethral prostatectomy in cancer] Fujita K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1637–9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of transurethral prostatic resection] Kudoh K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1300–9 (Eng. Abstr.) **(Jpn)**

MORTALITY

A population-based study of prostatectomy: outcomes associated with differing surgical approaches. Roos NP, et al. **J Urol** 1987 Jun;137(6):1184–8

PROSTATIC DISEASES

Prostatic abscess [editorial] Meares EM Jr. **J Urol** 1986 Dec; 136(6):1281–2

Swedish Association of Urology. Proceedings of the annual meeting 1985 and the spring meeting 1986. Stockholm, November 27–29, 1985, and Linköping, May 29–30, 1986. Abstracts. **Scand J Urol Nephrol [Suppl]** 1986;101:1–34

COMPLICATIONS

Prostatism and male urinary incontinence. Khan Z, et al. **Semin Urol** 1987 May;5(2):108–13

CONGENITAL

[Congenital cysts of the prostatic utricle] Extramiana J, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):493–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cytologic diagnosis of prostatic malakoplakia. Report of three cases. Cazzaniga MG, et al. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):48–52

Prostatic abscess: CT and sonographic findings. Thornhill BA, et al. **AJR** 1987 May;148(5):899–900

Diagnosis of prostatic abscess [letter] Weinberger M, et al. **Am J Med** 1987 Aug;83(2):379–80

Uroflowmetry in asymptomatic elderly males. Jørgensen JB, et al. **Br J Urol** 1986 Aug;58(4):390–5

Ultrasound diagnosis of a prostatic cyst causing acute urinary retention. Hamilton S, et al. **J Ultrasound Med** 1987 Jul; 6(7):385–7

Transrectal longitudinal ultrasonography of prostatic abscess. Sugao H, et al. **J Urol** 1986 Dec;136(6):1316–7

Prostatic disorders: MR imaging at 1.5 T. Phillips ME, et al. **Radiology** 1987 Aug;164(2):386–92

Magnetic resonance imaging of prostato-vesical obstruction. Lamarque JL, et al. **Rays** 1986 Sep–Dec;11(3):23–31

Müllerian duct cyst. Clinical evaluation and role of ultrasonography and computed tomography in diagnosis. Rosi P, et al. **Rays** 1985 Sep–Dec;10(3):77–84

Update on prostatic ultrasound. Sanders RC, et al. **Urol Radiol** 1987;9(2):110–8

[Magnetic resonance imaging of the prostatovesical area] Lamarque JL, et al. **Ann Radiol (Paris)** 1986;29(7):593–606 (Eng. Abstr.) **(Fre)**

[Prostatic pathology imaged by magnetic resonance. 58 cases] Gevenois PA, et al. **J Radiol** 1987 Mar;68(3):185–92 (Eng. Abstr.) **(Fre)**

[Prostatic echography using the transrectal approach. A preliminary report apropos of our experience with more than 400 cases] Ducassou JD, et al. **J Urol (Paris)** 1986; 92(4):249–50 **(Fre)**

[Transrectal sonography in prostatic diseases] Wiegand S, et al. **Dtsch Med Wochenschr** 1986 Oct 17;111(42):1606–7 **(Ger)**

[Transrectal sonographic study in prostatic lithiasis] Capobianco S, et al. **Minerva Urol Nefrol** 1986 Oct–Dec; 38(4):375–8 (Eng. Abstr.) **(Ita)**

[Suprapubic ultrasonic diagnosis of the prostate] Gardellin G, et al. **Radiol Med (Torino)** 1986 Sep;72(9):648–51 (Eng. Abstr.) **(Ita)**

[Transrectal longitudinal scanning in the diagnosis of diseases of the prostate gland] Tsyb AF, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):31–4 (Eng. Abstr.) **(Rus)**

[Evaluation of the specificity of specificity of prostate-specific antigen (PSA) and prostatic acid phosphatase (PAP) in prostate pathology] Morote Robles J, et al. **Actas Urol Esp** 1987 Mar–Apr;11(2):176–9 (Eng. Abstr.) **(Spa)**

[Analysis of the incidence of seminal and prostatic lithiasis by transrectal echography] Espuela Orgaz R, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):609–15 (Eng. Abstr.) **(Spa)**

[Malakoplakia of the prostate] Morales Calderón M, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):433–5 (Eng. Abstr.) **(Spa)**

[Wegener's granulomatosis: initial form of prostatic involvement (letter)] de Celis G, et al. **Rev Clin Esp** 1987 May;180(9):518–9 **(Spa)**

DRUG THERAPY

International symposium: Hormonal Therapy of Prostatic Diseases: Basic and Clinical Aspects. Milano, Italy, April 6–8, 1987. Abstracts of lectures and free communications. **J Endocrinol Invest** 1987;10 Suppl 2:1–95

ETIOLOGY

Giant "dumb-bell" vesicoprostatic calculusDesai KM, et al. **Br J Urol** 1987 May;59(5):483

Prostatocutaneous urinary fistula to the thigh after retropubic prostatectomy in a patient with polycythaemia rubra vera. Snooks SJ, et al. **Br J Urol** 1986 Oct;58(5):558

A case of melioidosis presenting with prostatic abscess in Hong Kong. Woo ML, et al. **J Urol** 1987 Jan;137(1):120–1

METABOLISM

Large brushite stone in a dilated prostatic urethra. Kato H, et al. **J Urol** 1987 Jul;138(1):154–5

OCCURRENCE

[Mass screening of prostatic diseases] Furuya S. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):520 **(Jpn)**

PATHOLOGY

Renal and prostatic malakoplakia associated with submassive hepatic necrosis. A case report with immunocytochemical, ultrastructural and X-ray analytical observations. Nonomura A, et al. **Acta Pathol Jpn** 1986 Aug; 36(8):1251–62

Focal palisading granuloma in the prostate and bladder. A clinicopathologic study of 88 total cystectomy specimens. Yamada Y. **Acta Pathol Jpn** 1986 Dec;36(12):1813–22

Prostatic calculi. Søndergaard G, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 May; 95(3):141–5

Prostatic biopsy guided by transrectal ultrasonography using real-time linear scanner. Abe M, et al. **Urology** 1987 May; 29(5):567–9

[Six-year experience with sonometrics of the prostate. I: Contribution of sonometrics to diagnosis] Higuchi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep; 77(9):1455–60 (Eng. Abstr.) **(Jpn)**

[Critical study of 120 cases of transrectal biopsy of the prostate] de Campos-Freire G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jan–Feb; 41(1):28–30 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

Computed axial tomography in the early diagnosis of prostatic abscess. Chia JK, et al. **Am J Med** 1986 Nov; 81(5):942–4

Computed axial tomography in the early diagnosis of prostatic abscess [letter] Lentino JR. **Am J Med** 1987 Apr; 82(4):858–9

Prostatic abscess: computerized tomography scanning as an aid to diagnosis and treatment. Vaccaro JA, et al. **J Urol** 1986 Dec;136(6):1318–9

[Vesiculography in sclerosis of the prostate] Monaf A. **Vrach Delo** 1987 Jan;(1):98–9 (Eng. Abstr.) **(Rus)**

SURGERY

Antibiotic prophylaxis for prostatic surgery. Single-dose cephradine compared with single-dose cefotaxime. Bentsi IK, et al. **Br J Urol** 1987 Apr;59(4):314–8

THERAPY

Managing prostate disorders in middle age and beyond. Loughlin KR, et al. **Geriatrics** 1987 Jul;42(7):45–52, 55–6

VETERINARY

Canine prostatic disease—comparison of ultrasonographic appearance with morphologic and microbiologic findings: 30 cases (1981–1985). Feeney DA, et al. **J Am Vet Med Assoc** 1987 Apr 15;190(8):1027–34

Canine prostatic disease—comparison of radiographic appearance with morphologic and microbiologic findings: 30 cases (1981–1985). Feeney DA, et al. **J Am Vet Med Assoc** 1987 Apr 15;190(8):1018–26

PROSTATIC HYPERTROPHY

BLOOD

Circulating levels of inhibin, prolactin, TSH, LH, and FSH in benign prostatic hypertrophy before and after tumor resection. Phadke MA, et al. **Prostate** 1987;10(2):115–22

[Serum selenium levels of patients with adenoma and carcinoma of the prostate gland] Tsachev K, et al. **Khirurgiia (Sofiia)** 1987;40(2):33–5 **(Bul)**

COMPLICATIONS

Benign prostatic hyperplasia and uterine leiomyomas in a female pseudohermaphrodite: a case report. Heyns CF, et al. **J Urol** 1987 Jun;137(6):1245–7

The significance of asymptomatic microhematuria in men 50 or more years old: findings of a home screening study using urinary dipsticks. Messing EM, et al. **J Urol** 1987 May; 137(5):919–22

Obstructive nephropathy in urologic tumors—clinical study of 616 urologic tumors. Yazaki T, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):363–6

Urophonographic studies of the lower urinary tract: a new approach to urodynamics. Koiso K, et al. **Tohoku J Exp Med** 1987 Jan;151(1):57–64

[A case from practice (72). Patient: W.A., born 1–1–1928, precision tool maker] Veltin L. **Schweiz Rundsch Med Prax** 1987 Jan 27;76(5):115–6 **(Ger)**

[Clinical studies on medical disorders of patients with benign prostatic hypertrophy over 65 years of age] Shiraiwa K, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1605–9 (Eng. Abstr.) **(Jpn)**

[Tactics of the surgical treatment of patients with prostatic adenoma and acute urinary retention] Borzhievskil TsK, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):39–43 (Eng. Abstr.) **(Rus)**

[First experiences with the steel spiral in lieu of the permanent catheter] Reuter HJ, et al. **Arch Esp Urol** 1986 Sep;39 Suppl 1:65–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Transabdominal ultrasound versus excretory urography in preoperative evaluation of patients with prostatism. Cascione CJ, et al. **J Urol** 1987 May;137(5):883–5

Quantitative analysis of ultrasonogram of the prostate. Kimura A, et al. **JCU** 1986 Sep;14(7):501–7

In vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging. Kjaer L, et al. **Magn Reson Imaging** 1987;5(1):23–30

The reliability of transabdominal ultrasound scanning in the determination of prostatic volume. An autopsy study. Vilmann P, et al. **Scand J Urol Nephrol** 1987;21(1):5–7

Prostatic ultrasonography: applicability in a small hospital. Martin DS. **South Med J** 1986 Oct;79(10):1261–3

Development of benign prostatic hypertrophy estimated from ultrasonic measurement with long–term follow up. Ohnishi K, et al. **Tohoku J Exp Med** 1987 Jan;151(1):51–6

Evaluation of prostate size: a comparison of ultrasound and magnetic resonance imaging. Hricak H, et al. **Urol Radiol** 1987;9(1):1–8

Real–time transrectal sonographic voiding cystourethrography. Porena M, et al. **Urology** 1987 Aug; 30(2):171–5

[Prostatic hypertrophy. Core material from a county] Dørflinger T, et al. **Ugeskr Laeger** 1986 Aug 18; 148(34):2149–52 (Eng. Abstr.) **(Dan)**

[Prostatic carcinoma and benign hypertrophy. Magnetic resonance aspects] Gevenois PA, et al. **Acta Urol Belg** 1986; 54(3):294–303 (Eng. Abstr.) **(Fre)**

[How to examine for prostatic pathology. Intravenous urography or renovesicoprostatic echography?] Lukacs B, et al. **Acta Urol Belg** 1987;55(1):63–7 (Eng. Abstr.) **(Fre)**

[Value of intravenous urography in the preoperative evaluation for prostatectomy] Pacco J, et al. **Acta Urol Belg** 1987;55(1):68–73 (Eng. Abstr.) **(Fre)**

[Diagnostic possibilities of intracavitary sonography in urology] Jaeger N. **Dtsch Med Wochenschr** 1987 Apr 10; 112(15):597–9 **(Ger)**

[Atypical stroma cells in prostatic cancer: tumoral or reactive change?] Kiss F, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):233–7 (Eng. Abstr.) **(Hun)**

[Diagnostic problems in non–acute prostatitis: experience in 150 cases] Poletti F, et al. **Acta Biomed Ateneo Parmense** 1986;57(3–4):115–9 (Eng. Abstr.) **(Ita)**

[Diagnostic evaluation of nuclear magnetic resonance imaging in prostatic disease] Kishi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):969–76 (Eng. Abstr.) **(Jpn)**

[Transabdominal ultrasonography of patients with prostatism] Svendsen L, et al. **Tidsskr Nor Laegeforen** 1986 Nov 30; 106(33):2866–8 (Eng. Abstr.) **(Nor)**

DRUG THERAPY

Phenoxybenzamine in prostatic hypertrophy. A double–blind study. Ferrie BG, et al. **Br J Urol** 1987 Jan;59(1):63–5

Medical management of prostatic hyperplasia. Caine M. **Compr Ther** 1986 Dec;12(12):21–5

Clinical experience with alpha–adrenoceptor antagonists in benign prostatic hypertrophy. Caine M. **Fed Proc** 1986 Oct; 45(11):2604–8

Effect of a GnRH analogue (leuprolide) on benign prostatic hypertrophy. Gabrilove JL, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1331–3

Aromatase inhibitors and benign prostatic hyperplasia. Henderson D, et al. **J Steroid Biochem** 1986 Nov; 25(5B):867–76

The effect of nafarelin acetate, a luteinizing–hormone–releasing hormone agonist, on benign prostatic hyperplasia. Peters CA, et al. **N Engl J Med** 1987 Sep 3;317(10):599–604

The place of pharmacologic treatment in benign prostatic hyperplasia. Caine M. **Semin Urol** 1985 Nov;3(4):311–6 (28 ref.)

5–Fluorouracil (5–Fu) in the treatment of prostatic hyperplasia. Wei XY, et al. **Urol Res** 1987;15(1):35–7

[Regression of the symptoms of prostatic adenomas. Results of 6 months' conservative treatment using ERU capsules] Maar K. **Fortschr Med** 1987 Jan 10;105(1):18–20 (Eng. Abstr.) **(Ger)**

[Standardized extract of Pygeum africanum in the treatment of benign prostatic hypertrophy. Controlled clinical study versus placebo] Bassi P, et al. **Minerva Urol Nefrol** 1987 Jan–Mar;39(1):45–50 (Eng. Abstr.) **(Ita)**

[Mepartricin in the treatment of prostatic hypertrophy and correlated sexual disorders] Buffa G, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):121–4 (Eng. Abstr.) **(Ita)**

[Hormonal environment and antiandrogenic treatment in benign prostatic hypertrophy] Katayama T, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1584–9 (Eng. Abstr.) **(Jpn)**

[Conservative treatment of benign prostatic hypertrophy: reevaluation of the effect of eviprostat by subjective symptoms and uroflowmetry] Matsuura T, et al. **Hinyokika Kiyo** 1986 Jun;32(6):903–6 (Eng. Abstr.) **(Jpn)**

[Assessment of voiding disorders and conservative pharmacological treatment of benign prostatic hypertrophy] Park YC, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1576–83 (Eng. Abstr.) **(Jpn)**

[Six–year experience with sonometrics of the prostate. III: Effect of anti–androgen therapy on prostatic weight] Hayashida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1467–77 (Eng. Abstr.) **(Jpn)**

[Medical treatment of the prostatism syndrome. Comparative study] Martínez Agulló E, et al. **Arch Esp Urol** 1987 May; 40(4):247–53 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

17 beta–Hydroxysteroid dehydrogenase in the human prostate: properties and distribution between epithelium and stroma in benign hyperplastic tissue. Bartsch W, et al. **J Steroid Biochem** 1987 Jul;28(1):35–42

The possibility of aromatization of androgen in human prostate. Kaburagi Y, et al. **J Steroid Biochem** 1987 Jun; 26(6):739–42

Lysosomal localization of secretory prostatic acid phosphatase in human hyperplastic prostate epithelium. Zondervan PE, et al. **Urol Res** 1986;14(6):331–5

ETIOLOGY

Etiology of benign prostatic hyperplasia and approaches to its pharmacological management. Hieble JP, et al. **Fed Proc** 1986 Oct;45(11):2601–3

The testes and the prostate: a continuing relationship [editorial] Wilson JD. **N Engl J Med** 1987 Sep 3; 317(10):628–9

Effect of age, castration, and testosterone replacement on the development and restoration of canine benign prostatic hyperplasia. Berry SJ, et al. **Prostate** 1986;9(3):295–302

IMMUNOLOGY

Detection of blood group antigens in frozen sections of prostatic epithelium. Abel PD, et al. **Br J Urol** 1987 May; 59(5):430–5

[Behavior of prostate–specific antigen (PSA) in prostate tissue: correlation with prostatic acid phosphatase (PAP)] Morote Robles J, et al. **Actas Urol Esp** 1987 Mar–Apr; 11(2):180–3 (Eng. Abstr.) **(Spa)**

[Serum antibody levels of cytomegalovirus, herpes simplex type I and adenovirus in patients with benign or malignant prostatic neoplasms] Peker AF, et al. **Mikrobiyol Bul** 1986 Jul;20(3):165–75 (Eng. Abstr.) **(Tur)**

METABOLISM

Amino–terminal sequence of a large form of basic fibroblast growth factor isolated from human benign prostatic hyperplastic tissue. Story MT, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):702–9

Subcellular concentrations of calcium, zinc, and magnesium in benign nodular hyperplasia of the human prostate: X–ray microanalysis of freeze–dried cryosections. Tvedt KE, et al. **Cancer Res** 1987 Jan 1;47(1):323–8

Properties of progestin–binding protein in benign hypertrophic human prostate. Akimoto S, et al. **Endocrinol Jpn** 1986 Jun;33(3):423–32

Localization of epidermal growth factor receptors in the human prostate by biochemical and immunocytochemical methods. Maddy SQ, et al. **J Endocrinol** 1987 Apr; 113(1):147–53

Alpha–1 adrenoceptors in human prostate: characterization and alteration in benign prostatic hypertrophy. Yamada S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):326–30

Effect of 16 beta–ethyl–17 beta–hydroxy–4–estren–3–one (TSAA–291) on the binding of promegestone (R5020) and methyltrienolone (R1881) to hyperplastic and neoplastic human prostate. Bashirelahi N, et al. **J Steroid Biochem** 1986 Sep;25(3):367–74

Effect of antiandrogen and/or antiestrogen blockade on human prostate epithelial and stromal cell protein synthesis. Geller J, et al. **J Steroid Biochem** 1986 Nov;25(5B):759–63

Peptide–hormone– and serotonin–immunoreactive cells in normal and hyperplastic prostate glands. Abrahamsson PA, et al. **Pathol Res Pract** 1986 Dec;181(6):675–83

Estrogen formation in human prostatic tissue from patients with and without benign prostatic hyperplasia. Stone NN, et al. **Prostate** 1986;9(4):311–8

Intranuclear androgen receptor deployment and protooncogene expression in human diseased prostate. Phillips ME, et al. **Urol Int** 1987;42(2):115–9

[Hormone–dependency of the human prostate] Robel P. **Bull Cancer (Paris)** 1986;73(1):19–22 (Eng. Abstr.) **(Fre)**

[Imipenem/cilastatin: in vitro activity, concentrations in plasma and prostatic adenoma and therapeutic results in patients with complicated urinary tract infections] Naber KG, et al. **Infection** 1986;14 Suppl 2:S122–9 (Eng. Abstr.) **(Ger)**

MORTALITY

Trends in prostate cancer in the Republic of Ireland 1954–81. Corridan JP, et al. **Ir J Med Sci** 1987 Jan;156(1):6–8

PATHOLOGY

Periferal cystic hyperplasia of the prostate gland. Søndergaard G, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 May; 95(3):137–9

Artifactual changes mimicking signet ring cell carcinoma in transurethral prostatectomy specimens. Alguacil–Garcia A. **Am J Surg Pathol** 1986 Nov;10(11):795–800

Prostate cambial (stem)–zone and microcarcinoma: immunohistochemical and morphometric study approach. Battaglia S, et al. **Appl Pathol** 1985;3(4):255–61

Sclerosing adenosis of the prostate. Young RH, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):363–6

Etiological considerations for the growth of stroma in benign prostatic hyperplasia. Mawhinney MG. **Fed Proc** 1986 Oct; 45(11):2615–7

Correlation of biochemical (receptors, endogenous tissue hormones) and quantitative morphologic (stereologic) findings in normal and hyperplastic human prostates. Bartsch G, et al. **J Urol** 1987 Mar;137(3):559–64

Light–microscopic stereologic analysis of spontaneous and steroid–induced canine prostatic hyperplasia. Bartsch G, et al. **J Urol** 1987 Mar;137(3):552–8

Atrophy and proliferation in the young adult prostate. Gardner WA Jr, et al. **J Urol** 1987 Jan;137(1):53–6

The effects of interferons on the activity of alpha–glycerolphosphate dehydrogenase in benign prostatic hyperplasia cells in primary culture. Hayward S, et al. **J Urol** 1987 Sep;138(3):648–53

Pharmacological characteristics of smooth muscle in benign prostatic hyperplasia and normal prostatic tissue. Kitada S, et al. **J Urol** 1987 Jul;138(1):158–60

Phyllodes type of atypical prostatic hyperplasia: a report of 3 new cases. Reese JH, et al. **J Urol** 1987 Sep;138(3):623–6

Distribution of the prostatic lobes and origin of the benign prostatic hyperplasia. Hiraoka Y, et al. **Nippon Ika Daigaku Zasshi** 1986 Oct;53(5):531–3

Androgen receptors detected by autoradiography in prostatic carcinoma and benign prostatic hyperplastic tissue. Hulka BS, et al. **Prostate** 1987;10(3):223–33

T antigen expression in benign hyperplasia and adenocarcinoma of the prostate. Moriyama H, et al. **Urol Int** 1987;42(2):120–3

Latent carcinoma and atypical lesions of prostate. An autopsy study. Billis A. **Urology** 1986 Oct;28(4):324–9

Capsular influence on benign prostatic hyperplasia. Hinman F Jr. **Urology** 1986 Oct;28(4):347–50

Biological tissue markers in benign and malignant disease of the human prostate. Chastonay P, et al. **Virchows Arch [A]** 1986;410(3):221–9

[A pelvic tumor unusual in terms of its volume and clinical expression] Rischmann P, et al. **Ann Urol (Paris)** 1986; 20(5):353–4 (Eng. Abstr.) **(Fre)**

[Benign hyperplasia of the prostate—an autopsy analysis] Mehlhorn J. **Z Urol Nephrol** 1987 Jun;80(6):323–8 (Eng. Abstr.) **(Ger)**

[Six–year experience with sonometrics of the prostate. II: Natural history of prostatic hypertrophy] Kimura A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1461–6 (Eng. Abstr.) **(Jpn)**

[Intracavitary echography of the prostate] Boronat F, et al. **Actas Urol Esp** 1986 Nov–Dec;10(6):399–406 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Measurement of bladder volume by real–time ultrasound.

Kiely EA, et al. **Br J Urol** 1987 Jul;60(1):33–5

Comparison of the alpha-adrenoceptor characteristics in human and canine prostate. Hieble JP, et al. **Fed Proc** 1986 Oct;45(11):2609–14

Intratissular androgens in benign prostatic hyperplasia and prostatic cancer. Voigt KD, et al. **J Steroid Biochem** 1986 Nov;25(5B):749–57

Acute urinary retention secondary to benign prostatic hyperplasia. Effect of alpha-adrenergic blockade. Goodwin MI, et al. **Urol Int** 1986;41(6):430–1

[Bladder instability in patients with prostatic hypertrophy. Urodynamic study] Aragona F, et al. **Ann Urol (Paris)** 1987; 21(1):13–6 (Eng. Abstr.) **(Fre)**

[Pharmacologic study of nicergoline in the pathology of the cervico-prostatic sphincter] Ghaddar Y, et al. **Ann Urol (Paris)** 1987;21(2):107–14 (Eng. Abstr.) **(Fre)**

[Effects of nicergoline on artificially induced micturition in the rabbit with and without prostatic hypertrophy] Richard O, et al. **J Pharmacol** 1986 Oct-Dec;17(4):664–70 (Eng. Abstr.) **(Fre)**

[A urodynamic study of detrusor hyperreflexia in benign prostatic hypertrophy] Murayama K, et al. **Hinyokika Kiyo** 1987 Mar;33(3):375–9 (Eng. Abstr.) **(Jpn)**

[Abdominal straining during micturition. Third report: Before and after operation in benign prostatic hyperplasia] Morita M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1825–30 (Eng. Abstr.) **(Jpn)**

[A study of the physical property of the prostate (fourth report)—the tensile strength of the adenoma in benign prostatic hypertrophy] Ohnishi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):83–6 (Eng. Abstr.) **(Jpn)**

[A study of the physical properties of the prostate (first report)—prostatic pressure coefficient and presumed circle area ratio in benign prostatic hypertrophy] Ohnishi K. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1377–87 (Eng. Abstr.) **(Jpn)**

[A study of the physical properties of the prostate (second report)—the relationships between dysuria and the strength of the surgical capsule in benign prostatic hypertrophy] Ohnishi K. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep; 77(9):1388–99 (Eng. Abstr.) **(Jpn)**

[A study of the physical properties of the prostate (third report)—the relationship between the presumed circle area ratio (PCAR) and intraprostatic pressure] Ohnishi K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1400–4 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Excretory urography in patients with prostatism. Bundrick TJ, et al. **AJR** 1986 Nov;147(5):957–9

Urethroplasty with balloon catheter in prostatic hypertrophy. Castaneda F, et al. **AJR** 1987 Aug;149(2):313–4

Routine urography in men with prostatism. Talner LB. **AJR** 1986 Nov;147(5):960–1

[Intravenous urography in the management of prostatic adenoma] Hurard T, et al. **Acta Urol Belg** 1987;55(1):74–8 (Eng. Abstr.) **(Fre)**

[X-ray examinations of prostatic adenoma and carcinoma] Perelman VM, et al. **Radiol Diagn (Berl)** 1986;27(6):745–51 (Eng. Abstr.) **(Ger)**

SURGERY

Benign prostatomegaly, carcinoma and prostatitis. Brown RB. **Aust Fam Physician** 1986 Dec;15(12):1551, 1553–4, 1556–7 passim

Combined prostatectomy and retropubic prostatectomy on patients eighty years old or older with benign prostatic hyperplasia. Miyake K, et al. **Hinyokika Kiyo** 1986 Jul; 32(7):977–80

CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma. Parienty RA, et al. **J Comput Assist Tomogr** 1987 Jan-Feb;11(1):92–5

Deception. Kavka SJ. **Postgrad Med** 1987 Sep 15;82(4):73–4

Benign prostatic hypertrophy: retrograde transurethral dilation of the prostatic urethra in humans. Work in progress. Castaneda F, et al. **Radiology** 1987 Jun; 163(3):649–53

Prostatic urethra: experimental dilation in dogs. Castaneda F, et al. **Radiology** 1987 Jun;163(3):645–8

Bladder neck incision or transurethral electroresection for the treatment of urinary obstruction caused by a small benign prostate? A randomized urodynamic study. Hellström P, et al. **Scand J Urol Nephrol** 1986;20(3):187–92

Significance of the extent of transurethral prostatic resection for postoperative complications. Lundhus E, et al. **Scand J Urol Nephrol** 1987;21(1):9–12

Incidence of serum acid phosphatase elevation after transurethral prostatectomy. O'Donnell PD, et al. **South Med J** 1987 Apr;80(4):428–9

Prostatectomy and sexual function. Libman E, et al. **Urology** 1987 May;29(5):467–78 (32 ref.)

Management of bladder stones: should transurethral prostatic resection be performed in combination with cystolitholapaxy? Naeyo UO, et al. **Urology** 1987 Mar; 29(3):265–7

[Intraoperative transurethral ultrasonic monitoring during transurethral resection of the prostate gland] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1987;40(2):20–1 **(Bul)**

[Adenoma of the prostate gland and azotemia. Open-type surgery or transurethral resection?] Panchev P, et al. **Khirurgiia (Sofiia)** 1987;40(2):36–8 (Eng. Abstr.) **(Bul)**

[Prostatic hypertrophy. The significance of the extent of prostatic resection for relief of infravesical obstruction] Lundhus E, et al. **Ugeskr Laeger** 1986 Aug 18; 148(34):2152–4 (Eng. Abstr.) **(Dan)**

[Transurethral resection using glycine irrigation (published erratum appears in Ann Fr Anesth Reanim 1987;6(3):221)] Vila R, et al. **Ann Fr Anesth Reanim** 1987;6(1):48–9 (Eng. Abstr.) **(Fre)**

[Treatment of cervico-prostatic obstruction by endoscopic incision of the prostate. Apropos of 16 patients] Zerbib M, et al. **Ann Urol (Paris)** 1986;20(5):345–8 (Eng. Abstr.) **(Fre)**

[Spinal anesthesia with hyperbaric tetracaine and bupivacaine: velocity of spread, analgesic effect and motor blockade in various positions and injection volumes] Janik R, et al. **Reg Anaesth** 1986 Oct;9(4):110–5 (Eng. Abstr.) **(Ger)**

[Significance of drug prevention of thromboembolism in urologic risk patients] Schulz B, et al. **Z Urol Nephrol** 1987 Jan;80(1):37–42 (Eng. Abstr.) **(Ger)**

[A pre- and post-operative clinical study in three patients with benign prostatic hypertrophy and implicated chronic renal failure] Hirano S, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1105–12 (Eng. Abstr.) **(Jpn)**

[Various problems concerning the treatment of benign prostatic hypertrophy—operative treatment; subcapsular prostatectomy] Komatz Y, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1590–3 (Eng. Abstr.) **(Jpn)**

[Urinary tract infection associated with benign prostatic hypertrophy and related diseases and transurethral surgery] Okishio N, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1610–6 (Eng. Abstr.) **(Jpn)**

[Transurethral resection of the prostate in benign prostatic hypertrophy] Yano H, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1594–8 (Eng. Abstr.) **(Jpn)**

[Clinical studies on cases of suprapubic prostatectomy] Yoneda F, et al. **Hinyokika Kiyo** 1987 Jan;33(1):65–8 (Eng. Abstr.) **(Jpn)**

[Adenomectomy with temporary use of an artificial cardiac stimulator] Dzhumagaldiev RZh, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):127–8 **(Rus)**

[Prognosis of postoperative suppurative septic complications in patients with prostatic adenoma] Kovalev OV. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):50–3 (Eng. Abstr.) **(Rus)**

[Role of non-enzymatic fibrinolysis in the development of late hemorrhage after prostatic adenomectomy] Popov AI, et al. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):53–6 (Eng. Abstr.) **(Rus)**

[Relation between the results of prostate adenomectomy and the duration and extend of hospital examination] Shabad AL, et al. **Urol Nefrol (Mosk)** 1987 Jan-Feb;(1):34–9 (Eng. Abstr.) **(Rus)**

[Evaluation of the anatomo-functional status of the lower urinary tract of patients with urinary incontinence after prostatic adenomectomy] Zakhmatov IuM, et al. **Urol Nefrol (Mosk)** 1987 Jan-Feb;(1):29–31 (Eng. Abstr.) **(Rus)**

[Results of 700 cases of transurethral resections (1965–1985)] Guitián Rodríguez C. **Arch Esp Urol** 1986 Nov-Dec; 39(9):645–56 (Eng. Abstr.) **(Spa)**

THERAPY

Benign prostatic hyperplasia treated by castration or the LH-RH analogue buserelin: a report on 6 cases. Schroeder FH, et al. **Eur Urol** 1986;12(5):318–21

Diseases of prostate treated by local microwave hyperthermia. Servadio C, et al. **Urology** 1987 Aug; 30(2):97–9

[Current status of the treatment of prostatic hypertrophy] Yao XB. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):510–2 (43 ref.) **(Chi)**

[Prostate carcinoma and benign prostatic hyperplasia. Recent advances] Hiraoka Y, et al. **Nippon Ika Daigaku Zasshi** 1986 Oct;53(5):524–6 **(Jpn)**

[Fibrinolytic hemorrhages in patients with prostatic adenoma treated with acetylsalicylic acid in the preoperative period] Gavriliuk AI. **Vrach Delo** 1987 Jan;(1):96–8 **(Rus)**

URINE

Excretion of three major prostatic secretory proteins in the urine of normal men and patients with benign prostatic hypertrophy or prostate cancer. Tremblay J, et al. **Prostate** 1987;10(3):235–43

VETERINARY

Development of canine benign prostatic hyperplasia with age. Berry SJ, et al. **Prostate** 1986;9(4):363–73

PROSTATIC NEOPLASMS

Pelvic lymph node metastases in prostatic carcinoma. The value of touch imprint cytology. Gentry JF. **Am J Surg Pathol** 1986 Oct;10(10):718–27

Hormones and cancer: 90 years after Beatson. **Cancer Surv** 1986;5(3):435–687

Carcinosarcoma of the prostate. Ginesin Y, et al. **Eur Urol** 1986;12(6):441–2

Metastatic prostatic adenocarcinoma. Arora VK, et al. **Indian J Chest Dis Allied Sci** 1986 Apr-Jun;28(2):95–8

Total bone uptake in management of metastatic carcinoma of the prostate. Dann J, et al. **J Urol** 1987 Mar;137(3):444–8

Frozen section detection of lymph node metastases in prostatic carcinoma: accuracy in grossly uninvolved pelvic lymphadenectomy specimens. Epstein JI, et al. **J Urol** 1986 Dec;136(6):1234–7

Complete response of lung metastases caused by prostatic cancer after chronic administration of a gonadotropin-releasing hormone analog, buserelin (HOE 766). Koutsilieris M, et al. **Prostate** 1987;10(1):19–24

Prostatic cancer with metastasis to the testis. Lyngdorf P, et al. **Urol Int** 1987;42(1):77–8

Prostate carcinoma metastatic to ureter. Benejam R, et al. **Urology** 1987 Mar;29(3):325–7

[Bilateral mandibular head metastases of a prostatic carcinoma] Gormanns R, et al. **ROFO** 1987 Jun; 146(6):729–30 **(Ger)**

[Clinical tests for the diagnosis of bone metastasis of prostatic cancer. B. Serum alkaline phosphatase and its isoenzymes] Iino S. **Rinsho Byori** 1986 Jul;34 Spec No 68:136–46 **(Jpn)**

[Clinical tests for the diagnosis of bone metastasis of prostatic cancer. A. General hematological tests, including the reticulocyte count] Terada H. **Rinsho Byori** 1986 Jul;34 Spec No 68:129–35 **(Jpn)**

ANALYSIS

Distribution of keratin protein in normal prostate and prostatic tumors. An immunohistochemical study. Kuwahara T, et al. **Acta Pathol Jpn** 1987 Feb;37(2):339–42

DNA grading of malignancy and tumor regression in prostatic carcinoma under hormone therapy. Böcking A, et al. **Appl Pathol** 1985;3(4):206–14

Androgen binding in prostatic carcinoma by histochemistry: update 1985. Pertschuk LP, et al. **Appl Pathol** 1985; 3(4):221–9

Steroid hormone receptors and endocrine response of prostatic carcinoma. Jasper WS, et al. **Cancer Detect Prev** 1987;10(5–6):393–9

Inhibin-like material—an immunohistologic marker for prostatic origin of metastases. Sheth NA, et al. **Cancer Lett** 1987 Jul;36(1):93–8

Heparin binding affinity of rat prostatic growth factor in normal and cancerous prostates: partial purification and characterization of rat prostatic growth factor in the Dunning tumor. Matuo Y, et al. **Cancer Res** 1987 Jan 1; 47(1):188–92

Cytokeratin characterization of human prostatic carcinoma and its derived cell lines. Nagle RB, et al. **Cancer Res** 1987 Jan 1;47(1):281–6

Intranuclear distribution of androgen receptors in human prostate carcinoma. Kyprianou N, et al. **J Endocrinol** 1987 Jan;112(1):161–9

The response of poorly differentiated prostatic tumors to staining for prostate specific antigen and prostatic acid phosphatase: a comparative study. Keillor JS, et al. **J Urol** 1987 May;137(5):894–6

Peptide-hormone- and serotonin-immunoreactive tumour cells in carcinoma of the prostate. Abrahamsson PA, et al. **Pathol Res Pract** 1987 Jun;182(3):298–307

Micromethod for the determination of free and total prolactin receptors: measurement of receptor levels in normal and malignant mammary and prostate tissues. Ben-David M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8375–9

Characterization of androgen receptors in a transplantable human prostatic adenocarcinoma (PC-82). Brinkmann AO, et al. **Prostate** 1987;10(2):133–43

Androgen receptors detected by autoradiography in prostatic carcinoma and benign prostatic hyperplastic tissue. Hulka BS, et al. **Prostate** 1987;10(3):223–33

Isolation of a 41 kilodalton cytosol protein from the Dunning rat prostatic adenocarcinoma: characterization as depolymerized actin isomers. Nishi N, et al. **Prostate** 1987; 10(4):303–12

[Immunohistochemical demonstration of binding sites for peanut lectin (PNA) in prostatic carcinoma before and after antiandrogenic treatment] Wernert N, et al. **Verh Dtsch Ges Pathol** 1986;70:329–31 **(Ger)**

[Comparative evaluation of various tumor markers in prostatic cancer] Fukushima T, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:89–97 **(Jpn)**

[Behavior of prostate-specific antigen (PSA) in prostate tissue: correlation with prostatic acid phosphatase (PAP)] Morote Robles J, et al. **Actas Urol Esp** 1987 Mar-Apr; 11(2):180–3 (Eng. Abstr.) **(Spa)**

BLOOD

Case-control studies of selected hormones and prostate cancer. An epidemiologic review. Flanders WD. **Ala J Med Sci** 1986 Oct;23(4):439–43

Concomitant occurrence of disseminated intravascular coagulation and factor VIII inhibitor in a patient with prostatic cancer. Singal U, et al. **Am J Hematol** 1987 Jul; 25(3):237–42

Carcinoma of prostate: the effect of oestrogens on blood viscosity. Nandi SR, et al. **Br J Clin Pract** 1986 Sep; 40(9):383–5

Testosterone and gonadotrophin profiles in patients on daily or monthly LHRH analogue ICI 118630 (Zoladex) compared with orchiectomy. Grant JB, et al.

Br J Urol 1986 Oct;58(5):539–44

A single plasma sample method to assess disease activity in patients with bone metastases from carcinoma of the prostate. Nisbet AP, et al. **Br J Urol** 1986 Oct;58(5):545–8

Adrenal steroid levels in castrated men with prostatic carcinoma treated with aminoglutethimide plus hydrocortisone. Ahmann FR, et al. **Cancer Res** 1987 Sep 1;47(17):4736–9

Stimulation of the circulating levels of glycoprotein hormone alpha-subunit after combined administration of a luteinizing hormone-releasing hormone (LHRH) agonist and flutamide in patients with cancer of the prostate. St-Arnaud R, et al. **Clin Invest Med** 1986 Nov;9(4):215–21

Serum levels of neopterin as related to the prognosis of human prostatic carcinoma. Lewenhaupt A, et al. **Eur Urol** 1986;12(6):422–5

Bioavailability, distribution and pharmacokinetics of diethylstilbestrol converted from diethylstilbestrol diphosphate in patients with prostatic cancer. Nakamura K. **Hiroshima J Med Sci** 1986 Dec;35(4):325–38

Prostate-specific antigen. Superior serum marker for prostatic carcinoma. Heaney JA, et al. **Ir J Med Sci** 1987 May;156(5):138–41

Increase in plasma high-density lipoprotein concentration following complete androgen blockage in men with prostatic carcinoma. Moorjani S, et al. **Metabolism** 1987 Mar;36(3):244–50

The fibrinolytic system in experimental prostate tumor. Al-Mondhiry H, et al. **Thromb Haemost** 1986 Oct 21; 56(2):133–6

Rapid rise of serum acid phosphatase after irradiation of metastatic carcinoma of prostate. Kroll MH, et al. **Urology** 1987 Jun;29(6):650–2

Studies on platelet function in patients with prostatic cancer. Preliminary report. Yazaki T, et al. **Urology** 1987 Jul; 30(1):60–3

[Serum selenium levels of patients with adenoma and carcinoma of the prostate gland] Tsachev K, et al. **Khirurgiia (Sofiia)** 1987;40(2):33–5 **(Bul)**

[Plasma concentrations of fosfestrol as well as diethylstilbestrol on their conjugates following intravenous administration on prostatic carcinoma patients] Oelschläger H, et al. **Arzneimittelforschung** 1986 Aug;36(8):1284–9 (Eng. Abstr.) **(Ger)**

[Clinical significance of serum gamma-Sm determination] Eto K. **Rinsho Byori** 1986 Jul;34 Spec No 68:82–8 **(Jpn)**

[Dynamics of tumor markers in prostatic cancer] Matsuda M, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:98–105 **(Jpn)**

[A syndrome of hematological changes in cancer of the prostate gland] Rupniewska ZM, et al. **Pol Tyg Lek** 1969 Dec 1;24(48):1858–9 (Eng. Abstr.) **(Pol)**

[Plasma changes caused by estrogens in the vascular risk of prostatic carcinoma over a 3-year period] Daponte DP, et al. **Actas Urol Esp** 1986 Nov-Dec;10(6):437–40 (Eng. Abstr.) **(Spa)**

[Prognostic value of serum prolactin in the treatment of prostatic cancer] Maganto E, et al. **Actas Urol Esp** 1986 Nov-Dec;10(6):441–4 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Lack of tumorigenic response in the prostate gland of castrated F344 rats by 3,2'-dimethyl-4-aminobiphenyl given with methyltestosterone. Shirai T, et al. **Cancer Lett** 1987 Apr;35(1):1–6

Lesions of the prostate glands and seminal vesicles induced by N-methylnitrosourea in F344 rats pretreated with ethinyl estradiol. Shirai T, et al. **Cancer Lett** 1987 Apr; 35(1):7–15

Induction of prostate carcinoma in situ at high incidence in F344 rats by a combination of 3,2'-dimethyl-4-aminobiphenyl and ethinyl estradiol. Shirai T, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6423–6

Dietary fat in relation to hormonal induction of mammary and prostatic carcinoma in Nb rats. Carroll KK, et al. **Carcinogenesis** 1987 Jun;8(6):851–3

Prostatic cancer, butchers, and androgens [letter] James WH. **Lancet** 1987 Jan 24;1(8526):216–7

Prostate cancer and androgens [letter] [published erratum appears in Lancet 1987 Apr 25;1(8539):994] Johnson ES. **Lancet** 1987 Apr 4;1(8536):814

Adenocarcinoma of prostate in 40-year-old body-builder [letter] Roberts JT, et al. **Lancet** 1986 Sep 27;2(8509):742

Male contraception involving testosterone supplementation: possible increased risks of prostate cancer? [letter] Schally AV, et al. **Lancet** 1987 Feb 21;1(8530):448–9

Dihydrotestosterone does not induce prostate adenocarcinoma in L-W rats. Pollard M, et al. **Prostate** 1987;10(4):325–31

CLASSIFICATION

[Morphometric evaluation of the different classifications used in prostatic carcinoma] Vilches J, et al. **Actas Urol Esp** 1987 Jan-Feb;11(1):7–14 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Recurrent hemolytic uremic syndrome and metastatic malignancy. Sennesael JJ, et al. **Am J Nephrol** 1987; 7(1):60–4

Disseminated intravascular coagulation following transrectal prostatic biopsy. Harvey MH, et al. **Br J Urol** 1987 Apr; 59(4):363–4

Carcinoma of prostate presenting as dysphagia. Yawe T, et al. **Br J Urol** 1987 Feb;59(2):191–2

Carcinoma of the prostate presenting as acute disseminated intravascular coagulation. Grignon D, et al. **Can Med Assoc J** 1986 Oct 1;135(7):775–6

Multiple primary neoplasms in association with prostate cancer in black and white patients. Liskow AS, et al. **Cancer** 1987 Jan 15;59(2):380–4

Hemolytic uremic syndrome and prostatic adenocarcinoma [letter] Eugene M, et al. **Clin Nephrol** 1987 Jan;27(1):46

Thrombophlebitis migrans as a marker of malignancy. Mate-Kole MO, et al. **East Afr Med J** 1986 Sep;63(9):610–2

Can bone scans detect ureteral obstruction due to carcinoma of the prostate? Horan AH, et al. **Indiana Med** 1987 Jul; 80(7):642–4

Hypercalcemia in carcinoma of the prostate: case report and review of the literature. George AL Jr, et al. **J Urol** 1987 Feb;137(2):309–11

The use of ketoconazole in the emergency management of disseminated intravascular coagulation due to metastatic prostatic cancer. Lowe FC, et al. **J Urol** 1987 May; 137(5):1000–2

Intravesical alum irrigation for intractable bleeding secondary to adenocarcinoma of the prostate. Thompson IM, et al. **J Urol** 1987 Mar;137(3):525–6

Disseminated intravascular coagulation in prostatic carcinoma reversed by ketoconazole. Litt MR, et al. **JAMA** 1987 Sep 11;258(10):1361–2

Obstructive nephropathy in urologic tumors—clinical study of 616 urologic tumors. Yazaki T, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):363–6

Untreated prostatic carcinoma is not associated with frequent thrombohemorrhagic disorders. Drewinko B, et al. **Urology** 1987 Jul;30(1):11–7

Characteristics of spinal cord compression in adenocarcinoma of prostate. Kuban DA, et al. **Urology** 1986 Nov; 28(5):364–9

[Coagulation disorders in prostatic carcinoma] Burgos FJ, et al. **Actas Urol Esp** 1986 Nov-Dec;10(6):433–6 (Eng. Abstr.) **(Spa)**

[Presentation of a neoplasm of the prostate as a fever syndrome] Hernández Hernández A, et al. **Arch Esp Urol** 1987 Jan-Feb;40(1):43–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Advances in magnetic resonance imaging of the pelvis at 0.15 tesla. Hamlin DJ, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul-Aug;27(4):369–77

Endorectal sonography of the prostate: clinical implications. Rifkin MD. **AJR** 1987 Jun;148(6):1137–42 (26 ref.)

Early diagnosis of prostate cancer. Bueschen AJ. **Ala J Med Sci** 1987 Jan;24(1):58–60

Prostate cancer: new hope for early diagnosis. Cooner WH, et al. **Ala Med** 1987 Jun;56(12):13–6

Incidental adenocarcinoma in transurethral resections of the prostate. Partial versus complete microscopic examination. Rohr LR. **Am J Surg Pathol** 1987 Jan;11(1):53–8

Preliminary evaluation of measurement of serum prostate-specific antigen level in detection of prostate cancer. Wang TY, et al. **Ann Clin Lab Sci** 1986 Nov-Dec; 16(6):461–6

Transrectal ultrasonography of the prostate and prostate cancer—an update. Huben RP, et al. **Appl Pathol** 1985; 3(4):198–205

Endometrioid carcinoma of the prostatic utricle. Gillatt DA, et al. **Br J Urol** 1986 Oct;58(5):559–60

Carcinoma of the prostate presenting as acute disseminated intravascular coagulation [letter] Spector JI, et al. **Can Med Assoc J** 1987 Mar 15;136(6):570

Immunoelectron microscopic localization of prostatic-specific antigen in human prostate by the protein A-gold complex. Sinha AA, et al. **Cancer** 1987 Sep 15; 60(6):1288–93

The ultrasound appearances of prostatic cancer with histological correlation. Griffiths GJ, et al. **Clin Radiol** 1987 May;38(3):219–27

Prostate-specific acid phosphatase immunoreactivity in adenocarcinomas of the urinary bladder. Epstein JI, et al. **Hum Pathol** 1986 Sep;17(9):939–42

Prostate cancer [editorial] Fitzpatrick JM. **Ir J Med Sci** 1987 May;156(5):iii

Carcinoma of the prostate clinically and radiologically simulating malignant lymphoma. Liel Y, et al. **J Surg Oncol** 1987 Jun;35(2):113–6

Ultrasonography of prostatic carcinoma employing amplitude-enveloped (AM) and frequency-demodulated (FM) imaging: in vivo, in vitro, and pathologic correlation. Hamper UM, et al. **J Ultrasound Med** 1986 Oct; 5(10):557–62

Computerized tomography and transrectal ultrasound in the assessment of local extension of prostatic cancer before radical retropubic prostatectomy. Salo JO, et al. **J Urol** 1987 Mar;137(3):435–8

Re: An unusual presentation of carcinoma of the prostate [letter] Shetty MR. **J Urol** 1987 Aug;138(2):412

Primary transitional cell carcinoma of the prostate. Bodner DR, et al. **J Urol (Paris)** 1986;92(2):121–2

Quantitative analysis of ultrasonogram of the prostate. Kimura A, et al. **JCU** 1986 Sep;14(7):501–7

In vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging. Kjaer L, et al. **Magn Reson Imaging** 1987;5(1):23–30

Prostate-specific antigen [editorial] Gittes RF. **N Engl J Med** 1987 Oct 8;317(15):954–5

Prostate-specific antigen as a serum marker for adenocarcinoma of the prostate. Stamey TA, et al. **N Engl J Med** 1987 Oct 8;317(15):909–16

Clinical stage B prostate carcinoma: staging with MR imaging. Biondetti PR, et al. **Radiology** 1987 Feb; 162(2):325–9

The abnormal prostate: MR imaging at 1.5 T with histopathologic correlation. Carrol CL, et al. **Radiology** 1987 May;163(2):521–5

Needle aspiration and core biopsy of prostate cancer: comparative evaluation with biplanar transrectal US guidance. Lee F, et al. **Radiology** 1987 May;163(2):515–20

Prostatic ultrasonography: applicability in a small hospital. Martin DS. **South Med J** 1986 Oct;79(10):1261–3

Evaluation of effect of treatment for primary lesions of stage D2 prostatic cancer by means of transrectal ultrasonotomography. Ohe H, et al. **Tohoku J Exp Med** 1986 Jul;149(3):307–16

Evaluation of prostate size: a comparison of ultrasound and magnetic resonance imaging. Hricak H, et al. **Urol Radiol** 1987;9(1):1–8

Primary lymphoma of prostate presenting as bladder outflow obstruction. Fell P, et al. **Urology** 1987 May;29(5):555–6

[Pelvic lymphadenectomy in the diagnosis and treatment of prostatic carcinoma] Morávek P. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(5):473–86 (Eng. Abstr.) **(Cze)**

[Recognition of form in mathematic morphology, application to diagnostic echography of prostatic cancer] Brandt B, et al. **Acta Urol Belg** 1987;55(1):119–21 **(Fre)**

[Prostatic carcinoma and benign hypertrophy. Magnetic resonance aspects] Gevenois PA, et al. **Acta Urol Belg** 1986; 54(3):294–303 (Eng. Abstr.) **(Fre)**

[Unusual localization of pheochromocytoma of the prostate: value of echography] Pichat L, et al. **Ann Radiol (Paris)** 1986;29(5):480–2 (Eng. Abstr.) **(Fre)**

[Evaluation of endorectal ultrasonography in the diagnosis of prostatic cancer using a high-frequency sectorial intracavitary probe] Devonec M, et al. **Ann Urol (Paris)** 1987;21(1):17–22 (Eng. Abstr.) **(Fre)**

[Regressive retinal detachment disclosing a polynitotic prostatic process] Duret MH, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):229–31 (Eng. Abstr.) **(Fre)**

[Prostatic carcinoma: appearance in magnetic resonance imaging] Gevenois PA, et al. **J Belge Radiol** 1987; 70(2):109–13 (Eng. Abstr.) **(Fre)**

[Comparative diagnostic value of ultrasonics and rectal examination in prostatic cancer in a series of 213 patients] Devonec M, et al. **J Urol (Paris)** 1986;92(4):231–7 (Eng. Abstr.) **(Fre)**

[Tumor markers in urologic neoplasms] Wirth M, et al. **Fortschr Med** 1986 Sep 18;104(35):647–50 (Eng. Abstr.) **(Ger)**

[Prostatic cancer. Staging via transrectal prostatic sonography and computed tomography with histopathological correlation] Cordes M, et al. **ROFO** 1987 Apr;146(4):412–4 (Eng. Abstr.) **(Ger)**

[Atypical stroma cells in prostatic cancer: tumoral or reactive change?] Kiss F, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):233–7 (Eng. Abstr.) **(Hun)**

[Significance of transrectal prostate biopsy in the early recognition of prostatic cancer] Hübler J, et al. **Orv Hetil** 1986 Sep 14;127(37):2235–7 (Eng. Abstr.) **(Hun)**

[Adenocarcinoma of the prostate: role of PAP and PSA] Bordoni P, et al. **Minerva Urol Nefrol** 1987 Apr-Jun; 39(2):99–101 (Eng. Abstr.) **(Ita)**

[A case of leiomyosarcoma of the prostate] Ito Y, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1527–31 (Eng. Abstr.) **(Jpn)**

[The clinical evaluation of prostate-specific antigen as a serum marker of prostatic cancer] Hashimoto H, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):253–9 (Eng. Abstr.) **(Jpn)**

[Diagnostic evaluation of nuclear magnetic resonance imaging in prostatic disease] Kishi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):969–76 (Eng. Abstr.) **(Jpn)**

[Diagnosis of prostatic cancer in the aged by solid phase enzyme immuno assay] Nakauchi K, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):138–45 (Eng. Abstr.) **(Jpn)**

[Tests for prostate-derived enzymes. B. Immunochemical analysis of serum PAP and its clinical significance] Koiso K, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:42–9 **(Jpn)**

[Tests for prostate-derived enzymes. A. Analysis of serum acid phosphatase and its clinical significance] Yakata M, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:35–41 **(Jpn)**

[Efficacy of long-term monitoring of markers of prostate cancer, with special reference to gamma-Sm and PAP] Yonese Y, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:106–12 **(Jpn)**

[Prostatic cancer in a 15-year-old boy] Tomczykowski J, et al. **Wiad Lek** 1987 Apr 1;40(7):483–6 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of methods for detecting lymphogenic metastases in prostatic cancer] Schubert E, et al. **Urol Nefrol (Mosk)** 1987 Mar-Apr;(2):37-41 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Multicentric hepatocellular carcinoma following phosphate diethylstilbestrol therapy for prostatic cancer. Endo H, et al. **Acta Pathol Jpn** 1987 May;37(5):795-806

High-dose ketoconazole therapy in patients with metastatic prostate cancer. Tapazoglou E, et al. **Am J Clin Oncol** 1986 Oct;9(5):369-75

Treatment of stage D2 prostatic carcinoma with combined gonadal and adrenal suppression in a 60-year-old man. Gross KM, et al. **Am J Med** 1987 Aug;83(2):359-61

A new hormonal therapy for prostatic cancer: long-term clinical and hormonal response. Ahmed SR, et al. **Br J Urol** 1986 Oct;58(5):534-8

The treatment of metastatic prostatic cancer with the slow release LH-RH analogue Zoladex ICI 118630. Beacock CJ, et al. **Br J Urol** 1987 May;59(5):436-42

Phase II study of megestrol acetate for metastatic carcinoma of the prostate. Crombie C, et al. **Br J Urol** 1987 May; 59(5):443-6

The oestrogenic effects of ethinyl oestradiol/polyoestradiol phosphate and estramustine phosphate in patients with prostatic carcinoma. A comparative study of oestrogen sensitive liver proteins, gonadotrophins and prolactin. Daehlin L, et al. **Br J Urol** 1986 Aug;58(4):412-6

Comparison of primary orchiectomy with oestrogen therapy in advanced prostatic cancer. A 2-year follow-up report of a national, prospective prostatic cancer study. Haapiainen R, et al. **Br J Urol** 1986 Oct;58(5):528-33

Aminoglutethimide in advanced prostatic carcinoma. Harnett PR, et al. **Br J Urol** 1987 Apr;59(4):323-7

Flutamide as primary treatment for metastatic prostatic cancer. Lundgren R. **Br J Urol** 1987 Feb;59(2):156-8

Androgen suppression by hydrocortisone without aminoglutethimide in orchiectomised men with prostatic cancer. Plowman PN, et al. **Br J Urol** 1987 Mar;59(3):255-7

Biochemical monitoring of carcinoma of prostate treated with an LH-RH analogue (Zoladex). Siddall JK, et al. **Br J Urol** 1986 Dec;58(6):676-82

Gonadotropin releasing hormone (GnRH) analogs for the treatment of breast and prostatic carcinoma. Santen RJ, et al. **Breast Cancer Res Treat** 1986;7(3):129-45 (38 ref.)

Estramustine affects bone mineral metabolism in metastatic prostate cancer. Citrin DL, et al. **Cancer** 1986 Nov 15; 58(10):2208-13

Prostate cancer. Chemotherapy. Gibbons RP. **Cancer** 1987 Aug 1;60(3 Suppl):586-8

Intermittent endocrine therapy for advanced prostate cancer [published erratum appears in Cancer 1987 May 15;59(10):43A] Klotz LH, et al. **Cancer** 1986 Dec 1; 58(11):2546-50

Buserelin treatment of advanced prostatic carcinoma. Long-term follow-up of antitumor responses and improved quality of life. Present CA, et al. **Cancer** 1987 May 15; 59(10):1713-6

Pharmacokinetic and endocrinological parameters of a slow-release depot preparation of the GnRH analogue ICI 118630 (zoladex) compared with a subcutaneous bolus and continuous subcutaneous infusion of the same drug in patients with prostatic cancer. Perren TJ, et al. **Cancer Chemother Pharmacol** 1986;18(1):39-43

Etoposide in prostatic cancer: experimental studies and phase II trial in patients with bidimensionally measurable disease. Scher HI, et al. **Cancer Chemother Pharmacol** 1986; 18(1):24-6

The first clinical use of depot buserelin for advanced prostatic carcinoma. Waxman JH, et al. **Cancer Chemother Pharmacol** 1986;18(2):174-5

Cytotoxic activity of a polyamine analogue, monoaziridinylputrescine, against the PC-3 human prostatic carcinoma cell line. Heston WD, et al. **Cancer Res** 1987 Jul 15;47(14):3627-31

Hormone agonists and antagonists in the treatment of hormone sensitive breast and prostate cancer. Nicholson RI, et al. **Cancer Surv** 1986;5(3):463-86 (182 ref.)

Phase II evaluation of mitoguazone in metastatic hormone-resistant prostate cancer: a Southeastern Cancer Study Group trial. Moore MR, et al. **Cancer Treat Rep** 1987 Jan;71(1):89-90

Effects of high dose ketoconazole therapy on the main plasma testicular and adrenal steroids in previously untreated prostatic cancer patients. De Coster R, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):657-64

Leuprolide: a gonadotropin-releasing hormone analog for the palliative treatment of prostatic cancer. Wojciechowski NJ, et al. **Drug Intell Clin Pharm** 1986 Oct;20(10):746-51

Cyproterone acetate lead-in prevents initial rise of serum testosterone induced by luteinizing hormone-releasing hormone analogs in the treatment of metastatic carcinoma of the prostate. Boccon-Gibod L, et al. **Eur Urol** 1986; 12(6):400-2

Treatment of prostatic cancer with a depot form of a luteinizing hormone-releasing hormone analogue. Giuliani L, et al. **Eur Urol** 1986;12(6):390-4

Plasma concentrations of estradiol and testosterone in single-drug polyestradiol phosphate therapy for prostatic cancer. Norlén BJ, et al. **Eur Urol** 1987;13(3):193-7

Five-year clinical follow-up of prostatic cancer patients treated with fosfestrol and bromocriptine. Jeromin L, et al. **Int Urol Nephrol** 1987;19(1):81-5

Phase III studies in prostatic cancer with leuprolide acetate. Seely JH. **J Androl** 1987 Jan-Feb;8(1):S23-6

Nonsteroidal antiestrogens and partial estrogens with prostatic tumor inhibiting activity. Schneider MR, et al. **J Cancer Res Clin Oncol** 1986;112(3):258-65

Zoladex: a sustained-release, monthly luteinizing hormone-releasing hormone analogue for the treatment of advanced prostate cancer. Ahmann FR, et al. **J Clin Oncol** 1987 Jun;5(6):912-7

Intranasal buserelin in the treatment of advanced prostatic cancer: a phase II trial. Falkson G, et al. **J Clin Oncol** 1987 Sep;5(9):1419-23

International symposium: Hormonal Therapy of Prostatic Diseases: Basic and Clinical Aspects. Milano, Italy, April 6-8, 1987. Abstracts of lectures and free communications. **J Endocrinol Invest** 1987;10 Suppl 2:1-95

Pharmacology of antiandrogens. Neumann F, et al. **J Steroid Biochem** 1986 Nov;25(5B):885-95

Complete responses in metastatic transitional cell carcinoma of the prostate with cisplatin regimens. Dexeus FH, et al. **J Urol** 1987 Jan;137(1):122-5

Androgen priming and response to chemotherapy in advanced prostatic cancer. Manni A, et al. **J Urol** 1986 Dec;136(6):1242-6

Decrease of serum testosterone by cyproterone acetate accompanied by an unexpected increase of calcitonin secretion capacity. Mulder H, et al. **J Urol** 1987 Aug; 138(2):324-5

Long-term experience with high dose ketoconazole therapy in patients with stage D2 prostatic carcinoma. Pont A. **J Urol** 1987 May;137(5):902-4

Metastatic cancer of the prostate managed with buserelin versus buserelin plus cyproterone acetate. Schroeder FH, et al. **J Urol** 1987 May;137(5):912-8

Experimental treatment of prostatic cancer by intermittent hormonal therapy. Trachtenberg J. **J Urol** 1987 Apr; 137(4):785-8

Ketoconazole therapy in advanced prostatic cancer [editorial] Trachtenberg J. **J Urol** 1987 May;137(5):959

Ketoconazole therapy for advanced prostatic cancer: feasibility and treatment results. Vanuytsel L, et al. **J Urol** 1987 May;137(5):905-8

Inhibition of rat prostate tumor growth by an octapeptide analog of somatostatin. Murphy WA, et al. **Life Sci** 1987 Jun 29;40(26):2515-22

Administration of an LHRH-antagonist to male mice: effects on in vivo secretion of hormones and on the growth of a transplantable human prostatic carcinoma. van Steenbrugge GJ, et al. **Life Sci** 1987 Mar 30;40(13):1335-43

Fluorine-19 NMR studies of tumor-bearing rats treated with difluoromethylornithine. Joseph A, et al. **Magn Reson Med** 1987 Feb;4(2):137-43

Combination of a long-acting delivery system for luteinizing hormone-releasing hormone agonist with Novantrone chemotherapy: increased efficacy in the rat prostate cancer model. Schally AV, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8764-8

The effect of 4MA, a potent inhibitor of 5 alpha-reductase, on the growth of androgen-responsive human genitourinary tumors grown in athymic nude mice. Andriole GL, et al. **Prostate** 1987;10(3):189-97

Kinetic evaluation of the effect of LHRH analog on prostatic cancer using transrectal ultrasonotomography. Kojima M, et al. **Prostate** 1987;10(1):11-7

Phase II trial with D-Trp-6-LH-RH in prostatic carcinoma: comparison with other hormonal agents. Mathé G, et al. **Prostate** 1986;9(4):327-42

Histological findings in the rat prostate cancer model during treatment with a luteinizing hormone-releasing hormone agonist and novantrone. Paz-Bouza JI, et al. **Prostate** 1987; 10(4):291-302

Steroid-sensitive proteins, growth hormone and somatomedin C in prostatic cancer: effects of parenteral and oral estrogen therapy. Stege R, et al. **Prostate** 1987; 10(4):333-8

Role of prolactin in modulating the effects of tamoxifen on growth of the Dunning R3327 rat prostate adenocarcinoma. Sylvester PW, et al. **Prostate** 1987;10(1):57-67

Weekly low-dose adriamycin in hormone-resistant metastatic cancer of the prostate. Fossá SD, et al. **Scand J Urol Nephrol** 1987;21(1):13-6

Direct effects of oestradiol on growth and morphology of the Dunning R3327H prostatic carcinoma. Daehlin L, et al. **Urol Res** 1987;15(3):169-72

Influence of treatment with diethylstilbestrol for carcinoma of prostate on platelet aggregation and plasma lipoproteins. Agardh CD, et al. **Urology** 1986 Dec;28(6):469-71

Rhodamine-123 as effective agent in rat prostate tumor R3327-H. Preliminary report. Arcadi JA. **Urology** 1986 Dec;28(6):501-3

Value of cyclophosphamide or melphalan as combined chemotherapy in hormonally unresponsive prostatic carcinoma. Graham SD, et al. **Urology** 1986 Nov; 28(5):404-8

Phase I trial of alpha-difluoromethyl ornithine (DFMO) and methylglyoxal bis (guanylhydrazone) (MGBG) in patients with advanced prostatic cancer. Herr HW, et al. **Urology** 1986 Dec;28(6):508-11

Clinical evaluation of flutamide and estramustine as initial treatment of metastatic carcinoma of prostate. Johansson JE, et al. **Urology** 1987 Jan;29(1):55-9

Zoladex (ICI 118,630): clinical trial of new luteinizing hormone-releasing hormone analog in metastatic prostatic carcinoma. Murphy GP, et al. **Urology** 1987 Feb; 29(2):185-90

Effects of cyclophosphamide alone and scheduled methotrexate-5-fluorouracil combination chemotherapy on transplantable R-3327 prostatic adenocarcinoma in F1 hybrid male rat. Smith JB Jr, et al. **Urology** 1987 Aug; 30(2):143-6

[Ketoconazole—new possibilities of treatment in advanced stages of prostatic carcinoma] Svábenský M. **Cas Lek Cesk** 1986 Nov 28;125(48):1488-9 (Eng. Abstr.) **(Cze)**

[Treatment of advanced cancer of the prostate using LHRH analogs. How can a possible initial flare-up be prevented?] Bouffioux C, et al. **Acta Urol Belg** 1986;54(3):304-8 (Eng. Abstr.) **(Fre)**

[Cancer of the prostate: current status of chemotherapy] Bollak C, et al. **Bull Cancer (Paris)** 1986;73(1):61-4 (Eng. Abstr.) **(Fre)**

[Aminoglutethimide and cancer of the prostate] Bonneterre J. **Bull Cancer (Paris)** 1986;73(1):56-60 (Eng. Abstr.) **(Fre)**

[Metastatic cancer of the prostate: phase II study of spirogermanium (NSC 192965)] Bui NB, et al. **Bull Cancer (Paris)** 1986;73(1):65-7 (Eng. Abstr.) **(Fre)**

[Phase II trial of pepleomycin in metastatic cancer of the prostate (letter)] Garcia-Giralt E, et al. **Bull Cancer (Paris)** 1986;73(1):91-2 **(Fre)**

[Advanced cancer of the prostate: chemotherapy] Garcia-Giralt E, et al. **Bull Cancer (Paris)** 1986;73(1):68-73 (Eng. Abstr.) **(Fre)**

[Advanced cancer of the prostate. Treatment with an LH-RH agonist, D-Trp-6-LH-RH] Mathé G, et al. **Bull Cancer (Paris)** 1986;73(1):31-5 (Eng. Abstr.) **(Fre)**

[Cancer of the prostate: estrogen therapy] Mauriac L, et al. **Bull Cancer (Paris)** 1986;73(1):23-30 (Eng. Abstr.) **(Fre)**

[Cancer of the prostate: new hormone therapies] Namer M, et al. **Bull Cancer (Paris)** 1986;73(1):47-55 (Eng. Abstr.) **(Fre)**

[Influence of cardiovascular risk on survival in prostatic cancers stage C or D treated with high dose estrogen. Apropos of 170 cases] Burte R, et al. **J Urol (Paris)** 1986; 92(4):252-3 **(Fre)**

[Value of a LHRH agonist (Zoladex) in hormonotherapy of advanced cancers of the prostate. Apropos of 22 patients] Bourgne N, et al. **Rev Med Interne** 1987 May-Jun; 8(3):325-30 (Eng. Abstr.) **(Fre)**

[Advanced prostate cancer—a therapeutic dilemma?] Rübben H, et al. **Urologe [A]** 1987 Jan;26(1):7-14 (Eng. Abstr.) **(Ger)**

[Decapeptyl (D-Trp6-LH-RH) in the therapy of prostatic cancer with reference to the intramuscular administration of a depot preparation] Seppelt U, et al. **Urologe [A]** 1986 Sep;25(5):298-301 (Eng. Abstr.) **(Ger)**

[Clinical value of ethinyl estradiol sulfonate (Turisteron)—long-term results of a randomized compound study] Böhm WD, et al. **Z Urol Nephrol** 1987 Mar; 80(3):159-64 (Eng. Abstr.) **(Ger)**

[Experiences in the treatment of advanced prostatic cancer using Turisteron with special reference to cardiovascular complications] Drawz B, et al. **Z Urol Nephrol** 1987 Mar; 80(3):171-5 (Eng. Abstr.) **(Ger)**

[Initial results of a phase IV multicenter clinical trial of Turisteron in the treatment of prostate cancer] Guddat HM, et al. **Z Urol Nephrol** 1987 Mar;80(3):165-70 (Eng. Abstr.) **(Ger)**

[Clinical study of ethinyl estradiol sulfonate in conservative therapy of prostate cancer] Guddat HM, et al. **Z Urol Nephrol** 1987 Mar;80(3):125-33 (Eng. Abstr.) **(Ger)**

[Cellular immunity in prostatic cancer modified by Cytonal, Estrazyt and Turisteron] Klebingat KJ, et al. **Z Urol Nephrol** 1987 Mar;80(3):139-47 (Eng. Abstr.) **(Ger)**

[Conservative therapy of prostate cancer using Turisteron] Schnorr D, et al. **Z Urol Nephrol** 1987 Mar;80(3):149-57 (Eng. Abstr.) **(Ger)**

[Clinical experience using Turisteron in the treatment of prostatic cancer] Sladczyk E. **Z Urol Nephrol** 1987 Mar; 80(3):181-3 (Eng. Abstr.) **(Ger)**

[Inhibition of the free, biologically active testosterone level by Turisteron in patients with prostate cancer] Stahl F, et al. **Z Urol Nephrol** 1987 Mar;80(3):135-8 (Eng. Abstr.) **(Ger)**

[Liver damage in hormone therapy of prostate cancer] Zade W, et al. **Z Urol Nephrol** 1987 Mar;80(3):177-9 (Eng. Abstr.) **(Ger)**

[Hormonal therapy in prostatic carcinoma] Chitayat D, et al. **Harefuah** 1985 Mar 15;108(6):304-7 (43 ref.) **(Heb)**

[The use of agonist analogues of luteinizing hormone—releasing hormone in the treatment of prostatic carcinoma] Gez E, et al. **Harefuah** 1987 Mar 1; 112(5):239-41 (36 ref.) **(Heb)**

[Experimental study of UFT in prostatic carcinoma (DU-145) in nude mice] Kagawa S, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3408-12 (Eng. Abstr.) **(Jpn)**

[Ifomide] Tsukagoshi S. **Gan To Kagaku Ryoho** 1987 Jan; 14(1):205-9 **(Jpn)**

[Alternating combination chemotherapy (VIP-DMF) in

patients with advanced adenocarcinoma of the prostate] Yoshimoto J, et al. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):434–9 (Eng. Abstr.) **(Jpn)**

[Treatment of stage D prostate cancer patients with hormones in combination with cyclophosphamide] Fujii A, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1713–7 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of CMA in the treatment of prostatic cancer] Fukuoka H, et al. **Hinyokika Kiyo** 1986 Dec; 32(12):1821–30 (Eng. Abstr.) **(Jpn)**

[Treatment of prostatic cancer with an LH–RH analog] Fuse H, et al. **Hinyokika Kiyo** 1986 Aug;32(8):1113–9 (Eng. Abstr.) **(Jpn)**

[Clinical effects of estramustine phosphate disodium (Estracyt) on prostatic cancer] Nishio S, et al. **Hinyokika Kiyo** 1986 Nov;32(11):1763–70 (Eng. Abstr.) **(Jpn)**

[Treatment of prostatic carcinoma with daily subcutaneous injection of the LH–RH analogue, ICI 118630] Usami M, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1475–88 (Eng. Abstr.) **(Jpn)**

[Clinical effect of slow release (depot) formulation of the LH–RH analogue ICI 118630 (Zoladex) in patients with prostatic carcinoma] Usami M, et al. **Hinyokika Kiyo** 1987 Jan;33(1):141–50 (Eng. Abstr.) **(Jpn)**

[Endocrinologic therapy of prostatic cancer] Nihira H. **Nippon Hinyokika Gakkai Zasshi** 1986 Dec;77(12):1910–4 **(Jpn)**

[Prostatic cancer. Treatment with LH–RH analogs] Ogreid P. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2968–70 (Eng. Abstr.) **(Nor)**

[Treatment of carcinoma of the prostate with analogs of LHRH] Rubio Herrera MA, et al. **Rev Clin Esp** 1986 Nov; 179(8):407–11 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Growth-related elevations of DNA topoisomerase II levels found in Dunning R3327 rat prostatic adenocarcinomas. Nelson WG, et al. **Cancer Res** 1987 Jun 15;47(12):3246–50

High-affinity monoclonal antibodies specific for human prostatic acid phosphatase. Höyhtyä M, et al. **Clin Chem** 1987 Jan;33(1):103–7

Reassessment of creatine kinase BB as a marker for cancer of the prostate, breast, and lung. Wong SS, et al. **Clin Chem** 1987 Jun;33(6):809–11

Creatine kinase and lactate dehydrogenase isoenzymes in stage D prostatic carcinoma. Ström S, et al. **Clin Chim Acta** 1986 Sep 30;159(3):219–28

Aromatase activity in microsomes from rat ventral prostate and Dunning R3327H rat prostatic adenocarcinoma. Marts SA, et al. **J Steroid Biochem** 1987 Jan;26(1):25–9

Elevated prostatic acid phosphatase: a prognostic factor for stage C adenocarcinoma of the prostate. Babaian RJ, et al. **J Urol** 1986 Nov;136(5):1035–7

Adverse implications of acid phosphatase levels in the upper range of normal. Bahnson RR, et al. **J Urol** 1987 Mar; 137(3):427–30

Prostatic acid phosphatase: its current clinical status. Heller JE. **J Urol** 1987 Jun;137(6):1091–103 (240 ref.)

Alteration of acid phosphatase isoenzyme in a human prostatic cancer cell line. Lin CT, et al. **Lab Invest** 1986 Dec;55(6):666–72

Biochemical control investigations (determinations of prostatic phosphatase—carcinoembryonic antigen alkaline phosphatase) in patients treated for prostatic carcinoma. Preliminary estimation of effectiveness. Leńko J, et al. **Mater Med Pol** 1986 Sep–Dec;18(4):238–43

Tyrosyl kinase activity is inversely related to prostatic acid phosphatase activity in two human prostate carcinoma cell lines. Lin MF, et al. **Mol Cell Biol** 1986 Dec;6(12):4753–7

ETIOLOGY

Promotional effects of testosterone and high fat diet on the development of autochthonous prostate cancer in rats. Pollard M, et al. **Cancer Lett** 1986 Aug;32(2):223–7

Vitamin A and prostate cancer in elderly men: enhancement of risk. Kolonel LN, et al. **Cancer Res** 1987 Jun 1; 47(11):2982–5

Sexual factors and prostatic cancer: results from a case-control study. Mandel JS, et al. **J Gerontol** 1987 May; 42(3):259–64

Case-control studies of prostate cancer in blacks and whites in southern California. Ross RK, et al. **JNCI** 1987 May; 78(5):869–74

Butchers and prostate cancer [letter] Heitzman RJ. **Lancet** 1987 Feb 21;1(8530):453

The role of diet in prostate cancer. Kaul L, et al. **Nutr Cancer** 1987;9(2–3):123–8

Eicosanoids in neoplasia. Karmali RA. **Prev Med** 1987 Jul; 16(4):493–502

Medical, life-style, and occupational risk factors for prostate cancer. Checkoway H, et al. **Prostate** 1987;10(1):79–88

The dihydrotestosterone (DHT) hypothesis of prostate cancer and its therapeutic implications. Petrow V. **Prostate** 1986;9(4):343–61 (106 ref.)

FAMILIAL & GENETIC

Flow cytometric and karyotypic analysis of a primary small cell carcinoma of the prostate: a xenografted cell line. Pittman S, et al. **Cancer Genet Cytogenet** 1987 May; 26(1):165–9

Flow cytometry of prostate cancer: relationship of DNA content to survival. Stephenson RA, et al. **Cancer Res** 1987 May 1;47(9):2504–7

Activated Ki-ras oncogene in human prostatic adenocarcinoma. Peehl DM, et al. **Prostate** 1987; 10(4):281–9

IMMUNOLOGY

Detection of blood group antigens in frozen sections of prostatic epithelium. Abel PD, et al. **Br J Urol** 1987 May; 59(5):430–5

Assessment of serum CA 19.9 as a tumour marker in patients with carcinoma of the bladder and prostate. Abel PD, et al. **Br J Urol** 1987 May;59(5):427–9

Tumour markers in prostatic carcinoma. A comparison of prostate-specific antigen with acid phosphatase. Ferro MA, et al. **Br J Urol** 1987 Jul;60(1):69–73

Immunoregulatory markers in rats carrying Dunning R3327 H, G, or MAT-LyLu prostatic adenocarcinoma variants. Rubenstein M, et al. **Cancer Res** 1987 Jan 1;47(1):178–82

Measurements of serum gamma-seminoprotein and prostate specific antigen evaluated for monitoring carcinoma of the prostate. Siddall JK, et al. **Clin Chem** 1986 Nov; 32(11):2040–3

Urethral metastasis from prostatic carcinoma as diagnosed by immunoperoxidase technique using prostate-specific antigen and prostate-specific acid phosphatase. Koh E, et al. **Eur Urol** 1987;13(1–2):142–4

Inhibition of sensitized leukocyte's in vitro reactivity by circulating immune complexes in prostate cancer. Bhatti R, et al. **Experientia** 1987 Aug 15;43(8):916–7

Prospective comparison between serum monoclonal prostate specific antigen and acid phosphatase measurements in metastatic prostatic cancer. Ahmann FR, et al. **J Urol** 1987 Mar;137(3):431–4

An evaluation of prostate specific antigen in prostatic cancer. Guinan P, et al. **J Urol** 1987 Apr;137(4):686–9

Activity of phagocytic granulocytes in patients with prostatic cancer. Hofmann R, et al. **Urol Res** 1986;14(6):327–30

Evaluation of prostate-specific antigen and prostatic acid phosphatase as prostate cancer markers. Seamonds B, et al. **Urology** 1986 Dec;28(6):472–9

[Serum antibody levels of cytomegalovirus, herpes simplex type I and adenovirus in patients with benign or malignant prostatic neoplasms] Peker AF, et al. **Mikrobiyol Bul** 1986 Jul;20(3):165–75 (Eng. Abstr.) **(Tur)**

METABOLISM

Elevated prolactin level in prostates with latent carcinoma. Yatani R, et al. **Ann Clin Lab Sci** 1987 May–Jun; 17(3):178–82

Human transforming growth factor type beta 2: production by a prostatic adenocarcinoma cell line, purification, and initial characterization. Ikeda T, et al. **Biochemistry** 1987 May 5;26(9):2406–10

Properties of an intermediate-sized androgen receptor: association with RNA. Rowley DR, et al. **Biochemistry** 1986 Nov 4;25(22):6988–95

Relationship between androgen receptor binding activity in human prostate cancer and clinical response to endocrine therapy. Benson RC Jr, et al. **Cancer** 1987 May 1; 59(9):1599–606

Androgen receptors in biopsy specimens of prostate adenocarcinoma. Heterogeneity of distribution and relation to prognostic significance of receptor measurements for survival of advanced cancer patients. Gorelic LS, et al. **Cancer** 1987 Jul 15;60(2):211–9

Regulation of estrogen and progestin receptor concentrations in an experimental rat prostatic carcinoma by estrogen, antiestrogen, and progesterone. Mobbs BG, et al. **Cancer Res** 1987 May 15;47(10):2645–51

C19-radiosteroid disposition in organ cultures of transplanted prostatic adenocarcinomas of the Noble rat. Ofner P, et al. **Cancer Res** 1987 Mar 15;47(6):1701–5

Sr-89 therapy: strontium kinetics in disseminated carcinoma of the prostate. Blake GM, et al. **Eur J Nucl Med** 1986; 12(9):447–54

Biochemical and histological evidence that carcinoma of the prostate is associated with increased bone resorption. Percival RC, et al. **Eur J Surg Oncol** 1987 Feb;13(1):41–9

Effects of estrogen treatment on the responses of cAMP and sex steroids to hCG by the testes of patients with prostatic cancer. Yasukawa A, et al. **Hiroshima J Med Sci** 1987 Mar; 36(1):1–5

Androgen-dependent growth regulation of and release of specific protein(s) by the androgen receptor containing human prostate tumor cell line LNCaP. Berns EM, et al. **Prostate** 1986;9(3):247–59

Production, clearance, and metabolism of testosterone in men with prostatic cancer. Meikle AW, et al. **Prostate** 1987; 10(1):25–31

Intranuclear androgen receptor deployment and protooncogene expression in human diseased prostate. Phillips ME, et al. **Urol Int** 1987;42(2):115–9

[Cancer of the prostate: biologic bases for the use of an antiandrogen in its treatment] Raynaud JP, et al. **Bull Cancer (Paris)** 1986;73(1):36–46 (Eng. Abstr.) **(Fre)**

MORTALITY

Pretreatment transurethral resection of prostate cancer and disease-free survival. Natarajan N, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):395–9

International comparisons of mortality rates for cancer of the breast, ovary, prostate, and colon, and per capita food consumption. Rose DP, et al. **Cancer** 1986 Dec 1; 58(11):2363–71

Mortality from prostate cancer in Italy: 1950–1979. Cross-sectional rates and cohort analysis. La Rosa F, et al. **Eur J Epidemiol** 1985 Jun;1(2):145–9

Trends in prostate cancer in the Republic of Ireland 1954–81. Corridan JP, et al. **Ir J Med Sci** 1987 Jan;156(1):6–8

Prostate cancer in men less than 45 years old: influence of stage, grade and therapy. Benson MC, et al. **J Urol** 1987 May;137(5):888–90

Long-term followup of young patients with stage A adenocarcinoma of the prostate. Blute ML, et al. **J Urol** 1986 Oct;136(4):840–3

Prognosis of untreated stage A1 prostatic carcinoma: a study of 94 cases with extended followup. Epstein JI, et al. **J Urol** 1986 Oct;136(4):837–9

Primary site as a prognostic variable for children with pelvic soft tissue sarcomas. Raney B Jr, et al. **J Urol** 1986 Oct; 136(4):874–8

Prognostic factors in patients with carcinomas of the testicle, prostate, and bladder. Stewart DJ. **Trans Assoc Life Insur Med Dir Am** 1987;70:87–113

[Clinical investigations on prostatic carcinoma patients who survived for long periods] Ueda K, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1259–65 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Incidence of prostate cancer and marital status. Newell GR, et al. **JNCI** 1987 Aug;79(2):259–62

Birth sex ratios and prostatic cancer in butchers [letter] Lloyd MM, et al. **Lancet** 1987 Mar 7;1(8532):561

Incidence rates of prostate cancer in Bulgaria during the period 1967–1981. Tzvetansky HG, et al. **Neoplasma** 1986; 33(4):527–34

The biochemical epidemiology of prostatic carcinoma. Rose DP. **Prog Clin Biol Res** 1986;222:43–68 (80 ref.)

[Studies on the morbidity of prostatic cancer] Gu FL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):596–9, 638 (Eng. Abstr.) **(Chi)**

[Prostate cancer in Denmark 1943–1982. Cancer statistics no. 18] Prener A, et al. **Ugeskr Laeger** 1987 Jun 15; 149(25):1705–7 **(Dan)**

[Incidental carcinoma of the prostate in transurethral resection specimens] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):963–8 (Eng. Abstr.) **(Jpn)**

[Epidemiology, clinical pathology, and diagnosis of prostatic cancer] Shida K. **Rinsho Byori** 1986 Jul;34 Spec No 68:1–9 **(Jpn)**

PATHOLOGY

Fine needle aspiration cytology of prostatic adenocarcinoma metastatic to the lung confirmed by the immunoperoxidase technique. Bartziota EV. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):497–500

Argyrophilic adenocarcinoma of the prostate with Paneth cell-like granules. Haratake J, et al. **Acta Pathol Jpn** 1987 May;37(5):831–6

Prostatic cancer presenting as metastatic adenocarcinoma of sphenoid sinus. Matsumoto I, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1753–6

The epithelial origin of a stromal cell population in adenocarcinoma of the rat prostate. Beckman WC Jr, et al. **Am J Pathol** 1987 Sep;128(3):555–65

Analysis of changes in rat prostate carcinoma following hormone deprivation. Beckman WC Jr, et al. **Am J Pathol** 1987 Sep;128(3):566–72

Immunohistochemistry of the cytoskeleton of human prostatic epithelium. Evidence for disturbed organization in neoplasia. Purnell DM, et al. **Am J Pathol** 1987 Feb; 126(2):384–95

Cribriform hyperplasia of prostate [letter] **Am J Surg Pathol** 1987 Jun;11(6):488–91

Artifactual changes mimicking signet ring cell carcinoma in transurethral prostatectomy specimens. Alguacil-Garcia A. **Am J Surg Pathol** 1986 Nov;10(11):795–800

Metastatic prostatic carcinoma to supradiaphragmatic lymph nodes. A clinicopathologic and immunohistochemical study. Cho KR, et al. **Am J Surg Pathol** 1987 Jun; 11(6):457–63

Carcinoma of the prostate with atypical immunohistological features. Clinical and histologic correlates. Feiner HD, et al. **Am J Surg Pathol** 1986 Nov;10(11):765–70

Correlation of prognosis to nuclear roundness and to flow cytometric light scatter. Mohler JL, et al. **Anal Quant Cytol Histol** 1987 May;9(2):156–64 (32 ref.)

Skeletal effects of carcinoma of the breast and prostate. Percival RC. **Ann R Coll Surg Engl** 1986 Sep;68(5):267–70

Prostate cambial (stem)-zone and microcarcinoma: immunohistochemical and morphometric study approach. Battaglia S, et al. **Appl Pathol** 1985;3(4):255–61

Urothelial carcinoma of the prostate. Goebbels R, et al. **Appl Pathol** 1985;3(4):242–54

Treated prostatic carcinoma. Histological, immunohistochemical and cell kinetic studies. Helpap B. **Appl Pathol** 1985;3(4):230–41

Incidental carcinoma of the prostate in Japan: histological

characteristics and tumor size. Nemoto R, et al. **Appl Pathol** 1985;3(4):215–20

Diagnosis, staging, and surgical treatment of prostatic carcinoma [clinical conference] Catalona WJ, et al. **Arch Intern Med** 1987 Feb;147(2):361–3

Argyrophilic, 'carcinoid-like' prostatic carcinoma. An immunocytochemical study. Almagro UA, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):916–9

Pure small-cell carcinoma of the prostate with fatal liver metastasis. Bleichner JC, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1041–4

Nerve growth factor and the concept of neural–epithelial interactions. Immunohistochemical observations in two cases of vasitis nodosa and six cases of prostatic adenocarcinoma. DeSchryver-Kecskemeti K, et al. **Arch Pathol Lab Med** 1987 Sep;111(9):833–5

Nomenclature of prostatic carcinoma [letter] Gardner WA Jr, et al. **Arch Pathol Lab Med** 1987 Oct;111(10):898

Giant leiomyoma of the prostate. Regan JB, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):381–2

Pseudosarcomatous lesions of the urinary bladder, prostate gland, and urethra. A report of three cases and review of the literature. Young RH, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):354–8

The direct invasion of the pubic bones by prostate cancer [letter] McKay MJ. **Australas Radiol** 1986 May;30(2):168–9

Cytotoxic and non-cytotoxic N-alkyl derivatives of putrescine: effect on polyamine uptake and growth of prostatic cancer cells in vitro. Heston WD, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1849–52

Re: Endometrioid carcinoma of the prostatic utricle [letter] Grignon D. **Br J Urol** 1987 Apr;59(4):368–9

Large leiomyoma of prostate. Muzafer MH. **Br J Urol** 1987 Feb;59(2):192–3

Phaeochromocytoma of the prostate. Nielsen VM, et al. **Br J Urol** 1987 May;59(5):478–9

Are biopsies from the prostatic urethra useful in patients with superficial bladder carcinoma? Rikken CH, et al. **Br J Urol** 1987 Feb;59(2):145–7

Rectal mass of prostatic origin: a possible trap for general surgeons. Taylor PR, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1159

Prostate cancer: an update. Huben RP, et al. **CA** 1986 Sep–Oct;36(5):274–92 (80 ref.)

Prostatic intra-epithelial neoplasia and early invasion in prostate cancer. Bostwick DG, et al. **Cancer** 1987 Feb 15; 59(4):788–94

Granulocytic sarcoma of the prostate. Two cases causing urinary obstruction. Frame R, et al. **Cancer** 1987 Jan 1; 59(1):142–6

Cribriform adenocarcinoma of the prostate. McNeal JE, et al. **Cancer** 1986 Oct 15;58(8):1714–9

The incidence and significance of seminal vesicle invasion in patients with adenocarcinoma of the prostate. Mukamel E, et al. **Cancer** 1987 Apr 15;59(8):1535–8

Small cell carcinoma of the prostate. Part I. A clinicopathologic study of 20 cases. Têtu B, et al. **Cancer** 1987 May 15;59(10):1803–9

DNA flow cytometry and histopathological grading of paraffin-embedded prostate biopsy specimens in a survival study. Lundberg S, et al. **Cancer Res** 1987 Apr 1; 47(7):1973–7

Cytological grading of therapy-induced tumor regression in prostatic carcinoma: proposal of a new system. Böcking A, et al. **Diagn Cytopathol** 1987 Jun;3(2):108–11

Retroperitoneal lymph node aspiration biopsy in staging of pelvic cancer: a cytological study of 228 consecutive cases. Cochand-Priollet B, et al. **Diagn Cytopathol** 1987 Jun; 3(2):102–7

Fine-needle aspiration cytology of prostatic embryonal rhabdomyosarcoma: a case report. Henkes DN, et al. **Diagn Cytopathol** 1987 Jun;3(2):163–5

Effect of medroxyprogesterone acetate, alone or in combination with epirubicin hydrochloride, on the growth of the Dunning R3327H prostatic adenocarcinoma. Landström M, et al. **Eur Urol** 1987;13(3):203–6

Appearance of plasminogen activator activity during a synchronous cycle of a rat adenocarcinoma cell line, PA-III. Scott FM, et al. **Exp Cell Res** 1987 Mar; 169(1):39–46

The probability question in prostatic tissue sampling [letter] **Hum Pathol** 1987 Feb;18(2):206

Angiotropic large cell lymphoma of the prostate gland: an immunohistochemical study. Ben-Ezra J, et al. **Hum Pathol** 1986 Sep;17(9):964–7

Neuroendocrine differentiation in prostatic carcinoma. di Sant'Agnese PA, et al. **Hum Pathol** 1987 Aug;18(8):849–56

Different hormonal requirements for androgen-independent growth of normal and tumor epithelial cells from rat prostate. McKeehan WL, et al. **In Vitro Cell Dev Biol** 1987 Feb;23(2):147–52

Clinical considerations in palliative treatment of metastatic prostate carcinoma [letter] Wazer DE, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):145–6

Prostatic infiltration in chronic lymphatic leukaemia. Cachia PG, et al. **J Clin Pathol** 1987 Mar;40(3):342–5

Four primary malignant tumors, including malignant melanoma and malignant lymphoma, in the same adult patient. Igisu K, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):170–4

Brachial plexus neuropathy from prostatic carcinoma metastasis. Ampil FL. **J La State Med Soc** 1986 Sep; 138(9):38–40

Dissemination of prostatic carcinoma: an autopsy study. Lamothe F, et al. **J Natl Med Assoc** 1986 Nov; 78(11):1083–6

Effects of olfactory bulbectomy, melatonin, and/or pinealectomy on three sublines of the Dunning R3327 rat prostatic adenocarcinoma. Toma JG, et al. **J Pineal Res** 1987;4(3):321–38

Hemangiopericytoma of the prostate. Chen KT. **J Surg Oncol** 1987 May;35(1):42–3

Carcinoma of the prostate with brain metastasis. Chung TS, et al. **J Surg Oncol** 1986 Oct;33(2):103–5

Seeding and perineal implantation of prostatic cancer in the track of the biopsy needle: three case reports and a review of the literature. Haddad FS, et al. **J Surg Oncol** 1987 Jul; 35(3):184–91 (22 ref.)

Use of fine needle aspiration for detection of stage A prostatic carcinoma before transurethral resection of the prostate: a clinical trial. Agatstein EH, et al. **J Urol** 1987 Sep; 138(3):551–3

Stability of sublines in the R3327-H rat prostatic tumor. Bonney WW, et al. **J Urol** 1986 Dec;136(6):1335–42

Establishment of a new prostatic carcinoma cell line (TSU-Pr1). Iizumi T, et al. **J Urol** 1987 Jun;137(6):1304–6

Ex vivo comparison of radiological and histological evaluation of early metastatic lesions of pelvic lymph nodes from carcinoma of the bladder or prostate. Komatsu H, et al. **J Urol** 1987 Aug;138(2):341–3

Prediction of metastatic potential by a new grading system of cell motility: validation in the Dunning R-3327 prostatic adenocarcinoma model. Mohler JL, et al. **J Urol** 1987 Jul; 138(1):168–70

Time lapse videomicroscopic identification of Dunning R-3327 adenocarcinoma and normal rat prostate cells. Mohler JL, et al. **J Urol** 1987 Mar;137(3):544–7

Bone marrow prostatic specific antigen and prostatic acid phosphatase levels: are they helpful in staging prostatic cancer? Morote J, et al. **J Urol** 1987 May;137(5):891–3

The value of computerized tomography scan and magnetic resonance imaging in staging prostatic carcinoma: comparison with the clinical and histological staging. Mukamel E, et al. **J Urol** 1986 Dec;136(6):1231–3

Correlation of clinical stage, serum prostatic acid phosphatase and preoperative Gleason grade with final pathological stage in 275 patients with clinically localized adenocarcinoma of the prostate. Oesterling JE, et al. **J Urol** 1987 Jul;138(1):92–8

Phyllodes type of atypical prostatic hyperplasia: a report of 3 new cases. Reese JH, et al. **J Urol** 1987 Sep;138(3):623–6

Rectal examination in volume determination of carcinoma of the prostate: clinical and anatomical correlations. Spigelman SS, et al. **J Urol** 1986 Dec;136(6):1228–30

Stage A prostatic cancer [editorial] Whitmore WF Jr. **J Urol** 1986 Oct;136(4):883

Cranial metastases from prostate cancer simulating meningioma: report of two cases and review of the literature. Lippman SM, et al. **Neurosurgery** 1986 Nov; 19(5):820–3

Nuclear roundness factor: a quantitative approach to grading in prostatic carcinoma, reliability of needle biopsy tissue, and the effect of tumor stage on usefulness. Clark TD, et al. **Prostate** 1987;10(3):199–206

Nuclear protein matrix as a target for estramustine-induced cell death. Hartley-Asp B, et al. **Prostate** 1986;9(4):387–95

Latent and clinically manifest prostatic carcinoma. Hayashi T, et al. **Prostate** 1987;10(3):275–9

Establishment and characterization of seven Dunning rat prostatic cancer cell lines and their use in developing methods for predicting metastatic abilities of prostatic cancers. Isaacs JT, et al. **Prostate** 1986;9(3):261–81

In vitro growth inhibition of Dunning rat prostate tumor by bone marrow factor. Klose AG, et al. **Prostate** 1987; 10(2):179–88

Echogenic structure of prostatic cancer imaged on radical prostatectomy specimens. Salo JO, et al. **Prostate** 1987; 10(1):1–9

Papillary carcinoma of the prostate, location, morphology, and immunohistochemistry: the histogenesis and entity of so-called endometrioid carcinoma. Wernert N, et al. **Prostate** 1987;10(2):123–31

Prostatic carcinoma: staging by clinical assessment, CT, and MR imaging. Hricak H, et al. **Radiology** 1987 Feb; 162(2):331–6

Carcinoma of the prostate presenting as interstitial lung disease. Cohen O, et al. **Respiration** 1987;51(2):158–60

Nuclear magnetic resonance in advanced prostate cancer (stage D). Chéchile G, et al. **Urol Int** 1986;41(4):279–83

Prostatic tumors with penile secondaries. Review of the literature with a case report. Haddad FS, et al. **Urol Int** 1986;41(6):465–70

Accuracy in core biopsy of the prostate. An autopsy study. Horndalsveen Berild G, et al. **Urol Int** 1986;41(4):276–8

T antigen expression in benign hyperplasia and adenocarcinoma of the prostate. Moriyama H, et al. **Urol Int** 1987;42(2):120–3

Prostatic carcinoma metastasis to the kidney: diagnosis by thin needle aspiration biopsy. Kutcher R, et al. **Urol Radiol** 1986;8(2):98–100

Zinc, cadmium and selenium concentrations in separated epithelium and stroma from prostatic tissues of different histology. Feustel A, et al. **Urol Res** 1987;15(3):161–3

Development of an in vivo clonogenic cell assay for rat prostate metastatic tumor--R3327-MatLyLu. Geldof AA, et al. **Urol Res** 1987;15(3):139–44

Prostatic epithelium inhibiting factor (PEIF): organ specificity and production by prostatic fibroblasts. König JJ, et al. **Urol Res** 1987;15(3):145–9

Utricular papilloma. Aliabadi H, et al. **Urology** 1987 Mar; 29(3):317–8

Latent carcinoma and atypical lesions of prostate. An autopsy study. Billis A. **Urology** 1986 Oct;28(4):324–9

Yield of cancer tissue from prostatic needle biopsy. Bonney WW, et al. **Urology** 1987 Feb;29(2):153–6

Spongious bone density determination for staging and follow-up of patients with prostatic cancer. Golimbu M, et al. **Urology** 1986 Dec;28(6):534–9

Doubling time and annual doubling rate of human prostatic cancer. Haddad FS, et al. **Urology** 1987 Jan;29(1):35–9

Parenchymal brain metastases from adenocarcinoma of prostate. Lynes WL, et al. **Urology** 1986 Oct;28(4):280–7

Benign prostatic epithelial polyp of urethra. Tokunaga S, et al. **Urology** 1987 Jan;29(1):73–5

Coexisting adenocarcinoma of prostate in patients undergoing cystoprostatectomy for bladder cancer. Winfield HN, et al. **Urology** 1987 Aug;30(2):100–1

Biological tissue markers in benign and malignant disease of the human prostate. Chastonay P, et al. **Virchows Arch [A]** 1986;410(3):221–9

Tumour of female paraurethral duct. Immunohistochemical similarity with prostatic carcinoma. Svanholm H, et al. **Virchows Arch [A]** 1987;411(4):395–8

[Cancer of the prostate with metastases to the bone marrow] Tachev S, et al. **Khirurgiia (Sofiia)** 1986;39(5):96–7 **(Bul)**

[Ureteral metastasis of a prostatic cancer] Icart P, et al. **Ann Urol (Paris)** 1986;20(5):335–6 (Eng. Abstr.) **(Fre)**

[Reproducibility and prognostic value of Gleason's and Gaeta's histological grades in prostatic carcinoma] Rousselet MC, et al. **Ann Urol (Paris)** 1986;20(5):317–22 (Eng. Abstr.) **(Fre)**

[Value of the prostatic puncture biopsy in the diagnosis of prostatic cancer. Apropos of 271 cases] Perrin P, et al. **J Urol (Paris)** 1986;92(9):601–4 (Eng. Abstr.) **(Fre)**

[Testicular changes during estrogen therapy of prostatic cancer] Mihalache G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):343–5 (Eng. Abstr.) **(Fre)**

[Unusual metastasis of a prostatic carcinoma] Frahm R, et al. **ROFO** 1986 Oct;145(4):477–8 **(Ger)**

[Diagnostic and therapeutic puncture sonography of the prostate] Riccabona M. **Ultraschall Med** 1986 Oct; 7(5):213–7 (Eng. Abstr.) **(Ger)**

[Clinical relevance of radioimmunologic determination of prostate specific antigen in prostate cancer] Fornara P, et al. **Urologe [A]** 1987 May;26(3):158–61 (Eng. Abstr.) **(Ger)**

[Comparative histological and cytological, autoradiographic and immuno-histochemical studies of prostatic carcinomas] Vogel J, et al. **Verh Dtsch Ges Pathol** 1986;70:332–8 (Eng. Abstr.) **(Ger)**

[Histological study of carcinoma of the prostate in patients 51 to 90 years of age. Analysis of 1101 cases of hypertrophic prostate using the step section technique and review of the bibliography] Linoli O. **Pathologica** 1986 May–Jun; 78(1055):277–308 (Eng. Abstr.) **(Ita)**

[Latent carcinoma of the prostate. Autopsy study of 100 cases] Nicolò G, et al. **Pathologica** 1986 Sep–Oct; 78(1057):579–91 (Eng. Abstr.) **(Ita)**

[Clinical analysis and treatment of carcinoma of the prostate with bone metastasis] Kawai T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1704–9 (Eng. Abstr.) **(Jpn)**

[Study of anti-cancer chemotherapy of prostatic carcinoma. I. Comparative study of ifosfamide and VIP against a hormone-independent human prostatic carcinoma cell line] Moriyama N, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2589–93 **(Jpn)**

[Evaluation of prostate aspiration biopsy for cytological detection of prostate cancer] Fujimoto Y, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1455–9 (Eng. Abstr.) **(Jpn)**

[Malignant peritoneal mesothelioma of the prostate: a case report] Hanai S, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1725–30 (Eng. Abstr.) **(Jpn)**

[A case of primary malignant neoplasms associated with penile cancer and prostatic cancer] Numa H, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1303–6 (Eng. Abstr.) **(Jpn)**

[Leiomyosarcoma of the prostate: a case report] Okuno H, et al. **Hinyokika Kiyo** 1987 Jan;33(1):117–24 (Eng. Abstr.) **(Jpn)**

[Prostatic cancer: pathological analysis of autopsied cases] Takahashi Y, et al. **Hinyokika Kiyo** 1986 Jun;32(6):835–9 (Eng. Abstr.) **(Jpn)**

[Histopathological investigation of specimens from radical total cystoprostatectomy of carcinoma of the prostate] Matsumoto K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1429–37 (Eng. Abstr.) **(Jpn)**

[Stage A carcinoma of the prostate: histology in relation to survival rate] Nemoto R, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):107–12 (Eng. Abstr.) **(Jpn)**

[Incidental prostatic carcinoma diagnosed by the step-section technic for the surgical specimen: histopathological analysis] Uchida K, et al.

Nippon Hinyokika Gakkai Zasshi 1987 Jan;78(1):24–8 (Eng. Abstr.) **(Jpn)**

[Experience with Gleason's histopathological grading of prostatic cancer; comparison of cases in Japan and the United States] Uchida K, et al.
Nippon Hinyokika Gakkai Zasshi 1987 Jan;78(1):12–7 (Eng. Abstr.) **(Jpn)**

[The relationship of the histological grade of prostatic carcinoma and extent of the local tumor to pelvic node involvement] Uchida K, et al.
Nippon Hinyokika Gakkai Zasshi 1987 Jan;78(1):18–23 (Eng. Abstr.) **(Jpn)**

[Stages of prostatic cancer and serum gamma-Sm levels] Okada K, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:123–8 **(Jpn)**

[Histological staging of prostatic cancer and gamma-Sm] Shimazaki J, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:113–22 **(Jpn)**

[Pathomorphology and classification of prostatic cancer] Yatani R, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:10–8 **(Jpn)**

[A case of primary malignant lymphoma of the prostate] Shimada Y, et al. **Rinsho Ketsueki** 1987 Feb;28(2):267–72 (Eng. Abstr.) **(Jpn)**

[Critical study of 120 cases of transrectal biopsy of the prostate] de Campos-Freire G, et al.
Rev Hosp Clin Fac Med Sao Paulo 1986 Jan-Feb; 41(1):28–30 (Eng. Abstr.) **(Por)**

[Apud cells and apudomas of the prostate, breast and uterus] Serezhin BS, et al. **Arkh Patol** 1986;48(12):72–7 (65 ref.) (Eng. Abstr.) **(Rus)**

[Incidence and nature of metastases of prostatic cancer based on autopsy data] Makarova GV, et al. **Vopr Onkol** 1987; 33(4):78–83 (Eng. Abstr.) **(Rus)**

[Histological assessment of the effectiveness of radiation therapy of prostatic cancer] Portnoĭ AS. **Vopr Onkol** 1987; 33(4):3–9 (62 ref.) **(Rus)**

[Value of the immunohistochemical detection of prostate-specific antigen in the diagnosis of metastasis of carcinoma of the prostate] Escaf S, et al.
Arch Esp Urol 1987 Jan-Feb;40(1):17–21 (Eng. Abstr.) **(Spa)**

[Testicular metastasis of papillary adenocarcinoma of the prostate] Pellicé C Jr, et al. **Arch Esp Urol** 1986 Sep; 39(7):520–2 (Eng. Abstr.) **(Spa)**

[Cutaneous metastasis in prostatic carcinoma. Apropos of 2 cases] Valdivia Uría JG, et al. **Arch Esp Urol** 1986 Nov-Dec;39(9):669–72 (Eng. Abstr.) **(Spa)**

[Determination of a prostate-specific antigen in bone marrow: its usefulness in prostatic carcinoma staging (letter)] Morote Robles J, et al. **Med Clin (Barc)** 1987 Jan 24;88(3):125 **(Spa)**

[The costal osteolytic image and adenocarcinoma of the prostate (clinical conference)] **Medicina (B Aires)** 1986; 46(1):97–105 **(Spa)**

PHYSIOPATHOLOGY

Endocrine aspects of breast and prostatic cancer: an overview. Bulbrook RD. **Cancer Surv** 1986;5(3):435–45 (17 ref.)

A new clinical-anatomic staging system for evaluating prognosis and treatment of prostatic cancer. Clemens JD, et al. **J Chronic Dis** 1986;39(11):913–28

Intratissular androgens in benign prostatic hyperplasia and prostatic cancer. Voigt KD, et al. **J Steroid Biochem** 1986 Nov;25(5B):749–57

Differential killing of human carcinoma cells supplemented with n-3 and n-6 polyunsaturated fatty acids. Bégin ME, et al. **JNCI** 1986 Nov;77(5):1053–62

Aromatization of androstenedione to estrogen by benign prostatic hyperplasia, prostate cancer and expressed prostatic secretions. Stone NN, et al. **Urol Res** 1987; 15(3):165–7

PREVENTION & CONTROL

Impact of routine screening for adenocarcinoma of the prostate on stage distribution. Thompson IM, et al.
J Urol 1987 Mar;137(3):424–6

[Mass screening for the early diagnosis of prostatic cancer] Yamanaka H, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:30–4 **(Jpn)**

RADIOGRAPHY

The accuracy of CT in the staging of carcinoma of the prostate. Platt JF, et al. **AJR** 1987 Aug;149(2):315–8

Is preoperative computed tomography necessary in the management of patients treated for carcinoma of the prostate by 125iodine interstitial implantation and bilateral pelvic lymphadenectomy? Nobler MP, et al.
Am J Clin Oncol 1987 Feb;10(1):50–4

Role of CT in staging prostate tumors. Fusco A, et al.
Rays 1985 Jan-Apr;10(1):13–8

The value of CT in detecting pelvic lymph node metastases in cases of bladder and prostate carcinoma. Salo JO, et al. **Scand J Urol Nephrol** 1986;20(4):261–5

[Computerized tomography in the diagnosis and treatment of prostatic carcinoma] Morávek P, et al. **Rozhl Chir** 1986 Nov;65(11):768–74 (Eng. Abstr.) **(Cze)**

[X-ray examinations of prostatic adenoma and carcinoma] Perelman VM, et al. **Radiol Diagn (Berl)** 1986;27(6):745–51 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Staging of prostatic carcinoma with radionuclide bone scintigraphy and lymphography [published erratum appears in Br J Radiol 1987 Mar;60(711):222] Hayward SJ, et al. **Br J Radiol** 1987 Jan;60(709):79–81

False-negative bone image with radiographically evident osteoblastic lesions in prostatic carcinoma. Vasquez TE, et al. **Clin Nucl Med** 1986 Dec;11(12):817–8

Skeletal scintigraphy for routine surveillance of M0 prostatic carcinoma. Carter SS, et al. **Contrib Nephrol** 1987;56:267–72

Evolving scintigraphic pattern of skeletal metastasis from prostatic carcinoma [letter] Shih WJ, et al. **J Nucl Med** 1986 Nov;27(11):1786–8

Radioimmunological imaging of metastatic prostatic cancer with 111indium-labeled monoclonal antibody PAY 276. Babaian RJ, et al. **J Urol** 1987 Mar;137(3):439–43

alpha-Difluoromethylornithine enhancement of 14C-putrescine uptake by an androgen-dependent prostatic tumor. Heston WD, et al. **J Urol** 1986 Oct;136(4):944–8

RADIOTHERAPY

Prognostic significance of the pattern of tumor regression following definitive radiotherapy for carcinoma of the prostate. Pilepich MV, et al. **Am J Clin Oncol** 1986 Dec; 9(6):494–9

Reiter's syndrome after radiotherapy for prostatic carcinoma [letter] Stevens H, et al. **Br J Rheumatol** 1986 Nov; 25(4):417–8

Current results of neutron therapy at the UCL, for soft tissue sarcomas and prostatic adenocarcinomas. Université Catholique de Louvain. Richard F, et al.
Bull Cancer (Paris) 1986;73(5):562–8

Selecting initial therapy for prostate cancer. Radiation therapy perspective. Bagshaw MA, et al. **Cancer** 1987 Aug 1;60(3 Suppl):521–5

The role of external beam radiation therapy after prostatectomy for prostate cancer. Hanks GE, et al.
Cancer 1986 Dec 1;58(11):2406–10

Stage C adenocarcinoma of the prostate. An analysis of 551 patients treated with external beam radiation. Zagars GK, et al. **Cancer** 1987 Oct 1;60(7):1489–99

Hematologic depression following therapy with strontium-89 chloride. Cowan RJ, et al. **Clin Nucl Med** 1986 Dec; 11(12):845–6

Radical treatment of prostatic carcinoma by megavoltage X-ray therapy. Preston CI, et al. **Clin Radiol** 1986 Sep; 37(5):473–7

89Sr radionuclide therapy: dosimetry and haematological toxicity in two patients with metastasising prostatic carcinoma. Blake GM, et al. **Eur J Nucl Med** 1987; 13(1):41–6

Treatment planning in the external beam radiotherapy of cancers of the genitourinary system. Vaeth JM, et al.
Front Radiat Ther Oncol 1987;21:195–220

Management of localized prostate cancer. Bagshaw MA.
Hosp Pract [Off] 1986 Dec 15;21(12):73–88

Carcinoma of the prostate. Is radiation therapy an alternative to radical prostatectomy? Morphis JG 2d, et al.
Indiana Med 1986 Dec;79(12):1039–43

125Iodine implantation after lymphadenectomy in early carcinoma of the prostate. Giles GM, et al.
Int J Radiat Oncol Biol Phys 1986 Dec;12(12):2117–25

A ten year follow-up of 682 patients treated for prostate cancer with radiation therapy in the United States. Hanks GE, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):499–505

The treatment of prostatic cancer [editorial] Levitt S.
Int J Radiat Oncol Biol Phys 1986 Oct;12(10):1903–4

Definitive radiotherapy in resectable (stage A2 and B) carcinoma of the prostate—results of a nationwide overview. Pilepich MV, et al.
Int J Radiat Oncol Biol Phys 1987 May;13(5):659–63

Correlation of radiotherapeutic parameters and treatment related morbidity—analysis of RTOG Study 77-06. Pilepich MV, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1007–12

Correlation of pre-treatment transurethral resection and prognosis in patients with stage C carcinoma of the prostate treated with definitive radiotherapy—RTOG experience. Pilepich MV, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):195–9

Correlation of radiotherapeutic parameters and treatment related morbidity in carcinoma of the prostate—analysis of RTOG study 75-06. Pilepich MV, et al.
Int J Radiat Oncol Biol Phys 1987 Mar;13(3):351–7

Prognostic factors in carcinoma of the prostate—analysis of RTOG study 75-06. Pilepich MV, et al.
Int J Radiat Oncol Biol Phys 1987 Mar;13(3):339–49

Prostatic carcinoma: limited field irradiation. Rounsaville MC, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul; 13(7):1013–20

Radiotherapy in multiple fractions per day for prostatic carcinoma: late complications. Vanuytsel L, et al.
Int J Radiat Oncol Biol Phys 1986 Sep;12(9):1589–95

Osteonecrosis, fractures, and protrusio acetabuli secondary to x-irradiation therapy for prostatic carcinoma. Csuka M, et al. **J Rheumatol** 1987 Feb;14(1):165–70

Radiotherapy for prostate carcinoma. Leonard K, et al.
J Surg Oncol 1986 Sep;33(1):1–7

Carcinoma of the prostate in the elderly: the therapeutic ratio of definitive radiotherapy. Forman JD, et al. **J Urol** 1986 Dec;136(6):1238–41

Re: Preliminary observations on the results of combined temporary 192iridium implantation and external beam irradiation for carcinoma of the prostate [letter] Klein FA, et al. **J Urol** 1987 May;137(5):1010–1

Prostate biopsy after definitive treatment by interstitial 125iodine implant or external beam radiation therapy. Schellhammer PF, et al. **J Urol** 1987 May;137(5):897–901

Postradiation biopsy and histological effects in early-stage prostatic cancer treated with 125iodine implants. Kandzari SJ, et al. **Prostate** 1986;9(4):319–26

Dose intercomparison at the radiotherapy centres in The Netherlands. 1. Photon beams under reference conditions and for prostatic cancer treatment. Wittkämper FW, et al.
Radiother Oncol 1987 May;9(1):33–44

Simple, accurate, safe, and cost-effective percutaneous transperineal template technique for permanent 125iodine interstitial brachytherapy of prostate cancer. Kumar PP, et al. **Strahlenther Onkol** 1986 Nov;162(11):713–9

Percutaneous placement of radioactive gold seeds in localized prostatic carcinoma. Loening SA, et al. **Urology** 1987 Mar; 29(3):250–2

[Personal experience with radical therapy of prostatic carcinoma using actinotherapy] Morávek P, et al.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 1985; 28(3–4):335–9 (Eng. Abstr.) **(Cze)**

[Cancer of the prostate. Results and causes of failure after exclusive radiotherapy in 131 cases treated at in locoregional stage between 1972 and 1981] Pourquier H, et al. **J Urol (Paris)** 1986;92(9):593–600 (Eng. Abstr.) **(Fre)**

[Results of curative high-voltage irradiation of prostatic cancer] Kölbel G, et al. **Strahlenther Onkol** 1987 Feb; 163(2):67–73 (Eng. Abstr.) **(Ger)**

[Value of transrectal sonography in irradiation planning and oncological follow-up in prostatic cancer] Schratter-Sehn AU. **Strahlenther Onkol** 1986 Sep;162(9):565–71 (Eng. Abstr.) **(Ger)**

[Combination of bilateral pelvic lymphadenectomy, permanent iodine-125 implantation and percutaneous irradiation of localized prostate carcinoma. 2: Discussion and conclusions] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar;163(3):176–84 (Eng. Abstr.) **(Ger)**

[Combination of bilateral pelvic lymphadenectomy, permanent iodine-125 implantation and percutaneous irradiation of localized prostate carcinoma. 1: Methods and results] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar; 163(3):164–75 (Eng. Abstr.) **(Ger)**

[Percutaneous, perineal, ultrasound-controlled implantation of 125iodine in prostatic cancer: technics, report of initial experiences and comparison with the retropubic method of implantation] Riccabona M, et al. **Urologe [A]** 1987 Jan; 26(1):15–21 (Eng. Abstr.) **(Ger)**

[Evaluation of prostatic cytology after radiation therapy] Zattoni F, et al. **Minerva Urol Nefrol** 1986 Oct-Dec; 38(4):371–4 (Eng. Abstr.) **(Ita)**

[Initial experience with the use of the proton beam at the Institute of Theoretical and Experimental Physics to treat prostatic cancer] Makarova GV, et al.
Med Radiol (Mosk) 1987 Aug;32(8):66–70 (Eng. Abstr.) **(Rus)**

[Topometric preparation of prostatic cancer patients for teleradiotherapy] Makarova GV, et al.
Med Radiol (Mosk) 1987 Feb;32(2):59–61 **(Rus)**

[Radiation therapy in the combined treatment of prostatic cancer patients] Aliev BM, et al. **Urol Nefrol (Mosk)** 1986 Nov-Dec;(6):37–41 (Eng. Abstr.) **(Rus)**

[Neoplasms of the prostate, stages A2, B2 and C: experience in treatment with radiotherapy] Gómez de Segura G, et al. **Actas Urol Esp** 1986 Nov-Dec;10(6):407–12 (Eng. Abstr.) **(Spa)**

SECONDARY

Effects of high-dose ketoconazole and dexamethasone on ACTH-stimulated adrenal steroidogenesis in orchiectomized prostatic cancer patients. De Coster R, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):265–71

Immunodiagnosis by prostatic acid phosphatase to differentiate primary male breast cancer from metastatic prostate cancer. Kumar PP, et al. **J Natl Med Assoc** 1986 Aug;78(8):782–4, 786

Bladder outlet obstruction by so-called lymphomatoid granulomatosis (angiocentric lymphoma). Feinberg SM, et al. **J Urol** 1987 May;137(5):989–90

Prostatic invasion of rectal carcinoma: does transurethral surgery alter prognosis? Simon A, et al. **Urology** 1987 Jan; 29(1):71–2

SECRETION

Calcitonin-secreting carcinomas of the prostate. An immunohistochemical and ultrastructural analysis. Fetissof F, et al. **Am J Surg Pathol** 1986 Oct;10(10):702–10

SURGERY

Radical retropubic prostatectomy. Campbell and Walsh techniques. LaFollette SS. **AORN J** 1987 Jan;45(1):57–63, 66–71

Benign prostatomegaly, carcinoma and prostatitis. Brown RB. **Aust Fam Physician** 1986 Dec;15(12):1551, 1553–4, 1556–7 passim

Lasers in the treatment of cancer of the prostate. An

overview. McPhee MS. **Biomed Pharmacother** 1986; 40(9):321–2
The correlation of pretreatment transurethral resection of prostatic cancer with tumor dissemination and disease-free survival. A univariate and multivariate analysis. Forman JD, et al. **Cancer** 1986 Oct 15;58(8):1770–8
The role of radical prostatectomy in the management of prostatic cancer. Walsh PC, et al. **Cancer** 1987 Aug 1;60(3 Suppl):526–37
Intraoperative osteoscintigraphy as an aid to bone biopsy. Renzoni SA, et al. **Clin Nucl Med** 1986 Sep;11(9):619–20
Transrectal ultrasonography before and after neodymium-YAG laser irradiation of localized prostatic carcinoma. Beisland HO, et al. **Eur Urol** 1986;12 Suppl 1:39–42
Localized prostatic cancer. Fowler JE Jr, et al. **IMJ** 1987 Aug;172(2):91–5
The effect of prior transurethral resection of the prostate on post radiation urethral strictures and bladder neck contractures. Seymore CH, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1597–600
Radiation after pelvic lymphadenectomy: effect on morbidity. Babaian RJ, et al. **J Surg Oncol** 1987 Jan; 34(1):36–8
Does transurethral resection of the prostate promote metastatic disease? Paulson DF, et al. **J Urol** 1987 Jul; 138(1):90–1
Radical prostatectomy: anatomical predictors of success or failure. Paulson DF, et al. **J Urol** 1986 Nov;136(5):1041–3
Circulating levels of inhibin, prolactin, TSH, LH, and FSH in benign prostatic hypertrophy before and after tumor resection. Phadke MA, et al. **Prostate** 1987;10(2):115–22
Transurethral resection of prostate and bladder tumors. Moffat NA. **Urol Clin North Am** 1987 Feb;14(1):115–9
Microwave surgical treatment of the prostate: clinical application of microwave surgery as a tool for improved prostatic electroresection. Harada T, et al. **Urol Int** 1987; 42(2):127–31
Testicular metastasis from carcinoma of the prostate. Moskovitz B, et al. **Urol Int** 1987;42(1):79–80
Cancer of the prostate: is there a need for aggressive treatment? Moskovitz B, et al. **Urol Int** 1987;42(1):49–52
Does transurethral resection of prostatic carcinoma promote tumor spread? Schwemmer B, et al. **Urol Int** 1986; 41(4):284–8
Early experience with Walsh technique of radical retropubic prostatectomy. Fowler JE Jr, et al. **Urology** 1987 Mar; 29(3):242–6
Long-term autopsy findings following radical prostatectomy. Oesterling JE, et al. **Urology** 1987 Jun;29(6):584–8
[Intraoperative transurethral ultrasonic monitoring during transurethral resection of the prostate gland] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1987;40(2):20–1 **(Bul)**
[Invasive cancer of the prostate. Reconstruction of the lower urinary tract by prostatic resection and ureteral reimplantation into the bladder vault] Juraschek F, et al. **Ann Urol (Paris)** 1987;21(1):59–60 (Eng. Abstr.) **(Fre)**
[Radical prostatectomy in cancer of the prostate. Our experience apropos of 55 cases with 3-year follow-up] Leandri P, et al. **Ann Urol (Paris)** 1986;20(6):419–21 (Eng. Abstr.) **(Fre)**
[Localized prostatic cancer. Comparison of radical prostatectomy versus radiotherapy] Grups JW, et al. **Fortschr Med** 1986 Sep 18;104(35):651–3 (Eng. Abstr.) **(Ger)**
[Results after radical prostatectomy for prostate carcinoma] Studer UE, et al. **Schweiz Med Wochenschr** 1986 Dec 27; 116(52):1834–40 (Eng. Abstr.) **(Ger)**
[Radical prostatectomy in stage C prostatic cancer] Flamm J, et al. **Z Urol Nephrol** 1987 Mar;80(3):185–9 (Eng. Abstr.) **(Ger)**
[Staging pelvic lymphadenectomy for the prostatic cancer] Fuse H, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1465–70 (Eng. Abstr.) **(Jpn)**
[Incidence of infection after transurethral prostatectomy] Fujita K, et al. **Jpn J Antibiot** 1986 Apr;39(4):905–8 (Eng. Abstr.) **(Jpn)**
[Transurethral prostatectomy in cancer] Fujita K, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1637–9 (Eng. Abstr.) **(Jpn)**
[Prostatic neoplasm—the experience of the 2d Surgical Clinic in Iasi] Minecan N, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):281–4 (Eng. Abstr.) **(Rum)**
[Endometrioid carcinoma of the prostatic utricle] Chesa N, et al. **Arch Esp Urol** 1987 May;40(4):281–3 (Eng. Abstr.) **(Spa)**
[Results of 700 cases of transurethral resections (1965–1985)] Guitián Rodríguez C. **Arch Esp Urol** 1986 Nov–Dec; 39(9):645–56 (Eng. Abstr.) **(Spa)**
[Anesthetic implications of Rubinstein-Taybi syndrome (letter)] Díez Lobo AI, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):72 **(Spa)**

THERAPY

Prediction of cardiovascular complications in patients with prostatic cancer treated with estrogen. Henriksson P, et al. **Am J Epidemiol** 1987 Jun;125(6):970–8
Trials and tribulations in prostatic cancer. Kirk D. **Br J Urol** 1987 May;59(5):375–9 (17 ref.)
Orchiectomy and delayed radiotherapy as treatment for prostatic carcinoma. A 10-year survey. Meffan PM, et al. **Br J Urol** 1986 Aug;58(4):417–22
Orchiectomy versus long-acting D-Trp-6-LHRH in advanced prostatic cancer. Parmar H, et al. **Br J Urol** 1987 Mar;59(3):248–54
Orchidectomy versus oestrogen for prostatic cancer [letter] Hole R. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1100–1
Combination therapy in prostate cancer [letter] Labrie F, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1171
Orchidectomy versus oestrogen for prostatic cancer: cardiovascular effects [letter] Meade TW. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):953–4
Carcinoma of the prostate. Hormonal therapy. Grayhack JT, et al. **Cancer** 1987 Aug 1;60(3 Suppl):589–601 (153 ref.)
Biology and therapy of prostatic cancer. Schulze H, et al. **Cancer Surv** 1986;5(3):487–503 (80 ref.)
Current concepts in the treatment of prostate cancer. Melamed AJ. **Drug Intell Clin Pharm** 1987 Mar; 21(3):247–54 (50 ref.)
Management of metastatic prostatic carcinoma. **Drug Ther Bull** 1986 Nov 3;24(22):85–8
Current conflicts in the management of prostatic cancer. Bagshaw MA. **Int J Radiat Oncol Biol Phys** 1986 Oct; 12(10):1721–7
Preoperative irradiation, lymphadenectomy, and 125iodine implantation for patients with localized carcinoma of the prostate. DeLaney TF, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1779–85
A comparison of the cost of various treatment methods for early cancer of the prostate. Hanks GE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1879–81
Postoperative radiation therapy for pathologic stage C prostate cancer. Jacobson GM, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1021–4
Cost comparison of various treatment methods for early prostate cancer [letter] Mittal BB. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1603
Prostate cancer. Barnett TF, et al. **J Arkansas Med Soc** 1986 Oct;83(5):224–5
Toxicities of human recombinant interferon-alpha 2 in patients with advanced prostate carcinoma. Chang AY, et al. **J Interferon Res** 1986 Dec;6(6):713–5
Therapeutic approaches in prostatic cancer. Di Silverio F, et al. **J Steroid Biochem** 1986 Nov;25(5B):773–9
Advantages of the combination therapy in previously untreated and treated patients with advanced prostate cancer. Labrie F, et al. **J Steroid Biochem** 1986 Nov; 25(5B):877–83
Interferon-beta treatment of metastatic prostate cancer. Bulbul MA, et al. **J Surg Oncol** 1986 Dec;33(4):231–3
Potential therapeutic effect of adriamycin-monoclonal anti-prostatic acid phosphatase antibody conjugate on human prostate tumor. Deguchi T, et al. **J Urol** 1987 Feb; 137(2):353–8
Long-term suppression of luteinizing hormone, follicle-stimulating hormone and testosterone by daily administration of leuprolide. Glode LM, et al. **J Urol** 1987 Jan;137(1):57–60
Pre-treatment testosterone levels: significance in androgen deprivation therapy. Hickey D, et al. **J Urol** 1986 Nov; 136(5):1038–40
Prostate adenocarcinoma: effects of castration on in situ androgen uptake by individual cell types. Lippert MC, et al. **J Urol** 1987 Jan;137(1):140–5
Local failure after definitive therapy for prostatic cancer. Robey EL, et al. **J Urol** 1987 Apr;137(4):613–9 (77 ref.)
Inability of complete androgen blockade to increase survival of patients with advanced prostatic cancer as compared to standard hormonal therapy. Schulze H, et al. **J Urol** 1987 May;137(5):909–11
New methods of endocrine management of prostatic cancer. Smith JA Jr. **J Urol** 1987 Jan;137(1):1–10 (98 ref.)
Treatment of advanced carcinoma of the prostate with a depot luteinizing hormone-releasing hormone analogue (ICI-118630). Van Cangh PJ, et al. **J Urol** 1987 Jan; 137(1):61–4
Combination therapy in prostate cancer [letter] Labrie F, et al. **Lancet** 1986 Nov 8;2(8515):1095–6
Deferred therapy in prostatic cancer [letter] Newling DW, et al. **Lancet** 1986 Nov 15;2(8516):1161
Local microwave hyperthermia in the treatment of carcinoma of the prostate. Yerushalmi A, et al. **Oncology** 1986;43(5):299–305
Prostate cancer consensus hampered by lack of data [news] Kolata G. **Science** 1987 Jun 26;236(4809):1626–7
Activators and inhibitors of coagulation and fibrinolysis in patients with prostatic cancer treated with oestrogen or orchidectomy. Henriksson P, et al. **Thromb Res** 1986 Dec 15;44(6):783–91
Treatment of advanced prostatic cancer. Sogani PC, et al. **Urol Clin North Am** 1987 May;14(2):353–71 (132 ref.)
Serum prolactin assays have no prognostic value in treatment of prostatic cancer by orchidectomy or estrogens. Stege R, et al. **Urol Int** 1987;42(2):124–6
Development of androgen-independent tumor cells and their implication for the treatment of prostatic cancer. Isaacs JT, et al. **Urol Res** 1987;15(3):133–8 (40 ref.)
Comparison of testosterone and LH values in subcapsular vs total orchiectomy patients. Chapman JP. **Urology** 1987 Jul;30(1):27–8
Pattern of care and follow-up of stages A1, B1 prostatic cancers from multicenter group, the National Prostatic Cancer Treatment Group (NPCTG). Murphy GP, et al. **Urology** 1987 Mar;29(3):258–61
Radical prostatectomy or radiotherapy in carcinoma of prostate. The dilemma continues. Pilepich MV, et al. **Urology** 1987 Jul;30(1):18–21
Diseases of prostate treated by local microwave hyperthermia. Servadio C, et al. **Urology** 1987 Aug; 30(2):97–9
[Cancer of the prostate. The practical problems posed by hormonal escape] Boccon-Gibod L. **Ann Urol (Paris)** 1986; 20(5):295–302 (63 ref.) (Eng. Abstr.) **(Fre)**
[Cancer of the prostate: therapeutic trials in 1985] Bolla M. **Bull Cancer (Paris)** 1986;73(1):74–80 (Eng. Abstr.) **(Fre)**
[Cancer of the prostate: therapeutic strategy in 1985] Caty A, et al. **Bull Cancer (Paris)** 1986;73(1):81–4 (Eng. Abstr.) **(Fre)**
[Adenocarcinoma of prostate in adolescents and young adults. Apropos of a case in a 20-year-old man] Briet S, et al. **J Urol (Paris)** 1986;92(8):565–8 (Eng. Abstr.) **(Fre)**
[When should treatment of prostate cancer begin?] Cukier J. **Union Med Can** 1987 Jan;116(1):suppl 6–9 **(Fre)**
[Therapy of advanced prostate cancer] Langkopf B. **Z Urol Nephrol** 1987 Mar;80(3):121–4 (Eng. Abstr.) **(Ger)**
[Intracavity local hyperthermia for prostatic carcinoma] Yerushalmi A, et al. **Harefuah** 1986 Jul;111(1–2):3–6 (Eng. Abstr.) **(Heb)**
[Tumor markers in carcinoma of the prostate] Fontana G, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):95–8 (Eng. Abstr.) **(Ita)**
[A case of prostate cancer with multiple pulmonary metastases] Katoh H, et al. **Hinyokika Kiyo** 1987 Mar; 33(3):441–6 (Eng. Abstr.) **(Jpn)**
[Prostate carcinoma and benign prostatic hyperplasia. Recent advances] Hiraoka Y, et al. **Nippon Ika Daigaku Zasshi** 1986 Oct;53(5):524–6 **(Jpn)**
[Therapeutic tactics in obstructive forms of prostatic cancer (2 cases)] Zil'berman MN. **Vopr Onkol** 1987;33(5):89–91 **(Rus)**
[Ligation and bilateral section of the spermatic cord in the treatment of prostatic cancer] Romero Maroto J, et al. **Arch Esp Urol** 1986 Sep;39(7):471–7 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Adenosquamous carcinoma of the prostate. Moyana TN. **Am J Surg Pathol** 1987 May;11(5):403–7
Small cell carcinoma of the prostate. II. Immunohistochemical and electron microscopic studies of 18 cases. Ro JY, et al. **Cancer** 1987 Mar 1;59(5):977–82
Histopathologic and ultrastructural correlates of tumor growth suppression by high energy shock waves. Russo P, et al. **J Urol** 1987 Feb;137(2):338–41
[Ultrastructural changes in the cell nucleus of the prostate gland and urinary bladder] Skaro-Milić A, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):132–5 (Eng. Abstr.) **(Scr)**

URINE

A preliminary study of urinary transferrin as a marker for prostatic cancer. Fernandez C, et al. **Clin Chim Acta** 1986 Dec 30;161(3):335–9
Excretion of three major prostatic secretory proteins in the urine of normal men and patients with benign prostatic hypertrophy or prostate cancer. Tremblay J, et al. **Prostate** 1987;10(3):235–43

VETERINARY

Intraoperative radiotherapy of carcinoma of the prostate gland in ten dogs. Turrel JM. **J Am Vet Med Assoc** 1987 Jan 1;190(1):48–52

PROSTATITIS

[Chronic bacterial and abacterial prostatitis] Nielsen KK. **Ugeskr Laeger** 1987 Mar 23;149(13):840–4 (30 ref.) (Eng. Abstr.) **(Dan)**
[Inflammatory diseases of the prostate] Golomb J, et al. **Harefuah** 1987 Mar 1;112(5):248–50 (26 ref.) **(Heb)**

COMPLICATIONS

Sexual intercourse: you, me, and the microbe makes three [letter] de Groen PC, et al. **JAMA** 1987 Oct 2;258(13):1730
Neuromuscular dysfunction in nonbacterial prostatitis. Hellstrom WJ, et al. **Urology** 1987 Aug;30(2):183–8

DIAGNOSIS

Prostatitis [editorial] Madsen PO, et al. **Infection** 1986 Nov–Dec;14(6):253–4
Prostatic ultrasonography: applicability in a small hospital. Martin DS. **South Med J** 1986 Oct;79(10):1261–3
[Fertility disorders in patients with chronic nonspecific prostatitis] Tsvetkov D. **Akush Ginekol (Sofiia)** 1987; 26(1):53–6 (Eng. Abstr.) **(Bul)**
[Role of Chlamydia trachomatis in chronic prostatitis] Mandevski S, et al. **Khirurgiia (Sofiia)** 1986;39(5):44–7 (Eng. Abstr.) **(Bul)**
[Condition of the kidneys and upper urinary tract in patients with chronic prostatitis] Lopatkin NA, et al. **Z Urol Nephrol** 1987 Jan;80(1):1–8 (Eng. Abstr.) **(Ger)**
[Diagnostic methods in chronic prostatitis. True value of the

biochemical patterns of semen, ultrasonics and the bacteriological workup] Gallo FJ, et al. **Arch Esp Urol** 1986 Jul-Aug;39(6):387-92 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of chronic bacterial prostatitis with ciprofloxacin. Results of a one-year follow-up study. Weidner W, et al. **Am J Med** 1987 Apr 27;82(4A):280-3

Benign prostatomegaly, carcinoma and prostatitis. Brown RB. **Aust Fam Physician** 1986 Dec;15(12):1551, 1553-4, 1556-7 passim

Two-balloon and four-channel silicone rubber catheter for drug injection in the treatment of chronic bacterial prostatitis. Cheng HJ, et al. **Eur Urol** 1987;13(1-2):116-7

The effect of doxycycline in infertile couples with male accessory gland infection: a double blind prospective study. Comhaire FH, et al. **Int J Androl** 1986 Apr;9(2):91-8

Effects of sodium pentosanpolysulphate on symptoms related to chronic non-bacterial prostatitis. A double-blind randomized study. Wedrén H. **Scand J Urol Nephrol** 1987; 21(2):81-8

New antimicrobial treatment of urinary tract infections and prostatitis. Sawyer DW, et al. **Semin Urol** 1985 Nov; 3(4):281-6

[Ofloxacin (RU 43280): clinical evaluation in urinary and prostatic infections] Guibert J, et al. **Pathol Biol (Paris)** 1986 May;34(5):494-7 (Eng. Abstr.) **(Fre)**

[Effect of cefoperazone on acute prostatitis and epididymitis] Hihara T, et al. **Hinyokika Kiyo** 1986 Jun;32(6):897-901 (Eng. Abstr.) **(Jpn)**

[The therapeutic effect of norfloxacin on chronic prostatitis] Kumamoto Y, et al. **Hinyokika Kiyo** 1987 Mar;33(3):471-84 (Eng. Abstr.) **(Jpn)**

[Therapeutic studies on chronic prostatitis--use of AT-2266--Sapporo Clinical Research Group for STD] Kumamoto Y, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1213-23 (Eng. Abstr.) **(Jpn)**

[A case of Salmonella prostatitis in a renal transplant patient] Sumii T, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):624-6 (Eng. Abstr.) **(Jpn)**

[Evaluation of the action of fibrinolytic system activators in chronic prostatitis] Pirogova TF, et al. **Lab Delo** 1986; (9):539-42 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Changes in N-acetyl-beta-glucosaminidase (NAG) in prostatitis patients] Yasumoto R, et al. **Hinyokika Kiyo** 1986 Jun;32(6):841-5 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Hemophilus parainfluenzae prostatitis in a homosexual man with chronic lymphadenopathy syndrome and HTLV-III infection. Clairmont GJ, et al. **Am J Med** 1987 Jan; 82(1):175-8

Prostatic cryptococcosis in acquired immune deficiency syndrome. Lief M, et al. **Urology** 1986 Oct;28(4):318-9

[Inflammatory changes in the prostate in men with acute and chronic gonorrheal urethritis] Péč J Jr, et al. **Bratisl Lek Listy** 1987 Mar;87(3):361-7 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Immunosuppression and sperm antibody formation in men with prostatitis. Witkin SS, et al. **J Clin Lab Immunol** 1986 Sep;21(1):7-10

The characterization of bacterial and nonbacterial prostatitis by prostatic immunoglobulins. Shortliffe LM, et al. **Medicine (Baltimore)** 1986 Nov;65(6):399-414

[Local immunity of chronic prostatitis patients] Drannik GN, et al. **Vestn Dermatol Venerol** 1986;(9):66-70 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Can decreased phagocytosis and killing of autologous gram-positive bacteria explain the finding of gram-positive bacteria in "non-bacterial prostatitis"? Wedrén H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Feb; 95(1):75-8

PATHOLOGY

Xanthogranulomatous prostatitis. Miękoś E, et al. **Int Urol Nephrol** 1986;18(4):433-7

The clinical spectrum of granulomatous prostatitis: a report of 200 cases. Stillwell TJ, et al. **J Urol** 1987 Aug; 138(2):320-3

Acute vesiculitis and its prostatic complications caused by E. coli in the rat. Maglione M, et al. **Urol Res** 1986; 14(5):265-6

[Malacoplakia of the prostate] Anders M, et al. **Z Urol Nephrol** 1987 May;80(5):259-62 (Eng. Abstr.) **(Ger)**

[Tuberculous prostatitis within the scope of urogenital tuberculosis--pathogenetic and diagnostic aspects] Lenk S, et al. **Z Urol Nephrol** 1987 Jan;80(1):9-15 (Eng. Abstr.) **(Ger)**

[Prostatitis from the morphologic viewpoint--an autopsy analysis] Mehlhorn J. **Z Urol Nephrol** 1987 May;80(5):253-8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Seminal vesiculography in chronic bacterial prostatitis. Baert L, et al. **J Urol** 1986 Oct;136(4):844-5

THERAPY

Prostatitis. A continuing enigma. Pfau A. **Urol Clin North Am** 1986 Nov;13(4):695-715 (102 ref.)

Diseases of prostate treated by local microwave hyperthermia. Servadio C, et al. **Urology** 1987 Aug; 30(2):97-9

[Treatment of patients with chronic prostatitis complicated by infertility by microwave (460 MHz) action on the area of the thyroid and thymus glands] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May-Jun; (3):15-8 (Eng. Abstr.) **(Rus)**

PROSTHESIS

see related
DENTAL PROSTHESIS
PALATAL OBTURATORS
PROSTHODONTICS

Operative treatment of thoraco-lumbar metastases, using methylmetacrylate and Kempf's rods for vertebral replacement and stabilization. Report of 15 cases. Lozes G, et al. **Acta Neurochir (Wien)** 1987;84(3-4):118-23

Conjunctivorhinostomy. A study of 21 cases. Nissen JN, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):30-6

Spontaneous unscrewing of a Cardona keratoprosthesis. Barron BA, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):331-2

Endoscopic biliary stents and obstructive jaundice. Walta DC, et al. **Am J Surg** 1987 May;153(5):444-7

A microcomputer-based prosthetic limb controller: design and implementation. Hortensius P, et al. **Ann Biomed Eng** 1987;15(1):51-65

Percutaneous-endoscopic biliary stent placement. A preliminary report. Tsang TK, et al. **Ann Intern Med** 1987 Mar;106(3):389-92

A self-sealing dialysis prosthesis. Coaxial double PTFE-silicone graft. Schanzer H, et al. **Ann Surg** 1986 Nov;204(5):574-9

Pericardial substitutes: delayed reexploration and findings. Opie JC, et al. **Ann Thorac Surg** 1987 Apr;43(4):383-5

The expandable prosthesis. An alternative to amputation for children with malignant bone tumors. Lewis MM, et al. **AORN J** 1987 Sep;46(3):457-70

Patient satisfaction in Scott and Small-Carrion penile implant recipients: a study of 52 patients. Steege JF, et al. **Arch Sex Behav** 1986 Oct;15(5):393-9

Studies of the slow releasing of testosterone from radiation-polymerized testicular prostheses implanted subcutaneously in the back of castrated rabbits. Yoshida M, et al. **Biomaterials** 1987 Mar;8(2):124-8

Post-mastectomy breast reconstruction using the inflatable tissue expander. Chisholm EM, et al. **Br J Surg** 1986 Oct; 73(10):817-20

Use of a hinge-type speech prosthesis. Shelton RL, et al. **Cleft Palate J** 1986 Oct;23(4):312-7

The treatment of primary vertebral tumors by radical resection and prosthetic vertebral replacement. Ma YZ, et al. **Clin Orthop** 1987 Feb;(215):78-90

Light and electronmicroscopic studies on Polycel ossicular replacement prostheses. Cousins VC, et al. **Clin Otolaryngol** 1987 Jun;12(3):183-9

Extrusion of middle ear implants. Jahnke K. **Clin Otolaryngol** 1987 Jun;12(3):227-32

Use of the modified Cope introduction set for transhepatic removal of obstructed Carey-Coons biliary endoprosthesis. Adam A. **Clin Radiol** 1987 Mar;38(2):171-4

The Carey-Coons percutaneous biliary endoprosthesis: a three-centre experience in 87 patients. Dick R, et al. **Clin Radiol** 1987 Mar;38(2):175-8

Management of impotence. II. Selected surgical procedures: penile prostheses. Krauss DJ. **Clin Ther** 1987;9(2):149-56

Customized stoma prosthesis for permanent tracheostomy patients with sleep apnea syndrome. Barnett MO, et al. **Ear Nose Throat J** 1987 Apr;66(4):141-7

A cuffed tube for the treatment of oesophago-bronchial fistulae. Lux G, et al. **Endoscopy** 1987 Jan;19(1):28-30

Endoscopic prosthesis for advanced esophageal cancer. Tytgat GN, et al. **Endoscopy** 1986 Sep;18 Suppl 3:32-9

Postoperative biliocutaneous fistula: successful treatment by insertion of an endoprosthesis. van Steenbergen W, et al. **Endoscopy** 1987 Jan;19(1):34-6

Biliary endoprostheses in tumors at the hepatic duct bifurcation. Lammer J, et al. **Eur J Radiol** 1986 Nov; 6(4):275-9

Urinary undiversion with implantation of an artificial urethral sphincter. Schultz A, et al. **Eur Urol** 1987;13(1-2):128-9

The vascularization of artificial skin grafts in rats: its modification by protamine. Ehrlich HP, et al. **Exp Mol Pathol** 1986 Aug;45(1):68-75

Peripheral nerve regeneration with entubulation repair: comparison of biodegradeable nerve guides versus polyethylene tubes and the effects of a laminin-containing gel. Madison RD, et al. **Exp Neurol** 1987 Feb;95(2):378-90

Endoscopic biliary stents--trick or treatment? [editorial] Cotton PB. **Gastrointest Endosc** 1986 Oct;32(5):364-5

Endoscopic palliative treatment in pancreatic cancer. Huibregtse K, et al. **Gastrointest Endosc** 1986 Oct; 32(5):334-8

Cranioplasty with a silicone prosthesis and split rib grafts. Chicarilli ZN, et al. **Head Neck Surg** 1986 May-Jun; 8(5):355-62

Endoscopic transpapillary placement of biliary endoprosthesis. Rau BK, et al. **Indian J Gastroenterol** 1987 Apr;6(2):115-6

Keratoprosthesis: a clinical study. Singh D, et al. **Indian J Ophthalmol** 1973 Sep;21(3):112-6

A humeral modular prostheses for bone tumour surgery: a study of 56 cases. Capanna R, et al. **Int Orthop** 1986; 10(4):231-8

Synthetic prostheses in repair of chest wall defects after exeresis of malignancies. Tocchi A, et al. **Int Surg** 1987 Jan-Mar;72(1):34-7

Our experience in the application of the biocompatible indwelling ureteral stents. Minkov N, et al. **Int Urol Nephrol** 1986;18(4):403-9

Migration of Angelchik prosthesis and small bowel obstruction. Arpayoglou A, et al. **J Arkansas Med Soc** 1987 Apr;83(11):437-8

Stance phase control of above-knee prostheses: knee control versus SACH foot design. Stein JL, et al. **J Biomech** 1987; 20(1):19-28

Amputations at the middle level of the foot. A retrospective and prospective study [letter] Rubin G. **J Bone Joint Surg [Am]** 1987 Jun;69(5):791-2

Prosthetic anterior cruciate ligaments in the rabbit. A comparison of four types of replacement. Thomas NP, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):312-6

Hand and finger prostheses. Beasley RW. **J Hand Surg [Am]** 1987 Jan;12(1):144-7

Valgus stability of the elbow. Hotchkiss RN, et al. **J Orthop Res** 1987;5(3):372-7

Augmentation of anterior cruciate ligament reconstruction in dogs with prostheses of different stiffnesses. Yoshiya S, et al. **J Orthop Res** 1986;4(4):475-85

Adenocarcinoma of the tongue complicated by a hemimandibulectomy: soft tissue support for a tongue prosthesis in an edentulous glossectomy patient. Ballard JL, et al. **J Prosthet Dent** 1986 Oct;56(4):470-3

Coordinated intraoral and extraoral prostheses in the rehabilitation of the orofacial cancer patient. Birnbach S, et al. **J Prosthet Dent** 1987 Sep;58(3):343-8

Effect of a maxillary glossectomy prosthesis on articulation and swallowing. Davis JW, et al. **J Prosthet Dent** 1987 Jun;57(6):715-9

A technique for fabrication of a cheek recontouring prosthesis. Fattore L, et al. **J Prosthet Dent** 1987 Mar; 57(3):329-31

A technique for the obturation of anterior maxillary defects with accompanying midfacial tissue loss. Fattore L, et al. **J Prosthet Dent** 1987 Aug;58(2):203-5

An interim prosthesis for the glossectomy patient. Izdebski K, et al. **J Prosthet Dent** 1987 May;57(5):608-11

Palatal lift prostheses for edentulous patients. Sato Y, et al. **J Prosthet Dent** 1987 Aug;58(2):206-10

Prosthetic repair of meatal stenosis. Sela M, et al. **J Prosthet Dent** 1986 Aug;56(2):214-6

Selective-pressure impression technique for nasal prostheses. Shifman A. **J Prosthet Dent** 1987 Sep;58(3):349-51

Macrocellular silicone foam for mechanically retaining orbital prostheses. Townend M, et al. **J Prosthet Dent** 1987 May;57(5):611-6

Management of malignant biliary obstruction by percutaneously introduced biliary endoprosthesis. McLeod GG, et al. **J R Coll Surg Edinb** 1986 Aug;31(4):210-3

A respirometric technique to evaluate velopharyngeal function in speakers with cleft palate, with and without prostheses. Gilbert HR, et al. **J Speech Hear Res** 1987 Jun; 30(2):268-75

Growth of intestinal neomucosa on prosthetic materials. Thompson JS, et al. **J Surg Res** 1986 Nov;41(5):484-92

Circumferential tracheal replacement with costal cartilage. Eckersberger F, et al. **J Thorac Cardiovasc Surg** 1987 Aug; 94(2):175-80

Penile reconstruction after total penectomy or urethra-sparing total penectomy. Bissada NK. **J Urol** 1987 Jun;137(6):1173-5

Penile prosthesis reimplantation. Gasser TC, et al. **J Urol** 1987 Jan;137(1):46-7

The model AS 800 artificial urinary sphincter: Mayo Clinic experience. Goldwasser B, et al. **J Urol** 1987 Apr; 137(4):668-71

Scott's inflatable penile prosthesis: evaluation of mechanical survival in the series 700 model. Gregory JG, et al. **J Urol** 1987 Apr;137(4):676-7

A technique of maintaining penile prosthesis position to prevent proximal migration. Mulcahy JJ. **J Urol** 1987 Feb; 137(2):294-6

Penile prosthesis surgery in the treatment of impotence in the immunosuppressed man. Sidi AA, et al. **J Urol** 1987 Apr;137(4):681-2

Fournier's gangrene: a complication of penile prosthetic implantation in a renal transplant patient. Walther PJ, et al. **J Urol** 1987 Feb;137(2):299-300

The Angelchik antireflux prosthesis [letter] **JAMA** 1987 Feb 27;257(8):1050-1

Prosthesis for malignant oesophago-respiratory fistula [letter] Davidson AC, et al. **Lancet** 1986 Dec 20-27; 2(8521-22):1463

Treatment of cervical esophageal stenosis with a long-term

indwelling prosthesis. Goode RL, et al. **Laryngoscope** 1987 Apr;97(4):477–82

Effects of different doses of acetylsalicylic acid on platelet aggregation: an experimental study of prosthetic materials in dogs. Escudero C, et al. **Life Support Syst** 1986 Oct–Dec; 4(4):325–34

Tracheal reconstruction with hydroxyapatite tracheal prosthesis. Vos GA, et al. **Life Support Syst** 1986 Oct–Dec; 4(4):283–7

Biliary endoprosthesis in gallstone disease. van der Heyde MN, et al. **Neth J Med** 1987 Apr;30(3–4):105–6

Endoscopic biliary endoprosthesis as definitive treatment of elderly patients with large bile duct stones. van Steenbergen W, et al. **Neth J Med** 1987 Apr;30(3–4):107–16

Treatment of erectile failure with inflatable prostheses: three-year experience. Saypol DC, et al. **NJ Med** 1987 Mar;84(3):191–2

A modular femur–tibia reconstruction system. Kotz R, et al. **Orthopedics** 1986 Dec;9(12):1639–52

The role of fiberbronchoscopy in the experimental surgery of trachea. Catrambone G, et al. **Panminerva Med** 1986 Jul–Sep;28(3):217–8

Non-inflatable penile prosthesis for the management of urinary incontinence and sexual disability of patients with spinal cord injury. Iwatsubo E, et al. **Paraplegia** 1986 Oct; 24(5):307–10

Breast augmentation using the expander mammary prosthesis. Becker H. **Plast Reconstr Surg** 1987 Feb;79(2):192–9

Polyethylene sleeve in the Même prosthesis [letter] Dolsky RL. **Plast Reconstr Surg** 1986 Nov;78(5):694

Prescription of above-knee and below-knee prostheses. Rubin G, et al. **Prosthet Orthot Int** 1986 Dec;10(3):117–24

Body sway in below-knee amputees. Vittas D, et al. **Prosthet Orthot Int** 1986 Dec;10(3):139–41

Below-knee amputation in patients with vascular disease and prosthetic fitting problems. Yaramenko D, et al. **Prosthet Orthot Int** 1986 Dec;10(3):125–8

Synthetic ossicular replacements: normal and abnormal CT appearance. Swartz JD, et al. **Radiology** 1987 Jun; 163(3):766–8

A new temporary keratoprosthesis for pars plana vitrectomy. Eckardt C. **Retina** 1987 Spring;7(1):34–7

Flexi-Flate penile prosthesis. Finney RP. **Semin Urol** 1986 Nov;4(4):244–6

Experience with the Hydroflex penile prosthesis. Fishman IJ. **Semin Urol** 1986 Nov;4(4):239–43

Omniphase penile prosthesis. Krane RJ. **Semin Urol** 1986 Nov;4(4):247–51

A femoral "umbrella" for femoral hernia repairBendavid R. **Surg Gynecol Obstet** 1987 Aug;165(2):153–6

Properitoneal prosthetic inguinal hernioplasty through a Pfannenstiel approach. Rignault DP. **Surg Gynecol Obstet** 1986 Nov;163(5):465–8

Endoscopic insertion of endoprostheses in the treatment of postoperative cutaneous biliary fistula. Goldin E, et al. **Surgery** 1987 Jul;102(1):88–90

New complications associated with the Angelchik prosthesis [letter] Ubbi C, et al. **Thorax** 1986 Aug;41(8):655–6

Complicated implantations of inflatable penile prostheses. Fishman IJ. **Urol Clin North Am** 1987 Feb;14(1):217–39

Prophylactic antibiotics in urology. Scherz HC, et al. **Urol Clin North Am** 1987 May;14(2):265–71

Outpatient implantation of penile prostheses under local anesthesia. Scott FB. **Urol Clin North Am** 1987 Feb; 14(1):177–85

Semirigid and malleable penile implants. Small MP. **Urol Clin North Am** 1987 Feb;14(1):187–201

AMS malleable penile prosthesis. Dorflinger T, et al. **Urology** 1986 Dec;28(6):480–5

Mentor inflatable penile prosthesis. Engel RM, et al. **Urology** 1987 May;29(5):498–500

Scrotal placement of reservoir of inflatable penile prosthesis. Fein RL. **Urology** 1986 Nov;28(5):430–1

Penile prosthesis: review of current models, mechanical reliability, and product cost. Gregory JG, et al. **Urology** 1987 Feb;29(2):150–2

Mentor inflatable penile prosthesis: a reliable mechanical device. Hackler RH. **Urology** 1986 Dec;28(6):489–91

Elimination of pain caused by Small–Carrion penile prosthesis. Krauss DJ. **Urology** 1987 May;:22–3

Dilamezinsert: aid to semirigid penile prosthesis insertion. Leach GE. **Urology** 1987 May;:5–6

Reliability of AMS M700 inflatable penile prosthesis. Malloy TR, et al. **Urology** 1986 Nov;28(5):385–7

Electroanalgesia in urologic surgery. Merrill DC. **Urology** 1987 May;29(5):494–7

Comparative studies of prosthetic materials in the left atrium of the dog. Kadowaki MH, et al. **Virchows Arch [A]** 1987; 411(2):173–7

Assessment of the Angelchik prosthesis for treatment of symptomatic esophageal reflux. Starling JR, et al. **World J Surg** 1987 Jun;11(3):350–5

[Methods of creating a neovagina and shunting cervical atresia. Advantages and disadvantages] Radtsuvalt Kh. **Akush Ginekol (Sofiia)** 1986;25(4):45–9 (Eng. Abstr.) **(Bul)**

[Use of testicular prostheses in andrologic practice] Tsvetkov D. **Akush Ginekol (Sofiia)** 1986;25(5):64–8 (Eng. Abstr.) **(Bul)**

[Endoprosthesis in surgery of the bile ducts] Merdzhanov A, et al. **Khirurgiia (Sofiia)** 1987;40(3):90–3 **(Bul)**

[Metallic vertebral body prosthetic replacement in the treatment of primary thoracic vertebra tumors complicated by paraplegia: long-term follow-up of 8 cases] Huang CD. **Chung Hua I Hsueh Tsa Chih** 1987 Feb;67(2):65–7 (Eng. Abstr.) **(Chi)**

[The zygomatic buccal flange naso-pharyngeal prong obturator used in repairing large maxillary defects] Zhou JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul; 21(4):223–5, 254 (Eng. Abstr.) **(Chi)**

[Experimental study of tracheal prosthesis] Zhu YL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):558–9, 575 (Eng. Abstr.) **(Chi)**

[Therapy of erectile impotence by implantation of endoprostheses] Kočí K, et al. **Rozhl Chir** 1986 Nov; 65(11):775–80 (Eng. Abstr.) **(Cze)**

[Prostheses for fingernails] Pillet J, et al. **Ann Dermatol Venereol** 1987;114(3):425–8 **(Fre)**

[Palliative treatment of cancer of the esophagus using an endoluminal prosthesis] Touré CT, et al. **Can J Surg** 1987 Jan;30(1):32–4 (Eng. Abstr.) **(Fre)**

[Subcutaneous mammectomy with prosthetic inclusion. Apropos of 114 cases] Giraud B, et al. **Chirurgie** 1986; 112(5):402–12 (Eng. Abstr.) **(Fre)**

[Pelvic cancers: radioprotection of the small intestine by using a mammary prosthesis for postoperative irradiation. Apropos of 12 cases] Lasser P, et al. **J Chir (Paris)** 1986 Oct;123(10):545–50 (Eng. Abstr.) **(Fre)**

[Current feasibility of keratoprostheses] Lacombe E. **J Fr Ophtalmol** 1986;9(4):323–9 (Eng. Abstr.) **(Fre)**

[Fixation of Gore-Tex slings to the pubococcygeal tendons: a simple technic of treating stress urinary incontinence using only the vaginal approach] Mouchel J. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):507–12 (Eng. Abstr.) **(Fre)**

[Urinary incontinence. Indications and results of hydraulic sphincter prosthesis] Boccon-Gibod L. **Presse Med** 1987 Jul 11–18;16(27):1317–20 (Eng. Abstr.) **(Fre)**

[Neoplastic jaundice. Percutaneous transhepatic approach to biliary endoprosthesis. 39 cases] Messner M, et al. **Presse Med** 1987 May 30;16(20):987–90 (Eng. Abstr.) **(Fre)**

[Reconstruction of noncircumferential bile duct defects by cementumplasty and temporary stenting] Meissner K, et al. **Chirurg** 1987 Mar;58(3):154–7 (Eng. Abstr.) **(Ger)**

[Migration of an Angelchik antireflux prosthesis in the gastrointestinal tract with ileus of the small intestine] Münch D, et al. **Chirurg** 1986 Dec;57(12):812–4 **(Ger)**

[Inoperable cancer of the esophagus. Palliation by dilatation or prosthesis] Tytgat GN. **Fortschr Med** 1987 Mar 20; 105(8):146–9 (Eng. Abstr.) **(Ger)**

[Did keratoprosthetics bring progress or failure?] Hruby K. **Fortschr Ophthalmol** 1987;84(2):142–3 (Eng. Abstr.) **(Ger)**

[Breast reconstructions using a dermal fat flap] Schrudde J. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):257–63 (Eng. Abstr.) **(Ger)**

[Capsule fibrosis in silicone implants] Stock W, et al. **Langenbecks Arch Chir** 1986;369:303–8 (Eng. Abstr.) **(Ger)**

[Experimental studies and theoretical considerations on the behavior of stapes metal prostheses in the magnetic field of a nuclear magnetic resonance tomograph] Hüttenbrink KB, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Mar; 66(3):127–30 (Eng. Abstr.) **(Ger)**

[Combined intraductal and percutaneous radiotherapy of malignant bile duct obstruction with subsequent prosthetic management] Brambs HJ, et al. **Onkologie** 1987 Apr; 10(2):84–9 (Eng. Abstr.) **(Ger)**

[Clinical aspects of implantation of a testicular prosthesis in boys] Markiewicz C, et al. **Padiatr Grenzgeb** 1987; 26(3):223–7 (Eng. Abstr.) **(Ger)**

[Treatment of pediatric urinary incontinence using an artificial sphincter] Berger D. **Ther Umsch** 1986 Nov; 43(11):797–801 (Eng. Abstr.) **(Ger)**

[Clinical experience using polyurethane ureter endoprostheses and studies of the incrustation tendency] Kleinhans G, et al. **Urologe [A]** 1987 Mar;26(2):74–8 (Eng. Abstr.) **(Ger)**

[Ureter replacement operations] Melchior H, et al. **Urologe [A]** 1987 Jul;26(4):181–8 (Eng. Abstr.) **(Ger)**

[Indications for intubation of malignant esophageal and cardia stenoses using endoprostheses] Wündrich B, et al. **Z Arztl Fortbild (Jena)** 1986;80(24):1025–7 **(Ger)**

[A plastic substitute for the superior sagittal sinus in pigs] Schulz MR, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(1):31–6 (Eng. Abstr.) **(Ger)**

[An alternative treatment strategy in lumbar intervertebral disk damage using an SB Charité modular type intervertebral disk endoprosthesis] Büttner-Janz K, et al. **Z Orthop** 1987 Jan–Feb;125(1):1–6 (Eng. Abstr.) **(Ger)**

[Recent aspects of the biocompatibility of carbon fibers. A histologic and electron microscopy analysis] Sparmann M, et al. **Z Orthop** 1986 Nov–Dec;124(6):671–6 (Eng. Abstr.) **(Ger)**

[Non-surgical insertion of an endoprosthesis in incurable esophageal and cardial cancer] Baumann J, et al. **Zentralbl Chir** 1986;111(14):874–6 **(Ger)**

[Poland syndrome. Possibilities for treatment] Knoch HG. **Zentralbl Chir** 1986;111(15):941–2 **(Ger)**

[A new prosthesis for intubation in the treatment of malignant esophago-respiratory fistulae] Kotsis L. **Orv Hetil** 1987 Mar 1;128(9):473–5 (Eng. Abstr.) **(Hun)**

[Alternatives to heart transplantation] Cortesini R, et al. **Cardiologia** 1986 Nov;31(11):1065–8 **(Ita)**

[Percutaneous treatment of ureteral obstructions with an internal double-J prosthesis. Initial long-term results] Gandini G, et al. **Radiol Med (Torino)** 1987 Jul–Aug; 74(1–2):23–9 (Eng. Abstr.) **(Ita)**

[Percutaneous pancreato-gastrostomy in the treatment of pancreatic pseudocysts. Presentation of 2 cases] Gandini G, et al. **Radiol Med (Torino)** 1987 Jul–Aug;74(1–2):81–7 (Eng. Abstr.) **(Ita)**

[Usefulness of esophageal prosthesis in inoperable esophageal cancer] Kano T, et al. **Gan No Rinsho** 1987 Jul;33(8):885–91 (Eng. Abstr.) **(Jpn)**

[Total femur replacement in osteogenic sarcoma of the femur] Shinjo K, et al. **Gan No Rinsho** 1987 Jul;33(8):993–1000 (Eng. Abstr.) **(Jpn)**

[Experimental study of the materials used for intra-atrial baffles—a comparison between the Gore-Tex sheet and the Gore-Tex patch] Togo T, et al. **Kyobu Geka** 1986 Aug; 39(8):627–30 (Eng. Abstr.) **(Jpn)**

[Prosthetic reconstruction of the trachea and carina] Matsubara Y, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr; 88(4):478–82 (Eng. Abstr.) **(Jpn)**

[Replacement of the trachea with a polyvinyl alcohol hydrogel] Miyamoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):290–6 (Eng. Abstr.) **(Jpn)**

[Exchanging intervertebral disks. The concept and clinical experience using a cement-free intervertebral disk endoprosthesis of the "Charité Modular SB" type]Zippel H, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(4):245–8 (Eng. Abstr.) **(Rus)**

[Penis endoprosthesis as a means of treating Peyronie's disease] Zil'berman MN. **Klin Khir** 1986;(12):51 **(Rus)**

[Methods of surgical treatment of the sequelae of birth injuries of the brachial plexus using myolavsanoplasty] Mirazimov BM, et al. **Ortop Travmatol Protez** 1987 Jan; (1):45–7 **(Rus)**

[Medico-psychological aspects of reconstructive-plastic surgery after mastectomy for cancer] Tkhostov ASh, et al. **Sov Med** 1987;(3):19–22 (Eng. Abstr.) **(Rus)**

[The artificial sphincter. Experience with the AS 800 model. Preliminary results] Romero Maroto J, et al. **Arch Esp Urol** 1986 Sep;39(7):503–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Risk associated with diagnostic–therapeutic invasive procedures in intensive care units. Schito GC, et al. **Chemioterapia** 1987 Jun;6(3):174–8

Angelchik antireflux prosthesis associated with pericarditis and complete transmural migration. Powers BJ, et al. **Gastrointest Endosc** 1987 Apr;33(2):111–3

Angelchik antireflux device: computed tomography appearance. Sussman SK, et al. **J Comput Tomogr** 1987 Apr;11(2):212–5

Sequential technetium–99m HMDP–gallium–67 citrate imaging in the painful prosthesis [letter] McKillop JH, et al. **J Nucl Med** 1987 May;28(5):926–7

Erosion of inflatable penile prosthesis reservoir into bladder. Fitch WP 3d, et al. **J Urol** 1986 Nov;136(5):1080

An unusual complication of the inflatable penile prosthesis. Fuerst DE, et al. **J Urol** 1986 Oct;136(4):913–4

Salvage of the eroded inflatable penile prosthesis: a new concept. Furlow WL, et al. **J Urol** 1987 Aug;138(2):312–4

Erosion of an inflatable penile prosthesis reservoir into an ileal conduit. Godiwalla SY, et al. **J Urol** 1987 Feb; 137(2):297–8

Periprosthetic infections. Montague DK. **J Urol** 1987 Jul; 138(1):68–9

Tunica wedge excision to correct penile curvature associated with the inflatable penile prosthesis. Mulcahy JJ, et al. **J Urol** 1987 Jul;138(1):63–4

Prosthetic infections [editorial] Scott FB. **J Urol** 1987 Jul; 138(1):113

Infectious complications of penile prosthetic implants. Thomalla JV, et al. **J Urol** 1987 Jul;138(1):65–7

Rejection of prostheses and metal sensitivities [letter] Ford RM. **Med J Aust** 1987 May 4;146(9):504

The Angelchik anti-reflux prosthesis and postoperative dysphagia. Leguit P Jr, et al. **Neth J Surg** 1987 Jun; 39(3):86–9

Expansion exercises: modifying contracture of the augmented breast. Riddle LB. **Res Nurs Health** 1986 Dec;9(4):341–5

Dacron "sock" repair for proximal corporeal perforation. Fritzler M, et al. **Urology** 1986 Dec;28(6):524–6

Intracorporeal drainage after removal of infected penile prostheses. Maatman TJ, et al. **Urology** 1987 May;:42–3

Potential problems with testicular prostheses. Marshall S. **Urology** 1986 Nov;28(5):388–90

[Prostheses and complications of silicones] Bricout N, et al. **Ann Chir Plast Esthet** 1986;31(3):268–71 (Eng. Abstr.) **(Fre)**

[Dermatoses caused by intolerance to metals of osteosynthesis materials and prostheses (nickel, chromium, cobalt)] Rostoker G, et al. **Ann Dermatol Venereol** 1986; 113(11):1097–108 (51 ref.) **(Fre)**

[Complications of the prosthetic repair of inguinal hernia] Stoppa R, et al. **Chirurgie** 1987;113(2):195–204 (Eng. Abstr.) **(Fre)**

[Erosion and intragastric migration of Angelchik's prosthesis. Presentation of a clinical case] Donadio F, et al. **Minerva Chir** 1987 Feb 28;42(4):273–6 (Eng. Abstr.) **(Ita)**

[Endoprosthesis of the common bile duct in benign stricture complicated by intrahepatic cholelithiasis] Ovchininskiĭ MN, et al. **Vestn Khir** 1987 Apr;138(4):56–7 **(Rus)**

HISTORY

Cranioplasty and cranial prosthesis. By P. Lecène. 1920. **Plast Reconstr Surg** 1986 Oct;78(4):530–5

[The gunner with the silver mask. An ingenious design for facial reconstruction in the 19th century] Renk A, et al. **Fortschr Med** 1987 Jan 30;105(3):59–61 **(Ger)**

PSYCHOLOGY

Supra-biological factors in the assessment of males seeking penile prostheses [letter] Cooper AJ. **Can J Psychiatry** 1986 Aug;31(6):600–2

[Socio-psychological aspects of prosthesis in women undergoing mastectomy for breast cancer] Gundareva ID, et al. **Vopr Onkol** 1987;33(5):30–3 (Eng. Abstr.) **(Rus)**

STANDARDS

The choice and design of implantable materials in orthopaedic surgery. Hudson I. **Br J Hosp Med** 1987 Jun; 37(6):542–5

Regulation of orthopedic devices. Alexander H. **J Biomed Mater Res** 1987 Aug;21(A2 Suppl):139–42

Re: Angliss V.E. "Holte revisited—a review of the quality of prosthetic treatment" [letter] Wooley DP. **Prosthet Orthot Int** 1987 Apr;11(1):46–7

TRENDS

The Knud Jansen lecture. Innovation in prosthetics and orthotics. Foort J. **Prosthet Orthot Int** 1986 Aug; 10(2):61–71

PROSTHESIS DESIGN

see related
DENTAL PROSTHESIS DESIGN

Reassessing myoelectric control: is it time to look at alternatives? [letter] **Can Med Assoc J** 1987 Jul 1; 137(1):10–1

Use of the Charnley mini-offset bore acetabular component in severe acetabular dysplasia. A preliminary report. Dennis DA, et al. **Clin Orthop** 1986 Oct;(211):140–7

A modification of Charnley low-friction arthroplasty. Representative ten-year follow-up results of the St. Georg prosthesis. Röttger J, et al. **Clin Orthop** 1986 Oct; (211):154–63

An above-elbow prosthesis employing programmed linkages. Gibbons DT, et al. **IEEE Trans Biomed Eng** 1987 Jul; 34(7):493–8

Pelvic stresses in vitro—II. A study of the efficacy of metal-backed acetabular prostheses. Finlay JB, et al. **J Biomech** 1986;19(9):715–25

Influence of stent height upon stresses on the cusps of closed bioprosthetic valves. Hamid MS, et al. **J Biomech** 1986; 19(9):759–69

Control of a single degree of freedom artificial hand. Chappell PH, et al. **J Biomed Eng** 1987 Jul;9(3):273–7

Power for neurological prostheses: a simple inductive R.F. link with improved performance. Donaldson PE. **J Biomed Eng** 1987 Jul;9(3):194–7

Effects of stem design and material properties on stresses in hip endoprostheses. Rohlmann A, et al. **J Biomed Eng** 1987 Jan;9(1):77–83

Control of upper-limb prostheses: a case for neuroelectric control. De Luca CJ. **J Med Eng Technol** 1978 Mar; 2(2):57–61

Three separation-insensitive radiofrequency inductive links. Donaldson PE. **J Med Eng Technol** 1987 Jan–Feb; 11(1):23–9

A technique for making a facial moulage. Moergeli JR Jr. **J Prosthet Dent** 1987 Feb;57(2):253

Computer-aided design and manufacture of prostheses is still experimental [letter] Fishman S. **JAMA** 1987 Feb 6; 257(5):626–7

The iliac crest spacer. Itoh Y, et al. **Keio J Med** 1986 Jun; 35(2):101–6

Significant variables that must be controlled in the design and synthesis of polyurethanes for use in medicine. Gilding DK, et al. **Life Support Syst** 1987 Jan–Mar;5(1):19–24

Application of computer graphics in the design of custom orthopedic implants. Bechtold JE. **Orthop Clin North Am** 1986 Oct;17(4):605–12

Evaluating the Contourhook—help or hindrance? Angliss VE. **Prosthet Orthot Int** 1986 Aug;10(2):99–102

The Knud Jansen lecture. Innovation in prosthetics and orthotics. Foort J. **Prosthet Orthot Int** 1986 Aug; 10(2):61–71

Results of the pilot phase of a clinical evaluation of computer aided design of trans-tibial prosthesis sockets. Holden JM, et al. **Prosthet Orthot Int** 1986 Dec;10(3):142–8

A three-quarter type below-elbow socket for myoelectric prostheses. Sauter WF, et al. **Prosthet Orthot Int** 1986 Aug; 10(2):79–82

Custom moulded plastic spinal orthoses. Turner MS, et al. **Prosthet Orthot Int** 1986 Aug;10(2):83–8

STANDARDS

The choice and design of implantable materials in orthopaedic surgery. Hudson I. **Br J Hosp Med** 1987 Jun; 37(6):542–5

PROSTHESIS FAILURE see under **EQUIPMENT FAILURE**

PROSTHESIS, OSSICULAR see **OSSICULAR REPLACEMENT PROSTHESIS**

PROSTHODONTICS

Prosthodontists' preferences in preprosthetic surgery. Meador LR, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):779–80

Perceived or actual overlap between the scope of prosthodontics and other recognized dental specialties. Landesman HM, et al. **J Prosthet Dent** 1987 Jan;57(1):113–5

American Board of Prosthodontics. Lang BR. **J Prosthet Dent** 1986 Dec;56(6):748–58

Prosthetic dentistry. Phillips HB. **Radiography** 1987 Jan–Feb; 53(607):53–5

EDUCATION

Educational status of maxillofacial prosthetics in Europe. Polyzois GL. **J Dent Educ** 1987 Aug;51(8):489–91

Changes over nine years in patients needed for restorative requirements. Scheid RC, et al. **J Dent Educ** 1987 Apr; 51(4):192–4

Maxillofacial prosthetics: demand and responsibility. Desjardins RP. **J Prosthet Dent** 1986 Oct;56(4):473–7

Dental implants: the need for expanded educational commitments. Judy KW. **NY State Dent J** 1986 Dec; 52(10):7–8

INSTRUMENTATION

[Measurements of the linear parameters in prosthodontics] Spiridonov LG. **Stomatologiia (Mosk)** 1987 May–Jun; 66(3):65–6 (Eng. Abstr.) **(Rus)**

METHODS

[Laboratory moulding of Metaplex for stomatologic use] Zietek M. **Polim Med** 1986;16(1–2):73–7 (Eng. Abstr.) **(Pol)**

TRENDS

[Indices of the demand for orthodontic care and denture status of the builders and operators of the eastern portion of the Baikal-Amur mainline] Oskol'skiĭ GI. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):76–7 **(Rus)**

PROSTITUTION

Jungian feminine psychology and adolescent prostitutes. Newton-Ruddy L, et al. **Adolescence** 1986 Winter; 21(84):815–25

Female prostitutes and sexually transmitted diseases. Barton SE, et al. **Br J Hosp Med** 1987 Jul;38(1):34, 36, 40 passim (50 ref.)

Widespread use of condoms and low prevalence of sexually transmitted diseases in Danish non-drug addict prostitutes. Krogsgaard K, et al. **Br Med J [Clin Res]** 1986 Dec 6; 293(6560):1473–4

Evidence for HTLV-III infection in prostitutes in Tamil Nadu (India). Simoes EA, et al. **Indian J Med Res** 1987 Apr;85:335–8

Youth prostitution: a balance of power. McMullen RJ. **J Adolesc** 1987 Mar;10(1):35–43

Syphilis among pregnant Thai prostitutes. Phaosavasdi S, et al. **J Med Assoc Thai** 1987 Apr;70(4):217–22

Leads from the MMWR. Antibody to human immunodeficiency virus in female prostitutes. **JAMA** 1987 Apr 17;257(15):2011–3

HIV antibodies in drug-addicted prostitutes [letter] Dan M, et al. **JAMA** 1987 Feb 27;257(8):1047

Prevalence of HIV antibodies among prostitutes in Zürich, Switzerland. Lüthy R, et al. **Klin Wochenschr** 1987 Mar 16;65(6):287–8

Prevalence of HIV infection in risk groups in Tamilnadu, India [letter] John TJ, et al. **Lancet** 1987 Jan 17; 1(8525):160–1

Antibody to human immunodeficiency virus in female prostitutes. **MMWR** 1987 Mar 27;36(11):157–61

Condom use and HIV infection among prostitutes in Zaire [letter] Mann J, et al. **N Engl J Med** 1987 Feb 5;316(6):345

Awareness of AIDS among transsexual prostitutes in Singapore. Ratnam KV. **Singapore Med J** 1986 Dec; 27(6):519–21

[Insane, these women?] Nicolas P, et al. **Ann Med Psychol (Paris)** 1987 Feb;145(2):164–9 **(Fre)**

[Extent of venereal diseases, hepatitis B and acquired immunologic deficiency syndrome in prostitution] Scheffel D, et al. **Beitr Gerichtl Med** 1986;44:55–62 (Eng. Abstr.) **(Ger)**

[HTLV-III monitoring in prostitutes in Vienna] Kopp W, et al. **Wien Klin Wochenschr** 1986 Oct 24;98(20):695–8 (Eng. Abstr.) **(Ger)**

[Bacterial flora of the vagina in prostitutes with special reference to anaerobes] Lawrynowicz R, et al. **Przegl Dermatol** 1987 Jan–Feb;74(1):40–5 (Eng. Abstr.) **(Pol)**

[Infection by hepatitis B virus in prostitutes: a public health problem (editorial)] Leal M, et al. **Med Clin (Barc)** 1986 Sep 20;87(8):326–7 **(Spa)**

[Prostitution as a risk group in acquired immunodeficiency syndrome (letter)] Nolla Salas J, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):81 **(Spa)**

[Herpes genitalis, in prostitutes. Detection of asymptomatic viral excretors and their epidemiological role] Maggi L, et al. **Rev Med Chil** 1986 Apr;114(4):291–7 (Eng. Abstr.) **(Spa)**

[Incidence of cervix infection caused by Chlamydia trachomatis and urogenital Mycoplasma in an outpatient clinic of sexually transmitted diseases] Martínez MA, et al. **Rev Med Chil** 1986 Feb;114(2):118–22 (Eng. Abstr.) **(Spa)**

[Methadone treatment in the prevention of AIDS. Heroin-dependent prostitutes are an important target] Gunne LM, et al. **Lakartidningen** 1986 Dec 3;83(49):4194–6 **(Swe)**

HISTORY

[Hottentots and prostitutes: on an iconography of the sexualized woman] Gilman SL. **Clio Med** 1984; 19(1–2):111–35 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Lack of HIV infection and condom use in licensed prostitutes [letter] Smith GL, et al. **Lancet** 1986 Dec 13;2(8520):1392

PROTACTINIUM

BLOOD

Identification of transferrin as the main binding site for protactinium in rat blood serum. Taylor DM, et al. **Int J Rad Appl Instrum [B]** 1987;14(1):27–31

PROTAMINES

Reversible binding of Salmonella typhimurium lipopolysaccharides by immobilized protamine. Helander IM, et al. **Eur J Biochem** 1987 Feb 16;163(1):51–5

ADMINISTRATION & DOSAGE

Time dependent stimulating effect of glucagon on the capacity of urea-N synthesis in rats. Petersen KF, et al. **Horm Metab Res** 1987 Feb;19(2):53–6

Cardiorespiratory effects of protamine sulphate in man: intra-aortic vs intra-right atrial rapid administration after cardiopulmonary bypass. Procaccini B, et al. **J Cardiovasc Surg (Torino)** 1987 Mar–Apr;28(2):112–9

[Modification of the sensitivity of Pseudomonas aeruginosa ATCC 15442 to chloroxylenol in the presence of protamine] Boussard P, et al. **J Pharm Belg** 1986 Nov–Dec; 41(6):402–5 (Eng. Abstr.) **(Fre)**

[Use of the Soviet-made microcomputer MK-54 for the calculation of heparin and protamine sulfate doses during operations with artificial circulation] Savina ME, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):57–9 (Eng. Abstr.) **(Rus)**

[Cardiovascular effects of protamine sulfate in man: rapid intra-aortic and right intra-auricular administration following extracorporeal circulation] Blanco E, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):173–5 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pulmonary hypertension and prostaglandins after protamine. McIntyre RW, et al. **Am J Cardiol** 1986 Oct 1;58(9):857–8

Humoral mediators of catastrophic reactions associated with protamine neutralization [editorial] Colman RW. **Anesthesiology** 1987 May;66(5):595–6

C5a and thromboxane generation associated with pulmonary vaso- and broncho-constriction during protamine reversal of heparin. Morel DR, et al. **Anesthesiology** 1987 May; 66(5):597–604

Case of generalized allergy due to zinc and protamine in insulin preparation [letter] Bruni S, et al. **Diabetes Care** 1986 Sep–Oct;9(5):552

Protamine anaphylaxis—a case report and review of literature. Mingi CL, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Dec;23(4):220–6

Protamine administration: untoward responses and their mechanisms. Konstadt SN. **Mt Sinai J Med (NY)** 1987 May; 54(4):297–300

[A case of A-C bypass with protamine hypersensitivity] Tsuji Y, et al. **Kyobu Geka** 1986 Dec;39(12):973–6 **(Jpn)**

[The most common secondary effects of protamine] Alvarez Escudero J, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct; 33(5):349–55 **(Spa)**

[Secretion of 5-hydroxytryptamine after administration of protamine sulfate in heart surgery and carotid endarterectomy] Pajuelo A, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):408–13 (Eng. Abstr.) **(Spa)**

ANALYSIS

Characterization of protamines from four avian species. Chiva M, et al. **FEBS Lett** 1987 May 11;215(2):237–40

Monoclonal antibodies to human protamines. Stanker LH, et al. **Hybridoma** 1987 Jun;6(3):293–303

Primary structures of M6 and M7 of mugiline beta (Mugil japonicus). Okamoto Y, et al. **J Biochem (Tokyo)** 1987 Apr; 101(4):1017–24

Protamine polymorphism in Xenopus laevis laevis. Risley MS, et al. **J Exp Zool** 1987 Jun;242(3):373–7

Protamine titration kit [letter] MacGillivray RG, et al. **S Afr Med J** 1987 May 16;71(10):668

Prototype of a new protamine sulphate titration kit for use in cardiopulmonary bypass surgery. Shipton EA, et al. **S Afr Med J** 1986 Dec 20;70(13):809–11

BIOSYNTHESIS

Nucleotide sequence of a bovine protamine cDNA. Lee CH, et al. **Biol Chem Hoppe Seyler** 1987 Feb;368(2):131–5

GENETICS

Haploid expression of a protamine gene during bovine spermatogenesis. Lee CH, et al. **Biol Chem Hoppe Seyler** 1987 Jul;368(7):807–11

Oligonucleotides as probes for mammalian protamine mRNAs. Krawetz SA, et al. **Biosci Rep** 1986 Jun; 6(6):585–90

Translation of mouse testis poly(A)+ mRNAs for testis-specific protein, protamine 1, and the precursor for protamine 2. Kleene KC, et al. **Dev Biol** 1987 Sep; 123(1):125–35

Cloning of bovine P1 protamine cDNA and the evolution of vertebrate P1 protamines. Krawetz SA, et al. **DNA** 1987 Feb;6(1):47–57

Isolation and characterization of a cDNA clone encoding testis protamine Z1 from the dog-fish Scylliorhinus caniculus. Berlot-Picard F, et al. **Eur J Biochem** 1987 Jun 15;165(3):553–7

Nucleotide sequence of a cDNA clone encoding Scylliorhinus caniculus protamine Z2. Berlot-Picard F, et al. **Eur J Biochem** 1986 Oct 15;160(2):305–10

In vitro expression of two proteins from overlapping reading frames in a eukaryotic DNA sequence. Jankowski JM, et al. **J Mol Evol** 1986;24(1–2):61–71

Mouse protamine 2 is synthesized as a precursor whereas mouse protamine 1 is not. Yelick PC, et al. **Mol Cell Biol** 1987 Jun;7(6):2173–9

DNA methylation pattern and restriction endonuclease accessibility in chromatin of a germ-line specific gene, the rainbow trout protamine gene. Delcuve GP, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3385–96

Spermatid-specific expression of protamine 1 in transgenic mice. Peschon JJ, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5316–9

ISOLATION & PURIFICATION

Isolation and characterization of two protamines St1 and St2 from stallion spermatozoa, and amino-acid sequence of the major protamine St1. Bélaïche D, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):145–9

High-performance liquid chromatographic separation and partial characterization of human protamines 1, 2, and 3. Balhorn R, et al. **Biotechnol Appl Biochem** 1987 Feb; 9(1):82–8

METABOLISM

Heparin-protamine complexes in the production of heparin rebound and other complications of extracorporeal bypass procedures. Shanberge JN, et al. **Am J Clin Pathol** 1987 Feb;87(2):210–7

Phosphorylation of protamines by protein kinase C: involvement of sites which are phosphorylated in vivo and are not affected by cAMP-dependent protein kinase. Ferrari S, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1324–31

Non-requirement of calcium on protamine phosphorylation by calcium-activated, phospholipid-dependent protein kinase. Sakai K, et al. **Biochem Int** 1987 Jan;14(1):63–70

Protein kinase C phosphorylation of protamine is Ca2+ independent, but the addition of DNA renders it Ca2+ dependent. Kimura K, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):203–7

PHARMACODYNAMICS

Electrical charge and joint inflammation. Suppression of cationic aBSA-induced arthritis with a competitive polycation. van den Berg WB, et al. **Am J Pathol** 1987 Apr;127(1):15–26

Protamine: does it alter right ventricular function? Hines RL, et al. **Anesth Analg** 1986 Dec;65(12):1271–4

The myocardial contractile responses to protamine sulfate and heparin. Hendry PJ, et al. **Ann Thorac Surg** 1987 Sep; 44(3):263–8

Marked differences in the ability of distinct protamines to disassemble nucleosomal core particles in vitro. Oliva R, et al. **Biochemistry** 1986 Oct 21;25(21):6508–11

The effects of Triton WR-1339, protamine sulfate and heparin on the plasma removal of emulsion models of chylomicrons and remnants in rats. Hirata MH, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):344–6

Protamine increases the affinity of 3'-phosphoadenosine 5'-phosphosulfate toward a sulfotransferase from chicken embryo epiphyseal cartilage. Salač ML, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):605–9

Intracarotid infusions of protamine sulfate disrupt the blood-brain barrier of rabbits. Strausbaugh LJ. **Brain Res** 1987 Apr 21;409(2):221–6

The vascularization of artificial skin grafts in rats: its modification by protamine. Ehrlich HP, et al. **Exp Mol Pathol** 1986 Aug;45(1):68–75

Protamine-induced platelet aggregation and clotting investigated by ultrasound. Machi J, et al. **Haemostasis** 1987;17(4):226–34

Protamine sulfate-induced enzyme secretion from rabbit neutrophils. Elferink JG, et al. **Inflammation** 1986 Dec; 10(4):413–23

Protamine sulfate causes pulmonary hypertension and edema in isolated rat lungs. Fairman RP, et al. **J Appl Physiol** 1987 Apr;62(4):1363–7

Protamine sulfate inhibits mitogenic activities of the extracellular matrix and fibroblast growth factor, but potentiates that of epidermal growth factor. Neufeld G, et al. **J Cell Physiol** 1987 Aug;132(2):287–94

Protamine alters structure and conductance of Necturus gallbladder tight junctions without major electrical effects on the apical cell membrane. Bentzel CJ, et al. **J Membr Biol** 1987;95(1):9–20

Sequestration of platelets in the pulmonary circulation as a consequence of protamine reversal of the anticoagulant effects of heparin. Wakefield TW, et al. **J Vasc Surg** 1987 Jan;5(1):187–93

Neutralization of a low molecular weight heparin (LHN-1) and conventional heparin by protamine sulfate in rats. Diness V, et al. **Thromb Haemost** 1986 Dec 15;56(3):318–22

Interrelationship of protamine and platelet factor 4 in the neutralization of heparin. Shanberge JN, et al. **Thromb Res** 1987 Apr 1;46(1):89–100

Inhibition of thrombin uptake in fresh human umbilical veins--the effect of protamine concentration. Lindblom A, et al. **Vasa** 1987;16(1):9–11

[In vitro and in vivo neutralisation of a low molecular weight heparin fraction CY 216 by protamine] Doutremepuich C, et al. **Ann Pharm Fr** 1986;44(1):65–72 (Eng. Abstr.) **(Fre)**

[Neutralization of a very low molecular weight heparin fraction CY 222 by protamine. In vitro and in vivo study] Doutremepuich C, et al. **Therapie** 1986 Nov–Dec; 41(6):433–6 (Eng. Abstr.) **(Fre)**

[Control of the therapeutic heparin dosage in platelet rich citrate plasma after protamine neutralization] Görss EW, et al. **Folia Haematol (Leipz)** 1986;113(6):815–22 (Eng. Abstr.) **(Ger)**

[Neutralization of low molecular weight heparin Kabi 2165 by protamine chloride] Harenberg J, et al. **Klin Wochenschr** 1986 Nov 17;64(22):1171–5 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Anticoagulation with heparin during cardiac catheterization and its reversal by protamine. Dehmer GJ, et al. **Cathet Cardiovasc Diagn** 1987 Jan–Feb;13(1):16–21

Electrical charge and joint inflammation: suppression of cationic aBSA induced arthritis with the polycation protamine. van den Berg WB, et al. **Int J Tissue React** 1987;9(4):335–9

Protamine sulphate and heparin rebound following open-heart surgery. Kesteven PJ, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct;27(5):600–3

TOXICITY

Protamine-induced pulmonary edema in rats. Koslow AR, et al. **Curr Surg** 1987 May–Jun;44(3):219–24

PROTEASE ANTAGONISTS see **PROTEASE INHIBITORS**

PROTEASE INHIBITORS

Human alveolar macrophages secrete an inhibitor of metalloproteinase elastase. Albin RJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1281–5

Enkephalinase inhibition suppresses naloxone-induced jumping in morphine-dependent mice. Dzoljic MR, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):222–8

A comprehensive study on the mechanism of inhibition of serine proteases by benzamidines based on quantitative structure-activity relationship studies. Gupta SP, et al. **Arzneimittelforschung** 1987 Jan;37(1):47–50

Effects of metalloendoprotease inhibitors on insulin binding, internalization and processing in adipocytes. Jochen A, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):205–12

Inhibition of serine proteases by benzoxazinones: effects of electron withdrawal and 5-substitution. Spencer RW, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):928–33

Significant effects of Z-Gln-Val-Val-OME, common sequences of thiol proteinase inhibitors on thiol proteinases. Teno N, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):749–52

Proteoglycan degradation by a chondrocyte metalloprotease. Effects of synthetic protease inhibitors. Caputo CB, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):995–1002

Iron-containing metallocenes as active site directed inhibitors of the proteinase that cleaves the NH2-terminal propeptides from type I procollagen. Dombrowski KE, et al. **Biochemistry** 1986 Jul 29;25(15):4302–9

Local structural features around the C-terminal segment of Streptomyces subtilisin inhibitor studied by carbonyl carbon nuclear magnetic resonances three phenylalanyl residues. Kainosho M, et al. **Biochemistry** 1987 Feb 24; 26(4):1068–75

Effects of metalloendoproteinase inhibitors on secretion and intracellular free calcium in bovine adrenal chromaffin cells. Harris B, et al. **Biochim Biophys Acta** 1986 Oct 31; 889(1):1–5

Comparison of spectral and structural properties of three homologous dimeric proteins. Komiyama T, et al. **Biochim Biophys Acta** 1987 Jul 24;914(1):89–95

The effect of analogues of chymostatin on lysosomal and non-lysosomal components of protein degradation in isolated hepatocytes. Place GA, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):185–93

Influence of EDTA and metal ions on a metalloproteinase from Pseudomonas fluorescens biotype I. Diermayr P, et al. **Biol Chem Hoppe Seyler** 1987 Jan;368(1):57–61

Inhibition of mast cell chymase by eglin c and antileukoprotease (HUSI-I). Indications for potential biological functions of these inhibitors. Fink E, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):567–71

Effect of aryl 4-guanidinobenzoates on the acrosin activity of human spermatozoa. Kaminski JM, et al. **Biol Reprod** 1987 Jun;36(5):1170–6

Inhibitory effects of Ge-132 (carboxyethyl germanium sesquioxide) derivatives on enkephalin-degrading enzymes. Komuro T, et al. **Biotechnol Appl Biochem** 1986 Oct; 8(5):379–86

A glia-derived neurite promoting factor with protease inhibitory activity belongs to the protease nexins. Gloor S, et al. **Cell** 1986 Dec 5;47(5):687–93

Synthesis and structure of prolinal-containing peptides, and their use as specific inhibitors of prolyl endopeptidases. Nishikata M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2931–6

Efficient synthetic method for ethyl (+)-(2S,3S)-3-[(S)-3-methyl-1-(3-methylbutylcarbamoyl)butylcarbamoyl]-2-oxiranecarb oxylate (EST), a new inhibitor of cysteine proteinases. Tamai M, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1098–104

Inhibition by equine alpha 2-macroglobulin of an N-succinyl-L-trialanine p-nitroanilide-hydrolyzing protease purified from pronase. Ueki H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4207–14

Study of a growth hormone-regulated protein secreted by rat hepatocytes: cDNA cloning, anti-protease activity and regulation of its synthesis by various hormones. Le Cam A, et al. **EMBO J** 1987 May;6(5):1225–32

Relationship between the cysteine-proteinase-inhibitory function of rat T kininogen and the release of immunoreactive kinin upon trypsin treatment. Moreau T, et al. **Eur J Biochem** 1986 Sep 1;159(2):341–6

Studies on the effect of serine protease inhibitors on activated contact factors. Application in amidolytic assays for factor XIIa, plasma kallikrein and factor XIa. Tans G, et al. **Eur J Biochem** 1987 May 4;164(3):637–42

Composite effects of actinonin when inhibiting enkephalin-degrading enzymes. Hachisu M, et al. **Eur J Pharmacol** 1987 May 7;137(1):59–65

Quisqualate selectively inhibits a brain peptidase which cleaves N-acetyl-L-aspartyl-L-glutamate in vitro. Robinson MB, et al. **Eur J Pharmacol** 1986 Nov 4; 130(3):345–7

Synthesis of enkephalinase B inhibitors, and their activity on isolated enkephalin-degrading enzymes. Van Amsterdam JG, et al. **Eur J Pharmacol** 1987 Mar 31; 135(3):411–8

Guanidinophenyl derivatives of pyrazole: synthesis and inhibitory effect on serine proteinases, blood coagulation and platelet aggregation. Ferroni R, et al. **Farmaco [Sci]** 1986 Oct;41(10):747–57

Preferential binding of collagenase to alpha 2-macroglobulin in the presence of the tissue inhibitor of metalloproteinases. Cawston TE, et al. **FEBS Lett** 1986 Dec 1;209(1):9–12

Chromogranin A can act as a reversible processing enzyme inhibitor. Evidence from the inhibition of the IRCM-serine protease 1 cleavage of pro-enkephalin and ACTH at pairs of basic amino acids. Seidah NG, et al. **FEBS Lett** 1987 Jan 26;211(2):144–50

Enkephalinase inhibition by thiorphan and subsequent response of ethanol, normorphine and enkephalins on mouse vas deferens. Blum K, et al. **Funct Neurol** 1986 Apr–Jun;1(2):156–64

Anti-carcinogenic effects of a serine protease inhibitor (FOY-305) through the suppression of neutral serine protease activity during chemical hepatocarcinogenesis in rats. Yamauchi Y, et al. **Hiroshima J Med Sci** 1987 Mar; 36(1):81–7

Inhibitory properties of several synthetic compounds towards human and goat acrosin, and trypsin. Bhattacharyya AK, et al. **Int J Fertil** 1986 Sep–Oct;31(4):293–7

Propioxatins A and B, new enkephalinase B inhibitors. II. Structural elucidation. Inaoka Y, et al. **J Antibiot (Tokyo)** 1986 Oct;39(10):1378–81

Ahpatinins, new acid protease inhibitors containing 4-amino-3-hydroxy-5-phenylpentanoic acid. Omura S, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1079–85

Inhibition of purified Escherichia coli leader peptidase by

the leader (signal) peptide of bacteriophage M13 procoat. Wickner W, et al. **J Bacteriol** 1987 Aug;169(8):3821–2

Inhibitory effect of a protease inhibitor, leupeptin, on the development of influenza pneumonia, mediated by concomitant bacteria. Tashiro M, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):2039–41

A serine proteinase inhibitor produced by an HTLV I virus–transformed human T lymphocyte line. Ganea D, et al. **J Immunol** 1987 Feb 15;138(4):1208–14

Design of alternate substrate inhibitors of serine proteases. Synergistic use of alkyl substitution to impede enzyme–catalyzed deacylation. Krantz A, et al. **J Med Chem** 1987 Apr;30(4):489–91

Inhibition of aspartic proteinases by peptides containing lysine and ornithine side–chain analogues of statine. Salituro FG, et al. **J Med Chem** 1987 Feb;30(2):286–95

Gabexate mesylate inhibition of serine proteases: thermodynamic and computer–graphics analysis. Menegatti E, et al. **J Pharm Sci** 1986 Dec;75(12):1171–4

In vitro and in vivo inhibition of cysteine proteinases by EST, a new analog of E–64. Tamai M, et al. **J Pharmacobiodyn** 1986 Aug;9(8):672–7

Effect of synthetic metalloprotease inhibitors on cartilage autolysis in vitro. Caputo CB, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):460–5

Inhibition of Met5–enkephalin–Arg6–Phe7 degradation by inhibitors of dipeptidyl carboxypeptidase. Mellstrom B, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):174–8

Inhibitory effect of human urinary trypsin inhibitor (urinastatin) on lysosomal thiol proteinases. Shikimi T, et al. **Jpn J Pharmacol** 1986 Dec;42(4):571–4

Analgesic effect of actinonin, a new potent inhibitor of multiple enkephalin degrading enzymes. Hachisu M, et al. **Life Sci** 1987 Jul 13;41(2):235–40

Origin of the stimulation of food intake by oral administration of enkephalinase inhibitors in sheep. Rivière PJ, et al. **Life Sci** 1987 Jul 20;41(3):333–9

Trial of a cysteine proteinase inhibitor, EST, in experimental chloroquine myopathy in rats. Sugita H, et al. **Muscle Nerve** 1987 Jul–Aug;10(6):516–23

Specific inhibitors of pyroglutamyl peptidase I and prolyl endopeptidase do not change the in vitro release of TRH or its content in rodent brain. Charli JL, et al. **Neuropeptides** 1987 May–Jun;9(4):373–8

The enkephalinase inhibitor, GB 52, does not affect nociceptive flexion reflexes nor pain sensation in humans. Willer JC, et al. **Neuropharmacology** 1986 Aug;25(8):819–22

Phelorphan, an inhibitor of enzymes involved in the biodegradation of enkephalins, affected the withdrawal symptoms in chronic morphine–dependent rats. Haffmans J, et al. **Neuroscience** 1987 Jul;22(1):233–6

Acetorphan, an enkephalinase inhibitor, decreases gastric secretion in cats. Bado A, et al. **Peptides** 1987 Jan–Feb; 8(1):89–93

Metalloendoprotease inhibitors that block fusion also prevent biochemical differentiation in L6 myoblasts. Baldwin E, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8029–33

Hemorrhage in lesions caused by cowpox virus is induced by a viral protein that is related to plasma protein inhibitors of serine proteases. Pickup DJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7698–702

Proteoglycan– and collagen–degrading enzymes from human interleukin 1–stimulated chondrocytes from several species: proteoglycanase and collagenase inhibitors as potentially new disease–modifying antiarthritic agents. DiPasquale G, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):262–7

Antiprotease targeting: altered specificity of alpha 1–antitrypsin by amino acid replacement at the reactive centre. Jallat S, et al. **Rev Fr Transfus Immunohematol** 1986 Sep;29(4):287–98

[Contraception by inhibitors of acrosomal proteinase] Zhou YC. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):221–4 (21 ref.) **(Chi)**

[Synthetic inhibitors of serine proteinases. 32. Inhibition of trypsin, plasmin and thrombin by amides of N–alpha–substituted 4–amidinophenylalanine. Effect of various amino acids and blocking groups of the n–alpha residue on inhibitory activity] Stürzebecher J, et al. **Pharmazie** 1987 Feb;42(2):114–6 (Eng. Abstr.) **(Ger)**

[Anti–amnesic effect of prolyl endopeptidase inhibitors in mice] Nanri M, et al. **Nippon Yakurigaku Zasshi** 1987 Jun; 89(6):323–9 (Eng. Abstr.) **(Jpn)**

[Experimental models for studying the avoidance response in mice and the anti–amnesic effect of prolyl endopeptidase inhibitors] Taira K, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):243–52 (Eng. Abstr.) **(Jpn)**

[Effect of a cysteine protease inhibitor EST on urinary 3–methylhistidine in dystrophic hamsters (BIO 14.6)] Terao T, et al. **Rinsho Shinkeigaku** 1986 Nov;26(11):1218–23 (Eng. Abstr.) **(Jpn)**

[Epsilon–aminocaproic acid inhibits the propagation of damage along the nerve fiber] Braun Ad, et al. **Tsitologiia** 1987 Mar;29(3):369–72 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The relative potency of enkephalins and beta–endorphin in guinea–pig ileum, mouse vas deferens and rat vas deferens after the administration of peptidase inhibitors. Kuno Y, et al. **Jpn J Pharmacol** 1986 Jul;41(3):273–81

Biologic availability of injected or aerosolized alpha 1 proteinase inhibitor. Smith RM, et al. **Prog Clin Biol Res** 1987;236A:203–10

[Cryoplasmic–antienzyme therapy in infectious destructive diseases of the lungs] Sholkhet IaN, et al. **Ter Arkh** 1987; 59(3):119–22 **(Rus)**

[Validation of the use of protease inhibitor electrophoresis with sinusoidal modulated currents] Vygidner EB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug;(4):8–11 **(Rus)**

ANALYSIS

Protease inhibitors in plant foods: content and inactivation. Rackis JJ, et al. **Adv Exp Med Biol** 1986;199:299–347 (197 ref.)

Amniotic fluid protease activity, protease inhibitory activity, and fetal lung maturity. Menashe M, et al. **Am J Perinatol** 1987 Jan;4(1):68–71

Isolated bovine myocardial sarcolemma and sarcoplasmic reticulum vesicles contain tightly bound calcium–dependent protease inhibitor. Mellgren RL, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1025–31

The amino–acid sequences of the double–headed proteinase inhibitors from cat, lion and dog submandibular glands. Reisinger PW, et al. **Biol Chem Hoppe Seyler** 1987 Jun; 368(6):717–26

Prediction of the secondary structures of stefins and cystatins, the low–molecular mass protein inhibitors of cysteine proteinases. Sali A, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):493–9

The cystatins: a diverse superfamily of cysteine peptidase inhibitors. Barrett AJ. **Biomed Biochim Acta** 1986; 45(11–12):1363–74 (45 ref.)

Kininogens: inhibitors of cysteine proteinases in plasma and a similar inhibitor in chicken egg white. Brzin J, et al. **Biomed Biochim Acta** 1986;45(11–12):1385–90

The high–resolution X–ray crystal structure of the complex formed between subtilisin Carlsberg and eglin c, an elastase inhibitor from the leech Hirudo medicinalis. Structural analysis, subtilisin structure and interface geometry. Bode W, et al. **Eur J Biochem** 1987 Aug 3;166(3):673–92

Evaluation of antileukoprotease in surgical lung specimens. Willems LN, et al. **Eur J Respir Dis** 1986 Oct;69(4):242–7

Effects of cigarette smoke on antiproteases at the human lung surface. Smith SF, et al. **Eur J Respir Dis [Suppl]** 1986; 146:139–43

Elastase activity in granulomatous inflammation in experimental murine leprosy. Hsu PS, et al. **Exp Mol Pathol** 1986 Aug;45(1):84–92

Protein, progesterone, and protease inhibitors in uterine and peritoneal fluids of women with endometriosis. Fazleabas AT, et al. **Fertil Steril** 1987 Feb;47(2):218–24

Detection of antileukoprotease in connective tissue of the lung. Willems LN, et al. **Histochemistry** 1986;86(2):165–8

Alpha 1–protease inhibitor in serous effusions: differences in lectin crossed immuno–affinoelectrophoresis precipitin profiles between benign and malignant disease. Bleasby AJ, et al. **Int J Tissue React** 1986;8(5):393–400

Cysteine proteinase inhibitors in human and rat male sex glands. Minakata K, et al. **J Reprod Fertil** 1987 May; 80(1):201–6

Primary structure of human corticosteroid binding globulin, deduced from hepatic and pulmonary cDNAs, exhibits homology with serine protease inhibitors. Hammond GL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5153–7

ANTAGONISTS & INHIBITORS

Ozone effects on inhibitors of human neutrophil proteinases. Smith CE, et al. **Arch Biochem Biophys** 1987 Feb 15; 253(1):146–55

BIOSYNTHESIS

Synthesis of hemopexin and cysteine protease inhibitor is coordinately regulated by HSF–II and interferon–beta 2 in rat hepatoma cells. Baumann H, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1218–28

Limited effects of recombinant human and murine interleukin 1 and tumour necrosis factor on production of acute phase proteins by cultured rat hepatocytes. Koj A, et al. **Biochem Int** 1987 Mar;14(3):553–60

BLOOD

Measurement of serum alpha 1–antichymotrypsin by immunoturbidimetry. Calvin J, et al. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):206–9

Purification of a proteinase inhibitor from bovine serum with C1–inhibitor activity. Van Nostrand WE, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):167–75

Proteinase inhibitors from horse plasma and leucocytes: properties and biological functions. Dubin A, et al. **Biomed Biochim Acta** 1986;45(11–12):1391–6

Antiprotease capacity in acute pancreatitis. Goodman AJ, et al. **Br J Surg** 1986 Oct;73(10):796–8

Biochemical investigations after burning injury: complement system, protease–antiprotease balance and acute–phase reactants. Faymonville ME, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):26–33

Interaction between semi–alkaline proteinase and protease inhibitors of rabbit serum. Kobayashi S, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1151–6

Effect of smoking on functional activity of plasma alpha 1–protease inhibitor. Fera T, et al. **Chest** 1987 Mar; 91(3):346–50

Functional activities and nonenzymatic glycosylation of plasma proteinase inhibitors in diabetes. Hall P, et al. **Clin Chim Acta** 1986 Oct 15;160(1):55–62

Further studies of plasma protease inhibitors in the hedgehog, Erinaceus europaeus; collagenase, papain and plasmin inhibitors. de Wit CA, et al. **Comp Biochem Physiol [A]** 1987;86(1):1–5

Ozone effects on alpha–1–proteinase inhibitor in vivo: blood plasma inhibitory activity is unchanged. Johnson DA, et al. **Exp Lung Res** 1986;11(2):95–103

Rat plasma alpha 1–inhibitor3 binds to receptors for alpha 2–macroglobulin. Gliemann J, et al. **FEBS Lett** 1987 Aug 31;221(1):55–60

The interaction between some serine proteinases and horse leucocyte inhibitor. Dubin A, et al. **Folia Histochem Cytobiol** 1986;24(2):163–8

Target enzymes for plasma proteinase inhibitors. Travis J. **Folia Histochem Cytobiol** 1986;24(2):117–24 (21 ref.)

Effect of plasma protease inhibitors on tumor cell–induced platelet aggregation [letter] Pacchiarini L, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):269

Assay of kallikrein inhibitors and levels of acetone–activated kallikrein in plasma specimens from reactors to dextran or to contrast media. Johansen HT, et al. **Int J Tissue React** 1986;8(3):185–92

Concentration of fibronectin and granulocyte elastase in plasma of patients with systemic connective–tissue diseases. Schneider M, et al. **Int J Tissue React** 1987;9(4):355–9

Three high molecular weight protease inhibitors of rat plasma. Isolation, characterization, and acute phase changes. Lonberg–Holm K, et al. **J Biol Chem** 1987 Jan 5;262(1):438–45

Three high molecular weight protease inhibitors of rat plasma. Reactions with trypsin. Lonberg–Holm K, et al. **J Biol Chem** 1987 Apr 5;262(10):4844–53

Serum alpha–thiol protease inhibitor concentrations in health and disease. Webb JR, et al. **J Clin Pathol** 1987 Feb; 40(2):221–5

Granulocyte elastase–alpha 1–antiproteinase complex in cystic fibrosis: sensitive plasma assay for monitoring pulmonary infections. Hollsing AE, et al. **J Pediatr** 1987 Aug;111(2):206–11

Proteases and antiproteases related to the coagulation system in plasma and ascites—influence of dexamethasone. Schölmerich J, et al. **Klin Wochenschr** 1987 Jul 15; 65(14):639–42

Proteases and antiproteases related to the coagulation system in plasma and ascites—an approach to differentiate between malignant and cirrhotic ascites. Schölmerich J, et al. **Klin Wochenschr** 1987 Jul 15;65(14):634–8

Digestive enzymes and protease inhibitors in plasma from patients with acute pancreatitis. Dubick MA, et al. **Pancreas** 1987;2(2):187–94

Anti–proteases in endotoxemia. Traber DL. **Prog Clin Biol Res** 1987;236A:149–57

Serum protease inhibitors in acute viral hepatitis. Meliconi R, et al. **Ric Clin Lab** 1987 Jan–Mar;17(1):53–9

Pancreatic pseudocysts: a biochemical evaluation of proteases and protease inhibitors in plasma. Lasson A, et al. **Scand J Gastroenterol** 1987 Apr;22(3):355–61

Disseminated intravascular coagulation and antiprotease activity in acute human pancreatitis. Lasson A, et al. **Scand J Gastroenterol [Suppl]** 1986;126:35–9

[A case report of hereditary angioedema and studies on the serum components of complement, C1–inactivator and proteinase inhibitors during edema attack] Mikami A, et al. **Hokkaido Igaku Zasshi** 1987 May;62(3):497–500 (Eng. Abstr.) **(Jpn)**

[Usefulness of determining serum levels of selected antihydrolases in evaluating the activity of rheumatoid arthritis] Jonderko G, et al. **Pol Arch Med Wewn** 1986 Mar; 75(3):167–75 (Eng. Abstr.) **(Pol)**

[Function of the kallikrein–kinin system and of the blood antiproteinase activity in rats exposed to a weak low–frequency magnetic field] Kubyshkin AV. **Fiziol Zh** 1987 Mar–Apr;33(2):87–9 (Eng. Abstr.) **(Rus)**

[Effect of perinatal asphyxia on the activity of endogenous antiproteinase systems in newborn infants without clinical manifestations of hemorrhages and thromboses] Shabalova NP], et al. **Pediatriia** 1987;(4):82–3 **(Rus)**

[Proteinase inhibitors of the blood plasma in the early period of the development of acute radiation sickness in monkeys] Zherbin EA, et al. **Radiobiologiia** 1987 Mar–Apr; 27(2):250–3 (Eng. Abstr.) **(Rus)**

[Antiproteolytic potential of the blood serum in chronic nonspecific lung diseases] Kaminskaia GO, et al. **Sov Med** 1986;(10):77–81 **(Rus)**

[Elastolytic activity in eye tissues and serum antiproteases in corneal burns] Chesnokova NB, et al. **Vopr Med Khim** 1986 Jul–Aug;32(4):110–3 (Eng. Abstr.) **(Rus)**

[Activity of the prekallikrein–kallikrein system and characteristics of its regulation in various allergies] Nenasheva NM, et al. **Vopr Med Khim** 1986 Sep–Oct; 32(5):106–11 (Eng. Abstr.) **(Rus)**

[Diagnostic value of determining endogenous proteinase inhibitors in cancer patients] Shcherbak IG, et al. **Vopr Onkol** 1987;33(3):22–6 (Eng. Abstr.) **(Rus)**

[Blood serum proteinase inhibitors in joint diseases] Rudenko VG, et al. **Vrach Delo** 1986 Dec;(12):32–5 (Eng. Abstr.) **(Rus)**

[Inhibitors of proteolysis--protective proteins of the blood

(review of the literature)] Veremeenko KN. **Vrach Delo** 1987 May;(5):45–8 **(Rus)**

CEREBROSPINAL FLUID

Proteinase inhibitors in human cerebrospinal fluid. Demonstration of a previously unrecognised inhibitor. Hansen–Nord G, et al. **Ann Clin Biochem** 1986 Jan;23 (Pt 1):104–5

CHEMICAL SYNTHESIS

Propioxatins A and B, new enkephalinase B inhibitors. III. Total synthesis of propioxatin A. Inaoka Y, et al. **J Antibiot (Tokyo)** 1986 Oct;39(10):1382–5

Structure–activity study of 6-substituted 2-pyranones as inactivators of alpha-chymotrypsin. Boulanger WA, et al. **J Med Chem** 1986 Jul;29(7):1159–63

Inhibition of aspartic proteinases by peptides containing lysine and ornithine side-chain analogues of statine. Salituro FG, et al. **J Med Chem** 1987 Feb;30(2):286–95

Improved synthetic inactivators of plasmin. Ganu VS, et al. **Thromb Res** 1987 Jan 1;45(1):1–6

CLASSIFICATION

Nomenclature and classification of the proteins homologous with the cysteine–proteinase inhibitor chicken cystatin [letter] Barrett AJ, et al. **Biochem J** 1986 May 15;236(1):312

DEFICIENCY

Study of familial alpha–1–proteinase inhibitor deficiency including a rare proteinase inhibitor phenotype (IZ). I. Alpha–1–phenotyping and clinical investigations. Baur X, et al. **Respiration** 1987;51(3):188–95

GENETICS

Regulation of proteinase inhibitor genes in food plants. Brown WE, et al. **Adv Exp Med Biol** 1986;199:281–90

Genetic linkage between loci for a red cell alloantigen (U) and serum protease inhibitor (Pi) in the horse. Bowling AT. **Anim Genet** 1986;17(3):217–23

Linkage between the porcine genes encoding immunoglobulin heavy-chain allotypes and some serum alpha–protease inhibitors: a conserved linkage in pig, mouse and human. Juneja RK, et al. **Anim Genet** 1986;17(3):225–33

The serum protease inhibitor linkage group in Belgian pig breeds. van de Weghe A, et al. **Anim Genet** 1987;18(1):63–9

Repetitive region of calpastatin is a functional unit of the proteinase inhibitor. Maki M, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):300–8

Transcriptional regulation by thyroid hormone of an mRNA homologous to a protease inhibitor. Tecce MF, et al. **Biochemistry** 1986 Sep 23;25(19):5831–4

Endothelial plasminogen activator inhibitor (PAI): a new member of the Serpin gene family. Pannekoek H, et al. **EMBO J** 1986 Oct;5(10):2539–44

Molecular cloning and expression of cDNA for human antileukoprotease from cervix uterus. Heinzel R, et al. **Eur J Biochem** 1986 Oct 1;160(1):61–7

Identification and sequencing of cDNA clones for the rodent negative acute-phase protein alpha 1–inhibitor 3. Schweizer M, et al. **Eur J Biochem** 1987 Apr 15; 164(2):375–81

Alpha–1–proteinase inhibitor: a European overview. Robalo–Cordeiro AJ. **Eur J Respir Dis** 1987 May; 70(5):261–5 (41 ref.)

Molecular cloning and sequence analysis of cDNA coding for the precursor of the human cysteine proteinase inhibitor cystatin C. Abrahamson M, et al. **FEBS Lett** 1987 Jun 1; 216(2):229–33

Fatal liver disease associated with alpha 1–antitrypsin deficiency PiM1/PiMduarte. Crowley JJ, et al. **Gastroenterology** 1987 Aug;93(2):242–4

Ovoinhibitor introns specify functional domains as in the related and linked ovomucoid gene. Scott MJ, et al. **J Biol Chem** 1987 Apr 25;262(12):5899–907

Sequences of the genes and polypeptide precursors for two bovine protease inhibitors. Creighton TE, et al. **J Mol Biol** 1987 Mar 5;194(1):11–22

Positively darwinian molecules? [news] Brown AL. **Nature** 1987 Mar 5–11;326(6108):12–3

Accelerated evolution in the reactive centre regions of serine protease inhibitors. Hill RE, et al. **Nature** 1987 Mar 5–11; 326(6108):96–9

Isolation and sequence of a human gene encoding a potent inhibitor of leukocyte proteases. Stetler G, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7883–96

Molecular characterization and phylogenetic studies of a wound–inducible proteinase inhibitor I gene in Lycopersicon species. Lee JS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7277–81

Alpha–1–antitrypsin genetic polymorphism in South Africa. Hitzeroth HW, et al. **S Afr Med J** 1987 Jun 20;71(12):755–9

ISOLATION & PURIFICATION

Trypsin/chymotrypsin inhibitors from millets. Pattabiraman TN. **Adv Exp Med Biol** 1986;199:439–48

Protease inhibitors of the marama bean. Starcher B, et al. **Adv Exp Med Biol** 1986;199:429–38

Purification and characterization of human bronchial protease inhibitor. Boudier C, et al. **Arch Biochem Biophys** 1987 Mar;253(2):439–45

Identification of a long form of cystatin from human saliva by rapid microbore HPLC mapping. Hawke DH, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1248–53

Evidence for a defective thiol protease inhibitor in skeletal muscle of mice with hereditary muscular dystrophy. Gopalan P, et al. **Biochem Cell Biol** 1986 Oct;64(10):1010–9

A simple two–step purification of protease nexin. Farrell DH, et al. **Biochem J** 1986 Aug 1;237(3):907–12

Calcium–dependent proteinases and specific inhibitors: calpain and calpastatin. Murachi T. **Biochem Soc Symp** 1984;49:149–67 (69 ref.)

Purification and characterization of a serine proteinase inhibitor from human articular cartilage. Burkhardt H, et al. **Biochim Biophys Acta** 1987 May 19;924(2):312–8

Purification and some properties of bound cysteine proteinase inhibitor from cornified cells of newborn rat epidermis. Toku S, et al. **Biochim Biophys Acta** 1987 Jul 16; 925(1):48–56

A specific protease inhibitor from Streptomyces. Yano T, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3936–9

Studies on thiol protease inhibitor isolated from human breast cancer tissue. Yamane M. **Hiroshima J Med Sci** 1987 Mar; 36(1):39–52

Natural plant enzyme inhibitors: isolation and properties of a trypsin/chymotrypsin inhibitor from kidney bean (Phaseolus vulgaris). Jacob RT, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):105–9

Endogenous protein inhibitor of mitochondrial c–AMP phosphodiesterase in tumour bearing rats. Sankaran K. **Indian J Biochem Biophys** 1986 Apr;23(2):66–9

The reactive sites of proteinase inhibitors from Erythrina seeds. Joubert FJ, et al. **Int J Biochem** 1987;19(7):601–6

Isolation of tri–antennary enriched and tri–antennary depleted alpha–1–protease inhibitor. Karic L, et al. **Int J Pept Protein Res** 1987 Jun;29(6):722–7

Propioxatins A and B, new enkephalinase B inhibitors. I. Taxonomy, fermentation, isolation and biological properties. Inaoka Y, et al. **J Antibiot (Tokyo)** 1986 Oct; 39(10):1368–77

Structure of a sugar chain of a protease inhibitor isolated from barbados pride (Caesalpinia pulcherrima Sw.) seeds. Hase S, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):1–10

Combined use of trypsin–agarose affinity chromatography and reversed–phase high–performance liquid chromatography for the purification of single–chain protease inhibitor from corn seeds. Lei MG, et al. **J Chromatogr** 1986 Aug 29;363(2):315–21

Endogenous inhibitor of nonlysosomal high molecular weight protease and calcium–dependent protease [published erratum appears in Proc Natl Acad Sci USA 1986 Dec;83(24):9463] Murakami K, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7588–92

Venom resistance in the hedgehog, Erinaceus europaeus: purification and identification of macroglobulin inhibitors as plasma antihemorrhagic factors. de Wit CA, et al. **Toxicon** 1987;25(3):315–23

[Endogenous inhibitor of cysteine proteases from the human kidney] Kirpichenok LN, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):10–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein inhibitors of serine proteinases--mechanism and classification. Laskowski M Jr. **Adv Exp Med Biol** 1986; 199:1–17

Inflammatory mediators and modulators released in organ culture from rabbit skin lesions produced in vivo by sulfur mustard. III. Electrophoretic protein fractions, trypsin–inhibitory capacity, alpha 1–proteinase inhibitor, and alpha 1– and alpha 2–macroglobulin proteinase inhibitors of culture fluids and serum. Harada S, et al. **Am J Pathol** 1987 Jan;126(1):148–63

Acute effect of nitrogen dioxide exposure on the functional activity of alpha–1–protease inhibitor in bronchoalveolar lavage fluid of normal subjects. Mohsenin V, et al. **Am Rev Respir Dis** 1987 Sep;136(3):646–50

Decreased level of calpain inhibitor activity in kidney from Milan hypertensive rats. Pontremoli S, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1287–94

Inhibition of the cathepsin B like proteinase by a low molecular weight cysteine–proteinase inhibitor from ascitic fluid and plasma alpha 2 macroglobulin. Pagano M, et al. **Biochem Cell Biol** 1986 Dec;64(12):1218–25

Protease inhibitor activity in human skeletal muscle. Kidron M, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):136–40

Methyltrypsin: a novel probe of proteinase–inhibitor interactions. Magnotti RA Jr. **Biochim Biophys Acta** 1987 Sep 2;915(1):46–52

Intracellular protein catabolism VI. Proceedings of the 6th Symposium on Intracellular Protein Catabolism. April 21–25, 1986. Wernigerode, DDR. **Biomed Biochim Acta** 1986;45(11–12):1363–663

Peptidyl fluoromethyl ketones as thiol protease inhibitors. Shaw E, et al. **Biomed Biochim Acta** 1986; 45(11–12):1397–403

Human cysteine proteinases and their protein inhibitors stefins, cystatins and kininogens. Turk V, et al. **Biomed Biochim Acta** 1986;45(11–12):1375–84

Antiprotease activity in acute pancreatitis [letter] Donnelly PK. **Br J Surg** 1987 Mar;74(3):230–1

Identification of a protease inhibitor produced by astrocytes that is structurally and functionally homologous to human protease nexin–I. Rosenblatt DE, et al. **Brain Res** 1987 Jul 7;415(1):40–8

Functional and immunoreactive alpha 1 proteinase inhibitor in bronchoalveolar lavages: methodological studies. el Yamani J, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug; 22(4):359–63

Immunohistochemical demonstration of alpha–1–proteinase inhibitor in brain tumors. Zuccarello M, et al. **Cancer** 1987 Aug 15;60(4):804–9

Effect of acute ozone exposure on the proteinase–antiproteinase balance in the rat lung. Pickrell JA, et al. **Exp Mol Pathol** 1987 Apr;46(2):168–79

Effects of denervation on calpain and calpastatin in hamster skeletal muscles. Hussain H, et al. **Exp Neurol** 1987 Sep; 97(3):635–43

Identification of the probable inhibitory reactive sites of the cysteine proteinase inhibitors human cystatin C and chicken cystatin. Abrahamson M, et al. **J Biol Chem** 1987 Jul 15; 262(20):9688–94

Cathepsin L inactivates alpha 1–proteinase inhibitor by cleavage in the reactive site region. Johnson DA, et al. **J Biol Chem** 1986 Nov 5;261(31):14748–51

Inactivation of human plasma serine proteinase inhibitors (serpins) by limited proteolysis of the reactive site loop with snake venom and bacterial metalloproteinases. Kress LF. **J Cell Biochem** 1986;32(1):51–8

Enhancement of testicular cysteine proteinase inhibitor level in vitamin E–deficient rats. Minakata K, et al. **J Nutr** 1987 Aug;117(8):1416–21

A monoclonal antibody to a zona pellucida–proteinase inhibitor binding component on murine spermatozoa. Richardson R, et al. **J Reprod Immunol** 1987 Jun; 11(2):101–16

The biochemical pathogenesis of chronic obstructive pulmonary diseases: protease–antiprotease imbalance in emphysema and diseases of the airways. Kuhn C 3d. **J Thorac Imaging** 1986 Mar;1(2):1–6 (64 ref.)

Pattern of changes in certain parameters of protease–antiprotease equilibrium during acute pancreatitis in human. Rydzewska G, et al. **Mater Med Pol** 1986 Jul–Sep;18(3):128–31

Protease–antiprotease imbalance, hemodynamic and regional blood flow changes in experimental pancreatitis. Hjelmqvist B, et al. **Scand J Gastroenterol [Suppl]** 1986; 126:8–11

Elastase inhibitors of sputum sol phase: variability, relationship to neutrophil elastase inhibition, and effect of corticosteroid treatment. Stockley RA, et al. **Thorax** 1986 Jun;41(6):442–7

In vitro effect of a mucolytic thiol agent on the activity of polymorphonuclear leucocyte elastase and antileucoprotease. Stolk J, et al. **Thorax** 1986 Nov; 41(11):840–5

[Experimental observation on protease–antiprotease balance in rats exposed to hyperoxia] Mao J. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):293–5, 319 (Eng. Abstr.) **(Chi)**

[Dynamics of proteolytic and antiproteolytic activity in corneal burns] Chesnokova NB, et al. **Oftalmol Zh** 1987; (1):52–5 (Eng. Abstr.) **(Rus)**

[Activity of proteolytic enzymes and their inhibitors in the sputum of patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Probl Tuberk** 1987;(2):48–54 (Eng. Abstr.) **(Rus)**

[Activity of proteolytic enzymes and their inhibitors in the pulmonary tissue of guinea pigs developing experimental tuberculosis] Zhukova NL, et al. **Probl Tuberk** 1986; (9):54–8 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the activity of proteolytic enzymes and their inhibitors in the lung tissue of guinea pigs during development of generalized and destructive tuberculosis] Zhukova NL, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):80–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Septic shock in the rat: activation of plasma proteolytic systems and effects of a kallikrein inhibitor/bradykinin antagonist (S–2441). Högström H, et al. **Acta Chir Scand** 1987 Mar;153(3):161–4

Photoreactive, active derivatives of trypsin and chymotrypsin inhibitors from soybeans and chickpeas. Birk Y, et al. **Adv Exp Med Biol** 1986;199:469–81

Nutritional and metabolic response to plant inhibitors of digestive enzymes. Gallaher D, et al. **Adv Exp Med Biol** 1986;199:167–84

The effect of intracellular proteinases on transformation of human lymphocytes. Korbelik M, et al. **Adv Exp Med Biol** 1986;198 Pt B:113–20

Protease inhibitors: their role as modifiers of carcinogenic processes. Troll W, et al. **Adv Exp Med Biol** 1986; 199:153–65

Inhibition of human proteinases by grain legumes. Weder JK. **Adv Exp Med Biol** 1986;199:239–79

A variant of type II von Willebrand disease with an abnormal triplet structure and discordant effects of protease inhibitors on plasma and platelet von Willebrand factor structure. Gralnick HR, et al. **Am J Hematol** 1987 Mar;24(3):259–66

Heterogeneity in late–onset metachromatic leukodystrophy. Effect of inhibitors of cysteine proteinases. von Figura K, et al. **Am J Hum Genet** 1986 Sep;39(3):371–82

Mechanism of polyamine inhibition of a leaf protease. Balestreri E, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):460–3

Effects of metalloendoprotease inhibitors on insulin binding, internalization and processing in adipocytes. Jochen A, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):205–12

Autodegradation of lysosomal cysteine proteinases. Kominami E, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):749–56

Proteoglycan degradation by a chondrocyte metalloprotease. Effects of synthetic protease inhibitors. Caputo CB, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):995–1002

Compounds that inhibit chymotrypsin and cell replication. Goz B, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3587–91

Role of protease inhibition in cellular migration and neuritic growth. Monard D. **Biochem Pharmacol** 1987 May 1; 36(9):1389–92

Iron–containing metallocenes as active site directed inhibitors of the proteinase that cleaves the NH2–terminal propeptides from type I procollagen. Dombrowski KE, et al. **Biochemistry** 1986 Jul 29;25(15):4302–9

Influence of proteinase inhibitors and substrates on 2,3,7,8–tetrachlorodibenzo–p–dioxin (TCDD)–binding capacity of the rat hepatic Ah receptor. Kester JE, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):109–16

Interaction of Eglin c with polymorphonuclear cells: evidence for binding to the cell surface. Braun NJ, et al. **Biol Chem Hoppe Seyler** 1987 Feb;368(2):155–61

Inhibition of mast cell chymase by eglin c and antileukoprotease (HUSI–I). Indications for potential biological functions of these inhibitors. Fink E, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):567–71

The heterogeneity of type IIA von Willebrand's disease: studies with protease inhibitors. Batlle J, et al. **Blood** 1986 Dec;68(6):1207–12

Elastase secreted by activated polymorphonuclear leucocytes causes chondrocyte damage and matrix degradation in intact articular cartilage: escape from inactivation by alpha–1–proteinase inhibitor. Schalkwijk J, et al. **Br J Exp Pathol** 1987 Feb;68(1):81–8

A tripeptide protease inhibitor attenuates conditioned avoidance behavior. Davis JL, et al. **Brain Res** 1987 Mar 17;406(1–2):10–6

Prevention of degradation of endogenous enkephalins produces inhibition of nociceptive neurones in rat spinal cord. Dickenson AH, et al. **Brain Res** 1987 Apr 7; 408(1–2):185–91

Effect of proteases and their inhibitors on neurite outgrowth from neonatal mouse sensory ganglia in culture. Hawkins RL, et al. **Brain Res** 1986 Nov 19;398(1):63–70

Inhibition of H–ras oncogene transformation of NIH3T3 cells by protease inhibitors. Garte SJ, et al. **Cancer Res** 1987 Jun 15;47(12):3159–62

Inhibition of human DNA polymerase alpha by alpha 1–antichymotrypsin. Tsuda M, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6139–42

Chymotrypsin–specific protease inhibitors decrease H2O2 formation by activated human polymorphonuclear leukocytes. Frenkel K, et al. **Carcinogenesis** 1987 Sep; 8(9):1207–12

Protection from tumor necrosis factor cytotoxicity by protease inhibitors. Ruggiero V, et al. **Cell Immunol** 1987 Jul;107(2):317–25

Effect of protease inhibitors on the survival of in vitro aged erythrocytes. Soszyński M, et al. **Cell Mol Biol** 1987; 33(3):307–11

Stimulation of pancreatic secretory process in the rat by low–molecular weight proteinase inhibitor. II. Regulation of total protein and individual enzyme biosynthesis. Rausch U, et al. **Cell Tissue Res** 1987 Jul;249(1):63–7

Stimulation of pancreatic secretory process in the rat by low–molecular weight proteinase inhibitor. I. Dose–response study on enzyme content and secretion, cholecystokinin release and pancreatic fine structure. Rausch U, et al. **Cell Tissue Res** 1987 Jan;247(1):187–93

Natural proteinase inhibitors: blood coagulation inhibition and evolutionary relationships. Bikfalvi A, et al. **Comp Biochem Physiol [B]** 1987;87(3):435–41 (82 ref.)

Effect of peptidase inhibitors on [Met5]enkephalin–Arg6–Phe7 and [Met5]enkephalin–Arg6–Gly7–Leu8–induced antinociception. Mellstrom B, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):185–90

A brief review of the biochemistry and pharmacology of Eglin c, an elastase inhibitor. Braun NJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:541–7 (25 ref.)

Leukocyte protease activities in myotonic dystrophy: studies on effects of protease inhibitors. Goto I, et al. **Eur Neurol** 1987;26(2):126–8

Enkephalinase inhibitors potentiate substance P–induced secretion of 35SO4–macromolecules from ferret trachea. Borson DB, et al. **Exp Lung Res** 1987;12(1):21–36

Effect of protease inhibitors on skeletal muscle lysosomal enzyme activity and resting membrane potential. Boegman RJ, et al. **Exp Neurol** 1986 Dec;94(3):627–36

Plasmodium falciparum: protease inhibitors and inhibition of erythrocyte invasion. Dluzewski AR, et al. **Exp Parasitol** 1986 Dec;62(3):416–22

Inhibition of enkephalinase activity attenuates naloxone–precipitated withdrawal symptoms. Haffmans J, et al. **Gen Pharmacol** 1987;18(1):103–5

Anti–carcinogenic effects of a serine protease inhibitor (FOY–305) through the suppression of neutral serine protease activity during chemical hepatocarcinogenesis in rats. Yamauchi Y, et al. **Hiroshima J Med Sci** 1987 Mar; 36(1):81–7

Modulation of guinea pig peritoneal macrophage migration in vitro: effects of protease inhibitors. Vilić IM, et al. **Immunol Lett** 1987 Apr;14(4):271–6

Inhibitory effects of FUT–175, a new synthetic protease inhibitor, on intravascular hemolysis by human serum in mice. Ino Y, et al. **Int J Immunopharmacol** 1987;9(5):533–7

Inhibition of rat endotoxin–induced lethality by BN 52021 and BN 52063, compounds with PAF–acether antagonistic effect and protease–inhibitory activity. Etienne A, et al. **Int J Tissue React** 1987;9(1):19–26

alpha 1–Antichymotrypsin in lung secretions is not an effective proteinase inhibitor. Berman G, et al. **J Biol Chem** 1986 Oct 25;261(30):14095–9

Transient kinetics of heparin–catalyzed protease inactivation by antithrombin III. The reaction step limiting heparin turnover in thrombin neutralization. Olson ST, et al. **J Biol Chem** 1986 Oct 5;261(28):13151–9

Platelet–activating factor stimulation of rabbit platelets is blocked by serine protease inhibitor (chymotryptic protease inhibitor). Sugatani J, et al. **J Biol Chem** 1987 Apr 25; 262(12):5740–7

Viral therapy: prospects for protease inhibitors. Korant BD, et al. **J Cell Biochem** 1986;32(2):91–5

Chymotrypsin substrate analogues inhibit endocytosis of insulin and insulin receptors in adipocytes. Jochen AL, et al. **J Cell Biol** 1986 Nov;103(5):1807–16

Determination of functional activity of alpha 1–protease inhibitor and alpha 2–macroglobulin in human plasma using elastase. Gaillard MC, et al. **J Clin Chem Clin Biochem** 1987 Mar;25(3):167–72

Interleukin inhibition by a parasite proteinase inhibitor, taeniaestatin. Leid RW, et al. **J Immunol** 1986 Oct 15; 137(8):2700–2

Effects of peptidase inhibitors on the [Met5]–enkephalin hydrolysis in ileal and striatal preparations of guinea–pig: almost complete protection of degradation by the combination of amastatin, captopril and thiorphan. Hiranuma T, et al. **Jpn J Pharmacol** 1986 Aug;41(4):437–46

The effect of trans–4–guanidinomethylcyclohexanecarboxylic acid p–tert–butylphenyl ester hydrochloride (NCO–650) on Ascaris suum antigen–induced bronchoconstriction in dogs. Misawa M, et al. **Jpn J Pharmacol** 1987 Jan;43(1):53–60

Inhibitory effects of a novel synthetic protease inhibitor, FUT–175, on the paw edema in rats and zymosan–induced complement activation in vitro. Sato T, et al. **Jpn J Pharmacol** 1986 Dec;42(4):587–9

Inhibition of tumor invasion by tissue–derived proteinase inhibitors. Kuettner KE, et al. **Monogr Pathol** 1986; (27):171–82

Degradation of myelin basic protein in myelin by protease in cerebrospinal fluid and effects of protease inhibitors. Inuzuka T, et al. **Neurochem Res** 1986 Oct;11(10):1407–17

Antinociceptive action of cholecystokinin octapeptide (CCK 8) and related peptides in rats and mice: effects of naloxone and peptidase inhibitors. Hill RG, et al. **Neuropharmacology** 1987 Apr;26(4):289–300

Phelorphan, an inhibitor of enzymes involved in the biodegradation of enkephalins, affected the withdrawal symptoms in chronic morphine–dependent rats. Haffmans J, et al. **Neuroscience** 1987 Jul;22(1):233–6

Endogenous CCK release and pancreatic growth in rats after feeding a proteinase inhibitor (camostate). Göke B, et al. **Pancreas** 1986;1(6):509–15

Effect of synthetic protease inhibitor camostate on pancreatic exocrine function in rats. Otsuki M, et al. **Pancreas** 1987; 2(2):164–9

A serine protease activity in C3H/10T1/2 cells that is inhibited by anticarcinogenic protease inhibitors. Billings PC, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4801–5

Induction of DNA synthesis in isolated nuclei by cytoplasmic factors: inhibition by protease inhibitors. Wong RL, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):241–5

Cellular (thrombocytes, granulocytes) effects of proteinase inhibitors—gabexylate, gabexate mesilate (FOY) and aprotinin. Redl H, et al. **Resuscitation** 1986 Sep; 14(1–2):81–90

Determination of elastase inhibitory activity of alpha 1–proteinase inhibitor and bronchial antileukoprotease: different results using insoluble elastin or synthetic low molecular weight substrates. Kramps JA, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):405–10

Resynthesis by factor XIIa of the trypsin–cleaved peptide bond in the corn protease inhibitor. Lei MG, et al. **Thromb Res** 1987 Jan 1;45(1):87–94

[Neuropeptidases responsible for the inactivation of enkephalins and the pharmacology of their inhibitors] Schwartz JC, et al. **J Pharmacol** 1986;17 Suppl 2:104–22 (93 ref.) **(Fre)**

[Comparative studies of nafamostat mesilate and various serine protease inhibitors in vitro] Ino Y, et al. **Nippon Yakurigaku Zasshi** 1986 Dec;88(6):449–55 (Eng. Abstr.) **(Jpn)**

[Antiviral activity of proteinase inhibitors in cultured cells infected with alpha–viruses] Zhirnov OP, et al. **Mol Gen Mikrobiol Virusol** 1985 Dec;(12):30–6 (Eng. Abstr.) **(Rus)**

[Effect pf protease inhibitors on DNA degradation in gamma–irradiated rat thymocytes] Gaziev AI, et al. **Radiobiologiia** 1987 May–Jun;27(3):354–7 (Eng. Abstr.) **(Rus)**

[Suppression of rotavirus SA–11 reproduction by protease inhibitors in cell culture] Bukrinskaia AG, et al. **Vopr Virusol** 1987 Jan–Feb;32(1):71–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Proteases, their inhibitors and the extracellular matrix: factors in nerve–muscle development and maintenance. Festoff BW. **Adv Exp Med Biol** 1987;209:25–39

Protease inhibitor controls prophenoloxidase activation in Manduca sexta. Saul SJ, et al. **FEBS Lett** 1986 Nov 10; 208(1):113–6

Pathobiochemical significance of granulocyte elastase complexed with proteinase inhibitors: effect on glycosaminoglycan metabolism in cultured synovial cells. Kleesiek K, et al. **J Clin Chem Clin Biochem** 1987 Mar; 25(3):151–60

Protease inhibitors of human plasma. Biochemistry and pathophysiology. **J Med** 1985;16(1–3):1–416

[Mechanism of regulation of blood coagulation] Hashimoto S. **Rinsho Byori** 1987 May;35(5):477–90 (25 ref.) **(Jpn)**

THERAPEUTIC USE

Amelioration of immune complex–mediated glomerulonephritis by synthetic protease inhibitors. Jennette JC, et al. **Am J Pathol** 1987 Jun;127(3):499–506

Preventive therapy of emphysema: lessons from the elastase model [letter] Ganz T. **Am Rev Respir Dis** 1987 Apr; 135(4):984

Application of a prostacyclin analogue (PG) and protease inhibitor (FUT) as anticoagulants with an LVAD system. Takahama T, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):253–7

Comparison of peptide aldehydes with alpha 1–antitrypsin as elastase inhibitors for use in emphysema. Roberts NA, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):896–902

Suppression of neurofilament degradation by protease inhibitors in experimental spinal cord injury. Iwasaki Y, et al. **Brain Res** 1987 Mar 17;406(1–2):99–104

Lathyrism: mini–review and a comment on the lack of effect of protease inhibitors on osteolathyrism. Yeager VL, et al. **J Exp Pathol** 1985 Spring;2(1):1–11

Effect of cyclosporin A, silica quartz dust, and protease inhibitors on virus–induced demyelination. Rodriguez M, et al. **J Neuroimmunol** 1986 Dec;13(2):159–74

Gabexate mesilate (FOY) protects against ceruletide–induced acute pancreatitis in the rat. Wisner JR Jr, et al. **Pancreas** 1987;2(2):181–6

The proteinases in shock. Schlag G, et al. **Resuscitation** 1986 Sep;14(1–2):3–21

Effect of a proteolytic enzyme inhibitor on the cardiopulmonary response to endotoxin. Traber DL, et al. **Resuscitation** 1986 Sep;14(1–2):91–104

[Therapy of postoperative hypoxia following mediastinal lymph node excision of esophageal cancer] Kabuto T, et al. **Nippon Rinsho** 1987 Feb;45(2):389–94 **(Jpn)**

[Potential clinical use of an acid–stable proteinase inhibitor from human urine] Ogloblina OG, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):40–4 (Eng. Abstr.) **(Rus)**

[Use of proteolysis inhibitors for treating parainfluenza infections in an experiment and in the clinic] Bukrinskaia AG, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):400–4 **(Rus)**

URINE

[Clinical importance of determining the activity of an acid–stable proteinase inhibitor in the urine of arterial hypertension patients] Parfenkova GA, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):44–6 (Eng. Abstr.) **(Rus)**

PROTEASES see PEPTIDE HYDROLASES

PROTECTIVE CLOTHING

Testing of gloves for permeability to UV–curable acrylate coatings. Huggins R, et al. **Am Ind Hyg Assoc J** 1987 Jul; 48(7):656–9

Permeation of protective clothing materials: comparison of liquid contact, liquid splashes and vapors on breakthrough times. Man VL, et al. **Am Ind Hyg Assoc J** 1987 Jun; 48(6):551–5

Anhydrous hydrofluoric acid. Mansdorf SZ. **Am Ind Hyg Assoc J** 1987 Jul;48(7):A452

Heat strain and heat stress for workers wearing protective suits at a hazardous waste site. Pauli JM, et al. **Am Ind Hyg Assoc J** 1987 May;48(5):458–63

Permeation of protective clothing materials by methylene chloride and perchloroethylene. Vahdat N. **Am Ind Hyg Assoc J** 1987 Jul;48(7):646–51

Reduced work tolerance associated with wearing protective clothing and respirators. White MK, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):304–10

Permeability of latex and polyvinyl chloride gloves to fluorouracil and methotrexate. Stoikes ME, et al. **Am J Hosp Pharm** 1987 Jun;44(6):1341–6

Protection against "green symptoms" from tobacco in Indian harvesters: a preliminary intervention study. Ghosh SK, et al. **Arch Environ Health** 1987 Mar–Apr;42(2):121–4

The thermal performance of partial coverage wet suits. Allan JR, et al. **Aviat Space Environ Med** 1986 Nov; 57(11):1056–60

Effect of heat and chemical protective clothing on cognitive performance. Fine BJ, et al. **Aviat Space Environ Med** 1987 Feb;58(2):149–54

Effectiveness of an air-cooled vest using selected air temperature and humidity combinations. Pimental NA, et al. **Aviat Space Environ Med** 1987 Feb;58(2):119–24

Immersion hypothermia: comparative protection of anti-exposure garments in calm versus rough seas. Steiman AM, et al. **Aviat Space Environ Med** 1987 Jun; 58(6):550–8

The lead apron: room for improvement? Boothroyd AE, et al. **Br J Radiol** 1987 Feb;60(710):203–4

Environmental support for geriatric incontinence. Toilets, toilet supplements, and external equipment. Brink CA, et al. **Clin Geriatr Med** 1986 Nov;2(4):829–40 (54 ref.)

Protection against epoxy resins with glove materials. Blanken R, et al. **Contact Dermatitis** 1987 Jan;16(1):46–7

Occupational dermatitis to dihydroxydiphenyl and diphenylthiourea in neoprene gloves. Masmoudi ML, et al. **Contact Dermatitis** 1987 May;16(5):290–1

Sweat evaporation and thermal comfort wearing helicopter passenger immersion suits. Light IM, et al. **Ergonomics** 1987 May;30(5):793–803

Skier's thumb—a method of prevention. Fairclough JA, et al. **Injury** 1986 May;17(3):203–4

Occupational dermatitis associated with garments. Redmond SF, et al. **J Occup Med** 1987 Mar;29(3):243–4

Garments for heat stress [letter] Sherman SJ. **J Occup Med** 1987 Apr;29(4):294, 300

Cold injury complicating trauma in the subfreezing environment. Andrews RP. **Milit Med** 1987 Jan;152(1):42–4

Medical anti-shock trousers (MAST): a practical device for easy application [letter] Eggink WF, et al. **Neth J Surg** 1986 Dec;38(6):190–1

Protection when the mercury plunges. Heyl F. **Occup Health Saf** 1986 Dec;55(12):44–8

Lack of statistical power [letter] Pascoe JM. **Pediatrics** 1987 Feb;79(2):313–4

The systematic choice of material in personal protection equipment for organic solvents. Hansen CM. **Prog Clin Biol Res** 1986;220:297–302

Personal protection when handling solvents. Jaakkola J. **Prog Clin Biol Res** 1986;220:303–15

[A case treated with broncho-cutaneous stoma for postoperative bronchial stump fistula] Saoyama N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):2002–5 (Eng. Abstr.) **(Jpn)**

[Thyroid protector for angiographers] Suto Y, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1169–71 **(Jpn)**

[Physiologic-hygienic evaluation of winter footwear with electric heating elements (experimental study)] Afanas'eva RF. **Gig Tr Prof Zabol** 1987 Mar;(3):46–9 (Eng. Abstr.) **(Rus)**

[Occupational dermatoses from exposure to rubber and plastic gloves] Kanerva L, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):11–3 (Eng. Abstr.) **(Rus)**

[Footwear for protection from the cold] Khassi Iu. **Gig Tr Prof Zabol** 1987 Mar;(3):43–6 (Eng. Abstr.) **(Rus)**

[Medical aspects of the use of body armor in foreign armies] Ozeretskovskii LB, et al. **Voen Med Zh** 1986 Oct;(10):76–8 **(Rus)**

STANDARDS

Methyl isocyanate liquid and vapor permeation through selected respirator diaphragms and chemical protective clothing. Berardinelli SP, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):324–9

Skin protection, Viton, and solubility parameters. Perkins JL, et al. **Am Ind Hyg Assoc J** 1986 Dec;47(12):803–8

Development of luminescence procedures to evaluate permeation of multi-ring polyaromatic compounds through protective materials. Vo-Dinh T, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):400–5

Cover gowns. Researching their effectiveness. Mailhot CB, et al. **AORN J** 1987 Sep;46(3):482–90

Chemically resistant glove use helps prevent skin contamination. Mansdorf SZ. **Occup Health Saf** 1987 Feb; 56(2):79–83

Safety shoe testing standards key to protection and durability. O'Brien J. **Occup Health Saf** 1987 Jun;56(6):52, 55

Performance certification of clothing connected to concern for protection. Wilcher FW Jr. **Occup Health Saf** 1987 Jun; 56(6):39–40, 44

[Data on establishing the maximum permissible concentration of ammonia in the gaseous medium of insulating materials for individual protection] Sedov AV, et al. **Gig Sanit** 1986 Dec;(12):86–7 **(Rus)**

PROTECTIVE DEVICES

Motorcyclist fatalities and the repeal of mandatory helmet wearing laws. Chenier TC, et al. **Accid Anal Prev** 1987 Apr;19(2):133–9

The prevention of injury from motorcycle use: epidemiologic success, legislative failure. Weisbuch JB. **Accid Anal Prev** 1987 Feb;19(1):21–8

Child safety seats [letter] Proehl JA, et al. **Am Fam Physician** 1987 Jan;35(1):30

Chemical cartridge respirator performance: 1,3-butadiene. Ackley MW. **Am Ind Hyg Assoc J** 1987 May;48(5):447–53

The effect of temperature and humidity levels in a protective mask on user acceptability during exercise. Nielsen R, et al. **Am Ind Hyg Assoc J** 1987 Jul;48(7):639–45

Evaluation of air-purifying respirators for protection against toluene diisocyanate vapors [letter] Reynolds JA. **Am Ind Hyg Assoc J** 1986 Nov;47(11):A698

Group mean hearing threshold changes in a noise-exposed industrial population using personal hearing protectors. Savell JF, et al. **Am Ind Hyg Assoc J** 1987 Jan;48(1):23–7

Reduced work tolerance associated with wearing protective clothing and respirators. White MK, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):304–10

Respiratory syncytial virus (RSV) infection rate in personnel caring for children with RSV infections. Routine isolation procedure vs routine procedure supplemented by use of masks and goggles. Agah R, et al. **Am J Dis Child** 1987 Jun;141(6):695–7

Vehicular transport safety for the child with disabilities. Shaw G. **Am J Occup Ther** 1987 Jan;41(1):35–42

The spectra, classification, and rationale of ultraviolet-protective intraocular lenses. Mainster MA. **Am J Ophthalmol** 1986 Dec 15;102(6):727–32

A visual warning device for improved safety [letter] Williams L, et al. **Anesth Analg** 1986 Dec;65(12):1364

Elastic foamed polymer earplug as a stethoscope earpiece [letter] Yamashita M. **Anesthesiology** 1987 Mar;66(3):447

Eye injury during "war games" despite the use of goggles. Case report. Martin PL, et al. **Arch Ophthalmol** 1987 Mar; 105(3):321–2

Bilateral total occlusion during the critical period of visual development. Case report. Wright KW, et al. **Arch Ophthalmol** 1987 Mar;105(3):321

Eye protectors for squash players. Clemett RS, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):151–6

Scott Emergency Escape Breathing Device evaluation for use by aircraft cabin crew and passengers. Martin NA, et al. **Aviat Space Environ Med** 1987 Aug;58(8):747–53

Control of auditory hallucinations through occlusion of monaural auditory input. Birchwood M. **Br J Psychiatry** 1986 Jul;149:104–7

Unilateral auditory occlusions and auditory hallucinations [letter] Levick SE, et al. **Br J Psychiatry** 1986 Jun; 148:747–8

Light-curing units and protective filters. Cullen AP, et al. **Can Dent Assoc J** 1986 Nov;52(11):939–41

The potential damaging effects of light on the eye (Part II). Jordan DR. **Can J Ophthalmol** 1986 Dec;21(7):266–8

Hospitals' response to the buckle-up baby legislation in Ontario. Lawee D, et al. **Can Med Assoc J** 1986 Nov 15; 135(10):1131–6

Environmental support for geriatric incontinence. Toilets, toilet supplements, and external equipment. Brink CA, et al. **Clin Geriatr Med** 1986 Nov;2(4):829–40 (54 ref.)

Nickel allergy and wrist strap to dissipate static electricity. Widström L, et al. **Contact Dermatitis** 1986 Nov; 15(5):299–301

An evaluation of knife handle guarding. Cochran DJ, et al. **Hum Factors** 1986 Jun;28(3):295–301

The effect of head restraints and seat belts on the incidence of neck injury in car accidents. Olney DB, et al. **Injury** 1986 Nov;17(6):365–7

Should pedal cyclists wear helmets? A comparison of head injuries sustained by pedal cyclists and motorcyclists in road traffic accidents. Waters EA. **Injury** 1986 Nov; 17(6):372–5

The head-pad in art and medicine: a forgotten nasal protector. Pirsig W. **Int J Pediatr Otorhinolaryngol** 1987 Feb;12(3):283–90

Measuring helmet sound attenuation characteristics using an acoustic manikin. Ivey ES, et al. **J Acoust Soc Am** 1987 Feb;81(2):370–5

Measurement of the attenuation characteristics of nonlinear hearing protective devices using the auditory brain stem response. Wilde GL, et al. **J Acoust Soc Am** 1987 Mar; 81(3):730–3

Stability of safety glasses during sterilization and disinfection. Gleason MJ, et al. **J Am Dent Assoc** 1987 Jul;115(1):60–2

Use of barrier drape [letter] Smith RW. **J Am Dent Assoc** 1987 Apr;114(4):442

Functional analysis and treatment of severe pica. Mace FC, et al. **J Appl Behav Anal** 1986 Winter;19(4):411–6

Treatment of severe self-injurious behavior by the mentally retarded using the bubble helmet and differential reinforcement procedures. Neufeld A, et al. **J Behav Ther Exp Psychiatry** 1987 Jun;18(2):127–36

Analysis of opening shock of a chest mounted reserve parachute. Khader GA, et al. **J Biomech Eng** 1987 May; 109(2):121–5

Acute compartment syndrome caused by a malfunctioning pneumatic-compression boot. A case report. Werbel GB, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1445–6

Use of scleral eye shields for periorbital laser surgery. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb; 13(2):156–8

Accidental deaths in the aged by protective devices. Weakley-Jones B, et al. **J Ky Med Assoc** 1986 Aug; 84(8):397–8

Ear protection against water-borne infection: an objective evaluation. Laitakari K, et al. **J Laryngol Otol** 1986 Dec; 100(12):1337–40

Screening prospective workers for the ability to use respirators. Hodous TK. **J Occup Med** 1986 Oct; 28(10):1074–80

The effect of wearing time on hearing protector attenuation. Abel SM, et al. **J Otolaryngol** 1986 Oct;15(5):293–7

Promoting child passenger safety: a comparison of two positive methods. Roberts MC, et al. **J Pediatr Psychol** 1987 Jun;12(2):257–71

Hazardous sound levels produced by extracorporeal shock wave lithotripsy. Lusk RP, et al. **J Urol** 1987 Jun; 137(6):1113–4

The use of eye-nose goggles to control nosocomial respiratory syncytial virus infection. Gala CL, et al. **JAMA** 1986 Nov 21;256(19):2706–8

Goggles: an adjunct to hospital infection control? [editorial] Ray CG. **JAMA** 1986 Nov 21;256(19):2728–9

Safety belts—one year later [editorial] Kemmerer D. **Nebr Med J** 1986 Dec;71(12):419–20

Air bags: reducing the toll of brain trauma. Jagger J, et al. **Neurosurgery** 1987 May;20(5):815–7

Respirators can be used as complement to engineering controls. Burton DJ. **Occup Health Saf** 1986 Oct; 55(10):74–5

Wearing proper protection prevents hearing loss in high-noise areas. Gasaway DC. **Occup Health Saf** 1986 Oct;55(10):47–8, 50

Protective eyewear, proper care help stop injuries, blindness at work. Hall E. **Occup Health Saf** 1987 Jan;56(1):70–1, 80

Fire department sets example for respiratory protection evaluation. Hills M. **Occup Health Saf** 1986 Sep;55(9):36–8

Improving hearing conservation in the industrial workplace setting. Sataloff J, et al. **Occup Health Saf** 1987 Mar; 56(3):35–9

Absorptive lenses offer protection from specific hazards of sunlight. Tucker R, et al. **Occup Health Saf** 1987 Aug; 56(9):41–2

Method to minimize contact with tears during slit lamp examination. Bourgeois RJ. **Ophthalmic Surg** 1986 Sep; 17(9):593

Argon laser treatment of periocular lesions: an experimental study. Summers CG, et al. **Ophthalmic Surg** 1987 Feb; 18(2):100–2

Why I have difficulty being enthusiastic about recommending that children wear helmets on bicycles [letter] Ciastko AR. **Pediatrics** 1987 Mar;79(3):487–8

Child restraint law effects on motor vehicle accident fatalities and injuries: the New Mexico experience. Sewell CM, et al. **Pediatrics** 1986 Dec;78(6):1079–84

Snowhole blues: comments on Kinney and Corth. Trościanko T. **Perception** 1986;15(2):219–21

Personal protection when handling solvents. Jaakkola J. **Prog Clin Biol Res** 1986;220:303–15

An automatic laser filter for the indirect ophthalmoscope. Grisolano J, et al. **Retina** 1987 Spring;7(1):32–3

The efficiency of earmuffs against impulse noise from firearms. Ylikoski J, et al. **Scand Audiol** 1987;16(2):85–8

Motorcycle deaths and injuries in Texas: helmets make a difference. Lloyd LE, et al. **Tex Med** 1987 Apr;83(4):30–3

How many deaths will it take? [editorial] Narayan RK. **Tex Med** 1987 Apr;83(4):5–6

[Hearing protectors and speech intelligibility during noise] Tománek R, et al. **Cesk Otolaryngol** 1987 Jan;36(1):42–8 (Eng. Abstr.) **(Cze)**

[Eczema of the face caused by protective rubber masks] Brandrup F, et al. **Ugeskr Laeger** 1987 Apr 6;149(15):968–9 (Eng. Abstr.) **(Dan)**

[Acoustic trauma] Smoorenburg GF, et al. **Ned Tijdschr Geneeskd** 1987 Apr 25;131(17):706–9 **(Dut)**

[MRI equipment, advances in magnet shielding systems] Yamada S, et al. **Nippon Rinsho** 1987 Jan;45(1):39–42 **(Jpn)**

[A simple and effective protection method during abdominal angiography] Saito K, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1569–71 **(Jpn)**

[Precise measurement of acceleration forces in cables] do Nascimento EM, et al. **Rev Saude Publica** 1986 Oct; 20(5):401–4 (Eng. Abstr.) **(Por)**

[Characteristics of noise in different branches of industry and efficacy of attenuating it using noise-proof headphones] Stark Iu. **Gig Tr Prof Zabol** 1987 Mar;(3):14–7 (Eng. Abstr.) **(Rus)**

[A protective cap for the cornea] Nuritdinov VA, et al. **Vestn Oftalmol** 1986 Sep-Oct;102(5):70 **(Rus)**

ECONOMICS

Public policy and automobile occupant restraint: an economist's perspective. Warner KE. **Accid Anal Prev** 1987 Feb;19(1):39–50

STANDARDS

Do bicycle safety helmets reduce severity of head injury in real crashes? Dorsch MM, et al. **Accid Anal Prev** 1987 Jun; 19(3):183–90

Methyl isocyanate liquid and vapor permeation through selected respirator diaphragms and chemical protective clothing. Berardinelli SP, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):324–9

Suggested standard hearing protector attenuation function relating to the NRR. Cluff GL. **Am Ind Hyg Assoc J** 1986 Dec;47(12):776–8

Penetration of methyl isocyanate through organic vapor and acid gas respirator cartridges. Moyer ES, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):315–23

Fire fighter helmet ventilation analysis. Reischl U. **Am Ind Hyg Assoc J** 1986 Sep;47(9):546–51

Industrial eye protection. Davey JB. **Ann Occup Hyg** 1987; 31(1):67–70

Protective helmets for motorcyclists—a new British Standard (BS 6658). Glaister DH. **Injury** 1986 Nov;17(6):376–9

Evaluation of light transmission characteristics of protective eyeglasses for visible light-curing units. Fan PL, et al. **J Am Dent Assoc** 1986 Nov;113(5):770–2

Using audiometric data base analysis. Royster JD, et al. **J Occup Med** 1986 Oct;28(10):1055–68

Respirator's usage listed incorrectly [letter] Graham SC, et al. **Occup Health Saf** 1986 Oct;55(10):84–5

Choosing respiratory protection requires proper hazard evaluation. Johnston A, et al. **Occup Health Saf** 1987 Feb; 56(2):39, 42–4

Guide recommends inappropriate equipment [letter] Lowey P, et al. **Occup Health Saf** 1986 Oct;55(10):84

Stricter respiratory protection is required by new asbestos rules. Miller RH. **Occup Health Saf** 1987 Jan;56(1):39–42

Incomplete standards could be misleading [letter] Parker D. **Occup Health Saf** 1986 Oct;55(10):82, 84

[Exposure to high impulse noise: analytical methodology and experimental evaluation] Cosa M, et al. **Ann Ist Super Sanita** 1987;23(1):135–45 (Eng. Abstr.) **(Ita)**

[Physiologic and hygienic evaluation of a personal respirator with compulsory air filtration] Riumshin VM, et al. **Gig Tr Prof Zabol** 1987 Jun;(6):41–4 (Eng. Abstr.) **(Rus)**

SUPPLY & DISTRIBUTION

Suppliers heed call for protective products. Holthaus D. **Hospitals** 1987 Sep 20;61(18):72–3

Safety dealers should provide education, training with products. Pereson RA. **Occup Health Saf** 1986 Oct; 55(10):76, 78

PROTEIN A see **STAPHYLOCOCCAL PROTEIN A**

PROTEIN AA see **AMYLOID PROTEIN AA**

PROTEIN ARGININE METHYLTRANSFERASE see under **PROTEIN METHYLTRANSFERASES**

PROTEIN BINDING

see related
BLOOD PROTEINS
CARRIER PROTEINS
THYROXINE-BINDING PROTEIN

Protein binding studies with radiolabeled compounds containing radiochemical impurities. Equilibrium dialysis versus dialysis rate determination. Honoré B. **Anal Biochem** 1987 Apr;162(1):80–8

Investigation of the competition of two ligands for the same binding sites on a protein. Lecureuil N, et al. **Anal Biochem** 1986 Dec;159(2):396–401

The plasma protein binding of basic drugs. Routledge PA. **Br J Clin Pharmacol** 1986 Nov;22(5):499–506

The clinical relevance of protein binding and tissue concentrations in antimicrobial therapy. Wise R. **Clin Pharmacokinet** 1986 Nov–Dec;11(6):470–82 (54 ref.)

Covalent binding of proteins to grafted plastic surfaces suitable for immunoassays. I. Binding capacity and characteristics of grafted polymers. Larsson H, et al. **J Immunol Methods** 1987 Apr 2;98(1):129–35

The nonspecific protein binding of polymeric microporous membranes. Pitt AM. **J Parenter Sci Technol** 1987 May–Jun;41(3):110–3

Plasma protein binding–lipophilicity relationships: interspecies comparison of some organic acids. Lázníček M, et al. **J Pharm Pharmacol** 1987 Feb;39(2):79–83

A cell cycle–associated pathway for repair of DNA–protein crosslinks in mammalian cells. Gantt R. **Mutat Res** 1987 Jan;183(1):75–87

Measures of cooperativity in the binding of ligands to proteins and their relation to non-additivity in protein–protein interactions. Horovitz A. **Proc R Soc Lond [Biol]** 1986 Dec 22;229(1256):315–29

Specific binding of human pancreatic secretory trypsin inhibitor to various cultured cells. Niinobu T, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug;53(2):245–8

[Effect of inflammation on blood protein binding, pharmacokinetics and pharmacodynamics of drugs] Belpaire F. **Verh K Acad Geneeskd Belg** 1987;49(1):83–97 (Eng. Abstr.) **(Dut)**

DRUG EFFECTS

The effect of drugs on bilirubin–albumin binding capacity. Surjono A, et al. **Kobe J Med Sci** 1986 Oct;32(5):163–9

PROTEIN BINDING RADIOASSAY see **RADIOLIGAND ASSAY**

PROTEIN C

ANALYSIS

Plasma heparin cofactor II, protein C and antithrombin in elective surgery. Andersson TR, et al. **Acta Chir Scand** 1987 Apr;153(4):291–6

Protein C and antithrombin III in polytransfused thalassemic patients. Musumeci S, et al. **Acta Haematol (Basel)** 1987; 77(1):30–3

A plasma protein C activity assay suitable for a clinical laboratory. Its use to measure activity in hereditary and acquired deficiency states. Rapaport SI, et al. **Am J Clin Pathol** 1987 Apr;87(4):491–7

Diagnostic efficacy of six plasma proteins in evaluating consumptive coagulopathies. Use of receiver operating characteristic curves to compare antithrombin III, plasminogen, alpha 2-plasmin inhibitor, fibronectin, prothrombin, and protein C. Cembrowski GS, et al. **Arch Intern Med** 1986 Oct;146(10):1997–2002

Analysis of protein C and protein S in disease states. Esmon NL, et al. **Dev Biol Stand** 1987;67:75–82

Protein C: an automated activity assay. Odegaard OR, et al. **Haemostasis** 1987;17(3):109–13

Fibrinolysis in health and disease: abnormal levels of plasminogen activator, plasminogen activator inhibitor, and protein C in thrombotic thrombocytopenic purpura. Glas-Greenwalt P, et al. **J Lab Clin Med** 1986 Nov; 108(5):415–22

Prothrombin and protein C in early childhood: normal adult levels are not achieved until the fourth year of life. Nardi M, et al. **J Pediatr** 1986 Nov;109(5):843–5

High level of protein C and protein S in nephrotic syndrome [letter] Rostoker G, et al. **Nephron** 1987;46(2):220–1

An international collaborative study on the performance of protein C antigen assays. Report of the ICTH subcommittee on protein C. International Committee on Thrombosis and Haemostasis. Bertina RM. **Thromb Haemost** 1987 Feb 3;57(1):112–7

Multicenter comparison of five functional and two immunological assays for protein C. Mannucci PM, et al. **Thromb Haemost** 1987 Feb 3;57(1):44–8

Assay of protein C in human plasma: comparison of amidolytic, coagulation, and immunochemical assays. España F, et al. **Thromb Res** 1986 Dec 15;44(6):771–82

Plasma levels of protein C and protein S in patients with vasculopathy. Knöbl PN, et al. **Thromb Res** 1987 Mar 15; 45(6):857–63

Decline of proteins C and S and factors II, VII, IX and X during the initiation of warfarin therapy. Weiss P, et al. **Thromb Res** 1987 Mar 15;45(6):783–90

[Protein C (and protein S)] Nakamura S, et al. **Rinsho Byori** 1987 Apr;Spec No 70:100–7 (28 ref.) **(Jpn)**

BLOOD

Rapid amidolytic assay of protein C in whole plasma using an activator from the venom of Agkistrodon contortrix. Francis RB Jr, et al. **Am J Clin Pathol** 1987 May; 87(5):619–25

Immunoaffinity purification of protein C by using conformation-specific monoclonal antibodies to protein C-calcium ion complex. Nakamura S, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):85–93

Defective protein C in uraemia. Sørensen PJ, et al. **Blood Purif** 1987;5(1):29–32

The effect of monovalent cations on the pre-steady state reaction kinetics of bovine activated plasma protein C and des-1-41-light chain activated plasma protein C. Hill KA, et al. **J Biol Chem** 1987 Jan 5;262(1):140–6

Measurement of protein C in plasma—a fully automated assay. McCall F, et al. **Thromb Res** 1987 Mar 1;45(5):681–5

Protein C: comparison of different assays in normal and abnormal plasma samples. Vinazzer H, et al. **Thromb Res** 1987 Apr 1;46(1):1–8

DEFICIENCY

Protein C antigen deficiency and warfarin necrosis. Rose VL, et al. **Am J Clin Pathol** 1986 Nov;86(5):653–5

Protein C deficiency in splanchnic venous thrombosis. Green D, et al. **Am J Med** 1987 Jun;82(6):1171–4

Recurrent coumarin-induced skin necrosis in a patient with an acquired functional protein C deficiency. Teepe RG, et al. **Arch Dermatol** 1986 Dec;122(12):1408–12

Coumarin skin necrosis without protein C deficiency [letter] Rowbotham B, et al. **Aust NZ J Med** 1986 Aug;16(4):513

Thrombosis in inherited deficiencies of antithrombin, protein C, and protein S. Rosenberg RD, et al. **Hum Pathol** 1987 Mar;18(3):253–62 (106 ref.)

Protein C deficiency: a cause of amaurosis fugax? [letter] Smith DB, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar; 50(3):361–2

Purpura fulminans in meningococcemia: association with acquired deficiencies of proteins C and S [letter] Powars DR, et al. **N Engl J Med** 1987 Aug 27;317(9):571–2

Protein C deficiency. Rappaport ES, et al. **South Med J** 1987 Feb;80(2):240–2

Treatment of hereditary protein C deficiency with stanozolol. Broekmans AW, et al. **Thromb Haemost** 1987 Feb 3; 57(1):20–4

Familial dysfunctional protein C. Tirindelli MC, et al. **Thromb Res** 1986 Dec 15;44(6):893–7

[Constitutional protein C deficiency in 57 patients from 22 non-related families] Horellou MH, et al. **Ann Med Interne (Paris)** 1986;137(6):465–70 (Eng. Abstr.) **(Fre)**

[Familial protein C deficiency and venous thrombosis] Brottier L, et al. **J Mal Vasc** 1987;12(3):259–64 (Eng. Abstr.) **(Fre)**

[Thrombosis caused by deficiency of protein C in a patient with hepatic failure (letter)] Lefrère JJ, et al. **Presse Med** 1986 Oct 25;15(37):1882 **(Fre)**

[Changes in physiological coagulation inhibitors in the nephrotic syndrome. Therapeutic consequences] Rostoker G, et al. **Presse Med** 1987 May 2;16(16):751–2 **(Fre)**

[Is protein C deficiency responsible for portal thrombosis after neonatal exchange transfusion?] Schved JF, et al. **Presse Med** 1987 Apr 18;16(14):673–4 (Eng. Abstr.) **(Fre)**

[Congenital protein C deficiency and thromboembolic diseases] Schwieder G, et al. **Dtsch Med Wochenschr** 1987 Mar 13;112(11):425–8 (Eng. Abstr.) **(Ger)**

[Homozygous infant in a family with hereditary protein C deficiency] Hintz G, et al. **Klin Wochenschr** 1987 Jul 15; 65(12):576–80 (Eng. Abstr.) **(Ger)**

[A patient with Takayasu arteritis and protein C and AT III deficiency] Wensing G, et al. **Klin Wochenschr** 1987 Aug 3;65(15):752–6 (Eng. Abstr.) **(Ger)**

[Recurrent thromboembolic events in heterozygous protein C deficiency] Bulvik S, et al. **Harefuah** 1986 Jun 1; 110(11):553–4 (Eng. Abstr.) **(Heb)**

[Pathophysiology and treatment of thrombosis. (3) Protein C deficiency and thrombosis] Mimuro J, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):14–7 (48 ref.) **(Jpn)**

[Congenital deficiency and molecular abnormality of protein C] Eguchi Y, et al. **Rinsho Byori** 1987 May;35(5):511–3 (15 ref.) **(Jpn)**

[Severe heterozygous protein C deficiency with relapsing purpura fulminance from the newborn period] Oka T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1971–6 (Eng. Abstr.) **(Jpn)**

[Protein C deficiency. A possible cause of fetal death and recurrent venous thrombosis] Lamvik J, et al. **Tidsskr Nor Laegeforen** 1987 Mar 20;107(8):739–40 (Eng. Abstr.) **(Nor)**

[Congenital protein C deficiency in patients with thromboembolic disease. Study of 4 Spanish families] Sala N, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):569–73 (Eng. Abstr.) **(Spa)**

GENETICS

Gene for human factor X: a blood coagulation factor whose gene organization is essentially identical with that of factor IX and protein C. Leytus SP, et al. **Biochemistry** 1986 Sep 9;25(18):5098–102

Structure and evolution of the human genes encoding protein C and coagulation factors VII, IX, and X. Long GL. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:525–9

Mapping through somatic cell hybrids and cDNA probes of protein C to chromosome 2, factor X to chromosome 13, and alpha 1-acid glycoprotein to chromosome 9. Rocchi M, et al. **Hum Genet** 1986 Sep;74(1):30–3

Structure and evolution of the human genes encoding protein C and coagulation factor IX. Long GL. **J Cell Biochem** 1987 Mar;33(3):185–90

Hereditary thrombophilia: identification of nonsense and missense mutations in the protein C gene. Romeo G, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2829–32

IMMUNOLOGY

[Plasma levels of protein C antigen from healthy subjects] Deguchi K, et al. **Rinsho Byori** 1986 Oct;34(10):1155–8 **(Jpn)**

ISOLATION & PURIFICATION

Isolation of a protein C activator from southern copperhead venom. Kisiel W, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):917–22

Protein C, isolation and potential use in prevention of thrombosis. Esmon CT, et al. **Dev Biol Stand** 1987;67:51–7

METABOLISM

Protein C levels in infancy and early childhood. Influence of breast feeding. Widdershoven J, et al. **Acta Paediatr Scand** 1987 Jan;76(1):7–10

Complex interaction between factor Va-light chain and thrombomodulin in the regulation of protein C activation. Salem HH, et al. **Ann NY Acad Sci** 1986;485:221–7

The binding of Mn2+ to bovine plasma protein C, des(1-41)-light chain protein C, and activated des(1-41)-light chain activated protein C. Hill KA, et al. **Arch Biochem Biophys** 1987 Apr;254(1):196–202

The effect of phospholipids on the activation of protein C by the human thrombin-thrombomodulin complex. Freyssinet JM, et al. **Biochem J** 1986 Aug 15;238(1):151–7

Level of protein C determined by combined assays during disseminated intravascular coagulation and oral anticoagulation. Mimuro J, et al. **Blood** 1987 Jun; 69(6):1704–11

Lack of pathogenetic role of proteins C and S in thrombosis

associated with asparaginase–prednisone–vincristine therapy for leukaemia. Pui CH, et al. **Br J Haematol** 1986 Oct;64(2):283–90

205Tl+ as a spectroscopic probe of the monovalent cation binding sites of bovine plasma activated protein C and des–1–41–light–chain–activated protein C. Hill KA, et al. **J Biol Chem** 1987 May 25;262(15):7098–104

Topographical relationships between the monovalent and divalent cation binding sites of des–1–41–light chain bovine plasma protein C and des–1–41–light chain–activated bovine plasma protein C. Hill KA, et al. **J Biol Chem** 1987 May 25;262(15):7105–8

The effect of divalent cations on the amidolytic activity of bovine plasma activated protein C and des–1–41–light chain activated protein C. Hill KA, et al. **J Biol Chem** 1987 Jul 15;262(20):9581–6

The stimulation by monovalent cations of the amidase activity of bovine des–1–41 light chain activated protein C. Hill KA, et al. **J Biol Chem** 1986 Nov 15;261(32):14991–6

Characterization of a protein C activator from Agkistrodon contortrix contortrix venom. Kisiel W, et al. **J Biol Chem** 1987 Sep 15;262(26):12607–13

Proteolysis of factor Va by factor Xa and activated protein C. Odegaard B, et al. **J Biol Chem** 1987 Aug 15; 262(23):11233–8

Protease inhibitors of human plasma. Protein–C. Esmon CT. **J Med** 1985;16(1–3):285–301 (56 ref.)

Vitamin K–dependent coagulation proteins in asparaginase–induced thrombosis [letter] Pui CH, et al. **J Pediatr** 1986 Nov;109(5):908–9

Failure of L–asparaginase to decrease protein C—A possible rebound phenomenon [letter] Cappellato MG, et al. **Thromb Haemost** 1986 Oct 21;56(2):238

Formation of activated protein C and inactivation of cell–bound thrombin by antithrombin III at the surface of cultured vascular endothelial cells—a comparative study of two anticoagulant mechanisms. Delvos U, et al. **Thromb Haemost** 1987 Feb 3;57(1):87–91

Plasma levels of protein C and vitamin K–dependent coagulation factors in patients on long–term oral anticoagulant therapy. Takahashi H, et al. **Tohoku J Exp Med** 1986 Aug;149(4):351–7

Characterization of the protein C activator Protac from the venom of the southern copperhead (Agkistrodon contortrix) snake. Stocker K, et al. **Toxicon** 1987; 25(3):239–52

[Circulating lupus–type anticoagulant, a risk factor for thrombosis by inhibition of protein C activation] Cariou R, et al. **C R Acad Sci [III]** 1986;303(4):113–8 (Eng. Abstr.) **(Fre)**

[Activation of protein C on the surface of cultivated endothelial cells—role of antithrombin III] Meusel P, et al. **Verh Dtsch Ges Inn Med** 1986;92:120–5 **(Ger)**

[Familial thrombosis caused by protein S deficiency] Vicente V, et al. **Med Clin (Barc)** 1987 Mar 21;88(11):459–62 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Inactivation of factor VIII by activated protein C and protein S. Walker FJ, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):322–8

Protein C inhibits endocytosis of thrombin–thrombomodulin complexes in A549 lung cancer cells and human umbilical vein endothelial cells. Maruyama I, et al. **Blood** 1987 May; 69(5):1481–4

Human protein C induces anticoagulation and increased fibrinolytic activity in the cat. Burdick MD, et al. **Thromb Res** 1987 Feb 15;45(4):413–9

PHYSIOLOGY

Interaction of thrombin with thrombomodulin. Esmon CT, et al. **Ann NY Acad Sci** 1986;485:215–20

Protein S is a cofactor for activated protein C neutralization of an inhibitor of plasminogen activation released from platelets. D'Angelo A, et al. **Blood** 1987 Jan;69(1):231–7

Mechanism of protein C–dependent clot lysis: role of plasminogen activator inhibitor. Sakata Y, et al. **Blood** 1986 Dec;68(6):1218–23

Protein C prevents the coagulopathic and lethal effects of Escherichia coli infusion in the baboon. Taylor FB Jr, et al. **J Clin Invest** 1987 Mar;79(3):918–25

Hereditary disorders predisposing to thrombosis. Comp PC. **Prog Hemost Thromb** 1986;8:71–102 (229 ref.)

The regulation of natural anticoagulant pathways. Esmon CT. **Science** 1987 Mar 13;235(4794):1348–52

The interaction of activated protein C and thrombin with the plasminogen activator inhibitor released from human endothelial cells. de Fouw NJ, et al. **Thromb Haemost** 1987 Apr 7;57(2):176–82

Dysfunctional activated protein C (PC Cádiz) in a patient with thrombotic disease. Sala N, et al. **Thromb Haemost** 1987 Apr 7;57(2):183–6

Protein C and antithrombin III in acute myocardial infarction. Gonzalez R, et al. **Thromb Res** 1986 Sep 15; 43(6):681–5

[Protein C, protein S] Guillin MC, et al. **Ann Biol Clin (Paris)** 1987;45(2):184–90 (Eng. Abstr.) **(Fre)**

[Study of the protein C–protein S system in glomerulopathies and nephrotic syndrome] Rostoker G, et al. **Nouv Rev Fr Hematol** 1986;28(6):359–63 (Eng. Abstr.) **(Fre)**

[The protein C system] Guillin MC. **Presse Med** 1987 Mar 21;16(10):468–70 **(Fre)**

[Protein C] Conard J, et al. **Rev Med Interne** 1986 Sep; 7(4):391–404 (72 ref.) **(Fre)**

[Mechanism of regulation of blood coagulation] Hashimoto S. **Rinsho Byori** 1987 May;35(5):477–90 (25 ref.) **(Jpn)**

[Role of protein C in regulating blood coagulation and fibrinolysis] Zawilska K, et al. **Przegl Lek** 1987;44(4):410–3 **(Pol)**

PROTEIN C ANTIGEN see **PROTEIN C**

PROTEIN–CALORIE MALNUTRITION

Ethics of malnutrition research in children [letter] Moosa A. **Lancet** 1987 Aug 8;2(8554):338–9

[Weight changes and skinfold thickness study in a group of patients in RDT] Mandolfo S, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):177–80 **(Ita)**

[Relation of socioeconomic and environmental indicators to the nutritional status of preschool children in a community of Sierra Norte de Puebla, México] Pérez–Gil SE, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):35–44 (Eng. Abstr.) **(Spa)**

BLOOD

Low circulating somatomedin–C/insulin–like growth factor I in insulin–dependent diabetes and malnutrition: growth hormone receptor and post–receptor defects. Maes M, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:86–92

The effect of nutritional support on T–lymphocyte subpopulations in protein calorie malnutrition. Abbott WC, et al. **J Am Coll Nutr** 1986;5(6):577–84

Growth hormone responses in isolated protein deficiency state in rhesus monkey. Khardori R, et al. **Neuroendocrinology** 1987 Jun;45(6):437–40

Serum insulin–like growth factors I and II concentrations and growth hormone and insulin responses to arginine infusion in children with protein–energy malnutrition before and after nutritional rehabilitation. Soliman AT, et al. **Pediatr Res** 1986 Nov;20(11):1122–30

Blood glutathione in severe malnutrition in childhood. Jackson AA. **Trans R Soc Trop Med Hyg** 1986;80(6):911–3

[Characterization of the action of aminoglycosides in tissue fluids] Campos R, et al. **Rev Med Chil** 1986 Aug; 114(8):777–87 (Eng. Abstr.) **(Spa)**

[Malnutrition in puerperal women of the northern area of Santiago, Chile] Valenzuela CY, et al. **Rev Med Chil** 1986 Jul;114(7):690–1 **(Spa)**

COMPLICATIONS

Effect of starvation, malnutrition, and trauma on the gastrointestinal tract flora and bacterial translocation. Deitch EA, et al. **Arch Surg** 1987 Sep;122(9):1019–24

Etiology of acute gastroenteritis in malnutrition. Roy VV, et al. **Indian J Med Res** 1986 Aug;84:173–7

The effect of protein malnutrition and nutritional support on the mechanical properties of fracture healing in the injured rat. Pollak D, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):564–7

Protein–energy malnutrition and risk of infection. Tomkins AM. **Proc Nutr Soc** 1986 Sep;45(3):289–304

Biochemical and hemodynamic changes in the hypertrophied dog heart subjected to chronic protein–calorie malnutrition. Tabayashi K, et al. **Tohoku J Exp Med** 1987 Apr; 151(4):453–63

[Secondary immunodeficiencies] de Gast GC, et al. **Ned Tijdschr Geneeskd** 1986 Sep 13;130(37):1635–8 **(Dut)**

[Intestinal parasitic colonization and protein–caloric malnutrition] Gendrel D, et al. **Arch Fr Pediatr** 1986 Nov; 43(9):727–30 (Eng. Abstr.) **(Fre)**

[Non–specific chronic obstructive bronchopneumopathy and nutrition] Guelpa G, et al. **Schweiz Med Wochenschr** 1987 Jan 31;117(5):168–72 (Eng. Abstr.) **(Fre)**

[Development of a methodology for the assessment of the nutritional status at the level of household units] López de Peña E, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):53–66 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Screening for marasmus: a discriminant analysis as a guide to choose the anthropometric variables. Van Loon H, et al. **Am J Clin Nutr** 1987 Feb;45(2):488–93

Nutritional status on admission to a general surgical ward in a Sydney hospital. Zador DA, et al. **Aust NZ J Med** 1987 Apr;17(2):234–40

[Assessment of risk status using nutrition diagnostic studies in surgical patients. 1. Determination of preoperative risk status in patients with stomach cancer] Schmoz G, et al. **Infusionsther Klin Ernahr** 1987 Feb;14 Suppl 1:17–27 (Eng. Abstr.) **(Ger)**

[Protein malnutrition in pediatric patients with oncologic diseases] Howanietz H, et al. **Klin Padiatr** 1987 Mar–Apr; 199(2):73–6 (Eng. Abstr.) **(Ger)**

[Weight changes and skinfold thickness study in a group of patients in RDT] Mandolfo S, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):177–80 **(Ita)**

[Laboratory criteria for malnutrition] Bøhmer T. **Tidsskr Nor Laegeforen** 1986 Aug 10;106(22):1700–4 (Eng. Abstr.) **(Nor)**

[Nutritional evaluation in hospitalized infants] Becerra M, et al. **Rev Chil Pediatr** 1986 May–Jun;57(3):237–40 (Eng. Abstr.) **(Spa)**

[Sensitivity of 3 criteria of nutritional evaluation for the diagnosis of malnutrition in infants] Lewin AL, et al. **Rev Chil Pediatr** 1986 Jul–Aug;57(4):345–9 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Research for fisheries and the alleviation of malnutrition. Campbell–Asselbergs E. **Food Nutr (Roma)** 1986; 12(2):38–43

A nutritional approach to fisheries projects. Campbell–Asselbergs E. **Food Nutr (Roma)** 1986; 12(2):36–44

Fish and food aid. Coutts DC. **Food Nutr (Roma)** 1986; 12(2):28–9

The prospects for fish for the malnourished. James DG. **Food Nutr (Roma)** 1986;12(2):20–30

DRUG THERAPY

[Effect of zinc on the body in protein–calorie malnutrition] Ulen LT, et al. **Vopr Pitan** 1987 Mar–Apr;(2):42–4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Benomyl–induced craniocerebral anomalies in fetuses of adequately nourished and protein–deprived rats. Ellis WG, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):357–75

ENZYMOLOGY

The effect of protein deficiency on the activity of gamma–glutamyl transpeptidase in the small intestine of rats. Kansal VK, et al. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):261–3

Protein malnutrition and the function and fluidity of the intestinal microvillus membrane in growing rats. Livshin L, et al. **J Nutr** 1987 Apr;117(4):684–8

Effects of neonatal undernutrition and subsequent nutritional rehabilitation or administration of thyroxine and hydrocortisone on the inositol phosphatase activities in rat intestine. Rao RK, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):787–92

ETIOLOGY

Some practical and theoretic concepts in the nutritional assessment of the cancer patient. Bistrian BR. **Cancer** 1986 Oct 15;58(8 Suppl):1863–6

In turning of coccyx—a deep rooted misconception for severe malnutrition [letter] Bhandari B, et al. **Indian J Pediatr** 1987 May–Jun;54(3):451–2

Nutritional status in relation to socioeconomic level and nutritional knowledge. Mathur P, et al. **Indian J Public Health** 1986 Apr–Jun;30(2):113–23

Nutritional support of children with neoplastic diseases. Coates TD, et al. **Surg Clin North Am** 1986 Dec; 66(6):1197–212 (146 ref.)

Separation from mother at time of weaning. A rarely discussed aspect of the aetiology of protein energy malnutrition. Schmutzhard E, et al. **Trop Doct** 1986 Oct; 16(4):176–7

FAMILIAL & GENETIC

Sibling similarities in the strength and motor performance of undernourished school children. Malina RM, et al. **Hum Biol** 1986 Dec;58(6):945–53

IMMUNOLOGY

Modulation of cellular immunity in malnutrition: effect of interleukin 1 on suppressor T cell activity. Hoffman–Goetz L, et al. **Clin Exp Immunol** 1986 Aug;65(2):381–6

Age and protein malnutrition: effects on the febrile response. Bradley SF, et al. **Gerontology** 1987;33(2):99–108

Thymosin fraction 5: effects on T cell functions in mice immunosuppressed by severe dietary protein deficiency. Watson RR, et al. **Int J Immunopharmacol** 1986;8(6):545–52

Current concepts in immune derangement due to undernutrition. Garre MA, et al. **JPEN J Parenter Enteral Nutr** 1987 May–Jun;11(3):309–13 (74 ref.)

Diminished polymorphonuclear leukocyte adherence and chemotaxis following protein–calorie malnutrition in newborn rats. Harris MC, et al. **Pediatr Res** 1987 Jun; 21(6):542–6

Triiodothyronine improves the primary antibody response to sheep red blood cells in severely undernourished weanling mice. Filteau SM, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):427–33

METABOLISM

Pharmacokinetics of phenobarbitone in protein energy malnutrition. Syed GB, et al. **Dev Pharmacol Ther** 1986; 9(5):317–22

Disposition of chloramphenicol in young rhesus monkeys with protein–energy malnutrition. Sharma B, et al. **Drug Nutr Interact** 1986;4(4):333–8

Nutrition and drug disposition [letter] Gupte S, et al. **Indian J Pediatr** 1987 May–Jun;54(3):452–4

Muscle biopsy studies on protein–energy malnutrition in

patients with chronic relapsing pancreatitis. Guarnieri G, et al. **Infusionsther Klin Ernahr** 1986 Aug;13(4):166, 168–71

Metabolic adaptation in protein–energy malnutrition. Frenk S. **J Am Coll Nutr** 1986;5(4):371–81 (70 ref.)

Time course of changes in rat serum apolipoproteins during the consumption of different low protein diets followed by a balanced diet. Meghelli-Bouchenak M, et al. **J Nutr** 1987 Apr;117(4):641–9

Lymphoid organ mRNA translatability in rats: effect of protein energy undernutrition in early life. Srivastava US, et al. **J Nutr** 1987 Feb;117(2):242–6

Calcium metabolism in children recovering from severe protein–energy malnutrition. Caballero B, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):740–5

Biochemical consequences of protein depletion in the rabbit heart. Kuykendall RC, et al. **J Surg Res** 1987 Jul;43(1):62–7

Pathophysiological implications of increased brain burden of histamine in protein malnutrition. Enwonwu CO. **Med Hypotheses** 1987 Jan;22(1):1–13

MORTALITY

Severe protein energy malnutrition in Lesotho, death and survival in hospital, clinical findings. Tolboom JJ, et al. **Trop Geogr Med** 1986 Dec;38(4):351–8

OCCURRENCE

Famine in Ethiopia 1983–1985: kwashiorkor and marasmus in four regions. Lindtjørn B. **Ann Trop Paediatr** 1987 Mar; 7(1):1–5

Nutritional status of preschool children in a backward community. Mishra CP, et al. **Indian J Pediatr** 1987 Mar–Apr;54(2):267–70

A study of ecological determinants of nutrition profile of preschool children in Ganderbal block of Kashmir Valley. Singh J, et al. **Indian J Public Health** 1986 Apr–Jun; 30(2):77–84

Incidence of protein calorie malnutrition in the nursing home population. Pinchcofsky-Devin GD, et al. **J Am Coll Nutr** 1987 Apr;6(2):109–12

Infant protein energy malnutrition in Nigeria. Ojofeitimi EO, et al. **J R Soc Health** 1987 Jun;107(3):95–7

Cultural change, growth and feeding of children in an isolated rural region of Yemen. Underwood P, et al. **Soc Sci Med** 1987;25(1):1–7

Feeding patterns of children with protein–energy malnutrition in Nigeria. Jinadu MK, et al. **Trop Doct** 1986 Apr;16(2):82–5

[Nutritional status of the children of the village of Bobo-Dioulasso and a rural zone of West Burkinabe] Gazin P. **Med Trop (Mars)** 1987 Jan–Mar;47(1):23–7 (Eng. Abstr.) **(Fre)**

[Health conditions of children of the municipality of São Paulo, SP (Brazil), 1984–1985. II—Nutritional anthropometry] Monteiro CA, et al. **Rev Saude Publica** 1986 Dec;20(6):446–53 (Eng. Abstr.) **(Por)**

[Differentiation of the nutritional status of preschool children, according to socioeconomic levels, in a marginal zone] Batrouni L, et al. **Arch Latinoam Nutr** 1985 Dec; 35(4):565–76 (Eng. Abstr.) **(Spa)**

[Relation of socioeconomic and environmental indicators to the nutritional status of preschool children in a community of Sierra Norte de Puebla, México] Pérez-Gil SE, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):35–44 (Eng. Abstr.) **(Spa)**

[Prevalence of protein–energy malnutrition in gastroenterologic patients] Cabré E, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):241–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pre- and postnatal development of adipose tissue at four sites in the guinea pig: effect of maternal diet restriction during the second half of pregnancy. Ashwell M, et al. **Ann Nutr Metab** 1987;31(4):197–210

Ultrastructure and activity of some enzymes of energy metabolism of skeletal muscle in experimental energy deficiency. Mehta J, et al. **Ann Nutr Metab** 1987;31(1):35–46

[Effect of protein–energy deficiency on the composition of the glial population of the mouse neocortex] Medvedev DI, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):17–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Muscle involvement during postnatal protein calorie malnutrition and recovery in rhesus monkeys. Chopra JS, et al. **Acta Neurol Scand** 1987 Apr;75(4):234–43

Fever and malnutrition: endogenous pyrogen/interleukin-1 in malnourished patients. Kauffman CA, et al. **Am J Clin Nutr** 1986 Oct;44(4):449–52

Gastric emptying in children. IV. Studies on kwashiorkor and on marasmic kwashiorkor. Franco VH, et al. **Arq Gastroenterol** 1986 Jan–Mar;23(1):42–6

Persistent impairment of insulin secretory response to glucose in adult rats after limited period of protein–calorie malnutrition early in life. Swenne I, et al. **Diabetes** 1987 Apr;36(4):454–8

Growth and proportionality in early childhood. III. Differences between babies of low birthweight in well-nourished and malnourished populations. Ounsted M, et al. **Early Hum Dev** 1986 Dec;14(3–4):167–78

Small bowel function in mild to moderate protein–energy malnutrition. Mehta S, et al. **Indian Pediatr** 1986 Aug; 23(8):605–10

Endotoxin but not malnutrition promotes bacterial translocation of the gut flora in burned mice. Deitch EA, et al. **J Trauma** 1987 Feb;27(2):161–6

Cardiac function during protein malnutrition and refeeding in the isolated rat heart. Freund HR, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):470–3

Impaired wound healing in surgical patients with varying degrees of malnutrition. Haydock DA, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):550–4

Reduced anti-immobility effect of repeated desipramine (DMI) treatment in adult rats undernourished at perinatal age. Molina VA, et al. **Pharmacol Biochem Behav** 1987 Feb; 26(2):417–9

Alteration of lung mechanics by protein–calorie malnutrition in weaned rats. Kalenga M, et al. **Respir Physiol** 1987 Apr; 68(1):29–39

[Nutritional status and small intestine absorption] Weiner R, et al. **Z Gesamte Inn Med** 1986 Dec 1;41(23):657–9 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Breast-feeding and malnutrition in rural areas of northeast Brazil. de Freitas CL, et al. **Bull Pan Am Health Organ** 1986;20(2):138–46

Putting men back in the picture. Sexism in nutrition and extension programmes. Gibson N. **Food Nutr (Roma)** 1986; 12(2):48–51

Nutrition policy in health plans. **Indian J Public Health** 1986 Apr–Jun;30(2):63–5

Supplementary nutrition programmes for mothers and children in Himachal Pradesh. Sharma M, et al. **Indian Pediatr** 1986 Sep;23(9):705–11

[Some aspects of the evaluation of protein requirements and protein supply in developing countries] Münch S, et al. **Z Gesamte Hyg** 1986 Aug;32(8):458–61 (Eng. Abstr.) **(Ger)**

THERAPY

Controlled trial of zinc supplementation during recovery from malnutrition: effects on growth and immune function. Castillo-Duran C, et al. **Am J Clin Nutr** 1987 Mar; 45(3):602–8

Comparison of serum fibronectin, prealbumin, and albumin concentrations during nutritional repletion in protein–calorie malnourished infants. Yoder MC, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):84–8

Long-term follow-up of severe protein–energy malnutrition in Eastern Zaïre. Hennart P, et al. **J Trop Pediatr** 1987 Feb;33(1):10–2

[Nutrition in tumor patients] Kleeberg UR. **Med Klin** 1987 Jan 30;82(2):80–3 **(Ger)**

[Parenteral and tube feeding] Hartig W, et al. **Verh Dtsch Ges Inn Med** 1986;92:224–35 **(Ger)**

[Tube feeding. Indications, methods and practical aspects] Lübke HJ, et al. **Pol Tyg Lek** 1986 Nov 17;41(46):1468–72 **(Pol)**

[Intensive therapy of protein–energy deficiency at the cachexia stage] Iakunina ZD, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):14–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of artificial feeding of surgical patients] Pugaev AV, et al. **Sov Med** 1986;(12):31–8 (Eng. Abstr.) **(Rus)**

[Ambulatory treatment of protein–calorie malnutrition of infants. Infant nutrition center] Puentes R, et al. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):91–6 (Eng. Abstr.) **(Spa)**

PROTEIN CONFORMATION

Formation of the local secondary structure of proteins: local sequence or environment. Plochocka D, et al. **Acta Biochim Pol** 1986;33(2):109–18

Vibrational spectroscopy and conformation of peptides, polypeptides, and proteins. Krimm S, et al. **Adv Protein Chem** 1986;38:181–364 (371 ref.)

Universal calibration of gel permeation chromatography and determination of molecular shape in solution. Potschka M. **Anal Biochem** 1987 Apr;162(1):47–64

Simulations of proteins in water. Berendsen HJ, et al. **Ann NY Acad Sci** 1986;482:269–86

Molecular dynamics: applications to proteins. Karplus M. **Ann NY Acad Sci** 1986;482:255–66

Enzyme semisynthesis by conformational modification of proteins. Keyes MH, et al. **Ann NY Acad Sci** 1987;501:201–4

Geometric universality in brain allosteric protein dynamics: complex hydrophobic transformation predicts mutual recognition by polypeptides and proteins. Mandell AJ, et al. **Ann NY Acad Sci** 1987;504:88–117

Conformational energy calculations on polypeptides and proteins: use of a statistical mechanical procedure for evaluating structure and properties. Scheraga HA, et al. **Ann NY Acad Sci** 1986;482:60–8

Third type of secondary structure: noncooperative mobile conformation. Protein Data Bank analysis. Adzhubei AA, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):934–8

A possible way for prediction of domain boundaries in globular proteins from amino acid sequence. Vonderviszt F, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):11–7

Four classes of beta-hairpins in proteins. Milner-White EJ, et al. **Biochem J** 1986 Nov 15;240(1):289–92

Studies of peptide conformation in the design of peptide agonists. Kaiser ET. **Biochem Pharmacol** 1987 Mar 15; 36(6):783–8 (30 ref.)

Secondary structure determination in proteins from deep (192–223-nm) ultraviolet Raman spectroscopy. Copeland RA, et al. **Biochemistry** 1987 Apr 21;26(8):2134–9

Structure refinement of a cyclic peptide from two-dimensional NMR data and molecular modeling. Fesik SW, et al. **Biochemistry** 1987 Apr 7;26(7):1851–9

Thermal expansion of a protein. Frauenfelder H, et al. **Biochemistry** 1987 Jan 13;26(1):254–61

Compressibility-structure relationship of globular proteins. Gekko K, et al. **Biochemistry** 1986 Oct 21;25(21):6563–71

Computer-aided model-building strategies for protein design. Pabo CO, et al. **Biochemistry** 1986 Oct 7;25(20):5987–91

New hydrophilicity scale derived from high-performance liquid chromatography peptide retention data: correlation of predicted surface residues with antigenicity and X-ray-derived accessible sites. Parker JM, et al. **Biochemistry** 1986 Sep 23;25(19):5425–32

Peptide models of electrostatic interactions in proteins: NMR studies on two beta-turn tetrapeptides containing Asp-His and Asp-Lys salt bridges. Sahal D, et al. **Biochemistry** 1986 Oct 7;25(20):6004–13

Directly observed 15N NMR spectra of uniformly enriched proteins. Smith GM, et al. **Biochemistry** 1987 Apr 21; 26(8):2202–7

Structural heterogeneity in protein crystals. Smith JL, et al. **Biochemistry** 1986 Sep 9;25(18):5018–27

Intramolecular disulfide loop formation in a peptide containing two cysteines. Snyder GH. **Biochemistry** 1987 Feb 10;26(3):688–94

Free energy of charges in solvated proteins: microscopic calculations using a reversible charging process. Warshel A, et al. **Biochemistry** 1986 Dec 30;25(26):8368–72

Compact units in proteins. Zehfus MH, et al. **Biochemistry** 1986 Sep 23;25(19):5759–65

A model of the mechanism of enzyme action in terms of protein conformational relaxation. Averbukh IS, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):290–6

Theoretical study of the packing of alpha-helices into possible transmembrane bundles. Sequences including alanines, leucines and serines. Furois-Corbin S, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):31–45

Prediction of protein structural class by discriminant analysis. Klein P. **Biochim Biophys Acta** 1986 Nov 21;874(2):205–15

Beta-bulges within loops as recurring features of protein structure. Milner-White EJ. **Biochim Biophys Acta** 1987 Jan 30;911(2):261–5

Mutant sequences as probes of protein folding mechanisms. Matthews CR, et al. **Bioessays** 1987 Jun;6(6):254–7

Origin of low-frequency motions in biological macromolecules. A view of recent progress in the quasi-continuity model. Chou KC. **Biophys Chem** 1986 Dec 15;25(2):105–16

Viscosity dependence of the solute quenching of the tryptophanyl fluorescence of proteins. Eftink MR, et al. **Biophys Chem** 1986 Dec 31;25(3):277–82

Charge redistribution in proteins via linear hydrogen-bond chains. Korn AP. **Biophys Chem** 1986 Aug;24(3):235–47

Conformations of cyclo(L-orD-Phe-L-Pro-Aca) and cyclo(L-Pro-L- or D-Phe-Aca). Cyclized dipeptide models for specific types of beta-bends. Mizuno H, et al. **Biophys Chem** 1986 Nov;25(1):73–90

Measurement of rotational molecular motion by time-resolved saturation transfer electron paramagnetic resonance. Fajer P, et al. **Biophys J** 1986 Dec; 50(6):1195–202

Sidechain rotational isomerization in proteins. Dynamic simulation with solvent surroundings. Ghosh I, et al. **Biophys J** 1987 Apr;51(4):637–41

Influence of specific contacts on the stability and structure of proteins. Theory for the perturbation of a harmonic system. Jackson MB. **Biophys J** 1987 Feb;51(2):313–21

Enhanced resolution of fluorescence anisotropy decays by simultaneous analysis of progressively quenched samples. Applications to anisotropic rotations and to protein dynamics. Lakowicz JR, et al. **Biophys J** 1987 May; 51(5):755–68

The nature of phonons and solitary waves in alpha-helical proteins. Lawrence AF, et al. **Biophys J** 1987 May; 51(5):785–93

The distribution of charged groups in proteins. Barlow DJ, et al. **Biopolymers** 1986 Sep;25(9):1717–33

Interaction of amphipathic polypeptides with phospholipids: characterization of conformations and the CD of oriented beta-sheets. Bazzi MD, et al. **Biopolymers** 1987 Jul; 26(7):1115–24

Prediction of the folding of short polypeptide segments by uniform conformational sampling. Bruccoleri RE, et al. **Biopolymers** 1987 Jan;26(1):137–68

A modified strategy for identification of 1H spin systems in proteins. Chazin WJ, et al. **Biopolymers** 1987 Jun; 26(6):973–7

The road from poly(alpha-amino acids) to the prediction of protein conformation. Fasman GD. **Biopolymers** 1987;26 Suppl:S59–79

The dielectric constant of a folded protein. Gilson MK, et al. **Biopolymers** 1986 Nov;25(11):2097–119
Structure and internal mobility of proteins: a molecular dynamics study of hen egg white lysozyme. Ichiye T, et al. **Biopolymers** 1986 Oct;25(10):1909–37
Prediction of protein structural class from the amino acid sequence. Klein P, et al. **Biopolymers** 1986 Sep; 25(9):1659–72
Monte Carlo studies on equilibrium globular protein folding. I. Homopolymeric lattice models of beta–barrel proteins. Kolinski A, et al. **Biopolymers** 1987 Jun;26(6):937–62
Brownian dynamics simulation of protein folding: a study of the diffusion–collision model. Lee SY, et al. **Biopolymers** 1987 Apr;26(4):481–506
Stability of polypeptide conformational states as determined by computer simulation of the free energy. Meirovitch H, et al. **Biopolymers** 1987 May;26(5):651–71
A conformational study of polypeptides in solution by 1H–nmr and distance geometry. Ohkubo T, et al. **Biopolymers** 1986;25 Suppl:S123–34
Prediction of the native conformation of a polypeptide by a statistical–mechanical procedure. III. Probable and average conformations of enkephalin. Paine GH, et al. **Biopolymers** 1987 Jul;26(7):1125–62
On the multiple–minima problem in the conformational analysis of polypeptides. I. Backbone degrees of freedom for a perturbed alpha–helix. Piela L, et al. **Biopolymers** 1987;26 Suppl:S33–58
Differential geometry and protein conformation. V. Medium–range conformational influence of the individual amino acids. Rackovsky S, et al. **Biopolymers** 1987 Jul; 26(7):1163–87
Selective binding and solvent denaturation. Schellman JA. **Biopolymers** 1987 Apr;26(4):549–59
Computer simulation of the folding–unfolding transition of island–model proteins—folding pathway, transition process, and fluctuations. Segawa S, et al. **Biopolymers** 1986 Oct;25(10):1815–35
Raman and normal–mode studies of the extended–helix conformation in polypeptide chains. Sengupta PK, et al. **Biopolymers** 1987;26 Suppl:S99–107
Crystal structure and molecular conformation of the tripeptide, N–Boc–L–Phe–dehydro–Phe–L–Val–OCH3. Singh TP, et al. **Biopolymers** 1987 Jun;26(6):819–29
Raman amide bands of type–II beta–turns in cyclo–(VPGVG)3 and poly–(VPGVG), and implications for protein secondary–structure analysis. Thomas GJ Jr, et al. **Biopolymers** 1987 Jun;26(6):921–34
Temperature–correlated force and structure development in elastomeric polypeptides: the Ile1 analog of the polypentapeptide of elastin. Urry DW, et al. **Biopolymers** 1986 Oct;25(10):1939–53
Helix–coil transition theory including long–range electrostatic interactions: application to globular proteins. Vasquez M, et al. **Biopolymers** 1987 Mar;26(3):351–71
A simple microcomputer program for predicting the secondary structure of proteins. Pascarella S, et al. **Comput Methods Programs Biomed** 1987 Jun;24(3):207–8
Structural disorder in proteins. A comparison of myoglobin and erythrocruorin. Hartmann H, et al. **Eur Biophys J** 1987; 14(6):337–48
Kinetic implications of the occurrence of several relaxations in the conformational transition of mnemonical enzymes. Ricard J, et al. **Eur J Biochem** 1986 Sep 1;159(2):247–54
Application of a reference convolution method to tryptophan fluorescence in proteins. A refined description of rotational dynamics. Vos K, et al. **Eur J Biochem** 1987 May 15; 165(1):55–63
The effect of interchain disulfide bond cleavage on the cold induced precipitation of cryoimmunoglobulins. Brandau DT, et al. **Immunol Invest** 1986 Aug;15(5):447–62
Correctly folded proteins make twice as many hydrophobic contacts. Bryant SH, et al. **Int J Pept Protein Res** 1987 Jan;29(1):46–52
Atomic size packing defects in proteins. Connolly ML. **Int J Pept Protein Res** 1986 Oct;28(4):360–3
A catalogue of phi, psi and omega torsion angles for tetrapeptides in proteins. Easthope PL, et al. **Int J Pept Protein Res** 1986 Jun;27(6):666–72
Empirical rules predicting conformation of cyclic tetrapeptides from primary structure. Kato T, et al. **Int J Pept Protein Res** 1987 Jan;29(1):53–61
Conformation of glycyl residues in globular proteins. Ramakrishnan C, et al. **Int J Pept Protein Res** 1987 May; 29(5):629–37
Conformational properties of trans Ac–Asn–Pro–Tyr–NHMe and trans Ac–Tyr–Pro–Asn–NHMe in dimethylsulfoxide and in water determined by multinuclear n.m.r. spectroscopy (published erratum appears in Int J Pept Protein Res 1986 Dec;28(6):following 660] Stimson ER, et al. **Int J Pept Protein Res** 1986 Jun;27(6):569–82
Protein structural homology: a metric approach. Usha R, et al. **Int J Pept Protein Res** 1986 Oct;28(4):364–9
Excitons and solitons in molecular systems. Davydov AS. **Int Rev Cytol** 1987;106:183–225 (92 ref.)
Radial locations of amino acid residues in a globular protein: correlation with the sequence. Nishikawa K, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1043–7
Protein damage and degradation by oxygen radicals. III. Modification of secondary and tertiary structure. Davies KJ, et al. **J Biol Chem** 1987 Jul 15;262(20):9908–13
Studies of synthetic peptide analogs of the amphipathic helix. Effect of charge distribution, hydrophobicity, and secondary structure on lipid association and lecithin:cholesterol acyltransferase activation. Epand RM, et al. **J Biol Chem** 1987 Jul 5;262(19):9389–96
Use of narrow–bore high–performance liquid chromatography for microanalysis of protein structure. Lu HS, et al. **J Chromatogr** 1986 Oct 24;368(2):215–31
Protein conformational effects in hydrophobic interaction chromatography. Retention characterization and the role of mobile phase additives and stationary phase hydrophobicity. Wu SL, et al. **J Chromatogr** 1986 Dec 26; 371:3–27
Preferences of the side chains in proteins for helix, beta strand, turn, and other conformations. Secondary structures of copper proteins. Lundeen M. **J Inorg Biochem** 1986 Jul; 27(3):151–62
Tertiary templates for proteins. Use of packing criteria in the enumeration of allowed sequences for different structural classes. Ponder JW, et al. **J Mol Biol** 1987 Feb 20;193(4):775–91
The efficiency of folding of some proteins is increased by controlled rates of translation in vivo. A hypothesis. Purvis IJ, et al. **J Mol Biol** 1987 Jan 20;193(2):413–7
Beta–turn–driven early evolution: the genetic code and biosynthetic pathways. Jurka J, et al. **J Mol Evol** 1987; 25(1):15–9
Enzyme structure. Part L. **Methods Enzymol** 1986;131:1–653
Prediction of protein structure. Argos P, et al. **Methods Enzymol** 1986;130:185–207
Protein folding: introductory comments. Baldwin RL. **Methods Enzymol** 1986;131:3–4
Disulfide bonds as probes of protein folding pathways. Creighton TE. **Methods Enzymol** 1986;131:83–106
Detection of folding intermediates using urea–gradient electrophoresis. Creighton TE. **Methods Enzymol** 1986; 131:156–72
Internal motion of proteins: nuclear magnetic resonance measurements and dynamic simulations. Dobson CM, et al. **Methods Enzymol** 1986;131:362–89
Protein folding in cryosolvents and at subzero temperatures. Fink AL. **Methods Enzymol** 1986;131:173–85
Protein conformational dynamics measured by hydrogen isotope exchange techniques. Gregory RB, et al. **Methods Enzymol** 1986;131:448–508
Magnetic circular dichroism. Holmquist B. **Methods Enzymol** 1986;130:270–90
Ultraviolet resonance Raman spectroscopy of biopolymers. Hudson B, et al. **Methods Enzymol** 1986;130:331–50
Refolding and association of oligomeric proteins. Jaenicke R, et al. **Methods Enzymol** 1986;131:218–50
Amide proton exchange as a probe of protein folding pathways. Kim PS. **Methods Enzymol** 1986;131:136–56
Mutational analysis of protein folding pathways: the P22 tailspike endorhamnosidase. King J, et al. **Methods Enzymol** 1986;131:250–66
Protein dynamics investigated by neutron diffraction. Kossiakoff AA. **Methods Enzymol** 1986;131:433–47
Folding intermediates studied by circular dichroism. Labhardt AM. **Methods Enzymol** 1986;131:126–35
Calculation of electrostatic interactions in proteins. Matthew JB, et al. **Methods Enzymol** 1986;130:413–36
Stabilization and destabilization of protein structure by charge interactions. Matthew JB, et al. **Methods Enzymol** 1986;130:437–53
Protein dynamics by solid state nuclear magnetic resonance. Opella SJ. **Methods Enzymol** 1986;131:327–61
Determination and analysis of urea and guanidine hydrochloride denaturation curves. Pace CN. **Methods Enzymol** 1986;131:266–80
Mössbauer effect in the study of structure dynamics. Parak F, et al. **Methods Enzymol** 1986;131:568–607
Stopped–flow circular dichroism. Pflumm M, et al. **Methods Enzymol** 1986;130:519–34
Scanning microcalorimetry in studying temperature–induced changes in proteins. Privalov PL, et al. **Methods Enzymol** 1986;131:4–51
Study of protein dynamics by X–ray diffraction. Ringe D, et al. **Methods Enzymol** 1986;131:389–433
Individual breathing reactions measured by functional labeling and hydrogen exchange methods. Rogero JR, et al. **Methods Enzymol** 1986;131:508–17
Fast–folding and slow–folding forms of unfolded proteins. Schmid FX. **Methods Enzymol** 1986;131:70–82
Complementation in folding and fragment exchange. Taniuchi H, et al. **Methods Enzymol** 1986;131:185–217
Kinetic mechanisms of protein folding. Utiyama H, et al. **Methods Enzymol** 1986;131:51–70
Protein secondary structure analysis using Raman amide I and amide III spectra. Williams RW. **Methods Enzymol** 1986;130:311–31
Calculation of protein conformation from circular dichroism. Yang JT, et al. **Methods Enzymol** 1986;130:208–69
Resonance Raman studies of ligand binding. Yu NT. **Methods Enzymol** 1986;130:350–409
Protein structure. Stability of alpha–helices [news] Creighton TE. **Nature** 1987 Apr 9–15;326(6113):547–8
Protein chemistry. Folding into the right shape [news] Freedman R. **Nature** 1987 Sep 17–23;329(6136):196–7
Millisecond X–ray diffraction and the first electron density map from Laue photographs of a protein crystal. Hajdu J, et al. **Nature** 1987 Sep 10–16;329(6135):178–81
Chain flexibility and antigenicity [letter] Jemmerson R. **Nature** 1987 Jul 23–29;328(6128):300
Catalysis of protein folding by prolyl isomerase. Lang K, et al. **Nature** 1987 Sep 17–23;329(6136):268–70
Cumulative effect of intragenic amino–acid replacements on the thermostability of a protein. Matsumura M, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):356–8
Protein folding. A case of mistaken identity [news] Pain RH. **Nature** 1987 Jul 23–29;328(6128):298
Protein structure. New light on old defects [news] Pain RH. **Nature** 1987 Mar 19–25;326(6110):247
Protein crystallography. Catching up with fast changes [news] Ringe D. **Nature** 1987 Sep 10–16;329(6135):102
Tests of the helix dipole model for stabilization of alpha–helices. Shoemaker KR, et al. **Nature** 1987 Apr 9–15; 326(6113):563–7
Selective emergence and survival of early polypeptides in water. Brack A. **Orig Life Evol Biosph** 1987;17(3–4):367–79
Extending circular dichroism spectra into the vacuum UV and its application to proteins. Johnson WC Jr. **Photochem Photobiol** 1986 Sep;44(3):307–13
The role of inductive effect in the determination of protein structure. Ling GN. **Physiol Chem Phys Med NMR** 1986; 18(1):3–16
Terbium luminescence–lifetime heterogeneity and protein equilibrium conformational dynamics. Austin RH, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1541–5
Temperature dependence of the hydrophobic interaction in protein folding. Baldwin RL. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8069–72
Monte Carlo simulations on an equilibrium globular protein folding model. Kolinski A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7267–71
Accessible surface areas as a measure of the thermodynamic parameters of hydration of peptides. Ooi T, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3086–90
Evaluation of methods for the prediction of membrane protein secondary structures. Wallace BA, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9423–7
Protein structure by solid–state NMR spectroscopy. Opella SJ, et al. **Q Rev Biophys** 1987 Feb;19(1–2):7–49 (95 ref.)
Loops in globular proteins: a novel category of secondary structure. Leszczynski JF. et al. **Science** 1986 Nov 14; 234(4778):849–55
Structural features of protein antigenic sites recognized by helper T cells: what makes a site immunodominant? Berzofsky JA. **Year Immunol** 1986;2:28–38 (46 ref.)
[Protein conformation and gene evolution] Go M. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):90–100 (47 ref.) **(Jpn)**
[Database of conformational elements of protein] Isogai Y, et al. **Tanpakushitsu Kakusan Koso** 1987 Apr;32(4):327–38 (35 ref.) **(Jpn)**
[Tertiary structure and molecular evolution of protein] Katsube Y. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):143–50 (36 ref.) **(Jpn)**
[Protein sequencing analysis by manual Edman degradation] Kobayashi R, et al. **Tanpakushitsu Kakusan Koso** 1986 Aug; 31(10):991–1002 **(Jpn)**
[Protein structure, evolution, and conformational change] Lesk AM, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):123–35 (23 ref.) **(Jpn)**
[Three–dimensional structures of proteins: archives, research and applications] Lesk AM, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):101–10 (25 ref.) **(Jpn)**
[Computer graphics representations of protein structures] Yasuoka N, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun; (29 Suppl):136–42 (20 ref.) **(Jpn)**
[A new type of secondary structure: mobile conformation of polypeptide chain. Data bank for protein structures] Adzhubei AA, et al. **Biofizika** 1987 Jan–Feb;32(1):159–61 (Eng. Abstr.) **(Rus)**
[Calculation of parameters of the phenomenological theory of helix–coil transition in polypeptides based on a microscopic model] Alrian ShA, et al. **Biofizika** 1987 May–Jun;32(3):394–7 (Eng. Abstr.) **(Rus)**
[Slowly relaxing conformation fluctuations in protein molecules] Deviatkov ND, et al. **Dokl Akad Nauk SSSR** 1987;293(2):469–72 **(Rus)**

DRUG EFFECTS

Effects of pH, temperature and Ca2+ content on the conformation of alpha–lactalbumin in a medium modelling physiological conditions. Permyakov EA, et al. **Gen Physiol Biophys** 1986 Aug;5(4):377–89
SDS denaturation of complement factor C3 as a model for allosteric modifications occurring during C3b binding: demonstration of a profound conformational change by means of circular dichroism and quantitative immunoprecipitation. Nilsson B, et al. **Immunol Lett** 1986 Aug;13(1–2):11–4

PROTEIN DEFICIENCY

see related
DIETARY PROTEINS

[Lipid composition of the placenta of rats with protein restriction and deficiency of essential fatty acids] Araya J, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):327–37 (Eng. Abstr.) **(Spa)**

BLOOD

Time course of changes in plasma concentrations of the growth related hormones during protein restriction in the domestic fowl (Gallus domesticus). Lauterio TJ, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):420–6

[Circulating red cell mass and growth velocity during recovery from severe protein deficiency in rats] Barrio Rendo ME, et al. **Medicina (B Aires)** 1985;45(6):659–62 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

The gut as a portal of entry for bacteremia. Role of protein malnutrition. Deitch EA, et al. **Ann Surg** 1987 Jun; 205(6):681–92

Saliva composition and caries development during protein deficiency and beta-receptor stimulation or inhibition. Johansson I, et al. **J Oral Pathol** 1987 Mar;16(3):145–9

Effects of protein deficiency on the teratogenicity of cytochalasins in mice. Singh J, et al. **Teratology** 1987 Feb; 35(1):87–93

[Schistosomiasis mansoni in experimentally malnourished mice] Magalhães LA, et al. **Rev Saude Publica** 1986 Oct; 20(5):362–8 (Eng. Abstr.) **(Por)**

CONGENITAL

[Congenital protein C deficiency and thromboembolic diseases] Schwieder G, et al. **Dtsch Med Wochenschr** 1987 Mar 13;112(11):425–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Evaluation of protein nutritional status [editorial] Rassin DK. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):7–9

DIET THERAPY

Nutritional rehabilitation of skeletal muscle in protein-deprived young rats. Oldfors A, et al. **J Neurol Sci** 1986 Sep;75(2):173–9

ENZYMOLOGY

Effects of low-protein diet and starvation on the activity of branched-chain 2-oxo acid dehydrogenase kinase in rat liver and heart. Espinal J, et al. **Biochem J** 1986 Jul 1; 237(1):285–8

ETIOLOGY

Protein deficiency in premature infants receiving parenteral nutrition. Shulman RJ, et al. **Am J Clin Nutr** 1986 Nov; 44(5):610–3

[Nutritional deterioration following gastric resection] Moral MV, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr; 34(2):126–30 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Mesenteric vein thrombosis as presenting manifestation of hereditary protein S deficiency. Broekmans AW, et al. **Gastroenterology** 1987 Jan;92(1):240–2

Treatment of hereditary protein C deficiency with stanozolol. Broekmans AW, et al. **Thromb Haemost** 1987 Feb 3; 57(1):20–4

[Effect of the type of nutrition and aflatoxin B1 on the structure of chromosomes] Sharmanov TSh, et al. **Vopr Pitan** 1986 Sep–Oct;(5):56–60 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The effect of methionine and protein deficiency in delaying expulsion of Nippostrongylus brasiliensis in the rat. Cummins AG, et al. **Am J Clin Nutr** 1986 Dec;44(6):857–62

Oral tolerance in protein-deprived mice. II. Evidence of normal 'gut processing' of ovalbumin, but suppressor cell deficiency, in deprived mice. Lamont AG, et al. **Immunology** 1987 Jul;61(3):339–43

Oral tolerance in protein-deprived mice. I. Profound antibody tolerance but impaired DTH tolerance after antigen feeding. Lamont AG, et al. **Immunology** 1987 Jul; 61(3):333–7

Effects of diet and genetics on Mycobacterium bovis BCG vaccine efficacy in inbred guinea pigs. Cohen MK, et al. **Infect Immun** 1987 Feb;55(2):314–9

Influence of aging and protein deficiency on neutrophil function. Lipschitz DA, et al. **J Gerontol** 1986 Nov; 41(6):690–4

[Effect of alimentary protein deficiency in the early postnatal period on the function of the immunocompetent system in rats] Volgarev MN, et al. **Vopr Pitan** 1986 Jul–Aug; (4):41–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects in rats of dietary protein inadequacy on lactose production, milk volume and components of the lactose synthetase complex (EC 2.4.1.22). Grimble RF, et al. **Ann Nutr Metab** 1987;31(3):179–84

Expression of c-myc oncogene in rat liver by a dietary manipulation. Horikawa S, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):574–80

Biosynthesis of a salivary bacteria-agglutinating glycoprotein in the rat during protein deficiency. Johansson I, et al. **Caries Res** 1987;21(1):7–14

Influence of copper and iron on subacute cadmium intoxication in protein-malnourished rats. Tewari PC, et al. **Environ Res** 1986 Oct;41(1):53–60

Relative and absolute changes in soluble and insoluble collagen pool size in skin during normal growth and with dietary protein restriction in rats. Molnar JA, et al. **Growth** 1987 Spring;51(1):132–45

The combined effects of protein deficiency and chronic ethanol administration on rat ethanol metabolism. Wilson JS, et al. **Hepatology** 1986 Sep–Oct;6(5):823–9

Effect of protein malnutrition on glycoprotein synthesis by testes of 20-day-old rats. Guaragna R, et al. **Int J Androl** 1986 Dec;9(6):467–76

Effect of protein depletion and short-term parenteral refeeding on the host response to interleukin 1 administration. Drabik MD, et al. **J Lab Clin Med** 1987 Apr;109(4):509–16

A comparison of the response of woodchucks and rats to variations in dietary lipotrope and protein content. Boyd JN, et al. **J Nutr** 1986 Oct;116(10):2044–54

Specific effects of weight loss, protein deficiency and energy deprivation on the water and electrolyte composition of young rats. Fiorotto ML, et al. **J Nutr** 1987 May; 117(5):933–40

Effect of protein malnutrition on glycoprotein synthesis in rat cerebral cortex slices during the period of brain growth spurt. Perry ML, et al. **J Nutr** 1986 Dec;116(12):2486–9

Low protein—high energy diet induces repressed transcription of albumin mRNA in rat liver. Sakuma K, et al. **J Nutr** 1987 Jun;117(6):1141–8

Protein deficiency alters rat pancreatic lipid composition. Wilson JS, et al. **J Nutr** 1986 Oct;116(10):2055–8

Differential effect of total food withdrawal and dietary protein restriction on brain content of free histidine in the rat. Enwonwu CO. **Neurochem Res** 1987 May;12(5):483–7

Effects of pre- and early postnatal protein malnutrition on carcass composition and lipoprotein lipase activity in male rats. Bartness TJ, et al. **Physiol Behav** 1987;39(6):721–6

[Effect of aluminum on the mechanical properties of hard tissues in experimental animals kept on protein-poor diets] Kóbor A, et al. **Fogorv Sz** 1987 Feb;80(2):40–5 (Eng. Abstr.) **(Hun)**

[Effect of calciferol-protein deficiency on the metabolism of bone collagen] Tazhibaev ShS, et al. **Vopr Pitan** 1986 Sep–Oct;(5):34–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Cerebellar foliation in rats. 5. Structural relations between Purkinje cells and heterotopic external granular layer in normal and protein deprived foetal rats. Conradi NG. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):219–23

Ethanol-induced cytoskeletal dysgenesis with dietary protein manipulations. Adickes ED, et al. **Alcohol Alcohol** 1986; 21(4):347–55

Dendritic development in the neocortex of adult rats following a maintained prenatal and/or early postnatal life undernutrition. Cordero ME, et al. **Early Hum Dev** 1986 Dec;14(3–4):245–58

PHYSIOPATHOLOGY

Functional development of the visual system in normal and protein-deprived rats. V. Specific cortical response and repetitive stimulation in adult rats. Sjöström A, et al. **Acta Physiol Scand** 1987 Aug;130(4):705–11

Functional development of the visual system in normal and protein-deprived rats. IV. Latencies in the specific visual pathway of adult rats. Sjöström A, et al. **Acta Physiol Scand** 1987 Aug;130(4):695–703

Functional development of the visual system in normal and protein-deprived rats. VI. Evoked responses in adult rats, protein deprived in early life and nutritionally rehabilitated from weaning. Sjöström A, et al. **Acta Physiol Scand** 1987 Aug;130(4):713–21

Prenatal protein malnutrition affects synaptic potentiation in the dentate gyrus of rats in adulthood. Austin KB, et al. **Brain Res** 1986 Oct;394(2):267–73

Effect of protein malnutrition on hippocampal kindling: electrographic and behavioral measures. Bronzino JD, et al. **Brain Res** 1986 Oct 8;384(2):348–54

Effect of norethisterone enanthate on intestinal digestive and absorptive functions in protein deficient rat. Nagpaul JP, et al. **Indian J Gastroenterol** 1987 Jan;6(1):39–41

Does nutrition affect surgical outcome? Cooper JK. **J Am Geriatr Soc** 1987 Mar;35(3):229–32

Effects of undernutrition during suckling on phosphoryl-serine levels in brain nuclear proteins of adult rats. Salbego C, et al. **J Nutr** 1986 Nov;116(11):2303–10

Effect of thyroxine injection on bone growth in malnourished rats at different growth stages. Kanagawa Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):55–62

Perinatal undernutrition alters hypothermic responses to different central agonists in recovered adult rats. Brioni JD, et al. **Neuropharmacology** 1987 Jul;26(7A):771–4

Protein deprivation from the neonatal period impairs lung development in the rat. Kalenga M, et al. **Pediatr Res** 1987 Jul;22(1):45–9

Maternal malnutrition in the rat: effects on food intake and body weight. Kanarek RB, et al. **Physiol Behav** 1986 Oct; 38(4):509–15

Protein malnutrition of the lactating female rat: effect on maternal behaviour and spontaneous weaning of young rats. Babický A, et al. **Physiol Bohemoslov** 1986; 35(5):456–63

PSYCHOLOGY

Severe early malnutrition and DRL performance in the rat. Finger S, et al. **Physiol Behav** 1986;38(5):731–4

Behavioral effects of severe and moderate early malnutrition. Wolf C, et al. **Physiol Behav** 1986;38(5):725–30

VETERINARY

Undernutrition in sheep. Nitrogen repletion by N-depleted sheep. Hovell FD, et al. **Br J Nutr** 1987 Jan;57(1):77–88

Effect of protein starvation on protein turnover in liver, oviduct and whole body of laying hens. Muramatsu T, et al. **Comp Biochem Physiol [B]** 1987;87(2):227–32

[Pathogenesis of upper respiratory viral infection in protein deficient chickens] Ukai K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Sep;89(9):1172–8 (Eng. Abstr.) **(Jpn)**

PROTEIN DENATURATION

Nanosecond time-resolved fluorescence measurements during protein denaturation. Walbridge DG, et al. **Anal Biochem** 1987 Mar;161(2):467–78

The quantitative comparison of the effects of denaturants on the stability of proteins. Thomson JA, et al. **Biochem Cell Biol** 1986 Oct;64(10):993–8

Elution-band relaxation method. A method to analyze isomerization kinetics by HPLC and application to protein denaturation-renaturation. Hanai R, et al. **Biophys Chem** 1986 Nov;25(1):27–36

Thermal denaturation of globular proteins. Fourier transform-infrared studies of the amide III spectral region. Anderle G, et al. **Biophys J** 1987 Jul;52(1):69–74

Selective binding and solvent denaturation. Schellman JA. **Biopolymers** 1987 Apr;26(4):549–59

Acid-induced changes of brain protein buffering. Kraig RP, et al. **Brain Res** 1987 May 5;410(2):390–4

Hyperthermia-induced inhibition of respiration and mitochondrial protein denaturation in CHL cells. Lepock JR, et al. **Int J Hyperthermia** 1987 Mar–Apr;3(2):123–32

Determination and analysis of urea and guanidine hydrochloride denaturation curves. Pace CN. **Methods Enzymol** 1986;131:266–80

[Use of potassium ferrate as an orthophosphate analog in the modification of the active centers of proteins] Steczko J. **Postepy Biochem** 1985;31(3–4):569–84 (51 ref.) **(Pol)**

PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE) see under **OXIDOREDUCTASES**

PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE

Covalent attachment of oligosaccharide-asparagine derivatives: incorporation into glutamine residues with the enzyme transglutaminase. Yan SB. **Methods Enzymol** 1987; 138:413–8

ANALYSIS

Alterations in ornithine decarboxylase and transglutaminase activities in lymphocytes from untreated patients with chronic lymphocytic leukemia. Vanella A, et al. **Acta Haematol (Basel)** 1986;76(1):33–6

Quantitation of tissue transglutaminase by a sandwich ELISA system. Fesus L, et al. **J Immunol Methods** 1986 Nov 20; 94(1–2):131–6

ANTAGONISTS & INHIBITORS

Characterization of two distinct transglutaminases of murine bone marrow-derived macrophages: effects of exposure of viable cells to cigarette smoke on enzyme activity. Roth WJ, et al. **J Leukocyte Biol** 1987 Jul;42(1):9–20

BIOSYNTHESIS

Induction of cellular transglutaminase biosynthesis by sodium butyrate. Lee KN, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):22–8

Induction of keratinocyte type-I transglutaminase in epithelial cells of the rat. Parenteau NL, et al. **Differentiation** 1986;33(2):130–41

Pertussis toxin inhibits retinoic acid-induced expression of tissue transglutaminase in macrophages. Johnson JD, et al. **J Biol Chem** 1986 Nov 15;261(32):14982–6

BLOOD

The transglutaminase in vascular cells and tissues could provide an alternate pathway for fibrin stabilization. Greenberg CS, et al. **Blood** 1987 Sep;70(3):702–9

Lymphocyte transglutaminase function may be impaired in type 2 diabetes mellitus. Berntorp E, et al. **Diabetes Res** 1987 May;5(1):29–33

gamma-Glutamyltransferase in the newborn. Cartlidge PH, et al. **Early Hum Dev** 1987 Jul;15(4):213–6

Purification of human erythrocyte transglutaminase by immunoaffinity chromatography. Lee KN, et al. **Prep Biochem** 1986;16(4):321–35

ISOLATION & PURIFICATION

Solubilization and properties of the liver plasma membrane transglutaminase. Slife CW, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):39–47

Properties of partially purified mouse epidermal transglutaminase. Nakayama J, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):448–55

METABOLISM

Role of transglutaminase in proinsulin conversion and insulin release. Gomis R, et al. **Adv Exp Med Biol** 1986;211:443–6

Cartilage fucoproteins with sites for cross-linking by transglutaminase. Bowness JM. **Biochem Cell Biol** 1987 Apr;65(4):280–5

Lipids associated with tissue transglutaminase. Harsfalvi J, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):42–5

Sperm maturation in human semen: role of transglutaminase-mediated reactions. Porta R, et al. **Biol Reprod** 1986 Nov;35(4):965–70

Transglutaminase activity in bovine calf testicular membranes: evidence for a possible role in the interaction of follicle-stimulating hormone with its receptor. Grasso P, et al. **Endocrinology** 1987 Aug;121(2):459–65

Transglutaminase activity and embryonal carcinoma cell differentiation. Uhl L, et al. **Exp Cell Biol** 1987;55(1):28–33

Modulation of transglutaminase activity in mononuclear phagocytes and macrophage-like tumor cell lines by differentiation agents. Goldman R. **Exp Cell Res** 1987 Jan; 168(1):31–43

Transglutaminase (TG) involvement in early embryogenesis. Maccioni RB, et al. **Exp Cell Res** 1986 Nov;167(1):266–70

Beta B1 crystallin is an amine-donor substrate for tissue transglutaminase. Mulders JW, et al. **Exp Cell Res** 1987 Aug;171(2):296–305

Generation of drug metabolite antigenicity in the intestinal mucosa. Wu C, et al. **Immunopharmacology** 1986 Aug; 12(1):53–8

Identification of a guanosine triphosphate-binding site on guinea pig liver transglutaminase. Role of GTP and calcium ions in modulating activity. Achyuthan KE, et al. **J Biol Chem** 1987 Feb 5;262(4):1901–6

Identification of a substrate site for liver transglutaminase on the aminopropeptide of type III collagen. Bowness JM, et al. **J Biol Chem** 1987 Jan 25;262(3):1022–4

Two types of transglutaminase in the PC12 pheochromocytoma cell line. Stimulation by sodium butyrate. Byrd JC, et al. **J Biol Chem** 1987 Aug 25; 262(24):11699–705

Characterization of transglutaminase activity in rabbit tracheal epithelial cells. Regulation by retinoids. Jetten AM, et al. **J Biol Chem** 1986 Nov 15;261(32):15097–101

Characterization of thrombospondin as a substrate for factor XIII transglutaminase. Lynch GW, et al. **J Biol Chem** 1987 Feb 5;262(4):1772–8

Localization of a liver transglutaminase and a large molecular weight transglutaminase substrate to a distinct plasma membrane domain. Tyrrell DJ, et al. **J Biol Chem** 1986 Nov 5;261(31):14833–6

Intracellular distribution of active and inactive transglutaminase in stimulated cultured C6 glioma cells. Korner G, et al. **J Cell Physiol** 1987 Jan;130(1):44–50

Induction of tissue transglutaminase in human peripheral blood monocytes by intracellular delivery of retinoids. Metha K, et al. **J Leukocyte Biol** 1987 Apr;41(4):341–8

[Transglutaminase in the swine lens] Yoshida H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1695–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Suppression of macrophage cytostatic activation by serum retinoids: a possible role for transglutaminase. Mehta K, et al. **J Immunol** 1987 Jun 1;138(11):3902–6

PROTEIN HYBRIDIZATION

Protective immunogenicity and T lymphocyte specificity of a trivalent hybrid peptide containing NH2-terminal sequences of types 5, 6, and 24 M proteins synthesized in tandem. Beachey EH, et al. **J Exp Med** 1987 Sep 1; 166(3):647–56

Differential expression of mouse beta/goat beta c, mouse beta/goat beta F, and mouse beta/goat epsilon II hybrid globin genes in murine erythroleukemia cells. Kerlakian CB, et al. **Mol Cell Biol** 1986 Nov;6(11):3873–83

PROTEIN HYDROLYSATES

Development of an enzymatic fish hydrolysate and its use in instant soup bases. Gálvez A, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):686–95

Peptides as substitute osmotic agents for glucose in peritoneal dialysate. Klein E, et al. **ASAIO Trans** 1986 Jul–Sep; 32(1):550–3

Age and biochemical status predict preference for casein hydrolysate. Murphy C, et al. **J Gerontol** 1987 Jan; 42(1):73–7

Supplementation of pooled human milk with casein hydrolysate: energy and nitrogen balance and weight gain composition in very low birth weight infants. Putet G, et al. **Pediatr Res** 1987 May;21(5):458–61

[Functional properties and possible uses of a hydrolysate of pepitona (Arca zebra) in the preparation of foods] Arbej J, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):677–85 (Eng. Abstr.) **(Spa)**

[Determination of processing conditions for obtaining a pepitona (Arca zebra) hydrolysate for human consumption] Baixeras S, et al. **Arch Latinoam Nutr** 1985 Dec; 35(4):666–76 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

[Normalization of the immunologic reactivity of student skiers with a protein preparation] Chogovadze AV, et al. **Vopr Pitan** 1986 Sep–Oct;(5):26–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

High-performance liquid chromatographic determination of enantiomeric amino acids and amino alcohols after derivatization with o-phthaldialdehyde and various chiral mercaptans. Application to peptide hydrolysates. Buck RH, et al. **J Chromatogr** 1987 Jan 30;387:255–65

Capillary gas chromatographic analysis of amino acids in blood and protein hydrolysates as tert.-butyldimethylsilyl derivatives. Early RJ, et al. **J Chromatogr** 1987 Apr 24; 416(1):15–23

[Isolation, amino acid composition and type of action of gastric secretion inhibitors derived from k-casein] Stan Ela, et al. **Vopr Med Khim** 1986 Sep–Oct;32(5):98–102 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of severely alkali-treated casein on gastrointestinal transit and selected intestinal enzyme activities. Possompes B, et al. **Adv Exp Med Biol** 1986;199:517–30

[Cultivation of cells in a medium with blood hydrolysate] Veleva E, et al. **Vet Med Nauki** 1987;24(4):37–42 (Eng. Abstr.) **(Bul)**

[Features of the digestion and absorption of the protein of natural products after preliminary enzymatic hydrolysis] Kostiuchenko LN. **Fiziol Zh SSSR** 1986 Aug;72(8):1131–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inactivation of metalloenzymes by lysinoalanine, phenylethylaminoalanine, alkali-treated food proteins, and sulfur amino acids. Friedman M, et al. **Adv Exp Med Biol** 1986;199:531–60

[The role of the adenylate cyclase system in the inhibition of gastric secretion by products of limited hydrolysis of kappa-casein] Alelnik SI, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):390–2 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of the hydrolytic state of dietary protein on post-irradiation morbidity and mucosal cell regeneration [published erratum appears in Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1267] Beitler MK, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):385–91

Usefulness of immunomodulating agents [letter] Rochemaure J, et al. **Lancet** 1987 Jul 11;2(8550):101

[Parenteral feeding with protein hydrolysates in the combined therapy of burns] Klimenko LA. **Klin Khir** 1987; (3):27–9 (Eng. Abstr.) **(Rus)**

PROTEIN KINASE C

ANALYSIS

Immunochemical characterization of protein kinase C in rat liver nuclei and subnuclear fractions. Capitani S, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):367–75

Conversion of protein kinase C from a Ca2+-dependent to an independent form of phorbol ester-binding protein by digestion with trypsin. Huang KP, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):320–6

Lack of direct effect of 2,3,7,8-tetrachlorodibenzo-P-dioxin (TCDD) on protein kinase C activity in EL4 cells. Kramer CM, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):267–72

Rapid dephosphorylation of a Mr 80,000 protein, a specific substrate of protein kinase C upon removal of phorbol esters, bombesin and vasopressin. Rodriguez-Pena A, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):379–85

Phorbol esters down-regulate protein kinase C in rat brain cerebral cortical slices. Shenolikar S, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):251–8

In-vitro modulation of protein kinase C activity by environmental chemical pollutants. Shukla RR, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):567–72

Protein kinase C from small intestine epithelial cells. Velasco G, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):875–82

Altered levels of protein kinase C and Ca2+-dependent protein kinases in human colon carcinomas. Guillem JG, et al. **Cancer Res** 1987 Apr 15;47(8):2036–9

Absence of protein kinase C in nuclei of EL4 mouse thymoma cells. Jensen DE, et al. **Cancer Res** 1987 Jul 15; 47(14):3868–72

Lipoprotein modulation of the intracellular localization of protein kinase C and alteration of phorbol ester-stimulated differentiation in the human monoblastic U937 cell line. Ways DK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6049–53

Characterization of calcium-activated, phospholipid-dependent protein kinase from rat serosal mast cells and RBL-1 cells. Kurosawa M, et al. **Cell Immunol** 1986 Dec;103(2):381–93

Interleukin 1 and protein kinase C activator are dissimilar in their effects on Il-2 receptor expression and Il-2 secretion by T lymphocytes. Truneh A, et al. **Cell Immunol** 1986 Dec;103(2):365–74

Immunological quantitation of phospholipid/Ca2+-dependent protein kinase of human mammary carcinoma cells: inverse relationship to estrogen receptors. Borner C, et al. **Int J Cancer** 1987 Sep 15; 40(3):344–8

Decreased protein kinase C activity in psoriatic versus normal epidermis. Horn F, et al. **J Invest Dermatol** 1987 Feb; 88(2):220–2

Monoclonal antibodies against rat brain protein kinase C and their application to immunocytochemistry in nervous tissues. Kitano T, et al. **J Neurosci** 1987 May;7(5):1520–5

Cysteine-rich regions conserved in amino-terminal halves of raf gene family products and protein kinase C. Ishikawa F, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1183–7

Retinoic acid promotes phorbol ester-initiated macrophage differentiation in HL-60 leukemia cells without disappearance of protein kinase C. Zylber-Katz E, et al. **Leuk Res** 1986;10(12):1425–32

Isozymic forms of rat brain Ca2+-activated and phospholipid-dependent protein kinase. Huang KP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8535–9

all-trans-Retinal stimulates superoxide release and phospholipase C activity in neutrophils without significantly blocking protein kinase C. Lochner JE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7673–7

Distinct cellular and regional localization of immunoreactive protein kinase C in rat brain. Mochly-Rosen D, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4660–4

ANTAGONISTS & INHIBITORS

The protein kinase C inhibitor H-7, inhibits antigen and IL-2-induced proliferation of murine T cell lines. Clark RB, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):666–72

Phosphatidyl inositol inhibition of a sperm cyclic AMP-independent protein kinase. Dey CS, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):422–9

K-252 compounds, novel and potent inhibitors of protein kinase C and cyclic nucleotide-dependent protein kinases. Kase H, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):436–40

Inhibitors of protein kinase C block activation of B lymphocytes by bacterial lipopolysaccharide. Rush JS, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1315–20

Effects of the protein kinase C inhibitor H-7 and calmodulin antagonist W-7 on superoxide production in growing and resting human histiocytic leukemia cells (U937). Shibanuma M, et al. **Biochem Biophys Res Commun** 1987 May 14; 144(3):1317–23

Inhibition of protein kinase C from polymorphonuclear neutrophils by long chain acyl coenzyme A and counteraction by Mg-ATP. Stasia MJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):428–36

Specific inhibition of phorbol ester and DiC8-induced histamine release from human basophils by the protein kinase C inhibitors, H-7 and H-9. Thueson DO, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):732–40

K252a, a new inhibitor of protein kinase C, concomitantly inhibits 40K protein phosphorylation and serotonin secretion in a phorbol ester-stimulated platelets. Yamada K, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):35–40

Properties and distribution of the protein inhibitor (Mr 17,000) of protein kinase C. McDonald JR, et al. **Biochem J** 1987 Mar 15;242(3):695–705

Inhibition of neutrophil superoxide formation by 1-(5-isoquinolinesulfonyl)-2-methylpiperazine (H-7), and inhibitor of protein kinase-C. Fujita I, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4555–62

Inhibition of protein kinase C mediated signal transduction by tamoxifen. Importance for antitumour activity. Horgan K, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4465–5

Cromolyn inhibition of protein kinase C activity. Lucas AM, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):562–5

In vitro inhibition of rat brain protein kinase C by rhodamine 6G. Profound effects of the lipid cofactor on the inhibition of the enzyme. O'Brian CA, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1231–5

Comparison of S100b protein with calmodulin: interactions with melittin and microtubule-associated tau proteins and inhibition of phosphorylation of tau proteins by protein kinase C. Baudier J, et al. **Biochemistry** 1987 May 19; 26(10):2886–93

Effect of kinase C inhibitor, gossypol, on the actions of prolactin in cultured mouse mammary tissues. Etindi RN, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):345–9

Interaction of calmodulin inhibitors and protein kinase C inhibitors with voltage-dependent calcium channels. Greenberg DA, et al. **Brain Res** 1987 Feb 24;404(1-2):401–4

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-mediated epidermal ornithine decarboxylase induction and skin

tumor promotion by new lipoxygenase inhibitors lacking protein kinase C inhibitory effects. Aizu E, et al. **Carcinogenesis** 1986 Nov;7(11):1809–12

The regulation of protein kinase C by chenodeoxycholate, deoxycholate and several structurally related bile acids. Fitzer CJ, et al. **Carcinogenesis** 1987 Feb;8(2):217–20

Inhibitors of protein kinase C block the alpha 1-adrenergic refractoriness induced by phorbol 12-myristate 13-acetate, vasopressin and angiotensin II. García-Sáinz JA, et al. **Eur J Biochem** 1987 Mar 2;163(2):417–21

Inhibition of proto-oncogene c-fos transcription by inhibitors of protein kinase C and ion transport. Shibanuma M, et al. **Eur J Biochem** 1987 Apr 1;164(1):15–9

The in vitro characterization of the inhibition of mouse brain protein kinase-C by retinoids and their receptors. Cope FO, et al. **Experientia** 1986 Sep 15;42(9):1023–7

Inhibition of induced acute lung edema by a novel protein kinase C inhibitor. Struhar D, et al. **FASEB J** 1987 Aug; 1(2):116–8

A 40 kDa inhibitor of protein kinase C purified from bovine brain. Hucho F, et al. **FEBS Lett** 1987 Jan 26;211(2):207–10

K-252a, a potent inhibitor of protein kinase C from microbial origin. Kase H, et al. **J Antibiot (Tokyo)** 1986 Aug; 39(8):1059–65

K-252b, c and d, potent inhibitors of protein kinase C from microbial origin. Nakanishi S, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1066–71

The structures of the novel protein kinase C inhibitors K-252a, b, c and d. Yasuzawa T, et al. **J Antibiot (Tokyo)** 1986 Aug;39(8):1072–8

The effect of a protein kinase C inhibitor, H-7, on human neutrophil oxidative burst and degranulation. Berkow RL, et al. **J Leukocyte Biol** 1987 May;41(5):441–6

Inhibition of biological actions of 12-O-tetradecanoylphorbol-13-acetate by inhibitors of protein kinase C. Tanaka K, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1107–13

An inhibitor of protein kinase C, 1-(5-isoquinolinylsulfonyl)-2-methylpiperazine(H-7) inhibits TPA-induced reduction of vincristine uptake from P388 murine leukemic cell. Ido M, et al. **Leuk Res** 1986; 10(9):1063–9

Polymyxin B, a selective inhibitor of protein kinase C, diminishes the release of noradrenaline and the enhancement of release caused by phorbol 12,13-butyrate. Allgaier C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):218–21

Pharmacology of calmodulin and kinase C antagonists. Hidaka H. **Proc West Pharmacol Soc** 1986;29:187–9

Lysosphingolipids inhibit protein kinase C: implications for the sphingolipidoses. Hannun YA, et al. **Science** 1987 Feb 6;235(4789):670–4

BIOSYNTHESIS

Hormonal regulation of protein kinase C in the mouse mammary gland. Holladay CS, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):343–7

BLOOD

Inhibition of adenylate cyclase by IL 2 in human T lymphocytes is mediated by protein kinase C. Beckner SK, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):176–82

Calcium transients in human platelets monitored by aequorin, fura-2 and quin-2: effects of protein kinase C activation and inhibition. Erne P, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):66–72

Features of the translocation of protein kinase C in neutrophils stimulated with the chemotactic peptide f-Met-Leu-Phe. Horn W, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1169–75

Increased membrane-associated phorbol-12,13 dibutyrate (PDBu) receptor function in sickle red cells. Ramachandran M, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):56–64

Protein kinase C activity in platelets from spontaneously hypertensive rats (SHR) and normotensive Wistar Kyoto rats (WKY). Takaori K, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):769–73

Induction of the 47 kDa platelet substrate of protein kinase C during differentiation of HL-60 cells. Tyers M, et al. **Biochem J** 1987 Apr 1;243(1):249–53

Immunocytochemical localization of protein kinase C in resting and activated human neutrophils. Deli E, et al. **FEBS Lett** 1987 Sep 14;221(2):365–9

Protein kinase C regulates leukotriene B4 receptors in human neutrophils. O'Flaherty JT, et al. **FEBS Lett** 1986 Oct 6; 206(2):279–82

Priming of the respiratory burst of neutrophils by diacylglycerol. Independence from activation or translocation of protein kinase C. Bass DA, et al. **J Biol Chem** 1987 May 15;262(14):6643–9

Sequence of the sites phosphorylated by protein kinase C in the smooth muscle myosin light chain. Bengur AR, et al. **J Biol Chem** 1987 Jun 5;262(16):7613–7

Signal transduction in human monocytes: relationship between superoxide production and the level of kinase C in the membrane. Costa-Casnellie MR, et al. **J Cell Physiol** 1986 Dec;129(3):336–42

Phosphorylation and proteolytic modification of specific cytoskeletal proteins in human neutrophils stimulated by phorbol 12-myristate 13-acetate. Pontremoli S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3604–8

Phosphorylation by protein kinase C of a 20-kDa cytoskeletal polypeptide enhances its susceptibility to digestion by calpain. Pontremoli S, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):398–401

Protein kinase C and platelets. Hidaka H, et al. **Rev Clin Basic Pharm** 1985 Jul-Dec;5(3-4):235–325 (113 ref.)

A rapid preparation of human platelet calcium-activated phospholipid-dependent protein kinase. Salama SE. **Thromb Res** 1986 Dec 1;44(5):649–60

The first seconds of neutrophil activation: phosphoinositides, protein kinase C, and calcium movements. Korchak HM, et al. **Trans Assoc Am Physicians** 1985;98:224–32

Diacylglycerol activates protein kinase C and modulates oxidative metabolism in human neutrophils. McCall CE, et al. **Trans Assoc Am Physicians** 1985;98:253–68

[Erythrocyte membrane phosphorylation in rats with spontaneous hypertension as affected by protein kinase C activator] Gulak PV, et al. **Kardiologiia** 1987 Apr; 27(4):89–92 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Stimulation of epidermal growth factor receptor threonine 654 phosphorylation by platelet-derived growth factor in protein kinase C-deficient human fibroblasts. Davis RJ, et al. **J Biol Chem** 1987 May 15;262(14):6832–41

GENETICS

Distinct patterns of expression of different protein kinase C mRNAs in rat tissues. Brandt SJ, et al. **Cell** 1987 Apr 10; 49(1):57–63

Protein kinases in cellular signal transduction: tyrosine kinase growth factor receptors and protein kinase C. Ullrich A, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:713–24

Structure and nucleotide sequence of a Drosophila melanogaster protein kinase C gene. Rosenthal A, et al. **EMBO J** 1987 Feb;6(2):433–41

Two types of complementary DNAs of rat brain protein kinase C. Heterogeneity determined by alternative splicing. Ono Y, et al. **FEBS Lett** 1986 Oct 6;206(2):347–52

A cDNA encoding protein kinase C identifies two species of mRNA in brain and GH3 cells. Makowske M, et al. **J Biol Chem** 1986 Oct 15;261(29):13389–92

Protein kinase Cs. Coping with a growing family [news] Carpenter D, et al. **Nature** 1987 Jan 8-14;325(7000):107–8

Isolation of cDNA clones encoding protein kinase C: evidence for a protein kinase C-related gene family. Housey GM, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):1065–9

Altered protein kinase C in a mast cell variant defective in exocytosis. Mazurek N, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1277–81

Expression and properties of two types of protein kinase C: alternative splicing from a single gene. Ono Y, et al. **Science** 1987 May 29;236(4805):1116–20

IMMUNOLOGY

Cross-reaction of a plant protein kinase with antiserum raised against a sequence from bovine brain protein kinase C regulatory sub-unit. Elliott DC, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1043–7

ISOLATION & PURIFICATION

A three-step purification procedure for protein kinase C: characterization of the purified enzyme. Walton GM, et al. **Anal Biochem** 1987 Mar;161(2):425–37

Rapid purification and properties of protein kinase C from bovine adrenal medulla. Brocklehurst KW, et al. **Biosci Rep** 1986 Aug;6(8):749–57

Rapid purification of protein kinase C from rat brain. A novel method employing protamine-agarose affinity column chromatography. Wooten MW, et al. **Eur J Biochem** 1987 Apr 15;164(2):461–7

Identification of the structures of multiple subspecies of protein kinase C expressed in rat brain. Kikkawa U, et al. **FEBS Lett** 1987 Jun 15;217(2):227–31

Association of calpains 1 and 2 with protein kinase C activities. Savart M, et al. **FEBS Lett** 1987 May 25; 216(1):22–6

Isolation and characterization of two distinct forms of protein kinase C. Woodgett JR, et al. **J Biol Chem** 1987 Apr 5; 262(10):4836–43

Protein kinase C purification by high-performance liquid chromatography: an improved method. Go M, et al. **Methods Enzymol** 1987;141:424–8

Immunological evidence for two physiological forms of protein kinase C. Woodgett JR, et al. **Mol Cell Biol** 1987 Jan;7(1):85–96

Purification and characterization of three types of protein kinase C from rabbit brain cytosol. Jaken S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4418–22

METABOLISM

Modulation of the substrate specificity of purified human protein kinase C by its activators. Hansson A, et al. **Acta Chem Scand [B]** 1987 Mar;41(3):174–9

Differential effect of ganglioside GM1 on rat brain phosphoproteins: potentiation and inhibition of protein phosphorylation regulated by calcium/calmodulin and calcium/phospholipid-dependent protein kinases. Cimino M, et al. **Acta Physiol Scand** 1987 Jun;130(2):317–25

Phospholipid/calcium-dependent protein kinase (protein kinase C) system: a major site of bioregulation. Kuo JF, et al. **Adv Enzyme Regul** 1986;25:387–400

Phorbol esters induce a slow, non-cytotoxic release of histamine from rat peritoneal mast cells. Cantwell ME, et al. **Agents Actions** 1987 Apr;20(3-4):165–8

Activation of protein kinase C potentiates norepinephrine release from sinus node. Shuntoh H, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C833–40

Inositol phospholipid turnover and protein phosphorylation in secretory responses. Go M, et al. **Ann NY Acad Sci** 1987; 493:552–62

The role of protein kinase C in transmembrane signalling. Kikkawa U, et al. **Annu Rev Cell Biol** 1986;2:149–78 (277 ref.)

Calcium . calmodulin-dependent protein kinase II and calcium . phospholipid-dependent protein kinase activities in rat tissues assayed with a synthetic peptide. Hashimoto Y, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):418–25

Phosphorylation of human fibrinogen in vitro with protein kinase C: characterization of the phosphorylated sites. Heldin P, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):49–59

Role of protein kinase C in the regulation of rat liver glycogen synthase. Nakabayashi H, et al. **Arch Biochem Biophys** 1987 Jan;252(1):81–90

Phosphorylation of soluble pig epidermal proteins by endogenous calcium-activated, phospholipid-dependent protein kinase. Koizumi H, et al. **Arch Dermatol Res** 1986; 279(2):95–9

Effects of 12-o-tetradecanoylphorbol-13-acetate and polyprenoic acid derivative on calcium-activated phospholipid-dependent protein kinase of pig skin. Koizumi H, et al. **Arch Dermatol Res** 1986;279(1):50–3

Possible involvement of protein kinase C in platelet-derived growth factor-stimulated DNA synthesis in vascular smooth muscle cells. Kariya KI, et al. **Atherosclerosis** 1987 Feb;63(2-3):251–5

Substrate-specific stimulation of protein kinase C by polyvalent anion. Bazzi MD, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):248–53

Synthetic segments of the mammalian beta AR are preferentially recognized by cAMP-dependent protein kinase and protein kinase C. Blake AD, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):168–73

A 16 kDa protein substrate for protein kinase C and its phosphorylation upon stimulation of vasopressin receptors in rat aortic myocytes. Boulanger-Saunier C, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):517–24

Evidence that bacteria induce translocation of protein kinase C activity in human polymorphonuclear leukocytes. Christiansen NO, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):787–93

Protein kinase C phosphorylates leukemia RNA polymerase II. Chuang LF, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1376–83

Cyclosporin A inhibits kinase C-independent activation of the Na+/H+ exchanger by PDGF and vanadate. Daniel TO, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):111–7

TPA induces subcellular translocation and subsequent down-regulation of both phorbol ester binding and protein kinase C activities in MCF-7 cells. Darbon JM, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):537–46

Protein kinase C and meiotic maturation of surf clam oocytes. Dubé F, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1072–6

Translocation of protein kinase C is not required to inhibit the antigen-induced increase of cytosolic calcium in a mast cell line. Erne P, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):252–9

Activation of protein kinase C down-regulates IFN-gamma receptors. Fassio A, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):337–44

Phosphorylation of protamines by protein kinase C: involvement of sites which are phosphorylated in vivo and are not affected by cAMP-dependent protein kinase. Ferrari S, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1324–31

Down-regulation of protein kinase C in rat glioma C6 cells: effects on the beta-adrenergic receptor-coupled adenylate cyclase. Fishman PH, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):620–7

Further studies on the specificity of diacylglycerol for protein kinase C activation. Go M, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):598–605

Regulation of membrane associated protein kinase C activity by guanine nucleotide in rabbit peritoneal neutrophils. Huang CK, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):242–50

Redistribution of protein kinase C in pancreatic acinar cells stimulated with caerulein or carbachol. Ishizuka T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):551–9

Phosphorylation of ras oncogene product by protein kinase C. Jeng AY, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):782–8

Phosphorylation of lipocortins in vitro by protein kinase C.

Khanna NC, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):547–54

Comparative effects of polymyxin B, phorbol ester and bryostatin on protein phosphorylation, protein kinase C translocation, phospholipid metabolism and differentiation of HL60 cells. Kiss Z, et al.
Biochem Biophys Res Commun 1987 Jul 15;146(1):208–15

Phosphorylation by protein kinase C of a synthetic heptapeptide bearing a lysine residue on the C terminal side of serine. Kondo H, et al.
Biochem Biophys Res Commun 1987 Jan 15;142(1):155–61

Calcium–dependent phosphorylation of the amphibian oocyte plasma membrane: an early event in initiating the meiotic divisions. Kostellow AB, et al.
Biochem Biophys Res Commun 1987 Sep 15;147(2):863–9

Characterization of protein kinase C from normal and transformed cultured murine fibroblasts. McCaffrey PG, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):140–6

Strain–specific postnatal changes in the activity and tissue levels of protein kinase C. Malkinson AM, et al.
Biochem Biophys Res Commun 1987 Jun 15;145(2):733–9

Interferon inhibition of DNA synthesis in Swiss 3T3 cells: dissociation from protein kinase C activation. Mehmet H, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1026–32

The lipophilic muramyltripeptide MTP–PE, a biological response modifier, is an activator of protein kinase C. Meyer T, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1043–50

Protein kinase C binding to isolated nuclei and its activation by a Ca2+/phospholipid–independent mechanism. Misra UK, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):760–8

Stimulation of leucine transport by a phorbol ester through activation of protein kinase C and Na+/H+ exchanger. Mitsumoto Y, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):900–6

Redistribution of phospholipid/Ca2+–dependent protein kinase in mast cells activated by various agonists. Nagao S, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):645–53

Up and down regulation of serine esterase release from mouse cytotoxic T lymphocytes by tumor–promoting phorbol ester. Nishimura T, et al.
Biochem Biophys Res Commun 1987 Aug 14;146(3):1262–9

Concanavalin A prevents phorbol–mediated redistribution of protein kinase C and beta–adrenergic receptors in rat glioma C6 cells. Patel J, et al.
Biochem Biophys Res Commun 1987 May 14;144(3):1265–72

A single form of protein kinase C is expressed in bovine adrenocortical tissue, as compared to four chromatographically resolved isozymes in rat brain. Pelosin JM, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):382–91

Insulin–dependent alterations of phorbol ester binding to adipocyte subcellular constituents. Evidence for the involvement of protein kinase C in insulin action. Pershadsingh HA, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1384–9

A possible role of protein kinase C in regulating prostaglandin synthesis of mouse peritoneal macrophages. Pfannkuche HJ, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):604–11

Protein kinase C stimulation increases the transforming ability of the polyoma virus middle T antigen. Raptis L, et al.
Biochem Biophys Res Commun 1986 Nov 14;140(3):1106–12

Tumor promoter chloroform is a potent protein kinase C activator. Roghani M, et al.
Biochem Biophys Res Commun 1987 Feb 13;142(3):738–44

Differential effects of protein kinase C activators on carbamylcholine– and high K+–induced rises in intracellular free calcium concentration in cultured adrenal chromaffin cells. Sasakawa N, et al.
Biochem Biophys Res Commun 1986 Sep 30;139(3):903–9

Rapid modulation of tumor necrosis factor membrane receptors by activators of protein kinase C. Scheurich P, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):855–60

Three distinct forms of rat brain protein kinase C: differential response to unsaturated fatty acids. Sekiguchi K, et al.
Biochem Biophys Res Commun 1987 Jun 15;145(2):797–802

Characterization of Ca2+–activated, phospholipid–dependent protein kinase C/protein kinase M in guinea pig peritoneal exudate macrophages. Toper R, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):605–13

Nerve growth factor enhances the level of the protein kinase C substrate B–50 in pheochromocytoma PC12 cells. Van Hooff CO, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):644–51

V1a vasopressin–induced accumulation of inositol trisphosphate in cultured rat aortic myocytes; modulation by protein kinase C. Vittet D, et al.
Biochem Biophys Res Commun 1986 Nov 14; 140(3):1093–100

Role of protein kinase C in luteinizing hormone–releasing hormone (LHRH)–stimulated progesterone production in rat granulosa cells. Wang J, et al.
Biochem Biophys Res Commun 1987 Aug 14;146(3):939–44

Postsynaptic densities contain a subtype of protein kinase C. Wolf M, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):691–8

Comparison of the roles of calmodulin and protein kinase C in activation of the human neutrophil respiratory burst. Wright CD, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):53–62

Possible involvement of protein kinase C in parathyroid hormone degradation by osteoblast–like rat osteosarcoma cell line UMR106. Yamaguchi T, et al.
Biochem Biophys Res Commun 1987 Mar 13;143(2):539–44

Protein kinase C does not phosphorylate the externalized form of the transferrin receptor. Adam MA, et al.
Biochem J 1987 Feb 15;242(1):151–61

Short term memory in the calcium messenger system. Evidence for a sustained activation of protein kinase C in adrenal glomerulosa cells. Barrett PQ, et al. **Biochem J** 1986 Sep 15;238(3):905–12

Protein kinase C is not required for insulin stimulation of hexose uptake in muscle cells in culture. Klip A, et al.
Biochem J 1987 Feb 15;242(1):131–6

Effects of stimulation of muscarinic and of beta–catecholamine receptors on the intracellular distribution of protein kinase C in guinea pig exocrine glands. Machado–de Domenech E, et al. **Biochem J** 1987 Mar 15;242(3):749–54

Specificity of protein phosphatases in the dephosphorylation of protein kinase C. Parker PJ, et al. **Biochem J** 1986 Nov 15;240(1):63–7

Phosphorylation of purified bovine heart and rat liver 6–phosphofructo–2–kinase by protein kinase C and comparison of the fructose–2,6–bisphosphatase activity of the two enzymes. Rider MH, et al. **Biochem J** 1986 Nov 15;240(1):57–61

An inhibitory role for polyamines in protein kinase C activation and insulin secretion in mouse pancreatic islets. Thams P, et al. **Biochem J** 1986 Jul 1;237(1):131–8

Protein kinase C and an endogenous substrate associated with adenohypophyseal secretory granules. Turgeon JL, et al.
Biochem J 1986 Jul 1;237(1):53–61

An inhibitory role for the protein kinase C pathway in ovarian steroidogenesis. Studies with cultured swine granulosa cells. Veldhuis JD, et al. **Biochem J** 1986 Nov 1;239(3):505–11

Inositol phospholipid turnover and protein kinase C in stimulus–response coupling. Kikkawa U, et al.
Biochem Soc Trans 1987 Feb;15(1):124–5

Transduction proteins of olfactory receptor cells: identification of guanine nucleotide binding proteins and protein kinase C. Anholt RR, et al. **Biochemistry** 1987 Feb 10;26(3):788–95

Role of substrate in imparting calcium and phospholipid requirements to protein kinase C activation. Bazzi MD, et al. **Biochemistry** 1987 Apr 7;26(7):1974–82

Association of protein kinase C with phospholipid vesicles. Bazzi MD, et al. **Biochemistry** 1987 Jan 13;26(1):115–22

N–(6–phenylhexyl)–5–chloro–1–naphthalenesulfonamide, a novel activator of protein kinase C. Ito M, et al.
Biochemistry 1986 Jul 29;25(15):4179–84

Rapid microassay for protein kinase C translocation in Swiss 3T3 cells. Pelech SL, et al. **Biochemistry** 1986 Dec 30; 25(26):8348–53

Changes in protein kinase C activity are associated with the differentiation of Friend erythroleukemia cells. Balazovich KJ, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):247–55

Protein kinase C activators and bradykinin selectively inhibit vasopressin–stimulated cAMP synthesis in MDCK cells. Friedlander G, et al. **Biochim Biophys Acta** 1987 Jul 29; 929(3):311–7

Protein kinase C phosphorylation of protamine is Ca2+ independent, but the addition of DNA renders it Ca2+ dependent. Kimura K, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):203–7

Phosphorylation of endogenous and exogenous peptides by rat heart sarcolemma. Loten EG, et al.
Biochim Biophys Acta 1987 Mar 11;927(3):324–33

N–(6–phenylhexyl)–5–chloro–1–naphthalenesulfonamide is one of a new class of activators for Ca2+–activated, phospholipid–dependent protein kinase. Nishino H, et al.
Biochim Biophys Acta 1986 Nov 28;889(2):236–9

Involvement of protein kinase C in the phosphorylation of 46 kDa proteins which are phosphorylated in parallel with activation of NADPH oxidase in intact guinea–pig polymorphonuclear leukocytes. Ohtsuka T, et al.
Biochim Biophys Acta 1986 Oct 10;888(3):332–7

The assay of the activity of protein kinase C with the synthetic oligopeptide substrate designed for histone kinase II. Romhányi T, et al. **Biochim Biophys Acta** 1986 Oct 10; 888(3):325–31

Characterization and distribution of protein kinase C in ovarian tissue. Noland TA Jr, et al. **Biol Reprod** 1986 Nov; 35(4):863–72

Multilineage hematopoietic growth factor interleukin 3 and direct activators of protein kinase C stimulate phosphorylation of common substrates. Evans SW, et al.
Blood 1986 Oct;68(4):906–13

Regulation of human monocyte surface antigen expression. I. Up–modulation of Mo3e antigen expression on U–937 and HL–60 cells stimulated by pharmacologic activators of protein kinase C. Todd RF 3d, et al. **Blood** 1986 Nov; 68(5):1154–61

Direct relation of long–term synaptic potentiation to phosphorylation of membrane protein F1, a substrate for membrane protein kinase C. Lovinger DM, et al.
Brain Res 1986 Dec 10;399(2):205–11

Protein kinase C in astrocytes: a determinant of cell morphology. Mobley PL, et al. **Brain Res** 1986 Nov 29; 398(2):366–9

Calcium–activated, phospholipid–dependent protein kinase and protein substrates in primary cultures of astrocytes. Neary JT, et al. **Brain Res** 1986 Oct 22;385(2):420–4

Gradients of protein kinase C substrate phosphorylation in primate visual system peak in visual memory storage areas. Nelson RB, et al. **Brain Res** 1987 Jul 28;416(2):387–92

Translocation of protein kinase C in rat hippocampal slices. Zatz M. **Brain Res** 1986 Oct 15;385(1):174–8

The kinase C substrate protein B–50 and axonal regeneration. Verhaagen J, et al. **Brain Res Bull** 1986 Dec;17(6):737–41

Inhibition of epidermal growth factor binding in rat pancreatic acini by palmitoyl carnitine: evidence for Ca2+ and protein kinase C independent regulation. Brockenbrough JS, et al. **Cancer Res** 1987 Apr 1; 47(7):1805–10

Subcellular distribution of protein kinase C in rat colonic epithelial cells with different proliferative activities. Craven PA, et al. **Cancer Res** 1987 Jul 1;47(13):3434–8

Immunocytochemical evidence for phorbol ester–induced directional translocations of protein kinase C in HL60, K562, CHO, and E7SKS cells: possible role in differentiation. Girard PR, et al. **Cancer Res** 1987 Jun 1; 47(11):2892–8

Decreased phorbol ester receptor and protein kinase C in P388 murine leukemic cells resistant to etoposide. Ido M, et al. **Cancer Res** 1987 Jul 1;47(13):3460–3

Differential effects of various protein kinase C activators on protein phosphorylation in human acute myeloblastic leukemia cell line KG–1 and its phorbol ester–resistant subline KG–1a. Kiss Z, et al. **Cancer Res** 1987 Mar 1; 47(5):1302–7

Time–dependent changes in protein kinase C distribution and disappearance in phorbol ester–treated human osteosarcoma cells. Krug E, et al. **Cancer Res** 1987 May 1;47(9):2243–6

Growth state–dependent regulation of protein kinase C in normal and transformed murine cells. McCaffrey PG, et al. **Cancer Res** 1987 Feb 15;47(4):1081–6

Dissimilar effects of phorbol ester and diacylglycerol derivative on protein kinase activity in the monoblastoid U937 cell. Ways DK, et al. **Cancer Res** 1987 Jul 1; 47(13):3344–50

Benzene and toluene activate protein kinase C. Roghani M, et al. **Carcinogenesis** 1987 Aug;8(8):1105–7

Protein kinase C phosphorylates human platelet inositol trisphosphate 5'–phosphomonoesterase, increasing the phosphatase activity. Connolly TM, et al. **Cell** 1986 Sep 12;46(6):951–8

Activation of protein kinase C with cardiolipin–containing liposomes in relation to membrane–protein interaction. Nobori K, et al. **Cell Struct Funct** 1987 Aug;12(4):375–85

Mechanism of polymorphonuclear leukocyte activation by myristate. Involvement of calcium ion and protein kinase C. Yamamoto M, et al. **Cell Struct Funct** 1987 Aug; 12(4):357–67

Role of protein kinase C in calcium–mediated signal transduction. Kikkawa U, et al. **Ciba Found Symp** 1986; 122:197–211

Tumor–promoting phorbol esters inhibit cardiac functions and induce redistribution of protein kinase C in perfused beating rat heart. Yuan SH, et al. **Circ Res** 1987 Sep; 61(3):372–8

Effects of the fatty acid composition of phosphatidylserine and diacylglycerol on the in vitro activity of protein kinase C from rat spleen: influences of (n–3) and (n–6) polyunsaturated fatty acids. Bell MV, et al.
Comp Biochem Physiol [B] 1987;86(2):227–32

Calcium– and phospholipid–dependent protein kinase C and phosphatidylinositol kinase: two major phosphorylation systems in the cornea. Bazan HE, et al. **Curr Eye Res** 1987 May;6(5):667–73

Differential effects of activators of cAMP–dependent protein kinase and protein kinase C on cleavage of one–cell mouse embryos and protein synthesis and phosphorylation in one– and two–cell embryos. Poueymirou WT, et al. **Dev Biol** 1987 Jun;121(2):489–98

Identification of a major defect in insulin–resistant tissues of genetically obese (fa/fa) rats. Impaired protein kinase C. van de Werve G, et al. **Diabetes** 1987 Mar;36(3):310–4

Embryonal carcinoma–derived growth factor activates protein kinase C in vivo and in vitro. Mahadevan LC, et al. **EMBO J** 1987 Apr;6(4):921–6

The amino acid sequence of protein II and its phosphorylation site for protein kinase C; the domain structure Ca2+–modulated lipid binding proteins. Weber K, et al. **EMBO J** 1987 Jun;6(6):1599–604

The ionic, electrical, and secretory effects of protein kinase C activation in mouse pancreatic B–cells: studies with a phorbol ester. Bozem M, et al. **Endocrinology** 1987 Sep; 121(3):1025–33

Luteinizing hormone release from chicken pituitary cells: synergism between calcium and protein kinase C and its inhibition by calmodulin antagonists. Davidson JS, et al.
Endocrinology 1987 Feb;120(2):692–9

Intracellular Ca2+–dependent protein kinase C activation mimics delayed effects of thyrotropin–releasing hormone on clonal pituitary cell excitability. Dufy B, et al.
Endocrinology 1987 Aug;121(2):793–802

Ca2+ phospholipid-dependent and independent phosphorylation of synthetic peptide substrates by protein kinase C. Ferrari S, et al. **Eur J Biochem** 1987 Mar 16; 163(3):481–7

Fluorescent and photoactive probes for the study of protein kinase C. Lüthy R, et al. **Eur J Biochem** 1987 Jan 15; 162(2):387–91

Are calcium-dependent protein kinases involved in the regulation of glycolytic/gluconeogenetic enzymes? Studies with Ca2+/calmodulin-dependent protein kinase and protein kinase C. Mieskes G, et al. **Eur J Biochem** 1987 Sep 1;167(2):383–9

Characteristics of thyroid protein kinase C. Different Ca2 requirement for the phosphorylation of endogenous proteins and of H1 histone. Omri B, et al. **Eur J Biochem** 1987 May 15;165(1):83–90

Substrate specificity of protein kinase C. Use of synthetic peptides corresponding to physiological sites as probes for substrate recognition requirements. Woodgett JR, et al. **Eur J Biochem** 1986 Nov 17;161(1):177–84

Enhancement of noradrenaline release by 12-O-tetradecanoyl phorbol-13-acetate, an activator of protein kinase C. Allgaier C, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):389–92

A selective effect of protein kinase C activation on pirenzepine high-affinity muscarinic receptors in a neuronal clone. Lai WS, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):201–2

Mesocestoides lineatus: trypsin induced development to adult mediated by Ca2+ and protein kinase C. Kawamoto F, et al. **Exp Parasitol** 1986 Dec;62(3):309–15

Phosphorylation of a gelatin-binding protein from L6 myoblasts by protein kinase C. Cates GA, et al. **FEBS Lett** 1987 Jun 29;218(2):195–9

Insulin but not phorbol ester treatment increases phosphorylation of vinculin by protein kinase C in BC3H-1 myocytes. Cooper DR, et al. **FEBS Lett** 1987 Apr 6; 214(1):122–6

Decrease of cellular ATP by dihexanoylglycerol may limit responses to protein kinase C activation. Dawson J, et al. **FEBS Lett** 1987 Apr 6;214(1):171–5

Substitution of phosphatidylserine by lipid A in the activation of purified rabbit brain protein kinase C. Ellis CA, et al. **FEBS Lett** 1987 Jun 29;218(2):238–42

Protein kinase C activators modulate differentiated thyroid function in vitro. Ginsberg J, et al. **FEBS Lett** 1986 Oct 6;206(2):309–12

Alkyl analogs of diacylglycerol as activators of protein kinase C. Heymans F, et al. **FEBS Lett** 1987 Jun 22;218(1):35–40

Protein kinase C phosphorylates tau and induces its functional alterations. Hoshi M, et al. **FEBS Lett** 1987 Jun 15; 217(2):237–41

Phosphorylation of the EGF receptor from A431 epidermoid carcinoma cells by three distinct types of protein kinase C. Ido M, et al. **FEBS Lett** 1987 Jul 13;219(1):215–8

Inhibition of DNA synthesis by phorbol esters through protein kinase C in cultured rabbit aortic smooth muscle cells. Kariya K, et al. **FEBS Lett** 1987 Jun 8;217(1):69–73

Distinct functions of down-regulation-sensitive and -resistant types of protein kinase C in rabbit aortic smooth muscle cells. Kariya K, et al. **FEBS Lett** 1987 Jul 13; 219(1):119–24

Protein kinase C translocation in relation to proliferative state of C3H 10T1/2 cells. Miłoszewska J, et al. **FEBS Lett** 1986 Oct 6;206(2):283–6

The kinetic effects of in vitro phosphorylation of rabbit muscle enolase by protein kinase C. A possible new kind of enzyme regulation. Nettelblad FA, et al. **FEBS Lett** 1987 Apr 20;214(2):249–52

Activation of protein kinase C inhibits prostaglandin- and potentiates adenosine receptor-stimulated accumulation of cyclic AMP in a human T-cell leukemia line. Nordstedt C, et al. **FEBS Lett** 1987 Aug 10;220(1):57–60

The activation of protein kinase C by the polyphosphoinositides phosphatidylinositol 4,5-diphosphate and phosphatidylinositol 4-monophosphate. O'Brian CA, et al. **FEBS Lett** 1987 Apr 20;214(2):339–42

Contraction-associated translocation of protein kinase C in rat skeletal muscle. Richter EA, et al. **FEBS Lett** 1987 Jun 15;217(2):232–6

Phosphorylation of liver gap junction protein by protein kinase C. Takeda A, et al. **FEBS Lett** 1987 Jan 5; 210(2):169–72

Insulin increases membrane protein kinase C activity in rat diaphragm. Walaas SI, et al. **FEBS Lett** 1987 Aug 17; 220(2):311–8

Enhanced vascular reactivity to protein kinase C activators in genetically hypertensive rats. Turla MB, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III150–4

Stimulus-dependent triggering or inhibition of cytotoxicity in human cytotoxic T lymphocytes by activators of protein kinase C. Schrezenmeier H, et al. **Immunology** 1986 Nov; 59(3):359–63

Prolactin stimulation of ornithine decarboxylase and mitogenesis in Nb2 node lymphoma cells: the role of protein kinase C and calcium mobilization. Buckley AR, et al. **Immunopharmacology** 1986 Aug;12(1):37–51

Evidence that protein kinase C is involved in regulating glucose transport in the adipocyte. Christensen RL, et al. **Int J Biochem** 1987;19(3):259–65

Participation of protein kinase C in the activation of human neutrophils by phorbol ester. Pontremoli S, et al. **Ital J Biochem** 1986 Sep-Oct;35(5):368–74

Epidermal growth factor increases c-myc mRNA without eliciting phosphoinositide turnover, protein kinase C activation, or calcium ion mobilization in Swiss 3T3 fibroblasts. Tsuda T, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1631–5

Induction and regulation of human interleukin 2 gene expression: significance of protein kinase C activation. Yamamoto Y, et al. **J Biochem (Tokyo)** 1986 Aug; 100(2):333–40

Purified protein kinase C phosphorylates microtubule-associated protein 2. Akiyama T, et al. **J Biol Chem** 1986 Nov 25;261(33):15648–51

Phorbol ester- and protein kinase C-mediated phosphorylation of the cellular Kirsten ras gene product. Ballester R, et al. **J Biol Chem** 1987 Feb 25;262(6):2688–95

Angiotensin II-stimulated Na+/H+ exchange in cultured vascular smooth muscle cells. Evidence for protein kinase C-dependent and -independent pathways. Berk BC, et al. **J Biol Chem** 1987 Apr 15;262(11):5057–64

Protein kinase C-dependent and -independent pathways of proto-oncogene induction in human astrocytoma cells. Blackshear PJ, et al. **J Biol Chem** 1987 Jun 5; 262(16):7774–81

Regulation of adrenergic receptor function by phosphorylation. II. Effects of agonist occupancy on phosphorylation of alpha 1- and beta 2-adrenergic receptors by protein kinase C and the cyclic AMP-dependent protein kinase. Bouvier M, et al. **J Biol Chem** 1987 Mar 5;262(7):3106–13

Down regulation of phorbol diester receptors by proteolytic degradation of protein kinase C in a cultured cell line of fetal rat skin keratinocytes. Chida K, et al. **J Biol Chem** 1986 Oct 5;261(28):13013–8

Insulin increases membrane and cytosolic protein kinase C activity in BC3H-1 myocytes. Cooper DR, et al. **J Biol Chem** 1987 Mar 15;262(8):3633–9

Protein kinase C enhances growth hormone releasing factor (1-40)-stimulated cyclic AMP levels in anterior pituitary. Actions of somatostatin and pertussis toxin. Cronin MJ, et al. **J Biol Chem** 1986 Oct 25;261(30):13932–5

Ionomycin inhibits thyrotropin-releasing hormone-induced translocation of protein kinase C in GH4C1 pituitary cells. Fearon CW, et al. **J Biol Chem** 1987 Jul 15;262(20):9515–20

Regulation of calcium channels in aortic muscle cells by protein kinase C activators (diacylglycerol and phorbol esters) and by peptides (vasopressin and bombesin) that stimulate phosphoinositide breakdown. Galizzi JP, et al. **J Biol Chem** 1987 May 25;262(15):6947–50

A correlation between phorbol diester-induced protein phosphorylation and superoxide anion generation in HL-60 cells during granulocytic maturation. Gaut JR, et al. **J Biol Chem** 1987 Jan 15;262(2):826–34

Ca2+-independent activation of protease-activated kinase II by phospholipids/diolein and comparison with the Ca2+/phospholipid-dependent protein kinase. Gonzatti-Haces MI, et al. **J Biol Chem** 1986 Nov 15; 261(32):15266–72

Factors influencing chelator-stable, detergent-extractable, phorbol diester-induced membrane association of protein kinase C. Differences between Ca2+-induced and phorbol ester-stabilized membrane bindings of protein kinase C. Gopalakrishna R, et al. **J Biol Chem** 1986 Dec 15; 261(35):16438–45

Protein kinase C in fibroblasts. Characteristics of its intracellular location during growth and after exposure to phorbol esters and other mitogens. Halsey DL, et al. **J Biol Chem** 1987 Feb 15;262(5):2234–43

Protein kinase C is involved in adrenergic stimulation of pineal cGMP accumulation. Ho AK, et al. **J Biol Chem** 1987 Jul 25;262(21):10059–64

Activation of alpha 1-adrenoceptors, protein kinase C, or treatment with intracellular free Ca2+ elevating agents increases pineal phospholipase A2 activity. Evidence that protein kinase C may participate in Ca2+-dependent alpha 1-adrenergic stimulation of pineal phospholipase A2 activity. Ho AK, et al. **J Biol Chem** 1987 Aug 25; 262(24):11764–70

The influence of basic residues on the substrate specificity of protein kinase C. House C, et al. **J Biol Chem** 1987 Jan 15;262(2):772–7

Immunochemical characterization of rat brain protein kinase C. Huang KP, et al. **J Biol Chem** 1986 Nov 5; 261(31):14781–7

Phosphorylation of the 20,000-dalton light chain of smooth muscle myosin by the calcium-activated, phospholipid-dependent protein kinase. Phosphorylation sites and effects of phosphorylation. Ikebe M, et al. **J Biol Chem** 1987 Jul 15;262(20):9569–73

Modes of inhibitory action of protein kinase C in the chemotactic peptide-induced formation of inositol phosphates in differentiated human leukemic (HL-60) cells. Kikuchi A, et al. **J Biol Chem** 1987 May 15;262(14):6766–70

Exposure of HeLa DNA polymerase alpha to protein kinase C affects its catalytic properties. Krauss SW, et al. **J Biol Chem** 1987 Mar 15;262(8):3432–5

Regulation of protein kinase C activity by gangliosides. Kreutter D, et al. **J Biol Chem** 1987 Feb 5;262(4):1633–7

Evidence for increased synthesis as well as increased degradation of protein kinase C after treatment of human osteosarcoma cells with phorbol ester. Krug E, et al. **J Biol Chem** 1987 Aug 25;262(24):11852–6

Angiotensin II but not potassium induces subcellular redistribution of protein kinase C in bovine adrenal glomerulosa cells. Lang U, et al. **J Biol Chem** 1987 Jun 15;262(17):8047–50

The lipid binding, regulatory domain of protein kinase C. A 32-kDa fragment contains the calcium- and phosphatidylserine-dependent phorbol diester binding activity. Lee MH, et al. **J Biol Chem** 1986 Nov 15; 261(32):14867–70

Protein kinase C phosphorylates a recently identified membrane skeleton-associated calmodulin-binding protein in human erythrocytes. Ling E, et al. **J Biol Chem** 1986 Oct 25;261(30):13875–8

Phosphorylation of caldesmon77 by protein kinase C in vitro and in intact human platelets. Litchfield DW, et al. **J Biol Chem** 1987 Jun 15;262(17):8056–60

Phorbol esters reduce gonadotrope responsiveness to protein kinase C activators but not to Ca2+-mobilizing secretagogues. Does protein kinase C mediate gonadotropin-releasing hormone action? McArdle CA, et al. **J Biol Chem** 1987 Apr 15;262(11):5028–35

The mitogenic signaling pathway of fibroblast growth factor is not mediated through polyphosphoinositide hydrolysis and protein kinase C activation in hamster fibroblasts. Magnaldo I, et al. **J Biol Chem** 1986 Dec 25; 261(36):16916–22

Domain structure and phosphorylation of protein kinase C. Mochly-Rosen D, et al. **J Biol Chem** 1987 Feb 15; 262(5):2291–7

Disparate effects of activators of protein kinase C on HL-60 promyelocytic leukemia cell differentiation. Morin MJ, et al. **J Biol Chem** 1987 Aug 25;262(24):11758–63

Protein kinase C activation by cis-fatty acid in the absence of Ca2+ and phospholipids. Murakami K, et al. **J Biol Chem** 1986 Nov 25;261(33):15424–9

Activation of adipocyte adenylate cyclase by protein kinase C. Naghshineh S, et al. **J Biol Chem** 1986 Nov 5; 261(31):14534–8

Effect of phospholipid on substrate phosphorylation by a catalytic fragment of protein kinase C. Nakadate T, et al. **J Biol Chem** 1987 Aug 25;262(24):11507–13

Regulation of protein kinase C by cyclic adenosine 3':5'-monophosphate and a tumor promoter in skeletal myoblasts. Narindrasorasak S, et al. **J Biol Chem** 1987 Aug 5;262(22):10497–501

Modulation of [3H]dihydropyridine receptors by activation of protein kinase C in chick muscle cells. Navarro J. **J Biol Chem** 1987 Apr 5;262(10):4649–52

Protein kinase C autophosphorylates by an intrapeptide reaction. Newton AC, et al. **J Biol Chem** 1987 Jul 25; 262(21):10185–8

Guanosine 5'-O-(thiotriphosphate)-dependent inositol trisphosphate formation in membranes is inhibited by phorbol ester and protein kinase C. Orellana S, et al. **J Biol Chem** 1987 Feb 5;262(4):1638–43

Evidence of protein kinase C involvement in phorbol diester-stimulated arachidonic acid release and prostaglandin synthesis. Parker J, et al. **J Biol Chem** 1987 Apr 15;262(11):5385–93

Mitogen-activated S6 kinase is stimulated via protein kinase C-dependent and independent pathways in Swiss 3T3 cells. Pelech SL, et al. **J Biol Chem** 1987 Aug 25; 262(24):11598–606

Catecholamine secretion from digitonin-treated PC12 cells. Effects of Ca2+, ATP, and protein kinase C activators. Peppers SC, et al. **J Biol Chem** 1986 Nov 5;261(31):14665–9

Glucagon gene transcription in an islet cell line is regulated via a protein kinase C-activated pathway. Philippe J, et al. **J Biol Chem** 1987 Feb 5;262(4):1823–8

Three activators of protein kinase C, bryostatins, dioleins, and phorbol esters, show differing specificities of action on GH4 pituitary cells. Ramsdell JS, et al. **J Biol Chem** 1986 Dec 25;261(36):17073–80

Phosphorylation of the acetylcholine receptor by protein kinase C and identification of the phosphorylation site within the receptor delta subunit. Safran A, et al. **J Biol Chem** 1987 Aug 5;262(22):10506–10

Effects of phorbol esters, diglyceride, and cholinergic agonists on the subcellular distribution of protein kinase C in intact or digitonin-permeabilized adrenal chromaffin cells. TerBush DR, et al. **J Biol Chem** 1986 Dec 25; 261(36):17099–106

Protein kinase C and phosphatidylserine bind to Mr 110,000/115,000 polypeptides enriched in cytoskeletal and postsynaptic density preparations. Wolf M, et al. **J Biol Chem** 1986 Oct 5;261(28):13327–32

Inhibition of prostaglandin E1-induced elevation of cytoplasmic free calcium ion by protein kinase C-activating phorbol esters and diacylglycerol in Swiss 3T3 fibroblasts. Yamashita T, et al. **J Biol Chem** 1987 Apr 25;262(12):5536–9

Identity of common phosphoprotein substrates stimulated by interleukin 2 and diacylglycerol suggests a role of protein kinase C for IL 2 signal transduction. Evans SW, et al. **J Cell Biochem** 1987 May;34(1):47–59

Protein kinase C activators suppress stimulation of capillary endothelial cell growth by angiogenic endothelial mitogens. Doctrow SR, et al. **J Cell Biol** 1987 Mar;104(3):679–87

Parallel changes in amino acid transport and protein kinase C localization in LLC-PK1 cells treated with TPA or diradylglycerols. Dawson WD, et al. **J Cell Physiol** 1987 Jul;132(1):104–10

Alpha-thrombin-induced inositol phosphate formation in G0-arrested and cycling hamster lung fibroblasts: evidence for a protein kinase C-mediated desensitization response. L'Allemain G, et al. **J Cell Physiol** 1986 Nov;129(2):167–74

Bombesin and phorbol ester stimulate phosphatidylcholine hydrolysis by phospholipase C: evidence for a role of protein kinase C. Muir JG, et al. **J Cell Physiol** 1987 Mar; 130(3):382–91

Both protein kinase C and calcium mediate activation of the Na+/H+ antiporter in Chinese hamster embryo fibroblasts. Ober SS, et al. **J Cell Physiol** 1987 Aug; 132(2):311–7

Iron-transferrin-induced increase in protein kinase C activity in CCRF-CEM cells. Phillips JL, et al. **J Cell Physiol** 1987 Aug;132(2):349–53

Vasopressin rapidly stimulates protein kinase C in quiescent Swiss 3T3 cells. Rodriguez-Pena A, et al. **J Cell Physiol** 1986 Oct;129(1):124–30

Quantitation of protein kinase C by immunoblot—expression in different cell lines and response to phorbol esters. Stabel S, et al. **J Cell Physiol** 1987 Jan;130(1):111–7

Phorbol esters activate protein kinase C and glucose transport and can replace the requirement for growth factor in interleukin-3-dependent multipotent stem cells. Whetton AD, et al. **J Cell Sci** 1986 Aug;84:93–104

Role of activation of protein kinase C in the stimulation of colonic epithelial proliferation and reactive oxygen formation by bile acids. Craven PA, et al. **J Clin Invest** 1987 Feb;79(2):532–41

Calcium-dependent protein kinase reactions associated with parotid gland secretory granule membranes. Dowd F, et al. **J Dent Res** 1987 Feb;66(2):557–63

Phorbol esters, protein phosphorylation and the regulation of neuronal ion channels. Kaczmarek LK. **J Exp Biol** 1986 Sep;124:375–92

Transmembrane signaling through B cell MHC class II molecules: anti-Ia antibodies induce protein kinase C translocation to the nuclear fraction. Chen ZZ, et al. **J Immunol** 1987 Apr 1;138(7):2345–52

Phorbol myristate acetate and the calcium ionophore A23187 synergistically induce release of LTB4 by human neutrophils: involvement of protein kinase C activation in regulation of the 5-lipoxygenase pathway. Liles WC, et al. **J Immunol** 1987 May 15;138(10):3396–402

Reaction of T lymphocytes with anti-T3 induces translocation of C-kinase activity to the membrane and specific substrate phosphorylation. Nel AE, et al. **J Immunol** 1987 May 15;138(10):3519–24

Auranofin increases the affinity of phorbol dibutyrate receptors in chronic lymphocytic leukemia cells (B cells). Zalewski PD, et al. **J Immunol** 1987 May 1;138(9):3005–9

Protein kinase C activates the renal apical membrane Na+/H+ exchanger. Weinman EJ, et al. **J Membr Biol** 1986;93(2):133–9

Ca2+/diacylglycerol-activated, phospholipid-dependent protein kinase in the Hermissenda CNS. Neary JT, et al. **J Neurochem** 1986 Nov;47(5):1405–11

Translocation of protein kinase C in anterior pituitary tumor cells. Zatz M, et al. **J Neurochem** 1987 Jan;48(1):106–10

Phosphoprotein F1: purification and characterization of a brain kinase C substrate related to plasticity. Chan SY, et al. **J Neurosci** 1986 Dec;6(12):3618–27

Down regulation of protein kinase C in neuronal cells: effects on neurotransmitter release. Matthies HJ, et al. **J Neurosci** 1987 Apr;7(4):1198–206

Protein kinase C activation selectively augments a stretch-induced, calcium-dependent tone in vascular smooth muscle. Laher I, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):566–72

Protein phosphorylation and synaptic transmission: receptor mediated modulation of protein kinase C in a rat brain fraction enriched in synaptosomes. Rodnight R, et al. **J Physiol (Paris)** 1986;81(4):340–8

Phenobarbital competes with diacylglycerol for protein kinase C. Chauhan VP, et al. **Life Sci** 1987 Jan 5;40(1):89–93

Phorbol esters, but not the hormonal form of vitamin D, induce changes in protein kinase C during differentiation of human histiocytic lymphoma cell line (U-937). Mezzetti G, et al. **Life Sci** 1987 May 25;40(21):2111–7

Tumor promoters as probes of protein kinase C in dog thyroid cell: inhibition of the primary effects of carbamylocholine and reproduction of some distal effects. Mockel J, et al. **Metabolism** 1987 Feb;36(2):137–43

Synthesis of cell-permeant diacylglycerol analogs for structure-function analysis of protein kinase C and other enzymes. Ganong BR, et al. **Methods Enzymol** 1987; 141:313–20

Mixed micellar assay for phorbol ester binding. Hannun YA, et al. **Methods Enzymol** 1987;141:287–93

Hormone- and tumor promoter-induced activation or membrane association of protein kinase C in intact cells. Thomas TP, et al. **Methods Enzymol** 1987;141:399–411

Protein kinase C-mediated phosphorylation in intact cells. Witters LA, et al. **Methods Enzymol** 1987;141:412–24

Measurement of synergistic effects of protein kinase C activators and calcium ionophore in pituitary cell cultures. Wooge CH, et al. **Methods Enzymol** 1987;141:429–35

Stimulation and inhibition of elastase release from human neutrophil-dependence on the calcium messenger system. Kokot K, et al. **Miner Electrolyte Metab** 1987;13(3):189–95

The protein-tyrosine kinase substrate p36 is also a substrate for protein kinase C in vitro and in vivo. Gould KL, et al. **Mol Cell Biol** 1986 Jul;6(7):2738–44

Metallothionein gene expression is regulated by serum factors and activators of protein kinase C. Imbra RJ, et al. **Mol Cell Biol** 1987 Apr;7(4):1358–63

Augmentation of c-fos mRNA expression by activators of protein kinase C in fresh, terminally differentiated resting macrophages. Radzioch D, et al. **Mol Cell Biol** 1987 Feb; 7(2):595–9

Individual mouse VL30 elements transferred to rat cells by viral pseudotypes retain their responsiveness to activators of protein kinase C. Rodland KD, et al. **Mol Cell Biol** 1987 Jun;7(6):2296–8

Activation of distinct second messenger systems in anterior pituitary corticotrophic tumor cells alters the phosphorylation states of both shared and distinct cytosolic proteins. Bishop JF, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1–2):17–26

Sensitization of adrenocortical cell adenylate cyclase activity to ACTH by angiotensin II and activators of protein kinase C. Brami B, et al. **Mol Cell Endocrinol** 1987 Mar; 50(1–2):131–7

Calcium-, phospholipid-dependent protein kinase activity of cultured rat Sertoli cells and its modifications by vitamin A. Galdieri M, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2–3):213–20

Phospholipid-dependent Ca2+-activated protein kinase (C-kinase) in the pituitary: further characterization and endogenous redistribution. Hermon J, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):201–8

Distribution and activation of protein kinase C in the rat testis tissue. Nikula H, et al. **Mol Cell Endocrinol** 1987 Jan; 49(1):39–49

Endogenous substrates of protein kinase C in experimentally induced and regressed rat thyroid goitres. Omri B, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):105–10

Catalytic and receptor-binding properties of the calcium-sensitive phospholipid-dependent protein kinase (protein kinase C) in swine luteal cytosol. Wheeler MB, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):123–9

Ia binding ligands and cAMP stimulate nuclear translocation of PKC in B lymphocytes. Cambier JC, et al. **Nature** 1987 Jun 18–24;327(6123):629–32

Tissue-specific expression of three distinct types of rabbit protein kinase C. Ohno S, et al. **Nature** 1987 Jan 8–14; 325(7000):161–6

Activation of protein kinase C augments evoked transmitter release. Shapira R, et al. **Nature** 1987 Jan 1–7; 325(6099):58–60

Elevated levels of diacylglycerol and decreased phorbol ester sensitivity in ras-transformed fibroblasts. Wolfman A, et al. **Nature** 1987 Jan 22–28;325(6102):359–61

Inositol trisphosphate receptor localization in brain: variable stoichiometry with protein kinase C. Worley PF, et al. **Nature** 1987 Jan 8–14;325(7000):159–61

Protein kinase C potentiates corticotropin releasing factor stimulated cyclic AMP in pituitary. Cronin MJ, et al. **Peptides** 1986 Sep–Oct;7(5):935–8

Phorbol 12-myristate 13-acetate induces prolactin secretion from rat anterior pituitary gland by the activation of protein kinase-C. Galbiati E, et al. **Pharmacol Res Commun** 1986 Aug;18(8):687–98

Relationship of bile salt stimulation of colonic epithelial phospholipid turnover and proliferative activity: role of activation of protein kinase C1. DeRubertis FR, et al. **Prev Med** 1987 Jul;16(4):572–9

Translocation of protein kinase C in human leukemia cells susceptible or resistant to differentiation induced by phorbol 12-myristate 13-acetate. Homma Y, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7316–9

Protein kinase C activity and hexamethylenebisacetamide-induced erythroleukemia cell differentiation. Melloni E, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5282–6

Protein kinase C activation enhances cAMP accumulation in Swiss 3T3 cells: inhibition by pertussis toxin. Rozengurt E, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2282–6

Multisite phosphorylation of the alpha subunit of transducin by the insulin receptor kinase and protein kinase C. Zick Y, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9294–7

Induction of differentiation of HL-60 cells by different agents and the phospholipid-sensitive Ca++ dependent protein phosphorylation system. Zylber-Katz E, et al. **Rev Clin Basic Pharm** 1985;5 Suppl:49S–56S

Oligodendrocyte adhesion activates protein kinase C-mediated phosphorylation of myelin basic protein. Vartanian T, et al. **Science** 1986 Dec 12;234(4782):1395–8

PHARMACODYNAMICS

Inhibition of epithelial Na+ transport by atriopeptin, protein kinase c, and pertussis toxin. Mohrmann M, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F372–6

Non-requirement of calcium on protamine phosphorylation by calcium-activated, phospholipid-dependent protein kinase. Sakai K, et al. **Biochem Int** 1987 Jan;14(1):63–70

Protein kinase C catalyses the phosphorylation and activation of rat liver phospholipid methyltransferase. Villalba M, et al. **Biochem J** 1987 Feb 1;241(3):911–6

Dynamic actions of arachidonic acid and protein kinase C in pituitary stimulation by gonadotropin-releasing hormone. Chang JP, et al. **Endocrinology** 1987 May; 120(5):1837–45

Protein kinase C inhibits TRH-stimulated phosphoinositide hydrolysis in GH3 cells. Sortino M, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):77–83

Protein kinase C injection into hippocampal pyramidal cells elicits features of long term potentiation. Hu GY, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):426–9

Loss of mouse fibroblast cell response to phorbol esters restored by microinjected protein kinase C. Pasti G, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):375–7

Effects of intracellular injections of phorbol ester and protein kinase C on cat spinal motoneurons in vivo. Zhang L, et al. **Neurosci Lett** 1987 Jun 26;77(3):287–92

PHYSIOLOGY

TSH and biogenic amine signals in the regulation of thyroid function: independent regulation by protein kinase C and G proteins. Grollman EF, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:199–202

Potential mediation of somatostatin secretion from canine fundic D-cells by protein kinase c. Chiba T, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G62–7

Mitogen stimulation of Na+-H+ exchange: differential involvement of protein kinase C. Muldoon LL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C219–29

The role of protein kinase C in the cytotoxic T-cell lytic response. Russell JH, et al. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):320–4

Purified rabbit brain protein kinase C relaxes skinned vascular smooth muscle and phosphorylates myosin light chain. Inagaki M, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):136–41

Thrombin receptor occupancy initiates cell proliferation in the presence of phorbol myristic acetate. Gordon EA, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):650–6

Rapid response of protein synthesis to insulin in 3T3 cells: effects of protein kinase C depletion and differences from the response to serum repletion. Hesketh JE, et al. **Biosci Rep** 1986 Sep;6(9):797–804

Ca2+ and phospholipid-dependent protein kinase (protein kinase C) activity is not necessarily required for secretion by human neutrophils. Balazovich KJ, et al. **Blood** 1986 Oct;68(4):810–7

Protein kinase C and the activation of the human neutrophil NADPH-oxidase. Tauber AI. **Blood** 1987 Mar;69(3):711–20 (135 ref.)

Calcium and protein kinase C inhibit biosynthesis of Aplysia egg-laying hormone. Berry RW. **Brain Res** 1986 Nov; 387(2):185–7

Calcium, cyclic AMP and protein kinase C—partners in mitogenesis. Whitfield JF, et al. **Cancer Metastasis Rev** 1987;5(3):205–50 (433 ref.)

Involvement of protein kinase C activation in ornithine decarboxylase gene expression in primary culture of newborn mouse epidermal cells and in skin tumor promotion by 12-O-tetradecanoylphorbol-13-acetate. Verma AK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6149–55

Isolation of 12-O-tetradecanoylphorbol-13-acetate-resistant mutants of a macrophage-like cell line: evidence for induction by 12-O-tetradecanoylphorbol-13-acetate of a non-colony-stimulating growth factor. Yashruti AA, et al. **Cancer Res** 1987 Jun 1;47(11):2777–81

Bryostatin 1, an activator of protein kinase C, inhibits tumor promotion by phorbol esters in SENCAR mouse skin. Hennings H, et al. **Carcinogenesis** 1987 Sep;8(9):1343–6

Possible involvement of a lanthanide-sensitive protein kinase C substrate in lanthanide promotion of neoplastic transformation. Smith BM, et al. **Carcinogenesis** 1986 Dec; 7(12):1949–56

Decreased insulin responsiveness in fat cells rendered protein kinase C-deficient by a treatment with a phorbol ester. Cherqui G, et al. **Endocrinology** 1987 May;120(5):2192–4

Transmembrane signals mediating neural peptide secretion: role of protein kinase C activators and arachidonic acid metabolites in luteinizing hormone-releasing hormone secretion. Negro-Vilar A, et al. **Endocrinology** 1986 Dec; 119(6):2796–802

Stimulatory and inhibitory effects of protein kinase C activation and calcium ionophore on cultured pig Leydig cells. Bernier M, et al. **Eur J Biochem** 1987 Feb 16; 163(1):181–8

Early events in human B cell activation: metabolic pathways vary according to the first signal used. Dugas B, et al. **Eur J Immunol** 1986 Dec;16(12):1609–14

Protein kinase C-activating phorbol esters augment expression of T cell receptor genes. Noonan DJ, et al. **Eur J Immunol** 1987 Jun;17(6):803–7

The role of the diacylglycerol-protein kinase C system in mediating adrenoceptor-prostacyclin synthesis coupling in the rat aorta. Jeremy JY, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):311–6

Possible involvement of protein kinase C in the stimulation of amino acid transport by phorbol ester, platelet-derived growth factor and A23187 in Swiss 3T3 cells. Kitagawa K, et al. **Experientia** 1986 Sep 15;42(9):1038–40

Protein kinase C in the regulation of smooth muscle contraction. Rasmussen H, et al. **FASEB J** 1987 Sep; 1(3):177–85 (40 ref.)

Calcium-activated neutral protease and its endogenous inhibitor. Activation at the cell membrane and biological function. Suzuki K, et al. **FEBS Lett** 1987 Aug 17; 220(2):271–7 (49 ref.)

Involvement of three intracellular messenger systems, protein kinase C, calcium ion and cyclic AMP, in the regulation

of c-fos gene expression in Swiss 3T3 cells. Tsuda T, et al. **FEBS Lett** 1986 Nov 10;208(1):39–42

T-lymphocyte activation: the role of protein kinase C and the bifurcating inositol phospholipid signal transduction pathway. Isakov N, et al. **Immunol Rev** 1987 Feb;95:89–111 (70 ref.)

Epidermal growth factor (EGF) promotes phosphorylation at threonine-654 of the EGF receptor: possible role of protein kinase C in homologous regulation of the EGF receptor. Whiteley B, et al. **J Cell Biol** 1986 Oct; 103(4):1355–62

Role of protein kinase C in the pigment cell of the lizard (Anolis carolinensis). Lucas AM, et al. **J Endocrinol** 1987 Feb;112(2):283–7

Role of protein kinase C and intracellular calcium mobilization in the induction of macrophage tumoricidal activity by interferon-gamma. Celada A, et al. **J Immunol** 1986 Oct 1;137(7):2373–9

Human T lymphocyte activation by tumor promoters: role of protein kinase C. Isakov N, et al. **J Immunol** 1987 May 15;138(10):3100–7

Protein kinase C activation blocks anti-IgM-mediated signaling BAL17 B lymphoma cells. Mizuguchi J, et al. **J Immunol** 1987 Aug 15;139(4):1054–9

Arachidonate metabolites, platelet-activating factor, and the mobilization of protein kinase C in human polymorphonuclear neutrophils. O'Flaherty JT, et al. **J Immunol** 1987 Mar 15;138(6):1889–95

The control of mediator release from RBL-2H3 cells: roles for Ca2+, Na+, and protein kinase C1. Stump RF, et al. **J Immunol** 1987 Aug 1;139(3):881–6

Induction of chemotaxis in mouse peritoneal macrophages by activators of protein kinase C. Laskin DL, et al. **J Leukocyte Biol** 1987 Jun;41(6):474–80

Ciba-Geigy award for outstanding research. Regulation of adrenergic receptor function by phosphorylation. Lefkowitz RJ, et al. **J Mol Cell Cardiol** 1986 Sep; 18(9):885–95

Stimulation of T cells through the CD3/T-cell receptor complex: role of cytoplasmic calcium, protein kinase C translocation, and phosphorylation of pp60c-src in the activation pathway. Ledbetter JA, et al. **Mol Cell Biol** 1987 Feb;7(2):650–6

Demonstration of protein kinase C activity in crustacean Y-organs, and partial definition of its role in regulation of ecdysteroidogenesis. Mattson MP, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):159–71

Inhibition by phorbol esters and other tumor promoters of the response of the Sertoli cell to FSH: evidence for dual site of action. Monaco L, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):227–36

Activation of protein kinase C is coupled to prostaglandin F2 alpha synthesis in the ovary: studies in cultured swine granulosa cells. Veldhuis JD, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):249–54

Phorbol ester-mediated inhibition of vasopressin and beta-adrenergic responses in a vascular smooth muscle cell line. Aiyar N, et al. **Mol Pharmacol** 1987 Feb;31(2):180–4

Cholecystokinin induces a decrease in Ca2+ current in snail neurons that appears to be mediated by protein kinase C. Hammond C, et al. **Nature** 1987 Feb 26-Mar 4; 325(6107):809–11

Stimulation of protein kinase C recruits covert calcium channels in Aplysia bag cell neurons. Strong JA, et al. **Nature** 1987 Feb 19-25;325(6106):714–7

Morphological alterations in endothelial cells from human aorta and umbilical vein induced by forskolin and phorbol 12-myristate 13-acetate: a synergistic action of adenylate cyclase and protein kinase C activators. Antonov AS, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9704–8

Diacylglycerol-induced translocation of diacylglycerol kinase: use of affinity-purified enzyme in a reconstitution system. Besterman JM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9378–82

Acetylcholine may regulate its own nicotinic receptor-channel through the C-kinase system. Eusebi F, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):355–65

The dual role of protein kinase C in the stimulus-secretion coupling of basophils. Sagi-Eisenberg R, et al. **Rev Clin Basic Pharm** 1985;5 Suppl:33S–37S

[Studies of calcium-activated, phospholipid-dependent protein kinase in pig epidermis] Koizumi H. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):521–32 (Eng. Abstr.) **(Jpn)**

[C kinase: with special reference to recent findings] Hidaka H, et al. **Nippon Rinsho** 1986 Jul;44(7):1687–97 (22 ref.) **(Jpn)**

[Role of C-kinase in development and function of human placental chorionic tissue] Fuchiwaki T. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1029–36 (Eng. Abstr.) **(Jpn)**

[Ca2+, phospholipid-dependent protein kinase (C-kinase) in the rat placental chorion] Okuyama T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):233–40 (Eng. Abstr.) **(Jpn)**

[Role of protein kinase C in regulating smooth muscle electrical and contractile activity: the effect of phorbol ester] Baskakov MB, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):8–11 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Isolation and properties of the Ca2+, phospholipid-dependent protein kinase from the substantia grisea of the rat brain in the early stage of exposure to ionizing radiation] Ostapchenko LI, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):761–5 (Eng. Abstr.) **(Rus)**

PROTEIN KINASES

A filamentous form of Drosophila casein kinase II. Glover CV. **J Biol Chem** 1986 Oct 25;261(30):14349–54

Localization of the phosphorylations of polyomavirus large T antigen. Bockus BJ, et al. **J Virol** 1987 Apr;61(4):1155–63

[Similar domains in different proteins: detection and significance] Barker WC, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):54–68 (78 ref.) **(Jpn)**

ANALYSIS

Enzyme activity dot blots: a rapid and convenient assay for acetyltransferase or protein kinase activity immobilized on nitrocellulose. Allis CD, et al. **Anal Biochem** 1986 Nov 15;159(1):58–66

Electrophoretic forms of protein kinases during differentiation of murine erythroleukaemic cells. Hammond KD, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):521–5

Properties of poliovirus associated protein kinase. Lackmann M, et al. **Arch Virol** 1987;95(1-2):1–16

Calcium-activated, calmodulin-dependent protein kinase activity in bovine thyroid cytosol. Friedman Y, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):120–7

A novel protein kinase activity in rabbit gastric gland cytosol. Goldenring JR, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):559–66

Conversion of protein kinase C from a Ca2+-dependent to an independent form of phorbol ester-binding protein by digestion with trypsin. Huang KP, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):320–6

Tissue distribution of casein kinases. Nakajo S, et al. **Biochem Int** 1987 Jan;14(1):701–7

Expression of the c-src protooncogene in human skin tumors. Barnekow A, et al. **Cancer Res** 1987 Jan 1;47(1):235–40

Altered levels of protein kinase C and Ca2+-dependent protein kinases in human colon carcinomas. Guillem JG, et al. **Cancer Res** 1987 Apr 15;47(8):2036–9

Characterization of the cyclic adenosine 3':5'-monophosphate effector system in hormone-dependent and hormone-independent rat mammary carcinomas. Ogreid D, et al. **Cancer Res** 1987 May 15;47(10):2576–82

Immunocytochemical demonstration of cyclic AMP-dependent protein kinases in duct cells of the rat parotid gland. Schwoch G. **Cell Biol Int Rep** 1987 Aug; 11(8):599–604

Cytoskeletal association of pp60src. The transforming protein of the Rous sarcoma virus. Henderson D, et al. **Exp Cell Res** 1987 Feb;168(2):411–21

Oncogenes and germ cell tumours. Sikora K, et al. **Int J Androl** 1987 Feb;10(1):57–67

Casein kinase II of yeast contains two distinct alpha polypeptides and an unusually large beta subunit. Padmanabha R, et al. **J Biol Chem** 1987 Feb 5; 262(4):1829–35

Rapid stimulation by insulin of a serine/threonine kinase in 3T3-L1 adipocytes that phosphorylates microtubule-associated protein 2 in vitro. Ray LB, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1502–6

[Level of cyclic AMP-dependent protein kinase isozyme in normal liver and hepatoma tissue and the effect of sodium selenite] Liu QY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):339–41 (Eng. Abstr.) **(Chi)**

[Determination of cyclic AMP and protein kinases in the diagnosis of colonic tumors] Aleksandrov VB, et al. **Vopr Onkol** 1986;32(8):45–53 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Mechanism of protein kinase C inhibition by sphingosine. Bazzi MD, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):203–7

Effects of teleocidin on the morphology and c-myc expression of hepatoma cells which are not inhibited by protein kinase antagonists. Kaneko Y, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):549–55

K-252 compounds, novel and potent inhibitors of protein kinase C and cyclic nucleotide-dependent protein kinases. Kase H, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):436–40

Effect of inhibition of the catalytic activity of cyclic AMP-dependent protein kinase on mitosis in PtK1 cells. Browne CL, et al. **Cell Motil Cytoskeleton** 1987;7(3):248–57

A putative mediator of insulin action which inhibits adenylate cyclase and adenosine 3',5'-monophosphate-dependent protein kinase: partial purification from rat liver: site and kinetic mechanism of action. Malchoff CD, et al. **Endocrinology** 1987 Apr;120(4):1327–37

Calcium release from calmodulin and its C-terminal or N-terminal halves in the presence of the calmodulin antagonists phenoxybenzamine and melittin measured by stopped-flow fluorescence with Quin 2 and intrinsic tyrosine. Inhibition of calmodulin-dependent protein kinase of cardiac sarcoplasmic reticulum. Suko J, et al. **Eur J Biochem** 1986 Sep 15;159(3):425–34

A nerve growth factor-sensitive S6 kinase in cell-free extracts from PC12 cells. Matsuda Y, et al. **J Neurochem** 1986 Dec;47(6):1728–34

Inhibition of cyclic AMP-dependent protein kinase activity by the cardiotonic drugs amrinone and milrinone. Earl CQ, et al. **Life Sci** 1986 Nov 17;39(20):1901–8

Specific binding of a novel compound, N-[2-(methylamino)ethyl]-5-isoquinolinesulfonamide (H-8) to the active site of cAMP-dependent protein kinase. Hagiwara M, et al. **Mol Pharmacol** 1987 May;31(5):523–8

Selective modulation of calcium-dependent myosin phosphorylation by novel protein kinase inhibitors, isoquinolinesulfonamide derivatives. Hagiwara M, et al. **Mol Pharmacol** 1987 Jul;32(1):7–12

Studies on a protein kinase inhibitor-insensitive, phospholipase C-sensitive pathway of lipolysis in rat adipocytes. Okuda H, et al. **Pharmacol Res Commun** 1986 Oct;18(10):877–93

Insulin inhibition of hepatic cAMP-dependent protein kinase: decreased affinity of protein kinase for cAMP and possible differential regulation of intrachain sites 1 and 2. Gabbay RA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2218–22

Non-selective inhibition of mammalian protein kinases by flavinoids in vitro. End DW, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr;56(1):75–86

BIOSYNTHESIS

Recombinant type I regulatory subunit of the cAMP-dependent protein kinase is biologically active. Oehen S, et al. **FEBS Lett** 1987 Aug 10;220(1):47–51

Hormonal regulation of the synthesis and mRNA content of the regulatory subunit of cyclic AMP-dependent protein kinase type II in cultured rat ovarian granulosa cells. Ratoosh SL, et al. **J Biol Chem** 1987 May 25; 262(15):7306–13

Induction of casein kinase II during differentiation of 3T3-L1 cells. Sommercorn J, et al. **J Biol Chem** 1987 Mar 15; 262(8):3839–43

BLOOD

Analysis of band 3 cytoplasmic domain phosphorylation and association with ankyrin. Soong CJ, et al. **Arch Biochem Biophys** 1987 May 1;254(2):509–17

Stimulation of the 23-Kd protein cAMP dependent phosphorylation by inositol 1,4,5 trisphosphate in human platelet membrane vesicles. Enouf J, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):139–45

Membrane-associated protein kinases in phorbol ester-activated human polymorphonuclear leukocytes. Christiansen NO, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):54–9

Regulation of protein synthesis in rabbit reticulocyte lysates. Requirement of initiation factor eIF-2 holoprotein for substrate specificity of heme-regulated protein kinase. Roberts RC, et al. **FEBS Lett** 1986 Dec 15;209(2):162–4

Identification of spectrin-related peptides associated with the reticulocyte heme-controlled alpha subunit of eukaryotic translational initiation factor 2 kinase and of Mr 95,000 peptide that appears to be the catalytic subunit. Kudlicki W, et al. **J Biol Chem** 1987 Jul 15;262(20):9695–701

Phosphorylation of cytosolic proteins by casein kinases in human erythrocytes. Response to ionic strength and to 2,3-bisphosphoglycerate. Clari G, et al. **Mol Cell Biochem** 1987 Apr;74(2):149–56

Human aging: effect on the activation of lymphocyte cyclic AMP-dependent protein kinase by forskolin. Krall JF, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):396–402

CLASSIFICATION

Subcellular distribution of a calmodulin-dependent protein kinase activity in rat cerebral cortex during development. Weinberger RP, et al. **Brain Res** 1986 Sep;394(1):37–50

GENETICS

Molecular genetic analysis of cAMP-dependent protein kinase. Gottesman MM, et al. **Ann NY Acad Sci** 1986; 478:162–74 (44 ref.)

Biochemical properties associated with the immortalizing domain of the large T protein of polyoma virus. Guizani I, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):973–9

Molecular cloning and cDNA structure of the regulatory subunit of type I cAMP-dependent protein kinase from rat brain. Kuno T, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):878–83

The roles of cAMP and cAMP-dependent protein kinase in the regulation of adrenocortical functions: analysis using DNA-mediated gene transfer. Wong M, et al. **Biochem Cell Biol** 1986 Nov;64(11):1066–71

SV40 large T-antigen: dual oncogene. Butel JS. **Cancer Surv** 1986;5(2):343–65

Transformation by polyoma virus middle T antigen. Courtneidge SA. **Cancer Surv** 1986;5(2):173–82

From c-src to v-src, or the case of the missing C terminus. Sefton BM, et al. **Cancer Surv** 1986;5(2):159–72

Identification of p34 and p13, human homologs of the cell cycle regulators of fission yeast encoded by cdc2+ and suc1+. Draetta G, et al. **Cell** 1987 Jul 17;50(2):319–25

A thousand and one protein kinases. Hunter T. **Cell** 1987 Sep 11;50(6):823–9 (71 ref.)

A tail of two src's: mutatis mutandis. Hunter T. **Cell** 1987 Apr 10;49(1):1–4

Negative regulation of mitosis by wee1+, a gene encoding a protein kinase homolog. Russell P, et al. **Cell** 1987 May 22;49(4):559–67

The mitotic inducer nim1+ functions in a regulatory network of protein kinase homologs controlling the initiation of mitosis. Russell P, et al. **Cell** 1987 May 22;49(4):569–76

Three different genes in S. cerevisiae encode the catalytic subunits of the cAMP-dependent protein kinase. Toda T, et al. **Cell** 1987 Jul 17;50(2):277–87

Homology between the ran1+ gene of fission yeast and protein kinases. McLeod M, et al. **EMBO J** 1986 Dec 20; 5(13):3665–71

KIN28, a yeast split gene coding for a putative protein kinase homologous to CDC28. Simon M, et al. **EMBO J** 1986 Oct;5(10):2697–701

Tissue distribution and hormonal regulation of messenger ribonucleic acid for regulatory and catalytic subunits of adenosine 3',5'-monophosphate-dependent protein kinases during ovarian follicular development and luteinization in the rat. Hedin L, et al. **Endocrinology** 1987 May; 120(5):1928–35

Multiple mRNA species code for the catalytic subunit of the cAMP-dependent protein kinase from LLC-PK1 cells. Evidence for two forms of the catalytic subunit. Adavani SR, et al. **Eur J Biochem** 1987 Sep 1;167(2):221–6

Characterization of two mutants of the LLC-PK1 porcine kidney cell line affected in the catalytic subunit of the cAMP-dependent protein kinase. Botterell SH, et al. **Eur J Biochem** 1987 Apr 1;164(1):39–44

Isolation of a cDNA and characterization of the 5' flanking region of the gene encoding the type I regulatory subunit of the cAMP-dependent protein kinase. Nowak I, et al. **Eur J Biochem** 1987 Aug 17;167(1):27–33

Expression cloning of a cDNA encoding the type II regulatory subunit of the cAMP-dependent protein kinase. Hemmings BA, et al. **FEBS Lett** 1986 Dec 15;209(2):219–22

The 3'-orf protein of human immunodeficiency virus shows structural homology with the phosphorylation domain of human interleukin-2 receptor and the ATP-binding site of the protein kinase family. Samuel KP, et al. **FEBS Lett** 1987 Jun 22;218(1):81–6

Expression in Escherichia coli of BCY1, the regulatory subunit of cyclic AMP-dependent protein kinase from Saccharomyces cerevisiae. Purification and characterization. Johnson KE, et al. **J Biol Chem** 1987 Jun 25;262(18):8636–42

Isolation and nucleotide sequence of a Saccharomyces cerevisiae protein kinase gene suppressing the cell cycle start mutation cdc25. Lisziewicz J, et al. **J Biol Chem** 1987 Feb 25;262(6):2549–53

A cloned bovine cDNA encodes an alternate form of the catalytic subunit of cAMP-dependent protein kinase. Showers MO, et al. **J Biol Chem** 1986 Dec 15; 261(35):16288–91

Evidence for a second isoform of the catalytic subunit of cAMP-dependent protein kinase [published erratum appears in J Biol Chem 1987 Apr 15;262(11):5431] Uhler MD, et al. **J Biol Chem** 1986 Nov 25;261(33):15360–3

Altered type I protein kinase in adhesion defective CHO cell variants. Cheung E, et al. **J Cell Physiol** 1987 Jan; 130(1):118–24

Abundant expression of polyomavirus middle T antigen and dihydrofolate reductase in an adenovirus recombinant. Berkner KL, et al. **J Virol** 1987 Apr;61(4):1213–20

Phosphorylation of polyomavirus large T antigen: effects of viral mutations and cell growth state. Bockus BJ, et al. **J Virol** 1987 Apr;61(4):1147–54

Analysis of polyomavirus middle-T-antigen-transformed rat cell variants expressing different levels of pp60c-src. Bolen JB, et al. **J Virol** 1987 Apr;61(4):1079–85

Overproduction of polyomavirus middle T antigen in mammalian cells through the use of an adenovirus vector. Davidson D, et al. **J Virol** 1987 Apr;61(4):1226–39

trans-dominant defective mutants of simian virus 40 T antigen. Farber JM, et al. **J Virol** 1987 Feb;61(2):436–45

Analysis of p60v-src mutants carrying lesions involved in temperature sensitivity. Garber EA, et al. **J Virol** 1987 Feb; 61(2):354–60

Herpes simplex virus 1 protein kinase is encoded by open reading frame US3 which is not essential for virus growth in cell culture. Purves FC, et al. **J Virol** 1987 Sep; 61(9):2896–901

Characterization of middle T antigen expressed by using an adenovirus expression system. Schaffhausen BS, et al. **J Virol** 1987 Apr;61(4):1221–5

Medium tumor antigen of polyomavirus transformation-defective mutant NG59 is associated with 73-kilodalton heat shock protein. Walter G, et al. **J Virol** 1987 Feb;61(2):405–10

Site-specific mutagenesis of cdc2+, a cell cycle control gene of the fission yeast Schizosaccharomyces pombe. Booher R, et al. **Mol Cell Biol** 1986 Oct;6(10):3523–30

Expression of Rous sarcoma virus transforming protein pp60v-src in Saccharomyces cerevisiae cells. Brugge JS, et al. **Mol Cell Biol** 1987 Jun;7(6):2180–7

Extensive mutagenesis of the nuclear location signal of simian virus 40 large-T antigen. Colledge WH, et al. **Mol Cell Biol** 1986 Nov;6(11):4136–9

Immortalization of rat embryo fibroblasts by mutant polyomavirus large T antigens deficient in DNA binding. Cowie A, et al. **Mol Cell Biol** 1986 Dec;6(12):4344–52

Induction of proliferation of neuroretina cells by long terminal repeat activation of the carboxy-terminal part of c-mil. Dozier C, et al. **Mol Cell Biol** 1987 May;7(5):1995–8

Absence of a structural basis for intracellular recognition and differential localization of nuclear and plasma membrane-associated forms of simian virus 40 large tumor antigen. Jarvis DL, et al. **Mol Cell Biol** 1986 Mar; 6(3):758–67

Recombinant retroviruses encoding simian virus 40 large T antigen and polyomavirus large and middle T antigens. Jat PS, et al. **Mol Cell Biol** 1986 Apr;6(4):1204–17

Neither arginine nor histidine can carry out the function of lysine-295 in the ATP-binding site of p60src. Kamps MP, et al. **Mol Cell Biol** 1986 Mar;6(3):751–7

Translational control by influenza virus: suppression of the kinase that phosphorylates the alpha subunit of initiation factor eIF-2 and selective translation of influenza viral mRNAs. Katze MG, et al. **Mol Cell Biol** 1986 May; 6(5):1741–50

Transformation of chicken embryo fibroblasts and tumor induction by the middle T antigen of polyomavirus carried in an avian retroviral vector. Kornbluth S, et al. **Mol Cell Biol** 1986 May;6(5):1545–51

Drosophila melanogaster homologs of the raf oncogene. Mark GE, et al. **Mol Cell Biol** 1987 Jun;7(6):2134–40

Functional simian virus 40 T antigen is expressed in hybrid cells having finite proliferative potential. Pereira-Smith OM, et al. **Mol Cell Biol** 1987 Apr;7(4):1541–4

Induction of c-Ha-ras transcription in rat cells by simian virus 40 large T antigen. Segawa K, et al. **Mol Cell Biol** 1987 Jan;7(1):556–9

Heat shock response of Saccharomyces cerevisiae mutants altered in cyclic AMP-dependent protein phosphorylation. Shin DY, et al. **Mol Cell Biol** 1987 Jan;7(1):244–50

Evidence that the phl gene encodes a 160,000-dalton phosphoprotein with associated kinase activity. Stam K, et al. **Mol Cell Biol** 1987 May;7(5):1955–60

Rescue of chromosomal T-antigen sequences onto extrachromosomally replicating, defective simian virus 40 DNA by homologous recombination [published erratum appears in Mol Cell Biol 1986 Jun;6(6):2285] Subramani S. **Mol Cell Biol** 1986 Apr;6(4):1320–5

Cloning and characterization of BCY1, a locus encoding a regulatory subunit of the cyclic AMP-dependent protein kinase in Saccharomyces cerevisiae. Toda T, et al. **Mol Cell Biol** 1987 Apr;7(4):1371–7

Complementation used to clone a human homologue of the fission yeast cell cycle control gene cdc2. Lee MG, et al. **Nature** 1987 May 7–13;327(6117):31–5

Complete nucleotide sequence of the gene encoding the regulatory subunit of 3',5'-cyclic AMP-dependent protein kinase from the yeast Saccharomyces cerevisiae. Kunisawa R, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):368–9

Deduced primary structure of the beta subunit of brain type II Ca2+/calmodulin-dependent protein kinase determined by molecular cloning. Bennett MK, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1794–8

Complete nucleotide sequence of a gene conferring polymyxin B resistance on yeast: similarity of the predicted polypeptide to protein kinases. Boguslawski G, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5848–52

Homology probing: identification of cDNA clones encoding members of the protein-serine kinase family. Hanks SK. **Proc Natl Acad Sci USA** 1987 Jan;84(2):388–92

Two yeast genes that encode unusual protein kinases. Levin DE, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6035–9

Molecular cloning of a brain-specific calcium/calmodulin-dependent protein kinase. Lin CR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5962–6

Cloning and cDNA sequence of the regulatory subunit of cAMP-dependent protein kinase from Dictyostelium discoideum [published erratum appears in Proc Natl Acad Sci USA 1987 Mar;84(6):1531] Mutzel R, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):6–10

The molecular cloning of a type II regulatory subunit of the cAMP-dependent protein kinase from rat skeletal muscle and mouse brain. Scott JD, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5192–6

Amino acid sequence of the beta subunit of bovine lung casein kinase II. Takio K, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4851–5

Nucleotide sequence of the yeast regulatory gene STE7 predicts a protein homologous to protein kinases. Teague MA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7371–5

Functional analysis of a complementary DNA for the 50-kilodalton subunit of calmodulin kinase II. Hanley RM, et al. **Science** 1987 Jul 17;237(4812):293–7

Neuronal pp60c-src contains a six-amino acid insertion relative to its non-neuronal counterpart. Martinez R, et al. **Science** 1987 Jul 24;237(4813):411–5

ISOLATION & PURIFICATION

Chromatographic separation of two heterogeneous forms of the catalytic subunit of cyclic AMP-dependent protein kinase holoenzyme type I and type II from striated muscle of different mammalian species. Kinzel V, et al. **Arch Biochem Biophys** 1987 Mar;253(2):341–9

Presence of an insulin-stimulated serine kinase in cell extracts from IM-9 cells. Ballotti R, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):179–85

Purification of a bovine liver S6 kinase. Tabarini D, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):891–9

A protein kinase copurified with chick oviduct progesterone receptor. Garcia T, et al. **Biochemistry** 1986 Dec 2; 25(24):7937–42

Isolation and characterization of tropomyosin kinase from chicken embryo. deBelle I, et al. **Biochim Biophys Acta** 1987 Jul 16;925(1):17–26

Monoclonal antibody against the catalytic subunit of bovine heart cAMP-dependent protein kinase and the application of enzyme purification. Mak OT, et al. **Biotechnol Appl Biochem** 1986 Dec;8(6):516–21

A cyclic nucleotide and calcium-independent protein kinase of chick brain: activation by a heat-stable protein. Sparkman DR. **Brain Res** 1986 Oct 15;385(1):51–7

Rat liver nuclear protein kinases NI and NII. Purification, subunit composition, substrate specificity, possible levels of regulation. Delpech M, et al. **Eur J Biochem** 1986 Oct 15;160(2):333–41

Induction, partial purification and characterization of a hamster fibroblast protein kinase activity that phosphorylates ribosomal protein S6. Jakubowicz T, et al. **Eur J Biochem** 1987 Apr 1;164(1):83–8

Characterization of an arginine-specific protein kinase tightly bound to rat liver DNA. Levy-Favatier F, et al. **Eur J Biochem** 1987 Aug 3;166(3):617–21

Calmodulin-dependent multifunctional protein kinase. Evidence for isoenzyme forms in mammalian tissues. Shenolikar S, et al. **Eur J Biochem** 1986 Dec 15; 161(3):739–47

Ca2+/calmodulin-dependent protein kinase in Saccharomyces cerevisiae. Londesborough J, et al. **FEBS Lett** 1987 Jul 13;219(1):249–53

Purification of nuclear cAMP-independent protein kinases from rat ventral prostate. Goueli SA, et al. **Int J Biochem** 1986;18(10):861–73

Purification of cytosolic cAMP-independent protein kinases from rat ventral prostate. Goueli SA, et al. **Int J Biochem** 1986;18(10):875–84

Purification and characterization of the beta-adrenergic receptor kinase. Benovic JL, et al. **J Biol Chem** 1987 Jul 5;262(19):9026–32

Ganglioside-modulated protein phosphorylation. Partial purification and characterization of a ganglioside-stimulated protein kinase in brain. Chan KF. **J Biol Chem** 1987 Apr 15;262(11):5248–55

Purification of catalytic subunit of low density lipoprotein receptor kinase and identification of heat-stable activator protein. Kishimoto A, et al. **J Biol Chem** 1987 Jul 5; 262(19):9367–73

Purification and characterization of Ca2+/calmodulin-dependent protein kinase I from bovine brain. Nairn AC, et al. **J Biol Chem** 1987 May 25; 262(15):7273–81

Protein kinase activity can be separated from the purified activated rat liver glucocorticoid receptor. Perišić O, et al. **J Biol Chem** 1987 Aug 25;262(24):11688–91

Nature and immunochemical characteristics of a Ca2+/calmodulin kinase activity endowed in a highly insoluble protein purified from adult rat brain. Bezamahouta C, et al. **J Neurochem** 1987 Aug;49(2):584–91

Purification of double-stranded RNA-dependent protein kinase from mouse fibroblasts. Samuel CE, et al. **Methods Enzymol** 1986;119:499–516

Partial purification and characterization of cAMP-dependent protein kinase from Fasciola hepatica. Iltzsch MH, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):265–74

Polypeptide-dependent protein kinase from bakers' yeast. Yanagita Y, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):925–9

[Use of monoclonal antibodies for purifying the regulatory subunit of cAMP-dependent protein kinase] Eshba IR, et al. **Biull Eksp Biol Med** 1987 May;103(5):567–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Immunological properties and peptide mapping of two type I casein kinases from yeast. Grankowski N, et al. **Acta Biochim Pol** 1987;34(1):45–9

Detection of protein kinase substrates in extracts of Onchocerca volvulus. Titanji VP, et al. **Acta Trop (Basel)** 1986 Dec;43(4):343–8

Mechanisms and significance of polyamine stimulation of various protein kinase reactions. Ahmed K, et al. **Adv Enzyme Regul** 1986;25:401–21 (83 ref.)

Altered calcium signal transduction after chronic ethanol consumption. Rius RA, et al. **Alcohol** 1986 Jul–Aug; 3(4):233–8

Kinase A does not activate phosphatidylinositol phosphorylation in rat lymphocyte membranes. Coco A, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C883–6

Insulin receptor binding and protein kinase activity in muscles of trained rats. Dohm GL, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 1):E170–5

Cyclic nucleotide-dependent protein kinases in the lower esophageal sphincter. Miller CA, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G794–803

Autophosphorylation and kinase activity of insulin receptor in diabetic rats. Okamoto M, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):E542–50

cAMP-associated inhibition of Na+-H+ exchanger in rabbit kidney brush-border membranes. Weinman EJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F19–25

Protein serine/threonine kinases. Edelman AM, et al. **Annu Rev Biochem** 1987;56:567–613 (616 ref.)

Molecular mechanisms for memory: second-messenger induced modifications of protein kinases in nerve cells. Schwartz JH, et al. **Annu Rev Neurosci** 1987;10:459–76 (137 ref.)

Vaginal fluid adenosine 3',5'-cyclic monophosphate (cAMP) in the rat: interaction with sperm cAMP-dependent protein kinase regulatory subunits. Atherton RW, et al. **Arch Androl** 1986;16(3):215–26

Epididymal sperm cAMP-dependent and cAMP-independent protein kinase activity and phosphorylation in the rat. Curry PT, et al. **Arch Androl** 1986;16(3):227–34

Heparin-activated protein kinase from rabbit muscle: relationship to enzymes of the glycogen synthase kinase-3 category. Ahmad Z, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):329–35

Chloroplast phosphoproteins: phosphorylation of a 12-kDa stromal protein by the redox-controlled kinase of thylakoid membranes. Bhalla P, et al. **Arch Biochem Biophys** 1987 Jan;252(1):97–104

Stromal serine protein kinase activity in spinach chloroplasts. Cortez N, et al. **Arch Biochem Biophys** 1987 May 1; 254(2):504–8

Phosphorylation of rabbit skeletal muscle glycogen synthase by casein kinase 1: evidence of phosphorylation sites specific for casein kinase 1. Guasch MD, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):294–301

Calcium . calmodulin-dependent protein kinase II and calcium . phospholipid-dependent protein kinase activities in rat tissues assayed with a synthetic peptide. Hashimoto Y, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):418–25

Identification of membrane-bound calcium, calmodulin-dependent protein kinase II in canine heart. Jett MF, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):354–60

The cyclic nucleotide-dependent phosphorylation of aortic smooth muscle membrane proteins. Parks TP, et al. **Arch Biochem Biophys** 1987 Jun;255(2):361–71

Synthetic segments of the mammalian beta AR are preferentially recognized by cAMP-dependent protein kinase and protein kinase C. Blake AD, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):168–73

Autophosphorylation of plasma membrane bound calcium calmodulin dependent protein kinase from pea seedlings and modification of catalytic activity by autophosphorylation. Blowers DP, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):691–6

Effect of phosphorylation by different protein kinases on the behaviour of glycogen synthase as a substrate for hepatic synthase phosphatases. Bollen M, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1033–9

Phosphorylation of protamines by protein kinase C: involvement of sites which are phosphorylated in vivo and are not affected by cAMP-dependent protein kinase. Ferrari S, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1324–31

A p60v-src-related tyrosine kinase in the acetylcholine receptor-rich membranes of Narke japonica: association and dissociation of phosphatidylinositol kinase activity. Fukami Y, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):473–9

Phorbol ester, retinoic acid and diacylglycerol decrease ecto- but increase total basal-protein kinase activity of human fibroblasts. Gmeiner BM. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):600–8

Altered properties of cAMP-dependent protein kinase in H-ras-transformed NIH3T3 cells. Hiwasa T, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):787–93

Phosphorylation of brain muscarinic receptor: evidence of receptor regulation. Ho AK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):911–8

Reversible self-phosphorylation of asparaginase complex in Leptosphaeria michotii: characterization of associated protein kinase and protein phosphatase activities. Jerebzoff-Quintin S, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1135–42

2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) enhances antibody production and protein kinase activity in murine B cells. Kramer CM, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):25–33

Phosphorylation of protein tyrosine by human erythrocyte casein kinase A. Lu PW, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):855–60

An activated S6 kinase in regenerating rat liver. Mizuta K, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):239–46

The inhibitory effect of cyclic AMP on phosphatidylinositol kinase is not mediated by the cAMP dependent protein kinase. O'Shea JJ, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):561–7

Isoenzyme-specific phosphorylation of cytochromes P-450 and other drug metabolizing enzymes. Pyerin W, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):885–92

Cellular progesterone receptor phosphorylation in response to ligands activating protein kinases. Rao KV, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1357–65

Phosphorylation of liver pyruvate kinase by Ca++/calmodulin-dependent protein kinase: characterization of two phosphorylation sites. Soderling TR, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1017–23

The type-1 protein phosphatase activating factor FA is a membrane-associated protein kinase in brain, liver, heart and muscles. Yang SD, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):38–46

cAMP-dependent protein kinase isozymes with preference for histone H2B as substrate in mitochondria of bovine heart. Burgess JW, et al. **Biochem Cell Biol** 1987 Feb; 65(2):137–43

Phosphorylation of skeletal and cardiac muscle C-proteins by the catalytic subunit of cAMP-dependent protein kinase. Lim MS, et al. **Biochem Cell Biol** 1986 Jul;64(7):622–30

An ecto-cyclic AMP-independent protein kinase in goat spermatozoa and its change of activity during forward motility. Haldar S, et al. **Biochem Int** 1986 Nov; 13(5):809–17

Tissue distribution of casein kinases [published erratum appears in Biochem 1987 Jan;14(1):187] Nakajo S, et al. **Biochem Int** 1986 Oct;13(4):701–7

Phosphorylation of muscle and non-muscle actins by casein kinase 1 in vitro. Shibayama T, et al. **Biochem Int** 1986 Aug;13(2):367–73

Use of rapid gel-permeation chromatography to explore the inter-relationships between polymerization, phosphorylation and activity of acetyl-CoA carboxylase. Effects of insulin and phosphorylation by cyclic AMP-dependent protein kinase. Borthwick AC, et al. **Biochem J** 1987 Feb 1;241(3):773–82

Species-dependent isoenzyme subtypes of membrane-bound cyclic AMP-dependent protein kinase in highly purified cardiac sarcolemma. Church JG, et al. **Biochem J** 1986 Sep 1;238(2):341–4

A cyclic nucleotide-independent protein kinase in Leishmania donovani. Das S, et al. **Biochem J** 1986 Dec 15;240(3):641–9

Kinase activator protein mediates longer-term effects of starvation on activity of pyruvate dehydrogenase kinase in rat liver mitochondria. Denyer GS, et al. **Biochem J** 1986 Oct 15;239(2):347–54

Effects of low-protein diet and starvation on the activity of branched-chain 2-oxo acid dehydrogenase kinase in rat liver and heart. Espinal J, et al. **Biochem J** 1986 Jul 1; 237(1):285–8

Dependence of urokinase-type-plasminogen-activator induction on cyclic AMP-dependent protein kinase activation in LLC-PK1 cells. Jans DA, et al. **Biochem J** 1987 Apr 15;243(2):413–8

The phosphorylation of ribosomal protein S6 by protein kinases from cells infected with pseudorabies virus. Katan M, et al. **Biochem J** 1986 Oct 1;239(1):205–11

Rat liver glucocorticoid receptor isolated by affinity chromatography is not a Mg2+- or Ca2+-dependent protein kinase. Hapgood JP, et al. **Biochemistry** 1986 Nov 18;25(23):7529–34

Proteolytic activation of the canine cardiac sarcoplasmic reticulum calcium pump. Kirchberger MA, et al. **Biochemistry** 1986 Sep 23;25(19):5484–92

Rhodopsin kinase prepared from bovine rod disk membranes quenches light activation of cGMP phosphodiesterase in a reconstituted system. Sitaramayya A. **Biochemistry** 1986 Sep 23;25(19):5460–8

Predicted structures of cAMP binding domains of type I and II regulatory subunits of cAMP-dependent protein kinase. Weber IT, et al. **Biochemistry** 1987 Jan 27;26(2):343–51

cAMP-dependent protein kinases I and II: divergent turnover of subunits. Weber W, et al. **Biochemistry** 1986 Sep 23;25(19):5661–7

Purification and properties of a multifunctional calcium/calmodulin-dependent protein kinase from rat pancreas. Cohn JA, et al. **Biochim Biophys Acta** 1987 May 18;928(3):320–31

Identification of the 90 kDa substrate of rat liver type II casein kinase with the heat shock protein which binds steroid receptors. Dougherty JJ, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):74–80

Phosphorylation of high-mobility-group protein 14 by two specific kinases modifies its interaction with histone oligomers in free solution. Espel E, et al. **Biochim Biophys Acta** 1987 Aug 25;909(3):190–200

Identification of functional cAMP-dependent protein kinase in a 'neurite minus' mouse neuroblastoma cell line. Liu AY, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):235–9

Phosphorylation of endogenous and exogenous peptides by rat heart sarcolemma. Loten EG, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):324–33

Location of the phosphorylation site for casein kinase-2 within the amino acid sequence of ornithine decarboxylase. Meggio F, et al. **Biochim Biophys Acta** 1987 Jun 15; 929(1):114–6

The substrate specificity of the protein kinase induced in cells infected with herpesviruses: studies with synthetic substrates [corrected] indicate structural requirements distinct from other protein kinases [published erratum appears in Biochem Biophys Acta 1987 Feb 18;927(2):303] Purves FC, et al. **Biochim Biophys Acta** 1986 Nov 28; 889(2):208–15

The assay of the activity of protein kinase C with the synthetic oligopeptide substrate designed for histone kinase II. Romhányi T, et al. **Biochim Biophys Acta** 1986 Oct 10; 888(3):325–31

Protein kinases: a diverse family of related proteins. Taylor SS. **Bioessays** 1987 Jul;7(1):24–9 (30 ref.)

Allosteric activation of rat liver microsomal [hydroxymethylglutaryl-CoA reductase (NADPH)]kinase by nucleoside phosphates. Ferrer A, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):249–57

Catalytic and molecular properties of highly purified phosvitin/casein kinase type II from human epithelial cells in culture (HeLa) and relation to ecto protein kinase. Pyerin W, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):215–27

Protein kinase activities in rat liver nuclei: effects of age and partial hepatectomy. Cumming DV, et al. **Biosci Rep** 1986 Jun;6(6):565–71

Role of cholinergic neuromuscular transmission in the neuroregulation of the autophosphorylatable regulatory subunit of cyclic AMP-dependent protein kinase type II and the acetylcholine receptor content in skeletal muscle. Held IR, et al. **Brain Res** 1987 Mar 31;407(2):341–50

Defects of cyclic adenosine 3',5'-monophosphate-dependent protein kinases in initiated clones derived from BALB/c 3T3 mouse fibroblasts. Hiwasa T, et al. **Cancer Res** 1987 Feb 15;47(4):953–9

Effect of phorbol ester on growth of tumors induced by Rous sarcoma virus and on pp60src kinase activity in these tumors. Poulin L, et al. **Cancer Res** 1987 Jul 15; 47(14):3637–42

Identification of nuclear substrates of the cyclic AMP-dependent protein kinase in Dictyostelium discoideum. Chambers TC, et al. **Cell Differ** 1987 Apr; 20(4):217–30

Differential effects of activators of cAMP-dependent protein kinase and protein kinase C on cleavage of one-cell mouse embryos and protein synthesis and phosphorylation in one- and two-cell embryos. Poueymirou WT, et al. **Dev Biol** 1987 Jun;121(2):489–98

Distribution of cAMP-dependent protein kinase during development in Dictyostelium discoideum. Vaughan RA, et al. **Dev Biol** 1987 Jun;121(2):359–67

Phosphorylation of purified insulin receptor by cAMP kinase. Roth RA, et al. **Diabetes** 1987 Jan;36(1):123–6

Polyamine-enhanced casein kinase II in mouse pancreatic islets. Thams P, et al. **Diabetologia** 1986 Dec;29(12):888–92

Regulation of protein kinase activities in PC12 pheochromocytoma cells. Blenis J, et al. **EMBO J** 1986 Dec 20;5(13):3441–7

Functionally distinct serine phosphorylation sites of p36, the cellular substrate of retroviral protein kinase; differential inhibition of reassociation with p11. Johnsson N, et al. **EMBO J** 1986 Dec 20;5(13):3455–60

Adenovirus VAI RNA complexes with the 68 000 Mr protein kinase to regulate its autophosphorylation and activity. Katze MG, et al. **EMBO J** 1987 Mar;6(3):689–97

Regulation of SV40 DNA replication by phosphorylation of T antigen. Mohr IJ, et al. **EMBO J** 1987 Jan;6(1):153–60

Analysis of acetylcholine receptor phosphorylation sites using antibodies to synthetic peptides and monoclonal antibodies. Safran A, et al. **EMBO J** 1986 Dec 1; 5(12):3175–8

Germ cell stimulation of Sertoli cell protein phosphorylation. Ireland ME, et al. **Endocrinology** 1987 Apr;120(4):1317–26

Calcium-calmodulin-dependent protein kinase in hyperplastic human parathyroid glands. Kinder BK, et al. **Endocrinology** 1987 Jan;120(1):170–7

Ultrastructural localization of cyclic adenosine 3',5'-monophosphate-dependent protein kinase after adrenocorticotropin stimulation in adrenal cortical tumor cells. Murray SA, et al. **Endocrinology** 1987 May; 120(5):1921–7

Phosphorylation of the glycogen-binding subunit of protein phosphatase-1G by cyclic-AMP-dependent protein kinase promotes translocation of the phosphatase from glycogen to cytosol in rabbit skeletal muscle. Hiraga A, et al. **Eur J Biochem** 1986 Dec 15;161(3):763–9

Site specificity of casein kinase-2 (TS) from rat liver cytosol. A study with model peptide substrates. Marin O, et al. **Eur J Biochem** 1986 Oct 15;160(2):239–44

Are calcium-dependent protein kinases involved in the regulation of glycolytic/gluconeogenetic enzymes? Studies with Ca2+/calmodulin-dependent protein kinase and protein kinase C. Mieskes G, et al. **Eur J Biochem** 1987 Sep 1;167(2):383–9

Estrogen stimulates growth of mammary tumor cells ZR-75 without activation of S6 kinase and S6 phosphorylation. Difference from epidermal growth factor and alpha-transforming growth-factor-induced proliferation. Novak-Hofer I, et al. **Eur J Biochem** 1987 Apr 15; 164(2):445–51

Enhanced casein kinase II activity during mouse embryogenesis. Identification of a 110-kDa phosphoprotein as the major phosphorylation product in mouse embryos and Krebs II mouse ascites tumor cells. Schneider HR, et al. **Eur J Biochem** 1986 Dec 15;161(3):733–8

Evidence for an ectophosvitin kinase activity that phosphorylates a 123 kDa endogenous substrate on a human colonic adenocarcinoma cell (HT 29). Fantini J, et al. **Eur J Cell Biol** 1987 Jun;43(3):342–7

Different types of relationship between beta-adrenergic relaxation and activation of cyclic AMP-dependent protein kinase in canine saphenous and portal veins. Kikkawa F, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):187–94

Effect of age on parathyroid hormone and forskolin stimulated adenylate cyclase and protein kinase activity in the renal cortex. Armbrecht HJ, et al. **Exp Gerontol** 1986; 21(6):515–22

Possible target of Abelson virus phosphokinase in cell transformation. Pantelias G, et al. **Experientia** 1986 Sep 15;42(9):1036–8

Temporal relationships in the effects of protein–free diet on the activities of rat liver branched-chain ketoacid dehydrogenase complex and kinase. Beggs M, et al. **FEBS Lett** 1987 May 4;215(1):13–5

Altered protein kinase activities of lymphoid cells transformed by Abelson and Moloney leukemia viruses. Brunati AM, et al. **FEBS Lett** 1986 Sep 29;206(1):59–63

Brain 14–3–3 protein is an activator protein that activates tryptophan 5–monooxygenase and tyrosine 3–monooxygenase in the presence of Ca2+,calmodulin–dependent protein kinase II. Ichimura T, et al. **FEBS Lett** 1987 Jul 13;219(1):79–82

Evidence for a second phosphorylation site on eIF–2 alpha from rabbit reticulocytes. Kudlicki W, et al. **FEBS Lett** 1987 May 4;215(1):16–20

Polycation–dependent, Ca2+–antagonized phosphorylation of calmodulin by casein kinase–2 and a spleen tyrosine protein kinase. Meggio F, et al. **FEBS Lett** 1987 May 11; 215(2):241–6

Type II Ca2+/calmodulin–dependent protein kinase binds to actin filaments in a calmodulin–sensitive manner. Ohta Y, et al. **FEBS Lett** 1986 Nov 24;208(2):423–6

Phosphorylation of the basal site of hormone–sensitive lipase by glycogen synthase kinase–4. Olsson H, et al. **FEBS Lett** 1986 Dec 15;209(2):175–80

Identification of three protein kinases which phosphorylate threonyl–tRNA synthetase from rat liver. Pendergast AM, et al. **FEBS Lett** 1986 Oct 6;206(2):335–8

Activation of S6 kinase activity in astrocytes by insulin, somatomedin C and TPA. Pierre M, et al. **FEBS Lett** 1986 Sep 29;206(1):162–6

Regulation of protein synthesis in rabbit reticulocyte lysates. Thiophosphorylation of initiation factor eIF–2 by heme–regulated protein kinase. Ranu RS. **FEBS Lett** 1986 Nov 10;208(1):117–22

Purification of choline–ethanolamine kinase from chicken liver and its regulation by cAMP. Kulkarni GR, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):90–5

Some basic properties of sheep liver cAMP–dependent protein kinase. Javed MH, et al. **Ital J Biochem** 1986 Jul–Aug;35(4):221–31

Catecholamine activation of the membrane transport of long chain fatty acids in adipocytes is mediated by cyclic AMP and protein kinase. Abumrad NA, et al. **J Biol Chem** 1986 Oct 5;261(28):13082–6

Regulation of adrenergic receptor function by phosphorylation. II. Effects of agonist occupancy on phosphorylation of alpha 1– and beta 2–adrenergic receptors by protein kinase C and the cyclic AMP–dependent protein kinase. Bouvier M, et al. **J Biol Chem** 1987 Mar 5;262(7):3106–13

An insulin–stimulated ribosomal protein S6 kinase in 3T3–L1 cells. Cobb MH. **J Biol Chem** 1986 Oct 5;261(28):12994–9

Evidence for the activation of the multifunctional Ca2+/calmodulin–dependent protein kinase in response to hormones that increase intracellular Ca2+. Connelly PA, et al. **J Biol Chem** 1987 Jul 25;262(21):10154–63

A study of the mechanism of glucagon–induced protein phosphorylation in isolated rat hepatocytes using (Sp)–cAMPS and (Rp)–cAMPS, the stimulatory and inhibitory diastereomers of adenosine cyclic 3',5'–phosphorothioate. Connelly PA, et al. **J Biol Chem** 1987 Mar 25;262(9):4324–32

Phosphorylation of thylakoid proteins by a purified kinase. Coughlan S, et al. **J Biol Chem** 1987 Jun 15;262(17):8402–8

Protein kinases of the thylakoid membrane. Coughlan SJ, et al. **J Biol Chem** 1986 Oct 25;261(30):14062–8

Regulation of acetyl–CoA:1–alkyl–sn–glycero–3–phosphocholine O2–acetyltransferase (lyso–PAF–acetyltransferase) in exocrine glands. Evidence for an activation via phosphorylation by calcium/calmodulin–dependent protein kinase. Domenech C, et al. **J Biol Chem** 1987 Apr 25; 262(12):5671–6

Studies on the interactions between the cyclic nucleotide–binding sites of cGMP–dependent protein kinase. Døskeland SO, et al. **J Biol Chem** 1987 Mar 15; 262(8):3534–40

Phosphorylation of human lysosomal arylsulfatase B by cAMP–dependent protein kinase. Different sites of phosphorylation between normal and cancer tissues. Gasa S, et al. **J Biol Chem** 1987 Jan 25;262(3):1230–8

Short–term feedback regulation of cAMP by accelerated degradation in rat tissues. Gettys TW, et al. **J Biol Chem** 1987 Jan 5;262(1):333–9

Ca2+–independent activation of protease–activated kinase II by phospholipids/diolein and comparison with the Ca2+/phospholipid–dependent protein kinase. Gonzatti–Haces MI, et al. **J Biol Chem** 1986 Nov 15; 261(32):15266–72

A novel Ca2+–dependent protein kinase from Paramecium tetraurelia. Gundersen RE, et al. **J Biol Chem** 1987 Apr 5;262(10):4602–9

Autophosphorylation of Ca2+/calmodulin–dependent protein kinase II. Effects on total and Ca2+–independent activities and kinetic parameters. Hashimoto Y, et al. **J Biol Chem** 1987 Jun 15;262(17):8051–5

Phosphorylation of the 1,4–dihydropyridine receptor of the voltage–dependent Ca2+ channel by an intrinsic protein kinase in isolated triads from rabbit skeletal muscle. Imagawa T, et al. **J Biol Chem** 1987 Jun 15;262(17):8333–9

Phosphorylation state of acetyl–coenzyme A carboxylase. I. Linear inverse relationship to activity ratios at different citrate concentrations. Jamil H, et al. **J Biol Chem** 1987 Jan 15;262(2):630–7

Phosphorylation of serine 833 in cytoplasmic domain of low density lipoprotein receptor by a high molecular weight enzyme resembling casein kinase II. Kishimoto A, et al. **J Biol Chem** 1987 Jan 25;262(3):1344–51

The mechanism of activation of heart fructose 6–phosphate,2–kinase:fructose–2,6–bisphosphatase. Kitamura K, et al. **J Biol Chem** 1987 Jan 15;262(2):679–81

A distinctive phospholipid–stimulated protein kinase of normal and malignant murine hemopoietic cells. Klemm DJ, et al. **J Biol Chem** 1987 Jun 5;262(16):7580–5

Substrate specificity determinants for casein kinase II as deduced from studies with synthetic peptides. Kuenzel EA, et al. **J Biol Chem** 1987 Jul 5;262(19):9136–40

Ascaris suum phosphofructokinase. Phosphorylation by protein kinase and sequence of the phosphopeptide. Kulkarni G, et al. **J Biol Chem** 1987 Jan 5;262(1):32–4

Enhanced activation of cAMP–dependent protein kinase by rapid synthesis and degradation of cAMP. Leiser M, et al. **J Biol Chem** 1986 Nov 25;261(33):15486–90

Purification and characterization of two distinct complexes of assembly polypeptides from calf brain coated vesicles that differ in their polypeptide composition and kinase activities. Manfredi JJ, et al. **J Biol Chem** 1987 Sep 5; 262(25):12182–8

Purification and mechanism of activation of a nerve growth factor–sensitive S6 kinase from PC12 cells. Matsuda Y, et al. **J Biol Chem** 1987 Feb 25;262(6):2832–44

Somatostatin induces translocation of the beta–adrenergic receptor kinase and desensitizes somatostatin receptors in S49 lymphoma cells. Mayor F Jr, et al. **J Biol Chem** 1987 May 15;262(14):6468–71

Insulin stimulation of the insulin receptor kinase can occur in the complete absence of beta subunit autophosphorylation. Morrison BD, et al. **J Biol Chem** 1987 Feb 25;262(6):2861–8

Phosphorylation of ribosomal protein S6 by cAMP–dependent protein kinase and mitogen–stimulated S6 kinase differentially alters translation of globin mRNA. Palen E, et al. **J Biol Chem** 1987 Mar 15;262(8):3518–23

Rapid activation of calmodulin–dependent protein kinase III in mitogen–stimulated human fibroblasts. Correlation with intracellular Ca2+ transients. Palfrey HC, et al. **J Biol Chem** 1987 Jul 15;262(20):9785–92

Multiple kinases and signal transduction. Phosphorylation of the T cell antigen receptor complex. Patel MD, et al. **J Biol Chem** 1987 Apr 25;262(12):5831–8

Smooth muscle myosin light chain kinase. Amino acid sequence at the site phosphorylated by adenosine cyclic 3',5'–phosphate–dependent protein kinase whether or not calmodulin is bound. Payne ME, et al. **J Biol Chem** 1986 Dec 15;261(35):16346–50

Rat pheochromocytoma tyrosine hydroxylase is phosphorylated on serine 40 by an associated protein kinase. Pigeon D, et al. **J Biol Chem** 1987 May 5; 262(13):6155–8

The catalytic requirements for reduction and acetylation of protein X and the related regulation of various forms of resolved pyruvate dehydrogenase kinase. Rahmatullah M, et al. **J Biol Chem** 1987 Jul 25;262(21):10265–71

The interrelationship between cAMP–dependent alpha and beta subunit phosphorylation in the regulation of phosphorylase kinase activity. Studies using subunit specific phosphatases. Ramachandran C, et al. **J Biol Chem** 1987 Mar 5;262(7):3210–8

Analysis of pp60c–src protein kinase activity in human tumor cell lines and tissues. Rosen N, et al. **J Biol Chem** 1986 Oct 15;261(29):13754–9

Cell–free detection and characterization of a novel nerve growth factor–activated protein kinase in PC12 cells. Rowland EA, et al. **J Biol Chem** 1987 Jun 5; 262(16):7504–13

Properties of p19, a novel cAMP–dependent protein kinase substrate protein purified from bovine brain. Schubart UK, et al. **J Biol Chem** 1987 Aug 25;262(24):11871–7

Inhibition of simian virus 40 DNA replication by specific modification of T–antigen with oxidized ATP. Smale ST, et al. **J Biol Chem** 1986 Nov 5;261(31):14369–72

Calcium–dependent isolation of the 36–kilodalton substrate of pp60src–kinase. Fractionation of the phosphorylated and unphosphorylated species. Sorić J, et al. **J Biol Chem** 1986 Nov 5;261(31):14490–5

Differential expression of isoforms of the regulatory subunit of type II cAMP–dependent protein kinase in rat neurons, astrocytes, and oligodendrocytes. Stein JC, et al. **J Biol Chem** 1987 Mar 5;262(7):3002–6

Activation of type I cyclic AMP–dependent protein kinases with defective cyclic AMP–binding sites. Steinberg RA, et al. **J Biol Chem** 1987 Feb 25;262(6):2664–71

The phosphorylation of purified phospholamban by cyclic AMP–dependent protein kinase is stimulated by phosphatidylinositol. Suzuki T, et al. **J Biol Chem** 1987 Mar 15;262(8):3880–5

Phosphorylation of nerve growth factor receptor proteins in sympathetic neurons and PC12 cells. In vitro phosphorylation by the cAMP–independent protein kinase FA/GSK–3. Taniuchi M, et al. **J Biol Chem** 1986 Oct 5; 261(28):13342–9

Alteration of receptor/G–protein interaction by putative endogenous protein kinase activity in Dictyostelium discoideum membranes. Van Haastert PJ. **J Biol Chem** 1987 Mar 5;262(7):3239–43

Tyrosine kinase catalyzed phosphorylation and inactivation of the inhibitor protein of the cAMP–dependent protein kinase. Van Patten SM, et al. **J Biol Chem** 1987 Mar 5; 262(7):3398–403

Liver isozyme of rabbit glycogen synthase. Amino acid sequences surrounding phosphorylation sites recognized by cyclic AMP–dependent protein kinase. Wang YH, et al. **J Biol Chem** 1986 Dec 25;261(36):16909–15

Identification and characterization of a phosphorylation–activated, cyclic AMP and Ca2+–independent protein kinase in the brain. Yang SD, et al. **J Biol Chem** 1987 May 25;262(15):7034–40

Characterization of an autophosphorylation–dependent multifunctional protein kinase from liver. Yang SD, et al. **J Biol Chem** 1987 Jul 5;262(19):9421–7

ATP–dependent protein kinase activities in the oral pathogen Streptococcus mutans. Mimura CS, et al. **J Cell Biochem** 1987 Mar;33(3):161–71

Serum–activated T51B rat liver cells transiently accumulate cyclic AMP–dependent protein kinases on their surfaces during the G1 phase. Kleine LP, et al. **J Cell Physiol** 1987 Aug;132(2):354–8

Ca2+–dependent cell surface protein phosphorylation may be involved in the initiation of DNA synthesis. Kleine LP, et al. **J Cell Physiol** 1986 Dec;129(3):303–9

Phosphorylation of regulatory subunit of type I cyclic AMP–dependent protein kinase: biphasic effects of cyclic AMP in intact S49 mouse lymphoma cells. Russell JL, et al. **J Cell Physiol** 1987 Feb;130(2):207–13

Regulation of inositol 1,4,5–trisphosphate kinase activity after stimulation of human T cell antigen receptor. Imboden JB, et al. **J Clin Invest** 1987 May;79(5):1538–41

cGMP–dependent protein kinase is present in high concentrations in contractile cells of the kidney vasculature. Joyce NC, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986;11(3):191–8

On the role of protein kinase subunits in the control of eukaryotic gene expression. Schlichter D, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(3):149–54 (34 ref.)

Identification of a rat liver cAMP–dependent protein kinase, type II, which binds DNA. Shabb JB, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):253–64

Is cyclic AMP dependent protein kinase responsible for the in vivo phosphorylation of tyrosine aminotransferase? Spielholz C, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(5):395–406

Activity of cyclic GMP–dependent protein kinase in aortae from spontaneously hypertensive rats. Coquil JF, et al. **J Hypertens** 1987 Jun;5(3):347–54

Interleukin 2 activates a receptor–associated protein kinase. Benedict SH, et al. **J Immunol** 1987 Sep 1;139(5):1694–7

Retinoid treatment of human psoriatic fibroblasts induces an increase in cyclic AMP–dependent protein kinase activity. Raynaud F, et al. **J Invest Dermatol** 1987 Jul;89(1):105–10

A Ca2+–dependent protein kinase activity associated with serotonin binding protein. Adlersberg M, et al. **J Neurochem** 1987 Oct;49(4):1105–15

Phosphorylation of purified rat striatal tyrosine hydroxylase by Ca2+/calmodulin–dependent protein kinase II: effect of an activator protein. Atkinson J, et al. **J Neurochem** 1987 Oct;49(4):1241–9

Calcium/calmodulin–dependent protein kinase II in squid synaptosomes. Bass M, et al. **J Neurochem** 1987 Oct; 49(4):1116–23

Polyamine regulation of protein phosphorylation in the brain of the tobacco hornworm, Manduca sexta. Birnbaum MJ, et al. **J Neurochem** 1987 Mar;48(3):935–42

Cyclic AMP–dependent protein phosphorylation in chemosensory neurons: identification of cyclic nucleotide–regulated phosphoproteins in olfactory cilia. Heldman J, et al. **J Neurochem** 1986 Nov;47(5):1527–33

Localization of the phosphorylation sites for different kinases in the microtubule–associated protein MAP2. Hernández MA, et al. **J Neurochem** 1987 Jan;48(1):84–93

Phosphorylation and inactivation of brain glycogen synthase by a multifunctional calmodulin–dependent protein kinase. Inoue N, et al. **J Neurochem** 1987 Mar;48(3):981–8

Phosphorylation of tyrosine hydroxylase by cyclic GMP–dependent protein kinase. Roskoski R Jr, et al. **J Neurochem** 1987 Mar;48(3):840–5

Inactivation and reactivation of the multifunctional calmodulin–dependent protein kinase from brain by autophosphorylation and dephosphorylation: involvement of protein phosphatases from brain. Saitoh Y, et al. **J Neurochem** 1987 Oct;49(4):1286–92

Phosphorylation characteristics of brain clathrin–coated vesicle endogenous proteins. Schook WJ, et al. **J Neurochem** 1987 Aug;49(2):434–41

Independent protein kinases associated with the rat cerebral synaptic junction: comparison with cyclic AMP–dependent and Ca2+/calmodulin–dependent protein kinases in the synaptic junction. Suzuki T, et al. **J Neurochem** 1987 Jun; 48(6):1716–24

Distribution of cAMP and cAMP–dependent protein kinases

in Aplysia sensory neurons. Greenberg SM, et al. **J Neurosci** 1987 Jan;7(1):291–301
The cyclic AMP, the cyclic GMP and the protein kinase system in the rat parotid. Zachariades N, et al. **J Oral Med** 1986 Jul–Sep;41(3):167–9, 209
Regulation of the nicotinic acetylcholine receptor by protein phosphorylation. Huganir RL. **J Recept Res** 1987; 7(1–4):241–56
The Torpedo electrocyte: a model system for the study of receptor–cytoskeleton interactions. Kordeli E, et al. **J Recept Res** 1987;7(1–4):71–88
A kinase able to phosphorylate exogenous protein synthesis initiation factor eIF–2 alpha is present in lysates of mengovirus–infected L cells. Pani A, et al. **J Virol** 1986 Dec;60(3):1012–7
trans–activation of cellular and viral promoters by a transforming nonkaryophilic simian virus 40 large T antigen. Pannuti A, et al. **J Virol** 1987 Apr;61(4):1296–9
Activation of double–stranded RNA–activated protein kinase in HeLa cells after poliovirus infection does not result in increased phosphorylation of eucaryotic initiation factor–2. Ransone LJ, et al. **J Virol** 1987 Jun;61(6):1781–7
Complete interaction of cellular 56,000– and 32,000–Mr proteins with simian virus 40 small–t antigen in productively infected cells. Rundell K. **J Virol** 1987 Apr; 61(4):1240–3
p37mos–associated serine/threonine protein kinase activity correlates with the cellular transformation function of v–mos. Singh B, et al. **J Virol** 1986 Dec;60(3):1148–52
Monoclonal antibodies as probes for a function of large T antigen during the elongation process of simian virus 40 DNA replication. Wiekowski M, et al. **J Virol** 1987 Feb; 61(2):411–8
Change in the activity of the cyclic AMP–dependent protein kinase in antigen–stimulated sensitized mast cells and effect of drugs inhibiting allergic mediator release. Kurosawa M, et al. **Jpn J Pharmacol** 1987 Apr;43(4):454–7
Modulation of the enzymic activity of 3–hydroxy–3–methylglutaryl coenzyme A reductase by multiple kinase systems involving reversible phosphorylation: a review. Beg ZH, et al. **Metabolism** 1987 Sep;36(9):900–17 (139 ref.)
Role of autophosphorylation in regulating calmodulin–dependent protein kinases. Kelly PT, et al. **Methods Enzymol** 1987;139:690–714
Improved purification of the pyruvate dehydrogenase complex from Ascaris suum body wall muscle and characterization of PDHa kinase activity. Thissen J, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):129–38
Effects of glucagon and insulin on the cyclic AMP binding capacity of hepatocyte cyclic AMP–dependent protein kinase. Ciudad CJ, et al. **Mol Cell Biochem** 1987 Jan; 73(1):37–44
Dephosphorylation or antibody binding to the carboxy terminus stimulates pp60c–src. Cooper JA, et al. **Mol Cell Biol** 1986 Dec;6(12):4467–77
Novel serine phosphorylation of pp60c–src in intact cells after tumor promoter treatment. Gentry LE, et al. **Mol Cell Biol** 1986 Feb;6(2):735–8
Binding of polyomavirus large T antigen to the human hsp70 promoter is not required for trans activation. Kingston RE, et al. **Mol Cell Biol** 1986 Sep;6(9):3180–90
T–antigen–DNA polymerase alpha complex implicated in simian virus 40 DNA replication. Smale ST, et al. **Mol Cell Biol** 1986 Nov;6(11):4077–87
Phosphorylation of tyrosine hydroxylase on at least three sites in rat pheochromocytoma PC12 cells treated with 56 mM K+: determination of the sites on tyrosine hydroxylase phosphorylated by cyclic AMP–dependent and calcium/calmodulin–dependent protein kinases. Tachikawa E, et al. **Mol Pharmacol** 1986 Nov;30(5):476–85
cGMP–dependent protein kinase enhances Ca2+ current and potentiates the serotonin–induced Ca2+ current increase in snail neurones. Paupardin–Tritsch D, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):812–4
Regulation of viral and cellular promoter activity by polyomavirus early proteins. Pannuti A, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1595–613
Activation of pp60c–src protein kinase activity in human colon carcinoma. Bolen JB, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2251–5
Consensus topography in the ATP binding site of the simian virus 40 and polyomavirus large tumor antigens. Bradley MK, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4026–30
A protein kinase antigenically related to pp60v–src possibly involved in yeast cell cycle control: positive in vivo regulation by sterol. Dahl C, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4012–6
Polylysine–containing peptides, including the carboxyl–terminal segment of the human c–Ki–ras 2 protein, affect the activity of some key membrane enzymes. Gatica M, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):324–8
Association of p60src with Triton X–100–resistant cellular structure correlates with morphological transformation. Hamaguchi M, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2312–6
Ca2+/calmodulin–dependent protein kinase II: identification of autophosphorylation sites responsible for generation of Ca2+/calmodulin–independence. Lai Y, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5710–4
Activation of the multifunctional Ca2+/calmodulin–dependent protein kinase by autophosphorylation: ATP modulates production of an autonomous enzyme. Lou LL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9497–501
Regulation of nicotinic acetylcholine receptor phosphorylation in rat myotubes by forskolin and cAMP. Miles K, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6591–5
Varicella zoster virus glycoprotein gpI is selectively phosphorylated by a virus–induced protein kinase. Montalvo EA, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8967–71
Effects of 8–bromo–cGMP on Ca2+ levels in vascular smooth muscle cells: possible regulation of Ca2+–ATPase by cGMP–dependent protein kinase. Rashatwar SS, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5685–9
Long–term modulation of Ca2+–stimulated autophosphorylation and subcellular distribution of the Ca2+/calmodulin–dependent protein kinase in the brain of Drosophila. Willmund R, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9789–93
Replication of simian virus 40 origin–containing DNA in vitro with purified proteins. Wobbe CR, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1834–8
Insulin stimulates a membrane–bound serine kinase that may be phosphorylated on tyrosine. Yu KT, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):3972–6
Change of hepatitis B virions (Dane particles) phosphorylation pattern by human hepatoma cell particulate fraction. Lee SC, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):143–7
Role of Ca2+, diacylglycerol and cyclic AMP stimulated protein kinases in hormone action. Garrison JC. **Proc West Pharmacol Soc** 1986;29:311–3
Activation of cyclic AMP dependent protein kinase in rabbit aortic rings by prostaglandin E1 and forskolin is accompanied by contraction and relaxation, respectively. Vegesna RV, et al. **Proc West Pharmacol Soc** 1986;29:39–43
Rapid decrease in the levels of the double–stranded RNA–dependent protein kinase during virus infections. Hovanessian AG, et al. **Virology** 1987 Jul;159(1):126–36
[Role of protein kinases and phosphatases in the regulation of glycogen metabolism] Kuźnicki J, et al. **Postepy Biochem** 1986;32(3):285–99 (46 ref.) **(Pol)**
[Mechanism of cAMP–dependent protein kinase activation. Covalent modification of the holoenzyme by dimethylsuberimidate] Abduragimov AR, et al. **Biokhimiia** 1986 Nov;51(11):1886–92 (Eng. Abstr.) **(Rus)**
[Activation of protein kinase C and cAMP–dependent protein kinase in hormone–dependent mammary gland tumors during stimulation of their growth with progesterone and estrone] Morozova TM, et al. **Biokhimiia** 1986 Oct; 51(10):1624–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reversible activation and inactivation of phosphofructokinase from Ascaris suum by the action of tissue–homologous protein phosphorylating and dephosphorylating enzymes. Daum G, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):215–21
A novel proenkephalin processing carboxypeptidase and its activation by cyclic AMP dependent protein kinase. Ueda H, et al. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):595–602
Intracellular injection of cGMP–dependent protein kinase results in increased input resistance in neurons of the mammalian motor cortex. Woody CD, et al. **Brain Res** 1986 Oct 29;386(1–2):379–85
Phosphorylation of the modulator protein of the ATP, Mg–dependent protein phosphatase by casein kinase TS. Reversal by PCS phosphatases and control by distinct phosphorylation site(s). Agostinis P, et al. **FEBS Lett** 1986 Oct 20;207(1):167–72
Deactivation of photoactivated rhodopsin by rhodopsin–kinase and arrestin. Kühn H, et al. **J Recept Res** 1987;7(1–4):283–98

PHYSIOLOGY

Regulation of lactate dehydrogenase gene expression by cAMP–dependent protein kinase subunits. Jungmann RA, et al. **Ann NY Acad Sci** 1986;478:147–61 (58 ref.)
The relationship between structure and function in cAMP–dependent protein kinases. Taylor SS, et al. **Ann NY Acad Sci** 1986;478:191–202 (59 ref.)
Cyclic AMP–induced expression of the mouse lactate dehydrogenase–A promoter–cat fusion gene in Chinese hamster ovary wild–type cells, but not in cAMP–dependent protein kinase mutant cells. Hou EW, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):501–5
Dual regulation of the yeast CDC28–p40 protein kinase complex: cell cycle, pheromone, and nutrient limitation effects. Mendenhall MD, et al. **Cell** 1987 Sep 11; 50(6):927–35
Cellular signal transduction and the reversal of malignancy. Lockwood AH, et al. **J Cell Biochem** 1987 Apr; 33(4):237–55 (82 ref.)
A major phosphoprotein of cells infected with pseudorabies virus is phosphorylated by cellular casein kinase II. Jakubowicz T, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1159–63
Ciba–Geigy award for outstanding research. Regulation of adrenergic receptor function by phosphorylation. Lefkowitz RJ, et al. **J Mol Cell Cardiol** 1986 Sep; 18(9):885–95
A molecular mechanism for long–term sensitization in Aplysia. Greenberg SM, et al. **Nature** 1987 Sep 3–9; 329(6134):62–5
Neurobiology: molecules underlying memory [news] Kennedy MB. **Nature** 1987 Sep 3–9;329(6134):15–6
Regulation of contractile activity in vascular smooth muscle by protein kinases. Silver PJ. **Rev Clin Basic Pharm** 1985 Jul–Dec;5(3–4):341–95 (219 ref.)
Protein kinases as mediators of hormone action. Murray KJ, et al. **Sci Prog** 1987;71(282 Pt 2):221–38
[Modulation of calcium conductance of the somatic membrane of sensory neurons of the rat upon activation of the adenylate cyclase system] Nalivaĭko ED. **Neirofiziologiia** 1986;18(4):557–60 (Eng. Abstr.) **(Rus)**

PROTEIN–LOSING ENTEROPATHIES

[Exudative enteropathies of lymphatic origin] Hamza M, et al. **Tunis Med** 1987 Jan;65(1):49–51 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Diarrhea and hepatic fibrosis [letter] Ozsoylu S, et al. **J Pediatr** 1986 Nov;109(5):908
Hemorrhage and shock due to intestinal malabsorption. Berezin S, et al. **Pediatr Emerg Care** 1986 Jun;2(2):91–2

DIAGNOSIS

Reassessment of faecal alpha–1–antitrypsin excretion for use as screening test for intestinal protein loss. Quigley EM, et al. **J Clin Pathol** 1987 Jan;40(1):61–6
Anemia and abnormal upper gastrointestinal study in a 15–year–old adolescent [clinical conference] Wakely PE Jr, et al. **J Pediatr** 1987 Jul;111(1):148–53
Protein losing enteropathy as a sole manifestation of non–Hodgkin's lymphoma. Konar A, et al. **Postgrad Med J** 1986 May;62(727):399–400
[Ménétrier disease. Hypertrophic, hypersecretory protein–losing gastropathy] Ritter MM, et al. **Fortschr Med** 1987 Apr 20;105(11):201–3 (Eng. Abstr.) **(Ger)**
[Plasma clearance of alpha 1–antitrypsin. A simple method for the study of intestinal protein loss] Olmos M, et al. **Acta Gastroenterol Latinoam** 1985;15(4):213–9 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Protein–losing enteropathy in acquired immunodeficiency syndrome due to intestinal Kaposi's sarcoma. Laine L, et al. **Arch Intern Med** 1987 Jun;147(6):1174–5
Intestinal lymphangiectasia secondary to radiotherapy and chemotherapy. Rao SS, et al. **Dig Dis Sci** 1987 Aug; 32(8):939–42
Protein losing enteropathy: an unusual presentation of intestinal schistosomiasis. Kiire CF, et al. **Gut** 1987 May; 28(5):616–8

PATHOLOGY

Endothelial lamina in intestinal lymphangiectasia [letter] Asakura H. **Gastroenterology** 1987 Apr;92(4):1097
The presence of lymphangiectasia of the colon [letter] Dobbins WO 3d. **Gastroenterology** 1987 Feb;92(2):556

RADIOGRAPHY

Pediatric hypertrophic gastropathy. Marks MP, et al. **AJR** 1986 Nov;147(5):1031–4

RADIONUCLIDE IMAGING

Technetium–99m albumin scintigraphy in the diagnosis of protein–losing enteropathy. Divgi CR, et al. **J Nucl Med** 1986 Nov;27(11):1710–2

THERAPY

Intestinal lymphangiectasia and bilateral pleural effusions: effect of dietary therapy and surgical intervention on immunologic and pulmonary parameters. Lester LA, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):891–7

VETERINARY

Intestinal lymphangiectasia associated with chylothorax in two dogs. Fossum TW, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):61–4
Intestinal lymphangiectasia with lipogranulomatous lymphangitis in a dog. Meschter CL, et al. **J Am Vet Med Assoc** 1987 Feb 15;190(4):427–30

PROTEIN LYSINE METHYLTRANSFERASE see under **PROTEIN METHYLTRANSFERASES**

PROTEIN METHYLASES see **PROTEIN METHYLTRANSFERASES**

PROTEIN O–METHYLTRANSFERASE see under **PROTEIN METHYLTRANSFERASES**

PROTEIN METHYLTRANSFERASES

ANTAGONISTS & INHIBITORS

Leupeptin and chymostatin inhibit mammalian protein methylesterase activity. Veeraragavan K, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):603–8

Myelin basic protein inhibits histone-specific protein methylase I. Park GH, et al. **Biochim Biophys Acta** 1986 Nov 7;874(1):30–6

Methyltransferase inhibitors block NGF-regulated survival and protein phosphorylation in sympathetic neurons. Acheson A, et al. **EMBO J** 1986 Nov;5(11):2799–803

Correlation between inhibition of myelin basic protein (arginine) methyltransferase by sinefungin and lack of compact myelin formation in cultures of cerebral cells from embryonic mice. Amur SG, et al. **J Neurosci Res** 1986; 16(2):367–76

Protein methylation and protein methylases in Leishmania donovani and Leishmania tropica promastigotes. Paolantonacci P, et al. **Mol Biochem Parasitol** 1986 Oct; 21(1):47–54

BLOOD

Enzymatic methylation of band 3 anion transporter in intact human erythrocytes. Lou LL, et al. **Biochemistry** 1987 Jan 13;26(1):52–9

Conversion of isoaspartyl peptides to normal peptides: implications for the cellular repair of damaged proteins. McFadden PN, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2595–9

ISOLATION & PURIFICATION

Partial purification and characterisation of S-adenosylmethionine:protein-histidine N-methyltransferase from rabbit skeletal muscle. Vijayasarathy C, et al. **Biochim Biophys Acta** 1987 Jan 20; 923(1):156–65

METABOLISM

Protein carboxyl methylation in rat pancreatic islets: possible role in beta-cell function. Campillo JE, et al. **Adv Exp Med Biol** 1986;211:431–42

Time dependence of the methylation of myelin basic protein from bovine brain; evidence for protein-methylarginine demethylation. Young PR, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):200–4

Modification of synthetic peptides related to lactate dehydrogenase (231–242) by protein carboxyl methyltransferase and tyrosine protein kinase: effects of introducing an isopeptide bond between aspartic acid-235 and serine-236. Aswad DW, et al. **Biochemistry** 1987 Feb 10;26(3):675–81

Effect of adenosine analogues on protein carboxylmethyltransferase, S-adenosylhomocysteine hydrolase, and ribonucleotide reductase activity in murine neuroblastoma cells. O'Dea RF, et al. **Cancer Res** 1987 Jul 15;47(14):3656–61

Protein carboxyl methylase in asthenospermia. Cooper EJ, et al. **Clin Reprod Fertil** 1986 Aug;4(4):269–74

Protein methylase II in five taxa from three phyla. Nuske JH. **Comp Biochem Physiol [B]** 1987;86(1):37–47

What is the function of protein carboxyl methylation? van Waarde A. **Comp Biochem Physiol [B]** 1987;86(3):423–38 (173 ref.)

Light-regulated methylation of chloroplast proteins. Black MT, et al. **J Biol Chem** 1987 Jul 15;262(20):9803–7

Protein carboxyl methyltransferase facilitates conversion of atypical L-isoaspartyl peptides to normal L-aspartyl peptides. Johnson BA, et al. **J Biol Chem** 1987 Apr 25; 262(12):5622–9

Partial repair of deamidation-damaged calmodulin by protein carboxyl methyltransferase. Johnson BA, et al. **J Biol Chem** 1987 Sep 5;262(25):12283–7

Regulation and subcellular distribution of a protein methyltransferase and its damaged aspartyl substrate sites in developing Xenopus oocytes. O'Connor CM. **J Biol Chem** 1987 Jul 25;262(21):10398–403

Methylation at specific altered aspartyl and asparaginyl residues in glucagon by the erythrocyte protein carboxyl methyltransferase. Ota IM, et al. **J Biol Chem** 1987 Jun 25;262(18):8522–31

Purification and characterization of the S-adenosylmethionine:glutamyl methyltransferase that modifies membrane chemoreceptor proteins in bacteria. Simms SA, et al. **J Biol Chem** 1987 Jun 25;262(18):8537–43

Beta-adrenergic stimulation of protein (arginine) methyltransferase activity in cultured cerebral cells from embryonic mice. Amur SG, et al. **J Neurosci Res** 1986; 16(2):377–86

Myelin basic protein-specific protein methylase I activity in shiverer mutant mouse brain. Kim S, et al. **J Neurosci Res** 1986;16(2):357–65

Calmodulin as an activator and a substrate of methyltransferase enzymes. Siegel FL, et al. **Methods Enzymol** 1987;139:667–77

Reduced S-adenosylmethionine:protein-lysine N-methyltransferase activity (protein methylase III) in shiverer mutant mouse brain. Chanderkar LP, et al. **Neurochem Res** 1987 May;12(5):445–9

In vitro carboxymethylation of myelin basic protein. Innami T, et al. **Neurosci Res** 1986 Dec;4(2):143–51

The relation between protein carboxyl methylating and demethylating enzyme activities and noradrenaline efflux in platelets. Mattiasson I, et al. **Scand J Clin Lab Invest** 1986 Dec;46(8):731–4

Enzymology of protein methylation. Paik WK, et al. **Yonsei Med J** 1986;27(3):159–77 (129 ref.)

PROTEIN PHOSPHATASES see **PHOSPHOPROTEIN PHOSPHATASES**

PROTEIN PRECURSORS

see related

ENZYME PRECURSORS

Human prothymosin alpha: amino acid sequence and immunologic properties. Pan LX, et al. **Arch Biochem Biophys** 1986 Oct;250(1):197–201

Mitochondrial malate dehydrogenase and its precursor have different conformations. Chien SM, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):313–8

Cloning and sequencing of full-length cDNA encoding the precursor of human complement component C1r. Journet A, et al. **Biochem J** 1986 Dec 15;240(3):783–7

Circular dichroism studies on synthetic peptides corresponding to the cleavage site region of precursor proteins. Reddy GL, et al. **Int J Pept Protein Res** 1987 Apr;29(4):497–503

Structure of the rapeseed 1.7 S storage protein, napin, and its precursor. Ericson ML, et al. **J Biol Chem** 1986 Nov 5;261(31):14576–81

The delineation of a decapeptide gonadotropin-releasing sequence in the carboxyl-terminal extension of the human gonadotropin-releasing hormone precursor. Milton RC, et al. **J Biol Chem** 1986 Dec 25;261(36):16990–7

beta-Hydroxyasparagine in domains homologous to the epidermal growth factor precursor in vitamin K-dependent protein S. Stenflo J, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):368–72

[10 years since the isolation of endogenous opiates] Sonka K, et al. **Cas Lek Cesk** 1986 Oct 3;125(40):1225–9 (Eng. Abstr.) **(Cze)**

ANALYSIS

Immunohistochemical evidence for extrinsic and intrinsic opioid systems in the guinea pig superior cervical ganglion. Kummer W, et al. **Anat Embryol (Berl)** 1986;174(3):401–5

Blood group isoantigen and involucrin expression in cervical intraepithelial neoplasia. Lindgren A, et al. **Anticancer Res** 1987 Mar–Apr;7(2):243–6

DNA hybridization for human papillomavirus (HPV) in cervical lesions. Relationship of the presence of various viral subtypes to expression of HPV structural proteins, involucrin, and carcinoembryonic antigen. Dekmezian R, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):22–7

Target tissue distribution of the proenkephalin peptides F, E, and B. Katzenstein GE, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1184–90

Distribution of immunoreactive peptide B in the rat brain. Lindberg I, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1024–32

Characterization of a novel prepro VIP derived peptide. Yiangou Y, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1142–9

The mode of anchoring and precursor forms of sucrase-isomaltase and maltase-glucoamylase in chicken intestinal brush-border membrane. Phylogenetic implications. Hu CB, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):275–86

Detection of TRH extended peptides in rat hypothalamus using an antibody raised to pGluHisProGlyLys. Cockle SM, et al. **Biosci Rep** 1986 Jun;6(6):519–26

Immunocytochemical analysis of proenkephalin-derived peptides in the amphibian hypothalamus and optic tectum. Merchenthaler I, et al. **Brain Res** 1987 Jul 28;416(2):219–27

Development of specific antisera and a radioimmunoassay procedure for the gonadotropin-releasing hormone associated peptide (GAP) of the LHRH prohormone. Culler MD, et al. **Brain Res Bull** 1986 Aug;17(2):219–23

alpha-Neoendorphin-like immunoreactivity in medullary carcinoma of the thyroid. Ohashi M, et al. **Cancer** 1987 Jan 15;59(2):277–80

Synenkephalin in bovine and human spinal cord. Schoenen J, et al. **Cell Tissue Res** 1986;246(3):641–5

A radioimmunoassay for human pro-luteinizing hormone-releasing factor [pro-LRF(14–69)OH]. Motoyama A, et al. **Endocrinol Jpn** 1987 Feb;34(1):133–7

Identification and characterization of thyrotropin-releasing hormone precursor peptides in rat brain. Wu P, et al. **Endocrinology** 1987 Jul;121(1):108–15

Primary structures of three fragments of proglucagon from the pancreatic islets of the daddy Sculpin (Cottus scorpius). Conlon JM, et al. **Eur J Biochem** 1987 Apr 1;164(1):117–22

Human fibronectin is synthesized as a pre-propolypeptide. Gutman A, et al. **FEBS Lett** 1986 Oct 20;207(1):145–8

Progastrin and its glycine-extended posttranslational processing intermediates in human gastrointestinal tissues. Del Valle J, et al. **Gastroenterology** 1987 Jun;92(6):1908–12

Involucrin expression in cervical intraepithelial neoplasia: a critical evaluation. Elsayed A, et al. **Gynecol Oncol** 1987 Jan;26(1):25–34

Demonstration of pre-S polypeptides of hepatitis B virus in infected livers. Thung SN, et al. **Hepatology** 1986 Nov–Dec;6(6):1315–8

Ontogeny of the bovine neurohypophysial hormone precursors. III. Identification of neurohormones, neurophysins and copeptin in the early bovine fetus. Levy B, et al. **Int J Pept Protein Res** 1987 May;29(5):604–12

Identification and characterization of the nonphosphorylated precursor of pp17, a phosphoprotein associated with phorbol ester induction of growth arrest and monocytic differentiation in HL-60 promyelocytic leukemia cells. Braverman R, et al. **J Biol Chem** 1986 Oct 25; 261(30):14342–8

The biosynthesis of tabtoxinine-beta-lactam. Use of specifically 13C-labeled glucose and 13C NMR spectroscopy to identify its biosynthetic precursors. Unkefer CJ, et al. **J Biol Chem** 1987 Apr 15;262(11):4994–9

The distribution of proenkephalin-derived peptides in the central nervous system of turtles. Reiner A. **J Comp Neurol** 1987 May 1;259(1):65–91

Accumulation of a precursor of subunit S1 of pertussis toxin in cell envelopes of Bordetella pertussis in response to the membrane perturbant phenethyl alcohol. Perera VY, et al. **J Med Microbiol** 1987 May;23(3):269–74

Vitamin K deficiency in the newborn infant: prevalence and perinatal risk factors. Shapiro AD, et al. **J Pediatr** 1986 Oct;109(4):675–80

Acarboxy prothrombin (PIVKA-II) as a marker of hepatoblastoma in infants. Motohara K, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):42–5

Hyperparathyroid glands contain G-17 and G-34 gastrin. Fabri PJ, et al. **J Surg Res** 1986 Sep;41(3):333–7

Characterization of a pre-S polypeptide on the surfaces of infectious avian hepadnavirus particles. Pugh JC, et al. **J Virol** 1987 May;61(5):1384–90

Quantitative studies of the hepatitis B viral pre-S proteins: lack of correlation with the HBeAg status. Hu PS, et al. **J Virol Methods** 1987 May;16(1–2):97–114

Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. Davis CG, et al. **Nature** 1987 Apr 23–29;326(6115):760–5

Use of a cDNA clone to identify a supposed precursor protein containing valosin. Koller KJ, et al. **Nature** 1987 Feb 5–11;325(6104):542–5

Immunohistochemical demonstration of proGnRH and GnRH in the preoptic-basal hypothalamus of the primate. Ronnekleiv OK, et al. **Neuroendocrinology** 1987 Jun; 45(6):518–21

Immunocytochemical localization of the gonadotropin-releasing hormone-associated peptide of the LHRH precursor. Sar M, et al. **Neuroendocrinology** 1987 Feb;45(2):172–5

GnRH-prohormone-containing neurons in the primate brain: immunostaining for the GnRH-associated peptide. Song T, et al. **Peptides** 1987 Mar–Apr;8(2):335–46

Alpha-neo-endorphin coexists with dynorphin-A(1–8) within intramurally lying perikarya of rat duodenum. Wolter HJ. **Peptides** 1986 May–Jun;7(3):389–92

Structure-function analysis of murine interleukin 1: biologically active polypeptides are at least 127 amino acids long and are derived from the carboxyl terminus of a 270-amino acid precursor. DeChiara TM, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8303–7

[Difference in the maturation of the three-domain vasopressin precursor in the guinea-pig and rat: identification of a neurophysin-copeptin fragment in the guinea pig] Chauvet MT, et al. **C R Acad Sci [III]** 1987; 304(1):37–40 (Eng. Abstr.) **(Fre)**

[Immunohistochemical study of the localization of involucrin in squamous cell carcinoma: with special reference to its usefulness in the histological classification of severity and differential histological diagnosis] Mikami H, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):157–60 **(Jpn)**

[PIVKA (protein induced by vitamin K absence or antagonists)] Shirahata A, et al. **Rinsho Byori** 1987 Apr; Spec No 70:108–17 (20 ref.) **(Jpn)**

[Expression of vimentin and prekeratins in solid and ascites variants of Zajdela hepatoma] Karavanova ID, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):462–6 (Eng. Abstr.) **(Rus)**

[Changes in the expression of prekeratins with molecular weight of 55 and 40 kD in monolayer epithelium during skin morphogenesis in rats] Troianovskii SM, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):478–81 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effect of growth environment on spatial expression of involucrin by human epidermal keratinocytes. Watt FM, et al. **Arch Dermatol Res** 1987;279(5):335–40

Cat pancreatic eicosapeptide and its biosynthetic intermediate. Conservation of a monobasic processing site. Nielsen HV, et al. **Biochem J** 1986 Nov 15;240(1):69–74

Characterization of an islet carboxypeptidase B involved in prohormone processing. Mackin RB, et al. **Endocrinology** 1987 Feb;120(2):457–68

Processing of a plant vacuolar protein precursor in vitro. Hattori T, et al. **Eur J Biochem** 1987 Aug 3;166(3):533–8

Reduction of striatal dopaminergic neurotransmission elevates striatal proenkephalin mRNA. Angulo JA, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):341–3

Expression of human pancreatic polypeptide precursors from

a dicistronic mRNA in mammalian cells. Boel E, et al. **FEBS Lett** 1987 Jul 13;219(1):181–8

A dark brown mutant of Bacillus thuringiensis H. 14 synthesising higher level of mosquito larvicidal factor. Balaraman K, et al. **Indian J Med Res** 1987 Mar;85:270–3

Biosynthesis of lipid A precursors in Escherichia coli. A cytoplasmic acyltransferase that converts UDP–N–acetylglucosamine to UDP–3–O–(R–3–hydroxymyristoyl)–N–acetylglucosamine. Anderson MS, et al. **J Biol Chem** 1987 Apr 15;262(11):5159–69

Biosynthesis of lipid A precursors in Escherichia coli. A membrane–bound enzyme that transfers a palmitoyl residue from a glycerophospholipid to lipid X. Brozek KA, et al. **J Biol Chem** 1987 Apr 15;262(11):5170–9

Expression of cDNAs encoding the precursor and the mature form of chicken mitochondrial aspartate aminotransferase in Escherichia coli. Jaussi R, et al. **J Biol Chem** 1987 Sep 15;262(26):12434–7

Sequences distal to the mitochondrial targeting sequences are necessary for the maturation of the F1–ATPase beta–subunit precursor in mitochondria. Vassarotti A, et al. **J Biol Chem** 1987 Jan 5;262(1):411–8

Leukocytes from four patients with complete or partial Leu–CAM deficiency contain the common beta–subunit precursor and beta–subunit messenger RNA. Dana N, et al. **J Clin Invest** 1987 Mar;79(3):1010–5

Proenkephalin biosynthesis in the rat. Howells RD. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:43–65

Integral membrane glycoprotein properties of the prohormone pro–transforming growth factor–alpha. Teixidó J, et al. **Nature** 1987 Apr 30–May 6;326(6116):883–5

Photocrosslinking of the signal sequence of nascent preprolactin to the 54–kilodalton polypeptide of the signal recognition particle. Krieg UC, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8604–8

Depolarizing influences regulate preprotachykinin mRNA in sympathetic neurons. Roach A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5078–81

The effects of 1,25–dihydroxyvitamin D3 on the synthesis of pre–proparathyroid hormone mRNA. Russell J, et al. **Trans Assoc Am Physicians** 1986;99:189–96

[Prekeratin expression of simple epithelia in the cells of long–term cultured epithelial lines of the rat liver] Troianovskiĭ SM. **Tsitologiia** 1987 Jun;29(6):727–31 (Eng. Abstr.) **(Rus)**

BLOOD

Response of plasma glicentin to intraduodenal administration of glucose in piglets. Ohneda A. **Diabetes Res Clin Pract** 1987 Mar–Apr;3(2):97–102

Response of plasma glicentin to fat ingestion in piglets. Ohneda A, et al. **Diabetes Res Clin Pract** 1987 Mar–Apr; 3(2):103–9

Pre–S1 proteins in sera of patients positive for HBsAg and antibodies to hepatitis delta virus. Theilmann L, et al. **Hepatogastroenterology** 1987 Apr;34(2):53–5

Structure of an antifreeze polypeptide precursor from the sea raven, Hemitripterus americanus. Ng NF, et al. **J Biol Chem** 1986 Nov 25;261(33):15690–5

Plasma opioid peptide responses during heat acclimation in humans. Kraemer WJ, et al. **Peptides** 1987 Jul–Aug; 8(4):715–9

Prothymosin alpha in human blood. Panneerselvam C, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4465–9

[Plasma gastrin and progastrin levels in healthy controls and patients with gastrinoma] Azuma T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1407 **(Jpn)**

[Serum vitamin K content in patients with hepatocellular carcinoma with special reference to plasma PIVKA–II levels] Fujiyama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1229 **(Jpn)**

CHEMICAL SYNTHESIS

Synthetic bovine prothrombin precursor 13–29 for studies of vitamin K dependent carboxylase. Pottorf RS, et al. **J Med Chem** 1987 Feb;30(2):445–8

DIAGNOSTIC USE

Comparison of recombinant human immunodeficiency virus gag precursor and gag/env fusion proteins and a synthetic env peptide as diagnostic reagents. Shoeman RL, et al. **Anal Biochem** 1987 Mar;161(2):370–9

Screening for late neonatal vitamin K deficiency by acarboxyprothrombin in dried blood spots. Motohara K, et al. **Arch Dis Child** 1987 Apr;62(4):370–5

GENETICS

Rabbit plasma pretransferrin system: evidence for three new alleles. Varga L, et al. **Anim Genet** 1986;17(3):273–6

Preproparathyroid hormone. A model for analyzing the secretory pathway. Wiren KM, et al. **Ann NY Acad Sci** 1987;493:43–9

Thyroid hormone stimulates rat pro–natriodilatin mRNA levels in primary cardiocyte cultures. Argentin S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1336–41

Effects of oral glucose administration on preproinsulin mRNA in rats in vivo. Fukumoto H, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1201–6

Sequence analysis of cloned cDNA for rat substance P precursor: existence of a third substance P precursor. Kawaguchi Y, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1040–6

Glucocorticoids and cyclic AMP synergistically regulate the abundance of preproenkephalin messenger RNA in neuroblastoma–glioma hybrid cells. Yoshikawa K, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):1–10

Preprotachykinin messenger RNA detected by in situ hybridization in striatal neurons of the human brain. Chesselet MF, et al. **Brain Res** 1987 Apr 28;410(1):83–8

Haloperidol increases proenkephalin mRNA levels in the caudate–putamen of the rat: a quantitative study at the cellular level using in situ hybridization. Romano GJ, et al. **Brain Res** 1987 Apr;388(1):33–41

Translation of mouse testis poly(A)+ mRNAs for testis–specific protein, protamine 1, and the precursor for protamine 2. Kleene KC, et al. **Dev Biol** 1987 Sep; 123(1):125–35

Expression of the cholecystokinin gene in rat brain during development. Duchemin AM, et al. **Dev Neurosci** 1987; 9(1):61–7

Sequence of a placental cDNA encoding the mouse insulin–like growth factor II precursor. Stempien MM, et al. **DNA** 1986 Oct;5(5):357–61

Recombinant forms of M13 procoat with an OmpA leader sequence or a large carboxy–terminal extension retain their independence of secY function. Kuhn A, et al. **EMBO J** 1987 Feb;6(2):501–5

Import of frog prepropeptide GLa into microsomes requires ATP but does not involve docking protein or ribosomes. Schlenstedt G, et al. **EMBO J** 1987 Mar;6(3):699–703

The ATP requiring step in assembly of M13 procoat protein into microsomes is related to preservation of transport competence of the precursor protein. Wiech H, et al. **EMBO J** 1987 Apr;6(4):1011–6

Expression of the prodynorphin gene in male and female mammalian reproductive tissues. Douglass J, et al. **Endocrinology** 1987 Feb;120(2):707–13

Reduced preprosomatostatin messenger ribonucleic acid in the periventricular nucleus of hypophysectomized rats determined by quantitative in situ hybridization. Rogers KV, et al. **Endocrinology** 1987 Jul;121(1):90–3

Suppression by 1,25(OH)2D3 of transcription of the pre–proparathyroid hormone gene. Russell J, et al. **Endocrinology** 1986 Dec;119(6):2864–6

Localization of thyrotropin–releasing hormone prohormone messenger ribonucleic acid in rat brain in situ hybridization. Segerson TP, et al. **Endocrinology** 1987 Jul;121(1):98–107

Identical mRNA for preproglucagon in pancreas and gut. Novak U, et al. **Eur J Biochem** 1987 May 4;164(3):553–8

Role of cell cytoskeleton in Mo–MuLV env transport and processing: implications in ts1 neuropathology. Soong MM, et al. **Exp Mol Pathol** 1987 Jun;46(3):294–311

The azurin gene from Pseudomonas aeruginosa codes for a pre–protein with a signal peptide. Cloning and sequencing of the azurin gene. Canters GW. **FEBS Lett** 1987 Feb 9; 212(1):168–72

The human preproapolipoprotein C–II gene. Complete nucleic acid sequence and genomic organization. Fojo SS, et al. **FEBS Lett** 1987 Mar 9;213(1):221–6

Glucose regulates preproinsulin messenger RNA levels in a clonal cell line of simian virus 40–transformed B cells. Hammonds P, et al. **FEBS Lett** 1987 Mar 9;213(1):149–54

cDNA sequence of human beta–preprotachykinin, the common precursor to substance P and neurokinin A. Harmar AJ, et al. **FEBS Lett** 1986 Nov 10;208(1):67–72

Ventricular atriopeptin. Unmasking of messenger RNA and peptide synthesis by hypertrophy or dexamethasone. Day ML, et al. **Hypertension** 1987 May;9(5):485–91

Synthesis and use of peptide substrates for the isolation and characterization of proenkephalin processing enzymes. Maret G, et al. **Int J Pept Protein Res** 1987 Jun;29(6):734–8

Molecular cloning and sequencing of cDNA encoding goat pre alpha–lactalbumin. Kumagai I, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):511–7

Characterization of a mitochondrial matrix protease catalyzing the processing of adrenodoxin precursor. Kumamoto T, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):247–54

Post–translational processing of the porcine gastrin precursor by phosphorylation of the COOH–terminal fragment. Dockray GJ, et al. **J Biol Chem** 1987 Jun 25;262(18):8643–7

Deletion of the propeptide from human preproapolipoprotein A–II redirects cotranslational processing by signal peptidase. Folz RJ, et al. **J Biol Chem** 1986 Nov 5; 261(31):14752–9

Involvement of ion channels in the induction of proenkephalin A gene expression by nicotine and cAMP in bovine chromaffin cells. Kley N, et al. **J Biol Chem** 1987 Mar 25;262(9):4083–9

Reserpine–induced alterations in the processing of proenkephalin in cultured chromaffin cells. Increased amidation. Lindberg I. **J Biol Chem** 1986 Dec 15; 261(35):16317–22

Effects of prolipoprotein signal peptide mutations on secretion of hybrid prolipo–beta–lactamase in Escherichia coli. Lunn CA, et al. **J Biol Chem** 1987 Jun 15; 262(17):8318–24

Post–translational acquisition of insulin binding activity by the insulin proreceptor. Correlation to recognition by autoimmune antibody. Olson TS, et al. **J Biol Chem** 1987 May 15;262(14):6816–22

Mutations in the NH2–terminal domain of the signal peptide of preproparathyroid hormone inhibit translocation without affecting interaction with signal recognition particle. Szczesna–Skorupa E, et al. **J Biol Chem** 1987 Jun 25; 262(18):8896–900

A yeast mutant defective at an early stage in import of secretory protein precursors into the endoplasmic reticulum. Deshaies RJ, et al. **J Cell Biol** 1987 Aug; 105(2):633–45

The NH2 terminus of preproinsulin directs the translocation and glycosylation of a bacterial cytoplasmic protein by mammalian microsomal membranes. Eskridge EM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2263–72

Direct probing of the interaction between the signal sequence of nascent preprolactin and the signal recognition particle by specific cross–linking. Wiedmann M, et al. **J Cell Biol** 1987 Feb;104(2):201–8

Comparison of the spike precursor sequences of coronavirus IBV strains M41 and 6/82 with that of IBV Beaudette. Binns MM, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2825–31

Transcriptional regulation of the human prointerleukin 1 beta gene. Fenton MJ, et al. **J Immunol** 1987 Jun 1; 138(11):3972–9

Characterization of the two nonallelic genes encoding mouse preproinsulin. Wentworth BM, et al. **J Mol Evol** 1986; 23(4):305–12

Proenkephalin B messenger RNA in porcine tissues: characterization, quantification, and correlation with opioid peptides. Pittius CW, et al. **J Neurochem** 1987 Feb; 48(2):586–92

Proenkephalin A–like mRNA in human leukemia leukocytes and CNS–tissues. Monstein HJ, et al. **Life Sci** 1986 Dec 8;39(23):2237–41

Characterization of the genes encoding the haemolytic toxin and the mosquitocidal delta–endotoxin of Bacillus thuringiensis israelensis. Bourgouin C, et al. **MGG** 1986 Dec;205(3):390–7

Expression and characterization of transforming growth factor alpha precursor protein in transfected mammalian cells. Gentry LE, et al. **Mol Cell Biol** 1987 May; 7(5):1585–91

Preproenkephalin A–derived opioid peptides and mRNA of preproenkephalin A in human pheochromocytomas. Yanase T, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):237–41

Folding and enzymatic processing of precursors of biologically active peptides and proteins. Chaiken IM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:3–20

Structure of pre–pro–von Willebrand factor and its expression in heterologous cells. Bonthron DT, et al. **Nature** 1986 Nov 20–26;324(6094):270–3

A cyclic AMP– and phorbol ester–inducible DNA element. Comb M, et al. **Nature** 1986 Sep 25–Oct 1;323(6086):353–6

The precursor of Alzheimer's disease amyloid A4 protein resembles a cell–surface receptor. Kang J, et al. **Nature** 1987 Feb 19–25;325(6106):733–6

Changes in hypothalamic preproenkephalin A mRNA following stress and opiate withdrawal. Lightman SL, et al. **Nature** 1987 Aug 13–19;328(6131):643–5

Coordinate expression of hypothalamic pro–dynorphin and pro–vasopressin mRNAs with osmotic stimulation. Sherman TG, et al. **Neuroendocrinology** 1986;44(2):222–8

Prodynorphin gene expression is enhanced in the spinal cord of chronic arthritic rats. Höllt V, et al. **Neurosci Lett** 1987 Jan 2;73(1):90–4

Synthesis of a specific oligodeoxyribonucleotide probe and its use for studying proenkephalin A gene expression. Wan DC, et al. **Neurosci Lett** 1987 Apr 23;76(1):74–80

Human epidermal growth factor precursor: cDNA sequence, expression in vitro and gene organization. Bell GI, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8427–46

Precursor–product relationship between vitellogenin and the yolk proteins as derived from the complete sequence of a Xenopus vitellogenin gene. Gerber–Huber S, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4737–60

TaqI polymorphism at the 3' end of the human pronatriodilatin gene (hPND). Nemer M, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8697

XhoI polymorphism at the human pronatriodilatin (hPND) gene locus. Nemer M, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8696

Nucleotide sequence of a full–length cDNA clone encoding preproparathyroid hormone from pig and rat. Schmelzer HJ, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6740

A novel chlorophyll a/b binding (Cab) protein gene from petunia which encodes the lower molecular weight Cab precursor protein. Stayton MM, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9781–96

Cloning and sequence analysis of cDNA for the canine neurotensin/neuromedin N precursor. Dobner PR, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3516–20

The human prothymosin alpha gene is polymorphic and induced upon growth stimulation: evidence using a cloned cDNA. Eschenfeldt WH, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9403–7

Soluble factors stimulating secretory protein translocation in bacteria and yeast can substitute for each other. Fecycz IT, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3723–7

Cloning and characterization of human liver cDNA encoding a protein S precursor. Hoskins J, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):349–53

Differential expression of opioid peptide genes by testicular germ cells and somatic cells. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5695–9

Three rat preprotachykinin mRNAs encode the neuropeptides substance P and neurokinin A. Krause JE, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):881–5

Sporulation-specific sigma factor sigma 29 of Bacillus subtilis is synthesized from a precursor protein, P31. LaBell TL, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1784–8

Structure and expression of the gene encoding the vasoactive intestinal peptide precursor. Linder S, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):605–9

Poliovirus polypeptide precursors: expression in vitro and processing by exogenous 3C and 2A proteinases. Nicklin MJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4002–6

Magainins, a class of antimicrobial peptides from Xenopus skin: isolation, characterization of two active forms, and partial cDNA sequence of a precursor. Zasloff M. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5449–53

A deletion truncating the gonadotropin-releasing hormone gene is responsible for hypogonadism in the hpg mouse. Mason AJ, et al. **Science** 1986 Dec 12;234(4782):1366–71

IMMUNOLOGY

Proteins antigenically related to peptides encoded by the mouse mammary tumour virus long terminal repeat sequence are associated with intracytoplasmic A particles. Smith GH, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):473–86

Detection of antibodies against pre-S1 proteins in sera of patients with hepatitis B virus (HBV) infection. Theilmann L, et al. **J Hepatol** 1987 Feb;4(1):22–8

Merozoite surface coat precursor protein completely protects Aotus monkeys against Plasmodium falciparum malaria. Siddiqui WA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):3014–8

[Unmasking of one of the prekeratin antigenic determinants with molecular weight of 40 kD in the developing epithelium of the rat lung] Troianovskii SM, et al. **Dokl Akad Nauk SSSR** 1987;292(4):1000–2 **(Rus)**

ISOLATION & PURIFICATION

Chinchilla "big" and "little" gastrins. Shinomura Y, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):7–14

A new class of soluble basic protein precursors of the cornified envelope of mammalian epidermis. Baden HP, et al. **Biochim Biophys Acta** 1987 Jul 16;925(1):63–73

Isolation and characterization of the intact gastrin precursor from a gastrinoma. Desmond H, et al. **FEBS Lett** 1987 Jan 5;210(2):185–8

Purification and characterization of a proline-rich secretory protein that is a precursor to a structural protein of an insect spermatophore. Shinbo H, et al. **J Biol Chem** 1987 Apr 5;262(10):4794–9

Identification of the primary translation product of atrial natriuretic peptide receptor mRNA in a cell-free system using anti-receptor antiserum. Uchida K, et al. **J Biol Chem** 1987 Sep 15;262(26):12401–2

Affinity purification of synenkephalin-containing peptides, including a novel 23.3-kilodalton species. Metters KM, et al. **J Neurochem** 1987 Sep;49(3):721–8

Identification and purification of two precursors of the insect neuropeptide adipokinetic hormone. Hekimi S, et al. **J Neurosci** 1987 Sep;7(9):2773–84

A common precursor to two major crab neurosecretory peptides. Stuenkel EL. **Peptides** 1986 May–Jun; 7(3):397–406

Preprocholecystokinin processing in the normal human anterior pituitary. Rehfeld JF. **Proc Natl Acad Sci USA** 1987 May;84(9):3019–23

METABOLISM

Proapolipoprotein-converting enzymes and high-density lipoprotein early events in biogenesis. Scann AM. **Am Heart J** 1987 Feb;113(2 Pt 2):527–32 (27 ref.)

A serum protease cleaves proANF into a 14-kilodalton peptide and ANF. Bloch KD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E147–51

Biological activity of progastrin posttranslational processing intermediates. Matsumoto M, et al. **Am J Physiol** 1987 Mar; 252(3 Pt 1):G315–9

Peptide precursor processing enzymes within secretory vesicles. Loh YP. **Ann NY Acad Sci** 1987;493:292–307 (83 ref.)

Characterization of an enzyme that is capable of processing pro-gonadotropin-releasing hormone protein. Palen TE, et al. **Arch Biochem Biophys** 1986 Dec;251(2):543–50

Immunologic detection of markers of keratinocyte differentiation [letter] Murphy GF, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):991–2

C-terminally extended ocytocin and pro-oxytocin: neurophysin peptide converting enzyme in bovine corpus luteum [published erratum appears in Biochem Biophys Res Commun 1987 May 14;144(3):1349] Clamagirand C, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):789–96

GnRH-associated peptide (GAP) is cosecreted with GnRH into the hypophyseal portal blood of ovariectomized sheep. Clarke IJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):665–71

Identification of a peptidase which processes atrial natriuretic factor precursor to its active form with 28 amino acid residues in particulate fractions of rat atrial homogenate. Imada T, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):587–92

A novel proenkephalin processing carboxypeptidase and its activation by cyclic AMP dependent protein kinase. Ueda H, et al. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):595–602

Biosynthesis and degradation of peptides derived from Xenopus laevis prohormones. Giovannini MG, et al. **Biochem J** 1987 Apr 1;243(1):113–20

Characterization of the N-linked high-mannose oligosaccharides of the insulin pro-receptor and mature insulin receptor subunits. McElduff A, et al. **Biochem J** 1986 Nov 1;239(3):679–83

The propeptide Asn1-Tyr126 is the storage form of rat atrial natriuretic factor. Thibault G, et al. **Biochem J** 1987 Jan 1;241(1):265–72

Studies on the activity of L-threo-3,4-dihydroxyphenylserine (L-DOPS) as a catecholamine precursor in the brain. Comparison with that of L-dopa. Kato T, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3051–7

Association of protein C23 with rapidly labeled nucleolar RNA. Herrera AH, et al. **Biochemistry** 1986 Oct 7; 25(20):6258–64

Optimal posttranslational translocation of the precursor of PhoE protein across Escherichia coli membrane vesicles requires both ATP and the protonmotive force. De Vrije T, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):63–72

Proteolytic events in the post-translational processing of polypeptide hormone precursors. Cohen P. **Biochimie** 1987 Feb;69(2):87–9

A solution hybridization assay for the quantitation of prodynorphin mRNA. Devi L, et al. **Brain Res** 1987 Jul; 388(2):173–6

Single and repeated electroconvulsive shock differentially affects the prodynorphin and pro-opiomelanocortin system in the rat. Lasoń W, et al. **Brain Res** 1987 Feb 17; 403(2):301–7

Different transforming growth factor-alpha species are derived from a glycosylated and palmitoylated transmembrane precursor. Bringman TS, et al. **Cell** 1987 Feb 13;48(3):429–40

Recognition site directing vitamin K-dependent gamma-carboxylation resides on the propeptide of factor IX. Jorgensea MJ, et al. **Cell** 1987 Jan 30;48(2):185–91

Mitochondrial protein import: nucleoside triphosphates are involved in conferring import-competence to precursors. Pfanner N, et al. **Cell** 1987 Jun 19;49(6):815–23

Intracellular precursor forms of plasma proteins: their functions and possible occurrence in plasma. Peters T Jr. **Clin Chem** 1987 Aug;33(8):1317–25 (110 ref.)

Early O-glycosidic glycosylation of proglucagon in pancreatic islets: an unusual type of prohormonal modification. Patzelt C, et al. **EMBO J** 1986 Sep; 5(9):2103–8

Potential precursors to neuromedin N in the cat and their processing by pepsin. Carraway RE, et al. **Endocrinology** 1987 May;120(5):2101–7

Species-specific processing of prodynorphin in the posterior pituitary of mammals. Dores RM, et al. **Endocrinology** 1987 Jan;120(1):230–8

Response of rat pituitary anterior lobe prodynorphin products to changes in gonadal steroid environment. Molineaux CJ, et al. **Endocrinology** 1986 Nov; 119(5):2297–305

Proglucagon processing in a rat islet cell line resembles phenotype of intestine rather than pancreas. Philippe J, et al. **Endocrinology** 1986 Dec;119(6):2833–9

Processing of luteinizing hormone-releasing hormone precursor in rat neurons. Rubin BS, et al. **Endocrinology** 1987 Jul;121(1):305–9

Specific processing of the thyrotropin-releasing prohormone in rat brain and spinal cord. Cockle SM, et al. **Eur J Biochem** 1987 Jun 15;165(3):693–8

Processing of a plant vacuolar protein precursor in vitro. Hattori T, et al. **Eur J Biochem** 1987 Aug 3;166(3):533–8

Pharmacological properties of a proenkephalin A-derived opioid peptide: BAM 18. Hurlbut DE, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):359–66

Conformation limited proteolysis in the common neurophysin-copeptin precursor shown by trypsin-sepharose chromatographic proteolysis. Chauvet J, et al. **FEBS Lett** 1987 Jun 15;217(2):180–3

Precursors of mitochondrial proteins are degraded in the cytosol at different rates. Felipo V, et al. **FEBS Lett** 1986 Dec 15;209(2):227–30

Brefeldin A arrests the intracellular transport of a precursor of complement C3 before its conversion site in rat hepatocytes. Oda K, et al. **FEBS Lett** 1987 Apr 6; 214(1):135–8

Precursors for peptide hormones share common secondary structures forming features at the proteolytic processing sites. Rholam M, et al. **FEBS Lett** 1986 Oct 20;207(1):1–6

Effects of bombesin on the release of glycine-extended progastrin (gastrin G) in rat antral tissue culture. Azuma T, et al. **Gastroenterology** 1987 Aug;93(2):322–9

Biosynthesis of gastrin. Localization of the precursor and peptide products using electron microscopic-immunogold methods. Rahier J, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1146–52

Immunoreactivity of involucrin in cervical condyloma and intraepithelial neoplasia. Saito K, et al. **Int J Gynecol Pathol** 1986;5(4):308–18

Effects of nucleotides on ATP-dependent protein translocation into Escherichia coli membrane vesicles. Chen L, et al. **J Bacteriol** 1986 Nov;168(2):828–32

Nascent secretory polypeptides synthesized on Escherichia coli ribosomes are not translocated across mammalian endoplasmic reticulum. Ibrahimi I, et al. **J Bacteriol** 1987 Apr;169(4):1603–10

Inhibition of purified Escherichia coli leader peptidase by the leader (signal) peptide of bacteriophage M13 procoat. Wickner W, et al. **J Bacteriol** 1987 Aug;169(8):3821–2

Immunoblotting analysis of plasma protein processing in the secretory pathway of rat liver: identification of proteolytic conversion sites of complement pro-C3 and prohaptoglobin. Oda K, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1669–75

Processing-independent in vitro translocation of cytochrome P-450(SCC) precursor across mitochondrial membranes. Ou WJ, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1287–96

Post-translational processing of preprosomatostatin-II examined using fast atom bombardment mass spectrometry. Andrews PC, et al. **J Biol Chem** 1987 Sep 15; 262(26):12692–9

Myeloperoxidase precursors incorporate heme. Arnljots K, et al. **J Biol Chem** 1987 Aug 5;262(22):10430–3

An investigation of the molecular properties and stability of intermediates of proenkephalin in isolated bovine adrenal medullary chromaffin granules. Birch NP, et al. **J Biol Chem** 1987 Mar 5;262(7):3382–7

Proatrial natriuretic factor is phosphorylated by rat cardiocytes in culture. Bloch KD, et al. **J Biol Chem** 1987 Jul 25;262(21):9956–61

Identification of a substrate site for liver transglutaminase on the aminopropeptide of type III collagen. Bowness JM, et al. **J Biol Chem** 1987 Jan 25;262(3):1022–4

Import of proteins into chloroplasts. Membrane integration of a thylakoid precursor protein reconstituted in chloroplast lysates. Cline K. **J Biol Chem** 1986 Nov 5;261(31):14804–10

Mg(II) binding by bovine prothrombin fragment 1 via equilibrium dialysis and the relative roles of Mg(II) and Ca(II) in blood coagulation. Deerfield DW 2d, et al. **J Biol Chem** 1987 Mar 25;262(9):4017–23

In vitro synthesis of bean (Phaseolus vulgaris) chloroplastic and cytoplasmic leucyl-tRNA synthetases. Characterization and processing of a precursor polypeptide for the chloroplast enzyme. Dietrich A, et al. **J Biol Chem** 1987 Mar 25;262(9):4248–51

Biosynthesis of rat alpha 1-macroglobulin. Identification of an intracellular precursor. Geiger T, et al. **J Biol Chem** 1987 Apr 15;262(11):4973–7

Amino-terminal deletions in the presequence of an imported mitochondrial protein block the targeting function and proteolytic cleavage of the presequence at the carboxy terminus. Hurt EC, et al. **J Biol Chem** 1987 Jan 25; 262(3):1420–4

Direct evidence for two distinct prosomatostatin converting enzymes. Detection using a rapid, sensitive, and specific assay for propeptide converting enzymes. Mackin RB, et al. **J Biol Chem** 1987 May 15;262(14):6453–6

The interleukin-1 receptor binds the human interleukin-1 alpha precursor but not the interleukin-1 beta precursor. Mosley B, et al. **J Biol Chem** 1987 Mar 5;262(7):2941–4

Progesterone receptor synthesis and degradation in MCF-7 human breast cancer cells as studied by dense amino acid incorporation. Evidence for a non-hormone binding receptor precursor. Mullick A, et al. **J Biol Chem** 1986 Oct 5;261(28):13236–46

Cellular peptide processing after a single arginyl residue. Studies on the common precursor for pancreatic polypeptide and pancreatic icosapeptide. Schwartz TW. **J Biol Chem** 1987 Apr 15;262(11):5093–9

Cell-specific processing of preprosomatostatin in cultured neuroendocrine cells. Severino KA, et al. **J Biol Chem** 1987 Apr 15;262(11):4987–93

Determination of the carboxyl termini of the alpha and beta subunits of yeast K1 killer toxin. Requirement of a carboxypeptidase B-like activity for maturation. Zhu H, et al. **J Biol Chem** 1987 Aug 5;262(22):10728–32

Signal recognition particle causes a transient arrest in the biosynthesis of prepromelittin and mediates its translocation across mammalian endoplasmic reticulum. Ibrahimi I. **J Cell Biol** 1987 Jan;104(1):61–6

Cotranslational and posttranslational proteolytic processing of preprosomatostatin-I in intact islet tissue. Noe BD, et al. **J Cell Biol** 1986 Oct;103(4):1205–11

Protein translocation across the yeast microsomal membrane is stimulated by a soluble factor. Waters MG, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2629–36

Localization of preproenkephalin mRNA in the rat brain and spinal cord by in situ hybridization. Harlan RE, et al. **J Comp Neurol** 1987 Apr 8;258(2):159–84

Glutamine starvation of murine leukaemia virus-infected cells inhibits the readthrough of the gag-pol genes and proteolytic processing of the gag polyprotein. Gloger I, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2207–13

Identification and subcellular distribution of cornified envelope precursor proteins in the transformed human keratinocyte line SV-K14. Michel S, et al. **J Invest Dermatol** 1987 Mar;88(3):301–5

Distribution pattern of metorphamide compared with other opioid peptides from proenkephalin and prodynorphin in the bovine brain. Sonders M, et al. **J Neurochem** 1987 Sep;

49(3):671–80
Proteolytic processing of the Aplysia egg–laying hormone and R3–14 neuropeptide precursors. Newcomb R, et al. **J Neurosci** 1987 Mar;7(3):854–63
Involucrin expression in vulvar lesions. de Oliveira JM, et al. **J Reprod Med** 1986 Sep;31(9):828–30
Processing determinants required for in vitro cleavage of the poliovirus P1 precursor to capsid proteins. Ypma–Wong MF, et al. **J Virol** 1987 Oct;61(10):3181–9
Proteolytic processing of atriopeptin prohormone. Michener ML, et al. **Mol Pharmacol** 1986 Dec;30(6):552–7
The mechanism of chromogranin A processing [letter] Hutton JC, et al. **Nature** 1987 Feb 26–Mar 4;325(6107):766
Opiates induce long–term increases in prodynorphin–derived peptide levels in the guinea–pig myenteric plexus. Schulz R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):381–6
Ca2+–dependent histaminergic regulation of proenkephalin mRNA levels in cultured adrenal chromaffin cells. Kley N, et al. **Neuroendocrinology** 1987 Jun;46(1):89–92
Evidence for the expression of peptides derived from three opioid precursors in NG 108CC15 hybrid cells. Dandekar T, et al. **Neuropeptides** 1987 Jan;9(1):25–32
Distribution of the C–terminal glycopeptide of the vasopressin prohormone in rat brain: an immunocytochemical study. Dubois–Dauphin M, et al. **Neuroscience** 1987 Jun;21(3):903–21
Expression of porcine pancreatic phospholipase A2. Generation of active enzyme by sequence–specific cleavage of a hybrid protein from Escherichia coli. de Geus P, et al. **Nucleic Acids Res** 1987 May 11;15(9):3743–59
Processing of the precursor to the major merozoite surface antigens of Plasmodium falciparum. Holder AA, et al. **Parasitology** 1987 Apr;94 (Pt 2):199–208
Artificial mitochondrial presequences. Allison DS, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9011–5
Trigger factor: a soluble protein that folds pro–OmpA into a membrane–assembly–competent form. Crooke E, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5216–20
Reflex splanchnic nerve stimulation increases levels of proenkephalin A mRNA and proenkephalin A–related peptides in the rat adrenal medulla. Kanamatsu T, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9245–9
The proenkephalin A fragment peptide E is metabolized centrally to a novel peptide with opioid activity. Davis TP, et al. **Proc West Pharmacol Soc** 1987;30:321–5
Glucagon, glicentin, proglucagon, PYY, PP and proPP–icosapeptide immunoreactivities of rectal carcinoid tumors and related non–tumor cells. Fiocca R, et al. **Regul Pept** 1987 Jan;17(1):9–29
Immunohistochemical observations of keratins, involucrin, and epithelial membrane antigen in urinary bladder carcinomas from patients infected with Schistosoma haematobium. Fukushima S, et al. **Virchows Arch [A]** 1987; 411(2):103–15
Expression of the C–terminal peptide of human pro–bombesin in 361 lung endocrine tumours, a reliable marker and possible prognostic indicator for small cell carcinoma. Hamid QA, et al. **Virchows Arch [A]** 1987;411(2):185–92
[Demonstration of a TRH precursor in the pancreas of the newborn rat] Ouafik L, et al. **Ann Endocrinol (Paris)** 1986; 47(1):43–4 (Eng. Abstr.) **(Fre)**
[Immunocytochemical detection of involucrin in precancerous and cancerous non–pigmented conjunctival tumors] Holbach L, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):128–32 (Eng. Abstr.) **(Ger)**
[Effect of the quality and quantity of dietary proteins on vitamin A depletion rate, and biological availability of vitamin A precursors] Wolzak A, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):415–31 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Human prepro atrial natriuretic factors 26–55, 56–92, and 104–123 increase renal guanylate cyclase activity. Vesely DL, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):186–93
Leumorphin, a novel opioid peptide, promotes lordosis in female rats. Sakuma Y, et al. **Brain Res** 1987 Mar 31; 407(2):401–4
The effect of dietary zinc and prothymosin alpha on cellular immune responses of RF/J mice. Salvin SB, et al. **Clin Immunol Immunopathol** 1987 Jun;43(3):281–8
Pharmacological properties of a proenkephalin A–derived opioid peptide: BAM 18. Hurlbut DE, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):359–66
Endogenous opioids and opiate antagonists modulate the blood pressure of the spontaneously hypertensive rat. Levin ER, et al. **Peptides** 1986 Nov–Dec;7(6):977–81
Inhibition of secretion of hepatitis B surface antigen by a related presurface polypeptide. Persing DH, et al. **Science** 1986 Dec 12;234(4782):1388–91

PHYSIOLOGY

Potent action of leumorphin on consummatory behaviors in rats: comparison with other opioid peptides. Imura H, et al. **Neuroendocrinology** 1986;44(2):142–8
Neutralization of heparin by prothrombin activation products. Pieters J, et al. **Thromb Res** 1987 Mar 1; 45(5):573–80

SECRETION

Preproenkephalin B–derived opioid peptides in human phaeochromocytomas. Yanase T, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):446–51
GnRH–associated peptide (GAP) is cosecreted with GnRH into the hypophyseal portal blood of ovariectomized sheep. Clarke IJ, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):665–71
Secretion and biosynthesis of COOH–terminal glycine extended progastrin (gastrin–G) in rat gastric antrum. Azuma T. **Gastroenterol Jpn** 1987 Apr;22(2):149–57
Secretion of glicentin in response to hypoglycemia in pigs. Ohneda A, et al. **Horm Metab Res** 1987 Feb;19(2):85–6
The in vitro release of immunoreactive dynorphin and alpha–neoendorphin from the perfused rat duodenum. Majeed NH, et al. **Life Sci** 1987 Jul 27;41(4):497–504

TOXICITY

Five–month oral (diet) toxicity/infectivity study of Bacillus thuringiensis insecticides in sheep. Hadley WM, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):236–42

PROTEIN PROCESSING, POST–TRANSLATIONAL

Processing of apolipoprotein B–100 of human plasma low density lipoproteins by tissue and plasma kallikreins. Cardin AD, et al. **Adv Exp Med Biol** 1986;198 Pt A:195–202
Limited proteolysis of HMW kininogen by plasma kallikrein in man—evidence for a processing mechanism different from the bovine system. Müller–Esterl W, et al. **Adv Exp Med Biol** 1986;198 Pt A:97–103
Synthesis and postsynthetic processing of platelet GPIIb–IIIa in human megakaryocyte. Duperray A, et al. **Agents Actions [Suppl]** 1986;20:63–8
Peptide precursor processing enzymes within secretory vesicles. Loh YP. **Ann NY Acad Sci** 1987;493:292–307 (83 ref.)
The role of secretory granules in peptide biosynthesis. Mains RE, et al. **Ann NY Acad Sci** 1987;493:278–91
Evidence for the involvement of an acidic compartment in the processing of myeloperoxidase in human promyelocytic leukemia HL–60 cells. Akin DT, et al. **Arch Biochem Biophys** 1987 Jun;255(2):428–36
Post–translational modifications of chloroperoxidase from Caldariomyces fumago. Kenigsberg P, et al. **Arch Biochem Biophys** 1987 May 1;254(2):409–15
Post–translational events in proteoglycan synthesis: kinetics of synthesis of chondroitin sulfate and oligosaccharides on the core protein. Lohmander LS, et al. **Arch Biochem Biophys** 1986 Oct;250(1):211–27
Possible processing of mitochondria–bindable hexokinase to the nonbindable form by a lysosomal protease in rat liver. Yokoyama–Sato K, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):56–62
Studies on immunological properties of enolase from carp muscles (Cyprinus carpio) after chemical modification of some amino–acid residues. Kustrzeba–Wójcicka I, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):93–9
Translation, post–translational processing, and mitochondrial translocation of yeast iso–1–cytochrome c. Sherman F. **Basic Life Sci** 1986;40:533–44
Characterization of sites of tyrosine sulfation in proteins and criteria for predicting their occurrence. Hortin G, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):326–33
Variability in the posttranslational processing of penicillin–binding protein 1b among different strains of Escherichia coli. Rojo F, et al. **Biochem Cell Biol** 1987 Jan;65(1):62–7
Post–translational modification of the major human surfactant–associated proteins. Phelps DS, et al. **Biochem J** 1986 Jul 15;237(2):373–7
Effect of isomers of swainsonine on glycosidase activity and glycoprotein processing. Elbein AD, et al. **Biochemistry** 1987 May 5;26(9):2502–10
Evidence for posttranslational O–glycosylation of fetuin. Johnson WV, et al. **Biochemistry** 1986 Sep 23; 25(19):5518–25
Optimal posttranslational translocation of the precursor of PhoE protein across Escherichia coli membrane vesicles requires both ATP and the protonmotive force. De Vrije T, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):63–72
Oligosaccharyl transferase: the central enzyme in the pathway of glycoprotein assembly. Kaplan HA, et al. **Biochim Biophys Acta** 1987 Jun 24;906(2):161–73 (56 ref.)
Kinetic analysis of glycation as a tool for assessing the half–life of proteins. Schleicher E, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):199–205
Proteolytic events in the post–translational processing of polypeptide hormone precursors. Cohen P. **Biochimie** 1987 Feb;69(2):87–9
Posttranslational modification as a means of anchoring acetylcholinesterase to the cell surface. Silman I, et al. **Biopolymers** 1987;26 Suppl:S241–53
In vitro studies on the subcellular location of glucosidase I and glucosidase II in dog pancreas. Bause E, et al. **Biosci Rep** 1986 Sep;6(9):827–34
Semi–intact cells permeable to macromolecules: use in reconstitution of protein transport from the endoplasmic reticulum to the Golgi complex. Beckers CJ, et al. **Cell** 1987 Aug 14;50(4):523–34
Yeast KEX1 gene encodes a putative protease with a carboxypeptidase B–like function involved in killer toxin and alpha–factor precursor processing. Dmochowska A, et al. **Cell** 1987 Aug 14;50(4):573–84
Distinct sequence determinants direct intracellular sorting and modification of a yeast vacuolar protease. Johnson LM, et al. **Cell** 1987 Mar 13;48(5):875–85
Recognition site directing vitamin K–dependent gamma–carboxylation resides on the propeptide of factor IX. Jorgensen MJ, et al. **Cell** 1987 Jan 30;48(2):185–91
A stop transfer sequence recognizes receptors for nascent chain translocation across the endoplasmic reticulum membrane. Mize NK, et al. **Cell** 1986 Dec 5;47(5):711–9
Protein sorting by selective retention in the endoplasmic reticulum and Golgi stack. Rothman JE. **Cell** 1987 Aug 14;50(4):521–2
Inducibility of kappa immunoglobulin enhancer–binding protein Nf–kappa B by a posttranslational mechanism. Sen R, et al. **Cell** 1986 Dec 26;47(6):921–8
Developmental coordination of alpha–amylase and psp gene expression during mouse parotid gland differentiation is controlled posttranscriptionally. Shaw P, et al. **Cell** 1986 Oct 10;47(1):107–12
Phagocytosis and inflammatory stimuli induce GM–CSF mRNA in macrophages through posttranscriptional regulation. Thorens B, et al. **Cell** 1987 Feb 27;48(4):671–9
The use of mRNA translation in vitro and in ovo followed by crossed immunoelectrophoretic autoradiography to study the biosynthesis of human cholinesterases. Soreq H, et al. **Cell Mol Neurobiol** 1986 Sep;6(3):227–37
Biosynthesis and processing of proteodermatan sulphate. Kresse H, et al. **Ciba Found Symp** 1986;124:89–103
A late developmental change in lysosomal enzyme sulfation specific to newly synthesized proteins in Dictyostelium discoideum. Livi GP, et al. **Dev Biol** 1987 Jun; 121(2):293–300
Yeast mitochondrial ATPase subunit 8, normally a mitochondrial gene product, expressed in vitro and imported back into the organelle. Gearing DP, et al. **EMBO J** 1986 Dec 20;5(13):3651–5
Import of frog prepropeptide GLa into microsomes requires ATP but does not involve docking protein or ribosomes. Schlenstedt G, et al. **EMBO J** 1987 Mar;6(3):699–703
Independent mutations at the amino terminus of a protein act as surrogate signals for mitochondrial import. Vassarotti A, et al. **EMBO J** 1987 Mar;6(3):705–11
The ATP requiring step in assembly of M13 procoat protein into microsomes is related to preservation of transport competence of the precursor protein. Wiech H, et al. **EMBO J** 1987 Apr;6(4):1011–6
Characterization of an islet carboxypeptidase B involved in prohormone processing. Mackin RB, et al. **Endocrinology** 1987 Feb;120(2):457–68
Pretranslational and posttranslational mechanisms for regulating beta–endorphin–adrenocorticotropin of the anterior pituitary lobe. Shiomi H, et al. **Endocrinology** 1986 Oct;119(4):1793–9
Precursors to regulatory peptides: their proteolytic processing. Andrews PC, et al. **Experientia** 1987 Jul 15; 43(7):784–90 (91 ref.)
The processing and secretion of rat serum albumin by oocytes from Xenopus laevis. Foreman RC, et al. **FEBS Lett** 1987 Jul 13;219(1):75–8
Processing of Bacillus subtilis succinate dehydrogenase and cytochrome b–558 polypeptides. Lack of covalently bound flavin in the Bacillus enzyme expressed in Escherichia coli. Hederstedt L, et al. **FEBS Lett** 1987 Mar 23;213(2):385–90
Progastrin and its glycine–extended posttranslational processing intermediates in human gastrointestinal tissues. Del Valle J, et al. **Gastroenterology** 1987 Jun;92(6):1908–12
The fos gene product undergoes extensive post–translational modification in eukaryotic but not in prokaryotic cells. Sambucetti LC, et al. **Gene** 1986;43(1–2):69–77
Post–translational control of alcohol dehydrogenase levels in Drosophila melanogaster. King JJ, et al. **Genetics** 1987 Apr;115(4):693–9
Modulation of kidney renin messenger RNA levels during experimentally induced hypertension. Moffett RB, et al. **Hypertension** 1986 Oct;8(10):874–82
Secretion and processing of staphylococcal nuclease by Bacillus subtilis. Miller JR, et al. **J Bacteriol** 1987 Aug; 169(8):3508–14
Characterization of a mitochondrial matrix protease catalyzing the processing of adrenodoxin precursor. Kumamoto T, et al. **J Biochem (Tokyo)** 1986 Jul; 100(1):247–54
Immunoblotting analysis of plasma protein processing in the secretory pathway of rat liver: identification of proteolytic conversion sites of complement pro–C3 and prohaptoglobin. Oda K, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1669–75
Processing–independent in vitro translocation of cytochrome P–450(SCC) precursor across mitochondrial membranes. Ou WJ, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1287–96
Biosynthesis, glycosylation, movement through the Golgi system, and transport to lysosomes by an N–linked carbohydrate–independent mechanism of three lysosomal integral membrane proteins. Barriocanal JG, et al. **J Biol Chem** 1986 Dec 15;261(35):16755–63
Identification of the post–translational modifications of the core–specific lectin. The core–specific lectin contains hydroxyproline, hydroxylysine, and

glucosylgalactosylhydroxylysine residues. Colley KJ, et al. **J Biol Chem** 1987 Jul 25;262(21):10290–5

Post–translational modifications of the core–specific lectin. Relationship to assembly, ligand binding, and secretion. Colley KJ, et al. **J Biol Chem** 1987 Jul 25;262(21):10296–303

Biosynthesis and secretion of the rat core–specific lectin. Relationship of post–translational modification and assembly to attainment of carbohydrate binding activity. Colley KJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3415–21

Post–translational processing of the porcine gastrin precursor by phosphorylation of the COOH–terminal fragment. Dockray GJ, et al. **J Biol Chem** 1987 Jun 25;262(18):8643–7

Structure, assembly, and secretion of octameric invertase. Esmon PC, et al. **J Biol Chem** 1987 Mar 25;262(9):4387–94

Synthesis and processing of sphingolipid activator protein–2 (SAP–2) in cultured human fibroblasts. Fujibayashi S, et al. **J Biol Chem** 1986 Nov 15;261(32).15339–43

N–glycosylation in expression and function of beta–adrenergic receptors. George ST, et al. **J Biol Chem** 1986 Dec 15;261(35):16559–64

Biosynthesis of type I procollagen. Characterization of the distribution of chain sizes and extent of hydroxylation of polysome–associated pro–alpha–chains. Kirk TZ, et al. **J Biol Chem** 1987 Apr 25;262(12):5540–5

Post–translational methylation of asparaginyl residues. Identification of beta–71 gamma–N–methylasparagine in allophycocyanin. Klotz AV, et al. **J Biol Chem** 1986 Dec 5;261(34):15891–4

Golgi endo–alpha–D–mannosidase from rat liver, a novel N–linked carbohydrate unit processing enzyme. Lubas WA, et al. **J Biol Chem** 1987 Mar 15;262(8):3775–81

The signal sequence of an Escherichia coli outer membrane protein can mediate translocation of a not normally secreted protein across the plasma membrane. MacIntyre S, et al. **J Biol Chem** 1987 Jun 15;262(17):8416–22

Post–translational acquisition of insulin binding activity by the insulin proreceptor. Correlation to recognition by autoimmune antibody. Olson TS, et al. **J Biol Chem** 1987 May 15;262(14):6816–22

Distinct steps in the import of ADP/ATP carrier into mitochondria. Pfanner N, et al. **J Biol Chem** 1987 Jun 5; 262(16):7528–36

Amino acid sequence of a novel calmodulin from Paramecium tetraurelia that contains dimethyllysine in the first domain. Schaefer WH, et al. **J Biol Chem** 1987 Jan 25;262(3):1025–9

Synthesis of epidermal growth factor receptor in human A431 cells. Glycosylation–dependent acquisition of ligand binding activity occurs post–translationally in the endoplasmic reticulum. Slieker LJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15233–41

Formation of the alpha–bungarotoxin binding site and assembly of the nicotinic acetylcholine receptor subunits occur in the endoplasmic reticulum [published erratum appears in J Biol Chem 1987 Jul 5;262(19):9428] Smith MM, et al. **J Biol Chem** 1987 Mar 25;262(9):4367–76

Mutations in the NH2–terminal domain of the signal peptide of preproparathyroid hormone inhibit translocation without affecting interaction with signal recognition particle. Szczesna–Skorupa E, et al. **J Biol Chem** 1987 Jun 25; 262(18):8896–900

Picornaviral processing: some new ideas. Palmenberg AC. **J Cell Biochem** 1987 Mar;33(3):191–8 (40 ref.)

Lysosomal delivery of the major myelin glycoprotein in the absence of myelin assembly: posttranslational regulation of the level of expression by Schwann cells. Brunden KR, et al. **J Cell Biol** 1987 Mar;104(3):661–9

In vitro mutagenesis of trypsinogen: role of the amino terminus in intracellular protein targeting to secretory granules. Burgess TL, et al. **J Cell Biol** 1987 Aug; 105(2):659–68

Posttranslational modifications of alpha–tubulin: acetylated and detyrosinated forms in axons of rat cerebellum. Cambray–Deakin MA, et al. **J Cell Biol** 1987 Jun; 104(6):1569–74

Inhibition of ribulose bisphosphate carboxylase assembly by antibody to a binding protein. Cannon S, et al. **J Cell Biol** 1986 Oct;103(4):1327–35

Gonadotropin beta subunits determine the rate of assembly and the oligosaccharide processing of hormone dimer in transfected cells. Corless CL, et al. **J Cell Biol** 1987 May; 104(5):1173–81

A yeast mutant defective at an early stage in import of secretory protein precursors into the endoplasmic reticulum. Deshaies RJ, et al. **J Cell Biol** 1987 Aug; 105(2):633–45

The NH2 terminus of preproinsulin directs the translocation and glycosylation of a bacterial cytoplasmic protein by mammalian microsomal membranes. Eskridge EM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2263–72

Assembly and secretion of heavy chains that do not associate posttranslationally with immunoglobulin heavy chain–binding protein. Hendershot L, et al. **J Cell Biol** 1987 Mar;104(3):761–7

The ornithine transcarbamylase leader peptide directs mitochondrial import through both its midportion structure and net positive charge. Horwich AL, et al. **J Cell Biol** 1987 Aug;105(2):669–77

A signal sequence domain essential for processing, but not import, of mitochondrial pre–ornithine carbamyl transferase. Nguyen M, et al. **J Cell Biol** 1987 May; 104(5):1193–8

Conversion of proinsulin to insulin occurs coordinately with acidification of maturing secretory vesicles. Orci L, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2273–81

Effects of mutations in three domains of the vesicular stomatitis viral glycoprotein on its lateral diffusion in the plasma membrane. Scullion BF, et al. **J Cell Biol** 1987 Jul; 105(1):69–75

Distinct localization and cell cycle dependence of COOH terminally tyrosinolated alpha–tubulin in the microtubules of Trypanosoma brucei brucei. Sherwin T, et al. **J Cell Biol** 1987 Mar;104(3):439–46

Translocation of globin fusion proteins across the endoplasmic reticulum membrane in Xenopus laevis oocytes. Simon K, et al. **J Cell Biol** 1987 May; 104(5):1165–72

The posttranslational processing of sucrase–isomaltase in HT–29 cells is a function of their state of enterocytic differentiation. Trugnan G, et al. **J Cell Biol** 1987 May; 104(5):1199–205

Identification and characterization of a mouse cell mutant defective in the intracellular transport of glycoproteins. Tufaro F, et al. **J Cell Biol** 1987 Aug;105(2):647–57

Hepatic glucagon metabolism. Correlation of hormone processing by isolated canine hepatocytes with glucagon metabolism in man and in the dog. Hagopian WA, et al. **J Clin Invest** 1987 Feb;79(2):409–17

Transforming growth factor–beta increases steady state levels of type I procollagen and fibronectin messenger RNAs posttranscriptionally in cultured human dermal fibroblasts. Raghow R, et al. **J Clin Invest** 1987 Apr;79(4):1285–8

Evolutionary role of posttranslational modifications of proteins, as illustrated by the glycosylation characteristics of the digestive enzyme pancreatic ribonuclease. Beintema JJ. **J Mol Evol** 1986;24(1–2):118–20

Posttranslational modification of neurofilament polypeptides in rabbit retina. Glicksman MA, et al. **J Neurobiol** 1987 Mar;18(2):167–96

Posttranslational protein modification by polyamines in intact and regenerating nerves. Chakraborty G, et al. **J Neurochem** 1987 Mar;48(3):669–75

Posttranslational modification of neurofilament proteins by phosphate during axoplasmic transport in retinal ganglion cell neurons. Nixon RA, et al. **J Neurosci** 1987 Apr; 7(4):1145–58

Characterization of posttranslational processing of the mammalian high–molecular–weight neurofilament protein in vivo. Oblinger MM. **J Neurosci** 1987 Aug;7(8):2510–21

Acylation of the 176R (19–kilodalton) early region 1B protein of human adenovirus type 5. McGlade CJ, et al. **J Virol** 1987 Oct;61(10):3227–34

Myristylation is required for intracellular transport but not for assembly of D–type retrovirus capsids. Rhee SS, et al. **J Virol** 1987 Apr;61(4):1045–53

Proteolytic processing of foot–and–mouth disease virus polyproteins expressed in a cell–free system from clone–derived transcripts. Vakharia VN, et al. **J Virol** 1987 Oct;61(10):3199–207

Processing determinants required for in vitro cleavage of the poliovirus P1 precursor to capsid proteins. Ypma–Wong MF, et al. **J Virol** 1987 Oct;61(10):3181–9

Recent developments in posttranslational modification: intracellular processing. Kivirikko KI, et al. **Methods Enzymol** 1987;144:96–114

Current ideas on the significance of protein glycosylation. West CM. **Mol Cell Biochem** 1986 Nov–Dec;72(1–2):3–20 (180 ref.)

Signal processing, glycosylation, and secretion of mutant hemagglutinins of a human influenza virus by Saccharomyces cerevisiae. Abdul Jabbar M, et al. **Mol Cell Biol** 1987 Apr;7(4):1476–85

Sequences required for delivery and localization of the ADP/ATP translocator to the mitochondrial inner membrane. Adrian GS, et al. **Mol Cell Biol** 1986 Feb; 6(2):626–34

Biosynthesis and glycosylation of the epidermal growth factor receptor in human tumor–derived cell lines A431 and Hep 3B. Carlin CR, et al. **Mol Cell Biol** 1986 Jan; 6(1):257–64

Signal peptide specificity in posttranslational processing of the plant protein phaseolin in Saccharomyces cerevisiae. Cramer JH, et al. **Mol Cell Biol** 1987 Jan;7(1):121–8

Constitutive RNA synthesis for the yeast activator ADR1 and identification of the ADR1–5c mutation: implications in posttranslational control of ADR1. Denis CL, et al. **Mol Cell Biol** 1986 Nov;6(11):4026–30

Biosynthesis of the v–sis gene product: signal sequence cleavage, glycosylation, and proteolytic processing. Hannink M, et al. **Mol Cell Biol** 1986 Apr;6(4):1343–8

Translational control by influenza virus: suppression of the kinase that phosphorylates the alpha subunit of initiation factor eIF–2 and selective translation of influenza viral mRNAs. Katze MG, et al. **Mol Cell Biol** 1986 May; 6(5):1741–50

In vivo evidence for posttranslational translocation and signal cleavage of the killer preprotoxin of Saccharomyces cerevisiae. Lolle SJ, et al. **Mol Cell Biol** 1986 Dec; 6(12):4274–80

Translation and membrane insertion of the hemagglutinin–neuraminidase glycoprotein of Newcastle disease virus. Wilson C, et al. **Mol Cell Biol** 1987 Apr; 7(4):1386–92

The PEP4 gene encodes an aspartyl protease implicated in the posttranslational regulation of Saccharomyces cerevisiae vacuolar hydrolases. Woolford CA, et al. **Mol Cell Biol** 1986 Jul;6(7):2500–10

Proteolytic processing of the Ada protein that repairs DNA O6–methylguanine residues in E. coli. Teo IA. **Mutat Res** 1987 Mar;183(2):123–7

Cytoskeleton. Tubulin's terminal tyrosine [news] Burns R. **Nature** 1987 May 14–20;327(6118):103–4

Myristylation of picornavirus capsid protein VP4 and its structural significance. Chow M, et al. **Nature** 1987 Jun 11–17;327(6122):482–6

Site–directed mutation affecting polyomavirus capsid self–assembly in vitro. Garcea RL, et al. **Nature** 1987 Sep 3–9;329(6134):86–7

Lectin biochemistry. New way of protein maturation [news] Sharon N, et al. **Nature** 1986 Sep 18–24;323(6085):203–4

Protein transport. Signals and salvage sequences [news] Warren G. **Nature** 1987 May 7–13;327(6117):17–8

Acetylcholinesterase hydrolyses chromogranin A to yield low molecular weight peptides. Small DH, et al. **Neuroscience** 1986 Sep;19(1):289–95

Identification of an endogenous protease that processes atrial natriuretic peptide at its amino terminus. Baxter JH, et al. **Peptides** 1986 May–Jun;7(3):407–11

Neuropeptide processing activity in Aplysia bag cell homogenates. Berry RW, et al. **Peptides** 1986 Jul–Aug; 7(4):637–43

A common precursor to two major crab neurosecretory peptides. Stuenkel EL. **Peptides** 1986 May–Jun; 7(3):397–406

Implications of the picornavirus capsid structure for polyprotein processing. Arnold E, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):21–5

Barium modulates c–fos expression and post–translational modification. Curran T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8521–4

Intramembrane translocation and posttranslational palmitoylation of the chloroplast 32–kDa herbicide–binding protein. Mattoo AK, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1497–501

Increased biological activity of deglycosylated recombinant human granulocyte/macrophage colony–stimulating factor produced by yeast or animal cells. Moonen P, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4428–31

Poliovirus polypeptide precursors: expression in vitro and processing by exogenous 3C and 2A proteinases. Nicklin MJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4002–6

Protein import into chloroplasts requires a chloroplast ATPase. Pain D, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3288–92

Transcriptional and translational regulatory mechanisms during normal aging of the mammalian brain and in Alzheimer's disease. Marotta CA, et al. **Prog Brain Res** 1986;70:303–20 (91 ref.)

The trans Golgi network: sorting at the exit site of the Golgi complex. Griffiths G, et al. **Science** 1986 Oct 24; 234(4775):438–43 (74 ref.)

Different factors possibly involved in post–translational regulation of ornithine decarboxylase activity. Zuretti MF, et al. **Toxicol Pathol** 1986;14(4):466–9 (30 ref.)

[Proteolytic events in the maturation of pro–neuropeptides. The somatostatin model] Morel A, et al. **Ann Endocrinol (Paris)** 1986;47(1):35–9 (Eng. Abstr.) **(Fre)**

[Post–translational modifications of various polypeptides in relation to the first mitosis in BALB/c mouse ova] Grinfeld S, et al. **C R Soc Biol (Paris)** 1987;181(1):46–51 (Eng. Abstr.) **(Fre)**

[Proteolytic processing of viral and bacterial proteins and its potentials in controlled modification for vaccine design] Zhirnov OP. **Mol Gen Mikrobiol Virusol** 1986 Aug;(8):3–8 (61 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of vitamin C on tubulin tyrosinolation in polymorphonuclear leukocytes. Nath J, et al. **Ann NY Acad Sci** 1987;498:216–28 (45 ref.)

Effects of ethanol on protein synthesis. Rothschild MA, et al. **Ann NY Acad Sci** 1987;492:233–44

Inhibitors of the biosynthesis and processing of N–linked oligosaccharide chains. Elbein AD. **Annu Rev Biochem** 1987;56:497–534 (279 ref.)

Structural changes in bovine lens crystallins induced by ascorbate, metal, and oxygen. Garland D, et al. **Arch Biochem Biophys** 1986 Dec;251(2):771–6

Chlorate—a potent inhibitor of protein sulfation in intact cells. Baeuerle PA, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):870–7

Further characterization of the posttranslational modifications of core histones in response to heat and arsenite stress in Drosophila. Desrosiers R, et al. **Biochem Cell Biol** 1986 Aug;64(8):750–7

On the effects of weak bases and monensin on sorting and processing of lysosomal enzymes in human cells. Braulke T, et al. **Eur J Cell Biol** 1987 Jun;43(3):316–21

Inhibition of the post–translational processing of microvillar hydrolases is associated with a specific decreased expression of sucrase–isomaltase and an increased turnover of glucose in Caco–2 cells treated with monensin. Rousset M, et al. **FEBS Lett** 1986 Nov 10;208(1):34–8

Reserpine–induced alterations in the processing of proenkephalin in cultured chromaffin cells. Increased

amidation. Lindberg I. **J Biol Chem** 1986 Dec 15; 261(35):16317-22

The effects of inhibiting oligosaccharide trimming by 1-deoxynojirimycin on the nicotinic acetylcholine receptor. Smith MM, et al. **J Biol Chem** 1986 Nov 5; 261(31):14825-32

Insulin negatively regulates albumin mRNA at the transcriptional and post-transcriptional level in rat hepatoma cells. Straus DS, et al. **J Biol Chem** 1987 Feb 15;262(5):1955-60

Glucocorticoid-regulated glycoprotein maturation in wild-type and mutant rat cell lines. Firestone GL, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2323-31

Herpes simplex virus type 2 glycoprotein biogenesis: effect of monensin on glycoprotein maturation, intracellular transport and virus infectivity. Ghosh-Choudhury N, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1939-49

Glutamine starvation of murine leukaemia virus-infected cells inhibits the readthrough of the gag-pol genes and proteolytic processing of the gag polyprotein. Gloger I, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2207-13

A distinct glucocorticoid hormone response regulates phosphoprotein maturation in rat hepatoma cells. Karlsen K, et al. **Mol Cell Biol** 1986 Feb;6(2):574-85

PROTEIN-TYROSINE KINASE

ANALYSIS

Regulation of protein phosphotyrosine content by changes in tyrosine kinase and protein phosphotyrosine phosphatase activities during induced granulocytic and monocytic differentiation of HL-60 leukemia cells. Frank DA, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):440-7

Identification of the human T-lymphocyte protein-tyrosine kinase by peptide-specific antibodies. Trevillyan JM, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):392-8

Analysis of P210bcr-abl tyrosine protein kinase activity in various subtypes of Philadelphia chromosome-positive cells from chronic myelogenous leukemia patients. Maxwell SA, et al. **Cancer Res** 1987 Mar 15;47(6):1731-9

Reduction in protein tyrosine phosphorylation during differentiation of human leukemia cell line K-562. Richardson JM, et al. **Cancer Res** 1987 Aug 1; 47(15):4066-70

A protein-tyrosine kinase in the nuclear matrix from rat liver. Ohmura Y, et al. **FEBS Lett** 1986 Nov 24;208(2):451-4

Phosphotyrosine antibodies identify the p210c-abl tyrosine kinase and proteins phosphorylated on tyrosine in human chronic myelogenous leukemia cells. Naldini L, et al. **Mol Cell Biol** 1986 May;6(5):1803-11

Differential sensitivity of two functions of the insulin receptor to the associated proteolysis: kinase action and hormone binding. Kathuria S, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8570-4

ANTAGONISTS & INHIBITORS

Specific inhibitors of tyrosine-specific protein kinase, synthetic 4-hydroxycinnamamide derivatives. Shiraishi T, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):322-8

Amiloride inhibits the protein tyrosine kinases associated with the cellular and the transforming src-gene products. Presek P, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2821-6

Catecholamines and tumour promoting phorbolesters inhibit insulin receptor kinase and induce insulin resistance in isolated human adipocytes. Obermaier B, et al. **Diabetologia** 1987 Feb;30(2):93-9

Interaction of the human insulin receptor with the ras oncogene product p21. O'Brien RM, et al. **FEBS Lett** 1987 Jun 15;217(2):253-9

Staurosporine inhibits tyrosine-specific protein kinase activity of Rous sarcoma virus transforming protein p60. Nakano H, et al. **J Antibiot (Tokyo)** 1987 May;40(5):706-8

Genistein, a specific inhibitor of tyrosine-specific protein kinases. Akiyama T, et al. **J Biol Chem** 1987 Apr 25; 262(12):5592-5

Specific inhibition of tyrosine kinase activity by an antibody to the v-ros oncogene product. Balduzzi PC, et al. **J Virol** 1986 Nov;60(2):765-7

Inhibition of the tyrosine kinase activity of v-src, v-fgr, and v-yes gene products by a monoclonal antibody which binds both amino and carboxy peptide fragments of pp60v-src. McCarley DJ, et al. **J Virol** 1987 Jun;61(6):1927-37

Antitumor activity of erbstatin, a tyrosine protein kinase inhibitor. Imoto M, et al. **Jpn J Cancer Res** 1987 Apr; 78(4):329-32

In vivo effect of sodium orthovanadate on pp60c-src kinase. Ryder JW, et al. **Mol Cell Biol** 1987 Mar;7(3):1139-47

Müllerian inhibiting substance blocks autophosphorylation of the EGF receptor by inhibiting tyrosine kinase. Coughlin JP, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):75-86

BLOOD

Characterization of the insulin receptor kinase from human erythrocytes. Suzuki S, et al. **Endocrinology** 1987 Sep; 121(3):972-9

Developmental expression of tyrosyl kinase activity in human serum. Lin MF, et al. **Hum Biol** 1987 Jun;59(3):549-56

Tyrosyl and phosphatidylinositol kinases of human erythrocyte membranes. Vossler MR, et al. **J Cell Biochem** 1987 Apr;33(4):225-35

Relationship of insulin binding and insulin-stimulated tyrosine kinase activity is altered in type II diabetes. Comi RJ, et al. **J Clin Invest** 1987 Feb;79(2):453-62

DEFICIENCY

Defects in insulin binding and autophosphorylation of erythrocyte insulin receptors in patients with syndromes of severe insulin resistance and their parents. Grigorescu F, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):549-56

GENETICS

Human T lymphocytes express a protein-tyrosine kinase homologous to p56LSTRA. Trevillyan JM, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):286-95

Transforming mutations in protein-tyrosine kinase genes. Cooper JA. **Bioessays** 1986 Jan;4(1):9-15 (30 ref.)

Activation of the met oncogene in the human MNNG-HOS cell line involves a chromosomal rearrangement. Tempest PR, et al. **Carcinogenesis** 1986 Dec;7(12):2051-7

Cell transformation by pp60c-src mutated in the carboxy-terminal regulatory domain. Cartwright CA, et al. **Cell** 1987 Apr 10;49(1):83-91

Activation and suppression of pp60c-src transforming ability by mutation of its primary sites of tyrosine phosphorylation. Kmiecik TE, et al. **Cell** 1987 Apr 10;49(1):65-73

Tyrosine phosphorylation regulates the biochemical and biological properties of pp60c-src. Piwnica-Worms H, et al. **Cell** 1987 Apr 10;49(1):75-82

Characterization of two new human oncogenes. Birchmeier C, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:993-1000

Molecular characterization of the human trk oncogene. Martin-Zanca D, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:983-92

The met oncogene: a new member of the tyrosine kinase family and a marker for cystic fibrosis. Park M, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:967-75

The c-erbB-2 gene encodes a receptor-like protein with tyrosine kinase activity. Toyoshima K, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:977-82

Induction of fgr proto-oncogene mRNA in B lymphocytes as a consequence of Epstein-Barr virus infection. Cheah MS, et al. **Curr Top Microbiol Immunol** 1986;132:237-45

Enzymatic activation of Fujinami sarcoma virus gag-fps transforming proteins by autophosphorylation at tyrosine. Meckling-Hansen K, et al. **EMBO J** 1987 Mar;6(3):659-66

A human T cell-specific cDNA clone (YT16) encodes a protein with extensive homology to a family of protein-tyrosine kinases. Koga Y, et al. **Eur J Immunol** 1986 Dec;16(12):1643-6

The activated human met gene encodes a protein tyrosine kinase. Tempest PR, et al. **FEBS Lett** 1986 Dec 15; 209(2):357-61

The erB-related growth factor receptors. Yamamoto T, et al. **Horiz Biochem Biophys** 1986;8:571-609 (91 ref.)

Biochemical properties of p60v-src mutants that induce different cell transformation parameters. Jove R, et al. **J Virol** 1986 Dec;60(3):849-57

A possible new member of tyrosine kinase family, human frt sequence, is highly conserved in vertebrates and located on human chromosome 13. Matsushime H, et al. **Jpn J Cancer Res** 1987 Jul;78(7):655-61

Alterations in pp60c-src accompany differentiation of neurons from rat embryo striatum. Cartwright CA, et al. **Mol Cell Biol** 1987 May;7(5):1830-40

Antipeptide antiserum identifies a widely distributed cellular tyrosine kinase related to but distinct from the c-fps/fes-encoded protein. Feldman RA, et al. **Mol Cell Biol** 1986 Apr;6(4):1065-73

Isolation of chicken cellular DNA sequences with homology to the region of viral oncogenes that encodes the tyrosine kinase domain. Foster DA, et al. **Mol Cell Biol** 1986 Jan; 6(1):325-31

Primary sequence and developmental expression of a novel Drosophila melanogaster src gene. Gregory RJ, et al. **Mol Cell Biol** 1987 Jun;7(6):2119-27

Identification of a human gene (HCK) that encodes a protein-tyrosine kinase and is expressed in hemopoietic cells. Quintrell N, et al. **Mol Cell Biol** 1987 Jun;7(6):2267-75

A noncatalytic domain conserved among cytoplasmic protein-tyrosine kinases modifies the kinase function and transforming activity of Fujinami sarcoma virus P130gag-fps. Sadowski I, et al. **Mol Cell Biol** 1986 Dec; 6(12):4396-408

p185, a product of the neu proto-oncogene, is a receptorlike protein associated with tyrosine kinase activity. Stern DF, et al. **Mol Cell Biol** 1986 May;6(5):1729-40

ret transforming gene encodes a fusion protein homologous to tyrosine kinases. Takahashi M, et al. **Mol Cell Biol** 1987 Apr;7(4):1378-85

DNA sequence encoding the amino-terminal region of the human c-src protein: implications of sequence divergence among src-type kinase oncogenes. Tanaka A, et al. **Mol Cell Biol** 1987 May;7(5):1978-83

The yes-related cellular gene lyn encodes a possible tyrosine kinase similar to p56lck. Yamanashi Y, et al. **Mol Cell Biol** 1987 Jan;7(1):237-43

Novel protein-tyrosine kinase gene (hck) preferentially expressed in cells of hematopoietic origin. Ziegler SF, et al. **Mol Cell Biol** 1987 Jun;7(6):2276-85

Structure of the receptor for platelet-derived growth factor helps define a family of closely related growth factor receptors. Yarden Y, et al. **Nature** 1986 Sep 18-24; 323(6085):226-32

Replacement of lysine residue 1030 in the putative ATP-binding region of the insulin receptor abolishes insulin- and antibody-stimulated glucose uptake and receptor kinase activity. Ebina Y, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):704-8

Isolation of temperature-sensitive tyrosine kinase mutants of v-abl oncogene by screening with antibodies for phosphotyrosine. Kipreos ET, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1345-9

Localization of a lymphocyte-specific protein tyrosine kinase gene (lck) at a site of frequent chromosomal abnormalities in human lymphomas. Marth JD, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7400-4

Sequence of MET protooncogene cDNA has features characteristic of the tyrosine kinase family of growth-factor receptors. Park M, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6379-83

Unique forms of the abl tyrosine kinase distinguish Ph1-positive CML from Ph1-positive ALL. Clark SS, et al. **Science** 1987 Jan 2;235(4784):85-8

Sevenless, a cell-specific homeotic gene of Drosophila, encodes a putative transmembrane receptor with a tyrosine kinase domain. Hafen E, et al. **Science** 1987 Apr 3; 236(4797):55-63

A novel human gene closely related to the abl proto-oncogene. Kruh GD, et al. **Science** 1986 Dec 19; 234(4783):1545-8

A chimeric, ligand-binding v-erbB/EGF receptor retains transforming potential. Riedel H, et al. **Science** 1987 Apr 10;236(4798):197-200

Transmembrane domain of the AEV erb B oncogene protein is not required for partial manifestation of the transformed phenotype. Bassiri M, et al. **Virology** 1987 Jul;159(1):20-30

Single amino acid substitution, from Glu1025 to Asp, of the fps oncogenic protein causes temperature sensitivity in transformation and kinase activity. Chen LH, et al. **Virology** 1986 Nov;155(1):106-19

IMMUNOLOGY

Band 3 tyrosine kinase in avian erythrocyte plasma membrane is immunologically related to pp60c-src. Hillsgrove D, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C286-95

ISOLATION & PURIFICATION

A p60v-src-related tyrosine kinase in the acetylcholine receptor-rich membranes of Narke japonica: association and dissociation of phosphatidylinositol kinase activity. Fukami Y, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):473-9

Purification and characterization of a protein tyrosine kinase from bovine spleen. Kong SK, et al. **J Biol Chem** 1987 Feb 25;262(6):2597-603

Purification and characterization of a protein-tyrosine kinase from bovine thymus. Zioncheck TF, et al. **J Biol Chem** 1986 Nov 25;261(33):15637-43

METABOLISM

The role of tyrosine phosphorylation in the regulation of insulin and insulin-like growth factor-I receptor kinase activities. Yu KT, et al. **Adv Exp Med Biol** 1986;205:165-83

Insulin receptor kinase is hyperresponsive in adipocytes of young obese Zucker rats. Debant A, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E273-8

Mechanism of receptor kinase action on membrane protein recycling. Corvera S, et al. **Ann NY Acad Sci** 1986; 488:419-29

A tyrosine-specific protein kinase from Ehrlich ascites tumor cells. Nakamura S, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):538-48

Stimulation of tyrosine-specific protein phosphorylation in the rat liver plasma membrane by oxygen radicals. Chan TM, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):439-45

The amino terminal region of the p56 lck from LSTRA exerts negative modulation on the tyrosine kinase activity. Fischer S, et al. **Biochem Biophys Res Commun** 1987 Mar 30; 143(3):819-26

Insulin receptor autophosphorylation and kinase activity in streptozotocin diabetic rats. Effect of a short fast. Gherzi R, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):850-6

Appearance of membrane-bound tyrosine kinase during differentiation of HL-60 leukemia cells by immune interferon and tumor necrosis factor. Glazer RI, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):905-15

Peroxide(s) of vanadium: a novel and potent insulin-mimetic agent which activates the insulin receptor kinase. Kadota S, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):259-66

Sequence homologies between p36, the substrate of pp60src tyrosine kinase and a 67 kDa protein isolated from bovine aorta. Martin F, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):961-8

Identification and characterization of the tyrosine protein kinases of rat spleen. Tokuda M, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):910-7

Five enzymes of the glycolytic pathway serve as substrates

for purified epidermal-growth-factor-receptor kinase. Reiss N, et al. **Biochem J** 1986 Nov 1;239(3):691–7

Modification of synthetic peptides related to lactate dehydrogenase (231–242) by protein carboxyl methyltransferase and tyrosine protein kinase: effects of introducing an isopeptide bond between aspartic acid–235 and serine–236. Aswad DW, et al. **Biochemistry** 1987 Feb 10;26(3):675–81

Separate domains of the insulin receptor contain sites of autophosphorylation and tyrosine kinase activity. Goren HJ, et al. **Biochemistry** 1987 Apr 21;26(8):2374–82

Primary structure of bovine calpactin I heavy chain (p36), a major cellular substrate for retroviral protein-tyrosine kinases: homology with the human phospholipase A2 inhibitor lipocortin. Kristensen T, et al. **Biochemistry** 1986 Aug 12;25(16):4497–503

Dithiothreitol activation of the insulin receptor/kinase does not involve subunit dissociation of the native alpha 2 beta 2 insulin receptor subunit complex. Sweet LJ, et al. **Biochemistry** 1986 Nov 4;25(22):7068–74

Substrate specificity and kinetic mechanism of human placental insulin receptor/kinase. Walker DH, et al. **Biochemistry** 1987 Mar 10;26(5):1428–33

Alteration of intramolecular disulfides in insulin receptor/kinase by insulin and dithiothreitol: insulin potentiates the apparent dithiothreitol-dependent subunit reduction of insulin receptor. Wilden PA, et al. **Biochemistry** 1986 Jul 29;25(15):4381–8

Tyrosine kinase and phosphotyrosine phosphatase activity in human promyelocytic leukemia cells and human polymorphonuclear leukocytes. Kraft AS, et al. **Blood** 1987 Aug;70(2):356–62

Enzymatically inactive p60c-src mutant with altered ATP-binding site is fully phosphorylated in its carboxy-terminal regulatory region. Jove R, et al. **Cell** 1987 Sep 11;50(6):937–43

Insulin-receptor kinase activity of adipose tissue from morbidly obese humans with and without NIDDM. Sinha MK, et al. **Diabetes** 1987 May;36(5):620–5

Brown adipose tissue in lean and obese mice. Insulin–receptor binding and tyrosine kinase activity. Tanti JF, et al. **Diabetes** 1986 Nov;35(11):1243–8

Effects of metformin on insulin receptor tyrosine kinase activity in rat adipocytes. Jacobs DB, et al. **Diabetologia** 1986 Nov;29(11):798–801

Insulin and rabbit anti-insulin receptor antibodies stimulate additively the intrinsic receptor kinase activity. Ponzio G, et al. **EMBO J** 1987 Feb;6(2):333–40

Association of three chicken proteins with the 34 kD target of Rous sarcoma virus tyrosine kinase. Simon M, et al. **Exp Cell Res** 1987 Apr;169(2):419–31

Phospholipid activation of the insulin receptor kinase: regulation by phosphatidylinositol. Sweet LJ, et al. **FASEB J** 1987 Jul;1(1):55–9

ras proteins enhance the phosphorylation of a 38 kDa protein (p38) in rat liver plasma membrane [published erratum appears in FEBS Lett 1987 Sep 14;221(2):433] Hegde AN, et al. **FEBS Lett** 1987 Jun 8;217(1):74–80

Polycation-dependent, Ca2+-antagonized phosphorylation of calmodulin by casein kinase-2 and a spleen tyrosine protein kinase. Meggio F, et al. **FEBS Lett** 1987 May 11; 215(2):241–6

The insulin receptor tyrosyl kinase phosphorylates holomeric forms of the guanine nucleotide regulatory proteins Gi and Go. O'Brien RM, et al. **FEBS Lett** 1987 Feb 23; 212(2):281–8

Rat liver membranes contain a 120 kDa glycoprotein which serves as a substrate for the tyrosine kinases of the receptors for insulin and epidermal growth factor. Phillips SA, et al. **FEBS Lett** 1987 Feb 9;212(1):141–4

The quantity of protein-bound [32P]phosphotyrosine in hepatocytes and fibroblasts. The effects of tyrosine protein kinase activating agents. Ekman P, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):863–70

Substrate specificities of tyrosine-specific protein kinases toward cytoskeletal proteins in vitro. Akiyama T, et al. **J Biol Chem** 1986 Nov 5;261(31):14797–803

Structural requirements for the transmembrane activation of the insulin receptor kinase. Böni-Schnetzler M, et al. **J Biol Chem** 1986 Nov 15;261(32):15281–7

Sites of in vivo phosphorylation of the T cell tyrosine protein kinase in LSTRA cells and their alteration by tumor-promoting phorbol esters. Casnellie JE. **J Biol Chem** 1987 Jul 15;262(20):9859–64

Human insulin receptors mutated at the ATP-binding site lack protein tyrosine kinase activity and fail to mediate postreceptor effects of insulin. Chou CK, et al. **J Biol Chem** 1987 Feb 5;262(4):1842–7

Identification of chromaffin granule-binding proteins. Relationship of the chromobindins to calelectrin, synhibin, and the tyrosine kinase substrates p35 and p36. Creutz CE, et al. **J Biol Chem** 1987 Feb 5;262(4):1860–8

A calcium-dependent 35-kilodalton substrate for epidermal growth factor receptor/kinase isolated from normal tissue. De BK, et al. **J Biol Chem** 1986 Oct 15;261(29):13784–92

Effect of monoclonal antibodies on human insulin receptor autophosphorylation, negative cooperativity, and down-regulation. Forsayeth JR, et al. **J Biol Chem** 1987 Mar 25;262(9):4134–40

Characterization of lipocortin I and an immunologically unrelated 33-kDa protein as epidermal growth factor receptor/kinase substrates and phospholipase A2 inhibitors. Haigler HT, et al. **J Biol Chem** 1987 May 15; 262(14):6921–30

Intrinsic differences of insulin receptor kinase activity in red and white muscle. James DE, et al. **J Biol Chem** 1986 Nov 15;261(32):14939–44

Stimulation of insulin-like growth factor II receptor binding and insulin receptor kinase activity in rat adipocytes. Effects of vanadate and H2O2. Kadota S, et al. **J Biol Chem** 1987 Jun 15;262(17):8252–6

Insulin receptor kinase following internalization in isolated rat adipocytes. Klein HH, et al. **J Biol Chem** 1987 Aug 5;262(22):10557–64

The protein-tyrosine kinase activity of the insulin receptor is necessary for insulin-mediated receptor down-regulation. Russell DS, et al. **J Biol Chem** 1987 Aug 25;262(24):11833–40

A tyrosine kinase related to pp60c-src is associated with membranes of Electrophorus electricus electric organ. Shores CG, et al. **J Biol Chem** 1987 Jul 15;262(20):9477–85

Fasting and refeeding alter the insulin receptor tyrosine kinase in chicken liver but fail to affect brain insulin receptors. Simon J, et al. **J Biol Chem** 1986 Dec 25; 261(36):17081–8

Tyrosine kinase catalyzed phosphorylation and inactivation of the inhibitor protein of the cAMP-dependent protein kinase. Van Patten SM, et al. **J Biol Chem** 1987 Mar 5; 262(7):3398–403

Phosphorylation of alpha-tubulin carboxyl-terminal tyrosine prevents its incorporation into microtubules. Wandosell F, et al. **J Biol Chem** 1987 Jun 15;262(17):8268–73

Characterization of an endogenous substrate of the insulin receptor in cultured cells. White MF, et al. **J Biol Chem** 1987 Jul 15;262(20):9769–77

Association of tyrosine protein kinase activity with mitochondria in human fibroblasts. Piedimonte G, et al. **J Cell Biochem** 1986;32(2):113–23

Phosphorylation of glycolytic and gluconeogenic enzymes by the insulin receptor kinase. Sale EM, et al. **J Cell Biochem** 1987 Jan;33(1):15–26

The tyrosine phosphorylation substrate p36 is developmentally regulated in embryonic avian limb and is induced in cell culture. Carter C, et al. **J Cell Biol** 1986 Nov;103(5):2017–24

Allosteric regulation of the epidermal growth factor receptor kinase. Schlessinger J. **J Cell Biol** 1986 Dec;103(6 Pt 1):2067–72 (48 ref.)

Insulin receptor kinase in human skeletal muscle from obese subjects with and without noninsulin dependent diabetes. Caro JF, et al. **J Clin Invest** 1987 May;79(5):1330–7

Decreased kinase activity of insulin receptors from adipocytes of non-insulin-dependent diabetic subjects. Freidenberg GR, et al. **J Clin Invest** 1987 Jan;79(1):240–50

Tyrosine phosphorylation of an interleukin 2 receptor-like protein in cells transformed by human T cell leukemia virus type I. Ogawa R, et al. **J Exp Med** 1987 Apr 1; 165(4):959–69

Regulation of the protein kinase activity of the human insulin receptor. Herrera R, et al. **J Recept Res** 1987;7(1–4):405–15

Post-translational acquisition of ligand binding- and tyrosine kinase-domain function by the epidermal growth factor and insulin receptors. Lane MD, et al. **J Recept Res** 1987; 7(1–4):321–54

Analysis of middle tumor antigen and pp60c-src interactions in polyomavirus-transformed rat cells. Bolen JB, et al. **J Virol** 1987 Oct;61(10):3299–305

pp60c-src has less affinity for the detergent-insoluble cellular matrix than do pp60v-src and other viral protein-tyrosine kinases. Loeb DM, et al. **J Virol** 1987 Aug;61(8):2420–7

TCDD (2,3,7,8-tetrachlorodibenzo-p-dioxin) causes an increase in protein tyrosine kinase activities at an early stage of poisoning in vivo in rat hepatocyte membranes. Bombick DW, et al. **Life Sci** 1987 Jul 27;41(4):429–36

Insulin receptor tyrosine kinase activity is unaltered in ob/ob and db/db mouse skeletal muscle membranes. Vicario P, et al. **Life Sci** 1987 Sep 7;41(10):1233–41

Leukaemogenesis: a postulated mechanism involving tyrosine protein kinase and DNA topoisomerase. Francis GE. **Med Hypotheses** 1987 Mar;22(3):223–35 (66 ref.)

Effect of chlorpropamide on glucose transport in rat adipocytes in the absence of changes in insulin binding and receptor-associated tyrosine kinase activity. Jacobs DB, et al. **Metabolism** 1987 Jun;36(6):548–54

Calmodulin-stimulated estradiol receptor-tyrosine kinase. Auricchio F, et al. **Methods Enzymol** 1987;139:731–44

Receptor for bombesin with associated tyrosine kinase activity. Cirillo DM, et al. **Mol Cell Biol** 1986 Dec; 6(12):4641–9

The protein-tyrosine kinase substrate p36 is also a substrate for protein kinase C in vitro and in vivo. Gould KL, et al. **Mol Cell Biol** 1986 Jul;6(7):2738–44

Vaccinia virus growth factor stimulates tyrosine protein kinase activity of A431 cell epidermal growth factor receptors. King CS, et al. **Mol Cell Biol** 1986 Jan;6(1):332–6

Purified polyoma virus medium T antigen has tyrosine-specific protein kinase activity but no significant phosphatidylinositol kinase activity. Koch W, et al. **Mol Cell Biol** 1986 Jun;6(6):1866–74

Tyrosyl kinase activity is inversely related to prostatic acid phosphatase activity in two human prostate carcinoma cell lines. Lin MF, et al. **Mol Cell Biol** 1986 Dec;6(12):4753–7

Abelson virus abrogation of interleukin-3 dependence in a lymphoid cell line. Mathey-Prevot B, et al. **Mol Cell Biol** 1986 Nov;6(11):4133–5

Nonmitogenic morphoregulatory action of pp60v-src on multicellular epithelial structures. Warren SL, et al. **Mol Cell Biol** 1987 Apr;7(4):1326–37

Requirement for intrinsic protein tyrosine kinase in the immediate and late actions of the EGF receptor. Chen WS, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):820–3

A chimaeric receptor allows insulin to stimulate tyrosine kinase activity of epidermal growth factor receptor. Riedel H, et al. **Nature** 1986 Nov 6–12;324(6092):68–70

Insulin-activated tyrosine phosphorylation of a 15-kilodalton protein in intact 3T3-L1 adipocytes. Bernier M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1844–8

Monoclonal antibodies to the human insulin receptor that activate glucose transport but not insulin receptor kinase activity. Forsayeth JR, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3448–51

Reduced tyrosine kinase specific activity is associated with hypophosphorylation of pp60c-src in cells infected with avian erythroblastosis virus. McCarley DJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5793–7

Acute insulin action requires insulin receptor kinase activity: introduction of an inhibitory monoclonal antibody into mammalian cells blocks the rapid effects of insulin. Morgan DO, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):41–5

Insulin stimulates phosphorylation of a 120-kDa glycoprotein substrate (pp120) for the receptor-associated protein kinase in intact H-35 hepatoma cells. Perrotti N, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3137–40

Purification of the colony-stimulating factor 1 receptor and demonstration of its tyrosine kinase activity. Yeung YG, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1268–71

Possible involvement of phosphoinositide phosphorylation and tyrosine kinase activity in the growth control of rat mammary tumors. Sharoni Y, et al. **Rev Clin Basic Pharm** 1985;5 Suppl:57S–62S

[Kinase activity associated with the insulin receptor: biochemical characterization] Cordera R, et al. **Minerva Endocrinol** 1986 Apr–Jun;11(2):107–10 (Eng. Abstr.) **(Ita)**

[Liver phosphotyrosine protein phosphatase and tyrosine protein kinase in chemical hepatocarcinogenesis] Tsuiki S, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2010–7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Modified ganglioside as a possible modulator of transmembrane signaling mechanism through growth factor receptors: a preliminary note. Hanai N, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):127–34

Differentiation of an Abelson virus-transformed immature B precursor cell line under the expression of tyrosine kinase activity of v-abl oncogene product. Maeda T, et al. **Cell Differ** 1987 Apr;20(4):263–9

Mechanisms of receptor-mediated transmembrane communication. Ellis L, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:773–84

Adenosine modulates insulin activation of insulin receptor kinase in intact rat adipocytes. Klein HH, et al. **Endocrinology** 1987 Jun;120(6):2339–45

Cooperation of middle and small T antigens of polyomavirus in transformation of established fibroblast and epithelial-like cell lines. Noda T, et al. **J Virol** 1987 Jul; 61(7):2253–63

Tyrosine kinases in control of cell growth and transformation. Mäkelä TP, et al. **Med Biol** 1986;64(6):325–30 (42 ref.)

Leukaemogenesis: a postulated mechanism involving tyrosine protein kinase and DNA topoisomerase. Francis GE. **Med Hypotheses** 1987 Feb;22(2):195–207

Growth factor receptors and cell transformation. Sherr CJ. **Mol Biol Med** 1987 Feb;4(1):1–10 (75 ref.)

PROTEINASES see **PEPTIDE PEPTIDOHYDROLASES**

PROTEINS

Vibrational spectroscopy and conformation of peptides, polypeptides, and proteins. Krimm S, et al. **Adv Protein Chem** 1986;38:181–364 (371 ref.)

Protein crosslinking reagents containing a selenoethylene linker are cleaved by mild oxidation. Buchardt O, et al. **Anal Biochem** 1986 Oct;158(1):87–92

Immobilization of proteins via arginine residues. Duerksen PJ, et al. **Anal Biochem** 1987 Feb 1;160(2):444–54

Protein migration through hydrogels: a tool for measuring porosity—application to hydrogels used as contact lenses. Gachon AM, et al. **Anal Biochem** 1986 Sep;157(2):249–55

Radioiodination of proteins by reductive alkylation. Panuska JR, et al. **Anal Biochem** 1987 Jan;160(1):192–201

An apparatus for protein crystal growth studies. Pusey ML. **Anal Biochem** 1986 Oct;158(1):50–4

Simulations of proteins in water. Berendsen HJ, et al. **Ann NY Acad Sci** 1986;482:269–86

Molecular dynamics: applications to proteins. Karplus M. **Ann NY Acad Sci** 1986;482:255–66

Conformational energy calculations on polypeptides and proteins: use of a statistical mechanical procedure for evaluating structure and properties. Scheraga HA, et al. **Ann NY Acad Sci** 1986;482:60–8

Nuclear magnetic resonance relaxation and the dynamics of proteins and membranes: theory and experiment. Szabo A. **Ann NY Acad Sci** 1986;482:44–59

Structure and dynamics of water surrounding biomolecules. Saenger W. **Annu Rev Biophys Biophys Chem** 1987; 16:93–114 (47 ref.)

The thermodynamic stability of proteins. Schellman JA. **Annu Rev Biophys Biophys Chem** 1987;16:115–37 (78 ref.)

Third type of secondary structure: noncooperative mobile conformation. Protein Data Bank analysis. Adzhubei AA, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):934–8

Synthesis and application of 13C enriched phenylisothiocyanate as a 13C NMR protein probe. Ares JJ, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):1064–71

Primary structure of a structural protein from the cuticle of the migratory locust, Locusta migratoria. Højrup P, et al. **Biochem J** 1986 Jun 15;236(3):713–20

The use of gel chromatography for the determination of sizes and relative molecular masses of proteins. Interpretation of calibration curves in terms of gel–pore–size distribution. le Maire M, et al. **Biochem J** 1987 Apr 15;243(2):399–404

Complete amino acid sequence of BSP–A3 from bovine seminal plasma. Homology to PDC–109 and to the collagen–binding domain of fibronectin. Seidah NG, et al. **Biochem J** 1987 Apr 1;243(1):195–203

A rapid solid–phase protein microsequencer. Walker JE, et al. **Biochem J** 1986 Jul 1;237(1):73–84

Global analysis of multiple dye fluorescence anisotropy experiments on proteins. Beechem JM, et al. **Biochem Soc Trans** 1986 Oct;14(5):832–5

Fluorescence photobleaching and correlation spectroscopy for translational diffusion in biological systems. Elson EL. **Biochem Soc Trans** 1986 Oct;14(5):839–41

Rotations of tryptophan residues in proteins. Gratton E, et al. **Biochem Soc Trans** 1986 Oct;14(5):835–8

Secondary structure determination in proteins from deep (192–223–nm) ultraviolet Raman spectroscopy. Copeland RA, et al. **Biochemistry** 1987 Apr 21;26(8):2134–9

Triplet–state detection of labeled proteins using fluorescence recovery spectroscopy. Corin AF, et al. **Biochemistry** 1987 Apr 21;26(8):2207–17

Thermal expansion of a protein. Frauenfelder H, et al. **Biochemistry** 1987 Jan 13;26(1):254–61

Compressibility–structure relationship of globular proteins. Gekko K, et al. **Biochemistry** 1986 Oct 21;25(21):6563–71

Computer–aided model–building strategies for protein design. Pabo CO, et al. **Biochemistry** 1986 Oct 7;25(20):5987–91

Circular differential scattering and circular differential absorption of DNA–protein condensates and of dyes bound to DNA–protein condensates. Phillips CL, et al. **Biochemistry** 1986 Dec 2;25(24):7803–11

Peptide models of electrostatic interactions in proteins: NMR studies on two beta–turn tetrapeptides containing Asp–His and Asp–Lys salt bridges. Sahal D, et al. **Biochemistry** 1986 Oct 7;25(20):6004–13

Structural heterogeneity in protein crystals. Smith JL, et al. **Biochemistry** 1986 Sep 9;25(18):5018–27

Differential absorption flattening optical effects are significant in the circular dichroism spectra of large membrane fragments. Wallace BA, et al. **Biochemistry** 1987 Jan 13;26(1):65–70

Free energy of charges in solvated proteins: microscopic calculations using a reversible charging process. Warshel A, et al. **Biochemistry** 1986 Dec 30;25(26):8368–72

Compact units in proteins. Zehfus MH, et al. **Biochemistry** 1986 Sep 23;25(19):5759–65

Laser–Raman and infrared spectroscopic studies of protein conformation in the eggshell of the fish Salmo gairdneri. Hamodrakas SJ, et al. **Biochim Biophys Acta** 1987 Jun 17; 913(2):163–9

Prediction of protein structural class by discriminant analysis. Klein P. **Biochim Biophys Acta** 1986 Nov 21;874(2):205–15

Synthesis of carboxyacyl derivatives of phosphatidylethanolamine and use as an efficient method for conjugation of protein to liposomes. Kung VT, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):435–9

Resonance Raman study of reconstituted carotenoproteins incorporating astaxanthin and 15,15'–didehydroastaxanthin. Merlin JC, et al. **Biochim Biophys Acta** 1987 Jun 17; 913(2):111–6

Mutant sequences as probes of protein folding mechanisms. Matthews CR, et al. **Bioessays** 1987 Jun;6(6):254–7

Protein pico–sequencing with 4–([5–(dimethylamino)–1–naphthylsulfonyl]amino) phenyl isothiocyanate. Hirano H, et al. **Biol Chem Hoppe Seyler** 1986 Dec;367(12):1259–65

Beta–microseminoprotein (beta–MSP) is not an inhibin. Gordon WL, et al. **Biol Reprod** 1987 May;36(4):829–35

F.p.l.c. analysis of the leakage products of proteins crosslinked on Dacron vascular prostheses. Warocquier–Clérout R, et al. **Biomaterials** 1987 Mar; 8(2):118–23

Origin of low–frequency motions in biological macromolecules. A view of recent progress in the quasi–continuity model. Chou KC. **Biophys Chem** 1986 Dec 15;25(2):105–16

Viscosity dependence of the solute quenching of the tryptophanyl fluorescence of proteins. Eftink MR, et al. **Biophys Chem** 1986 Dec 31;25(3):277–82

Temperature–gradient gel electrophoresis. Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts. Rosenbaum V, et al. **Biophys Chem** 1987 May 9;26(2–3):235–46

Effects of thermodynamic nonideality on protein interactions. Equivalence of interpretations based on excluded volume and preferential solvation. Winzor DJ, et al. **Biophys Chem** 1986 Dec 31;25(3):243–51

Fluorescence lifetime distributions in proteins. Alcala JR, et al. **Biophys J** 1987 Apr;51(4):597–604

Interpretation of fluorescence decays in proteins using continuous lifetime distributions. Alcala JR, et al. **Biophys J** 1987 Jun;51(6):925–36

Thermal denaturation of globular proteins. Fourier transform–infrared studies of the amide III spectral region. Anderle G, et al. **Biophys J** 1987 Jul;52(1):69–74

Measurement of rotational molecular motion by time–resolved saturation transfer electron paramagnetic resonance. Fajer P, et al. **Biophys J** 1986 Dec; 50(6):1195–202

Sidechain rotational isomerization in proteins. Dynamic simulation with solvent surroundings. Ghosh I, et al. **Biophys J** 1987 Apr;51(4):637–41

Influence of specific contacts on the stability and structure of proteins. Theory for the perturbation of a harmonic system. Jackson MB. **Biophys J** 1987 Feb;51(2):313–21

The nature of phonons and solitary waves in alpha–helical proteins. Lawrence AF, et al. **Biophys J** 1987 May; 51(5):785–93

Fluorescence quenching dynamics of tryptophan in proteins. Effect of internal rotation under potential barrier. Tanaka F, et al. **Biophys J** 1987 Mar;51(3):487–95

Effect of cosolvents on solubility of protein in equilibrium between different states. Arakawa T. **Biopolymers** 1987 Jan; 26(1):45–57

The distribution of charged groups in proteins. Barlow DJ, et al. **Biopolymers** 1986 Sep;25(9):1717–33

Sedimentation equilibrium in macromolecular solutions of arbitrary concentration. I. Self–associating proteins. Chatelier RC, et al. **Biopolymers** 1987 Apr;26(4):507–24

Sedimentation equilibrium in macromolecular solutions of arbitrary concentration. II. Two protein components. Chatelier RC, et al. **Biopolymers** 1987 Jul;26(7):1097–113

A modified strategy for identification of 1H spin systems in proteins. Chazin WJ, et al. **Biopolymers** 1987 Jun; 26(6):973–7

The dielectric constant of a folded protein. Gilson MK, et al. **Biopolymers** 1986 Nov;25(11):2097–119

Monte Carlo studies on equilibrium globular protein folding. I. Homopolymeric lattice models of beta–barrel proteins. Kolinski A, et al. **Biopolymers** 1987 Jun;26(6):937–62

Brownian dynamics simulation of protein folding: a study of the diffusion–collision model. Lee SY, et al. **Biopolymers** 1987 Apr;26(4):481–506

Local sequence patterns of hydrophobicity and solvent accessibility in soluble globular proteins. Lipman DJ, et al. **Biopolymers** 1987 Jan;26(1):17–26

Stability of polypeptide conformational states as determined by computer simulation of the free energy. Meirovitch H, et al. **Biopolymers** 1987 May;26(5):651–71

Differential geometry and protein conformation. V. Medium–range conformational influence of the individual amino acids. Rackovsky S, et al. **Biopolymers** 1987 Jul; 26(7):1163–87

Selective binding and solvent denaturation. Schellman JA. **Biopolymers** 1987 Apr;26(4):549–59

Computer simulation of the folding–unfolding transition of island–model proteins—folding pathway, transition process, and fluctuations. Segawa S, et al. **Biopolymers** 1986 Oct;25(10):1815–35

Helix–coil transition theory including long–range electrostatic interactions: application to globular proteins. Vasquez M, et al. **Biopolymers** 1987 Mar;26(3):351–71

The role of proline in the proteolytic regulation of biologically active peptides. Yaron A. **Biopolymers** 1987; 26 Suppl:S215–22

Thermal proteinoids as excitability–inducing materials. Vaughan G, et al. **Biosystems** 1987;20(3):219–23

"Homology" in proteins and nucleic acids: a terminology muddle and a way out of it [letter] Reeck GR, et al. **Cell** 1987 Aug 28;50(5):667

Cellular response to ectopically implanted silk sutures and osteopetrotic bone. Walters LM, et al. **Cell Tissue Res** 1987 Apr;248(1):79–88

Nomenclature recommendations: Bone proteins and growth factors. Hauschka PV, et al. **Coll Relat Res** 1986 Dec; 6(5):453–4

Biochemistry of protein–isocyanate interactions: a comparison of the effects of aryl vs. alkyl isocyanates. Brown WE, et al. **Environ Health Perspect** 1987 Jun; 72:5–11

Fluorescence analysis of protein dynamics. Demchenko AP. **Essays Biochem** 1986;22:120–57 (117 ref.)

Complete amino–acid sequence of the natural ATPase inhibitor from the mitochondria of the yeast Candida utilis. Dianoux AC, et al. **Eur J Biochem** 1987 Feb 16; 163(1):155–60

Stereospecific assignments of side–chain protons and characterization of torsion angles in Eglin c. Hyberts SG, et al. **Eur J Biochem** 1987 May 4;164(3):625–35

Application of a reference convolution method to tryptophan fluorescence in proteins. A refined description of rotational dynamics. Vos K, et al. **Eur J Biochem** 1987 May 15; 165(1):55–63

Non–specific binding of protein–stabilized gold sols as a source of error in immunocytochemistry. Behnke O, et al. **Eur J Cell Biol** 1986 Aug;41(2):326–38

A comparison of the restrained molecular dynamics and distance geometry methods for determining three–dimensional structures of proteins on the basis of interproton distances. Clore GM, et al. **FEBS Lett** 1987 Mar 23;213(2):269–77

Studies on rationales for an expert system approach to the interpretation of protein sequence data. Preliminary analysis of the human epidermal growth factor receptor. Fishleigh RV, et al. **FEBS Lett** 1987 Apr 20;214(2):219–25

Structural relationship between link proteins and proteoglycan monomers. Périn JP, et al. **FEBS Lett** 1986 Sep 29;206(1):73–7

Sequence homology analysis of proteins by chemical cleavages: using a mono and two dimensional sodium dodecyl sulfate–polyacrylamide gel electrophoresis. Han KK, et al. **Int J Biochem** 1986;18(12):1073–82 (55 ref.)

Correctly folded proteins make twice as many hydrophobic contacts. Bryant SH, et al. **Int J Pept Protein Res** 1987 Jan;29(1):46–52

Atomic size packing defects in proteins. Connolly ML. **Int J Pept Protein Res** 1986 Oct;28(4):360–3

A catalogue of phi, psi and omega torsion angles for tetrapeptides in proteins. Easthope PL, et al. **Int J Pept Protein Res** 1986 Jun;27(6):666–72

Chemical modification of proteins: comments and perspectives. Feeney RE. **Int J Pept Protein Res** 1987 Feb; 29(2):145–61

New scoring matrix for amino acid residue exchanges based on residue characteristic physical parameters. Mohana Rao JK. **Int J Pept Protein Res** 1987 Feb;29(2):276–81

Conformation of glycyl residues in globular proteins. Ramakrishnan C, et al. **Int J Pept Protein Res** 1987 May; 29(5):629–37

Protein structural homology: a metric approach. Usha R, et al. **Int J Pept Protein Res** 1986 Oct;28(4):364–9

In the procurement of stable 99mTc labeled protein using bifunctional chelating agent. Arano Y, et al. **Int J Rad Appl Instrum [A]** 1986;37(7):587–92

Comparison of two methods of labeling proteins with 111In. Najafi A, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):345–6

Radial locations of amino acid residues in a globular protein: correlation with the sequence. Nishikawa K, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1043–7

Dinitrophenylation as a probe for the determination of environments of amino groups in protein. Reactivities of individual amino groups in lysozyme. Yamada H, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):233–41

Protein damage and degradation by oxygen radicals. IV. Degradation of denatured protein. Davies KJ, et al. **J Biol Chem** 1987 Jul 15;262(20):9914–20

Protein damage and degradation by oxygen radicals. III. Modification of secondary and tertiary structure. Davies KJ, et al. **J Biol Chem** 1987 Jul 15;262(20):9908–13

Protein damage and degradation by oxygen radicals. II. Modification of amino acids. Davies KJ, et al. **J Biol Chem** 1987 Jul 15;262(20):9902–7

Deamidation, isomerization, and racemization at asparaginyl and aspartyl residues in peptides. Succinimide–linked reactions that contribute to protein degradation. Geiger T, et al. **J Biol Chem** 1987 Jan 15;262(2):785–94

Semiquinone anion radicals from addition of amino acids, peptides, and proteins to quinones derived from oxidation of catechols and catecholamines. An ESR spin stabilization study. Kalyanaraman B, et al. **J Biol Chem** 1987 Aug 15; 262(23):11080–7

Crystallization of Acanthamoeba profilin–I. Magnus KA, et al. **J Biol Chem** 1986 Oct 5;261(28):13360–1

Omission of aspartate values from amino acid analysis reports. James LB. **J Chromatogr** 1986 Nov 7;369(1):178–81

Fluorine–18 labeling of proteins. Kilbourn MR, et al. **J Nucl Med** 1987 Apr;28(4):462–70

Protein and amino acid requirements in the adult human. Millward DJ, et al. **J Nutr** 1986 Dec;116(12):2559–61

A method of oxygen supply to a low volume tissue bath containing a protein solution. Andreasen F, et al. **J Pharmacol Methods** 1987 May;17(3):277–81

Proteins as general crystals [letter] Simon I. **J Theor Biol** 1986 Nov 7;123(1):121–4

Is there evidence for a common amino acid sequence in proteins with membrane attaching ability? Taylor MJ, et al. **J Theor Biol** 1986 Aug 7;121(3):293–306

Enzyme structure. **Methods Enzymol** 1986;130:1–587

Prediction of protein structure. Argos P, et al. **Methods Enzymol** 1986;130:185–207

Fluorescence lifetimes with a synchrotron source. Boxer SG, et al. **Methods Enzymol** 1986;130:484–93

Proline isomerization studied with proteolytic enzymes. Brandts JF, et al. **Methods Enzymol** 1986;131:107–26

Magnetic circular dichroism. Holmquist B. **Methods Enzymol** 1986;130:270–90

Ultraviolet resonance Raman spectroscopy of biopolymers. Hudson B, et al. **Methods Enzymol** 1986;130:331–50

Immobilization of proteins and ligands using chlorocarbonates. Miron T, et al. **Methods Enzymol** 1987; 135:84–90

Calculation of asymptotic boundary shapes from experimental mass migration patterns. Nichol LW, et al. **Methods Enzymol** 1986;130:6–18

Criteria for distinguishing self–associations in velocity sedimentation. Prakash V, et al. **Methods Enzymol** 1986; 130:3–6

Use of immobilized proteinases and peptidases to study structural changes in proteins. Swaisgood HE, et al. **Methods Enzymol** 1987;135:596–604

Measurement of linear polymer formation by small-angle light scattering. Williams RC Jr. **Methods Enzymol** 1986; 130:35–47

Protein secondary structure analysis using Raman amide I and amide III spectra. Williams RW. **Methods Enzymol** 1986;130:311–31

Immunochemical and partial chemical characterization of fractions of membrane-bound smooth lipopolysaccharide–protein complex from Brucella abortus. Wu AM, et al. **Mol Cell Biochem** 1987 Jun;75(2):93–102

X-ray scattering. A new probe of protein dynamics [news] Artymiuk P. **Nature** 1987 Feb 12–18;325(6105):575–6

Knowledge-based prediction of protein structures and the design of novel molecules. Blundell TL, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):347–52 (74 ref.)

Protein structure and the specific heat of water [letter] Kadler K, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):395

Novel materials from protein–polymer grafts. Kaleem K, et al. **Nature** 1987 Jan 22–28;325(6102):328–9

The accessible surface area and stability of oligomeric proteins. Miller S, et al. **Nature** 1987 Aug 27–Sep 2; 328(6133):834–6

Protein crystallography. Catching up with fast changes [news] Ringe D. **Nature** 1987 Sep 10–16;329(6135):102

A nomenclature proposal for the chromogranin/secretogranin proteins. Eiden LE, et al. **Neuroscience** 1987 Jun;21(3):1019–21

Multiple sequence alignment by consensus. Waterman MS. **Nucleic Acids Res** 1986 Nov 25;14(22):9095–102

The Manhattan bridge—a new silk-wrap technique. Golub JE. **NY J Dent** 1986 Nov;56(6):226–8

The silk wrap technique for composite bonding. Golub JE. **NY State Dent J** 1987 May;53(5):28–30

Extending circular dichroism spectra into the vacuum UV and its application to proteins. Johnson WC Jr. **Photochem Photobiol** 1986 Sep;44(3):307–13

Tandem quadrupole Fourier-transform mass spectrometry of oligopeptides and small proteins. Hunt DF, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):620–3

Basic protein enhances the incorporation of DNA into lipid vesicles: model for the formation of primordial cells. Jay DG, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1978–80

Determination of carcinogen–induced macromolecular adducts in animals and humans. Poirier MC, et al. **Prog Exp Tumor Res** 1987;31:1–10

The theory of evolution: the case for randomness in the evolution of DNA and proteins. "The neutral theory of molecular evolution." By Motoo Kimura. Ayala FJ. **Pubbl Sta Zool Napoli [II]** 1986;8(1):129–38

Loops in globular proteins: a novel category of secondary structure. Leszczynski JF, et al. **Science** 1986 Nov 14; 234(4778):849–55

Effect of elastic bend distortions on electron diffraction data from thin protein microcrystals. Dorset DL. **Ultramicroscopy** 1986;19(4):311–5

[Radiologic alternatives of splenectomy] Schuster R. **Langenbecks Arch Chir** 1986;369:387–91 (Eng. Abstr.) **(Ger)**

[Protein engineering and bioelectronics] Karube I. **Nippon Rinsho** 1986 Oct;44(10):2299–306 (5 ref.) **(Jpn)**

[Protein engineering in the field of pharmacy] Nishikawa S, et al. **Nippon Rinsho** 1987 Apr;45(4):911–9 (21 ref.) **(Jpn)**

[Advances in the study on endogenous cysteine proteinase inhibitor family] Katunuma N, et al. **Seikagaku** 1986 Jul; 58(7):470–7 (27 ref.) **(Jpn)**

[Research uses of protein sequence databases] Barker WC, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):163–76 (65 ref.) **(Jpn)**

[Amino acid sequence analysis by a microcomputer] Eguchi Y. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):210–8 (15 ref.) **(Jpn)**

[Design and application of DNA and protein data banks] Kanehisa M. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):187–94 **(Jpn)**

[A brief survey of the Task Group on Coordination of Protein Sequence Data Banks and of its parent organization CODATA] Kotani M. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):8–10 **(Jpn)**

[Prediction of the secondary structure of proteins: a method using homology to proteins of known structures] Nishikawa K. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):79–89 (17 ref.) **(Jpn)**

[Correlation between the primary structure and tertiary structure of protein] Ooi T, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):69–78 (23 ref.) **(Jpn)**

[A theory of heteropolymers with frozen random primary structure: properties of the globular state, coil–globule transitions and possible biophysical applications] Grosberg AIu, et al. **Biofizika** 1986 Nov–Dec;31(6):1045–57 (Eng. Abstr.) **(Rus)**

[Study of the effect of hydration on the dynamics of various globular proteins by Rayleigh scattering of Mössbauer radiation] Kurinov IV, et al. **Biofizika** 1987 Mar–Apr; 32(2):210–4 (Eng. Abstr.) **(Rus)**

[Action of cytoplasmic factors from the regenerating liver on cholesterol esterification in the blood serum of rats with tetrachloromethane liver damage] Konevalova NIu, et al. **Biol Nauki** 1987;(3):25–30 (Eng. Abstr.) **(Rus)**

[Advantages and disadvantages of silver staining of proteins in polyacrylamide gel] Morozov VA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):620–3 (Eng. Abstr.) **(Rus)**

[Protein stability to the effect of denaturing agents and elevated temperature is directly proportional to the fraction of hydrophobic residues in its molecule] Efimov AV. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):62–72 (Eng. Abstr.) **(Rus)**

[Post-synthetic modification of proteins in pathology (defective proteins)] Troitskiĭ GV. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):91–117 (97 ref.) (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Nonparenteral administration of peptide and protein drugs. Siddiqui O, et al. **Crit Rev Ther Drug Carrier Syst** 1987; 3(3):195–208 (115 ref.)

Intact protein vs free amino acids in the nutritional support of thermally injured animals [letter] Brinson RR. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):105–6

ANALYSIS

The labelling of peptides and proteins with a new fluorophore: N-acetyl-DL-(p-N',N'-dimethylamino)phenylalanine. Siemion IZ, et al. **Acta Biochim Pol** 1987;34(1):11–20

High-performance hydrophobic interaction chromatography of proteins. Kato Y. **Adv Chromatogr** 1987;26:97–115 (42 ref.)

Improved method for determination of cellular thiols, disulfides and protein mixed disulfides using HPLC with electrochemical detection. Jensen CB, et al. **Adv Exp Med Biol** 1986;197:407–13

Chromogranin A and B and secretogranin II in medullary carcinomas of the thyroid. Schmid KW, et al. **Am J Surg Pathol** 1987 Jul;11(7):551–6

Limitations of using urea to quantify epithelial lining fluid recovered by bronchoalveolar lavage. Marcy TW, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1276–80

Use of fluorescein hydrazide and fluorescein thiosemicarbazide reagents for the fluorometric determination of protein carbonyl groups and for the detection of oxidized protein on polyacrylamide gels. Ahn B, et al. **Anal Biochem** 1987 Mar;161(2):245–57

Simultaneous determination of the individual concentration gradients of two solute species in a centrifuged mixture: application to analytical ultracentrifugation. Attri AK, et al. **Anal Biochem** 1987 May 1;162(2):409–19

Selective labeling of sulfhydryls and disulfides on blot transfers using avidin–biotin technology: studies on purified proteins and erythrocyte membranes. Bayer EA, et al. **Anal Biochem** 1987 Mar;161(2):262–71

Interference of melanin in protein determination. Borovanský J, et al. **Anal Biochem** 1986 Dec;159(2):249–52

Spectrophotometric determination of tryptophan and tyrosine in peptides and proteins based on new color reactions. Chrastil J. **Anal Biochem** 1986 Nov 1; 158(2):443–6

Measurement of protein using flow injection analysis with bicinchoninic acid. Davis LC, et al. **Anal Biochem** 1987 Feb 15;161(1):152–6

Spectrophotometric quantitation of anchorage-dependent cell numbers using extraction of naphthol blue-black-stained cellular protein. Everitt E, et al. **Anal Biochem** 1987 Apr;162(1):122–9

Antibody probing of western blots which have been stained with india ink. Glenney J. **Anal Biochem** 1986 Aug 1; 156(2):315–9

Analysis of all protein amino acids as their tert.-butyldimethylsilyl derivatives by gas–liquid chromatography. Goh CJ, et al. **Anal Biochem** 1987 May 15;163(1):175–81

Effect of zwitterionic buffers on measurement of small masses of protein with bicinchoninic acid. Kaushal V, et al. **Anal Biochem** 1986 Sep;157(2):291–4

Interference by lipids in the determination of protein using bicinchoninic acid. Kessler RJ, et al. **Anal Biochem** 1986 Nov 15;159(1):138–42

Photobiotin as a sensitive probe for protein labeling. Lacey E, et al. **Anal Biochem** 1987 May 15;163(1):151–8

Application of a nitrocellulose immunoassay for quantitation of proteins secreted in culture media. LaDuca FM, et al. **Anal Biochem** 1986 Nov 1;158(2):262–7

Determination of proteins and sulfobetaine with the Folin–phenol reagent. Ledoux M, et al. **Anal Biochem** 1986 Aug 15;157(1):28–31

Low-cost two-dimensional gel densitometry. Levenson RM, et al. **Anal Biochem** 1986 Nov 1;158(2):294–301

Gas–phase hydrolysis of proteins and peptides. Meltzer NM, et al. **Anal Biochem** 1987 Feb 1;160(2):356–61

A two-step procedure for efficient electrotransfer of both high-molecular-weight (greater than 400,000) and low-molecular-weight (less than 20,000) proteins. Otter T, et al. **Anal Biochem** 1987 May 1;162(2):370–7

Slab gel electrophoresis of oligomeric proteins under high hydrostatic pressure. I. Description of the system and demonstration of the pressure dissociation of a dimer. Paladini AA, et al. **Anal Biochem** 1987 Mar;161(2):358–64

Quantitative electrotransfer of proteins from sodium dodecyl sulfate–polyacrylamide gels onto positively charged nylon membranes. Peluso RW, et al. **Anal Biochem** 1987 May 1;162(2):389–98

Quantification of azo-coupled lysine in azo proteins by amino acid analysis. Pielak GJ, et al. **Anal Biochem** 1986 Aug 1;156(2):403–5

Reversible staining and peptide mapping of proteins transferred to nitrocellulose after separation by sodium dodecylsulfate–polyacrylamide gel electrophoresis. Salinovich O, et al. **Anal Biochem** 1986 Aug 1;156(2):341–7

Isoelectric focusing of proteins in rewetted ultrathin polyacrylamide gel layers. Sippel TO. **Anal Biochem** 1986 Dec;159(2):349–57

Ligand blotting with 125I–fluoresceinamine–heparin. Smith JW, et al. **Anal Biochem** 1987 Jan;160(1):105–14

Protein assay sensitive at nanogram levels. Stoscheck CM. **Anal Biochem** 1987 Feb 1;160(2):301–5

A thin-gel isoelectric focusing method for quantitation of protein S-thiolation. Thomas JA, et al. **Anal Biochem** 1986 Aug 15;157(1):32–8

Use of p-aminobenzoic acid and tritiated cyanoborohydride for the detection of pyruvoyl residues in proteins. van Poelje PD, et al. **Anal Biochem** 1987 Mar;161(2):420–4

Modified method of silver staining of proteins in polyacrylamide gels. Wedrychowski A, et al. **Anal Biochem** 1986 Dec;159(2):323–8

Photothermal quantitation of nanogram quantities of Coomassie brilliant blue stained proteins in denaturing polyacrylamide gels. Peck K, et al. **Anal Chem** 1986 Nov; 58(13):2876–9

A chromosome's protein is a dependent variable of the total metaphase protein. Bahr GF, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):224–6

Determination of total protein in human seminal plasma. Hernvann A, et al. **Andrologia** 1987 Jun;19 Spec No:233–7

Purification and characterization of lysosomes from Chinese hamster ovary cells. Madden EA, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):27–38

Total protein concentration in selectively collected secretions from the middle and inferior meatus of the nose. Sueno K, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S85–8

Monoclonal antibodies to a subfraction of merino wool high-tyrosine proteins. Hewish DR, et al. **Aust J Biol Sci** 1986;39(4):341–51

Newly identified, basic hemolymph proteins from noctuid species. Jones G, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):265–9

Sequence homologies between p36, the substrate of pp60src tyrosine kinase and a 67 kDa protein isoiated from bovine aorta. Martin F, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):961–8

Detection of an alcohol specific product in urine of alcoholics. Tang BK, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):924–7

Composition and genetic variability of heparin–sepharose CL-6B protein fractions obtained from the solubilized proteins of mouse organs. Jungblut P, et al. **Biochem Genet** 1986 Dec;24(11–12):925–39

Protein complement of rod outer segments of frog retina. Hamm HE, et al. **Biochemistry** 1986 Aug 12;25(16):4512–23

An enzyme-linked immunosorbent assay (ELISA) of denatured cartilage link protein. Bassett ME, et al. **Biochim Biophys Acta** 1987 Sep 11;925(3):347–55

Spectrofluorimetric study of the bile salt micelle binding site of pig and horse colipases. Granon S. **Biochim Biophys Acta** 1986 Nov 7;874(1):54–60

Resonance Raman study of reconstituted carotenoproteins incorporating astaxanthin and 15,15'-didehydroastaxanthin. Merlin JC, et al. **Biochim Biophys Acta** 1987 Jun 17; 913(2):111–6

Chemical and biological characterization of low-molecular-weight human skeletal growth factor. Mohan S, et al. **Biochim Biophys Acta** 1986 Nov 19; 884(2):243–50

A carrier-free 32P-labeled Edman reagent for the detection of proteins in the femtomole range. Papandrikopoulou A, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):981–8

Prediction of the secondary structures of stefins and cystatins, the low-molecular mass protein inhibitors of cysteine proteinases. Sali A, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):493–9

Human cysteine proteinases and their protein inhibitors stefins, cystatins and kininogens. Turk V, et al. **Biomed Biochim Acta** 1986;45(11–12):1375–84

Protein structure probed by polarization spectroscopy. II. A time-resolved fluorescence study of human fibrinogen. Acuña AU, et al. **Biophys Chem** 1987 Apr;26(1):63–70

Protein structure probed by polarization spectroscopy. I. Evidence for fibrinogen rigidity from stationary fluorescence. Acuña AU, et al. **Biophys Chem** 1987 Apr; 26(1):55–61

Rapid chromatographic monitoring of bioprocesses. Chase HA. **Biosensors** 1986;2(5):269–86

Fractionation and amino acid composition of an aspartic acid-containing thermal proteinoid population. Luque-Romero MM, et al. **Biosystems** 1986;19(4):267–72

Protein content and wet weight of plaque microsamples. Distler W, et al. **Caries Res** 1987;21(3):200–3

Activated human lymphocytes secrete a soluble factor that aggregates leukocytes. Rouveix B, et al. **Cell Immunol** 1986 May;99(2):385–94

Protein enrichment of sugar beet residue with the inoculation of conidia of Trichoderma album by solid state

fermentation. Yang SS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):69–80

Dynamics of the filarial surface. Howells RE. **Ciba Found Symp** 1987;127:94–106 (43 ref.)

Kinetic immunonephelometric determination of protein concentrations in follicular fluid. Gulamali-Majid F, et al. **Clin Chem** 1987 Jul;33(7):1185–9

More on urinary protein/creatinine index [letter] Macart M, et al. **Clin Chem** 1987 Jan;33(1):199

Electrophoresis indicates protein loss on centrifugation of whole saliva. Marshall T, et al. **Clin Chem** 1987 Jul; 33(7):1263–4

Electrophoresis indicates protein loss on centrifugation of urine. Marshall T, et al. **Clin Chem** 1986 Nov;32(11):2105–6

Microtiter-plate method for estimating protein in biopsies of human small intestine. Nugent DW, et al. **Clin Chem** 1987 Sep;33(9):1671

Highly sensitive method for staining protein fractions on cellulose acetate membrane with acid violet 17. Shiba KS, et al. **Clin Chem** 1986 Dec;32(12):2209

Measurements of serum gamma-seminoprotein and prostate specific antigen evaluated for monitoring carcinoma of the prostate. Siddall JK, et al. **Clin Chem** 1986 Nov; 32(11):2040–3

Nigrosine the forgotten protein stain [letter] Kohn J. **Clin Chim Acta** 1987 Jul 15;166(2–3):335–6

Ouabain-like and non-ouabain-like factors in plasma of patients with essential hypertension. Masugi F, et al. **Clin Exp Hypertens [A]** 1987;9(7):1233–42

Assay of a circulating sodium pump inhibitor in patients with essential hypertension and normotensive subjects. Umeda T, et al. **Clin Exp Hypertens [A]** 1987;9(7):1209–19

Simultaneous analysis of eighteen proteins in the sera and knee joint effusions of patients with rheumatoid arthritis and osteoarthritis. Wiedermann D, et al. **Clin Rheumatol** 1986 Sep;5(3):416–9

The special proteins of bone tissue. Triffitt JT. **Clin Sci** 1987 Apr;72(4):399–408 (121 ref.)

Computer programs for the analysis of protein fluorescence quenching data. Chang RS, et al. **Comput Methods Programs Biomed** 1987 Feb;24(1):37–9

Effects of hyperthermia, irradiation, and cytotoxic drugs on fluorescein isothiocyanate staining intensity for flow cytofluorometry. Dyson JE, et al. **Cytometry** 1987 Jan; 8(1):26–34

Localisation of the protein and glycoprotein components of bovine nasal epithelial desmosomes by immunoelectron microscopy. Miller K, et al. **EMBO J** 1987 Apr;6(4):885–9

Measurement of a follicle-stimulating hormone-responsive protein of Sertoli cell origin using an enzyme-linked immunoblot assay. Lee WM, et al. **Endocrinology** 1986 Nov; 119(5):1914–21

The high-resolution X-ray crystal structure of the complex formed between subtilisin Carlsberg and eglin c, an elastase inhibitor from the leech Hirudo medicinalis. Structural analysis, subtilisin structure and interface geometry. Bode W, et al. **Eur J Biochem** 1987 Aug 3;166(3):673–92

The 19S ring-type particles of Drosophila. Cytological and biochemical analysis of their intracellular association and distribution. Kloetzel PM, et al. **Exp Cell Res** 1987 May; 170(1):204–13

Basic proteins in the human aortic intima: nonequilibrium two-dimensional electrophoretic analysis of tissue extracts. Stastny J, et al. **Exp Mol Pathol** 1986 Dec;45(3):279–86

Ascaris suum: partial isolation and characterization of hypodermis from the adult female. Fetterer RH, et al. **Exp Parasitol** 1987 Jun;63(3):312–8

Leishmania braziliensis: protein, carbohydrate, and antigen differences between log phase and stationary phase promastigotes in vitro. Grögl M, et al. **Exp Parasitol** 1987 Jun;63(3):352–9

Protein and lysozyme content of adult human nucleus pulposus. Sorce DJ, et al. **Experientia** 1986 Oct 15; 42(10):1157–8

Properties and function of caltrin, the calcium-transport inhibitor of bull seminal plasma. San Agustin JT, et al. **FASEB J** 1987 Jul;1(1):60–6

Vapor-phase modification of sulfhydryl groups in proteins. Amons R. **FEBS Lett** 1987 Feb 9;212(1):68–72

Evidence for a second phosphorylation site on eIF-2 alpha from rabbit reticulocytes. Kudlicki W, et al. **FEBS Lett** 1987 May 4;215(1):16–20

Protein, progesterone, and protease inhibitors in uterine and peritoneal fluids of women with endometriosis. Fazleabas AT, et al. **Fertil Steril** 1987 Feb;47(2):218–24

Serum and peritoneal fluid proteins in women with and without endometriosis. Joshi SG, et al. **Fertil Steril** 1986 Dec;46(6):1077–82

Demonstration of proteins and nucleic acids during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):272–9

Effects of toxic agents at the protein level: quantitative measurement of 213 mouse liver proteins following xenobiotic treatment. Anderson NL, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):39–50

Analysis of pure pancreatic juice proteins by two-dimensional gel electrophoresis in cases of pancreatic cancer. Satoh J, et al. **Gastroenterol Jpn** 1986 Dec; 21(6):623–9

Low-protein-concentration ascitic fluid and risk of spontaneous bacterial peritonitis [letter] Bercoff E, et al. **Gastroenterology** 1987 Oct;93(4):915

Biliary proteins and the nucleation defect in cholesterol cholelithiasis. Gallinger S, et al. **Gastroenterology** 1987 Apr; 92(4):867–75

Low-protein-concentration ascitic fluid is predisposed to spontaneous bacterial peritonitis. Runyon BA. **Gastroenterology** 1986 Dec;91(6):1343–6

Relationship of HLA protein display to activation of 2-5A synthetase in HBe antigen or anti-HBe positive chronic HBV infection. Ikeda T, et al. **Gut** 1986 Dec; 27(12):1498–501

Correlation between ascitic protein concentration and its opsonic activity [letter] Boccia S, et al. **Hepatology** 1987 Mar-Apr;7(2):414–6

Aminomethyl coumarin acetic acid: a new fluorescent labelling agent for proteins. Khalfan H, et al. **Histochem J** 1986 Sep;18(9):497–9

Immunocytochemical localization of sphingolipid activator protein-1, the sulfatide/GM1 ganglioside activator, to lysosomes in human liver and colon. Tamaru T, et al. **Histochemistry** 1986;86(2):195–200

Immunological characterization of chromogranins A and B and secretogranin II in the bovine pancreatic islet. Yoshie S, et al. **Histochemistry** 1987;87(2):99–106

Early embryonic histamine-releasing factor: a new model for human implantation. Cocchiara R, et al. **Hum Reprod** 1986 Nov;1(7):445–7

Protein and antigenic composition of adult and microfilarial stages of Setaria cervi. Malhotra A, et al. **Immunol Invest** 1986 Oct;15(6):505–19

Patterns of human epididymal fluid proteins on polyacrylamide gel electrophoresis. Jennings MG, et al. **Int J Androl** 1987 Apr;10(2):441–6

Forward motility protein (FMP): localization in hamster epididymal spermatozoa. Raynaud F, et al. **Int J Androl** 1986 Oct;9(5):371–80

Studies on the constancy of transudated and locally produced proteins in human seminal plasma. Lizana J, et al. **Int J Fertil** 1987 Jan-Feb;32(1):71–6

Chemical composition of newborn larvae, muscle larvae and adult Trichinella spiralis. Kilgore MW, et al. **Int J Parasitol** 1986 Oct;16(5):455–60

Effects of carbamoylation with alkyl isocyanates on the assay of proteins by dye binding. Lea MA, et al. **Int J Pept Protein Res** 1987 May;29(5):561–7

Analysis of bovine udder, plate and viscera using near infrared reflectance spectroscopy. Roberts CA, et al. **J Anim Sci** 1987 Jul;65(1):278–81

Methodologies for the application of monobromobimane to the simultaneous analysis of soluble and protein thiol components of biological systems. Cotgreave IA, et al. **J Biochem Biophys Methods** 1986 Nov;13(4–5):231–49

Determination of protein by Coomassie dye-binding in agarose gels. George R, et al. **J Biochem Biophys Methods** 1986 Nov;13(4–5):221–9

Phenol addition to the Bradford dye binding assay improves sensitivity and gives a characteristic response with different proteins. Marshall T, et al. **J Biochem Biophys Methods** 1986 Oct;13(3):145–50

New strategies for the determination of macromolecular structure in solution. Altman RB, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1403–23 (49 ref.)

Calculation of the partial specific volumes of proteins in concentrated salt, sugar, and amino acid solutions. Arakawa T. **J Biochem (Tokyo)** 1986 Dec;100(6):1471–5

Purified crystalloid endoplasmic reticulum from UT-1 cells contains multiple proteins in addition to 3-hydroxy-3-methylglutaryl coenzyme A reductase. Kochevar DT, et al. **J Biol Chem** 1987 Jul 25; 262(21):10321–6

Cartilage-inducing factor-B is a unique protein structurally and functionally related to transforming growth factor-beta. Seyedin SM, et al. **J Biol Chem** 1987 Feb 15; 262(5):1946–9

Rabbit alveolar macrophages contain a Ca2+-sensitive, 41,000-dalton protein which reversibly blocks the "barbed" ends of actin filaments but does not sever them. Southwick FS, et al. **J Biol Chem** 1986 Oct 25;261(30):14191–5

Assignment of disulfide bonds in proteins by fast atom bombardment mass spectrometry. Yazdanparast R, et al. **J Biol Chem** 1987 Feb 25;262(6):2507–13

Cap Z(36/32), a barbed end actin-capping protein, is a component of the Z-line of skeletal muscle. Casella JF, et al. **J Cell Biol** 1987 Jul;105(1):371–9

A postsynaptic Mr 58,000 (58K) protein concentrated at acetylcholine receptor-rich sites in Torpedo electroplaques and skeletal muscle. Froehner SC, et al. **J Cell Biol** 1987 Jun;104(6):1633–46

Nuclear antigens follow different pathways into daughter nuclei during mitosis in early Drosophila embryos. Frasch M, et al. **J Cell Sci** 1986 Jun;82:155–72

Use of high-performance hydrophobic interaction chromatography for the determination of salting-out conditions of proteins. Berkowitz SA, et al. **J Chromatogr** 1987 Feb 27;389(1):317–21

Diffusion coefficients of proteins in carrier ampholyte versus immobiline gels. Gelfi C, et al. **J Chromatogr** 1987 Mar 18;390(1):225–36

Differences in retention of protein amino acids by C18 Sep-Pak cartridges. Hart RJ, et al. **J Chromatogr** 1986 Oct 10;368(1):164–7

Computer analysis of proteins separated by polyacrylamide gradient pore gel electrophoresis. Herrero P, et al. **J Chromatogr** 1987 May 15;416(2):265–80

Theoretical and experimental study of high-performance electrophoretic mobilization of isoelectrically focused protein zones. Hjertén S, et al. **J Chromatogr** 1987 Jan 30; 387:127–38

Mild interaction of proteins with butyl and hydroxyl groups on the surface of polymer gels TSK HW-65 and butyl toyopearl 650-M. Imai H, et al. **J Chromatogr** 1986 Dec 26;371:29–35

Ion-exchange and hydrophobic-interaction high-performance liquid chromatography of proteins. A practical study. Josić D, et al. **J Chromatogr** 1986 Dec 26; 371:43–54

Zonal high-performance affinity chromatography as a tool for protein interaction studies with special reference to the lipase-colipase complex. Mahe N, et al. **J Chromatogr** 1987 Jun 12;395:511–21

Behaviour in a silica-based high-performance liquid gel permeation chromatographic column of the apo- and holo-forms of the haem-binding proteins haemopexin, histidine-rich glycoprotein, globin and albumin. Majuri R. **J Chromatogr** 1987 Jan 30;387:281–90

Cystine-rich proteins of human hair: characterization and structure as revealed by reversed-phase and size-exclusion high-performance liquid chromatography. Said HM, et al. **J Chromatogr** 1986 Aug 22;381(1):41–52

Microbore flow-rates and protein chromatography. Schlabach TD, et al. **J Chromatogr** 1987 Jan 9;385:65–74

Preparative high-performance liquid chromatography of proteins on an anion exchanger using unfractionated carboxymethyldextran displacers. Torres AR, et al. **J Chromatogr** 1987 Feb 27;389(1):177–82

Comparison of reversed-phase column materials for high-performance liquid chromatography of proteins. van der Zee R, et al. **J Chromatogr** 1986 Oct 24;368(2):283–9

Mechanism of DNA (Southern) and protein (Western) blotting on cellulose nitrate and other membranes. Van Oss CJ, et al. **J Chromatogr** 1987 Mar 27;391(1):53–65

Factors affecting the relationship between the plate height and the linear mobile phase velocity in gel filtration chromatography of proteins. Yamamoto S, et al. **J Chromatogr** 1987 May 22;394(2):363–7

Gradient and isocratic high-performance liquid chromatography of proteins on a new agarose-based anion exchanger. Yao K, et al. **J Chromatogr** 1987 Jan 9;385:87–98

Comparative sensitivity of 125I-protein A and enzyme-conjugated antibodies for detection of immunoblotted proteins. Bernstein JM, et al. **J Clin Microbiol** 1987 Jan;25(1):72–5

Analysis of odontogenic keratocyst fluids for preoperative diagnosis [letter] Smith AJ, et al. **J Clin Pathol** 1987 Mar; 40(3):354–5

Two-dimensional gel electrophoresis of dog crevicular fluid proteins. Mukherjee S, et al. **J Clin Periodontol** 1987 Jul; 14(6):320–5

Uterine luminal proteins during the preimplantation period in the ferret. Foresman KR. **J Exp Zool** 1987 Jul; 243(1):103–9

Protein gradients in byssal threads of some marine bivalve molluscs. Mascolo JM, et al. **J Exp Zool** 1986 Oct; 240(1):1–7

Matrix proteins of the teeth of the sea urchin Lytechinus variegatus. Veis DJ, et al. **J Exp Zool** 1986 Oct; 240(1):35–46

An enzyme-linked immunosorbent assay (ELISA) for human semen identification based on a biotinylated monoclonal antibody to a seminal vesicle-specific antigen. Herr JC, et al. **J Forensic Sci** 1987 Mar;32(2):346–56

A comparison of two procedures for labelling the surface of the hydatid disease organism, Echinococcus granulosus, with 125I. McManus DP, et al. **J Helminthol** 1987 Mar; 61(1):47–52

Phospholipid degradation in, and protein content of, rat fistula bile. Contamination of bile with pancreatic juice. Billington D, et al. **J Hepatol** 1986;3(2):233–40

Ultrastructural localization of rat Clara cell 10 KD secretory protein by the immunogold technique using polyclonal and monoclonal antibodies. Bedetti CD, et al. **J Histochem Cytochem** 1987 Jul;35(7):789–94

Suppression of nonspecific binding of avidin-biotin complex (ABC) to proteins electroblotted to nitrocellulose paper. Clark RK, et al. **J Histochem Cytochem** 1986 Nov; 34(11):1509–12

In situ localization of amylase mRNA and protein. An investigation of amylase gene activity in normal human parotid gland. Morley DJ, et al. **J Histochem Cytochem** 1987 Jan;35(1):9–14

Usefulness of the immunogold technique in quantitation of a soluble protein in ultra-thin sections. Posthuma G, et al. **J Histochem Cytochem** 1987 Apr;35(4):405–10

'Key paper' for covalent binding of proteins and its uses. Chemla Y, et al. **J Immunol Methods** 1986 Nov 20; 94(1–2):263–9

Demonstration of molecular weight markers on Western blots using polyclonal antisera [letter] Confer AW, et al. **J Immunol Methods** 1986 Nov 6;93(2):285–6

Rapid, quantitative microassay for the monokine respiration inhibitory factor. Klostergaard J, et al. **J Immunol Methods** 1987 Jul 16;101(1):97–108

Re.: Invalidation of Lowry protein estimations and

macrophage [3H]deoxyglucose uptake by plastic tubes and airflow [letter] Philp JR, et al. **J Immunol Methods** 1987 Apr 16;98(2):285–6
Assessment of coating–efficiency in ELISA plates by direct protein determination. Sorensen K, et al. **J Immunol Methods** 1986 Dec 24;95(2):291–3
Rapid identification of proteins on flat surfaces, using antibody–coated metal oxide suspensions. Vroman L, et al. **J Immunol Methods** 1986 Nov 6;93(2):213–6
Protein phenotypes of mouse macrophages activated in vivo for tumor cell killing. MacKay RJ, et al. **J Leukocyte Biol** 1987 Sep;42(3):213–21
Analysis of tegumental surface proteins of Schistosoma mansoni primary sporocysts. Boswell CA, et al. **J Parasitol** 1987 Aug;73(4):778–86
Mechanism studies of coomassie blue and silver staining of proteins. de Moreno MR, et al. **J Pharm Sci** 1986 Sep; 75(9):907–11
Complement in local biliary tract defense: dissociation between bile complement and acute phase reactants in cholecystitis. Wilton PB, et al. **J Surg Res** 1987 Apr; 42(4):434–9
Genetic code redundancy and its differential influence on the evolution of protein interiors versus exteriors. Dufton MJ. **J Theor Biol** 1986 Sep 21;122(2):231–6
Intracisternal protein in the type II pneumocyte of the ferret, guinea pig, and mongrel dog. Miller ML, et al. **J Ultrastruct Mol Struct Res** 1986 Apr–Jun;95(1–3):131–41
Ultrastructural morphology and protein content of the internal organic material of rat otoconia. Pote KG, et al. **J Ultrastruct Mol Struct Res** 1986 Apr–Jun;95(1–3):61–70
Receptor–assay for endogenous inhibitors of Na–K ATPase. Favre H, et al. **Klin Wochenschr** 1987;65 Suppl 8:49–52
Ultrastructure of proteinaceous bladder plugs in male rats. Lee KP. **Lab Anim Sci** 1986 Dec;36(6):671–7
Antibodies to liver cytoplasmic protein complex in chronic hepatic disease. Meliconi R, et al. **Lancet** 1987 Mar 21; 1(8534):683–4
Occurrence of anti–gizzard P34K antibody cross–reactive components in bovine smooth muscles and non–smooth muscle tissues. Takahashi K, et al. **Life Sci** 1987 Jul 20; 41(3):291–6
Aging in the AXC/SSh rat: characterization of moderately abundant ventral prostate proteins showing age–dependent diminution and one protein exhibiting age–invariant content. Shain SA, et al. **Mech Ageing Dev** 1986 Dec; 37(2):147–62
Activator proteins for lysosomal glycolipid hydrolysis. Conzelmann E, et al. **Methods Biochem Anal** 1987;32:1–23 (106 ref.)
Synthesis of chemiluminogenic protein conjugates with dimethyl adipimidate for sensitive immunoassays. Messeri G, et al. **Methods Enzymol** 1986;133:557–68
Analysis of extracellular matrix proteins in biological fluids. Risteli L, et al. **Methods Enzymol** 1987;145:391–411
Use of gel electrophoresis to characterize multimolecular aggregates. Serwer P. **Methods Enzymol** 1986;130:116–32
Luminescence immunoassays for haptens and proteins. Wood WG, et al. **Methods Enzymol** 1986;133:354–65
Distribution of iodinated proteins in Dipetalonema viteae after surface labelling. Betschart B, et al. **Mol Biochem Parasitol** 1987 Jan 2;22(1):1–8
Peptide digest studies of polymorphic proteins of Plasmodium falciparum. Fenton B. **Mol Biochem Parasitol** 1987 May; 24(1):13–22
Cellular proteins homologous to the viral yes gene product. Sudol M, et al. **Mol Cell Biol** 1986 Aug;6(8):2839–46
Comparison of seminal vesicle secretory proteins of rodents using antibody and nucleotide probes. Fawell SE, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):107–14
Lead–associated protein in kidney and brain. **Nutr Rev** 1986 Oct;44(10):347–8
Significance of postgamma protein fraction in tears. Suárez JC. **Ophthalmologica** 1986;193(1–2):75–7
Comparative studies on soluble protein profiles and isozyme patterns of seven Trichinella isolates. Fukumoto S, et al. **Parasitol Res** 1987;73(4):352–7
Complete amino acid sequence of human thyroxine–binding globulin deduced from cloned DNA: close homology to the serine antiproteases. Flink IL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7708–12
Primary structure and nuclear localization of a murine homeodomain protein. Kessel M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5306–10
Tenascin is a stromal marker for epithelial malignancy in the mammary gland. Mackie EJ, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4621–5
Post–separation detection of nucleic acids and proteins by neutron activation. Snapka RM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8939–42
Temperature–compensated ultradian variation in cellular protein content of Acanthamoeba castellanii revisited. Marques N, et al. **Prog Clin Biol Res** 1987;227A:105–19
Trypanosoma (Schizotrypanum) cruzi and Trypanosoma (Herpetosoma) rangeli. I. Comparative studies by polyacrylamide–gel electrophoresis. Basso B, et al. **Rev Latinoam Microbiol** 1986 Jul–Sep;28(3):265–9
Steroidogenesis–activator polypeptide isolated from a rat Leydig cell tumor. Pedersen RC, et al. **Science** 1987 Apr 10;236(4798):188–90
Effect of monocrotaline ingestion on the distribution of protein and angiotensin converting enzyme activity in the rat lung. Shale DJ, et al. **Thorax** 1986 Dec;41(12):914–8
Presence of proteins and glutamate as major constituents of the venom of the spider Araneus gemma. Early SL, et al. **Toxicon** 1987;25(4):433–42
Biochemical development of the rat lung: studies on cellular DNA, RNA and protein content in relation to maternal vitamin A status. Sharma HS, et al. **Z Ernahrungswiss** 1987 Jun;26(2):116–24
[Comparative studies on Slab–PAGE of proteins of Ascaris lumbricoides, Ascaris suum and Toxocara canis] Luo ZJ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):129–31 (Eng. Abstr.) **(Chi)**
[Analysis of proteins by immunoblotting. Application to dermatology] Verrando P. **Ann Dermatol Venereol** 1987; 114(5):773–9 **(Fre)**
[Immunohistochemical detection of acid cysteine proteinase inhibitors in lymphatic infiltrates of the thyroid gland] Rinne A, et al. **Acta Histochem (Jena)** 1986;80(2):191–5 (Eng. Abstr.) **(Ger)**
[Levels of DNA, RNA, protein and non–protein N in tissues from normally developed piglets and straddling piglets of very different birth weights. 1. Results of analyses of the cerebrum, cerebellum, pons with the medulla oblongata and the spinal cord] Hillert S, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):65–77 (Eng. Abstr.) **(Ger)**
[Levels of DNA, RNA, protein and non–protein N in tissues of normally developed piglets and straddling piglets of very different birth weights. 3. Analyses of various skeletal muscles] Hillert S, et al. **Arch Exp Veterinarmed** 1987 Jan; 41(1):90–103 (Eng. Abstr.) **(Ger)**
[Comparative study of partial amino acid sequences of prolamins and glutelins from various cereals. VII. Amino acid sequences of prolamin peptides] Wieser H, et al. **Z Lebensm Unters Forsch** 1987 May;184(5):366–73 (Eng. Abstr.) **(Ger)**
[Nephelometric determination of protein concentrations using instruments of the Spekol series of the Jena VEB Carl Zeiss combination equipment. 2. Methodologic principles of immunonephelometric determination of single proteins] Hartmann W, et al. **Z Med Lab Diagn** 1986; 27(8):443–50 (Eng. Abstr.) **(Ger)**
[Nephelometric determination of protein concentrations with apparatus of the Spekol series of the Carl Zeiss plant in Jena. 1. Total protein determination] Hartmann W, et al. **Z Med Lab Diagn** 1986;27(7):377–82 (Eng. Abstr.) **(Ger)**
[SDS electrophoresis in ultrathin polyacrylamide gels on polyester film] Peisker K. **Z Med Lab Diagn** 1987; 28(1):38–42 (Eng. Abstr.) **(Ger)**
[Effect of synovial extract from patients with rheumatoid arthritis on the proliferation of cultured chondrocytes] Ichinohe S. **Nippon Seikeigeka Gakkai Zasshi** 1986 Nov; 60(11):1125–36 (Eng. Abstr.) **(Jpn)**
[A new simplified colorimetric assay of colipase in duodenal juice using BALB as substrate and its clinical application] Furukawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1367–75 (Eng. Abstr.) **(Jpn)**
[Analysis of seminal plasma proteins. A. Gamma–Seminoprotein (gamma–Sm)—its immunochemical characteristics] Hara M. **Rinsho Byori** 1986 Jul;34 Spec No 68:50–6 **(Jpn)**
[Determination of gamma–Sm] Kamachi S, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:65–73 **(Jpn)**
[Clinical evaluation of six tumor markers (ferritin, CEA, TPA, AFP, PAP, gamma–Sm) in serum in patients with urogenital malignancies] Koizumi F, et al. **Rinsho Byori** 1986 Sep;34(9):1053–8 **(Jpn)**
[Analysis of seminal plasma proteins. B. Histopathological localization of gamma–Sm] Orikasa S, et al. **Rinsho Byori** 1986 Jul;34 Spec No 68:57–64 **(Jpn)**
[Gene fusion in studies on gene expression regulation and protein analysis. Use of lac fusion] Wild J. **Postepy Biochem** 1986;32(4):421–43 **(Pol)**
[Interaction of adjacent amino acid residues in the structured regions of globular proteins] Barkovskiĭ EV. **Biofizika** 1986 Nov–Dec;31(6):944–8 (Eng. Abstr.) **(Rus)**
[Possibility of wide–angle neutron scattering in the study of proteins and nucleic acids in solutions] Pavlov MIu, et al. **Biofizika** 1986 Nov–Dec;31(6):964–71 (Eng. Abstr.) **(Rus)**
[Study of the protein–peptide composition of secretory granules of bovine lactogenic hormone] Nagornaia LV, et al. **Biokhimiia** 1986 Aug;51(8):1348–54 (Eng. Abstr.) **(Rus)**
[Properties of informosomes fixed by ultraviolet irradiation] Voronina AS, et al. **Biokhimiia** 1987 May;52(5):862–9 (Eng. Abstr.) **(Rus)**
[Marker proteins of the differentiation of cultured human prostatic epithelial cells] Bozhok IuM, et al. **Eksp Onkol** 1986;8(5):34–6 (Eng. Abstr.) **(Rus)**
[Cationic proteins and phagocytic activity of polymorphonuclear leukocytes migrating on the mucosal surface of the tonsils] Dragomiretskiĭ VD, et al. **Lab Delo** 1986;(7):392–5 (Eng. Abstr.) **(Rus)**
[Use of coomassie Brilliant Blue G–250 in photometric protein determination] Mamedov MK, et al. **Lab Delo** 1987; (3):217–20 (Eng. Abstr.) **(Rus)**
[Lysosomal cation test in gastroduodenal diseases] Pigarevskiĭ VE, et al. **Lab Delo** 1986;(7):397–401 (Eng. Abstr.) **(Rus)**
[Use of electrophoresis on cellulose acetate films in establishing the species specificity of protein] Ol'khovik VP. **Sud Med Ekspert** 1986 Jul–Sep;29(3):32–5 (Eng. Abstr.) **(Rus)**
[Cytophotometric analysis of the protein and nucleic acid content of the nucleus and cytoplasm of resting and proliferation–activated hepatocytes in the mouse] Selivanova GV, et al. **Tsitologiia** 1987 Feb;29(2):186–96 (Eng. Abstr.) **(Rus)**
[A simple method of protein determination in polyacrylamide gel using silver staining] Grebinozhko EI, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):62–5 (Eng. Abstr.) **(Rus)**
[Protein immunoblot and immunodot in biochemical studies] Starodub NF, et al. **Ukr Biokhim Zh** 1987 May–Jun; 59(3):108–20 (70 ref.) (Eng. Abstr.) **(Rus)**
[Carbohydrate composition of non–collagen proteins and methods for their determination in mineralized tissues] Gaĭdamak AN, et al. **Vopr Med Khim** 1986 Nov–Dec; 32(6):103–6 (Eng. Abstr.) **(Rus)**
[Changes in protein metabolism in acute hypervitaminosis A, in rats] Alarcón OM, et al. **Acta Cient Venez** 1986; 37(2):162–9 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Effect of a protein synthetic inhibitor on in vivo estimates of protein synthesis in dogs. Schwenk WF, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E595–8
Inactivation of the mitochondrial ATPase inhibitor protein by chemical modification with diethylpyrocarbonate. Guerrieri F, et al. **Biochim Biophys Acta** 1987 Jul 22; 892(3):284–93
Clostridium difficile cytotoxin inhibits protein synthesis in fibroblasts and intestinal mucosa. Pothoulakis C, et al. **Gastroenterology** 1986 Nov;91(5):1147–53
Photoreceptor degeneration in a pure–cone retina. Effects of cyclic nucleotides, and inhibitors of phosphodiesterase and protein synthesis. Williams DS, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1059–69
The radiation inactivation method as a tool to study structure–function relationships in proteins. Beauregard G, et al. **Methods Biochem Anal** 1987;32:313–43 (86 ref.)
Colchicine: possible new application of its antifibrotic (antisecretory) action. Chaldakov GN, et al. **Physiol Bohemoslov** 1987;36(1):1–7 (70 ref.)

BIOSYNTHESIS

T3 stimulation of 2–deoxy–D–glucose uptake in cultured chick embryo carcass derived cells, requires neosynthesis of proteins. Gordon A, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):259–64
Protein synthesis in Ito cells (fat–storing cells) of cultured liver tissues from CCL4–treated mice. A light and electron microscopic autoradiographic study. Enzan H. **Acta Pathol Jpn** 1987 Feb;37(2):225–30
Effect of estradiol on the protein synthesis in the female rat liver in vitro. Nikolov YT, et al. **Acta Physiol Pharmacol Bulg** 1987;13(1):46–51
Incorporation of carbon from 14C–labelled precursors into major chemical fractions of Haemonchus contortus in vitro. Kapur J, et al. **Acta Vet Hung** 1986;34(3–4):183–7
Preliminary studies on the inflammatory stimulus induced proteins in mouse resident peritoneal macrophages. Lokesh BR, et al. **Agents Actions** 1987 Jun;21(1–2):145–8
The role of glucose and insulin in the effect of ethanol on protein synthesis in isolated rat hepatocytes. Wallin B, et al. **Alcohol Alcohol** 1987;22(3):219–26
Hepatic protein synthetic activity in vivo after ethanol administration. Donohue TM Jr, et al. **Alcoholism (NY)** 1987 Feb;11(1):80–6
Differentiation of human neuroblastoma recapitulates neural crest development. Study of morphology, neurotransmitter enzymes, and extracellular matrix proteins. Tsokos M, et al. **Am J Pathol** 1987 Sep;128(3):484–96
Precursors of ribose 5–phosphate suppress expression of glucose–regulated proteins in LLC–PK1 cells. Gstraunthaler G, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C239–43
Alpha 1–adrenergic stimulation of rat myocardial cells increases protein synthesis. Meidell RS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1076–84
Protein synthesis during hypoxia in fetal lambs. Milley JR. **Am J Physiol** 1987 Apr;252(4 Pt 1):E519–24
Protein synthesis in the rat seminiferous epithelium during onset of spermatogenesis—an autoradiographic study. Kumari M, et al. **Andrologia** 1986 Sep–Oct;18(5):474–82
Impact of virus infection on host cell protein synthesis. Schneider RJ, et al. **Annu Rev Biochem** 1987;56:317–32 (142 ref.)
Regulation of the synthesis and assembly of ciliary and flagellar proteins during regeneration. Lefebvre PA, et al. **Annu Rev Cell Biol** 1986;2:517–46 (121 ref.)
The poliovirus–induced shut–off of cellular protein synthesis persists in the presence of 3–methylquercetin, a flavonoid which blocks viral protein and RNA synthesis. Vrijsen R, et al. **Antiviral Res** 1987 Jan;7(1):35–42
Stimulation of the synthesis of collagenase activator protein in cartilage by a factor present in synovial–conditioned medium. Treadwell BV, et al. **Arch Biochem Biophys** 1986 Dec;251(2):724–31
Macrophage–mediated modulation of hepatocyte protein synthesis. Effect of dexamethasone. Keller GA, et al. **Arch Surg** 1986 Oct;121(10):1199–205

Homologous oxypiperidines as inhibitors of protein synthesis in vitro and ex vivo. Kuznetsov DA, et al. **Arch Toxicol** 1987 Apr;59(6):456–7

Influence of clofibrate on the plasma lipoprotein pattern and on the lipid content and protein and collagen synthesis in atherosclerotic coronary arteries and abdominal aorta from hypercholesterolemic mini-pigs. Jacobsson L. **Atherosclerosis** 1987 Feb;63(2–3):173–80

Phosphorothioated binary complex of eukaryotic initiation factor eIF-2 and GDP inhibits protein synthesis in hemin-supplemented reticulocyte lysates. Hurst R, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):772–7

Protein synthesis in rabbit reticulocytes: Mg2+-inhibition of ternary complex (Met-tRNA(f).eIF-2.GTP) formation by reticulocyte eIF-2. Roy AL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):114–20

Experimental approaches to the study of the biogenesis of mammalian mitochondrial proteins. Freeman KB, et al. **Biochem Cell Biol** 1986 Nov;64(11):1108–14 (71 ref.)

Patterns of protein synthesis during the cell cycle of Chinese hamster ovary cells. Westwood JT, et al. **Biochem Cell Biol** 1987 Mar;65(3):219–29

Inhibition of overall protein and RNA synthesis as a mechanism for the tunicamycin induced decrease in cytochrome P-450 in rat hepatocytes. Singh Y, et al. **Biochem Int** 1986 Aug;13(2):213–20

Inhibition of protein synthesis in LLC-PK1 cells increases calcitonin-induced plasminogen-activator gene transcription and mRNA stability. Altus MS, et al. **Biochem J** 1987 Mar 1;242(2):387–92

Effect of polyamine depletion on macromolecular synthesis of the malarial parasite, Plasmodium falciparum, cultured in human erythrocytes. Assaraf YG, et al. **Biochem J** 1987 Feb 15;242(1):221–6

Rate-limiting steps for protein synthesis in isolated rat liver cells. Role of aspartate availability. Pérez-Sala D, et al. **Biochem J** 1987 Mar 1;242(2):485–92

Key role of L-alanine in the control of hepatic protein synthesis. Pérez-Sala D, et al. **Biochem J** 1987 Jan 15; 241(2):491–8

Biosynthesis of proteins by human gastric mucosa in vitro. Spohn M, et al. **Biochem J** 1987 Mar 1;242(2):339–46

The role of mitochondrial calcium transport during inflammation and the effect of anti-inflammatory drugs. Somasundaram S, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):220–30

Effect of diethylmaleate and other glutathione depletors on protein synthesis. Costa LG, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3383–8

Stimulation of brain-stem protein synthesis by morphine. Rönnbäck L, et al. **Biochem Pharmacol** 1986 Nov 1; 35(21):3685–92

Different effects of oxytetracycline and doxycycline on mitochondrial protein synthesis in rat liver after long-term treatment. van den Bogert C, et al. **Biochem Pharmacol** 1987 May 1;36(9):1555–9

The role of metabolites of arachidonic acid in the physiology and pathophysiology of muscle protein metabolism. Reeds PJ, et al. **Biochem Soc Trans** 1987 Jun;15(3):328–31

Rapid and selective effects of thyrotropin on [35S]methionine incorporation into cytoplasmic and nuclear proteins in calf thyroid tissue slices. Cooper E, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):26–33

Protein synthesis inhibition by 8-oxo-12,13-epoxytrichothecenes. Ehrlich KC, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):206–13

Requirement of gene transcription and protein synthesis for cold- and norepinephrine-induced stimulation of thyroxine deiodinase in rat brown adipose tissue. Jones R, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):366–73

Interferon inhibits preferentially the synthesis of proteins associated with growth stimulation of Swiss 3T3 mouse fibroblasts. Sundström S, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):275–84

Skeletal growth factor is produced by human osteoblast-like cells in culture. Wergedal JE, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):163–70

Effects of castration on the epididymis of a non-mammalian vertebrate: evolution of morphology, protein synthesis, and of specific mRNA levels. Morel F, et al. **Biol Cell** 1986; 58(3):201–9

The role of the cytosolic fraction and of initiation factor eIF-2 for changes of the rate of protein synthesis during liver regeneration. Bommer UA, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):445–50

The detection of oviduct-specific proteins in the baboon (Papio anubis). Fazleabas AT, et al. **Biol Reprod** 1986 Sep; 35(2):455–62

Biochemical characterization and biosynthesis of the uterine milk proteins of the pregnant sheep uterus. Hansen PJ, et al. **Biol Reprod** 1987 Mar;36(2):405–18

Protein synthesis and secretion in human decidua of early pregnancy. Kisalus LL, et al. **Biol Reprod** 1987 Apr; 36(3):785–98

Synthesis and secretion of stage-specific proteins by peri-implantation mouse embryos. Nieder GL, et al. **Biol Reprod** 1987 Apr;36(3):687–99

The effect of propranolol on protein synthesis and phagocytosis by polymorphonuclear leukocytes from newborn, children and elderly individuals. Straussberg-Djaldetti R, et al. **Biomed Pharmacother** 1986; 40(7):265–9

Rapid response of protein synthesis to insulin in 3T3 cells: effects of protein kinase C depletion and differences from the response to serum repletion. Hesketh JE, et al. **Biosci Rep** 1986 Sep;6(9):797–804

Development of structural organization of protein-synthesizing machinery from prokaryotes to eukaryotes. Ryazanov AG, et al. **Biosystems** 1987; 20(3):275–88 (105 ref.)

Effects of four bisphosphonates on bone resorption, lysosomal enzyme release, protein synthesis and mitotic activities in mouse calvarial bones in vitro. Lerner UH, et al. **Bone** 1987;8(3):179–89

Protein synthesis and growth in the gastrointestinal tract of the young preruminant lamb. Attaix D, et al. **Br J Nutr** 1987 Jul;58(1):159–69

Contribution of whole-body protein synthesis to basal metabolism in layer and broiler chickens. Muramatsu T, et al. **Br J Nutr** 1987 Mar;57(2):269–77

Impairment of protein synthesis in the rat uterus following intrauterine delivery of indomethacin. Hurst PR, et al. **Br J Pharmacol** 1986 Sep;89(1):199–205

Protein production by sheep embryos during the period of maternal recognition of pregnancy. Manns JG, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1223–8

Induction of common patterns of polypeptide synthesis and phosphorylation by calcium and 12-O-tetradecanoylphorbol-13-acetate in mouse epidermal cell culture. Wirth PJ, et al. **Cancer Res** 1987 Jun 1; 47(11):2831–8

Yeast KEX1 gene encodes a putative protease with a carboxypeptidase B-like function involved in killer toxin and alpha-factor precursor processing. Dmochowska A, et al. **Cell** 1987 Aug 14;50(4):573–84

Differential time-course of induction of rat liver gamma-glutamyltransferase and drug-metabolizing enzymes in the endoplasmic reticulum, Golgi and plasma membranes after a single phenobarbital injection. Evaluation of protein variations by two-dimensional electrophoresis. Antoine B, et al. **Cell Biochem Funct** 1987 Jul;5(3):217–31

S phase mouse embryo fibroblasts secrete varying amounts of a 45,000 dalton protein. Nagashunmugam T, et al. **Cell Biol Int Rep** 1987 Mar;11(3):147–55

Neuroregulation of protein synthesis in odontoblasts of the first molar of the rat after wounding. Chiego DJ Jr, et al. **Cell Tissue Res** 1987 Apr;248(1):119–23

Stimulation of pancreatic secretory process in the rat by low-molecular weight proteinase inhibitor. II. Regulation of total protein and individual enzyme biosynthesis. Rausch U, et al. **Cell Tissue Res** 1987 Jul;249(1):63–7

Protein and energy metabolism in liver tissue following intravenous infusion of live E. coli bacteria in rats. Pedersen P, et al. **Circ Shock** 1987;21(1):59–64

The effect of indomethacin on the response of protein synthesis to feeding in rats and man. McNurlan MA, et al. **Clin Sci** 1987 Jul;73(1):69–75

Abstracts from the meeting on steroid hormone regulation of extracellular matrix proteins. Vergennes, Vermont, June 29-July 2, 1986. **Coll Relat Res** 1986 Dec;6(5):435–52

Suppression of matrix protein synthesis by herpes simplex virus type 1 in human endothelial cells. Ziaie Z, et al. **Coll Relat Res** 1986 Oct;6(4):333–49

The effects of starvation and refeeding on egg laying and the synthetic activity of the albumen gland in Bulinus truncatus, a snail vector of urinary schistosomiasis. Bayomy MF, et al. **Comp Biochem Physiol [A]** 1987;87(3):607–12

The effect of cyclic AMP on the accumulation of newly synthesized protein in the extracellular matrix of PFHR-9 teratocarcinoma cells. Bush GL, et al. **Connect Tissue Res** 1987;16(1):95–107

7C female sterile mutants fail to accumulate early eggshell proteins necessary for later chorion morphogenesis in Drosophila. Bauer BJ, et al. **Dev Biol** 1987 Jun; 121(2):349–58

Differential effects of activators of cAMP-dependent protein kinase and protein kinase C on cleavage of one-cell mouse embryos and protein synthesis and phosphorylation in one- and two-cell embryos. Poueymirou WT, et al. **Dev Biol** 1987 Jun;121(2):489–98

Changes in the synthesis and intracellular localization of nuclear proteins during embryogenesis in the sea urchin Strongylocentrotus purpuratus. Servetnick MD, et al. **Dev Biol** 1987 Sep;123(1):231–44

Synthesis of mouse t complex proteins during haploid stages of spermatogenesis. Silver LM, et al. **Dev Biol** 1987 Feb; 119(2):605–8

Role of cyclosporin A in macromolecular synthesis of beta-cells. Eun HM, et al. **Diabetes** 1987 Aug;36(8):952–8

Insulin and other stimulants have nonparallel translational effects on protein synthesis. Okabayashi Y, et al. **Diabetes** 1987 Sep;36(9):1054–60

Effect of volatile anesthetics on protein synthesis and secretion by rat hepatocyte suspensions. DiRenzo AB, et al. **Drug Chem Toxicol** 1986;9(3–4):223–37

Biogenesis of the glycosome in Trypanosoma brucei: the synthesis, translocation and turnover of glycosomal polypeptides. Hart DT, et al. **EMBO J** 1987 May; 6(5):1403–11

Acute cAMP stimulation in Leydig cells: rapid accumulation of a protein similar to that detected in adrenal cortex and corpus luteum. Pon LA, et al. **Endocr Res** 1986; 12(4):429–46

Ontogenesis of growth hormone (GH)-responsive hepatic gene products: lack of correlation with hepatic GH receptor content. Berry SA, et al. **Endocrinology** 1986 Nov; 119(5):2290–6

Maintenance of progesterone-facilitated sexual behavior in female rats requires continued hypothalamic protein synthesis and nuclear progestin receptor occupation. Brown TJ, et al. **Endocrinology** 1987 Jul;121(1):298–304

Anomalous behavior of protein synthesis inhibitors on the turnover of the estrogen receptor as measured by density labeling. Campen CA, et al. **Endocrinology** 1986 Oct; 119(4):1454–61

Estrogen regulation of protein synthesis in the immature rat uterus: the effects of progesterone on proteins released into the medium during in vitro incubations. Wheeler C, et al. **Endocrinology** 1987 Mar;120(3):919–23

Regulation of lung fibroblast proliferation and protein synthesis by bronchiolar lavage in experimental silicosis. Benson SC, et al. **Environ Res** 1986 Oct;41(1):61–78

Effect of a vegetable oil factory effluent on in vitro lipid and protein synthesis by the liver of the freshwater teleost Heteropneustes fossilis (Bloch). Kondal JK, et al. **Environ Res** 1987 Jun;43(1):13–8

A (re)initiation-dependent cell-free protein-synthesis system from mouse erythroleukemia cells. Bader M, et al. **Eur J Biochem** 1986 Nov 17;161(1):103–9

Protein synthesis in Drosophila melanogaster embryos. Two mechanisms for guanine nucleotide exchange on eukaryotic initiation factor 2. Mateu MG, et al. **Eur J Biochem** 1987 Jun 15;165(3):507–13

Protein synthesis in Drosophila melanogaster embryos. Purification and characterization of polypeptide chain-initiation factor 2. Mateu MG, et al. **Eur J Biochem** 1987 Jan 2;162(1):221–9

The mechanism of the protein-synthesis elongation cycle in eukaryotes. Effect of ricin on the ribosomal interaction with elongation factors. Nilsson L, et al. **Eur J Biochem** 1986 Nov 17;161(1):111–7

Are highly phosphorylated 40-S subunits preferentially utilized during protein synthesis in a cell-free system from HeLa cells? Tas PW, et al. **Eur J Biochem** 1987 Mar 16; 163(3):561–7

Aminoacylaminonucleoside inhibitors of protein synthesis. A new approach for evaluating their potency. Theocharis DA, et al. **Eur J Biochem** 1986 Sep 15;159(3):479–83

The inflammation mediators interleukin 1 and hepatocyte-stimulating factor are differently regulated in human monocytes. Northoff H, et al. **Eur J Immunol** 1987 May;17(5):707–11

Protein synthesis in heterotopically transplanted rat hearts. Currie RW, et al. **Exp Cell Biol** 1987;55(1):46–56

Protein biosynthesis changes in Trypanosoma cruzi induced by supra-optimal temperature. Carvalho JF, et al. **Exp Cell Res** 1987 Feb;168(2):338–46

Levels of synthesis of primate-specific nuclear proteins differ between growth-arrested and proliferating cells. Celis JE, et al. **Exp Cell Res** 1987 Feb;168(2):389–401

Modulation of protein synthesis and secretion by substratum in primary cultures of rat hepatocytes. Sudhakaran PR, et al. **Exp Cell Res** 1986 Dec;167(2):505–16

Disappearance of statin, a protein marker for non-proliferating and senescent cells, following serum-stimulated cell cycle entry. Wang E, et al. **Exp Cell Res** 1986 Nov;167(1):135–43

Chondrocyte activation in response to factor(s) produced by a continuous line of lapine synovial fibroblasts. Watanabe S, et al. **Exp Cell Res** 1986 Nov;167(1):218–26

Effect of hCG on protein synthesis and progesterone production in the bovine luteal cells. Kumar A, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):1–6

Altered sensitivity of protein synthesis to paromomycin in extracts from aging human diploid fibroblasts. Luce MC, et al. **Exp Gerontol** 1987;22(3):165–77

Human T-lymphocyte-derived megakaryocyte colony-stimulating activity. Bagnara GP, et al. **Exp Hematol** 1987 Jul;15(6):679–84

Biosynthesis and release of proteins by isolated pulmonary Clara cells. Patton SE, et al. **Exp Lung Res** 1986; 11(4):277–94

The anti-oestrogen drug tamoxifen is an elongation inhibitor of eukaryotic protein biosynthesis. Guille MJ, et al. **FEBS Lett** 1986 Oct 20;207(1):121–6

Diel changes of protein synthesis and secretion rates in rat submandibular gland slices. Lityńska A, et al. **Folia Biol (Krakow)** 1986;34(2):199–206

The biosynthesis of neutrophil and eosinophil granule proteins. Olsson I, et al. **Folia Histochem Cytobiol** 1986; 24(2):89–97 (34 ref.)

Protein synthesis inhibition and cardiac lesions associated with deoxynivalenol ingestion in mice. Robbana-Barnat S, et al. **Food Addit Contam** 1987 Jan-Mar;4(1):49–56

Heparin modulates human intestinal smooth muscle cell proliferation, protein synthesis, and lattice contraction. Graham MF, et al. **Gastroenterology** 1987 Oct;93(4):801–9

Regulation of Y-organ ecdysteroidogenesis by molt-inhibiting hormone in crabs: involvement of cyclic AMP-mediated protein synthesis. Mattson MP, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):414–23

Protein synthesis and steroidogenesis in amphibian (Rana pipiens) ovarian follicles: studies on the conversion of pregnenolone to progesterone. Petrino TR, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):441–50

20 (OH) ecdysone-induced transition from intermolt to premolt protein biosynthesis patterns in the hypodermis of the crayfish, Astacus leptodactylus, in vitro. Traub M, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):469–77
Inhibition of rat brain and liver protein synthesis by amphetamine. Roel LE, et al. **Gen Pharmacol** 1987; 18(1):17–20
Influence of branched-chain amino acids and branched-chain keto acids on protein synthesis in isolated hepatocytes. Base W, et al. **Hepatology** 1987 Mar–Apr;7(2):324–9
Quantitative aspects of protein synthesis in non-cultured and cultured rabbit blastocysts. Jung T, et al. **Hum Reprod** 1987 Jan;2(1):23–7
A simplified microassay for inhibition of protein synthesis in reticulocyte lysates by immunotoxins. Press OW, et al. **Immunol Lett** 1986 Nov 17;14(1):37–41
Identification and androgen-dependence of proteins in the mouse vas deferens. Taragnat C, et al. **Int J Androl** 1986 Aug;9(4):299–311
An early effect of estradiol at hepatic level, previous to its protein synthesis activation. Sanchez-Bueno A, et al. **Int J Biochem** 1987;19(1):93–6
Failure of a branched chain amino acid-enriched diet to reverse ethanol inhibition of cardiac protein synthesis in the rat. Verschuer L, et al. **Int J Biochem** 1987;19(2):165–71
Late division kinetics in relation to modification of protein synthesis in mouse eggs blocked in the G2 phase after X-irradiation. Grinfeld S, et al. **Int J Radiat Biol** 1987 Jul; 52(1):77–90
Induction characteristics of oxygen regulated proteins. Heacock CS, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1287–90
Fast and sensitive screening method for detection of trichothecenes in maize by using protein synthesis inhibition in cultured fibroblasts. Scossa-Romano DA, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):129–32
Effects of light deprivation on RNA synthesis, accumulation of guanosine 3'(2')-diphosphate 5'-diphosphate, and protein synthesis in heat-shocked Synechococcus sp. strain PCC 6301, a cyanobacterium. Surányi G, et al. **J Bacteriol** 1987 Feb;169(2):632–9
Involvement of the 24-kDa cap-binding protein in regulation of protein synthesis in mitosis. Bonneau AM, et al. **J Biol Chem** 1987 Aug 15;262(23):11134–9
Depletion of intracellular calcium stores by calcium ionophore A23187 induces the genes for glucose-regulated proteins in hamster fibroblasts. Drummond IA, et al. **J Biol Chem** 1987 Sep 15;262(26):12801–5
"Numatrin," a nuclear matrix protein associated with induction of proliferation in B lymphocytes. Feuerstein N, et al. **J Biol Chem** 1987 Aug 15;262(23):11389–97
Synthesis and processing of sphingolipid activator protein-2 (SAP-2) in cultured human fibroblasts. Fujibayashi S, et al. **J Biol Chem** 1986 Nov 15;261(32):15339–43
Bradykinin stimulation of inositol polyphosphate production in porcine aortic endothelial cells. Lambert TL, et al. **J Biol Chem** 1986 Nov 15;261(32):15288–93
Regulation of glycogen metabolism in primary cultures of rat hepatocytes. Restoration of acute effects of glucose in cells from diabetic rats involves protein synthesis. Miller TB Jr, et al. **J Biol Chem** 1987 Mar 25;262(9):4000–6
Androgen repression of the production of a 29-kilodalton protein and its mRNA in the rat ventral prostate. Saltzman AG, et al. **J Biol Chem** 1987 Jan 5;262(1):432–7
Protein synthesis inhibition in mouse peritoneal macrophages results in increased acyl coenzyme A:cholesterol acyl transferase activity and cholesteryl ester accumulation in the presence of native low density lipoprotein. Tabas I, et al. **J Biol Chem** 1987 Sep 5;262(25):12175–81
Endogenous production of cytotoxic factor in mice induced by a combination of interferon-gamma and heterologous fibrinogen. Kajikawa T, et al. **J Biol Response Mod** 1987 Apr;6(2):205–14
Epithelial–mesenchymal interactions in the developing kidney lead to expression of tenascin in the mesenchyme. Aufderheide E, et al. **J Cell Biol** 1987 Jul;105(1):599–608
Effect of essential amino acids on the phosphorylation of a 40S ribosomal protein and protein synthesis in Acanthamoeba castellanii. Jantzen H, et al. **J Cell Physiol** 1987 Mar;130(3):444–52
Enhanced synthesis of the glucose/calcium-regulated proteins in a hamster cell mutant deficient in transfer of oligosaccharide core to polypeptides. Lee AS, et al. **J Cell Physiol** 1986 Dec;129(3):277–82
Biosynthesis of nuclear proteins after stimulation of quiescent Swiss mouse 3T3 cells. O'Farrell MK, et al. **J Cell Sci** 1986 Jun;82:173–86
Defective monokine production and decreased responsiveness of polymorphonuclear leukocytes to recombinant interleukin-1 in asthmatic patients. Hsieh KH, et al. **J Clin Immunol** 1987 May;7(3):203–9
Production of platelet-derived growth factorlike protein by rat mesangial cells in culture. Abboud HE, et al. **J Clin Invest** 1987 Sep;80(3):675–83
Induction of HL-60 differentiation by starvation for a single essential amino acid but not by protein synthesis inhibitors. Pilz RB, et al. **J Clin Invest** 1987 Mar;79(3):1006–9
Aberration of monokine production and monocyte subset in patients with systemic lupus erythematosus. Takei M, et al. **J Clin Lab Immunol** 1987 Apr;22(4):169–73
Effect of pH and energy spilling on bacterial protein synthesis by carbohydrate-limited cultures of mixed rumen bacteria. Strobel HJ, et al. **J Dairy Sci** 1986 Nov;69(11):2941–7
A simplified disc technique for quantitating mouse DNA, RNA and protein synthesis: circadian rhythms. Yoshino K, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):108–12
The timing of compaction: control of a major developmental transition in mouse early embryogenesis. Levy JB, et al. **J Embryol Exp Morphol** 1986 Jun;95:213–37
Protein requirements for germinal vesicle breakdown in ovine oocytes. Moor RM, et al. **J Embryol Exp Morphol** 1986 Jun;94:207–20
Analysis of the cytosolic proteins of chick embryo gonads by two-dimensional gel electrophoresis. Samsel J, et al. **J Embryol Exp Morphol** 1986 Jun;94:221–30
Protein synthesis and messenger RNA levels along the animal–vegetal axis during early Xenopus development. Smith RC. **J Embryol Exp Morphol** 1986 Jun;95:15–35
Chemical pathology of diamino acid deficiency: considerations in relation to lysinuric protein intolerance. Sidransky H, et al. **J Exp Pathol** 1985 Spring;2(1):47–57
Protein synthesis during imaginal disc pattern regulation. Greenberg RM, et al. **J Exp Zool** 1987 Apr;242(1):17–25
Protein synthesis involvement in regulating pituitary-induced progesterone levels in ovarian follicles of Rana pipiens [published erratum appears in J Exp Zool 1987 Mar;241(3):393] Petrino TR, et al. **J Exp Zool** 1986 Sep; 239(3):411–21
An analysis of the influence of thyroid hormone on the synthesis of proteins in the tail fin of bullfrog tadpoles. Ray LB, et al. **J Exp Zool** 1986 Nov;240(2):191–201
Nonidentical induction of the guanylate binding protein and the 56K protein by type I and type II interferons. Cheng YS, et al. **J Interferon Res** 1986 Aug;6(4):417–27
Exposure to 12-O-tetradecanoylphorbol-13-acetate (TPA) induces the synthesis of histidine-rich protein (filaggrin) in monolayer cultures of rat keratinocytes. Kim HJ, et al. **J Invest Dermatol** 1987 May;88(5):624–9
Differential protein synthesis by murine peritoneal macrophages elicited by various stimuli. Tannenbaum CS, et al. **J Leukocyte Biol** 1987 Jun;41(6):527–38
Structure-activity relationships of sparsomycin and its analogues. Inhibition of peptide bond formation in cell-free systems and of L1210 and bacterial cell growth. van den Broek LA, et al. **J Med Chem** 1987 Feb;30(2):325–33
Carbocyclic puromycin: synthesis and inhibition of protein biosynthesis. Vince R, et al. **J Med Chem** 1986 Nov; 29(11):2400–3
The effects of Clostridium difficile toxins A and B on membrane integrity and protein synthesis in intestinal cells in vivo and in vitro and in McCoy cells in vitro. Mitchell TJ, et al. **J Med Microbiol** 1987 May;23(3):205–10
Protein synthesis in mammary acini isolated from lactating rats: effect of maternal diet. Geursen A, et al. **J Nutr** 1987 Apr;117(4):769–75
Effect of dietary zinc deficiency on protein synthesis in cell-free systems isolated from rat liver. Hicks SE, et al. **J Nutr** 1987 Jul;117(7):1234–40
Iron deficiency impairs protein synthesis in immune tissues of rat pups. Rosch LM, et al. **J Nutr** 1987 Aug; 117(8):1475–81
Metabolism of nonessential 15N-labeled amino acids and the measurement of human whole-body protein synthesis rates. Stein TP, et al. **J Nutr** 1986 Sep;116(9):1651–9
Effects of glucose and amino acid depletions on protein synthetic parameters in liver and skeletal muscle of rats during parenteral nutrition. Kikuchi T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):601–12
Protein production by human gingival fibroblasts is enhanced by guanidine EDTA extracts of cementum. Somerman MJ, et al. **J Periodont Res** 1987 Jan;22(1):75–7
The components of Melissa officinalis L. that influence protein biosynthesis in-vitro. Chlabicz J, et al. **J Pharm Pharmacol** 1986 Nov;38(11):791–4
Differential protein synthesis during the life cycle of the protozoan parasite Trypanosoma brucei. Shapiro SZ, et al. **J Protozool** 1987 Feb;34(1):58–62
The in vitro effect of select classes of nonsteroidal antiinflammatory drugs on normal cartilage metabolism. Herman JH, et al. **J Rheumatol** 1986 Dec;13(6):1014–8
Effect of antiandrogen and/or antiestrogen blockade on human prostate epithelial and stromal cell protein synthesis. Geller J, et al. **J Steroid Biochem** 1986 Nov;25(5B):759–63
Comparison of hepatic protein synthesis in vivo versus in vitro in the tumor-bearing rat. Warren RS, et al. **J Surg Res** 1987 Jan;42(1):43–50
In vitro modulation of cisplatin cytotoxicity by sparsomycin inhibition of protein synthesis. Zylicz Z, et al. **JNCI** 1987 Apr;78(4):701–5
Postoperative parenteral nutrition with high supply of branched-chain amino acids: effects on nitrogen balance and liver protein synthesis. Kirvelä O, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):574–7
Energy metabolism and substrate oxidation as possible factors for net protein accretion in growing rats. Lindmark L, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct; 10(5):463–9
Utilization of alpha-ketoisocaproate for protein synthesis in uremic rats. Tungsanga K, et al. **Kidney Int** 1986 Dec; 30(6):891–4
Effects of donor age on protein and collagen synthesis in vitro by human diploid fibroblasts. Johnson BD, et al. **Lab Invest** 1986 Oct;55(4):490–6
The effect of inhibition of mitochondrial protein synthesis on the proliferation and phenotypic properties of a rat leukemia in different stages of in-vivo tumor development. Van den Bogert C, et al. **Leuk Res** 1987;11(6):529–36
The effects of ageing and chronic dietary restriction on in vivo hepatic protein synthesis in the rat. Merry BJ, et al. **Mech Ageing Dev** 1987 Jul;39(2):189–99
Biosynthesis of cartilage proteoglycan and link protein. Kimura JH, et al. **Methods Enzymol** 1987;144:372–93
Bone cell cultures. Sodek J, et al. **Methods Enzymol** 1987; 145:303–24
Measurement of effect of (2'-5')-oligoadenylates and analogs on protein synthesis and growth of cells. Suhadolnik RJ, et al. **Methods Enzymol** 1986;119:667–75
In vitro and in vivo protein synthesis inhibition by methylated derivatives of 4-oxypiperidine-1-oxyl. Kuznetsov DA, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):215–8
Relationship between 'early' and 'late' protein induced by 20-hydroxyecdysone in imaginal wing discs of Drosophila melanogaster. Sin FY. **Mol Biol Rep** 1987;12(1):7–11
An effect of corticosteroids on thymocytes not mediated by macromolecule synthesis. Lockhart F, et al. **Mol Cell Biochem** 1987 Jun;75(2):133–6
The effects of aging on phosphofructokinase induction during lymphocyte mitogenesis in relation to DNA and protein synthesis. Tollefsbol TO, et al. **Mol Cell Biochem** 1987 Jun; 75(2):113–22
Initiation factor protein modifications and inhibition of protein synthesis. Duncan RF, et al. **Mol Cell Biol** 1987 Mar;7(3):1293–5
Estrogen induction of a 45 kDa secreted protein coordinately with vitellogenin in Xenopus liver. Holland LJ, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):63–73
Effect of pseudopterosin A on cell division, cell cycle progression, DNA, and protein synthesis in cultured sea urchin embryos. Ettouati WS, et al. **Mol Pharmacol** 1987 May;31(5):500–5
Incorporation of amino acids into proteins of the hypothalamus of prepuberal female rats after estradiol treatment. Rodriguez-Sierra JF, et al. **Neuroendocrinology** 1987 Jun;45(6):459–64
The proofreading of hydroxy analogues of leucine and isoleucine by leucyl-tRNA synthetases from E. coli and yeast. Englisch S, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7529–39
Carboquone alters the protein synthesis of Chinese hamster V79 cell. Maehara Y, et al. **Oncology** 1987;44(4):253–6
Translational control of protein synthesis in isolated pancreatic acini: role of CCK8, carbachol, and insulin. Lahaie RG. **Pancreas** 1986;1(5):403–10
Specific end-product feedback regulation of pancreatic protein synthesis. Liebow C. **Pancreas** 1987;2(2):136–40
DNA and protein synthesis in developing rat pancreas. Werlin SL, et al. **Pediatr Res** 1987 Jul;22(1):34–8
Changes in axonally transported proteins in the mature and developing rat nervous system during early stages of methyl mercury exposure. Aschner M. **Pharmacol Toxicol** 1987 Feb;60(2):81–5
Anisomycin does not disrupt the activation of penile reflexes by testosterone in rats. Meisel RL, et al. **Physiol Behav** 1986;37(6):951–6
Effect of ischaemia on protein synthesis in vitro. Burda J, et al. **Physiol Bohemoslov** 1987;36(2):161–6
Thialysine utilization for protein synthesis by CHO cells. Di Girolamo M, et al. **Physiol Chem Phys Med NMR** 1986; 18(3):159–64
A rat liver cell-free system for the synthesis of proteins and their transport into mitochondria. Felipo V. **Physiol Chem Phys Med NMR** 1986;18(1):25–32
Apparatus for direct counting of beta-rays from two-dimensional protein gels: measurement of changes in protein synthesis due to changes in density of Chinese hamster ovary cells. Anderson HL, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4749–53
Involvement of a specific protein in the regulation of a circadian rhythm in Aplysia eye. Yeung SJ, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):279–83
Effects of porcine relaxins upon uterine hypertrophy and protein metabolism in mice. Bylander JE, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):76–80
Gastrin induction of protein synthesis in isolated gastric mucosal cells. Majumdar AN, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):396–402
Effects of superovulation, arachidonic acid or endometrium on release of prostaglandins and synthesis of proteins by bovine trophoblast. Lewis GS. **Prostaglandins** 1986 Aug; 32(2):275–90
Some characteristics and functional aspects of the human monokine, MCF, stimulating collagenase and PGE2 production by rheumatoid synovial cells. Dayer JM. **Scand J Rheumatol [Suppl]** 1981;40:88–92
Frequency dependence of electric field modulation of fibroblast protein synthesis. McLeod KJ, et al. **Science** 1987 Jun 12;236(4807):1465–9
Effect of fibrinogen degradation products on production of hepatocyte stimulating factor by a macrophage cell line (P388D1). Nham SU, et al. **Thromb Res** 1986 Nov 15; 44(4):467–75
Protein secretion by choroid plexus: isolated apical fragments synthesize protein in vitro. Gudeman DM, et al. **Tissue Cell** 1987;19(1):101–9
Inhibition of protein synthesis by trimethyltin. Costa LG, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):189–96

Methyl mercury–induced nonselective blocking of phosphorylation processes as a possible cause of protein synthesis inhibition in vitro and in vivo. Kuznetsov DA, et al. **Toxicol Lett** 1987 Apr;36(2):153–60

L-asparaginase effects on inhibition of protein synthesis and lowering of the glutamine content in cultured rat hepatocytes. Villa P, et al. **Toxicol Lett** 1986 Sep; 32(3):235–41

Rapid changes in glucose metabolism following the administration of ethionine: its role in regulating hepatic protein synthesis. Lyon AW, et al. **Toxicol Pathol** 1986; 14(4):424–9

Inhibition of protein synthesis by an extract of the venom sac of the oriental hornet (Vespa orientalis). Friedman J, et al. **Toxicon** 1987;25(6):673–6

Structure–function relationships of 12,13-epoxytrichothecene mycotoxins in cell culture: comparison to whole animal lethality. Thompson WL, et al. **Toxicon** 1986;24(10):985–94

Anti-atherogenic activity of the calcium channel blocker isradipine (PN-200–110): a novel effect on matrix synthesis independent of calcium channel blockade. Heider JG, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):96–101 (29 ref.)

A short-term chemosensitivity test with different labeled precursors of DNA or protein synthesis: correlation with clinical response. Viano I, et al. **Tumori** 1986 Aug 31; 72(4):357–63

The synthesis of a particle-forming cellular protein is enhanced by Mengo virus infection. Boege U, et al. **Virology** 1987 Aug;159(2):358–67

The isolation of interferon-inducing mutants of vesicular stomatitis virus with altered viral P function for the inhibition of total protein synthesis. Francoeur AM, et al. **Virology** 1987 Sep;160(1):236–45

Temperature-sensitive herpes simplex virus type 1 mutants defective in the shutoff of cellular DNA synthesis and host polypeptide synthesis. Daksis JI, et al. **Virus Res** 1987 Jan; 6(4):297–315

[Effects of Tremella polysaccharides on synthesis of protein and on glycogen content in normal and injured livers of mice] Yue W, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):364–7 (Eng. Abstr.) **(Chi)**

[Protein synthesis and aging] Horbach GJ.
Tijdschr Gerontol Geriatr 1987 Feb;18(1):7–13 (Eng. Abstr.) **(Dut)**

[Effect of LHRH on the synthesis and phosphorylation of proteins in gonadotropic cells] Chanat E, et al.
Ann Endocrinol (Paris) 1986;47(1):45–7 (Eng. Abstr.) **(Fre)**

[Conditions of feasibility and stability in the measurement of protein synthesis using 15N glycine in intensive care patients] François G, et al. **Ann Fr Anesth Reanim** 1987; 6(3):178–81 (Eng. Abstr.) **(Fre)**

[The intravenous 15N metabolism test in assessing the effect of parenteral feeding on protein synthesis] Matkowitz R, et al. **Infusionsther Klin Ernahr** 1986 Dec;13(6):277–81 (Eng. Abstr.) **(Ger)**

[Synergism of effect between phytohemagglutinin, interleukin 2 and methotrexate on the protidosynthetic activity of human lymphocytes (letter)] Ciaiolo C.
Minerva Med 1987 Jul 15;78(13):941–2 **(Ita)**

[Effects of dihydrotestosterone on cultured human skin fibroblasts--especially on enhancement of growth, DNA synthesis and protein synthesis by epidermal growth factor] Ogawa T. **Nippon Hifuka Gakkai Zasshi** 1986 Jun; 96(7):719–24 **(Jpn)**

[A rapid mixed lymphocyte reaction based on lymphocyte protein synthesis] Kanda H.
Nippon Hinyokika Gakkai Zasshi 1987 Jan;78(1):1–11 (Eng. Abstr.) **(Jpn)**

[Incorporation of labeled formate in rat liver mitochondrial proteins and initiation of protein synthesis] Rabinovich IaM, et al. **Biokhimiia** 1986 Aug;51(8):1322–8 (Eng. Abstr.) **(Rus)**

[Effect of a medium with a low serum content on protein synthesis and secretion and RNA and DNA synthesis in a skin fibroblast culture from patients with rheumatoid arthritis and systemic scleroderma] Abakumova OIu, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):706–9 (Eng. Abstr.) **(Rus)**

[Reaction of the protein-synthesizing apparatus of the major stomach cells in rats to thyroxine administration] Fedchenko SN. **Biull Eksp Biol Med** 1986 Oct; 102(10):469–71 (Eng. Abstr.) **(Rus)**

[Characteristics of RNA and protein synthesis in the polymorphonuclear neutrophilic granulocytes of wounds] Uchaneishvili EK. **Biull Eksp Biol Med** 1987 Feb; 103(2):202–5 (Eng. Abstr.) **(Rus)**

[Stimulation of protein synthesis in the rat cerebral cortex after hypoxia by transplantation of embryonal nerve tissue] Polezhaev LV, et al. **Dokl Akad Nauk SSSR** 1987; 294(6):1473–6 **(Rus)**

[Effect of the neuropeptide ACTH 4–7 Pro-Gly-Pro on the conditioned reflex activity and metabolism of nucleic acids and proteins in the brain of young Atlantic salmon] Vitvitskaia LV, et al. **Dokl Akad Nauk SSSR** 1987; 292(4):1002–6 **(Rus)**

[Role of folic acid in the compensation of disorders of protein synthesis caused by a plastics photostabilizer nitroxyl-2] Kuznetsov DA, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):51–3 **(Rus)**

[Comparative characteristics of protein-synthesizing apparatus of diploid and aneuploid human embryo fibroblasts] Podobed OV, et al.
Mol Gen Mikrobiol Virusol 1985 Nov;(11):38–42 (Eng. Abstr.) **(Rus)**

[Proteins induced by the double-stranded interferon inducer poly(I).poly(C)] Sokolova TM, et al.
Mol Gen Mikrobiol Virusol 1987 Jan;(1):32–6 (Eng. Abstr.) **(Rus)**

[Effect of testosterone on the rate of total protein synthesis in the reproductive tract of guinea pig embryos in vitro] Ivanova EA. **Ontogenez** 1987 May-Jun;18(3):320–3 (Eng. Abstr.) **(Rus)**

[Role of protein biosynthetic processes in realizing the action of sex steroids on the level of specific estrogen-binding protein in the rat liver] Smirnova OV, et al.
Probl Endokrinol (Mosk) 1986 Jul-Aug;32(4):66–9 (Eng. Abstr.) **(Rus)**

[Protein synthesis and secretion and RNA and DNA synthesis in human skin fibroblasts in a medium with a low serum content] Abakumova OIu, et al. **Tsitologiia** 1986 Sep; 28(9):1016–23 (Eng. Abstr.) **(Rus)**

[Activation of protein synthesis in tissues of gophers after arousal from hibernation] Zhegunov GF, et al.
Ukr Biokhim Zh 1987 May-Jun;59(3):69–73 (Eng. Abstr.) **(Rus)**

[Studies of ototoxicity and its correction in mouse embryo model inner ear organ cultures] Pal'chun VT, et al.
Vestn Otorinolaringol 1987 Jul-Aug;(4):9–11 (Eng. Abstr.) **(Rus)**

[Effect of food carbohydrate quality on monosaccharide utilization for the biosynthesis of glycogen, fat and proteins in the rat liver] Gapparov MM, et al. **Vopr Pitan** 1987 May-Jun;(3):41–5 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Preparation of protein conjugates via intermolecular hydrazone linkage. King TP, et al. **Biochemistry** 1986 Sep 23;25(19):5774–9

CLASSIFICATION

Nomenclature and classification of the proteins homologous with the cysteine-proteinase inhibitor chicken cystatin [letter] Barrett AJ, et al. **Biochem J** 1986 May 15;236(1):312

Chemical taxonomy of the hinge-ligament proteins of bivalves according to their amino acid compositions. Kikuchi Y, et al. **Biochem J** 1987 Mar 1;242(2):505–10

Four classes of beta-hairpins in proteins. Milner-White EJ, et al. **Biochem J** 1986 Nov 15;240(1):289–92

Prediction of protein structural class from the amino acid sequence. Klein P, et al. **Biopolymers** 1986 Sep; 25(9):1659–72

DIAGNOSTIC USE

Permeability of renal capillaries. I. Preparation of neutral and charged protein probes. Ojteg G, et al.
Acta Physiol Scand 1987 Mar;129(3):277–86

Reductive amination for solid-phase coupling of protein. A practical alternative to cyanogen bromide. Hornsey VS, et al. **J Immunol Methods** 1986 Oct 23;93(1):83–8

GENETICS

Effects of ethanol on protein synthesis. Rothschild MA, et al. **Ann NY Acad Sci** 1987;492:233–44

Coordinate regulation of rat liver genes by thyroid hormone and dietary carbohydrate. Tao TY, et al.
Ann NY Acad Sci 1986;478:20–30

Computer-aided design in protein engineering. Wodak SJ. **Ann NY Acad Sci** 1987;501:1–13

Alternative splicing: a ubiquitous mechanism for the generation of multiple protein isoforms from single genes. Breitbart RE, et al. **Annu Rev Biochem** 1987;56:467–95 (132 ref.)

A part of codon bias in genes protects protein spatial structures from destabilization by random single point mutations. Kypr J. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1094–7

Cloning and sequencing of Plasmodium falciparum DNA fragments containing repetitive regions potentially coding for histidine-rich proteins: identification of two overlapping reading frames. Lenstra R, et al.
Biochem Biophys Res Commun 1987 Jul 15;146(1):368–77

A use for principal coordinate analysis in the comparison of protein sequences. Woolley KJ, et al.
Biochem Biophys Res Commun 1986 Nov 14;140(3):808–13

Characterization and genetic control of the prolamins of Haynaldia villosa: relationship to cultivated species of the Triticeae (rye, wheat, and barley). Shewry PR, et al.
Biochem Genet 1987 Apr;25(3–4):309–25

Molecular variants of proteins: biosynthesis and clinical relevance. Introduction. Campbell PN.
Biochem Soc Symp 1984;49:1–8

Rates of molecular evolution: the hominoid slowdown. Goodman M. **Bioessays** 1985 Jul;3(1):9–14

Methionine or not methionine at the beginning of a protein. Sherman F, et al. **Bioessays** 1985 Jul;3(1):27–31

Molecular cloning and expression of a synthetic DNA coding for the antimicrobial protein of bull seminal plasma. Preuss KD, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):501–6

Proteins, exons and molecular evolution. Holland SK, et al.
Biosystems 1987;20(2):181–206

Optimized homology searches of the gene and protein sequence data banks. Lawrence CB, et al.
Bull Math Biol 1986;48(5–6):569–83

A novel method of protein analysis for prediction of biological function: application to tumor toxins. Veljković V, et al. **Cancer Biochem Biophys** 1987 May;9(2):139–48

Expression of the caudal gene in the germ line of Drosophila: formation of an RNA and protein gradient during early embryogenesis. Mlodzik M, et al. **Cell** 1987 Feb 13; 48(3):465–78

A histidine-rich protein gene marks a linkage group favored strongly in a genetic cross of Plasmodium falciparum. Wellems TE, et al. **Cell** 1987 Jun 5;49(5):633–42

Relationships of human protein sequences to those of other organisms. Doolittle RF, et al.
Cold Spring Harbor Symp Quant Biol 1986;51 Pt 1:447–55

Assignment of the TCP1 locus to the long arm of human chromosome 6 by in situ hybridization. Fonatsch C, et al.
Cytogenet Cell Genet 1987;45(2):109–12

Neither a germ line-specific nor several somatically expressed genes are lost or rearranged during embryonic chromatin diminution in the nematode Ascaris lumbricoides var. suum. Bennett KL, et al. **Dev Biol** 1986 Nov; 118(1):141–7

Undermethylation of structural gene sequences in extraembryonic lineages of the mouse. Rossant J, et al.
Dev Biol 1986 Oct;117(2):567–73

Recombinant DNA manipulations and their interfaces with protein technology. Nagley P. **Dev Biol Stand** 1987; 67:171–6

Molecular cloning and sequence of the cDNA for a 94-amino-acid seminal plasma protein secreted by the human prostate. Mbikay M, et al. **DNA** 1987 Feb;6(1):23–9

Characterization and localization of the even-skipped protein of Drosophila. Frasch M, et al. **EMBO J** 1987 Mar; 6(3):749–59

Structure of DNA formed in the first step of CAD gene amplification. Giulotto E, et al. **EMBO J** 1986 Sep; 5(9):2115–21

Altered translation initiation factor 2 in the cold-sensitive ssyG mutant affects protein export in Escherichia coli. Shiba K, et al. **EMBO J** 1986 Nov;5(11):3001–6

Diurnal variation in hepatic expression of the rat S14 gene is synchronized by the photoperiod. Kinlaw WB, et al.
Endocrinology 1987 Apr;120(4):1563–7

Dominant visible and electrophoretically expressed mutations induced in male mice exposed to ethylene oxide by inhalation. Lewis SE, et al. **Environ Mutagen** 1986; 8(6):867–72

Molecular cloning and sequence analysis of cDNA coding for the precursor of the human cysteine proteinase inhibitor cystatin C. Abrahamson M, et al. **FEBS Lett** 1987 Jun 1; 216(2):229–33

Histidine-rich glycoprotein is evolutionarily related to the cystatin superfamily. Presence of two cystatin domains in the N-terminal region. Koide T, et al. **FEBS Lett** 1987 May 25;216(1):17–21

A novel member of the serpin superfamily is encoded on a circular plasmid-like DNA species isolated from rabbit cells. Upton C, et al. **FEBS Lett** 1986 Oct 20;207(1):115–20

Cloning and expression of the glutaredoxin (grx) gene of Escherichia coli. Höög JO, et al. **Gene** 1986;43(1–2):13–21

Identification of Paramecium mitochondrial proteins using antibodies raised against fused mitochondrial gene products. Mahalingam R, et al. **Gene** 1986;49(1):129–38

Structure of the two genes coding for polypeptide chain elongation factor 1 alpha (EF-1 alpha) from Saccharomyces cerevisiae. Nagashima K, et al. **Gene** 1986; 45(3):265–73

Relationship between mitogen-regulated protein (MRP) and proliferin (PLF), a member of the prolactin/growth hormone family. Nilsen-Hamilton M, et al. **Gene** 1987; 51(2–3):163–70

Variation and genomic localization of genes encoding Drosophila melanogaster male accessory gland proteins separated by sodium dodecyl sulfate-polyacrylamide gel electrophoresis. Whalen M, et al. **Genetics** 1986 Sep; 114(1):77–92

The visualisation of cardiovascular innervation in the guinea pig using an antiserum to protein gene product 9.5 (PGP 9.5). Gulbenkian S, et al. **J Auton Nerv Syst** 1987 Mar; 18(3):235–47

Molecular cloning and characterization of cDNA for androgen-repressible rat liver protein, SMP-2. Chatterjee B, et al. **J Biol Chem** 1987 Jan 15;262(2):822–5

Cloning and sequencing of complementary DNAs encoding the alpha-subunit of translational initiation factor eIF-2. Characterization of the protein and its messenger RNA. Ernst H, et al. **J Biol Chem** 1987 Jan 25;262(3):1206–12

Detection of heritable mutations as quantitative changes in protein expression. Giometti CS, et al. **J Biol Chem** 1987 Sep 15;262(26):12764–7

Chromatin structure and methylation state of a thyroid hormone-responsive gene in rat liver. Jump DB, et al.
J Biol Chem 1987 Jan 15;262(2):778–84

Regulation of carbamoyl phosphate synthetase-aspartate transcarbamoylase-dihydroorotase gene expression in growing and arrested cells. Liao WS, et al.
J Biol Chem 1986 Nov 25;261(33):15577–81

Characterization of a cDNA for human protein C inhibitor. A new member of the plasma serine protease inhibitor superfamily. Suzuki K, et al. **J Biol Chem** 1987 Jan 15; 262(2):611–6

Growth hormone induces two mRNA species of the serine protease inhibitor gene family in rat liver. Yoon JB, et al. **J Biol Chem** 1987 Mar 25;262(9):4284–9

16th annual UCLA symposium. Abstracts: Protein structure and design. **J Cell Biochem [Suppl]** 1987;11C:187–246

Human monocyte Arg–Serpin cDNA. Sequence, chromosomal assignment, and homology to plasminogen activator–inhibitor. Webb AC, et al. **J Exp Med** 1987 Jul 1;166(1):77–94

Expression of chimeric genes in Caenorhabditis elegans. Jefferson RA, et al. **J Mol Biol** 1987 Jan 5;193(1):41–6

Protein export in prokaryotes and eukaryotes: indications of a difference in the mechanism of exportation. Gascuel O, et al. **J Mol Evol** 1986;24(1–2):130–42

Accumulation pattern of amino acid substitutions in protein evolution. Kunisawa T, et al. **J Mol Evol** 1987;24(4):357–65

Qualitative and quantitative variability in different classes of proteins: comparison of mouse and rat. Zimny–Arndt U, et al. **J Mol Evol** 1987;24(3):260–71

Assignment of proteins to human chromosome 21 using two–dimensional gel electrophoresis and somatic cell genetics: an approach to the study of Down syndrome. Devine–Gage EA, et al. **J Neurogenet** 1987 Jun;4(4):215–26

New statistical approach to discriminate between protein coding and non–coding regions in DNA sequences and its evaluation. Michel CJ. **J Theor Biol** 1986 May 21; 120(2):223–36

Quantitative protein profiling: determining lexotypes. Zuckerkandl E. **J Theor Biol** 1986 Jul 21;121(2):185–98

Molecular cloning and sequence of the Bacillus stearothermophilus translational initiation factor IF2 gene [published erratum appears in MGG 1987 Apr;207(1):188] Brombach M, et al. **MGG** 1986 Oct;205(1):97–102

Chemical synthesis and in vivo hyperexpression of a modular gene coding for Escherichia coli translational initiation factor IF1. Calogero RA, et al. **MGG** 1987 Jun; 208(1–2):63–9

Possible eggshell protein gene from Schistosoma mansoni. Johnson KS, et al. **Mol Biochem Parasitol** 1987 Jan 2; 22(1):89–100

Polymorphism of proteins in malaria parasites following mefloquine treatment. Pinswasdi C, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):159–64

Characterization of an episome produced in hamster cells that amplify a transfected CAD gene at high frequency: functional evidence for a mammalian replication origin. Carroll SM, et al. **Mol Cell Biol** 1987 May;7(5):1740–50

Translational control by influenza virus: suppression of the kinase that phosphorylates the alpha subunit of initiation factor eIF–2 and selective translation of influenza viral mRNAs. Katze MG, et al. **Mol Cell Biol** 1986 May; 6(5):1741–50

Transcriptional regulation of the human CAD gene during myeloid differentiation. Rao GN, et al. **Mol Cell Biol** 1987 May;7(5):1961–6

Expression of six mouse major urinary protein genes in the mammary, parotid, sublingual, submaxillary, and lachrymal glands and in the liver. Shahan K, et al. **Mol Cell Biol** 1987 May;7(5):1947–54

Nucleotide sequences of liver, lachrymal, and submaxillary gland mouse major urinary protein mRNAs: mosaic structure and construction of panels of gene–specific synthetic oligonucleotide probes. Shahan K, et al. **Mol Cell Biol** 1987 May;7(5):1938–46

Expression of multiple proliferin genes in mouse cells. Wilder EL, et al. **Mol Cell Biol** 1986 Sep;6(9):3283–6

Positively darwinian molecules? [news] Brown AL. **Nature** 1987 Mar 5–11;326(6108):12–3

Accelerated evolution in the reactive centre regions of serine protease inhibitors. Hill RE, et al. **Nature** 1987 Mar 5–11; 326(6108):96–9

Primary structure of the histidine–rich protein of Plasmodium lophurae [letter] Irving DO, et al. **Nature** 1986 Dec 4–10; 324(6096):492

EMBL database offer. European Molecular Biology Laboratory [letter] Stulich R. **Nature** 1987 Jan 29–Feb 4; 325(6103):395

Molecular characterization of bsg25D: a blastoderm–specific locus of Drosophila melanogaster. Boyer PD, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2309–25

Sequence of the porcine transforming growth factor–beta precursor. Derynck R, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3187

Double replica southwestern. Hübscher U. **Nucleic Acids Res** 1987 Jul 10;15(13):5486

The mRNA for a proteinase inhibitor related to the HI–30 domain of inter–alpha–trypsin inhibitor also encodes alpha–1–microglobulin (protein HC). Kaumeyer JF, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7839–50

Cloning and mapping of infA, the gene for protein synthesis initiation factor IF1. Sands JF, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5157–68

Universal regularities in protein primary structure: preference in bonding and periodicity. Ivanov OC, et al. **Orig Life Evol Biosph** 1986;17(1):35–49

cDNA cloning and sequence of MAL, a hydrophobic protein associated with human T–cell differentiation. Alonso MA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1997–2001

Stimulation of S14 mRNA and lipogenesis in brown fat by hypothyroidism, cold exposure, and cafeteria feeding: evidence supporting a general role for S14 in lipogenesis and lipogenesis in the maintenance of thermogenesis. Freake HC, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):3070–4

A molecular phylogeny of the hominoid primates as indicated by two–dimensional protein electrophoresis. Goldman D, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3307–11

Profile analysis: detection of distantly related proteins. Gribskov M, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4355–8

Structure of the chicken link protein gene: exons correlate with the protein domains. Kiss I, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6399–403

Interferon–stimulated transcription: isolation of an inducible gene and identification of its regulatory region. Levy D, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8929–33

Interferon–inducible gene maps to a chromosomal band associated with a (4;11) translocation in acute leukemia cells. Luster AD, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2868–71

Interferon–induced transcription of a gene encoding a 15–kDa protein depends on an upstream enhancer element. Reich N, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6394–8

Sequence of the cDNA encoding the laminin B1 chain reveals a multidomain protein containing cysteine–rich repeats. Sasaki M, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):935–9

Sequence analysis of the complete cDNA and encoded polypeptide for the Glued gene of Drosophila melanogaster. Swaroop A, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6501–5

Regulation of protein synthesis by phosphorylation of ribosomal protein S6 and aminoacyl–tRNA synthetases. Traugh JA, et al. **Prog Nucleic Acid Res Mol Biol** 1986; 33:195–230 (183 ref.)

[Comparison of several protein sequences by recognition of conserved regions] Saurin W, et al. **C R Acad Sci [III]** 1986;303(13):541–6 (Eng. Abstr.) **(Fre)**

[Protein conformation and gene evolution] Go M. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):90–100 (47 ref.) **(Jpn)**

[Effect of spatial coupling of amino acid residues on the possibility of mutational substitution in globular proteins] Lukashev VA, et al. **Mol Biol (Mosk)** 1986 Sep–Oct; 20(5):1192–202 (Eng. Abstr.) **(Rus)**

[Effect of DNA replicative activity on the induction and repair of DNA–protein cross–links in a Chinese hamster cell culture] Lomoza TIu, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):15–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The effect of staining on the immunoreactivity of nitrocellulose bound proteins. Harper DR, et al. **Anal Biochem** 1986 Sep;157(2):270–4

Monocytes activate eosinophils for enhanced helminthotoxicity and increased generation of leukotriene C4. Elsas P, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):97–116

Immunological relationship among glycogen–protein complexes of different species. Sobiech KA, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):541–6

Production and characterization of four monoclonal antibodies against porcine pancreatic colipase. Bosc–Bierne I, et al. **Biochim Biophys Acta** 1987 Feb 25;911(3):326–33

Effect of antibody to the hemin–controlled translational repressor in rabbit reticulocyte lysate. Gross M, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):123–30

Immune recognition of proteins: conclusions, dilemmas and enigmas. Smith JA, et al. **Bioessays** 1987 Mar;6(3):112–6

Characterization of immunosuppressive substances in the basic protein fraction of uterine secretions from pregnant ewes. Hansen PJ, et al. **Biol Reprod** 1987 Mar;36(2):393–403

Molecular features of class II MHC–restricted T–cell recognition of protein and peptide antigens: the importance of amphipathic structures. Berzofsky JA, et al. **Curr Top Microbiol Immunol** 1986;130:13–24 (47 ref.)

Widespread antigenic cross–reactivity between plasma proteins of a gastropod, and its trematode parasite. Bayne CJ, et al. **Dev Comp Immunol** 1987 Spring;11(2):321–9

Comparative analysis of hemolytic and hemagglutinating activities in the coelomic fluid of Eisenia foetida and Lumbricus terrestris (Annelida, Lumbricidae). Kauschke E, et al. **Dev Comp Immunol** 1987 Spring;11(2):331–41

Clinical evaluation of autoantibodies to liver cell membrane specific antigen, liver specific lipoprotein, and Tamm–Horsfall glycoprotein in autoimmune chronic active hepatitis. Morichika S, et al. **Gastroenterol Jpn** 1987 Feb; 22(1):24–33

Antibody to liver membrane antigens in chronic active hepatitis. IV. Exclusion of specific reactivity to polypeptides and glycolipids by immunoblotting. Frazer IH, et al. **Hepatology** 1987 Jan–Feb;7(1):4–10

Structure and function of major histocompatibility complex class I genes and proteins. Part I. A symposium. **Immunol Res** 1987;6(1–2):1–144

The relationship between liver–specific lipoprotein and the hepatocyte plasma membrane. Bartholomaeus WN, et al. **Immunology** 1987 Mar;60(3):321–9

Antigenic mimicry of a human cellular polypeptide by Mycoplasma hyorhinis. Fernsten PD, et al. **Infect Immun** 1987 Jul;55(7):1680–5

Protein fraction from Trypanosoma cruzi infected spleen cell supernatants with immunosuppressive activity in vitro. Serrano LE, et al. **Int J Parasitol** 1987 Feb;17(3):851–61

Immunologic and biochemical properties of the major mouse urinary allergen (Mus m 1). Lorusso JR, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):928–37

Liver cell damage caused by monoclonal antibody against an organ–specific membrane antigen in vivo and in vitro. Poralla T, et al. **J Hepatol** 1987 Jun;4(3):373–80

Prediction of immunodominant helper T cell antigenic sites from the primary sequence. Margalit H, et al. **J Immunol** 1987 Apr 1;138(7):2213–29

Proteins and antigens of merozoites and sporozoites of Eimeria bovis (Apicomplexa). Reduker DW, et al. **J Parasitol** 1986 Dec;72(6):901–7

Antigenic cross reactivity between p195 and a distinct protein of 100 kDa in Plasmodium falciparum. Buranakitjaroen P, et al. **Mol Biochem Parasitol** 1987 Jan 2;22(1):65–77

Localization, biosynthesis, processing and isolation of a major 126 kDa antigen of the parasitophorous vacuole of Plasmodium falciparum. Delplace P, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):193–201

Monoclonal antibodies against a 60 kDa phenothiazine–binding protein from Trypanosoma brucei can discriminate between different trypanosome species. Stieger J, et al. **Mol Biochem Parasitol** 1986 Oct;21(1):37–45

A microcomputer program for hydrophilicity and amphipathicity analysis of protein antigens. Sette A, et al. **Mol Immunol** 1986 Aug;23(8):807–10

Centrosomal proteins and lactate dehydrogenase possess a common epitope in human cell lines. Gosti F, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1000–4

Working principles in the immune system implied by the "peptidic self" model.Kourilsky P, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3400–4

The cytolytic protein of human lymphocytes related to the ninth component (C9) of human complement: isolation from anti–CD3–activated peripheral blood mononuclear cells. Zalman LS, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2426–9

Modulatory effects of ambient temperature and antigen dose on the induction of specific tolerance to different protein antigens in carp (Cyprinus carpio). Avtalion RR, et al. **Prog Clin Biol Res** 1987;233:43–51

Mallory bodies and primary biliary cirrhosis. Yoshioka K, et al. **Trans Assoc Am Physicians** 1986;99:250–7

[Monoclonal antibodies against polyribosome informosomes from rabbit reticulocytes] Vlasik TN, et al. **Biokhimiia** 1986 Oct;51(10):1756–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Subunit–exchange chromatography of self–associating proteins: a quantitative reappraisal. Chiancone E, et al. **Anal Biochem** 1986 Oct;158(1):211–6

Effects of the modification of transfer buffer composition and the renaturation of proteins in gels on the recognition of proteins on Western blots by monoclonal antibodies. Dunn SD. **Anal Biochem** 1986 Aug 15;157(1):144–53

Assessment of protein purity by chromatography and multiwavelength detection. Frank J Jr, et al. **Anal Biochem** 1987 Apr;162(1):65–73

Enzyme–linked immunodetection of proteins on Coomassie blue–stained two–dimensional cellulose acetate membranes. Fujita T, et al. **Anal Biochem** 1986 Nov 15;159(1):8–11

Polyacrylamide gel electrophoresis: reaction of acrylamide at alkaline pH with buffer components and proteins. Geisthardt D, et al. **Anal Biochem** 1987 Jan;160(1):184–91

Fluorescent labeling of cysteinyl residues to facilitate electrophoretic isolation of proteins suitable for amino–terminal sequence analysis. Gorman JJ. **Anal Biochem** 1987 Feb 1;160(2):376–87

Amino acid analysis by high–performance liquid chromatography of a single stained protein band from a polyacrylamide gel. Hashimoto Y, et al. **Anal Biochem** 1987 Feb 1;160(2):362–7

Isolation of 3,4–dihydroxyphenylalanine–containing proteins using boronate affinity chromatography. Hawkins CJ, et al. **Anal Biochem** 1986 Nov 15;159(1):187–90

Identification of proteins by crossed immunoelectrophoresis with a trap–gel. Laine A, et al. **Anal Biochem** 1987 Feb 15;161(1):39–44

A rapid method for staining proteins in acrylamide gels. LeBlanc GA, et al. **Anal Biochem** 1987 Feb 15;161(1):172–5

Effect of particle size of activated charcoal on separation of Triton X–100 from protein, liver cytosol, and lipoxygenase extracts. Marcus L, et al. **Anal Biochem** 1987 May 15;163(1):112–6

Complete extraction in a form suitable for liquid scintillation counting of tritium–labeled proteins from polyacrylamide gels. Meredith C, et al. **Anal Biochem** 1987 May 1; 162(2):405–8

A procedure for the immunoblotting of proteins separated on isoelectric focusing gels. Otey CA, et al. **Anal Biochem** 1986 Aug 15;157(1):71–6

Desalting and concentration of proteins in dilute solution using reversed–phase high–performance liquid chromatography. Pohl T, et al. **Anal Biochem** 1987 Feb 1;160(2):388–91

Electrophoretic separation of proteins on agarose gel—application for direct immunization with a gel piece containing an antigen. Sakakibara R, et al. **Anal Biochem** 1987 Apr;162(1):150–5

Cation–exchange high–performance liquid chromatography:

separation of highly basic proteins using volatile acidic solvents. van den Eijnden-van Raaij AJ, et al. **Anal Biochem** 1987 May 15;163(1):263-9

Purification and characterization of human bronchial proteinase inhibitor. Boudier C, et al. **Arch Biochem Biophys** 1987 Mar;253(2):439-45

Inhibition of hexokinase activity by a fructose 2,6-bisphosphate-dependent cytosolic protein from liver. Niemeyer H, et al. **Arch Biochem Biophys** 1987 Aug 15; 257(1):17-26

Purification and characterization of collagenase activator protein synthesized by articular cartilage. Treadwell BV, et al. **Arch Biochem Biophys** 1986 Dec;251(2):715-23

Evidence for a Sertoli cell, FSH-suppressible inhibiting factor(s) of testicular steroidogenic activity. Benahmed M, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):169-78

Growth stimulating activity on 3T3 fibroblasts of the molecular weight 6,500-peptide purified from rat pancreatic juice. Fukuoka S, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):545-50

Isolation of hepatocyte stimulating factor from human monocytes. Fuller GM, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):1003-9

Further purification of human pituitary-derived chondrocyte growth factor: heparin-binding and cross-reactivity with antiserum to basic FGF. Too CK, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1128-34

A heterogeneous beta-D-glucosidase activator from monkey parotid gland and its use as an affinity ligand in the purification of human salivary beta-D-glucosidase. Nagarajan S, et al. **Biochem Int** 1987 Feb;14(2):365-73

Solubilization of porcine zonae pellucidae by trypsin and pronase. Nakano M, et al. **Biochem Int** 1987 Mar; 14(3):425-33

Purification and biochemical characterization of three major acidic proteins (BSP-A1, BSP-A2 and BSP-A3) from bovine seminal plasma. Manjunath P, et al. **Biochem J** 1987 Feb 1;241(3):685-92

Purification and characterization of a serine proteinase inhibitor from human articular cartilage. Burkhardt H, et al. **Biochim Biophys Acta** 1987 May 19;924(2):312-8

Purification and characterization of nuclear basic proteins of human sperm. Gusse M, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):124-34

The major protein of bull seminal plasma is a secretory product of seminal vesicle. Kemme M, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):282-90

Isolation and purification of a low-molecular-weight skeletal growth factor from human bones. Mohan S, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):234-42

Isolation of protein components from rat lung lamellar bodies. Nijssen JG, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):131-9

Isolation and characterisation of the guanine nucleotide exchange factor from rat liver. Proud CG. **Biochim Biophys Acta** 1987 Jul 24;914(1):64-73

An inhibitor of ornithine decarboxylase in lactogen-deprived Nb2 node rat lymphoma cells. Richards JF, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):542-51

A protein that inhibits surfactant in respiratory distress syndrome. Ikegami M, et al. **Biol Neonate** 1986;50(3):121-9

Purification and partial chemical characterization of a glycoprotein with antifertility activity from human seminal plasma. Audhya T, et al. **Biol Reprod** 1987 Mar; 36(2):511-21

Purification, secretion and immunocytochemical localization of the uterine milk proteins, major progesterone-induced proteins in uterine secretions of the sheep. Moffatt J, et al. **Biol Reprod** 1987 Mar;36(2):419-30

Luteinization-specific ovarian mitochondrial proteins. Rowe MJ, et al. **Biol Reprod** 1986 Nov;35(4):906-17

Two-dimensional electrophoresis of proteins in principal cells, spermatozoa, and fluid associated with the rat epididymis. Shabanowitz RB, et al. **Biol Reprod** 1987 Apr; 36(3):753-68

Isolation of cyclic protein-2 from rat seminiferous tubule fluid and Sertoli cell culture medium. Wright WW, et al. **Biol Reprod** 1986 Oct;35(3):761-72

Elution-band relaxation method. A method to analyze isomerization kinetics by HPLC and application to protein denaturation-renaturation. Hanai R, et al. **Biophys Chem** 1986 Nov;25(1):27-36

Purification of S-100a0 protein from rat kidney. Semba R, et al. **Brain Res** 1987 Jan 13;401(1):9-13

Continuous flow electrophoretic separation of proteins and cells from mammalian tissues. Hymer WC, et al. **Cell Biophys** 1987 Feb;10(1):61-85

A protein of Mr 80,000 is associated with the nucleolus organizer of human cell lines. Courvalin JC, et al. **Chromosoma** 1986;94(5):353-61

Identification of a low molecular weight, macrophage-derived chemotactic factor for fibroblasts. Diegelmann RF, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):331-41

Multivariate analysis of data from two-dimensional electrophoretic separation of macromolecules. Fewster PH, et al. **Comput Biol Med** 1987;17(1):29-35

Purification of proteins from cell culture supernatants. Menge U, et al. **Dev Biol Stand** 1987;66:391-401

Protein synthesis in Drosophila melanogaster embryos. Purification and characterization of polypeptide chain-initiation factor 2. Mateu MG, et al. **Eur J Biochem** 1987 Jan 2;162(1):221-9

Identification of protein phosphatases-1 and 2A and inhibitor-2 in oocytes of the starfish Asterias rubens and Marthasterias glacialis. Pondaven P, et al. **Eur J Biochem** 1987 Aug 17;167(1):135-40

A high-performance liquid chromatography procedure for recovering subnanomole amounts of protein from SDS-gel electroeluates for gas-phase sequence analysis. Simpson RJ, et al. **Eur J Biochem** 1987 May 15;165(1):21-9

Colony inhibiting factor in mature granulocytes from normal individuals and patients with chronic myeloid leukemia. Bøyum A, et al. **Eur J Haematol** 1987 Apr;38(4):318-26

Purification of two species of exudate cysteine-proteinase inhibitors that are acute-phase reactants in the carrageenin-induced inflammation in rats. Nakagawa H, et al. **FEBS Lett** 1986 Oct 20;207(1):58-62

Application of a new hydrophobic carrier for routine isolation of calmodulin and other proteins. Križanová O, et al. **Gen Physiol Biophys** 1986 Apr;5(2):201-4

Purification and physical-chemical characterization of hepatic stimulator substance. LaBrecque DR, et al. **Hepatology** 1987 Jan-Feb;7(1):100-6

The search for a hypothalamic Na+,K+-ATPase inhibitor. Haber E, et al. **Hypertension** 1987 Apr;9(4):315-24 (58 ref.)

Candidacidal factors in murine bronchoalveolar lavage fluid. Nugent KM, et al. **Infect Immun** 1987 Mar;55(3):541-6

Biochemical characterization of the human basophil-promoting activity. Stadler BM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):338-40

Double replica electroblotting: a method to produce two replicas from one gel. Johansson KE. **J Biochem Biophys Methods** 1986 Nov;13(4-5):197-203

Direct recovery of proteins into a free-liquid phase after preparative isoelectric focusing in immobilized pH gradients. Righetti PG, et al. **J Biochem Biophys Methods** 1986 Oct;13(3):151-9

Isoelectric focusing using non-amphoteric buffers in free solution: I. Determination of stable concentration profiles. Wenger P, et al. **J Biochem Biophys Methods** 1986 Nov; 13(4-5):259-73

Isoelectric focusing using non-amphoteric buffers in free solution: II. Apparatus and measures of pH stability. Wenger P, et al. **J Biochem Biophys Methods** 1986 Nov; 13(4-5):275-87

Purification of an 80 kDa Ca2+-dependent actin-modulating protein, which severs actin filaments, from bovine adrenal medulla. Ashino N, et al. **J Biochem (Tokyo)** 1987 Mar; 101(3):609-17

Purification and immunofluorescence localization of the mutant gene product of a Tetrahymena cdaA1 mutant affecting cell division. Ohba H, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):797-808

Electrophoretic separation of in vitro translation products on giant two-dimensional gels allows detailed analysis of cellular mRNAs. Colbert RA, et al. **J Biol Chem** 1986 Nov 5;261(31):14733-9

The isolation and characterization from rabbit reticulocytes of two forms of eukaryotic initiation factor 2 having different beta-polypeptides. Dholakia JN, et al. **J Biol Chem** 1987 Jul 25;262(21):10164-70

Characterization of lipocortin I and an immunologically unrelated 33-kDa protein as epidermal growth factor receptor/kinase substrates and phospholipase A2 inhibitors. Haigler HT, et al. **J Biol Chem** 1987 May 15; 262(14):6921-30

Two novel matrix proteins isolated from articular cartilage show wide distributions among connective tissues. Heinegård D, et al. **J Biol Chem** 1986 Oct 15; 261(29):13866-72

Purification and characterization of eukaryotic initiation factor 2 and a guanine nucleotide exchange factor from rat liver. Kimball SR, et al. **J Biol Chem** 1987 Feb 15; 262(5):2220-7

Involvement of carbohydrates as multiple low affinity interaction sites in the self-association of the aggregation factor from the marine sponge Microciona prolifera. Misevic GN, et al. **J Biol Chem** 1987 Apr 25;262(12):5870-7

Purification and analysis of a proteinaceous aphrodisiac pheromone from hamster vaginal discharge. Singer AG, et al. **J Biol Chem** 1986 Oct 5;261(28):13323-6

Purification and properties of a megakaryocyte stimulatory factor present both in the serum-free conditioned medium of human embryonic kidney cells and in thrombocytopenic plasma. Tayrien G, et al. **J Biol Chem** 1987 Mar 5; 262(7):3262-8

16th annual UCLA symposium. Abstracts: Protein purification: micro to macro. **J Cell Biochem [Suppl]** 1987; 11C:163-85

Two-dimensional gel electrophoresis of proteins. Dunn MJ. **J Chromatogr** 1987 Jul 17;418:145-85 (307 ref.)

High-performance immobilized-metal affinity chromatography of proteins on iminodiacetic acid silica-based bonded phases. Figueroa A, et al. **J Chromatogr** 1986 Dec 26;371:335-52

Effect of column degradation on the reversed-phase high-performance liquid chromatographic separation of peptides and proteins. Glajch JL, et al. **J Chromatogr** 1987 Jan 2;384:81-90

General strategies in the separation of proteins by high-performance liquid chromatographic methods. Hearn MT. **J Chromatogr** 1987 Jul 17;418:3-26 (125 ref.)

Separation of guinea-pig pancreatic juice proteins by reversed-phase high-performance liquid chromatography. Padfield PJ, et al. **J Chromatogr** 1986 Nov 7;369(1):133-41

Separation of protein hormones. Pearson JD, et al. **J Chromatogr** 1987 Jul 17;418:245-76 (202 ref.)

Chromatography of complex protein mixtures. Regnier FE. **J Chromatogr** 1987 Jul 17;418:115-43 (123 ref.)

High-performance liquid chromatographic separation of biological macromolecules on new silica-based ion exchangers. Ueda T, et al. **J Chromatogr** 1987 Jan 16; 386:273-82

Separation of proteins on a polymeric fluorocarbon high-performance liquid chromatography column packing. Williams RC, et al. **J Chromatogr** 1986 Dec 26;371:63-70

Chromatofocusing of N-terminally processed forms of proteins. Isolation and characterization of two forms of interleukin-1 beta and of bovine growth hormone. Wingfield PT, et al. **J Chromatogr** 1987 Jan 30;387:291-300

High-speed and high-performance size-exclusion chromatography of proteins on a new hydrophilic polystyrene-based resin. Yang YB, et al. **J Chromatogr** 1987 Apr 3;391(2):383-93

A urine inhibitor of interleukin 1 activity affects both interleukin 1 alpha and 1 beta but not tumor necrosis factor alpha. Seckinger P, et al. **J Immunol** 1987 Sep 1; 139(5):1541-5

Characterization of a factor from the U937 cell line that enhances the toxicity of human eosinophils to Schistosoma mansoni larvae. Silberstein DS, et al. **J Immunol** 1987 May 1;138(9):3042-50

Tween 20 removes antibodies and other proteins from nitrocellulose. Hoffman WL, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):191-6

Pancreatic stone protein, protein X, and thread protein [letter] Figarella C, et al. **Lancet** 1987 Jan 24;1(8526):222-3

Isolation and characterization of the link proteins. Baker JR, et al. **Methods Enzymol** 1987;144:401-12

Dentin-specific proteins. Butler WT. **Methods Enzymol** 1987; 145:290-303

Effects of microheterogeneity on sedimentation patterns of interacting proteins and the sedimentation behavior of systems involving two ligands. Cann JR. **Methods Enzymol** 1986;130:19-35

Use of immobilized subunits for the purification of oligomeric and self-associating proteins. Chiancone E, et al. **Methods Enzymol** 1987;135:484-91

Cartilage. Heinegård D, et al. **Methods Enzymol** 1987; 145:336-63

Isolation of nematode major sperm proteins. Ward S, et al. **Methods Enzymol** 1986;134:414-20

Characterization of wheat germ initiation factor eIF-2. Clarke RD, et al. **Mol Cell Biochem** 1987 Apr;74(2):129-35

Nature of bone morphogenetic protein (BMP) from decalcified rabbit bone matrix. Takahashi S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):197-204

High performance liquid chromatographic properties of peptides and proteins on a dihydroxyalkyl bonded silica stationary phase. Meyerson LR, et al. **Peptides** 1986 May-Jun;7(3):481-9

A sensitive urea-silver stain method for detecting trace quantities of separated proteins in polyacrylamide gels. Chaudhuri TR, et al. **Prep Biochem** 1987;17(1):93-9

Purification and characterization of the amiloride-sensitive sodium channel from A6 cultured cells and bovine renal papilla. Benos DJ, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8525-9

Purification of mesodermal inducing substance and protein synthesis using this material. Asashima M, et al. **Prog Clin Biol Res** 1986;226:55-66

High resolution two-dimensional protein electrophoresis in clinical chemistry. Jellum E, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:71-6 (46 ref.)

[Toxicological and immunochemical studies on identification of Lampteromyces japonicus] Kawano M. **Igaku Kenkyu** 1986 Dec;56(3):108-20 (Eng. Abstr.) **(Jpn)**

[Purification of bone morphogenetic protein (BMP) and fundamental studies on its clinical application] Asahina I. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):91-105 (Eng. Abstr.) **(Jpn)**

[Purification and characterization of the Pauly's reaction positive protein from newborn rat epidermis] Takahashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Sep; 96(10):1013-8 **(Jpn)**

[ATPase inhibitory activities found in the soluble fraction of an ascidian (Halocynthia rotezi) muscle] Asakura A, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 1;9(1):29-33 (Eng. Abstr.) **(Jpn)**

[Relation between the structural, metabolic and "adhesive" properties of nuclear and cytoplasmic non-ribosomal RNA] Zabolkin MM, et al. **Biokhimiia** 1987 May;52(5):794-805 (Eng. Abstr.) **(Rus)**

[Endogenous inhibitor of cysteine proteases from the human kidney] Kirpichenok LN, et al. **Ukr Biokhim Zh** 1987 Jan-Feb;59(1):10-5 (Eng. Abstr.) **(Rus)**

[Host proteins in purified concentrations of the influenza virus] Popov VF, et al. **Vopr Virusol** 1986 May-Jun; 31(3):297-300 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein phosphorylation in dunce memory-mutant Drosophila. Friedrich P, et al.

Acta Biochim Biophys Hung 1986;21(3):193–203 (27 ref.)
Protein phosphorylation and associative learning in Hermissenda. Neary JT, et al.
Acta Biochim Biophys Hung 1986;21(3):159–76 (62 ref.)
Formation of the local secondary structure of proteins: local sequence or environment. Plochocka D, et al.
Acta Biochim Pol 1986;33(2):109–18
Permeability of renal capillaries. II. Transport of neutral and charged protein molecular probes. Ojteg G, et al.
Acta Physiol Scand 1987 Mar;129(3):287–94
Proteins, nucleic acids and lipids of rat liver and spleen after experimental "chemical splenectomy" induced by intravenous injection of an ethyl palmitate emulsion. Kuzela L, et al. **Acta Univ Carol [Med] (Praha)** 1985; 31(5–6):369–78
Cystine metabolism in the dermatophyte Microsporum gypseum. II. Utilization of cystine in media containing peptides and proteins. Kunert J.
Acta Univ Palacki Olomuc Fac Med 1985;111:37–47
Antinutritive effect of different lupin (Lupinus) species on the protein metabolism of rats. Jécsai J, et al.
Acta Vet Hung 1986;34(1–2):19–27
The lysosomal pathway of intracellular proteolysis in liver: regulation by amino acids. Mortimore GE, et al.
Adv Enzyme Regul 1986;25:257–76
Active kallikrein, preprokallikrein, and kallikrein–inhibitor complex. Chao J, et al. **Adv Exp Med Biol** 1986;198 Pt A:181–7
Significance of covalent binding of chemically reactive metabolites of foreign compounds to proteins and lipids. Gillette JR. **Adv Exp Med Biol** 1986;197:63–82
p-Nitrosophenetole: a reactive intermediate of phenacetin that binds to protein. Hinson JA, et al.
Adv Exp Med Biol 1986;197:691–6
Endogenous kallikrein inhibitor in rat kidney cortex–effect of glucocorticoid administration. Ito K, et al.
Adv Exp Med Biol 1986;198 Pt A:361–5
Piperonyl butoxide reduces salicylate–induced nephrotoxicity and covalent binding in male rats. Kyle ME, et al.
Adv Exp Med Biol 1986;197:717–26
Protein inhibitors of serine proteinases—mechanism and classification. Laskowski M Jr. **Adv Exp Med Biol** 1986; 199:1–17
Net protein anabolism with hypocaloric parenteral nutrition in obese stressed patients. Dickerson RN, et al.
Am J Clin Nutr 1986 Dec;44(6):747–55
The French and North American phenotypes of pyruvate carboxylase deficiency, correlation with biotin containing protein by 3H–biotin incorporation, 35S–streptavidin labeling, and Northern blotting with a cloned cDNA probe. Robinson BH, et al. **Am J Hum Genet** 1987 Jan;40(1):50–9
Inflammatory mediators and modulators released in organ culture from rabbit skin lesions produced in vivo by sulfur mustard. III. Electrophoretic protein fractions, trypsin–inhibitory capacity, alpha 1–proteinase inhibitor, and alpha 1– and alpha 2–macroglobulin proteinase inhibitors of culture fluids and serum. Harada S, et al.
Am J Pathol 1987 Jan;126(1):148–63
Proteolysis in cultured cells during prolonged serum deprivation and replacement. Berger JJ, et al.
Am J Physiol 1986 Nov;251(5 Pt 1):C748–53
Vasoactive intestinal peptide stimulates protein phosphorylation in a colonic epithelial cell line. Cohn JA.
Am J Physiol 1987 Sep;253(3 Pt 1):G420–4
Insulin–stimulated protein metabolism in chronic azotemia and exercise. Davis TA, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F164–9
Alterations in protein transport events in rat liver after estrogen treatment. Goldsmith MA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G195–200
Effect of fetal growth on maternal protein metabolism in postabsorptive rat. Ling PR, et al. **Am J Physiol** 1987 Mar; 252(3 Pt 1):E380–90
Hyperglucagonemia during insulin deficiency accelerates protein catabolism. Nair KS, et al. **Am J Physiol** 1987 Aug; 253(2 Pt 1):E208–13
Cardiac protein synthesis and degradation during thyroxine–induced left ventricular hypertrophy. Parmacek MS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C727–36
Spaceflight effects on adult rat muscle protein, nucleic acids, and amino acids. Steffen JM, et al. **Am J Physiol** 1986 Dec; 251(6 Pt 2):R1059–63
O2 radicals in arachidonate–induced increased blood–brain barrier permeability to proteins. Wei EP, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):H693–9
Lymph protein concentration in initial and collecting lymphatics of the rat. Zawieja DC, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G602–6
Increased pulmonary transvascular protein flux after canine cardiopulmonary bypass. Association with lung neutrophil sequestration and tissue peroxidation. Braude S, et al.
Am Rev Respir Dis 1986 Nov;134(5):867–72
Sorting and transepithelial transport of adsorbed protein tracers: effects of temperature. Wilson JM, et al.
Anat Rec 1986 Sep;216(1):33–9
Models of lung transvascular fluid and protein transport. Roselli RJ, et al. **Ann Biomed Eng** 1987;15(2):127–38
Lung liquid and protein exchange: the four inhomogeneities. Staub NC. **Ann Biomed Eng** 1987;15(2):115–26 (50 ref.)
Response of muscle, liver and whole–body protein turnover to two different sources of protein in growing rats. Martínez JA, et al. **Ann Nutr Metab** 1987;31(3):146–53
Protein balance during very–low–calorie diets for the treatment of severe obesity. Scalfi L, et al.
Ann Nutr Metab 1987;31(3):154–9
Zinc transfer among proteins in rat duodenum mucosa. Seal CJ, et al. **Ann Nutr Metab** 1987;31(1):55–60
Modeling complex molecular interactions involving proteins and DNA. Kollman PA, et al. **Ann NY Acad Sci** 1986; 482:234–44
Targeting of nuclear–encoded proteins to the mitochondrial matrix: implications for human genetic defects. Rosenberg LE, et al. **Ann NY Acad Sci** 1986;488:99–108
The functional implications of acetaldehyde binding to cell constituents. Sorrell MF, et al. **Ann NY Acad Sci** 1987; 492:50–62
Whole body protein kinetics in severely septic patients. The response to glucose infusion and total parenteral nutrition. Shaw JH, et al. **Ann Surg** 1987 Mar;205(3):288–94
Protein and energy metabolism with biosynthetic human growth hormone after gastrointestinal surgery. Ward HC, et al. **Ann Surg** 1987 Jul;206(1):56–61
Biosynthetic protein transport and sorting by the endoplasmic reticulum and Golgi. Pfeffer SR, et al.
Annu Rev Biochem 1987;56:829–52 (117 ref.)
Mechanism of protein translocation across the endoplasmic reticulum membrane. Walter P, et al.
Annu Rev Cell Biol 1986;2:499–516 (58 ref.)
Intracellular protein catabolism and its control during nutrient deprivation and supply. Mortimore GE, et al.
Annu Rev Nutr 1987;7:539–64 (184 ref.)
Changes in the patterns of protein phosphorylation associated with granulocytic and monocytic–induced differentiation of HL–60 cells. Faille A, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1053–63
Extracellular proteins in breast tumor cytosol. Lea OA, et al. **Anticancer Res** 1987 Jan–Feb;7(1):113–7
Protein degradation by ruminal microorganisms from sheep fed dietary supplements of urea, casein, or albumin. Wallace RJ, et al. **Appl Environ Microbiol** 1987 Apr;53(4):751–3
Role of ubiquitin conformations in the specificity of protein degradation: iodinated derivatives with altered conformations and activities. Cox MJ, et al.
Arch Biochem Biophys 1986 Nov 1;250(2):400–9
Depression of cytochrome P–450 and alterations of protein metabolism in mice treated with the interferon inducer polyriboinosinic acid X polyribocytidylic acid. Gooderham NJ, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):418–25
Properties of ornithine decarboxylase–antizyme from mammary gland of lactating rats. Hu YW, et al.
Arch Biochem Biophys 1987 May 1;254(2):637–41
Vitamin E protection against chemical–induced cell injury. I. Maintenance of cellular protein thiols as a cytoprotective mechanism. Pascoe GA, et al. **Arch Biochem Biophys** 1987 Jul;256(1):150–8
Hair protein patterns in a new autosomal dominant ectodermal dysplasia [letter] Hordinsky M, et al.
Arch Dermatol 1987 Jun;123(6):716–8
Phosphorylation of soluble pig epidermal proteins by endogenous calcium–activated, phospholipid–dependent protein kinase. Koizumi H, et al. **Arch Dermatol Res** 1986; 279(2):95–9
Effects of aging on the recycling via the pentose cycle and on the kinetics of glycogen and protein metabolism in various organs of the rat. Niedermüller H.
Arch Gerontol Geriatr 1986 Dec;5(4):305–16
The effect of indomethacin on muscle and liver protein synthesis and on whole–body protein degradation during abdominal sepsis in the rat. Freund HR, et al.
Arch Surg 1986 Oct;121(10):1154–8
The effect of lead on protein and lactate dehydrogenase activity in hepatic slices cultured in vitro. Kucharz EJ, et al. **Arh Hig Rada Toksikol** 1986 Jun;37(2):225–9
Time course of release into the medium of newly synthesized proteins by cultured aortic endothelial cells. Role of serum in preventing proteolytic degradation. Dickinson ES, et al. **Arteriosclerosis** 1986 Nov–Dec;6(6):627–37
Protein traffic in human synovial effusions. Wallis WJ, et al. **Arthritis Rheum** 1987 Jan;30(1):57–63
Effects of calcium channel blockers (verapamil, diltiazem) on peritoneal transport. Lal SM, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):564–6
Protein composition of the luminal fluid and protein synthesis in vitro by the oviducts and uteri of ovariectomized, pro–oestrus and 5–day pregnant rats. Wang RX, et al.
Aust J Exp Biol Med Sci 1986 Jun;64 (Pt 3):257–69
Energy and protein metabolism in sepsis and trauma. Shaw JH, et al. **Aust NZ J Surg** 1987 Jan;57(1):41–7 (49 ref.)
Chlorate—a potent inhibitor of protein sulfation in intact cells. Baeuerle PA, et al.
Biochem Biophys Res Commun 1986 Dec 15;141(2):870–7
Prenylated proteins from kidney. Bruenger E, et al.
Biochem Biophys Res Commun 1986 Aug 29;139(1):209–14
Identification of an enzymatic activity that hydrolyzes protein–bound ADP–ribose in skeletal muscle. Chang YC, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):932–9
Heparin induces specific protein release from human intestinal smooth muscle cells. Cochran DL, et al.
Biochem Biophys Res Commun 1987 Jan 30;142(2):542–51
Atrial natriuretic peptide inhibits protein phosphorylation stimulated by angiotensin II in bovine adrenal glomerulosa cells. Elliott ME, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):814–20
5'-adenosine monophosphate inhibits ternary complex formation by rat liver eIF–2. Felipo V, et al.
Biochem Biophys Res Commun 1987 Aug 14;146(3):1079–83
Characterization of sites of tyrosine sulfation in proteins and criteria for predicting their occurrence. Hortin G, et al.
Biochem Biophys Res Commun 1986 Nov 26;141(1):326–33
Phosphorothioated binary complex of eukaryotic initiation factor eIF–2 and GDP inhibits protein synthesis in hemin–supplemented reticulocyte lysates. Hurst R, et al.
Biochem Biophys Res Commun 1987 Sep 15;147(2):772–7
Effects of dietary selenium on lipid peroxidation, mitochondrial function and protein profiles in the heart of the myopathic Syrian golden hamster (BIO 14.6). Jamall IS, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):815–20
Comparative effects of polymyxin B, phorbol ester and bryostatin on protein phosphorylation, protein kinase C translocation, phospholipid metabolism and differentiation of HL60 cells. Kiss Z, et al.
Biochem Biophys Res Commun 1987 Jul 15;146(1):208–15
A novel sulfotransferase sulfates tyrosine–containing peptides and proteins. Kobashi K, et al.
Biochem Biophys Res Commun 1986 Oct 15;140(1):38–42
Galactosialidosis: a direct evidence that a 46–kilodalton protein restores deficient enzyme activities in fibroblasts. Nanba E, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):138–42
Abnormal protein metabolism in skin fibroblasts in vitro from patients with Duchenne muscular dystrophy. Rodemann HP, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):1–9
Protein synthesis in rabbit reticulocytes: Mg2+–inhibition of ternary complex (Met–tRNA(f).eIF–2.GTP) formation by reticulocyte eIF–2. Roy AL, et al.
Biochem Biophys Res Commun 1987 Jul 15;146(1):114–20
Protein phosphorylation in peroxisomes. Skorin C, et al.
Biochem Biophys Res Commun 1986 Oct 15;140(1):188–94
Temporal patterns of protein phosphorylation after angiotensin II, A23187 and/or 12–O–tetradecanoylphorbol 13–acetate in adrenal glomerulosa cells. Barrett PQ, et al.
Biochem J 1986 Sep 15;238(3):893–903
The action of human articular–cartilage metalloproteinase on proteoglycan and link protein. Similarities between products of degradation in situ and in vitro. Campbell IK, et al. **Biochem J** 1986 Jul 1;237(1):117–22
Multiple biotin–containing proteins in 3T3–L1 cells. Chandler CS, et al. **Biochem J** 1986 Jul 1;237(1):123–30
Protein phosphorylation in rat mammary acini and in cytosol preparations in vitro. Phosphorylation of acetyl–CoA carboxylase is unaffected by cyclic AMP. Clegg RA, et al. **Biochem J** 1987 Jan 15;241(2):447–54
Inhibition of polypeptide chain initiation in Daudi cells by interferons. Evidence that activity of initiation factor eIF–2 and availability of mRNA are unimpaired. Clemens MJ, et al. **Biochem J** 1986 Aug 1;237(3):877–84
Affinity purification of seminalplasmin and characterization of its interaction with calmodulin. Comte M, et al.
Biochem J 1986 Dec 1;240(2):567–73
Stabilization of dry phospholipid bilayers and proteins by sugars. Crowe JH, et al. **Biochem J** 1987 Feb 15;242(1):1–10 (90 ref.)
A putative protein–sequestration site involving intermediate filaments for protein degradation by autophagy. Studies with microinjected purified glycolytic enzymes in 3T3–L1 cells. Doherty FJ, et al. **Biochem J** 1987 Feb 1; 241(3):793–800
Pre– and post–natal growth and protein turnover in the lung of the rat. Goldspink DF. **Biochem J** 1987 Feb 15; 242(1):275–9
Identification of the phosphatase deinhibitor protein phosphatases in rabbit skeletal muscle. Goris J, et al.
Biochem J 1986 Oct 1;239(1):109–14
Effects of dehydrouramil on protein phosphorylation and insulin secretion in rat islets of Langerhans. Harrison DE, et al. **Biochem J** 1986 Jul 1;237(1):191–6
Characterization of interleukin 2–stimulated phosphorylation of 67 and 63 kDa proteins in human T–cells. Ishii T, et al. **Biochem J** 1987 Feb 15;242(1):211–9
1–Naphthylisothiocyanate–induced permeability of hepatic tight junctions to proteins. Kan KS, et al. **Biochem J** 1986 Sep 1;238(2):323–8
Alpha–thrombin–induced tyrosine phosphorylation of 43,000– and 41,000–Mr proteins is independent of cytoplasmic alkalinization in quiescent fibroblasts. Kohno M, et al. **Biochem J** 1986 Sep 1;238(2):451–7
Disulphide reduction in lysosomes. The role of cysteine. Lloyd JB. **Biochem J** 1986 Jul 1;237(1):271–2
Effects of weakly basic amines on proteolytic processing and terminal glycosylation of secretory proteins in cultured rat hepatocytes. Oda K, et al. **Biochem J** 1986 Dec 15; 240(3):739–45
Inhibition of intracellular protein degradation by ethanol in perfused rat liver. Pösö AR, et al. **Biochem J** 1987 Mar 1;242(2):459–64
Protein degradation in cat liver cells. Silva SV, et al.
Biochem J 1986 Dec 15;240(3):843–6
Intracellular protein degradation in serum–deprived human fibroblasts. Slot LA, et al. **Biochem J** 1986 Jul 15; 237(2):491–8
Effects of pressure overload and insulin on protein turnover in the perfused rat heart. Prostaglandins are not involved although their synthesis is stimulated by insulin. Smith DM,

et al. **Biochem J** 1987 Apr 15;243(2):473–9
Contrasting response of protein degradation to starvation and insulin as measured by release of N tau–methylhistidine or phenylalanine from the perfused rat heart. Smith DM, et al. **Biochem J** 1986 Jul 15;237(2):391–5
Early development of protein metabolic perturbations in the liver and skeletal muscle of tumour–bearing rats. A model system for cancer cachexia. Tessitore L, et al. **Biochem J** 1987 Jan 1;241(1):153–9
A triple–binding–domain model explains the specificity of the interaction of a sphingolipid activator protein (SAP–1) with sulphatide, GM1–ganglioside and globotriaosylceramide. Wynn CH. **Biochem J** 1986 Dec 15;240(3):921–4
The effect of aspirin on protein breakdown in septic man. Miccolo M, et al. **Biochem Med Metab Biol** 1986 Feb; 35(1):77–82
Formation and reduction of glutathione–protein mixed disulfides during oxidative stress. A study with isolated hepatocytes and menadione (2–methyl–1,4–naphthoquinone). Bellomo G, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1313–20
In vitro metabolism of etoposide (VP–16–213) by liver microsomes and irreversible binding of reactive intermediates to microsomal proteins. Haim N, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):527–36
Protein phosphorylation in rat mast cell granules. Cyclic AMP dependent phosphorylation of a 44K protein associated with broken granules. Kurosawa M, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):131–40
Hepatotoxicity of N–methylformamide in mice—II. Covalent binding of metabolites of [14C]–labelled N–methylformamide to hepatic proteins. Pearson PG, et al. **Biochem Pharmacol** 1987 Feb 1;36(3):385–90
Binding of reactive metabolites of CCl4 to specific microsomal proteins. Vittozzi L, et al. **Biochem Pharmacol** 1987 May 1;36(9):1401–6
Translocation intermediates on the import pathway of proteins into mitochondria. Hartl FU, et al. **Biochem Soc Trans** 1987 Feb;15(1):95–7
Rat testicular testibumin is a protein responsive to follicle stimulating hormone and testosterone that shares immunodeterminants with albumin. Cheng CY, et al. **Biochemistry** 1986 Sep 9;25(18):5276–88
Group–specific component (vitamin D binding protein) prevents the interaction between G–actin and profilin. Goldschmidt–Clermont PJ, et al. **Biochemistry** 1986 Oct 21;25(21):6467–72
Peptide models of protein metastable binding sites: competitive kinetics of isomerization and hydrolysis. Khan SA, et al. **Biochemistry** 1986 Sep 9;25(18):5165–71
Carbamoyl–phosphate synthetase II of the mammalian CAD protein: kinetic mechanism and elucidation of reaction intermediates by positional isotope exchange. Meek TD, et al. **Biochemistry** 1987 May 5;26(9):2584–93
A 59–kilodalton protein associated with progestin, estrogen, androgen, and glucocorticoid receptors. Tai PK, et al. **Biochemistry** 1986 Sep 9;25(18):5269–75
Effect of growth hormone on protein phosphorylation in isolated rat hepatocytes. Yamada K, et al. **Biochemistry** 1987 Feb 10;26(3):715–21
Temperature dependence of protein degradation, autophagic sequestration and mitochondrial sugar uptake in rat hepatocytes. Gordon PB, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):128–33
Analysis of the in vivo phosphorylation state of protein phosphatase inhibitor–2 from rabbit skeletal muscle by fast–atom bombardment mass spectrometry. Holmes CF, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):208–19
Phospholipid–protein interactions in rat lung lamellar bodies. Nijssen JG, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):140–7
Kinetic analysis of glycation as a tool for assessing the half–life of proteins. Schleicher E, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):199–205
The ability to convert the 4 S glucocorticoid receptor to the 7–8 S form is dependent on both RNA and protein factors. Tymoczko JL, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):114–21
Protein phosphorylation associated with stimulation of rabbit gastric glands. Urushidani T, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):209–19
New trends in cryoenzymology: probing the functional role of protein dynamics by single–step kinetics. Barman T, et al. **Biochimie** 1986 Sep;68(9):1041–51 (41 ref.)
Non–enzymatic modification of proteins by steroids: pathological implications for autoimmunity and glucocorticoid toxicity. Bucala R, et al. **Bioessays** 1985 Aug;3(2):55–9
The uptake and accumulation of proteins by the cell nucleus. Feldherr CM. **Bioessays** 1985 Aug;3(2):52–5
Protein–metal ion interaction: volume effects produced by the interaction of proteins with metal ions. Katz S, et al. **Bioinorg Chem** 1976;6(2):143–54
ATP–dependent proteolysis and the role of ubiquitin in rabbit cardiac muscle. Gehrke PP, et al. **Biol Chem Hoppe Seyler** 1987 Jun;368(6):691–708
Changes in rat sperm membrane glycosidase activities and carbohydrate and protein contents associated with epididymal transit. Hall JC, et al. **Biol Reprod** 1987 Apr; 36(3):709–18
Uterine media proteins in the rat during gestation. Jacobs MH, et al. **Biol Reprod** 1987 Feb;36(1):157–65
Intracellular protein catabolism VI. Proceedings of the 6th Symposium on Intracellular Protein Catabolism. April 21–25, 1986. Wernigerode, DDR. **Biomed Biochim Acta** 1986;45(11–12):1363–663
Metabolic consequences of high protein intake in premature infants appropriate for gestational age. Boehm G, et al. **Biomed Biochim Acta** 1987;46(1):89–95
Oxidation induced proteolysis and its possible restriction by some secondary protein modifications. Dean RT, et al. **Biomed Biochim Acta** 1986;45(11–12):1563–73
Perforated hepatocytes as a system for studying intracellular proteolysis. Grinde B, et al. **Biomed Biochim Acta** 1986; 45(11–12):1627–33
How does glucose initiate proteolysis of yeast fructose–1,6–bisphosphatase? Holzer H, et al. **Biomed Biochim Acta** 1986;45(11–12):1657–63
The turnover of autophagic vacuoles: evaluation by quantitative electron microscopy. Kovács J, et al. **Biomed Biochim Acta** 1986;45(11–12):1543–7
Intracellular protein catabolism: evidence for sequestration of proteins into an intermediate–filament fraction before lysosomal degradation. Mayer RJ, et al. **Biomed Biochim Acta** 1986;45(11–12):1591–602
Microinjection studies on selective protein degradation: relationships between stability, structure, and location. Rogers SW, et al. **Biomed Biochim Acta** 1986; 45(11–12):1611–8
A probabilistic model for fitting MWC polynomials in protein–ligand binding. Briggs WE. **Biophys Chem** 1986 Aug;24(3):311–8
Charge redistribution in proteins via linear hydrogen–bond chains. Korn AP. **Biophys Chem** 1986 Aug;24(3):235–47
Cooperative effects on binding of proteins to DNA. Nechipurenko YD, et al. **Biophys Chem** 1986 Aug; 24(3):195–209
What causes the variation of polarization degree across the emission spectrum of proteins? Turoverov KK, et al. **Biophys Chem** 1986 Aug;24(3):327–35
Concentration dependence of protein diffusion. O'Leary TJ. **Biophys J** 1987 Jul;52(1):137–9
Acanthamoeba profilin binding to fluorescein–labeled actins. Plank L, et al. **Biophys J** 1987 Jun;51(6):985–8
Phospholipids as a possible instrument for translocation of nascent proteins across biological membranes. Rietveld A, et al. **Biosci Rep** 1986 Sep;6(9):775–82
Vitamin–A–dependent zinc–binding protein and intestinal absorption of Zn in chicks. Berzin NI, et al. **Br J Nutr** 1987 Mar;57(2):255–68
The effects of severe zinc deficiency on protein turnover in muscle and thymus. Giugliano R, et al. **Br J Nutr** 1987 Jan;57(1):139–55
Effect of food intake on protein and energy metabolism in finishing beef steers. Lobley GE, et al. **Br J Nutr** 1987 May;57(3):457–65
Microbial protein and peptide metabolism in rumen fluid from faunated and ciliate–free sheep. Wallace RJ, et al. **Br J Nutr** 1987 Jul;58(1):87–93
Developmental fall in whole body protein turnover of chick embryos during incubation. Muramatsu T, et al. **Br Poult Sci** 1987 Mar;28(1):165–72
The relationship between axonal transport of protein and demyelination in the optic nerves of mice infected with Semliki Forest virus. Tansey EM, et al. **Brain Res** 1986 Nov 5;397(1):9–15
Didemnin B inhibits biological effects of tumor promoting phorbol esters on mouse skin, as well as phosphorylation of a 100 kD protein in mouse epidermis cytosol. Gschwendt M, et al. **Cancer Lett** 1987 Feb;34(2):187–91
Formation and persistence of DNA–protein cross–links induced in mouse fibroblasts by dibenzo[a,e]fluoranthene, and modulation by stimulators and inhibitors of polycyclic aromatic hydrocarbons (PAH) metabolism. Perin–Roussel O, et al. **Cancer Lett** 1987 Aug;36(2):169–80
Differential effects of various protein kinase C activators on protein phosphorylation in human acute myeloblastic leukemia cell line KG–1 and its phorbol ester–resistant subline KG–1a. Kiss Z, et al. **Cancer Res** 1987 Mar 1; 47(5):1302–7
A new concept for macromolecular therapeutics in cancer chemotherapy: mechanism of tumoritropic accumulation of proteins and the antitumor agent smancs. Matsumura Y, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6387–92
In vivo DNA–protein cross–linking by cis– and trans–diamminedichloroplatinum(II). Olinski R, et al. **Cancer Res** 1987 Jan 1;47(1):201–5
Yield of DNA–protein cross–links in gamma–irradiated Chinese hamster cells. Ramakrishnan N, et al. **Cancer Res** 1987 Apr 15;47(8):2032–5
Induction of an unusual type of shared phosphorylation in human and avian cells by tumor–promoting phorbol esters or transformation. Sagara J, et al. **Cancer Res** 1986 Oct; 46(10):5291–6
Influence of the Walker 256 carcinosarcoma on muscle, tumor, and whole–body protein synthesis and growth rate in the cancer–bearing rat. Tayek JA, et al. **Cancer Res** 1986 Nov;46(11):5669–54
Differential phosphorylation events associated with phorbol ester effects on acceleration versus inhibition of cell growth [letter] Zelikoff JT, et al. **Cancer Res** 1987 Jan 1; 47(1):329–30
Effect of cell proliferation and chromatin conformation on intercalator–induced, protein–associated DNA cleavage in human brain tumor cells and human fibroblasts. Zwelling LA, et al. **Cancer Res** 1987 Jan 1;47(1):251–7
Protein sorting by selective retention in the endoplasmic reticulum and Golgi stack. Rothman JE. **Cell** 1987 Aug 14;50(4):521–2
Bidirectional pigment granule movements of melanophores are regulated by protein phosphorylation and dephosphorylation. Rozdzial MM, et al. **Cell** 1986 Dec 26; 47(6):1061–70
Patterns of soluble cellular proteins during fetal rat hepatocyte development. Radford J, et al. **Cell Biol Int Rep** 1987 Jan;11(1):43–54
Regional differences of proteins in isolated cells of early embryos of Xenopus laevis. Miyata S, et al. **Cell Differ** 1987 Jun;21(1):47–52
Protein transport to the epididymal lumen. Cooper TG, et al. **Cell Tissue Res** 1987 Jun;248(3):527–30
Protein absorption by tubular mesonephric and metanephric structures in the human embryo. An immunohistochemical study. Lauriola L, et al. **Cell Tissue Res** 1986;246(1):77–80
Protein and amino acid metabolism and requirements in older persons. Fukagawa NK, et al. **Clin Geriatr Med** 1987 May; 3(2):329–41
Fractional dextran and protein clearances in glomerulonephritis and in diabetic nephropathy. Ala–Houhala I, et al. **Clin Sci** 1987 Mar;72(3):289–96
Effect of dietary carbohydrate source on soluble protein glucose concentration and enzyme activity (aldolase) of European eels (Anguilla anguilla L.). Degani G. **Comp Biochem Physiol [A]** 1987;87(1):27–30
Production and glycosylation of sperm constitutive proteins in the lizard Lacerta vivipara. Evolution during the reproductive period. Depeiges A, et al. **Comp Biochem Physiol [B]** 1987;86(2):233–40
Effect of protein starvation on protein turnover in liver, oviduct and whole body of laying hens. Muramatsu T, et al. **Comp Biochem Physiol [B]** 1987;87(2):227–32
In vitro ADP–ribosylation of nuclear proteins in mouse tissues. Identification of an unusual group of acceptors in testis nuclei. Quesada P, et al. **Comp Biochem Physiol [B]** 1987;87(3):473–9
What is the function of protein carboxyl methylation? van Waarde A. **Comp Biochem Physiol [B]** 1987;86(3):423–38 (173 ref.)
Presence of O6–methylguanine acceptor protein in the tissues of different classes of vertebrates and invertebrates. Woodhead AD, et al. **Comp Biochem Physiol [B]** 1986; 85(1):125–30
Protein and amino acid metabolism in relation to physical exercise. Young VR. **Curr Concepts Nutr** 1986;15:9–32 (76 ref.)
Effect of plasma and interstitial protein content on tissue edema formation. Demling RH. **Curr Stud Hematol Blood Transfus** 1986;(53):36–52 (38 ref.)
Regulation of intracellular protein turnover: covalent modification as a mechanism of marking proteins for degradation. Rivett AJ. **Curr Top Cell Regul** 1986; 28:291–337 (229 ref.)
The concept of the intracellular amino acid pool and its relevance in the regulation of protein metabolism, with particular reference to mammalian cells. Wheatley DN, et al. **Curr Top Cell Regul** 1986;28:107–82 (225 ref.)
Oral protein hydrolysate causes liver glycogen depletion in fasted rats pretreated with glucose. Gannon MC, et al. **Diabetes** 1987 Jan;36(1):52–8
High K+ rapidly stimulates Ca2+–dependent phosphorylation of three proteins concomitant with insulin secretion from HIT cells. Oberwetter JM, et al. **Diabetes** 1987 Jul;36(7):864–71
Protein and nucleic acid content in Daphnia magna during chronic exposure to cadmium. Knowles CO, et al. **Ecotoxicol Environ Safety** 1987 Jun;13(3):290–300
Electron microscopic visualization of protein–DNA interactions at the estrogen responsive element and in the first intron of the Xenopus laevis vitellogenin gene. ten Heggeler–Bordier B, et al. **EMBO J** 1987 Jun;6(6):1715–20
Thyroid and glucocorticoid hormone regulation of specific protein abundance in cultured human skin fibroblasts. Davis RE, et al. **Endocr Res** 1987;13(1):61–7
Effects of estradiol on calcium–specific protein phosphorylation in the rat corpus luteum. Rao MC, et al. **Endocrinology** 1987 Mar;120(3):1010–8
Simultaneous synthesis and hydrolysis of ATP regulated by the inhibitor protein in submitochondrial particles. Beltrán C, et al. **Eur J Biochem** 1986 Oct 1;160(1):163–8
Structure and regulation of eukaryotic initiation factor eIF–2. Sequence of the site in the alpha subunit phosphorylated by the haem–controlled repressor and by the double–stranded RNA–activated inhibitor. Colthurst DR, et al. **Eur J Biochem** 1987 Jul 15;166(2):357–63
Binding mode of nucleosome–assembly protein (AP–I) and histones. Ishimi Y, et al. **Eur J Biochem** 1987 Jan 2; 162(1):19–24
Protein synthesis in Drosophila melanogaster embryos. Two mechanisms for guanine nucleotide exchange on eukaryotic initiation factor 2. Mateu MG, et al. **Eur J Biochem** 1987 Jun 15;165(3):507–13
Cooperative DNA binding by lambda integration protein—a key component of specificity. Minter SJ, et al. **Eur J Biochem** 1986 Dec 15;161(3):727–31
Characteristics of thyroid protein kinase C. Different Ca2

requirement for the phosphorylation of endogenous proteins and of H1 histone. Omri B, et al. **Eur J Biochem** 1987 May 15;165(1):83–90

Energy dependence of autophagic protein degradation in isolated rat hepatocytes. Plomp PJ, et al. **Eur J Biochem** 1987 Apr 1;164(1):197–203

Aminoglycoside antibiotic treatment of human fibroblasts: intracellular accumulation, molecular changes and the loss of ribosomal accuracy. Buchanan JH, et al. **Eur J Cell Biol** 1987 Feb;43(1):141–7

Transsynovial distribution and protein binding of pirazolac in patients with rheumatoid arthritis. Kurowski M, et al. **Eur J Clin Pharmacol** 1986;31(3):307–11

Inhibition of protein exudation from the trachea by corticotropin-releasing factor. Wei ET, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):63–7

Protein turnover in skeletal muscle tissue from patients with hyperparathyroidism and the effect of calcium in vitro. Hasselgren PO, et al. **Eur Surg Res** 1986;18(6):337–42

Morphological and histochemical studies on Joseph cells of amphioxus, Branchiostoma belcheri Gray. Watanabe T, et al. **Exp Biol** 1986;46(2):67–73

Protein turnover and cellular autophagy in growing and growth-inhibited 3T3 cells. Papadopoulos T, et al. **Exp Cell Res** 1987 Jul;171(1):110–21

Association of three chicken proteins with the 34 kD target of Rous sarcoma virus tyrosine kinase. Simon M, et al. **Exp Cell Res** 1987 Apr;169(2):419–31

The nonenzymatic glycation of proteins and nucleic acids, their importance for the development of diabetic complications, possible molecular basis of aging and autoimmunological processes. Krantz S, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):257–69 (83 ref.)

Increased degradation in rat liver induced by antilipolytic agents: a model for studying autophagy and protein degradation in liver? Bergamini E, et al. **Exp Mol Pathol** 1987 Feb;46(1):114–22

Degradation of short- and long-lived proteins in perfused liver and in isolated autophagic vacuoles—lysosomes. Henell F, et al. **Exp Mol Pathol** 1987 Feb;46(1):1–14

Lysosomal membrane fragility and catabolism of cytosolic proteins: evidence for a direct relationship. Moore MN, et al. **Experientia** 1987 Mar 15;43(3):320–3

Phosphorylation of the modulator protein of the ATP, Mg-dependent protein phosphatase by casein kinase TS. Reversal by PCS phosphatases and control by distinct phosphorylation site(s). Agostinis P, et al. **FEBS Lett** 1986 Oct 20;207(1):167–72

The hydration of protein secondary structures. Barlow DJ, et al. **FEBS Lett** 1987 Mar 23;213(2):423–7

Interaction of protein synthesis initiation factor 2 from Xenopus laevis oocytes with GDP and GTP analogs. Carvallo P, et al. **FEBS Lett** 1987 May 4;215(1):109–14

A mechanism for accelerated degradation of intracellular proteins after limited damage by free radicals. Dean RT. **FEBS Lett** 1987 Aug 17;220(2):278–82

Regulatory role of the ATPase inhibitor protein on proton conduction by mitochondrial H+-ATPase complex. Guerrieri F, et al. **FEBS Lett** 1987 Mar 9;213(1):67–72

Control of proteolysis in perifused rat hepatocytes. Leverve XM, et al. **FEBS Lett** 1987 Jul 27;219(2):455–8

Misunderstanding or misrepresentation? 'Reticulocyte lipoxygenase, ingensin, and ATP-dependent proteolysis'. Rapoport S. **FEBS Lett** 1987 May 4;215(1):193–6

2,3-Bisphosphoglycerate inhibits ATP-stimulated proteolysis. Roche E, et al. **FEBS Lett** 1987 Sep 14; 221(2):231–5

Neutrophil specific 33 kDa protein: its Ca2+- and phospholipid-dependent intracellular translocation. Sato EF, et al. **FEBS Lett** 1987 Apr 6;214(1):181–6

Interaction of seminalplasmin with chlortetracycline, a fluorescent chelate probe of Ca2+. Shivaji S. **FEBS Lett** 1987 Jun 22;218(1):97–101

The binding of glucosylceramidase to glucosylceramide is promoted by its activator protein. Vaccaro AM, et al. **FEBS Lett** 1987 Jun 1;216(2):190–4

Is enhanced free radical flux associated with increased intracellular proteolysis? Vince GS, et al. **FEBS Lett** 1987 Jun 1;216(2):253–6

Mechanical factors affecting protein turnover in isolated rat hearts. Morgan HE, et al. **Fed Proc** 1986 Oct;45(11):2563–7

Effect of methotrexate (MTX) on the testicular proteins, DNA and RNA of Mus musculus. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):314–21

Characterization of spontaneous and decalin-induced hyaline droplets in kidneys of adult male rats. Kanerva RL, et al. **Food Chem Toxicol** 1987 Jan;25(1):63–82

Irreversible in vivo and in vitro binding of thiabendazole to tissue protein of pregnant mice. Yoneyama M, et al. **Food Chem Toxicol** 1986 Dec;24(12):1283–6

The role of glucocorticoids on histomorphology, nucleic acid, and protein level of bursa of Fabricius of chicken. De M, et al. **Gegenbaurs Morphol Jahrb** 1987;133(2):353–9

Protein metabolism in inflammatory bowel disease. Powell-Tuck J. **Gut** 1986 Nov;27 Suppl 1:67–71 (33 ref.)

Effect of branched chain amino acid infusions on body protein metabolism in cirrhosis of liver. Wright PD, et al. **Gut** 1986 Nov;27 Suppl 1:96–102

Mechanism of corticotropin action on adrenal protein synthesis. The effects of inhibitors of protein synthesis and calcium chelators. Dazord A, et al. **Horm Res** 1981; 15(4):270–82

Whole-body protein turnover in man determined in three hours with oral or intravenous 15N-glycine and enrichment in urinary ammonia. Jackson AA, et al. **Hum Nutr Clin Nutr** 1987 Jul;41(4):263–76

Protein and diacylglycerol phosphorylation in the stimulus-secretion coupling of rat mast cells. Sagi-Eisenberg R, et al. **Immunology** 1987 Jun;61(2):203–6

Effect of bilateral hysterectomy on the liver protein metabolism in albino rats. Venkata Rami Reddy K, et al. **Indian J Exp Biol** 1986 Dec;24(12):795–6

Preliminary observations on interaction of 14C-metronidazole with macromolecules in vivo and in vitro. Chacko M, et al. **Indian J Physiol Pharmacol** 1986 Jul-Sep;30(3):199–204

Nonenzymatic glycosylation of proteins and protease activities in granulation tissues in experimental diabetes. Sharma C, et al. **Inflammation** 1986 Dec;10(4):403–11

eIF-2B and the exchange of guanine nucleotides bound to eIF-2. Manchester KL. **Int J Biochem** 1987;19(3):245–51

Hepatic CoA, S-acyl-CoA, biosynthetic precursors of the coenzyme and pantothenate-protein complexes in dietary pantothenic acid deficiency. Moiseenok AG, et al. **Int J Vitam Nutr Res** 1987;57(1):71–7

Transfer of secretory proteins through the membrane of the endoplasmic reticulum. Hortsch M, et al. **Int Rev Cytol** 1986;102:215–42 (277 ref.)

Relative contributions of ruminal bacteria and protozoa to the degradation of protein in vitro. Hino T, et al. **J Anim Sci** 1987 Jan;64(1):261–70

Site of protein digestion in steers fed sorghum grain diets. I. Effect of level of feed intake. Rahnema SH, et al. **J Anim Sci** 1987 May;64(5):1533–40

Site of protein digestion in steers fed sorghum grain diets. II. Effect of grain processing methods. Rahnema SH, et al. **J Anim Sci** 1987 May;64(5):1541–7

CVF-induced decomplementation: effect on lung transvascular protein flux after thrombin. Johnson A, et al. **J Appl Physiol** 1987 Mar;62(3):863–9

Analysis of airway fluid protein concentration in neurogenic pulmonary edema. Maron MB. **J Appl Physiol** 1987 Feb; 62(2):470–6

Lung mechanics and connective tissue proteins in diabetic Bio-Breeding/Worcester Wistar rats. Sahebjami H, et al. **J Appl Physiol** 1987 Apr;62(4):1430–5

Endotoxin increases pulmonary vascular protein permeability in the dog. Welsh CH, et al. **J Appl Physiol** 1986 Oct; 61(4):1395–402

Calcitonin-induced phosphorylation of rat liver cytosolic proteins. Inaba M, et al. **J Biochem (Tokyo)** 1986 Sep; 100(3):591–5

Autoxidizability of beef heart cytochrome c1 lacking the hinge protein c1-c. Mukai K, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1165–73

The 45K molecular weight actin-modulating protein from sea urchin eggs forms a complex with actin in the presence of calcium ions. Ohnuma M, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):817–20

Identification of the probable inhibitory reactive sites of the cysteine proteinase inhibitors human cystatin C and chicken cystatin. Abrahamson M, et al. **J Biol Chem** 1987 Jul 15; 262(20):9688–94

Degradation and regurgitation of extracellular proteins by cultured mouse peritoneal macrophages and baby hamster kidney fibroblasts. Kinetic evidence that the transfer of proteins to lysosomes is not irreversible. Buktenica S, et al. **J Biol Chem** 1987 Jul 15;262(20):9469–76

Effect of subunit size and conformation on the rate of lysosomal degradation of extracellular proteins in cultured mouse peritoneal macrophages. Buktenica S, et al. **J Biol Chem** 1987 Aug 25;262(24):11611–5

Ganglioside-modulated protein phosphorylation. Partial purification and characterization of a ganglioside-stimulated protein kinase in brain. Chan KF. **J Biol Chem** 1987 Apr 15;262(11):5248–55

Regulation of polypeptide chain initiation in Chinese hamster ovary cells with a temperature-sensitive leucyl-tRNA synthetase. Changes in phosphorylation of initiation factor eIF-2 and in the activity of the guanine nucleotide exchange factor GEF. Clemens MJ, et al. **J Biol Chem** 1987 Jan 15;262(2):767–71

Protein damage and degradation by oxygen radicals. I. general aspects. Davies KJ. **J Biol Chem** 1987 Jul 15; 262(20):9895–901

Product of SEC53 is required for folding and glycosylation of secretory proteins in the lumen of the yeast endoplasmic reticulum. Feldman RI, et al. **J Biol Chem** 1987 Jul 5; 262(19):9332–9

Energy expenditure in the control of biochemical systems by covalent modification. Goldbeter A, et al. **J Biol Chem** 1987 Apr 5;262(10):4460–71

Evidence that phosphorylation of eIF-2(alpha) prevents the eIF-2B-mediated dissociation of eIF-2 X GDP from the 60 S subunit of complete initiation complexes. Gross M, et al. **J Biol Chem** 1987 May 15;262(14):6899–907

Plectin and IFAP-300K are homologous proteins binding to microtubule-associated proteins 1 and 2 and to the 240-kilodalton subunit of spectrin. Herrmann H, et al. **J Biol Chem** 1987 Jan 25;262(3):1320–5

Tyrosine phosphorylation of common and specific sets of cellular proteins rapidly induced by insulin, insulin-like growth factor I, and epidermal growth factor in an intact cell. Kadowaki T, et al. **J Biol Chem** 1987 May 25; 262(15):7342–50

Role of the hinge protein in the electron transfer between cardiac cytochrome c1 and c. Equilibrium constants and kinetic probes. Kim CH, et al. **J Biol Chem** 1987 Jun 15; 262(17):8103–8

Protein phosphorylation and secretion in digitonin-permeabilized adrenal chromaffin cells. Effects of micromolar Ca2+, phorbol esters, and diacylglycerol. Lee SA, et al. **J Biol Chem** 1986 Dec 25;261(36):17089–98

Binding, internalization, and intracellular processing of protein ligands. Derivation of rate constants by computer modeling. Myers AC, et al. **J Biol Chem** 1987 May 15; 262(14):6494–9

Phosphoenolpyruvate carboxykinase ferroactivator 1. Mechanism of action and identity with glutathione peroxidase. Punekar NS, et al. **J Biol Chem** 1987 May 15; 262(14):6714–9

Effects of chemical modifications on the surface- and protein-binding properties of the light chain of human high molecular weight kininogen. Retzios AD, et al. **J Biol Chem** 1987 Mar 5;262(7):3074–81

Transfer of nonglucosylated oligosaccharide from lipid to protein in a mammalian cell. Romero PA, et al. **J Biol Chem** 1986 Dec 5;261(34):15936–40

Degradation of proteins microinjected into HeLa cells. The role of substrate flexibility. Rote KV, et al. **J Biol Chem** 1986 Nov 25;261(33):15430–6

Interaction of rat testis protein, TP, with nucleic acids in vitro. Fluorescence quenching, UV absorption, and thermal denaturation studies. Singh J, et al. **J Biol Chem** 1987 Jan 15;262(2):734–40

N-terminal carbamylation of the hyaluronic acid-binding region and the link protein from the chondrosarcoma proteoglycan aggregate. Stevens JW, et al. **J Biol Chem** 1986 Nov 25;261(33):15442–9

Thermal destruction processes in proteins involving cystine residues. Volkin DB, et al. **J Biol Chem** 1987 Mar 5; 262(7):2945–50

Effect of phosphate on the kinetics and specificity of glycation of protein. Watkins NG, et al. **J Biol Chem** 1987 May 25;262(15):7207–12

A single mutation prevents the normal intracellular transport of multiple lysosomal proteins from the rough endoplasmic reticulum. Woychik NA, et al. **J Biol Chem** 1987 Jul 25; 262(21):10008–14

Glucan stimulates production of antitumor cytolytic/cytostatic factor(s) by macrophages. Sherwood ER, et al. **J Biol Response Mod** 1986 Dec;5(6):504–26

Regulation of the ubiquitin-mediated proteolytic pathway: role of the substrate alpha-NH2 group and of transfer RNA. Ciechanover A. **J Cell Biochem** 1987 Jun; 34(2):81–100 (80 ref.)

Sponge aggregation factor: in situ localization by fluorescent monoclonal antibody techniques. Gramzow M, et al. **J Cell Biochem** 1986;31(4):251–8

16th annual UCLA symposium. Abstracts: Molecular biology of intracellular protein sorting and organelle assembly. **J Cell Biochem [Suppl]** 1987;11A:239–92

Tubulin interaction with kinetochore proteins: analysis by in vitro assembly and chemical cross-linking. Balczon RD, et al. **J Cell Biol** 1987 Aug;105(2):855–62

In vitro transport of a fluorescent nuclear protein and exclusion of non-nuclear proteins. Newmeyer DD, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2091–102

A novel mitotic spindle pole component that originates from the cytoplasm during prophase. Sager PR, et al. **J Cell Biol** 1986 Nov;103(5):1863–72

The covalent modification of eukaryotic proteins with lipid. Sefton BM, et al. **J Cell Biol** 1987 Jun;104(6):1449–53 (57 ref.)

A gonadotropin-releasing hormone (GnRH)-like protein in human ovaries: similarity to the GnRH-like ovarian protein of the rat. Aten RF, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1288–93

Tissue injury in inflammation. Oxidants, proteinases, and cationic proteins. Henson PM, et al. **J Clin Invest** 1987 Mar;79(3):669–74 (121 ref.)

Corticosteroids and surfactant change lung function and protein leaks in the lungs of ventilated premature rabbits. Ikegami M, et al. **J Clin Invest** 1987 May;79(5):1371–8

Recognition of protein apparently specific to odontogenic keratocyst fluids. Douglas CW, et al. **J Clin Pathol** 1986 Oct;39(10):1108–15

A procedure for measuring peptides in rumen fluid and evidence that peptide uptake can be a rate-limiting step in ruminal protein degradation. Chen G, et al. **J Dairy Sci** 1987 Jun;70(6):1211–9

Mobile nylon bag for estimating intestinal availability of rumen undegradable protein. de Boer G, et al. **J Dairy Sci** 1987 May;70(5):977–82

Effect of inoculum preparation and dietary energy on microbial numbers and rumen protein degradation activity. Furchtenicht JE, et al. **J Dairy Sci** 1987 Jul;70(7):1404–10

Predicting maternal protein and fat balances of growing and mature dry cows. Holter JB, et al. **J Dairy Sci** 1986 Oct; 69(10):2622–35

Endocytosis of proteins by salivary gland duct cells. Hand AR, et al. **J Dent Res** 1987 Feb;66(2):412–9

Effect of tri-iodothyronine on protein turnover in rat hepatocyte primary cultures. Gallo G, et al. **J Endocrinol** 1987 May;113(2):173–7

Intracellular proteolytic systems may function as secondary

antioxidant defenses: an hypothesis. Davies KJ. **J Free Radic Biol Med** 1986;2(3):155–73 (130 ref.)

Protein degradation by human intestinal bacteria. Macfarlane GT, et al. **J Gen Microbiol** 1986 Jun;132 (Pt 6):1647–56

Effect of altered membrane structure on NK cell–mediated cytotoxicity. III. Decreased susceptibility to natural killer cytotoxic factor (NKCF) and suppression of NKCF release by membrane rigidification. Roozemond RC, et al. **J Immunol** 1987 Sep 1;139(5):1739–46

Treponema pallidum attachment to surface and matrix proteins of cultured rabbit epithelial cells. Steiner BM, et al. **J Infect Dis** 1987 Apr;155(4):742–8

Lysosomal protein degradation in experimental hyperphenylalaninaemia. Schröter J, et al. **J Inherited Metab Dis** 1986;9(3):273–82

On the rates of enzymatic, protein and model compound reactions: the importance of diffusion control. Dunford HB, et al. **J Inorg Biochem** 1986 Oct–Nov;28(2–3):263–9

Protein cognitive sites on the surface of actin. A proton NMR study. Moir AJ, et al. **J Inorg Biochem** 1986 Oct–Nov; 28(2–3):271–8

Selective binding of colloidal gold–protein conjugates to epidermal phosphorus–rich keratohyaline granules and cornified cells. Jessen H, et al. **J Invest Dermatol** 1986 Dec; 87(6):737–40

Effect of protein depletion and short–term parenteral refeeding on the host response to interleukin 1 administration. Drabik MD, et al. **J Lab Clin Med** 1987 Apr;109(4):509–16

Protein origin of the volatile fatty acids isobutyrate and isovalerate in human stool. Zarling EJ, et al. **J Lab Clin Med** 1987 May;109(5):566–70

Investigation of the antimetastatic effects of agents that inhibit cell adhesion or protein glycosylation. Humphries MJ, et al. **J Natl Med Assoc** 1987 Apr;79(4):411–9 (55 ref.)

An in vivo kinetic model with L–[35S]methionine for the determination of local cerebral rates for methionine incorporation into protein in the rat. Lestage P, et al. **J Neurochem** 1987 Feb;48(2):352–63

Acute effect of ammonia on branched–chain amino acid oxidation and incorporation into proteins in astrocytes and in neurons in primary cultures. Murthy CR, et al. **J Neurochem** 1987 Sep;49(3):735–41

Complex compartmental n of tyrosine sulfate–containing proteins undergoing fast axonal transport. Stone GC, et al. **J Neurochem** 1987 Jun;48(6):1736–44

Octopamine– and cyclic AMP–stimulated phosphorylation of a protein in Limulus ventral and lateral eyes. Edwards SC, et al. **J Neurosci** 1987 Sep;7(9):2811–20

Protein breakdown in the masseter induced by amputation of lower incisor teeth in the rat. Murakami H, et al. **J Nihon Univ Sch Dent** 1986 Dec;28(4):227–31

Effect of bovine growth hormone administration on metabolism of growing Hereford heifers: protein and lipid metabolism and plasma concentrations of metabolites and hormones. Eisemann JH, et al. **J Nutr** 1986 Dec; 116(12):2504–15

Relationships among dietary protein, feed intake and tissue protein turnover in lactating rats. Sainz RD, et al. **J Nutr** 1986 Sep;116(9):1820–9

Response of body protein and energy gain in growing chicks to differences in energy intake and composition of diet. Toyomizu M, et al. **J Nutr** 1986 Sep;116(9):1756–64

Effect of enrichment of infusion solutions with branched chain amino acids in parenteral nutrition of rats. Kikuchi T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):63–73

Nutritional rehabilitation in cystic fibrosis: controlled studies of effects on nutritional growth retardation, body protein turnover, and course of pulmonary disease. Shepherd RW, et al. **J Pediatr** 1986 Nov;109(5):788–94

Enteric protein loss measured by fecal alpha 1–antitrypsin clearance in the assessment of Crohn's disease activity: a study of children and adolescents. Griffiths AM, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):907–11

Injury severity, whole body protein turnover, and energy expenditure in pediatric trauma. Winthrop AL, et al. **J Pediatr Surg** 1987 Jun;22(6):534–7

A sensitive immunochemical assay for acetaminophen–protein adducts. Roberts DW, et al. **J Pharmacol Exp Ther** 1987 May;241(2):527–33

The influence of body temperature and castration on the protein composition of fluid in the rat cauda epididymidis. Esponda P, et al. **J Reprod Fertil** 1986 Nov;78(2):505–14

Changes in protein composition of the luminal fluids along the epididymis of the tammar, Macropus eugenii. Jones RC. **J Reprod Fertil** 1987 May;80(1):193–9

Synovial membrane–cartilage interactions—the role of serine proteinase inhibitors in interleukin–1 mediated degradation of articular damage. Ghosh P, et al. **J Rheumatol** 1987 May; 14 Spec No:122–4

Yeast alpha–factor and somatostatin enhance binding of [3H]estradiol to proteins in rat pancreas and Saccharomyces cerevisiae. Grossman A, et al. **J Steroid Biochem** 1986 Sep;25(3):299–304

Thermal motion of whole protein molecules in protein solids. Morozov VN, et al. **J Theor Biol** 1986 Jul 7;121(1):73–88

Kinetics of protein modification reactions: protein conformational isomerism may imitate adsorptive complex formation. Rakitzis ET. **J Theor Biol** 1986 Sep 21; 122(2):247–9

Failure of nonprotein calories to mediate protein conservation in brain–injured patients. Bivins BA, et al. **J Trauma** 1986 Nov;26(11):980–6

Aggressive nutritional support does not prevent protein loss despite fat gain in septic intensive care patients. Streat SJ, et al. **J Trauma** 1987 Mar;27(3):262–6

Protein loss across burn wounds. Waxman K, et al. **J Trauma** 1987 Feb;27(2):136–40

A kinase able to phosphorylate exogenous protein synthesis initiation factor eIF–2 alpha is present in lysates of mengovirus–infected L cells. Pani A, et al. **J Virol** 1986 Dec;60(3):1012–7

Activation of double–stranded RNA–activated protein kinase in HeLa cells after poliovirus infection does not result in increased phosphorylation of eucaryotic initiation factor–2. Ransone LJ, et al. **J Virol** 1987 Jun;61(6):1781–7

Complete interaction of cellular 56,000– and 32,000–Mr proteins with simian virus 40 small–t antigen in productively infected cells. Rundell K. **J Virol** 1987 Apr; 61(4):1240–3

Urea concentration in collared peccary milk as an indicator of protein nutritional status. Lochmiller RL, et al. **J Wildl Dis** 1987 Jul;23(3):518–20

Albumin lung/heart ratio change. A simple clinical means of documenting increased pulmonary endothelial permeability to protein. Mishkin FS, et al. **JAMA** 1987 Feb 20;257(7):953–6

Net protein catabolic rate after kidney transplantation: impact of corticosteroid immunosuppression. Seagraves A, et al. **JPEN J Parenter Enteral Nutr** 1986 Sep–Oct;10(5):453–5

Lysosomes of the renal cortex: heterogeneity and role in protein handling. Andersen KJ, et al. **Kidney Int** 1987 Apr; 31(4):886–97

Effect of hydrazine sulphate on whole–body protein breakdown measured by 14C–lysine metabolism in lung cancer patients. Tayek JA, et al. **Lancet** 1987 Aug 1; 2(8553):241–4

Bimodal frequency distribution of rat hepatic vitamin K–dependent carboxylation rate. Cocchetto DM, et al. **Life Sci** 1986 Nov 24;39(21):1977–83

Protein turnover in adipose tissue from fasted or diabetic rats. Tischler ME, et al. **Life Sci** 1986 Oct 20;39(16):1447–52

Glucosylceramide and the level of the glucosidase–stimulating proteins. Datta SC, et al. **Lipids** 1986 Nov;21(11):702–9

Stagewise decline in the activity of brain protein synthesis factors and relationship between this decline and longevity in two rodent species. Castañeda M, et al. **Mech Ageing Dev** 1986 Oct;36(2):197–210

Menstrual cycle and exercise effects on protein catabolism. Lamont LS, et al. **Med Sci Sports Exerc** 1987 Apr; 19(2):106–10

Urinary excretion of 3–methylhistidine and creatinine and plasma concentrations of amino acids in hyperthyroid patients following preoperative treatment with antithyroid drug or beta–blocking agent: results from a prospective, randomized study. Adlerberth A, et al. **Metabolism** 1987 Jul;36(7):637–42

Metabolic efficacy of enteral feeding in malnourished cancer and noncancer patients. Dresler CM, et al. **Metabolism** 1987 Jan;36(1):82–8

Catabolic effects of thyroid hormone excess: the contribution of adrenergic activity to hypermetabolism and protein breakdown. Gelfand RA, et al. **Metabolism** 1987 Jun; 36(6):562–9

Enzyme structure. Part L. **Methods Enzymol** 1986;131:1–653

The measurement of cooperative protein self–assembly by turbidity and other techniques. Andreu JM, et al. **Methods Enzymol** 1986;130:47–59

Protein folding: introductory comments. Baldwin RL. **Methods Enzymol** 1986;131:3–4

Quantitative DNase footprint titration: a method for studying protein–DNA interactions. Brenowitz M, et al. **Methods Enzymol** 1986;130:132–81

Structure and interactions of proteins in solution studied by small–angle neutron scattering. Chen SH, et al. **Methods Enzymol** 1986;130:79–116

Disulfide bonds as probes of protein folding pathways. Creighton TE. **Methods Enzymol** 1986;131:83–106

Detection of folding intermediates using urea–gradient electrophoresis. Creighton TE. **Methods Enzymol** 1986; 131:156–72

Internal motion of proteins: nuclear magnetic resonance measurements and dynamic simulations. Dobson CM, et al. **Methods Enzymol** 1986;131:362–89

Recognition and characterization of calmodulin–binding sequences in peptides and proteins. Erickson–Viitanen S, et al. **Methods Enzymol** 1987;139:455–78

Protein conformational dynamics measured by hydrogen isotope exchange techniques. Gregory RB, et al. **Methods Enzymol** 1986;131:448–508

Thermodynamic parameters for protein–protein and protein–ligand interaction by differential scanning microcalorimetry. Hinz HJ. **Methods Enzymol** 1986; 130:59–79

Refolding and association of oligomeric proteins. Jaenicke R, et al. **Methods Enzymol** 1986;131:218–50

Internal dynamics of proteins. Karplus M. **Methods Enzymol** 1986;131:283–307

Amide proton exchange as a probe of protein folding pathways. Kim PS. **Methods Enzymol** 1986;131:136–56

Protein dynamics investigated by neutron diffraction. Kossiakoff AA. **Methods Enzymol** 1986;131:433–47

Folding intermediates studied by circular dichroism. Labhardt AM. **Methods Enzymol** 1986;131:126–35

Fluorescence studies of structural fluctuations in macromolecules as observed by fluorescence spectroscopy in the time, lifetime, and frequency domains. Lakowicz JR. **Methods Enzymol** 1986;131:518–67

Stabilization and destabilization of protein structure by charge interactions. Matthew JB, et al. **Methods Enzymol** 1986;130:437–53

Calculation of electrostatic interactions in proteins. Matthew JB, et al. **Methods Enzymol** 1986;130:413–36

Protein dynamics by solid state nuclear magnetic resonance. Opella SJ. **Methods Enzymol** 1986;131:327–61

Gel overlay methods for detecting specific protein–protein interactions. Otto JJ. **Methods Enzymol** 1986;134:555–60

Mössbauer effect in the study of structure dynamics. Parak F, et al. **Methods Enzymol** 1986;131:568–607

Stopped–flow circular dichroism. Pflumm M, et al. **Methods Enzymol** 1986;130:519–34

Scanning microcalorimetry in studying temperature–induced changes in proteins. Privalov PL, et al. **Methods Enzymol** 1986;131:4–51

Study of protein dynamics by X–ray diffraction. Ringe D, et al. **Methods Enzymol** 1986;131:389–433

Individual breathing reactions measured by functional labeling and hydrogen exchange methods. Rogero JR, et al. **Methods Enzymol** 1986;131:508–17

Fast–folding and slow–folding forms of unfolded proteins. Schmid FX. **Methods Enzymol** 1986;131:70–82

Calmodulin as an activator and a substrate of methyltransferase enzymes. Siegel FL, et al. **Methods Enzymol** 1987;139:667–77

Kinetic mechanisms of protein folding. Utiyama H, et al. **Methods Enzymol** 1986;131:51–70

Observation of internal motility of proteins by nuclear magnetic resonance in solution. Wagner G, et al. **Methods Enzymol** 1986;131:307–26

Resonance Raman studies of ligand binding. Yu NT. **Methods Enzymol** 1986;130:350–409

Concentration dependence of protein permeability across the canine visceral pleura. Kinasewitz GT, et al. **Microvasc Res** 1987 Jan;33(1):35–49

Surface proteins and antigens of adult Schistosoma mansoni tegumental membranes detached onto poly–lysine coated beads. Payares G, et al. **Mol Biochem Parasitol** 1987 Mar; 23(2):129–37

Resistance of nematode secretory products to cleavage by mast cell proteinases. Qureshi F, et al. **Mol Biochem Parasitol** 1987 Jun;24(2):137–45

The effect of insulinomimetic agents on protein degradation in H35 hepatoma cells. Helm BA, et al. **Mol Cell Biochem** 1986 Aug;71(2):159–66

Sulfate suicide selection of Dictyostelium discoideum mutants defective in protein glycosylation. Boose JA, et al. **Mol Cell Biol** 1986 Aug;6(8):2820–7

Translational control mediated by eucaryotic initiation factor–2 is restricted to specific mRNAs in transfected cells. Kaufman RJ, et al. **Mol Cell Biol** 1987 Apr;7(4):1568–71

Quantitation of a 55K cellular protein: similar amount and instability in normal and malignant mouse cells. Mora PT, et al. **Mol Cell Biol** 1982 Jul;2(7):763–71

The alpha subunit of initiation factor 2 is phosphorylated in vivo in the yeast Saccharomyces cerevisiae. Romero DP, et al. **Mol Cell Biol** 1986 Apr;6(4):1044–9

Multiple proteins bind to VA RNA genes of adenovirus type 2. Van Dyke MW, et al. **Mol Cell Biol** 1987 Mar; 7(3):1021–31

Endogenous substrates of protein kinase C in experimentally induced and regressed rat thyroid goitres. Omri B, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):105–10

Role of arginine–tRNA in protein degradation by the ubiquitin pathway. Ferber S, et al. **Nature** 1987 Apr 23–29; 326(6115):808–11

Possible role for fatty acyl–coenzyme A in intracellular protein transport. Glick BS, et al. **Nature** 1987 Mar 19–25; 326(6110):309–12

Protein transport. From organelle to organelle [news] Kelly RB. **Nature** 1987 Mar 5–11;326(6108):14–5

Signal recognition. Two receptors act sequentially [news] Walter P. **Nature** 1987 Aug 27–Sep 2;328(6133):763–4

Protein transport. Signals and salvage sequences [news] Warren G. **Nature** 1987 May 7–13;327(6117):17–8

Induction of sequence–specific binding of Drosophila heat shock activator protein without protein synthesis. Zimarino V, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):727–30

The effects of A23187 and phorbol ester on the phosphorylation of proteins in rat anterior pituitary cells. Hatada Y, et al. **Neurosci Res** 1986 Nov;4(1):25–36

Phosphorylation and dephosphorylation of chromaffin cell proteins in response to stimulation. Côté A, et al. **Neuroscience** 1986 Oct;19(2):629–45

Selection of template initiation sites and the lengths of RNA primers synthesized by DNA primase are strongly affected by its organization in a multiprotein DNA polymerase alpha complex. Vishwanatha JK, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7305–23

Microalbuminuria and normal protein filtration in the kidney. Shand B. **NZ Med J** 1987 Feb 25;100(818):108–10

Intestinal absorption of macromolecules during viral enteritis: an experimental study on rotavirus–infected conventional and germ–free mice. Heyman M, et al. **Pediatr Res** 1987 Jul;22(1):72–8

Protein turnover in tissues of the rat fetus following maternal

starvation. Johnson JD, et al. **Pediatr Res** 1986 Dec; 20(12):1252–7

Changes in the protein complement following UV irradiation and their photoreversal in sea urchin (Hemicentrotus pulcherrimus) embryos. Akimoto Y, et al. **Photochem Photobiol** 1987 Jun;45(6):809–14

Changes in the protein spectrum of the chick embryo mesonephros and metanephros in the course of development. Friebová-Zemanová Z, et al. **Physiol Bohemoslov** 1987;36(2):125–34

Insulin-activated tyrosine phosphorylation of a 15-kilodalton protein in intact 3T3-L1 adipocytes. Bernier M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1844–8

Identification and synthesis of a recognition signal for the attachment of glycosaminoglycans to proteins. Bourdon MA, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3194–8

"Footprint" titrations yield valid thermodynamic isotherms. Brenowitz M, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8462–6

Insulin rapidly stimulates phosphorylation of a 46-kDa membrane protein on tyrosine residues as well as phosphorylation of several soluble proteins in intact fat cells. Hüring HU, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):113–7

Conversion of isoaspartyl peptides to normal peptides: implications for the cellular repair of damaged proteins. McFadden PN, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2595–9

Disulfide bonds and the translocation of proteins across membranes. Maher PA, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9001–5

Thioredoxin-catalyzed refolding of disulfide-containing proteins. Pigiet VP, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7643–7

On the transfer of integral proteins into membranes. Singer SJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1960–4

On the translocation of proteins across membranes. Singer SJ, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1015–9

Cyclic nucleotides and protein phosphorylation in mouse mammary glands: effects of estrogen and progesterone administered in vivo. Sheffield LG, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):283–90

The modelling of electrostatic interactions in the function of globular proteins. Rogers NK. **Prog Biophys Mol Biol** 1986;48(1):37–66 (224 ref.)

The ubiquitin pathway for the degradation of intracellular proteins. Hershko A, et al. **Prog Nucleic Acid Res Mol Biol** 1986;33:19–56, 301 (136 ref.)

Reactions of electron-transfer proteins at electrodes. Armstrong FA, et al. **Q Rev Biophys** 1985 Aug; 18(3):261–322 (124 ref.)

Microwaves and the cell membrane. III. Protein shedding is oxygen and temperature dependent: evidence for cation bridge involvement. Liburdy RP, et al. **Radiat Res** 1987 Mar;109(3):382–95

The induction of DNA-protein crosslinks in hypoxic cells and their possible contribution to cell lethality. Meyn RE, et al. **Radiat Res** 1987 Mar;109(3):419–29

Single nephron hyperfiltration and proteinuria in a newly selected rat strain with superficial glomeruli. Rovira-Halbach G, et al. **Renal Physiol** 1986;9(6):317–25

Ischemia modifies protein distribution in gerbil brain subcellular fractions. Pylova SI, et al. **Resuscitation** 1986 Jul;13(4):265–73

Electron tunneling paths in proteins. Kuki A, et al. **Science** 1987 Jun 26;236(4809):1647–52

Amino acid sequences common to rapidly degraded proteins: the PEST hypothesis. Rogers S, et al. **Science** 1986 Oct 17;234(4774):364–8

Mobilisation of structural proteins during exercise. Viru A. **Sports Med** 1987 Mar-Apr;4(2):95–128 (341 ref.)

Cancer and protein metabolism. Kurzer M, et al. **Surg Clin North Am** 1986 Oct;66(5):969–1001 (146 ref.)

Body protein kinetics during perioperative intravenous nutritional support. Lowry SF, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):303–9

Evidence for a special relationship between proteolysis and single cell necrosis. Amenta JS, et al. **Toxicol Pathol** 1986; 14(3):335–41

Endogenous formaldehyde does not produce detectable DNA-protein crosslinks in rat liver. Lutz WK. **Toxicol Pathol** 1986;14(4):462–5

Comparative studies on protein turnover regulations in tumor cells and host tissues: development and analysis of an experimental model. Tessitore L, et al. **Toxicol Pathol** 1986; 14(4):451–6 (58 ref.)

Some aspects of in vivo human protein and amino acid metabolism, with particular reference to nutritional modulation. Young VR, et al. **Verh Dtsch Ges Inn Med** 1986;92:640–65

Proteins are cointernalized with virion particles during early infection. Otero MJ, et al. **Virology** 1987 Sep;160(1):75–80

Enzymology of protein methylation. Paik WK, et al. **Yonsei Med J** 1986;27(3):159–77 (129 ref.)

[Whole-body protein turnover and plasma glycine kinetics in chronic renal failure before and after treatment with essential amino acids] Jiang J. **Chung Hua I Hsueh Tsa Chih** 1987 Mar;67(3):147–9 **(Chi)**

[Effect of thyroidectomy and thyroid hormone replacement therapy on tissue protein turnover in rats] He XJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):313–6 (Eng. Abstr.) **(Chi)**

[Pharmacological study on the effect of herba Pimpinella thellugiana on the metabolism of animal proteins] Wei DQ. **Chung Yao Tung Pao** 1986 Sep;11(9):53–4 **(Chi)**

[Regular monitoring of the levels of protein catabolism and phenols in chronic renal insufficiency] Erben J, et al. **Cas Lek Cesk** 1986 Aug 22;125(34):1060–4 (Eng. Abstr.) **(Cze)**

[Effects of acute or chronic administration of desmethylimipramine on the local level of methionine incorporation in cerebral proteins in freely moving rats] Rossatto C, et al. **C R Acad Sci [III]** 1986;303(20):761–4 (Eng. Abstr.) **(Fre)**

[Effect of the antibiotic nourseothricin on feeding, weight gain and feed utilization in piglets and fattening pigs and energy and protein deposition in fattening pigs] Lüdke H, et al. **Arch Exp Veterinarmed** 1986 Sep;40(5):754–68 (Eng. Abstr.) **(Ger)**

[Protein metabolism and lipid balance in dietary treatment of acute enteritis in infants with a defined standardized oligopeptide diet] Heine W, et al. **Monatsschr Kinderheilkd** 1987 Feb;135(2):99–102 (Eng. Abstr.) **(Ger)**

[Protein and amino acid metabolism in liver failure—therapeutic infusion and dietary sequelae] Holm E, et al. **Verh Dtsch Ges Inn Med** 1986;92:685–737 **(Ger)**

[Effect of leupeptin on protein uptake and the degradation of the visceral yolk sac epithelium of the rat] Kugler P, et al. **Z Mikrosk Anat Forsch** 1987;101(1):39–49 (Eng. Abstr.) **(Ger)**

[Non-enzymatic glycosylation of proteins] Lapolla A, et al. **Minerva Endocrinol** 1986 Jul-Sep;11(3):191–204 (177 ref.) (Eng. Abstr.) **(Ita)**

[Clinical study of protein and amino acids metabolism in surgical infection—significance of administration of branched chain amino acids] Shimazu Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1275–83 (Eng. Abstr.) **(Jpn)**

[Is protein turnover a futile cycle?] Funabiki R. **Seikagaku** 1986 Sep;58(9):1150–6 **(Jpn)**

[Biochemistry of Sarcophaga peregrina (flesh fly)] Natori S. **Seikagaku** 1986 Oct;58(10):1300–4 (15 ref.) **(Jpn)**

[Protein phosphorylation reactions: regulation of cellular proliferation] **Tanpakushitsu Kakusan Koso** 1986 Dec;31(16 Suppl):1951–2065 **(Jpn)**

[Transmission of cellular information and protein phosphorylation reactions] **Tanpakushitsu Kakusan Koso** 1986 Dec;31(16 Suppl):1685–2065 **(Jpn)**

[Protein phosphorylation reactions: conjugation of the excitation reaction] **Tanpakushitsu Kakusan Koso** 1986 Dec; 31(16 Suppl):1818–950 **(Jpn)**

[Can a protein data bank help to define the binding site of proteolytic enzyme?] Keil B, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):11–21 **(Jpn)**

[Effect of ethanol and acetaldehyde on the release and activity of proteases and protein degradation in the rat liver (in vitro and in vivo studies)] Skrzydlewska E. **Folia Med Cracov** 1987;28(1–2):205–14 (Eng. Abstr.) **(Pol)**

[Tumor markers in hepatic cancer] Stanciu L. **Rev Med Interna [Med Interna]** 1987 Jan-Mar;39(1):81–9 **(Rum)**

[Effect of glucocorticoids on the endocrine system of the pancreas of the pigeon and rat after a food load] Poliakova TI, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):27–32 (Eng. Abstr.) **(Rus)**

[Detection of cationic proteins and peroxidase in semithin sections] Pigarevskiĭ VE, et al. **Arkh Patol** 1986;48(8):77–80 (Eng. Abstr.) **(Rus)**

[Characteristics of intracellular metabolism of procollagen and other proteins in human embryo fibroblasts in trisomy for chromosome 7] Podobed OV, et al. **Biokhimiia** 1987 Jan;52(1):82–8 (Eng. Abstr.) **(Rus)**

[Changes in the protein level in rat hippocampal neurons during development of the alimentary conditioned reflex under normal conditions and after treatment with iproniazid] Segal OL, et al. **Biol Nauki** 1987;(4):55–60 (Eng. Abstr.) **(Rus)**

[Experimental study of the initial stages of protein assimilation in late ontogenesis] Nikolaevskaia VR, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):141–3 **(Rus)**

[Effect of alcohol on the calcium and protein content of the subcellular fractions of the human myocardium] Sopka NV, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):107–12 (Eng. Abstr.) **(Rus)**

[Reflection of changes in serotonin synthesis on transcapillary protein exchange and lymph formation] Ainson KhKh, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1319–23 (Eng. Abstr.) **(Rus)**

[Intragastric proteolysis and acid production in duodenal ulcer after vagotomy and gastric resection] Nikonenko AS, et al. **Klin Khir** 1986;(8):22–4 (Eng. Abstr.) **(Rus)**

[Inclusion of amino acids into gastric mucosa proteins in patients with chronic gastritis] Rapoport SI, et al. **Klin Med (Mosk)** 1987 Jun;65(6):64–7 **(Rus)**

[Whole-body radiometric study of protein and lipid metabolism in thyroid pathology] Gorobets VF, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):37–42 (Eng. Abstr.) **(Rus)**

[Circahoral rhythms of quantitative protein change—a marker of the morphological maturity and functional activity of the retina] Fel'dman BV. **Ontogenez** 1987 Mar-Apr;18(2):212–5 (Eng. Abstr.) **(Rus)**

[Effect of starvation on the intensity of proteolysis and amidation of proteins in tissues of rats of different ages] Krichevskaia AA, et al. **Vopr Med Khim** 1987 May-Jun; 33(3):45–9 (Eng. Abstr.) **(Rus)**

[Effect of sodium selenite, vitamin E and retabolil alone and in combination on certain parameters of protein metabolism in experimentally hypotrophic rats of different ages] Mazgutov VZ. **Vopr Pitan** 1987 Mar-Apr;(2):38–41 (Eng. Abstr.) **(Rus)**

[Effect of a carbohydrate-free diet on changes in lipid and proteins levels in rat tissues] Virovets OA, et al. **Vopr Pitan** 1986 Sep-Oct;(5):41–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Heterogeneity in late-onset metachromatic leukodystrophy. Effect of inhibitors of cysteine proteinases. von Figura K, et al. **Am J Hum Genet** 1986 Sep;39(3):371–82

Effect of protein on glomerular filtration rate and prostanoid synthesis in normal and uremic rats. Levine MM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F635–41

Inhibition of myosin light-chain kinase activity in the organ of Corti by 0.3–5 kilodalton substances of the otosclerotic perilymph. Sziklai I, et al. **Arch Otorhinolaryngol** 1986; 243(4):229–32

Synthesis of hemopexin and cysteine protease inhibitor is coordinately regulated by HSF-II and interferon-beta 2 in rat hepatoma cells. Baumann H, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1218–28

Assembly of Acanthamoeba actin in the presence of Acanthamoeba profilin measured by fluorescence photobleaching recovery. Plank L, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):308–12

A factor in conditioned medium of rabbit costal chondrocytes inhibits the proliferation of cultured endothelial cells and angiogenesis induced by B16 melanoma: its relation with cartilage-derived anti-tumor factor (CATF). Takigawa M, et al. **Biochem Int** 1987 Feb;14(2):357–63

Effect of hepatocyte-stimulating factor and glucocorticoids on plasma fibronectin levels. Amrani DL, et al. **Biochem J** 1986 Sep 1;238(2):365–71

Influence of elastin on the inhibition of leucocyte elastase by alpha 1-proteinase inhibitor and bronchial inhibitor. Potent inhibition of elastin-bound elastase by bronchial inhibitor. Bruch M, et al. **Biochem J** 1986 Aug 15; 238(1):269–73

Kinase activator protein mediates longer-term effects of starvation on activity of pyruvate dehydrogenase kinase in rat liver mitochondria. Denyer GS, et al. **Biochem J** 1986 Oct 15;239(2):347–54

Cationic activation of galactosyltransferase from rat mammary Golgi membranes by polyamines and by basic peptides and proteins. Navaratnam N, et al. **Biochem J** 1986 Oct 15;239(2):423–33

Enzymatic hydrolysis of haloperidol decanoate and its inhibition by proteins. Nambu K, et al. **Biochem Pharmacol** 1987 May 15;36(10):1715–22

Lysis of malarial parasites and erythrocytes by ferriprotoporphyrin IX-chloroquine and the inhibition of this effect by proteins. Zhang Y, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1267–73

Eukaryotic initiation factor 2 from rat liver: no apparent function for the beta-subunit in the formation of initiation complexes [published errata appear in Biochim Biophys Acta 1987 Jan 28;908(1):107 and 1987 Feb 27;908(2):201] Colthurst DR, et al. **Biochim Biophys Acta** 1986 Oct 16; 868(1):77–86

Interleukin-1-like factor (mononuclear cell factor) modulates proteoglycan synthesis in cultured human synovial cells. Langris M, et al. **Biochim Biophys Acta** 1987 Jan 19; 927(1):34–42

Interaction of Eglin c with polymorphonuclear cells: evidence for binding to the cell surface. Braun NJ, et al. **Biol Chem Hoppe Seyler** 1987 Feb;368(2):155–61

Kinetic studies on the interaction of eglin c with human leukocyte elastase and cathepsin G. Braun NJ, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):299–308

Inhibition of mast cell chymase by eglin c and antileukoprotease (HUSI-I). Indications for potential biological functions of these inhibitors. Fink E, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):567–71

The humoral regulation of megakaryocytopoiesis and platelet production in vivo. Kuriya S, et al. **Blood Cells** 1986; 12(1):233–47

Effect of ethane-1-hydroxy-1,1-diphosphonate on ectopic bone formation induced by murine osteosarcoma-derived bone-inducing substance. Nakahara H, et al. **Bone** 1986; 7(3):229–33

Effect of recombinant monokines, lymphokines, and other agents on clonal proliferation of human lung cancer cell lines. Munker M, et al. **Cancer Res** 1987 Aug 1; 47(15):4081–5

Inhibition of human lymphocyte transformation by a low molecular weight seminal factor. Lugaro G, et al. **Cell Biol Int Rep** 1987 Jun;11(6):497

Active target cell processes, possibly involving receptor-mediated endocytosis, are critical for expression of cytotoxicity by natural killer cell-derived cytolytic factor. Deem RL, et al. **Cell Immunol** 1986 Oct 1;

102(1):187–97

Studies on biological activities of melanin from marine animals. V. Anti-inflammatory activity of low-molecular-weight melanoprotein from squid (Fr. SM II). Mimura T, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar; 35(3):1144–50

Bovine bone morphogenetic protein (bBMP) fraction-induced repair of craniotomy defects in the rhesus monkey (Macaca speciosa). Ferguson D, et al. **Clin Orthop** 1987 Jun;(219):251–8

Chondroosteogenetic response to crude bone matrix proteins bound to hydroxyapatite. Kawamura M, et al. **Clin Orthop** 1987 Apr;(217):281–92

Effect of bone marrow mononuclear phagocytes on the bone matrix-induced bone formation in rats. Sakata H, et al. **Clin Orthop** 1987 Jul;(220):253–8

Bone regeneration under the influence of a bone morphogenetic protein (BMP) beta tricalcium phosphate (TCP) composite in skull trephine defects in dogs. Urist MR, et al. **Clin Orthop** 1987 Jan;(214):295–304

Differential effects of cartilage-derived growth factor stimulation of collagen secretion by bovine aortic and microvascular endothelial cells. Nichols WK, et al. **Coll Relat Res** 1987 Feb;6(6):505–14

Mussel adhesive protein: permeability characteristics when used as a basement membrane. Green K, et al. **Curr Eye Res** 1987 Jun;6(6):835–8

Liver tissue produces a potent lactogen that partially mimics the actions of prolactin. Hoeffler JP, et al. **Endocrinology** 1987 Apr;120(4):1679–81

A comparison of eosinophil-activating factor (EAF) with other monokines and lymphokines. Thorne KJ, et al. **Eur J Immunol** 1986 Sep;16(9):1143–9

A brief review of the biochemistry and pharmacology of Eglin c, an elastase inhibitor. Braun NJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:541–7 (25 ref.)

Effects of megakaryocyte colony-stimulating factor on terminal cytoplasmic maturation of human megakaryocytes. Straneva JE, et al. **Exp Hematol** 1987 Jul; 15(6):657–63

Mechanism of translational initiation in prokaryotes. Evidence for a direct effect of IF2 on the activity of the 30 S ribosomal subunit. Canonaco MA, et al. **FEBS Lett** 1986 Oct 27;207(2):198–204

The effect of the natural protein inhibitor on H+-ATPase hepatoma 22a mitochondria. Chernyak BV, et al. **FEBS Lett** 1987 May 11;215(2):300–4

A novel 40,000 Da Ca2+-dependent actin modulator from bovine brain. Hurny AC, et al. **FEBS Lett** 1986 Sep 29; 206(1):78–82

Membrane capacity measurements suggest a calcium-dependent insertion of synexin into phosphatidylserine bilayers. Rojas E, et al. **FEBS Lett** 1987 Jun 8;217(1):25–31

Effects of soluble products of activated lymphocytes and macrophages (lymphokines and monokines) on human sperm motion parameters. Hill JA, et al. **Fertil Steril** 1987 Mar;47(3):460–5

Distinct sets of acute phase plasma proteins are stimulated by separate human hepatocyte-stimulating factors and monokines in rat hepatoma cells. Baumann H, et al. **J Biol Chem** 1987 Jul 15;262(20):9756–68

Protein phosphatase type-1 and type-2 catalytic subunits both bind inhibitor-2 and monoclonal immunoglobulins. Brautigan DL, et al. **J Biol Chem** 1986 Nov 15; 261(32):14924–8

A hepatic fibrogenic factor stimulates the synthesis of types I, III, and V procollagens in cultured cells. Choe I, et al. **J Biol Chem** 1987 Apr 15;262(11):5408–13

In vitro stimulation of megakaryocyte maturation by megakaryocyte stimulatory factor. Greenberg SM, et al. **J Biol Chem** 1987 Mar 5;262(7):3269–77

Platelet-activating factor stimulation of rabbit platelets is blocked by serine protease inhibitor (chymotryptic protease inhibitor). Sugatani J, et al. **J Biol Chem** 1987 Apr 25; 262(12):5740–7

16th annual UCLA symposium. Abstracts: The pharmacology and toxicology of proteins. **J Cell Biochem [Suppl]** 1987;11B:171–93

Skin-derived fibroblasts respond to human parathyroid hormone-like adenylate cyclase-stimulating proteins. Wu TL, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):105–9

In vitro modulation of T6 expression on gingival Langerhans cells by interleukin-1 inhibitors and ETAF. Walsh LJ, et al. **J Dent Res** 1987 Mar;66(3):766–9

Histidine-rich glycoprotein inhibits the antiproliferative effect of heparin on smooth muscle cells. Hajjar DP, et al. **J Exp Med** 1987 Mar 1;165(3):908–13

Augmentation of IL 1-induced fibroblast PGE2 production by a urine-derived IL 1 inhibitor. Korn JH, et al. **J Immunol** 1987 May 15;138(10):3290–4

A urine inhibitor of interleukin 1 activity that blocks ligand binding. Seckinger P, et al. **J Immunol** 1987 Sep 1; 139(5):1546–9

Contrasting in vitro effects of retinol and mononuclear cell factor on young and old human cartilage. Huber-Bruning O, et al. **J Pathol** 1986 Sep;150(1):21–7

In vitro evaluation of extracts of mineralized tissues for their application in attachment of fibrous tissue. Somerman MJ, et al. **J Periodontol** 1987 May;58(5):349–51

Contrasting reactivity of young and old human cartilage to mononuclear cell factors [letter] Huber-Bruning O, et al. **J Rheumatol** 1986 Dec;13(6):1191–2

Quantitative fluorescent microassay for identification of antiproliferative compounds. Saiki I, et al. **JNCI** 1986 Dec; 77(6):1235–40

Interleukin-1 (IL-1) depresses cytochrome P450 levels and activities in mice. Shedlofsky SI, et al. **Life Sci** 1987 Jun 15;40(24):2331–6

Scatter factor is a fibroblast-derived modulator of epithelial cell mobility. Stoker M, et al. **Nature** 1987 May 21–27; 327(6119):239–42

A serine protease activity in C3H/10T1/2 cells that is inhibited by anticarcinogenic protease inhibitors. Billings PC, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4801–5

Test of embryonic inducing factors: advantages and disadvantages of different procedures. Tiedemann H. **Prog Clin Biol Res** 1986;226:25–34 (20 ref.)

Effects of urinastatin on cardiac energy metabolism in acute hemorrhage in rats. Kashimoto S, et al. **Resuscitation** 1986 Dec;14(4):193–7

Mechanism of anticoagulant action by protein inhibitors from bovine testes and salmon sperm. Gibbs A, et al. **Thromb Res** 1987 Aug 1;47(3):353–63

Ultrastructure of the islets of Langerhans after long-term occlusion of the pancreatic duct system. Lauer E, et al. **Z Gastroenterol** 1986 Nov;24(11):700–8

[Effects of urinastatin on an energy metabolism disorder during shock] Sato M, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):195–203 (Eng. Abstr.) **(Jpn)**

[Effect of preparations from the vitreous body having anti-angiogenic properties on the metastatic spread of Lewis lung carcinoma] Sopotsinskaia EB, et al. **Eksp Onkol** 1987;9(2):55–7 (Eng. Abstr.) **(Rus)**

[Organization of stress fibrils in cultured fibroblasts studied by using an actin filament-fragmenting protein] Verkhovskii AB, et al. **Tsitologiia** 1987 Jun;29(6):678–83 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Molecular and cellular aspects of reproduction. Proceedings of a workshop. October 20–21, 1985, Bethesda, Maryland. **Adv Exp Med Biol** 1986;205:1–381

Synexin and chromaffin granule membrane fusion. A novel "hydrophobic bridge" hypothesis for the driving and directing of the fusion process. Pollard HB, et al. **Ann NY Acad Sci** 1987;493:524–41

Using recombinant DNA techniques to study protein targeting in the eucaryotic cell. Garoff H. **Annu Rev Cell Biol** 1985;1:403–45 (233 ref.)

Regulation of the mitochondrial ATP synthase/ATPase complex. Schwerzmann K, et al. **Arch Biochem Biophys** 1986 Oct;250(1):1–18 (104 ref.)

Role of protein and calcium in stratum corneum cell cohesion. Bissett DL, et al. **Arch Dermatol Res** 1987; 279(3):184–9

Effect of mononuclear cell factors on calcium transport in sarcoplasmic reticulum vesicles. Kalovidouris AE. **Biochem Med Metab Biol** 1986 Oct;36(2):162–71

Purification of lysosomal phospholipase A and demonstration of proteins that inhibit phospholipase A in a lysosomal fraction from rat kidney cortex. Hostetler KY, et al. **Biochemistry** 1986 Oct 21;25(21):6456–61

Modulation by cytosol and commercial proteins of acid-active phospholipase A2 from adrenal medulla. Bartolf M, et al. **Biochim Biophys Acta** 1987 Feb 14; 917(2):308–17

Antifertility factors of mammalian seminal fluid. Shivaji S, et al. **Bioessays** 1987 Jul;7(1):13–7 (32 ref.)

The role of the cytosolic fraction and of initiation factor eIF-2 for changes of the rate of protein synthesis during liver regeneration. Bommer UA, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):445–50

A killing defect of natural killer cells with the absence of natural killer cytotoxic factors in a child with Hodgkin's disease. Komiyama A, et al. **Blood** 1987 Jun;69(6):1686–90

Vasocortin: a novel glucocorticoid-induced anti-inflammatory protein. Carnuccio R, et al. **Br J Pharmacol** 1987 Mar;90(3):443–5

Chemotaxis of muscle-derived mesenchymal cells to bone-inductive proteins of rat. Landesman R, et al. **Calcif Tissue Int** 1986 Oct;39(4):259–62

The K.G. McKenzie award lecture—1986. Effects of extracellular matrix proteins on the growth and differentiation of an anaplastic glioma cell line. Rutka JT. **Can J Neurol Sci** 1986 Nov;13(4):301–6

Molecules involved in proliferation of normal and cancer cells: presidential address. Pardee AB. **Cancer Res** 1987 Mar 15;47(6):1488–91 (28 ref.)

Tenascin: an extracellular matrix protein involved in tissue interactions during fetal development and oncogenesis. Chiquet-Ehrismann R, et al. **Cell** 1986 Oct 10;47(1):131–9

Cytostatic peptide isolation from culture media of mouse peritoneal exudate cells. Csuka I, et al. **Cell Immunol** 1987 Sep;108(2):425–37

Factors affecting epithelial interactions. Stoker M, et al. **Ciba Found Symp** 1987;125:217–39

The acute phase response to inflammation: the role of monokines in changes in liver glycoproteins and enzymes of glycoprotein metabolism. Jamieson JC, et al. **Comp Biochem Physiol [B]** 1987;87(1):11–5 (48 ref.)

Characterization of heart cytosolic proteins capable of modulating calcium uptake by the sarcoplasmic reticulum. 2. Identification of actin isoforms with inhibitory activity. Chiesi M, et al. **Eur J Biochem** 1987 Jan 15;162(2):371–7

Characterization of heart cytosolic proteins capable of modulating calcium uptake by the sarcoplasmic reticulum. 1. Isolation of a protein with protective activity and its identification as muscle albumin. Chiesi M, et al. **Eur J Biochem** 1987 Jan 15;162(2):365–70

Discrimination of hepatocyte-stimulating activity from human recombinant tumor necrosis factor alpha. Andus T, et al. **Eur J Immunol** 1987 Aug;17(8):1193–7

Regulation of protein synthesis in rabbit reticulocyte lysates. Thiophosphorylation of initiation factor eIF-2 by heme-regulated protein kinase. Ranu RS. **FEBS Lett** 1986 Nov 10;208(1):117–22

N-terminal methylation of proteins: structure, function and specificity. Stock A, et al. **FEBS Lett** 1987 Aug 10; 220(1):8–14 (44 ref.)

The effect of protein supplementation on single-cell mouse embryos in vitro. Ogawa T, et al. **Fertil Steril** 1987 Jan; 47(1):156–61

The thyroxine-stimulating activity is only present in the glycoprotein and not in the protein fraction of a carp hypophyseal homogenate. Kühn ER, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):321–7

Diuresis of cirrhotic ascites increases its opsonic activity and may help prevent spontaneous bacterial peritonitis [letter] Monarca A, et al. **Hepatology** 1987 Jan-Feb;7(1):205–6

Further characterization of a muscle factor which activates hepatic branched-chain ketoacid dehydrogenase. Petroski CJ, et al. **Int J Biochem** 1986;18(11):979–83

Excitons and solitons in molecular systems. Davydov AS. **Int Rev Cytol** 1987;106:183–225 (92 ref.)

Induction of fibrinogen and a subset of acute phase response genes involves a novel monokine which is mimicked by phorbol esters. Evans E, et al. **J Biol Chem** 1987 Aug 5; 262(22):10850–4

Role of the aggregation factor in the regulation of phosphoinositide metabolism in sponges. Possible consequences on calcium efflux and on mitogenesis. Müller WE, et al. **J Biol Chem** 1987 Jul 15;262(20):9850–8

Histidine-rich glycoprotein modulation of the anticoagulant activity of heparin. Evidence for a mechanism involving competition with both antithrombin and thrombin for heparin binding. Peterson CB, et al. **J Biol Chem** 1987 Jun 5;262(16):7567–74

Factors affecting the reactivation of the oligomycin-sensitive adenosine 5'-triphosphatase and the release of ATPase inhibitor protein during the re-energization of intact mitochondria from ischemic cardiac muscle. Rouslin W. **J Biol Chem** 1987 Mar 15;262(8):3472–6

Seminal vesicle-secreted proteins and their reactions during gelation and liquefaction of human semen. Lilja H, et al. **J Clin Invest** 1987 Aug;80(2):281–5

A monocyte-aggregating factor in the sera of patients with sarcoidosis. Baba T, et al. **J Dermatol (Tokyo)** 1986 Aug; 13(4):270–9

Monokines regulate glycosylation of acute-phase proteins. Mackiewicz A, et al. **J Exp Med** 1987 Jul 1;166(1):253–8

Identification of a prominent nuclear protein associated with proliferation of normal and malignant B cells. Feuerstein N, et al. **J Immunol** 1987 Sep 15;139(6):1818–22

Analysis of cytostatic/cytotoxic lymphokines: relationship of natural killer cytotoxic factor to recombinant lymphotoxin, recombinant tumor necrosis factor, and leukoregulin. Ortaldo JR, et al. **J Immunol** 1986 Nov 1;137(9):2857–63

Studies on the mechanism of natural killer cell-mediated cytotoxicity. VII. functional comparison of human natural killer cytotoxic factors with recombinant lymphotoxin and tumor necrosis factor. Wright SC, et al. **J Immunol** 1987 Mar 15;138(6):1791–8

Quantitative studies of human monokine-induced endothelial cell elongation. FitzGerald OM, et al. **J Leukocyte Biol** 1987 May;41(5):421–8

Factors secreted by untreated and hydrocortisone-treated monocytes that modulate neutrophil function. Frank DE, et al. **J Leukocyte Biol** 1986 Dec;40(6):693–707

Monokines mediate decreased hepatic glucocorticoid binding in endotoxemia. Hill MR, et al. **J Leukocyte Biol** 1987 Mar; 41(3):236–41

Restriction of translation of capped mRNA in vitro as a model for poliovirus-induced inhibition of host cell protein synthesis: relationship to p220 cleavage. Lloyd RE, et al. **J Virol** 1987 Aug;61(8):2480–8

Monokine mediated release of intracellular iron in tumor target cells in vitro. Klostergaard J. **Lymphokine Res** 1987 Winter;6(1):19–28

Proteins as molecular chaperones [news] Ellis J. **Nature** 1987 Jul 30–Aug 5;328(6129):378–9

Effect of endotoxin-induced monokines on glucose metabolism in the muscle cell line L6. Lee MD, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2590–4

Informative molecules and induction in early embryogenesis. Janeczek J, et al. **Prog Clin Biol Res** 1986;226:11–24 (37 ref.)

Human polymorphonuclear leukocytes contain synexin, a calcium-binding protein that mediates membrane fusion. Ernst JD, et al. **Trans Assoc Am Physicians** 1986;99:58–66

[Extra-hepatic effect of monokines and other substances. Metabolic response to inflammation] Kawakami M, et al. **Nippon Rinsho** 1987 May;45(5):988–94 (22 ref.) **(Jpn)**

[Production of acute phase proteins in the liver. Interleukin 1 and the hepatocyte stimulating factor] Matsumoto M, et al. **Nippon Rinsho** 1987 May;45(5):1032–9 (20 ref.) **(Jpn)**

[Extra-hepatic effect of monokines and other substances. Interleukin 1 and immune system] Takahashi T, et al. **Nippon Rinsho** 1987 May;45(5):978–87 (67 ref.) **(Jpn)**

[Role of short-range acting protein factors in regulating osteogenesis in normal states and in pathology] Sumarokov DD, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):78–80 **(Rus)**

[Total protein content of cells as a factor regulating their proliferation] Magakian IuA, et al. **Tsitologiia** 1987 Apr; 29(4):465–71 (Eng. Abstr.) **(Rus)**

[Effect of the high molecular weight fraction of non-collagenous bone tissue protein on osteogenesis and hematopoiesis in experimental elongation of an extremity] Desiatnichenko KA, et al. **Vopr Med Khim** 1987 Jan–Feb; 33(1):79–84 (Eng. Abstr.) **(Rus)**

[Origin and evolution of peptide-protein bioregulators] Chipens GI, et al. **Zh Evol Biokhim Fiziol** 1987 May–Jun; 23(3):361–72 (41 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Molecular-size standards for use in radiation-inactivation studies on proteins. Nugent JH. **Biochem J** 1986 Oct 15; 239(2):459–62

Hoechst 33258 dye generates DNA–protein cross-links during ultraviolet light-induced photolysis of bromodeoxyuridine in replicated and repaired DNA. Guo XC, et al. **Photochem Photobiol** 1986 Aug;44(2):131–6

DNA–protein crosslinking in normal human skin fibroblasts exposed to solar ultraviolet wavelengths. Lai LW, et al. **Photochem Photobiol** 1987 Jul;46(1):143–6

Improved quantitation of DNA–protein crosslinking caused by 405-nm monochromatic near-UV radiation in human cells. Peak JG, et al. **Photochem Photobiol** 1987 Aug; 46(2):319–21

Enhancement of radiation-induced DNA–protein crosslinking by N-methylformamide. Arundel CM, et al. **Radiat Res** 1987 May;110(2):294–304

[Dynamics of changes in the non-collagen proteins of the dog during 6 years of chronic low-dose gamma irradiation] Vinogradova ZA. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):66–9 (Eng. Abstr.) **(Rus)**

[Role of protein poly(ADP-ribosylation) in the radiosensitivity of thymus lymphocytes] Denisenko MF, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):75–8 (Eng. Abstr.) **(Rus)**

[Biosynthesis of chromatin proteins in the thymocytes of irradiated rats] Domashenko AD, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):160–5 (Eng. Abstr.) **(Rus)**

[Mechanism of the formation of DNA–protein cross-links during the gamma irradiation of chromatin in aqueous solutions] Zakatova NV, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):723–7 (Eng. Abstr.) **(Rus)**

SECRETION

Molecular mechanisms of protein secretion: the role of the signal sequence. Briggs MS, et al. **Adv Protein Chem** 1986; 38:109–80 (253 ref.)

Proteins are secreted from heterogeneous prestored sources in the exocrine pancreas. Miller PE, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G768–75

Cadmium inhibits protein secretion from cultured rat liver parenchymal cells. Mitane Y, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2647–52

Cadmium-induced inhibition of protein secretion from liver: pretreatment effect and specificity among cadmium, copper and zinc. Mitane Y, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2225–7

What regulates secretion of non-stored proteins by eukaryotic cells? Gebhart AM, et al. **Bioessays** 1986 May; 4(5):213–8

Temporal appearance and cyclic behavior of Sertoli cell-specific secretory proteins during the development of the rat seminiferous tubule. Shabanowitz RB, et al. **Biol Reprod** 1986 Oct;35(3):745–60

Analysis of the major large polypeptides of rat seminal vesicle secretion: SVS I, II, and III. Wagner CL, et al. **Biol Reprod** 1987 Mar;36(2):501–10

Stimulation of gastric mucus and protein secretion by cytochalasin E in rats. Piyachaturawat P, et al. **Cell Biol Int Rep** 1986 Sep;10(9):707–16

Secretion of proliferin. Lee SJ, et al. **Endocrinology** 1987 Jan; 120(1):208–13

Microtubule disruption does not prevent intracellular transport and secretory processes of cultured fibroblasts. Virtanen I, et al. **Eur J Cell Biol** 1986 Dec;42(2):281–7

Human granulosa and thecal cells secrete distinct protein profiles. Lobb DK, et al. **Fertil Steril** 1987 Aug;48(2):243–8

Constitutive protein secretion from the exocrine pancreas of fetal rats. Arvan P, et al. **J Biol Chem** 1987 Mar 15; 262(8):3886–90

Molecular characterization of glutamic acid/glutamine-rich secretory proteins from rat submandibular glands. Mirels L, et al. **J Biol Chem** 1987 May 25;262(15):7289–97

Specific induction of secreted proteins by transforming growth factor-beta and 12-O-tetradecanoylphorbol-13-acetate. Relationship with an inhibitor of plasminogen activator. Thalacker FW, et al. **J Biol Chem** 1987 Feb 15;262(5):2283–90

Effects of monensin on vesicular transport pathways in the perfused rat liver. Kloppel TM, et al. **J Cell Biochem** 1986; 32(3):235–45

Secretion of a malarial histidine-rich protein (Pf HRP II) from Plasmodium falciparum-infected erythrocytes. Howard RJ, et al. **J Cell Biol** 1986 Oct;103(4):1269–77

A 51K progestin-regulated protein secreted by human endometrial cells in primary culture. Maudelonde T, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1294–301

Specificity of sperm-binding Wolffian duct proteins in the rooster and their persistence on spermatozoa in the female host glands. Morris SA, et al. **J Exp Zool** 1987 May; 242(2):189–98

Length of pseudopregnancy and pattern of uterine protein release as influenced by time and duration of oestrogen administration in the pig. Geisert RD, et al. **J Reprod Fertil** 1987 Jan;79(1):163–72

Progesterone induces a secretory protein in cultured rabbit endometrial stromal cells. Bigsby RM. **J Steroid Biochem** 1986 Dec;25(6):937–42

Novel monocyte-like properties of microglial/astroglial cells. Constitutive secretion of lysozyme and cystatin-C. Zucker-Franklin D, et al. **Lab Invest** 1987 Aug; 57(2):176–85

Effect of androgens on mRNA for a secretory protein of rat dorsolateral prostate and seminal vesicles. Dodd JG, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):191–200

Tissue distribution, developmental profile and hormonal regulation of androgen-responsive secretory proteins of rat seminal vesicles studied by immunocytochemistry. Fawell SE, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):39–49

LHRH-stimulated release of stored and newly synthesized gonadotrop polypeptide (GP-87) by cultured rat gonadotrophs. Chanat E, et al. **Neuropeptides** 1987 Feb–Mar;9(2):177–83

A new round in the discussion on the action of secretin on pancreatic protein secretion: a further study on the effect of secretin on pancreatic secretion in dogs. Feurle GE, et al. **Pancreas** 1987;2(4):422–6

Characteristics of inhibition of pancreatic secretion by the beta-adrenergic agonist, terbutaline. Joehl RJ. **Pancreas** 1986;1(3):232–8

[Effect of a large dose of thyroxin on pancreatic protein release in rats] Wu H, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):234–6 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Effect of the elastase inhibitor, eglin-c, on antibacterial mechanisms in experimental pneumonia. Description of a system to quantitate phagocytic and bactericidal activity of resident murine alveolar macrophages in vivo. Esposito AL, et al. **Am Rev Respir Dis** 1987 Mar;135(3):676–81

Subtotal resection of the head of the pancreas combined with ductal obliteration of the distal pancreas in chronic pancreatitis. Kerremans RP, et al. **Ann Surg** 1987 Mar; 205(3):240–5

The effect of hepatic stimulatory substance, isolated from regenerating hepatic cytosol, and 50,000 and 300,000 subfractions in enhancing survival in experimental acute hepatic failure in rats treated with D-galactosamine. Francavilla A, et al. **Hepatology** 1986 Nov–Dec; 6(6):1346–51

Extraction and delivery of the bone morphogenic factor as a substitute for hydroxylapatite in osseous augmentation. Deatherage JR. **J Am Dent Assoc** 1987 Feb;114(2):159–60

Consideration of the proteins and peptides produced by new technology for use as therapeutics. Liu DT, et al. **Lymphokine Res** 1986;5 Suppl 1:S189–92

Influence of the lysosomal elastase inhibitor eglin on the development of interstitial lung edema in E. coli bacteremia in pigs. Welter HF, et al. **Prog Clin Biol Res** 1987; 236A:121–5

Clinical pancreatic transplantation using the prolamine duct occlusion technique—the Munich experience. Land W, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 4):75–83

[Effects of urinastatin on hepatic energy metabolism of the rat in acute hemorrhagic shock] Kashimoto S, et al. **Masui** 1986 Oct;35(10):1495–8 (Eng. Abstr.) **(Jpn)**

[Effect of urinastatin on disseminated intravascular coagulation] Inaba H, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):239–44 (Eng. Abstr.) **(Jpn)**

[The therapeutic effect of cysteine proteinase inhibitor, EST, on experimental chloroquine myopathy] Higuchi I, et al. **Rinsho Shinkeigaku** 1986 Sep;26(9):928–36 (Eng. Abstr.) **(Jpn)**

[Effect of long-term treatment with panodin on the clinical condition of patients with infectious asthma] Matusiewicz R. **Wiad Lek** 1987 Mar 15;40(6):363–6 (Eng. Abstr.) **(Pol)**

TOXICITY

Sensitization of tumor target cells to cytolysis by murine macrophage cytolytic factor by drugs inhibiting DNA, RNA, and protein synthesis. Souchek JM, et al. **J Leukocyte Biol** 1986 Dec;40(6):755–68

Damage to mammalian cells by proteins that form transmembrane pores. Bhakdi S, et al. **Rev Physiol Biochem Pharmacol** 1987;107:147–223 (353 ref.)

[Morphologic findings after intracerebral administration of an alcoholic prolamine solution] Rama B, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):108–11 (Eng. Abstr.) **(Ger)**

PROTEINS, ACUTE PHASE see **ACUTE PHASE PROTEINS**

PROTEINS, BACTERIAL see **BACTERIAL PROTEINS**

PROTEINS, RIBOSOMAL see **RIBOSOMAL PROTEINS**

PROTEINURIA

A comparative study of the measurement of urinary kallikrein by various methods in patients with essential hypertension and patients with proteinuria. Ura N, et al. **Adv Exp Med Biol** 1986;198 Pt B:359–65

Circadian rhythm of proteinuria in normal subjects but not in patients with glomerulonephritis. Buzio C, et al. **Ann Clin Res** 1987;19(1):30–3

Proteinuria prevalence in insulin-treated patients: prediction of need for end-stage renal failure treatment. Waugh NR, et al. **Diabetic Med** 1987 Mar–Apr;4(2):151–5

Homology between the pyrazine-binding protein from nasal mucosa and major urinary proteins. Cavaggioni A, et al. **FEBS Lett** 1987 Feb 23;212(2):225–8

Pattern of proteinuria in NIDDM—one year follow up. Seshiah V, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:163–7

Indomethacin reduces proteinuria in passive Heymann nephritis in rats. Zoja C, et al. **Kidney Int** 1987 Jun; 31(6):1335–43

Failure of weight training to affect urinary indices of protein metabolism in men. Hickson JF Jr, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):563–7

Effect of dipyridamole treatment on proteinuria in pediatric renal disease. Ueda N, et al. **Nephron** 1986;44(3):174–9

[Proteinuria in diabetes mellitus—a prognostic indicator even in type II?] Janka HU. **Dtsch Med Wochenschr** 1987 Sep 18;112(38):1443–4 **(Ger)**

[Determination of the concentration of protein in urine] Rakov SS. **Lab Delo** 1987;(2):9–11 (Eng. Abstr.) **(Rus)**

BLOOD

Plasma fibronectin levels in patients with glomerular proteinuria. Rydzewski A, et al. **Folia Haematol (Leipz)** 1986;113(5):703–7

CHEMICALLY INDUCED

Angiotensin-converting enzyme inhibitors: considerations regarding proteinuria. Lewis EJ. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):30–8

The proteinuria of industrial lead intoxication. Vacca CV, et al. **Environ Res** 1986 Dec;41(2):440–6

Cyclosporin A-associated proteinuria [letter] Gibson J, et al. **Med J Aust** 1987 Mar 16;146(6):325, 328–9

Captopril-induced proteinuria in hypertensive psoriatic patients. Madeddu P, et al. **Nephron** 1986;44(4):358–60

Prednisone-induced fluctuations of proteinuria in patients with a nephrotic syndrome. Wetzels JF, et al. **Nephron** 1986;44(4):344–50

Mechanisms of steroid-enhanced proteinuria in nephrotic patients. Kumagai H, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):277–81

Dysproteinuria induced in rats by O,O,S-trimethyl phosphorothioate. Keadtisuke S, et al. **Toxicol Lett** 1987 Jun;37(1):33–9

Cadmium-metallothionein nephrotoxicity in the rat: transient calcuria and proteinuria. Jin TY, et al. **Toxicology** 1987 Sep;45(3):307–17

[Studies of protein clearance in patients treated with and without gold preparations in rheumatoid arthritis] Gräfenstein K. **Z Gesamte Inn Med** 1987 Jan 15;42(2):56–8 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Hypophosphatemic osteomalacia and adult Fanconi syndrome due to light-chain nephropathy. Another form of oncogenous osteomalacia. Rao DS, et al. **Am J Med** 1987 Feb;82(2):333–8

Proteinuria and blood glucose levels in a population with diabetic retinopathy. Jerneld B, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):283–9

Microproteinuria in children with vesicoureteric reflux. Bell FG, et al. **Br J Urol** 1986 Dec;58(6):605–9

Proteinuria: value as predictor of cardiovascular mortality in insulin dependent diabetes mellitus. Borch-Johnsen K, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1651–4

Influence of proteinuria on vascular disease, blood pressure, and lipoproteins in insulin dependent diabetes mellitus. Winocour PH, et al. **Br Med J [Clin Res]** 1987 Jun 27; 294(6588):1648–51

Proteinuria and glomerulosclerosis. New clues from experimental models. Remuzzi A, et al. **Contrib Nephrol** 1987;55:50–9 (50 ref.)

Proteinuria in newly diagnosed type II diabetic patients. Uusitupa M, et al. **Diabetes Care** 1987 Mar–Apr;10(2):191–4

CONGENITAL

[Imerslund-Najman-Greisbeck disease] Boguslavskaia MI, et al. **Klin Med (Mosk)** 1987 Apr;65(4):136–7 **(Rus)**

DIAGNOSIS

Urinary protein patterns and EPH-gestosis. Quaas L, et al.

Clin Nephrol 1987 Mar;27(3):107–10
A simple rapid method for the detection of rat urinary proteins by agarose electrophoresis and nigrosine staining. Allchin JP, et al. **Lab Anim** 1986 Jul;20(3):202–5
Quantitation of proteinuria in pregnancy by the use of single voided urine samples. Boler L, et al. **Obstet Gynecol** 1987 Jul;70(1):99–100
Proteinuria selectivity pattern and its relations to clinical and laboratory characteristics and response to treatment in nephrotic syndrome at the Department of Child Health, Hasan Sadikin General Hospital, Bandung. Effendi J, et al. **Paediatr Indones** 1986 Sep–Oct;26(9–10):195–204
An office approach to hematuria and proteinuria. Norman ME. **Pediatr Clin North Am** 1987 Jun;34(3):545–60
Prognostic implications in the detection of proteinuria. Whelton A.
Proc Annu Meet Med Sect Am Counc Life Insur 1986;:29–32
[Practical approach in an isolated abnormality of urinalysis] Wauters JP. **Schweiz Med Wochenschr** 1987 Feb 14; 117(7):249–51 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Reduction of proteinuria by indomethacin in patients with nephrotic syndrome. Alavi N, et al. **Am J Kidney Dis** 1986 Dec;8(6):397–403
Diclofenac, a nonsteroidal anti-inflammatory drug, decreases proteinuria in some glomerular diseases: a controlled study. Laurent J, et al. **Am J Nephrol** 1987;7(3):198–202
Pharmacokinetics of trimazosin and its effects on blood pressure, renal function and proteinuria during short-term therapy of patients with impaired renal function and hypertension. van Kalken CK, et al.
Eur J Clin Pharmacol 1986;31(1):63–8
Reduction of proteinuria by angiotensin converting enzyme inhibition. Heeg JE, et al. **Kidney Int** 1987 Jul;32(1):78–83
Antiproteinuric effect of captopril in primary glomerular disease. Lagrue G, et al. **Nephron** 1987;46(1):99–100
Effect of captopril in nephrotic-range proteinuria due to renovascular hypertension. Martinez Vea A, et al.
Nephron 1987;45(2):162–3
Colchicine reduces proteinuria in passive Heymann nephritis. Milner LS, et al. **Nephron** 1987;46(1):11–7
Haematuria and proteinuria in urinary schistosomiasis: response to therapy with praziquantel in Tanzanian children. Sarda RK, et al. **Trop Med Parasitol** 1987 Mar; 38(1):31–3

ENZYMOLOGY

Decreased ATPase activity in adriamycin nephrosis is independent of proteinuria. Bakker WW, et al.
Kidney Int 1987 Mar;31(3):704–9
[Enzymuria and kidney diseases in childhood] Ehrich JH, et al. **Monatsschr Kinderheilkd** 1986 Dec;134(12):832–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Proteinuria in renovascular hypertension and the effects of renal angioplasty. Zimbler MS, et al. **Am J Cardiol** 1987 Feb 15;59(5):406–8
Renal ultrastructural markers in AIDS-associated nephropathy. Chander P, et al. **Am J Pathol** 1987 Mar; 126(3):513–26
Daily urinary protein loss in Schistosoma haematobium infection. Doehring E, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):954–8
Proteinuria following trauma. Gosling P, et al.
Ann Clin Biochem 1986 Nov;23 (Pt 6):681–5
Tubular proteinuria in IgA glomerulonephritis. Nagy J, et al. **Clin Nephrol** 1987 Feb;27(2):76–8
Cigarette-smoking as a risk factor for macroproteinuria and proliferative retinopathy in type 1 (insulin-dependent) diabetes. Mühlhauser I, et al. **Diabetologia** 1986 Aug; 29(8):500–2
The effect of adrenalectomy on the proteinuria of spontaneously hypertensive rats and normotensive controls. Szokol M, et al. **Exp Pathol** 1986;30(4):233–42
Urine protein excretion in acute pancreatitis. Meier PB, et al. **J Lab Clin Med** 1986 Dec;108(6):628–34
Effect of the variation of hematocrit on the proteinuria of a patient with polycythemia and congenital heart disease. Loute G, et al. **Nephron** 1987;46(1):109–11
Prognosis of renal manifestations of Henoch-Schönlein syndrome in adults. A retrospective study of 18 patients. Hubbeling AA, et al. **Neth J Med** 1986;29(10):291–5
Characterization of recumbent, ambulatory, and postexercise proteinuria in the adolescent. Houser MT. **Pediatr Res** 1987 May;21(5):442–6
Determination of albuminuria in type 1 and type 2 diabetic patients with microproteinuria and overt nephropathy. Comparative evaluation between a radial immunodiffusion procedure and a highly sensitive radioimmunoassay. Fioravanti M, et al. **Ric Clin Lab** 1987 Apr–Jun;17(2):171–9
Renal protein excretion in normal (Ztm: gg-anti) and subclinically diabetic (Ztm: gg-diab) mice. Alt JM, et al. **Z Versuchstierkd** 1987;29(3–4):103–10
[Urinary excretion and renal clearance of several specific plasma proteins in diabetics] Khristov V, et al.
Vutr Boles 1987;26(3):64–8 (Eng. Abstr.) **(Bul)**
[Effect of antihypertensive (captopril) therapy on proteinuria in diabetic nephropathy] Hollander E. **Orv Hetil** 1987 Apr 26;128(17):893–5 (Eng. Abstr.) **(Hun)**
[Tubular proteinuria in IgA glomerulonephritis] Nagy J, et al. **Orv Hetil** 1986 Nov 23;127(47):2865–7 (Eng. Abstr.) **(Hun)**
[Minimal proteinuria in diabetes mellitus] Serban V, et al. **Rev Med Interna [Med Interna]** 1986 Nov–Dec; 38(6):555–62 (Eng. Abstr.) **(Rum)**

METABOLISM

Fractional dextran and protein clearances in glomerulonephritis and in diabetic nephropathy.
Ala-Houhala I, et al. **Clin Sci** 1987 Mar;72(3):289–96
Spectrum of proteinuria in type I and type II diabetes. Jerums G, et al. **Diabetes Care** 1987 Jul–Aug;10(4):419–27
Renal functional maturation: renal handling of proteins by mature and immature newborns. Galaske RG.
Eur J Pediatr 1986 Oct;145(5):368–71
Competition between low- and high-molecular-weight proteins for renal tubular uptake. Bernard A, et al.
Nephron 1987;45(2):115–8

OCCURRENCE

Declining incidence of persistent proteinuria in type I (insulin-dependent) diabetic patients in Denmark. Kofoed-Enevoldsen A, et al. **Diabetes** 1987 Feb; 36(2):205–9

PATHOLOGY

The spectrum of renal histopathology in patients with significant proteinuria in Vanuatu. Rhodes K, et al.
Am J Kidney Dis 1987 Jul;10(1):52–5
Proteinuria, hypertension and renal failure in a patient with unilateral renal agenesis [clinical conference] Maschio G, et al. **Am J Nephrol** 1987;7(3):243–9
Glomerular epithelial abnormalities associated with the onset of proteinuria in aminonucleoside nephrosis. Messina A, et al. **Am J Pathol** 1987 Feb;126(2):220–9
Changes at the glomerular tip: a feature of membranous nephropathy and other disorders associated with proteinuria. Howie AJ. **J Pathol** 1986 Sep;150(1):13–20
Glomerular epithelial cell structure and function in chronic proteinuria induced by homologous protein-load. Schwartz MM, et al. **Lab Invest** 1986 Dec;55(6):673–9
Clinical and histopathological characteristics of patients with IgA nephropathy showing massive proteinuria. Sato M, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1179–85
[Hip pain, proteinuria] Schmid-Zumstein A, et al.
Schweiz Rundsch Med Prax 1987 Jul 7;76(28):810–3 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The point of no-return for the diabetic kidney is beyond clinical proteinuria [letter] Selam JL, et al.
Diabetic Med 1984 Sep;1(3):242
Glomerular sieving of high molecular weight proteins in proteinuric rats. Bertolatus JA, et al. **Kidney Int** 1987 Jun; 31(6):1257–66
Role for angiotensin II in an overt functional proteinuria. Yoshioka T, et al. **Kidney Int** 1986 Oct;30(4):538–45
Low molecular weight proteinuria exacerbates experimental ischemic renal injury. Zager RA, et al. **Lab Invest** 1987 Feb;56(2):180–8
Proteinuria and enzymuria. Chavers BM, et al.
Semin Nephrol 1986 Dec;6(4):371–88 (240 ref.)
[Is there a relationship between orthostatic proteinuria and increased renal mobility?] Buchanec J, et al.
Cesk Pediatr 1987 Feb;42(2):81–4 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

Effect of protein restriction in insulin dependent diabetics at risk of nephropathy. Cohen D, et al.
Br Med J [Clin Res] 1987 Mar 28;294(6575):795–8

THERAPY

Proteolytic enzyme treatment reduces glomerular immune deposits and proteinuria in passive Heymann nephritis. Nakazawa M, et al. **J Exp Med** 1986 Dec 1;164(6):1973–87
Nephrotic-range proteinuria with renal artery stenosis: its reversal after transluminal angioplasty [letter] Hariharan S, et al. **Nephron** 1987;47(1):77

URINE

Clinical significance of determination of urinary proteins in epidemic hemorrhagic fever. Cai SQ, et al.
Acta Acad Med Wuhan 1985;5(4):238–43
Yellow IRIS urinalysis workstation. Results not corrected [letter] Koontz AE, et al. **Am J Clin Pathol** 1987 Sep; 88(3):395–7
Automated trichloroacetic acid precipitation method for urine total protein. Cheung CK, et al.
Ann Clin Biochem 1987 Mar;24 (Pt 2):140–4
The effect of storage pH on the precipitation of proteins in deep frozen urine samples. Townsend JC, et al.
Ann Clin Biochem 1987 Jan;24 (Pt 1):111–2
Effects of polybrominated biphenyls upon rat urinary protein patterns as detected by two-dimensional electrophoresis. Myrick JE, et al. **Arch Environ Contam Toxicol** 1987 Sep; 16(5):579–85
Quantitation of proteinuria by the use of protein-to-creatinine ratios in single urine samples. Schwab SJ, et al. **Arch Intern Med** 1987 May;147(5):943–4
Protein loading test before and after kidney donation. Chan MK. **Aust NZ J Med** 1986 Oct;16(5):691–4
Misleading urine tests after using contrast media [letter] Dawson P, et al. **Br J Radiol** 1985 Aug;58(692):785
Standardizing assays of total protein in urine [letter] Imai N. **Clin Chem** 1986 Oct;32(10):1995
Proteinuria in health and disease assessed by measuring the urinary protein/creatinine ratio. Lemann J Jr, et al.
Clin Chem 1987 Feb;33(2 Pt 1):297–9
More on urinary protein/creatinine index [letter] Macart M, et al. **Clin Chem** 1987 Jan;33(1):199
Electrophoresis indicates protein loss on centrifugation of urine. Marshall T, et al. **Clin Chem** 1986 Nov;32(11):2105–6
Comparison of Coomassie Brilliant Blue protein dye-binding assays for determination of urinary protein concentration. Marshall T, et al. **Clin Chem** 1987 Apr;33(4):577–8
Measurement of urinary retinol-binding protein by enzyme-linked immunosorbent assay, and its application to detection of tubular proteinuria. Topping MD, et al.
Clin Chem 1986 Oct;32(10):1863–6
Urinary protein/creatinine ratio as an indicator of allograft function following live related donor renal transplantation. Krishna KS, et al. **Clin Chim Acta** 1987 Feb 27;163(1):51–61
Immunoglobulin light-chain immunoblots of urine proteins from patients with tubular and Bence-Jones proteinuria. Norden AG, et al. **Clin Chim Acta** 1987 Jul 15; 166(2–3):307–15
Urinary excretion of total proteins, albumin, and beta 2-microglobulin during rest and exercise in diabetic adolescents with and without retinopathy. Poortmans J, et al. **Diabetes Care** 1982 Nov–Dec;5(6):617–23
Neonatal sex reversal of the brain and the urinary excretion of sex dependent proteins (SDP) in the rat. Alt JM, et al.
Exp Clin Endocrinol 1987 Apr;89(2):129–38
Characterization of proteinuria using random urine samples. Houser MT. **Int J Pediatr Nephrol** 1986 Oct–Dec; 7(4):197–202
Automated separation and measurement of urinary isoenzymes and protein by ion-exchange liquid chromatography. Matsukura H, et al. **J Chromatogr** 1987 Feb 20;414(1):47–54
Application of quantitative determination of urinary proteins in the diagnosis of acute rejection following renal transplantation. Zhou XX. **J Tongji Med Univ** 1986; 6(3):161–6
Urinary histamine excretion in proteinuric states. Trachtman H, et al. **Nephron** 1987;47(1):12–6
Evaluation of proteinuria by two-dimensional polyacrylamide gel electrophoresis after kidney transplantation. Bauer H, et al. **Uremia Invest** 1985–86; 9(2):269–75
[Quantification of proteinuria by measurement of the protein/creatinine ratio] Baumelou A, et al. **Presse Med** 1987 Feb 28;16(7):343–5 (Eng. Abstr.) **(Fre)**
[Studies of renal dysfunction among the inhabitants of a cadmium polluted area. I. Classification of urinary protein excretion patterns according to the quantitative analysis of the five proteins] Kubota Y.
Nippon Eiseigaku Zasshi 1986 Jun;41(2):539–49 (Eng. Abstr.) **(Jpn)**
[Studies of renal dysfunction among the inhabitants of a cadmium polluted area. II. The changes of disc electrophoretic patterns of urinary proteins observed after a twelve-year interval] Kubota Y.
Nippon Eiseigaku Zasshi 1986 Jun;41(2):550–8 (Eng. Abstr.) **(Jpn)**
[Urinary protein analysis of various renal diseases in childhood—significance of urinary protein analysis] Yamamoto T. **Nippon Jinzo Gakkai Shi** 1986 Jun; 28(6):707–20 (Eng. Abstr.) **(Jpn)**

VETERINARY

Effects of collection time and food consumption on the urine protein/creatinine ratio in the dog. Jergens AE, et al.
Am J Vet Res 1987 Jul;48(7):1106–9
Single nephron hyperfiltration and proteinuria in a newly selected rat strain with superficial glomeruli.
Rovira-Halbach G, et al. **Renal Physiol** 1986;9(6):317–25
Proteinuria in the dog: a clinicopathological study in 51 proteinuric dogs. Biewenga WJ, et al. **Res Vet Sci** 1986 Sep;41(2):257–64
Membranous nephropathy in the dog. Jaenke RS, et al.
Vet Pathol 1986 Nov;23(6):718–33

PROTEOCHONDROITIN SULFATES see under **PROTEOGLYCANS**

PROTEOGLYCANS

Proteoglycan-induced arthritis in BALB/c mice. Clinical features and histopathology. Glant TT, et al.
Arthritis Rheum 1987 Feb;30(2):201–12
Physical properties of chondroitin sulphate/dermatan sulphate proteoglycans from bovine aorta. Kapoor R, et al. **Biochem J** 1986 Dec 1;240(2):575–83
Identification of an extended N-acetylated sequence adjacent to the protein-linkage region of fibroblast heparan sulphate. Lyon M, et al. **Biochem J** 1987 Mar 1;242(2):493–8
The partial amino acid sequence of bovine cartilage proteoglycan, deduced from a cDNA clone, contains numerous Ser-Gly sequences arranged in homologous

repeats. Oldberg A, et al. **Biochem J** 1987 Apr 1; 243(1):255–9

Dermatan sulphate proteoglycans from sclera examined by rotary shadowing and electron microscopy. Ward NP, et al. **Biochem J** 1987 Mar 15;242(3):761–6

Domain structure of the basement membrane heparan sulfate proteoglycan. Ledbetter SR, et al. **Biochemistry** 1987 Feb 24;26(4):988–95

Small-angle x-ray scattering of bovine nasal cartilage proteoglycan in solution. Stivala SS, et al. **Biopolymers** 1987 May;26(5):633–50

Thermal and solvent stability of proteoglycan aggregates by quasielastic laser light-scattering. Jamieson AM, et al. **Carbohydr Res** 1987 Feb 15;160:329–41

Common structures of the core proteins of interstitial proteoglycans. Heinegård D, et al. **Ciba Found Symp** 1986; 124:69–88

Structural relationship between link proteins and proteoglycan monomers. Périn JP, et al. **FEBS Lett** 1986 Sep 29;206(1):73–7

Visualization of proteoglycans and membrane-associated components in rat incisor enamel organ using ruthenium hexammine trichloride. Goldberg M, et al. **J Biol Buccale** 1987 Mar;15(1):59–66

Selective deglycosylation of the heparan sulfate proteoglycan of bovine glomerular basement membrane and identification of the core protein. Edge AS, et al. **J Biol Chem** 1987 May 15;262(14):6893–8

Molecular shrinkage of proteoglycans. Harper GS, et al. **J Biol Chem** 1987 Jun 15;262(17):8088–95

Viscoelastic properties of proteoglycan solutions with varying proportions present as aggregates. Hardingham TE, et al. **J Orthop Res** 1987;5(1):36–46

Electron microscopy and other physical methods for the characterization of extracellular matrix components: laminin, fibronectin, collagen IV, collagen VI, and proteoglycans. Engel J, et al. **Methods Enzymol** 1987; 145:3–78

Proteoglycans: an overview. Heinegård D, et al. **Methods Enzymol** 1987;144:305–19 (77 ref.)

Enhanced breakdown in vitro of bovine articular cartilage proteoglycans by conditional synovial medium. The effect of superoxide dismutase and catalase. Klämfeldt A, et al. **Scand J Rheumatol** 1987;16(1):41–5

ADMINISTRATION & DOSAGE

[A case report of successful immunochemotherapy of metastatic renal cell carcinoma using UFT and PSK] Kondo N, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2568–70 (Eng. Abstr.) **(Jpn)**

[A multi-institutional study on postoperative adjuvant immunochemotherapy of gastric cancer (II)] Tamada R, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):716–22 (Eng. Abstr.) **(Jpn)**

[A case report of patient with advanced stomach carcinoma of linitis plastica type responding to multi-immunotherapy and chemotherapy] Yagita A, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):196–9 (Eng. Abstr.) **(Jpn)**

[A clinical study of the optimal administration method for an immunopotentiator after radiation therapy of malignant tumors] Okazaki A, et al. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):25–32 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Altered glomerular localization of heparan sulfate proteoglycan in experimental nephritides. Uchida M, et al. **Acta Pathol Jpn** 1986 Jun;36(6):827–38

Microdetermination of proteoglycans and glycosaminoglycans in the presence of guanidine hydrochloride. Chandrasekhar S, et al. **Anal Biochem** 1987 Feb 15;161(1):103–8

Detecting proteoglycans immobilized on positively charged nylon. Heimer R, et al. **Anal Biochem** 1987 May 1; 162(2):330–6

Structure and localization of nervous tissue proteoglycans. Margolis RU, et al. **Ann NY Acad Sci** 1986;481:46–54

Spectrophotometric measurement of proteoglycans in osteoarthritic synovial fluid. Carroll GJ. **Ann Rheum Dis** 1987 May;46(5):375–9

The structures of N- and O-glycosidic carbohydrate chains of a chondroitin sulfate proteoglycan isolated from the media of the human aorta. Akiyama F, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):574–90

Heterogeneity of proteoglycans extracted before and after collagenase treatment of human articular cartilage. II. Variations in composition with age and tissue source. Kuijer R, et al. **Arthritis Rheum** 1986 Oct;29(10):1248–55

Heterogeneity of proteoglycans extracted before and after collagenase treatment of human articular cartilage. I. Physical properties related to age. van de Stadt RJ, et al. **Arthritis Rheum** 1986 Oct;29(10):1239–47

Occurrence of the HNK-1 epitope (3-sulfoglucuronic acid) in PC12 pheochromocytoma cells, chromaffin granule membranes, and chondroitin sulfate proteoglycans. Margolis RK, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1142–8

Electron-microscopic and electrophoretic studies of bovine femoral-head cartilage proteoglycan fractions. Thornton DJ, et al. **Biochem J** 1986 Nov 15;240(1):41–8

Quantitative structural analysis of collagen in chordae tendineae and its relation to floppy mitral valves and proteoglycan infiltration. Whittaker P, et al. **Br Heart J** 1987 Mar;57(3):264–9

Stereological studies on the epiphyseal growth cartilage and characterization of costal cartilage proteoglycans in the achondroplastic (cn/cn) mouse. Wikström B, et al. **Coll Relat Res** 1986 Jul;6(3):279–93

Proteoglycan electrophoresis on horizontal submerged polyacrylamide–agarose gels. Stanescu V, et al. **Connect Tissue Res** 1987;16(1):71–7

Studies on macromolecular components of human glomerular basement membrane and alterations in diabetes. Decreased levels of heparan sulfate proteoglycan and laminin. Shimomura H, et al. **Diabetes** 1987 Mar;36(3):374–81

Chemical characterization of high buoyant density proteoglycan accumulated in the affected skin of pretibial myxedema of Graves' disease. Shishiba Y, et al. **Endocrinol Jpn** 1986 Jun;33(3):395–403

Localization of proteoglycan within the extracellular matrix sheath of cone photoreceptors. Varner HH, et al. **Exp Eye Res** 1987 May;44(5):633–42

Ultrastructural localization of the major proteoglycan and type II procollagen in organelles and extracellular matrix of cultured chondroblasts. Iozzo RV, et al. **Histochemistry** 1986;86(2):113–22

The HLA-class II-associated chondroitin sulfate proteoglycan expressed by class II positive T and monocyte-like cell lines is larger than that expressed by EBV-transformed B-lymphoblastoid cell lines. Bono C, et al. **Hum Immunol** 1987 Apr;18(4):315–30

Mucosal mast cells in the rat and in man. Enerbäck L. **Int Arch Allergy Appl Immunol** 1987;82(3–4):249–55 (26 ref.)

Heterogeneity of bovine corneal proteokeratan sulfate. Saitoh F, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):453–63

Keratan sulfate proteoglycan in rabbit compact bone is bone sialoprotein II. Kinne RW, et al. **J Biol Chem** 1987 Jul 25;262(21):10206–11

The proteoglycans in hypertrophic scar. Honda T, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):326–33

Ultrastructural visualization of proteoglycans in dentine forming sites of developing rat molar tooth germs by use of ruthenium hexammine trichloride (RHT). Kogaya Y, et al. **J Electron Microsc (Tokyo)** 1987;36(1–2):40–4

The human invariant chain is the core protein of the human class II-associated proteoglycan. Giacoletto KS, et al. **J Exp Med** 1986 Nov 1;164(5):1422–39

Immunocytochemistry of cell surface heparan sulfate proteoglycan in mouse tissues. A light and electron microscopic study. Hayashi K, et al. **J Histochem Cytochem** 1987 Oct;35(10):1079–88

A simple and rapid treatment (trichloroacetic acid precipitation) of serum samples to prevent non-specific reactions in the immunoassay of a proteoglycan. De Jonge N, et al. **J Immunol Methods** 1987 May 20;99(2):195–7

Acetylcholine, ATP, and proteoglycan are common to synaptic vesicles isolated from the electric organs of electric eel and electric catfish as well as from rat diaphragm. Volknandt W, et al. **J Neurochem** 1986 Nov; 47(5):1449–62

Demonstration of a keratan sulfate proteoglycan and a mannose-rich glycoconjugate in corpora amylacea of the brain by immunocytochemical and lectin-binding methods. Liu HM, et al. **J Neuroimmunol** 1987 Feb;14(1):49–60

The effect of chronic inflammation on gingival connective tissue proteoglycans and hyaluronic acid. Bartold PM, et al. **J Oral Pathol** 1986 Aug;15(7):367–74

Biochemical characterization of fracture callus proteoglycans. Kopman CR, et al. **J Orthop Res** 1987; 5(1):7–13

Chemical composition and immunobiological properties of lipopolysaccharide and lipid-associated proteoglycan from Actinobacillus actinomycetemcomitans. Nishihara T, et al. **J Periodont Res** 1986 Sep;21(5):521–30

Contrasting reactivity of young and old human cartilage to mononuclear cell factors [letter] Huber-Bruning O, et al. **J Rheumatol** 1986 Dec;13(6):1191–2

Analysis of membrane-associated proteoglycans. Höök M, et al. **Methods Enzymol** 1987;144:394–401

Electron immunohistochemistry of the extracellular matrix: an overview. Martinez-Hernadez A. **Methods Enzymol** 1987;145:78–103

Proteoglycans of articular cartilage in Mseleni joint disease. Sweet MB, et al. **S Afr Med J** 1987 Mar 7;71(5):317–9

[Studies on proteoglycans in bone and dentin] Ibaraki K. **Kokubyo Gakkai Zasshi** 1986 Dec;53(4):699–718 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of the proteoglycan component of the extracellular matrix in the intact mammary gland and in benign and malignant mammary gland tumors] Kondalenko VF, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):332–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Glycosaminoglycan-free small proteoglycan core protein is secreted by fibroblasts from a patient with a syndrome resembling progeroid. Kresse H, et al. **Am J Hum Genet** 1987 Sep;41(3):436–53

Aortic endothelial cell proteoheparan sulfate. II. Modulation by extracellular matrix. Keller R, et al. **Am J Pathol** 1987 Aug;128(2):299–306

Isolation and characterization of proteoglycans synthesized by adult human gingival fibroblasts in vitro. Bartold PM, et al. **Arch Biochem Biophys** 1987 Mar;253(2):399–412

The effect of retinoic acid on proteoglycan biosynthesis in bovine articular cartilage cultures. Campbell MA, et al. **Arch Biochem Biophys** 1987 Mar;253(2):462–74

Post-translational events in proteoglycan synthesis: kinetics of synthesis of chondroitin sulfate and oligosaccharides on the core protein. Lohmander LS, et al. **Arch Biochem Biophys** 1986 Oct;250(1):211–27

Altered synthesis of heparan sulfate proteoglycans at low sulfate concentration. Tyree B, et al. **Arch Biochem Biophys** 1986 Oct;250(1):202–10

Tunicamycin inhibits proteoglycan synthesis in rat ovarian granulosa cells in culture. Yanagishita M. **Arch Biochem Biophys** 1986 Nov 15;251(1):287–98

Polysulphated polysaccharides: an in vitro study of their effects on proteoglycan biosynthesis by articular chondrocytes. Costeseque R, et al. **Arch Int Pharmacodyn Ther** 1986 Aug;282(2):196–208

Effect of benzyl beta-D-xyloside on the biosynthesis of chondroitin sulphate proteoglycan in cultured human monocytes. Kolset SO, et al. **Biochem J** 1986 Aug 15; 238(1):209–16

Control of proteoglycan biosynthesis. Further studies on the effect of serum on cultured bovine articular cartilage. McQuillan DJ, et al. **Biochem J** 1986 Aug 1;237(3):741–7

Stimulation of proteoglycan biosynthesis by serum and insulin-like growth factor-I in cultured bovine articular cartilage. McQuillan DJ, et al. **Biochem J** 1986 Dec 1; 240(2):423–30

Interleukin-1-like factor (mononuclear cell factor) modulates proteoglycan synthesis in cultured human synovial cells. Langris M, et al. **Biochim Biophys Acta** 1987 Jan 19; 927(1):34–42

Changes in cartilage proteoglycans associated with calcification. Campo RD, et al. **Calcif Tissue Int** 1986 Sep; 39(3):175–84

Biosynthesis of proteochondroitin sulfate: substrate requirements for formation of two independent species. Sugumaran G, et al. **Carbohydr Res** 1986 Aug 15; 151:185–95

Biosynthesis and structure of the basement membrane proteoglycan containing heparan sulphate side-chains. Hassell JM, et al. **Ciba Found Symp** 1986;124:204–22

Biosynthesis and processing of proteodermatan sulphate. Kresse H, et al. **Ciba Found Symp** 1986;124:89–103

The synthetic processes of articular cartilage. Treadwell BV, et al. **Clin Orthop** 1986 Dec;(213):50–61 (129 ref.)

Proteoglycan synthesis during intramembranous bone regeneration following avulsive wounding in guinea pig long bones. Freilich LS, et al. **Connect Tissue Res** 1987; 16(1):79–93

Variability in proteoglycan synthesis among six strains of normal human adult skin fibroblasts. Vogel KG, et al. **Connect Tissue Res** 1986;15(3):187–98

Glomerular proteoglycans in diabetes. Partial structural characterization and metabolism of de novo synthesized heparan-35SO4 and dermatan-35SO4 proteoglycans in streptozocin-induced diabetic rats. Klein DJ, et al. **Diabetes** 1986 Oct;35(10):1130–42

Sulfate metabolism in the alloxan-diabetic rat: relationship of altered sulfate pools to proteoglycan sulfation in heart and other tissues. Spiro MJ. **Diabetologia** 1987 Apr; 30(4):259–67

Early changes in parathyroid hormone response and proteoglycan synthesis of chick embryonic femur produced by exposure to 6-aminonicotinamide in ovo. Kawashima K, et al. **Endocrinol Jpn** 1987 Feb;34(1):73–80

Proteoglycan synthesis by fibroblast cultures initiated from regions of adult bovine tendon subjected to different mechanical forces. Vogel KG, et al. **Eur J Cell Biol** 1986 Jun;41(1):102–12

Proteoglycans in normal and neoplastic monocytes. Kolset SO. **Exp Cell Res** 1987 Feb;168(2):318–24

Rabbit chondrocytes maintained in serum-free medium. I. Synthesis and secretion of hydrodynamically-small proteoglycans. Malemud CJ, et al. **Exp Cell Res** 1986 Dec; 167(2):440–52

Characterization of proteoglycans synthesized by fetal rat lung type II pneumonocytes in vitro and the effects of cortisol. Skinner SJ, et al. **Exp Lung Res** 1987;12(3):253–64

Kurloff cell proteoglycans. Evidence for de novo synthesis of chondroitin sulphate proteoglycans by purified Kurloff cells. Landemore G, et al. **FEBS Lett** 1986 Dec 15; 209(2):299–304

Late preovulatory synthesis of proteoglycans by the human oocyte and cumulus cells and their secretion into the oocyte-cumulus-complex extracellular matrices. Tesařik J, et al. **Histochemistry** 1986;85(6):523–8

Inflammation-induced synthesis of proteoheparan sulfate: a novel acute-phase reactant in rat hepatocytes. Djovkar A, et al. **Inflammation** 1987 Mar;11(1):39–46

Proteoglycans synthesized by cultured mouse osteoblasts. Ecarot-Charrier B, et al. **J Biol Chem** 1987 Apr 15; 262(11):5345–51

Proteoglycan synthesis in normal and Lowe syndrome fibroblasts. Harper GS, et al. **J Biol Chem** 1987 Apr 25; 262(12):5637–43

Modulation of heparan sulfate biosynthesis. Effects of 6-diazo-5-oxo-L-norleucine and low glutamine on the synthesis of heparan sulfate proteoglycan by human colon

carcinoma cells. Iozzo RV, et al. **J Biol Chem** 1987 Aug 15;262(23):11188–99

Secretory granules of heparin–containing rat serosal mast cells also possess highly sulfated chondroitin sulfate proteoglycans. Katz HR, et al. **J Biol Chem** 1986 Oct 15; 261(29):13393–6

A large chondroitin sulfate proteoglycan (PG–M) synthesized before chondrogenesis in the limb bud of chick embryo. Kimata K, et al. **J Biol Chem** 1986 Oct 15; 261(29):13517–25

Partial characterization of heparan and dermatan sulfate proteoglycans synthesized by normal rat glomeruli. Klein DJ, et al. **J Biol Chem** 1986 Dec 15;261(35):16636–52

Effects of inhibition of proteoglycan synthesis on the differentiation of cultured rat Schwann cells. Carey DJ, et al. **J Cell Biol** 1987 Aug;105(2):1013–21

Effect of vanadate on cartilage–matrix proteoglycan synthesis in rabbit costal chondrocyte cultures. Kato Y, et al. **J Cell Biol** 1987 Feb;104(2):311–9

Stimulation of sulfated–proteoglycan synthesis by forskolin in monolayer cultures of rabbit articular chondrocytes. Malemud CJ, et al. **J Cell Physiol** 1986 Oct;129(1):51–9

Regeneration and degradation of basal lamina–associated anionic sites in vitro. Manabe M. **J Dermatol (Tokyo)** 1987 Apr;14(2):95–100

Xyloside inhibits synthesis of the class II–associated chondroitin sulfate proteoglycan and antigen presentation events. Rosamond S, et al. **J Immunol** 1987 Sep 15; 139(6):1946–51

Expression of anionic sites at the dermoepibolic junction. Manabe M, et al. **J Invest Dermatol** 1987 Jan;88(1):94–6

The effect of "matrigenin" activity from bone on glycosaminoglycan and proteoglycan synthesis by cultured cells from articular tissues. Anastassiades T, et al. **J Rheumatol** 1987 May;14 Spec No:70–2

Newly synthesized and endogenous proteoglycans in human osteoarthritic knee cartilage. Martel–Pelletier J, et al. **J Rheumatol** 1987 Apr;14(2):321–8

Biosynthesis of cartilage proteoglycan and link protein. Kimura JH, et al. **Methods Enzymol** 1987;144:372–93

Potential of human polymorphonuclear leukocytes to synthesize and secrete sulfated proteoglycans. Levitt D, et al. **Mol Immunol** 1986 Oct;23(10):1125–32

Heparin sequences in the heparan sulfate chains of an endothelial cell proteoglycan. Nader HB, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3565–9

CHEMICAL SYNTHESIS

[Synthesis of xylose–containing glycopeptides that contain the amino acid sequence 4 bis 7 des NH2–terminus of the protein core structure of cattle skin proteodermatan sulfates] Garg HG, et al. **Carbohydr Res** 1986 Aug 15; 151:225–32 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Distinctive populations of basement membrane and cell membrane heparan sulfate proteoglycans are produced by cultured cell lines. Stow JL, et al. **J Cell Biol** 1987 Jul; 105(1):529–39

GENETICS

Biosynthetic precursors of cartilage chondroitin sulfate proteoglycan. Vertel BM, et al. **Coll Relat Res** 1987 Apr; 7(1):57–75

Cartilage proteoglycan core protein gene expression during limb cartilage differentiation. Kosher RA, et al. **Dev Biol** 1986 Nov;118(1):112–7

Biochemical characterization of animal cell glycosylation mutants. Stanley P. **Methods Enzymol** 1987;138:443–58

Characterization of bone PG II cDNA and its relationship to PG II mRNA from other connective tissues. Day AA, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9861–76

Primary structure of an extracellular matrix proteoglycan core protein deduced from cloned cDNA. Krusius T, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7683–7

Structure of the glycosaminoglycan domain in the type IX collagen–proteoglycan. McCormick D, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4044–8

A single gene in mast cells encodes the core peptides of heparin and chondroitin sulfate proteoglycans. Tantravahi RV, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9207–10

IMMUNOLOGY

Proteoglycan epitopes as potential markers of normal and pathologic cartilage metabolism. Hascall VC, et al. **Arthritis Rheum** 1987 May;30(5):586–8 (16 ref.)

Age–related changes in protein–related epitopes of human articular–cartilage proteoglycans. Glant TT, et al. **Biochem J** 1986 May 15;236(1):71–5

Antigenic mimicry between mycobacteria and cartilage proteoglycans: the model of adjuvant arthritis. van Eden W, et al. **Concepts Immunopathol** 1987;4:144–70 (110 ref.)

Monoclonal antibodies reactive with keratan sulfate–bearing tryptic fragments of bovine nasal cartilage proteoglycan. Keiser HD, et al. **Connect Tissue Res** 1987;16(2):131–41

Distribution of proteoglycans antigenically related to corneal keratan sulfate proteoglycan. Funderburgh JL, et al. **J Biol Chem** 1987 Aug 25;262(24):11634–40

A monoclonal antibody that specifically recognizes a glucuronic acid 2–sulfate–containing determinant in intact chondroitin sulfate chain. Yamagata M, et al. **J Biol Chem** 1987 Mar 25;262(9):4146–52

Antivascular antibodies in the sera of patients with senile dementia of the Alzheimer's type. Fillit HM, et al. **J Gerontol** 1987 Mar;42(2):180–4

Interaction of immune complexes with glomerular heparan sulfate–proteoglycans. Kanwar YS, et al. **Kidney Int** 1986 Dec;30(6):842–51

Epitopes of proteoglycans eliciting an anti–proteoglycan response in chronic immune synovitis. Yoo JU, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):832–6

[Alloantibody to proteoglycan induced by osteochondral homotransplantation in rabbits] Watanabe S. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):233–43 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Aortic endothelial cell proteoheparan sulfate. I. Isolation and characterization of plasmamembrane–associated and extracellular species. Keller R, et al. **Am J Pathol** 1987 Aug;128(2):286–98

High–performance ion–exchange chromatographic separation of proteoglycans. Harper GS, et al. **Anal Biochem** 1986 Nov 15;159(1):150–6

Chemical and immunochemical characteristics of proteoglycans in bovine gingiva and dental pulp. Pearson CH, et al. **Arch Oral Biol** 1986;31(8):541–8

Artery wall derived proteoglycan–plasma lipoprotein interaction: lipoprotein binding properties of extracted proteoglycans. Steele RH, et al. **Atherosclerosis** 1987 May; 65(1–2):51–62

Isolation and characterization of a low molecular weight chondroitin sulfate proteoglycan from rabbit skeletal muscle. Parthasarathy N, et al. **Biochemistry** 1987 Jun 2; 26(11):3149–56

Isolation and characterization of proteoglycans from human nonepithelial tumors. Sobue M, et al. **Cancer Res** 1987 Jan 1;47(1):160–8

Acidic glycosaminoglycans, isolation and structural analysis of a proteodermatan sulfate from dermatosparactic calf skin. Matsunaga E, et al. **Coll Relat Res** 1987 Feb; 6(6):467–79

Disulfide–bonded heparan sulfate proteoglycans associated with the surfaces of cultured bovine vascular endothelial cells. Hiss D, et al. **Eur J Biochem** 1987 Jan 2;162(1):89–94

Isolation and characterization of basement membrane and cell proteoheparan sulphates from HR9 cells. Keller R, et al. **Eur J Biochem** 1986 Dec 15;161(3):707–14

Isolation and characterization of proteoglycans and glycosaminoglycans from human chondrosarcoma. Herwig J, et al. **Exp Mol Pathol** 1986 Oct;45(2):118–27

Co–solubilization of asymmetric acetylcholinesterase and dermatan sulfate proteoglycan from the extracellular matrix of rat skeletal muscles. Brandan E, et al. **FEBS Lett** 1987 Mar 9;213(1):159–63

The effect of zwitterionic detergents on the extraction and functional properties of cartilage proteoglycans. Byers S, et al. **J Biol Chem** 1987 Jul 5;262(19):9166–74

The dermatan sulfate proteoglycans of bovine sclera and their relationship to those of articular cartilage. An immunological and biochemical study. Cöster L, et al. **J Biol Chem** 1987 Mar 15;262(8):3809–12

Purification and partial characterization of small proteoglycans I and II, bone sialoproteins I and II, and osteonectin from the mineral compartment of developing human bone. Fisher LW, et al. **J Biol Chem** 1987 Jul 15; 262(20):9702–8

Isolation and characterization of fibronectin–binding proteoglycan carrying both heparan sulfate and dermatan sulfate chains from human placenta. Isemura M, et al. **J Biol Chem** 1987 Jun 25;262(18):8926–33

Heparan sulfate proteoglycans of human lung fibroblasts. Structural heterogeneity of the core proteins of the hydrophobic cell–associated forms. Lories V, et al. **J Biol Chem** 1987 Jan 15;262(2):854–9

Extracellular mammalian polysaccharides: glycosaminoglycans and proteoglycans. Beaty NB, et al. **J Chromatogr** 1987 Jul 17;418:187–222 (215 ref.)

Co–sedimentation of chondroitin sulfate A glycosaminoglycans and proteoglycans with the cytolytic secretory granules of rat large granular lymphocyte (LGL) tumor cells, and identification of a mRNA in normal and transformed LGL that encodes proteoglycans. Stevens RL, et al. **J Immunol** 1987 Aug 1;139(3):863–8

Isolation of the heparan sulfate proteoglycans from the extracellular matrix of rat skeletal muscle. Brandan E, et al. **J Neurobiol** 1987 May;18(3):271–82

Isolation and characterization of the link proteins. Baker JR, et al. **Methods Enzymol** 1987;144:401–12

Isolation and characterization of proteoglycans. Heinegård D, et al. **Methods Enzymol** 1987;144:319–72

Proteoglycans of mineralized matrices. Prince CW. **Methods Enzymol** 1987;145:261–9

Basement membranes. Timpl R, et al. **Methods Enzymol** 1987; 145:363–91

Proteoglycans: isolation and purification from tissue cultures. Yanagishita M, et al. **Methods Enzymol** 1987;138:279–89

Preparative electrophoresis on agarose submerged gels of two aggregating proteoglycan monomers from articular cartilage. Stanescu V, et al. **Prep Biochem** 1987; 17(3):229–38

Purification and characterization of a platelet aggregation inducer from Calloselasma rhodostoma (Malayan pit viper) snake venom. Ouyang CH, et al. **Toxicon** 1986;24(7):633–43

METABOLISM

Proteoglycans and hypertension: III: Aorta proteoglycans in Dahl salt–sensitive hypertensive rats. Reynertson RH, et al. **Am J Med Sci** 1987 Mar;293(3):171–6

Stimulation of proteoglycans by IGF I and II in microvessel and large vessel endothelial cells. Bar RS, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E21–7

A solid–phase immunoassay for the binding of cartilage proteoglycan to hyaluronic acid. Keiser HD. **Anal Biochem** 1987 Feb 1;160(2):462–7

Sulfated proteoglycans produced by rat dorsal root ganglion cells. Carey DJ, et al. **Ann NY Acad Sci** 1986;486:155–69

Modulation of proteoglycan metabolism by aortic smooth muscle cells grown on collagen gels. Lark MW, et al. **Arterioscler Dis** 1986 Nov–Dec;6(6):638–50

Proteoglycan–degrading acid metalloprotease activity in human osteoarthritic cartilage, and the effect of intraarticular steroid injections. Pelletier JP, et al. **Arthritis Rheum** 1987 May;30(5):541–8

Bacterial arthritis. A staphylococcal proteoglycan–releasing factor. Smith RL, et al. **Arthritis Rheum** 1986 Nov; 29(11):1378–86

The immunologic detection and characterization of cartilage proteoglycan degradation products in synovial fluids of patients with arthritis. Witter J, et al. **Arthritis Rheum** 1987 May;30(5):519–29

Effect of tolfenamic acid on the metabolism of the main connective tissue components in rats. Krajíčková J, et al. **Arzneimittelforschung** 1987 Feb;37(2):177–80

Proteoglycan composition of rabbit arterial wall under conditions of experimentally induced atherosclerosis. Alavi MZ, et al. **Atherosclerosis** 1987 Jan;63(1):65–74

Lipoprotein interaction with artery wall derived proteoglycan: comparisons between atherosclerosis–susceptible WC–2 and resistant Show Racer pigeons. Steele RH, et al. **Atherosclerosis** 1987 May; 65(1–2):63–73

Oversulfated chondroitin sulfate proteoglycan in cultured human peritoneal macrophages. Kolset SO. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):377–82

The action of human articular–cartilage metalloproteinase on proteoglycan and link protein. Similarities between products of degradation in situ and in vitro. Campbell IK, et al. **Biochem J** 1986 Jul 1;237(1):117–22

Rat heparins. A study of the relative sizes and antithrombin–binding characteristics of heparin proteoglycans, chains and depolymerization products from rat adipose tissue, heart, lungs, peritoneal cavity and skin. Horner AA. **Biochem J** 1986 Nov 15;240(1):171–9

Location of antithrombin–binding regions in rat skin heparin proteoglycans. Jacobsson KG, et al. **Biochem J** 1986 Dec 15;240(3):625–32

Low–density–lipoprotein binding by mast–cell granules. Demonstration of binding of apolipoprotein B to heparin proteoglycan of exocytosed granules. Kokkonen JO, et al. **Biochem J** 1987 Jan 15;241(2):583–9

Proteoglycans in health and disease: structures and functions. Poole AR. **Biochem J** 1986 May 15;236(1):1–14 (257 ref.)

Articular cartilage cultured with interleukin 1. Increased release of link protein, hyaluronate–binding region and other proteoglycan fragments. Ratcliffe A, et al. **Biochem J** 1986 Sep 1;238(2):571–80

Comparison of small proteoglycans from skin fibroblasts and vascular smooth–muscle cells. Rauch U, et al. **Biochem J** 1986 Sep 1;238(2):465–74

Proteoglycan degradation by a chondrocyte metalloprotease. Effects of synthetic protease inhibitors. Caputo CB, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):995–1002

Proliferation–dependent changes of proteoglycan metabolism in arterial smooth muscle cells. Schmidt A, et al. **Biol Chem Hoppe Seyler** 1987 Mar;368(3):277–84

Proteoglycan–collagen interactions in intervertebral disc. A chondroitin sulphate proteoglycan associates with collagen fibrils in rabbit annulus fibrosus at the d–e bands. Scott JE, et al. **Biosci Rep** 1986 Oct;6(10):879–88

Loss of proteoglycans during decalcification of fresh metaphyses with disodium ethylenediaminetetraacetate (EDTA). Campo RD, et al. **Calcif Tissue Int** 1987 Jul; 41(1):52–5

The effects of proteoglycans from different cartilage types on in vitro hydroxyapatite proliferation. Chen CC, et al. **Calcif Tissue Int** 1986 Nov;39(5):324–7

Binding of calcium by proteoglycans in vitro. Dziewiatkowski DD. **Calcif Tissue Int** 1987 May; 40(5):265–9

Extracellular matrix proteoglycans and cell–substratum adhesion of human endothelial cells: the effect of methyl beta–D–xylopyranoside. Gordon PB, et al. **Carbohydr Res** 1986 Aug 15;151:121–34

Proteoglycan–collagen interactions. Scott JE. **Ciba Found Symp** 1986;124:104–24

Vascular cell proteoglycans: evidence for metabolic modulation. Wight TN, et al. **Ciba Found Symp** 1986; 124:241–59

Reparative response of human articular cartilage in tissue culture. Comparison between a normal and an osteoarthritic knee of the same donor. Luyten FP, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):103–10

Interleukin-1 stimulates the secretion of proteoglycan- and collagen-degrading proteases by rabbit articular chondrocytes. Pasternak RD, et al. **Clin Immunol Immunopathol** 1986 Dec;41(3):351-67

Ageing and the aggregating proteoglycans of human articular cartilage. Roughley PJ, et al. **Clin Sci** 1986 Oct; 71(4):337-44 (88 ref.)

An ion-exchange mechanism of cartilage calcification. Hunter GK. **Connect Tissue Res** 1987;16(2):111-20

Maturation of proteoglycan matrix in articular cartilage under increased and decreased joint loading. A study in young rabbits. Säämänen AM, et al. **Connect Tissue Res** 1987;16(2):163-75

Evidence of a small hydrophobic domain in the core protein of the heparan sulfate proteoglycan from human colon carcinoma cells. Iozzo RV, et al. **FERS Lett** 1986 Oct 6; 206(2):304-8

Glycosaminoglycan, proteoglycan, and hepatic fibrosis [editorial] Arenson DM, et al. **Gastroenterology** 1987 Feb; 92(2):536-8

67Ga binding to sulfated proteoglycan in normal and CCl4-damaged liver. Sasaki T, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):573-6

Association of heparan sulfate proteoglycan and laminin with the cytoskeleton in rat liver. Carey DJ, et al. **J Biol Chem** 1987 Mar 5;262(7):3376-81

The effects of 6-diazo-5-oxo-L-norleucine, a glutamine analogue, on the structure of the major cartilage proteoglycan synthesized by cultured chondrocytes. Clark CC, et al. **J Biol Chem** 1987 Jul 25;262(21):10229-38

Turnover of heparan sulfate proteoglycan in human colon carcinoma cells. A quantitative biochemical and autoradiographic study. Iozzo RV. **J Biol Chem** 1987 Feb 5;262(4):1888-900

Involvement of phosphatidylinositol and insulin in the coordinate regulation of proteoheparan sulfate metabolism and hepatocyte growth. Ishihara M, et al. **J Biol Chem** 1987 Apr 5;262(10):4708-16

Multiple forms of heparan sulfate proteoglycans in the Engelbreth-Holm-Swarm mouse tumor. The occurrence of high density forms bearing both heparan sulfate and chondroitin sulfate side chains. Kato M, et al. **J Biol Chem** 1987 May 25;262(15):7180-8

Structure and affinity for antithrombin of heparan sulfate chains derived from basement membrane proteoglycans. Pejler G, et al. **J Biol Chem** 1987 Apr 15;262(11):5036-43

Complexes of heparin proteoglycans, chondroitin sulfate E proteoglycans, and [3H]diisopropyl fluorophosphate-binding proteins are exocytosed from activated mouse bone marrow-derived mast cells. Serafin WE, et al. **J Biol Chem** 1986 Nov 15;261(32):15017-21

N-terminal carbamylation of the hyaluronic acid-binding region and the link protein from the chondrosarcoma proteoglycan aggregate. Stevens JW, et al. **J Biol Chem** 1986 Nov 25;261(33):15442-9

Heparan sulfate proteoglycan synthesis and metabolism by mouse uterine epithelial cells cultured in vitro. Tang JP, et al. **J Biol Chem** 1987 Sep 15;262(26):12832-42

Chondroitin sulfate proteoglycan (PG-M-like proteoglycan) is involved in the binding of hyaluronic acid to cellular fibronectin. Yamagata M, et al. **J Biol Chem** 1986 Oct 15; 261(29):13526-35

Conditioning of native substrates by chondroitin sulfate proteoglycans during cardiac mesenchymal cell migration. Funderburg FM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2475-87

The melanoma proteoglycan: restricted expression on microspikes, a specific microdomain of the cell surface. Garrigues HJ, et al. **J Cell Biol** 1986 Nov;103(5):1699-710

Cell surface proteoglycan associates with the cytoskeleton at the basolateral cell surface of mouse mammary epithelial cells. Rapraeger A, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2683-96

Interaction of small dermatan sulfate proteoglycan from fibroblasts with fibronectin. Schmidt G, et al. **J Cell Biol** 1987 Jun;104(6):1683-91

Localization of binding sites for laminin, heparan sulfate proteoglycan and fibronectin on basement membrane (type IV) collagen. Laurie GW, et al. **J Mol Biol** 1986 May 5; 189(1):205-16

Light microscopic immunolocalization of laminin, type IV collagen, nidogen, heparan sulphate proteoglycan and fibronectin in the enteric nervous system of rat and guinea pig. Bannerman PG, et al. **J Neurocytol** 1986 Dec; 15(6):733-43

Electron microscopic analysis of articular cartilage proteoglycan degradation by growth plate enzymes. Buckwalter JA, et al. **J Orthop Res** 1987;5(1):128-32

Fibronectin and water content of articular cartilage explants after partial depletion of proteoglycans. Burton-Wurster N, et al. **J Orthop Res** 1986;4(4):437-45

The response of the canine intervertebral disc to immobilization produced by spinal arthrodesis is dependent on constitutional factors. Cole TC, et al. **J Orthop Res** 1987;5(3):337-47

Effects of antimalarial drugs on interleukin 1-induced cartilage proteoglycan degradation in-vitro. Rainsford KD. **J Pharm Pharmacol** 1986 Nov;38(11):829-33

Effect of synthetic metalloprotease inhibitors on cartilage autolysis in vitro. Caputo CB, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):460-5

Cartilage proteoglycan changes in experimental canine osteoarthritis. Adams ME, et al. **J Rheumatol** 1987 May; 14 Spec No:107-9

Cartilage proteoglycans in degenerative joint disease. Heinegård D, et al. **J Rheumatol** 1987 May;14 Spec No:110-2

The in vitro effect of select classes of nonsteroidal antiinflammatory drugs on normal cartilage metabolism. Herman JH, et al. **J Rheumatol** 1986 Dec;13(6):1014-8

In vitro repair potential of articular cartilage: proteoglycan metabolism in the different areas of the femoral condyles in human cartilage explants. Luyten FP, et al. **J Rheumatol** 1987 Apr;14(2):329-34

Proteoglycans from experimental osteoarthritic cartilage: degradation by neutral metalloproteases. Pelletier JP, et al. **J Rheumatol** 1987 May;14 Spec No:113-5

Immunodetection and characterization of the degradation of cartilage proteoglycans in vitro and in vivo. Poole AR, et al. **J Rheumatol** 1987 May;14 Spec No:80-2

Structural changes in the proteoglycans of human articular cartilage during aging. Roughley PJ. **J Rheumatol** 1987 May;14 Spec No:14-5

Spontaneous secretion of a proteoglycan releasing factor by mononuclear cells in juvenile arthritis. Silverman ED, et al. **J Rheumatol** 1987 Jun;14(3):540-7

Proteoglycan-degrading metalloproteases of human articular cartilage. Woessner JF Jr, et al. **J Rheumatol** 1987 May; 14 Spec No:36-7

Chondroitin 6-sulfate proteoglycans constructing hemopoietic microenvironment in bone marrow. Oguri K, et al. **Keio J Med** 1987 Jan;36(1):67-70

Status of glomerular proteoglycans in aminonucleoside nephrosis. Lelongt B, et al. **Kidney Int** 1987 Jun; 31(6):1299-310

Biology of cell surface heparan sulfate proteoglycans. Jalkanen M. **Med Biol** 1987;65(1):41-7 (62 ref.)

Catabolism and turnover of proteoglycans. Handley CJ, et al. **Methods Enzymol** 1987;144:412-9

Noncollagenous bone proteins in experimental rickets in the rat. Wientroub S, et al. **Mol Cell Biochem** 1987 Apr; 74(2):157-62

Transforming growth factor type beta specifically stimulates synthesis of proteoglycan in human adult arterial smooth muscle cells. Chen JK, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5287-91

A proteoglycan with HNK-1 antigenic determinants is a neuron-associated ligand for cytotactin. Hoffman S, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2523-7

Interleukin 1 induces leukocyte infiltration and cartilage proteoglycan degradation in the synovial joint. Pettipher ER, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8749-53

Proteoglycan- and collagen-degrading enzymes from human interleukin 1-stimulated chondrocytes from several species: proteoglycanase and collagenase inhibitors as potentially new disease-modifying antiarthritic agents. DiPasquale G, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):262-7

Basement membrane proteoglycans of the kidney. Kanwar YS, et al. **Semin Nephrol** 1985 Dec;5(4):307-13

[Excretion of proteoglycan degradation products in the urine in patients with rheumatoid arthritis and osteoarthrosis] Krajíčková J, et al. **Vnitr Lek** 1987 Feb;33(2):129-33 (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

The effect of a biological response modifier, PSK, on the intestinal immune system in tumor-bearing mice. Matsunaga K, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):509-12

Immunity to cartilage proteoglycans in BALB/c mice with progressive polyarthritis and ankylosing spondylitis induced by injection of human cartilage proteoglycan. Mikecz K, et al. **Arthritis Rheum** 1987 Mar;30(3):306-18

The effect of proteoglycans, collagen and lysyl oxidase on the metabolism of low density lipoprotein by macrophages. Ylä-Herttuala S, et al. **Atherosclerosis** 1986 Oct;62(1):73-80

The effect of proteoglycans on the morphology of collagen fibrils formed in vitro. Vogel KG, et al. **Coll Relat Res** 1987 Jun;7(2):105-14

Glycosaminoglycans and proteoglycans induce gap junction expression and restore transcription of tissue-specific mRNAs in primary liver cultures. Fujita M, et al. **Hepatology** 1987 Jan-Feb;7(1 Suppl):1S-9S

Intact proteoglycan is a polyclonal activator of murine B-lymphocytes. Siegel JN, et al. **Immunol Lett** 1987 Jun; 15(2):127-32

Proteoglycans and glycosaminoglycans induce gap junction synthesis and function in primary liver cultures. Spray DC, et al. **J Cell Biol** 1987 Jul;105(1):541-51

Correction of abnormal matrix formed by cmd/cmd chondrocytes in culture by exogenously added cartilage proteoglycan. Takeda M, et al. **J Cell Biol** 1986 Oct; 103(4):1605-14

Heparan sulfate proteoglycan and laminin mediate two different types of neurite outgrowth. Hantaz-Ambroise D, et al. **J Neurosci** 1987 Aug;7(8):2293-304

In vitro effects of glucidamine on adrenergic stimulated lipolysis and on lipoprotein lipase activity in human adipose tissue. Enzi G, et al. **Pharmacol Res Commun** 1986 Sep; 18(9):769-74

Glycosaminoglycans and a newly purified aortic chondroitin proteoglycan block polycationic modulation of protein phosphatase activity. Gifford D, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):64-73

[A suppressive effect of PSK, a protein-bound polysaccharide preparation, on tumor growth: a new effect of PSK on cell motility] Katano M, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2321-6 (Eng. Abstr.) **(Jpn)**

[Restoration of depressed immune responses by PSK in C3H/He mice bearing the syngeneic X5563 tumor] Matsunaga K, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3453-60 (Eng. Abstr.) **(Jpn)**

[Restoration of immunologic responsiveness by PSK in tumor-bearing animals] Matsunaga K, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3468-75 (Eng. Abstr.) **(Jpn)**

[Competitive effect of PSK against the immunosuppressive effect induced in the sera of mice bearing syngeneic tumors] Matsunaga K, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3461-7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Mechanical behavior of articular cartilage quantitative changes with enzymatic alteration of the proteoglycan fraction. Parsons JR, et al. **Bull Hosp Jt Dis Orthop Inst** 1987 Spring;47(1):13-30

Functions of the proteoglycans. **Ciba Found Symp** 1986; 124:1-299

Heparan sulphate proteoglycan as mediator of some adhesive responses and cytoskeletal reorganization of cells on fibronectin matrices: independent versus cooperative functions. Culp LA, et al. **Ciba Found Symp** 1986; 124:158-83

The functions of the heparan sulphate proteoglycans. Fransson LA, et al. **Ciba Found Symp** 1986;124:125-42

Cartilage proteoglycans. Hardingham TE, et al. **Ciba Found Symp** 1986;124:30-46

Functions of the proteoglycans. Introduction. Hascall VC. **Ciba Found Symp** 1986;124:1-8

Functions of proteoglycans at the cell surface. Höök M, et al. **Ciba Found Symp** 1986;124:143-57

Structure and function of basement membrane proteoglycans. Paulsson M, et al. **Ciba Found Symp** 1986;124:189-203

Biological roles of dermatan sulphate proteoglycans. Rosenberg LC, et al. **Ciba Found Symp** 1986;124:47-68

Secretory granule proteoglycans of mast cells and natural killer cells. Stevens RL. **Ciba Found Symp** 1986;124:272-85

In vivo degradation systems of the epiphyseal cartilage. Kawabe N, et al. **Clin Orthop** 1986 Oct;(211):244-51

A monoclonal antibody that blocks the activity of a neurite regeneration-promoting factor: studies on the binding site and its localization in vivo. Chiu AY, et al. **J Cell Biol** 1986 Oct;103(4):1383-98

Inhibition of proteoglycan synthesis eliminates the proteoglycan form of Ia-associated invariant chain and depresses antigen presentation. Sivak LE, et al. **J Immunol** 1987 Mar 1;138(5):1319-21

Glycoconjugates in dentinogenesis and dentine. Goldberg M, et al. **Prog Histochem Cytochem** 1987;17(2):1-112

[Proteoglycans of animal tissue and their effect on DNA synthesis] Zimina NP, et al. **Biokhimiia** 1986 Sep; 51(9):1555-61 (Eng. Abstr.) **(Rus)**

SECRETION

An in vitro system for studying cartilage degradation by macrophages. Williams JD, et al. **Biomed Pharmacother** 1987;41(2):89-92

Altered secretion of chondroitin sulfate proteoglycan in Duchenne muscular dystrophy cultures. Hutchison CJ, et al. **J Neurol Sci** 1987 Jun;79(1-2):77-81

THERAPEUTIC USE

The efficacy of biological response modifiers against murine cytomegalovirus infection in normal and immunodeficient mice. Okada M, et al. **Microbiol Immunol** 1987;31(1):45-57

[Effectiveness of multidisciplinary treatment combined with immunotherapy in esophageal cancer--analysis of 287 cases of carcinoma of the thoracic part of the esophagus in Kyushu and Yamaguchi districts] Sugimachi K, et al. **Gan No Rinsho** 1987 Jun;33(7):777-83 (Eng. Abstr.) **(Jpn)**

[Antitumor effect of PSK (1). Interferon-inducing activity and intratumoral administration] Ebina T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1841-6 (Eng. Abstr.) **(Jpn)**

[Antitumor effect of PSK (2): effector mechanism of the antimetastatic effect in the "double grafted tumor system"] Ebina T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1847-53 (Eng. Abstr.) **(Jpn)**

[Clinical results of a randomized controlled trial on the effect of adjuvant immunochemotherapy using Esquinon and Krestin in patients with curatively resected gastric cancer--7-year survival--Cooperative Study Group for Cancer Immunochemotherapy, Tokai Gastrointestinal Oncology Group] Ichihashi H, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2758-66 (Eng. Abstr.) **(Jpn)**

[Evaluation of immunochemotherapy in patients with primary liver cancer. Osaka Research Society for Liver, Gallbladder and Pancreas] Kojima J, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):179-87 (Eng. Abstr.) **(Jpn)**

[Evaluation of postoperative immunochemotherapy of lung

cancer] Ikeda T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1987 Jan;35(1):1–4 (Eng. Abstr.) **(Jpn)**

PROTEOLIPIDS

see related

LIPOPROTEINS

Structural characteristics and intermolecular organization of human pulmonary-surfactant-associated proteins. Crawford SW, et al. **Biochem J** 1986 Nov 15;240(1):107–14

Preparation and some properties of giant liposomes and proteoliposomes. Higashi K, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):433–40

Secondary structure of the hydrophobic myelin protein in a lipid environment as determined by Fourier-transform infrared spectrometry. Surewicz WK, et al.
J Biol Chem 1987 Jun 25;262(18):8598–602

Structural basis of human erythrocyte glucose transporter function in proteoliposome vesicles: circular dichroism measurements. Chin JJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4113–6

ANALYSIS

Characterization and partial amino acid sequence of a low molecular weight surfactant protein. Phelps DS, et al.
Am Rev Respir Dis 1987 May;135(5):1112–7

The intramembranous domains of lipophilin in phosphatidylcholine vesicles are similar to those in the myelin membrane. Kahan I, et al.
Biochim Biophys Acta 1986 Nov 6;862(1):223–6

Phospholipid binding and biophysical activity of pulmonary surfactant-associated protein (SAP)-35 and its non-collagenous COOH-terminal domains. Ross GF, et al. **J Biol Chem** 1986 Oct 25;261(30):14283–91

Surfactant associated protein (SAP-35) in amniotic fluid from diabetic and nondiabetic pregnancies. McMahan MJ, et al. **Obstet Gynecol** 1987 Jul;70(1):94–8

[Study of conditions of association of liposomes modified by Ca2+-ATPase in the organic phase-water system] Preobrazhenskaia TD, et al. **Ukr Biokhim Zh** 1987 Jan–Feb; 59(1):66–70 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Defective biosynthesis of proteolipid protein in Pelizaeus-Merzbacher disease. Koeppen AH, et al.
Ann Neurol 1987 Feb;21(2):159–70

Differential effects of epidermal growth factor and transforming growth factor-beta on synthesis of Mr = 35,000 surfactant-associated protein in fetal lung. Whitsett JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7908–13

BLOOD

Proteolipid identified by magnetic resonance spectroscopy in plasma of a patient with borderline ovarian tumour. Mountford CE, et al. **Lancet** 1987 Apr 11;1(8537):829–34

DEFICIENCY

Abnormal compact myelin in the myelin-deficient rat: absence of proteolipid protein correlates with a defect in the intraperiod line. Duncan ID, et al.
Proc Natl Acad Sci USA 1987 Sep;84(17):6287–91

GENETICS

The coding sequence for the 32,000-dalton pulmonary surfactant-associated protein A is located on chromosome 10 and identifies two separate restriction-fragment-length polymorphisms. Fisher JH, et al. **Am J Hum Genet** 1987 Jun;40(6):503–11

Human liver cDNA clones encoding proteolipid subunit 9 of the mitochondrial ATPase complex. Farrell LB, et al.
Biochem Biophys Res Commun 1987 May 14;144(3):1257–64

Isolation and sequence of a cDNA clone for the rat pulmonary surfactant-associated protein (PSP-A). Sano K, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):367–74

Human myelin DM-20 proteolipid protein deletion defined by cDNA sequence. Simons R, et al.
Biochem Biophys Res Commun 1987 Jul 31;146(2):666–71

In vitro sulfation of pulmonary surfactant-associated protein-35. Weaver TE, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):205–11

Cloned proteolipid protein and myelin basic protein cDNA. Transcription of the two genes during myelination. Schaich M, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):825–34

Yeast mitochondrial ATPase subunit 8, normally a mitochondrial gene product, expressed in vitro and imported back into the organelle. Gearing DP, et al.
EMBO J 1986 Dec 20;5(13):3651–5

Molecular evolution and nucleotide sequences of the maize plastid genes for the alpha subunit of CF1 (atpA) and the proteolipid subunit of CF0 (atpH). Rodermel SR, et al.
Genetics 1987 May;116(1):127–39

The 35 kd pulmonary surfactant-associated protein is encoded on chromosome 10. Bruns G, et al.
Hum Genet 1987 May;76(1):58–62

Isolation of a cDNA clone encoding a high molecular weight precursor to a 6-kDa pulmonary surfactant-associated protein. Jacobs KA, et al. **J Biol Chem** 1987 Jul 15; 262(20):9808–11

Induction of surfactant protein in fetal lung. Effects of cAMP and dexamethasone on SAP-35 RNA and synthesis. Whitsett JA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5256–61

Regulation of pulmonary surfactant apoprotein SP 28–36 gene in fetal human lung. Ballard PL, et al.
Proc Natl Acad Sci USA 1986 Dec;83(24):9527–31

Individual exons encode the integral membrane domains of human myelin proteolipid protein. Diehl HJ, et al.
Proc Natl Acad Sci USA 1986 Dec;83(24):9807–11

cDNA and deduced amino acid sequence of human pulmonary surfactant-associated proteolipid SPL(Phe). Glasser SW, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4007–11

Nucleotide and amino acid sequences of pulmonary surfactant protein SP 18 and evidence for cooperation between SP 18 and SP 28–36 in surfactant lipid adsorption. Hawgood S, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):66–70

Aberrant splicing of proteolipid protein mRNA in the dysmyelinating jimpy mutant mouse. Hudson LD, et al.
Proc Natl Acad Sci USA 1987 Mar;84(5):1454–8

Splice site selection in the proteolipid protein (PLP) gene transcript and primary structure of the DM-20 protein of central nervous system myelin. Nave KA, et al.
Proc Natl Acad Sci USA 1987 Aug;84(16):5665–9

Jimpy mutant mouse: a 74-base deletion in the mRNA for myelin proteolipid protein and evidence for a primary defect in RNA splicing. Nave KA, et al.
Proc Natl Acad Sci USA 1986 Dec;83(23):9264–8

IMMUNOLOGY

Development of the pulmonary acinus in fetal rat lung: a study based on an antiserum recognizing surfactant-associated proteins. Otto-Verberne CJ, et al.
Anat Embryol (Berl) 1987;175(3):365–73

Haptenic oligosaccharides in antigenic variants of mycobacterial C-mycosides antagonize lipid receptor activity for mycobacteriophage D4 by masking a methylated rhamnose. Dhariwal KR, et al. **J Bacteriol** 1986 Oct;168(1):283–93

DM-20, a proteolipid apoprotein, is an encephalitogen of acute and relapsing autoimmune encephalomyelitis in mice. Endoh M, et al. **J Immunol** 1986 Dec 15;137(12):3832–5

Myelin basic protein and proteolipid protein reactivity of brain- and cerebrospinal fluid-derived T cell clones in multiple sclerosis and postinfectious encephalomyelitis. Hafler DA, et al. **J Immunol** 1987 Jul 1;139(1):68–72

Cell-mediated immunity to myelin-associated glycoprotein, proteolipid protein, and myelin basic protein in multiple sclerosis. Johnson D, et al. **J Neuroimmunol** 1986 Nov; 13(1):99–108

Passive transfer of experimental allergic encephalomyelitis induced by proteolipid apoprotein. Yamamura T, et al.
J Neurol Sci 1986 Dec;76(2-3):269–75

ISOLATION & PURIFICATION

[Proteolipids of brain myelin and synaptosomes in the frog and hen] Denisova NA, et al. **Zh Evol Biokhim Fiziol** 1986 Jul–Aug;22(4):394–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Phosphorin, a phosphate-binding hydrophobic protein isolated from renal brush border membranes. Kessler RJ, et al. **Adv Exp Med Biol** 1986;208:83–92

Effects of triorganotin-mediated anion-hydroxide exchange upon reconstituted cytochrome c oxidase proteoliposomes. Singh AP, et al. **Biochem Cell Biol** 1986 Jul;64(7):647–55

Post-translational modification of the major human surfactant-associated proteins. Phelps DS, et al.
Biochem J 1986 Jul 15;237(2):373–7

Solubilization and reconstitution of hepatic System A-mediated amino acid transport. Preparation of proteoliposomes containing glucagon-stimulated transport activity. Bracy DS, et al. **Biochim Biophys Acta** 1987 May 12;899(1):51–8

Acylation of endogenous myelin proteolipid protein with different acyl-CoAs. Bizzozero OA, et al. **J Biol Chem** 1987 Feb 15;262(5):2138–45

Calcium-induced desensitization of acetylcholine release from synaptosomes or proteoliposomes equipped with mediatophore, a presynaptic membrane protein. Israël M, et al. **J Neurochem** 1987 Sep;49(3):975–82

Arrest of proteolipid transport through the Golgi apparatus in Jimpy brain. Roussel G, et al. **J Neurocytol** 1987 Apr; 16(2):195–204

Vitamin K-dependent carboxylation of pulmonary surfactant-associated proteins. Rannels SR, et al.
Proc Natl Acad Sci USA 1987 Aug;84(16):5952–6

[Reconstitution of high-affinity galactose transport of Salmonella typhimurium in proteoliposomes: energization by lipoamide and NAD or by the membrane potential; inhibition by ATP] Richarme G. **C R Acad Sci [III]** 1987; 305(3):55–8 (Eng. Abstr.) **(Fre)**

[Active transport of Na+ by modified Na,K-ATPase] Boldyrev AA, et al. **Biokhimiia** 1986 Aug;51(8):1398–405 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Augmentation of rat alveolar macrophage migration by surfactant protein. Hoffman RM, et al.
Am Rev Respir Dis 1987 Jun;135(6):1358–62

PROTEOLYTIC ENZYMES see **PEPTIDE HYDROLASES**

PROTESTANTISM see **CHRISTIANITY**

PROTEUS

ANALYSIS

Identification of porins in outer membrane of Proteus, Morganella, and Providencia spp. and their role in outer membrane permeation of beta-lactams. Mitsuyama J, et al.
Antimicrob Agents Chemother 1987 Mar;31(3):379–84

CLASSIFICATION

[A molecular biology method of typing the thermolabile enterotoxin determinants of Proteus strains isolated from acute intestinal infections] Bondarenko VM, et al.
Lab Delo 1987;(4):289–91 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibition of Providencia stuartii cell envelope enzymes by chlorhexidine. Chopra I, et al. **J Antimicrob Chemother** 1987 Jun;19(6):743–51

Reversal of the surface effects of chlorhexidine diacetate on cells of Providencia stuartii. Ismaeel N, et al.
J Appl Bacteriol 1986 Nov;61(5):373–81

[Nationwide study of the antimicrobial susceptibility of clinical isolates of Proteus group in Japan] Igari J, et al.
Jpn J Antibiot 1987 Apr;40(4):823–42 (Eng. Abstr.) **(Jpn)**

[Antibiotic sensitivity of bacteria in the genus Proteus in relation to the source of isolation and specific classification] Nekhorosheva AG, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):39–42 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Purification and properties of a beta-lactamase from Proteus penneri. Grace ME, et al. **J Antibiot (Tokyo)** 1986 Jul; 39(7):938–42

Inducible expression of an aminoglycoside-acetylating enzyme in Providencia stuartii. Swiatlo E, et al.
J Antimicrob Chemother 1987 Jan;19(1):27–30

[Isolation and properties of aminocaprolactam hydrolase from Providencia alcalifaciens] Galaev IuV, et al.
Ukr Biokhim Zh 1987 Jan–Feb;59(1):19–24 (Eng. Abstr.) **(Rus)**

GENETICS

Genetic and biochemical diversity of ureases of Proteus, Providencia, and Morganella species isolated from urinary tract infection. Jones BD, et al. **Infect Immun** 1987 Sep; 55(9):2198–203

Cloning of urease gene sequences from Providencia stuartii. Mobley HL, et al. **Infect Immun** 1986 Oct;54(1):161–9

Identification of two different hemolysin determinants in uropathogenic Proteus isolates. Welch RA.
Infect Immun 1987 Sep;55(9):2183–90

Expression and regulation of the penicillin G acylase gene from Proteus rettgeri cloned in Escherichia coli. Daumy GO, et al. **J Bacteriol** 1986 Oct;168(1):431–3

The secreted hemolysins of Proteus mirabilis, Proteus vulgaris, and Morganella morganii are genetically related to each other and to the alpha-hemolysin of Escherichia coli. Koronakis V, et al. **J Bacteriol** 1987 Apr; 169(4):1509–15

IMMUNOLOGY

Somatic evolution of diversity among anti-phosphocholine antibodies induced with Proteus morganii. Claflin JL, et al. **J Immunol** 1987 May 1;138(9):3060–8

[Antigenic polysaccharides of bacteria. 22. Structure of the O-specific polysaccharide chain of Proteus hauseri lipopolysaccharide] Vinogradov EV, et al. **Bioorg Khim** 1987 May;13(5):660–9 (Eng. Abstr.) **(Rus)**

[Immunologic prevention of postoperative suppurative-inflammatory complications in cancer of the stomach] Kochetkova VA, et al. **Sov Med** 1986;(12):23–7 (Eng. Abstr.) **(Rus)**

[Pseudomonas aeruginosa and Proteus antigenemia and antibody formation in mono- and mixed infections in patients with suppurative inflammatory diseases] Bulava GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb; (2):63–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Prevalence of Proteus species in urinary tract infections. Shriniwas, et al. **Indian J Med Res** 1986 Aug;84:148–54

Expanded clinical spectrum of infections caused by Proteus penneri. Krajden S, et al. **J Clin Microbiol** 1987 Mar; 25(3):578–9

Adherence to uroepithelial cells of Providencia stuartii isolated from the catheterized urinary tract. Mobley HL, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2863–72

Speciation, serotyping, antimicrobial sensitivity and plasmid content of Proteeae from the environment of calf-rearing units in South West England. Hawkey PM, et al.
J Hyg (Lond) 1986 Dec;97(3):405–17

[Clinico-bacteriological characteristics of Proteus dysbacteriosis in patients with chronic enteritis] **Kanarelkina SK, et al. Klin Med (Mosk)** 1987 Jan; 65(1):127–30 **(Rus)**

[Resistance of urinary flora from sources outside the hospital (letter)] Tamborero G, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):175 **(Spa)**

PATHOGENICITY

Hemolytic activity and invasiveness in strains of Proteus penneri. Rozalski A, et al. **J Clin Microbiol** 1987 Jun; 25(6):1094–6

Uropathogenicity in rats and mice of Providencia stuartii from long-term catheterized patients. Johnson DE, et al. **J Urol** 1987 Sep;138(3):632–5

PHYSIOLOGY

Adhesive properties of Proteus genus related to antimicrobial agents resistance. Cellini L, et al. **Microbiologica** 1987 Jul; 10(3):291–9

PROTEUS INFECTIONS

[Iconographic rubric. Cerebral abscess caused by Proteus in a 3-week-old infant] Expert-Bezançon MC, et al. **Arch Fr Pediatr** 1986 Nov;43(9):723–5 **(Fre)**

[Thrombophlebitis of the lateral sinus. Apropos of a case] de la Fuente Arjona L, et al. **An Otorrinolaringol Ibero Am** 1987;14(2):163–70 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Post hoc, ergo propter hoc. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Jul 15;22(7):69–73

[Acetohydroxamic acid in the treatment of kidney calculi caused by an infection with urease-producing microorganisms] Lorenz J, et al. **Pol Tyg Lek** 1987 May 4;42(18):541–3 **(Pol)**

DIAGNOSIS

Sniffing out the diagnosis [letter] Stone JM, et al. **Can Med Assoc J** 1986 Oct 1;135(7):729

Fatal nonclostridial gas gangrene in a diabetic: a case report and review of the literature. Sambandan S. **Singapore Med J** 1986 Aug;27(4):341–3

DRUG THERAPY

Ofloxacin: therapeutic activity in experimental infections. Guerra L, et al. **Chemioterapia** 1986 Dec;5(6):375–8

Trimethoprim-sulfamethoxazole therapy of neonatal Proteus mirabilis meningitis unresponsive to cefotaxime. Velvis H, et al. **Pediatr Infect Dis** 1986 Sep-Oct;5(5):591–3

[Effect of prodigiozan, levamisole and methyluracil on the course of an experimental infection and primary immune response] Riabchinskaia LA, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):606–10 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Outbreak of wound infections following outpatient podiatric surgery due to contaminated bone drills. Rutala WA, et al. **Foot Ankle** 1987 Jun;7(6):350–4

Role of internal fixation in infection of open fractures: studies with Staphylococcus aureus and Proteus mirabilis. Merritt K, et al. **J Orthop Res** 1987;5(1):23–8

Uropathogenicity in rats and mice of Providencia stuartii from long-term catheterized patients. Johnson DE, et al. **J Urol** 1987 Sep;138(3):632–5

Nosocomial infectious balanoposthitis in neutropenic patients. Manian FA, et al. **South Med J** 1987 Jul;80(7):909–11

[Infection of a non-traumatic, anticoagulant-induced retroperitoneal hematoma caused by contiguity with a pyonephrosis. Cure by nephrectomy] Gillion JF, et al. **Ann Chir** 1986 May;40(4):274–6 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Pseudomonas aeruginosa and Proteus antigenemia and antibody formation in mono- and mixed infections in patients with suppurative inflammatory diseases] Bulava GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb; (2):63–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Prevalence of Proteus species in urinary tract infections. Shriniwas, et al. **Indian J Med Res** 1986 Aug;84:148–54

Expanded clinical spectrum of infections caused by Proteus penneri. Krajden S, et al. **J Clin Microbiol** 1987 Mar; 25(3):578–9

Survey of multiply resistant Providencia stuartii in a chronic care unit. Swiatlo E, et al. **J Hosp Infect** 1987 Mar; 9(2):182–90

[Gram-negative infection of the foot] Suter L, et al. **Mykosen** 1979 Apr;22(4):109–14 (Eng. Abstr.) **(Ger)**

[Clinico-bacteriological characteristics of Proteus dysbacteriosis in patients with chronic enteritis] **Kanarelkina SK, et al. Klin Med (Mosk)** 1987 Jan; 65(1):127–30 **(Rus)**

[A molecular biology method of typing the thermolabile enterotoxin determinants of Proteus strains isolated from acute intestinal infections] Bondarenko VM, et al. **Lab Delo** 1987;(4):289–91 (Eng. Abstr.) **(Rus)**

NURSING

[Prevalence and care of patients with Proteus mirabilis enteritis] Li XY, et al. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):254–6 **(Chi)**

OCCURRENCE

Spectrum of bacterial pathogens in uncomplicated and complicated urinary tract infections. Bauernfeind A, et al. **Eur Urol** 1987;13 Suppl 1:9–12

PATHOLOGY

[A case of necrotic infection in the face] Slapák I, et al. **Cesk Otolaryngol** 1986 Jul;35(4):266–9 (Eng. Abstr.) **(Cze)**

[A case of septic necrobiosis in leiomyoma of the uterus in the postpartum period. Clinical, echographic and x-ray computed tomography study] Tribalat S, et al. **Rev Fr Gynecol Obstet** 1986 Jun-Jul;81(6-7):385–8 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Immunologic prevention of postoperative suppurative-inflammatory complications in cancer of the stomach] Kochetkova VA, et al. **Sov Med** 1986;(12):23–7 (Eng. Abstr.) **(Rus)**

[A complex vaccine in the prevention of staphylococcal, Pseudomonas aeruginosa and Proteus infections in esophageal cancer patients] Kochetkova VA, et al. **Vopr Onkol** 1987;33(2):58–63 (Eng. Abstr.) **(Rus)**

SURGERY

Successful joint arthroplasty following Proteus morganii (Morganella morganii) septic arthritis: a four-year study. Katz LM, et al. **Arthritis Rheum** 1987 May;30(5):583–5

VETERINARY

Chronic urinary tract infection in dogs: induction by inoculation with bacteria via percutaneous nephropyelostomy. Ling GV, et al. **Am J Vet Res** 1987 May;48(5):794–8

A model for experimental bacterial cystitis in the dog. Senior DF, et al. **Lab Anim Sci** 1986 Oct;36(5):486–91

Proteus mirabilis infection in quail in Burma. Myint A. **Trop Anim Health Prod** 1987 May;19(2):75–6

[High mortality of the Nile tilapia Oreochromis niloticus caused by Providencia rettgeri] Faisal M, et al. **Berl Munch Tierarztl Wochenschr** 1987 Jul 1;100(7):238–40 (Eng. Abstr.) **(Ger)**

[Metabolism of C14-labelled urea in conventional, germ-free and specifically associated rats] Juhr NC, et al. **Z Versuchstierkd** 1987;29(3-4):157–64 (Eng. Abstr.) **(Ger)**

PROTEUS MIRABILIS

ANALYSIS

Identification and characterization of a uroepithelial cell adhesin from a uropathogenic isolate of Proteus mirabilis. Wray SK, et al. **Infect Immun** 1986 Oct;54(1):43–9

Comparative study of some biological activities of porins extracted from various microorganisms. Tufano MA, et al. **Microbiologica** 1986 Oct;9(4):431–42

CLASSIFICATION

Proteus mirabilis: taxonomic position, peculiarities of growth, components of the cell envelope. Kotelko K. **Curr Top Microbiol Immunol** 1986;129:181–215 (156 ref.)

DRUG EFFECTS

Inhibition of growth and swarming of Proteus mirabilis and Proteus vulgaris by triclosan. Firehammer BD. **J Clin Microbiol** 1987 Jul;25(7):1312–3

ENZYMOLOGY

Histochemical and biochemical urease localization in the periplasm and outer membrane of two Proteus mirabilis strains. McLean RJ, et al. **Can J Microbiol** 1986 Oct; 32(10):772–8

Aerobic degradation of choline by Proteus mirabilis: enzymatic requirements and pathway. Sandhu SS, et al. **Can J Microbiol** 1986 Sep;32(9):743–50

GROWTH & DEVELOPMENT

Urease activity related to the growth and differentiation of swarmer cells of Proteus mirabilis. Jin T, et al. **Can J Microbiol** 1987 Apr;33(4):300–3

IMMUNOLOGY

Reactions of hemocytes of immune and non-immune Galleria mellonella larvae to Proteus mirabilis. Morton DB, et al. **Dev Comp Immunol** 1987 Winter;11(1):47–55

ISOLATION & PURIFICATION

Prevalence of asymptomatic bacteriuria and comparison between different screening methods for its detection in infants. Goossens H, et al. **Eur J Epidemiol** 1985 Dec; 1(4):301–4

METABOLISM

Murein biosynthesis in synchronized cells of Proteus mirabilis. Quantitative analysis of O-acetylated murein subunits and of chain terminators incorporated into the sacculus during the cell cycle. Gmeiner J, et al. **Eur J Biochem** 1987 Mar 2;163(2):389–95

[Isolation of thymidine-dependent strains. Microbiologic considerations and personal observations] Grigis A, et al. **Quad Sclavo Diagn** 1986 Jun;22(2):215–22 (Eng. Abstr.) **(Ita)**

PATHOGENICITY

Cell invasiveness of Proteus mirabilis and Proteus vulgaris strains. Różalski A, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5-6):505–12

PHYSIOLOGY

Adherence of Escherichia coli and Proteus mirabilis to human transitional cells. Szabo RJ, et al. **J Urol** 1987 Apr; 137(4):793–7

[Adherence of uropathogenic Escherichia coli and Proteus mirabilis to human uroepithelial cells] Sun DX, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;17(2):97–100 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

[Ultrastructural characteristics of Proteus vulgaris and Proteus mirabilis cells differing in the capacity for swarming] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):3–6 (Eng. Abstr.) **(Rus)**

PROTEUS VULGARIS

ANALYSIS

Lipopolysaccharides of flagellated and non-flagellated Proteus vulgaris strains. Sidorczyk Z, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):461–9

DRUG EFFECTS

Paradoxical antibacterial activity of cefmenoxime against Proteus vulgaris. Ikeda Y, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):865–9

Inhibition of growth and swarming of Proteus mirabilis and Proteus vulgaris by triclosan. Firehammer BD. **J Clin Microbiol** 1987 Jul;25(7):1312–3

[Survival of Proteus vulgaris in soil contaminated by diesel fuel] Alton LV, et al. **Gig Sanit** 1986 Nov;(11):76–7 **(Rus)**

ENZYMOLOGY

Properties of an inducible beta-lactamase from Proteus vulgaris. Cullmann W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug; 262(2):208–19

GENETICS

Cloning of the lambda resistant genes from Brevibacterium albidum and Proteus vulgaris into Escherichia coli. Chae KS, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):1101–5

IMMUNOLOGY

Serological cross-reactions between Rickettsia typhi, Proteus vulgaris OX19, and Legionella bozemanii in a series of febrile patients. Sompolinsky D, et al. **Isr J Med Sci** 1986 Oct;22(10):745–52

PATHOGENICITY

Cell invasiveness of Proteus mirabilis and Proteus vulgaris strains. Różalski A, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5-6):505–12

ULTRASTRUCTURE

[Ultrastructural characteristics of Proteus vulgaris and Proteus mirabilis cells differing in the capacity for swarming] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):3–6 (Eng. Abstr.) **(Rus)**

PROTHIONAMIDE see under **ISONICOTINIC ACIDS**

PROTHROMBIN

The similarities and differences in structures between kringle 1 of prothrombin and kringle 4 of plasminogen. Williams RJ, et al. **FEBS Lett** 1986 Dec 1;209(1):111–6

Synthesis of a gamma-carboxyglutamic acid containing heptapeptide corresponding to bovine prothrombin residues 17-23. Hoke RA, et al. **Int J Pept Protein Res** 1986 Dec;28(6):569–78

Molecular defect of prothrombin Barcelona. Substitution of cysteine for arginine at residue 273. Rabiet MJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15045–8

ANALOGS & DERIVATIVES

Vitamin K in the newborn: influence of nutritional factors on acarboxy–prothrombin detectability and factor II and VII clotting activity. von Kries R, et al. **Eur J Pediatr** 1987 Mar;146(2):123–7

A new method to assay des–gamma–carboxyprothrombin. Results obtained in 75 cases of hepatocellular carcinoma. Soulier JP, et al. **Gastroenterology** 1986 Nov;91(5):1258–62

Clinical evaluation of plasma abnormal prothrombin (PIVKA–II) in patients with hepatocellular carcinoma. Fujiyama S, et al. **Hepatogastroenterology** 1986 Oct; 33(5):201–5

Des–gamma–carboxyprothrombin assay in alcoholic cirrhotic patients with alpha–fetoprotein level slightly increased [letter] Lefrere JJ, et al. **Hepatology** 1986 Sep–Oct; 6(5):1066–7

Use of des–gamma–carboxyprothrombin in retrospective diagnosis of hidden intoxication of anticoagulants [letter] Lefrere JJ, et al. **J Clin Pathol** 1987 May;40(5):589

Production of abnormal prothrombin (des–gamma–carboxy prothrombin) by hepatocellular carcinoma. A clinical and experimental study. Okuda H, et al. **J Hepatol** 1987 Jun; 4(3):357–63

ANALYSIS

Enzyme–linked coagulation assay. III. Sensitive immunoassays for clotting factors II, VII, and X. Doellgast GJ. **Anal Biochem** 1987 Apr;162(1):102–14

Diagnostic efficacy of six plasma proteins in evaluating consumptive coagulopathies. Use of receiver operating characteristic curves to compare antithrombin III, plasminogen, alpha 2–plasmin inhibitor, fibronectin, prothrombin, and protein C. Cembrowski GS, et al. **Arch Intern Med** 1986 Oct;146(10):1997–2002

Abnormal prothrombin in the plasma of rats carrying hepatic tumors. Shah DV, et al. **Blood** 1987 Mar;69(3):850–4

Prothrombin Poissy: a new variant of human prothrombin. Dumont MD, et al. **Br J Haematol** 1987 Jun;66(2):239–43

Proaccelerin and prothrombin assays for detection of hepatocellular carcinoma [letter] Lefrère JJ, et al. **Hepatology** 1987 Mar–Apr;7(2):414

Control of oral anticoagulant treatment by chromogenic prothrombin assay. O'Donnell JR, et al. **J Clin Pathol** 1987 May;40(5):500–4

Prothrombin and protein C in early childhood: normal adult levels are not achieved until the fourth year of life. Nardi M, et al. **J Pediatr** 1986 Nov;109(5):843–5

Vitamin K deficiency in the newborn infant: prevalence and perinatal risk factors. Shapiro AD, et al. **J Pediatr** 1986 Oct;109(4):675–80

Acarboxy prothrombin (PIVKA–II) as a marker of hepatoblastoma in infants. Motohara K, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):42–5

Prothrombin Perija: a new congenital dysprothrombinemia in an Indian family. Ruiz–Sáez A, et al. **Thromb Res** 1986 Dec 1;44(5):587–98

[Photometric and immunologic determination of prothrombin (blood coagulation factor II) in plasma] Lutze G, et al. **Z Med Lab Diagn** 1987;28(4):199–206 (Eng. Abstr.) **(Ger)**

[Vitamin K–dependent coagulation factors—factors II and X] Asai K. **Rinsho Byori** 1987 Apr;Spec No 70:88–99 (26 ref.) **(Jpn)**

[PIVKA (protein induced by vitamin K absence or antagonists)] Shirahata A, et al. **Rinsho Byori** 1987 Apr; Spec No 70:108–17 (20 ref.) **(Jpn)**

[Method of preparing the thromboplastin solution for determination of the prothrombin index] Sukhanov VA, et al. **Lab Delo** 1987;(7):515–6 (Eng. Abstr.) **(Rus)**

[Prothrombin index of the pleural effusion in tuberculosis and other diseases] Grigorian VG, et al. **Probl Tuberk** 1987; (3):63–5 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Comparison of antithrombotic activity of two heparin fragments PK 10169 (mol. wt. 5,000) and EMT 680 (mol. wt. 2,500) and unfractionated heparin in a rabbit experimental thrombosis model: relative importance of systemic anti–Xa and anti–IIa activities. Bara L, et al. **Nouv Rev Fr Hematol** 1986;28(6):355–8

Comparative efficacy of a new clot–based anti–Xa/IIa assay and an amidolytic anti–Xa method during a very low molecular weight heparin fragment (CY 222) treatment. Delahousse B, et al. **Thromb Res** 1987 Apr 15;46(2):405–7

BIOSYNTHESIS

Effect of warfarin on prothrombin synthesis and secretion in human Hep G2 cells. Karpatkin S, et al. **Blood** 1987 Sep;70(3):773–8

BLOOD

[Serum vitamin K content in patients with hepatocellular carcinoma with special reference to plasma PIVKA–II levels] Fujiyama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1229 **(Jpn)**

CHEMICAL SYNTHESIS

Synthetic bovine prothrombin precursor 13–29 for studies of vitamin K dependent carboxylase. Pottorf RS, et al. **J Med Chem** 1987 Feb;30(2):445–8

DIAGNOSTIC USE

Screening for late neonatal vitamin K deficiency by acarboxyprothrombin in dried blood spots. Motohara K, et al. **Arch Dis Child** 1987 Apr;62(4):370–5

GENETICS

Prothrombin "Mexico City," an asymptomatic autosomal dominant prothrombin variant. Valls–de–Ruiz M, et al. **Am J Hematol** 1987 Mar;24(3):229–40

The prothrombin gene and serine proteinase evolution. Degen SJ, et al. **Ann NY Acad Sci** 1986;485:66–72

Recombinant genetic approaches to functional mapping of thrombin. MacGillivray RT, et al. **Ann NY Acad Sci** 1986; 485:73–9

Prothrombin Tokushima: characterization of dysfunctional thrombin derived from a variant of human prothrombin. Inomoto T, et al. **Blood** 1987 Feb;69(2):565–9

The prothrombin gene. MacGillivray RT, et al. **Haemostasis** 1986;16(3–4):227–38 (63 ref.)

Expression of completely gamma–carboxylated recombinant human prothrombin. Jorgensen MJ, et al. **J Biol Chem** 1987 May 15;262(14):6729–34

Molecular defect of prothrombin Barcelona. Substitution of cysteine for arginine at residue 273. Rabiet MJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15045–8

Human genes encoding prothrombin and ceruloplasmin map to 11p11–q12 and 3q21–24, respectively. Royle NJ, et al. **Somatic Cell Mol Genet** 1987 May;13(3):285–92

Prothrombin Clamart: prothrombin variant with defective Arg 320–IIe cleavage by factor Xa. Huisse MG, et al. **Thromb Res** 1986 Oct 1;44(1):11–21

ISOLATION & PURIFICATION

Prothrombin fragment 1 X 2 X 3, a major product of prothrombin activation in human plasma. Rabiet MJ, et al. **J Biol Chem** 1986 Oct 5;261(28):13210–5

[The use of polyethylene glycol for the isolation of the prothrombin complex] Monastyrskiĭ VA, et al. **Gematol Transfuziol** 1986 Dec;31(12):51–3 **(Rus)**

METABOLISM

Determination of magnesium binding to macromolecules. Olson DL, et al. **Anal Biochem** 1987 Feb 1;160(2):468–70

Thrombin/prothrombin interactions with very low density lipoproteins. Bradley WA, et al. **Ann NY Acad Sci** 1986; 485:159–69

Difference in enzymatic properties between "staphylothrombin" and free alpha–thrombinKawabata S, et al. **Ann NY Acad Sci** 1986;485:27–40

Mechanisms for inhibition of the generation of thrombin activity by sulfated polysaccharides. Ofosu FA, et al. **Ann NY Acad Sci** 1986;485:41–55

The comparative influence of prophylactic antibiotics on the prothrombin response to warfarin in the postoperative prosthetic cardiac valve patient. Cefamandole, cefazolin, vancomycin. Angaran DM, et al. **Ann Surg** 1987 Aug; 206(2):155–61

Relative affinity of Ca(II) and Mg(II) ions for human and bovine prothrombin and fragment 1. Deerfield DW 2d, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):520–7

Blood coagulation induced by the venom of Bothrops atrox. 1. Identification, purification, and properties of a prothrombin activator. Hofmann H, et al. **Biochemistry** 1987 Feb 10;26(3):772–80

Fibrinogen–sepharose interaction with prothrombin, prethrombin 1, prethrombin 2 and thrombin. Kaczmarek E, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):275–82

Effect of limited modification of amino groups on the reactivity of human factor Xa. Morrison SA, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):409–18

Prothrombin requires two sequential metal–dependent conformational transitions to bind phospholipid. Conformation–specific antibodies directed against the phospholipid–binding site on prothrombin. Borowski M, et al. **J Biol Chem** 1986 Nov 15;261(32):14969–75

Mg(II) binding by bovine prothrombin fragment 1 via equilibrium dialysis and the relative roles of Mg(II) and Ca(II) in blood coagulation. Deerfield DW 2d, et al. **J Biol Chem** 1987 Mar 25;262(9):4017–23

Activation of human prothrombin by human prothrombinase. Influence of factor Va on the reaction mechanism. Krishnaswamy S, et al. **J Biol Chem** 1987 Mar 5; 262(7):3291–9

Prothrombin fragment 1 X 2 X 3, a major product of prothrombin activation in human plasma. Rabiet MJ, et al. **J Biol Chem** 1986 Oct 5;261(28):13210–5

Prothrombin activation by an activator from the venom of Oxyuranus scutellatus (Taipan snake). Speijer H, et al. **J Biol Chem** 1986 Oct 5;261(28):13258–67

Assembly of the prothrombin activator complex on rabbit alveolar macrophage high–affinity factor Xa receptors. A kinetic study. McGee MP, et al. **J Exp Med** 1986 Dec 1;164(6):1902–14

Turnover study of prothrombin, antithrombin III and fibrinogen in patients with liver cirrhosis. Saitoh H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep;49(6):1263–74

A computer assisted method to obtain the prothrombin activation velocity in whole plasma independent of thrombin decay processes. Hemker HC, et al. **Thromb Haemost** 1986 Aug 20;56(1):9–17

Enhancement of prothrombin activation on platelets by endothelial cells and mechanism of activation of factor V. Rodgers GM, et al. **Thromb Res** 1987 Jan 15;45(2):145–52

The degradation of bovine and human prothrombin by human polymorphonuclear leukocyte cathepsin G. Turkington PT, et al. **Thromb Res** 1986 Nov 1;44(3):339–45

Proteolysis of bovine and human prothrombin and of bovine factor X by rat mast cell proteinase. Wylie AR, et al. **Thromb Res** 1986 Nov 1;44(3):327–37

PHYSIOLOGY

Chemical basis of thrombin interactions with fibrinogen. Scheraga HA. **Ann NY Acad Sci** 1986;485:124–33

Prothrombin Tokushima, a replacement of arginine–418 by tryptophan that impairs the fibrinogen clotting activity of derived thrombin Tokushima. Miyata T, et al. **Biochemistry** 1987 Feb 24;26(4):1117–22

Vitamin K in the newborn: influence of nutritional factors on acarboxy–prothrombin detectability and factor II and VII clotting activity. von Kries R, et al. **Eur J Pediatr** 1987 Mar;146(2):123–7

Neutralization of heparin by prothrombin activation products. Pieters J, et al. **Thromb Res** 1987 Mar 1; 45(5):573–80

PROTHROMBIN TIME

Evaluation of the nature of mildly prolonged prothrombin times. Mazzucconi MG, et al. **Am J Hematol** 1987 Jan; 24(1):37–45

Cefoperazone and prothrombin time [letter] Cohen MS, et al. **Ann Intern Med** 1987 May;106(5):778

Thrombotest values and effect of vitamin K administration for infants [letter] Ishii E, et al. **Arch Dis Child** 1987 May; 62(5):540–1

Is the dose of warfarin prescribed by American physicians unnecessarily high? Hirsh J. **Arch Intern Med** 1987 Apr; 147(4):769–71

Warfarin therapy. The effect of heparin on prothrombin times. Lutomski DM, et al. **Arch Intern Med** 1987 Mar; 147(3):432–3

The prothrombin time and monitoring oral anticoagulant therapy. Brownell A, et al. **Br J Hosp Med** 1986 Dec; 36(6):442–3

Reduction of prothrombin and partial thromboplastin times with trazodone. Hardy JL, et al. **Can Med Assoc J** 1986 Dec 15;135(12):1372

Prothrombin assay standardized with an international normalization ratio (INR): goal and reality [letter] von Schenck H, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):342

Interaction between warfarin and propafenone in healthy volunteer subjects. Kates RE, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):305–11

Interaction of amiodarone with racemic warfarin and its separated enantiomorphs in humans. O'Reilly RA, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):290–4

Effect of latamoxef on platelet function and prothrombin time in partially nephrectomized rats. Uchida K, et al. **Jpn J Pharmacol** 1987 Jan;43(1):9–16

The International Normalized Prothrombin Ratio [letter] Marshall LR, et al. **Med J Aust** 1987 Apr 20;146(8):454

Regulating the dosage of warfarin for anticoagulation [letter] Poller L. **N Engl J Med** 1987 May 14;316(20):1277–8

New modified activated partial thromboplastin time and prothrombin time methods using a synthetic chromogenic substrate in combination with diazotization. Yamamoto J, et al. **Thromb Res** 1987 Apr 15;46(2):225–31

[Recommendations of the Hemostasis and Thrombosis Study Group. For better surveillance of anticoagulant therapy by anti–vitamin K agents] **Nouv Rev Fr Hematol** 1986; 28(5):331–2 **(Fre)**

[Hemostasis tests in the neonatal period. I. Prothrombin time in the capillary blood of the newborn infant and the hematocrit during the 1st 24 hours of life] Bello A, et al. **Bol Med Hosp Infant Mex** 1986 Oct;43(10):631–6 (Eng. Abstr.) **(Spa)**

[Coagulation disorders associated with cefamandole: presentation of 2 cases (letter)] Cuxart M, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):173–4 **(Spa)**

[Study of "lupus–type" anticoagulant using diluted Russell's viper venom time. Study of 16 patients] Pardo Vigo A, et al. **Sangre (Barc)** 1987;32(2):231–5 (Eng. Abstr.) **(Spa)**

METHODS

Turbidimetric determination of prothrombin time by clotting in a centrifugal analyzer. Gogstad GO, et al. **Clin Chem** 1986 Oct;32(10):1857–62

[Methodological aspects of the photometric determination of prothrombin time using chromogenic substrates] Dati F, et al. **J Clin Chem Clin Biochem** 1986 Nov;24(11):877–88 (Eng. Abstr.) **(Ger)**

STANDARDS

[How to improve the monitoring of anticoagulant therapy with antivitamins K. Recommendation of the Study Group

on Hemostasis and Thrombosis] **Rev Fr Gynecol Obstet** 1987 Feb;82(2):133–4 (Eng. Abstr.) **(Fre)**

VETERINARY

Automated synthetic substrate assays for coagulopathies of dogs. Bonk RJ, et al. **Lab Anim Sci** 1986 Oct;36(5):517–21

PROTO-ONCOGENE PROTEINS, CELLULAR

Biochemical mechanisms of oncogene activity: proteins encoded by oncogenes. **Cancer Surv** 1986;5(2):153–434

Expression of c-myc oncogene in coeliac disease. Ciclitira PJ, et al. **J Clin Pathol** 1987 Mar;40(3):307–11

ANALYSIS

Immunohistochemical localization of epidermal growth factor receptor and myc oncogene product in human placenta: implication for trophoblast proliferation and differentiation. Maruo T, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):721–7

Expression of Ha-ras oncogene p21 protein in relation to the cell cycle of cultured human tumor cells. Czerniak B, et al. **Am J Pathol** 1987 Mar;126(3):411–6

Identification of a restriction fragment length polymorphism involving the oncogene ETS-1 on chromosome 11q23. Savage PD, et al. **Blood** 1987 Jul;70(1):327–9

Flow cytometric quantitation of DNA and c-myc oncoprotein in archival biopsies of uterine cervix neoplasia. Hendy-Ibbs P, et al. **Br J Cancer** 1987 Mar;55(3):275–82

Trisomy 12 correlates with elevated expression of p21 ras in a human adenosquamous carcinoma of the lung. Liang JC, et al. **Cancer Genet Cytogenet** 1986 Oct;23(2):183–8

Expression of the c-src protooncogene in human skin tumors. Barnekow A, et al. **Cancer Res** 1987 Jan 1;47(1):235–40

Enhanced expression of the c-myc gene in bovine leukemia virus-induced bovine tumors. Gupta P, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6295–8

Analysis of P210bcr-abl tyrosine protein kinase activity in various subtypes of Philadelphia chromosome-positive cells from chronic myelogenous leukemia patients. Maxwell SA, et al. **Cancer Res** 1987 Mar 15;47(6):1731–9

Enhanced expression of the N-myc gene in Wilms' tumors. Nisen PD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6217–22

Enhanced expression of c-Ha-ras p21 in human stomach adenocarcinomas defined by immunoassays using monoclonal antibodies and in situ hybridization. Ohuchi N, et al. **Cancer Res** 1987 Mar 1;47(5):1413–20

Reduction in protein tyrosine phosphorylation during differentiation of human leukemia cell line K-562. Richardson JM, et al. **Cancer Res** 1987 Aug 1; 47(15):4066–70

Oncogenes and germ cell tumours. Sikora K, et al. **Int J Androl** 1987 Feb;10(1):57–67

Expression of the c-erbB-2 protein in normal and transformed cells. Gullick WJ, et al. **Int J Cancer** 1987 Aug 15;40(2):246–54

Analysis of middle tumor antigen and pp60c-src interactions in polyomavirus-transformed rat cells. Bolen JB, et al. **J Virol** 1987 Oct;61(10):3299–305

Quantitation of Harvey ras p21 enhanced expression in human breast and colon carcinomas. Hand PH, et al. **JNCI** 1987 Jul;79(1):59–65

Cysteine-rich regions conserved in amino-terminal halves of raf gene family products and protein kinase C. Ishikawa F, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1183–7

C-myc expression in cervical cancer [letter] Covington M, et al. **Lancet** 1987 May 30;1(8544):1260–1

Lack of c-myc gene amplification in genital tumours with different HPV status [letter] Ikenberg H, et al. **Lancet** 1987 Sep 5;2(8558):577

C-myc proto-oncogene expression and prognosis in early carcinoma of the uterine cervix. Riou G, et al. **Lancet** 1987 Apr 4;1(8536):761–3

Overexpression of the c-erbB-2 oncoprotein in human breast carcinomas: immunohistological assessment correlates with gene amplification. Venter DJ, et al. **Lancet** 1987 Jul 11; 2(8550):69–72

Immunohistochemical localization of ras p21 and carcinoembryonic antigens (CEA) in cholangiocarcinoma. Nonomura A, et al. **Liver** 1987 Jun;7(3):142–8

A novel abl protein expressed in Philadelphia chromosome positive acute lymphoblastic leukaemia. Chan LC, et al. **Nature** 1987 Feb 12–18;325(6105):635–7

A novel c-abl protein product in Philadelphia-positive acute lymphoblastic leukaemia. Kurzrock R, et al. **Nature** 1987 Feb 12–18;325(6105):631–5

"Replacement" of COOH-terminal truncation of v-fms with c-fms sequences markedly reduces transformation potential. Browning PJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7800–5

Expression of p21ras in normal and malignant human tissues: lack of association with proliferation and malignancy. Chesa PG, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3234–8

Immunohistochemical evaluation of ras oncogene expression in pulmonary and pleural neoplasms. Lee I, et al. **Virchows Arch [B]** 1987;53(3):146–52

[Immunohistochemical study of oncogene-related products in human gastrointestinal malignancies—expression of ras p 21, fes p 85 and EGF receptor] Kitagami S, et al. **Gan No Rinsho** 1986 Dec;32(15):1950–8 (Eng. Abstr.) **(Jpn)**

[Interaction of a synthetic fragment of the oncoprotein p21ras with cellular proteins] Chertov OIu, et al. **Bioorg Khim** 1986 Sep;12(9):1157–63 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Amiloride inhibits the protein tyrosine kinases associated with the cellular and the transforming src-gene products. Presek P, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2821–6

In vivo effect of sodium orthovanadate on pp60c-src kinase. Ryder JW, et al. **Mol Cell Biol** 1987 Mar;7(3):1139–47

BIOSYNTHESIS

Activation of H-ras oncogene in 3-methylcholanthrene-transformed human cell line. Rhim JS, et al. **Carcinogenesis** 1987 Aug;8(8):1165–7

Patterns of gene expression during plasmacytoid differentiation of chronic lymphocytic leukaemia cells. Norton JD, et al. **FEBS Lett** 1987 May 4;215(1):127–31

Cyclic AMP-mediated suppression of normal and neoplastic B cell proliferation is associated with regulation of myc and Ha-ras protooncogenes. Blomhoff HK, et al. **J Cell Physiol** 1987 Jun;131(3):426–33

Elevated myc expression and c-myc amplification in spontaneously occurring B lymphoid cell lines. Citri Y, et al. **J Exp Med** 1987 Apr 1;165(4):1188–94

Expression of c-fos protooncogene in normal human peripheral blood granulocytes. Colotta F, et al. **J Exp Med** 1987 Apr 1;165(4):1224–9

Role of c-myc and other genes in interleukin 2 regulated CT6 T lymphocytes and their malignant variants. Cleveland JL, et al. **J Immunol** 1987 May 15; 138(10):3495–504

Modulations of functional activity in differentiated macrophages are accompanied by early and transient increase or decrease in c-fos gene transcription. Collart MA, et al. **J Immunol** 1987 Aug 1;139(3):949–55

B-lymphoma induction by reticuloendotheliosis virus: characterization of a mutated chicken syncytial virus provirus involved in c-myc activation. Swift RA, et al. **J Virol** 1987 Jul;61(7):2084–90

Induction of c-fos-like protein in spinal cord neurons following sensory stimulation. Hunt SP, et al. **Nature** 1987 Aug 13–19;328(6131):632–4

Expression of c-mos RNA in germ cells of male and female mice. Goldman DS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4509–13

Differential expression and regulation of the c-src and c-fgr protooncogenes in myelomonocytic cells. Willman CL, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4480–4

Mapping patterns of c-fos expression in the central nervous system after seizure. Morgan JI, et al. **Science** 1987 Jul 10;237(4811):192–7

DIAGNOSTIC USE

[Oncogene products as tumor markers] Shiku H. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2212–7 (Eng. Abstr.) **(Jpn)**

GENETICS

Expression of c-myc in stimulated T lymphocytes of the helper/inducer phenotype producing lymphokine(s) supporting multilineage colony formation. Löhr H, et al. **Acta Haematol (Basel)** 1986;76(4):192–5

Viral oncogenes, v-yes and v-erbB, and their cellular counterparts. Toyoshima K, et al. **Adv Virus Res** 1987; 32:97–127 (165 ref.)

Constitutive activation of oncogenes by chromosomal translocations in B-cell derived tumors. Klein G. **AIDS Res** 1986 Dec;2 Suppl 1:S167–76 (55 ref.)

The myc oncogene: its role in transformation and differentiation. Cole MD. **Annu Rev Genet** 1986;20:361–84 (127 ref.)

Reassembly of c-myc and relaxation of c-fos nucleosomes during differentiation of human leukemic (HL-60) cells. Chou RH, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):213–21

Selective elevation of c-myc transcript levels in the liver of the aging Fischer-344 rat. Matocha MF, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):1–7

Expression of the proto-oncogenes C-H-ras and N-ras in early second trimester human fetal tissues. Mellersh H, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):510–6

Antisense RNA to the c-fos gene: restoration of density-dependent growth arrest in a transformed cell line. Mercola D, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):288–94

Conserved elements in the 3' untranslated regions of c-fos and actin mRNAs. Renan MJ. **Biosci Rep** 1986 Sep; 6(9):819–25

Chronic myelogenous leukemia: amplification of a rearranged c-abl oncogene in both chronic phase and blast crisis. Collins SJ, et al. **Blood** 1987 Mar;69(3):893–8

c-myc and c-fos expression during interferon-alpha therapy for hairy cell leukemia. Lehn P, et al. **Blood** 1986 Oct; 68(4):967–70

Selective expression of fos proto-oncogene in human acute myelomonocytic and monocytic leukemias: a molecular marker of terminal differentiation. Mavilio F, et al. **Blood** 1987 Jan;69(1):160–4

Proto-oncogene c-fos is highly induced by disruption of neonatal but not of mature brain tissue. Ruppert C, et al. **Brain Res** 1987 Apr;388(1):51–6

The cellular ets genes: molecular biology and clinical implications in human leukemias. Papas TS, et al. **Cancer Invest** 1986;4(6):555–74 (54 ref.)

Terminal erythroid differentiation in the K-562 cell line by 1-beta-D-arabinofuranosylcytosine: accompaniment by c-myc messenger RNA decrease. Bianchi Scarrà GL, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6327–32

Expression of N-myc and c-src during the development of fetal human brain. Grady EF, et al. **Cancer Res** 1987 Jun 1;47(11):2931–6

Expression of retroviral sequences and oncogenes in rat liver tumors induced by diethylnitrosamine. Hsieh LL, et al. **Cancer Res** 1987 Jul 1;47(13):3421–4

Analysis of c-myc expression in a human hepatoma cell line. Huber BE, et al. **Cancer Res** 1987 Jul 1;47(13):3414–20

High correlation between molecular alterations of the c-myc oncogene and carcinoma of the uterine cervix. Ocadiz R, et al. **Cancer Res** 1987 Aug 1;47(15):4173–7

Amplification and enhanced expression of the c-Ki-ras2 protooncogene in human embryonal carcinomas. Wang LC, et al. **Cancer Res** 1987 Aug 1;47(15):4192–8

The ras gene family. Lowy DR, et al. **Cancer Surv** 1986; 5(2):275–89

The erbB gene and the EGF receptor. Martin GS. **Cancer Surv** 1986;5(2):199–219

From c-src to v-src, or the case of the missing C terminus. Sefton BM, et al. **Cancer Surv** 1986;5(2):159–72

The fms gene and the CSF-1 receptor. Sherr CJ, et al. **Cancer Surv** 1986;5(2):221–32

Biochemical mechanisms of oncogene activity: proteins encoded by oncogenes. Introduction. Varmus H, et al. **Cancer Surv** 1986;5(2):153–8

The sis gene and PDGF. Williams LT. **Cancer Surv** 1986; 5(2):233–41

Oncogenes take wing. Bender W, et al. **Cell** 1987 Aug 14; 50(4):519–20

Involvement of common and cell type-specific pathways in c-fos gene control: stable induction of cAMP in macrophages. Bravo R, et al. **Cell** 1987 Jan 30;48(2):251–60

Cloning and structural analysis of cDNAs for bcl-2 and a hybrid bcl-2/immunoglobulin transcript resulting from the t(14;18) translocation. Cleary ML, et al. **Cell** 1986 Oct 10; 47(1):19–28

The c-myc oncogene perturbs B lymphocyte development in E-mu-myc transgenic mice. Langdon WY, et al. **Cell** 1986 Oct 10;47(1):11–8

Pathogenesis of Burkitt lymphoma: expression of an activated c-myc oncogene causes the tumorigenic conversion of EBV-infected human B lymphoblasts. Lombardi L, et al. **Cell** 1987 Apr 24;49(2):161–70

Molecular analysis of mbcl-2: structure and expression of the murine gene homologous to the human gene involved in follicular lymphoma. Negrini M, et al. **Cell** 1987 May 22;49(4):455–63

Inducible binding of a factor to the c-fos enhancer. Prywes R, et al. **Cell** 1986 Dec 5;47(5):777–84

Alternative splicing of RNAs transcribed from the human abl gene and from the bcr-abl fused gene. Shtivelman E, et al. **Cell** 1986 Oct 24;47(2):277–84

Transfection and amplification of the chicken c-src proto-oncogene in Rat-1 cells. Dyson PJ, et al. **Cell Biol Int Rep** 1987 May;11(5):379–88

Colocalization of the myc oncogene protein and small nuclear ribonucleoprotein particles. Sullivan NF, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:943–7

Human fos gene. Verma IM, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:949–58

Human steroid receptors and erbA proto-oncogene products: members of a new superfamily of enhancer binding proteins. Weinberger C, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:759–72

Characterisation of human myc proteins. Evan GI, et al. **Curr Top Microbiol Immunol** 1986;132:362–74

Complex regulation of c-myc gene expression in a murine B cell lymphoma. Levine RA, et al. **Curr Top Microbiol Immunol** 1986;132:305–12

Altered c-myc RNA metabolism in Burkitt's lymphomas and mouse plasmacytomas. Piechaczyk M, et al. **Curr Top Microbiol Immunol** 1986;132:331–8

Regulation of c-myc mRNA and protein levels during activation of normal human B cells. Smeland EB, et al. **Curr Top Microbiol Immunol** 1986;132:290–6

Characterization and nuclear localization of the v- and c-myc proteins. Sullivan N, et al. **Curr Top Microbiol Immunol** 1986;132:355–61

Differential expression of N-myc, c-myc and c-src proto-oncogenes during the course of induced differentiation of murine embryonal carcinoma cells. Sumegi J, et al. **Curr Top Microbiol Immunol** 1986; 132:297–304

Immunochemical detection of proteins related to the human c-myc exon 1. Gazin C, et al. **EMBO J** 1986 Sep; 5(9):2241–50

Identification in chicken macrophages of a set of proteins related to, but distinct from, the chicken cellular c-ets-encoded protein p54c-ets. Ghysdael J, et al. **EMBO J** 1986 Sep;5(9):2251–6

C-myc expression is dissociated from DNA synthesis and

cell division in Xenopus oocyte and early embryonic development. Godeau F, et al. **EMBO J** 1986 Dec 20; 5(13):3571–7

Identification and characterization of the protein encoded by the human c-myb proto-oncogene. Klempnauer KH, et al. **EMBO J** 1986 Aug;5(8):1903–11

Transformation and stimulation of DNA synthesis in NIH-3T3 cells are a titratable function of normal p21N-ras expression. McKay IA, et al. **EMBO J** 1986 Oct; 5(10):2617–21

Xenopus myc proto-oncogene during development: expression as a stable maternal mRNA uncoupled from cell division. Taylor MV, et al. **EMBO J** 1986 Dec 20; 5(13):3563–70

Insulin-like growth factor I induces c-fos messenger ribonucleic acid in L6 rat skeletal muscle cells. Ong J, et al. **Endocrinology** 1987 Jan;120(1):353–7

Kinetics of cellular oncogene expression in mouse lymphocytes. II. Regulation of c-fos and c-myc gene expression. Schneider-Schaulies J, et al. **Eur J Immunol** 1987 May;17(5):713–8

Transcriptional enhancer activity in the variable tandem repeat DNA sequence downstream of the human Ha-ras 1 gene. Spandidos DA, et al. **FEBS Lett** 1987 Jun 22; 218(1):41–6

Sequence and genomic structure of ras homologues Dmras85D and Dmras64B of Drosophila melanogaster. Brock HW. **Gene** 1987;51(2–3):129–37

Production of chimeric protein coded by the fused viral H-ras and human N-ras genes in Escherichia coli. Matsui T, et al. **Gene** 1987;52(2–3):215–23

Structure and activity of the translocated c-myc in mouse plasmacytoma XRPC-24. Moav B, et al. **Gene** 1986; 48(2–3):297–300

Multipoint mapping: determining the order of the beta-globin, ADJ, insulin and c-Ha-ras-1 loci. Meyers DA, et al. **Genet Epidemiol** 1986;Suppl 1:165–70

Viral p21 Ki-RAS protein: a potent intracellular mitogen that stimulates adenylate cyclase activity in early G1 phase of cultured rat cells. Franks DJ, et al. **J Cell Biochem** 1987 Feb;33(2):87–94

c-myc gene inactivation during induced maturation of HL-60 cells. Transcriptional repression and loss of a specific DNAse I hypersensitive site. High KA, et al. **J Clin Invest** 1987 Jan;79(1):93–9

Human neutrophilic and eosinophilic granulocytes display different levels of c-fos proto-oncogene expression: an in situ hybridization study. Kreipe H, et al. **J Histochem Cytochem** 1987 Aug;35(8):837–42

Effects of anti-proliferative cyclic AMP on interleukin 2-stimulated gene expression. Farrar WL, et al. **J Immunol** 1987 Sep 15;139(6):2075–80

Induction of c-fos and c-myc expression in T lymphocytes after treatment with recombinant interleukin 1-alpha. Kovacs EJ, et al. **J Immunol** 1986 Dec 1;137(11):3649–51

Effects of interferon-gamma on proto-oncogene expression during induction of human monocytic differentiation. Sariban E, et al. **J Immunol** 1987 Mar 15;138(6):1954–8

Analysis of polyomavirus middle-T-antigen-transformed rat cell variants expressing different levels of pp60c-src. Bolen JB, et al. **J Virol** 1987 Apr;61(4):1079–85

cDNA cloning with a retrovirus expression vector: generation of a pp60c-src cDNA clone. Kaplan PL, et al. **J Virol** 1987 May;61(5):1731–4

Expression of the Kirsten ras viral and human proteins in Escherichia coli. Nakano ET, et al. **J Virol** 1987 Feb; 61(2):302–7

An aberrant avian leukosis virus provirus inserted downstream from the chicken c-myc coding sequence in a bursal lymphoma results from intrachromosomal recombination between two proviruses and deletion of cellular DNA. Nottenburg C, et al. **J Virol** 1987 Jun; 61(6):1828–33

Structure of the feline c-fes/fps proto-oncogene: genesis of a retroviral oncogene. Roebroek AJ, et al. **J Virol** 1987 Jun;61(6):2009–16

Insertion and truncation of c-myb by murine leukemia virus in a myeloid cell line derived from cultures of normal hematopoietic cells. Weinstein Y, et al. **J Virol** 1987 Jul; 61(7):2339–43

Involvement of chromosomal region 9q34 in a case of variant Ph1 translocation t(22;22). Mareni C, et al. **Leuk Res** 1986; 10(9):1131–7

Modification of fos proteins: phosphorylation of c-fos, but not v-fos, is stimulated by 12-tetradecanoyl-phorbol-13-acetate and serum. Barber JR, et al. **Mol Cell Biol** 1987 Jun;7(6):2201–11

Induction of clonal monocyte-macrophage tumors in vivo by a mouse c-myc retrovirus: rearrangement of the CSF-1 gene as a secondary transforming event. Baumbach WR, et al. **Mol Cell Biol** 1987 Feb;7(2):664–71

Novel promoter upstream of the human c-myc gene and regulation of c-myc expression in B-cell lymphomas. Bentley DL, et al. **Mol Cell Biol** 1986 Oct;6(10):3481–9

Dissociation of c-fos induction from macrophage differentiation in human myeloid leukemic cell lines. Calabretta B. **Mol Cell Biol** 1987 Feb;7(2):769–74

Alterations in pp60c-src accompany differentiation of neurons from rat embryo striatum. Cartwright CA, et al. **Mol Cell Biol** 1987 May;7(5):1830–40

Biochemical characterization of polypeptides encoded by mutated human Ha-ras1 genes. Colby WW, et al. **Mol Cell Biol** 1986 Feb;6(2):730–4

rasH mutants deficient in GTP binding. Der CJ, et al. **Mol Cell Biol** 1986 Sep;6(9):3291–4

Induction of proliferation of neuroretina cells by long terminal repeat activation of the carboxy-terminal part of c-mil. Dozier C, et al. **Mol Cell Biol** 1987 May;7(5):1995–8

Molecular cloning and characterization of an activated human c-raf-1 gene. Fukui M, et al. **Mol Cell Biol** 1987 May;7(5):1776–81

Structure of the protein encoded by the chicken proto-oncogene c-myb. Gerondakis S, et al. **Mol Cell Biol** 1986 Nov;6(11):3677–84

Rat c-raf oncogene activation by a rearrangement that produces a fused protein. Ishikawa F, et al. **Mol Cell Biol** 1987 Mar;7(3):1226–32

Amino acid substitutions sufficient to convert the nontransforming p60c-src protein to a transforming protein. Kato JY, et al. **Mol Cell Biol** 1986 Dec; 6(12):4155–60

Expression of the c-myc proto-oncogene during development of Xenopus laevis. King MW, et al. **Mol Cell Biol** 1986 Dec;6(12):4499–508

Subnuclear localization of proteins encoded by the oncogene v-myb and its cellular homolog c-myb. Klempnauer KH, et al. **Mol Cell Biol** 1986 Jan;6(1):62–9

Expression of c-sis and platelet-derived growth factor in in vitro-transformed glioma cells from rat brain tissue transplacentally treated with ethylnitrosourea. Lens PF, et al. **Mol Cell Biol** 1986 Oct;6(10):3537–40

Proliferative response and oncogene expression induced by epidermal growth factor in EL2 rat fibroblasts. Liboi E, et al. **Mol Cell Biol** 1986 Jun;6(6):2275–8

Target sequences for cis-acting regulation within the dual promoter of the human c-myc gene. Lipp M, et al. **Mol Cell Biol** 1987 Apr;7(4):1393–400

A human Ki-ras oncogene encodes two transforming p21 proteins. McCoy MS, et al. **Mol Cell Biol** 1986 Apr; 6(4):1326–8

Antisense RNA of proto-oncogene c-fos blocks renewed growth of quiescent 3T3 cells. Nishikura K, et al. **Mol Cell Biol** 1987 Feb;7(2):639–49

Rapid and selective alterations in the expression of cellular genes accompany conditional transcription of Ha-v-ras in NIH 3T3 cells. Owen RD, et al. **Mol Cell Biol** 1987 Jul; 7(7):2512–20

Protein product of proto-oncogene c-mil. Patschinsky T, et al. **Mol Cell Biol** 1986 Feb;6(2):739–44

Multiple growth-associated nuclear proteins immunoprecipitated by antisera raised against human c-myc peptide antigens. Persson H, et al. **Mol Cell Biol** 1986 Mar;6(3):942–9

Retrovirus shuttle vector for study of kinase activities of pp60c-src synthesized in vitro and overproduced in vivo. Piwnica-Worms H, et al. **Mol Cell Biol** 1986 Jun; 6(6):2033–40

c-mos proto-oncogene RNA transcripts in mouse tissues: structural features, developmental regulation, and localization in specific cell types. Propst F, et al. **Mol Cell Biol** 1987 May;7(5):1629–37

Augmentation of c-fos mRNA expression by activators of protein kinase C in fresh, terminally differentiated resting macrophages. Radzioch D, et al. **Mol Cell Biol** 1987 Feb; 7(2):595–9

Presence of a c-myc transcript initiated in intron 1 in Friend erythroleukemia cells and in other murine cell types with no evidence of c-myc gene rearrangement. Ray D, et al. **Mol Cell Biol** 1987 Feb;7(2):940–5

Antibodies to the ras gene product inhibit adenylate cyclase and accelerate progesterone-induced cell division in Xenopus laevis oocytes. Sadler SE, et al. **Mol Cell Biol** 1986 Feb;6(2):719–22

Activation of c-myc and c-K-ras oncogenes in primary rat tumors induced by ionizing radiation. Sawey MJ, et al. **Mol Cell Biol** 1987 Feb;7(2):932–5

Tissue localization of Drosophila melanogaster ras transcripts during development. Segal D, et al. **Mol Cell Biol** 1986 Jun;6(6):2241–8

Degradation and biosynthesis of the glucose transporter protein in chicken embryo fibroblasts transformed by the src oncogene. Shawver LK, et al. **Mol Cell Biol** 1987 Jun; 7(6):2112–8

Two modes of c-myb activation in virus-induced mouse myeloid tumors [published erratum appears in Mol Cell Biol 1986 Jul;6(7):2756] Shen-Ong GL, et al. **Mol Cell Biol** 1986 Feb;6(2):380–92

Microinjection of transforming ras protein induces c-fos expression. Stacey DW, et al. **Mol Cell Biol** 1987 Jan; 7(1):523–7

p185, a product of the neu proto-oncogene, is a receptorlike protein associated with tyrosine kinase activity. Stern DF, et al. **Mol Cell Biol** 1986 May;6(5):1729–40

Definition of regions in human c-myc that are involved in transformation and nuclear localization. Stone J, et al. **Mol Cell Biol** 1987 May;7(5):1697–709

Characterization of cDNA clones for the human c-yes gene. Sukegawa J, et al. **Mol Cell Biol** 1987 Jan;7(1):41–7

DNA sequence encoding the amino-terminal region of the human c-src protein: implications of sequence divergence among src-type kinase oncogenes. Tanaka A, et al. **Mol Cell Biol** 1987 May;7(5):1978–83

Expression of a molecularly cloned human c-src oncogene by using a replication-competent retroviral vector. Tanaka A, et al. **Mol Cell Biol** 1986 Nov;6(11):3900–9

Biochemical and biological properties of the human N-ras p21 protein. Trahey M, et al. **Mol Cell Biol** 1987 Jan; 7(1):541–4

Amplification of the neu (c-erbB-2) oncogene in human mammmary tumors is relatively frequent and is often accompanied by amplification of the linked c-erbA oncogene. van de Vijver M, et al. **Mol Cell Biol** 1987 May; 7(5):2019–23

Accumulation of c-src mRNA is developmentally regulated in embryonic neural retina. Vardimon L, et al. **Mol Cell Biol** 1986 Nov;6(11):4109–11

Oncogene activation by chromosomal rearrangement in chronic myelocytic leukemia. De Klein A. **Mutat Res** 1987 Sep;186(2):161–72 (97 ref.)

The mechanism of transduction of proto-oncogene c-src by avian retroviruses. Wang LH. **Mutat Res** 1987 Sep; 186(2):135–47 (82 ref.)

The c-erb-A protein is a high-affinity receptor for thyroid hormone. Sap J, et al. **Nature** 1986 Dec 18–31; 324(6098):635–40

The c-erb-A gene encodes a thyroid hormone receptor. Weinberger C, et al. **Nature** 1986 Dec 18–31; 324(6098):641–6

Transcriptional arrest within the first exon is a fast control mechanism in c-myc gene expression. Eick D, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8331–46

Novel non-isotopic in situ hybridization technique detects small (1 Kb) unique sequences in routinely G-banded human chromosomes: fine mapping of N-myc and beta-NGF genes. Garson JA, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4761–70

Characterization of rat c-myc and adjacent regions. Hayashi K, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6419–36

Isolation of a human genomic fragment, co-amplified with c-Ki-ras, that affects plasmid supercoiling in E. coli. Heighway J, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3411–20

The major ras induced protein in NIH3T3 cells is cathepsin L. Joseph L, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):3186

Sst I RFLP linked to the human ets-1 gene. Kerckaert JP, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5905

N segment insertion and region-directed somatic hypermutation in a kappa gene of a t(2;8) chromosomal translocation. Klobeck HG, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4877–88

A restriction fragment length polymorphism at the murine c-myb locus. Mock B, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4700

Posttranscriptional regulation of c-fos mRNA expression. Rahmsdorf HJ, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1643–59

Chromatin association and DNA binding properties of the c-fos proto-oncogene product. Renz M, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):277–92

Clustered somatic mutations in and around first exon of non-rearranged c-myc in Burkitt lymphoma with t(8;22) translocation. Szajnert MF, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4553–65

Activation of human c-raf-1 by replacing the N-terminal region with different sequences. Tahira T, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4809–20

Nucleotide sequence and characterization of the 5' flanking region of the rat Ha-ras protooncogene. Damante G, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):774–8

Characterization of the promoter region of the human c-erbB-2 protooncogene. Ishii S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4374–8

Characterization of c-Ki-ras oncogene alleles by direct sequencing of enzymatically amplified DNA from carcinogen-induced tumors. McMahon G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4974–8

Identification of an activated c-Ki-ras oncogene in rat liver tumors induced by aflatoxin B1. McMahon G, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9418–22

Human c-myb protooncogene: nucleotide sequence of cDNA and organization of the genomic locus. Majello B, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9636–40

Overlapping cDNA clones define the complete coding region for the P210c-abl gene product associated with chronic myelogenous leukemia cells containing the Philadelphia chromosome [published erratum appears in Proc Natl Acad Sci USA 1987 Apr;84(8):2507] Mes-Masson AM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9768–72

Sequence of MET protooncogene cDNA has features characteristic of the tyrosine kinase family of growth-factor receptors. Park M, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6379–83

Multiple chromosomal rearrangements in a spontaneously arising t(6;7) rat immunocytoma juxtapose c-myc and immunoglobulin heavy chain sequences. Pear WS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7376–80

Promoter trans-activation of protooncogenes c-fos and c-myc, but not c-Ha-ras, by products of adenovirus early region 1A. Sassone-Corsi P, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6430–3

Molecular cloning of the akt oncogene and its human homologues AKT1 and AKT2: amplification of AKT1 in a primary human gastric adenocarcinoma. Staal SP. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5034–7

Insulin and growth factor effects on c-fos expression in

normal and protein kinase C-deficient 3T3-L1 fibroblasts and adipocytes. Stumpo DJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9453-7

Unique forms of the abl tyrosine kinase distinguish Ph1-positive CML from Ph1-positive ALL. Clark SS, et al. **Science** 1987 Jan 2;235(4784):85-8

Neuronal pp60c-src contains a six-amino acid insertion relative to its non-neuronal counterpart. Martinez R, et al. **Science** 1987 Jul 24;237(4813):411-5

Chromosome translocations in B and T cell neoplasias. Showe LC, et al. **Semin Hematol** 1986 Oct;23(4):237-44 (52 ref.)

Proto-oncogene transcript levels and acute nonlymphocytic leukemia. Preisler HD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):207-16

Proto-oncogene expression in HL-60 cells exposed to ara-C. Sato H, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):192-201

A-raf oncogene localizes on mouse X chromosome to region some 10-17 centimorgans proximal to hypoxanthine phosphoribosyltransferase gene. Avner P, et al. **Somatic Cell Mol Genet** 1987 May;13(3):267-72

[Preparation and characterization of specific antisera directed against different polypeptide domains encoded by the c-myc oncogene for studying the expression of this gene introduced into quail or rat cells] Ferré F, et al. **C R Acad Sci [III]** 1986;303(15):633-6 (Eng. Abstr.) **(Fre)**

[Transcriptional control of the protooncogenes—human EGF receptor gene and c-Ha-ras 1 gene] Ishii S. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(8):681-92 (37 ref.) **(Jpn)**

IMMUNOLOGY

Band 3 tyrosine kinase in avian erythrocyte plasma membrane is immunologically related to pp60c-src. Hillsgrove D, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C286-95

Generation of a murine monoclonal antibody that detects the fos oncogene product. Giardina SL, et al. **Anal Biochem** 1987 Feb 15;161(1):109-16

Evaluation of a monoclonal antibody to ras peptide, RAP-5, claimed to bind preferentially to cells of infiltrating carcinomas. Robinson A, et al. **Br J Cancer** 1986 Dec; 54(6):877-83

Inhibition of messenger RNA transcriptional activity in ML-1 human myeloblastic leukemia cell nuclei by antiserum to a c-myb-specific peptide. Ishikura H, et al. **Cancer Res** 1987 Feb 15;47(4):1052-7

A monoclonal antibody reactive with an activated ras protein expressing valine at position 12. Carney WP, et al. **J Cell Biochem** 1986;32(3):207-14

Monoclonal antibody 45-2D9 recognizes a cell surface glycoprotein on a human c-Ha-ras transformed cell line (45-342) and a shared epitope on human tumors. Roth JA, et al. **J Immunol** 1986 Oct 1;137(7):2385-9

Monoclonal antibody specific for an activated RAS protein. Carney WP, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7485-9

ISOLATION & PURIFICATION

Preparation and characterization of nucleotide-free and metal ion-free p21 "apoprotein".Feuerstein J, et al. **J Biol Chem** 1987 Jun 25;262(18):8455-8

METABOLISM

Expression of ras oncogene p21 antigen in normal and proliferative thyroid tissues. Johnson TL, et al. **Am J Pathol** 1987 Apr;127(1):60-5

Two-dimensional polyacrylamide gel electrophoresis analysis of phosphorylated, membrane-localized ras p21 proteins. Polonis VR, et al. **Arch Biochem Biophys** 1987 May 1;254(2):541-6

Biochemical and biological activities of N-ras proteins. Geis AM, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):771-9

Altered pp60src kinase activity in regressing tumors induced by Rous sarcoma virus. Poulin L, et al. **Cancer Lett** 1987 Jul;36(1):99-110

Modification of Ha-ras oncogene p21 expression and cell cycle progression in the human colonic cancer cell line HT-29. Czerniak B, et al. **Cancer Res** 1987 Jun 1; 47(11):2826-30

An 81 kd protein complexed with middle T antigen and pp60c-src: a possible phosphatidylinositol kinase. Courtneidge SA, et al. **Cell** 1987 Sep 25;50(7):1031-7

Enzymatic::lly inactive p60c-src mutant with altered ATP-binding site is fully phosphorylated in its carboxy-terminal regulatory region. Jove R, et al. **Cell** 1987 Sep 11;50(6):937-43

Human steroid receptors and erb-A gene products form a superfamily of enhancer-binding proteins. Weinberger C, et al. **Clin Physiol Biochem** 1987;5(3-4):179-89

Regeneration of the GTP-bound from the GDP-bound form of human and yeast ras proteins by nucleotide exchange. Stimulatory effect of organic and inorganic polyphosphates. De Vendittis E, et al. **Eur J Biochem** 1986 Dec 1;161(2):473-8

Characterisation of the metal-ion-GDP complex at the active sites of transforming and nontransforming p21 proteins by observation of the 17O-Mn superhyperfine coupling and by kinetic methods. Feuerstein J, et al. **Eur J Biochem** 1987 Jan 2;162(1):49-55

Presence of c-fos-like immunoreactivity in the adult rat brain. Dragunow M, et al. **Eur J Pharmacol** 1987 Mar 3; 135(1):113-4

ras proteins enhance the phosphorylation of a 38 kDa protein (p38) in rat liver plasma membrane [published erratum appears in FEBS Lett 1987 Sep 14;221(2):433] Hegde AN, et al. **FEBS Lett** 1987 Jun 8;217(1):74-80

Phorbol ester- and protein kinase C-mediated phosphorylation of the cellular Kirsten ras gene product. Ballester R, et al. **J Biol Chem** 1987 Feb 25;262(6):2688-95

An affinity labeling of ras p21 protein and its use in the identification of ras p21 in cellular and tissue extracts. Basu A, et al. **J Biol Chem** 1987 Feb 15;262(5):2369-73

Identification of guanine nucleotides bound to ras-encoded proteins in growing yeast cells. Gibbs JB, et al. **J Biol Chem** 1987 Aug 5;262(22):10426-9

Regulation of c-myc RNA and its proteins in Daudi cells by interferon-beta. Jonak GJ, et al. **J Interferon Res** 1987 Feb;7(1):41-52

Expression of c-myc in non-malignant and pre-malignant gastrointestinal disorders. Ciclitira PJ, et al. **J Pathol** 1987 Apr;151(4):293-6

pp60c-src has less affinity for the detergent-insoluble cellular matrix than do pp60v-src and other viral protein-tyrosine kinases. Loeb DM, et al. **J Virol** 1987 Aug;61(8):2420-7

Mapping of the amino-terminal half of polyomavirus middle-T antigen indicates that this region is the binding domain for pp60c-src. Markland W, et al. **J Virol** 1987 Feb;61(2):285-92

Cell type-specific expressions of c-ras gene products in the normal rat. Tanaka T, et al. **Mol Cell Biochem** 1987 May; 75(1):23-32

Altered sites of tyrosine phosphorylation in pp60c-src associated with polyomavirus middle tumor antigen. Cartwright CA, et al. **Mol Cell Biol** 1986 May;6(5):1562-70

Dephosphoryiation or antibody binding to the carboxy terminus stimulates pp60c-src. Cooper JA, et al. **Mol Cell Biol** 1986 Dec;6(12):4467-77

Novel serine phosphorylation of pp60c-src in intact cells after tumor promoter treatment. Gentry LE, et al. **Mol Cell Biol** 1986 Feb;6(2):735-8

Neutralizing monoclonal antibody against ras oncogene product p21 which impairs guanine nucleotide exchange. Hattori S, et al. **Mol Cell Biol** 1987 May;7(5):1999-2002

The ras protein is not associated with exocytosis [letter] Adam-Vizi V, et al. **Nature** 1987 Aug 13-19;328(6131):581

Association of the polyomavirus middle-T antigen with c-yes protein. Kornbluth S, et al. **Nature** 1987 Jan 8-14; 325(7000):171-3

Activation of pp60c-src protein kinase activity in human colon carcinoma. Bolen JB, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2251-5

Barium modulates c-fos expression and post-translational modification. Curran T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8521-4

Characterization of avian and viral p60src proteins expressed in yeast. Kornbluth S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4455-9

Oncogenes and oncogene proteins. Brandt-Rauf PW, et al. **State Art Rev Occup Med** 1987 Jan-Mar;2(1):27-38 (39 ref.)

[Oncogenes and oncogenesis] Chen DG. **Sheng Li Ko Hsueh Chin Chan** 1986 Oct;17(4):327-32 (72 ref.) **(Chi)**

[Possible mechanisms of disorders of GTPase activity with substitutions at the 12th and 61st codons of the p21 H-ras protein] Lalaiants IE. **Vopr Onkol** 1987;33(7):9-15 (22 ref.) **(Rus)**

PHARMACODYNAMICS

Degradation of a cAMP-binding protein is inhibited by human c-Ha-ras gene products. Hiwasa T, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):731-8

Microinjection of the ras oncogene protein into nonestablished rat embryo fibroblasts. Sullivan NF, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6427-32

c-Ha-ras gene products are potent inhibitors of cathepsins B and L. Hiwasa T, et al. **FEBS Lett** 1987 Jan 19; 211(1):23-6

Interaction of the human insulin receptor with the ras oncogene product p21. O'Brien RM, et al. **FEBS Lett** 1987 Jun 15;217(2):253-9

Microinjection of ras p21 induces a rapid rise in intracellular pH. Hagag N, et al. **Mol Cell Biol** 1987 May;7(5):1984-8

c-myc protein can be substituted for SV40 T antigen in SV40 DNA replication. Iguchi-Ariga SM, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4889-99

Polylysine-containing peptides, including the carboxyl-terminal segment of the human c-Ki-ras 2 protein, affect the activity of some key membrane enzymes. Gatica M, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(2):324-8

PHYSIOLOGY

Cellular oncogenes and lymphocyte activation. Schneider-Schaulies J, et al. **Behring Inst Mitt** 1987 Jun; (81):110-9

Do myc, fos and E1A function as protein phosphatase inhibitors? Rechsteiner M. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):194-8

The role of N-ras p21 in the coupling of growth factor receptors to inositol phospholipid turnover. Wakelam MJ, et al. **Biochem Soc Trans** 1987 Feb;15(1):45-7

Growth in culture and tumorigenicity after transfection with the ras oncogene of liver epithelial cells from carcinogen-treated rats. Braun L, et al. **Cancer Res** 1987 Aug 1;47(15):4116-24

Oncogene-mediated multistep transformation of C3H10T1/2 cells. Taparowsky EJ, et al. **Cancer Res** 1987 Aug 1; 47(15):4125-9

N-myc amplification causes down-modulation of MHC class I antigen expression in neuroblastoma. Bernards R, et al. **Cell** 1986 Dec 5;47(5):667-74

Nucleoprotein complexes that regulate gene expression in adipocyte differentiation: direct participation of c-fos. Distel RJ, et al. **Cell** 1987 Jun 19;49(6):835-44

Role of c-myc and other genes in interleukin 2 regulated CT6 T lymphocytes and their malignant variants. Cleveland JL, et al. **J Immunol** 1987 May 15; 138(10):3495-504

Insulin induction of Xenopus laevis oocyte maturation is inhibited by monoclonal antibody against p21 ras proteins. Deshpande AK, et al. **Mol Cell Biol** 1987 Mar;7(3):1285-8

Stimulation of T cells through the CD3/T-cell receptor complex: role of cytoplasmic calcium, protein kinase C translocation, and phosphorylation of pp60c-src in the activation pathway. Ledbetter JA, et al. **Mol Cell Biol** 1987 Feb;7(2):650-6

Autonomous expression of c-myc in BC3H1 cells partially inhibits but does not prevent myogenic differentiation. Schneider MD, et al. **Mol Cell Biol** 1987 May;7(5):1973-7

Transforming potential of the c-fms proto-oncogene (CSF-1 receptor). Roussel MF, et al. **Nature** 1987 Feb 5-11; 325(6104):549-52

erbB-2 is a potent oncogene when overexpressed in NIH/3T3 cells. Di Fiore PP, et al. **Science** 1987 Jul 10; 237(4811):178-82

Ras p21 as a potential mediator of insulin action in Xenopus oocytes. Korn LJ, et al. **Science** 1987 May 15; 236(4803):840-3

The fos gene as "master switch" [news]Marx JL. **Science** 1987 Aug 21;237(4817):854-6

Participation of c-myc protein in DNA synthesis of human cells. Studzinski GP, et al. **Science** 1986 Oct 24; 234(4775):467-70

URINE

Ras related oncogene protein as a tumor marker in transitional cell carcinoma of the bladder. Stock LM, et al. **J Urol** 1987 Apr;137(4):789-92

PROTO-ONCOGENES

Expression of the c-myc proto-oncogene in growth stimulated porcine thyroid follicle cells. Heldin NE, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:238-41

Translocation of oncogene c-sis from chromosome 22 to chromosome 17 in a human myelogenous leukemia cell line. Tripputi P, et al. **Acta Haematol (Basel)** 1987;77(3):135-9

Activation of cellular oncogenes in hemopoietic cells by chromosome translocation. Cory S. **Adv Cancer Res** 1986; 47:189-234 (254 ref.)

Transcription activation by viral and cellular oncogenes. Nevins JR. **Adv Cancer Res** 1986;47:283-96 (85 ref.)

Malignant metamorphosis: developmental genes as culprits for oncogenesis in Xiphophorus. Schwab M. **Adv Cancer Res** 1986;47:63-97 (99 ref.)

Cell growth associated regulation of c-myc and c-fos in normal human T cells. Kelly K, et al. **Adv Exp Med Biol** 1987;213:241-7

Regulation of proto-oncogene expression during T lymphocyte activation and proliferation. Reed JC, et al. **Adv Exp Med Biol** 1987;213:249-62

Expression of the c-fos gene during differentiation. Van Beveren C, et al. **Adv Exp Med Biol** 1987;213:263-74

Viral oncogenes, v-yes and v-erbB, and their cellular counterparts. Toyoshima K, et al. **Adv Virus Res** 1987; 32:97-127 (165 ref.)

Constitutive activation of oncogenes by chromosomal translocations in B-cell derived tumors. Klein G. **AIDS Res** 1986 Dec;2 Suppl 1:S167-76 (55 ref.)

Increased expression of N-myc in human small cell lung cancer biopsies predicts lack of response to chemotherapy and poor prognosis. Funa K, et al. **Am J Clin Pathol** 1987 Aug;88(2):216-20

ADP activates protooncogene expression in renal epithelial cells. Kartha S, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1175-9

Proto-oncogene amplification: role in tumour progression. Mäkelä TP, et al. **Ann Clin Res** 1986;18(5-6):290-6 (32 ref.)

ras genes. Barbacid M. **Annu Rev Biochem** 1987;56:779-827 (270 ref.)

The myc oncogene: its role in transformation and differentiation. Cole MD. **Annu Rev Genet** 1986;20:361-84 (127 ref.)

Onc genes and signals of cell growth. Vogt PK. **Arzneimittelforschung** 1987 Feb;37(2A):243-5

Cellular oncogenes and lymphocyte activation. Schneider-Schaulies J, et al. **Behring Inst Mitt** 1987 Jun; (81):110-9

TPA-induction of c-fos mRNA during the cell cycle of WI-38 human fibroblasts. Calabretta B, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):716-23

Reassembly of c-myc and relaxation of c-fos nucleosomes

during differentiation of human leukemic (HL-60) cells. Chou RH, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):213-21

On the high conservation of the human c-myc first exon. Eladari ME, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):313-9

Transcriptional induction of proto-oncogene fos by HSV-2. Goswami BB. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):1055-62

Selective elevation of c-myc transcript levels in the liver of the aging Fischer-344 rat. Matocha MF, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):1-7

Expression of the proto-oncogenes C-H-ras and N-ras in early second trimester human fetal tissues. Mellersh H, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):510-6

Antisense RNA to the c-fos gene: restoration of density-dependent growth arrest in a transformed cell line. Mercola D, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):288-94

Expression of c-mos proto-oncogene in undifferentiated teratocarcinoma cells. Ogiso Y, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):477-84

Methylation of the c-myc gene changes during aging process of mice. Ono T, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1299-304

Establishment of a human pancreatic adenocarcinoma cell line (PSN-1) with amplifications of both c-myc and activated c-Ki-ras by a point mutation. Yamada H, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):167-73

The role of N-ras p21 in the coupling of growth factor receptors to inositol phospholipid turnover. Wakelam MJ, et al. **Biochem Soc Trans** 1987 Feb;15(1):45-7

Gene expression during the mammalian cell cycle. Denhardt DT, et al. **Biochim Biophys Acta** 1986 Oct 28;865(2):83-125 (412 ref.)

Proto-oncogenes. Montarras D, et al. **Biochimie** 1987 Mar; 69(3):171-6 (65 ref.)

Regulation of expression of the c-myc proto-oncogene. Marcu KB. **Bioessays** 1987 Jan;6(1):28-32 (51 ref.)

Conserved elements in the 3' untranslated regions of c-fos and actin mRNAs. Renan MJ. **Biosci Rep** 1986 Sep; 6(9):819-25

bcr rearrangement and translocation of the c-abl oncogene in Philadelphia positive acute lymphoblastic leukemia. De Klein A, et al. **Blood** 1986 Dec;68(6):1369-75

The protooncogene c-fos is transcriptionally active in normal human granulocytes. Heidorn K, et al. **Blood** 1987 Aug; 70(2):456-9

c-myc and c-fos expression during interferon-alpha therapy for hairy cell leukemia. Lehn P, et al. **Blood** 1986 Oct; 68(4):967-70

Selective expression of fos proto-oncogene in human acute myelomonocytic and monocytic leukemias: a molecular marker of terminal differentiation. Mavilio F, et al. **Blood** 1987 Jan;69(1):160-4

Expression of the c-raf protooncogene in human hematopoietic cells and cell lines. Sariban E, et al. **Blood** 1987 May;69(5):1437-40

Identification of a restriction fragment length polymorphism involving the oncogene ETS-1 on chromosome 11q23. Savage PD, et al. **Blood** 1987 Jul;70(1):327-9

Ha-ras-1 restriction fragment length polymorphism and susceptibility to colon adenocarcinoma. Ceccherini-Nelli L, et al. **Br J Cancer** 1987 Jul;56(1):1-5

Proto-oncogene c-fos is highly induced by disruption of neonatal but not of mature brain tissue. Ruppert C, et al. **Brain Res** 1987 Apr;388(1):51-6

Molecular biology of proto-oncogenes in genitourinary cancers. Peehl DM. **Cancer** 1987 Aug 1;60(3 Suppl):645-9

Molecular characteristics of chronic myelogenous leukemia in blast crisis. Blick M, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):349-56

Enhanced expression of four cellular oncogenes in a human glioblastoma cell line. Blin N, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):285-92

Chromosome marker and enhanced expression of c-Ha-ras in a DMBA-induced erythroleukemia cell line (D5A1). Chen HL, et al. **Cancer Genet Cytogenet** 1987 Oct; 28(2):301-9

Cloning of a non-c-myc DNA fragment from the double minutes of a human colon carcinoid cell line. Hubbell HR, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):17-31

The effect of cytosine-arabinoside treatment on the overexpression of c-myc protooncogene in a case of prolymphocytic leukemia. Kaczmarek L, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):89-99

Amplification of the c-myc oncogene is associated with an abnormally banded region on chromosome 8 or double minute chromosomes in two HL-60 human leukemia sublines. Misawa S, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):127-35

Human-fms gene is retained in acute lymphoblastic leukemia cells with del(5)(q32). Ohyashiki JH, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):341-50

Localization of the human c-mos gene by in situ hybridization in two cases of acute nonlymphocytic leukemia type M2. Rosendorff J, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):137-41

Translocation of c-sis protooncogene in peripheral neuroepithelioma. Thiele CJ, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):119-28

Clarification of the chromosomal assignment of the human P-glycoprotein/mdr1 gene: possible coincidence with the cystic fibrosis and c-met oncogene [letter] Trent JM, et al. **Cancer Genet Cytogenet** 1987 May;26(1):187-90

The cellular ets genes: molecular biology and clinical implications in human leukemias. Papas TS, et al. **Cancer Invest** 1986;4(6):555-74 (54 ref.)

Calcium, cyclic AMP and protein kinase C--partners in mitogenesis. Whitfield JF, et al. **Cancer Metastasis Rev** 1987;5(3):205-50 (433 ref.)

Terminal erythroid differentiation in the K-562 cell line by 1-beta-D-arabinofuranosylcytosine: accompaniment by c-myc messenger RNA decrease. Bianchi Scarrà GL, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6327-32

Consistent N-myc copy number in simultaneous or consecutive neuroblastoma samples from sixty individual patients. Brodeur GM, et al. **Cancer Res** 1987 Aug 15; 47(16):4248-53

Altered regulation of c-myc in an HL-60 differentiation resistant subclone, HL-60-1E3. Ely CM, et al. **Cancer Res** 1987 Sep 1;47(17):4595-600

Expression of growth-regulated genes in human acute leukemias. Ferrari S, et al. **Cancer Res** 1986 Oct; 46(10):5162-6

A cell line from a human ovarian carcinoma with amplification of the K-ras gene. Filmus J, et al. **Cancer Res** 1986 Oct;46(10):5179-82

Secretion of type IV collagenolytic protease and metastatic phenotype: induction by transfection with c-Ha-ras but not c-Ha-ras plus Ad2-E1a. Garbisa S, et al. **Cancer Res** 1987 Mar 15;47(6):1523-8

Expression of N-myc and c-src during the development of fetal human brain. Grady EF, et al. **Cancer Res** 1987 Jun 1;47(11):2931-6

Correlation of thyroid hormone dose-dependent regulation of K-ras protooncogene expression with oncogene activation by 3-methylcholanthrene: loss of thyroidal regulation in the transformed mouse cell. Guernsey DL, et al. **Cancer Res** 1987 Jun 15;47(12):3052-6

Enhanced expression of the c-myc gene in bovine leukemia virus-induced bovine tumors. Gupta P, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6295-8

Analysis of c-myc expression in a human hepatoma cell line. Huber BE, et al. **Cancer Res** 1987 Jul 1;47(13):3414-20

Enhanced expression of the N-myc gene in Wilms' tumors. Nisen PD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6217-22

Differing patterns of human protooncogene expression in peripheral blood and bone marrow acute leukemia cells. Preisler HD, et al. **Cancer Res** 1987 Jul 15;47(14):3747-51

Expression of the protooncogenes c-myc, c-fos, and c-fms in acute myelocytic leukemia at diagnosis and in remission. Preisler HD, et al. **Cancer Res** 1987 Feb 1;47(3):874-80

Expression of neurotransmitter receptors and myc protooncogenes in subclones of a human neuroblastoma cell line. Sadée W, et al. **Cancer Res** 1987 Oct 1; 47(19):5207-12

Enhanced expression of c-myc and decreased expression of c-fos protooncogenes in chemically and radiation-transformed C3H/10T1/2 Cl 8 mouse embryo cell lines. Shuin T, et al. **Cancer Res** 1986 Oct; 46(10):5302-11

Activation of the K-ras protooncogene in lung tumors from rats and mice chronically exposed to tetranitromethane. Stowers SJ, et al. **Cancer Res** 1987 Jun 15;47(12):3212-9

Erythroid differentiation and modulation of c-myc expression induced by antineoplastic drugs in the human leukemic cell line K562. Tonini GP, et al. **Cancer Res** 1987 Sep 1;47(17):4544-7

c-Ki-ras gene amplification and malignant behavior in murine embryonal carcinoma cell lines. Vilette D, et al. **Cancer Res** 1987 Feb 1;47(3):867-73

Functions of the mos oncogene family and associated gene products. Bold RJ, et al. **Cancer Surv** 1986;5(2):243-55

Growth factors and transformation. Roberts AB, et al. **Cancer Surv** 1986;5(2):405-12

Activation of H-ras oncogene in 3-methylcholanthrene-transformed human cell line. Rhim JS, et al. **Carcinogenesis** 1987 Aug;8(8):1165-7

Activation of the met oncogene in the human MNNG-HOS cell line involves a chromosomal rearrangement. Tempest PR, et al. **Carcinogenesis** 1986 Dec;7(12):2051-7

Involvement of common and cell type-specific pathways in c-fos gene control: stable induction of cAMP in macrophages. Bravo R, et al. **Cell** 1987 Jan 30;48(2):251-60

A retrovirus vector expressing the putative mammary oncogene int-1 causes partial transformation of a mammary epithelial cell line. Brown AM, et al. **Cell** 1986 Sep 26; 46(7):1001-9

Nucleoprotein complexes that regulate gene expression in adipocyte differentiation: direct participation of c-fos. Distel RJ, et al. **Cell** 1987 Jun 19;49(6):835-44

Structure of the human and murine R-ras genes, novel genes closely related to ras proto-oncogenes. Lowe DG, et al. **Cell** 1987 Jan 16;48(1):137-46

Pancreatic neoplasia induced by ras expression in acinar cells of transgenic mice. Quaife CJ, et al. **Cell** 1987 Mar 27; 48(6):1023-34

Expression of the proto-oncogene int-1 is restricted to postmeiotic male germ cells and the neural tube of mid-gestational embryos. Shackleford GM, et al. **Cell** 1987 Jul 3;50(1):89-95

Alternative splicing of RNAs transcribed from the human abl gene and from the bcr-abl fused gene. Shtivelman E, et al. **Cell** 1986 Oct 24;47(2):277-84

Coexpression of MMTV/v-Ha-ras and MMTV/c-myc genes in transgenic mice: synergistic action of oncogenes in vivo. Sinn E, et al. **Cell** 1987 May 22;49(4):465-75

Expression of the proto-oncogene int-1 is restricted to specific neural cells in the developing mouse embryo. Wilkinson DG, et al. **Cell** 1987 Jul 3;50(1):79-88

Transfection and amplification of the chicken c-src proto-oncogene in Rat-1 cells. Dyson PJ, et al. **Cell Biol Int Rep** 1987 May;11(5):379-88

Amplification of the c-myc gene and the elevation of its transcripts in human ovarian tumor lines. Yasue H, et al. **Cell Struct Funct** 1987 Feb;12(1):121-5

Oncogene probes in the detection of human cancer. Showe LC, et al. **Clin Physiol Biochem** 1987;5(3-4):227-37

Human steroid receptors and erb-A gene products form a superfamily of enhancer-binding proteins. Weinberger C, et al. **Clin Physiol Biochem** 1987;5(3-4):179-89

Molecular characterization of the human trk oncogene. Martin-Zanca D, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:983-92

Structure of the activated c-raf-1 gene from human stomach cancer. Nakatsu Y, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1001-8

Oncogenic potential of the human platelet-derived growth factor transcriptional unit. Rao CD, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:959-66

Human steroid receptors and erbA proto-oncogene products: members of a new superfamily of enhancer binding proteins. Weinberger C, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:759-72

c-myc-induced lymphomagenesis in transgenic mice and the role of the Pvt-1 locus in lymphoid neoplasia. Adams JM, et al. **Curr Top Microbiol Immunol** 1986;132:1-8

Induction of clonal monocyte/macrophage tumors in vivo by a mouse c-myc retrovirus: evidence for secondary transforming events. Baumbach WR, et al. **Curr Top Microbiol Immunol** 1986;132:23-32

Structure and expression of c-myb protooncogene mRNA in murine B-cells. Bender TP, et al. **Curr Top Microbiol Immunol** 1986;132:153-8

Induction of fgr proto-oncogene mRNA in B lymphocytes as a consequence of Epstein-Barr virus infection. Cheah MS, et al. **Curr Top Microbiol Immunol** 1986;132:237-45

Transformation and insertional mutagenesis in vitro of primary hematopoietic stem cell cultures. Cleveland JL, et al. **Curr Top Microbiol Immunol** 1986;132:44-54

Studies on c-myc regulation in normal and transformed cells. Marcu KB, et al. **Curr Top Microbiol Immunol** 1986; 132:345-54

Activation of proto-oncogene expression by growth regulatory signals. Ran W, et al. **Curr Top Microbiol Immunol** 1986;132:313-9

Characterization and nuclear localization of the v- and c-myc proteins. Sullivan N, et al. **Curr Top Microbiol Immunol** 1986;132:355-61

Differential expression of N-myc, c-myc and c-src proto-oncogenes during the course of induced differentiation of murine embryonal carcinoma cells. Sumegi J, et al. **Curr Top Microbiol Immunol** 1986; 132:297-304

Induction of hematopoietic tumors using a viral construct containing c-myc cDNA from normal mouse spleen. Wolff L, et al. **Curr Top Microbiol Immunol** 1986;132:33-9

Biological effects of high level c-myc expression in FR3T3 fibroblasts. Zerlin M, et al. **Curr Top Microbiol Immunol** 1986;132:320-6

Mapping of the oncogenes Myc, Sis, and int-1 to the distal part of mouse chromosome 15. Adolph S, et al. **Cytogenet Cell Genet** 1987;44(2-3):65-8

The cellular homologue of the transforming gene of SKV avian retrovirus maps to human chromosome region 1q22----q24. Chaganti RS, et al. **Cytogenet Cell Genet** 1986;43(3-4):181-6

High-resolution in situ hybridization technique using biotinylated NMYC oncogene probe reveals periodic structure of HSRs in human neuroblastoma. Garson JA, et al. **Cytogenet Cell Genet** 1987;45(1):10-5

Owl monkey gene loci for c-fes and albumin are syntenic. Ma NS. **Cytogenet Cell Genet** 1986;43(3-4):211-4

Assignment of RAS proto-oncogenes in Chinese hamsters: implications for mammalian gene linkage conservation and neoplasia. Stallings RL, et al. **Cytogenet Cell Genet** 1986; 43(1-2):2-5

Lineage-specific expression of c-fos and c-fms in human hematopoietic cells: discrepancies with the in vitro differentiation of leukemia cells. Kreipe H, et al. **Differentiation** 1986;33(1):56-60

Induction of platelet-derived growth factor gene expression during megakaryoblastic and monocytic differentiation of human leukemia cell lines. Alitalo R, et al. **EMBO J** 1987 May;6(5):1213-8

DNA topoisomerase II cleaves at specific sites in the 5' flanking region of c-fos proto-oncogenes in vitro. Darby MK, et al. **EMBO J** 1986 Sep;5(9):2257-65

Identification in chicken macrophages of a set of proteins related to, but distinct from, the chicken cellular c-ets-encoded protein p54c-ets. Ghysdael J, et al. **EMBO J** 1986 Sep;5(9):2251-6

Identification and characterization of the protein encoded by the human c-myb proto-oncogene. Klempnauer KH, et al. **EMBO J** 1986 Aug;5(8):1903-11

Overexpression of the EGF receptor-related proto-oncogene erbB-2 in human mammary tumor cell lines by different molecular mechanisms. Kraus MH, et al. **EMBO J** 1987 Mar;6(3):605-10

Transformation and stimulation of DNA synthesis in NIH-3T3 cells are a titratable function of normal p21N-ras expression. McKay IA, et al. **EMBO J** 1986 Oct; 5(10):2617-21

Xenopus cytoskeletal actin and human c-fos gene promoters share a conserved protein-binding site. Mohun T, et al. **EMBO J** 1987 Mar;6(3):667-73

Two different factors bind to the alpha-domain of the polyoma virus enhancer, one of which also interacts with the SV40 and c-fos enhancers. Piette J, et al. **EMBO J** 1987 May;6(5):1331-7

Evolutionary conserved close linkage of the c-fes/fps proto-oncogene and genetic sequences encoding a receptor-like protein. Roebroek AJ, et al. **EMBO J** 1986 Sep;5(9):2197-202

Proto-oncogene c-myc is expressed in cerebellar neurons at different developmental stages. Ruppert C, et al. **EMBO J** 1986 Aug;5(8):1897-901

Xenopus myc proto-oncogene during development: expression as a stable maternal mRNA uncoupled from cell division. Taylor MV, et al. **EMBO J** 1986 Dec 20; 5(13):3563-70

Multiple c-myb transcript cap sites are variously utilized in cells of mouse haemopoietic origin. Watson RJ, et al. **EMBO J** 1987 Jun;6(6):1643-51

The first exon of the c-myc proto-oncogene contains a novel positive control element. Yang JQ, et al. **EMBO J** 1986 Dec 20;5(13):3553-62

Initiation of normal thyroid cells in primary culture associated with enhanced c-myc messenger ribonucleic acid levels. Hirayu H, et al. **Endocrinology** 1987 Mar; 120(3):924-8

Insulin-like growth factor I induces c-fos messenger ribonucleic acid in L6 rat skeletal muscle cells. Ong J, et al. **Endocrinology** 1987 Jan;120(1):353-7

Inhibition of proto-oncogene c-fos transcription by inhibitors of protein kinase C and ion transport. Shibanuma M, et al. **Eur J Biochem** 1987 Apr 1;164(1):15-9

Nucleotide sequence of the chicken proto-oncogene c-erbA corresponding to domain 1 of v-erbA. Zahraoui A, et al. **Eur J Biochem** 1987 Jul 1;166(1):63-9

Modulation of c-fos and c-myc mRNA levels in normal human lymphocytes by calcium ionophore A23187 and phorbol ester. Grausz JD, et al. **Eur J Immunol** 1986 Oct; 16(10):1217-21

Kinetics of cellular oncogene expression in mouse lymphocytes. II. Regulation of c-fos and c-myc gene expression. Schneider-Schaulies J, et al. **Eur J Immunol** 1987 May;17(5):713-8

Human c-fos proto-oncogene mapped to chromosome 14, band q24.3-q31. Possibilities for oncogene activation by chromosomal rearrangements in human neoplasms. Ekstrand AJ, et al. **Exp Cell Res** 1987 Mar;169(1):262-6

Comparative analysis of the involvement of p53, c-myc and c-fos in epidermal growth factor-mediated signal transduction. Filmus J, et al. **Exp Cell Res** 1987 Apr; 169(2):554-9

Possible role of c-fos, c-N-ras and c-mos proto-oncogenes in muscular development. Leibovitch MP, et al. **Exp Cell Res** 1987 May;170(1):80-92

Bombesin stimulation of c-fos and c-myc gene expression in cultures of Swiss 3T3 cells. Palumbo AP, et al. **Exp Cell Res** 1986 Nov;167(1):276-80

Effects of epidermal growth factor and platelet-derived growth factor on c-fos and c-myc mRNA levels in normal human fibroblasts. Paulsson Y, et al. **Exp Cell Res** 1987 Jul;171(1):186-94

Cellular ras activity and tumor cell proliferation. Stacey DW, et al. **Exp Cell Res** 1987 Jul;171(1):232-42

Enhanced c-fos expression in differentiated monomyelocytic cells is associated with differentiation and not with the position of the differentiated cells in the cell cycle. Tsuda H, et al. **Exp Hematol** 1987 Jul;15(6):700-3

Transcriptional enhancer activity in the variable tandem repeat DNA sequence downstream of the human Ha-ras 1 gene. Spandidos DA, et al. **FEBS Lett** 1987 Jun 22; 218(1):41-6

Two exons specific for the myb proto-oncogene found upstream from the avian myeloblastosis virus-transduced myb sequences. Dvořák M, et al. **Folia Biol (Praha)** 1987; 33(1):1-10

Protooncogene abnormalities in colon cancers and adenomatous polyps [published erratum appears in Gastroenterology 1987 Jul;93(1):223] Meltzer SJ, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1174-80

Sequence and genomic structure of ras homologues Dmras85D and Dmras64B of Drosophila melanogaster. Brock HW. **Gene** 1987;51(2-3):129-37

Induction of v-mos and activated Ha-ras oncogene expression in quiescent NIH 3T3 cells causes intracellular alkalinization and cell-cycle progression. Doppler W, et al. **Gene** 1987;54(1):147-53

Specific association between type-II intracisternal A-particle elements and other repetitive sequences in the mouse genome. Lueders KK. **Gene** 1987;52(2-3):139-46

Nucleotide sequence of the 1.2-kb 3'-region and genotype distribution of two common c-myc alleles of the domestic cat. Soe LH, et al. **Gene** 1986;47(2-3):185-92

Proto-oncogene activation in human hematologic malignancies. Saglio G, et al. **Haematologica (Pavia)** 1986 Nov-Dec;71(6):497-509 (145 ref.)

Molecular genetics of human B cell neoplasia. Croce CM. **Horiz Biochem Biophys** 1986;8:545-70

Cellular oncogenes and the pathogenesis of human cancer. Dalla-Favera R, et al. **Horiz Biochem Biophys** 1986; 8:503-44 (157 ref.)

Nineteen of 26 cellular oncogenes precisely localized in the human genome map to one of the 83 bands involved in primary cancer-specific rearrangements. Heim S, et al. **Hum Genet** 1987 Jan;75(1):70-2

Oncogenes and germ cell tumours. Sikora K, et al. **Int J Androl** 1987 Feb;10(1):57-67

Development of quantitative liquid competition radioimmunoassays for the ras oncogene and proto-oncogene p21 products. Caruso A, et al. **Int J Cancer** 1986 Oct 15;38(4):587-95

A t(8;14)(q24;q11) translocation in a T-cell leukemia (L1-ALL) with c-myc and TcR-alpha chain locus rearrangements. Mathieu-Mahul D, et al. **Int J Cancer** 1986 Dec 15;38(6):835-40

Prognostic implications of expression of the cellular genes myc, fos, Ha-ras and Ki-ras in colon carcinoma. Monnat M, et al. **Int J Cancer** 1987 Sep 15;40(3):293-9

Conversion of the lymphoma line "BJAB" by Epstein-Barr virus into phenotypically altered sublines is accompanied by increased c-myc mRNA levels. Wennborg A, et al. **Int J Cancer** 1987 Aug 15;40(2):202-6

The role of proto-oncogenes in human cancer: implications for diagnosis and treatment. Cline MJ. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1297-301 (13 ref.)

Interferons and the regulation of oncogenes. Jonak GJ, et al. **Interferon** 1986;7:167-83 (95 ref.)

Protein kinase C-dependent and -independent pathways of proto-oncogene induction in human astrocytoma cells. Blackshear PJ, et al. **J Biol Chem** 1987 Jun 5; 262(16):7774-81

Tumor necrosis factor and interleukin-1 cause a rapid and transient stimulation of c-fos and c-myc mRNA levels in human fibroblasts. Lin JX, et al. **J Biol Chem** 1987 Sep 5;262(25):11908-11

Two independent growth factor-generated signals regulate c-fos and c-myc mRNA levels in Swiss 3T3 cells. McCaffrey P, et al. **J Biol Chem** 1987 Feb 5;262(4):1442-5

Nucleotide sequence comparison of the predicted first exonic region of goldfish ras gene between normal and neoplastic tissues. Nemoto N, et al. **J Cancer Res Clin Oncol** 1987; 113(1):56-60

Suppression of tumorigenicity in somatic cell hybrids does not involve quantitative changes in transcription of cellular Ha-ras, Ki-ras, myc, and fos oncogenes. Schäfer R, et al. **J Cell Biochem** 1987 May;34(1):31-8

Cyclic AMP-mediated suppression of normal and neoplastic B cell proliferation is associated with regulation of myc and Ha-ras protooncogenes. Blomhoff HK, et al. **J Cell Physiol** 1987 Jun;131(3):426-33

Homologous and heterologous desensitization of proto-oncogene cfos expression in murine peritoneal macrophages. Introna M, et al. **J Cell Physiol** 1987 Apr; 131(1):36-42

Bombesin induction of c-fos and c-myc proto-oncogenes in Swiss 3T3 cells: significance for the mitogenic response. Rozengurt E, et al. **J Cell Physiol** 1987 May;131(2):218-25

Expression of the myc cellular proto-oncogene in human thyroid tissue. Yamashita S, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1170-3

c-myc gene inactivation during induced maturation of HL-60 cells. Transcriptional repression and loss of a specific DNAse I hypersensitive site. High KA, et al. **J Clin Invest** 1987 Jan;79(1):93-9

Proto-oncogene abnormalities in human breast cancer: correlations with anatomic features and clinical course of disease. Cline MJ, et al. **J Clin Oncol** 1987 Jul;5(7):999-1006

Proto-oncogene structure and breast cancer prognosis [editorial] Viola MV. **J Clin Oncol** 1987 Jul;5(7):993-5

Expression of c-myc oncogene in coeliac disease. Ciclitira PJ, et al. **J Clin Pathol** 1987 Mar;40(3):307-11

Elevated myc expression and c-myc amplification in spontaneously occurring B lymphoid cell lines. Citri Y, et al. **J Exp Med** 1987 Apr 1;165(4):1188-94

Chemoattractant-induced activation of c-fos gene expression in human monocytes. Ho YS, et al. **J Exp Med** 1987 Jun 1;165(6):1524-38

Induction of c-ets and c-fos gene expression upon antigenic stimulation of a T cell hybridoma with inducible cytolytic capacity. Kaufmann Y, et al. **J Exp Med** 1987 Sep 1; 166(3):810-5

Proteins antigenically related to peptides encoded by the mouse mammary tumour virus long terminal repeat sequence are associated with intracytoplasmic A particles. Smith GH, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):473-86

Human neutrophilic and eosinophilic granulocytes display different levels of c-fos proto-oncogene expression: an in situ hybridization study. Kreipe H, et al. **J Histochem Cytochem** 1987 Aug;35(8):837-42

Modulations of functional activity in differentiated macrophages are accompanied by early and transient increase or decrease in c-fos gene transcription. Collart MA, et al. **J Immunol** 1987 Aug 1;139(3):949-55

Effects of anti-proliferative cyclic AMP on interleukin 2-stimulated gene expression. Farrar WL, et al. **J Immunol** 1987 Sep 15;139(6):2075-80

Effects of interferon-gamma on proto-oncogene expression during induction of human monocytic differentiation. Sariban E, et al. **J Immunol** 1987 Mar 15;138(6):1954-8

Regulation of c-myc RNA and its proteins in Daudi cells by interferon-beta. Jonak GJ, et al. **J Interferon Res** 1987 Feb;7(1):41-52

Activation of cryptic promoters of human c-myc genes in microinjected Xenopus laevis oocytes. Nishikura K. **J Mol Biol** 1987 Feb 5;193(3):497-505

c-mos upstream sequence exhibits species-specific enhancer activity and binds murine-specific nuclear proteins. van der Hoorn FA. **J Mol Biol** 1987 Jan 20;193(2):255-66

Multistage Friend erythroleukemia: independent origin of tumor clones with normal or rearranged p53 cellular oncogenes. Chow V, et al. **J Virol** 1987 Sep;61(9):2777-81

Generation of altered transcripts by retroviral insertion within the c-myb gene in two murine monocytic leukemias. Gonda TJ, et al. **J Virol** 1987 Sep;61(9):2754-63

Insertion of adenovirus type 12 DNA in the vicinity of an intracisternal A particle genome in Syrian hamster tumor cells. Lichtenberg U, et al. **J Virol** 1987 Sep;61(9):2719-26

v-myb does not prevent the expression of c-myb in avian erythroblasts. Lipsick JS. **J Virol** 1987 Oct;61(10):3284-7

Nucleotide sequence of a complete mouse intracisternal A-particle genome: relationship to known aspects of particle assembly and function. Mietz JA, et al. **J Virol** 1987 Oct;61(10):3020-9

Structure of the feline c-fes/fps proto-oncogene: genesis of a retroviral oncogene. Roebroek AJ, et al. **J Virol** 1987 Jun;61(6):2009-16

Dsi-1, a region with frequent proviral insertions in Moloney murine leukemia virus-induced rat thymomas. Vijaya S, et al. **J Virol** 1987 Apr;61(4):1164-70

Insertion and truncation of c-myb by murine leukemia virus in a myeloid cell line derived from cultures of normal hematopoietic cells. Weinstein Y, et al. **J Virol** 1987 Jul; 61(7):2339-43

Rearrangement of the c-myc oncogene with heavy-chain immunoglobulin enhancer in tumor DNA from an acute lymphoblastic leukemia patient. Guerrasio A, et al. **JNCI** 1987 May;78(5):845-51

Changes in proto-oncogene expression associated with reversal of macrophage-like differentiation of HL 60 cells. Studzinski GP, et al. **JNCI** 1987 Jul;79(1):67-76

Recurrent deletion of the short arm of chromosome 3 in human renal cell carcinoma: shift of the c-raf 1 locus. Teyssier JR, et al. **JNCI** 1986 Dec;77(6):1187-95

Transforming activity of human c-Ha-ras-1 proto-oncogene generated by the binding of 2-amino-6-methyl-dipyrido[1,2-a:3',2'-d]imidazole and 4-nitroquinoline N-oxide: direct evidence of cellular transformation by chemically modified DNA. Hashimoto Y, et al. **Jpn J Cancer Res** 1987 Mar;78(3):211-5

1 alpha,25-Dihydroxyvitamin D3 induces anchorage-independent growth and c-Ki-ras expression of BALB/3T3 and NIH/3T3 cells. Huh N, et al. **Jpn J Cancer Res** 1987 Feb;78(2):99-102

Human c-erbB-2 remains on chromosome 17 in band q21 in the 15;17 translocation associated with acute promyelocytic leukemia. Kaneko Y, et al. **Jpn J Cancer Res** 1987 Jan;78(1):16-9

Amplification of N-myc in a rhabdomyosarcoma. Mitani K, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1062-5

DNA amplification of the c-myc and c-erbB-1 genes in a human stomach cancer. Nomura N, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1188-92

Regional location of a novel yes-related proto-oncogene, syn, on human chromosome 6 at band q21. Yoshida MC, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1059-61

Rearrangement of the c-myc gene in two giant cell carcinomas of the lung. Yoshimoto K, et al. **Jpn J Cancer Res** 1986 Aug;77(8):731-5

Transmembrane signaling mechanisms of growth factors in Swiss 3T3 fibroblasts. Tsuda T. **Kobe J Med Sci** 1987 Feb; 33(1):1-18

C-myc proto-oncogene expression and prognosis in early carcinoma of the uterine cervix. Riou G, et al. **Lancet** 1987 Apr 4;1(8536):761-3

Elevation of c-abl-mRNA in human leukemic B lymphoblasts. de Kretser T, et al. **Leuk Res** 1986; 10(12):1391-9

Comparison of proto oncogene expression in seven primate fibroblast cultures. Nakamura KD, et al. **Mech Ageing Dev** 1987 Jul;39(2):177-87

The significance of proto-oncogenes in carcinogenesis. Rosen P. **Med Hypotheses** 1987 Jan;22(1):23-6

Expression of the c-myc oncogene under control of an immunoglobulin enhancer in E mu-myc transgenic mice. Alexander WS, et al. **Mol Cell Biol** 1987 Apr;7(4):1436-44

Modification of fos proteins: phosphorylation of c-fos, but not v-fos, is stimulated by 12-tetradecanoyl-phorbol-13-acetate and serum. Barber JR, et al. **Mol Cell Biol** 1987 Jun;7(6):2201-11

Induction of clonal monocyte-macrophage tumors in vivo by a mouse c-myc retrovirus: rearrangement of the CSF-1 gene as a secondary transforming event. Baumbach WR, et al. **Mol Cell Biol** 1987 Feb;7(2):664-71

Detection of c-rel-related transcripts in mouse hematopoietic tissues, fractionated lymphocyte populations, and cell lines. Brownell E, et al. **Mol Cell Biol** 1987 Mar;7(3):1304-9

Dissociation of c-fos induction from macrophage differentiation in human myeloid leukemic cell lines. Calabretta B. **Mol Cell Biol** 1987 Feb;7(2):769–74

Characterization and chromosome assignment of the human homolog of int-2, a potential proto-oncogene. Casey G, et al. **Mol Cell Biol** 1986 Feb;6(2):502–10

Characterization of the rearranged tpr-met oncogene breakpoint. Dean M, et al. **Mol Cell Biol** 1987 Feb; 7(2):921–4

Induction of proliferation of neuroretina cells by long terminal repeat activation of the carboxy-terminal part of c-mil. Dozier C, et al. **Mol Cell Biol** 1987 May;7(5):1995–8

Molecular cloning and characterization of an activated human c-raf-1 gene. Fukui M, et al. **Mol Cell Biol** 1987 May;7(5):1776–81

Localization of a novel v-erbB-related gene, c-erbB-2, on human chromosome 17 and its amplification in a gastric cancer cell line. Fukushige S, et al. **Mol Cell Biol** 1986 Mar;6(3):955–8

Multiple domains for the chicken cellular sequences homologous to the v-ets oncogene of the E26 retrovirus. Gegonne A, et al. **Mol Cell Biol** 1987 Feb;7(2):806–12

Structure of the protein encoded by the chicken proto-oncogene c-myb. Gerondakis S, et al. **Mol Cell Biol** 1986 Nov;6(11):3677–84

Mutation of the c-fos gene dyad symmetry element inhibits serum inducibility of transcription in vivo and the nuclear regulatory factor binding in vitro. Greenberg ME, et al. **Mol Cell Biol** 1987 Mar;7(3):1217–25

Generation of a variant t(2;8) translocation of Burkitt's lymphoma by site-specific recombination via the kappa light-chain joining signals. Hartl P, et al. **Mol Cell Biol** 1987 Jun;7(6):2037–45

The chicken c-erbA proto-oncogene is preferentially expressed in erythrocytic cells during late stages of differentiation. Hentzen D, et al. **Mol Cell Biol** 1987 Jul; 7(7):2416–24

Structural and functional characterization of the promoter region of the mouse c-Ki-ras gene. Hoffman EK, et al. **Mol Cell Biol** 1987 Jul;7(7):2592–6

Expression of the intracisternal A-particle is elevated during differentiation of embryonal carcinoma cells. Howe CC, et al. **Mol Cell Biol** 1986 Jan;6(1):150–7

Rat c-raf oncogene activation by a rearrangement that produces a fused protein. Ishikawa F, et al. **Mol Cell Biol** 1987 Mar;7(3):1226–32

Expression of the c-myc proto-oncogene during development of Xenopus laevis. King MW, et al. **Mol Cell Biol** 1986 Dec;6(12):4499–508

Monoclonal antibody Y13-259 recognizes an epitope of the p21 ras molecule not directly involved in the GTP-binding activity of the protein. Lacal JC, et al. **Mol Cell Biol** 1986 Apr;6(4):1002–9

Activation of ras p21 transforming properties associated with an increase in the release rate of bound guanine nucleotide. Lacal JC, et al. **Mol Cell Biol** 1986 Dec;6(12):4214–20

Modulation of transforming growth factor type beta action by activated ras and c-myc. Leof EB, et al. **Mol Cell Biol** 1987 Jul;7(7):2649–52

Target sequences for cis-acting regulation within the dual promoter of the human c-myc gene. Lipp M, et al. **Mol Cell Biol** 1987 Apr;7(4):1393–400

Mitogenic effects of the proto-oncogene and oncogene forms of c-H-ras DNA in human diploid fibroblasts. Lumpkin CK, et al. **Mol Cell Biol** 1986 Aug;6(8):2990–3

Malignant transformation of murine fibroblasts by a human c-Ha-ras-1 oncogene does not require a functional epidermal growth factor receptor. McKay IA, et al. **Mol Cell Biol** 1986 Oct;6(10):3382–7

Proto-oncogene c-ros codes for a molecule with structural features common to those of growth factor receptors and displays tissue specific and developmentally regulated expression. Neckameyer WS, et al. **Mol Cell Biol** 1986 May; 6(5):1478–86

Antisense RNA of proto-oncogene c-fos blocks renewed growth of quiescent 3T3 cells. Nishikura K, et al. **Mol Cell Biol** 1987 Feb;7(2):639–49

Protein product of proto-oncogene c-mil. Patschinsky T, et al. **Mol Cell Biol** 1986 Feb;6(2):739–44

Multiple growth-associated nuclear proteins immunoprecipitated by antisera raised against human c-myc peptide antigens. Persson H, et al. **Mol Cell Biol** 1986 Mar;6(3):942–9

c-mos proto-oncogene RNA transcripts in mouse tissues: structural features, developmental regulation, and localization in specific cell types. Propst F, et al. **Mol Cell Biol** 1987 May;7(5):1629–37

Augmentation of c-fos mRNA expression by activators of protein kinase C in fresh, terminally differentiated resting macrophages. Radzioch D, et al. **Mol Cell Biol** 1987 Feb; 7(2):595–9

Human proto-oncogene N-myc encodes nuclear proteins that bind DNA. Ramsay G, et al. **Mol Cell Biol** 1986 Dec; 6(12):4450–7

Presence of a c-myc transcript initiated in intron 1 in Friend erythroleukemia cells and in other murine cell types with no evidence of c-myc gene rearrangement. Ray D, et al. **Mol Cell Biol** 1987 Feb;7(2):940–5

Deletion of 5'-coding sequences of the cellular p53 gene in mouse erythroleukemia: a novel mechanism of oncogene regulation. Rovinski B, et al. **Mol Cell Biol** 1987 Feb; 7(2):847–53

Antibodies to the ras gene product inhibit adenylate cyclase and accelerate progesterone-induced cell division in Xenopus laevis oocytes. Sadler SE, et al. **Mol Cell Biol** 1986 Feb;6(2):719–22

Interferon-induced revertants of ras-transformed cells: resistance to transformation by specific oncogenes and retransformation by 5-azacytidine. Samid D, et al. **Mol Cell Biol** 1987 Jun;7(6):2196–200

Activation of c-myc and c-K-ras oncogenes in primary rat tumors induced by ionizing radiation. Sawey MJ, et al. **Mol Cell Biol** 1987 Feb;7(2):932–5

Autonomous expression of c-myc in BC3H1 cells partially inhibits but does not prevent myogenic differentiation. Schneider MD, et al. **Mol Cell Biol** 1987 May;7(5):1973–7

Two modes of c-myb activation in virus-induced mouse myeloid tumors [published erratum appears in Mol Cell Biol 1986 Jul;6(7):2756] Shen-Ong GL, et al. **Mol Cell Biol** 1986 Feb;6(2):380–92

Neoplastic transformation by the human gene N-myc. Small MB, et al. **Mol Cell Biol** 1987 May;7(5):1638–45

p185, a product of the neu proto-oncogene, is a receptorlike protein associated with tyrosine kinase activity. Stern DF, et al. **Mol Cell Biol** 1986 May;6(5):1729–40

Definition of regions in human c-myc that are involved in transformation and nuclear localization. Stone J, et al. **Mol Cell Biol** 1987 May;7(5):1697–709

Characterization of cDNA clones for the human c-yes gene. Sukegawa J, et al. **Mol Cell Biol** 1987 Jan;7(1):41–7

Relatively stable population of c-myc RNA that lacks long poly(A). Swartwout SG, et al. **Mol Cell Biol** 1987 Jun; 7(6):2052–8

Activation of oncogenicity of the c-rel proto-oncogene. Sylla BS, et al. **Mol Cell Biol** 1986 Dec;6(12):4709–16

Rearrangement of rat immunoglobulin E heavy-chain and c-myc genes in the B-cell immunocytoma IR162. Tian SS, et al. **Mol Cell Biol** 1987 Jul;7(7):2614–9

A study of mechanisms of carcinogenesis by gene transfer of oncogenes into mammalian cells. Spandidos DA, et al. **Mutat Res** 1987 May;185(3):271–91 (116 ref.)

The mechanism of transduction of proto-oncogene c-src by avian retroviruses. Wang LH. **Mutat Res** 1987 Sep; 186(2):135–47 (82 ref.)

Mutational activation of the K-ras oncogene. A possible pathogenetic factor in adenocarcinoma of the lung. Rodenhuis S, et al. **N Engl J Med** 1987 Oct 8; 317(15):929–35

Proto-oncogenes and human cancers [editorial] Slamon DJ. **N Engl J Med** 1987 Oct 8;317(15):955–7

Potential oncogene product related to growth factors [letter] Dickson C, et al. **Nature** 1987 Apr 30-May 6;326(6116):833

Proto-oncogene c-fos expression in growth regions of fetal bone and mesodermal web tissue. Dony C, et al. **Nature** 1987 Aug 20-26;328(6132):711–4

Frequent c-fms activation by proviral insertion in mouse myeloblastic leukaemias. Gisselbrecht S, et al. **Nature** 1987 Sep 17-23;329(6136):259–61

The t(8; 14) chromosomal translocation occurring in B-cell malignancies results from mistakes in V-D-J joining. Haluska FG, et al. **Nature** 1986 Nov 13–19; 324(6093):158–61

Phenotypic changes induced by a mutated ras gene during the development of Dictyostelium transformants. Reymond CD, et al. **Nature** 1986 Sep 25-Oct 1;323(6086):340–3

The c-erb-A protein is a high-affinity receptor for thyroid hormone. Sap J, et al. **Nature** 1986 Dec 18–31; 324(6098):635–40

Modulation of c-fos gene transcription by negative and positive cellular factors. Sassone-Corsi P, et al. **Nature** 1987 Apr 2–8;326(6112):507–10

The c-erb-A gene encodes a thyroid hormone receptor. Weinberger C, et al. **Nature** 1986 Dec 18–31; 324(6098):641–6

In vivo and in vitro stimulation by antitumor drugs of the topoisomerase II-induced cleavage sites in c-myc proto-oncogene. Riou JF, et al. **NCI Monogr** 1987;(4):41–7

Regulation of c-fos gene expression in hamster fibroblasts: initiation and elongation of transcription and mRNA degradation. Fort P, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5657–67

Nearly identical members of the heterogeneous IAP gene family are expressed in thymus of different mouse strains. Grossman Z, et al. **Nucleic Acids Res** 1987 May 11; 15(9):3823–34

Characterization of rat c-myc and adjacent regions. Hayashi K, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6419–36

Replication of proto-oncogenes early during the S phase in mammalian cell lines. Iqbal MA, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):87–103

The human c-Kirsten ras gene is activated by a novel mutation in codon 13 in the breast carcinoma cell line MDA-MB231. Kozma SC, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):5963–71

Molecular analysis of elements inserted into mouse gamma-actin processed pseudogenes. Man YM, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3291–304

Chromatin association and DNA binding properties of the c-fos proto-oncogene product. Renz M, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):277–92

A polymorphic SstI site within the human ets-1 gene in the 11q23 region. Sacchi N, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9545

Clustered somatic mutations in and around first exon of non-rearranged c-myc in Burkitt lymphoma with t(8;22) translocation. Szajnert MF, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4553–65

Genetic organization of the c-sis transcription unit. Van den Ouweland AM, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):959–70

Rapid and reversible changes in nucleosome structure accompany the activation, repression, and superinduction of murine fibroblast protooncogenes c-fos and c-myc. Chen TA, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5252–6

Trans-acting elements modulate expression of the human c-myc gene in Burkitt lymphoma cells. Chung J, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7918–22

Barium modulates c-fos expression and post-translational modification. Curran T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8521–4

Nucleotide sequence and characterization of the 5' flanking region of the rat Ha-ras protooncogene. Damante G, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):774–8

Inducible binding of a factor to the c-fos regulatory region. Hayes TE, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1272–6

Characterization of the promoter region of the human c-erbB-2 protooncogene. Ishii S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4374–8

Two proto-oncogenes implicated in mammary carcinogenesis, int-1 and int-2, are independently regulated during mouse development. Jakobovits A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7806–10

Alpha-chain locus of the T-cell antigen receptor is involved in the t(10;14) chromosome translocation of T-cell acute lymphocytic leukemia. Kagan J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4543–6

Drastically increased expression of MYC and FOS protooncogenes during in vitro differentiation of chronic lymphocytic leukemia cells. Larsson LG, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):223–7

Expression of a set of growth-related immediate early genes in BALB/c 3T3 cells: coordinate regulation with c-fos or c-myc. Lau LF, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1182–6

Identification of an activated c-Ki-ras oncogene in rat liver tumors induced by aflatoxin B1. McMahon G, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9418–22

Human c-myb protooncogene: nucleotide sequence of cDNA and organization of the genomic locus. Majello B, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9636–40

Overlapping cDNA clones define the complete coding region for the P210c-abl gene product associated with chronic myelogenous leukemia cells containing the Philadelphia chromosome [published erratum appears in Proc Natl Acad Sci USA 1987 Apr;84(8):2507] Mes-Masson AM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9768–72

Distinct developmental patterns of c-mos protooncogene expression in female and male mouse germ cells. Mutter GL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5301–5

Sequence of MET protooncogene cDNA has features characteristic of the tyrosine kinase family of growth-factor receptors. Park M, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6379–83

Induction of c-fos and c-myc mRNA by epidermal growth factor or calcium ionophore is cAMP dependent. Ran W, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8216–20

Promoter trans-activation of protooncogenes c-fos and c-myc, but not c-Ha-ras, by products of adenovirus early region 1A. Sassone-Corsi P, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6430–3

Increased radiation-induced transformation in C3H/10T1/2 cells after transfer of an exogenous c-myc gene. Sorrentino V, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4131–4

Potentiation of growth factor activity by exogenous c-myc expression. Sorrentino V, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8167–71

Molecular cloning of the akt oncogene and its human homologues AKT1 and AKT2: amplification of AKT1 in a primary human gastric adenocarcinoma. Staal SP. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5034–7

Cardiac myocyte hypertrophy is associated with c-myc protooncogene expression. Starksen NF, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8348–50

Insulin and growth factor effects on c-fos expression in normal and protein kinase C-deficient 3T3-L1 fibroblasts and adipocytes. Stumpo DJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9453–7

Molecular analysis of TCRB and ABL in a t(7;9)-containing cell line (SUP-T3) from a human T-cell leukemia. Westbrook CA, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):251–5

Differential expression and regulation of the c-src and c-fgr protooncogenes in myelomonocytic cells. Willman CL, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4480–4

Regulation of c-myc and c-fos mRNA levels by polyomavirus: distinct roles for the capsid protein VP1 and the viral early proteins. Zullo J, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1210–4

Nucleotide sequence analysis of cellular flanking regions of intracisternal A-particle gene 81. Lin CP. **Proc Natl Sci Counc Repub China [B]** 1987 Apr; 11(2):107–14

Oncogenes and the pathogenesis of human cancers. Cline MJ. **Ric Clin Lab** 1986 Oct-Dec;16(4):503–7

Differential expression of c-myb mRNA in murine B lymphomas by a block to transcription elongation. Bender TP, et al. **Science** 1987 Sep 18;237(4821):1473–6

The molecular genetics of cancer. Bishop JM. **Science** 1987 Jan 16;235(4786):305–11 (102 ref.)

Unique forms of the abl tyrosine kinase distinguish Ph1-positive CML from Ph1-positive ALL. Clark SS, et al. **Science** 1987 Jan 2;235(4784):85–8

The fos gene as "master switch" [news]Marx JL. **Science** 1987 Aug 21;237(4817):854–6

erg, a human ets-related gene on chromosome 21: alternative splicing, polyadenylation, and translation. Rao VN, et al. **Science** 1987 Aug 7;237(4815):635–9

Activated oncogenes in B6C3F1 mouse liver tumors: implications for risk assessment. Reynolds SH, et al. **Science** 1987 Sep 11;237(4820):1309–16

Participation of c-myc protein in DNA synthesis of human cells. Studzinski GP, et al. **Science** 1986 Oct 24; 234(4775):467–70

Proto-oncogene transcript levels and acute nonlymphocytic leukemia. Preisler HD, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):207–16

Proto-oncogene expression in HL-60 cells exposed to ara-C. Sato H, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 1):192–201

A-raf oncogene localizes on mouse X chromosome to region some 10-17 centimorgans proximal to hypoxanthine phosphoribosyltransferase gene. Avner P, et al. **Somatic Cell Mol Genet** 1987 May;13(3):267–72

Intranuclear androgen receptor deployment and protooncogene expression in human diseased prostate. Phillips ME, et al. **Urol Int** 1987;42(2):115–9

Viral oncogenes, proto-oncogenes and homoeotic genes related to cell proliferation and differentiation. Antohi S, et al. **Virologie** 1987 Jan-Mar;38(1):61–70 (49 ref.)

Simultaneous activation by 5-azacytidine of intracisternal R particles and murine intracisternal-A particle related sequences in Syrian hamster cells. Lesser J, et al. **Virology** 1986 Nov;155(1):249–56

[Preparation and characterization of specific antisera directed against different polypeptide domains encoded by the c-myc oncogene for studying the expression of this gene introduced into quail or rat cells] Ferré F, et al. **C R Acad Sci [III]** 1986;303(15):633–6 (Eng. Abstr.) **(Fre)**

[Study of c-myc expression in the activation of human T cells] Suzuki H, et al. **Arerugi** 1986 Nov;35(11):1113–8 (Eng. Abstr.) **(Jpn)**

[A novel transforming gene from human stomach cancers] Sakamoto H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2147–51 (Eng. Abstr.) **(Jpn)**

[Activated c-raf-1 gene from human stomach cancer] Shimizu K, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2140–6 (Eng. Abstr.) **(Jpn)**

[The erbB-related protooncogenes encoding growth factor receptors] Yamamoto T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2075–82 (Eng. Abstr.) **(Jpn)**

[Transcriptional control of the protooncogenes—human EGF receptor gene and c-Ha-ras 1 gene] Ishii S. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(8):681–92 (37 ref.) **(Jpn)**

[The content of various active and inactive genes in chromatin fractions with different accessibilities of DNA to polycyclic aromatic hydrocarbons] Mironov NM. **Biokhimiia** 1987 Mar;52(3):503–11 (Eng. Abstr.) **(Rus)**

[The rat genome contains an active locus structurally associated with the mos proto-oncogene] Chumakov IM, et al. **Dokl Akad Nauk SSSR** 1986;290(5):1252–4 **(Rus)**

[Expression of proto-oncogenes in human teratocarcinoma cell lines] Mazurenko NN, et al. **Dokl Akad Nauk SSSR** 1986 Sep-Oct;290(1):231–3 **(Rus)**

[Proto-oncogenes in human teratocarcinoma cells] Mazurenko NN, et al. **Dokl Akad Nauk SSSR** 1987; 292(4):986–8 **(Rus)**

[Expression of various cellular oncogenes in rat rhabdomyosarcoma] Novikov LB. **Eksp Onkol** 1987; 9(1):22–4 (Eng. Abstr.) **(Rus)**

[Joint amplification of c-myc and c-Ha-ras oncogenes in human breast and thyroid cancer cells] Pluzhnikova GF, et al. **Eksp Onkol** 1987;9(2):15–7 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the transformation of protooncogenes into oncogenes] Seits IF. **Eksp Onkol** 1986; 8(4):3–11 (50 ref.) (Eng. Abstr.) **(Rus)**

[Amplification of c-myc proto-oncogene in primary tumors, metastases and blood leukocytes of patients with ovarian cancer] Serova OM. **Eksp Onkol** 1987;9(1):25–7 (Eng. Abstr.) **(Rus)**

[Characteristics of genome sequences in mouse spleen cells activated in virus-induced Rauscher leukemia] Smirnova IA, et al. **Eksp Onkol** 1987;9(1):18–22 (Eng. Abstr.) **(Rus)**

[Activation of ras and myc proto-oncogenes in human breast carcinoma and neuroblastoma] Kniazev PG, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1236–43 (Eng. Abstr.) **(Rus)**

[Transfer of active oncogenes and promoters into the mouse cell genome] Tatosian AG, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1226–35 (Eng. Abstr.) **(Rus)**

[Human oncogenes] Barbacid M. **Rev Clin Esp** 1986 Nov; 179(8):412–27 (218 ref.) **(Spa)**

DRUG EFFECTS

Suppression of the EGF-dependent induction of c-myc proto-oncogene expression by transforming growth factor beta in a human breast carcinoma cell line. Fernandez-Pol JA, et al. **Biochem Biophys Res Commun** 1987 May 14; 144(3):1197–205

Effect of actinomycin D on DNA replication and c-myc expression during rat liver regeneration. Horikawa S, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):1049–54

A Mr = 190,000 glycoprotein phosphorylated on tyrosine residues in epidermal growth factor stimulated KB cells is the product of the c-erbB-2 gene. Kadowaki T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):699–704

Effects of teleocidin on the morphology and c-myc expression of hepatoma cells which are not inhibited by protein kinase antagonists. Kaneko Y, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):549–55

Expression of c-fos, c-myb, and c-myc in human monocytes: correlation with monocytic differentiation. Lee J, et al. **Blood** 1987 May;69(5):1542–5

TGF-beta inhibition of endothelial cell proliferation: alteration of EGF binding and EGF-induced growth-regulatory (competence) gene expression. Takehara K, et al. **Cell** 1987 May 8;49(3):415–22

Interleukin-1 stimulates thyroid cell growth and increases the concentration of the c-myc proto-oncogene mRNA in thyroid follicular cells in culture. Mine M, et al. **Endocrinology** 1987 Mar;120(3):1212–4

Bombesin induces c-fos and c-myc expression in quiescent Swiss 3T3 cells. Comparative study with other mitogens. Bravo R, et al. **Exp Cell Res** 1987 May;170(1):103–15

Thyrotropin-releasing hormone increases the levels of c-fos and beta-actin mRNA in GH3/B6 pituitary tumor cells. Weisman AS, et al. **In Vitro Cell Dev Biol** 1987 Aug; 23(8):585–90

Epidermal growth factor increases c-myc mRNA without eliciting phosphoinositide turnover, protein kinase C activation, or calcium ion mobilization in Swiss 3T3 fibroblasts. Tsuda T, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1631–5

Differential induction of transcription of c-myc and c-fos proto-oncogenes by 12-O-tetradecanoylphorbol-13-acetate in mortal and immortal human urothelial cells. Skouv J, et al. **J Cell Biochem** 1987 Jun;34(2):71–9

Regulation of human T-lymphocyte gene expression by interleukin 2: immediate-response genes include the proto-oncogene c-myb. Pauza CD. **Mol Cell Biol** 1987 Jan;7(1):342–8

Transcriptional inactivation of c-myc and the transferrin receptor in dibutyryl cyclic AMP-treated HL-60 cells. Trepel JB, et al. **Mol Cell Biol** 1987 Jul;7(7):2644–8

Effects of 1-beta-D-arabinofuranosylcytosine on proto-oncogene expression in human U-937 cells. Mitchell T, et al. **Mol Pharmacol** 1986 Oct;30(4):398–402

Activation of c-Ha-ras proto-oncogene by in vitro chemical modification with 2-amino-6-methyldipyrido[1,2-a:3',2'-d]imidazole (Glu-P-1) and 4-nitroquinoline N-oxide (4NQO). Hashimoto Y, et al. **Nucleic Acids Symp Ser** 1986;(17):135–8

IL-2 modulation of murine T-cell oncogene expression. Seldin MF, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):186–90

Regulation of bcl-2 proto-oncogene expression during normal human lymphocyte proliferation. Reed JC, et al. **Science** 1987 Jun 5;236(4806):1295–9

Effect of 4-hydroxynonenal on c-myc expression. Barrera G, et al. **Toxicol Pathol** 1987;15(2):238–40

[Stimulation of human lymphocytes by phorbol acetate and a calcium ionophore induces an early transient expression of the c-fos oncogene followed by c-myc] Pompidou A, et al. **C R Acad Sci [III]** 1986;303(11):445–7 (Eng. Abstr.) **(Fre)**

PROTOCATECHUATE-3,4-DIOXYGENASE see under **OXYGENASES**

PROTOCHLOROPHYLLIDE see under **CHLOROPHYLL**

PROTOCOL-DIRECTED THERAPY, COMPUTER-ASSISTED see **THERAPY, COMPUTER-ASSISTED**

PROTOCOLLAGEN see **PROCOLLAGEN**

PROTOCOLLAGEN PROLYL HYDROXYLASE see **PROLINE HYDROXYLASE**

PROTOHEME see **HEME**

PROTONS

Proton-stimulated Cl-HCO3 antiport by basolateral membrane vesicles of lobster hepatopancreas. Ahearn GA, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R859–70

Stereotactic Bragg peak proton beam radiosurgery for cerebral arteriovenous malformations. Kjellberg RN. **Ann Clin Res** 1986;18 Suppl 47:17–9

Proton and bicarbonate transport mechanisms in the intestine. Hopfer U, et al. **Annu Rev Physiol** 1987;49:51–67 (127 ref.)

Role of proton and bicarbonate transport in pancreatic cell function. Kuijpers GA, et al. **Annu Rev Physiol** 1987; 49:87–103

Role of H+ and HCO3- in salt transport in gallbladder epithelium. Reuss L, et al. **Annu Rev Physiol** 1987;49:35–49

Proton transport by hepatocyte organelles and isolated membrane vesicles. Scharschmidt BF, et al. **Annu Rev Physiol** 1987;49:69–85 (88 ref.)

Bile salt-induced injury of rabbit oesophageal mucosa measured by hydrogen ion disappearance. Kiroff GK, et al. **Aust NZ J Surg** 1987 Feb;57(2):111–7

Role of carbohydrates in the viscosity and permeability of gastric mucin to hydrogen ion. Slomiany BL, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):783–90

Transport of fatty acid is obligatory coupled with H+ entry in spheroplasts of Escherichia coli K12. Kameda K, et al. **Biochem Int** 1987 Feb;14(2):227–34

Optimal posttranslational translocation of the precursor of PhoE protein across Escherichia coli membrane vesicles requires both ATP and the protonmotive force. De Vrije T, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):63–72

The proton-pumping site of cytochrome c oxidase: a model of its structure and mechanism. Gelles J, et al. **Biochim Biophys Acta** 1986;853(3-4):205–36 (73 ref.)

Proton/hydroxide conductance through phospholipid bilayer membranes: effects of phytanic acid. Gutknecht J. **Biochim Biophys Acta** 1987 Apr 9;898(2):97–108

Inhibition of (H+ + K+)-ATPase by omeprazole in isolated gastric vesicles requires proton transport. Lorentzon P, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):41–51

The role of protons in the mechanism of galactoside transport via the lactose permease of Escherichia coli. Page MG. **Biochim Biophys Acta** 1987 Feb 12;897(1):112–26

Vanadate inhibition of ATP-dependent H+ transport in membrane vesicles from turtle bladder epithelial cells. Youmans SJ, et al. **Biochim Biophys Acta** 1987 Jun 12; 900(1):88–102

Direct measurement of the initial proton extrusion to oxygen uptake ratio accompanying succinate oxidation by rat liver mitochondria. Setty OH, et al. **Biophys J** 1986 Sep; 50(3):391–404

Effect of ethanol on the glucose-induced movements of protons across the plasma membrane of Saccharomyces cerevisiae NCYC 431. Juroszek JR, et al. **Can J Microbiol** 1987 Feb;33(2):93–7

The pH dependence of the contractile response of fatigued skeletal muscle. Mainwood GW, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):648–58 (31 ref.)

The proton flux through the bacterial flagellar motor. Meister M, et al. **Cell** 1987 Jun 5;49(5):643–50

Intra- and extracellular actions of proton on the calcium current of isolated guinea pig ventricular cells. Irisawa H, et al. **Circ Res** 1986 Sep;59(3):348–55

Characteristics of the redox-linked proton ejection in beef-heart cytochrome c oxidase reconstituted in liposomes. Papa S, et al. **Eur J Biochem** 1987 May 4; 164(3):507–16

Fundamental relationships for the effect of proton dissociation equilibria on enzymic reaction steps. Pettersson G. **Eur J Biochem** 1987 Jul 1;166(1):163–5

Lateral proton conduction at a lipid/water interface. Effect of lipid nature and ionic content of the aqueous phase. Prats M, et al. **Eur J Biochem** 1987 Jan 15;162(2):379–85

The mechanism of the conservation of energy of biological oxidations. Slater EC. **Eur J Biochem** 1987 Aug 3; 166(3):489–504 (130 ref.)

Proton translocation by the H+-ATPase of mitochondria. Effect of modification by monofunctional reagents of thiol residues in F0 polypeptides. Zanotti F, et al. **Eur J Biochem** 1987 May 4;164(3):517–23

A comparison of the restrained molecular dynamics and distance geometry methods for determining three-dimensional structures of proteins on the basis of interproton distances. Clore GM, et al. **FEBS Lett** 1987 Mar 23;213(2):269–77

Counterion collapse and the effect of diamines on bacteriorhodopsin. Marinetti T. **FEBS Lett** 1987 May 25; 216(1):155–8

Control of cytoplasmic pH by Na+/H+ exchange in rat peritoneal macrophages activated with phorbol ester. Rotstein OD, et al. **FEBS Lett** 1987 May 11;215(2):223–7

Energy dependence of the dose equivalent on the primary proton energy—comparison of CASIM and Moyer model calculations. Yamaguchi C. **Health Phys** 1986 Dec; 51(6):812–4

Biological effectiveness of low energy protons. I. Survival of Chinese hamster cells. Perris A, et al. **Int J Radiat Biol** 1986 Dec;50(6):1093–101

Cell type and proton relaxation [letter] Ranade SS. **Invest Radiol** 1987 Apr;22(4):346–7

Flash-induced proton release in Rhodopseudomonas sphaeroides spheroplasts. Arata H, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):261–5

Measurement of proton pump activity of the thermophilic bacterium PS3 and Nitrobacter agilis at the cytochrome oxidase level using total membrane and heptyl thioglucoside. Sone N. **J Biochem (Tokyo)** 1986 Dec; 100(6):1465–70

Interaction of photosystem I-derived protons with the water-splitting enzyme complex. Evidence for localized domains. Theg SM, et al. **J Bioenerg Biomembr** 1987 Feb; 19(1):53–68

Biosynthetic thiolase from zoogloea ramigera. I. Preliminary characterization and analysis of proton transfer reaction. Davis JT, et al. **J Biol Chem** 1987 Jan 5;262(1):82–9

Coupling factor B is a component of the Fo proton channel of mitochondrial H+-ATPase. Huang Y, et al. **J Biol Chem** 1987 Mar 5;262(7):3007–10

Hydride transfer stereospecificity of rat liver aldehyde dehydrogenases. Jones KH, et al. **J Biol Chem** 1987 Aug 15;262(23):10911–3

Inhibition of Na+–H+ exchange by N,N^1-dicyclohexylcarbodiimide in isolated rat renal brush border membrane vesicles. Kinsella JL, et al. **J Biol Chem** 1987 May 25;262(15):7092–7

Axial heterogeneity of intracellular pH in rat proximal convoluted tubule. Pastoriza-Munoz E, et al. **J Clin Invest** 1987 Jul;80(1):207–15

Electrical conductivity, transfer of hydrogen ions in lipid bilayer membranes and uncoupling effect induced by pentachlorobenzenethiol (pentachlorothiophenol). Smejtek P, et al. **J Membr Biol** 1983;76(3):227–34

Dependence of junctional conductance on proton, calcium and magnesium ions in cardiac paired cells of guinea-pig. Noma A, et al. **J Physiol (Lond)** 1987 Jan;382:193–211

Robert F. Pitts memorial lecture. H+ secretion in renal cortical tubules: kinetic aspects. Malnic G. **Kidney Int** 1987 Jul;32(1):136–50 (108 ref.)

Proton beam penumbra: effects of separation between patient and beam modifying devices. Urie MM, et al. **Med Phys** 1986 Sep–Oct;13(5):734–41

Effects of delipidation on proton translocation and ATPase activity in beef heart electron transport particles. Pringle MJ, et al. **Membr Biochem** 1986;6(4):347–63

Molecular neurobiology. A new type of ion-channel block [news] Colquhoun D. **Nature** 1987 Sep 17–23; 329(6136):204–5

A single mode of DNA base-pair opening drives imino proton exchange. Guéron M, et al. **Nature** 1987 Jul 2–8; 328(6125):89–92

Direct measurement of proton transfer rates to a group controlling the dihydropyridine-sensitive Ca2+ channel. Prod'hom B, et al. **Nature** 1987 Sep 17–23;329(6136):243–6

Evidence for a Na+/H+ exchanger at the basolateral membranes of the isolated frog skin epithelium: effect of amiloride analogues. Ehrenfeld J, et al. **Pflugers Arch** 1987 Jun;409(1–2):200–7

Electrophysiological identification of principal and intercalated cells in the rabbit outer medullary collecting duct. Koeppen BM. **Pflugers Arch** 1987 Jun; 409(1–2):138–41

Stopping power and ranges of low-energy protons in tissue-equivalent gas. Waibel E, et al. **Phys Med Biol** 1987 Mar;32(3):365–70

Proton/hydroxide conductance and permeability through phospholipid bilayer membranes. Gutknecht J. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6443–6

[Studies on relative biological effectiveness and therapeutic gain factor of high energy protons modulated for radiotherapy] Satoh S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):714–21 (Eng. Abstr.) **(Jpn)**

[The role of Vavilov-Cherenkov radiation in visual sensations induced by protons] Gramenitskiĭ PV, et al. **Biofizika** 1987 Jan–Feb;32(1):125–7 (Eng. Abstr.) **(Rus)**

[Changes in NMR-relaxation of plasma protons in animals during experimental carcinogenesis] Kulevatskiĭ DP, et al. **Biofizika** 1986 Jul–Aug;31(4):676–80 (Eng. Abstr.) **(Rus)**

[Effect of indoleacetic acid on the proton conductivity of biological membranes] Neminushchiĭ VG, et al. **Biofizika** 1987 Mar–Apr;32(2):352–4 (Eng. Abstr.) **(Rus)**

[Working Conference on Problems of Proton Therapy. Leningrad, October 14–18, 1986. Proceedings] **Med Radiol (Mosk)** 1987 Aug;32(8):1–94 **(Rus)**

[The medical proton complex] Abrosimov IK, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):10–6 **(Rus)**

[Development of a 2-unit medical complex for proton therapy] Abrosimov NK, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):26–9 **(Rus)**

[Method of rotation-scanning proton irradiation of esophageal cancer and outlook for its application to the irradiation of tumors at other sites] Astrakhan BV. **Med Radiol (Mosk)** 1987 Aug;32(8):85–7 **(Rus)**

[Fractionated proton radiotherapy] Austin-Seymour M, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):88–94 (23 ref.) (Eng. Abstr.) **(Rus)**

[Experience in the treatment of eye tumors using a narrow medical proton beam] Brovkina AF, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):61–6 (Eng. Abstr.) **(Rus)**

[3-unit complex for proton therapy] Chuvilo IV, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):30–6 (Eng. Abstr.) **(Rus)**

[6-unit clinico-physical complex] Dzhelepov VP, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):81–4 (Eng. Abstr.) **(Rus)**

[Spiral comb filter] Khoroshkov VS, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):76–80 (Eng. Abstr.) **(Rus)**

[Topographic and dosimetric considerations in different methods of proton irradiation] Khoroshkov VS, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):70–6 (Eng. Abstr.) **(Rus)**

[Proton irradiation of spontaneous arterio-sinus anastomoses in the cavernous sinus region] Krymskiĭ VA, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):57–61 (Eng. Abstr.) **(Rus)**

[Proton stereotaxic therapy of cerebral arteriovenous aneurysms] Lobaev IA, et al. **Med Radiol (Mosk)** 1987 Aug; 32(8):22–6 (Eng. Abstr.) **(Rus)**

[Effect of proton irradiation of Tolosa-Hunt syndrome] Luchin EI, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):55–7 (Eng. Abstr.) **(Rus)**

[Initial experience with the use of the proton beam at the Institute of Theoretical and Experimental Physics to treat prostatic cancer] Makarova GV, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):66–70 (Eng. Abstr.) **(Rus)**

[Results of treatment of Itsenko-Cushing disease using proton irradiation of the hypophysis] Marova EI, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):42–9 (Eng. Abstr.) **(Rus)**

[Proton therapy in clinical neurosurgery] Minakova EI, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):36–42 (Eng. Abstr.) **(Rus)**

[Proton irradiation of the hypophysis and gamma therapy of multiple bone metastases in the complex treatment of breast cancer] Monzul' GD, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):49–55 (Eng. Abstr.) **(Rus)**

[Proton therapy: clinico-methodological aspects, treatment results] Zherbin EA, et al. **Med Radiol (Mosk)** 1987 Aug; 32(8):17–22 (Eng. Abstr.) **(Rus)**

[Quantum chemistry analysis of the mechanism of action of proteolytic enzymes. III. Proton transport in serine proteases] Aleksandrov SL, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):147–58 (Eng. Abstr.) **(Rus)**

[Irreversible changes in phage DNA after its protonation in solution and inside the virion detected by the transfection method] Sukhorukov BI, et al. **Mol Gen Mikrobiol Virusol** 1986 Nov;(11):14–8 (Eng. Abstr.) **(Rus)**

[Effect of secondary radiation from 70-GeV protons and gamma quanta on chromosomes of Chinese hamster cells as dependent on the cell cycle stage] Antipov AV, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):278–9 (Eng. Abstr.) **(Rus)**

[Biological effectiveness of helium ions and relativistic-energy protons] Fedorenko BS, et al. **Radiobiologiia** 1987 May–Jun;27(3):339–43 (Eng. Abstr.) **(Rus)**

PROTOPLASTS

Intergeneric protoplast fusion between Fusobacterium varium and Enterococcus faecium for enhancing dehydrodivanillin degradation. Chen W, et al. **Appl Environ Microbiol** 1987 Mar;53(3):542–8

Efficient plasmid transformation of the beta-lactam producer Streptomyces clavuligerus. Garcia-Dominguez M, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1376–81

An improved method for protoplast formation and its application in the fusion of Rhodotorula rubra with Saccharomyces cerevisiae. Evans CT, et al. **Arch Microbiol** 1987 Jun;148(1):77–82

[Production and regeneration of yeast protoplasts: a review] Popov BK, et al. **Zentralbl Mikrobiol** 1986;141(3):217–24 (37 ref.) (Eng. Abstr.) **(Ger)**

[Gene transfer using fusion of isolated cell nuclei with protoplasts of the yeast Saccharomyces cerevisiae] Becher D, et al. **Mol Gen Mikrobiol Virusol** 1985 Feb;(2):33–5 (Eng. Abstr.) **(Rus)**

[Protoplast fusion in Bacillus cereus] Kovtunenko LV, et al. **Mol Gen Mikrobiol Virusol** 1985 Dec;(12):25–30 (Eng. Abstr.) **(Rus)**

ANALYSIS

Factors governing the flow cytometric analysis and sorting of large biological particles. Harkins KR, et al. **Cytometry** 1987 Jan;8(1):60–70

METABOLISM

A method for generating protoplasts from Clitopilus pinsitus. Stewart KR. **J Antibiot (Tokyo)** 1986 Oct;39(10):1486–7

Selectivity to K+ and Na+ of protoplast fractions isolated from different regions of Aspergillus nidulans hyphae. Isaac S, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1173–9

PHYSIOLOGY

Protoplast formation and regeneration of dehydrodivanillin-degrading strains of Fusobacterium varium and Enterococcus faecium. Chen W, et al. **Appl Environ Microbiol** 1986 Oct;52(4):612–6

Effect of the composition of reversion medium on change of Staphylococcus aureus lysostaphin protoplasts to coccal forms and L-forms. Kato Y, et al. **Biken J** 1986 Jun; 29(2):39–44

Intracellular pH topography of Penicillium cyclopium protoplasts. Maintenance of delta pH by both passive and active mechanisms. Roos W, et al. **Biochim Biophys Acta** 1987 May 12;899(1):67–75

Selective regeneration of Bacillus subtilis protoplasts transformed to kanamycin resistance. Jandová Z, et al. **Folia Microbiol (Praha)** 1987;32(1):82–4

Involvement of the cell envelope in plasmid maintenance: plasmid curing during the regeneration of protoplasts. Novick R, et al. **Plasmid** 1980 May;3(3):348–58

[Isolation and regeneration of the protoplasts of the streptomycete producers of actinomycins C and X] Orlova TI, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):663–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Changes in the plasma membrane of regenerating protoplasts of Candida albicans as revealed by freeze-fracture electron microscopy. Miragall F, et al. **J Gen Microbiol** 1986 Oct; 132 (Pt 10):2845–53

Crystalline inclusion of Lactobacillus plantarum protoplast. Tomochika K, et al. **Microbiol Immunol** 1986;30(9):909–13

[Use of a method of fusing actinomycete protoplasts for obtaining recombinant strains that form new antibiotics] Dudnik IuV, et al. **Antibiot Med Biotekhnol** 1987 Feb; 32(2):86–9 (46 ref.) **(Rus)**

[Fusion of Streptococcus lactis protoplasts] Stoianova LG, et al. **Antibiot Med Biotekhnol** 1987 Feb;32(2):89–97 (60 ref.) **(Rus)**

PROTOPORPHYRINS see under **PORPHYRINS**

PROTOTHECA

Cutaneous protothecosis. A clinicopathologic study. Kuo TT, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):737–40

Protothecal olecranon bursitis: treatment with intrabursal amphotericin B. Cochran RK, et al. **Rev Infect Dis** 1986 Nov–Dec;8(6):952–4

ISOLATION & PURIFICATION

Prototheca zopfii isolated from a patient with olecranon bursitis. Naryshkin S, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):171–4

PROTOVERATRINES see under **VERATRUM ALKALOIDS**

PROTOZOA

Cryopreservation of parasitic protozoa. Bos HJ, et al. **Acta Leiden** 1978;46:17–30

[2d meeting of the Brazilian Society of Protozoology. Caxambu, Minas Gerais, Brazil, 9–10 November 1986. Abstracts] **Mem Inst Oswaldo Cruz** 1986 Nov;81 Suppl:17–37 **(Por)**

ANALYSIS

An H1-like protein from the macronucleus of Euplotes eurystomus. Herrmann AL, et al. **Eur J Cell Biol** 1987 Feb; 43(1):155–62

Very-long-chain fatty acids from lower organism. Rezanka T, et al. **Folia Microbiol (Praha)** 1987;32(2):149–76 (101 ref.)

CLASSIFICATION

The 200th anniversary of "O.F.M., 1786": a tribute to the first comprehensive taxonomic treatment of the protozoa. **J Protozool** 1986 Nov;33(4):475–8

[A new intracellular protozoon of Salmo gairdneri Richardson, 1836 (teleost fish). Taxonomic affinities] van de Moer A, et al. **C R Acad Sci [III]** 1987;304(4):93–6 (Eng. Abstr.) **(Fre)**

[New species of myxosporidians in the genus Myxobolus (Myxosporidia, Myxobolidae) from cyprinid fishes of the Amur River] Iukhimenko SS. **Parazitologiia** 1986 Sep–Oct; 20(5):416–21 (Eng. Abstr.) **(Rus)**

CYTOLOGY

In vitro DNA synthesis in the macronuclear replication band of Euplotes eurystomus. Olins DE, et al. **J Cell Biol** 1987 May;104(5):1125–32

DRUG EFFECTS

Taxol affects both the microtubular arrays of heliozoan axonemes and their microtubule-organizing center. Hauser M. **Eur J Cell Biol** 1986 Dec;42(2):295–304

Effect of lasalocid, monensin and thiopeptin on rumen protozoa. Dennis SM, et al. **Res Vet Sci** 1986 Sep; 41(2):251–6

GENETICS

Protistan phylogeny and eukaryogenesis. Corliss JO. **Int Rev Cytol** 1987;100:319–70 (463 ref.)

Nucleotide sequences of Cyanophora paradoxa cellular and cyanelle-associated 5S ribosomal RNAs: the cyanelle as a potential intermediate in plastid evolution. Maxwell ES, et al. **J Mol Evol** 1986;23(4):300–4

Ribosomal RNA sequence suggests microsporidia are extremely ancient eukaryotes. Vossbrinck CR, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):411–4

Subfractionation of soluble macronuclear chromatin and enrichment of specific genes as chromatin from Euplotes eurystomus. Cadilla CL, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8501–12

GROWTH & DEVELOPMENT

Influence of light and natural microbiota of the Butrón river on E. coli survival. Barcina I, et al. **Antonie Van Leeuwenhoek** 1986;52(6):555–66

Developmental processes in parasitic protozoa. Mehlhorn H, et al. **Int J Parasitol** 1987 Feb;17(1):259–67 (6 ref.)

Protein and fiber digestion, passage, and utilization in lactating cows. Microbial growth and flow as influenced by dietary manipulation. Sniffen CJ, et al. **J Dairy Sci** 1987 Feb;70(2):425–41 (99 ref.)

Development of Theileria sergenti in the ovary and eggs of the tick, Haemaphysalis longicornis. Higuchi S. **Kitasato Arch Exp Med** 1985 Dec;58(4):117–25

[Interrelations between intestinal protozoa and yeasts of mice] Magaró HM, et al. **Bol Chil Parasitol** 1985 Jan–Jun; 40(1–2):7–13 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Production and preliminary characterization of murine monoclonal antibodies to Ichthyophthirius multifiliis, a protozoan parasite of fish. Dickerson HW, et al. **Am J Vet Res** 1986 Nov;47(11):2400–4

ISOLATION & PURIFICATION

The detection of enteropathogens in acute diarrhea in a family cohort population in rural Egypt. Zaki AM, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1013–22

Two-year survey of etiologic agents of diarrheal disease at San Lazaro Hospital, Manila, Republic of the Philippines. Adkins HJ, et al. **J Clin Microbiol** 1987 Jul;25(7):1143–7

Isolation and immunoelectromicroscopical characterization of Theileria annulata macroschizonts. Frevert U, et al. **Z Parasitenkd** 1986;72(5):617–30

[Discovery of a protist parasite, apparently akin to Acrasiae, in the genital tract and various organs of primates] Chauvier G, et al. **Ann Parasitol Hum Comp** 1986; 61(4):401–10 (Eng. Abstr.) **(Fre)**

[Qualitative and quantitative changes in microscopic organisms in the water from the Central Water Reservoir in Warsaw] Ranke-Rybicka B, et al. **Rocz Panstw Zakl Hig** 1986;37(3):249–56 (Eng. Abstr.) **(Pol)**

METABOLISM

Microbial protein and peptide metabolism in rumen fluid from faunated and ciliate-free sheep. Wallace RJ, et al. **Br J Nutr** 1987 Jul;58(1):87–93

Do protozoa conceal a high potency of nucleoside triphosphate hydrolysis present in Toxoplasma gondii? Asai T, et al. **Comp Biochem Physiol [B]** 1986;85(2):365–7

Intermediary metabolism in parasitic protozoa. Coombs GH. **Int J Parasitol** 1987 Feb;17(1):97–104 (47 ref.)

PHYSIOLOGY

The role of rumen protozoa in the utilization of paspalum (Paspalum dilatatum) hay by cattle. Punia BS, et al. **Br J Nutr** 1987 May;57(3):395–406

Naturally occurring tubulin-containing paracrystals in Allogromia: immunocytochemical identification and functional significance. Rupp G, et al. **Cell Motil Cytoskeleton** 1986;6(4):363–75

Interaction between parasite and vector. Friedhoff KT. **Int J Parasitol** 1987 Feb;17(2):587–95 (50 ref.)

Parasites as indicators of host populations. MacKenzie K. **Int J Parasitol** 1987 Feb;17(2):345–52 (65 ref.)

Solving parasite-related problems in cultured crustacea. Overstreet RM. **Int J Parasitol** 1987 Feb;17(2):309–18 (40 ref.)

Effects of parasites on fish populations: practical considerations. Sindermann CJ. **Int J Parasitol** 1987 Feb; 17(2):371–82 (81 ref.)

Protozoological approaches to the cellular basis of mammalian stress repair. Hutner SH, et al. **Int Rev Cytol** 1987;100:371–425 (273 ref.)

Relative contributions of ruminal bacteria and protozoa to the degradation of protein in vitro. Hino T, et al. **J Anim Sci** 1987 Jan;64(1):261–70

Protozoan physiology. Why are cows not green? [news] Lewin RA. **Nature** 1987 Apr 23–29;326(6115):743–4

Gastrointestinal mucus, a medium for survival and for elimination of parasitic nematodes and protozoa. Miller HR. **Parasitology** 1987;94 Suppl:S77–100 (107 ref.)

ULTRASTRUCTURE

Ultrastructural studies on the plasmodium of Myxidium giardi (Myxosporea) and its attachment to the epithelium of the urinary bladder. Paperna I, et al. **Int J Parasitol** 1987 Feb; 17(3):813–9

Different structural states of a microtubule cross-linking molecule, captured by quick-freezing motile axostyles in protozoa. Heuser JE. **J Cell Biol** 1986 Dec;103(6 Pt 1):2209–27

Ultrastructure of a microsporidian hyperparasite, Unikaryon legeri (Microsporida), of trematode larvae. Azevedo C, et al. **J Parasitol** 1987 Feb;73(1):214–23

The ultrastructure of spores (Protozoa: Microsporida) from Lophius americanus, the angler fish. Takvorian PM, et al. **J Protozool** 1986 Nov;33(4):570–5

Eukaryotes with no mitochondria [news] Cavalier-Smith T. **Nature** 1987 Mar 26–Apr 1;326(6111):332–3

PROTOZOAN ANTIGENS see ANTIGENS, PROTOZOAN

PROTOZOAN INFECTIONS

Diarrhea due to Blastocystis hominis: an old organism revisited. Diaczok BJ, et al. **South Med J** 1987 Jul; 80(7):931–2

[2d meeting of the Brazilian Society of Protozoology. Caxambu, Minas Gerais, Brazil, 9–10 November 1986. Abstracts] **Mem Inst Oswaldo Cruz** 1986 Nov;81 Suppl:17–37 **(Por)**

COMPLICATIONS

Blastocystis hominis and human disease [letter] Pikula ZP. **J Clin Microbiol** 1987 Aug;25(8):1581

Pneumocystis carinii choroiditis in a male homosexual with AIDS and disseminated pulmonary and extrapulmonary P. carinii infection [letter] Macher AM, et al. **N Engl J Med** 1987 Apr 23;316(17):1092

Disseminated Pneumocystis carinii infection in AIDS [letter] Pilon VA, et al. **N Engl J Med** 1987 May 28;316(22):1410–1

Haemorrhagic phenomena in tropical diseases. Metz J. **S Afr Med J** 1986 Oct 11;Suppl:32–5 (30 ref.)

[AIDS and intestinal opportunistic protozoan infections] Xue CL. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):288–9 (14 ref.) **(Chi)**

DIAGNOSIS

An enzyme-linked immunosorbent assay (ELISA) for detection of antibodies to Encephalitozoon cuniculi and its use in determination of infections in man. Hollister WS, et al. **Parasitology** 1987 Apr;94 (Pt 2):209–19

[A case from practice (66). Patient: E.K., born Oct. 10, 1948, housewife (Blastocystis hominis infection)] Binz P. **Schweiz Rundsch Med Prax** 1986 Nov 4;75(45):1367–8 **(Ger)**

[Laboratory diagnosis of protozoan infections (letter)] Markwalder K. **Schweiz Rundsch Med Prax** 1986 Sep 9; 75(37):1093 **(Ger)**

DRUG THERAPY

Drugs for protozoan infections. Lefrock JL, et al. **Am Fam Physician** 1987 Mar;35(3):247–51

New anti-protozoal agents. Gutteridge WE. **Int J Parasitol** 1987 Feb;17(1):121–9 (32 ref.)

ETIOLOGY

Cutaneous pneumocystosis. Coulman CU, et al. **Ann Intern Med** 1987 Mar;106(3):396–8

Otic infection due to Pneumocystis carinii in an apparently healthy man with antibody to the human immunodeficiency virus. Schinella RA, et al. **Ann Intern Med** 1987 Mar; 106(3):399–400

Microsporidan hepatitis in the acquired immunodeficiency syndrome. Terada S, et al. **Ann Intern Med** 1987 Jul; 107(1):61–2

Disseminated Pneumocystis carinii infection in a patient with acquired immunodeficiency syndrome. Grimes MM, et al. **Hum Pathol** 1987 Mar;18(3):307–8

IMMUNOLOGY

Humoral antibody response of rabbits to experimental infection with Encephalitozoon cuniculi. Kunstýř I, et al. **Vet Parasitol** 1986 Oct;21(4):223–32

OCCURRENCE

Entamoeba polecki and other intestinal protozoa in Papua New Guinea Highland children. Desowitz RS, et al. **Ann Trop Med Parasitol** 1986 Aug;80(4):399–402

Examinations of digestive system parasitoses in people back from the tropics and subtropics. Zwierz C. **Bull Inst Marit Trop Med Gdynia** 1985;36(1–4):69–75

Gastroenteritis etiology in a university hospital during 1983. Prats G, et al. **Eur J Epidemiol** 1986 Jun;2(2):118–23

Recent advances in human protozoan parasites of the gastrointestinal tract. Cross JH. **Int J Parasitol** 1987 Feb; 17(1):151–8 (53 ref.)

Intestinal helminthiasis and haemoparasitism in an area of endemic dracunculiasis in Oyo State of Nigeria. Adeyeba OA. **Int J Zoonoses** 1986 Mar;13(1):6–10

Prevalence of enteric parasites in homosexual patients attending an outpatient clinic. Peters CS, et al. **J Clin Microbiol** 1986 Oct;24(4):684–5

Parasitic infections in asymptomatic homosexual men: cost-effective screening. Levinson W, et al. **J Gen Intern Med** 1986 May–Jun;1(3):150–4

Prevalence of intestinal parasitic infestation in rural area. Hegde GR, et al. **J Postgrad Med** 1986 Oct;32(4):225–8

Ten year study of stool samples with particular reference to intestinal parasites. Patel JC. **J Postgrad Med** 1986 Oct; 32(4):219–24

[Intestinal parasitic diseases of school children in the Republic of Niger] Develoux M, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):571–5 (Eng. Abstr.) **(Fre)**

[Prevalence of Blastocystis hominis in refugees (letter)] Conen D, et al. **Dtsch Med Wochenschr** 1987 Sep 18; 112(38):1477 **(Ger)**

[Epidemiological study of intestinal protozoiasis and helminthiasis in 490 chronic patients of the Psychiatric Hospital of Putaendo. V Region, Chile, 1985] Cornejo J, et al. **Bol Chil Parasitol** 1985 Jul–Dec;40(3–4):91–3 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Association of Blastocystis hominis with signs and symptoms of human disease. Sheehan DJ, et al. **J Clin Microbiol** 1986 Oct;24(4):548–50

Cultivation of Besnoitia besnoiti and evaluation of susceptibility of laboratory animals to cultured parasites. Shkap V, et al. **Vet Parasitol** 1987 Feb;23(3–4):169–78

PATHOLOGY

Histopathologic evaluation following chronic implantation of chromium and steel based metal alloys in the rabbit central nervous system. Rauch HC, et al. **J Biomed Mater Res** 1986 Nov–Dec;20(9):1277–93

TRANSMISSION

Transovular transmission of Theileria sergenti in the tick, Haemaphysalis longicornis. Higuchi S. **Kitasato Arch Exp Med** 1986 Sep;59(3):73–8

VETERINARY

Brain and spinal cord lesions in encephalitozoonosis in blue foxes. Transmission and scanning electron microscopic studies. Bjerkås I. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):269–79

Ascorbic acid induced immune-mediated decrease in mortality in Ichthyophthirius multifiliis infected rainbow-trout (Salmo gairdneri). Wahli T, et al. **Acta Trop (Basel)** 1986 Sep;43(3):287–9

Biology and histopathology of Thelohanellus hovorkai Achmerov, 1960 (Myxosporea, Myxozoa), a protozoan parasite of the common carp (Cyprinus carpio). Molnár K, et al. **Acta Vet Hung** 1986;34(1–2):67–72

Study of the postulated identity of Hoferellus cyprini (Doflein, 1898) and Mitraspora cyprini Fujita, 1912. Molnár K, et al. **Acta Vet Hung** 1986;34(3–4):175–81

Enigmatic cyst-forming sporozoon in the spinal cord of a dog. Hilali M, et al. **Acta Vet Scand** 1986;27(4):623–5

Characterization of Tritrichomonas foetus antigens, using bovine antiserum. Hall MR, et al. **Am J Vet Res** 1986 Dec; 47(12):2549–53

Immunoglobulin levels of the winter flounder (Pseudopleuronectes americanus) and the summer flounder (Paralichthys dentatus) injected with the microsporidan parasite Glugea stephani. Laudan R, et al. **Dev Comp Immunol** 1986 Summer;10(3):331–40

Interactions in protozoan infections. Cox FE. **Int J Parasitol** 1987 Feb;17(2):569–75

Comparative epidemiology of coccidia: clues to the etiology of equine protozoal myeloencephalitis. Fayer R, et al. **Int J Parasitol** 1987 Feb;17(2):615–20 (24 ref.)

Ultrastructural studies on the plasmodium of Myxidium giardi (Myxosporea) and its attachment to the epithelium of the urinary bladder. Paperna I, et al. **Int J Parasitol** 1987 Feb; 17(3):813–9

Control of non-vector-borne protozoa. Rommel M. **Int J Parasitol** 1987 Feb;17(2):639–47 (95 ref.)

Monoclonal antibody technology in the development of vaccines for livestock parasites. Gamble HR. **J Anim Sci** 1987 Jan;64(1):328–36 (62 ref.)

Chemical control of some protozoan ectoparasites on young stages of the grass carp, Ctenopharyngodon idella val. Ramadan NF, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):629–44

Protozoal infections in rodents in Sharkiya Governorate. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):275–9

Effects of cortisol implants on the PKX myxosporean causing proliferative kidney disease in rainbow trout, Salmo gairdneri. Kent ML, et al. **J Parasitol** 1987 Jun;73(3):455–61

A coprological survey of parasites of wild neotropical felidae. Patton S, et al. **J Parasitol** 1986 Aug;72(4):517–20

Highlights in recent research on tick-borne diseases of domestic animals. Uilenberg G. **J Parasitol** 1986 Aug; 72(4):485–91 (56 ref.)

Observations on the pathology of experimental encephalitozoonosis in dogs. Botha WS, et al. **J S Afr Vet Assoc** 1986 Mar;57(1):17–24

Evaluation of kidney function in dogs suffering from canine encephalitozoonosis by standard clinical pathological and radiopharmaceutical techniques. Botha WS, et al. **J S Afr Vet Assoc** 1986 Jun;57(2):79–86

Myopathy associated with megaloschizonts of Haemoproteus meleagridis in a wild turkey from Florida. Atkinson CT, et al. **J Wildl Dis** 1987 Jul;23(3):495–8

Evidence of a limited schizogonous cycle for Cytauxzoon felis in bobcats following exposure to infected ticks. Blouin EF, et al. **J Wildl Dis** 1987 Jul;23(3):499–501

Detection of serum antibody to Leucocytozoon caulleryi in naturally infected chickens by enzyme-linked immunosorbent assay. Isobe T, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):165–7

Long-term antibody response to Leucocytozoon caulleryi in experimentally infected chickens. Isobe T, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):357–9

Immunoglobulin M and G immune response to Leucocytozoon caulleryi in chickens. Isobe T, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):333–9

Histopathology of hepatocystosis in cynomolgus monkeys (Macaca fascicularis) imported from Southeast Asia.

Nakazawa M, et al. **Nippon Juigaku Zasshi** 1987 Apr; 49(2):295–301

Isolation of Hammondia hammondi in Japan. Shimura K, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):901–8

Acquired resistance of black mollies Poecilia latipinna to infection by Ichthyophthirius multifiliis. McCallum HI. **Parasitology** 1986 Oct;93 (Pt 2):251–61

Seasonal and age distributions of Babesia, Hepatozoon, Trypanosoma and Grahamella species in Clethrionomys glareolus and Apodemus sylvaticus populations. Turner CM. **Parasitology** 1986 Oct;93 (Pt 2):279–89

Dispersal of the parasitic ciliate Lambornella clarki: implications for ciliates in the biological control of mosquitoes. Egerter DE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7335–9

Patterns of infection with Buxtonella sulcata in British cattle. Fox MT, et al. **Res Vet Sci** 1986 Jul;41(1):90–2

The seasonal antibody response in juvenile summer flounder (Paralichthys dentatus) to the hemoflagellate Trypanoplasma bullocki. Burreson EM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):395–402

Immunosuppression of carp (Cyprinus carpio L.) to ichthyophthiriasis using the corticosteroid triamcinolone acetonide. Houghton G, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):413–9

The immune response during proliferative kidney disease in rainbow trout: a case history. Klontz GW, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):387–93

The immune response of a marine teleost, Pseudopleuronectes americanus, (winter flounder) to the protozoan parasite Glugea stephani. Laudan R, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):403–12

Experimental encephalitozoonosis in neonatal dogs. Szabo JR, et al. **Vet Pathol** 1987 Mar;24(2):99–108

Economic importance of proliferative kidney disease of salmonid fish in England and Wales. Clifton-Hadley RS, et al. **Vet Rec** 1986 Sep 20;119(12):305–6

Parasitic laryngeal papillomatosis in a horse. Lane JG, et al. **Vet Rec** 1986 Dec 13;119(24):591–3

Equine protozoal myeloencephalitis in southern Brazil [letter] Lombardo de Barros CS, et al. **Vet Rec** 1986 Sep 13; 119(11):283–4

[Discovery of a protist parasite, apparently akin to Acrasiae, in the genital tract and various organs of primates] Chauvier G, et al. **Ann Parasitol Hum Comp** 1986; 61(4):401–10 (Eng. Abstr.) **(Fre)**

[Leucocytozoon infections in parakeets] Spillmann SK, et al. **Schweiz Arch Tierheilkd** 1987 Apr;129(4):215–9 (Eng. Abstr.) **(Ger)**

[Occurrence and significance of Ichthyophthirius multifiliis in Switzerland] Wahli T, et al. **Schweiz Arch Tierheilkd** 1987 Apr;129(4):205–13 (Eng. Abstr.) **(Ger)**

PROTRIPTYLINE see under **DIBENZOCYCLOHEPTENES**

PROVENTRICULUS

DRUG EFFECTS

Effect of gizzerosine on acid secretion by isolated mucosal cells of chicken proventriculus. Hino T, et al. **Poult Sci** 1987 Mar;66(3):548–51

Ability of cimetidine to increase intestinal pH of chicks. Ward NE, et al. **Poult Sci** 1987 May;66(5):910–2

GROWTH & DEVELOPMENT

Ontogeny of the endocrine cells in the quail proventriculus. Yamaguchi S, et al. **Z Mikrosk Anat Forsch** 1986; 100(6):981–9

PARASITOLOGY

In vitro hatching of the infective eggs of Ascaridia galli in tissue extracts. Salih NE, et al. **Vet Parasitol** 1987 May; 24(3–4):263–8

PROVERBS see **APHORISMS AND PROVERBS**

PROVIDENCIA see under **PROTEUS**

PROVOCATION TESTS, BRONCHIAL see **BRONCHIAL PROVOCATION TESTS**

PROVOCATION TESTS, NASAL see **NASAL PROVOCATION TESTS**

PROXEMICS see under **SPATIAL BEHAVIOR**

PROXIMAL RENAL TUBULAR DYSFUNCTION see **FANCONI SYNDROME**

PROZAMINE see **PROMETHAZINE**

PRUNE BELLY SYNDROME

COMPLICATIONS

Prune belly syndrome and retroperitoneal germ cell tumor. Sayre R, et al. **Am J Med** 1986 Nov;81(5):895–7

Prune belly anomaly in Down syndrome [letter] Baird PA, et al. **Am J Med Genet** 1987 Mar;26(3):747–8

Atypical manifestation of prune belly syndrome. Bai NS, et al. **Indian J Pediatr** 1987 Jan–Feb;54(1):119–24

Congenital cystic adenomatoid malformation of the lung associated with prune belly syndrome. Kuruvilla AC, et al. **J Pediatr Surg** 1987 Apr;22(4):370–1

Prune belly syndrome associated with exomphalos and anorectal agenesis. Walker J, et al. **J Pediatr Surg** 1987 Mar;22(3):215–7

[Prune-belly syndrome: experiences with 9 patients] Smeitink J, et al. **Ned Tijdschr Geneeskd** 1987 Mar 21;131(12):489–93 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

[Abortive form of the Obrinsky syndrome in a 5-month-old boy] Pawlaczyk B, et al. **Wiad Lek** 1987 Apr 1;40(7):476–8 (Eng. Abstr.) **(Pol)**

[Prenatal echographic diagnosis of prune belly syndrome] Guzmán E, et al. **Rev Chil Obstet Ginecol** 1985;50(2):107–12 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[Prune belly syndrome. Study of the effects of abdominal distension on the parietal myogenesis] Gasser B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):443–9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Prune belly in trisomy 13. McKeown CM, et al. **Prenat Diagn** 1986 Sep-Oct;6(5):379–81

[Fetofetal transfusion syndrome in twin pregnancy with prune belly syndrome] Grischke EM, et al. **Z Geburtshilfe Perinatol** 1987 Jan–Feb;191(1):40–2 (Eng. Abstr.) **(Ger)**

[Prune belly syndrome with associated anomalies and chromosome changes (20 p+)] Picardo López C, et al. **An Esp Pediatr** 1987 Apr;26(4):291–4 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Obstructive lesions of the lower urinary tract in the prune belly syndrome. Hoagland MH, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):154–6

Gastrointestinal malformations associated with prune belly syndrome: three cases and a review of the literature. Wright JR Jr, et al. **Pediatr Pathol** 1986;5(3–4):421–48 (81 ref.)

[Triad syndrome in the neonatal period: an anatomoclinical study of 11 cases] Vélez A, et al. **An Esp Pediatr** 1986 Nov;25(5):345–51 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Prune belly syndrome: 35 years of experience. Burbige KA, et al. **J Urol** 1987 Jan;137(1):86–90

RADIONUCLIDE IMAGING

99mTc DTPA scanning with diuretic washout. Is it useful in the investigation of obstruction in the presence of gross renal tract dilatation? Hunter GJ, et al. **Br J Urol** 1987 Mar;59(3):208–10

"Negative" renal outline in prune belly syndrome. Karimeddini MK, et al. **Clin Nucl Med** 1986 Feb;11(2):129

SURGERY

[Prune belly syndrome. Apropos of 12 cases] Mosbah A, et al. **Tunis Med** 1986 Nov;64(11):913–7 (Eng. Abstr.) **(Fre)**

THERAPY

Anaesthesia in the prune-belly syndrome. A review of 36 cases. Henderson AM, et al. **Anaesthesia** 1987 Jan; 42(1):54–60

PRURIGO

CHEMICALLY INDUCED

Prurigo pigmentosa. A persistent lichenoid reaction to bismuth? Dijkstra JW, et al. **Int J Dermatol** 1987 Jul–Aug; 26(6):379–81

COMPLICATIONS

Prurigo gravidarum. Noguera X, et al. **Cutis** 1987 May; 39(5):437–40

FAMILIAL & GENETIC

[The prurigo–rhinitis–asthma syndrome in monozygotic twins] Romański B. **Pol Tyg Lek** 1987 Jan 19–26; 42(3–4):99–100 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Pruritus sine materia and prurigo. II. Prurigo] Conte A, et al. **G Ital Dermatol Venereol** 1986 Nov-Dec;121(6):383–8 (Eng. Abstr.) **(Ita)**

THERAPY

[Prurigo syndrome: proposal for desensitizing therapy with biofeedback] Malvano L, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):325–7 (Eng. Abstr.) **(Ita)**

PRURITUS

Facial involvement in pruritic urticarial papules and plaques of pregnancy [letter] Carruthers A. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):302

Pruritus: a new look at an old problem. Rubenstein R. **J Fam Pract** 1987 Jun;24(6):625–9

CHEMICALLY INDUCED

Dobutamine and pruritus of the scalp [letter] McCauley CS, et al. **Ann Intern Med** 1986 Dec;105(6):966

Chloroquine-induced pruritus in Nigerian medical and nursing students. Harries AD, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):479–82

The effect of epinephrine in local anaesthetic on epidural morphine-induced pruritus. Douglas MJ, et al. **Can Anaesth Soc J** 1986 Nov;33(6):737–40

[Pruritus, exanthema, icterus and fever (clinical conference)] Groth H, et al. **Schweiz Rundsch Med Prax** 1987 May 12; 76(20):570–4 (Eng. Abstr.) **(Ger)**

[Telangiectasias, heavy sweating and diffuse itching of the skin in potroom workers working with the eletrolytic extraction of aluminum] Balić J, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):337–45 (Eng. Abstr.) **(Ser)**

COMPLICATIONS

Pruritus as a presenting sign of acquired immunodeficiency syndrome. Shapiro RS, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 2):1115–7

Forearm neuropathy and pruritus. Massey EW, et al. **South Med J** 1986 Oct;79(10):1259–60

DIAGNOSIS

Facial involvement in pruritic urticarial papules and plaques of pregnancy [letter] Alcalay J, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1048

DRUG THERAPY

Effect of aspirin on pruritus. Daly BM, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):907

Effect of aspirin on pruritus [letter] Thorne J, et al. **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1502

Comparison of H1-antihistamines for pruritus in end-stage renal disease [letter] Nykamp D. **Drug Intell Clin Pharm** 1986 Oct;20(10):806–7

Turmeric and curcumin as topical agents in cancer therapy. Kuttan R, et al. **Tumori** 1987 Feb 28;73(1):29–31

[Pruritus: physiopathology. Therapeutic attempts] Lorette G. **Ann Dermatol Venereol** 1986;113(12):1251–8 (71 ref.) **(Fre)**

[Pruritus in chronic uremic patients in periodic hemodialysis. Treatment with terfenadine (an antagonist of histamine H1 receptors)] Russo GE, et al. **Minerva Urol Nefrol** 1986 Oct-Dec;38(4):443–7 (Eng. Abstr.) **(Ita)**

[Effect of urocaninic acid on the intensity of itching in scabies] Abdieva DKh, et al. **Vestn Dermatol Venerol** 1986; (12):47–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pruritus of cholestasis is related to effects of bile salts on the liver, not the skin. Ghent CN. **Am J Gastroenterol** 1987 Feb;82(2):117–8

The mystery of itching telephonists. Anderson FE. **Australas J Dermatol** 1986 Aug;27(2):64–6

Skin mast cells in polycythaemia vera: relationship to the pathogenesis and treatment of pruritus. Jackson N, et al. **Br J Dermatol** 1987 Jan;116(1):21–9

Polycythaemia rubra vera and water-induced pruritus: blood histamine levels and cutaneous fibrinolytic activity before and after water challenge. Steinman HK, et al. **Br J Dermatol** 1987 Mar;116(3):329–33

Itching as a manifestation of noncutaneous disease. Bernhard JD. **Hosp Pract [Off]** 1987 Jan 30;22(1A):81–6, 91, 94–5

Over-bathing as a cause of pruritus [letter] Ayres S Jr. **Int J Dermatol** 1986 Jul–Aug;25(6):406–7

Increased cutaneous fibrinolytic activity in aquagenic pruritus. Lotti T, et al. **Int J Dermatol** 1986 Oct; 25(8):508–10

Generalized pruritus as a presenting symptom in Nigeria. Olumide YM, et al. **Int J Dermatol** 1987 Apr;26(3):171–3

Itch and malignancy prognosis in generalized pruritus: a 6-year follow-up of 125 patients. Paul R, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1179–82

Pruritus in dialysis patients [letter] Southi P, et al. **Med J Aust** 1987 Apr 6;146(7):397, 400

Bath-time itch and polycythaemia rubra vera [letter] Wong P, et al. **Med J Aust** 1987 Mar 16;146(6):336

Adult Still's disease presenting with fever and a pruritic rash. Henry K. **Minn Med** 1986 Sep;69(9):525–6

Pruritus in pregnancy. Dacus JV, et al. **South Med J** 1987 May;80(5):614–7 (21 ref.)

[Earache, itch and exudate as symptoms of a sick ear] Hordijk GJ. **Ned Tijdschr Geneeskd** 1987 Apr 25;131(17):725–7 **(Dut)**

[Cold sensitivity, pruritus, hypogonadism and dwarfism] Knorr M, et al. **Schweiz Rundsch Med Prax** 1987 Jun 23; 76(26):764–7 (Eng. Abstr.) **(Ger)**

[Generalized pruritus as a presenting symptom of Kimmelstiel-Wilson disease and central hypothyroidism]

Alcalay J, et al. **Harefuah** 1987 Mar 1;112(5):230–1 (Eng. Abstr.) **(Heb)**

[Generalized pruritus as a symptom of systemic diseases (editorial)] Alcalay J, et al. **Harefuah** 1987 Mar 1; 112(5):257–8 **(Heb)**

IMMUNOLOGY

Pruritic urticarial papules and plaques of pregnancy. A review of 21 cases. Alcalay J, et al. **J Reprod Med** 1987 Apr;32(4):315–6

PATHOLOGY

[An unusual histopathologic finding in polymorphic exanthema of pregnancy (itching, urticarial papules and plaques of pregnancy)] Alcalay J, et al. **Z Hautkr** 1987 Jun 1;62(11):879–81 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Response to an itch–producing substance in cat. I. Cutaneous receptor populations with myelinated axons. Tuckett RP, et al. **Brain Res** 1987 Jun 9;413(1):87–94

Response to an itch–producing substance in cat. II. Cutaneous receptor populations with unmyelinated axons. Tuckett RP, et al. **Brain Res** 1987 Jun 9;413(1):95–103

Scratching behaviour in arthritic rats: a sign of chronic pain or itch? De Castro–Costa M, et al. **Pain** 1987 Apr; 29(1):123–31

[Pruritus: physiopathology. Therapeutic attempts] Lorette G. **Ann Dermatol Venereol** 1986;113(12):1251–8 (71 ref.) **(Fre)**

[A study of itch intensity in relation to two–point tactual discrimination] Hama H, et al. **Shinrigaku Kenkyu** 1986 Aug;57(3):179–82 (Eng. Abstr.) **(Jpn)**

THERAPY

Pruritus in diseases with cholestasis: pruritogen and serum bile acids [letter] Math MV. **Am J Gastroenterol** 1987 Sep; 82(9):915–6

A combination of phototherapy and cholestyramine for the relief of pruritus in primary biliary cirrhosis. Cerio R, et al. **Br J Dermatol** 1987 Feb;116(2):265–7

Behavioural treatment of scratching in patients with atopic dermatitis. Melin L, et al. **Br J Dermatol** 1986 Oct; 115(4):467–74

[Effect of enterosorption on the microcirculation and the clinical picture in pruritic dermatoses] Grando SA, et al. **Vestn Dermatol Venerol** 1987;(2):41–4 (Eng. Abstr.) **(Rus)**

PRURITUS ANI

PHYSIOPATHOLOGY

Physiological study of pruritus ani. Allan A, et al. **Br J Surg** 1987 Jul;74(7):576–9

PRURITUS VULVAE

DRUG THERAPY

A new technique for alcohol injection in the vulva. Clouser JK, et al. **J Reprod Med** 1986 Oct;31(10):971–2

THERAPY

56 cases of chronic pruritus vulvae treated with acupuncture. Huang WY, et al. **J Tradit Chin Med** 1987 Mar;7(1):1–3

PRUSSIAN BLUE REACTION see under **HISTOCYTOCHEMISTRY**

PSAMMOMYS see **CRICETIDAE**

PSEUDALLESCHERIA see under **ASCOMYCETES**

PSEUDARTHROSIS

COMPLICATIONS

The Elephant Woman. Neurofibromatosis associated with pseudarthrosis of the humerus. Floyd A, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):121–3

CONGENITAL

Congenital pseudarthrosis of the tibia associated with cleidocranial dysostosis and osteogenesis imperfecta. A case report. McGinnis MR, et al. **Clin Orthop** 1987 Jul; (220):228–32

Bilateral congenital pseudarthrosis of the olecranon. Burge P, et al. **J Bone Joint Surg [Br]** 1987 May;69(3):460–2

Congenital pseudarthrosis of the fibula. Dal Monte A, et al. **J Pediatr Orthop** 1987 Jan–Feb;7(1):14–8

[Congenital pseudoarthrosis of the clavicle with third–grade vesico–ureteral reflux. Description of a clinical case] Sacchetti L, et al. **Minerva Pediatr** 1986 Oct 31; 38(20):937–40 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Synovial pseudarthrosis: a clinical, roentgenographic–scintigraphic, and pathologic study. Heppenstall RB, et al. **J Trauma** 1987 May;27(5):463–70

ETIOLOGY

Heterotopic ossification and pseudoarthrosis in the shoulder following encephalitis. A case report and review of the literature. An HS, et al. **Clin Orthop** 1987 Jun;(219):291–8

Painful pseudarthrosis following lumbar spinal fusion: detection by combined SPECT and planar bone scintigraphy. Slizofski WJ, et al. **Skeletal Radiol** 1987; 16(2):136–41

The rate of pseudarthrosis (surgical nonunion) in patients who are smokers and patients who are nonsmokers: a comparison study. Brown CW, et al. **Spine** 1986 Nov; 11(9):942–3

[Sternal pseudarthrosis in irradiated patients. Repairing by the pectoralis major myocutaneous flap] Freidel M, et al. **Ann Chir Plast Esthet** 1986;31(3):241–4 (Eng. Abstr.) **(Fre)**

[Pseudarthrosis of the lower end of the radius due to interposition of the long extensor of the thumb] de La Caffinière JY, et al. **Rev Chir Orthop** 1986;72(7):505–8 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Pseudarthrosis following treatment of idiopathic scoliosis by Harrington instrumentation and fusion without added bone. Bialik V, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):152–4

PHYSIOPATHOLOGY

The orthopaedic manifestations of neurofibromatosis. Rudicel S. **Conn Med** 1987 Apr;51(4):221–2

RADIOGRAPHY

Pseudarthrosis following lumbar fusion: detection by direct coronal CT scanning. Chafetz N, et al. **Radiology** 1987 Mar; 162(3):803–5

[Large styloid process of the lumbar spine with nearthrosis] Arany L, et al. **ROFO** 1987 Aug;147(2):226–7 **(Ger)**

[Clinical picture and surgical treatment of pseudarthrosis of the carpal scaphoid] Andreasi A. **Arch Putti Chir Organ Mov** 1985;35:225–38 (Eng. Abstr.) **(Ita)**

[Prognostic value of arteriography in the treatment of patients with delayed union of the bones of the lower extremities] Chepelenko GV, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):31–4 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Preservation of the work capacity of patients with delayed fracture consolidation] Zub VS, et al. **Ortop Travmatol Protez** 1987 Feb;(2):36–8 **(Rus)**

SURGERY

Analysis of twenty–eight recurrent pseudarthroses of the carpal navicular after the Matti–Russe operation. Condamine JL, et al. **Ann Chir Main** 1986;5(4):269–80 **(Eng, Fre)**

Vascularized bone grafts. Treating pseudarthrosis of the tibia. Butler VL. **AORN J** 1987 Aug;46(2):283–4, 286, 288–90 passim

Cotrel–Dubousset instrumentation technique for revision of failed lumbosacral fusion. Farcy JP, et al. **Bull Hosp Jt Dis Orthop Inst** 1987 Spring;47(1):1–12

The treatment of noninfected pseudarthrosis of the femur and tibia with locked intramedullary nailing. Kempf I, et al. **Clin Orthop** 1986 Nov;(212):142–54

Treatment of infected pseudarthrosis of the femur and tibia with an interlocking nail. Klemm KW. **Clin Orthop** 1986 Nov;(212):174–81

Scaphoid nonunion treated with the Matti–Russe technique. Long–term results. Stark A, et al. **Clin Orthop** 1987 Jan; (214):175–80

Vascularized bone graft pedicled on the volar carpal artery for non–union of the scaphoid. Kuhlmann JN, et al. **J Hand Surg [Br]** 1987 Jun;12(2):203–10

Results of scaphoid non–union treatment by the Matti–Russe procedure using compressed cancellous bone. Bilić R, et al. **Unfallchirurg** 1987 Mar;90(3):134–8

[Free fibula transplantation with restoration of the blood supply] de Boer HH, et al. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1131–6 (Eng. Abstr.) **(Dut)**

[The value of a locking nail in the treatment of aseptic diaphyseal pseudarthrosis of the lower limb] Delefortrie G, et al. **Acta Orthop Belg** 1986 Sep–Oct;52(5):651–60 **(Fre)**

[Pediculated bone grafts as vascularization aids. At the wrist level] Kuhlmann JN, et al. **Acta Orthop Belg** 1986; 52(6):753–70 (Eng. Abstr.) **(Fre)**

[Septic diaphyseal pseudarthrosis. Current therapeutic trends based on a series of 80 cases] Chauvet J, et al. **Ann Chir** 1986 Dec;40(9):633–40 (Eng. Abstr.) **(Fre)**

[Combination Papineau's operation and intertibio–fibular graft in the treatment of septic pseudoarthrosis of the leg. Apropos of 14 cases] Passuti N, et al. **Ann Chir** 1987 Feb; 41(1):35–9 (Eng. Abstr.) **(Fre)**

[Osteomyelitic pseudarthrosis of the tibia with loss of substance treated with a graft of the opposite fibula] Bumbic S. **Chir Pediatr** 1986;27(6):356–8 (Eng. Abstr.) **(Fre)**

[Inter–tibiofibular graft. Results and choice of indications. Apropos of 62 cases] Chauvet J, et al. **Chirurgie** 1986; 112(7–8):571–7 (Eng. Abstr.) **(Fre)**

[Trochanteric pseudoarthroses after total hip arthroplasty: their fixation with a new claw–plate] Courpied JP, et al. **Rev Chir Orthop** 1986;72(8):583–6 (Eng. Abstr.) **(Fre)**

[Chronic fractures and pseudarthroses of the scaphoid bone of the hand. Experiences with the Ender scaphoid bone plate] Geisl H, et al. **Aktuel Traumatol** 1986 Aug; 16(4):149–52 (Eng. Abstr.) **(Ger)**

[Significance of meningitis as a complication of spinal anesthesia] Eisler K, et al. **Anaesthesist** 1987 Feb;36(2):76–7 (Eng. Abstr.) **(Ger)**

[Initial experiences with the scaphoid bone plate in the treatment of old fractures and pseudarthroses of the scaphoid bone] Sándor L, et al. **Unfallchirurg** 1987 May; 90(5):224–8 (Eng. Abstr.) **(Ger)**

[Pseudarthroses of the scaphoid and its surgical treatment] Wozasek GE, et al. **Zentralbl Chir** 1986;111(17):1039–47 (Eng. Abstr.) **(Ger)**

[Further development of the fibula–pro–tibia method in the treatment of tibial fractures and pseudarthrosis] Sárváry A. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(4):241–50 (Eng. Abstr.) **(Hun)**

[Results of a 4–year follow–up on the use of multiply contoured intramedullary nails in the treatment of diaphyseal fractures and pseudarthroses of the humerus] Bartolozzi P. **Arch Putti Chir Organ Mov** 1985;35:169–72 **(Ita)**

[Tibio–fibular osteosynthesis in the treatment of infected tibial pseudarthroses] Krawczyk E. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):55–8 (Eng. Abstr.) **(Pol)**

[Surgical treatment of ununited fractures and pseudarthroses of the femoral neck] Gur'ev VN, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):126–8 **(Rus)**

[Osteosynthesis using metal plates in the treatment of the sequelae of para– and intra–articular fractures of the femur and tibia] Zubikov VS. **Khirurgiia (Mosk)** 1986 Nov; (11):110–3 **(Rus)**

[Endoprosthesis in fractures of the neck of the femur] Levenets VN, et al. **Klin Khir** 1986;(12):18–20 (Eng. Abstr.) **(Rus)**

[Osteosynthesis with metal plates] Gol'dman BL, et al. **Ortop Travmatol Protez** 1987 Feb;(2):30–3 (Eng. Abstr.) **(Rus)**

[Results of treating ununited fractures and pseudarthroses of the humerus] Islambekov US, et al. **Ortop Travmatol Protez** 1986 Aug;(8):54–5 **(Rus)**

[Status of peripheral circulation and the neuro–muscular system in the treatment of congenital crural pseudarthroses by transosseous osteosynthesis] Shevtsov VI, et al. **Sov Med** 1986;(7):101–3 **(Rus)**

[Transosseous osteosynthesis in the treatment of fractures and their sequelae] Faddeev DI, et al. **Vestn Khir** 1987 Mar; 138(3):92–3 **(Rus)**

[Free bone and skin–bone autoplasty on a vascular pedicle in patients with defects and pseudarthroses] Makhson NE, et al. **Vestn Khir** 1986 Jul;137(7):108–12 (Eng. Abstr.) **(Rus)**

THERAPY

[Treatment of post–traumatic pseudoarthrosis of the clavicle] Mikkelsen SS, et al. **Ugeskr Laeger** 1986 Oct 6; 148(41):2628–30 (Eng. Abstr.) **(Dan)**

[The external fixator in the treatment of osteoarticular infections of the hand] Allieu Y, et al. **Ann Chir Plast Esthet** 1987;32(1):64–9 (Eng. Abstr.) **(Fre)**

[Direct electrostimulation in the treatment plan of pseudarthroses] Eckhardt B. **Zentralbl Chir** 1987; 112(2):89–98 (Eng. Abstr.) **(Ger)**

PSEUDO–HURLER POLYDYSTROPHY see **MUCOLIPIDOSIS**

PSEUDO–OBSTRUCTION, INTESTINAL see **INTESTINAL PSEUDO–OBSTRUCTION**

PSEUDOBULBAR PARALYSIS see **PARALYSIS**

PSEUDOCHOLINESTERASE see under **CHOLINESTERASES**

PSEUDOCYESIS see **PSEUDOPREGNANCY**

PSEUDODEMENTIA see **FACTITIOUS DISORDERS**

PSEUDOEPHEDRINE see **EPHEDRINE**

PSEUDOGLOBULINS see **SERUM GLOBULINS**

PSEUDOGOUT see **CHONDROCALCINOSIS**

PSEUDOHERMAPHRODITISM

COMPLICATIONS

Benign prostatic hyperplasia and uterine leiomyomas in a female pseudohermaphrodite: a case report. Heyns CF, et al. **J Urol** 1987 Jun;137(6):1245–7

[Female pseudohermaphroditism associated with cloacal dysgenesis] Cordier MP, et al. **J Genet Hum** 1987 May; 35(2–3):179–86 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Two cases of severe lethal Smith–Lemli–Opitz syndrome. Belmont JW, et al. **Am J Med Genet** 1987 Jan;26(1):65–7

Clinical, cytogenetic & hormonal profile in extreme hypospadias with bilaterally descended testes. Iyengar JK, et al. **Indian J Med Res** 1986 Jun;83:604–9

[Diagnosis of male pseudohermaphroditism in newborn infants] de Zegher F, et al. **Ned Tijdschr Geneeskd** 1986 Aug 30;130(35):1549–52 **(Dut)**

[True hermaphroditism and double fertilization] Gilgenkrantz S. **J Genet Hum** 1987 May;35(2–3):105–18 (Eng. Abstr.) **(Fre)**

[Second prenatal diagnosis in a familial form of male pseudohermaphroditism caused by 17 keto–reductase deficiency: prediction confirmed by a normal third male infant] Nivelon JL, et al. **J Genet Hum** 1987 May; 35(2–3):159–63 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Comparison of two tests to recognize or exclude 5 alpha–reductase deficiency in prepubertal children. Greene S, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):113–7

The diagnosis of 5 alpha–reductase deficiency in infancy. Imperato–McGinley J, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1313–8

The prevalence of 5 alpha–reductase deficiency in children with ambiguous genitalia in the Dominican Republic. Imperato–McGinley J, et al. **J Urol** 1986 Oct;136(4):867–73

ETIOLOGY

Female pseudohermaphroditism in a neonate born to a mother with polycystic ovarian disease. Bilowus M, et al. **J Urol** 1986 Nov;136(5):1098–100

FAMILIAL & GENETIC

Smith–Lemli–Opitz syndrome–type II: multiple congenital anomalies with male pseudohermaphroditism and frequent early lethality. Curry CJ, et al. **Am J Med Genet** 1987 Jan; 26(1):45–57

The Gardner–Silengo–Wachtel or genito–palato–cardiac syndrome: male pseudohermaphroditism with micrognathia, cleft palate, and conotruncal cardiac defect. Greenberg F, et al. **Am J Med Genet** 1987 Jan;26(1):59–64

Lincoln vs. Douglas again; comments on the papers by Curry et al, Greenberg et al, and Belmont et al. Opitz JM, et al. **Am J Med Genet** 1987 Jan;26(1):69–71

A clinico–genetic investigation of Leydig cell hypoplasia. Saldanha PH, et al. **Am J Med Genet** 1987 Feb;26(2):337–44

Peculiar face, deafness, cleft palate, male pseudohermaphroditism, and growth and psychomotor retardation; a new autosomal recessive syndrome? Ieshima A, et al. **Clin Genet** 1986 Aug;30(2):136–41

Partial androgen receptor deficiency and mixed gonadal dysgenesis in Drash syndrome. Turleau C, et al. **Hum Genet** 1987 Jan;75(1):81–3

Familial Leydig cell hypoplasia as a cause of male pseudohermaphroditism. el–Awady MK, et al. **Hum Hered** 1987;37(1):36–40

H–Y intermediate phenotype in male pseudohermaphroditism. Wilson TA, et al. **J Pediatr** 1986 Nov;109(5):815–9

[Reifenstein's syndrome: case report of two siblings] Sugao H, et al. **Hinyokika Kiyo** 1987 Apr;33(4):545–50 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Identification of prostate–specific antigen in the vaginal secretions of a male pseudohermaphrodite. Sauer MV, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):872

PATHOLOGY

Dysgenetic male pseudohermaphroditism in a 45,X/46,X,del(Y)(q11.1) mosaic infant. Gaba AR, et al. **Am J Med Genet** 1987 Mar;26(3):545–9

Ectopic seminiferous tubules in the tunica albuginea of normal and dysgenetic testes. Nistal M, et al. **Appl Pathol** 1985;3(3):123–8

Internal male pseudohermaphroditism in a 6 week old child. Lukusa T, et al. **Eur J Pediatr** 1986 Dec;145(6):568–70

Vaginal and phallic urethra with prominent clitoris in female pseudohermaphroditism. Kounami T, et al. **J Urol** 1986 Oct;136(4):915–8

PHYSIOPATHOLOGY

Expression of male–typical behavior in adult female pseudohermaphroditic rhesus: comparisons with normal males and neonatally gonadectomized males and females. Pomerantz SM, et al. **Horm Behav** 1986 Dec;20(4):483–500

PSYCHOLOGY

Psychological findings in early treated cases of female pseudohermaphroditism caused by virilizing congenital adrenal hyperplasia. Hurtig AL, et al. **Arch Sex Behav** 1987 Jun;16(3):209–23

PSEUDOHYPOPARATHYROIDISM

[Current status of knowledge of pseudohypoparathyroidism] Díaz Curiel M. **Rev Clin Esp** 1986 Dec;179(9):466–71 (Eng. Abstr.) **(Spa)**

BLOOD

Separation of inhibitory activity from biologically active parathyroid hormone in patients with pseudohypoparathyroidism type I. Loveridge N, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):117–22

Responses to glucagon infusion in pseudohypoparathyroidism. Brickman AS, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1354–60

COMPLICATIONS

Case study of a family of pseudohypoparathyroidism and pseudopseudohypoparathyroidism. Prasad VG, et al. **J Assoc Physicians India** 1986 Aug;34(8):600–2

[Severe constipation indicative of pseudohypoparathyroidism and resolved after normalization of the blood calcium] Margulies A, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Oct;22(5):271–2 (Eng. Abstr.) **(Fre)**

[A case report of Bartter's syndrome associated with possible pseudohypoparathyroidism type II] Shigeta H, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr;76(4):549–52 **(Jpn)**

DIAGNOSIS

Pseudohypoparathyroidism. A case report with low immunoreactive parathyroid hormone and multiple endocrine dysfunctions. Attanasio R, et al. **Minerva Endocrinol** 1986 Oct–Dec;11(4):267–73

[Transitory pseudohypoparathyroidism in the newborn infant] Schaumberger E, et al. **Klin Padiatr** 1986 Jul–Aug; 198(4):349–52 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Suppression of parathyroid hormone inhibitory activity of plasma in pseudohypoparathyroidism type I by i.v. calcium. Loveridge N, et al. **Clin Endocrinol (Oxf)** 1986 May; 24(5):549–54

FAMILIAL & GENETIC

Coexistent pseudohypoparathyroidism and D brachydactyly in a family. Graudal N, et al. **Clin Genet** 1986 Dec; 30(6):449–55

[Pseudohypoparathyroidism] Høyer S, et al. **Tidsskr Nor Laegeforen** 1987 May 20;107(14):1226–7, 1222 (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

25–Hydroxyvitamin D3 loading test in primary hyperparathyroidism, hypoparathyroidism and pseudohypoparathyroidism. Miura R, et al. **Endocrinol Jpn** 1987 Feb;34(1):97–104

Pseudohypoparathyroidism. An update. Attanasio R, et al. **Minerva Endocrinol** 1987 Jan–Mar;12(1):19–27 (61 ref.)

[Sensitivity of bone to parathyroid hormone in type I pseudohypoparathyroidism. 6 cases] Wemeau JL, et al. **Ann Med Interne (Paris)** 1986;137(3):220–5 (Eng. Abstr.) **(Fre)**

PSEUDOMONADACEAE

GENETICS

Cascade regulation of Caulobacter flagellar and chemotaxis genes. Champer R, et al. **J Mol Biol** 1987 Mar 5; 194(1):71–80

Identification of a gene cluster involved in flagellar basal body biogenesis in Caulobacter crescentus. Hahnenberger KM, et al. **J Mol Biol** 1987 Mar 5;194(1):91–103

Heterogeneity of tetracycline resistance determinants. Mendez B, et al. **Plasmid** 1980 Mar;3(2):99–108

IMMUNOLOGY

Biological activity of lipopolysaccharides from oral Selenomonas. Hofstad T, et al. **Scand J Dent Res** 1986 Dec; 94(6):515–20

METABOLISM

Differential localization of membrane receptor chemotaxis proteins in the Caulobacter predivisional cell. Nathan P, et al. **J Mol Biol** 1986 Oct 5;191(3):433–40

PSEUDOMONAS

Structure of pseudobactin A214, a siderophore from a bean–deleterious Pseudomonas. Buyer JS, et al. **Biochemistry** 1986 Sep 23;25(19):5492–9

A monoclonal antibody–Pseudomonas toxin conjugate that specifically kills multidrug–resistant cells. FitzGerald DJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4288–92

ANALYSIS

Pseudomonas diminuta LPS with a new endotoxic lipid A structure. Kasai N, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):972–8

Mechanism of action of Pseudomonas syringae phytotoxin, syringomycin. Interaction with the plasma membrane of wild–type and respiratory–deficient strains of Saccharomyces cerevisiae. Zhang L, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):201–4

Structural studies of a polysaccharide (S–88) elaborated by Pseudomonas ATCC 31554. Jansson PE, et al. **Carbohydr Res** 1986 Nov 15;156:165–72

Monomer sequence and acetylation pattern in some bacterial alginates. Skjåk–Braek G, et al. **Carbohydr Res** 1986 Oct 15;154:239–50

Lipopolysaccharides of Pseudomonas spp. that stimulate plant growth: composition and use for strain identification. de Weger LA, et al. **J Bacteriol** 1987 Apr;169(4):1441–6

Comparative study of refractile (R) bodies and their genetic determinants: relationship of type 51 R bodies to R bodies produced by Pseudomonas taeniospiralis. Kanabrocki JA, et al. **J Bacteriol** 1986 Nov;168(2):1019–22

Purification and characterization of phthalate oxygenase and phthalate oxygenase reductase from Pseudomonas cepacia. Batie CJ, et al. **J Biol Chem** 1987 Feb 5;262(4):1510–8

Characterization of hemolysin in extracellular products of Pseudomonas cepacia. Nakazawa T, et al. **J Clin Microbiol** 1987 Feb;25(2):195–8

Comparison of a gelation and a chromogenic Limulus (LAL) assay for the detection of gram–negative bacteria, and the application of the latter assay to milk. Svensson A, et al. **J Dairy Res** 1987 May;54(2):267–73

CLASSIFICATION

An investigation of three commercial methods for rapid identification of non–enteric gram–negative rods. Application on Pseudomonas paucimobilis and some other Pseudomonas species. Søgaard P, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):357–63

Pseudomonas maltophilia. Schoch PE, et al. **Infect Control** 1987 Apr;8(4):169–72 (13 ref.)

Numerical taxonomy of proteolytic psychrotrophs from Queensland raw milks. O'Connor RE, et al. **J Appl Bacteriol** 1986 Jul;61(1):25–38

A numerical taxonomic study of psychrotrophic bacteria associated with lipolytic spoilage of raw milk. Shelley AW, et al. **J Appl Bacteriol** 1987 Mar;62(3):197–207

[Biological characteristics of several species of Pseudomonas of different origins] Meitert E, et al. **Rev Ig [Bacteriol]** 1986 Oct–Dec;31(4):319–34 (Eng. Abstr.) **(Rum)**

[Use of differential media for the pigmentation of Pseudomonas] Pájaro MC, et al. **Rev Latinoam Microbiol** 1986 Jul–Sep;28(3):191–5 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Antimicrobial activity of Ro 15–8074, active metabolite of a new oral cephalosporin (Ro 15–8075), against 7,775 recent clinical isolates. Jones RN, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):961–3

Involvement of outer membrane of Pseudomonas cepacia in aminoglycoside and polymyxin resistance. Moore RA, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):923–6

Toxicity of paraquat to microorganisms. Carr RJ, et al. **Appl Environ Microbiol** 1986 Nov;52(5):1112–6

In vitro evaluation of Ro 23–6240, a new fluorinated 4–quinolone. Stobberingh EE, et al. **Chemotherapy** 1987; 33(3):197–203

Determination of synergy by two methods with eight antimicrobial combinations against tobramycin–susceptible and tobramycin–resistant strains of Pseudomonas. Chan EL, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):157–64

Comparative activities of the beta–lactamase inhibitors YTR 830, clavulanate and sulbactam combined with extended–spectrum penicillins against ticarcillin–resistant Enterobacteriaceae and pseudomonads. Jacobs MR, et al. **J Antimicrob Chemother** 1986 Aug;18(2):177–84

In–vitro susceptibility of Pseudomonas species to fifteen antimicrobial agents. Rolston KV, et al. **J Antimicrob Chemother** 1987 Feb;19(2):193–6

Self–protection of Pseudomonas syringae pv. "tabaci" from its toxin, tabtoxinine–beta–lactam. Knight TJ, et al. **J Bacteriol** 1987 May;169(5):1954–9

Evaluation of the AutoMicrobic system for susceptibility testing of aminoglycosides and gram–negative bacilli. Hindler JA, et al. **J Clin Microbiol** 1987 Mar;25(3):546–50

Persistence of an aminoglycoside–resistance determinant at a university hospital for 12 years. Barg N, et al. **J Infect Dis** 1987 Mar;155(3):586–9

Differences in drug susceptibility between isolates of Pseudomonas cepacia recovered from patients with cystic fibrosis and other sources and its relationship to beta–lactamase focusing pattern. Aronoff SC, et al. **Pediatr Pulmonol** 1986 Nov–Dec;2(6):368–72

Decreased baseline beta–lactamase production and inducibility associated with increased piperacillin susceptibility of Pseudomonas cepacia isolated from children with cystic fibrosis. Chiesa C, et al. **Pediatr Res** 1986 Nov;20(11):1174–7

[Evaluation of the antibiotic sensitivity of Pseudomonas sp. using the API–ATB–PSE system. Comparison with diffusion and the reference agar dilution method] Delisle F, et al. **Pathol Biol (Paris)** 1986 May;34(5):424–9 (Eng. Abstr.) **(Fre)**

[Drug resistance of bacteria and countermeasures—current status of resistance. 3. Glucose–nonfermentative bacteria] Yabuuchi E. **Nippon Rinsho** 1986 Apr;44(4):973–7 (16 ref.) **(Jpn)**

ENZYMOLOGY

P-450 binding to substrates camphor and linalool versus pressure. Marden MC, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):100–7

Characterization of two ornithine carbamoyltransferases from Pseudomonas syringae pv. phaseolicola, the producer of phaseolotoxin. Jahn O, et al. **Arch Microbiol** 1987 Mar; 147(2):174–8

Immunochemical patterns of distribution of nitrous oxide reductase and nitrite reductase (cytochrome cd1) among denitrifying pseudomonads. Körner H, et al. **Arch Microbiol** 1987 Jun;148(1):20–4

Amidohydrolysis of N–methylhydantoin coupled with ATP hydrolysis. Kim JM, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1006–12

Purification and characterization of glyoxalase I from Pseudomonas putida. Rhee H, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):993–9

Affinity alkylation of 3–oxo–delta 5–steroid isomerase by steroidal 3 beta–oxiranes: identification of the modified amino acid by reduction with hydroxyborohydride. Bounds PL, et al. **Biochemistry** 1987 Apr 21;26(8):2263–9

Inhibition of 3(17)beta–hydroxysteroid dehydrogenase from Pseudomonas testosteroni by steroidal A ring fused pyrazoles. Levy MA, et al. **Biochemistry** 1987 Apr 21; 26(8):2270–9

Pseudomonas cepacia 3–hydroxybenzoate 6–hydroxylase: induction, purification, and characterization. Wang LH, et al. **Biochemistry** 1987 Feb 24;26(4):1099–104

Pseudomonas cepacia 3–hydroxybenzoate 6–hydroxylase: stereochemistry, isotope effects, and kinetic mechanism. Yu YM, et al. **Biochemistry** 1987 Feb 24;26(4):1105–10

Structural elements of bactopterin from Pseudomonas carboxydoflava carbon monoxide dehydrogenase. Krüger B, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):357–64

Amino acid sequences of the two heme c–binding sites of Pseudomonas cytochrome–c peroxidase. Rönnberg M. **Biochim Biophys Acta** 1987 Mar 18;912(1):82–6

Hydrodynamic characterization of the size and shape of atropinesterase from Pseudomonas putida. van der Drift AC, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):167–77

Synthesis of branched cyclomalto–oligosaccharides using Pseudomonas isoamylase. Abe J, et al. **Carbohydr Res** 1986 Oct 15;154:81–92

Mucopolysaccharidases from Pseudomonas sp. Isolation and partial characterization of constitutive enzymes involved in the degradation of keratan sulfate and chondroitin sulfate. Horton DS, et al. **Eur J Biochem** 1986 Nov 17; 161(1):139–47

Nitrile hydratase of Pseudomonas chlororaphis B23. Purification and characterization. Nagasawa T, et al. **Eur J Biochem** 1987 Feb 2;162(3):691–8

NAD(P)+–independent aldehyde dehydrogenase from Pseudomonas testosteroni. A novel type of molybdenum–containing hydroxylase. Poels PA, et al. **Eur J Biochem** 1987 Aug 3;166(3):575–9

Detection of a new chloroperoxidase in Pseudomonas pyrrocinia. Wiesner W, et al. **FEBS Lett** 1986 Dec 15; 209(2):321–4

Relevance of host–derived and bacterial factors in Pseudomonas aeruginosa corneal infections. Steuhl KP, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1559–68

Induction of chromosomal beta–lactamase expression in enterobacteria. Lindberg F, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:43–50 (24 ref.)

Purification and properties of 2,3–dihydroxybiphenyl dioxygenase from polychlorinated biphenyl–degrading Pseudomonas pseudoalcaligenes and Pseudomonas aeruginosa carrying the cloned bphC gene [published erratum appears in J Bacteriol 1987 May;169(5):2326] Furukawa K, et al. **J Bacteriol** 1987 Feb;169(2):924–7

Dienelactone hydrolase from Pseudomonas sp. strain B13. Ngai KL, et al. **J Bacteriol** 1987 Feb;169(2):699–703

Discovery of a cutinase–producing Pseudomonas sp. cohabiting with an apparently nitrogen–fixing Corynebacterium sp. in the phyllosphere. Sebastian J, et al. **J Bacteriol** 1987 Jan;169(1):131–6

Substrate specificity of endo–beta–galactosidases from Flavobacterium keratolyticus and Escherichia freundii is different from that of Pseudomonas sp. Ito M, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):773–80

Spectral and kinetic studies on Pseudomonas L–phenylalanine oxidase (deaminating and decarboxylating). Koyama H, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):859–66

The involvement of carboxylate groups of putidaredoxin in the reaction with putidaredoxin reductase. Geren L, et al. **J Biol Chem** 1986 Nov 25;261(33):15491–5

Enzymes of vitamin B6 degradation. Purification and properties of 4– and 5–pyridoxolactonases. Jong YJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15112–4

Enzymes of vitamin B6 degradation. Purification and properties of pyridoxine 5'–dehydrogenase (oxidase). Jong YJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15102–5

Enzymes of vitamin B6 degradation. Purification and properties of isopyridoxal dehydrogenase and 5–formyl–3–hydroxy–2–methylpyridine–4–carboxylic–acid dehydrogenase. Lee YC, et al. **J Biol Chem** 1986 Nov 15; 261(32):15106–11

Purification and some properties of component B of the 4–chlorophenylacetate 3,4–dioxygenase from Pseudomonas species strain CBS 3. Schweizer D, et al. **J Biol Chem** 1987 Jul 5;262(19):9340–6

Pseudomonas maltophilia exoenzyme activity as correlate in pathogenesis of ecthyma gangrenosum. Bottone EJ, et al. **J Clin Microbiol** 1986 Dec;24(6):995–7

A modified ultra high temperature treatment for reducing microbial lipolysis in stored milk. Bucky AR, et al. **J Dairy Res** 1987 May;54(2):275–82

Microbial lipases: their characteristics, role in food spoilage and industrial uses. Stead D. **J Dairy Res** 1986 Aug; 53(3):481–505 (265 ref.)

Comparison of the heat resistance of bacterial lipases and proteases and the effect on ultra–high temperature milk quality. Christen GL, et al. **J Dairy Sci** 1986 Nov; 69(11):2769–78

A comparative study of acquired amidase activity in Pseudomonas species. Wyndham RC, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2195–204

Crystal structure of muconate lactonizing enzyme at 3 A resolution. Goldman A, et al. **J Mol Biol** 1987 Mar 5; 194(1):143–53

Anthranilate synthase from fluorescent Pseudomonads. Crawford IP. **Methods Enzymol** 1987;142:300–6

4–Hydroxyphenylpyruvate dioxygenase from Pseudomonas. Lindstedt S, et al. **Methods Enzymol** 1987;142:143–8

Purification and properties of tryptophan side chain oxidase types I and II from Pseudomonas. Takai K, et al. **Methods Enzymol** 1987;142:195–217

Effect of temperature on sulfite–mediated dark reversion of urocanase in Pseudomonas putida. O'Donnell PS, et al. **Photochem Photobiol** 1987 Jun;45(6):795–9

[Profiles of enzymatic activities of the genera Agrobacterium, Alcaligenes, Alteromonas, Flavobacterium and Pseudomonas] Algorta G, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):297–302 (Eng. Abstr.) **(Fre)**

[Demonstration of an NAD–dependent 6–phosphogluconate dehydrogenase in Pseudomonas syringae pv. phaseolicola] Sauerstein J, et al. **J Basic Microbiol** 1987;27(3):173–6 (Eng. Abstr.) **(Ger)**

[X–ray analysis of bacterial NAD–dependent formate dehydrogenase at resolution of 5 angstroms] Aleshin AE, et al. **Dokl Akad Nauk SSSR** 1987;294(4):973–6 **(Rus)**

[Repression of the synthesis and allosteric inhibition of 3–deoxy–D–arabinoheptulosonate–7–phosphate synthase in facultative methylotrophic bacterium Pseudomonas sp. M] Olekhnovich IN, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):34–6 (Eng. Abstr.) **(Rus)**

GENETICS

Immobilized bacteria and plasmid stability. Iniesta FM, et al. **Ann NY Acad Sci** 1987;501:317–29

Genome organization in Pseudomonas. Holloway BW, et al. **Annu Rev Microbiol** 1986;40:79–105 (141 ref.)

Maintenance and stability of introduced genotypes in groundwater aquifer material. Jain RK, et al. **Appl Environ Microbiol** 1987 May;53(5):996–1002

Measuring genetic stability in bacteria of potential use in genetic engineering [published erratum appears in Appl Environ Microbiol 1987 Apr;53(4):905] Walter MV, et al. **Appl Environ Microbiol** 1987 Jan;53(1):105–9

Molecular cloning and nucleotide sequence of the lipase gene from Pseudomonas fragi. Kugimiya W, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):185–90

Molecular cloning of the Pseudomonas putida glyoxalase I gene in Escherichia coli. Rhee H, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):831–8

Genetic analysis and manipulation of catabolic pathways in Pseudomonas. Lehrbach PR, et al. **Biochem Soc Symp** 1983; 48:191–219 (73 ref.)

Cloning and complete nucleotide sequence determination of the catB gene encoding cis,cis–muconate lactonizing enzyme. Aldrich TL, et al. **Gene** 1987;52(2–3):185–95

Nucleotide sequence and expression of gene nahH of plasmid NAH7 and homology with gene xylE of TOL pWWO. Ghosal D, et al. **Gene** 1987;55(1):19–28

Nucleotide sequence of the regulatory gene xylS on the Pseudomonas putida TOL plasmid and identification of the protein product [published erratum appears in Gene 1986;45(3):339] Inouye S, et al. **Gene** 1986;44(2–3):235–42

IS50L as a non–self transposable vector used to integrate the Bacillus thuringiensis delta–endotoxin gene into the chromosome of root–colonizing pseudomonads. Obukowicz MG, et al. **Gene** 1987;51(1):91–6

IS2 activates the ilvA gene of Pseudomonas cepacia in Escherichia coli. Barsomian G, et al. **J Bacteriol** 1987 Apr; 169(4):1777–9

Molecular cloning of copper resistance genes from Pseudomonas syringae pv. tomato. Bender CL, et al. **J Bacteriol** 1987 Feb;169(2):470–4

Characterization of a novel TOL–like plasmid from Pseudomonas putida involved in 1,2,4–trimethylbenzene degradation. Bestetti G, et al. **J Bacteriol** 1987 Apr; 169(4):1780–3

Naturally occurring TOL plasmids in Pseudomonas strains carry either two homologous or two nonhomologous catechol 2,3–oxygenase genes. Chatfield LK, et al. **J Bacteriol** 1986 Nov;168(2):878–85

Expression of degradative genes of Pseudomonas putida in Caulobacter crescentus. Chatterjee DK, et al. **J Bacteriol** 1987 Jul;169(7):2962–6

Spontaneous deletion of a 20–kilobase DNA segment carrying genes specifying isopropylbenzene metabolism in Pseudomonas putida RE204. Eaton RW, et al. **J Bacteriol** 1986 Oct;168(1):428–30

Nucleotide sequence and expression of clcD, a plasmid–borne dienelactone hydrolase gene from Pseudomonas sp. strain B13. Frantz B, et al. **J Bacteriol** 1987 Feb;169(2):704–9

Nucleotide sequence of the 2,3–dihydroxybiphenyl dioxygenase gene of Pseudomonas pseudoalcaligenes. Furukawa K, et al. **J Bacteriol** 1987 Jan;169(1):427–9

Insertion–sequence–dependent rearrangements of Pseudomonas cepacia plasmid pTGL1. Gaffney TD, et al. **J Bacteriol** 1987 Jan;169(1):224–30

Molecular cloning and biological characterization of the recA gene from Pseudomonas syringae. Hickman MJ, et al. **J Bacteriol** 1987 Jun;169(6):2906–10

Overproduction of the xylS gene product and activation of the xylDLEGF operon on the TOL plasmid. Inouye S, et al. **J Bacteriol** 1987 Aug;169(8):3587–92

Gene organization of the first catabolic operon of TOL plasmid pWW53: production of indigo by the xylA gene product. Keil H, et al. **J Bacteriol** 1987 Feb;169(2):764–70

Gene cluster of Pseudomonas syringae pv. "phaseolicola" controls pathogenicity of bean plants and hypersensitivity of nonhost plants [published erratum appears in J Bacteriol in 1987 Feb;169(2):928] Lindgren PB, et al. **J Bacteriol** 1986 Nov;168(2):512–22

Molecular characterization and nucleic acid sequence of an avirulence gene from race 6 of Pseudomonas syringae pv. glycinea. Napoli C, et al. **J Bacteriol** 1987 Feb;169(2):572–8

Cloning of Pseudomonas sp. strain CBS3 genes specifying dehalogenation of 4–chlorobenzoate. Savard P, et al. **J Bacteriol** 1986 Oct;168(1):81–5

Identification of transposable elements which activate gene expression in Pseudomonas cepacia. Scordilis GE, et al. **J Bacteriol** 1987 Jan;169(1):8–13

Chromosomal location of TOL plasmid DNA in Pseudomonas putida. Sinclair MI, et al. **J Bacteriol** 1986 Dec;168(3):1302–8

Activation of the xylDLEGF promoter of the TOL toluene–xylene degradation pathway by overproduction of the xylS regulatory gene product. Spooner RA, et al. **J Bacteriol** 1987 Aug;169(8):3581–6

Molecular cloning of genes encoding branched–chain keto acid dehydrogenase of Pseudomonas putida. Sykes PJ, et al. **J Bacteriol** 1987 Apr;169(4):1619–25

Molecular cloning and expression of the 3–chlorobenzoate–degrading genes from Pseudomonas sp. strain B13. Weisshaar MP, et al. **J Bacteriol** 1987 Jan; 169(1):394–402

Structure of the Pseudomonas putida alkBAC operon. Identification of transcription and translation products. Eggink G, et al. **J Biol Chem** 1987 May 5;262(13):6400–6

A generalized transducing phage of Pseudomonas cepacia. Matsumoto H, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2583–6

Genetic, functional and sequence analysis of the xylR and xylS regulatory genes of the TOL plasmid pWW0. Spooner RA, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1347–58

Replicon fusions promoted by insertion sequences on Pseudomonas cepacia plasmid pTGL6. Barsomian G, et al. **MGG** 1986 Aug;204(2):273–80

The xylS gene positive regulator of TOL plasmid pWWO: identification, sequence analysis and overproduction leading to constitutive expression of meta cleavage operon. Mermod N, et al. **MGG** 1987 May;207(2–3):349–54

Identification and mapping of regions that confer plasmid functions and of sites for excisive recombination of plasmid pMMC7105. Poplawsky AR, et al. **MGG** 1987 Feb; 206(2):265–72

Unauthorized release upsets EPA [news] Ezzell C. **Nature** 1987 Aug 20–26;328(6132):659

Test without EPA approval has come to an end [news] Ezzell C. **Nature** 1987 Sep 10–16;329(6135):95

Conserved repeats in diverged ice nucleation structural genes from two species of Pseudomonas. Warren G, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8047–60

Analysis of transcription from the trfA promoter of broad host range plasmid RK2 in Escherichia coli, Pseudomonas putida, and Pseudomonas aeruginosa. Pinkney M, et al. **Plasmid** 1987 May;17(3):222–32

Conservation of plasmids among plant–pathogenic Pseudomonas syringae isolates of diverse origins. von Bodman SB, et al. **Plasmid** 1987 May;17(3):240–7

Organization and nucleotide sequence determination of a gene cluster involved in 3–chlorocatechol degradation. Frantz B, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4460–4

Expression of the regulatory gene xylS on the TOL plasmid is positively controlled by the xylR gene product. Inouye S, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5182–6

Identification and purification of a bacterial ice–nucleation protein. Wolber PK, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7256–60

Redesigning metabolic routes: manipulation of TOL plasmid pathway for catabolism of alkylbenzoates. Ramos JL, et al. **Science** 1987 Jan 30;235(4788):593–6

[Comparative analysis of the organization of the NPL–1 plasmid controlling naphthalene oxidation in Pseudomonas putida and its derivatives] Kosheleva IA, et al. **Genetika** 1986 Oct;22(10):2389–97 (Eng. Abstr.) **(Rus)**

[Nah–genes of Pseudomonas putida: molecular genetic analysis of the plasmid pBS286] Tsoi TV, et al.

Genetika 1986 Nov;22(11):2702–12 (Eng. Abstr.) **(Rus)**

[Hybrid plasmid pBS251 containing genes for n-alkane degradation] Andreeva AL, et al.
Mol Gen Mikrobiol Virusol 1985 Nov;(11):11–6 (Eng. Abstr.) **(Rus)**

[Spontaneous genetic transformation in Pseudomonas pseudomallei] Bulantsev AL, et al.
Mol Gen Mikrobiol Virusol 1985 Sep;(9):11–5 (Eng. Abstr.) **(Rus)**

[Conjugative R-plasmid of facultative methylotrophic bacteria Pseudomonas sp. M] Zheldakova RA, et al.
Mol Gen Mikrobiol Virusol 1985 Jan;(1):22–5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Quantum thermodynamics approach to phosphorylation and heterotrophic growth yields. Tran VD.
Can J Microbiol 1987 Apr;33(4):290–9

Growth of lipolytic psychrotrophic pseudomonads in raw and ultra-heat-treated milk. Shelley AW, et al.
J Appl Bacteriol 1986 Nov;61(5):395–400

Flagella of a plant-growth-stimulating Pseudomonas fluorescens strain are required for colonization of potato roots. De Weger LA, et al. **J Bacteriol** 1987 Jun; 169(6):2769–73

Adaptation of Pseudomonas putida mt-2 to growth on aromatic amines. McClure NC, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2209–18

Bacteriological examinations of drinking water in the district of Melut (Upper Nile Province) South Sudan. Mascher F.
J Hyg Epidemiol Microbiol Immunol 1987;31(1):23–30

[Effect of pollution of sea and river water by diesel fuel products on the growth of certain species of bacteria] Alton LV. **Gig San!t** 1986 Sep;(9):75–7 **(Rus)**

IMMUNOLOGY

Synthesis of the tetrasaccharide repeating-unit of the lipopolysaccharide isolated from Pseudomonas maltophilia. Lipták A, et al. **Carbohydr Res** 1986 Aug 1;150:187–97

Hemagglutinating activity in phytopathogenic bacteria surface compounds. Serra MT, et al. **J Basic Microbiol** 1987;27(3):147–53

[Serological diagnosis of anti-Pseudomonas, anti-Klebsiella and anti-E. coli antibody by ELISA] Kohno S, et al.
Kansenshogaku Zasshi 1986 Aug;60(8):811–23 (Eng. Abstr.) **(Jpn)**

[Experimental and theoretical conformation analysis of the O-antigenic polysaccharide from Pseudomonas cepacia strain 3181. I. Disaccharide links] Lipkind GM, et al.
Bioorg Khim 1986 Jun;12(6):771–9 (Eng. Abstr.) **(Rus)**

[Experimental and theoretical conformation analysis of the O-antigenic polysaccharide from Pseudomonas cepacia strain 3181. II. The polysaccharide] Lipkind GM, et al.
Bioorg Khim 1986 Jun;12(6):780–8 (Eng. Abstr.) **(Rus)**

[Possibilities of expanding the raw material base for obtaining immunologic preparations from donors' blood]
Fedorovskaia EA, et al. **Gematol Transfuziol** 1987 Mar; 32(3):56–7 **(Rus)**

ISOLATION & PURIFICATION

Pseudomonas cepacia: decrease in colonization in patients with cystic fibrosis. Thomassen MJ, et al.
Am Rev Respir Dis 1986 Oct;134(4):669–71

A new selective medium for isolating Pseudomonas spp. from water. Krueger CL, et al. **Appl Environ Microbiol** 1987 Apr;53(4):895–7

Antibiotic-resistant Pseudomonas in bottled drinking water. Hernandez Duquino H, et al. **Can J Microbiol** 1987 Apr; 33(4):286–9

Colonization of the respiratory tract with Pseudomonas cepacia in cystic fibrosis. Risk factors and outcomes. Tablan OC, et al. **Chest** 1987 Apr;91(4):527–32

Comparison of two selective media developed to isolate Pseudomonas cepacia from patients with cystic fibrosis. Black-Payne C, et al. **Diagn Microbiol Infect Dis** 1987 Apr; 6(4):277–82

The identification of Pseudomonas cepacia and its occurrence in clinical material. Holmes B. **J Appl Bacteriol** 1986 Oct; 61(4):299–314

Laboratory proficiency test results on use of selective media for isolating Pseudomonas cepacia from simulated sputum specimens of patients with cystic fibrosis. Tablan OC, et al. **J Clin Microbiol** 1987 Mar;25(3):485–7

Potential hazard from spray cleaning of floors in hospital wards. Medcraft JW, et al. **J Hosp Infect** 1987 Mar; 9(2):151–7

Pseudomonas cepacia—fatal pulmonary infection in a patient with cystic fibrosis. Glass S, et al. **J Infect** 1986 Sep; 13(2):157–8

Pseudomonas species contamination of cystic fibrosis patients' home inhalation equipment. Pitchford KC, et al.
J Pediatr 1987 Aug;111(2):212–6

Pseudomonas stutzeri: an unusual cause of calcaneal Pseudomonas osteomyelitis. Rowley AH, et al.
Pediatr Infect Dis J 1987 Mar;6(3):296–7

Pseudomonas testosteroni infections: eighteen recent cases and a review of the literature. Barbaro DJ, et al.
Rev Infect Dis 1987 Jan-Feb;9(1):124–9

[Bacteriological study on autopsy cases with hematological malignancies, particularly the increased isolation of fungus and gram-positive cocci] Moriuchi Y, et al.
Rinsho Ketsueki 1986 Nov;27(11):2085–93 (Eng. Abstr.) **(Jpn)**

[A method of isolating Pseudomonas maltophilia from clinical specimens] Tiurin MV, et al. **Lab Delo** 1986;(12):748–51 (Eng. Abstr.) **(Rus)**

METABOLISM

High affinity protein-binding and enzyme-inducing activity of methyltrienolone in Pseudomonas testosteroni. Pousette A, et al. **Acta Chem Scand [B]** 1986 Aug;40(7):515–21

Denitrification by a marine bacterium Pseudomonas nautica strain 617. Bonin P, et al. **Ann Inst Pasteur Microbiol** 1987 May-Jun;138(3):371–83

Role of porins in intrinsic antibiotic resistance of Pseudomonas cepacia. Parr TR Jr, et al.
Antimicrob Agents Chemother 1987 Jan;31(1):121–3

Oxygen limitation on L-serine production in a hollow-fiber bioreactor. Klier J, et al. **Appl Biochem Biotechnol** 1986 Dec;13(3):181–7

Comparative analysis of different Pseudomonas strains that degrade cinnamic acid. Andreoni V, et al.
Appl Environ Microbiol 1986 Oct;52(4):930–4

Solid-state 13C nuclear magnetic resonance spectroscopy of simultaneously metabolized acetate and phenol in a soil Pseudomonas sp. Heiman AS, et al.
Appl Environ Microbiol 1987 Jan;53(1):156–62

Bacterial communities degrading amino- and hydroxynaphthalene-2-sulfonates. Nörtemann B, et al.
Appl Environ Microbiol 1986 Nov;52(5):1195–202

Degradation of 1,4-dichlorobenzene by a Pseudomonas sp. Spain JC, et al. **Appl Environ Microbiol** 1987 May; 53(5):1010–9

Role of dissolution rate and solubility in biodegradation of aromatic compounds. Stucki G, et al.
Appl Environ Microbiol 1987 Feb;53(2):292–7

Biodegradation of polyethylene glycol by symbiotic mixed culture (obligate mutualism). Kawai F, et al.
Arch Microbiol 1986 Nov;146(2):125–9

Microbial metabolism of chlorosalicylates: effect of prolonged subcultivation on constructed strains. Rubio MA, et al. **Arch Microbiol** 1986 Jul;145(2):123–5

Microbial metabolism of chlorosalicylates: accelerated evolution by natural genetic exchange. Rubio MA, et al.
Arch Microbiol 1986 Jul;145(2):116–22

The production and release of an extracellular polysaccharide during starvation of a marine Pseudomonas sp. and the effect thereof on adhesion. Wrangstadh M, et al.
Arch Microbiol 1986 Aug;145(3):220–7

L-malate transport and proton symport in vesicles prepared from Pseudomonas putida. Agbanyo FR, et al.
Biochem Cell Biol 1986 Nov;64(11):1190–4

Pseudomonas mutant strains that accumulate androstane and seco-androstane intermediates from bile acids. Leppik RA, et al. **Biochem J** 1987 Apr 1;243(1):15–21

Crystal structure of substrate-free Pseudomonas putida cytochrome P-450. Poulos TL, et al. **Biochemistry** 1986 Sep 9;25(18):5314–22

Oxidative pathway after reduction of p-aminoazobenzene by Pseudomonas cepacia. Idaka E, et al.
Bull Environ Contam Toxicol 1987 Jul;39(1):108–13

Reductive metabolism of aminoazobenzenes by Pseudomonas cepacia. Idaka E, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):100–7

Persistence of phorate in different soils with and without amendments and its degradation by a Pseudomonas sp. Venkatramesh M, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):381–7

Phosphate-selective porins from the outer membranes of fluorescent Pseudomonas sp. Poole K, et al.
Can J Microbiol 1987 Jan;33(1):63–9

Bacterial adhesion in human upper gastrointestinal tract. Cerf M, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):285–91

Studies on lipoxygenase inhibitors. II. KF8940 (2-n-heptyl-4-hydroxyquinoline-N-oxide), a potent and selective inhibitor of 5-lipoxygenase, produced by Pseudomonas methanica. Kitamura S, et al.
J Antibiot (Tokyo) 1986 Aug;39(8):1160–6

Production of fosfomycin (phosphonomycin) by Pseudomonas syringae. Shoji J, et al.
J Antibiot (Tokyo) 1986 Jul;39(7):1011–2

Microbial decomposition of salinomycin. Vértesy L, et al.
J Antibiot (Tokyo) 1987 Mar;40(3):388–90

Volatile compounds produced by meat pseudomonads and relate reference strains during growth on beef stored in air at chill temperatures. Edwards RA, et al.
J Appl Bacteriol 1987 May;62(5):403–12

Cytokinin production by Agrobacterium and Pseudomonas spp. Akiyoshi DE, et al. **J Bacteriol** 1987 Sep;169(9):4242–8

Outer membrane protein mediating iron uptake via pyoverdinpss, the fluorescent siderophore produced by Pseudomonas syringae pv. syringae. Cody YS, et al.
J Bacteriol 1987 May;169(5):2207–14

Recruitment of naphthalene dissimilatory enzymes for the oxidation of 1,4-dichloronaphthalene to 3,6-dichlorosalicylate, a precursor for the herbicide dicamba. Durham DR, et al. **J Bacteriol** 1987 Jun; 169(6):2889–92

Characterization of a plasmid-specified pathway for catabolism of isopropylbenzene in Pseudomonas putida RE204. Eaton RW, et al. **J Bacteriol** 1986 Oct; 168(1):123–31

Glyphosate catabolism by Pseudomonas sp. strain PG2982. Shinabarger DL, et al. **J Bacteriol** 1986 Nov;168(2):702–7

The methylamine oxidizing system of Pseudomonas AM1 reconstituted with purified components. Fukumori Y, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):441–5

Effect of oxygen limitation on the formation of the electron transport system of the phytopathogenic fluorescent bacterium Pseudomonas cichorii. Zannoni D.
J Bioenerg Biomembr 1986 Dec;18(6):461–70

Direct measurement of poly(beta-hydroxybutyrate) in a pseudomonad by solid-state 13C NMR. Jacob GS, et al.
J Biol Chem 1986 Dec 25;261(36):16785–7

Solid-state NMR studies of regulation of N-(phosphonomethyl)glycine and glycine metabolism in Pseudomonas sp. strain PG2982. Jacob GS, et al.
J Biol Chem 1987 Feb 5;262(4):1552–7

Degradation of glyphosate by Pseudomonas sp. PG2982 via a sarcosine intermediate. Kishore GM, et al.
J Biol Chem 1987 Sep 5;262(25):12164–8

One-electron reduction of the oxyform of 2,4-diacetyldeuterocytochrome P-450cam. Kobayashi K, et al. **J Biol Chem** 1987 Apr 25;262(12):5445–7

A comparative study of the biodegradation of the surfactant sodium dodecyltriethoxy sulphate by four detergent-degrading bacteria. Hales SG, et al.
J Gen Microbiol 1986 Apr;132 (Pt 4):953–61

Gold-resistant bacteria: excretion of a cystine-rich protein by Pseudomonas cepacia induced by an antiarthritic drug. Higham DP, et al. **J Inorg Biochem** 1986 Oct-Nov; 28(2-3):253–61

A competitive immunosorbent assay for detection of Pseudomonas pseudomallei exotoxin. Ismail G, et al.
J Med Microbiol 1987 Jun;23(4):353–7

Utilization of pyrimidines and pyrimidine analogues by fluorescent pseudomonads. West TP, et al. **Microbios** 1986; 47(192-193):149–57

Altered effector specificities in regulators of gene expression: TOL plasmid xylS mutants and their use to engineer expansion of the range of aromatics degraded by bacteria. Ramos JL, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8467–71

Production of tetrodotoxin and its derivatives by Pseudomonas sp. isolated from the skin of a pufferfish. Yotsu M, et al. **Toxicon** 1987;25(2):225–8

[Effect of the medium composition on the accumulation of 2-keto-D-gluconic acid in Pseudomonas putida cultures] Voloshenko MI, et al. **Prikl Biokhim Mikrobiol** 1987 Mar-Apr;23(2):199–203 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Pseudomonas putida. Newly recognized pathogen in patients with cancer. Anaissie E, et al. **Am J Med** 1987 Jun; 82(6):1191–4

[Biological characteristics of Pseudomonas species with implications in human pathology] Meitert E, et al.
Rev Ig [Bacteriol] 1986 Jul-Sep;31(3):219–34 (Eng. Abstr.) **(Rum)**

PHYSIOLOGY

Pseudomonas attachment to new hydrogel contact lenses. Duran JA, et al. **Arch Ophthalmol** 1987 Jan;105(1):106–9

Membrane fusion in prokaryotes: bacteriophage phi 6 membrane fuses with the Pseudomonas syringae outer membrane. Bamford DH, et al. **EMBO J** 1987 May; 6(5):1467–73

Alcohol loss arising from microbial contamination of drivers' blood specimens. Dick GL, et al. **Forensic Sci Int** 1987 May-Jun;34(1-2):17–27

[Effect of high doses of liquid swine dung on the viability of bacteria of the genus Pseudomonas in sea and river water] Alton LV. **Gig Sanit** 1987 Jan;(1):66–8 **(Rus)**

RADIATION EFFECTS

Inactivation of phage by near-ultraviolet radiation and hydrogen peroxide. Eisenstark A, et al.
Photochem Photobiol 1986 Nov;44(5):603–6

PSEUDOMONAS AERUGINOSA

In-111 Pseudomonas aeruginosa: a simple method of labeling live bacteria with a gamma-emitting radioisotope. Bettin K, et al. **Eur J Nucl Med** 1986;12(5–6):277–9

Characterization of a protein from normal human polymorphonuclear leukocytes with bactericidal activity against Pseudomonas aeruginosa. Hovde CJ, et al.
Infect Immun 1986 Oct;54(1):142–8

[Pseudomonas aeruginosa as a pathogen in opportunistic infections] Dalhoff A. **Infection** 1987;15 Suppl 2:S60–3 (Eng. Abstr.) **(Ger)**

[Isolation of different variants of Pseudomonas aeruginosa anatoxin and their characteristics] Brodinova NS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1987 Mar;(3):6–12 (Eng. Abstr.) **(Rus)**

ANALYSIS

Distribution of porin and lipopolysaccharide antigens on a Pseudomonas aeruginosa permeability mutant. Godfrey AJ, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):802–5

Isolation and identification of uridine(5')-diphospho(1)-2,3-diacetamido-2,3-dideoxy-alpha-D- glucopyra nuronic acid from Pseudomonas aeruginosa P1-III. Okuda S, et al. **Biochem J** 1986 Nov

1;239(3):733–8
The pH and redox-state dependence of the copper site in azurin from Pseudomonas aeruginosa as studied by EXAFS. Groeneveld CM, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):214–27
Characterization of a polysaccharide component of lipopolysaccharide from Pseudomonas aeruginosa IID 1008 (ATCC 27584) as D-rhamnan. Yokota S, et al. **Eur J Biochem** 1987 Sep 1;167(2):203–9
Bacterial ciliostatic factors; effect on respiratory cilia. Hingley ST, et al. **Eur J Respir Dis [Suppl]** 1986;146:291–3
Radiolabelling of penicillin-binding proteins (PBPs) in intact Pseudomonas aeruginosa cells: consequences of beta-lactamase activity by PBP-5. Livermore DM. **J Antimicrob Chemother** 1987 Jun;19(6):733–42
Separation and quantitation of bacterial ribonucleoside triphosphates extracted with trifluoroacetic acid, by anion-exchange high-performance liquid chromatography. Dutta PK, et al. **J Chromatogr** 1987 Jan 9;385:119–24
Studies on the mechanism of T cell inhibition by the Pseudomonas aeruginosa phenazine pigment pyocyanine. Nutman J, et al. **J Immunol** 1987 May 15;138(10):3481–7
Rhamnolipid of Pseudomonas aeruginosa in sputum of cystic fibrosis patients [letter] Kownatzki R, et al. **Lancet** 1987 May 2;1(8540):1026–7

CLASSIFICATION

Serotyping of Pseudomonas aeruginosa strains isolated in Bulgaria using the Lányi-Bergan combined scheme. Pencheva P. **Acta Microbiol Hung** 1986;33(4):345–9
Changes in serotype caused by cell to cell contact between different Pseudomonas aeruginosa strains from cystic fibrosis patients. Ojeniyi B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Feb; 95(1):23–7
Characterization by pyocine typing and serotyping of oral and sputum strains of Pseudomonas aeruginosa isolated from cystic fibrosis patients. Komiyama K, et al. **Can J Microbiol** 1987 Mar;33(3):221–5
Infections caused by Pseudomonas aeruginosa: relatively frequent isolation of serogroup 12 from clinical specimens. Giammanco A, et al. **Eur J Epidemiol** 1985 Jun;1(2):104–9
Comparison of the Chinese schema and the International Antigenic Typing System for serotyping Pseudomonas aeruginosa. Liu PV. **J Clin Microbiol** 1987 May;25(5):824–6
Improved, computer-generated system for pyocin typing of Pseudomonas aeruginosa [published erratum appears in J Clin Microbiol 1987 Feb;25(2):466] Schable B, et al. **J Clin Microbiol** 1986 Dec;24(6):1017–22
Characterization and use of a DNA probe as an epidemiological marker for Pseudomonas aeruginosa. Ogle JW, et al. **J Infect Dis** 1987 Jan;155(1):119–26
Pyocin types of clinical strains of Pseudomonas aeruginosa isolated in Morelia, México (1980–1984). Cervantes Vega C, et al. **Rev Latinoam Microbiol** 1986 Oct–Dec; 28(4):287–91
O-serotypes of Pseudomonas aeruginosa from animal and inanimate sources in Saudi Arabia. Barbour EK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):400–6
[Screening and identification of hybridomas producing monoclonal antibodies against Pseudomonas aeruginosa strain PA II 10117 and strain PA IV 10119] Ye DN, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):119–21 (Eng. Abstr.) **(Chi)**
[Serotype and antibiotic susceptibility of Staphylococcus aureus and Pseudomonas aeruginosa isolated from burn patients, with special reference to hospital infection] Nakashio S, et al. **Kansenshogaku Zasshi** 1986 Mar; 60(3):222–30 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Analysis of the interaction between piperacillin and ciprofloxacin or tobramycin against thirteen strains of Pseudomonas aeruginosa, using killing curves. Fuursted K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Jun; 95(3):193–7
Population analysis of susceptibility to ciprofloxacin and nalidixic acid in Staphylococcus, Pseudomonas aeruginosa, and Enterobacteriaceae. Sørgaard P, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):351–6
Characterization of impermeability variants of Pseudomonas aeruginosa isolated during unsuccessful therapy of experimental endocarditis. Bayer AS, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):70–5
Role of beta-lactamase in in vivo development of ceftazidime resistance in experimental Pseudomonas aeruginosa endocarditis. Bayer AS, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):253–8
Serum bactericidal rate as measure of antibiotic interactions. Briceland LL, et al. **Antimicrob Agents Chemother** 1987 May;31(5):679–85
Imipenem resistance in Pseudomonas aeruginosa resulting from diminished expression of an outer membrane protein. Büscher KH, et al. **Antimicrob Agents Chemother** 1987 May;31(5):703–8
Synergism of the combinations of imipenem plus ciprofloxacin and imipenem plus amikacin against Pseudomonas aeruginosa and other bacterial pathogens. Bustamante CI, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):632–4
Susceptibility of cephalothin-resistant gram-negative bacilli to piperacillin, cefuroxime, and other selected antibiotics. George WL, et al. **Antimicrob Agents Chemother** 1978 Mar; 13(3):484–9
Ciprofloxacin interactions with imipenem and amikacin against multiresistant Pseudomonas aeruginosa. Giamarellou H, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):959–61
Mutations producing resistance to norfloxacin in Pseudomonas aeruginosa. Hirai K, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):582–6
Susceptibility of lipopolysaccharide-defective mutants of Pseudomonas aeruginosa strain PAO to dyes, detergents, and antibiotics. Kropinski AM, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):494–9
Early effects of beta-lactams on aminoglycoside uptake, bactericidal rates, and turbidimetrically measured growth inhibition in Pseudomonas aeruginosa. Miller MH, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):108–10
Effect of clavulanic acid on the activity of ticarcillin against Pseudomonas aeruginosa. Tausk F, et al. **Antimicrob Agents Chemother** 1986 Oct;30(4):584–9
Comparative in vitro activities of SCE-129, sulbenicillin, gentamicin, and dibekacin against Pseudomonas. Tsuchiya K, et al. **Antimicrob Agents Chemother** 1978 Mar; 13(3):536–9
Activity of ciprofloxacin against multiply resistant strains of Pseudomonas aeruginosa, Staphylococcus epidermidis, and group JK corynebacteria. Venezio FR, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):940–1
Antibiotic susceptibility of clinical isolates of Pseudomonas aeruginosa. Cervantes-Vega C, et al. **Antonie Van Leeuwenhoek** 1986;52(4):319–24
Reversible inhibition of flagella formation after specific inhibition of spermidine synthesis by dicyclohexylamine in Pseudomonas aeruginosa. Paulin L, et al. **Antonie Van Leeuwenhoek** 1986;52(6):483–90
Bacterial antibiotic resistance before and after clinical application in the United States. Barry AL, et al. **Bull NY Acad Med** 1987 Apr;63(3):217–30 (23 ref.)
Antibiotic resistance: a local hospital or community problem. File TM Jr, et al. **Bull NY Acad Med** 1987 Apr;63(3):231–6
Emerging microorganisms in cystic fibrosis. Fabbri A, et al. **Chemioterapia** 1987 Feb;6(1):32–7
Synergy of imipenem--a novel carbapenem, and rifampin and ciprofloxacin against Pseudomonas aeruginosa, Serratia marcescens and Enterobacter species. Chin NX, et al. **Chemotherapy** 1987;33(3):183–8
In vitro activity of aryl fluoroquinolones, Abbott 56619 and Abbott 56620, compared to ciprofloxacin, norfloxacin and beta-lactams versus multidrug-resistant Enterobacteriaceae and Pseudomonas aeruginosa. Meyer RD, et al. **Chemotherapy** 1986;32(5):425–30
Combined resistance to quinolones and beta-lactams after in vitro transfer on single drugs. Mouton RP, et al. **Chemotherapy** 1987;33(3):189–96
In vitro activity of piperacillin, ticarcillin, mezlocillin, ticarcillin-clavulanic acid, aztreonam, ceftazidime, azlocillin, cefoperazone, and thienamycin against Pseudomonas aeruginosa. Greenberg RN, et al. **Clin Ther** 1986;8(6):655–7
Determination of synergy by two methods with eight antimicrobial combinations against tobramycin-susceptible and tobramycin-resistant strains of Pseudomonas. Chan EL, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):157–64
Mixed morphotype susceptibility testing of Pseudomonas aeruginosa from patients with cystic fibrosis. Dunne WM Jr, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):165–70
Study of in vitro selected resistance of Pseudomonas aeruginosa to cefoperazone, ceftazidime, azthreonam and imipenem. Van der Auwera P, et al. **Drugs Exp Clin Res** 1986;12(11):871–83
Post-antibiotic effect of ciprofloxacin on Pseudomonas aeruginosa. Fuursted K. **Eur J Clin Microbiol** 1987 Jun; 6(3):271–4
Resistant strains of Pseudomonas aeruginosa isolated after exposure to several beta-lactam antibiotics. Hoekstra JL, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):22–7
In vitro activity of new antimicrobial agents against Pseudomonas aeruginosa isolates from cystic fibrosis patients [letter] Horrevorts AM. **Eur J Clin Microbiol** 1987 Jun;6(3):323–4
Importance of carbenicillin and gentamicin cross-resistant serotype 0:12 Pseudomonas aeruginosa in six Athens hospitals. Legakis NJ, et al. **Eur J Clin Microbiol** 1987 Jun; 6(3):300–3
Lack of cross-resistance between imipenem and other beta-lactam antibiotics for Pseudomonas aeruginosa [letter] Opferkuch W, et al. **Eur J Clin Microbiol** 1987 Jun; 6(3):330–2
Bacterial resistance after in vitro exposure to amikacin and netilmicin. van de Klundert JA, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):456–8
N-acetylcysteine and 2-mercaptoethane sulphonate inhibit anti-pseudomonas activity of antibiotics in vitro. Alfredsson H, et al. **Eur J Respir Dis** 1987 Apr;70(4):213–7
Emergence of ciprofloxacin-resistant Pseudomonas aeruginosa after combined therapy with ciprofloxacin and amikacin [letter] Azadian BS, et al. **J Antimicrob Chemother** 1986 Dec;18(6):771
In-vitro antimicrobial activity of enoxacin in combination with eight other antibiotics against Pseudomonas aeruginosa, Enterobacteriaceae and Staphylococcus aureus. Baltch AL, et al. **J Antimicrob Chemother** 1987 Jan; 19(1):45–8
Sub MIC levels of cefoxitin and imipenem affect disc diffusion zone diameters to cefotaxime, ceftazidime, piperacillin and imipenem for Pseudomonas aeruginosa [letter] Brorson JE, et al. **J Antimicrob Chemother** 1986 Aug;18(2):287–9
Resistance of Pseudomonas aeruginosa to imipenem is independent of beta-lactamase production [letter] Büscher KH, et al. **J Antimicrob Chemother** 1987 May;19(5):700–1
Comparison of the activity of antibiotic combinations in vitro with clinical outcome and resistance emergence in serious infection by Pseudomonas aeruginosa in non-neutropenic patients. Chandrasekar PH, et al. **J Antimicrob Chemother** 1987 Mar;19(3):321–9
Survey of resistance of Pseudomonas aeruginosa to aminoglycosides and beta-lactam antibiotics in the Netherlands. De Neeling AJ, et al. **J Antimicrob Chemother** 1987 May;19(5):703–6
In-vitro study of the activity of ciprofloxacin combined with amikacin or ceftazidime against Pseudomonas aeruginosa [letter] Farrag NN, et al. **J Antimicrob Chemother** 1986 Dec;18(6):770
The effect of sublethal concentrations of aminoglycosides on adherence of Pseudomonas aeruginosa to hamster tracheal epithelium. Geers TA, et al. **J Antimicrob Chemother** 1987 May;19(5):561–8
Intrinsic antibiotic resistance of Pseudomonas aeruginosa. Hancock RE. **J Antimicrob Chemother** 1986 Dec; 18(6):653–6
Chequerboard titrations: the influence of the composition of serial dilutions of antibiotics on the fractional inhibitory concentration index and fractional bactericidal concentration index. Horrevorts AM, et al. **J Antimicrob Chemother** 1987 Jan;19(1):119–25
Imipenem and ceftazidime resistance in Pseudomonas aeruginosa and Klebsiella pneumoniae [letter] Knothe H, et al. **J Antimicrob Chemother** 1987 Jan;19(1):136–8
Interaction of rifampicin or rifapentine with other agents against Pseudomonas aeruginosa [letter] Korvick J, et al. **J Antimicrob Chemother** 1987 Jun;19(6):847–8
Membrane-disorganizing property of polymyxin B nonapeptide. Lam C, et al. **J Antimicrob Chemother** 1986 Jul;18(1):9–15
'Covalent trapping' and latamoxef resistance in beta-lactamase-derepressed Pseudomonas aeruginosa. Livermore DM. **J Antimicrob Chemother** 1987 Jul; 20(1):7–13
The postantibiotic effect of imipenem [letter] Manek N, et al. **J Antimicrob Chemother** 1986 Nov;18(5):641
Susceptibility of Pseudomonas aeruginosa strains isolated from hospitalized children. Patzer J, et al. **J Antimicrob Chemother** 1986 Jul;18(1):45–9
Emergence of ceftriaxone-resistant strains of Pseudomonas aeruginosa in cystic fibrosis patients. Paull A, et al. **J Antimicrob Chemother** 1986 Nov;18(5):635–9
In-vitro susceptibility of Pseudomonas species to fifteen antimicrobial agents. Rolston KV, et al. **J Antimicrob Chemother** 1987 Feb;19(2):193–6
Synergistic resistance mechanisms in Pseudomonas aeruginosa. Stratton CW, et al. **J Antimicrob Chemother** 1987 Apr;19(4):413–6
Beta-lactamase induction and aminoglycoside susceptibility in Pseudomonas aeruginosa. Stratton CW, et al. **J Antimicrob Chemother** 1987 Jan;19(1):21–5
Effects of subminimal inhibitory concentrations of antibiotics on the adherence of Pseudomonas aeruginosa to tracheobronchial mucin. Vishwanath S, et al. **J Antimicrob Chemother** 1987 May;19(5):579–83
Antibacterial properties of imipenem with special reference to the activity against methicillin-resistant staphylococci, cefotaxime-resistant Enterobacteriaceae and Pseudomonas aeruginosa. Vurma-Rapp U, et al. **J Antimicrob Chemother** 1986 Dec;18 Suppl E:27–33
Bactericidal activity of ciprofloxacin alone and in combination with azlocillin in an in-vitro capillary model. Zinner SH, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:49–54
Quality control limits for microdilution susceptibility tests with norfloxacin. Barry AL, et al. **J Clin Microbiol** 1987 Jan;25(1):165–6
Comparison of the AMS gram-negative susceptibility flex panel GNS-V and agar disk diffusion for testing of Pseudomonas aeruginosa. Henry DA, et al. **J Clin Microbiol** 1987 Mar;25(3):586–7
Attempted reduction of Abbott MS-2 false-susceptible errors for cefotaxime-resistant Pseudomonas aeruginosa by medium modification. Lander DW, et al. **J Clin Microbiol** 1987 Apr;25(4):732–3
Ceftazidime, a broad spectrum cephalosporin with activity against Ps. aeruginosa. O'Callaghan H. **J Hyg Epidemiol Microbiol Immunol** 1986;30(4):449–53
Factors that influence the evolution of beta-lactam resistance in beta-lactamase-inducible strains of Enterobacter cloacae and Pseudomonas aeruginosa. Aronoff SC, et al. **J Infect Dis** 1987 May;155(5):936–41
Imipenem resistance in Pseudomonas aeruginosa is due to diminished expression of outer membrane proteins. Büscher KH, et al. **J Infect Dis** 1987 Oct;156(4):681–4
Development of resistance after beta-lactam therapy [letter]

Demko GM **J Infect Dis** 1987 Jun;155(6):1347

Beta-lactamase lability and inducer power of newer beta-lactam antibiotics in relation to their activity against beta-lactamase-inducibility mutants of Pseudomonas aeruginosa. Livermore DM, et al. **J Infect Dis** 1987 Apr; 155(4):775–82

Ceftazidime resistance in Pseudomonas aeruginosa: transduction by a wild-type phage [letter] Seginková Z, et al. **J Infect Dis** 1986 Dec;154(6):1049–50

Dissociation of surface properties and "intrinsic" resistance to beta lactams in Pseudomonas aeruginosa. Livermore DM, et al. **J Med Microbiol** 1986 Nov;22(3):217–24

Comparison of the antimicrobial susceptibility patterns of Pseudomonas aeruginosa isolates from two hospitals. Flournoy DJ, et al. **J Okla State Med Assoc** 1986 Dec; 79(12):906–8

In vitro activity of aminoglycosides, ureidopenicillins and cephalosporins against P. aeruginosa isolated in Kuala Lumpur. Ngeow YS, et al. **Med J Malaysia** 1985 Sep; 40(3):196–201

Occurrence of antipseudomonal beta-lactams and aminoglycosides resistance in Pseudomonas aeruginosa during therapy. Pagani L, et al. **Microbiologica** 1987 Jan; 10(1):103–10

Resistance to metals by Pseudomonas aeruginosa clinical isolates. Cervantes-Vega C, et al. **Microbios** 1986; 48(196–197):159–63

Antibiogram of Pseudomonas aeruginosa strains isolated from Zaria, Nigeria. Mathur DR, et al. **Public Health** 1985 Mar; 99(2):110–2

Effect of highly potent antipseudomonal beta-lactam agents alone and in combination with aminoglycosides against Pseudomonas aeruginosa. Lerner SA, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S678–88

Activity of cefsulodin and other agents against Pseudomonas aeruginosa. Neu HC, et al. **Rev Infect Dis** 1984 Sep–Oct; 6 Suppl 3:S667–77 (53 ref.)

Biochemical and physiologic basis for susceptibility and resistance of Pseudomonas aeruginosa to antimicrobial agents. Sabath LD. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S643–56 (136 ref.)

The emergence of resistance of Pseudomonas aeruginosa in patients treated with ceftazidime [letter] Foord RD, et al. **Scand J Infect Dis** 1987;19(1):143

Nosocomial consequences of antibiotic usage. Giamarellou H, et al. **Scand J Infect Dis [Suppl]** 1986;49:182–8

Electron microscopy of Pseudomonas aeruginosa treated with sulbenicillin and dibekacin. Aonuma S, et al. **Tohoku J Exp Med** 1987 Jun;152(2):119–28

Antibacterial effect and toxicity of synthesized salicylanilide derivatives. Ghazi IM, et al. **Zentralbl Mikrobiol** 1986; 141(3):225–32

[Sensitivity of Ps. aeruginosa to disinfectant agents] Korudzhiiski N, et al. **Vet Med Nauki** 1986;23(8):51–4 (Eng. Abstr.) **(Bul)**

[Modification of the sensitivity of Pseudomonas aeruginosa ATCC 15442 to chloroxylenol in the presence of protamine] Boussard P, et al. **J Pharm Belg** 1986 Nov–Dec; 41(6):402–5 (Eng. Abstr.) **(Fre)**

[Antibiotic resistance of Pseudomonas aeruginosa: a fact and a problem at the University Hospital Center of Cocody (Abidjan)] Aka J, et al. **Med Trop (Mars)** 1987 Jan–Mar; 47(1):53–9 (Eng. Abstr.) **(Fre)**

[Bactericidal activity of cefpiramide on P. aeruginosa using an in vitro pharmacokinetic simulation model] Drigues P, et al. **Pathol Biol (Paris)** 1986 May;34(5):431–5 (Eng. Abstr.) **(Fre)**

[Profiles of resistance to aminosides of Pseudomonas aeruginosa] Lesage D, et al. **Pathol Biol (Paris)** 1987 May; 35(5):552–7 (Eng. Abstr.) **(Fre)**

[In vitro sensitivity at 18 antibiotics of 192 strains of Pseudomonas aeruginosa isolated at Garches Hospital] Ronco E, et al. **Pathol Biol (Paris)** 1987 May;35(5):558–62 (Eng. Abstr.) **(Fre)**

[Bacteriostatic activity of azlocillin, gentamycin, amikacin singly or in combination on 200 strains of Pseudomonas aeruginosa] Texier-Maugein J, et al. **Pathol Biol (Paris)** 1986 May;34(5):415–8 (Eng. Abstr.) **(Fre)**

[Present status of the sensitivity of Pseudomonas aeruginosa to aminoglycosides in France] Thabaut A, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):621–4 (Eng. Abstr.) **(Fre)**

[In vitro study of the combination of pefloxacin with other antibiotics against Pseudomonas aeruginosa and Streptococcus group D] Zuccarelli M, et al. **Pathol Biol (Paris)** 1987 May;35(5):581–5 (Eng. Abstr.) **(Fre)**

[Value of bactericidal curves in the optimal selection of a beta-lactam–aminoglycoside combination on Pseudomonas aeruginosa. In vitro study of 40 strains of Pseudomonas aeruginosa isolated in pediatric intensive care units] Lambert-Zechovsky N, et al. **Presse Med** 1986 Dec 20; 15(46):2309–12 (Eng. Abstr.) **(Fre)**

[Imipenem resistance in Pseudomonas aeruginosa] Bauernfeind A, et al. **Immun Infekt** 1986 Nov;14(6):221–4 (Eng. Abstr.) **(Ger)**

[Characterization of imipenem resistance in Pseudomonas aeruginosa: decreased phenotypic expression of outer membrane proteins D1 and D2] Cullmann W, et al. **Immun Infekt** 1986 Nov;14(6):227–9 (Eng. Abstr.) **(Ger)**

[Development of resistance in imipenem therapy in Pseudomonas aeruginosa] Krech T, et al. **Immun Infekt** 1986 Nov;14(6):224–6 (Eng. Abstr.) **(Ger)**

[Effect of mucolytic agents on various antibiotics] Pilz U, et al. **Kinderarztl Prax** 1987 May;55(5):247–51 (Eng. Abstr.) **(Ger)**

[O-serovars and antibiotic sensitivities in strains of Pseudomonas aeruginosa of human and animal origin] Zschöck M, et al. **Zentralbl Veterinarmed [B]** 1986 Aug; 33(6):440–6 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa and Escherichia coli: reliability of antibiotic resistance results obtained by manual tests and automated and semi-automated equipment] Moretti MV, et al. **Nuovi Ann Ig Microbiol** 1985 Nov–Dec;36(6):453–64 (Eng. Abstr.) **(Ita)**

[Characterization of highly ampicillin-susceptible isolates of Pseudomonas aeruginosa] Ideda F, et al. **Kansenshogaku Zasshi** 1986 Sep;60(9):1003–9 (Eng. Abstr.) **(Jpn)**

[Study of "Sebidin A" tablets from the perspective of the effect of accelerated aging on the stability of their components and their antimicrobial activity] Kucharski S, et al. **Acta Pol Pharm** 1986;43(5):487–92 (Eng. Abstr.) **(Pol)**

[Correlation of the resistance to disinfectants and the hemeprotein level in Pseudomonas aeruginosa strains] Obojska K, et al. **Med Dosw Mikrobiol** 1987;39(1):23–32 (Eng. Abstr.) **(Pol)**

[Evaluation of the sensitivity of selected bacterial strains to cefuroxime] Pawluch D, et al. **Pol Tyg Lek** 1986 Sep 15; 41(37):1184–5 (Eng. Abstr.) **(Pol)**

[Post-antibiotic effect in the treatment of infections in neutropenic patients] Bermudez LE. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Mar–Apr; 41(2):76–9 (Eng. Abstr.) **(Por)**

[Activity of combinations of antibacterial agents on Pseudomonas aeruginosa strains] Meitert E, et al. **Rev Ig [Bacteriol]** 1986 Jul–Sep;31(3):263–74 (Eng. Abstr.) **(Rum)**

[Comparative evaluation of the antibacterial activity of aminoglycosides by means of microcalorimetry] Chernykh VM, et al. **Antibiot Med Biotekhnol** 1987 Jan;32(1):32–5 (Eng. Abstr.) **(Rus)**

[Effect of thiol-specific reagents on the activity of PaeI and PaeII restrictases from Pseudomonas aeruginosa] Sokolov NN, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):695–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Effect of Pseudomonas aeruginosa proteases on human leukocyte phagocytosis and bactericidal activity. Kharazmi A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct;94(5):175–9

Evidence for multiple forms of type I chromosomal beta-lactamase in Pseudomonas aeruginosa. Gates ML, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):453–7

Specific and sensitive plate assay for bacterial lipases. Kouker G, et al. **Appl Environ Microbiol** 1987 Jan;53(1):211–3

Arginine deiminase system and bacterial adaptation to acid environments. Marquis RE, et al. **Appl Environ Microbiol** 1987 Jan;53(1):198–200

Purification and properties of formate dehydrogenase from Pseudomonas aeruginosa. Electron-paramagnetic-resonance studies on the molybdenum centre. Gadsby PM, et al. **Biochem J** 1987 Apr 1;243(1):235–9

Electron-paramagnetic-resonance and magnetic-circular-dichroism studies on the formate dehydrogenase-nitrate reductase particle from Pseudomonas aeruginosa. Godfrey C, et al. **Biochem J** 1987 Apr 1;243(1):241–8

Purification and properties of formate dehydrogenase from Pseudomonas aeruginosa. Characterization of haem and iron-sulphur centres by magnetic-circular-dichroism and electron-paramagnetic-resonance spectroscopy. Godfrey C, et al. **Biochem J** 1987 Apr 1;243(1):225–33

Solubilization, purification and characterization of D-alanine dehydrogenase from Pseudomonas aeruginosa and effects of solubilization on its properties. Magor AM, et al. **Biochimie** 1987 Jan;69(1):63–9

Primary and quaternary structure of the catabolic ornithine carbamoyltransferase from Pseudomonas aeruginosa. Extensive sequence homology with the anabolic ornithine carbamoyltransferases of Escherichia coli. Baur H, et al. **Eur J Biochem** 1987 Jul 1;166(1):111–7

Pseudomonas aeruginosa cytochrome oxidase. Product inhibition by low thermodynamic driving force. Blatt Y, et al. **Eur J Biochem** 1986 Oct 1;160(1):149–53

Prevalence of protease and elastase production by clinical isolates of Pseudomonas aeruginosa in relation to aeruginocine typing patterns. Kapur R, et al. **Eur J Epidemiol** 1986 Sep;2(3):182–5

The amino acid sequence of the aliphatic amidase from Pseudomonas aeruginosa. Ambler RP, et al. **FEBS Lett** 1987 May 11;215(2):285–90

In vivo studies with two phospholipase C fractions from Pseudomonas aeruginosa. Berk RS, et al. **Infect Immun** 1987 Jul;55(7):1728–30

Degradation of soluble laminin and depletion of tissue-associated basement membrane laminin by Pseudomonas aeruginosa elastase and alkaline protease. Heck LW, et al. **Infect Immun** 1986 Oct;54(1):149–53

Disruption of respiratory cilia by proteases including those of Pseudomonas aeruginosa. Hingley ST, et al. **Infect Immun** 1986 Nov;54(2):379–85

Inhibition of human natural killer cell activity by Pseudomonas aeruginosa alkaline protease and elastase. Pedersen BK, et al. **Infect Immun** 1987 Apr;55(4):986–9

Purification of Pseudomonas aeruginosa exoenzyme S. Woods DE, et al. **Infect Immun** 1987 Mar;55(3):579–86

Induction of the beta-lactamases of a strain of Pseudomonas aeruginosa, Morganella morganii and Enterobacter cloacae. Farmer TH, et al. **J Antimicrob Chemother** 1987 Mar; 19(3):401–4

Rapid and automated measurement of Km and specific Vmax values of beta-lactamases in bacterial extracts. Nichols WW, et al. **J Antimicrob Chemother** 1987 Mar;19(3):285–95

Derepressed beta-lactamase synthesis in strains of Pseudomonas aeruginosa isolated from patients with cystic fibrosis. Nichols WW, et al. **J Antimicrob Chemother** 1986 Oct;18(4):549–50

Incidence of strains producing plasmid determined beta-lactamases among carbenicillin resistant Pseudomonas aeruginosa. Tirado M, et al. **J Antimicrob Chemother** 1986 Oct;18(4):453–8

Gene algD coding for GDPmannose dehydrogenase is transcriptionally activated in mucoid Pseudomonas aeruginosa. Deretic V, et al. **J Bacteriol** 1987 Jan; 169(1):351–8

Purification and properties of 2,3-dihydroxybiphenyl dioxygenase from polychlorinated biphenyl-degrading Pseudomonas pseudoalcaligenes and Pseudomonas aeruginosa carrying the cloned bphC gene [published erratum appears in J Bacteriol 1987 May;169(5):2326] Furukawa K, et al. **J Bacteriol** 1987 Feb;169(2):924–7

Alginate biosynthetic enzymes in mucoid and nonmucoid Pseudomonas aeruginosa: overproduction of phosphomannose isomerase, phosphomannomutase, and GDP-mannose pyrophosphorylase by overexpression of the phosphomannose isomerase (pmi) gene. Sá-Correia I, et al. **J Bacteriol** 1987 Jul;169(7):3224–31

Purification of extracellular lipase from Pseudomonas aeruginosa. Stuer W, et al. **J Bacteriol** 1986 Dec; 168(3):1070–4

Inactivation of human plasma serine proteinase inhibitors (serpins) by limited proteolysis of the reactive site loop with snake venom and bacterial metalloproteinases. Kress LF. **J Cell Biochem** 1986;32(1):51–8

Effects of staphylolytic enzymes from Pseudomonas aeruginosa on the growth and ultrastructure of Staphylococcus aureus. Mansito TB, et al. **Microbios** 1987; 49(198):55–64

Selective modulation of the CD4 molecular complex by Pseudomonas aeruginosa alkaline protease and elastase. Pedersen BK, et al. **Scand J Immunol** 1987 Jul;26(1):91–4

[Beta-lactamase induction in Pseudomonas aeruginosa by cefpiramide and 3 other antipyocyanic cephalosporins] Drigues P, et al. **Pathol Biol (Paris)** 1986 May;34(5):419–23 (Eng. Abstr.) **(Fre)**

[The enzymatic degradation of formaldehyde by isolates of Pseudomonas aeruginosa] Hingst V, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 May; 184(2):167–81 (Eng. Abstr.) **(Ger)**

[Epidemiologic study on the prevalence of Enterobacter, Serratia and Pseudomonas strains, producers of cefoxitin-inducible beta-lactamases] Marone P, et al. **Boll Ist Sieroter Milan** 1986;65(5):368–73 (Eng. Abstr.) **(Ita)**

[New specific endonucleases PaeI and PaeII from Pseudomonas aeruginosa] Sokolov NN, et al. **Mol Gen Mikrobiol Virusol** 1986 May;(5):24–6 (Eng. Abstr.) **(Rus)**

[Tetrathionate reductase as a diagnostic trait in identifying Pseudomonas aeruginosa] Kalina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):18–21 (Eng. Abstr.) **(Rus)**

GENETICS

The chromosome map of Pseudomonas aeruginosa PAO. Holloway BW, et al. **Acta Microbiol Pol** 1986;35(3–4):161–4 (23 ref.)

Deletions in the tetracycline resistance determinant reduce the thermosensitivity of a trfA(Ts) derivative of plasmid RP1 in Pseudomonas aeruginosa. Rella M, et al. **Ann Inst Pasteur Microbiol** 1987 Mar–Apr;138(2):151–64

Influence of R-plasmid RP1 of Pseudomonas aeruginosa on cell wall composition, drug resistance, and sensitivity to cold shock. Kenward MA, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):446–53

Diversity of determinants encoding carbenicillin, gentamicin, and tobramycin resistance in nosocomial Pseudomonas aeruginosa. Mucha DK, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):281–9

Potential for transduction of plasmids in a natural freshwater environment: effect of plasmid donor concentration and a natural microbial community on transduction in Pseudomonas aeruginosa. Saye DJ, et al. **Appl Environ Microbiol** 1987 May;53(5):987–95

Genes encoding threonine tRNAs with the anticodon CGU from Escherichia coli and Pseudomonas aeruginosa. Dalrymple B, et al. **Biochem Int** 1986 Oct;13(4):547–53

The nucleotide sequence of the amiE gene of Pseudomonas aeruginosa. Brammar WJ, et al. **FEBS Lett** 1987 May 11; 215(2):291–4

The azurin gene from Pseudomonas aeruginosa codes for a pre-protein with a signal peptide. Cloning and sequencing of the azurin gene. Canters GW. **FEBS Lett** 1987 Feb 9;

212(1):168–72
Serotype–converting bacteriophage D3 of Pseudomonas aeruginosa: vegetative and prophage restriction maps. Gertman E, et al. **Gene** 1987;52(1):51–7
Recalibration of the Pseudomonas aeruginosa strain PAO chromosome map in time units using high–frequency–of–recombination donors. O'Hoy K, et al. **Genetics** 1987 Apr;115(4):611–8
Genetic and physical mapping and expression in Pseudomonas aeruginosa of the chromosomally encoded ribulose bisphosphate carboxylase genes of Alcaligenes eutrophus. Andersen K, et al. **J Bacteriol** 1987 May; 169(5):1997–2004
Variations between the nucleotide sequences of Tn1, Tn2, and Tn3 and expression of beta–lactamase in Pseudomonas aeruginosa and Escherichia coli. Chen ST, et al. **J Bacteriol** 1987 Feb;169(2):913–6
Expression of pili from Bacteroides nodosus in Pseudomonas aeruginosa. Elleman TC, et al. **J Bacteriol** 1986 Nov; 168(2):574–80
Cloning and transcriptional regulation of the elastase lasA gene in mucoid and nonmucoid Pseudomonas aeruginosa. Goldberg JB, et al. **J Bacteriol** 1987 Mar;169(3):1349–51
Construction and characterization of Pseudomonas aeruginosa algB mutants: role of algB in high–level production of alginate. Goldberg JB, et al. **J Bacteriol** 1987 Apr;169(4):1593–602
Analysis of transcription of the exotoxin A gene of Pseudomonas aeruginosa. Grant CC, et al. **J Bacteriol** 1986 Dec;168(3):1112–9
Some properties of subunits of DNA gyrase from Pseudomonas aeruginosa PAO1 and its nalidixic acid–resistant mutant. Inoue Y, et al. **J Bacteriol** 1987 May; 169(5):2322–5
Characterization of the Pseudomonas aeruginosa recA analog and its protein product: rec–102 is a mutant allele of the P. aeruginosa PAO recA gene. Kokjohn TA, et al. **J Bacteriol** 1987 Apr;169(4):1499–508
Cloning and characterization of the c1 repressor of Pseudomonas aeruginosa bacteriophage D3: a functional analog of phage lambda cI protein. Miller RV, et al. **J Bacteriol** 1987 May;169(5):1847–52
Cloning and characterization of elastase genes from Pseudomonas aeruginosa. Schad PA, et al. **J Bacteriol** 1987 Jun;169(6):2691–6
Tn5 insertion mutants of Pseudomonas aeruginosa deficient in surface expression of ferripyochelin–binding protein. Sokol PA. **J Bacteriol** 1987 Jul;169(7):3365–8
Active site of Pseudomonas aeruginosa exotoxin A. Glutamic acid 553 is photolabeled by NAD and shows functional homology with glutamic acid 148 of diphtheria toxin. Carroll SF, et al. **J Biol Chem** 1987 Jun 25;262(18):8707–11
Nucleotide sequence and transcriptional initiation site of two Pseudomonas aeruginosa pilin genes. Johnson K, et al. **J Biol Chem** 1986 Nov 25;261(33):15703–8
The arcABC operon required for fermentative growth of Pseudomonas aeruginosa on arginine: Tn5–751–assisted cloning and localization of structural genes. Lüthi E, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2667–75
The Hfr status of Pseudomonas aeruginosa is stabilized by integrative suppression. Herrmann H, et al. **MGG** 1986 Sep; 204(3):519–23
Transformation by extracellular DNA produced by Pseudomonas aeruginosa. Muto Y, et al. **Microbiol Immunol** 1986;30(7):621–8
Pseudomonas aeruginosa infection in cystic fibrosis: nucleotide sequence and transcriptional regulation of the algD gene. Deretic V, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4567–81
A dnaB–like protein of Pseudomonas aeruginosa. Dreiseikelmann B, et al. **Nucleic Acids Res** 1987 Jan 26; 15(2):385–95
The sequence of the 6S RNA gene of Pseudomonas aeruginosa. Vogel DW, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4583–91
Host range, entry exclusion, and incompatibility of Pseudomonas aeruginosa FP plasmids. Finger J, et al. **Plasmid** 1980 May;3(3):332–42
Genetic basis of a Tn7 insertion mutation in the trfA region of the promiscuous IncP–1 plasmid R18 which affects its host range. Krishnapillai V, et al. **Plasmid** 1987 Mar; 17(2):164–6
Isolation of a temperature–sensitive derivative of RP1. Robinson MK, et al. **Plasmid** 1980 May;3(3):343–7
Interactions between the transposable element IS21 on R68.45 and TN7 in Pseudomonas aeruginosa PAO. Schurter W, et al. **Plasmid** 1987 Jan;17(1):61–4
[Genetic determinants of resistance to antibiotics in Pseudomonas bacteria] Anisimova LA, et al. **Antibiot Med Biotekhnol** 1987 May;32(5):348–53 (Eng. Abstr.) **(Rus)**
[Transfer of chromosomal genes and formation of R'–derivatives using PR4::D312cts15 plasmids in Pseudomonas aeruginosa cells] Ianenko AS, et al. **Genetika** 1986 Dec;22(12):2784–93 (Eng. Abstr.) **(Rus)**
[Cloning and characteristics of recA gene in Pseudomonas aeruginosa] Zaitsev EN, et al. **Genetika** 1986 Nov; 22(11):2721–7 (Eng. Abstr.) **(Rus)**
[Genetic determinants of resistance to streptomycin and sulfanilamides in Pseudomonas aeruginosa and enterobacteria] Anisimova LA, et al. **Mol Gen Mikrobiol Virusol** 1986 Sep;(9):3–8 (Eng. Abstr.) **(Rus)**
[Comparative study of non–conjugative R–plasmids from enterobacteria and Pseudomonas aeruginosa] Anisimova LA, et al. **Mol Gen Mikrobiol Virusol** 1985 Jun;(6):24–8 (Eng. Abstr.) **(Rus)**
[Transfecting activity of Pseudomonas aeruginosa bacteriophage SM] Gorelyshev AS, et al. **Mol Gen Mikrobiol Virusol** 1987 Jan;(1):36–9 (Eng. Abstr.) **(Rus)**
[Genetic characteristics and physical organization of the R–plasmid pBS52 with a broad range of bacterial hosts] Polevoda BV, et al. **Mol Gen Mikrobiol Virusol** 1986 Nov; (11):18–23 (Eng. Abstr.) **(Rus)**
[Cloning of the hly determinant from Pseudomonas aeruginosa strain PA–M7 in Escherichia coli cells] Sever IS, et al. **Mol Gen Mikrobiol Virusol** 1986 Mar;(3):20–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Effect of refrigeration on microbial growth in the Blairex Water Purifier. Harris MG, et al. **Am J Optom Physiol Opt** 1987 May;64(5):321–3
Differential growth characteristics and immunogenicity of tight and coasting temperature–sensitive mutants of Pseudomonas aeruginosa. Morris Hooke A, et al. **Infect Immun** 1987 Jan;55(1):99–103
Spontaneous inhibition of bacterial growth in experimental gram–negative endophthalmitis. Davey P, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):867–73
Bacterial overgrowth and mucosal changes in isolated (Thirty–Vella) ileal loops in rabbits. Effects of intraluminal antibiotics. Kern SE, et al. **Lab Invest** 1987 Sep; 57(3):336–41
Quenching of the antibacterial activity of chlorhexidine and benzalkonium by Letheen broth and Letheen agar in relation to wild–type and envelope mutant strains of gram–negative bacteria. el–Falaha BM, et al. **Microbios** 1987;49(198):31–7
[Bacterial interference with skin colonization in germfree hairless mice] Barc MC, et al. **Can J Microbiol** 1986 Sep; 32(9):751–5 (Eng. Abstr.) **(Fre)**
[Decontamination of drinking water taps colonized with Pseudomonas aeruginosa] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Oct; 182(5–6):551–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immunochemical and immunological study of cell–wall proteins of Pseudomonas aeruginosa. Stanislavsky ES, et al. **Acta Microbiol Hung** 1986;33(3):245–55
Serologic and protective cross–reactivity of antisera to Pseudomonas aeruginosa extracellular slime glycolipoprotein. Yushkova NA, et al. **Acta Microbiol Hung** 1986;33(2):147–56
Serum antibodies to Pseudomonas aeruginosa in cystic fibrosis. Brett MM, et al. **Arch Dis Child** 1986 Nov; 61(11):1114–20
The use of monoclonal antibodies in the diagnosis of partially treated Pseudomonas aeruginosa meningitis: patient report. Bermudez LE. **Braz J Med Biol Res** 1986;19(2):159–65
Somatic antigens of Pseudomonas aeruginosa. The structure of O–specific polysaccharide chains of the lipopolysaccharides from P. aeruginosa II (Sandvik) and V (IM–1, Verder–Evans). Knirel YA, et al. **Eur J Biochem** 1987 Jul 1;166(1):189–97
Somatic antigens of Pseudomonas aeruginosa. The structure of the O–specific polysaccharide chain of the lipopolysaccharide from P. aeruginosa O13 (Lányi). Knirel YA, et al. **Eur J Biochem** 1987 Mar 16;163(3):627–37
Somatic antigens of Pseudomonas aeruginosa. The structure of O–specific polysaccharide chains of the lipopolysaccharides from P. aeruginosa O5 (Lányi) and immunotype 6 (Fisher). Knirel YA, et al. **Eur J Biochem** 1987 Mar 16;163(3):639–52
Vaccine potential of Pseudomonas aeruginosa O–polysaccharide–toxin A conjugates. Cryz SJ Jr, et al. **Infect Immun** 1987 Jul;55(7):1547–51
Cross–reactions of lipopolysaccharides of Pseudomonas aeruginosa in antipneumococcal and other antisera. Heidelberger M, et al. **Infect Immun** 1986 Dec;54(3):928–30
Production and characterization of monoclonal antibodies against serotype strains of Pseudomonas aeruginosa. Lam JS, et al. **Infect Immun** 1987 May;55(5):1051–7
Polyclonal and monoclonal antibody therapy for experimental Pseudomonas aeruginosa pneumonia. Pennington JE, et al. **Infect Immun** 1986 Oct;54(1):239–44
Interaction of complement with serum–sensitive and serum–resistant strains of Pseudomonas aeruginosa. Schiller NL, et al. **Infect Immun** 1986 Dec;54(3):689–94
Visualization of Pseudomonas aeruginosa O antigens by using a protein A–dextran–colloidal gold conjugate with both immunoglobulin G and immunoglobulin M monoclonal antibodies. Lam JS, et al. **J Bacteriol** 1987 Aug; 169(8):3531–8
Combined evaluation of circulating immune complexes and antibodies to Pseudomonas aeruginosa as an immunologic profile in relation to pulmonary function in cystic fibrosis. Dasgupta MK, et al. **J Clin Immunol** 1987 Jan;7(1):51–8
Safety and immunogenicity of a Pseudomonas aeruginosa O–polysaccharide toxin A conjugate vaccine in humans. Cryz SJ Jr, et al. **J Clin Invest** 1987 Jul;80(1):51–6
Prognostic implications of circulating immune complexes and Pseudomonas aeruginosa–specific antibodies in cystic fibrosis. Dasgupta MK, et al. **J Clin Lab Immunol** 1987 May;23(1):25–30
Development of enzyme linked immunosorbent assay (ELISA) to detect antibodies to Pseudomonas aeruginosa cell surface antigens in sera of patients with cystic fibrosis. Brett MM, et al. **J Clin Pathol** 1986 Oct;39(10):1124–9
Immunoblot analysis of serological response to Pseudomonas aeruginosa septicaemia in man. Matthews RC, et al. **J Clin Pathol** 1986 Dec;39(12):1306–12
In vitro T cell–mediated killing of Pseudomonas aeruginosa. V. Generation of bactericidal T cells in nonresponder mice. Powderly WG, et al. **J Immunol** 1987 Apr 1;138(7):2272–7
Outer membrane protein F (porin) preparation of Pseudomonas aeruginosa as a protective vaccine against heterologous immunotype strains in a burned mouse model. Matthews–Greer JM, et al. **J Infect Dis** 1987 Jun; 155(6):1282–91
Passive immune therapy for experimental Pseudomonas aeruginosa pneumonia in the neutropenic host. Pennington JE, et al. **J Infect Dis** 1987 May;155(5):973–8
Surface haemagglutinating activity of Pseudomonas aeruginosa. Glick J, et al. **Microbios** 1987;50(203):69–80
Opsonophagocytic killing antibody to Pseudomonas aeruginosa mucoid exopolysaccharide in older noncolonized patients with cystic fibrosis. Pier GB, et al. **N Engl J Med** 1987 Sep 24;317(13):793–8
Antibody to multiple mucoid strains of Pseudomonas aeruginosa in patients with cystic fibrosis, measured by an enzyme–linked immunosorbent assay. Baltimore RS, et al. **Pediatr Res** 1986 Nov;20(11):1085–90
Host defense mechanisms against pneumonia due to Pseudomonas aeruginosa. Pennington JE, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S657–66
O–polysaccharide–protein conjugates induce high levels of specific antibodies to Pseudomonas aeruginosa immunotype 3 lipopolysaccharide. van de Wiel PA, et al. **Vaccine** 1987 Mar;5(1):33–8
Specific and nonspecific protection of mice by Pseudomonas aeruginosa lipopolysaccharides. Marx A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):154–62
Immunomodifying activity of some amphiphilic compounds from pathogenic Pseudomonas aeruginosa strains. Gil I, et al. **Zentralbl Mikrobiol** 1986;141(6):453–60
[Opsonophagocytic assay of monoclonal antibodies against Pseudomonas aeruginosa group I strain PA10115] Ye DN, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Sep; 17(3):173–5 (Eng. Abstr.) **(Chi)**
[Experiences with a Pseudomonas immunoglobulin in ventilated patients with Pseudomonas pneumonia in a surgical intensive care station] Böhm D. **Infection** 1987;15 Suppl 2:S64–6 (Eng. Abstr.) **(Ger)**
[Use of pseudomonas immunoglobulin in ventilated patients at an interdisciplinary surgical intensive care station] Class I, et al. **Infection** 1987;15 Suppl 2:S67–70 (Eng. Abstr.) **(Ger)**
[Prevention of gram–negative and gram–positive infections with 3 intravenous immunoglobulin preparates and therapy of experimental polymicrobial burn infection with intravenous Pseudomonas immunoglobulin G and ciprofloxacin in an animal model] Collins MS, et al. **Infection** 1987;15 Suppl 2:S51–9 (Eng. Abstr.) **(Ger)**
[Effect of Pseudomonas immunoglobulin on the antibacterial activity of human phagocytes] Just HM, et al. **Infection** 1987 Jan–Feb;15(1):51–5 (Eng. Abstr.) **(Ger)**
[Effect of Pseudomonas immunoglobulin on the antibacterial activity of human phagocytes] Just HM, et al. **Infection** 1987;15 Suppl 2:S42–6 (Eng. Abstr.) **(Ger)**
[Pseudomonas aeruginosa immunoglobulin in experimental pneumonia] Pennington JE, et al. **Infection** 1987;15 Suppl 2:S47–50 (Eng. Abstr.) **(Ger)**
[Pseudomonas immunoglobulin prophylaxis in patients with burn injuries] Stuttmann R, et al. **Infection** 1987;15 Suppl 2:S71–5 (Eng. Abstr.) **(Ger)**
[Antibody titers in the serum of patients vaccinated with the multicomponent vaccine consisting of toxoids of protease, elastase and a common protective antigen (OEP)] Yamamoto M, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1178–83 (Eng. Abstr.) **(Jpn)**
[Use of Pseudomonas aeruginosa multicomponent vaccine in patients with intractable lower respiratory tract infection associated with diffuse panbronchiolitis] Yoshimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):625–32 (Eng. Abstr.) **(Jpn)**
[Chemical components of pathogens and the mechanism of their virulence: Pseudomonas aeruginosa vaccine] Homma Y, et al. **Nippon Rinsho** 1986 Sep;44(9):2016–21 **(Jpn)**
[Results of using a polyvalent vaccine against Pseudomonas aeruginosa in patients with burns treated at various therapeutic centers in Poland] Bukowska D, et al. **Pol Tyg Lek** 1986 Dec 8;41(49):1549–52 (Eng. Abstr.) **(Pol)**
[Treatment of an infection due to the intraperitoneal inoculation of mice with Pseudomonas aeruginosa with tobramycin and hyperimmune Pseudomonas aeruginosa plasma used per se and in combination] Minukhin VV, et al. **Antibiot Med Biotekhnol** 1986 Oct;31(10):778–81 (Eng. Abstr.) **(Rus)**
[Antigenic polysaccharides of bacteria. 21. The structure of O–specific polysaccharide chains and serological specificity

of lipopolysaccharides from 7 Pseudomonas aeruginosa immunotypes] Knirel' IuA, et al. **Bioorg Khim** 1987 Jan; 13(1):88–96 (Eng. Abstr.) **(Rus)**

[Identification of 3-acetamidino-2-acetamido-2,3-dideoxy-L-guluronic acid in lipopolysaccharide from Pseudomonas aeruginosa immunotype 7] Knirel' IuA, et al. **Bioorg Khim** 1986 Jul; 12(7):992–4 (Eng. Abstr.) **(Rus)**

[The structure of O-specific polysaccharide of Pseudomonas aeruginosa immunotype 3; revision of the structure of acetoamidine derivative of 2,3-diamino-2,3-dideoxy-D-mannuronic acid] Knirel' IuA, et al. **Bioorg Khim** 1986 Jul;12(7):995–7 (Eng. Abstr.) **(Rus)**

[The structure of O-specific polysaccharide from Pseudomonas aeruginosa 013 containing 5,7-diacetoamido-3,5,7,9-tetradeoxy-D-glycero-L-galacto-nonulosonic acid and 2-acetamidino-2,6-dideoxy-L-galactose] Knirel' IuA, et al. **Bioorg Khim** !986 Jun;12(6):848–51 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 17. The structure of O-specific polysaccharide chain of Pseudomonas aeruginosa X (Meitert) lipopolysaccharide] Knirel' IUA, et al. **Bioorg Khim** 1986 Sep;12(9):1268–73 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 16. The structure of O-specific polysaccharide chain of Pseudomonas aeruginosa 025 (Wokatsch) lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Sep;12(9):1263–7 (Eng. Abstr.) **(Rus)**

[Bacterial antigenic polysaccharides. 20. The structure of the O-specific polysaccharide chain of Pseudomonas aeruginosa O(3a),3d,3f (Lányi) lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Dec;12(12):1649–57 (Eng. Abstr.) **(Rus)**

[Structure of O-specific polysaccharide chains of Pseudomonas aeruginosa II (Sandwick) and V (Verder–Evans) lipopolysaccharides containing N-acetyl-D-galactosaminuronic acid] Knirel' IuA, et al. **Bioorg Khim** 1986 Oct;12(10):1422–4 (Eng. Abstr.) **(Rus)**

[Antigenic polysaccharides of bacteria. 18. Structure of O-specific polysaccharide chains of Pseudomonas aeruginosa 05 (Lányi) lipopolysaccharide] Knirel' IuA, et al. **Bioorg Khim** 1986 Oct;12(10):1384–90 (Eng. Abstr.) **(Rus)**

[Evaluation of the specific activity of hyperimmune anti-Pseudomonas aeruginosa human plasma in an experiment] Podgornaia LG, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):70–2 (Eng. Abstr.) **(Rus)**

[Donor plasma with anti-Pseudomonas aeruginosa activity as a directed-action preparation] Nazarchuk LV. **Vrach Delo** 1987 Jul;(7):96–8 (Eng. Abstr.) **(Rus)**

[Development of a polyvalent erythrocyte diagnostic agent based on the antigens of Pseudomonas aeruginosa slime] Aleksandrova IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):72–5 (Eng. Abstr.) **(Rus)**

[Experimental basis for the combined use of tobramycin and immune preparations for treating acute Pseudomonas aeruginosa infections] Minukhin VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):42–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Medium for the simultaneous detection of pyocyanin and fluorescein pigments of Pseudomonas aeruginosa. Gill VJ, et al. **Am J Clin Pathol** 1987 Jul;88(1):110–2

Bacteria associated with obstructive pulmonary disease elaborate extracellular products that stimulate mucin secretion by explants of guinea pig airways. Adler KB, et al. **Am J Pathol** 1986 Dec;125(3):501–14

Occurrence of Staphylococcus aureus and Pseudomonas aeruginosa in Israeli coastal water. Yoshpe-Purer Y, et al. **Appl Environ Microbiol** 1987 May;53(5):1138–41

Occurrence and aeruginocine typing of Pseudomonas aeruginosa in buffaloes and their environment. Kapur MP, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):89–93

Facilitated detection of antibiotic-resistant Pseudomonas in cystic fibrosis sputum using homogenized specimens and antibiotic-containing media. Maduri-Traczewski M, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):299–305

Antibiograms, serotypes, and plasmid profiles of Pseudomonas aeruginosa associated with corneal ulcers and contact lens wear. Mayo MS, et al. **J Clin Microbiol** 1986 Sep;24(3):372–6

Classics in infectious diseases. On the blue and green coloration that appears on bandages. By Carle Gessard (1850–1925). **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S775–6

Pseudomonas aeruginosa mastitis in a Sabi ewe. Honhold N, et al. **Vet Rec** 1987 Jan 3;120(1):16

[Frequency of isolation and drug resistance of bacterial strains isolated from respiratory material in patients with cystic fibrosis] Rosselli P. **Quad Sclavo Diagn** 1986 Sep; 22(3):273–82 (Eng. Abstr.) **(Ita)**

[Localization of Pseudomonas aeruginosa in lung tissue in patients with diffuse panbronchiolitis using an immunofluorescent antibody technique and immunoperoxidase staining procedure] Inatomi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):503–12 (Eng. Abstr.) **(Jpn)**

[Selective agents for isolating Pseudomonas aeruginosa] Rozhavin MA, et al. **Antibiot Med Biotekhnol** 1986 Nov; 31(11):822–5 (30 ref.) **(Rus)**

[Role of Pseudomonas aeruginosa in the etiology of infectious complications in cancer patients] Smolianskaia AZ, et al. **Vopr Onkol** 1986;32(12):33–7 (Eng. Abstr.) **(Rus)**

METABOLISM

The molecular biology of amino-acid transport in bacteria. Antonucci TK, et al. **Adv Microb Physiol** 1986;28:145–80 (163 ref.)

The effect of rhamnolipid hemolysin of Pseudomonas aeruginosa on respiratory epithelium [letter] Hastie AT, et al. **Am Rev Respir Dis** 1987 Feb;135(2):513–4

Penetration of beta-lactams through Pseudomonas aeruginosa porin channels. Godfrey AJ, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1216–21

Oxygen regulation of nitrate uptake in denitrifying Pseudomonas aeruginosa. Hernandez D, et al. **Appl Environ Microbiol** 1987 Apr;53(4):745–50

Alginate biosynthesis by Pseudomonas aeruginosa: effect of arsenite and other metabolic inhibitors. Banerjee PC. **Arch Microbiol** 1986 Sep;145(4):408–10

Internal motion and electron transfer in proteins: a picosecond fluorescence study of three homologous azurins. Petrich JW, et al. **Biochemistry** 1987 May 19; 26(10):2711–22

Production of cytotoxin by clinical strains of Pseudomonas aeruginosa. Baltch AL, et al. **Can J Microbiol** 1987 Feb; 33(2):104–11

Rhamnolipid from Pseudomonas aeruginosa inactivates mammalian tracheal ciliary axonemes. Hastie AT, et al. **Cell Motil Cytoskeleton** 1986;6(5):502–9

Nonfatal bacteremia caused by a mucoid, alginate-producing strain of Pseudomonas aeruginosa. Anastassiou ED, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):277–83

Pyocyanin preparation from Pseudomonas aeruginosa isolated from heterogeneous clinical materials. Al-Ani FY, et al. **Folia Microbiol (Praha)** 1986;31(3):215–9

Protease & elastase production & their association with aeruginocine & pigment production by clinical isolates of Pseudomonas aeruginosa. Kapur R, et al. **Indian J Med Res** 1987 Jan;85:10–3

Correlation of pyocyanine & pyocin production by clinical isolates of Pseudomonas aeruginosa. Subramaniam L, et al. **Indian J Med Res** 1986 Sep;84:255–9

Characterization of the binding of Pseudomonas aeruginosa alginate to human epithelial cells. Doig P, et al. **Infect Immun** 1987 Jun;55(6):1517–22

Adherence of Pseudomonas aeruginosa to cilia of human tracheal epithelial cells. Franklin AL, et al. **Infect Immun** 1987 Jun;55(6):1523–5

Pseudomonas aeruginosa adhesins for tracheobronchial mucin. Ramphal R, et al. **Infect Immun** 1987 Mar; 55(3):600–3

Transport of chloramphenicol into sensitive strains of Escherichia coli and Pseudomonas aeruginosa. Abdel-Sayed S. **J Antimicrob Chemother** 1987 Jan; 19(1):7–20

Initial catabolism of aromatic biogenic amines by Pseudomonas aeruginosa PAO: pathway description, mapping of mutations, and cloning of essential genes. Cuskey SM, et al. **J Bacteriol** 1987 Jun;169(6):2398–404

Comparative action of glyphosate as a trigger of energy drain in eubacteria [published erratum appears in J Bacteriol 1987 Mar;169(3):1363] Fischer RS, et al. **J Bacteriol** 1986 Dec; 168(3):1147–54

Effect of iron on accumulation of exotoxin A-specific mRNA in Pseudomonas aeruginosa. Lory S. **J Bacteriol** 1986 Dec; 168(3):1451–6

Mapping of export signals of Pseudomonas aeruginosa pilin with alkaline phosphatase fusions. Strom MS, et al. **J Bacteriol** 1987 Jul;169(7):3181–8

Alginate production by clinical nonmucoid Pseudomonas aeruginosa strains. Anastassiou ED, et al. **J Clin Microbiol** 1987 Apr;25(4):656–9

Aeration selects for mucoid phenotype of Pseudomonas aeruginosa. Krieg DP, et al. **J Clin Microbiol** 1986 Dec; 24(6):986–90

Simultaneous production of rhamnolipids, 2-alkyl-4-hydroxyquinolines, and phenazines by clinical isolates of Pseudomonas aeruginosa. Smeal BC, et al. **J Clin Microbiol** 1987 Jul;25(7):1308–10

Mechanism of ion transport through the anion-selective channel of the Pseudomonas aeruginosa outer membrane. Benz R, et al. **J Gen Physiol** 1987 Feb;89(2):275–95

Isolation and properties of the complex nonheme-iron-containing cytochrome b557 (bacterioferritin) from Pseudomonas aeruginosa. Moore GR, et al. **J Inorg Biochem** 1986 Oct-Nov;28(2–3):329–36

[Heat-stable hemolysin of Pseudomonas aeruginosa] Fujita K. **Hokkaido Igaku Zasshi** 1987 May;62(3):392–401 (Eng. Abstr.) **(Jpn)**

[Oxidation by nitrite of azurin and cytochrome c-551 from Pseudomonas aeruginosa] Kamalian MG, et al. **Biokhimiia** 1987 Apr;52(4):638–42 (Eng. Abstr.) **(Rus)**

[Kelthane degradation in the soil by a P. aeruginosa BS827 strain containing plasmid pBS3] Golovlëva LA, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep–Oct;(5):747–52 (Eng. Abstr.) **(Rus)**

[Characteristics of the fatty acid composition of Pseudomonas aeruginosa cells with different degrees of resistance to dodecyl sulfate] Krivets IA, et al. **Mikrobiologiia** 1987 Jan–Feb;56(1):40–3 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Functional domains of Pseudomonas exotoxin identified by deletion analysis of the gene expressed in E. coli. Hwang J, et al. **Cell** 1987 Jan 16;48(1):129–36

Adherence of gram-negative uropathogens to human uroepithelial cells. Polito M, et al. **Eur Urol** 1987; 13(1–2):74–8

Role of pili in the adherence of Pseudomonas aeruginosa to mouse epidermal cells. Sato H, et al. **Infect Immun** 1987 Aug;55(8):1774–8

Surface expression of ferripyochelin-binding protein is required for virulence of Pseudomonas aeruginosa. Sokol PA. **Infect Immun** 1987 Sep;55(9):2021–5

The effect of sublethal levels of antibiotics on the pathogenicity of Pseudomonas aeruginosa for tracheal tissue. Geers TA, et al. **J Antimicrob Chemother** 1987 May; 19(5):569–78

Pyocyanin and 1-hydroxyphenazine produced by Pseudomonas aeruginosa inhibit the beating of human respiratory cilia in vitro. Wilson R, et al. **J Clin Invest** 1987 Jan;79(1):221–9

Variation and adaptation of Pseudomonas aeruginosa toxicity to HeLa cells and fibroblasts. Müller H, et al. **J Clin Microbiol** 1986 Sep;24(3):317–23

Colonization resistance against Pseudomonas aeruginosa in gnotobiotic mice. Itoh K, et al. **Lab Anim** 1986 Jul; 20(3):197–201

The virulence of Pseudomonas aeruginosa. Pollack M. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S617–26 (82 ref.)

The clinical challenge of infections due to Pseudomonas aeruginosa. Young LS. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S603–7

Cytotoxic protein from Pseudomonas aeruginosa: formation of hydrophilic pores in Ehrlich ascites tumor cells and effect on cell viability. Lutz F, et al. **Toxicon** 1987; 25(3):293–305

[Significance of Pseudomonas aeruginosa virulence factors for acute and chronic Pseudomonas aeruginosa infections] Döring G. **Infection** 1987;15 Suppl 2:S38–41 (Eng. Abstr.) **(Ger)**

[The cytopathic effect induced by strains of Pseudomonas aeruginosa producing hemolysin, leukocidin and proteases in Hep-2 cells] Zanetti S, et al. **Boll Ist Sieroter Milan** 1986;65(3):237–41 (Eng. Abstr.) **(Ita)**

[Enhancement of virulence in experimental mixed infection with Escherichia coli and Klebsiella pneumoniae, or Pseudomonas aeruginosa in mice] Tsuji A, et al. **Kansenshogaku Zasshi** 1986 Apr;60(4):304–10 (Eng. Abstr.) **(Jpn)**

[Whole blood chemiluminescence response and virulence of various organisms in systemic infection] Tsuji A, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):849–55 (Eng. Abstr.) **(Jpn)**

[Biological properties of Pseudomonas isolated from food] Stec E, et al. **Med Dosw Mikrobiol** 1986;38(3):159–63 (Eng. Abstr.) **(Pol)**

[Survival of Pseudomonas aeruginosa in the hospital environment] Vlodavets VV, et al. **Gig Sanit** 1986 Oct; (10):22–5 (Eng. Abstr.) **(Rus)**

[Pathogenic characteristics of Pseudomonas aeruginosa] Gvozdiak RI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):3–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pf1 virus particle dynamics. Tsang P, et al. **Biopolymers** 1986 Oct;25(10):1859–64

Adhesive properties of Pseudomonas aeruginosa isolated from urinary tract infections. Chiarini F, et al. **Boll Ist Sieroter Milan** 1987;66(1):23–30

Interbacterial adhesion between Pseudomonas aeruginosa and indigenous oral bacteria isolated from patients with cystic fibrosis. Komiyama K, et al. **Can J Microbiol** 1987 Jan; 33(1):27–32

Hypochlorite scavenging by Pseudomonas aeruginosa alginate. Learn DB, et al. **Infect Immun** 1987 Aug; 55(8):1813–8

Effect of growth temperature on the lipids, outer membrane proteins, and lipopolysaccharides of Pseudomonas aeruginosa PAO. Kropinski AM, et al. **J Bacteriol** 1987 May;169(5):1960–6

Adherence of Pseudomonas aeruginosa to hydrophilic contact lenses and other substrata. Miller MJ, et al. **J Clin Microbiol** 1987 Aug;25(8):1392–7

Evaluation of Pseudomonas aeruginosa influence on the cytoskeleton of Hep-2 cells. Zanetti S, et al. **Microbiologica** 1986 Oct;9(4):455–60

The effect of enzymatic contact lens cleaning on adherence of Pseudomonas aeruginosa to soft contact lenses. Stern GA, et al. **Ophthalmology** 1987 Feb;94(2):115–9

The etiology and persistence of cryptic bacterial infections: a hypothesis. Costerton JW. **Rev Infect Dis** 1984 Sep–Oct; 6 Suppl 3:S608–16

Epidemiology of infections due to Pseudomonas aeruginosa. Morrison AJ Jr, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S627–42 (155 ref.)

[Effect of slime produced by Pseudomonas aeruginosa on the bactericidal activity of chlorhexidine] Tsuji A, et al.

Kansenshogaku Zasshi 1986 Dec;60(12):1324–33 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Bactericidal effects of the neodymium:YAG laser: in vitro study. Schultz RJ, et al. **Lasers Surg Med** 1986;6(5):445–8

[Substantiation of the use of the helium–neon laser (data of a bacteriologic study)] Klimova LA, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):67–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Morphogenetic expression of Bacteroides nodosus fimbriae in Pseudomonas aeruginosa. Mattick JS, et al. **J Bacteriol** 1987 Jan;169(1):33–41

Electron microscopic study of the cell surface of dibekacin-treated Pseudomonas aeruginosa. Aonuma S, et al. **Tohoku J Exp Med** 1986 Sep;150(1):69–75

PSEUDOMONAS FLUORESCENS

CLASSIFICATION

A numerical taxonomic study of psychrotrophic bacteria associated with lipolytic spoilage of raw milk. Shelley AW, et al. **J Appl Bacteriol** 1987 Mar;62(3):197–207

Pseudomonas fluorescens biovar V: its resolution into distinct component groups and the relationship of these groups to other P. fluorescens biovars, to P. putida, and to psychrotrophic pseudomonads associated with food spoilage. Barrett EL, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2709–21

DRUG EFFECTS

In-vitro susceptibility of Pseudomonas species to fifteen antimicrobial agents. Rolston KV, et al. **J Antimicrob Chemother** 1987 Feb;19(2):193–6

ENZYMOLOGY

Influence of iron(III) and pyoverdine on extracellular proteinase and lipase production by Pseudomonas fluorescens B52. McKellar RC, et al. **Arch Microbiol** 1987 Apr;147(3):225–30

Chemical modification of tyrosine residues in p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens: assignment in sequence and catalytic involvement. Wijnands RA, et al. **Biochemistry** 1986 Jul 29;25(15):4211–8

Influence of EDTA and metal ions on a metalloproteinase from Pseudomonas fluorescens biotype I. Diermayr P, et al. **Biol Chem Hoppe Seyler** 1987 Jan;368(1):57–61

Characterization of hydantoinase from Pseudomonas fluorescens strain DSM 84. Morin A, et al. **Biotechnol Appl Biochem** 1986 Dec;8(6):564–74

The elucidation of the microheterogeneity of highly purified p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens by various biochemical techniques. Van Berkel WJ, et al. **Eur J Biochem** 1987 Aug 17;167(1):35–46

Chemical modification of arginine residues in p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens: a kinetic and fluorescence study. Wijnands RA, et al. **Eur J Biochem** 1987 Mar 16;163(3):535–44

The effect of nitrogen and carbon sources on proteinase production by Pseudomonas fluorescens. Fairbairn DJ, et al. **J Appl Bacteriol** 1987 Feb;62(2):105–13

Mechanisms of heat inactivation of a proteinase from Pseudomonas fluorescens biotype I. Diermayr P, et al. **J Dairy Res** 1987 Feb;54(1):51–60

Purification and characterization of the extracellular proteinase of Pseudomonas fluorescens NCDO 2085. Fairbairn DJ, et al. **J Dairy Res** 1986 Aug;53(3):457–66

Peptidases from two strains of Pseudomonas fluorescens: partial purification, properties and action on milk. Shamsuzzaman K, et al. **J Dairy Res** 1987 May;54(2):283–93

Assay of proteinases of psychrotrophic bacteria in milk using hide powder azure and a simple procedure for clarification of milk. Stead D. **J Dairy Res** 1987 May;54(2):295–302

GENETICS

DNA hybridization probe for the Pseudomonas fluorescens group. Festl H, et al. **Appl Environ Microbiol** 1986 Nov; 52(5):1190–4

Integration of the delta-endotoxin gene of Bacillus thuringiensis into the chromosome of root-colonizing strains of pseudomonads using Tn5. Obukowicz MG, et al. **Gene** 1986;45(3):327–31

Tn5-mediated integration of the delta-endotoxin gene from Bacillus thuringiensis into the chromosome of root-colonizing pseudomonads. Obukowicz MG, et al. **J Bacteriol** 1986 Nov;168(2):982–9

Cloning and nucleotide sequence of the aspartase gene of Pseudomonas fluorescens. Takagi JS, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):697–705

GROWTH & DEVELOPMENT

Growth of lipolytic psychrotrophic pseudomonads in raw and ultra-heat-treated milk. Shelley AW, et al. **J Appl Bacteriol** 1986 Nov;61(5):395–400

IMMUNOLOGY

[The structure of O-specific polysaccharide chain of Pseudomonas fluorescens lipopolysaccharide] Khomenko VA, et al. **Bioorg Khim** 1986 Dec;12(12):1641–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Bacterial contamination of QC specimens as a cause of artefactually poor performance in the UK EQAS. Kemp LR, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):182–4

METABOLISM

Multiple antibiotics produced by Pseudomonas fluorescens HV37a and their differential regulation by glucose. James DW Jr, et al. **Appl Environ Microbiol** 1986 Nov; 52(5):1183–9

Water relations of solute accumulation in Pseudomonas fluorescens. Prior BA, et al. **J Appl Bacteriol** 1987 Feb; 62(2):119–28

Decreased chromate uptake in Pseudomonas fluorescens carrying a chromate resistance plasmid. Ohtake H, et al. **J Bacteriol** 1987 Aug;169(8):3853–6

[Final stages of the preliminary metabolism of 2,4,6-trinitrotoluene in Pseudomonas fluorescens] Selizanovskaia Slu, et al. **Mikrobiologiia** 1986 Nov–Dec; 55(6):1040–1 (Eng. Abstr.) **(Rus)**

PSEUDOMONAS INFECTIONS

Surgical therapy of a Pseudomonas corneal ulcer in a diabetic. Knopf HL. **Ann Ophthalmol** 1987 Apr;19(4):151, 154

Properdin-mediated immune ring formation associated with Pseudomonas keratitis [letter] Rabinowitz SM, et al. **Arch Ophthalmol** 1987 Feb;105(2):173–4

Community-acquired bloodstream infection caused by Pseudomonas paucimobilis: case report and review of the literature. Morrison AJ Jr, et al. **J Clin Microbiol** 1986 Nov;24(5):853–5

Malignant external otitis. Babiatzki A, et al. **J Laryngol Otol** 1987 Mar;101(3):205–10

Pseudomonal toxic shock syndrome [letter] Daman Willems CE, et al. **Lancet** 1986 Nov 22;2(8517):1218–9

Successful treatment of adult respiratory distress syndrome by histamine and prostaglandin blockade in a porcine Pseudomonas model. Sielaff TD, et al. **Surgery** 1987 Aug; 102(2):350–7

[Malignant otitis externa] Ninove B, et al. **Acta Otorhinolaryngol Belg** 1986;40(4):635–43 (Eng. Abstr.) **(Fre)**

[Pseudomonas cepacia septicemia in an intensive care unit. 14 cases (letter)] Bedock B, et al. **Presse Med** 1986 Nov 8;15(39):1973 **(Fre)**

[Therapy and prevention of Pseudomonas infection. A symposium. 25–27 September 1986, Herrsching/Ammersee. Proceedings] **Infection** 1987 Jan–Feb;15(1):46–84 **(Ger)**

[Therapy and prevention of Pseudomonas infection. II. A symposium. 25–27 September 1986, Herrsching/Ammersee. Proceedings] **Infection** 1987 Mar–Apr;15(2):133–52 **(Ger)**

[Experimental Pseudomonas pneumonia model in normal mice] Kohno S, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1165–71 (Eng. Abstr.) **(Jpn)**

BLOOD

[Dynamics of peripheral blood indices in staphylococcal, Pseudomonas aeruginosa and associated infections] Gots IuD, et al. **Vrach Delo** 1987 Apr;(4):115–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Priming of neutrophils for enhanced oxidative burst by sputum from cystic fibrosis patients with Pseudomonas aeruginosa infection. Kharazmi A, et al. **Eur J Clin Invest** 1987 Jun;17(3):256–61

Early-onset Pseudomonas aeruginosa sepsis and Yersinia enterocolitica neonatal infection: a unique combination in a preterm infant. Pacifico L, et al. **Eur J Pediatr** 1987 Mar; 146(2):192–3

Pseudomonas stutzeri pneumonia and septicemia in a patient with multiple myeloma. Potvliege C, et al. **J Clin Microbiol** 1987 Feb;25(2):458–9

Familial benign chronic pemphigus generalized by Pseudomonas infection. Takami Y, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):474–6

Rhamnolipid of Pseudomonas aeruginosa in sputum of cystic fibrosis patients [letter] Kownatzki R, et al. **Lancet** 1987 May 2;1(8540):1026–7

Necrotizing external otitis in children: report of two cases and review of the literature. Sobie S, et al. **Laryngoscope** 1987 May;97(5):598–601

[Panophthalmia, followed by evisceration, secondary to the removal of monofilaments 16 months after intervention for cataract] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Dec; 85(12):1291–2 **(Fre)**

[A severe form of external otitis: necrosing diabetic otitis] de Rotalier P, et al. **Med Trop (Mars)** 1987 Jan–Mar; 47(1):81–4 (Eng. Abstr.) **(Fre)**

[Mixed viral and bacterial infection of the eyes caused by Herpes virus hominis and Pseudomonas aeruginosa] Malkhanov VB, et al. **Oftalmol Zh** 1986;(4):249–50 **(Rus)**

CONGENITAL

Perinatal mortality associated with intrauterine infection due to pseudomonads. Turkel SB, et al. **Pediatr Pathol** 1986; 6(2–3):131–7

DIAGNOSIS

Ecthyma gangrenosum without bacteremia. Report of six cases and review of the literature. Huminer D, et al. **Arch Intern Med** 1987 Feb;147(2):299–301

The use of monoclonal antibodies in the diagnosis of partially treated Pseudomonas aeruginosa meningitis: patient report. Bermudez LE. **Braz J Med Biol Res** 1986;19(2):159–65

Athlete's foot caused by pseudomonas aeruginosa. Abramson C. **Clin Dermatol** 1983 Jul–Sep;1(1):14–24

Intrarenal gas abscess. Sharma SK, et al. **J Urol** 1986 Nov; 136(5):1059–60

[A method of isolating Pseudomonas maltophilia from clinical specimens] Tiurin MV, et al. **Lab Delo** 1986;(12):748–51 (Eng. Abstr.) **(Rus)**

[Clinical picture and course of intestinal infections caused by Pseudomonas aeruginosa in premature children] Gul'man LA, et al. **Tr Inst Pastera** 1985;63:124–6 **(Rus)**

DRUG THERAPY

Successful therapy of Pseudomonas aeruginosa endocarditis with ceftazidime and tobramycin [letter] Cabinian AE, et al. **Am J Med** 1987 Aug;83(2):366–7

Ciprofloxacin monotherapy for acute pulmonary exacerbations of cystic fibrosis. Goldfarb J, et al. **Am J Med** 1987 Apr 27;82(4A):174–9

Ciprofloxacin: comparative data in cystic fibrosis. Rubio TT. **Am J Med** 1987 Apr 27;82(4A):185–8

Ciprofloxacin therapy in cystic fibrosis. Scully BE, et al. **Am J Med** 1987 Apr 27;82(4A):196–201

Efficacy of ciprofloxacin in stationary-phase bacteria in vivo. Zeiler HJ, et al. **Am J Med** 1987 Apr 27;82(4A):87–90

Pseudomonas corneoscleritis [letter] Hessburg PC. **Am J Ophthalmol** 1987 May 15;103(5):725–6

Efficacy of ciprofloxacin in experimental aortic valve endocarditis caused by a multiply beta-lactam-resistant variant of Pseudomonas aeruginosa stably derepressed for beta-lactamase production. Bayer AS, et al. **Antimicrob Agents Chemother** 1986 Oct;30(4):528–31

Evaluation of combination chemotherapy in a lightly anesthetized animal model of Pseudomonas pneumonia. Gordin FM, et al. **Antimicrob Agents Chemother** 1987 Mar; 31(3):398–403

Cumulative and acute toxicity of repeated high-dose tobramycin treatment in cystic fibrosis. Pedersen SS, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):594–9

Randomized double-blind evaluation of ceftazidime dose ranging in hospitalized patients with cystic fibrosis. Reed MD, et al. **Antimicrob Agents Chemother** 1987 May; 31(5):698–702

Aztreonam in the treatment of severe urinary tract infections in pediatric patients. Rusconi F, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):310–4

Pharmacokinetics and sputum penetration of ciprofloxacin in patients with cystic fibrosis. Smith MJ, et al. **Antimicrob Agents Chemother** 1986 Oct;30(4):614–6

Combined use of topical cyclosporin A and silver sulphadiazine on allografts infected with Pseudomonas in burned rats. Lai CS, et al. **Burns Incl Therm Inj** 1987 Jun; 13(3):181–4

Ofloxacin: therapeutic activity in experimental infections. Guerra L, et al. **Chemioterapia** 1986 Dec;5(6):375–8

Ibuprofen and methylprednisolone in a pig Pseudomonas ARDS model. Harvey CF, et al. **Circ Shock** 1987; 21(3):175–83

Control of Pseudomonas sepsis in mice with azlocillin combined with gentamicin. Polívková L, et al. **Czech Med** 1986;9(4):200–2

In vivo effect of aminoglycoside on Pseudomonas aeruginosa in experiment. Uxová M, et al. **Czech Med** 1986;9(4):206–9

Ceftazidime and amikacin alone and in combination against Pseudomonas aeruginosa and Enterobacteriaceae. Moody JA, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):59–67

Penicillin resistance of Pseudomonas aeruginosa clinical isolates from urinary tract infections. Sanda N, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):355–62

Ceftazidime in the treatment of Pseudomonas infections in intensive-care patients. Rondanelli R, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):457–9

Nosocomial gram-negative pneumonia in critically ill patients. A 3-year experience with a novel therapeutic regimen. Stoutenbeek CP, et al. **Intensive Care Med** 1986; 12(6):419–23

Emergence of ciprofloxacin-resistant Pseudomonas aeruginosa after combined therapy with ciprofloxacin and amikacin [letter] Azadian BS, et al. **J Antimicrob Chemother** 1986 Dec;18(6):771

The efficacy and safety of ciprofloxacin in the treatment of chronic Pseudomonas aeruginosa urinary tract infection. Brown EM, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:123–7

Comparison of the activity of antibiotic combinations in vitro with clinical outcome and resistance emergence in serious infection by Pseudomonas aeruginosa in non-neutropenic patients. Chandrasekar PH, et al. **J Antimicrob Chemother** 1987 Mar;19(3):321–9

Ciprofloxacin in experimental Pseudomonas aeruginosa

meningitis in rabbits. Hackbarth CJ, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:65–9

Colistin inhalation therapy in cystic fibrosis patients with chronic Pseudomonas aeruginosa lung infection. Jensen T, et al. **J Antimicrob Chemother** 1987 Jun;19(6):831–8

Ciprofloxacin therapy in complicated urinary tract infections caused by Pseudomonas aeruginosa and other resistant bacteria. Leigh DA, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:117–21

Emergence of ceftriaxone-resistant strains of Pseudomonas aeruginosa in cystic fibrosis patients. Paull A, et al. **J Antimicrob Chemother** 1986 Nov;18(5):635–9

Combined imipenem/cilastatin and tobramycin therapy of multiresistant Pseudomonas aeruginosa in cystic fibrosis. Pedersen SS, et al. **J Antimicrob Chemother** 1987 Jan; 19(1):101–7

Ciprofloxacin in the treatment of Pseudomonas infection in cystic fibrosis patients. Rubio TT, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:147–52

Pseudomonas peritonitis in neutropenic rats treated with amikacin, ceftazidime and ticarcillin, alone and in combination. Shyu WC, et al. **J Antimicrob Chemother** 1987 Jun;19(6):807–14

Successful treatment with ceftazidime of a Pseudomonas fluorescens chest infection in a myasthenic patient [letter] Thangkhiew I. **J Antimicrob Chemother** 1986 Sep; 18(3):428–9

Ceftazidime alone for treating Pseudomonas aeruginosa septicaemia in neutropenic patients. Verhagen C, et al. **J Infect** 1986 Sep;13(2):125–31

Dose response of experimental Pseudomonas endophthalmitis to ciprofloxacin, gentamicin, and imipenem: evidence for resistance to "late" treatment of infections.Davey PG, et al. **J Infect Dis** 1987 Mar;155(3):518–23

Development of resistance after beta-lactam therapy [letter] Demko GM. **J Infect Dis** 1987 Jun;155(6):1347

Comparative efficacy of ciprofloxacin, azlocillin, and tobramycin alone and in combination in experimental Pseudomonas sepsis. Johnson M, et al. **J Infect Dis** 1987 Apr;155(4):783–8

Ofloxacin therapy for experimental osteomyelitis caused by Pseudomonas aeruginosa. Norden CW, et al. **J Infect Dis** 1987 Apr;155(4):823–5

Cefsulodin treatment for serious Pseudomonas aeruginosa infections. Routman A, et al. **J Int Med Res** 1986; 14(5):242–53

Two neutropenic patients with multiple resistant Pseudomonas aeruginosa septicaemia treated with ciprofloxacin. Bendig JW, et al. **J R Soc Med** 1987 May; 80(5):316–7

Silver nylon cloth: in vitro and in vivo evaluation of antimicrobial activity. Deitch EA, et al. **J Trauma** 1987 Mar;27(3):301–4

Oral ciprofloxacin compared with conventional intravenous treatment for Pseudomonas aeruginosa infection in adults with cystic fibrosis. Hodson ME, et al. **Lancet** 1987 Jan 31;1(8527):235–7

Aztreonam for cystic fibrosis patients who are hypersensitive to other beta-lactams [letter] Jensen T, et al. **Lancet** 1987 Jun 6;1(8545):1319–20

Treatment of Pseudomonas aeruginosa osteomyelitis with aztreonam [letter] Smith DW, et al. **Med J Aust** 1987 Aug 3;147(3):152

Ceftazidime monotherapy vs. combined therapy in Pseudomonas pulmonary infections in cystic fibrosis. Padoan R, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):648–53

Pseudomonas aeruginosa--biology, immunology, and therapy: a cefsulodin symposium. Monterey, California, May 16–17, 1983. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S603–774

Treatment of lower respiratory tract infections due to Pseudomonas aeruginosa in patients with cystic fibrosis. Caplan DB, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S705–10

Treatment of urinary tract infections due to Pseudomonas aeruginosa with cefsulodin. Elder HA, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S734–43

Cefsulodin therapy for infections due to Pseudomonas aeruginosa in patients with burns. Heimbach DM. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S744–50

Treatment of invasive external otitis with cefsulodin. Mendelson MH, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S698–704

Treatment of skin and soft-tissue infections with cefsulodin. Mogabgab WJ. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S721–7

Experience with cefsulodin therapy for lower respiratory tract infections caused by Pseudomonas aeruginosa in adults without cystic fibrosis or granulocytopenia. Nichols L, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S711–20

Clinical and pharmacokinetic study of parenteral administration of cefsulodin in pediatric patients in Japan. Nishimura T, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S751–8

Predictors of response to therapy for infections caused by Pseudomonas aeruginosa. Platt R. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S759–68

Cefsulodin therapy for osteomyelitis due to Pseudomonas aeruginosa. Pottage JC Jr, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S728–33

The clinical challenge of infections due to Pseudomonas aeruginosa. Young LS. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S603–7

Maintenance of Pseudomonas antibiotic sensitivity in patients with cystic fibrosis treated with inhaled antibiotics [letter] Wittenberg DF. **S Afr Med J** 1987 Mar 7;71(5):335–6

Ceftazidime in the treatment of serious Pseudomonas aeruginosa sepsis. Bragman S, et al. **Scand J Infect Dis** 1986;18(5):425–9

Norfloxacin treatment in complicated urinary tract infection. Boerema JB, et al. **Scand J Infect Dis [Suppl]** 1986;48:20–6

Nosocomial consequences of antibiotic usage. Giamarellou H, et al. **Scand J Infect Dis [Suppl]** 1986;49:182–8

Cefsulodin in treatment of Pseudomonas urinary tract infection in patients with spinal cord injury. Comparison with aminoglycosides. Montgomerie JZ, et al. **Urology** 1986 Nov;28(5):446–50

[Treatment of pyocyanic bacillus superinfections in children with cystic fibrosis using a new cephalosporin: ceftazidime] Labbé A, et al. **Ann Pediatr (Paris)** 1986 Sep;33(7):625–8 (Eng. Abstr.) **(Fre)**

[Pseudomonas cepacia septicemias: therapeutic difficulties] Beytout J, et al. **Pathol Biol (Paris)** 1987 May;35(5):616–9 (Eng. Abstr.) **(Fre)**

[Choice of a rapidly bactericidal beta-lactamin-aminoglycoside combination in the treatment of Pseudomonas aeruginosa infections at a child intensive care unit] Lambert-Zechovsky N, et al. **Pathol Biol (Paris)** 1986 Sep;34(7):855–8 (Eng. Abstr.) **(Fre)**

[Antibiotic therapy of Pseudomonas aeruginosa infections] Modai J, et al. **Presse Med** 1986 Sep 20;15(30):1417–20 (23 ref.) (Eng. Abstr.) **(Fre)**

[Development of resistance in imipenem therapy in Pseudomonas aeruginosa] Krech T, et al. **Immun Infekt** 1986 Nov;14(6):224–6 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa: pathogenicity, prevention and therapeutic approaches] Kujath P, et al. **Zentralbl Chir** 1987;112(9):558–63 (Eng. Abstr.) **(Ger)**

[Use of ceftazidime in the treatment of skin infections] Carabelli A, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec; 121(6):LXXIII–LXXV (Eng. Abstr.) **(Ita)**

[In vivo combination effects of astromicin and beta-lactam antibiotics against Pseudomonas aeruginosa] Sato K, et al. **Jpn J Antibiot** 1986 Jun;39(6):1487–93 (Eng. Abstr.) **(Jpn)**

[Serum drug levels and drug efficacy—antibiotics] Kohno S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):38–43 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. c. Pseudomonas infections] Oizumi K. **Nippon Rinsho** 1987 Mar;45(3):526–30 (22 ref.) **(Jpn)**

[Chemotherapy of urinary tract infections caused by Pseudomonas] Yoshida O, et al. **Nippon Rinsho** 1986 Dec; 44(12):2633–7 (11 ref.) **(Jpn)**

[Complex iodopyrone-based preparations in the prevention and treatment of wound infections] Datsenko BM, et al. **Klin Khir** 1987;(1):35–7 (Eng. Abstr.) **(Rus)**

[Treatment of Pseudomonas aeruginosa infection in burn patients] Litovchenko PP, et al. **Klin Khir** 1987;(3):24–7 (Eng. Abstr.) **(Rus)**

[Malignant otitis externa. Presentation of a case] Moreno-Martínez JA, et al. **Bol Med Hosp Infant Mex** 1987 May;44(5):274–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Pseudomonas putida. Newly recognized pathogen in patients with cancer. Anaissie E, et al. **Am J Med** 1987 Jun; 82(6):1191–4

Bilateral simultaneous Pseudomonas keratitis with myopic extended-wear contact lenses. Shivitz IA. **Ann Ophthalmol** 1987 Jun;19(6):204–6

Pseudomonas infections in cystic fibrosis. George RH. **Arch Dis Child** 1987 May;62(5):438–9

Eye infections caused by respiratory pathogens in mechanically ventilated patients. Ommeslag D, et al. **Crit Care Med** 1987 Jan;15(1):80–1

Pseudomonas aeruginosa liver abscesses following endoscopic retrograde cholangiography. Report of a case without biliary tract disease. Davion T, et al. **Dig Dis Sci** 1987 Sep;32(9):1044–6

Recurrent Pseudomonas luteola (CDC group Ve-1) peritonitis in a patient undergoing continuous ambulatory peritoneal dialysis. Connor BJ, et al. **J Clin Microbiol** 1987 Jun;25(6):1113–4

Association of Pseudomonas and Serratia corneal ulcers with use of contaminated solutions. Mayo MS, et al. **J Clin Microbiol** 1987 Aug;25(8):1398–400

Pseudomonas stutzeri septicemia [letter] Yu VL. **J Clin Microbiol** 1987 Jul;25(7):1343

Blood transfusion-associated Pseudomonas fluorescens septicaemia: is this an increasing problem? Murray AE, et al. **J Hosp Infect** 1987 May;9(3):243–8

Perichondritis of the ear following acupuncture. Warwick-Brown NP, et al. **J Laryngol Otol** 1986 Oct; 100(10):1177–9

Chronic sepsis following intramedullary nailing of femoral fractures. Green SA, et al. **J Trauma** 1987 Jan;27(1):52–7

Caribbean sponge-related Pseudomonas folliculitis [letter] Scupham R, et al. **JAMA** 1987 Sep 25;258(12):1607–8

Pulmonary infection in cystic fibrosis—still a sticky problem [editorial] **Lancet** 1986 Dec 13;2(8520):1372–3

Community-acquired Pseudomonas sepsis in previously healthy infants. Chusid MJ, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):681–4

The etiology and persistence of cryptic bacterial infections: a hypothesis. Costerton JW. **Rev Infect Dis** 1984 Sep–Oct; 6 Suppl 3:S608–16

The virulence of Pseudomonas aeruginosa. Pollack M. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S617–26 (82 ref.)

Nosocomial infectious balanoposthitis in neutropenic patients. Manian FA, et al. **South Med J** 1987 Jul;80(7):909–11

[Nosocomial Pseudomonas pickettii infection. Danger of the use of ion-exchange resins] Poty F, et al. **Presse Med** 1987 Jun 20;16(24):1185–7 (Eng. Abstr.) **(Fre)**

[Survival of Pseudomonas aeruginosa in the hospital environment] Vlodavets VV, et al. **Gig Sanit** 1986 Oct; (10):22–5 (Eng. Abstr.) **(Rus)**

[Iatrogenic meningitis (letter)] Monteis J, et al. **Med Clin (Barc)** 1987 Jul 4;89(6):262 **(Spa)**

IMMUNOLOGY

Uptake of bloodborne bacteria by pulmonary intravascular macrophages and consequent inflammatory responses in sheep. Warner AE, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):683–90

Serum IgG antibodies in patients with cystic fibrosis with early Pseudomonas aeruginosa infection. Brett MM, et al. **Arch Dis Child** 1987 Apr;62(4):357–61

Hypergammaglobulinemia in cystic fibrosis. Role of Pseudomonas endobronchial infection. Moss RB. **Chest** 1987 Apr;91(4):522–6

Neutrophil dysfunction and decreased leukotriene production in burned, septic rats. Perez RV, et al. **Curr Surg** 1987 Jan–Feb;44(1):24–7

Suppression of the delayed-type hypersensitivity and cell-mediated immune responses to Listeria monocytogenes induced by Pseudomonas aeruginosa. Blackwood LL, et al. **Infect Immun** 1987 Mar;55(3):639–44

Protective effect of forphenicinol, a low molecular weight immunomodifier, against infection with Pseudomonas aeruginosa in mice and its mechanisms. Naito K, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):547–54

Immunoblot analysis of serological response to Pseudomonas aeruginosa septicaemia in man. Matthews RC, et al. **J Clin Pathol** 1986 Dec;39(12):1306–12

Complement depletion in a porcine model of septic acute respiratory disease. Dehring DJ, et al. **J Trauma** 1987 Jun; 27(6):615–25

Host defense mechanisms against pneumonia due to Pseudomonas aeruginosa. Pennington JE, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S657–66

Specific and nonspecific protection of mice by Pseudomonas aeruginosa lipopolysaccharides. Marx A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):154–62

[Pseudomonas aeruginosa as a pathogen in opportunistic infections] Dalhoff A. **Infection** 1987;15 Suppl 2:S60–3 (Eng. Abstr.) **(Ger)**

[Effect of Pseudomonas immunoglobulin on the antibacterial activity of human phagocytes] Just HM, et al. **Infection** 1987 Jan–Feb;15(1):51–5 (Eng. Abstr.) **(Ger)**

[Effect of Pseudomonas immunoglobulin on the antibacterial activity of human phagocytes] Just HM, et al. **Infection** 1987;15 Suppl 2:S42–6 (Eng. Abstr.) **(Ger)**

[Enhancement of virulence in experimental mixed infection with Escherichia coli and Klebsiella pneumoniae, or Pseudomonas aeruginosa in mice] Tsuji A, et al. **Kansenshogaku Zasshi** 1986 Apr;60(4):304–10 (Eng. Abstr.) **(Jpn)**

[Pseudomonas aeruginosa and Proteus antigenemia and antibody formation in mono- and mixed infections in patients with suppurative inflammatory diseases] Bulava GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb; (2):63–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Penetration of aztreonam into cerebrospinal fluid and brain of noninfected rabbits and rabbits with experimental meningitis caused by Pseudomonas aeruginosa. Strausbaugh LJ, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):701–4

MICROBIOLOGY

Changes in serotype caused by cell to cell contact between different Pseudomonas aeruginosa strains from cystic fibrosis patients. Ojeniyi B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Feb; 95(1):23–7

Splenic abscess due to Clostridium difficile and Pseudomonas paucimobilis. Studemeister AE, et al. **Am J Gastroenterol** 1987 Apr;82(4):389–90

Role of beta-lactamase in in vivo development of ceftazidime resistance in experimental Pseudomonas aeruginosa endocarditis. Bayer AS, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):253–8

Characterization of impermeability variants of Pseudomonas aeruginosa isolated during unsuccessful therapy of experimental endocarditis. Bayer AS, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):70–5

Infections caused by Pseudomonas maltophilia. Expanding clinical spectrum. Muder RR, et al. **Arch Intern Med** 1987 Sep;147(9):1672–4

Adhesive properties of Pseudomonas aeruginosa isolated

from urinary tract infections. Chiarini F, et al. **Boll Ist Sieroter Milan** 1987;66(1):23–30

Mixed morphotype susceptibility testing of Pseudomonas aeruginosa from patients with cystic fibrosis. Dunne WM Jr, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):165–70

Importance of carbenicillin and gentamicin cross–resistant serotype 0:12 Pseudomonas aeruginosa in six Athens hospitals. Legakis NJ, et al. **Eur J Clin Microbiol** 1987 Jun; 6(3):300–3

Pseudomonas maltophilia. Schoch PE, et al. **Infect Control** 1987 Apr;8(4):169–72 (13 ref.)

Surface expression of ferripyochelin–binding protein is required for virulence of Pseudomonas aeruginosa. Sokol PA. **Infect Immun** 1987 Sep;55(9):2021–5

Spontaneous inhibition of bacterial growth in experimental gram–negative endophthalmitis. Davey P, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):867–73

Susceptibility of Pseudomonas aeruginosa strains isolated from hospitalized children. Patzer J, et al. **J Antimicrob Chemother** 1986 Jul;18(1):45–9

Pseudomonas sp. group Ve–2 bacterial peritonitis in a patient on continuous ambulatory peritoneal dialysis. Amber IJ, et al. **J Clin Microbiol** 1987 Apr;25(4):744–5

Pseudomonas maltophilia exoenzyme activity as correlate in pathogenesis of ecthyma gangrenosum. Bottone EJ, et al. **J Clin Microbiol** 1986 Dec;24(6):995–7

Antibiograms, serotypes, and plasmid profiles of Pseudomonas aeruginosa associated with corneal ulcers and contact lens wear. Mayo MS, et al. **J Clin Microbiol** 1986 Sep;24(3):372–6

Pseudomonas cepacia—fatal pulmonary infection in a patient with cystic fibrosis. Glass S, et al. **J Infect** 1986 Sep; 13(2):157–8

Characterization and use of a DNA probe as an epidemiological marker for Pseudomonas aeruginosa. Ogle JW, et al. **J Infect Dis** 1987 Jan;155(1):119–26

Pseudomonas stutzeri: an unusual cause of calcaneal Pseudomonas osteomyelitis. Rowley AH, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):296–7

Pseudomonas testosteroni infections: eighteen recent cases and a review of the literature. Barbaro DJ, et al. **Rev Infect Dis** 1987 Jan–Feb;9(1):124–9

[Epidemiology of Pseudomonas aeruginosa hospital infection in the Ivory Coast] Dosso M, et al. **Bull Soc Pathol Exot Filiales** 1987;80(1):19–27 (Eng. Abstr.) **(Fre)**

[Pseudomonas aeruginosa as the pathogen in opportunistic infections] Dalhoff A. **Infection** 1987 Jan–Feb;15(1):69–72 (Eng. Abstr.) **(Ger)**

[Significance of Pseudomonas aeruginosa virulence factors in acute and chronic Pseudomonas aeruginosa infections] Döring G. **Infection** 1987 Jan–Feb;15(1):47–50 (Eng. Abstr.) **(Ger)**

[Significance of Pseudomonas aeruginosa virulence factors for acute and chronic Pseudomonas aeruginosa infections] Döring G. **Infection** 1987;15 Suppl 2:S38–41 (Eng. Abstr.) **(Ger)**

[Gram–negative infection of the foot] Suter L, et al. **Mykosen** 1979 Apr;22(4):109–14 (Eng. Abstr.) **(Ger)**

[Characterization of Pseudomonas aeruginosa isolates from intensive care units by sero–, lyso– and pyocin typing] Breunung M, et al. **Z Gesamte Hyg** 1986 Oct;32(10):611–4 (Eng. Abstr.) **(Ger)**

[Role of Pseudomonas aeruginosa in the pathogenesis of acute destructive processes in the lungs] Savitskaia KI. **Sov Med** 1986;(10):75–7 **(Rus)**

[Dynamics of the contamination of mice during the treatment of burn sepsis due to Pseudomonas aeruginosa using tobramycin alone or combined with active and passive immunization] Minukhin VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):90–2 (Eng. Abstr.) **(Rus)**

[Use of differential media for the pigmentation of Pseudomonas] Pájaro MC, et al. **Rev Latinoam Microbiol** 1986 Jul–Sep;28(3):191–5 (Eng. Abstr.) **(Spa)**

MORTALITY

Effect of varying number and volume of transfusions on mortality rate following septic challenge in an animal model. Waymack JP, et al. **World J Surg** 1987 Jun; 11(3):387–91

OCCURRENCE

Does centralized treatment of cystic fibrosis increase the risk of Pseudomonas aeruginosa infection? Pedersen SS, et al. **Acta Paediatr Scand** 1986 Sep;75(5):840–5

Acute pseudomonas mastoiditis in children. Leiberman A, et al. **Am J Otolaryngol** 1987 May–Jun;8(3):175–8

Pseudomonas cepacia in cystic fibrosis patients [editorial] Prince A. **Am Rev Respir Dis** 1986 Oct;134(4):644–5

Infections caused by Pseudomonas aeruginosa: relatively frequent isolation of serogroup 12 from clinical specimens. Giammanco A, et al. **Eur J Epidemiol** 1985 Jun;1(2):104–9

Spectrum of bacterial pathogens in uncomplicated and complicated urinary tract infections. Bauernfeind A, et al. **Eur Urol** 1987;13 Suppl 1:9–12

Pseudomonas species contamination of cystic fibrosis patients' home inhalation equipment. Pitchford KC, et al. **J Pediatr** 1987 Aug;111(2):212–6

Epidemiology of infections due to Pseudomonas aeruginosa. Morrison AJ Jr, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S627–42 (155 ref.)

[Role of Pseudomonas aeruginosa in the etiology of infectious complications in cancer patients] Smolianskaia AZ, et al. **Vopr Onkol** 1986;32(12):33–7 (Eng. Abstr.) **(Rus)**

[Modelling of the epidemic process of suppurative septic infections using a Pseudomonas aeruginosa bacteriophage] Zueva LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):35–8 (Eng. Abstr.) **(Rus)**

[Escherichia coli, coliform bacteria, Pseudomonas aeruginosa, Proteus and Staphylococcus aureus carriers among children 5–15 years old] Yumul C, et al. **Mikrobiyol Bul** 1986 Jul;20(3):176–83 (Eng. Abstr.) **(Tur)**

PATHOLOGY

Morphologic and microbiologic features of Pseudomonas aeruginosa pneumonia in normal hamsters. Coalson JJ, et al. **Exp Mol Pathol** 1986 Oct;45(2):193–206

Pseudomonas septicemia with nodules and bullae. Fleming MG, et al. **Pediatr Dermatol** 1987 May;4(1):18–20

[Ultrastructural analysis of Pseudomonas aeruginosa invasion into the blood capillaries of the subcutaneous fat] Vtiurin BV, et al. **Arkh Patol** 1986;48(8):57–63 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effect of Kupffer cell phagocytosis of erythrocytes and erythrocyte ghosts on susceptibility to endotoxemia and bacteremia. Loegering DJ, et al. **Infect Immun** 1987 Sep; 55(9):2074–80

Relevance of host–derived and bacterial factors in Pseudomonas aeruginosa corneal infections. Steuhl KP, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1559–68

PREVENTION & CONTROL

Pseudomonas cepacia: decrease in colonization in patients with cystic fibrosis. Thomassen MJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):669–71

Protective effect of cimetidine against Pseudomonas aeruginosa: infection in an experimental burned mouse model. Zehavi–Willner T, et al. **Isr J Med Sci** 1986 Jun; 22(6):460–2

Outer membrane protein F (porin) preparation of Pseudomonas aeruginosa as a protective vaccine against heterologous immunotype strains in a burned mouse model. Matthews–Greer JM, et al. **J Infect Dis** 1987 Jun; 155(6):1282–91

[Prevention using a Pseudomonas immunoglobulin in burn patients] Stuttmann R, et al. **Infection** 1987 Jan–Feb; 15(1):80–4 (Eng. Abstr.) **(Ger)**

[Pseudomonas immunoglobulin prophylaxis in patients with burn injuries] Stuttmann R, et al. **Infection** 1987;15 Suppl 2:S71–5 (Eng. Abstr.) **(Ger)**

[Antibody titers in the serum of patients vaccinated with the multicomponent vaccine consisting of toxoids of protease, elastase and a common protective antigen (OEP)] Yamamoto M, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1178–83 (Eng. Abstr.) **(Jpn)**

[Results of using a polyvalent vaccine against Pseudomonas aeruginosa in patients with burns treated at various therapeutic centers in Poland] Bukowska D, et al. **Pol Tyg Lek** 1986 Dec 8;41(49):1549–52 (Eng. Abstr.) **(Pol)**

[A complex vaccine in the prevention of staphylococcal, Pseudomonas aeruginosa and Proteus infections in esophageal cancer patients] Kochetkova VA, et al. **Vopr Onkol** 1987;33(2):58–63 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

The distribution of lung damage in children with cystic fibrosis and its relationship to colonisation with Pseudomonas aeruginosa. Evans I, et al. **Eur J Nucl Med** 1987;12(12):620–2

The diagnostic criteria of malignant external otitis. Cohen D, et al. **J Laryngol Otol** 1987 Mar;101(3):216–21 (28 ref.)

Malignant external otitis versus acute external otitis. Cohen D, et al. **J Laryngol Otol** 1987 Mar;101(3):211–5

SURGERY

Late failure of bioprosthesis excision for treatment of recurrence of Pseudomonas aeruginosa tricuspid valve endocarditis previously treated by valve replacement. Mansur AJ, et al. **Am Heart J** 1987 Sep;114(3):666–8

Percutaneous drainage of an infected lung bulla in a patient receiving positive pressure ventilation. Dean N , et al. **Chest** 1987 Jun;91(6):928–30

THERAPY

Successful treatment of Pseudomonas peritonitis during continuous ambulatory peritoneal dialysis. Nguyen V, et al. **Am J Nephrol** 1987;7(1):38–43

Pseudomonas corneoscleritis. Alfonso E, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):90–8

Pulmonary clearance of Pseudomonas aeruginosa in neutropenic mice. Effects of systemic immunization. Dunn MM, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1294–9

Successful management of Pseudomonas endogenous endophthalmitis. Cowan CL Jr, et al. **Ann Ophthalmol** 1983 Jun;15(6):559–61

Successful transthoracic drainage of infected traumatic pneumatocele [letter] Asplund MW, et al. **Chest** 1986 Nov; 90(5):788

Immunoactivity of antibacterial immune–RNA and its clinical application. Yang MJ, et al. **Chin Med J [Engl]** 1986 Jul;99(7):587–91

Infections complicating puncture wounds of the foot. Joseph WS, et al. **J Foot Surg** 1987 Jan–Feb;26(1 Suppl):S30–3

Passive immune therapy for experimental Pseudomonas aeruginosa pneumonia in the neutropenic host. Pennington JE, et al. **J Infect Dis** 1987 May;155(5):973–8

The outlook for prevention and treatment of infections due to Pseudomonas aeruginosa. Young LS, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S769–74

[Inflammations of the cornea (keratitis dendritica, pseudomonas keratitis, endotheliitis)] Sundmacher R. **Fortschr Ophthalmol** 1987;84(1):15–21 (Eng. Abstr.) **(Ger)**

[Experiences with a Pseudomonas immunoglobulin in artificially respirated patients with Pseudomonas pneumonia at a surgical intensive care unit] Böhm D. **Infection** 1987 Jan–Feb;15(1):73–5 (Eng. Abstr.) **(Ger)**

[Experiences with a Pseudomonas immunoglobulin in ventilated patients with Pseudomonas pneumonia in a surgical intensive care station] Böhm D. **Infection** 1987;15 Suppl 2:S64–6 (Eng. Abstr.) **(Ger)**

[Use of Pseudomonas immunoglobulin in artificially respirated patients at an interdisciplinary surgical intensive care unit] Class I, et al. **Infection** 1987 Jan–Feb;15(1):76–9 (Eng. Abstr.) **(Ger)**

[Use of pseudomonas immunoglobulin in ventilated patients at an interdisciplinary surgical intensive care station] Class I, et al. **Infection** 1987;15 Suppl 2:S67–70 (Eng. Abstr.) **(Ger)**

[Prevention of gram–negative and gram–positive infections with 3 intravenous immunoglobulin preparations and therapy of experimental polymicrobial burn infection with intravenous Pseudomonas immunoglobulin G and ciprofloxacin in an animal model] Collins MS, et al. **Infection** 1987;15 Suppl 2:S51–9 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa immunoglobulin in experimental pneumonia] Pennington JE, et al. **Infection** 1987 Jan–Feb; 15(1):56–9 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa immunoglobulin in experimental pneumonia] Pennington JE, et al. **Infection** 1987;15 Suppl 2:S47–50 (Eng. Abstr.) **(Ger)**

[Combined effects of astromicin and human gamma–globulin prepared for intravenous use] Kurimoto T, et al. **Jpn J Antibiot** 1987 Feb;40(2):303–10 (Eng. Abstr.) **(Jpn)**

[Use of Pseudomonas aeruginosa multicomponent vaccine in patients with intractable lower respiratory tract infection associated with diffuse panbronchiolitis] Yoshimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):625–32 (Eng. Abstr.) **(Jpn)**

[Treatment of an infection due to the intraperitoneal inoculation of mice with Pseudomonas aeruginosa with tobramycin and hyperimmune Pseudomonas aeruginosa plasma used per se and in combination] Minukhin VV, et al. **Antibiot Med Biotekhnol** 1986 Oct;31(10):778–81 (Eng. Abstr.) **(Rus)**

[Complex treatment of infectious destructive lung diseases using frozen plasma and enzyme inhibitors] Sholkhet IaN, et al. **Grudn Khir** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**

[Experimental basis for the combined use of tobramycin and immune preparations for treating acute Pseudomonas aeruginosa infections] Minukhin VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):42–5 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Pseudomonas infection of the biliary system resulting from use of a contaminated endoscope. Allen JI, et al. **Gastroenterology** 1987 Mar;92(3):759–63

Hospital epidemiology of Pseudomonas aeruginosa from patients with cystic fibrosis. Speert DP, et al. **J Hosp Infect** 1987 Jan;9(1):11–21

[Hospital infection caused by Pseudomonas cepacia originating from the use of contaminated disinfectant soap] Gini G. **Rev Latinoam Microbiol** 1986 Jul–Sep; 28(3):197–200 (Eng. Abstr.) **(Spa)**

VETERINARY

Cholecystitis and bronchopneumonia associated with Pseudomonas aeruginosa in a koala. Oxenford CJ, et al. **Aust Vet J** 1986 Oct;63(10):338–9

Some bacterial diseases of spotted deer (Axis axis). Arora BM. **Vet Rec** 1987 Apr 25;120(17):420

Pseudomonas aeruginosa mastitis in a Sabi ewe. Honhold N, et al. **Vet Rec** 1987 Jan 3;120(1):16

O–serotypes of Pseudomonas aeruginosa from animal and inanimate sources in Saudi Arabia. Barbour EK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):400–6

[Testing the protective effectiveness of vaccines against infection with Pseudomonas aeruginosa in mink (Lutreola vison)] Dousek J, et al. **Vet Med (Praha)** 1986 Nov; 31(11):695–704 (Eng. Abstr.) **(Cze)**

[Pseudomonas aeruginosa infections in turkey poults and treatment trials with apramycin] Hafez HM, et al.

Berl Munch Tierarztl Wochenschr 1987 Feb 1;100(2):48–51 (Eng. Abstr.) **(Ger)**

[O-serovars and antibiotic sensitivities in strains of Pseudomonas aeruginosa of human and animal origin] Zachöck M, et al. **Zentralbl Veterinarmed [B]** 1986 Aug; 33(6):440–6 (Eng. Abstr.) **(Ger)**

PSEUDOMYXOMA PERITONEI

DIAGNOSIS

[Echographic and computerized tomography aspects of pseudomyxoma peritonei: apropos of a case and review of the literature] Braude P, et al. **J Belge Radiol** 1987; 70(1):13–7 (Eng. Abstr.) **(Fre)**

[Pseudomyxoma peritonei in females. 13 personal cases. Practical deductions from a review of 420 cases in the literature] Darnis E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):343–53 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Biochemical identification of the mucus of pseudomyxoma peritonei as the basis for mucolytic treatment. Beller FK, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):970–3

Transplantation of human ovarian pseudomyxoma peritonei to nude mice and sensitivity to anticancer agents. Yakushiji M, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar; 13(1):113–9

ETIOLOGY

Mucocele and pseudomyxoma peritonei of appendiceal origin. Gupta SD, et al. **J Indian Med Assoc** 1986 Nov; 84(11):333–4

PATHOLOGY

Pseudomyxoma peritonei—benign or malignant [letter] Kochhar R. **Gastroenterology** 1986 Nov;91(5):1320–1

THERAPY

[Direct anti-tumor effect of recombinant human IFN-gamma evaluated in ovarian pseudomyxoma peritoneally transplanted into nude mice] Miyahara K, et al. **Gan To Kagaku Ryoho** 1987 Feb;14(2):411–5 (Eng. Abstr.) **(Jpn)**

PSEUDONEUROTIC SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

PSEUDONYMS see **ANONYMS AND PSEUDONYMS**

PSEUDOPODIA

ANALYSIS

The Dictyostelium discoideum 30,000-dalton protein is an actin filament-bundling protein that is selectively present in filopodia. Fechheimer M. **J Cell Biol** 1987 Jun; 104(6):1539–51

PATHOLOGY

Cytokine-induced pseudopodial protrusion is coupled to tumour cell migration. Guirguis R, et al. **Nature** 1987 Sep 17–23;329(6136):261–3

ULTRASTRUCTURE

Novel extracellular matrix and microtubule cables associated with pseudopodia of Astrammina rara, a carnivorous Antarctic foraminifer. Bowser SS, et al. **J Ultrastruct Mol Struct Res** 1986 Feb;94(2):149–60

PSEUDOPOLYARTHRITIS, RHIZOMELIC see **POLYMYALGIA RHEUMATICA**

PSEUDOPREGNANCY

Neuroendocrinology of coitally and noncoitally induced pseudopregnancy. Terkel J. **Ann NY Acad Sci** 1986; 474:76–94 (94 ref.)

Induction of maternal behavior in rats: effects of pseudopregnancy termination and placenta-smeared pups. Steuer MA, et al. **Behav Neurosci** 1987 Apr;101(2):219–27

Transient shortening of estrous cycles in aging C57BL/6J mice: effects of spontaneous pseudopregnancy, progesterone, L-dihydroxyphenylalanine, and hydergine. Flurkey K, et al. **Biol Reprod** 1987 May;36(4):949–59

Seasonal variations in the responses of luteal and follicular luteinizing hormone-stimulated adenylyl cyclases to estradiol implants and implant removal in pseudopregnant rabbits. Kirchick HJ, et al. **Comp Biochem Physiol [A]** 1986; 84(4):709–13

Decidua and the control of corpus luteum function, follicular development and pituitary LHRH-responsiveness in pseudopregnant and pregnant rats. Schuiling GA, et al. **Experientia** 1987 Aug 15;43(8):895–8

Transformation of endometrium and fertility in late stages of pseudopregnancy in the rabbit. Fischer B, et al. **J Reprod Fertil** 1986 Nov;78(2):529–40

Length of pseudopregnancy and pattern of uterine protein release as influenced by time and duration of oestrogen administration in the pig. Geisert RD, et al. **J Reprod Fertil** 1987 Jan;79(1):163–72

Influence of adrenergic receptors on ovarian progesterone secretion in the pseudopregnant cat and oestradiol secretion in the oestrous cat. Wheeler AG, et al. **J Reprod Fertil** 1987 Jan;79(1):195–205

Effect of indomethacin on the progesterone secretion of hysterectomized pseudopregnant rats. Sánchez-Criado JE, et al. **Rev Esp Fisiol** 1986 Sep;42(3):295–9

BLOOD

The effects of transient dopamine antagonism on thyrotropin-releasing hormone-induced prolactin release in pseudopregnant rats. Haisenleder DJ, et al. **Endocrinology** 1986 Nov;119(5):1989–95

Hormone profiles for progesterone, oestradiol, prolactin, plasma renin activity, aldosterone and corticosterone during pregnancy and pseudopregnancy in two strains of rat: correlation with renal studies. Garland HO, et al. **J Endocrinol** 1987 Jun;113(3):435–44

Restraint stress depresses prolactin surges in pseudopregnant rats and adrenalectomy does not alter the response. Morehead MH, et al. **Life Sci** 1987 Sep 21;41(12):1491–8

IMMUNOLOGY

Characterization of hormone-dependent suppressor cells in the uterus of mated and pseudopregnant mice. Brierley J, et al. **J Reprod Immunol** 1987 Mar;10(3):201–17

METABOLISM

Influence of oxygen tension and substrates on basal and luteinizing hormone stimulated progesterone production and energy metabolism by isolated corpora lutea of adult pseudopregnant rats. Gåfvels M, et al. **Acta Physiol Scand** 1987 Jul;130(3):475–82

Uterine progesterone metabolism during early pseudopregnancy in the rat. Redmond AF, et al. **Biol Reprod** 1986 Nov;35(4):949–55

Binding of a novel prostaglandin F 2 alpha-derivative (ZK 71 677) to pseudopregnant rat ovaries. Brambaifa N. **J Recept Res** 1986;6(3–4):195–207

Effects of dihydrotestosterone on progesterone secretion in pseudopregnant rats. Sridaran R, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):328–32

PATHOLOGY

Morphology and morphometry of the rabbit uterus during pseudopregnancy. Arnold R, et al. **Acta Anat (Basel)** 1986; 127(2):119–24

Structure of quick-frozen tight junctions in uterine epithelium of pseudopregnant rabbits. Winterhager E, et al. **Z Mikrosk Anat Forsch** 1987;101(1):179–85

[The role of prolactin and sex steroids in the pathophysiology of the milk gland. 1. Morphological appearance of the milk gland in pseudopregnant female rabbits after active immunization with estradiol] Wolczyński S, et al. **Ginekol Pol** 1986 May;57(5):321–6 (Eng. Abstr.) **(Pol)**

[The role of prolactin and sex steroids in the pathophysiology of the milk gland. 2. Morphological appearance of the milk gland in pseudopregnant female rabbits after active immunization with prolactin] Wolczyński S, et al. **Ginekol Pol** 1986 May;57(5):327–31 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Evidence for multiple uterine modulators of rabbit luteal function: the effect of hysterectomy during pseudopregnancy in the estrogen-treated rabbit. Miller JB, et al. **Biol Reprod** 1987 Apr;36(3):572–80

Beta-endorphin in uterine secretions of pseudopregnant and ovariectomized, ovarian steroid-treated gilts. Li WI, et al. **Endocrinology** 1987 Sep;121(3):1111–5

Redistribution of ovarian blood flow after injection of human chorionic gonadotropin and luteinizing hormone in the adult pseudopregnant rat. Norjavaara E, et al. **Endocrinology** 1987 Jan;120(1):107–14

Pituitary function in human pseudocyesis. Forsbach G, et al. **J Endocrinol Invest** 1987 Feb;10(1):39–43

A comparative study of the reproductive effects of methadone and benzo[a]pyrene in the pregnant and pseudopregnant rat. Bui QQ, et al. **Toxicology** 1986 Dec 15;42(2–3):195–204

PSYCHOLOGY

[On pseudocyesis] Cabiati EC, et al. **Minerva Ginecol** 1987 Mar;39(3):149–51 (Eng. Abstr.) **(Ita)**

VETERINARY

Treatment of pseudopregnancy with bromocriptin, an ergot alkaloid. Janssens LA. **Vet Rec** 1986 Aug 23;119(8):172–4

PSEUDOPSEUDOHYPOPARATHY = ROIDISM

COMPLICATIONS

Case study of a family of pseudohypoparathyroidism and pseudopseudohypoparathyroidism. Prasad VG, et al. **J Assoc Physicians India** 1986 Aug;34(8):600–2

PSEUDOPSYCHOPATHIC SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

PSEUDOPSYCHOSIS see **FACTITIOUS DISORDERS**

PSEUDORABIES

Rabies and other viral diseases. Heuschele WP. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):45–59

COMPLICATIONS

Studies on the pathogenesis of heart lesions in dogs infected with pseudorabies virus. Olson GR, et al. **Can J Vet Res** 1986 Apr;50(2):245–50

DIAGNOSIS

Pseudorabies in man [letter] Mravak S, et al. **Lancet** 1987 Feb 28;1(8531):501–2

Elisadisc update [letter] Banks M. **Vet Rec** 1987 Apr 11; 120(15):375

[Use of immunoenzyme (ELISA) diagnosis of Aujeszky's disease in pigs during the recovery period] Rodák L, et al. **Vet Med (Praha)** 1986 Oct;31(10):593–8 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Antiviral effectiveness of butylated hydroxytoluene against pseudorabies (Aujeszky's disease) virus in cell culture, mice, and swine. Pirtle EC, et al. **Am J Vet Res** 1986 Sep; 47(9):1892–5

Comparative efficacy of three 2'-fluoropyrimidine nucleosides and 9-(1,3-dihydroxy-2-propoxymethyl)guanine (BW B759U) against pseudorabies and equine rhinopneumonitis virus infection in vitro and in laboratory animals. Rollinson EA. **Antiviral Res** 1987 Jan;7(1):25–33

Enhancement of non-specific antiviral defence mechanisms in NMRI-mice by cell culture mediators. Reubel G, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):557–67

ECONOMICS

Economic assessment of a pseudorabies epizootic, breeding herd removal/repopulation, and downtime in a commercial swine herd. Hoblet KH, et al. **J Am Vet Med Assoc** 1987 Feb 15;190(4):405–9

IMMUNOLOGY

Aujeszky's disease vaccination and infection of pigs with maternal immunity: effects on cell- and antibody-mediated immunity. Wittmann G, et al. **Arch Virol** 1987; 92(1–2):87–101

Demonstration of Aujeszky's disease virus antigen in naturally infected cattle by immunoperoxidase method. Matsuoka T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):725–7

Local humoral and cellular responses in Aujeszky's disease virus infection in pigs. Martin S, et al. **Res Vet Sci** 1987 Mar;42(2):170–4

Intranasal vaccination of pigs against Aujeszky's disease: comparison with one or two doses of attenuated vaccines in pigs with high maternal antibody titres. Van Oirschot JT. **Res Vet Sci** 1987 Jan;42(1):12–6

Porcine effector mechanisms: antibody-dependent cell-mediated cytotoxicity of pseudorabies-infected target cells. Kensinger M, et al. **Vet Immunol Immunopathol** 1987 Mar;14(3):223–31

Four-layer enzyme immunoassay (EIA) detection of differences in IgG, IgM and IgA antibody response to Aujeszky's disease virus in infected and vaccinated pigs. Rodák L, et al. **Vet Microbiol** 1987 Feb;13(2):121–33

Role of glycoproteins of pseudorabies virus in eliciting neutralizing antibodies. Ben-Porat T, et al. **Virology** 1986 Oct 30;154(2):325–34

A proof of protection of cattle with differing degrees of immunity against infectious bovine rhinotracheitis against experimental infection by Aujeszky's disease virus. Zuffa A, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):425–33

[The effect of colostral immunity on the active formation of antibodies in pigs after the administration of inactivated vaccine against Aujeszky's disease] Váliček L, et al. **Vet Med (Praha)** 1987 May;32(5):289–300 (Eng. Abstr.) **(Cze)**

[Are neutralizing antibodies detectable in the ejaculate of boars following vaccination for Aujeszky's disease?] Wittmann G, et al. **DTW** 1986 Jul 23;93(7):308–9 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Detection of latent pseudorabies virus in porcine tissue, using a DNA hybridization dot-blot assay. McFarlane RG, et al. **Am J Vet Res** 1986 Nov;47(11):2329–36

Herpesvirus (pseudorabies virus) latency in swine: occurrence and physical state of viral DNA in neural tissues. Rziha HJ, et al. **Virology** 1986 Dec;155(2):600–13

[Electron microscopy of Aujeszky's disease virus in explants of Gasser's ganglion from pigs with a latent infection] Váliček L, et al. **Vet Med (Praha)** 1986 Aug;31(8):469–76 (Eng. Abstr.) **(Cze)**

OCCURRENCE

Outbreak of Aujeszky's disease in cattle in Japan. Matsuoka T, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):507–10

PATHOLOGY

A necrotizing pneumonia in lambs caused by pseudorabies virus (Aujeszky's disease virus). Schmidt SP, et al. **Can J Vet Res** 1987 Jan;51(1):145–9

Pathological changes in HPCD pigs with prednisolone induced recrudescence of pseudorabies virus. Narita M, et al. **J Comp Pathol** 1987 May;97(3):309–19

Natural case of Aujeszky's disease in the dog in Japan. Hara M, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):645–9

Natural and experimental Aujeszky's disease virus hepatitis in the neonatal calf. Maenhout D, et al. **Zentralbl Veterinarmed [B]** 1986 Sep;33(7):502–7

PREVENTION & CONTROL

Second-generation pseudorabies virus vaccine with deletions in thymidine kinase and glycoprotein genes. Kit S, et al. **Am J Vet Res** 1987 May;48(5):780–93

Genetic control of immune response to pseudorabies and atrophic rhinitis vaccines: I. Heterosis, general combining ability and relationship to growth and backfat. Meeker DL, et al. **J Anim Sci** 1987 Feb;64(2):407–13

Genetic control of immune response to pseudorabies and atrophic rhinitis vaccines: II. Comparison of additive direct and maternal genetic effects. Meeker DL, et al. **J Anim Sci** 1987 Feb;64(2):414–9

Functional antibody responses in pigs vaccinated with live and inactivated Aujeszky's disease virus. Martin S, et al. **Res Vet Sci** 1986 Nov;41(3):331–5

Vaccine test okayed [news] Crawford MH. **Science** 1987 May 29;236(4805):1058

Eight years' experience with a register of pig herds monitored for Aujeszky's disease. Goodwin RF, et al. **Vet Rec** 1986 Nov 15;119(20):493–4

Vaccination against Aujeszky's disease by different routes using live attenuated and inactivated virus vaccines in pigs with or without passive immunity. Vannier P. **Zentralbl Veterinarmed [B]** 1986 Nov;33(9):704–12

[Trends in the control of Aujeszky's disease in the Netherlands] van Oirschot JT. **Tijdschr Diergeneeskd** 1986 Oct 15;111(20):988 **(Dut)**

THERAPY

Tests on protection against viral diseases. Büttner M, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(2–3):205–15

TRANSMISSION

Aujeszky's disease of sheep: experimental studies on the excretion and horizontal transmission of the virus. Mocsári E, et al. **Vet Microbiol** 1987 Apr;13(4):353–9

Failure to induce Aujeszky's disease in cattle by intranasal administration of high doses of vaccine virus. van Oirschot JT. **Vet Rec** 1987 Jun 27;120(26):619–20

VETERINARY

Phagocytosis and intracellular killing of Pasteurella multocida by porcine alveolar macrophages after infection with pseudorabies virus. Fuentes M, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):165–72

PSEUDORABIES VIRUS

Binding, uptake and retrograde axonal transport of herpes virus suis in sympathetic neurons. Marchand CF, et al. **Brain Res** 1986 Sep 24;383(1–2):262–70

ANALYSIS

Comparison of Aujeszky's disease (pseudorabies) virus strains by SDS–PAGE of the virus proteins. Todd D, et al. **Arch Virol** 1987;92(3–4):301–7

Analysis of pseudorabies virus glycoprotein gIII localization and modification by using novel infectious viral mutants carrying unique EcoRI sites. Ryan JP, et al. **J Virol** 1987 Oct;61(10):2962–72

Restriction endonuclease analysis of Aujeszky's disease viruses isolated in Japan. Nishimori T, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):365–7

[Comparative electrophoretic studies of the virion proteins of virulent and vaccinal strains of Aujeszky's disease virus] Khristova V. **Vet Med Nauki** 1986;23(8):27–33 (Eng. Abstr.) **(Bul)**

DRUG EFFECTS

Antiviral effectiveness of butylated hydroxytoluene against pseudorabies (Aujeszky's disease) virus in cell culture, mice, and swine. Pirtle EC, et al. **Am J Vet Res** 1986 Sep; 47(9):1892–5

The properties of Aujeszky's disease (pseudorabies) virus after serial passages in chick-embryo cell cultures in the presence of ethyl p-chlorphenoxyisobutyrate (CPIB). Rotkiewicz Z, et al. **Zentralbl Veterinarmed [B]** 1986 Dec; 33(10):758–61

ENZYMOLOGY

Identification of viral polypeptides involved in pseudorabies virus ribonucleotide reductase activity. Cohen EA, et al. **J Virol** 1987 Jun;61(6):2046–9

GENETICS

Second-generation pseudorabies virus vaccine with deletions in thymidine kinase and glycoprotein genes. Kit S, et al. **Am J Vet Res** 1987 May;48(5):780–93

Construction of an infectious pseudorabies virus recombinant expressing a glycoprotein gIII–beta-galactosidase fusion protein. Keeler CL Jr, et al. **Gene** 1986;50(1–3):215–24

Construction and characterization of deletion mutants of pseudorabies virus: a new generation of 'live' vaccines. Quint W, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):523–34

Effects of a temperature-sensitive mutation in the immediate-early gene of pseudorabies virus on class II and class III gene transcription. Ahlers SE, et al. **J Virol** 1987 Apr;61(4):1103–7

Immediate-early protein of pseudorabies virus is not continuously required to reinitiate transcription of induced genes. Ahlers SE, et al. **J Virol** 1987 Apr;61(4):1258–60

Sequence of the genome ends and of the junction between the ends in concatemeric DNA of pseudorabies virus. Harper L, et al. **J Virol** 1986 Dec;60(3):1183–5

Evolution of pseudorabies virions containing genomes with an invertible long component after repeated passage in chicken embryo fibroblasts. Lomniczi B, et al. **J Virol** 1987 Jun;61(6):1772–80

Genome location and identification of functions defective in the Bartha vaccine strain of pseudorabies virus. Lomniczi B, et al. **J Virol** 1987 Mar;61(3):796–801

The pseudorabies virus gII gene is closely related to the gB glycoprotein gene of herpes simplex virus. Robbins AK, et al. **J Virol** 1987 Sep;61(9):2691–701

Replication and virulence of pseudorabies virus mutants lacking glycoprotein gX. Thomsen DR, et al. **J Virol** 1987 Jan;61(1):229–32

DNA sequences which regulate the expression of the pseudorabies virus major immediate early gene. Campbell ME, et al. **Virology** 1987 Apr;157(2):307–16

A small open reading frame in pseudorabies virus and implications for evolutionary relationships between herpesviruses. Petrovskis EA, et al. **Virology** 1987 Jul; 159(1):193–5

GROWTH & DEVELOPMENT

Comparison of stationary and roller cultures for the isolation of herpesviruses affecting livestock. King P, et al. **Microbiologica** 1987 Apr;10(2):241–5

Herpesvirus (pseudorabies virus) latency in swine: occurrence and physical state of viral DNA in neural tissues. Rziha HJ, et al. **Virology** 1986 Dec;155(2):600–13

IMMUNOLOGY

Swine antibody-dependent cellular cytotoxicity against pseudorabies virus-infected cells. el-Awar FY, et al. **Am J Vet Res** 1987 Mar;48(3):481–5

Aujeszky's disease vaccination and infection of pigs with maternal immunity: effects on cell- and antibody-mediated immunity. Wittmann G, et al. **Arch Virol** 1987; 92(1–2):87–101

Production of Aujeszky vaccine by the microcarrier technology "from the ampoule to the 500 litre fermentor" Baijot B, et al. **Dev Biol Stand** 1987;66:523–30

Deletions in vaccine strains of pseudorabies virus and their effect on synthesis of glycoprotein gp63. Petrovskis EA, et al. **J Virol** 1986 Dec;60(3):1166–9

Demonstration of Aujeszky's disease virus antigen in naturally infected cattle by immunoperoxidase method. Matsuoka T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):725–7

Local humoral and cellular responses in Aujeszky's disease virus infection in pigs. Martin S, et al. **Res Vet Sci** 1987 Mar;42(2):170–4

Intranasal vaccination of pigs against Aujeszky's disease: comparison with one or two doses of attenuated vaccines in pigs with high maternal antibody titres. Van Oirschot JT. **Res Vet Sci** 1987 Jan;42(1):12–6

Researcher reprimanded for pseudorabies test [news] Crawford M. **Science** 1986 Nov 7;234(4777):667–8

Four-layer enzyme immunoassay (EIA) detection of differences in IgG, IgM and IgA antibody response to Aujeszky's disease virus in infected and vaccinated pigs. Rodák L, et al. **Vet Microbiol** 1987 Feb;13(2):121–33

Failure to induce Aujeszky's disease in cattle by intranasal administration of high doses of vaccine virus. van Oirschot JT. **Vet Rec** 1987 Jun 27;120(26):619–20

Role of glycoproteins of pseudorabies virus in eliciting neutralizing antibodies. Ben-Porat T, et al. **Virology** 1986 Oct 30;154(2):325–34

A proof of protection of cattle with differing degrees of immunity against infectious bovine rhinotracheitis against experimental infection by Aujeszky's disease virus. Zuffa A, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):425–33

[The effect of colostral immunity on the active formation of antibodies in pigs after the administration of inactivated vaccine against Aujeszky's disease] Valíček L, et al. **Vet Med (Praha)** 1987 May;32(5):289–300 (Eng. Abstr.) **(Cze)**

[Trends in the control of Aujeszky's disease in the Netherlands] van Oirschot JT. **Tijdschr Diergeneeskd** 1986 Oct 15;111(20):988 **(Dut)**

ISOLATION & PURIFICATION

Detection of latent pseudorabies virus in porcine tissue, using a DNA hybridization dot–blot assay. McFarlane RG, et al. **Am J Vet Res** 1986 Nov;47(11):2329–36

METABOLISM

Induced proteins in cells infected with pseudorabies virus. Hahn EC, et al. **Arch Virol** 1987;94(3–4):247–57

A major phosphoprotein of cells infected with pseudorabies virus is phosphorylated by cellular casein kinase II. Jakubowicz T, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1159–63

Binding of the pseudorabies virus immediate-early protein to single-stranded DNA. Chlan CA, et al. **J Virol** 1987 Jun;61(6):1855–60

The processing of pseudorabies virus glycoprotein gX in infected cells and in an uninfected cell line. Bennett LM, et al. **Virology** 1986 Dec;155(2):707–15

Variability of pseudorabies virus glycoprotein I expression. Mettenleiter TC, et al. **Virology** 1987 May;158(1):141–6

PHYSIOLOGY

The phosphorylation of ribosomal protein S6 by protein kinases from cells infected with pseudorabies virus. Katan M, et al. **Biochem J** 1986 Oct 1;239(1):205–11

Role of pseudorabies virus glycoprotein gI in virus release from infected cells. Mettenleiter TC, et al. **J Virol** 1987 Sep;61(9):2764–9

[Comparison of the biological properties of various strains of Aujeszky's disease viruses] Večerka P. **Vet Med (Praha)** 1987 Jan;32(1):27–33 (Eng. Abstr.) **(Cze)**

ULTRASTRUCTURE

[Electron microscopy of Aujeszky's disease virus in explants of Gasser's ganglion from pigs with a latent infection] Valíček L, et al. **Vet Med (Praha)** 1986 Aug;31(8):469–76 (Eng. Abstr.) **(Cze)**

PSEUDOSCLEROSIS see **HEPATOLENTICULAR DEGENERATION**

PSEUDOTUBERCULOSIS see **SARCOIDOSIS**

PSEUDOTUMOR CEREBRI

Pseudotumor cerebri. Bowman MA. **Am Fam Physician** 1987 Jan;35(1):177–82

[Benign intracranial hypertension] Sørensen PS, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1049–52 (Eng. Abstr.) **(Dan)**

[Cerebral pseudotumor and iron deficiency anemia (letter)] Buenaventura I, et al. **Rev Clin Esp** 1987 Apr;180(6):341 **(Spa)**

BLOOD

[Status of the kinin system in patients with intracerebral otogenic and rhinosinusogenic complications] Panin VI. **Vestn Otorinolaringol** 1987 May–Jun;(3):78–9 **(Rus)**

CEREBROSPINAL FLUID

Increased CSF levels of somatostatin in patients with brain tumours and intracranial hypertension. Stepień H, et al. **Horm Metab Res** 1986 Aug;18(8):555–7

CHEMICALLY INDUCED

Danazol and benign intracranial hypertension. Shah A, et al. **Br Med J [Clin Res]** 1987 May 23;294(6583):1323

Pseudotumor cerebri with amiodarone [letter] Grogan WA, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):651

Pseudotumor cerebri with amiodarone [letter] Van Zandijcke M, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec; 49(12):1463–4

[Convulsions with cerebrospinal fluid hypertension during treatment with nalidixic acid] Del Curto E, et al. **Minerva Pediatr** 1986 Sep 30;38(17–18):794–5 **(Ita)**

COMPLICATIONS

Visual loss in pseudotumor cerebri. Incidence and defects related to visual field strategy. Wall M, et al. **Arch Neurol** 1987 Feb;44(2):170–5

Optic nerve decompression [letter] Kellen RI, et al. **Arch Ophthalmol** 1987 Jul;105(7):889

Acute papilledema and visual loss in a patient with pseudotumor cerebri [letter] Pollock SC. **Arch Ophthalmol** 1987 Jun;105(6):752–3

Retinal haemorrhages and papilloedema due to benign intracranial hypertension in a pregnant diabetic. Wheatley T, et al. **Diabetic Med** 1986 Sep–Oct;3(5):482–4

[Experimental study on the effects of increased intracranial pressure on cardiac rhythm] Yang GY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Dec; 19(6):356–9 (Eng. Abstr.) **(Chi)**

[Idiopathic intracranial hypertension. Apropos of 2 cases] Mandelbaum-Stupp C, et al. **Bull Soc Ophtalmol Fr** 1986 Jan;86(1):65–6 (Eng. Abstr.) **(Fre)**

[Mutual relations between the local shift of the brain stem, change in brain stem function, and transtentorial herniation during the gradual expansion of an intracerebral balloon]

Misu N, et al. **Neurol Med Chir (Tokyo)** 1986 Oct; 26(10):751–8 (Eng. Abstr.) **(Jpn)**

[Benign intracranial hypertension (pseudotumor cerebri) in a patient with Hodgkin's disease] Fernández-Solá J, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):160–1 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Syphilitic meningitis masquerading as pseudotumor cerebri [letter] Bakchine S, et al. **Arch Neurol** 1987 May;44(5):473

Controversies in diagnosis and management of pseudotumor cerebri [letter] Carlow TJ, et al. **Arch Neurol** 1987 Feb; 44(2):128–9

Pseudotumor cerebri. Bence BG, et al. **J Am Optom Assoc** 1986 Oct;57(10):751–4

Otologic manifestations of benign intracranial hypertension syndrome: diagnosis and management. Sismanis A. **Laryngoscope** 1987 Aug;97(8 Pt 2 Suppl 42):1–17 (104 ref.)

[Benign intracranial hypertension or pseudotumor cerebri] Van Coppenolle F, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):813–4, 817–8 **(Fre)**

[Neurologic manifestations of Behçet's disease] Mohattane A, et al. **Maroc Med** 1986 Sep;8(3):377–83 (Eng. Abstr.) **(Fre)**

[Intracranial hypertension following craniocerebral trauma] Geiger K. **Med Klin** 1987 Jul 17;82(15–16):538–45, 518 (48 ref.) **(Ger)**

[Increased intracranial pressure in newborn infants] Lütschg J. **Monatsschr Kinderheilkd** 1987 Jul;135(7):446–9 **(Ger)**

[Eye and headache. Ophthalmologic findings in pseudotumor cerebri and Tolosa–Hunt syndrome] Gruber H. **Wien Med Wochenschr** 1987 Jul 15;137(13):293–4 (Eng. Abstr.) **(Ger)**

[Pseudotumor cerebri: 19 cases in childhood] Guizzardi G, et al. **Pediatr Med Chir** 1986 Mar–Apr;8(2):253–4 (Eng. Abstr.) **(Ita)**

[Benign intracranial hypertension in pregnant women] Deev AS. **Sov Med** 1987;(3):96–8 **(Rus)**

DRUG THERAPY

Pentobarbital pharmacokinetics in patients with severe head injury. Wermeling DP, et al. **Drug Intell Clin Pharm** 1987 May;21(5):459–63

Effect on intracranial pressure of furosemide combined with varying doses and administration rates of mannitol. Roberts PA, et al. **J Neurosurg** 1987 Mar;66(3):440–6

Althesin in the management of ICP following head injury [letter] Sheriff DS. **J Neurosurg** 1987 Jun;66(6):948–9

[Long-term behavior of ventricular fluid pressure in automatically controlled infusion therapy with sorbitol and relation to clinical and paraclinical parameters] Brachmann J, et al. **Zentralbl Neurochir** 1987;48(1):9–17 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Benign intracranial hypertension: a complication of subclavian vein catheterization and arteriovenous fistula. Lal SM, et al. **Am J Kidney Dis** 1986 Oct;8(4):262–4

Benign intracranial hypertension: a complication of subclavian vein catheterization and arteriovenous fistula [letter] Rotellar C. **Am J Kidney Dis** 1987 Mar;9(3):242

The effects of local intraparenchymal pentobarbital on intracranial hypertension following experimental subarachnoid hemorrhage. Hayashi M, et al. **Anesthesiology** 1987 Jun;66(6):758–65

Chronic intracranial hypertension secondary to neurobrucellosis. Diaz Espejo CE, et al. **J Neurol** 1987 Jan; 234(1):59–61

Intracranial hypertension without hydrocephalus due to small bleedings from a giant carotid aneurysm. Trapelli F, et al. **J Neurosurg Sci** 1985 Oct–Dec;29(4):293–5

Pseudotumor cerebri and childhood systemic lupus erythematosus. DelGiudice GC, et al. **J Rheumatol** 1986 Aug;13(4):748–52

Dural sinus thrombosis: a mechanism for pseudotumor cerebri in systemic lupus erythematosus. Parnass SM, et al. **J Rheumatol** 1987 Feb;14(1):152–5

Endocrinology of pseudotumor cerebri. Donaldson JO. **Neurol Clin** 1986 Nov;4(4):919–27

Behçet's disease presenting as benign intracranial hypertension. Wilkins MR, et al. **Postgrad Med J** 1986 Jan; 62(723):39–41

Pseudopseudotumor cerebri: meningeal carcinomatosis presenting as benign intracranial hypertension. Allen RS, et al. **South Med J** 1987 Sep;80(9):1182–3

[Intracranial hypertension during status asthmaticus] Gaussorgues P, et al. **Ann Fr Anesth Reanim** 1987; 6(1):38–41 (Eng. Abstr.) **(Fre)**

[Intracranial hypertension and hydrocephalus caused by spinal cord tumors. Apropos of 3 cases] Neau JP, et al. **Neurochirurgie** 1987;33(3):216–9 (Eng. Abstr.) **(Fre)**

[Benign intracranial hypertension and Marchiafava–Micheli disease] Benoit P, et al. **Rev Neurol (Paris)** 1986; 142(10):782–5 (Eng. Abstr.) **(Fre)**

[A case of multiple myeloma showing intracranial hypertension due to large cranial mass lesions] Sugita K, et al. **No To Shinkei** 1986 Jul;38(7):625–9 (Eng. Abstr.) **(Jpn)**

[Benign intracranial hypertension in infectious mononucleosis (letter)] Salazar Benitez JA, et al. **Med Clin (Barc)** 1987 Jan 24;88(3):123 **(Spa)**

[Pulmonary edema of non-cardiogenic origin (letter)] Campos JM, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):156–7 **(Spa)**

PATHOLOGY

Echographic measurement of the optic nerve in patients with intracranial hypertension. Gangemi M, et al. **Neurochirurgia (Stuttg)** 1987 Mar;30(2):53–5

[Fatal intracranial increase in pressure caused by a colloid cyst of the 3d ventricle not diagnosed intra vitam] Hochmeister M, et al. **Wien Klin Wochenschr** 1987 Mar 20;99(6):194–6 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cerebrovascular response to intracranial hypertension. Auer LM, et al. **Acta Neurochir (Wien)** 1987;84(3–4):124–8

Absence of hydrocephalus in spite of impaired cerebrospinal fluid absorption and severe intracranial hypertension. Hansen K, et al. **Acta Neurochir (Wien)** 1987;86(3–4):93–7

The effect of raised intracranial pressure on intracochlear fluid pressure: three case studies. Marchbanks RJ, et al. **Br J Audiol** 1987 May;21(2):127–30

Role of the medulla oblongata in plateau-wave development in dogs. Hayashi M, et al. **J Neurosurg** 1987 Jul; 67(1):97–101

Increased intracranial pressure—pathophysiology and management. Salloum AH. **Middle East J Anesthesiol** 1986 Oct;8(6):529–40

Intracranial hypertension: influence of nursing care activities. Mitchell PH. **Nurs Clin North Am** 1986 Dec;21(4):563–76 (45 ref.)

Perimetric findings in pseudotumor cerebri using automated techniques. Smith TJ, et al. **Ophthalmology** 1986 Jul; 93(7):887–94

Experimental study of intracranial hypertension. Shi ZY, et al. **Sci Sin [B]** 1986 Dec;29(12):1303–15

Pseudotumor cerebri [editorial] Hoffman HJ. **Surg Neurol** 1987 Apr;27(4):405

[Elastic properties of the cerebrospinal system and cerebrospinal fluid dynamics in intracranial hypertension and normotensive hydrocephalus in adults] Razumovskiĭ AE, et al. **Zh Vopr Neirokhir** 1986 Nov–Dec;(6):53–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Barbiturate therapy in 16 cases with intracranial lesion with special reference to the indication and limitation] Hashimoto M, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):149–56 (Eng. Abstr.) **(Jpn)**

SURGERY

Successful management of severe intracranial hypertension by surgical decompression. Kirkham FJ, et al. **Dev Med Child Neurol** 1986 Aug;28(4):506–9

Surgical treatment of pseudotumor cerebri. Smith CH, et al. **Int Ophthalmol Clin** 1986 Winter;26(4):265–75

[Value of neurosurgery in pseudotumor encephalomalacia] Vlahovitch B, et al. **Agressologie** 1987 Mar;28(3):383–6 (Eng. Abstr.) **(Fre)**

[Case of pseudotumor cerebri associated with macrocephalus] Asano N, et al. **No To Hattatsu** 1987 Jan;19(1):68–9 **(Jpn)**

THERAPY

ICP monitoring—current status and future directions. Miller JD. **Acta Neurochir (Wien)** 1987;85(3–4):80–6

Reversal of benign intracranial hypertension by surgically induced weight loss. Amaral JF, et al. **Arch Surg** 1987 Aug; 122(8):946–9

Benign intracranial hypertension: a clinical lesson. Pampapathi MR, et al. **J R Army Med Corps** 1987 Jun; 133(2):82–4

[External lumbar drainage in Listeria monocytogenes meningitis (letter)] Bouffet E, et al. **Presse Med** 1986 Sep 13;15(29):1380 **(Fre)**

[Barbiturate-induced coma in the treatment of severe cranio-cerebral injuries in children] Ferber J, et al. **Pol Tyg Lek** 1987 Apr 21;42(16):467–70 (Eng. Abstr.) **(Pol)**

PSEUDOURIDINE see under **URIDINE**

PSEUDOXANTHOMA ELASTICUM

COMPLICATIONS

Angioid streaks associated with pseudoxanthoma elasticum in a 13-year-old patient. Grand MG, et al. **Ophthalmology** 1987 Feb;94(2):197–200

[Treatment of choroidal neovascular membranes in a case of pseudoxanthoma elasticum] Tassignon MJ, et al. **Bull Soc Belge Ophtalmol** 1985;214:107–12 (Eng. Abstr.) **(Fre)**

[Digestive hemorrhage disclosing systemic elastorrhexia (letter)] Mesnard B, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul;11(6–7):526–7 **(Fre)**

[A case of pseudoxanthoma elasticum associated with myocardial infarction which revealed the absence of significant narrowing of the coronary artery] Tahara Y, et al. **Kokyu To Junkan** 1986 Aug;34(8):905–10 (Eng. Abstr.) **(Jpn)**

[A case of pseudoxanthoma elasticum showing various heteroptics due to infarction of right parieto-occipital lobe] Maeda Y, et al. **No To Shinkei** 1987 Mar;39(3):251–6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnosis of pseudoxanthoma elasticum by scar biopsy in patients without characteristic skin lesions. Lebwohl M, et al. **N Engl J Med** 1987 Aug 6;317(6):347–50

FAMILIAL & GENETIC

Pseudoxanthoma elasticum and rheumatoid arthritis [letter] Praderio L, et al. **Arch Intern Med** 1987 Feb;147(2):206–7

[Cardiovascular manifestations of pseudoxanthoma elasticum (Grönblad-Strandberg syndrome)] Korn S, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):191–4 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[2 cases of pseudoxanthoma elasticum with hypofunction of T lymphocytes and granulocytes] Grochowska K. **Przegl Dermatol** 1986 Nov–Dec;73(6):486–90 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Pulmonary radiographic changes in pseudoxanthoma elasticum. Puvaneswary M. **Australas Radiol** 1986 Nov; 30(4):310–2

Groenblad Strandberg syndrome [letter] Garg SC, et al. **J Assoc Physicians India** 1986 Sep;34(9):671

[Pseudoxanthoma elasticum] Cassinelli A, et al. **Med Cutan Ibero Lat Am** 1986;14(5):311–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pitfalls of chest pain. Pseudoxanthoma elasticum. Sane DC, et al. **Chest** 1987 Jan;91(1):134–5

PSILOCYBINE

ANALOGS & DERIVATIVES

Relief of obsessive-compulsive symptoms by LSD and psilocin [letter] Leonard HL, et al. **Am J Psychiatry** 1987 Sep;144(9):1239–40

HISTORY

[Ethnopharmacology and the history of the discovery of hallucinogenic drugs from European mushrooms of the Psilocybe family] Gartz J. **Z Arztl Fortbild (Jena)** 1986; 80(19):803–5 **(Ger)**

PSITTACINES

Acute pancreatic necrosis of galahs (Cacatua roseicapilla). Pass DA, et al. **Aust Vet J** 1986 Oct;63(10):340–1

Cerebellar defects in parrots. Reece RL, et al. **Aust Vet J** 1986 Jun;63(6):197–8

Zinc toxicity (new wire disease) in aviary birds. Reece RL, et al. **Aust Vet J** 1986 Jun;63(6):199

Characterization of a reo-like virus and its isolation from and pathogenicity for parrots. Graham DL. **Avian Dis** 1987 Apr–Jun;31(2):411–9

Papovavirus infection in hand-fed parrots: virus isolation and pathology. Graham DL, et al. **Avian Dis** 1987 Apr–Jun; 31(2):398–410

Neuropathic gastric dilatation in psittaciformes. Manni A, et al. **Avian Dis** 1987 Jan–Mar;31(1):214–21

Chronic rhinitis and sinusitis in budgerigars (Melopsittacus undulatus). Pass DA, et al. **Avian Dis** 1987 Apr–Jun; 31(2):425–7

Chlamydiosis in psittacine birds. Grimes JE. **J Am Vet Med Assoc** 1987 Feb 15;190(4):394–7

Pet psittacine birds: a continuing potential source of psittacosis for humans. Grimes JE, et al. **Tex Med** 1986 Nov;82(11):46–7

Psittacine beak and feather disease [letter] Cooper JE, et al. **Vet Rec** 1987 Mar 21;120(12):287

Psittacine beak and feather disease [letter] Jones AK. **Vet Rec** 1987 Feb 7;120(6):143

[Sporadic ornithosis in a parrot breeder] Patorska-Mach E, et al. **Wiad Lek** 1986 Sep 1;39(17):1201–3 **(Pol)**

EMBRYOLOGY

The development of the chondrocranium of Melopsittacus undulatus. de Kock JM. **Adv Anat Embryol Cell Biol** 1987; 104:1–70

GENETICS

Interordinal conservatism of chromosome banding patterns in Gallus domesticus (Galliformes) and Melopsittacus undulatus (Psittaciformes). Ansari HA, et al. **Cytogenet Cell Genet** 1986;43(1–2):6–9

IMMUNOLOGY

[And then the parrot appeared (letter)] Berrens L. **Ned Tijdschr Geneeskd** 1987 Jan 17;131(3):120–1 **(Dut)**

MICROBIOLOGY

Inclusion body hepatitis associated with adenovirus-like particles in a cockatiel (Psittaciformes; Nymphicus hollandicus). Scott PC, et al. **Aust Vet J** 1986 Oct; 63(10):337–8

Papillomas in psittacine birds [letter] Cooper JE, et al. **Vet Rec** 1986 Nov 22;119(21):535

PARASITOLOGY

Feather mites (Acarina) of the parakeet, Melopsittacus undulatus (Shaw) (Aves: Psittacidae). Atyeo WT, et al. **J Parasitol** 1987 Feb;73(1):203–6

SEM evidence for a new species, Giardia psittaci. Erlandsen SL, et al. **J Parasitol** 1987 Jun;73(3):623–9

Pathogenesis of Sarcocystis falcatula in the budgerigar. II. Pulmonary pathology. Smith JH, et al. **Lab Invest** 1987 Jan;56(1):72–84

Pathogenesis of Sarcocystis falcatula in the budgerigar. I. Early pulmonary schizogony. Smith JH, et al. **Lab Invest** 1987 Jan;56(1):60–71

[Leucocytozoon infections in parakeets] Spillmann SK, et al. **Schweiz Arch Tierheilkd** 1987 Apr;129(4):215–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The early ontogeny of ventilation and homeothermy in an altricial bird, Agapornis roseicollis (Psittaciformes). Bucher TL, et al. **Respir Physiol** 1986 Aug;65(2):197–212

SURGERY

Comparative efficiency and accuracy of surgical and cytogenetic sexing in psittacines. Prus SE, et al. **Avian Dis** 1987 Apr–Jun;31(2):420–4

Vasectomy in budgerigars (Melopsittacus undulatus). Samour JH, et al. **Vet Rec** 1987 Jan 31;120(5):115

PSITTACOSIS see **ORNITHOSIS**

PSITTACOSIS–LYMPHOGRANULOMA GROUP see **CHLAMYDIA**

PSORALEN ULTRAVIOLET A THERAPY see **PUVA THERAPY**

PSORALENS

Thermostability of double-stranded deoxyribonucleic acids: effects of covalent additions of a psoralen. Shi Y, et al. **Biochemistry** 1986 Oct 7;25(20):5895–902

Site specificity of psoralen–DNA interstrand cross-linking determined by nuclease Bal31 digestion. Zhen WP, et al. **Biochemistry** 1986 Oct 21;25(21):6598–603

Photochemical, photophysical and photobiological properties of some methylallopsoralens which are potential agents for photochemotherapy. Vedaldi D, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):101–8

Chemical structure of 3-carbethoxypsoralen–DNA photoadducts. Moysan A, et al. **Biochimie** 1986 Jun; 68(6):787–95

Isolation and characterization of psoralen photoadducts to DNA and related model compounds. Cadet J, et al. **IARC Sci Publ** 1986;(70):247–51

Fluorescence lifetimes of angular furocoumarins. Andreoni A, et al. **Photochem Photobiol** 1987 Aug;46(2):169–73

Singlet oxygen generation by furocoumarins: effect of DNA and liposomes. Bian QA, et al. **Photochem Photobiol** 1987 Feb;45(2):177–83

Photobinding of psoralens to bacterial macromolecules in situ and induction of genetic effects in a bacterial test system. Effects of singlet oxygen diagnostic aids D2O and DABCO. de Mol NJ, et al. **Photochem Photobiol** 1986 Dec; 44(6):747–55

Photoreaction of monofunctional 3-carbethoxypsoralen with DNA: identification and conformational study of the predominant cis-syn furan side monoadduct to thymine. Gaboriau F, et al. **Photochem Photobiol** 1987 Feb; 45(2):199–207

Photoreaction of psoralen derivatives with structurally organized DNA. Gia O, et al. **Photochem Photobiol** 1987 Jan;45(1):87–92

Interactions between DNA and psoralenamines studied with dichroism techniques. Nordén B, et al. **Photochem Photobiol** 1986 Nov;44(5):587–94

A flow linear dichroism study of the orientation of 4',5'-psoralen–DNA photoadducts. Vigny P, et al. **Photochem Photobiol** 1987 May;45(5):601–7

ADMINISTRATION & DOSAGE

Receptor-mediated photo-cytotoxicity: synthesis of a photoactivatable psoralen derivative conjugated to insulin. Gasparro FP, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):502–9

ADVERSE EFFECTS

Ocular effects of treatment with various psoralen derivatives and ultraviolet-A (UVA) radiation in HRA/Skh hairless mice. Barker FM, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):471–8

Aspects of psoralen phototumorigenesis with emphasis on the possible role of tumour promotion. Young AR. **Biochimie** 1986 Jun;68(6):885–9 (53 ref.)

Indoor and outdoor efficacy testing of a broad-spectrum sunscreen against ultraviolet A radiation in psoralen-sensitized subjects. Lowe NJ, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):224–30

ANALYSIS

Relative reactivities of the excited states of furocoumarins for [2 + 2] photocycloaddition reaction with tetramethylethylene. Shim SC, et al. **Photochem Photobiol** 1987 Apr;45(4):453–8

[TLC-fluorometric determination of psoralen and isopsoralen in compound granules of Psoralea] Huang XS. **Chung Yao Tung Pao** 1987 Jan;12(1):26–9 **(Chi)**

[Psoralens of therapeutic value. Study of physicochemical properties usable in liquid chromatography] Prognon P, et al. **Ann Pharm Fr** 1986;44(1):19–29 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Differential response of cultured parsley cells to elicitors from two non-pathogenic strains of fungi. Microsomal conversion of (+)marmesin into psoralen. Wendorff H, et al. **Eur J Biochem** 1986 Dec 1;161(2):391–8

DIAGNOSTIC USE

Reduced 4,5',8-trimethylpsoralen cross-linking of left-handed Z-DNA stabilized by DNA supercoiling. Sinden RR, et al. **Biochemistry** 1987 Mar 10;26(5):1343–50

Use of nonisotopic M13 probes for genetic analysis: application to HLA class II loci. Sheldon EL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9085–9

METABOLISM

Construction of DNA substrates modified with psoralen at a unique site and study of the action mechanism of ABC excinuclease on these uniformly modified substrates. Van Houten B, et al. **J Biol Chem** 1986 Oct 25;261(30):14135–41

Characterization of a photoalkylated psoralen receptor in HeLa cells. Yurkow EJ, et al. **J Biol Chem** 1987 Jun 25; 262(18):8439–42

DNA adducts of medicinal drugs: some selected examples. Metzler M. **J Cancer Res Clin Oncol** 1986;112(3):210–5 (33 ref.)

Action mechanism of ABC excision nuclease on a DNA substrate containing a psoralen crosslink at a defined position. Van Houten B, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8077–81

[Production of oxygen radicals and the UV spectrum of furanocoumarins] Bovalini L, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):613–8 (Eng. Abstr.) **(Ita)**

[Effect of antioxidants on the psoralen photo-oxidation process] Potapenko AIa, et al. **Biofizika** 1986 Jul–Aug; 31(4):549–54 (Eng. Abstr.) **(Rus)**

[Electrophoresis of DNA fragments renatured and cross-linked with psoralen: kinetic analysis of DNA photocross-linking] Gonikberg EM, et al. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):1039–47 (Eng. Abstr.) **(Rus)**

[Measuring the bleomycin-induced paired damage of two DNA chains by a method of psoralen photocross-linking] Gonikberg EM, et al. **Mol Biol (Mosk)** 1986 Jul–Aug; 20(4):1048–52 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Formation by bifunctional furocoumarins of DNA crosslinks and their repair in cultured mouse embryo fibroblasts. Szafarz D. **Biochem Int** 1986 Nov;13(5):735–9

Photosensitization of SV 40 DNA mediated by promazine derivatives and 4'-hydroxymethyl-4,5',8-trimethylpsoralen. Inhibition of the in vitro transcription. Decuyper J, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1069–76

Inactivation of human liver cytochrome P-450 by the drug methoxsalen and other psoralen derivatives. Tinel M, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):951–5

Measurement of interstrand cross-link frequency and distance between interruptions in DNA exposed to 4,5',8-trimethylpsoralen and near-ultraviolet light. Matsuo N, et al. **Biochemistry** 1987 Apr 7;26(7):2001–9

Photosensitization of mammalian cells by psoralens and porphyrins. Moreno G. **Biochimie** 1986 Jun;68(6):869–73 (63 ref.)

Processing of psoralen adducts in an active human gene: repair and replication of DNA containing monoadducts and interstrand cross-links. Vos JM, et al. **Cell** 1987 Aug 28;50(5):789–99

The repair of psoralen monoadducts by the Escherichia coli UvrABC endonuclease. Yeung AT, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4957–71

Effect of molecular structure on the photophysical properties, the photoreactivity with DNA and the photobiological activity of monofunctional pyridopsoralens. Blais J, et al. **Photochem Photobiol** 1987 Apr;45(4):465–72

Depletion of cutaneous glutathione by ultraviolet radiation. Connor MJ, et al. **Photochem Photobiol** 1987 Aug; 46(2):239–45

Isopimpinellin is not phototoxic to viruses and cells. Hudson JB, et al. **Planta Med** 1987 Jun;53(3):306–7

Psoralens potentiate ultraviolet light-induced inhibition of epidermal growth factor binding. Laskin JD, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8211–5

POISONING

An outbreak of phototoxic dermatitis due to limes. Gross TP, et al. **Am J Epidemiol** 1987 Mar;125(3):509–14

RADIATION EFFECTS

C4-cyclodimers of psoralen engaging the 4',5'-double bond. Caffieri S, et al. **Photochem Photobiol** 1987 Jan;45(1):13–8

THERAPEUTIC USE

[Testing the monooxygenase enzyme system of the liver using the antipyrine test in psoriasis patients] Akovbian VA, et al. **Vestn Dermatol Venerol** 1986;(9):38–41 (Eng. Abstr.) **(Rus)**

TOXICITY

Protective effects of beta-carotene against psoralen phototoxicity: relevance to protection against carcinogenesis. Kornhauser A, et al. **Basic Life Sci** 1986; 39:465–81

4,5',8-Trimethylpsoralen. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:357–71

3-Carbethoxypsoralen. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:317–26

Some naturally occurring and synthetic food components, furocoumarins and ultraviolet radiation. IARC Working Group. Lyon, 15–22 October 1985. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:1–415

Pyrido[3,4-c]psoralen and 7-methylpyrido[3,4-c]psoralen. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:349–56

Angelicin and some synthetic derivatives. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:291–315

Suppressible base substitution mutations induced by angelicin (isopsoralen) in the Escherichia coli lacI gene: implications for the mechanism of SOS mutagenesis [published erratum appears in J Bacteriol 1987 Aug;169(8):3866] Miller SS, et al. **J Bacteriol** 1987 Jun;169(6):2724–9

Mutagenic activity of four furocoumarins: angelicin, 4,5'-dimethyl-angelicin, psoralen and 8-methyl-psoralen on V79 Chinese hamster cells. Babudri N, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec;7(1–2):123–9

Toxicity of 8-methoxypsoralen, 5-methoxypsoralen, 3-carbethoxypsoralen, or 5-methylisopsoralen with ultraviolet radiation in the hairless (HRA/Skh) mouse. Dunnick JK, et al. **Toxicol Appl Pharmacol** 1987 Jun 15; 89(1):73–80

PSORIASIS

Childhood psoriasis. Hutton KP, et al. **Cutis** 1987 Jan; 39(1):26–7

Drugs in exacerbation of psoriasis. Abel EA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1007–22 (129 ref.)

[Articles on the subjects of psoriasis, eczema and neurodermatitis in the "Vestnik dermatologii i venerologii" 1950–1982] Pasternak NI, et al. **Vestn Dermatol Venerol** 1986;(12):35–8 (Eng. Abstr.) **(Rus)**

BLOOD

Cellular reactivity of polymorphonuclear leukocytes in psoriasis and atopic dermatitis—measurement of lucigenin-dependent chemiluminescence. Kapp A, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):285–9

Detection of leukotrienes in the serum of asthmatic and psoriatic patients. Uotila P, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):381–5

Serum lipoproteins in middle-aged men with psoriasis. Vahlquist C, et al. **Acta Derm Venereol (Stockh)** 1987; 67(1):12–5

Glucose and insulin responses are improved in patients with psoriasis during therapy with etretinate. Ellis CN, et al. **Arch Dermatol** 1987 Apr;123(4):471–5

Serum samples from patients with active psoriasis enhance lymphocyte-induced angiogenesis and modulate endothelial cell proliferation. Majewski S, et al. **Arch Dermatol** 1987 Feb;123(2):221–5

Increased aggregation and arachidonic acid transformation by psoriatic platelets: evidence that platelet-derived 12-hydroxy-eicosatetraenoic acid increases keratinocyte DNA synthesis in vitro. Kragballe K, et al. **Arch Dermatol Res** 1986;278(6):449–53

Arachidonic acid and LTB4 enhance aggregation of psoriatic peripheral blood mononuclear leukocytes in vitro. Pigatto PD, et al. **Arch Dermatol Res** 1987;279(5):347–50

Plasma somatomedin-C levels in psoriasis. Nickoloff BJ, et al. **Br J Dermatol** 1987 Jan;116(1):15–20

Morphological assessment of neutrophil leucocytes in psoriasis. Cox NH. **Clin Exp Dermatol** 1986 Jul;11(4):340–4

Plasma zinc is decreased only in generalized pustular psoriasis. Dreno B, et al. **Dermatologica** 1986;173(5):209–12

Serum beta 2 microglobulin in psoriasis and psoriatic patients.

Pagano L, et al. **Klin Wochenschr** 1987 Apr 1;65(7):341
Diurnal stage of circadian rhythm of plasma zinc in healthy and psoriatic volunteers. McMillan EM, et al. **Prog Clin Biol Res** 1987;227B:295–303
Zinc concentrations in rheumatoid and psoriatic arthritis. Are they relevant to the inflammatory process? Cimmino MA, et al. **Scand J Rheumatol** 1986;15(4):403–6
[Hyperplasia of growth hormone–producing cells in the hypophysis in psoriasis. Study of 10 patients] Weber G, et al. **Hautarzt** 1986 Aug;37(8):458–62 (Eng. Abstr.) (Ger)
[Lipid levels in patients with psoriasis treated by the PUVA method] Ruszczak Z, et al. **Przegl Dermatol** 1986 Nov–Dec; 73(6):447–50 (Eng. Abstr.) (Pol)
[Effect of the duration of skin eruptions on neutrophil enzyme activity in patients with psoriasis] Legieć C, et al. **Przegl Lek** 1987;44(4):393–6 (Eng. Abstr.) (Pol)
[Disorders of lipid peroxidation and of lysosomal hydrolase activity and their correction in psoriasis patients] Ivanova IP, et al. **Vestn Dermatol Venerol** 1987;(4):26–31 (Eng. Abstr.) (Rus)
[Spectrum of phospholipids in the plasma and erythrocytes of psoriasis patients] Lashmanova AP, et al. **Vestn Dermatol Venerol** 1986;(11):8–10 (Rus)
[Neutral lipid spectrum in the blood plasma and erythrocytes of patients with psoriasis] Olisova MO, et al. **Vestn Dermatol Venerol** 1986;(10):17–21 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Generalized pustular psoriasis precipitated by trazodone in the treatment of depression. Barth JH, et al. **Br J Dermatol** 1986 Nov;115(5):629–30
Psoriasiform eruption induced by captopril and chlorthalidone. Wolf R, et al. **Cutis** 1987 Aug;40(2):162–4
Pustular psoriasis associated with hydroxychloroquine [letter] Friedman SJ. **J Am Acad Dermatol** 1987 Jun;16(6):1256–7
A new concept in the pathogenesis of drug–induced psoriasis. Wolf R. **Med Hypotheses** 1986 Nov;21(3):277–9

COMPLICATIONS

Diltiazem–associated exfoliative dermatitis in a patient with psoriasis. Lavrijsen AP, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):536–8
Mitral valve prolapse (MVP) in psoriatic arthritis (PA) [letter] Moya JL, et al. **Arch Intern Med** 1987 May; 147(5):992
Norwegian scabies [letter] Kocsard E. **Australas J Dermatol** 1986 Dec;27(3):143–4
Monoclonal IgG gammopathy in a case of pustular psoriasis. A ten year follow–up [letter] Humbert P, et al. **Blut** 1987 Jan;54(1):61–2
No association between malignant melanoma and acne or psoriasis: results from the Western Canada Melanoma Study. Elwood JM, et al. **Br J Dermatol** 1986 Nov; 115(5):573–6
Response of secondary amyloidosis in psoriasis to treatment with etretinate and ultraviolet light. af Ekenstam E, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):733–4
Renal affection in patients with ankylosing spondylitis and psoriatic arthritis. Omdal R, et al. **Clin Rheumatol** 1987 Mar;6(1):74–9
Craniomandibular disorders in psoriasis. Könönen M. **Community Dent Oral Epidemiol** 1987 Apr;15(2):108–12
AIDS and psoriasis. Lazar AP, et al. **Cutis** 1987 Apr; 39(4):347–51
Blastomycosis in a patient with psoriasis: treatment with ketoconazole. Truhan AP, et al. **Cutis** 1987 May; 39(5):413–7
Is eyelid involvement a sign of severe psoriasis? [letter] Bernhard JD. **Dermatologica** 1987;174(3):151
Remission of psoriasis with etidronate treatment of underlying Paget's disease of bone. Monk BE, et al. **Dermatologica** 1987;174(3):128–31
Co–trimoxazole in the treatment of malaria in psoriatics [letter] Mittal R, et al. **J Assoc Physicians India** 1986 Apr; 34(4):303
Malignant melanoma and squamous cell carcinoma in a patient treated for severe pustular psoriasis. Friedman KJ, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1290–4
A case of human myiasis caused by Phormia regina (Diptera: Calliphoridae) in Missouri, USA. Hall RD, et al. **J Med Entomol** 1986 Sep 19;23(5):578–9
Erosive and subluxing cervical spine disease in patients with psoriatic arthritis. Blau RH, et al. **J Rheumatol** 1987 Feb; 14(1):111–7
Relapsing polychondritis syndrome associated with pustular psoriasis, spondylitis and arthritis mutilans. Hager MH, et al. **J Rheumatol** 1987 Feb;14(1):162–4
The incidence of skin manifestations by dermatophytes in patients with psoriasis. Alteras I, et al. **Mycopathologia** 1986 Jul;95(1):37–9
Captopril–induced proteinuria in hypertensive psoriatic patients. Madeddu P, et al. **Nephron** 1986;44(4):358–60
Photosensitive psoriasis—clinical findings and phototest results. Ros AM, et al. **Photodermatol** 1986 Dec;3(6):317–26
Clinical signs of craniomandibular disorders patients with psoriatic arthritis. Könönen M. **Scand J Dent Res** 1987 Aug; 95(4):340–6
Psoriatic arthritis with C–1–C–2 subluxation as a neurosurgical complication. Lee ST, et al. **Surg Neurol** 1986 Nov;26(5):428–30
[Norwegian scabies in a psoriatic mental patient] Verner E, et al. **Harefuah** 1987 Apr 1;112(7):328–31 (Eng. Abstr.) (Heb)
[Relations between psoriatic onychopathy and ungual mycotic flora] Albanese G, et al. **G Ital Dermatol Venereol** 1987 May;122(5):209–18 (Eng. Abstr.) (Ita)
[Effectiveness of systemic therapy with acyclovir in a case of disseminated herpes in an adult with psoriatic erythroderma] Manganoni AM, et al. **G Ital Dermatol Venereol** 1987 May;122(5):269–70 (Eng. Abstr.) (Ita)
[Dermatologic pathology and psychiatric monitoring. Description of a case] Vender S, et al. **Recenti Prog Med** 1986 Dec;77(12):565–6 (Eng. Abstr.) (Ita)
[The coexistence of systemic lupus erythematosus and psoriatic arthritis] Ohmoto A, et al. **Ryumachi** 1986 Aug; 26(4):278–83 (Eng. Abstr.) (Jpn)
[Renal lesions in psoriasis] Shul'tsev GP, et al. **Klin Med (Mosk)** 1987 Jun;65(6):110–4 (Rus)
[Treatment of psoriatic arthritis] Lience E. **Med Clin (Barc)** 1986 Sep 13;87(7):295–8 (Spa)
[Acute non–lymphoblastic leukemia with Burkitt–type morphology in a patient with psoriatic arthropathy treated with immunosuppressors] Pérez Vila E, et al. **Med Clin (Barc)** 1986 Sep 13;87(7):291–4 (Eng. Abstr.) (Spa)

DIAGNOSIS

Psoriatic arthritis of the temporomandibular joint. Case report. Baetz K, et al. **Aust Dent J** 1986 Oct;31(5):335–9
Psoriasis. Benmamán OE. **Bol Asoc Med PR** 1986 Aug; 78(8):330–1
Reiter's disease with psoriasiform skin lesions. Report of 2 cases and a new method of differentiation. Liu CH, et al. **Chin Med J [Engl]** 1986 May;99(5):393–6
[Clinico–laboratory, immunologic and radionuclide joint indices in psoriatic arthropathy] Pekhlivanov D, et al. **Vutr Boles** 1987;26(3):76–83 (Eng. Abstr.) (Bul)
[Psoriasis—arthritis] Gaja A, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:267–70 (Ger)
[The natural course of psoriasis from infancy to adulthood] Farber EM. **Hautarzt** 1987 Jan;38(1):53–6 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of psoriasis arthropathica] Schulze P. **Z Arztl Fortbild (Jena)** 1987;81(8):375–6 (Ger)
[Urocaninase test for assessing the severity of the course of psoriasis] Diurd' PI. **Vestn Dermatol Venerol** 1986;(7):46–7 (Eng. Abstr.) (Rus)
[Clinical picture and course of psoriasis in Tadzhikistan] Zoirov PT, et al. **Vestn Dermatol Venerol** 1987;(2):52–5 (Eng. Abstr.) (Rus)

DIET THERAPY

Effects of dietary supplementation of fish oil on neutrophil and epidermal fatty acids. Modulation of clinical course of psoriatic subjects. Ziboh VA, et al. **Arch Dermatol** 1986 Nov;122(11):1277–82

DRUG THERAPY

Topical treatment of psoriatic skin with methotrexate cream: a clinical, pharmacokinetic, and histological study. Bjerring P, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):515–9
Antipsoriatic activity of 10–acyl analogues of dithranol (anthralin). II. Clinical comparison of dithranol and butantrone sticks with special reference to side effects. Brandt H. **Acta Derm Venereol (Stockh)** 1987;67(1):55–61
Treatment of psoriatic arthropathy with etretinate: a two–year follow–up. Chieregato GC, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):321–4
Reduced skin histidine levels and its topical use in psoriasis [letter] Dave VK, et al. **Acta Derm Venereol (Stockh)** 1987; 67(3):274
Comparison of dithranol and butantrone in short contact therapy of psoriasis. Göransson A. **Acta Derm Venereol (Stockh)** 1987;67(2):149–53
Distribution of circulating mononuclear cells in short–term PUVA–treated psoriatic patients and healthy subjects. Larussa FM, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):398–403
Thioguanine treatment in psoriasis. Molin L, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):85–8
The epidermal Langerhans' cell population in psoriasis during topical coal tar therapy. Puttick LM, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):343–6
Methotrexate treatment of psoriatic arthritis. Zachariae H, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):270–3
Long–term effects of etretinate on the liver in psoriasis. Camuto P, et al. **Am J Surg Pathol** 1987 Jan;11(1):30–7
Anthralin minute entire skin treatment: a follow–up and comparison with methoxsalen plus ultraviolet light [letter] Duschet P, et al. **Arch Dermatol** 1987 Apr;123(4):428–9
Etretin therapy for severe psoriasis. Evaluation of initial clinical responses. Kingston TP, et al. **Arch Dermatol** 1987 Jan;123(1):55–8
Etretinate and psoriasis [editorial] Morison WL. **Arch Dermatol** 1987 Jul;123(7):879–81
PUVA, etretinate, and PUVA–etretinate therapy for pustulosis palmoplantaris. A placebo–controlled comparative trial. Rosén K, et al. **Arch Dermatol** 1987 Jul; 123(7):885–9
Etretinate therapy for generalized pustular psoriasis in children. Shelnitz LS, et al. **Arch Dermatol** 1987 Feb; 123(2):230–3
Cyclosporine in the treatment of psoriasis [letter] Wentzell JM, et al. **Arch Dermatol** 1987 Feb;123(2):163–5
PUVA therapy damages psoriatic and normal lymphoid cells within milliseconds. Böhm F, et al. **Arch Dermatol Res** 1986;279(1):16–9
Topical treatment of psoriasis with the topoisomerase inhibitors novobiocin and nalidixic acid: a pilot study. Bohr VA, et al. **Arch Dermatol Res** 1987;279(3):147–50
Drug–induced peripheral neuropathy in a patient with psoriatic arthritis. Rothenberg RJ, et al. **Arthritis Rheum** 1987 Feb;30(2):221–4
Topical steroid treatment reduces arachidonic acid and leukotriene B4 in lesional skin of psoriasis. Wong E, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):627–32
A paired comparison of cream and ointment–based dithranol in short contact treatment of psoriasis [letter] Grattan CE, et al. **Br J Dermatol** 1987 Feb;116(2):279–80
The effect of PUVA treatment on acid hydrolases in human polymorphonuclear leukocytes. Gruner S, et al. **Br J Dermatol** 1987 Jun;116(6):785–92
Local PUVA treatment for nail psoriasis [letter] Handfield–Jones SE, et al. **Br J Dermatol** 1987 Feb; 116(2):280–1
Successful treatment of psoriasis with topical application of active vitamin D3 analogue, 1 alpha,24–dihydroxycholecalciferol. Kato T, et al. **Br J Dermatol** 1986 Oct;115(4):431–3
Response of polymorphonuclear leukocytes to topical leukotriene B4 in healthy and psoriatic skin. Lammers AM, et al. **Br J Dermatol** 1987 Apr;116(4):521–4
Reduction of leukotriene B4–induced intraepidermal accumulation of polymorphonuclear leukocytes by methotrexate in psoriasis. Lammers AM, et al. **Br J Dermatol** 1987 May;116(5):667–71
Psoriasis, razoxane and a cutaneous B–cell lymphoma. Mallett RB, et al. **Br J Dermatol** 1987 Feb;116(2):243–4
Cyclosporin A treatment of severe psoriasis [letter] Marks JM. **Br J Dermatol** 1986 Dec;115(6):745–6
Generalized pustular psoriasis (von Zumbusch) responding to cyclosporin A. Meinardi MM, et al. **Br J Dermatol** 1987 Feb;116(2):269–70
An open study of vitamin D3 treatment in psoriasis vulgaris. Morimoto S, et al. **Br J Dermatol** 1986 Oct;115(4):421–9
The effects of concomitant administration of oral indomethacin with topical dithranol treatment in psoriasis [letter] Shall L, et al. **Br J Dermatol** 1987 May;116(5):739
Low–dose etretinate in the maintenance of remission of palmoplantar pustular psoriasis. White SI, et al. **Br J Dermatol** 1986 Nov;115(5):577–82
Treatment of psoriasis with a combination of dithranol and coal tar [letter] Young E, et al. **Br J Dermatol** 1987 Feb; 116(2):281–2
Clearance of psoriasis with low dose cyclosporin [letter] Brookes DB. **Br Med J [Clin Res]** 1986 Oct 25; 293(6554):1098–9
Clearance of psoriasis with low dose cyclosporin. Griffiths CE, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):731–2
Psoriasis, cyclosporin A, and AIDS [letter] Staughton RC, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):125
Treatment of psoriasis vulgaris by oral administration of 1 alpha–hydroxyvitamin D3—open–design study. Morimoto S, et al. **Calcif Tissue Int** 1986 Sep;39(3):209–12
Effect of 1 alpha–hydroxycholecalciferol on psoriasis vulgaris: a pilot study. Takamoto S, et al. **Calcif Tissue Int** 1986 Dec;39(6):360–4
Combined short contact crude coal tar and dithranol therapy for psoriasis. Downey DJ, et al. **Clin Exp Dermatol** 1986 Sep;11(5):498–501
The aminopyrine breath test, an inadequate early indicator of methotrexate–induced liver disease in patients with psoriasis. Williams CN, et al. **Clin Invest Med** 1987 Mar; 10(2):54–8
Intermittent application of clobetasol–17–propionate in psoriasis. Young E, et al. **Curr Med Res Opin** 1987; 10(7):468–73
Capsaicin in the treatment of dermatologic disease. Bernstein JE. **Cutis** 1987 Apr;39(4):352–3
Short–contact anthralin therapy for psoriasis using an aqueous cream formulation. Kingston TP, et al. **Cutis** 1987 Feb;39(2):155–7
Pustular psoriasis: from the wheelchair to the dance floor. Shelley WB, et al. **Cutis** 1986 Sep;38(3):150
Transient rhabdomyolysis connected with topical use of 5–fluorouracil in a patient with psoriasis of the nails [letter] Schmied E, et al. **Dermatologica** 1986;173(5):257–8
Treatment of psoriasis with dithranol cream compared with dithranol paste. Young E. **Dermatologica** 1986;173(6):285–7
Etretinate approved. **FDA Drug Bull** 1986 Nov;16(2):16–7
Irritation and staining by 10–butyryl dithranol (butantrone) in psoriasis. Greaves MW. **Int J Clin Pharmacol Res** 1986; 6(4):315–6
A comparative study of amcinonide and halcinonide 0.1% ointments in the treatment of psoriasis. Millikan LE, et al. **Int J Dermatol** 1986 Oct;25(8):542
Effects of topically applied capsaicin on moderate and severe psoriasis vulgaris. Bernstein JE, et al.

J Am Acad Dermatol 1986 Sep;15(3):504–7
Superpotent topical steroid treatment of psoriasis vulgaris—clinical efficacy and adrenal function. Katz HI, et al. J Am Acad Dermatol 1987 Apr;16(4):804–11
Comparative efficacy of two dosage forms of oral methoxsalen in psoralens plus ultraviolet A therapy of psoriasis. Lowe NJ, et al. J Am Acad Dermatol 1987 May; 16(5 Pt 1):994–8
Weekly psoriasis therapy using intralesional fluorouracil. Pearlman DL, et al. J Am Acad Dermatol 1987 Jul; 17(1):78–82
Weekly pulse dosing schedule of fluorouracil: a new topical therapy for psoriasis. Pearlman DL, et al. J Am Acad Dermatol 1986 Dec;15(6):1247–52
Combined tar–anthralin versus anthralin treatment lowers irritancy with unchanged antipsoriatic efficacy. Modifications of short-contact therapy and Ingram therapy. Schulze HJ, et al. J Am Acad Dermatol 1987 Jul; 17(1):19–24
Nonmelanoma skin tumors in long-term photochemotherapy treatment of psoriasis. An 8-year follow-up study. Tanew A, et al. J Am Acad Dermatol 1986 Nov;15(5 Pt 1):960–5
Generalized pustular psoriasis associated with withdrawal of topical clobetasol–17–propionate [letter] Telfer NR, et al. J Am Acad Dermatol 1987 Jul;17(1):144–5
The enhanced monocyte and neutrophil chemotaxis in psoriasis is normalized after treatment with psoralens plus ultraviolet A and anthralin. Ternowitz T. J Am Acad Dermatol 1987 Jun;16(6):1169–75
Treatment of psoriatic arthritis with bromocriptine [letter] Weber G, et al. J Am Acad Dermatol 1987 Feb;16(2 Pt 1):388–9
Treatment of psoriasis vulgaris with oral 1 alpha,25–dihydroxyvitamin D3—report of two cases. Morimoto S, et al. J Dermatol (Tokyo) 1987 Feb; 14(1):59–62
Combination therapy of oral methoxypsoralen: photochemotherapy (PUVA) and an aromatic retinoid (etretinate, tigason) in the treatment of psoriasis. Thirumoorthy T, et al. J Dermatol (Tokyo) 1986 Apr; 13(2):132–6
PUVA therapy in Thai psoriatic patients. Rajatanavin N, et al. J Med Assoc Thai 1987 Apr;70 Suppl 3:26–30
Cyclosporine improves psoriasis in a double-blind study. Ellis CN, et al. JAMA 1986 Dec 12;256(22):3110–6
Remission of AIDS–associated psoriasis with zidovudine [letter] Duvic M, et al. Lancet 1987 Sep 12;2(8559):627
Topical cyclosporin and psoriasis [letter] Griffiths CE, et al. Lancet 1987 Apr 4;1(8536):806
Methotrexate and retinoids in combination for psoriasis [letter] Harrison PV, et al. Lancet 1987 Aug 29;2(8557):512
Etretinate for psoriasis. Med Lett Drugs Ther 1987 Jan 16; 29(731):9–10
Photosensitizers in dermatology. McCullough JL, et al. Photochem Photobiol 1987 Jul;46(1):77–82
Photobiological activity of certain pyranocoumarin derivatives: potential agents for the photochemotherapy of psoriasis. Baccichetti F, et al. Photodermatol 1986 Oct; 3(5):261–70
Combination methotrexate, PUVA and UVB therapy in the treatment of psoriasis. Bronner AK, et al. Photodermatol 1986 Aug;3(4):245–6
Dermal absorption of lonapalene, a new anti–psoriatic drug. Berry PW, et al. Proc West Pharmacol Soc 1987;30:137–9
An open study on the efficacy and safety of auranofin in treating psoriatic arthritis. Dequeker J, et al. Scand J Rheumatol [Suppl] 1986;63:85–95
Evaluation of treatment with Sicorten cream by day and Sicorten ointment at night in patients with chronic psoriasis. Feurman EJ, et al. Singapore Med J 1986 Jun; 27(3):236–8
[Effect of camptothecin in the treatment of psoriasis] Lin XR. Chung Hua I Hsueh Tsa Chih 1987 Jan;67(1):4–6 (Eng. Abstr.) (Chi)
[Clinical and ultrastructural study on psoriasis treated by indirubin] Yuan ZZ, et al. Chung Hua I Hsueh Tsa Chih 1987 Jan;67(1):7–8 (Eng. Abstr.) (Chi)
[Short treatment of psoriasis with anthralin (dioxyanthranol, cignolin)] Heid E, et al. Ann Dermatol Venereol 1986; 113(4):371–3 (Fre)
[The treatment of psoriasis. Critical study of the use of ACNU (nimustine hydrochloride)] Imaizumi T, et al. Ann Dermatol Venereol 1986;113(5):427–34 (Eng. Abstr.) (Fre)
[Cholestyramine et psoriasis (letter)] Venencie PY, et al. Ann Dermatol Venereol 1986;113(8):711 (Fre)
[Treatment of psoriasis with dichlorodiethyl sulfide] Janouchek B, et al. Phlebologie 1987 Jan–Mar;40(1):171–5 (Eng. Abstr.) (Fre)
[Intracellular enzyme inhibition caused by PUVA. Inhibition of acid hydrolases in human granulocytes] Gruner S, et al. Dermatol Monatsschr 1987;173(5):249–57 (Eng. Abstr.) (Ger)
[Effect of PUVA therapy on the chemotaxis of neutrophilic granulocytes in various types of psoriasis] Kaben U, et al. Dermatol Monatsschr 1986;172(8):493–7 (Ger)
[Comparative studies of the effectiveness of topical steroids in psoriasis] Wozel G, et al. Dermatol Monatsschr 1986; 172(9):550–3 (Eng. Abstr.) (Ger)
[Fluocinolone acetonide and psoriasis—continuous or alternating therapy?] Wozel G, et al. Dermatol Monatsschr 1986;172(10):620–3 (Eng. Abstr.) (Ger)
[Peroral long–term treatment of psoriasis using fumaric acid derivatives] Bayard W, et al. Hautarzt 1987 May; 38(5):279–85 (Eng. Abstr.) (Ger)
[Chronic systemic toxicity of oral photochemotherapy using 8–methoxypsoralen and UVA] Rassner G, et al. Hautarzt 1987 Jan;38(1):10–7 (Eng. Abstr.) (Ger)
[What is established in the treatment of psoriasis?] Braun–Falco O, et al. Internist (Berlin) 1987 Jan; 28(1):58–64 (Ger)
[Treatment of psoriasis with etretinate (Tigason)] Schuppli R. Ther Umsch 1986 Sep;43(9):684–8 (13 ref.) (Eng. Abstr.) (Ger)
[Studies of local treatment of psoriasis with a bifonazole–urea combination] Döring HF. Z Hautkr 1987 Jun 1; 62(11):894–6, 899–900 (Eng. Abstr.) (Ger)
[PUVA—therapy with low UV–A dose] Hesse G, et al. Z Hautkr 1987 Jun 15;62(12):927–30, 935–6 (Eng. Abstr.) (Ger)
[Short–term treatment with cignolin] Mahrle G. Z Hautkr 1986 Sep 1;61(17):1203–4 (Ger)
[Treatment of psoriasis arthropathica with bromocriptine] Weber G, et al. Z Hautkr 1986 Oct 15;61(20):1456–66 (Eng. Abstr.) (Ger)
[Effect of dithranol therapy on membrane, basement membrane and nuclear markers in psoriasis lesions] Wollina U, et al. Z Hautkr 1987 Feb 15;62(4):313–8 (Eng. Abstr.) (Ger)
[Therapy of seronegative oligoarthritis with salazopyrine] Stroehmann I, et al. Z Rheumatol 1987 Mar–Apr; 46(2):79–82 (Eng. Abstr.) (Ger)
[Etretinate in familial pustular psoriasis] Schewach–Millet M, et al. Harefuah 1986 Sep;111(5–6):112–3 (Eng. Abstr.) (Heb)
[Clinical study of isoxicam in psoriatic arthritis] Fossaluzza V, et al. Clin Ter 1986 Sep 15;118(5):347–9 (Eng. Abstr.) (Ita)
[Short contact therapy in psoriasis] Crippa D, et al. G Ital Dermatol Venereol 1986 Sep–Oct;121(5):371–4 (Eng. Abstr.) (Ita)
[Therapeutic activity of a betamethasone dipropionate and salicylic acid combination in dermatology] La Rocca E, et al. G Ital Dermatol Venereol 1986 Sep–Oct; 121(5):LXVII–LXIX (Eng. Abstr.) (Ita)
[PUVA therapy. Considerations on a 7–year follow–up] Lomuto M, et al. G Ital Dermatol Venereol 1986 Nov–Dec; 121(6):457–60 (Eng. Abstr.) (Ita)
[Principles of the therapeutic management of psoriasis] Ruszczak Z. Przegl Dermatol 1987 Jan–Feb;74(1):1–10 (Eng. Abstr.) (Pol)
[Effect of hydroxyurea on the chemotactic activity of granulocytes in psoriasis] Wasik F, et al. Przegl Dermatol 1986 May–Jun;73(3):194–8 (Eng. Abstr.) (Pol)
[Basic treatment of arthropathic psoriasis] Wisłowska M, et al. Przegl Dermatol 1987 Jan–Feb;74(1):70–7 (20 ref.) (Pol)
[Effectiveness of pulse–therapy in seronegative spondyloarthritis (preliminary report)] Burdeinyi AP, et al. Ter Arkh 1987;59(4):84–6 (Eng. Abstr.) (Rus)
[Treatment of psoriatic arthritis with gold salts (chrysotherapy)] Burdeinyi AP, et al. Ter Arkh 1986; 58(7):38–43 (Eng. Abstr.) (Rus)
[New approach to the pathogenetic therapy of psoriasis] Kagramanova AT, et al. Vestn Dermatol Venerol 1987; (4):20–5 (49 ref.) (Eng. Abstr.) (Rus)
[Efficacy of PUVA therapy of patients with psoriasis] Rusak IuE, et al. Vestn Dermatol Venerol 1986;(10):53–6 (Eng. Abstr.) (Rus)
[Phosphadene and dipromonium in the complex treatment of psoriasis patients] Tishchenko EL. Vestn Dermatol Venerol 1986;(9):15–8 (Eng. Abstr.) (Rus)
[Experience with the use of hemodes and heparin in the complex treatment of psoriasis] Zhukoven' VF, et al. Voen Med Zh 1987 Apr;(4):64 (Rus)
[Effect of antioxidants on redox processes and free radicals in the skin of psoriasis patients] Dashchuk AM, et al. Vrach Delo 1987 Jun;(6):99–100 (Eng. Abstr.) (Rus)
[Psoriasis and chronic vitamin A poisoning] Martín Pérez JI, et al. An Esp Pediatr 1986 Nov;25(5):372–4 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Cutaneous superoxide dismutase activity in psoriasis [letter] van Baar HM, et al. Br J Dermatol 1987 Mar;116(3):462–3
Granulocyte pyruvate kinase in psoriasis vulgaris and psoriasis arthropathica. Wasik F, et al. Br J Dermatol 1987 Jan;116(1):9–14
Serum angiotensin–converting enzyme activity in psoriasis. Ena P, et al. Dermatologica 1987;174(3):110–3
Eicosanoids in psoriasis—15–HETE on the stage. Kragballe K, et al. Dermatologica 1987;174(5):209–13
Beta–glucuronidase of neutrophils in psoriasis. Moszczyński P, et al. Haematologica (Pavia) 1986 May–Jun;71(3):267–8
Partial characterization of phospholipase C activity in normal, psoriatic uninvolved, and lesional epidermis. Bartel RL, et al. J Invest Dermatol 1987 Apr;88(4):447–51
Decreased protein kinase C activity in psoriatic versus normal epidermis. Horn F, et al. J Invest Dermatol 1987 Feb; 88(2):220–2
Retinoid treatment of human psoriatic fibroblasts induces an increase in cyclic AMP–dependent protein kinase activity. Raynaud F, et al. J Invest Dermatol 1987 Jul;89(1):105–10
[Distribution of DNase and RNase in psoriasis and their changes following PUVA—a study using immunohistochemical methods] Usuba S. Nippon Hifuka Gakkai Zasshi 1987 May;97(6):729–36 (Jpn)
[Selected lysosomal enzyme activity in the scales of psoriatic eruptions] Bienias L, et al. Przegl Dermatol 1986 May–Jun; 73(3):191–3 (Eng. Abstr.) (Pol)
[Testing the monooxygenase enzyme system of the liver using the antipyrine test in psoriasis patients] Akovbian VA, et al. Vestn Dermatol Venerol 1986;(9):38–41 (Eng. Abstr.) (Rus)

ETIOLOGY

Psoriasiform napkin dermatitis. Boje Rasmussen H, et al. Acta Derm Venereol (Stockh) 1986;66(6):534–6
Psoriasis, gamma–interferon, and the acquired immunodeficiency syndrome [letter] Fuchs D, et al. Ann Intern Med 1987 Jan;106(1):165
Psoriasis as a complication of saphenous vein phlebectomy. Benson CH, et al. J Miss State Med Assoc 1987 Jun; 28(6):139–40
Psoriasis and alcohol abuse. Vincenti GE, et al. J R Army Med Corps 1987 Jun;133(2):77–8
[Will multiple sclerosis, psoriasis and rheumatoid arthritis disappear?] Král M. Cesk Neurol Neurochir 1986 Sep; 49(5):329–31 (Cze)
[The pathogenesis of psoriasis (editorial)] Feuerman EJ. Harefuah 1987 Jan 1;112(1):38–41 (Heb)
[Psoriasis and stress events] Polenghi MM, et al. G Ital Dermatol Venereol 1987 Apr;122(4):167–70 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

HLA antigen distribution and haplotype segregation in Chinese patients with psoriasis. Sun YP, et al. Chin Med J [Engl] 1987 Mar;100(3):236–41
Pi MZ phenotype and an increased prevalence of reported psoriasis in a community survey. Horne SL, et al. Hum Hered 1986;36(4):266–8
A kindred with alopecia, keratosis, pilaris, cataracts, and psoriasis. Appell ML, et al. J Am Acad Dermatol 1987 Jan; 16(1 Pt 1):89–95
[Linkage between HLA and the susceptibility gene of psoriasis] Sun YP. Chung Hua I Hsueh Tsa Chih 1986 Oct; 66(10):600–4 (Eng. Abstr.) (Chi)

HISTORY

Leprosy and psoriasis [letter] Lyell A. J Am Acad Dermatol 1987 Mar;16(3 Pt 1):620–2

IMMUNOLOGY

Expansion of large granular lymphocytes in psoriatic erythroderma. A case report. Calvieri S, et al. Acta Derm Venereol (Stockh) 1986;66(6):497–501
HLA–B39 and the axial type of psoriatic arthritis. Crivellato E, et al. Acta Derm Venereol (Stockh) 1987;67(3):249–50
Psoriatic arthritis: clinical subgroups and histocompatibility antigens. McHugh NJ, et al. Ann Rheum Dis 1987 Mar; 46(3):184–8
Measles induced remission of psoriasis. Chakravarti VS, et al. Ann Trop Paediatr 1986 Dec;6(4):293–4
Stimulation of T cells by autologous mononuclear leukocytes and epidermal cells in psoriasis. Schopf RE, et al. Arch Dermatol Res 1986;279(2):89–94
Anticardiolipin antibodies in patients with rheumatic diseases. Fort JG, et al. Arthritis Rheum 1987 Jul;30(7):752–60
Marked increase in the frequency of psoriatic arthritis in psoriasis patients with HLA–DR+ keratinocytes. Gottlieb AB, et al. Arthritis Rheum 1987 Aug;30(8):901–7
Differences in interferon–gamma response of psoriatic lymphocytes to stimulation with various mitogens. Goan SR, et al. Biomed Biochim Acta 1986;45(7):903–6
HLA–DR antigen expression on keratinocytes in highly inflamed parts of psoriatic lesions. Terui T, et al. Br J Dermatol 1987 Jan;116(1):87–93
Enzyme activity in circulating neutrophils in patients with various clinical forms of common psoriasis. Legieć C, et al. Dermatol Monatsschr 1986;172(11):657–63
Serum inhibition of lymphocyte proliferative responses to mitogens in psoriasis. Mobacken H, et al. Dermatol Monatsschr 1986;172(12):707–13
Psoriasis, neutrophil leukocytes, and HLA–B27 [letter] Cox NH. J Am Acad Dermatol 1987 Aug;17(2 Pt 1):312–3
Monocyte and neutrophil chemotaxis in psoriasis. Relation to the clinical status and the type of psoriasis. Ternowitz T. J Am Acad Dermatol 1986 Dec;15(6):1191–9
Serum immunoglobulins in psoriasis. Shanker A, et al. J Assoc Physicians India 1986 Nov;34(11):789–90
Dohi memorial lecture. Leukocytes and skin disease: conflicting patterns of inflammation in atopic dermatitis and psoriasis. Christophers E. J Dermatol (Tokyo) 1986 Dec;13(6):408–16
Enhancement of monocyte chemotactic activity in the sera of psoriatic patients after heat treatment. Isoda M, et al. J Dermatol (Tokyo) 1987 Feb;14(1):29–32
Increased C5a anaphylatoxin in the sera of psoriatic patients

and patients with inflammatory dermatoses. Ohkohchi K, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):266–9

Expression of HLA–DR molecules by keratinocytes, and presence of Langerhans cells in the dermal infiltrate of active psoriatic plaques. Gottlieb AB, et al. **J Exp Med** 1986 Oct 1;164(4):1013–28

Psoriatic skin lesions contain biologically active amounts of an interleukin 1–like compound. Camp RD, et al. **J Immunol** 1986 Dec 1;137(11):3469–74

Psoriasis and leukocyte chemotaxis. Tagami H, et al. **J Invest Dermatol** 1987 Mar;88(3 Suppl):18s–23s

Methotrexate inhibits the human C5a–induced skin response in patients with psoriasis. Ternowitz T, et al. **J Invest Dermatol** 1987 Aug;89(2):192–6

Serum–mediated inhibition of the interferon–gamma–induced HLA–DR expression on monocytes in patients with psoriasis. Volk HD, et al. **J Invest Dermatol** 1986 Oct; 87(4):524–7

Phenotypic profile of major synovial cell populations in longstanding psoriatic arthritis. Taccari E, et al. **J Rheumatol** 1987 Jun;14(3):525–30

Psoriasis specific chromosomal proteins, antibodies against them and disease activity. Cormane RH, et al. **Med Hypotheses** 1987 Apr;22(4):369–72

Psoriasis and Raynaud's phenomenon with antiribonucleoprotein antibodies [letter] Kallenberg CG, et al. **N Engl J Med** 1987 Jan 8;316(2):111–2

HLA–A,B,C and DR in Chinese with psoriasis: relation to age of onset and clinical expression of the disease. Kao JS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar; 86(3):259–63

[E rosette formation by donor lymphocytes and additional cellular tests on psoriatic scale extracts] Schwartze G, et al. **Dermatol Monatsschr** 1986;172(8):457–61 (Eng. Abstr.) **(Ger)**

[Chemokinetic behavior of polymorphonuclear granulocytes in psoriasis] Westphal HJ, et al. **Dermatol Monatsschr** 1987; 173(3):163–6 (Eng. Abstr.) **(Ger)**

[Leukocyte migration test following stimulation with protein factor of neutrophilic granulocytes (PMNL) in the peripheral blood of patients with psoriasis] Ciborska L, et al. **Z Hautkr** 1987 Mar 1;62(5):410–4 (Eng. Abstr.) **(Ger)**

[Clinicopathogenetic significance of K and NK blood lymphocytes in psoriasis] Mashkilleyson AL, et al. **Z Hautkr** 1986 Dec 15;61(24):1801–3 (Eng. Abstr.) **(Ger)**

[Imbalance of T lymphocyte subpopulations in patients with psoriasis and its immune correction] Rubins AJ, et al. **Z Hautkr** 1987 Mar 15;62(6):497–501 (Eng. Abstr.) **(Ger)**

[Psoriasis in HTLV–III–induced immunologic defect—status of cellular immunity and immunohistologic findings] Steigleder GK, et al. **Z Hautkr** 1986 Dec 1;61(23):1671–8 (Eng. Abstr.) **(Ger)**

[Monocytes/macrophages in synovial tissue in chronic polyarthritis and arthrosis—differentiating from monoclonal antibodies] Wörth WD, et al. **Z Rheumatol** 1987 May–Jun;46(3):101–11 (Eng. Abstr.) **(Ger)**

[The HLA system and psoriasis. Analysis of the interactions between predisposing HLA antigens] Crivellato E, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):25–8 (Eng. Abstr.) **(Ita)**

[Lymphocyte subpopulations in psoriasis vulgaris. A histochemical study of 21 cases] Kokelj F, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):379–82 (Eng. Abstr.) **(Ita)**

[Two cases of psoriatic erythroderma with high values of plasma CEA and the simultaneous co–existence of CEA in the epidermis of the cutaneous lesions] Inoue S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):711–8 **(Jpn)**

[Indices of the immune response and inflammatory processes in psoriasis] Toruń B. **Przegl Dermatol** 1987 Jan–Feb; 74(1):78–82 **(Pol)**

[Histocompatibility antigens in psoriatic and seronegative rheumatoid arthritis] Benevolenskaia LI, et al. **Ter Arkh** 1986;58(7):17–9 (Eng. Abstr.) **(Rus)**

[Humoral and cellular factors of immunity in patients with torpid and frequently recurring psoriasis treated by the plasmapheresis method] Fel'ker AIa, et al. **Vestn Dermatol Venerol** 1987;(3):45–8 (Eng. Abstr.) **(Rus)**

[Immunologic aspects of the pathogenesis of psoriasis] Mashkilleison AL, et al. **Vestn Dermatol Venerol** 1987; (2):17–22 (87 ref.) **(Rus)**

[Circulating immune complexes and immunoglobulins as an index of immunologic shifts in various forms of psoriasis] Rubins AIa, et al. **Vestn Dermatol Venerol** 1986;(8):13–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Phenylethanolamine N–methyltransferase–like immunoreactivity in psoriasis. An immunohistochemical study on catecholamine synthesizing enzymes and neuropeptides of the skin. Johansson O, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):1–7

Reduced levels of histidine and urocanic acid in suction blister fluids from patients with psoriasis. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):295–300

Abnormal vitamin D metabolism in patients with psoriasis. Staberg B, et al. **Acta Derm Venereol (Stockh)** 1987; 67(1):65–8

Calmodulin levels in psoriasis and other skin disorders. van Erp PE, et al. **Arch Dermatol Res** 1987;279(3):151–3

Assemblies of psoriatic keratin and their relation to normal intermediate filament structures. Trachtenberg S. **Biochim Biophys Acta** 1987 Mar 19;923(3):327–32

Thermospray liquid chromatography/mass spectrometry of ether phosphocholines. Mallet AI, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):541–3

Antipyrine clearance and metabolism in patients with psoriasis. Kubota K, et al. **Br J Clin Pharmacol** 1986 Oct; 22(4):455–62

High levels of hyaluronate in suction blister fluid from active psoriatic lesions. Lundin A, et al. **Br J Dermatol** 1987 Mar; 116(3):335–40

Arachidonic acid metabolism by polymorphonuclear leukocytes in psoriasis [letter] Ruzicka T. **Br J Dermatol** 1986 Oct;115(4):517–8

Metabolism of [14C]arachidonic acid by polymorphonuclear leukocytes in patients with psoriasis. Stüning M, et al. **Br J Dermatol** 1987 Feb;116(2):153–9

Psoriasis [letter] Tucker WF, et al. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):882

Determination of cyclic AMP and cyclic GMP in psoriatic epidermis and dermis. Yang XQ, et al. **Chin Med J [Engl]** 1987 Mar;100(3):216–8

Total and peripheral bone mass in patients with psoriatic arthritis and rheumatoid arthritis. Reid DM, et al. **Clin Rheumatol** 1986 Sep;5(3):372–8

The release and percutaneous permeation of anthralin products, using clinically involved and uninvolved psoriatic skin. Wang JC, et al. **J Am Acad Dermatol** 1987 Apr; 16(4):812–21

Aberrant expression of a chemokinetic glycoprotein in psoriatic skin. Rajaraman S, et al. **J Clin Lab Immunol** 1987 May;23(1):39–43

Immunohistochemical localization of urokinase– and tissue–type plasminogen activators in psoriatic skin. Grøndahl–Hansen J, et al. **J Invest Dermatol** 1987 Jan; 88(1):28–32

Formation of epidermal cell thymocyte–activating factor (ETAF) from cultured human keratinocytes from normal and uninvolved psoriatic skin. Kragballe K, et al. **J Invest Dermatol** 1987 Jan;88(1):8–10

PIXE analysis in different stages of psoriatic skin. Kurz K, et al. **J Invest Dermatol** 1987 Feb;88(2):223–6

RNA, DNA, and cell surface characteristics of lesional and nonlesional psoriatic skin. Staiano–Coico L, et al. **J Invest Dermatol** 1987 May;88(5):646–51

Epidermal calmodulin levels in psoriasis [letter] Wollina U, et al. **J Invest Dermatol** 1987 Jan;88(1):101

Psoriatic hair follicle cells. IV. Calmodulin levels in freshly isolated and cultured human scalp hair follicle cells. Lenoir MC, et al. **Mol Biol Rep** 1986;11(4):247–52

Phospholipids in inflammatory synovial effusions. Punzi L, et al. **Rheumatol Int** 1986;6(1):7–11

[Preparation and characterization of glycosaminoglycans from skin flakes and the epidermis in psoriasis vulgaris] Herrmann K, et al. **Dermatol Monatsschr** 1986; 172(10):577–84 (Eng. Abstr.) **(Ger)**

[Psoriasis. Sodium, potassium, chloride—analysis in sweat, saliva and urine—selective ultraviolet phototherapy] Wanjura HJ. **Z Hautkr** 1987 Jul 1;62(13):1029–34 (Eng. Abstr.) **(Ger)**

[Characterization of lectin binding by psoriatic epidermis—dependence on pH] Wollina U, et al. **Z Hautkr** 1987 Feb 1;62(3):202–5 (Eng. Abstr.) **(Ger)**

[Lectin binding of psoriatic skin] Wollina U, et al. **Z Hautkr** 1986 Sep 1;61(17):1241–9 (Eng. Abstr.) **(Ger)**

[Effect of neutral solvents on lectin binding of healthy and psoriatic epidermis] Wollina U, et al. **Z Hautkr** 1986 Oct 1;61(19):1379–82 (Eng. Abstr.) **(Ger)**

[Lipid metabolism in subjects with psoriasis. Preliminary data] Barba A, et al. **G Ital Dermatol Venereol** 1987 Mar; 122(3):85–9 (Eng. Abstr.) **(Ita)**

[Evaluation of the absorption of salicylic acid in keratolytic therapy] Montagnani A, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):293–6 (Eng. Abstr.) **(Ita)**

[Ionic homeostasis in psoriasis] Goncharenko MS. **Vestn Dermatol Venerol** 1986;(7):25–9 (Eng. Abstr.) **(Rus)**

[Characteristics of protein–DNA association in chromatin from epidermal cells in psoriasis] Iagovdik NZ, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):62–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Retroviruses and psoriasis vulgaris] Krüger A. **Z Hautkr** 1986 Nov 15;61(22):1585–8 **(Ger)**

OCCURRENCE

Low prevalences of coronary heart disease (CHD), psoriasis, asthma and rheumatoid arthritis in Eskimos: are they caused by high dietary intake of eicosapentaenoic acid (EPA), a genetic variation of essential fatty acid (EFA) metabolism or a combination of both? Horrobin DF. **Med Hypotheses** 1987 Apr;22(4):421–8

[An investigation of psoriasis in Chengdu and Deyang] Long YL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun; 18(2):175–8 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Reduced density of T6–positive epidermal Langerhans' cells in uninvolved skin of patients with psoriasis. Oxholm A, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):8–11

An immunologic study of psoriasis. Fattah AA, et al. **Am J Dermatopathol** 1986 Aug;8(4):309–13

Bacteriology of pustules occurring during treatment of psoriasis. Gupta AK, et al. **Arch Dermatol** 1987 Jul; 123(7):890–2

Reduction of lipoxygenase products in psoriatic skin homogenates by QA 208–199. Schnyder J, et al. **Arch Dermatol Res** 1986;278(6):494–6

Detection of basal–cell determinant(s) in human psoriatic skin: a monoclonal antibody study. Tank B, et al. **Arch Dermatol Res** 1986;279(1):68–70

The effects of cyclosporin A on T lymphocyte and dendritic cell sub–populations in psoriasis. Baker BS, et al. **Br J Dermatol** 1987 Apr;116(4):503–10

A comparison of liver ultrasound with liver biopsy histology in psoriatics receiving long–term methotrexate therapy. Coulson IH, et al. **Br J Dermatol** 1987 Apr;116(4):491–5

Flow cytometric quantification of T6–positive cells in psoriatic epidermis after PUVA and methotrexate therapy. Gommans JM, et al. **Br J Dermatol** 1987 May;116(5):661–6

Acantholytic change of psoriatic–involved epidermis during organ culture in vitro. Iizuka H, et al. **Clin Exp Dermatol** 1986 Jul;11(4):345–51

Psoriasis vulgaris of labium majus. Weinrauch L, et al. **Cutis** 1986 Nov;38(5):333–4

Cell kinetics of the human anagen hair follicle. Flow cytometric studies in healthy and psoriatic subjects. Katsuoka K, et al. **Dermatologica** 1987;174(3):105–9

Alcohol consumption and psoriasis. Monk BE, et al. **Dermatologica** 1986;173(2):57–60

Intraepidermal accumulation of polymorphonuclear leukocytes in chronic stable plaque psoriasis. van de Kerkhof PC, et al. **Dermatologica** 1987;174(5):224–7

Lesion pattern of psoriasis of the feet. Its relationship to the normal weight–bearing force curve. Corn BM, et al. **Int J Dermatol** 1987 Mar;26(2):115–6

The nails in adult type 1 pityriasis rubra pilaris. A comparison with Sézary syndrome and psoriasis. Sonnex TS, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):956–60

Mitochondrial ring–phenomenon of keratinocytes in psoriasis vulgaris after dithranol therapy. Klug H, et al. **J Cutan Pathol** 1987 Aug;14(4):212–6

Maintenance of epidermal structures of psoriatic skin in organ culture. Kondo S. **J Dermatol (Tokyo)** 1986 Aug; 13(4):242–9

Cell proliferation in normal and psoriatic epidermis [letter] Bauer FW, et al. **J Invest Dermatol** 1986 Nov;87(5):678–9

Electron microscopic features in generalized pustular psoriasis. Heng MC, et al. **J Invest Dermatol** 1987 Aug; 89(2):187–91

[The clinical kinetics of psoriasis lesions] Grosshans E, et al. **Ann Dermatol Venereol** 1986;113(8):707–9 **(Fre)**

[Psoriasis vulgaris partim inversa and bullous pemphigoid. Case report and short review of the literature] Wollina U, et al. **Dermatol Monatsschr** 1987;173(1):29–32 (Eng. Abstr.) **(Ger)**

[Paraneoplastic acrokeratosis (Bazex syndrome)] Thiel W, et al. **Hautarzt** 1987 May;38(5):304–7 (Eng. Abstr.) **(Ger)**

[Gastrointestinal disorders in psoriatic arthritis] Hartmann K, et al. **Z Gastroenterol** 1986 Oct;24(10):618–26 (Eng. Abstr.) **(Ger)**

[Complex study of the morphofunctional state of the dermis of psoriasis patients] Bukharovich MN, et al. **Vestn Dermatol Venerol** 1987;(2):4–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Subjective symptoms from the stomatognathic system in patients with psoriatic arthritis. Könönen M. **Acta Odontol Scand** 1986 Dec;44(6):377–83

Craniomandibular disorders in psoriatic arthritis. Correlations between subjective symptoms, clinical signs, and radiographic changes. Könönen M. **Acta Odontol Scand** 1986 Dec;44(6):369–75

Correlation of the vasoconstrictor assay and clinical activity in psoriasis [letter] Woodford R. **Arch Dermatol** 1986 Dec; 122(12):1355

Time course and intensity of anthralin inflammation on involved and uninvolved psoriatic skin. Paramsothy Y, et al. **Br J Dermatol** 1987 Apr;116(4):517–9

Pulmonary function in patients on long–term, low–dose methotrexate. Phillips TJ, et al. **Br J Dermatol** 1986 Dec; 115(6):657–62

Lasers, dermal fibroblasts and psoriasis [letter] Saiag P, et al. **Br J Dermatol** 1986 Dec;115(6):744–5

Cutaneous and subcutaneous blood flow measurements in psoriasis. Klemp P. **Dan Med Bull** 1987 Jun;34(3):147–59

Hydration characteristics of pathologic stratum corneum—evaluation of bound water. Takenouchi M, et al. **J Invest Dermatol** 1986 Nov;87(5):574–6

[Psoriasis in Köbner's sign] van Joost T, et al. **Ned Tijdschr Geneeskd** 1987 May 30;131(22):929–31 **(Dut)**

[Activity of the eccrine sweat glands in patients with psoriasis] Teodossieva E. **Dermatol Monatsschr** 1986; 172(10):585–8 (Eng. Abstr.) **(Ger)**

[Increased birth weight in psoriasis vulgaris—an evolutionary

advantage?] Voigtländer V, et al. **Z Hautkr** 1987 Jul 1; 62(13):978–82 (Eng. Abstr.) **(Ger)**

[Status of tissue microcirculation in psoriatic arthritis] Mach ES, et al. **Ter Arkh** 1986;58(7):77–9 (Eng. Abstr.) **(Rus)**

[Function of the hypophyseo–adrenal system in patients with psoriasis and psoriatic arthritis] Mlievskaia SG, et al. **Vestn Dermatol Venerol** 1986;(8):28–30 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psoriasis and psychiatry: an update. Gupta MA, et al. **Gen Hosp Psychiatry** 1987 May;9(3):157–66

Psoriasis and stress: a prospective study. Gaston L, et al. **J Am Acad Dermatol** 1987 Jul;17(1):82–6

RADIOGRAPHY

Radiographic changes in the condyle of the temporomandibular joint in psoriatic arthritis. Kööbnen M. **Acta Radiol** 1987 Mar–Apr;28(2):185–8

Test of radiographic interpretation. Seronegative spondyloarthropathy (psoriatic arthritis). Sartoris DJ, et al. **J Foot Surg** 1986 Nov–Dec;25(6):495–8

Computerized tomographic findings in the temporomandibular joint in patients with psoriatic arthritis. Avrahami E, et al. **J Rheumatol** 1986 Dec;13(6):1096–8

[The enthesopathic shoulder] Fournié B, et al. **Rev Rhum Mal Osteoartic** 1987 Jun;54(6):447–51 (Eng. Abstr.) **(Fre)**

[Roentgenologic semeiotics of joint lesions in psoriasis] Spuziak MI. **Vestn Rentgenol Radiol** 1986 Nov–Dec; (6):60–6 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Ultraviolet–B treatment of psoriasis in patients with concomitant vitiligo [letter] Tham SN, et al. **Arch Dermatol** 1987 Jan;123(1):26–7

Risk evaluation of UVB therapy for psoriasis: comparison of calculated risk for UVB therapy and observed risk in PUVA–treated patients. Slaper H, et al. **Photodermatol** 1986 Oct;3(5):271–83

[Possibilities of direct ultraviolet phototherapy in psoriasis and acne] Schiller F, et al. **Dermatol Monatsschr** 1987; 173(6):309–15 (Eng. Abstr.) **(Ger)**

SURGERY

Cryotherapy of psoriasis [letter] Scoggins RB. **Arch Dermatol** 1987 Apr;123(4):427–8

[Surgical interventions in psoriatic arthritis] Wessinghage D, et al. **Dtsch Med Wochenschr** 1987 Mar 6;112(10):389–94 (Eng. Abstr.) **(Ger)**

THERAPY

Management of psoriasis vulgaris with a hydrocolloid occlusive dressing. Friedman SJ. **Arch Dermatol** 1987 Aug; 123(8):1046–52

Plasma exchange and leukapheresis in psoriasis—no effect? Liedén G, et al. **Arch Dermatol Res** 1986;278(6):437–40

Infrared hyperthermia and psoriasis. Westerhof W, et al. **Arch Dermatol Res** 1987;279(3):209–10

PUVA treatment of human cultured fibroblasts from psoriatic skin enhances the binding of antibodies to SSA(Ro). Wollina U, et al. **Arch Dermatol Res** 1987;279(3):206–8

Photothetapy and dithranol treatment of psoriasis: new lamps for old. Farr PM, et al. **Br Med J** 1987 Jan 24; 294(6566):205–7

Phototherapy and dithranol treatment of psoriasis [letter] Lowe NJ. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):839

Parenteral interferon–alpha treatment of psoriasis. Neumann R, et al. **Dermatologica** 1987;175(1):23–8

Interferons and psoriasis—1987 perspective. Nickoloff BJ. **Dermatologica** 1987;175(1):1–4

Response of psoriatic lesions to multiple applications of leukotriene B4 and 12–HETE. Norris PG, et al. **Dermatologica** 1987;174(5):219–23

How to manage psoriasis of the eyelids. A glance at opinions of other dermatologists. Wolf R. **Dermatologica** 1986; 173(3):105–8

Comparison of heat delivery systems for hyperthermia treatment of psoriasis. Orenberg EK, et al. **Int J Hyperthermia** 1986 Jul–Sep;2(3):231–41

Status of ultraviolet A dosimetry in methoxsalen plus ultraviolet A therapy. Diffey BL, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1209–13

Climatotherapy of psoriasis at the Dead Sea [letter] Duvic M, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1298–301

Contribution of topical tar oil to ultraviolet B phototherapy for psoriasis [letter] Lowe NJ. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1053–5

Treatment of psoriasis with prolonged application of tape [letter] Shore RN. **J Am Acad Dermatol** 1986 Sep; 15(3):540–2

Effect of continued ultraviolet B phototherapy on the duration of remission of psoriasis: a randomized study. Stern RS, et al. **J Am Acad Dermatol** 1986 Sep;15(3):546–52

Flow cytometric investigations of corneocytes from psoriatic scales and the effects of Ingram therapy. Bauer FW, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):175–8

Gamma interferon and psoriasis [letter] Schulze HJ, et al. **Lancet** 1986 Oct 18;2(8512):926–7

[Possibilities of light and balneotherapy for the treatment of psoriasis in Hungary and in other socialist countries] Baló–Banga JM, et al. **Dermatol Monatsschr** 1986; 172(8):437–46 (16 ref.) (Eng. Abstr.) **(Ger)**

[Gamma interferon in psoriasis arthropathica (letter)] Bolten W. **Dtsch Med Wochenschr** 1986 Nov 7;111(45):1742 **(Ger)**

[Natural and substitute thalassotherapy of simple psoriasis in Swinoujście] Nowak A, et al. **Przegl Dermatol** 1986 Nov–Dec;73(6):491–7 (Eng. Abstr.) **(Pol)**

[Results of studies on the complex treatment of patients with psoriasis using inhalation of human leukocyte interferon] Igoshin IuM, et al. **Vestn Dermatol Venerol** 1987;(3):36–9 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of therapy effectiveness in psoriasis] Roitshtein BI, et al. **Vestn Dermatol Venerol** 1986;(7):47–51 (Eng. Abstr.) **(Rus)**

URINE

[Polyamines—biochemical markers of the progressive stage of psoriasis] Kagramanova AT, et al. **Vestn Dermatol Venerol** 1987;(3):16–9 (Eng. Abstr.) **(Rus)**

VETERINARY

Characterization of lichenoid–psoriasiform dermatosis of springer spaniels. Mason KV, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):897–901

PSRO see PROFESSIONAL REVIEW ORGANIZATIONS

PSYCHEDELIC AGENTS see HALLUCINOGENS

PSYCHIATRIC AIDES

[How to accompany a suicidal patient] Dorfman Lerner B. **Acta Psiquiatr Psicol Am Lat** 1986 Jun;32(2):137–47 (Eng. Abstr.) **(Spa)**

EDUCATION

National survey of state–sponsored training for residential direct–care staff. Knowles M, et al. **Ment Retard** 1986 Oct; 24(5):293–300

PSYCHOLOGY

Stress, social support, and health of psychiatric technicians in a state facility. Browner CH, et al. **Ment Retard** 1987 Feb;25(1):31–8

Factorial assessment of rated work performance with entry level psychiatric aides. Distefano MK Jr, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):479–82

Job stress and health: the role of social support at work. Browner CH. **Res Nurs Health** 1987 Apr;10(2):93–100

PSYCHIATRIC DEPARTMENT, HOSPITAL

An evaluation of consumer satisfaction in a child psychiatric service: viewpoints of patients and parents. Loff CD, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):132–4

Geriatric referrals to a psychiatric consultation–liaison service. Mainprize E, et al. **Can J Psychiatry** 1987 Feb; 32(1):5–9

A psychiatric intensive care unit in a general hospital setting. Warneke L. **Can J Psychiatry** 1986 Dec;31(9):834–7

A geriatric neuropsychiatric inpatient unit. Ahmed I, et al. **Clin Geriatr Med** 1987 Feb;3(1):211–23

The homeless mentally ill in the general hospital: a question of fit. Bachrach LL. **Gen Hosp Psychiatry** 1986 Sep; 8(5):340–9 (85 ref.)

Assessment of patient–staff and intrastaff problems in psychiatric consultations. Hengeveld MW, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):25–30

A longitudinal account of staff adaptation to AIDS patients on a psychiatric unit. Amchin J, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1235–8

Moving experiences: a model for inpatient transfer based on interviews with patients and their families. Shugar G, et al. **Hosp Community Psychiatry** 1986 Oct;37(10):1035–40

The use of a drug utilisation index to monitor psychotropic drug use in hospitals. Ghodse AH, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):21–9

An outcome study of anorexia nervosa in an adolescent unit. Jenkins ME. **J Adolesc** 1987 Mar;10(1):71–81

Inpatient behavior therapy: the St. Louis University model. Pollard CA, et al. **J Behav Ther Exp Psychiatry** 1986 Dec; 17(4):233–43

Randomised trial of community–based centre versus conventional hospital management in treatment of alcoholism. Potamianos G, et al. **Lancet** 1986 Oct 4; 2(8510):797–9

Use of a long–term inpatient unit as a site for learning psychotherapy. Rosnick L. **Psychiatr Clin North Am** 1987 Jun;10(2):309–23

Intensive treatment of characterologically difficult patients. A general hospital perspective. Silver D, et al. **Psychiatr Clin North Am** 1987 Jun;10(2):219–45

[Referral letters of family physicians to the psychiatric emergency room] Levy A, et al. **Harefuah** 1986 Nov 2; 111(9):229–31 (Eng. Abstr.) **(Heb)**

[Psychiatric outpatient department/day hospital. Integrated treatment] Bastøe O. **Tidsskr Nor Laegeforen** 1986 Oct 30; 106(30):2518–20 (Eng. Abstr.) **(Nor)**

ECONOMICS

The failure of diagnosis–related groups [letter] **Am J Psychiatry** 1986 Oct;143(10):1317

Diagnosis–related groups and exempt psychiatric units [letter] Stein EM. **Am J Psychiatry** 1986 Dec;143(12):1632–3

Cost of community psychiatry [letter] Tyrer P, et al. **Br J Psychiatry** 1986 Dec;149:795–6

Patient characteristics predictive of treatment costs on inpatient psychiatric wards. Essock–Vitale S. **Hosp Community Psychiatry** 1987 Mar;38(3):263–9

The impact of cost containment on alcohol and drug treatment. Mezochow J, et al. **Hosp Community Psychiatry** 1987 May;38(5):506–10

Medical–psychiatry units: an economic alternative for consultation–liaison psychiatry? Stoudemire A, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):815–8

The impact of a prospective payment system on psychosocial service delivery in the general hospital. Lyons JS, et al. **Med Care** 1987 Feb;25(2):140–7

HISTORY

History of the general hospital psychiatric inpatient unit. 1947 to 1986. Asch SS. **Psychiatr Clin North Am** 1987 Jun; 10(2):155–64

LEGISLATION & JURISPRUDENCE

A unit for 'psychopathic disorder' patients in Broadmoor Hospital. Grounds AT, et al. **Med Sci Law** 1987 Jan; 27(1):21–31

MANPOWER

Nurses' response to doctors' orders for close observation. Aidroos N. **Can J Psychiatry** 1986 Dec;31(9):831–3

The role of the unit chief: an integrated perspective. Munich RL. **Psychiatry** 1986 Nov;49(4):325–36

ORGANIZATION & ADMINISTRATION

What happens when psychiatric out–patients are seen once only? Gask L. **Br J Psychiatry** 1986 Jun;148:663–6

Special considerations in integrating elderly patients into a general hospital psychiatric unit. Billig N, et al. **Hosp Community Psychiatry** 1987 Mar;38(3):277–81

Clinician–entered computerized psychiatric triage records. Chang MM. **Hosp Community Psychiatry** 1987 Jun; 38(6):652–6

Time–limited psychiatric hospitalization of children: a model and three–year outcome. Doherty MB, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):643–7

Applying modern management principles to clinical administration of a behaviorally oriented inpatient unit. Merkel WT, et al. **Hosp Community Psychiatry** 1987 Feb; 38(2):152–9

Organization and management of an in–patient treatment unit for adolescents. Perinpanayagam KS. **J Adolesc** 1987 Jun; 10(2):133–48

[Psychiatric department in a general hospital. What viewpoints? (apropos of 10 years of professional experience] Skurnik N. **Ann Med Psychol (Paris)** 1986 Jul;144(7):746–51 **(Fre)**

[The child psychiatry clinic as residential and living space. Experiences in the new development of a pediatric and adolescent station] Müller–Küppers M, et al. **Prax Kinderpsychol Kinderpsychiatr** 1987 May–Jun; 36(4):139–44 (Eng. Abstr.) **(Ger)**

[The psychiatric outpatient clinic and cooperation with the in–patient unit. Some experiences from a psychiatric service in Oslo] Jørstad J. **Tidsskr Nor Laegeforen** 1987 Jun 10; 107(16):1426–9, 1448 (Eng. Abstr.) **(Nor)**

[Group psychotherapy. What structure should psychiatric institutions have?] Karterud S. **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2834–6, 2839 (Eng. Abstr.) **(Nor)**

STANDARDS

The question of confidentiality of a patient's HIV antibody test in a psychiatric treatment unit. Gayle TC, et al. **QRB** 1986 Aug;12(8):290–1

SUPPLY & DISTRIBUTION

Regional secure units: arriving but under threat [editorial] Snowden PR. **Br Med J [Clin Res]** 1987 May 23; 294(6583):1310–1

TRENDS

[Psychiatric consultations in a general hospital] Sirois F, et al. **Can J Psychiatry** 1986 Oct;31(7):630–5 (Eng. Abstr.) **(Fre)**

UTILIZATION

Current need versus treatment history as predictors of use of outpatient psychiatric care. Friedman MJ, et al. **Am J Psychiatry** 1987 Mar;144(3):355–7

A cohort through the revolving door [letter] Cooper AJ. **Can J Psychiatry** 1986 Oct;31(7):700–1

A psychiatric liaison service in a general hospital—eighteen years on. Brown TM, et al. **Health Bull (Edinb)** 1987 Jul;

45(4):190–6
Patterns of referral for psychiatric consultation at a VA Medical Center. Feldmann TB.
Hosp Community Psychiatry 1987 May;38(5):525–7
Length of stay [letter] Schwarz C, et al.
Hosp Community Psychiatry 1987 Feb;38(2):201
Utilization of a consultation liaison psychiatry service in a general hospital. Gobar AH, et al. **J Natl Med Assoc** 1987 May;79(5):505–8
A psychogeriatric outpatient service in a general hospital: is it medically worthwhile? Kral VA, et al.
Psychiatr J Univ Ottawa 1986 Sep;11(3):140–2
The American Psychiatric Association's psychiatric case management program. Kuzmicki KV, et al. **QRB** 1987 Jan; 13(1):21–5
[Psychiatric consultation service. An analysis of demand and utilization in the Innsbruck general public district hospital (university clinics)] Fleischhacker WW, et al.
Nervenarzt 1986 Oct;57(10):589–92 **(Ger)**
[Effectiveness of psychiatric departments at general hospitals] Weise K. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Nov; 38(11):634–40 (Eng. Abstr.) **(Ger)**
[Changes in inpatient utilization of a department of child and adolescent psychiatry between 1956 and 1985] Hummel P. **Z Kinder Jugendpsychiatr** 1986;14(2):145–58 (Eng. Abstr.) **(Ger)**

PSYCHIATRIC NURSING

Let's create diagnoses psych nurses can use. Berry KN.
Am J Nurs 1987 May;87(5):707–8
Psychiatric nurses and the practice of psychotherapy: current status and future possibilities. Christman L.
Am J Psychother 1987 Jul;41(3):384–90
Deinstitutionalization of the mentally ill: oversimplification of complex issues. McCausland MP. **ANS** 1987 Apr; 9(3):24–33
The effects of nurses changing from uniforms to everyday clothes on a psychiatric rehabilitation ward. Lavender A. **Br J Med Psychol** 1987 Jun;60 (Pt 2):189–99
Community psychiatric nursing programme review [letter] Bazas T, et al. **Community Med** 1986 Nov;8(4):361–2
Some determinants of stress in psychiatric nurses. Jones JG, et al. **Int J Nurs Stud** 1987;24(2):129–44
The relationship between burnout and job satisfaction in nurses. Dolan N. **J Adv Nurs** 1987 Jan;12(1):3–12
Staff sickness and its relationships to violent incidents on a regional secure psychiatric unit. Rix G. **J Adv Nurs** 1987 Mar;12(2):223–8
Developing self-care skills and reducing institutionalized behaviour in a long-stay psychiatric population: the role of the nurse in behaviour modification. Stokes G, et al. **J Adv Nurs** 1987 Jan;12(1):35–48
Community psychiatric nursing intervention in an accident and emergency department: a clinical pilot study. Storer D, et al. **J Adv Nurs** 1987 Mar;12(2):215–22
How nurse therapists assess and contribute to the management of alcohol and sedative drug use among anxious patients. Tilley S, et al. **J Adv Nurs** 1986 Sep; 11(5):499–503
The nurse-client relationship: a mutual learning experience. Yuen FK. **J Adv Nurs** 1986 Sep;11(5):529–33
The role of nursing in a support group for heart transplantation recipients and their families. Hyler BJ, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):453–6
Clinical validation of psychiatric nursing skills. Dieterle JA.
J Nurs Educ 1983 Nov;22(9):392–4
Case management with the chronically mentally ill. Baier M. **J Psychosoc Nurs Ment Health Serv** 1987 Jun; 25(6):17–20
The ideal. What role does nursing opinion play in psychiatric hospital image programming? Elbeck MA.
J Psychosoc Nurs Ment Health Serv 1987 May;25(5):23–8
ECT myths [letter] Levy SB, et al.
J Psychosoc Nurs Ment Health Serv 1986 Oct;24(10):6
Patient selection and preparation techniques. Avoiding early dropouts. Murphy JF, et al.
J Psychosoc Nurs Ment Health Serv 1986 Sep;24(9):21–4, 26
How to meet your clients' spiritual needs. Peterson EA, et al. **J Psychosoc Nurs Ment Health Serv** 1987 May; 25(5):34–9
Constructing a conceptual framework for psychosocial nursing. Reed PG. **J Psychosoc Nurs Ment Health Serv** 1987 Feb;25(2):24–8
Stress & coping in psychiatric nursing. Trygstad LN.
J Psychosoc Nurs Ment Health Serv 1986 Oct;24(10):23–7

EDUCATION

Combining community health and psychosocial nursing: a clinical experience with the homeless for generic baccalaureate students. Anderson JA, et al.
J Nurs Educ 1987 May;26(5):189–93
Strategy for teaching evaluation research in psychiatric/mental health nursing. Austin JK, et al.
J Nurs Educ 1987 Mar;26(3):108–12
A public school–based referral system for psychiatric mental health nursing experiences. Eakes GG, et al.
J Nurs Educ 1987 Feb;26(2):76–7
Religion and psychiatry. Cognitive dissonance in nursing students. Lederach NK, et al.
J Psychosoc Nurs Ment Health Serv 1987 Mar;25(3):32–6
Should baccalaureate psychiatric nursing students have full access to patient charts? McDaniel C.
J Psychosoc Nurs Ment Health Serv 1987 Apr;25(4):34–7
A perspective on why nurses should earn doctorates in nursing. Brown SA. **Perspect Psychiatr Care** 1985; 23(1):16–21
The developmental evaluation center as a clinical setting for mental health nursing students. Frutiger AD, et al.
Perspect Psychiatr Care 1985;23(1):27–32
Competencies and skills required by nurses working in forensic areas. Niskala H. **West J Nurs Res** 1986 Nov; 8(4):400–13

HISTORY

From custody to community in psychiatric nursing. Church OM. **Nurs Res** 1987 Jan–Feb;36(1):48–55

MANPOWER

An investigation into the factors influencing variation in the growth of community psychiatric nursing services. Brooker CG. **J Adv Nurs** 1987 May;12(3):367–75

METHODS

Managing assault. Morton PG. **Am J Nurs** 1986 Oct; 86(10):1114–6
Seclusion: organizing safe and effective care. Kendrick DW, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Nov; 24(11):26–8

ORGANIZATION & ADMINISTRATION

Moving from "the gas station" to a nurse-managed psych clinic. Scrak BM, et al. **Am J Nurs** 1987 Feb;87(2):188–90
[Experience in the management of nursing care] Xu SH.
Chung Hua Hu Li Tsa Chih 1986 Dec;21(9):385–7 **(Chi)**

STANDARDS

Nurses' response to doctors' orders for close observation. Aidroos N. **Can J Psychiatry** 1986 Dec;31(9):831–3
Instituting a clinical privileging process for nurses. Apostoles FE, et al. **J Nurs Adm** 1987 Jan;17(1):33–8
Ethical perspectives [editorial] Smoyak SA.
J Psychosoc Nurs Ment Health Serv 1986 Nov;24(11):7

SUPPLY & DISTRIBUTION

Not fade away. Are psych nurses an endangered species? Arnswald L. **J Psychosoc Nurs Ment Health Serv** 1987 May;25(5):31–3

TRENDS

The expanding role of the nurse and the contracting role of the hospital in Italy. Battaglia G.
Int J Soc Psychiatry 1987 Summer;33(2):115–8
Detecting statistically in psychiatric nursing research. Jones SL, et al. **J Psychosoc Nurs Ment Health Serv** 1987 Jan; 25(1):38–42

PSYCHIATRIC SOCIAL WORK see **SOCIAL WORK, PSYCHIATRIC**

PSYCHIATRIC STATUS RATING SCALES

Rating scales for states for anxiety, depression, mania and schizophrenia. A multiaxial approach. Kastrup M, et al.
Acta Psychiatr Belg 1986 Sep–Oct;86(5):575–81
Prediction of outcome in depression by negative symptoms. Chaturvedi SK, et al. **Acta Psychiatr Scand** 1986 Aug; 74(2):183–6
Problems in communication in transcultural psychiatry. The self reporting questionnaire in Ethiopia. Kortmann F.
Acta Psychiatr Scand 1987 Jun;75(6):563–70
A polydiagnostic scale for dimensional classification of endogenous depression. Derivation and validation. Maier W, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):152–60
Comparison between the Brief Psychiatric Rating Scale and the Manchester Scale for the rating of schizophrenic symptoms. Manchanda R, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):563–8
Observer rating scales of anxiety and depression with reference to DSM–III for clinical studies in psychosomatic medicine. Bech P. **Adv Psychosom Med** 1987;17:55–70 (60 ref.)
Validation of a brief screening test for depression in the elderly. Tucker MA, et al. **Age Ageing** 1987 May; 16(3):139–44
Effects of retesting with the Beck and Zung depression scales in alcoholics. Choquette KA, et al. **Alcohol Alcohol** 1987; 22(3):277–83
Adaptive Behavior Scale Cognitive Triad: discrimination and classification of institutionalized mentally retarded adults. McLaren KP, et al. **Am J Ment Defic** 1986 Nov;91(3):304–7
Premenstrual syndrome: documentation by a linear analog scale compared with two descriptive scales. Casper RF, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):862–7
The measurement of attention deficit disorder with behavior ratings of parents. Lambert NM, et al.
Am J Orthopsychiatry 1987 Jul;57(3):361–70
The South Oaks Gambling Screen (SOGS): a new instrument for the identification of pathological gamblers. Lesieur HR, et al. **Am J Psychiatry** 1987 Sep;144(9):1184–8
Research diagnostic problems [letter] Rapaport MH, et al.
Am J Psychiatry 1987 Jun;144(6):826–7
The Neurobehavioral Cognitive Status Examination: a brief but quantitative approach to cognitive assessment. Kiernan RJ, et al. **Ann Intern Med** 1987 Oct;107(4):481–5
The Neurobehavioral Cognitive Status Examination: comparison with the Cognitive Capacity Screening Examination and the Mini-Mental State Examination in a neurosurgical population. Schwamm LH, et al.
Ann Intern Med 1987 Oct;107(4):486–91
Screening devices for cognitive capacity. Strain JJ, et al.
Ann Intern Med 1987 Oct;107(4):583–5
A potential artifact in determining rates of depression [letter] Anthony JC. **Arch Gen Psychiatry** 1987 Aug;44(8):759–60
Further measures of the psychometric properties of the Children's Global Assessment Scale. Bird HR, et al.
Arch Gen Psychiatry 1987 Sep;44(9):821–4
The Spanish Diagnostic Interview Schedule. Reliability and concordance with clinical diagnoses in Puerto Rico. Canino GJ, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):720–6
The Longitudinal Interval Follow-up Evaluation. A comprehensive method for assessing outcome in prospective longitudinal studies. Keller MB, et al.
Arch Gen Psychiatry 1987 Jun;44(6):540–8
Performance of screening and diagnostic tests. Application of receiver operating characteristic analysis. Murphy JM, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):550–5
Reliability of DSM–III diagnoses for major depression and generalized anxiety disorder using the structured clinical interview for DSM–III. Riskind JH, et al.
Arch Gen Psychiatry 1987 Sep;44(9):817–20
Assessing psychiatric disorders in children. Discrepancies between mothers' and children's reports. Weissman MM, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):747–53
Psychophysiological response patterns in college students with high physical anhedonia: scores appear to reflect schizotypy rather than depression. Bernstein AS, et al.
Biol Psychiatry 1987 Jul;22(7):829–47
An American validation study of the Newcastle diagnostic scale. I. Relationship with the dexamethasone suppression test. Zimmerman M, et al. **Br J Psychiatry** 1986 Nov; 149:627–30
The dexamethasone suppression test and the Children's Depression Inventory in psychiatric disorders in children. Woodside DB, et al. **Can J Psychiatry** 1987 Feb;32(1):2–4
The Children's Depression Rating Scale for normal and depressed outpatients. Shanahan KM, et al.
Clin Pediatr (Phila) 1987 May;26(5):245–7
Test-retest reliability of a standardized psychiatric interview (DIS/CIDI). Semler G, et al.
Eur Arch Psychiatry Neurol Sci 1987;236(4):214–22
Testing older patients' mental status: practical office-based approach. U'Ren RC. **Geriatrics** 1987 Mar;42(3):49–50, 54–6
A Hamilton subscale for endogenomorphic depression. Thase ME. **Hillside J Clin Psychiatry** 1984;6(1):57–68
Mini-mental state exam in clinical practice. Rovner BW, et al. **Hosp Pract [Off]** 1987 Jan 30;22(1A):99, 103, 106, 110
Depression in alcoholics by the NIMH–Diagnostic Interview Schedule and Zung Self-Rating Depression Scale. Lippmann S, et al. **Int J Addict** 1987 Mar;22(3):273–81
Prediction of psychoticlike symptoms in hypothetically psychosis-prone college students. Allen JJ, et al.
J Abnorm Psychol 1987 May;96(2):83–8
Psychometric structure of psychiatric rating scales. Montgomery LM, et al. **J Abnorm Psychol** 1987 May; 96(2):167–70
Predicting outcome in schizophrenics and nonschizophrenics of both sexes: the Zigler–Phillips Social Competence Scale. Westermeyer JF, et al. **J Abnorm Psychol** 1986 Nov; 95(4):406–9
Assessment of depression: a comparison of rating scales. Faravelli C, et al. **J Affective Disord** 1986 Nov–Dec; 11(3):245–53
Rating depression in normals and depressives: observer versus self-rating scales. Fava GA, et al. **J Affective Disord** 1986 Jul–Aug;11(1):29–33
Assessment of depression in an elderly medical population. Magni G, et al. **J Affective Disord** 1986 Sep–Oct; 11(2):121–4
Use of assessment instruments in clinical settings. Applegate WB. **J Am Geriatr Soc** 1987 Jan;35(1):45–50
Longitudinal change in three brief assessments of SDAT. Berg G, et al. **J Am Geriatr Soc** 1987 Mar;35(3):205–12
Why depression scales should not include all diagnostic criteria [letter] Brink TL. **J Am Geriatr Soc** 1987 Apr; 35(4):368
Short Portable Mental Status Questionnaire as a screening test for dementia and delirium among the elderly. Erkinjuntti T, et al. **J Am Geriatr Soc** 1987 May;35(5):412–6
Assessment and care of the community-dwelling Alzheimer's disease patient. Fisk AA, et al. **J Am Geriatr Soc** 1987 Apr; 35(4):307–11
The use of mental health measures in nursing home research. Rabins PV, et al. **J Am Geriatr Soc** 1987 May;35(5):431–4 (19 ref.)
The Behavior Observation Scale for autism (BOS): initial results of factor analysis. Freeman BJ, et al.
J Autism Dev Disord 1980 Sep;10(3):343–6
A structured interview for assessing dental fear. Vrana S, et al. **J Behav Ther Exp Psychiatry** 1986 Sep;17(3):175–8

Assessment of psychological morbidity in primary care: explorations with the General Health Questionnaire. Berwick DM, et al. **J Chronic Dis** 1987;40 Suppl 1:71S–84S

The Meaning in Life Scale: determining the reliability and validity of a measure. Warner SC, et al. **J Chronic Dis** 1987;40(6):503–12

A comparison of self-reported versus clinician-related symptoms in depression. Rush AJ, et al. **J Clin Psychiatry** 1987 Jun;48(6):246–8

The Modified Mini-Mental State (3MS) examination. Teng EL, et al. **J Clin Psychiatry** 1987 Aug;48(8):314–8

Concurrent validity of the clinical symptom syndrome scales of the Millon Clinical Multiaxial Inventory. McMahon RC, et al. **J Clin Psychol** 1986 Nov;42(6):908–12

Reliability of mental status instruments administered to nursing home residents. Lesher EL, et al. **J Consult Clin Psychol** 1986 Oct;54(5):726–7

Alzheimer's dementia: performance on the Mini-Mental State Examination. Teng EL, et al. **J Consult Clin Psychol** 1987 Feb;55(1):96–100

The genogram and elderly patients [letter] Bannerman C. **J Fam Pract** 1986 Nov;23(5):426, 428

Diagnostic errors using the Short Portable Mental Status Questionnaire with a mixed clinical population. Dalton JE, et al. **J Gerontol** 1987 Sep;42(5):512–4

Measurement characteristics of the mental health scale from the OARS. Older Americans Resources and Services. Gatz M, et al. **J Gerontol** 1987 May;42(3):332–5

Standardization and validation of the Multidimensional Observation Scale for Elderly Subjects (MOSES). Helmes E, et al. **J Gerontol** 1987 Jul;42(4):395–405

Correlations of Mini-Mental State and modified Dementia Rating Scale to measures of transitional health status in dementia. Uhlmann RF, et al. **J Gerontol** 1987 Jan; 42(1):33–6

Demographic, historical, and symptomatic features of the nonmanic psychoses. Coryell W, et al. **J Nerv Ment Dis** 1986 Oct;174(10):585–92

Use of the Mini-Mental State Examination (MMSE) in a community population of mixed ethnicity. Cultural and linguistic artifacts. Escobar JI, et al. **J Nerv Ment Dis** 1986 Oct;174(10):607–14

Goal Attainment Scaling. Relevance and replicability in follow-up of inpatients. Lewis AB, et al. **J Nerv Ment Dis** 1987 Jul;175(7):408–18

Use of the Diagnostic Interview Schedule in patients with diabetes mellitus. Lustman PJ, et al. **J Nerv Ment Dis** 1986 Dec;174(12):743–6

The Mini Mental State in those with developmental disabilities. Myers BA. **J Nerv Ment Dis** 1987 Feb; 175(2):85–9

Taking the measure of anxiety and depression. Validity of the reconstructed Hamilton scales. Riskind JH, et al. **J Nerv Ment Dis** 1987 Aug;175(8):474–9

An application of Mokken's model for stochastic, cumulative scaling in psychiatric research. DeJong A, et al. **J Psychiatr Res** 1987;21(2):137–49

Developing a screening index for community studies of somatization disorder. Swartz M, et al. **J Psychiatr Res** 1986;20(4):335–43

A validation study of three anxiety and depression self-assessment scales. Aylard PR, et al. **J Psychosom Res** 1987;31(2):261–8

Practical appraisal of a new rating scale (MRSS) for rehabilitation. Khoosal DI, et al. **J R Soc Med** 1987 Feb; 80(2):88–90

The Hospital Anxiety and Depression Scale [letter] Huston GJ. **J Rheumatol** 1987 Jun;14(3):644

A short test of mental status: description and preliminary results. Kokmen E, et al. **Mayo Clin Proc** 1987 Apr; 62(4):281–8

Non-adaptability to basic training and the Millon Clinical Multiaxial Inventory. Butters M, et al. **Milit Med** 1986 Nov; 151(11):574–6

Comparative study of four evaluation criteria in a clinical trial with schizophrenic patients. Fombonne E, et al. **Neuropsychobiology** 1986;16(4):186–92

Reliability and validity of mental status questionnaires in elderly hospitalized patients. Foreman MD. **Nurs Res** 1987 Jul–Aug;36(4):216–20

The nature of emotional blunting: a factor-analytic study. Berenbaum SA, et al. **Psychiatry Res** 1987 Jan;20(1):57–67

Negative Symptom Rating Scale: limitations in psychometric and research methodology [letter] Kay SR, et al. **Psychiatry Res** 1986 Oct;19(2):169–73

Brief psychiatric rating scale for children: quantitative scoring of medical records. Mullins D, et al. **Psychiatry Res** 1986 Sep;19(1):43–9

Behavioral changes in patients with mild senile dementia of the Alzheimer's type. Rubin EH, et al. **Psychiatry Res** 1987 May;21(1):55–62

Rating scales in research: the case of negative symptoms. Thiemann S, et al. **Psychiatry Res** 1987 Jan;20(1):47–55

Italian version of the organic brain syndrome and the depression scales from the CARE: evaluation of their performance in geriatric institutions. Spagnoli A, et al. **Psychol Med** 1987 May;17(2):507–13

The polydiagnostic interview: a structured interview for the polydiagnostic classification of psychiatric patients. Philipp M, et al. **Psychopathology** 1986;19(4):175–85

Scale for the assessment of thought, language, and communication (TLC). Andreasen NC. **Schizophr Bull** 1986;12(3):473–82

The search for symptoms predictive of schizophrenia. Chapman LJ, et al. **Schizophr Bull** 1987;13(3):497–503

Prognostic scale for chronic schizophrenia. Fenton WS, et al. **Schizophr Bull** 1987;13(2):277–86

Prospective study of course of illness in schizophrenia: Part II. Prediction of outcome. Gaebel W, et al. **Schizophr Bull** 1987;13(2):299–306

The positive and negative syndrome scale (PANSS) for schizophrenia. Kay SR, et al. **Schizophr Bull** 1987; 13(2):261–76

Evaluating bizarre-idiosyncratic thinking: a comprehensive index of positive thought disorder. Marengo JT, et al. **Schizophr Bull** 1986;12(3):497–511

The Interview Measure of Social Relationships: the description and evaluation of a survey instrument for assessing personal social resources. Brugha TS, et al. **Soc Psychiatry** 1987;22(2):123–8

Psychiatric research instruments in the transcultural setting: experiences in India and Brazil. Sen B, et al. **Soc Sci Med** 1986;23(3):277–81

Cognitive dysfunction in psychiatric consultation subgroups: use of two screening tests. Burch EA Jr, et al. **South Med J** 1987 Sep;80(9):1079–82

[Trial formulation of a mental development testing scale for infants 0 to 3 years using combined longitudinal and sectional studies] Xue H. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):70–4, 124 (Eng. Abstr.) **(Chi)**

[Uses of HAMA the rating scale in neurosis] Lin GX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Dec; 19(6):342–4 (Eng. Abstr.) **(Chi)**

[Use of rating scales in depressive neurosis: a preliminary trial] Wu WY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Dec; 19(6):339–41 (Eng. Abstr.) **(Chi)**

[Trial use of CES-D with 550 normal persons] Zhang MY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):67–71 (Eng. Abstr.) **(Chi)**

[The rating results of 271 neurotics based on symptomatic scales] Zhu CM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Oct; 19(5):294–6 (Eng. Abstr.) **(Chi)**

[The MCMI—Millon Clinical Multiaxial Inventory. Clinical experiences with a new questionnaire for assessing psychiatric patients] Simonsen E, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2872–5 (Eng. Abstr.) **(Dan)**

[History, description and application of the AMDP system and its derivative systems (AGP, FPDS)] Bobon D. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):7–22 (Eng. Abstr.) **(Fre)**

[The AMDP scales in a phase II evaluation of psychotropic drugs] Digonnet C, et al. **Acta Psychiatr Belg** 1987 Mar–Apr;87(2):245–52 (Eng. Abstr.) **(Fre)**

[Affective disorders in the AMDP-4 psychopathological scale] Le Gal M, et al. **Acta Psychiatr Belg** 1987 Mar–Apr; 87(2):165–78 (Eng. Abstr.) **(Fre)**

[Usefulness of self-assessment scales for anxiety and depression in internal medicine] Lepine JP, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):608–15 (Eng. Abstr.) **(Fre)**

[Standardization of the clinical interview as a function of the AMDP scales] Mormont C. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):61–8 (Eng. Abstr.) **(Fre)**

[The Forensic Psychiatric Documentation System (FPDS). Development and initial application in penal expertise] Nedopil N, et al. **Acta Psychiatr Belg** 1987 Jan–Feb; 87(1):98–113 (Eng. Abstr.) **(Fre)**

[Spanish adaptation and validation of the anxiety scale of the French-language AMDP] Sanchez Blanque A, et al. **Acta Psychiatr Belg** 1987 Mar–Apr;87(2):201–14 (Eng. Abstr.) **(Fre)**

[Scales, factor analysis and subscales of the French-language AMDP system] Troisfontaines B, et al. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):23–60 (Eng. Abstr.) **(Fre)**

[What do you say, agnostic?] von Frenckell R. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):85–91 (Eng. Abstr.) **(Fre)**

[Hierarchical analysis of the scale of Widlöcher depressive abatement. Hierarchical analysis] Pellet J, et al. **Ann Med Psychol (Paris)** 1987 Mar;145(3):265–71 **(Fre)**

[Description of a sample of 300 MADRS scales on depressive patients] Pellet J, et al. **Ann Med Psychol (Paris)** 1987 Feb; 145(2):170–5 **(Fre)**

[The Newcastle Index for the diagnosis of endogenous depression. Comparison with the Research Diagnostic Criteria for major depression] Ansseau M, et al. **Encephale** 1987 Mar–Apr;13(2):67–72 (Eng. Abstr.) **(Fre)**

[French adaptation and validation of the Carroll rating scale for depression] Charles G, et al. **Encephale** 1986 Sep–Oct; 12(5):299–301 (Eng. Abstr.) **(Fre)**

[Comparison of masked and endogenous depression using psychometric scales, endocrinological markers and pharmacological responses. Masked depression versus endogenous depression] Pinard G, et al. **Encephale** 1986 May–Jun;12(3):99–103 (Eng. Abstr.) **(Fre)**

[Clinical measurement of psychopathology: the AMDP system] Bobon D, et al. **Rev Med Liege** 1986 Nov 15; 41(22):922–33 **(Fre)**

[Psychological and social anhedonia. Evaluation of a research instrument for measuring a basic psychopathologic disorder] Burgdörfer G, et al. **Eur Arch Psychiatry Neurol Sci** 1987;236(4):223–9 (Eng. Abstr.) **(Ger)**

[Congruence between the Frankfurt Complaint Inventory and the clinical rating of schizophrenic patients] Gmür M. **Nervenarzt** 1987 Jun;58(6):365–8 **(Ger)**

[A new rating scale for senile dementia] Nygaard HA, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):546–7 **(Nor)**

[A review of the more important evaluation scales in geriatrics] Bidzan L. **Psychiatr Pol** 1986 Nov–Dec; 20(6):489–96 (36 ref.) **(Pol)**

[Evaluation of the clinical effectiveness of mianserin by psychological testing (the Hamilton scale)] Chiriță V, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar; 90(1):131–6 (Eng. Abstr.) **(Rum)**

[Self concept, sex and marital status] Tamayo A. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):207–14 (Eng. Abstr.) **(Spa)**

[Factor structure of the Castillian version of the Hamilton Rating Scale for Depression] Cordero Villafáfila A, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Jul–Aug;14(4):339–42 (Eng. Abstr.) **(Spa)**

[Validation of the Castillian version of the Hamilton Rating Scale for Depression] Ramos-Brieva JA, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Jul–Aug;14(4):324–34 (Eng. Abstr.) **(Spa)**

[Relation between the validity and reliability of the Castillian version of the Hamilton Rating Scale for Depression] Ramos-Brieva JA, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Jul–Aug;14(4):335–8 (Eng. Abstr.) **(Spa)**

[Exploratory study on a self-evaluation scale for depression in children and adolescents] Alvarez E, et al. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):21–5 (Eng. Abstr.) **(Spa)**

STANDARDS

[Presentation of the AGP and observations on this evaluation system of symptomatology in gerontopsychiatry] Mirel J, et al. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):92–7 (Eng. Abstr.) **(Fre)**

[Statistical evaluation of a new depression scale: the relational scale] Ohayon M, et al. **Ann Med Psychol (Paris)** 1986 Apr; 144(4):407–22 **(Fre)**

PSYCHIATRY

Proceedings of the 3rd Congress of the International Federation of Psychiatric Epidemiology. Cooperation between clinicians and epidemiologists. Brussels, September 9–11, 1985. **Acta Psychiatr Belg** 1986 Jul–Aug; 86(4):337–508 **(Eng, Mul)**

Epidemiology and clinical psychiatry. Cooper B. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):340–8

Routine information systems in psychiatry. Forster DP, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):582–7

Working conditions of male and female psychiatrists. Kastrup M, et al. **Acta Psychiatr Scand** 1986 Jul;74(1):84–90

Problems in communication in transcultural psychiatry. The self reporting questionnaire in Ethiopia. Kortmann F. **Acta Psychiatr Scand** 1987 Jun;75(6):563–70

Reporting practices of psychiatrists who knew of sexual misconduct by colleagues. Gartrell N, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):287–95

Problems in switching psychological perspectives [letter] Benjamin J. **Am J Psychiatry** 1986 Dec;143(12):1630–1

Male and female psychiatrists and their patients. Fenton WS, et al. **Am J Psychiatry** 1987 Mar;144(3):358–61

Neuroscience and psychiatry [letter] George MS. **Am J Psychiatry** 1987 Aug;144(8):1103

The relationship between psychiatrists and clergy [letter] Grant DH. **Am J Psychiatry** 1986 Oct;143(10):1317–8

Psychiatrist-patient sexual contact: results of a national survey, II: Psychiatrists' attitudes. Herman JL, et al. **Am J Psychiatry** 1987 Feb;144(2):164–9

Consumers' views of DSM-III [letter] Nussbaum K. **Am J Psychiatry** 1986 Oct;143(10):1314

Neuroscience and psychiatry: marriage or coexistence? Pardes H. **Am J Psychiatry** 1986 Oct;143(10):1205–12 (53 ref.)

Psychiatry in medicine: medicine in psychiatry. Pasnau RO. **Am J Psychiatry** 1987 Aug;144(8):975–80

Opportunities and challenges that confront medicine and its specialties, with special reference to psychiatry. Pollock GH. **Am J Psychiatry** 1987 Aug;144(8):980–5

Keeping the clinician-researcher alive [letter] Sarasua MM. **Am J Psychiatry** 1987 Feb;144(2):262–3

The theory and practice of movie psychiatry. Schneider I. **Am J Psychiatry** 1987 Aug;144(8):996–1002

Reporting the proportions of variance explained (PVE) [letter] Thyer BA, et al. **Am J Psychiatry** 1987 May; 144(5):690

Clarification of the UCLA psychiatric assistance program [letter] West LJ, et al. **Am J Psychiatry** 1986 Nov; 143(11):1490

The role of the psychiatrist in the practice of psychotherapy. Ludwig A. **Am J Psychother** 1987 Jul;41(3):361–8

Cognitive differences between clinical psychologists and psychiatrists. Kingsbury SJ. **Am Psychol** 1987 Feb; 42(2):152–6

Eating disorders [letter] Eckert ED, et al. **Ann Intern Med** 1987 Mar;106(3):480–1

Psychiatry and psychology: the wall [letter] Kingsbury SJ. **Arch Gen Psychiatry** 1987 Apr;44(4):391–2
Psychiatric consultations in short-term general hospitals. Wallen J, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):163–8
Psychiatrists and drug use: implications of alternatives to the 'disease' concept. Drew LR. **Aust NZ J Psychiatry** 1986 Sep;20(3):376–80
On blinding the Journal assessor. Parker G. **Aust NZ J Psychiatry** 1986 Jun;20(2):241–2
Psychiatry 'at the coal-face'. Raphael B. **Aust NZ J Psychiatry** 1986 Sep;20(3):316–32
In search of a common language. Yosiphovich KI. **Biol Psychiatry** 1987 May;22(5):526–8
Towards a psychiatric détente [editorial] Yosiphovich KI. **Biol Psychiatry** 1987 May;22(5):525
Care of the dying. The role of the psychiatrist. Parkes CM. **Br J Hosp Med** 1986 Oct;36(4):250, 252, 254–5
A survey of practising psychiatrists' views on the treatment of schizophrenia. Andrews S, et al. **Br J Psychiatry** 1986 Sep;149:357–64
A survey of practising psychiatrists' views on treatment of the depressions. Armstrong MS, et al. **Br J Psychiatry** 1986 Dec;149:742–50
Mindlessness and brainlessness in psychiatry. Eisenberg L. **Br J Psychiatry** 1986 May;148:497–508 (119 ref.)
Psychiatry in the People's Republic of China. Parry-Jones WL. **Br J Psychiatry** 1986 Jun;148:632–41
Positive and negative symptoms in psychiatry. Trimble MR. **Br J Psychiatry** 1986 May;148:587–9
Development of scales to measure treatment attitudes in psychiatry. Wilkinson G, et al. **Br J Psychiatry** 1986 May; 148:581–6
The debasing of medicine in the Soviet Union [editorial] White C. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1524
Medical stereotypes and medical realities. Woolf J, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1660
Writing about psychiatric patients. Guidelines for disguising case material. Clifft MA. **Bull Menninger Clin** 1986 Nov; 50(6):511–24
Psychological factors in the choice of psychiatry as a career. Frank H, et al. **Can J Psychiatry** 1987 Mar;32(2):118–22
Multiculturalism and Canadian psychiatry: opportunities and challenges. Lin TY. **Can J Psychiatry** 1986 Oct; 31(7):681–90
In media res [editorial] Munro A. **Can J Psychiatry** 1986 Oct;31(7):607
A psychiatrist muses on scientific method [editorial] Emanuel E. **Can Med Assoc J** 1987 May 1;136(9):923–4
Don't let technology diminish humanity, 700 psychiatrists told. Zilm G. **Can Med Assoc J** 1986 Nov 15;135(10):1186, 1189
Recent research developments in consultation–liaison psychiatry. Cohen-Cole SA, et al. **Gen Hosp Psychiatry** 1986 Sep;8(5):316–29 (78 ref.)
The masochistic patient in consultation–liaison psychiatry. Elliott RL. **Gen Hosp Psychiatry** 1987 Jul;9(4):241–50
Assessment of patient-staff and intrastaff problems in psychiatric consultations. Hengeveld MW, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):25–30
A British view of liaison psychiatry. Mayou R. **Gen Hosp Psychiatry** 1987 Jan;9(1):18–24
Neurologic referrals to a psychiatric consultation–liaison service. A study of 199 patients. Schofield A, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):280–6
Primary care–psychiatry interaction: a British perspective. Strathdee G. **Gen Hosp Psychiatry** 1987 Mar;9(2):102–10
Evaluation of psychiatric consultation–liaison in primary care settings. Von Korff M, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):118–25
The effects of monthly psychiatric consultation in a nursing home. Tourigny-Rivard MF, et al. **Gerontologist** 1987 Jun; 27(3):363–6
A psychiatric liaison service in a general hospital—eighteen years on. Brown TM, et al. **Health Bull (Edinb)** 1987 Jul; 45(4):190–6
Psychiatrists and community mental health centers. Clark GH Jr. **Hosp Community Psychiatry** 1987 Feb;38(2):113
A survey of psychiatrists' practices related to the use of tricyclic antidepressants. Goldberg SC, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1247–51
Liability for violent acts [letter] Goldstein RL. **Hosp Community Psychiatry** 1987 Mar;38(3):306–7
Telling patients and families the psychiatric diagnosis: a survey of psychiatrists. Green RS, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):666–8
The professional liability crisis: an interview with Joel Klein [interview by John A. Talbott] Klein J. **Hosp Community Psychiatry** 1986 Oct;37(10):1012–6
Slander and rubbish [letter] Rapp MS. **Hosp Community Psychiatry** 1986 Nov;37(11):1161
Consultation liaison [letter] Reed K, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):673–4
Reflections of a radio psychiatrist. Ruben HL. **Hosp Community Psychiatry** 1986 Sep;37(9):934–6
Mediating retention or release of the potentially dangerous patient. Schwartz HI, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):75–7
Psychiatric expertise in clinical decision making for psychiatric inpatients. Towery OB, et al. **Hosp Community Psychiatry** 1987 Jul;38(7):758–63
Deinstitutionalization and psychiatric expertise: reflections on dangerousness, deviancy, and madness (Italy and the United States). Lovell AM, et al. **Int J Law Psychiatry** 1986;9(3):361–81
HMOs and psychiatry: could there be a silver lining? Marshall JR. **Int J Law Psychiatry** 1987;10(1):35–43
Medical students' gender preference when selecting a psychiatrist. Kris KB, et al. **J Am Coll Health** 1986 Jul; 35(1):5–10
The attitudes of psychiatrists toward etiological theories of schizophrenia: 1975–1985. Gallagher BJ 3d, et al. **J Clin Psychol** 1987 Jul;43(4):438–43
The psychiatrist's role in retrospective determination of suicide: an uncertain science. Goldstein RL. **J Forensic Sci** 1987 Mar;32(2):489–95
The treating psychiatrist as forensic evaluator in release decisions. Miller RD. **J Forensic Sci** 1987 Mar;32(2):481–8
Prison psychiatry and professional responsibility. Smith CE. **J Forensic Sci** 1987 May;32(3):717–24
Theories on homosexuality among professional therapists. van Naerssen AX. **J Homosex** 1986 Winter–1987 Spring; 13(2–3):145–54
Role of the consultation–liaison psychiatrist in the treatment of AIDS patients. Feldmann TB. **J Ky Med Assoc** 1987 May;85(5):249–52
"More than medical significance": LSD and American psychiatry 1953 to 1966. Neill JR. **J Psychoactive Drugs** 1987 Jan–Mar;19(1):39–45
1987 Lasker Award recipients announced [news] Merz B. **JAMA** 1987 Oct 2;258(13):1705
Computers in psychiatry. Schwartz SR, et al. **MD Comput** 1985 Mar–Apr;2(2):42–50
Doctors' interest in psychiatry as a career. Creed F, et al. **Med Educ** 1987 May;21(3):235–43
Abortion laws and the involvement of the psychiatrist in Australia. Haig RA. **Med Law** 1987;6(2):99–106
Psychiatric treatment of women: standard of care? Vranas M. **Med Trial Tech Q** 1982 Spring;28(4):375–86
Psychiatric consultation in professional football. Nicholi AM Jr. **N Engl J Med** 1987 Apr 23;316(17):1095–100
Warning from Soviet psychiatrist on doubtful practices [news] Rich V. **Nature** 1987 May 28–Jun 3;327(6120):264
Consultation–liaison psychiatry. **Psychiatr Clin North Am** 1987 Mar;10(1):1–154
Alcoholism and the consultation–liaison psychiatrist. Gill DJ. **Psychiatr Clin North Am** 1987 Mar;10(1):129–39 (36 ref.)
Professionalism, bureaucracy and patriotism: the VA as a health care megasystem. Rosenheck R. **Psychiatr Q** 1986–87 Summer;58(2):77–90
The double life of a psychiatrist: role changes between hospital and office. Schwartz RS. **Psychiatry** 1987 Feb; 50(1):83–7
Empathy scores of nurses, psychiatrists and hospital administrators on the California Psychological Inventory. Brown NW, et al. **Psychol Rep** 1987 Feb;60(1):295–300
Textbook dispute [letter] **Science** 1987 May 8;236(4802):655–7
The state of psychiatry in South Africa today. Dommisse J. **Soc Sci Med** 1987;24(9):749–61
The relations between psychopharmacology and clinical psychiatry. Pichot P. **Yakubutsu Seishin Kodo** 1986 Jun; 6(2):229–37
[The relation between professionalism and humanism. Psychological, clinical and therapeutic considerations] Smitka V, et al. **Cas Lek Cesk** 1987 Jan 30;126(5):129–32 (Eng. Abstr.) **(Cze)**
[Epidemiological knowledge and clinical truth: objectivity and clinical practice] Pedinielli JL, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):622–7 (Eng. Abstr.) **(Fre)**
[Medico-Psychological Society. List of members] **Ann Med Psychol (Paris)** 1987 Jan;145(1):11–36 **(Fre)**
[Medico-psychological Society. List of members] **Ann Med Psychol (Paris)** 1986 Jan;144(1):47–79 **(Fre)**
[Role of epidemiology in the adaptation of a private psychiatric health system] Chanoit PF, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):612–21 **(Fre)**
[Psychiatry and interdisciplinary research. Value of a systems approach] Marchais P, et al. **Ann Med Psychol (Paris)** 1986 Feb;144(2):129–41 (Eng. Abstr.) **(Fre)**
[The matter of computerized medical records in psychiatry] Cialdella P, et al. **Encephale** 1986 Jul–Aug;12(4):155–60 (Eng. Abstr.) **(Fre)**
[Concept of resistant depression] Hardy P. **Encephale** 1986 Oct;12 Spec No:191–6 (Eng. Abstr.) **(Fre)**
[Internal medicine and psychiatry] Nollet D. **Rev Med Interne** 1987 May–Jun;8(3):247–9 **(Fre)**
[Current questions of borderline areas between psychiatry and social policy] Szilárd J, et al. **Orv Hetil** 1986 Dec 21; 127(51):3125–8 (Eng. Abstr.) **(Hun)**
[Legal and social responsibilities of the psychiatrist within the public health service] Merra S. **Minerva Med** 1986 Sep 15;77(34–35):1585–92 (Eng. Abstr.) **(Ita)**
[The professional identity crisis of the psychiatrist] Parisi R, et al. **Minerva Psichiatr** 1986 Oct–Dec;27(4):287–91 (Eng. Abstr.) **(Ita)**
[Psychiatric consultation: a practice to be avoided?] Pastres P, et al. **Minerva Psichiatr** 1987 Jan–Mar;28(1):1–3 (Eng. Abstr.) **(Ita)**
[Medical ethics] **Seishin Shinkeigaku Zasshi** 1986; 88(11):871–911 **(Jpn)**
[A systemic approach in psychiatry] Bilikiewicz A, et al. **Psychiatr Pol** 1986 Nov–Dec;20(6):465–73 **(Pol)**
[Polish psychiatric literature 1984] Karyś W, et al. **Psychiatr Pol** 1986 Mar–Apr;20(2):137–67 **(Pol)**
[Critique of the concept of hypochondriasis] Gradillas V. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Sep–Oct;14(5):389–91 (Eng. Abstr.) **(Spa)**
[The psychiatrist in the general hospital] Nuñez-López JA. **Bol Asoc Med PR** 1986 Nov;78(11):491–3 **(Spa)**

ECONOMICS

Democratic socialism confronts psychiatry [letter] **Can Med Assoc J** 1987 Jan 15;136(2):99–101
Democratic socialism confronts psychiatry. Hoffman B. **Can Med Assoc J** 1986 Oct 15;135(8):931–2

EDUCATION

Teaching methods for use by psychiatrists in primary care settings. Goldberg D. **Acta Psychiatr Belg** 1986 Sep–Oct; 86(5):568–74
Teaching clinical research: what clinicians need to know. Goering P, et al. **Am J Orthopsychiatry** 1987 Jul; 57(3):418–23
Clinician–researchers in psychiatry [letter] **Am J Psychiatry** 1987 Apr;144(4):535–6
Ongoing evaluation in psychiatry: the first step toward quality. Borus JF, et al. **Am J Psychiatry** 1986 Nov; 143(11):1415–9
Training psychiatrists in the community: a report of the Italian experience. Burti L, et al. **Am J Psychiatry** 1986 Dec;143(12):1580–4
Shifts in attitudes among psychiatric residents: serial measures over 10 years. Coryell W. **Am J Psychiatry** 1987 Jul; 144(7):913–7
New technology in convulsive therapy: a challenge in training. Fink M. **Am J Psychiatry** 1987 Sep;144(9):1195–8
Distress precipitated by psychiatric training among medical students. Kris K. **Am J Psychiatry** 1986 Nov;143(11):1432–5
Ratings of videotaped simulated patient interviews and four other methods of evaluating a psychiatry clerkship. Mumford E, et al. **Am J Psychiatry** 1987 Mar;144(3):316–22
Compact camcorders for teaching psychiatric interviewing [letter] Shaner A. **Am J Psychiatry** 1987 Sep;144(9):1245
Applicants' choice of a residency training program. Sledge WH, et al. **Am J Psychiatry** 1987 Apr;144(4):501–3
Establishing therapeutic contact with schizophrenics: a supervisory approach. Huszonek JJ. **Am J Psychother** 1987 Apr;41(2):185–93
Career, research involvement, and research fellowship plans of potential psychiatrists. Haviland MG, et al. **Arch Gen Psychiatry** 1987 May;44(5):493–6
Does psychiatric research need training? [letter] Chowdhury P. **Br J Hosp Med** 1986 Nov;36(5):385
Does psychiatric research need training? [editorial] Shiwach RH, et al. **Br J Hosp Med** 1986 Jul;36(1):11
Termination in individual psychotherapy: a survey of residents' experience. de Bosset F, et al. **Can J Psychiatry** 1986 Oct;31(7):636–42
The effects of teaching medical students psychotherapy skills in the outpatient department. Frank D, et al. **Can J Psychiatry** 1987 Apr;32(3):185–9
Psychiatry and family medicine: the McMaster approach. Kates N, et al. **Can J Psychiatry** 1987 Apr;32(3):170–4
The clinical oral examination in psychiatry: association between subscoring and global marks. Leichner P, et al. **Can J Psychiatry** 1986 Nov;31(8):750–1
Resident training in chronic care and rehabilitation. Packer S. **Can J Psychiatry** 1987 Mar;32(2):151–2
Report: conference on key issues in post-graduate psychiatric education in Canada. Paris J, et al. **Can J Psychiatry** 1986 Nov;31(8):705–7
Psychiatric training and the trainee: is there a fit? Persad E, et al. **Can J Psychiatry** 1986 Nov;31(8):727–30
Key issues in post-graduate psychiatric education in Canada. Prosen H. **Can J Psychiatry** 1986 Nov;31(8):703–4
A reexamination of the psychiatric resident's experience in the general hospital. Hales RE, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):432–6
Consultation–liaison psychiatry and clinical ethics: a model for consultation and teaching. Hayes JR. **Gen Hosp Psychiatry** 1986 Nov;8(6):415–8
Consultation–liaison psychiatry and the teaching of ethics. McCartney JR. **Gen Hosp Psychiatry** 1986 Nov;8(6):411–4
The general hospital as a center of biopsychosocial training. O'Shanick GJ, et al. **Gen Hosp Psychiatry** 1986 Sep; 8(5):365–71
A conceptual model for educating primary care providers in the diagnosis and treatment of depression. Schulberg HC, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):1–10
The role of psychiatry in the training of primary care physicians. Strain JJ, et al. **Gen Hosp Psychiatry** 1986 Sep; 8(5):372–85 (72 ref.)
Graduates of foreign medical schools in American psychiatry. Munoz RA, et al. **Hosp Community Psychiatry** 1986 Oct; 37(10):1021–4
Multidisciplinary training in the College Mental Health Service. Pinkerton RS, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):656–61
Recruitment of public psychiatrists: the impact of university and state collaboration on FMGs in Maryland. Weintraub W, et al. **Hosp Community Psychiatry** 1986 Oct; 37(10):1017–21
Substance misuse training in nursing, psychiatry, and social work. Schlesinger SE, et al. **Int J Addict** 1986 Apr–May; 21(4–5):595–604

Patient generated dysphoria in psychiatric residents. Herzog DB, et al. **Int J Psychiatry Med** 1986-87;16(4):395-400
Psychiatry clerkships at U.S. medical schools. Abrams HL, et al. **J Med Educ** 1987 Jan;62(1):55-7
Family practice residents' evaluation of a competency-based psychiatry curriculum. Gaskins SE, et al. **J Med Educ** 1987 Jan;62(1):41-6
A comparison of subjective and objective measures of performance in a psychiatry clerkship. Musher JS, et al. **J Med Educ** 1987 Mar;62(3):185-7
Residency directors' perceptions of gender-related differences in the performance of psychiatric residents. Roback HB, et al. **J Med Educ** 1987 Sep;62(9):767-9
Attitudes of men and women medical students to psychiatry. Alexander DA, et al. **Med Educ** 1986 Sep;20(5):449-55
Students' attitudes towards psychiatry. Creed F, et al. **Med Educ** 1987 May;21(3):227-34
Improving the psychiatric skills of established general practitioners: evaluation of group teaching. Gask L, et al. **Med Educ** 1987 Jul;21(4):362-8
Experience in use of audio-visual examinations in psychiatry for final M.B. Ch.B. McWilliam C, et al. **Med Teach** 1986; 8(4):373-5
The effects of teaching clinical clerks psychotherapy skills in the outpatient department. Frank D, et al. **Proc Annu Conf Res Med Educ** 1984;23:117-23
The teaching of psychotherapy to foreign medical graduate residents in psychiatry. Oliver N, et al. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):223-7
The current status of psychodynamic formulation. Friedman RS, et al. **Psychiatry** 1987 May;50(2):126-41
Review of the 12 years' activity of the International Committee for Prevention and Treatment of Depression. Adams C. **Psychopathology** 1986;19 Suppl 2:62-5
A pilot program for assigned reading by residents in consultation psychiatry. Frankel BL, et al. **Psychosomatics** 1986 Sep;27(9):644-7
Teaching psychotherapy in contemporary psychiatric residency training. Committee on Therapy. Group for the Advancement of Psychiatry. **Rep Group Adv Psychiatry** 1987;(120):1-56
Textbook credits bruise psychiatrists' egos [news] Marshall E. **Science** 1987 Feb 20;235(4791):835-6
[The status of psychotherapy in the curricula of psychiatry I courses in Eastern Denmark 1986] Møller-Madsen S. **Ugeskr Laeger** 1987 Apr 27;149(18):1230-2 (Eng. Abstr.) **(Dan)**
[Teaching psychopathology using the AMDP system in postgraduate education] Mombour W. **Acta Psychiatr Belg** 1987 Mar-Apr;87(2):159-64 (Eng. Abstr.) **(Fre)**
[Do we need a "physician for psychiatry and psychotherapy?"] Hoffmann SO. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):219-22 (Eng. Abstr.) **(Ger)**
[Role of institutes for advanced training in raising physician competence in narcology] Simbirtsev SA, et al. **Sov Zdravookhr** 1987;(2):40-4 (Eng. Abstr.) **(Rus)**
[International cooperation in the development of the psychiatrist] Alarcón RD, et al. **Bol Of Sanit Panam** 1986 Dec;101(6):611-24 (Eng. Abstr.) **(Spa)**

HISTORY

Pierre Janet on obsessive-compulsive disorder (1903). Review and commentary. Pitman RK. **Arch Gen Psychiatry** 1987 Mar;44(3):226-32
The Fielding H. Garrison lecture. Psychiatry and social activism: the politics of a specialty in postwar America. Grob GN. **Bull Hist Med** 1986 Winter;60(4):477-501
Psychiatry and medicine. By Karl Menninger, M.D. Bulletin of the Menninger Clinic, 1936. **Bull Menninger Clin** 1986 Sep;50(5):419-27
Consultation-liaison psychiatry: the first half century. Lipowski ZJ. **Gen Hosp Psychiatry** 1986 Sep;8(5):305-15
Inpatient diagnoses during Adolf Meyer's tenure as director of the Henry Phipps Psychiatric Clinic, 1913-1940. Stephens JH, et al. **J Nerv Ment Dis** 1986 Dec; 174(12):747-53
Psychological medicine redivivus: concept and communication. Shepherd M. **J R Soc Med** 1986 Nov; 79(11):639-45
Janet Frame: contributions to psychiatry. Bragan K. **NZ Med J** 1987 Feb 11;100(817):70-3
History of the Committee of Psychiatry and Foreign Affairs. Rogers RR. **Psychiatr J Univ Ottawa** 1986 Dec; 11(4):188-92
Desperate remedies: a Gothic tale of madness and modern medicine. Scull A. **Psychol Med** 1987 Aug;17(3):561-77 (54 ref.)
The explicitly stated rationale for the involuntary commitment of the mentally ill given by the nineteenth-century German-speaking psychiatrists. Windholz G. **Psychol Med** 1987 May;17(2):291-5
A century of psychiatry. Koelbing HM. **Psychopathology** 1986;19 Suppl 2:1-5
[Centenary of the first Czech Psychiatric Clinic at Charles University in Prague] Mečíř J. **Cesk Psychiatr** 1987 Feb; 83(1):1-3 **(Cze)**
[Notes on the founding of the independent Czech Charles University and the Czech Psychiatric Clinic] Vencovský E. **Cesk Psychiatr** 1987 Feb;83(1):4-7 (Eng. Abstr.) **(Cze)**
[Frederik van Eeden as psychiatrist] Rümke HC. **Ned Tijdschr Geneeskd** 1986 Sep 27;130(39):1732-4 **(Dut)**
[The fate of the Szondi Test in France. "History, critical testing, validity"] Larome A, et al. **Ann Med Psychol (Paris)** 1986 Sep-Oct;144(8):869-76 **(Fre)**
[Physician-patient relations in the light of medical and psychiatric development] Ors Y. **Clio Med** 1983; 18(1-4):101-11 (Eng. Abstr.) **(Fre)**
[Education and continuing education in psychiatry in the 19th century] Otto KR. **Z Gesamte Hyg** 1987 Apr;33(4):220-2 (Eng. Abstr.) **(Ger)**
[Antipsychiatry and "antimedicine" of Italian Brownism. Possible analogy between 2 scientific-cultural "revolutions"] Tatarelli R, et al. **Minerva Psichiatr** 1986 Jul-Sep; 27(3):273-81 (Eng. Abstr.) **(Ita)**
[Cicero on depression and other psychiatric aspects] Grecu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr-Jun; 32(2):149-54 **(Rum)**
[Materials concerning the history of the organization of psychiatric services and the development of scientific-psychiatric thought in Odessa (1833-1927)] Mosketi KV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):442-7 (Eng. Abstr.) **(Rus)**
[Psychiatric aspects of the activity of physicians in medical societies of the non-zemstvo districts of Russia] Roitel'man AG. **Zh Nevropatol Psikhiatr** 1986;86(8):1237-42 **(Rus)**

MANPOWER

Are we training too many psychiatrists? Yager J, et al. **Am J Psychiatry** 1987 Aug;144(8):1042-8
The need for redistribution of training posts in psychiatry [letter] Marvin CM. **Br Med J** 1987 Jan 31;294(6567):310
Is there a shortage of psychiatrists? An economist's view of the evidence. Frank RG. **Community Ment Health J** 1983 Spring;19(1):42-61
Psychiatric manpower and services in a community mental health system. Faulkner LR, et al. **Hosp Community Psychiatry** 1987 Mar;38(3):287-91

METHODS

What you should know about physical evaluations in psychiatric patients. Results of a survey. Krummel S, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):275-9
The logistic regression analysis of psychiatric data. Fleiss JL, et al. **J Psychiatr Res** 1986;20(3):195-209
[Methodology and epistemology of clinical diagnosis; specific aspects of psychiatric diagnosis] Ionescu G. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan-Mar;32(1):9-24 (Eng. Abstr.) **(Rum)**

STANDARDS

More on psychiatrist-patient sexual contact [letter] **Am J Psychiatry** 1987 May;144(5):688-9
Psychiatrist-patient sexual contact [letter] Kavoussi RJ, et al. **Am J Psychiatry** 1987 Sep;144(9):1249-50
Psychiatrist-patient sexual contact [letter] Levenson JL. **Am J Psychiatry** 1987 Apr;144(4):529-30
Duty to protect [letter] Raskin DE. **Am J Psychiatry** 1987 Aug;144(8):1107-8
Regional Review Boards of Ontario: a medico-legal review. Chandrasena R, et al. **Can J Psychiatry** 1986 Oct; 31(7):643-8
Treating the condemned to death. Sargent DA. **Hastings Cent Rep** 1986 Dec;16(6):5-6
Standards of proof for ethics committees of professional organizations. Borenstein DB. **Hosp Community Psychiatry** 1987 Jul;38(7):711-2, 717
[Data processing and evaluation of therapies] Bocksberger JP. **Rev Med Suisse Romande** 1986 Dec;106(12):1149-54 **(Fre)**

TRENDS

The future of psychiatry. Detre T. **Am J Psychiatry** 1987 May;144(5):621-5
Architecture of research in psychiatry, 1953 to 1983. Reich J, et al. **Arch Gen Psychiatry** 1987 Apr;44(4):311-3
General hospital psychiatry in China [letter] Drew LR. **Aust NZ J Psychiatry** 1987 Mar;21(1):112-3
Potential for psychiatric leadership in health care. Eisen P. **Aust NZ J Psychiatry** 1986 Jun;20(2):107-11
Research by regional psychiatrists, 1978-84. Parker G. **Aust NZ J Psychiatry** 1986 Dec;20(4):471-85
'In the beginning was the Word...' [letter] Watson IP. **Aust NZ J Psychiatry** 1986 Jun;20(2):246-7
Reflections on the specificity of psychiatry. Grunberg F. **Can J Psychiatry** 1986 Dec;31(9):799-805
Paradigmatic shifts: social responsibility and psychiatry [letter] Hay W. **Can J Psychiatry** 1986 Nov;31(8):791-2
Future of psychiatry [letter] Holland R. **Can J Psychiatry** 1986 Nov;31(8):790-1
Depression: the evolution of modern paradigms and concepts. Lehmann HE. **Clin Neuropharmacol** 1986;9 Suppl 4:77-9
Seasonal affective disorder & light: past, present and future. Rosenthal NE, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:193-5
Psychiatry before the year 2000: the long view. Ginzberg E. **Hosp Community Psychiatry** 1987 Jul;38(7):725-8
The remedicalization of psychiatry. Pasnau RO. **Hosp Community Psychiatry** 1987 Feb;38(2):145-51
Trends in psychiatry: a decade of the American Journal of Psychiatry. Freinhar JP, et al. **Int J Psychosom** 1986; 33(3):23-5
Response to Melvin Sabshin's commentary on psychoanalysis and psychiatry [letter] Orgel S. **J Am Psychoanal Assoc** 1985;33(4):967-72
On some decisive influences in the development of Latin American psychiatry. Jobe TH, et al. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):193-8
Why the future belongs to psychiatry. Havens LL. **Psychother Psychosom** 1986;45(1):14-22
The Italian psychiatric reform: some quantitative evidence. Tansella M, et al. **Soc Psychiatry** 1987;22(1):37-48
[The moral crisis of dehumanization and psychiatry] Baruk H. **Ann Med Psychol (Paris)** 1986 Dec;144(10):1021-8 (Eng. Abstr.) **(Fre)**
[The dangers of clinical regression in psychiatry] Baruk P. **Ann Med Psychol (Paris)** 1986 Sep-Oct;144(8):850-9 **(Fre)**
["Continuity". Progress of a team in today's psychiatry] Quartier F. **Ann Med Psychol (Paris)** 1986 Nov; 144(9):931-40 (Eng. Abstr.) **(Fre)**
[Crisis: a concept the psychiatry of today can't do without] Andreoli A. **Rev Med Suisse Romande** 1986 Dec; 106(12):1109-14 **(Fre)**
[Basic role and new trends of descriptive epidemiology in mental health] Jenicek M. **Union Med Can** 1986 Sep; 115(9):618-26 (Eng. Abstr.) **(Fre)**
[Does psychiatry understand the psychiatric patient?] Degkwitz R. **Med Klin** 1987 Jun 5;82(12-13):456-9 **(Ger)**
[Italian psychiatry: a visit to Lombardy] Ernst K, et al. **Nervenarzt** 1986 Sep;57(9):494-501 **(Ger)**
[Sense and nonsense in the social psychiatry concept] Weise K. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Dec; 38(12):689-93 (Eng. Abstr.) **(Ger)**
[Approach to new paradigms or a return of established methods? On the development of psychiatric research] Heinrich K. **Psychother Psychosom Med Psychol** 1987 Feb; 37(2):37-43 (Eng. Abstr.) **(Ger)**
[Psychiatry as a part of total medicine] Heim E. **Schweiz Arch Neurol Psychiatr** 1986;137(5):9-13 **(Ger)**
[Psychiatry in transition] Pöldinger W. **Schweiz Rundsch Med Prax** 1987 Jun 9;76(24):687-98 (Eng. Abstr.) **(Ger)**
[Psychiatry between yesterday and tomorrow] Schipperges H. **Wien Klin Wochenschr** 1986 Oct 10;98(19):630-5 **(Ger)**
[Trends in modern psychiatry with introductory history. Which are the central problems? How does the development progress?] Kringlen E. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):385-7 **(Nor)**
[Status and prospects of the development of mental health sciences and the science of mental disorders] Pużyński S. **Przegl Lek** 1986;43(10):666-75 **(Pol)**
[Psychiatry in the 21st century] Sartorius N. **An R Acad Nac Med (Madr)** 1986;103(4):539-52 **(Spa)**

PSYCHIATRY, BIOLOGICAL see **BIOLOGICAL PSYCHIATRY**

PSYCHIATRY, COMMUNITY see **COMMUNITY PSYCHIATRY**

PSYCHIATRY, GERIATRIC see **GERIATRIC PSYCHIATRY**

PSYCHIATRY, MILITARY see **MILITARY PSYCHIATRY**

PSYCHIC ENERGIZERS see **ANTIDEPRESSIVE AGENTS**

PSYCHICAL RESEARCH see **PARAPSYCHOLOGY**

PSYCHOACOUSTICS

Psychoacoustical and audiometric prediction of auditory disability for different frequency responses at listener-adjusted presentation levels. Haggard MP, et al. **Audiology** 1986;25(4-5):277-98
Speculations on the role of frequency in sound localization. Fuzessery ZM. **Brain Behav Evol** 1986;28(1-3):95-108 (40 ref.)
Different analysis of frequency and amplitude modulations of a continuous tone in the human auditory cortex: a neuromagnetic study. Mäkelä JP, et al. **Hear Res** 1987; 27(3):257-64
An acoustic holding environment: from the analysis of a 'transitional character'. Schiffer I. **Int J Psychoanal** 1984; 65 (Pt 3):341-51
Temporal effects in masking and their influence on psychophysical tuning curves. Bacon SP, et al. **J Acoust Soc Am** 1986 Dec;80(6):1638-45
Pitch identification of simultaneous dichotic two-tone complexes. Beerends JG, et al. **J Acoust Soc Am** 1986 Oct; 80(4):1048-56
Decision rules in detection of simple and complex tones. Buus S, et al. **J Acoust Soc Am** 1986 Dec;80(6):1646-57
Detection and intensity discrimination of a sinusoid. Hanna TE, et al. **J Acoust Soc Am** 1986 Nov;80(5):1335-40
On the relation between the growth of loudness and the discrimination of intensity for pure tones. Hellman R, et

al. **J Acoust Soc Am** 1987 Aug;82(2):448–53
Extension of a binaural cross-correlation model by contralateral inhibition. I. Simulation of lateralization for stationary signals. Lindemann W. **J Acoust Soc Am** 1986 Dec;80(6):1608–22
Extension of a binaural cross-correlation model by contralateral inhibition. II. The law of the first wave front. Lindemann W. **J Acoust Soc Am** 1986 Dec;80(6):1623–30
Comodulation masking release: effects of varying the level, duration, and time delay of the cue band. McFadden D. **J Acoust Soc Am** 1986 Dec;80(6):1658–67
Effects of auditory fatigue on psychophysical estimates of cochlear nonlinearities. Norton SJ, et al. **J Acoust Soc Am** 1987 Jul;82(1):80–7
Derivation of primary parameters and procedures for use in speech intelligibility predictions. Pavlovic CV. **J Acoust Soc Am** 1987 Aug;82(2):413–22
Auditory duration discrimination in Old World monkeys (Macaca, Cercopithecus) and humans. Sinnott JM, et al. **J Acoust Soc Am** 1987 Aug;82(2):465–70
Phase effects in masking related to dispersion in the inner ear. Smith BK, et al. **J Acoust Soc Am** 1986 Dec; 80(6):1631–7
Effects of changes in absolute signal level on psychophysical tuning curves in quiet and noise in patas monkeys. Smith DW, et al. **J Acoust Soc Am** 1987 Jul;82(1):63–8
Reaction time and musical expectancy: priming of chords. Bharucha JJ, et al. **J Exp Psychol [Hum Percept]** 1986 Nov; 12(4):403–10
Tinnitus as a source of internal noise. Penner MJ. **J Speech Hear Res** 1986 Sep;29(3):400–6
Masking level difference: an electrophysiological approach. Kevanishvili Z, et al. **Scand Audiol** 1987;16(1):3–11
[Music and hearing] Frei J. **Schweiz Rundsch Med Prax** 1987 Mar 24;76(13):328–31 (Eng. Abstr.) **(Ger)**
[Effect of the loudness of a speech signal on the results of evaluation of the functional asymmetry of the brain] Morozov VP, et al. **Fiziol Cheloveka** 1987 May–Jun; 13(3):502–4 **(Rus)**
[Appreciation of approaching and departing sources of natural acoustic signals] Kozhevnikova EV. **Fiziol Zh SSSR** 1987 Apr;73(4):454–9 (Eng. Abstr.) **(Rus)**

PSYCHOACTIVE AGENTS see **PSYCHOTROPIC DRUGS**

PSYCHOANALYSIS

Psychoanalysis and the "life cycle": an introduction.Brazil HV. **Am J Psychoanal** 1986 Winter;46(4):300–9
The analytic response to the threat of nuclear war. Lotto D. **Am J Psychoanal** 1986 Fall;46(3):191–202
Psychoanalytic identity. Rubin J. **Am J Psychoanal** 1986 Winter;46(4):283–8
Psychoanalytic psychotherapy and its indications. Gomez JR. **J Med Assoc Ga** 1986 Oct;75(10):623–5
Psychoanalysis and analytical psychotherapy in the NHS [letter] Dick BM. **J Med Ethics** 1986 Dec;12(4):215–6
Applied psychiatry. West R. **Med War** 1986 Apr–Jun; 2(2):119–21
Notes on the uses of psychoanalysis for biography. Meyer BC. **Psychoanal Q** 1987 Apr;56(2):287–316
[Psychoanalysis and plastic surgery. An interview with Prof. Pierre Fedida by Dr. Gérard Flageul] Fedida P. **Ann Chir Plast Esthet** 1986;31(4):393–7 **(Fre)**
[34th Congress of the International Psychoanalytic Association. 28 July 1985] **Psyche (Stuttg)** 1986 Oct; 40(10):857–921 **(Ger)**
[Statistics on the contributions of female authors to the journal Psyche] Lohmann HM. **Psyche (Stuttg)** 1986 Dec; 40(12):1135–8 **(Ger)**
[The paradigms of psychology (editorial)] Usandivaras RJ. **Medicina (B Aires)** 1986;46(2):239–42 **(Spa)**

ECONOMICS

Psychoanalytic economics in the coming generation. Goldensohn SS. **J Am Acad Psychoanal** 1986 Oct; 14(4):433–58

EDUCATION

Institutional problems of psychoanalytic education. Kernberg OF. **J Am Psychoanal Assoc** 1986;34(4):799–834

HISTORY

Freud and biology: the hidden legacy. Sulloway FJ. **Acta Psychiatr Belg** 1986;86:760–88
Heinz Kohut's self psychology: an overview. Baker HS, et al. **Am J Psychiatry** 1987 Jan;144(1):1–9
Childhood seduction and the spiritualization of psychology: the case of Jung and Rank. Goldwert M. **Child Abuse Negl** 1986;10(4):555–7
The illusions of law—psychoanalysis and jurisprudence in historical perspective. Sheleff LS. **Int J Law Psychiatry** 1986;9(2):143–58
The thirtieth anniversary of the American Academy of Psychoanalysis: an historical appreciation. Eckardt MH. **J Am Acad Psychoanal** 1987 Jan;15(1):1–7
Sullivan's influence on Sheppard Pratt. Schulz C. **J Am Acad Psychoanal** 1987 Apr;15(2):247–59
A comment on Frank R. Hartman's "A reappraisal of the Emma episode and the specimen dream" [letter]Cohen H. **J Am Psychoanal Assoc** 1987;35(2):525–8
Journal of the American Psychoanalytic Association: a retrospective (1953–1972). Frosch J. **J Am Psychoanal Assoc** 1987;35(2):303–36
Working through: 1914–1984. Brenner C. **Psychoanal Q** 1987 Jan;56(1):88–108
Child analysis, 1947–1984. A retrospective. Harley M. **Psychoanal Study Child** 1986;41:129–53
Contributions to the history of psychology: XLIII. A tribute to Princess Marie Bonaparte. Jackson DJ. **Psychol Rep** 1987 Jun;60(3 Pt 2):1231–40
[Brief analytic psychotherapies. I. Historical and conceptual foundations] Petit P. **Ann Med Psychol (Paris)** 1986 May; 144(5):473–81 (Eng. Abstr.) **(Fre)**
[Psychoanalysis in films 1925/26 (Berlin/Vienna)] Eppensteiner B, et al. **Psyche (Stuttg)** 1987 Feb;41(2):129–39 (Eng. Abstr.) **(Ger)**
[Some hitherto unknown writings by Sigmund Freud 1893/94 and their significance in his scientific development] Kästle OU. **Psyche (Stuttg)** 1987 Jun;41(6):508–28 (Eng. Abstr.) **(Ger)**
[Discovery of intention in chance. On an early step in the development of the psychoanalytic method] Reicheneder JG. **Psyche (Stuttg)** 1987 Apr;41(4):307–30 (Eng. Abstr.) **(Ger)**
[Introductory speech of the 34th Congress of the International Psychoanalytic Society 28 July 1985] Von Dohnanyi K. **Psyche (Stuttg)** 1986 Oct;40(10):860–3 **(Ger)**
[The Tegel castle sanitarium of Ernst Simmel—on the history and development of the first psychoanalytic clinic] Schultz U, et al. **Psychother Psychosom Med Psychol** 1987 Feb; 37(2):58–67 (Eng. Abstr.) **(Ger)**
["The overcoming of political parties by the youth"—an early political essay by Harald Schultz-Hencke] Köpp W. **Z Psychosom Med Psychoanal** 1987;33(2):155–61 (Eng. Abstr.) **(Ger)**

STANDARDS

Comment on the review of The Foundations of Psychoanalysis [letter] Gorman JM. **Am J Psychiatry** 1987 Feb;144(2):256–7

TRENDS

The changing culture of psychoanalysis. Cooper AM. **J Am Acad Psychoanal** 1987 Jul;15(3):283–91
Notes on psychoanalysis by a participant observer: a personal chronicle. Brenner C. **J Am Psychoanal Assoc** 1987; 35(3):539–56
Psychoanalysis: is the therapy destroying the science? Holzman PS. **J Am Psychoanal Assoc** 1985;33(4):725–70
Thoughts on meeting in Germany [letter] Kafka JS. **J Am Psychoanal Assoc** 1985;33(4):972–4
Response to Melvin Sabshin's commentary on psychoanalysis and psychiatry [letter] Orgel S. **J Am Psychoanal Assoc** 1985;33(4):967–72
Psychoanalysis in the arena: how Freud fares in the Science Times. Benton RJ. **Psychoanal Rev** 1987 Summer; 74(2):293–305
Psychoanalysis and psychology. Fine R. **Psychol Rep** 1986 Oct;59(2 Pt 2):695–708
[An entirely normal meeting? Remarks on the Hamburg congress] Becker S. **Psyche (Stuttg)** 1986 Oct;40(10):864–7 **(Ger)**
[Response to the mayor of Hamburg] Bergeret J. **Psyche (Stuttg)** 1986 Oct;40(10):867–70 **(Ger)**
[Staying on track. The psychoanalytic movement and the distress of the psychoanalytic institution] Cremerius J. **Psyche (Stuttg)** 1986 Dec;40(12):1063–91 (Eng. Abstr.) **(Ger)**
[Siegfried Bernfeld's Freud studies] Dahmer H. **Psyche (Stuttg)** 1986 Dec;40(12):1109–29 (Eng. Abstr.) **(Ger)**
[Demise of an institution] Erdheim M. **Psyche (Stuttg)** 1986 Dec;40(12):1092–104 (Eng. Abstr.) **(Ger)**
[The Hamburg congress was a beginning, not a festival of forgiveness] Keilson H. **Psyche (Stuttg)** 1986 Oct; 40(10):877–81 **(Ger)**
[Followers of Freud meet in Germany] Kurzweil E. **Psyche (Stuttg)** 1986 Oct;40(10):909–21 **(Ger)**
[Psychoanalytic and cultural change] Marcus S. **Psyche (Stuttg)** 1987 Feb;41(2):97–128 (Eng. Abstr.) **(Ger)**
[The psychoanalyst without face or history—psychoanalysis without face or history] Speier S. **Psyche (Stuttg)** 1987 Jun; 41(6):481–91 (Eng. Abstr.) **(Ger)**
[Why don't the Germans speak?] Vogt R. **Psyche (Stuttg)** 1986 Oct;40(10):896–902 **(Ger)**
["And nobody listens to them, when Germans talk about psychoanalysis"]Vogt-Heyder B. **Psyche (Stuttg)** 1986 Oct; 40(10):890–6 **(Ger)**
[Crisis of contemporary psychoanalysis in the USA and in France (review of the literature)] Zachepitskil RA. **Zh Nevropatol Psikhiatr** 1986;86(12):1868–70 (20 ref.) **(Rus)**

PSYCHOANALYTIC INTERPRETATION

Adolescent film preferences: the world of Purple Rain; a psychodynamic interpretation. Villela L, et al. **Adolesc Psychiatry** 1987;14:119–32
Staff resistance to interpretive psychotherapy in the in-patient community meeting. Winer JA, et al. **Br J Med Psychol** 1987 Mar;60 (Pt 1):39–44
Ruth—an ancient message for contemporary women. Chance S. **Bull Menninger Clin** 1987 Jul;51(4):373–82
Psychoanalysis as a liberation movement. Freud and Rank defend Groddeck's Seeker of Souls against accusations of pornography. Pruyser PW. **Bull Menninger Clin** 1986 Sep; 50(5):428–39
Toward the separation of memory and hope: applications of psychoanalysis to art in the writings of Martha Wolfenstein. Spitz EH. **Hillside J Clin Psychiatry** 1984; 6(1):91–104
Structures in interpretations: a group psychoanalytic perspective. Debbane EG, et al. **Int J Group Psychother** 1986 Oct;36(4):517–32
Dream interpretation in group psychotherapy: an Indian experience. Narayanan HS, et al. **Int J Group Psychother** 1986 Oct;36(4):587–93
Some considerations arising from the treatment of a patient with necrophilic fantasies in late adolescence and young adulthood. Baker R. **Int J Psychoanal** 1984;65 (Pt 3):283–94
On envy and how to interpret it. Etchegoyen RH, et al. **Int J Psychoanal** 1987;68 (Pt 1):49–61
The use of a mistress and the internalized sexual mother. Layland WR. **Int J Psychoanal** 1984;65 (Pt 3):323–30
Choice as the basis for mentation. A dialectic approach to mental development. Linnell ZM. **Int J Psychoanal** 1984; 65 (Pt 3):353–64
Choice as the basis for mentation [letter] Robbins MD. **Int J Psychoanal** 1984;65 (Pt 3):365–6
An acoustic holding environment: from the analysis of a 'transitional character'. Schiffer I. **Int J Psychoanal** 1984; 65 (Pt 3):341–51
Varieties of transference interpretations: an object-relations view. Stewart H. **Int J Psychoanal** 1987;68 (Pt 2):197–205
An explanation of superego functioning in the development of a Bourgeois revolutionary: a review of La Vita Interiore. Abel TM, et al. **J Am Acad Psychoanal** 1986 Oct; 14(4):557–67
Virginia Woolf and Leslie Stephen: a father's contribution to psychosis and genius. Bond AH. **J Am Acad Psychoanal** 1986 Oct;14(4):507–24
Dreams of the rarebit fiend: neuromedical synthesis of unconscious meaning. Forrest DV. **J Am Acad Psychoanal** 1987 Jul;15(3):331–63
Some psychoanalytic thoughts about King Lear, Dante, and Don Quixote. Gomez EA. **J Am Acad Psychoanal** 1986 Oct;14(4):545–56
On the importance of wearing two hats: dream researcher and psychoanalyst. Greenberg R. **J Am Acad Psychoanal** 1987 Jul;15(3):321–30
The genesis of interpretation. Arlow JA. **J Am Psychoanal Assoc** 1979;27 Suppl:193–206
The common mirror dream, dreamer, and the dream mirror. Coen SJ, et al. **J Am Psychoanal Assoc** 1985;33(4):797–820
Changes in psychoanalytic ideas: transference interpretation. Cooper AM. **J Am Psychoanal Assoc** 1987;35(1):77–98
Transference neurosis as a waking dream: notes on a clinical enigma. Kern JW. **J Am Psychoanal Assoc** 1987; 35(2):337–66
The manifest dream in psychoanalysis: a clarification. Pulver SE. **J Am Psychoanal Assoc** 1987;35(1):99–118
Rules of clinical understanding in classical psychoanalysis and in self psychology: a comparison. Reed GS. **J Am Psychoanal Assoc** 1987;35(2):421–46
To be or not to be: a study of ambivalence. Peterson C. **J Anal Psychol** 1987 Apr;32(2):79–92
How do interpretations influence the process of psychotherapy? Silberschatz G, et al. **J Consult Clin Psychol** 1986 Oct;54(5):646–52
Self-psychology and dreams: the merging of different perspectives. Greenberg R. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):98–102
Dream and metaphor. Jones RM. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):87–92
Dream work and the general public. Ullman M. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):103–8
The dynamics of interpretation. Arlow JA. **Psychoanal Q** 1987 Jan;56(1):68–87
Keats's oral imagination: "'Tis not through envy". Fitzpatrick-Hanly MA. **Psychoanal Q** 1986 Oct; 55(4):618–39
Reflections on the self state dream. Slap JW, et al. **Psychoanal Q** 1987 Apr;56(2):251–62
From the analysis of an obsessive hummer: theoretical and clinical implications. Juni S. **Psychoanal Rev** 1987 Spring; 74(1):63–81
Addressing the oedipal dilemma in Macbeth. Krohn J. **Psychoanal Rev** 1986 Fall;73(3):333–47
A personal myth—Yukio Mishima: the Samurai Narcissus. McPherson DE. **Psychoanal Rev** 1986 Fall;73(3):361–79
Mother and child. A psychobiographical portrait of Mary Cassatt. Zerbe KJ. **Psychoanal Rev** 1987 Spring;74(1):45–61
Psychoanalytic studies and Macbeth. Shared fantasy and reciprocal identification. Blum HP. **Psychoanal Study Child** 1986;41:585–99
Nursery rhymes. A developmental perspective. DeSantis VP. **Psychoanal Study Child** 1986;41:601–26
[Effect of psychoanalysis on German literature] Cremerius J. **Psyche (Stuttg)** 1987 Jan;41(1):39–54 (Eng. Abstr.) **(Ger)**

[Compensatory structures in Rilke's poetry] Dettmering P. **Psyche (Stuttg)** 1987 Jun;41(6):539–35 (Eng. Abstr.) **(Ger)**

[Toward Italy! Youth and maturation in "Taugenichts"] Hummel C. **Psyche (Stuttg)** 1987 Feb;41(2):148–72 (Eng. Abstr.) **(Ger)**

[Freudian teachings and philosophical interpretations of Freud—an essay on Paul Recoeur] Welsen P. **Psyche (Stuttg)** 1987 Aug;41(8):699–716 (Eng. Abstr.) **(Ger)**

["Hansel and Gretel, my favorite fairy tale"] Bettelheim B. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):1–9 (Eng. Abstr.) **(Ger)**

[Pathological defense mechanisms of the personality: their classification and interpretation] Jarosz M. **Psychiatr Pol** 1986 Nov–Dec;20(6):454–60 (Eng. Abstr.) **(Pol)**

[Narcissistic personality disorders (analysis of clinical aspects)] Pospiszyl K. **Psychiatr Pol** 1986 Jul–Aug; 20(4):302–11 (10 ref.) **(Pol)**

PSYCHOANALYTIC THEORY

Models for the experimental analysis of depression. Richardson JS, et al. **Acta Psychiatr Belg** 1986;86:733–47

Jungian feminine psychology and adolescent prostitutes. Newton–Ruddy L, et al. **Adolescence** 1986 Winter; 21(84):815–25

Toward a Jungian theory of hypnosis. Hall JA. **Am J Clin Hypn** 1986 Oct;29(2):109–15

Theoretical and clinical shifts in psychoanalysis. Eagle M. **Am J Orthopsychiatry** 1987 Apr;57(2):175–85

A method for establishing reliability of statements from psychodynamic case formulations. Rosenberg SE, et al. **Am J Psychiatry** 1986 Nov;143(11):1454–6

Application of Horney theory in the treatment of a traumatized child. Brown M. **Am J Psychoanal** 1987 Spring; 47(1):3–20

Some contributions of Horneyan theory to enhancement of the type A behavior construct. Hamon SA. **Am J Psychoanal** 1987 Summer;47(2):105–15

Love and authenticity. Heuscher JE. **Am J Psychoanal** 1987 Spring;47(1):21–34

Sexual disorders: a perspective. Hirsch I. **Am J Psychoanal** 1986 Fall;46(3):239–48

Attitudes toward disability: Horney's theory applied. Jabin N. **Am J Psychoanal** 1987 Summer;47(2):143–53

Lacan and post-structuralism. Marta J. **Am J Psychoanal** 1987 Spring;47(1):51–7

Understanding social roles from a Horneyan perspective. Rendon D. **Am J Psychoanal** 1987 Summer;47(2):131–42

An application of the interpersonal models developed by Karen Horney and Timothy Leary to type A–B behavior patterns. Roemer WW. **Am J Psychoanal** 1987 Summer; 47(2):116–30

Leary's circle matrix: a comprehensive model for the statistical measurement of Horney's clinical concepts. Roemer WW. **Am J Psychoanal** 1986 Fall;46(3):249–62

Current psychoanalytic theory and practice: can there be any one valid unitary approach? Rotenberg CT. **Am J Psychoanal** 1987 Spring;47(1):41–50

Lillian Heilman: the uses of rage. Schneiderman L. **Am J Psychoanal** 1987 Spring;47(1):72–92

Pessimistic mood in narcissistic decompensation. Svrakić DM. **Am J Psychoanal** 1987 Spring;47(1):58–71

Clinical approach to the grandiose self. Svrakić DM. **Am J Psychoanal** 1987 Summer;47(2):167–79

Horneyan and Kohutian theories of psychic trauma: a self–psychological reexamination of the work of Harold Kelman. Ulman RB. **Am J Psychoanal** 1987 Summer; 47(2):154–60

Research in Horney's psychoanalytic theory. van den Daele L. **Am J Psychoanal** 1987 Summer;47(2):99–104

Constructivist view of meditation. DelMonte M. **Am J Psychother** 1987 Apr;41(2):286–98

Toward a definition of 'childhood mourning'. Sekaer C. **Am J Psychother** 1987 Apr;41(2):201–19

Why Freud failed. Some implications for neurophysiology and sociobiology. Parisi T. **Am Psychol** 1987 Mar; 42(3):235–45

Structure and defense in the therapy of Little Hans. Fineberg BL. **Bull Menninger Clin** 1986 Sep;50(5):440–6

Psychoanalysis as a liberation movement. Freud and Rank defend Groddeck's Seeker of Souls against accusations of pornography. Pruyser PW. **Bull Menninger Clin** 1986 Sep; 50(5):428–39

Diagnosis of schizophrenia: return to Schreber. Rossi R. **Compr Psychiatry** 1987 May–Jun;28(3):270–5

Toward the separation of memory and hope: applications of psychoanalysis to art in the writings of Martha Wolfenstein. Spitz EH. **Hillside J Clin Psychiatry** 1984; 6(1):91–104

The active and passive fantasy of rape as a specific determinant in a case of acrophobia. Adams–Silvan A. **Int J Psychoanal** 1986;67 (Pt 4):467–73

Non-verbal behaviour and body organ fantasies. Their relation to body image formation and symptomatology. Anthi PR. **Int J Psychoanal** 1986;67 (Pt 4):417–28

Some alterations of the ego which make analyses interminable. Anzieu D. **Int J Psychoanal** 1987;68 (Pt 1):9–19

British object–relations theorists and self psychology: some critical reflections. Bacal HA. **Int J Psychoanal** 1987;68 (Pt 1):81–98

Analysis terminable and interminable, fifty years on. Berenstein I. **Int J Psychoanal** 1987;68 (Pt 1):21–35

The complete oedipus complex. Blanck G. **Int J Psychoanal** 1984;65 (Pt 3):331–9

Analysis terminable and interminable: a half century retrospective. Blum HP. **Int J Psychoanal** 1987;68 (Pt 1):37–47

The problem of anorexia nervosa. Boris HN. **Int J Psychoanal** 1984;65 (Pt 3):315–22

Pathological jealousy. Coen SJ. **Int J Psychoanal** 1987;68 (Pt 1):99–108

Effects of oedipal triumph caused by collapse or death of the rival parent. Gill HS. **Int J Psychoanal** 1987;68 (Pt 2):251–60

Defence mechanisms versus defence contents. Gillett E. **Int J Psychoanal** 1987;68 (Pt 2):261–9

Smoking, coughing, laughing and applause: a comparative study of respiratory symbolism. Grotjahn M. **Int J Psychoanal** 1972;53 (Pt 3):345–9

Positive projective identification. Hamilton NG. **Int J Psychoanal** 1986;67 (Pt 4):489–96

Some conceptual and technical aspects of the actual neurosis. Kaplan DM. **Int J Psychoanal** 1984;65 (Pt 3):295–305

Fetishism revisited. Kohon G. **Int J Psychoanal** 1987;68 (Pt 2):213–28

Some aspects of the interaction between mother and impaired child: mother's narcissistic trauma. Lax RF. **Int J Psychoanal** 1972;53 (Pt 3):339–44

The ego and the self in the thought of Sigmund Freud. McIntosh D. **Int J Psychoanal** 1986;67 (Pt 4):429–48

On the first three subphases of the separation–individuation process. Mahler MS. **Int J Psychoanal** 1972;53 (Pt 3):333–8

On the problem of the id in psychoanalytic theory. Shulman ME. **Int J Psychoanal** 1987;68 (Pt 2):161–73

On psychoanalysis and neuroscience: Freud's attitude to the localizationist tradition. Solms M, et al. **Int J Psychoanal** 1986;67 (Pt 4):397–416

On the early formation of the mind. I: Differentiation. Tähkä V. **Int J Psychoanal** 1987;68 (Pt 2):229–50

Body schema and identity. Torras de Beà E. **Int J Psychoanal** 1987;68 (Pt 2):175–84

Psychoanalytic theory of psychosomatic patients. Lowental U. **Isr J Psychiatry Relat Sci** 1986;23(2):139–46

Virginia Woolf and Leslie Stephen: a father's contribution to psychosis and genius. Bond AH. **J Am Acad Psychoanal** 1986 Oct;14(4):507–24

Language in intimacy and isolation: transitional dilemma, transformational resolution. Caruth EG. **J Am Acad Psychoanal** 1987 Jan;15(1):39–49

Observations on maternal protective behavior derived from unconscious phenomena. Epstein AW. **J Am Acad Psychoanal** 1987 Jul;15(3):407–14

Seeking enlightenment in the east: self–fulfillment or regressive longing? Fauteux K. **J Am Acad Psychoanal** 1987 Apr;15(2):223–46

The spiritual as a creative force in the person. Knight JA. **J Am Acad Psychoanal** 1987 Jul;15(3):365–82

The meaning of projection in self psychology. Magid B. **J Am Acad Psychoanal** 1986 Oct;14(4):473–83

Mockery through caricature: a variant of introjection utilized by a masochistic woman. Procci WR. **J Am Acad Psychoanal** 1987 Jan;15(1):51–66

Philosophical paradigms in psychoanalysis. Rendon M. **J Am Acad Psychoanal** 1986 Oct;14(4):495–505

A systems theoretical approach to the understanding of emotions. Rogawski AS. **J Am Acad Psychoanal** 1987 Apr; 15(2):133–51

Implications of the behavioral sex therapies for psychoanalytic theory and practice: intrapsychic sequelae of symptom removal in the patient and spouse. Segraves RT. **J Am Acad Psychoanal** 1986 Oct;14(4):485–93

Amae as metalanguage: a critique of Doi's theory of amae. Taketomo Y. **J Am Acad Psychoanal** 1986 Oct;14(4):525–44

Toward the further understanding of homosexual women. Panel report. **J Am Psychoanal Assoc** 1987;35(1):165–73

Notes on psychoanalysis by a participant observer: a personal chronicle. Brenner C. **J Am Psychoanal Assoc** 1987; 35(3):539–56

Determinants of object choice in adulthood: a test case of object–relations theory. Buckley P. **J Am Psychoanal Assoc** 1985;33(4):841–60

Objects and attitudes. Compton A. **J Am Psychoanal Assoc** 1987;35(3):609–28

Freud: objects and structure. Compton A. **J Am Psychoanal Assoc** 1986;34(3):561–90

Oedipal and preoedipal phenomena: some thoughts on their interrelation as manifest in adult analytic reconstructions. Davidoff–Hirsch H. **J Am Psychoanal Assoc** 1985; 33(4):821–40

Imposture, inauthenticity, and feeling fraudulent. Gediman HK. **J Am Psychoanal Assoc** 1985;33(4):911–35

Freud, Dora, and the maid: a study of countertransference. Glenn J. **J Am Psychoanal Assoc** 1986;34(3):591–606

Robert Waelder and the application of psychoanalytic principles to social and political phenomena. Guttman SA. **J Am Psychoanal Assoc** 1986;34(4):835–62

The revival of "Dora": advances in psychoanalytic theory and technique. Jennings JL. **J Am Psychoanal Assoc** 1986; 34(3):607–35

The consciousness of being conscious. Joseph ED. **J Am Psychoanal Assoc** 1987;35(1):5–22

Some implications of object relations theory for psychoanalytic technique. Kernberg OF. **J Am Psychoanal Assoc** 1979;27 Suppl:207–39

The technical significance and application of Mahler's separation–individuation theory. Kramer S. **J Am Psychoanal Assoc** 1979;27 Suppl:241–62

Identity formation as reflected in the acquisition of person pronouns. Sharpless EA. **J Am Psychoanal Assoc** 1985; 33(4):861–85

Implications for the structural model of Freud's assumptions about perception. Slap JW. **J Am Psychoanal Assoc** 1987; 35(3):629–45

Cognitive aspects of splitting and libidinal object constancy: a reconsideration and reappraisal [letter] Steingart I. **J Am Psychoanal Assoc** 1985;33(4):974–81

The microstructure of free association. Teller V, et al. **J Am Psychoanal Assoc** 1986;34(4):763–98

The place and value of bestophilia in perversions. Traub–Werner D. **J Am Psychoanal Assoc** 1986; 34(4):975–92

The princess in the tower: Zelda Fitzgerald's creative impasse. Waites EA. **J Am Psychoanal Assoc** 1986; 34(3):637–62

Childhood amnesia: a conceptualization in cognitive–psychological terms. Wetzler SE, et al. **J Am Psychoanal Assoc** 1986;34(3):663–85

Symbolic transformations in traditional healing rituals: perspectives from analytical psychology. Koss JD. **J Anal Psychol** 1986 Oct;31(4):341–55

Evidence of collective memory: a test of Sheldrake's theory. Mahlberg A. **J Anal Psychol** 1987 Jan;32(1):23–34

Experiments in appropriating a new way of listening. Parks S. **J Anal Psychol** 1987 Apr;32(2):93–115

A brief report: affect and archetype. Stewart LH. **J Anal Psychol** 1987 Jan;32(1):35–46

The hologram as a model for analytical psychology. Zinkin L. **J Anal Psychol** 1987 Jan;32(1):1–21

Analytical psychology and the metapsychology of feelings: possible connections between Jung and Melanie Klein. Zoja L. **J Anal Psychol** 1987 Jan;32(1):47–55

Parental characteristics and partner choice: some evidence for oedipal imprinting. Wilson GD, et al. **J Biosoc Sci** 1987 Apr;19(2):157–61

Self–psychology and dreams: the merging of different perspectives. Greenberg R. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):98–102

Dream and metaphor. Jones RM. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):87–92

The current status of psychodynamic formulation. Friedman RS, et al. **Psychiatry** 1987 May;50(2):126–41

Rescue fantasies. Esman AH. **Psychoanal Q** 1987 Apr; 56(2):263–70

Facial image and object constancy: a clinical experience and a developmental inference. Frank A. **Psychoanal Q** 1987 Jul;56(3):477–96

Ambiguities of self–analysis. Mallard HC. **Psychoanal Q** 1987 Jul;56(3):523–7

A view of aggression in phobic states. Meissner WW, et al. **Psychoanal Q** 1987 Jul;56(3):452–76

Oedipus and insight. Michels R. **Psychoanal Q** 1986 Oct; 55(4):599–617

Projective identification: an alternative hypothesis. Porder MS. **Psychoanal Q** 1987 Jul;56(3):431–51

"I want to be a daddy!": meanings of masculine identifications in girls. Rees K. **Psychoanal Q** 1987 Jul;56(3):497–522

Toward a new psychology of men: psychoanalytic and social perspectives. **Psychoanal Rev** 1986 Winter;73(4):405–620

Symposium. Psychoanalytic phenomenology: the work of Stolorow and Atwood. II. Clinical theory and metapsychology: incompatible or complementary? Basch MF. **Psychoanal Rev** 1986 Fall;73(3):261–71

Psychoanalysis in the arena: how Freud fares in the Science Times. Benton RJ. **Psychoanal Rev** 1987 Summer; 74(2):293–305

Fathering from infancy to old age: a selective overview of recent psychoanalytic contributions. Cath S. **Psychoanal Rev** 1986 Winter;73(4):469–79

Divorce, oedipal asymmetries, and the marital age gap. Chodorow NJ. **Psychoanal Rev** 1986 Winter;73(4):606–10

Becoming a father: a psychoanalytic perspective on the forgotten parent. Diamond MJ. **Psychoanal Rev** 1986 Winter;73(4):445–68

Developmental approaches to the psychology of religion. Fitzgibbons J. **Psychoanal Rev** 1987 Spring;74(1):125–34

The psychoanalytic model of male homosexuality: a historical and theoretical critique. Friedman RM. **Psychoanal Rev** 1986 Winter;73(4):483–519

Oedipus and the aging male: a comparative perspective. Gutmann D. **Psychoanal Rev** 1986 Winter;73(4):541–52

Subjectivity and symbolization. Harris H. **Psychoanal Rev** 1987 Spring;74(1):1–17

The paradoxical relationship between fantasy and reality in Freudian theory. Josephs L. **Psychoanal Rev** 1987 Summer; 74(2):161–77

Addressing the oedipal dilemma in Macbeth. Krohn J. **Psychoanal Rev** 1986 Fall;73(3):333–47

Turning women things into men: masculinization in Papua New Guinea. Lidz T, et al. **Psychoanal Rev** 1986 Winter; 73(4):521–39

Love, seduction, and trauma. Lothane Z. **Psychoanal Rev** 1987 Spring;74(1):83–105

Autodestruction and nonexistence: two distinct aspects of

the death drive. Lowental U. **Psychoanal Rev** 1986 Fall; 73(3):349–60

Concerning a psychoanalytic view of maleness. May R. **Psychoanal Rev** 1986 Winter;73(4):579–97

Male–female relationships: 600 years of change. Nadelson CC. **Psychoanal Rev** 1986 Winter;73(4):600–5

Symposium. Psychoanalytic phenomenology: the work of Stolorow and Atwood. III. Psychoanalysis and phenomenology: a new synthesis. Nissim-Sabat M. **Psychoanal Rev** 1986 Fall;73(3):273–99

The myth of the death of the hero: a Jungian view of masculine psychology. Satinover J. **Psychoanal Rev** 1986 Winter;73(4):553–65

The ethical unconscious. Siebers T. **Psychoanal Rev** 1986 Fall;73(3):309–31

Female bonding: some supportive findings for Melanie Klein's views. Silverman DK. **Psychoanal Rev** 1987 Summer;74(2):201–15

Symposium. Psychoanalytic phenomenology: the work of Stolorow and Atwood. IV. Reply to R. White, M. Basch and M. Nissim-Sabat. Stolorow RD, et al. **Psychoanal Rev** 1986 Fall;73(3):301–8

Symposium. Psychoanalytic phenomenology: the work of Stolorow and Atwood. I. Blowing metaclouds away. White RW. **Psychoanal Rev** 1986 Fall;73(3):249–59

The contribution of child psychoanalysis to psychoanalysis. Anthony EJ. **Psychoanal Study Child** 1986;41:61–87

Causal explanation in science and in psychoanalysis. Implications for writing a case study. Edelson M. **Psychoanal Study Child** 1986;41:89–127

The analyst, his theory, and the psychoanalytic process. Hurwitz MR. **Psychoanal Study Child** 1986;41:439–66

The female Oedipus complex and the relationship to the body. Laufer ME. **Psychoanal Study Child** 1986;41:259–76

The empathic wall and the ecology of affect. Nathanson DL. **Psychoanal Study Child** 1986;41:171–87

Psychoanalysis: a philosophical critique. Taylor FK. **Psychol Med** 1987 Aug;17(3):557–60

Problems in Freud's metapsychology. Andkjaer Olsen O, et al. **Scand J Psychol** 1986;27(2):163–74

[An analytical approach to depression] Delaunoy J. **Acta Psychiatr Belg** 1986;86:721–32 (Eng. Abstr.) **(Fre)**

[Sophocles' Oedipus. Another reading] Dieuzeide P. **Ann Med Psychol (Paris)** 1986 Nov;144(9):941–70 (Eng. Abstr.) **(Fre)**

[Sublimation of sexual aspects in psychoanalysis] Parin P. **Beitr Sexualforsch** 1987;63:11–7 **(Ger)**

[Subjectiveness of the researcher and psychoanalysis of female sexuality] Reinke E. **Beitr Sexualforsch** 1987; 63:58–66 **(Ger)**

[Psychic power and energy. Relation of self-experience and concept formation in Freudian theory] Schott HG. **Clio Med** 1983;18(1–4):209–19 (Eng. Abstr.) **(Ger)**

[Chess player, visitor from a distant star, captain on a great river: Freud and Bateson—on the controversy between psychoanalysis and systems theory] Buchholz MB. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov–Dec; 35(8):274–83 (Eng. Abstr.) **(Ger)**

[A holistic classification scheme based on gestalt concepts, human ethology, systems theory and psychoanalysis] Müssig R. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov–Dec;35(8):283–94 (Eng. Abstr.) **(Ger)**

[Refusing to be God. On the psychoanalysis of belligerence] Auchter T. **Psyche (Stuttg)** 1987 Jul;41(7):641–73 (Eng. Abstr.) **(Ger)**

[Does psychoanalysis neglect the body?] Bittner G. **Psyche (Stuttg)** 1986 Aug;40(8):709–34 (Eng. Abstr.) **(Ger)**

[Freud's essay "The Unconscious"]Böhme G. **Psyche (Stuttg)** 1986 Sep;40(9):761–79 (Eng. Abstr.) **(Ger)**

[Panic, need for panic and panic transmission. Sociopsychoanalytic remarks of contemporary disintegration processes based on Chernobyl and AIDS] Buchholz MB, et al. **Psyche (Stuttg)** 1987 Jul;41(7):610–40 (Eng. Abstr.) **(Ger)**

[Psychoanalysis and anti-Semitism] Claussen D. **Psyche (Stuttg)** 1987 Jan;41(1):1–21 (Eng. Abstr.) **(Ger)**

[Text, transference and deixis] Crapanzano V. **Psyche (Stuttg)** 1987 May;41(5):385–410 **(Ger)**

[Effect of psychoanalysis on German literature] Cremerius J. **Psyche (Stuttg)** 1987 Jan;41(1):39–54 (Eng. Abstr.) **(Ger)**

[Siegfried Bernfeld's Freud studies] Dahmer H. **Psyche (Stuttg)** 1986 Dec;40(12):1109–29 (Eng. Abstr.) **(Ger)**

[Eros and Thanatos—a history] Düe M. **Psyche (Stuttg)** 1987 Aug;41(8):726–48 (Eng. Abstr.) **(Ger)**

[Archaeology and teleology of the unconscious wish. On the conceptual differentiation of need, wish and desire in psychoanalysis] Heim R. **Psyche (Stuttg)** 1986 Sep; 40(9):819–51 (Eng. Abstr.) **(Ger)**

[Followers of Freud meet in Germany] Kurzweil E. **Psyche (Stuttg)** 1986 Oct;40(10):909–21 **(Ger)**

["... a God told me, what I suffer"—emancipation and method] Lorenzer A. **Psyche (Stuttg)** 1986 Dec;40(12):1051–62 (Eng. Abstr.) **(Ger)**

[Borderline patients] Lowenfeld Y. **Psyche (Stuttg)** 1986 Dec; 40(12):1130–4 (Eng. Abstr.) **(Ger)**

[Georges Devereux. The concept of psychoanalysis as an epistemologic and transcultural discipline] Milkau-Kaufmann B, et al. **Psyche (Stuttg)** 1986 Aug; 40(8):665–77 (Eng. Abstr.) **(Ger)**

[Pathology and society. On the psychology of producing nuclear energy] Muck M. **Psyche (Stuttg)** 1987 Jul; 41(7):604–9 (Eng. Abstr.) **(Ger)**

[The practitioner as researcher—psychoanalysis as epistemology and metatheory of psychologic and pedagogic knowledge and action?] Niemeyer C. **Psyche (Stuttg)** 1987 Mar;41(3):193–237 (Eng. Abstr.) **(Ger)**

[Eros and the death drive. On deciphering psychoanalytic "mythology"] Noerr GS. **Psyche (Stuttg)** 1987 Aug; 41(8):677–98 (Eng. Abstr.) **(Ger)**

[Relation of psychoanalysis and systems theory] Plänkers T. **Psyche (Stuttg)** 1986 Aug;40(8):678–708 (Eng. Abstr.) **(Ger)**

[Perversion in the service of self-regulation] Quint H. **Psyche (Stuttg)** 1987 May;41(5):411–31 (Eng. Abstr.) **(Ger)**

[Male and female] Reiche R. **Psyche (Stuttg)** 1986 Sep; 40(9):780–818 (Eng. Abstr.) **(Ger)**

[Discovery of intention in chance. On an early step in the development of the psychoanalytic method] Reicheneder JG. **Psyche (Stuttg)** 1987 Apr;41(4):307–30 (Eng. Abstr.) **(Ger)**

[Reveries of knowledge] Rötzer F. **Psyche (Stuttg)** 1987 Aug; 41(8):717–25 (Eng. Abstr.) **(Ger)**

[How Der Spiegel represents psychoanalysis] Scholz R. **Psyche (Stuttg)** 1987 May;41(5):457–63 **(Ger)**

[Freudian teachings and philosophical interpretations of Freud—an essay on Paul Recoeur] Welsen P. **Psyche (Stuttg)** 1987 Aug;41(8):699–716 (Eng. Abstr.) **(Ger)**

[Psychoanalysis of child abuse] Windaus E. **Psyche (Stuttg)** 1987 Apr;41(4):331–56 (Eng. Abstr.) **(Ger)**

["The air castle and the labyrinth"—Ernst Block's dream theory] Wurth M. **Psyche (Stuttg)** 1987 Jan;41(1):22–38 (Eng. Abstr.) **(Ger)**

[Use of process and turning point in psychotherapy—significance of the theatrical aspect as a cooperative mode of behavior] Schmidt P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Feb;39(2):103–7 (Eng. Abstr.) **(Ger)**

[Structure diagnosis in psychotherapy] Heigl-Evers A, et al. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):225–32 (Eng. Abstr.) **(Ger)**

[Research trends in psychotherapy and the study of neuroses in the last 15 years—a personal impression] Hoffmann SO. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):10–4 (Eng. Abstr.) **(Ger)**

[Interpersonal conflict defense in patients with inflammatory rheumatic diseases—results of an empirical psychoanalytic study] Jordan J, et al. **Psychother Psychosom Med Psychol** 1987 Mar–Apr; 37(3–4):111–20 (Eng. Abstr.) **(Ger)**

[Intentional description as a principle of psychoanalytic knowledge] Tress W. **Psychother Psychosom Med Psychol** 1987 Mar–Apr; 37(3–4):133–41 (Eng. Abstr.) **(Ger)**

[Narcissistic disorders in the light of modern psychoanalysis] Battegay R. **Schweiz Arch Neurol Psychiatr** 1987; 138(1):45–59 (Eng. Abstr.) **(Ger)**

[Body image in psychoanalysis or pleasure as solace] Königseder K. **Schweiz Rundsch Med Prax** 1986 Aug 26; 75(35):1019–22 (Eng. Abstr.) **(Ger)**

[Understanding psychosomatic and somatopsychological processes. Contributions of psychoanalysis] Janssen PL. **Z Klin Psychol Psychopathol Psychother** 1987;35(1):62–73 **(Ger)**

[Psychoanalytic aspects of depression, including mania] Battegay R. **Z Psychosom Med Psychoanal** 1987; 33(2):171–90 (Eng. Abstr.) **(Ger)**

[Changes in emotional insight in the course of psychoanalysis. A single case study] Hohage R, et al. **Z Psychosom Med Psychoanal** 1987;33(2):145–54 (Eng. Abstr.) **(Ger)**

[Castration attempts in the dream. Psychophysiologic research of dreams and psychoanalysis] Strunz F. **Z Psychosom Med Psychoanal** 1986;32(3):249–71 (Eng. Abstr.) **(Ger)**

[Psychosexual impotence: an encounter with the uncanny] Montanari M, et al. **Minerva Psichiatr** 1987 Jan–Mar; 28(1):13–7 (Eng. Abstr.) **(Ita)**

[Fear of death: fear of life?] Erthal TC. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):215–22 (Eng. Abstr.) **(Por)**

[Cultural structures that determine suffering among various populations] Pagés Larraya F. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):169–82 (Eng. Abstr.) **(Spa)**

[Fear and anxiety] Paunero E. **Acta Psiquiatr Psicol Am Lat** 1986 Dec;32(4):281–96 (Eng. Abstr.) **(Spa)**

[Analysis of dreams from a Jungian point of view] Romero EF. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 May–Jun;15(3):147–50 (Eng. Abstr.) **(Spa)**

PSYCHOANALYTIC THERAPY

Countertransference during the acute psychiatric hospitalization of the adolescent. Greenberg L, et al. **Adolesc Psychiatry** 1987;14:316–31

Depressive adolescents, pathological narcissism, and therapeutic failures. Ladame F. **Adolesc Psychiatry** 1987; 14:301–15

Psychoanalytically oriented psychotherapy of substance abuse (with observations on the Penn–VA Study). Okpaku SO. **Adv Alcohol Subst Abuse** 1986 Fall;6(1):17–33

What analysts say they do versus what patients say [letter] Berman LH. **Am J Psychiatry** 1986 Dec;143(12):1629–30

An effect of pharmacotherapy on the psychoanalytic process: case report of a modified analysis. Wylie HW Jr, et al. **Am J Psychiatry** 1987 Apr;144(4):489–92

Mirror hunger in the psychodynamics of sexually abusing therapists. Claman JM. **Am J Psychoanal** 1987 Spring; 47(1):35–40

Current psychoanalytic theory and practice: can there be any one valid unitary approach? Rotenberg CT. **Am J Psychoanal** 1987 Spring;47(1):41–50

Can clinical psychoanalysis be scientific? Paniagua C. **Am J Psychother** 1987 Jan;41(1):104–16

Cognitive structure changes with psychotherapy in neurosis. Raz-Duvshani A. **Br J Med Psychol** 1986 Dec;59 (Pt 4):341–50

Bowen Family Systems theory and psychoanalysis—echo or metamorphosis? Novotny PC. **Bull Menninger Clin** 1987 Jul;51(4):323–37

Successful treatment of a case of ocular tic utilizing brief, intensive psychoanalytic psychotherapy. Rinsley DB. **Bull Menninger Clin** 1986 Sep;50(5):447–55

Psychodynamic group treatment of young adult bulimic women: preliminary positive results. O'Neil MK, et al. **Can J Psychiatry** 1987 Mar;32(2):153–5

Democratic socialism confronts psychiatry [letter] **Can Med Assoc J** 1987 Jan 1;136(1):8–9

Changes in the attitude of general practitioners as a result of participation in a Balint group. Dokter HJ, et al. **Fam Pract** 1986 Sep;3(3):155–63

Structures in interpretations: a group psychoanalytic perspective. Debbane EG, et al. **Int J Group Psychother** 1986 Oct;36(4):517–32

An analysis of AGPA Institute groups. MacKenzie KR, et al. **Int J Group Psychother** 1987 Jan;37(1):55–74

Theoretical and technical elements which characterize the American approaches to psychoanalytic group psychotherapy. Tuttman S. **Int J Group Psychother** 1986 Oct;36(4):499–515

Some alterations of the ego which make analyses interminable. Anzieu D. **Int J Psychoanal** 1987;68 (Pt 1):9–19

Analysis terminable and interminable, fifty years on. Berenstein I. **Int J Psychoanal** 1987;68 (Pt 1):21–35

Internalization, separation–individuation, and the nature of therapeutic action. Blatt SJ, et al. **Int J Psychoanal** 1987; 68 (Pt 2):279–97

Analysis terminable and interminable: a half century retrospective. Blum HP. **Int J Psychoanal** 1987;68 (Pt 1):37–47

Dependence and narcissistic resistances in the psychoanalytic process. Boschán PJ. **Int J Psychoanal** 1987;68 (Pt 1):109–18

Some enuretic derivatives in an adult analysis. Browne ND. **Int J Psychoanal** 1986;67 (Pt 4):449–57

Pathological jealousy. Coen SJ. **Int J Psychoanal** 1987;68 (Pt 1):99–108

Some implications of former massive traumatization upon the actual analytic process. de Wind E. **Int J Psychoanal** 1984;65 (Pt 3):273–81

On envy and how to interpret it. Etchegoyen RH, et al. **Int J Psychoanal** 1987;68 (Pt 1):49–61

An analyst's regressive reverie: a response to the analysand's illness. Frayn DH. **Int J Psychoanal** 1987;68 (Pt 2):271–7

On the limits of the effectiveness of psychoanalysis: early ego and somatic disturbances. Freedman DA. **Int J Psychoanal** 1972;53 (Pt 3):363–70

The influence of historical events on psychoanalysis: a case history. Hinze E. **Int J Psychoanal** 1986;67 (Pt 4):459–66

Struggling with words. Aspects of the psychoanalysis of a male homosexual. Kennedy R. **Int J Psychoanal** 1987;68 (Pt 1):119–28

On the relationship of transference and interpretation in psychoanalytic therapy. Klauber J. **Int J Psychoanal** 1972; 53 (Pt 3):385–91

Primal scene and sexual perversion. McDougall J. **Int J Psychoanal** 1972;53 (Pt 3):371–84

Analyst involvement in the psychoanalytical impasse. Maldonado JL. **Int J Psychoanal** 1984;65 (Pt 3):263–71

The two classes of objects and the two classes of transference. Parkin A. **Int J Psychoanal** 1987;68 (Pt 2):185–95

Suddenly finding it really matters: the paradox of the analyst's non-attachment. Parsons M. **Int J Psychoanal** 1986;67 (Pt 4):475–88

A delusional system as a defence against the re-emergence of a catastrophic situation. Segal H. **Int J Psychoanal** 1972; 53 (Pt 3):393–401

Varieties of transference interpretations: an object-relations view. Stewart H. **Int J Psychoanal** 1987;68 (Pt 2):197–205

Hypnoanalysis and orgasmic dysfunction. Stewart DA. **Int J Psychosom** 1986;33(3):21–2

Some thoughts about therapeutic change in families at adolescence (a psychoanalytic approach). Box S. **J Adolesc** 1986 Sep;9(3):187–98

A perspective on therapeutic work with in-patient adolescents. Singh N. **J Adolesc** 1987 Jun;10(2):119–31

When supervisor and therapist dream: the use of an unusual counter-transference phenomenon. Bernstein AE, et al. **J Am Acad Psychoanal** 1987 Apr;15(2):261-71

Psychotherapy of patients with serious intercurrent medical illness (cancer). Druss RG. **J Am Acad Psychoanal** 1986 Oct;14(4):459-72

The impact of the therapist's pregnancy on the dynamics of the therapeutic process. Fuller RL. **J Am Acad Psychoanal** 1987 Jan;15(1):9-28

On the importance of wearing two hats: dream researcher and psychoa. alyst. Greenberg R. **J Am Acad Psychoanal** 1987 Jul;15(3):321-30

Psychosemantics. Masserman JH. **J Am Acad Psychoanal** 1987 Apr;15(2):125-31

Philosophical paradigms in psychoanalysis. Rendon M. **J Am Acad Psychoanal** 1986 Oct;14(4):495-505

Implications of the behavioral sex therapies for psychoanalytic theory and practice: intrapsychic sequelae of symptom removal in the patient and spouse. Segraves RT. **J Am Acad Psychoanal** 1986 Oct;14(4):485-93

Exploring the analyst's treatment stance in current psychoanalytic practice. Tuttman S. **J Am Acad Psychoanal** 1987 Jan;15(1):29-37

Psychoanalysis of the young adult: theory and technique. Panel report. **J Am Psychoanal Assoc** 1987;35(1):175-87

Conversion of psychotherapy to psychoanalysis. Panel report. **J Am Psychoanal Assoc** 1987;35(3):713-26

Psychoanalytic contributions to psychiatric nosology. Panel report. **J Am Psychoanal Assoc** 1987;35(3):693-711

Oedipal and preoedipal phenomena: some thoughts on their interrelation as manifest in adult analytic reconstructions. Davidoff-Hirsch H. **J Am Psychoanal Assoc** 1985; 33(4):821-40

Insurance. Halpert E. **J Am Psychoanal Assoc** 1985; 33(4):937-49

Recontact with the analyst following termination: a survey of seventy-one cases. Hartlaub GH, et al. **J Am Psychoanal Assoc** 1986;34(4):895-910

The role of reality testing in psychoanalysis: followup of 22 cases. Kantrowitz JL, et al. **J Am Psychoanal Assoc** 1987; 35(2):367-85

Changes in the level and quality of object relations in psychoanalysis: followup of a longitudinal, prospective study. Kantrowitz JL, et al. **J Am Psychoanal Assoc** 1987; 35(1):23-46

The play of transference: some reflections on enactment in the psychoanalytic situation. McLaughlin JT. **J Am Psychoanal Assoc** 1987;35(3):557-82

Drives, affects, behavior--and learning: approaches to a psychobiology of emotion and to an integration of psychoanalytic and neurobiologic thought. Schwartz A. **J Am Psychoanal Assoc** 1987;35(2):467-506

Illness in the doctor: implications for the psychoanalytic process. Schwartz HJ. **J Am Psychoanal Assoc** 1987; 35(3):657-92

Psychoanalytic contributions to psychiatric nosology: forms of masochistic behavior. Simons RC. **J Am Psychoanal Assoc** 1987;35(3):583-608

The microstructure of free association. Teller V, et al. **J Am Psychoanal Assoc** 1986;34(4):763-98

Countertransference during an analyst's brief illness. van Dam H. **J Am Psychoanal Assoc** 1987;35(3):647-55

Determinism, possibility, and ethics. Wallace ER. **J Am Psychoanal Assoc** 1986;34(4):933-74

Reconstruction of an early seduction and its aftereffects. Williams M. **J Am Psychoanal Assoc** 1987;35(1):145-63

Shadow aspects of narcissistic disorders and their therapeutic treatment. Asper-Bruggisser K. **J Anal Psychol** 1987 Apr; 32(2):117-37

The feminine in witchcraft: Part I. Bührmann MV. **J Anal Psychol** 1987 Apr;32(2):139-56 concl

Struggles with the 'other one': the reconciliation of a pre-adolescent boy with his masculinity. Eide-Midtsand N. **J Anal Psychol** 1987 Apr;32(2):157-71

Healing and wounding: the collision of the sacred and the profane in narcissism. Savitz C. **J Anal Psychol** 1986 Oct; 31(4):319-40

The hologram as a model for analytical psychology. Zinkin L. **J Anal Psychol** 1987 Jan;32(1):1-21

Psychoanalytic psychotherapy and its indications. Gomez JR. **J Med Assoc Ga** 1986 Oct;75(10):623-5

Psychodynamic ego-state therapy for eating disorders. Torem MS. **New Dir Ment Health Serv** 1986 Fall; (31):99-107

Family treatment within a psychodynamic treatment milieu. Bradley SS. **Psychiatr Clin North Am** 1987 Jun; 10(2):289-308

Long-term psychoanalytic hospital treatment of adolescents. Goodrich W. **Psychiatr Clin North Am** 1987 Jun; 10(2):273-87

Disguised countertransference in institutions. Shapiro ER, et al. **Psychiatry** 1987 Feb;50(1):72-82

Working through: 1914-1984. Brenner C. **Psychoanal Q** 1987 Jan;56(1):88-108

Some limitations on therapeutic effectiveness: the "burnout syndrome" in psychoanalysts. Cooper AM. **Psychoanal Q** 1986 Oct;55(4):576-98

Facial image and object constancy: a clinical experience and a developmental inference. Frank A. **Psychoanal Q** 1987 Jul;56(3):477-96

Psychoanalysis and negotiation. Goldberg A. **Psychoanal Q** 1987 Jan;56(1):109-29

Ambiguities of self-analysis. Mallard HC. **Psychoanal Q** 1987 Jul;56(3):523-7

A view of aggression in phobic states. Meissner WW, et al. **Psychoanal Q** 1987 Jul;56(3):452-76

The contribution of child psychoanalysis to psychoanalysis. Anthony EJ. **Psychoanal Study Child** 1986;41:61-87

A paradigm of development. The psychoanalysis of an adolescent. Gluckman RM. **Psychoanal Study Child** 1986; 41:337-56

Reconstruction of adolescence in adult analysis. Goettsche RL. **Psychoanal Study Child** 1986;41:357-77

The analyst, his theory, and the psychoanalytic process. Hurwitz MR. **Psychoanal Study Child** 1986;41:439-66

Steps in self development. Moses RH, et al. **Psychoanal Study Child** 1986;41:491-513

"Lying" and "lying". A case report of a paradoxical reaction to the couch. Reiser LW. **Psychoanal Study Child** 1986; 41:537-59

Evaluation of therapeutic outcome: some reflections on methodology. Gullestad S. **Psychother Psychosom** 1986; 46(3):110-5

Relation of family factor to treatment outcome for bulimic patients. Krener PG, et al. **Psychother Psychosom** 1986; 45(3):127-32

Countertransference responses in short-term dynamic psychotherapy. Vaslamatzis G, et al. **Psychother Psychosom** 1986;46(3):105-9

[Several commentaries on the psychotherapy of borderlines] **Ann Med Psychol (Paris)** 1986 Jun;144(6):600-4 **(Fre)**

[The role of a mediator object in the initial analytic therapy of psychotics] Haumonte MT, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):669-73 **(Fre)**

[Psychoanalysis and psychometric evaluation] Brun D. **Bull Cancer (Paris)** 1986;73(6):713-5 (Eng. Abstr.) **(Fre)**

[Psychotherapy and culture] Michel L, et al. **Schweiz Arch Neurol Psychiatr** 1987;138(1):5-16 (Eng. Abstr.) **(Fre)**

[Chess player, visitor from a distant star, captain on a great river: Freud and Bateson--on the controversy between psychoanalysis and systems theory] Buchholz MB. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov-Dec; 35(8):274-83 (Eng. Abstr.) **(Ger)**

[A holistic classification scheme based on gestalt concepts, human ethology, systems theory and psychoanalysis] Müssig R. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov-Dec;35(8):283-94 (Eng. Abstr.) **(Ger)**

[The psychoanalyst caught between internal and external reality] Becker H, et al. **Psyche (Stuttg)** 1987 Apr; 41(4):289-306 (Eng. Abstr.) **(Ger)**

[The traumatized therapist. Countertransference in a difficult patient] Calogeras RC, et al. **Psyche (Stuttg)** 1986 Nov; 40(11):971-90 (Eng. Abstr.) **(Ger)**

[Text, transference and deixis] Crapanzano V. **Psyche (Stuttg)** 1987 May;41(5):385-410 **(Ger)**

[Structure and therapy of compulsive neurosis] Lang H. **Psyche (Stuttg)** 1986 Nov;40(11):953-70 (Eng. Abstr.) **(Ger)**

[Borderline patients] Lowenfeld Y. **Psyche (Stuttg)** 1986 Dec; 40(12):1130-4 (Eng. Abstr.) **(Ger)**

[Identification, new needs and new forms of sexuality] McDougall J. **Psyche (Stuttg)** 1986 Nov;40(11):1007-29 (Eng. Abstr.) **(Ger)**

[The psychoanalyst without face or history--psychoanalysis without face or history] Speier S. **Psyche (Stuttg)** 1987 Jun; 41(6):481-91 (Eng. Abstr.) **(Ger)**

[The verbal behavior of the analyst in transference] Streeck U, et al. **Psyche (Stuttg)** 1987 Jan;41(1):60-75 (Eng. Abstr.) **(Ger)**

[Sexuality in the aged] Westenberger H. **Psyche (Stuttg)** 1987 Jun;41(6):529-38 (Eng. Abstr.) **(Ger)**

[Is Chestnut Lodge salt in the wound of psychoanalytic contributions to the treatment of schizophrenia?] Müller H. **Psychiatr Prax** 1987 Jan;14(1):22-6 (Eng. Abstr.) **(Ger)**

[Inpatient psychoanalytic treatment of sever personality disorders] Tress W, et al. **Psychiatr Prax** 1987 Jul; 14(4):115-20 (Eng. Abstr.) **(Ger)**

["Hansel and Gretel, my favorite fairy tale"]Bettelheim B. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):1-9 (Eng. Abstr.) **(Ger)**

[Structure diagnosis in psychotherapy] Heigl-Evers A, et al. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):225-32 (Eng. Abstr.) **(Ger)**

[Research trends in psychotherapy and the study of neuroses in the last 15 years--a personal impression] Hoffmann SO. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):10-4 (Eng. Abstr.) **(Ger)**

[Quantification of emotional insight in the initial psychoanalytic interview] Hohage R, et al. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):193-6 (Eng. Abstr.) **(Ger)**

[Documentation of the interview outcome in psychotherapeutic ambulatory care] Hohage R, et al. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):244-7 (Eng. Abstr.) **(Ger)**

[Intentional description as a principle of psychoanalytic knowledge] Tress W. **Psychother Psychosom Med Psychol** 1987 Mar-Apr; 37(3-4):133-41 (Eng. Abstr.) **(Ger)**

[Balint group activities in hospital extramural care (SPITEX)] Jovic N. **Schweiz Rundsch Med Prax** 1987 Mar 31; 76(14):375-9 (Eng. Abstr.) **(Ger)**

[Specific conflicts and behavior patterns of aging men--experiences from psychoanalytic psychotherapy] Radebold H. **Z Gerontol** 1986 Jul-Aug;19(4):240-3 **(Ger)**

[In search of the hidden beauty of the psychoanalyst. First contributions from descriptive psychology] Alberti L, et al. **Z Psychosom Med Psychoanal** 1987;33(1):1-19 (Eng. Abstr.) **(Ger)**

[Changes in emotional insight in the course of psychoanalysis. A single case study] Hohage R, et al. **Z Psychosom Med Psychoanal** 1987;33(2):145-54 (Eng. Abstr.) **(Ger)**

[Decisions of the physician in a psychoanalytic interview. Patient characteristics in the initial psychodiagnostic interview] Janta B, et al. **Z Psychosom Med Psychoanal** 1987;33(1):20-31 (Eng. Abstr.) **(Ger)**

[Success of inpatient psychotherapy] Payk TR, et al. **Z Psychosom Med Psychoanal** 1987;33(1):32-41 (Eng. Abstr.) **(Ger)**

[Intuition in the therapeutic process] Rentrop E. **Z Psychosom Med Psychoanal** 1987;33(2):139-44 **(Ger)**

[Physician-patient relations in autogenic training and hypnotherapy] Merra S. **Minerva Med** 1986 Sep 15; 77(34-35):1567-76 (Eng. Abstr.) **(Ita)**

[Clinical conference at the Brazilian Institute for Study and Research in Gastroenterology] **Arq Gastroenterol** 1986 Apr-Jun;23(2):118-23 **(Por)**

EDUCATION

Cross-gender supervision of cross-gender therapy: female supervisor, male candidate, female patient. Mendell D. **Am J Psychoanal** 1986 Fall;46(3):270-5

Psychoanalytic supervision and the larger truth. Newman C. **Am J Psychoanal** 1986 Fall;46(3):263-9

The assessment of analysability: a major hazard in selection for psychoanalysis. Limentani A. **Int J Psychoanal** 1972; 53 (Pt 3):351-61

Developing psychosocial sensitivity among family doctors--a content analysis of Balint seminar discussions. Maoz B, et al. **Isr J Psychiatry Relat Sci** 1986;23(3):205-13

The current status of psychodynamic formulation. Friedman RS, et al. **Psychiatry** 1987 May;50(2):126-41

METHODS

A method for establishing reliability of statements from psychodynamic case formulations. Rosenberg SE, et al. **Am J Psychiatry** 1986 Nov;143(11):1454-6

Intensive psychodynamic therapy with borderline patients: an overview. Waldinger RJ. **Am J Psychiatry** 1987 Mar; 144(3):267-74 (38 ref.)

Application of Horney theory in the treatment of a traumatized child. Brown M. **Am J Psychoanal** 1987 Spring; 47(1):3-20

Analysis once a week. Greenberg SI. **Am J Psychoanal** 1986 Winter;46(4):327-35

Research in Horney's psychoanalytic theory. van den Daele L. **Am J Psychoanal** 1987 Summer;47(2):99-104

Working through: a cornerstone of psychotherapy. Fialkow NJ, et al. **Am J Psychother** 1987 Jul;41(3):443-52

Behavioral and psychoanalytic perspectives at therapeutic choice points. Messer SB. **Am Psychol** 1986 Nov; 41(11):1261-72

Stages in the treatment of narcissistic children and adolescents. Bleiberg E. **Bull Menninger Clin** 1987 May; 51(3):296-313

Structure and defense in the therapy of Little Hans. Fineberg BL. **Bull Menninger Clin** 1986 Sep;50(5):440-6

Indications for group psychotherapy with borderline and narcissistic patients. Horwitz L. **Bull Menninger Clin** 1987 May;51(3):248-60

Psychotherapy of borderline patients in light of long-term follow-up. Stone MH. **Bull Menninger Clin** 1987 May; 51(3):231-47

Some problems connected with the treatment of suicide attempt patients: transference and countertransference aspects. Wolk-Wasserman D. **Crisis** 1987 Mar;8(1):69-82

Formulations of self and family systems. Brighton-Cleghorn J. **Fam Process** 1987 Jun;26(2):185-201

Some connections between a group-analytic and a group focal conflict perspective. Whitaker DS. **Int J Group Psychother** 1987 Apr;37(2):201-18

How does self psychology differ in practice?[letter] Levine FJ. **Int J Psychoanal** 1986;67 (Pt 4):502-6

Varying modes of analytic participation. Hirsch I. **J Am Acad Psychoanal** 1987 Apr;15(2):205-22

Psychoanalytic intervention with children and adolescents with affective disorders: a combined treatment approach. Kestenbaum CJ, et al. **J Am Acad Psychoanal** 1987 Apr; 15(2):153-74

Some guiding considerations in analytical work. Mendelson MD. **J Am Acad Psychoanal** 1987 Jul;15(3):293-302

Working with adolescents in intensive psychotherapy. Toolan JM. **J Am Acad Psychoanal** 1987 Jul;15(3):303-20

A self-psychological reevaluation of posttraumatic stress disorder (PTSD) and its treatment: shattered fantasies. Ulman RB, et al. **J Am Acad Psychoanal** 1987 Apr; 15(2):175-203

Issues in psychoanalytic treatment of a borderline/severely neurotic child. Panel report. **J Am Psychoanal Assoc** 1987; 35(3):727-37

Psychoanalysis and time. Arlow JA. **J Am Psychoanal Assoc** 1986;34(3):507-28

The genesis of interpretation. Arlow JA.
J Am Psychoanal Assoc 1979;27 Suppl:193–206
The curative and creative aspects of insight. Blum HP.
J Am Psychoanal Assoc 1979;27 Suppl:41–69
Working alliance, therapeutic alliance, and transference. Brenner C. **J Am Psychoanal Assoc** 1979;27 Suppl:137–57
Truth from genetic illusion: the transference and the fate of the infantile neurosis. Coltrera JT.
J Am Psychoanal Assoc 1979;27 Suppl:289–313
The concept of therapeutic alliance: implications for the "widening scope"Curtis HC. **J Am Psychoanal Assoc** 1979; 27 Suppl:159–92
The role of insight in psychoanalysis and psychotherapy—introduction. Freud A.
J Am Psychoanal Assoc 1979;27 Suppl:3–7
The analysis of the transference. Gill MM.
J Am Psychoanal Assoc 1979;27 Suppl:263–88
Freud, Dora, and the maid: a study of countertransference. Glenn J. **J Am Psychoanal Assoc** 1986;34(3):591–606
Toward a definition of psychoanalytic neutrality. Hoffer A.
J Am Psychoanal Assoc 1985;33(4):771–95
Psychoanalysis: is the therapy destroying the science? Holzman PS. **J Am Psychoanal Assoc** 1985;33(4):725–70
The revival of "Dora": advances in psychoanalytic theory and technique. Jennings JL. **J Am Psychoanal Assoc** 1986; 34(3):607–35
Comments on the therapeutic action of psychoanalysis. Joseph E. **J Am Psychoanal Assoc** 1979;27 Suppl:71–9
Affect availability, tolerance, complexity, and modulation in psychoanalysis: followup of a longitudinal, prospective study. Kantrowitz JL, et al. **J Am Psychoanal Assoc** 1986; 34(3):529–59
The role of insight in child analysis: a developmental viewpoint. Kennedy H. **J Am Psychoanal Assoc** 1979;27 Suppl:9–28
Some implications of object relations theory for psychoanalytic technique. Kernberg OF.
J Am Psychoanal Assoc 1979;27 Suppl:207–39
Therapeutic strategy and psychoanalytic technique. Levy ST. **J Am Psychoanal Assoc** 1987;35(2):447–66
The fundamental rule: a study of current usage. Lichtenberg JD, et al. **J Am Psychoanal Assoc** 1987;35(1):47–76
The role of insight in psychoanalysis. Neubauer PB.
J Am Psychoanal Assoc 1979;27 Suppl:29–40
Contemporary issues in the theory of therapy. Rangell L.
J Am Psychoanal Assoc 1979;27 Suppl:81–112
Rules of clinical understanding in classical psychoanalysis and in self psychology: a comparison. Reed GS.
J Am Psychoanal Assoc 1987;35(2):421–46
Reconstruction and perceptual experience: further thoughts on psychoanalytic listening. Schwaber EA.
J Am Psychoanal Assoc 1986;34(4):911–32
The concept of "classical" psychoanalysis.Valenstein AF.
J Am Psychoanal Assoc 1979;27 Suppl:113–36
Some additional remarks on problems of transference. van der Leeuw PJ. **J Am Psychoanal Assoc** 1979;27 Suppl:315–26
Experiments in appropriating a new way of listening. Parks S. **J Anal Psychol** 1987 Apr;32(2):93–115
Cocaine dependence treatment on an inpatient detoxification unit. Wallace BC. **J Subst Abuse Treat** 1987;4(2):85–92
An appraisal of selection criteria for dynamic psychotherapies and implications for setting time limits. Binder JL, et al. **Psychiatry** 1987 May;50(2):154–66
Brief dynamic psychotherapy: toward a more comprehensive model. Donovan JM. **Psychiatry** 1987 May;50(2):167–83
Countertransference, empathy, and the analytic ideal: the impact of life stresses on analytic capability. Abend SM.
Psychoanal Q 1986 Oct;55(4):563–75
On the technique of analysis of the superego—an introduction. Gray P. **Psychoanal Q** 1987 Jan;56(1):130–54
A core process in psychoanalytic treatment. Rangell L.
Psychoanal Q 1987 Jan;56(1):222–49
Robert Waelder on psychoanalytic technique: five lectures. Waelder R. **Psychoanal Q** 1987 Jan;56(1):1–67
The unanalyzable transference: a portrait of Roustang's critique of classical technique. Ahlskog G.
Psychoanal Rev 1987 Summer;74(2):179–200
Psychosomatic medicine: integrating dynamic, behavioral and biological perspectives. Wise TN.
Psychother Psychosom 1986;46(1–2):85–95
[Transference and countertransference in psychoanalytic treatment of the elderly patient] Hinze E.
Psyche (Stuttg) 1987 Mar;41(3):238–53 (Eng. Abstr.) **(Ger)**
[Understanding and not understanding. Some technical questions] Joseph B. **Psyche (Stuttg)** 1986 Nov; 40(11):991–1006 (Eng. Abstr.) **(Ger)**
["... a God told me, what I suffer"—emancipation and method] Lorenzer A. **Psyche (Stuttg)** 1986 Dec;40(12):1051–62 (Eng. Abstr.) **(Ger)**
[Fantasy and reality in psychoanalytic institutions] Mitscherlich-Nielsen M. **Psyche (Stuttg)** 1986 Dec; 40(12):1105–8 (Eng. Abstr.) **(Ger)**
[Supportive treatment of exhibitionism. A psychoanalytic approach] Plassmann R. **Psyche (Stuttg)** 1987 Feb; 41(2):140–7 (Eng. Abstr.) **(Ger)**
[Use of the Thematic Apperception Test in the psychotherapy of delinquents] Rauchfleisch U.
Psyche (Stuttg) 1986 Aug;40(8):735–54 (Eng. Abstr.) **(Ger)**
[Experiences with intended dynamic group psychotherapy in the complex therapy of schizophrenic patients] Ehle G. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Feb;39(2):89–97 (Eng. Abstr.) **(Ger)**
[Use of process and turning point in psychotherapy—significance of the theatrical aspect as a cooperative mode of behavior] Schmidt P, et al.
Psychiatr Neurol Med Psychol (Leipz) 1987 Feb;39(2):103–7 (Eng. Abstr.) **(Ger)**
[The main image and counterimage in intensive treatment] Ahren Y, et al.
Z Klin Psychol Psychopathol Psychother 1987;35(1):74–81 **(Ger)**
[Beginning of the session in psychoanalytic therapy] Kind J. **Z Psychosom Med Psychoanal** 1986;32(3):216–30 (Eng. Abstr.) **(Ger)**
[Status of indications and therapeutic interaction in dynamic psychotherapy and standard analytic treatment?] Rudolf G, et al. **Z Psychosom Med Psychoanal** 1987;33(3):221–37 (Eng. Abstr.) **(Ger)**
[Therapeutic goal of the patient as a criterion for prognosis and success of inpatient psychotherapy] Ruff W, et al.
Z Psychosom Med Psychoanal 1987;33(3):238–51 (Eng. Abstr.) **(Ger)**

TRENDS

[The short summer of psychoanalysis. Remarks on a current conflict] Becker H. **Psyche (Stuttg)** 1987 Mar;41(3):254–62 **(Ger)**
[The practitioner as researcher—psychoanalysis as epistemology and metatheory of psychologic and pedagogic knowledge and action?] Niemeyer C.
Psyche (Stuttg) 1987 Mar;41(3):193–237 (Eng. Abstr.) **(Ger)**

PSYCHODIDAE

Natural focality of zoonotic cutaneous leishmaniasis in the Mongolian People's Republic; results and objectives of integrated research. Neronov VM, et al.
Folia Parasitol (Praha) 1987;34(1):1–9

ANALYSIS

Chemical analysis of compounds extracted from the tergal "spots" of Lutzomyia longipalpis from Brazil.Phillips A, et al. **Acta Trop (Basel)** 1986 Sep;43(3):271–6

CLASSIFICATION

Diagnosis by isozyme methods of two cryptic species, Psychodopygus carrerai and P. yucumensis (Diptera: Psychodidae). Caillard T, et al. **J Med Entomol** 1986 Sep 19;23(5):489–92
Lutzomyia youngi (Diptera: Psychodidae), a new phlebotomine sand fly previously misidentified as L. townsendi in endemic foci of cutaneous leishmaniasis in Venezuela and Costa Rica. Feliciangeli MD, et al.
J Med Entomol 1987 Mar;24(2):141–6
[On the classification of the subgenus Larrousius nitzulescu, 1931 and Phlebotomus wui stat. nov. (Diptera: Phlebotomidae)] Xiong GH, et al.
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1987;5(1):45–8 (Eng. Abstr.) **(Chi)**

GROWTH & DEVELOPMENT

[Epidemiological characteristics of American cutaneous leishmaniasis in an endemic region of the State of Bahia. III. Phlebotomine fauna] Vexenat JA, et al.
Mem Inst Oswaldo Cruz 1986 Jul–Sep;81(3):293–301 (Eng. Abstr.) **(Por)**

ISOLATION & PURIFICATION

Leishmaniasis in Sardinia. I. Observations on a larval breeding site of Phlebotomus perniciosus, Phlebotomus perfiliewi perfiliewi and Sergentomyia minuta (Diptera: Psychodidae) in the canine leishmaniasis focus of Soleminis (Cagliari). Bettini S, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):307–15

MICROBIOLOGY

Natural infection of humans, animals, and phlebotomine sand flies with the Alagoas serotype of vesicular stomatitis virus in Colombia. Tesh RB, et al. **Am J Trop Med Hyg** 1987 May;36(3):653–61
Biology of Arboledas virus, a new phlebotomus fever serogroup virus (Bunyaviridae: Phlebovirus) isolated from sand flies in Colombia. Tesh RB, et al.
Am J Trop Med Hyg 1986 Nov;35(6):1310–6

PARASITOLOGY

Host–parasite relationship of Leishmania mexicana mexicana and Lutzomyia abonnenci (Diptera: Psychodidae). Walters LL, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):294–314
Observations on the parasite Leishmania mexicana amazonensis and its natural infection of the sand fly Lutzomyia olmeca nociva. Arias JR, et al.
Bull Pan Am Health Organ 1987;21(1):48–54
Experimental transmission of Leishmania mexicana by a North American sand fly, Lutzomyia anthophora (Diptera: Psychodidae). Endris RG, et al. **J Med Entomol** 1987 Mar; 24(2):243–7
Development of Leishmania mexicana in Lutzomyia diabolica and Lutzomyia shannoni (Diptera: Psychodidae). Lawyer PG, et al. **J Med Entomol** 1987 May;24(3):347–55
Experimental transmission of Leishmania mexicana to hamsters by bites of phlebotomine sand flies (Diptera: Psychodidae) from the United States. Lawyer PG, et al.
J Med Entomol 1987 Jul;24(4):458–62
The susceptibility of wild caught sand flies to infection by a subspecies of Leishmania mexicana isolated from Proechimys iheringi denigratus (Rodentia, Echimyidae). Barretto AC, et al. **Mem Inst Oswaldo Cruz** 1986 Apr–Jun; 81(2):235–6
Experimental infection of Lutzomyia longipalpis fed on a patient with cutaneous leishmaniasis due to Leishmania mexicana amazonensis. Deane LM, et al.
Mem Inst Oswaldo Cruz 1986 Jan–Mar;81(1):133–4
Leishmaniasis in Bolivia. II. The involvement of Psychodopygus yucumensis and Psychodopygus llanosmartinsi in the selvatic transmission cycle of Leishmania braziliensis braziliensis in a lowland subandean region. Le Pont F, et al. **Mem Inst Oswaldo Cruz** 1986 Jul–Sep;81(3):311–8
[The sandfly fauna and its role in transmission of kala azar in four landscape zones of the Aksu region, Xinjiang] Guan LR, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(3):169–72 (Eng. Abstr.) **(Chi)**
[An entomological survey in the focus of zoonotic cutaneous leishmaniasis (Leishmania major) of Sidi Bouzid (Tunisia) in 1985] Helal H, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):349–56 (Eng. Abstr.) **(Fre)**
[Phlebotomus of Vargem Grande, a focus of cutaneous leishmaniasis in the State of Rio de Janeiro] Rangel EF, et al. **Mem Inst Oswaldo Cruz** 1986 Jul–Sep;81(3):347–9 (Eng. Abstr.) **(Por)**
[Experimental infection of Lutzomyia whitmani in dogs infected with Leishmania braziliensis braziliensis] Vexenat JA, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar; 81(1):125–6 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Studies on the habitat of Phlebotomus chinensis in Beijing suburbs. Xu ZB, et al. **Chin Med J [Engl]** 1986 Nov; 99(11):920–3
A brief report on sandflies in southern Sinai, Egypt [letter] el Sawaf BM, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):413–4
Ecological aspects of American cutaneous leishmaniasis. 4. Observations on the endophilic behavior of the sandfly and the vectorial role of Psychodopygus intermedius in the Ribeira Valley region of the S. Paulo State, Brazil. Gomes A de C, et al. **Rev Saude Publica** 1986 Aug;20(4):280–7
[Biology of Lutzomyia intermedia Lutz & Neiva, 1912 and Lutzomyia longipalpis Lutz & Neiva, 1912 (Diptera, Psychodidae), under experimental conditions. I. Feeding aspects of larvae and adults] Rangel EF, et al.
Mem Inst Oswaldo Cruz 1986 Oct–Dec;81(4):431–8 (Eng. Abstr.) **(Por)**

PSYCHODRAMA

see related
ACTING OUT

Measuring children's retention of skills to resist stranger abduction: use of the simulation technique. Fryer GE Jr, et al. **Child Abuse Negl** 1987;11(2):181–5
Further validation of the Problem Inventory for Adolescent Girls: comparing Caucasian and black delinquents and nondelinquents. Ward CI, et al. **J Consult Clin Psychol** 1986 Oct;54(5):732–3
Role-taking skills and perceived similarity in baccalaureate nursing students. Moser RS. **J Nurs Educ** 1987 Jun; 26(6):228–32
Role playing: a tool for the prevention and acceptance of mental illness. Wistrom FE.
J Psychosoc Nurs Ment Health Serv 1987 Jun;25(6):21–4
[Fairy tale drama—an inpatient group psychotherapeutic method for patients with ego disorders] Garde T, et al.
Psychiatr Prax 1987 Jul;14(4):137–41 (Eng. Abstr.) **(Ger)**

PSYCHOGENETICS see **GENETICS, BEHAVIORAL**

PSYCHOGERIATRICS see **GERIATRIC PSYCHIATRY**

PSYCHOLINGUISTICS

see related
LANGUAGE DEVELOPMENT

Visual word perception and semantic processing: an electrophysiological perspective. Bentin S.
Isr J Med Sci 1987 Jan–Feb;23(1–2):138–44
Individuality and mutuality in the language of families of field-dependent and field-independent children. Dreyer AS, et al. **J Genet Psychol** 1987 Mar;148(1):105–17
[A psycholinguistic study in a patient with echolalia] Diesfeldt HF. **Tijdschr Gerontol Geriatr** 1986 Oct; 17(5):191–200 (Eng. Abstr.) **(Dut)**

PSYCHOLOGICAL TESTS

Psychosocial correlates of blood pressure in childhood and adolescence. First stage of a prospective study. Weiss M,

et al. **Act Nerv Super (Praha)** 1987 Mar;29(1):66–9
Remembering to do things in the laboratory and everyday life. Wilkins AJ. **Acta Neurol Scand [Suppl]** 1986;109:109–12
Discriminant analysis of the Self-Administered Alcoholism Screening Test. Davis LJ Jr, et al. **Alcoholism (NY)** 1987 Jun;11(3):269–73
Measuring small life events. Zautra AJ, et al. **Am J Community Psychol** 1986 Dec;14(6):629–55
Motivation in health behavior: measurement, antecedents, and correlates. Cox CL, et al. **ANS** 1987 Jul;9(4):1–15
Performance of screening and diagnostic tests. Application of receiver operating characteristic analysis. Murphy JM, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):550–5
Million Behavioral Health Inventory: its utility in predicting physical function in patients with low back pain. Gatchel RJ, et al. **Arch Phys Med Rehabil** 1986 Dec;67(12):878–82
Some statistics for analysing change in psychiatric research. Hadzi-Pavlovic D. **Aust NZ J Psychiatry** 1986 Dec; 20(4):438–51
Specificity of fear survey schedule items and the prediction of avoidance behavior. Lick JR, et al. **Behav Modif** 1977 Apr;1(2):195–203
Validity of the Social Avoidance and Distress and Fear of Negative Evaluation scales. Turner SM, et al. **Behav Res Ther** 1987;25(2):113–5
Mediational factors underlying cognitive changes and laterality in affective illness. Sapin LR, et al. **Biol Psychiatry** 1987 Aug;22(8):979–86
The application of the SODQ to the measurement of the severity of opiate dependence in a British sample. Severity of Alcohol Dependence Questionnaire. Phillips GT, et al. **Br J Addict** 1987 Jun;82(6):691–9
Psychometric prediction of psychogeriatric day care outcome. Bell JS, et al. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):195–200
Performance of normal adults on the Matching Familiar Figures Test. van den Broek MD, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):71–2
The scientific status of the DMT. Kline P. **Br J Med Psychol** 1987 Mar;60 (Pt 1):53–9
The SOMA—a questionnaire measure of sexual anxiety. Patterson DG, et al. **Br J Psychiatry** 1986 Jul;149:63–7
Development of scales to measure treatment attitudes in psychiatry. Wilkinson G, et al. **Br J Psychiatry** 1986 May; 148:581–6
Use of the general health questionnaire in clinical work [editorial] Goldberg D. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1188–9
Action language in the psychological test report. Harty MK. **Bull Menninger Clin** 1986 Sep;50(5):456–63
Perception of parental acceptance and rejection among Swedish university students. Kitahara M. **Child Abuse Negl** 1987;11(2):223–7
Developmental assessment: 18 months to 4 1/2 years. Performance tests. Egan DF, et al. **Child Care Health Dev** 1986 Sep–Oct;12(5):339–49
Lack of agreement between two questionnaires that evaluate the severity of the alcohol dependence syndrome. Jorge MR, et al. **Drug Alcohol Depend** 1986 Dec;18(4):355–60
Screening depression in primary care: back to the basics with a new tool. Davis TC, et al. **Fam Med** 1987 May–Jun; 19(3):200–2
Resident physicians in family practice: who's burned out and who knows? Purdy RR, et al. **Fam Med** 1987 May–Jun; 19(3):203–8
An existential/dialectical model for analyzing marital functioning and interaction. Charny IW. **Fam Process** 1986 Dec;25(4):571–89
Circumplex Model VII: validation studies and FACES III. Olson DH. **Fam Process** 1986 Sep;25(3):337–51
Assessing depression in prepubertal children. Weller EB, et al. **Hillside J Clin Psychiatry** 1986;8(2):193–201
The use of self-rating scales in cross-cultural psychiatry. Kinzie JD, et al. **Hosp Community Psychiatry** 1987 Feb; 38(2):190–6
Issues surrounding psychological testing of minority patients. Williams CL. **Hosp Community Psychiatry** 1987 Feb; 38(2):184–9
Psychological testing of patients in pain. Covino NA, et al. **Hosp Pract [Off]** 1987 Jun 15;22(6):39–41, 44, 46 passim
Normative and psychometric characteristics of a Polish version of the Creative Imagination Scale. Siuta J. **Int J Clin Exp Hypn** 1987 Jan;35(1):51–8
Preliminary findings on a new instrument to measure cohesion in group psychotherapy. Budman SH, et al. **Int J Group Psychother** 1987 Jan;37(1):75–94
Clinical application of research instruments: editor's introduction. Dies RR. **Int J Group Psychother** 1987 Jan; 37(1):31–7
The General Handicapped Attitude Scale (GHAS): a construct validation study. Bermond B. **Int J Rehabil Res** 1987;10(1):49–54
The Newcastle Anxiety Depression Diagnostic Index in relationship to the effects of monoamine oxidase inhibitors and tricyclic antidepressants. Davidson J, et al. **J Affective Disord** 1986 Jul–Aug;11(1):51–8
Use of the Child Behavior Checklist as a screening instrument for epidemiological research in child psychiatry: results of a pilot study. Bird HR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):207–13
Global assessment of child psychopathology. Steinhausen HC. **J Am Acad Child Adolesc Psychiatry** 1987 Mar; 26(2):203–6
Social deficits in autism: an operational approach using the Vineland Adaptive Behavior Scales. Volkmar FR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):156–61
"Studying" for the Mini-Mental Status Exam [letter]Keating HJ 3d. **J Am Geriatr Soc** 1987 Jun;35(6):594–5
Toward objective classification of childhood autism: Childhood Autism Rating Scale (CARS). Schopler E, et al. **J Autism Dev Disord** 1980 Mar;10(1):91–103
The Child Assessment Schedule: parent–child agreement and validity measures. Verhulst FC, et al. **J Child Psychol Psychiatry** 1987 May;28(3):455–66
Do tests help in teaching? Ysseldyke JE. **J Child Psychol Psychiatry** 1987 Jan;28(1):21–4
A brief POMS measure of distress for cancer patients. Cella DF, et al. **J Chronic Dis** 1987;40(10):939–42
Tests of cognition and their relationship to psychiatric diagnosis and demographic variables. Rosen AM, et al. **J Clin Psychiatry** 1986 Oct;47(10):495–8
A scale for the assessment of object relations: reliability, validity, and factorial invariance. Bell M, et al. **J Clin Psychol** 1986 Sep;42(5):733–41
Age and sex differences in the responses of alcoholics to the Self-Administered Alcoholism Screening Test. Davis LJ Jr, et al. **J Clin Psychol** 1987 May;43(3):423–30
Use of T scores on the revised child behavior profile with inpatients. Harris FN, et al. **J Clin Psychol** 1987 Jul; 43(4):376–9
Factor analysis of the Adolescent Reinforcement Survey Schedule (ARSS) with college freshmen. Holmes GR, et al. **J Clin Psychol** 1987 Jul;43(4):386–90
Age and regional differences in reliability and factor structure of the Zung Self-rating Scale in elderly Finnish men. Kivelä SL, et al. **J Clin Psychol** 1987 May;43(3):318–27
A parent form of the Children's Depression Inventory: reliability and validity in nonclinical populations. Wierzbicki M. **J Clin Psychol** 1987 Jul;43(4):390–7
Development of the Crisis Call Outcome Rating Scale. Bonneson ME, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):612–4
Utility of confirmatory factor analysis in test validation research. Cole DA. **J Consult Clin Psychol** 1987 Aug; 55(4):584–94
Assessment of major and daily stressful events during adolescence: the Adolescent Perceived Events Scale. Compas BE, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):534–41
Primary therapist response modes: comparison of six rating systems. Elliott R, et al. **J Consult Clin Psychol** 1987 Apr; 55(2):218–23
Comparison of marital observational measures: the Marital Interaction Coding System and the Communication Skills Test. Floyd FJ, et al. **J Consult Clin Psychol** 1987 Jun; 55(3):423–9
Validity of Millon's computerized interpretation system for the MCMI: a controlled study. Moreland KL, et al. **J Consult Clin Psychol** 1987 Feb;55(1):113–4
Assessing the severity of posttraumatic stress disorder: relation between dichotomous and continuous measures. Weisenberg M, et al. **J Consult Clin Psychol** 1987 Jun; 55(3):432–4
Replication and extension of the Teacher Self-Control Rating Scale. Work WC, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):115–6
Premenstrual Assessment Form typological categories: classification of self-defined premenstrually symptomatic and asymptomatic women. Youdale JV, et al. **J Consult Clin Psychol** 1987 Jun;55(3):418–22
The Inventory to Diagnose Depression (IDD): a self-report scale to diagnose major depressive disorder. Zimmerman M, et al. **J Consult Clin Psychol** 1987 Feb;55(1):55–9
Implications of recent advances in neonatal and infant behavioral assessment. Drotar D. **J Dev Behav Pediatr** 1987 Feb;8(1):51–3
Advances in neonatal and infant behavioral assessment: toward a comprehensive evaluation of early patterns of development. Gorski PA, et al. **J Dev Behav Pediatr** 1987 Feb;8(1):39–50 (132 ref.)
Developmental screening using parent report. Kenny TJ, et al. **J Dev Behav Pediatr** 1987 Feb;8(1):8–11
The Minnesota Child Development Inventory: a valid maternal-report form for assessing development in infancy. Saylor CF, et al. **J Dev Behav Pediatr** 1986 Oct;7(5):308–13
Variable-ratio schedules as variable-interval schedules with linear feedback loops. McDowell JJ, et al. **J Exp Anal Behav** 1986 Nov;46(3):315–29
Validity of two psychological screening measures in family practice: Personal Inventory and Family APGAR. Hilliard R, et al. **J Fam Pract** 1986 Oct;23(4):345–9
The use of the family APGAR in screening for family dysfunction in a family practice center. Mengel M. **J Fam Pract** 1987 Apr;24(4):394–8
Temporal lobe epileptic signs and correlative behaviors displayed by normal populations. Persinger MA, et al. **J Gen Psychol** 1987 Apr;114(2):179–95
Informed consent: II. Withdrawal-without-prejudice clauses may increase no-shows. Trice AD, et al. **J Gen Psychol** 1986 Jul;113(3):285–7
Cautiousness and visual selective attention performance among older adults. Rush MC, et al. **J Genet Psychol** 1987 Jun;148(2):225–35
Wisconsin Card Sort Test performance in a healthy elderly population. Haaland KY, et al. **J Gerontol** 1987 May; 42(3):345–6
The stability of psychometric performance during the International Biomedical Expedition to the Antarctic (IBEA). Defayolle M, et al. **J Human Stress** 1985 Winter; 11(4):157–60
A multi-modal questionnaire for stress. Lefebvre RC, et al. **J Human Stress** 1985 Summer;11(2):69–75
Psychiatric interviews and psychological tests as predictors of medical students' success. Aldrich CK. **J Med Educ** 1987 Aug;62(8):658–64
Treatment outcome of obstructive sleep apnea. Physiological and neuropsychological concomitants. Klonoff H, et al. **J Nerv Ment Dis** 1987 Apr;175(4):208–12
Learning impairment in alcoholics using an ecologically relevant test. Schaeffer KW, et al. **J Nerv Ment Dis** 1987 Apr;175(4):213–8
Children of birth weight less than 1000 g: changing outcome between ages 2 and 5 years. Kitchen WH, et al. **J Pediatr** 1987 Feb;110(2):283–8
Denver Developmental Screening Test norms: a cross-cultural comparison. Williams PD, et al. **J Pediatr Psychol** 1987 Mar;12(1):39–59
Home cage pretreatment with diazepam: effects on subsequent conflict testing and rotorod assessment. Bennett DA, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):595–9
Construct validity of the Kendrick Battery with institutionalized aged. Fish M, et al. **J Psychol** 1986 Jul; 120(4):335–43
The accuracy of dating childhood life events on a parental questionnaire. Bailey D, et al. **J Psychosom Res** 1986; 30(6):655–62
The factor structure of the Cognitive-Somatic Anxiety Questionnaire. Crits-Christoph P. **J Psychosom Res** 1986; 30(6):685–90
Psychological testing as an auxiliary means of selecting successful college and professional football players. Daus AT, et al. **J Sports Med Phys Fitness** 1986 Sep;26(3):274–8
The Missouri Alcoholism Severity Scale: relationship with type of alcohol consumption. Evenson RC. **J Stud Alcohol** 1986 Sep;47(5):381–3
Agreement between two measures of alcohol consumption. Redman S, et al. **J Stud Alcohol** 1987 Mar;48(2):104–8
Selecting measurement instruments. Haller KB. **MCN** 1986 Nov–Dec;11(6):438
Medical Communication Behavior System. An interactional analysis system for medical interactions. Wolraich ML, et al. **Med Care** 1986 Oct;24(10):891–903
Isopropyl substitution on barbiturate ring: effects on 'open field' and 'hole board' behaviour and on biogenic amines concentrations in discrete regions of the rat brain after acute and chronic administration. Ménez JF, et al. **Neuropsychobiology** 1986;15(2):95–100
An instrument for the measurement of infant–adult synchrony. Censullo M, et al. **Nurs Res** 1987 Jul–Aug; 36(4):244–8
Determination and quantification of content validity. Lynn MR. **Nurs Res** 1986 Nov–Dec;35(6):382–5
The Health-Promoting Lifestyle Profile: development and psychometric characteristics. Walker SN, et al. **Nurs Res** 1987 Mar–Apr;36(2):76–81
A social support measure: PRQ85. Weinert C. **Nurs Res** 1987 Sep–Oct;36(5):273–7
The prevalence of depression in women in an ambulatory care setting. Dreyfus JK. **Nurse Pract** 1987 Apr;12(4):34–7, 40, 45, passim
Sensitivity of the Denver Developmental Screening Test in speech and language screening. Borowitz KC, et al. **Pediatrics** 1986 Dec;78(6):1075–8
Selective screening device for the early detection of normal or delayed cognitive development in infants at risk for later mental retardation. Fagan JF 3d, et al. **Pediatrics** 1986 Dec; 78(6):1021–6
Responses of emotionally disturbed children to PPVT-R items of human versus nonhuman content: extension of Shipe, Cromwell, and Dunn. Atlas JA. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):863–6
Development of a new spatial test. Eliot J, et al. **Percept Mot Skills** 1987 Apr;64(2):479–83
Relation of scores on the Open Middle Test to self-control and academic achievement of inner-city fourth-grade children. Elkind MA, et al. **Percept Mot Skills** 1987 Feb; 64(1):87–93
Construct validity of the Children's Embedded Figures Test. Glynn MA, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1035–8
Stability over age and sex of children's responses to embedded figures test. Hardy RC, et al. **Percept Mot Skills** 1987 Apr;64(2):399–406
Factor structure of shortened Children's Embedded Figures Test for different age groups. Hardy RC, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):479–86
Occupational stress and behavioral change. MacMillan JS, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):161–2
Is the matching familiar figures test a measure of cognitive style? A warning for users. Solís-Cámara P, et al. **Percept Mot Skills** 1987 Feb;64(1):59–74
Evaluating adolescents' popularity with the Draw-a-Friend Test. Svec HJ, et al. **Percept Mot Skills** 1987 Feb;64(1):326
The reliability and validity of PSE assessments by lay interviewers: a national population survey. Rodgers B, et al. **Psychol Med** 1986 Aug;16(3):689–700

Assessment schedules for chronic psychiatric patients. Sturt E, et al. **Psychol Med** 1987 May;17(2):485–93

Sex biases in mental health scales: do women tend to report less serious symptoms and confide more than men? Tousignant M, et al. **Psychol Med** 1987 Feb;17(1):203–15

Comparison of scores of hearing-impaired children on the Vineland Adaptive Behavior Scales and the Vineland Social Maturity Scale. Altepeter T, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):635–9

Specific and diversive curiosity in mentally retarded adults. Beer J, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):846

Self-report measure of depression in college students. Brannan JR, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):761–2

Empathy scores of nurses, psychiatrists and hospital administrators on the California Psychological Inventory. Brown NW, et al. **Psychol Rep** 1987 Feb;60(1):295–300

Relationship between proverb familiarity and proverb interpretation: implications for clinical practice. Cunningham DM, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):895–8

Comparison of two depression inventories: an examination of construct validity. Frazier SE. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1219–22

Psychometric properties of the Hardy Divorce Scale. Ganong LH, et al. **Psychol Rep** 1987 Apr;60(2):531–6

Factor structure of the Death Concern Scale: a replication. Hammer SC, et al. **Psychol Rep** 1987 Feb;60(1):199–202

Dimensionality of the short form of the Beck Depression Inventory: a study with Iranian college students. Hojat M, et al. **Psychol Rep** 1986 Dec;59(3):1069–70

Testing loneliness on the differential Loneliness Scale. Kalliopuska M, et al. **Psychol Rep** 1987 Feb;60(1):15–8

Exploration of effects of divorce on the Preschool HOME Inventory. Karr SK, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):659–62

Rimon's Brief Depression Scale, a rapid method for screening depression. Keltikangas-Järvinen L, et al. **Psychol Rep** 1987 Feb;60(1):111–9

Sex and age differences of factor pattern and reliability of the Zung Self-rating Depression Scale in a Finnish elderly population. Kivelä SL, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):587–97

Utility of the modified Health Belief Model in predicting compliance with treatment by adult patients with advanced cancer. Newell SM, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):783–91

Progression of symptoms in women alcoholics: comparison of Jellinek's model with two groups. Piazza NJ, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):367–70

Effect of marital discord on parental reports on the Child Behavior Checklist. Rosenberg LA, et al. **Psychol Rep** 1986 Dec;59(3):1255–9

Long-term stability of the Rational Behavior Inventory and the General Health Questionnaire. Sanderman R, et al. **Psychol Rep** 1987 Apr;60(2):637–8

Nonstandard standard scores on the new Vineland: a rejoinder to Cicchetti and Sparrow. Silverstein AB. **Psychol Rep** 1987 Apr;60(2):376–8

Use of the Proverbs Test in the assessment of competency to stand trial. Simon MJ. **Psychol Rep** 1987 Jun;60(3 Pt 2):1166

Relation between parent-rated adaptive behavior and school ratings of students referred for evaluation as educable mentally retarded. Soyster HD, et al. **Psychol Rep** 1987 Feb;60(1):271–7

Measuring resistance to hypnosis and its relationship to hypnotic susceptibility. Spanos NP, et al. **Psychol Rep** 1987 Feb;60(1):67–70

Effects of two hypnotic induction procedures on overt and subjective response to two measures of hypnotic susceptibility. Spanos NP, et al. **Psychol Rep** 1986 Dec; 59(3):1227–30

An informal look at farm stress. Walker JL, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):427–30

The use of lie scales in psychometric measures of children. Brown MS, et al. **Res Nurs Health** 1987 Apr;10(2):87–92

The derivation and validation of six Multidimensional Health Locus of Control Scale clusters. Rock DL, et al. **Res Nurs Health** 1987 Jun;10(3):185–95

The religious medical model: holy medicine and the Spiritual Behavior Inventory. Braverman ER. **South Med J** 1987 Apr;80(4):415–20, 425

[Can organic and functional abdominal complaints be distinguished on the basis of the anamnesis and psychological examination?] Bleijenberg G, et al. **Ned Tijdschr Geneeskd** 1987 Feb 14;131(7):273–8 (Eng. Abstr.) **(Dut)**

[High-risk suicide attempts: intent and severity] Pedinielli JL, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):539–44 (Eng. Abstr.) **(Fre)**

[Scales, factor analysis and subscales of the French-language AMDP system] Troisfontaines B, et al. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):23–60 (Eng. Abstr.) **(Fre)**

[Study of the E. A. T., a self-evaluation case in anorexia in a control population and in a sample of anorectics] Garrot G, et al. **Ann Med Psychol (Paris)** 1987 Mar; 145(3):258–64 **(Fre)**

[Validation and factor analysis of a phobia scale. The French version of the Marks-Mathews fear questionnaire] Cottraux J, et al. **Encephale** 1987 Jan–Feb;13(1):23–9 (Eng. Abstr.) **(Fre)**

[Validation of HARD (Hamilton depression rating scale) a diagram of the evaluation of depression by MADRS (Montgomery-Asberg depression rating scale) Multicentric study of mianserin] Ferreri M, et al. **Encephale** 1986 Nov–Dec;12(6):343–50 (Eng. Abstr.) **(Fre)**

[A four-field approach for improving examination conditions in the psychological evaluation of fitness for driving] Comes FA. **Blutalkohol** 1986 Nov;23(6):394–9 (Eng. Abstr.) **(Ger)**

[Sources of error in psychological evaluation for automobile driving fitness] Kürti K. **Blutalkohol** 1986 Nov;23(6):381–93 (Eng. Abstr.) **(Ger)**

[Effect of lecithin on memory performance. Evaluating the validity of a learning and memory test (LGT-3) in 45 to 55-year-old patients] Sorgatz H. **Fortschr Med** 1986 Sep 11;104(34):643–6 (Eng. Abstr.) **(Ger)**

[Psychosomatic aspects of parent-child relations in atopic eczema in childhood. I. Psychodiagnostic test procedures in parents and children in comparison with somatic findings] Ring J, et al. **Hautarzt** 1986 Oct;37(10):560–7 (Eng. Abstr.) **(Ger)**

[Report of experiences using the developmental diagnosis in early childhood and in preschool children] Graul J. **Padiatr Grenzgeb** 1986;25(5):453–7 (Eng. Abstr.) **(Ger)**

[Biographic diagnosis—a critical review] Guthke J. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):561–71 (Eng. Abstr.) **(Ger)**

[Experiences with the Berlin Procedure for the Diagnosis of Neuroses-Self-Evaluation in symptom oriented detection of markers in the diagnosis of neuroses] Hänsgen KD. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jul; 38(7):404–10 (Eng. Abstr.) **(Ger)**

[Psychometric detection of depressive mood conditions] Regel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr;39(4):216–23 (Eng. Abstr.) **(Ger)**

[Diagnosis of borderline disorders: assessment of the reliability of the Diagnostic Interview for Borderline disorders] Eckert J, et al. **Psychother Psychosom Med Psychol** 1987 Feb;37(2):68–74 (Eng. Abstr.) **(Ger)**

[Diagnostic test assessment of defense structures in patients with anxiety neuroses, paranoid syndromes and cancers. A study using the Defense Mechanism Inventory (DMI) and Holtzman Inkblot Technic] Hoffmann SO, et al. **Psychother Psychosom Med Psychol** 1987 Mar–Apr; 37(3–4):97–104 (Eng. Abstr.) **(Ger)**

[German reconstruction and validation of the Menstrual Attitude Questionnaire] Strauss B, et al. **Psychother Psychosom Med Psychol** 1987 May;37(5):175–82 (Eng. Abstr.) **(Ger)**

[Effect of psychotropic drugs on information processing] Fisch HU. **Schweiz Arch Neurol Psychiatr** 1986; 137(5):111–20 (Eng. Abstr.) **(Ger)**

[The "Medical-Psychologic Questionnaire for Heart Patients": a study of the assessment of the validity of a study instrument for psychological health of patients following myocardial infarct] Eder A, et al. **Wien Med Wochenschr** 1987 Jun 15;137(10–11):231–4 (Eng. Abstr.) **(Ger)**

[Therapy of functional sexual disorders—a pilot study using the Lo Piccolo Sexual Interaction Inventory (SII)] Drunkenmölle C. **Z Arztl Fortbild (Jena)** 1987;81(3):133–4 **(Ger)**

[Hypochondriasis and hysteria as psychodiagnostic categories] Süllwold F. **Z Exp Angew Psychol** 1987; 34(3):453–73 (Eng. Abstr.) **(Ger)**

[Training-induced changes in performance self concept and cognitive abilities in the aged] Dittmann-Kohli F. **Z Gerontol** 1986 Sep–Oct;19(5):309–22 (Eng. Abstr.) **(Ger)**

[Effect of time of day related mood changes on psychological performance] Steck P, et al. **Z Klin Psychol Psychopathol Psychother** 1986;34(2):119–26 (Eng. Abstr.) **(Ger)**

[Differentiation of colitis and Crohn disease patients based on psychosocial variables] Ahrens S, et al. **Z Psychosom Med Psychoanal** 1986;32(4):301–15 (Eng. Abstr.) **(Ger)**

[Configuration frequency analyses of psychiatric symptoms in climacteric females] Enzelsberger H. **Zentralbl Gynakol** 1987;109(5):289–94 (Eng. Abstr.) **(Ger)**

[Use of mental tests at a headache center] Puca FM, et al. **Minerva Med** 1987 Jul 31;78(14):1021–2 **(Ita)**

[Cardiosurgical intervention in extracorporeal circulation and intellectual performance in childhood. Study and follow-up of 20 cases] Cracco A, et al. **Pediatr Med Chir** 1986 Mar–Apr;8(2):175–83 (Eng. Abstr.) **(Ita)**

[Experimental correlations between the clinical symptoms of depression and test items] Cosmovici N, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):137–41 (Eng. Abstr.) **(Rum)**

[Sensitivity to the psycho-emotional test and the characteristics of the psychological status of ischemic heart disease patients] Shubina TI, et al. **Kardiologiia** 1987 Jun; 27(6):87–90 (Eng. Abstr.) **(Rus)**

[A method of diagnosing disorders of purposeful activity] Moskvin VA. **Vrach Delo** 1987 Apr;(4):103–6 (Eng. Abstr.) **(Rus)**

[Psychologic findings in foundry workers after long-term exposure to manganese] Sútorová D, et al. **Cesk Neurol Neurochir** 1986 Jul;49(4):236–41 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Calculating reliability measures for ordinal data. Gamsu CV. **Br J Clin Psychol** 1986 Nov;25 (Pt 4):307–8

The microcomputerized Diagnostic Interview Schedule: clinical use in an out-patient setting. Wyndowe J. **Can J Psychiatry** 1987 Mar;32(2):93–9

A study of sex differences in cognitive impairment in alcoholics using traditional and computer-based tests. Crawford S, et al. **Drug Alcohol Depend** 1986 Dec; 18(4):369–75

Computerized clinical practice: promises and shortcomings. Murphy JW, et al. **Psychol Rep** 1986 Dec;59(3):1099–113

[Study instrument for psychopathology in computer-assisted analysis of findings (Structured Psychopathologic Detection System)] Hempel HD, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):464–73 (Eng. Abstr.) **(Ger)**

[A test system for evaluating touch perception in fitness studies] Müller J. **Z Arztl Fortbild (Jena)** 1986;80(20):861–2 **(Ger)**

METHODS

Screening for alcohol abuse using the CAGE questionnaire [letter] Freiman J. **Am J Med** 1987 Aug;83(2):366

The quality of life: design and evaluation of a self-assessment instrument for use with cancer patients. Holmes S, et al. **Int J Nurs Stud** 1987;24(1):15–24

Developmental assessment: caveats and a cry for quality control [editorial] Aylward GP. **J Pediatr** 1987 Feb; 110(2):253–4

Perceived-Benefit-of-Drinking Scale: approach to screening for adolescent alcohol abuse. Petchers MK, et al. **J Pediatr** 1987 Jun;110(6):977–81

[The effects of psychological stress upon attention indicated by MFF test: an analysis based on heart rate and state anxiety] Nagane M. **Shinrigaku Kenkyu** 1987 Feb; 57(6):383–6 (Eng. Abstr.) **(Jpn)**

[Evaluation of the clinical effectiveness of mianserin by psychological testing (the Hamilton scale)] Chiriță V, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar; 90(1):131–6 (Eng. Abstr.) **(Rum)**

STANDARDS

The life satisfaction index—well-being: its internal reliability and factorial composition. James O, et al. **Br J Psychiatry** 1986 Nov;149:647–50

Social desirability in measures of subjective well-being: a systematic evaluation. Kozma A, et al. **J Gerontol** 1987 Jan;42(1):56–9

A critical review of DSM-III in the developmental disorder of childhood. Hoshino Y, et al. **Jpn J Psychiatry Neurol** 1986 Mar;40(1):13–23

Instrumentation to describe subjective sleep characteristics in healthy subjects. Snyder-Halpern R, et al. **Res Nurs Health** 1987 Jun;10(3):155–63

PSYCHOLOGICAL THEORY

A developmental perspective on behavioral determinants. Vinter A. **Acta Psychol (Amst)** 1986 Dec;63(1–3):337–49

Problem behavior theory and adolescent alcohol use. Hays RD, et al. **Addict Behav** 1987;12(2):189–93

Piaget, attentional capacity, and the functional implications of formal structure. Chapman M. **Adv Child Dev Behav** 1987;20:289–334

Theoretical notions of intelligence and mental retardation. Detterman DK. **Am J Ment Defic** 1987 Jul;92(1):2–11

Levels of emotional awareness: a cognitive-developmental theory and its application to psychopathology [published erratum appears in Am J Psychiatry 1987 Apr;144(4):542] Lane RD, et al. **Am J Psychiatry** 1987 Feb;144(2):133–43

Current dynamic thinking regarding the diagnosis of the borderline patient. Goldstein WN. **Am J Psychother** 1987 Jan;41(1):4–22

Psychological theory and the study of learning disabilities. Brown AL, et al. **Am Psychol** 1986 Oct;41(10):1059–68

Psychosocial theories of aging: a critical evaluation. Burbank PM. **ANS** 1986 Oct;9(1):73–86

An empirical test of Maslow's theory of need hierarchy using hologeistic comparison by statistical sampling. Davis-Sharts J. **ANS** 1986 Oct;9(1):58–72

The dependence syndrome concept as a psychological theory of relapse behaviour: an empirical evaluation of alcoholic and opiate addicts. Babor TF, et al. **Br J Addict** 1987 Apr; 82(4):393–405

Problem-behavior theory, psychosocial development, and adolescent problem drinking. Jessor R. **Br J Addict** 1987 Apr;82(4):331–42

Relative deprivation theory and responses to discrimination in a gay male and lesbian sample. Birt CM, et al. **Br J Soc Psychol** 1987 Jun;26 (Pt 2):139–45

Bowen Family Systems theory and psychoanalysis—echo or metamorphosis? Novotny PC. **Bull Menninger Clin** 1987 Jul;51(4):323–37

Roundtable: what is temperament? Four approaches. Goldsmith HH, et al. **Child Dev** 1987 Apr;58(2):505–29

The problem of gender in family therapy theory. Hare-Mustin RT. **Fam Process** 1987 Mar;26(1):15–33

Maturation and development: some conceptual issues.

Connolly KJ. **Ital J Neurol Sci** 1986 Apr;Suppl 5:13–24
The experience of suffering: conceptual clarification and theoretical definition. **Kahn DL, et al. J Adv Nurs** 1986 Nov;11(6):623–31
The human needs model of nursing. Minshull J, et al. **J Adv Nurs** 1986 Nov;11(6):643–9
Autism and Piaget's theory: are the two compatible? Morgan SB. **J Autism Dev Disord** 1986 Dec;16(4):441–57
Back to the theories: another way to view mothers of prematures. Sims-Jones N. **MCN** 1986 Nov–Dec; 11(6):394–7
An instrument to diagnose personality types according to the personality theory of Shoham. Shoham SG, et al. **Med Law** 1987;6(4):353–72
Rational-emotive therapy: an excellent counseling theory for NPs. Ellis A, et al. **Nurse Pract** 1987 Jul;12(7):16–21, 24, 29–32 passim
[On the nature of mixed states] Bieder J, et al. **Ann Med Psychol (Paris)** 1987 Jan;145(1):39–41 **(Fre)**
[Distress and anxiety in the psychopathology of Pierre Janet] Fouks L, et al. **Ann Med Psychol (Paris)** 1986 May; 144(5):461–71 (Eng. Abstr.) **(Fre)**
[An outline of scientific psychosomatics] Villard HP. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):143–9 (Eng. Abstr.) **(Fre)**
[Crisis: a concept the psychiatry of today can't do without] Andreoli A. **Rev Med Suisse Romande** 1986 Dec; 106(12):1109–14 **(Fre)**
[Representativity as a criterion of psychological research] Moser K. **Arch Psychol (Frankf)** 1986;138(3):139–51 (Eng. Abstr.) **(Ger)**
[A holistic classification scheme based on gestalt concepts, human ethology, systems theory and psychoanalysis] Müssig R. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov–Dec;35(8):283–94 (Eng. Abstr.) **(Ger)**
[Projection or development—a conflict of semantics or chance for a new paradigmatic orientation in personality diagnosis (with an example based on the TAT)] Seifert W. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):335–50 **(Ger)**
[Symbolic function and dysfunction] Montanari M, et al. **Minerva Psichiatr** 1986 Oct–Dec;27(4):307–9 (Eng. Abstr.) **(Ita)**
[Sociopsychological, sociological and philosophical aspects of psychiatric theory and practice] Buzek B, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;114:375–81 **(Rus)**
[Theoretical conceptions of I. S. Beritashvili on the physiology of higher nervous activity] Bakuradze AN. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):830–9 **(Rus)**
[The paradigms of psychology (editorial)] Usandivaras RJ. **Medicina (B Aires)** 1986;46(2):239–42 **(Spa)**

PSYCHOLOGY

Diagnostic overshadowing among school psychologists working with hearing-impaired learners. Goldsmith L, et al. **Am Ann Deaf** 1986 Oct;131(4):288–93
Veterans Administration psychology. A professional challenge for the 1980s. West PR, et al. **Am Psychol** 1986 Sep;41(9):996–1000
Psychiatry and psychology: the wall [letter] Kingsbury SJ. **Arch Gen Psychiatry** 1987 Apr;44(4):391–2
Hidden reserves and human potentials: Soviet and American perspectives. Krippner S. **Int J Psychosom** 1986;33(4):34–9
A survey of psychologists' perspectives on catharsis. Biaggio MK. **J Psychol** 1987 May;121(3):243–8
The experience of loss in athletes. Astle SJ. **J Sports Med Phys Fitness** 1986 Sep;26(3):279–84
Referral of asthmatics to a psychologist [letter] Taylor GH, et al. **NZ Med J** 1986 Dec 10;99(815):960–1
Toward a universal law of generalization for psychological science. Shepard RN. **Science** 1987 Sep 11; 237(4820):1317–23
[Psychology in soccer: types of interventions] Bizzini L. **Schweiz Z Sportmed** 1986 Sep;34(3):131–3 **(Fre)**

EDUCATION

Self-regulation in an undergraduate psychology course: results from a performance examination. Buckalew MW Jr, et al. **Biofeedback Self Regul** 1986 Dec;11(4):321–8
A curriculum in sport psychology in a family medicine residency program. Asken MJ. **Fam Med** 1986 Jan–Feb; 18(1):23–4
Use of a medical 'schema' in facilitating access to understanding in psychology. Clarke A, et al. **Med Educ** 1986 Sep;20(5):410–6
[Psychological training for medical practice—goals, methods and selected results] Krüger T. **Z Arztl Fortbild (Jena)** 1986; 80(22):951–4 **(Ger)**

HISTORY

Psychobiology and developmental psychology: the influence of T. C. Schneirla on human developmental psychology. Turkewitz G. **Dev Psychobiol** 1987 Jul;20(4):369–75
German psychological journals under National Socialism: a history of contrasting paths. Wohlwill JF. **J Hist Behav Sci** 1987 Apr;23(2):169–85
[Psychiatric aspects in the work of French moralists] Brejcha J. **Cesk Psychiatr** 1986 Aug;82(3–4):260–3 (Eng. Abstr.) **(Cze)**

INSTRUMENTATION

An improved chamber for the observation and analysis of the sexual behavior of the female rat. Mendelson SD, et al. **Physiol Behav** 1987;39(1):67–71

PSYCHOLOGY, CLINICAL

Cognitive differences between clinical psychologists and psychiatrists. Kingsbury SJ. **Am Psychol** 1987 Feb; 42(2):152–6
Differences in psychologists' ratings of older and younger clients. Ray DC, et al. **Gerontologist** 1987 Feb;27(1):82–6
Self-change of psychological distress: laypersons' vs. psychologists' coping strategies. Norcross JC, et al. **J Clin Psychol** 1986 Sep;42(5):834–40
Mutual relevance of mainstream and cross-cultural psychology. Clark LA. **J Consult Clin Psychol** 1987 Aug; 55(4):461–70
Clinical and statistical prediction: a retrospective and would-be integrative perspective. Holt RR. **J Pers Assess** 1986 Fall;50(3):376–86
Aviation clinical psychology. Parker JB. **Milit Med** 1987 Jul; 152(7):348–50
Relationship of burnout among professional psychologists to professional expectations and social support. Kahill S. **Psychol Rep** 1986 Dec;59(3):1043–51
Peer review in psychology: institutional ranking as a factor. McIntosh EG, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1049–50
Psychologists' attitudes toward children having various disabilities. Tolor A, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1177–8
[Status and functions of the unit psychologist at the psychiatric hospital] Heim G. **Z Klin Psychol Psychopathol Psychother** 1986;34(3):261–70 **(Ger)**

EDUCATION

Psychology in the Veterans Administration: a storied history, a vital future. Cranston A. **Am Psychol** 1986 Sep; 41(9):990–5
Training clinical psychology students in aging. Gatz M, et al. **Gerontol Geriatr Educ** 1985–86 Winter;6(2):15–25
Multidisciplinary training in the College Mental Health Service. Pinkerton RS, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):656–61
A cooperative venture: preparing minorities for careers in clinical psychology, dental hygiene, and medical technology. Sanchez-Hucles J, et al. **J Allied Health** 1987 May;16(2):147–54
Apprenticeship clinical training in academia. Potash HM, et al. **J Clin Psychol** 1987 May;43(3):431–4
Clinical education, training, and accountability. Zimet C. **J Clin Psychol** 1987 May;43(3):435–41

MANPOWER

Clinical psychology and general practice: a four year review. Espie CA, et al. **Health Bull (Edinb)** 1986 Sep;44(5):266–73

METHODS

Prediction and clinical inference: forty years later. Sarbin TR. **J Pers Assess** 1986 Fall;50(3):362–9

TRENDS

Psychoanalysis and psychology. Fine R. **Psychol Rep** 1986 Oct;59(2 Pt 2):695–708
Clinical psychology in a new context. Frank G. **Psychol Rep** 1987 Feb;60(1):3–8
[20 years' gerontopsychology in Germany—retrospect and prospects] Lehr U. **Z Gerontol** 1986 Sep–Oct;19(5):292–9 **(Ger)**

PSYCHOLOGY, CRIMINAL see **CRIMINAL PSYCHOLOGY**

PSYCHOLOGY, EXPERIMENTAL

INSTRUMENTATION

A novel, adaptable and inexpensive computerized activity meter. Kulmala HK, et al. **Brain Res Bull** 1987 May; 18(5):669–72

METHODS

Measurement of cognitive abilities in senescent animals. Sarter M. **Int J Neurosci** 1987 Feb;32(3–4):765–74 (86 ref.)
Generalizing over conditions by combining the multitrait-multimethod matrix and the representative design of experiments. Hammond KR, et al. **Psychol Bull** 1986 Sep;100(2):257–69

TRENDS

Forty years of experimental psychology in relation to age: retrospect and prospect. Welford AT. **Exp Gerontol** 1986; 21(4–5):469–81 (80 ref.)

PSYCHOLOGY, MEDICAL

[The role and goals of a psychologist in the examination and treatment of cancer patients] Donskaia LV, et al. **Vopr Onkol** 1986;32(10):90–8 **(Rus)**

TRENDS

The progress and prospects of health psychology: tasks of a maturing discipline. Taylor SE. **Health Psychol** 1987; 6(1):73–87

PSYCHOLOGY, MILITARY

Psychiatric aspects of nuclear war. Richter HE. **Prev Med** 1987 May;16(3):334–41
[Methodological bases for the psychological job selection of military specialists] Kulagin BV. **Voen Med Zh** 1986 Oct; (10):13–6 **(Rus)**

PSYCHOLOGY, PASTORAL see **PASTORAL CARE**

PSYCHOLOGY, PHYSIOLOGICAL see **PSYCHOPHYSIOLOGY**

PSYCHOLOGY, SCHIZOPHRENIC see **SCHIZOPHRENIC PSYCHOLOGY**

PSYCHOLOGY, SOCIAL

see related
RACE RELATIONS

The moderator–mediator variable distinction in social psychological research: conceptual, strategic, and statistical considerations. Baron RM, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1173–82

TRENDS

Terms of empowerment/exemplars of prevention: toward a theory for community psychology. Rappaport J. **Am J Community Psychol** 1987 Apr;15(2):121–48

PSYCHOMETRICS

Study of metabolism of psychotomimetic indolealkylamines by rat tissue extracts using liquid chromatography. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1503–8
[Statistical evaluation of a new depression scale: the relational scale] Ohayon M, et al. **Ann Med Psychol (Paris)** 1986 Apr; 144(4):407–22 **(Fre)**
[Psychoanalysis and psychometric evaluation] Brun D. **Bull Cancer (Paris)** 1986;73(6):713–5 (Eng. Abstr.) **(Fre)**

METHODS

Methodological issues in detecting specific long-term consequences of perinatal drug exposure. Strauss ME, et al. **Neurobehav Toxicol Teratol** 1986 Jul–Aug;8(4):369–73 (22 ref.)

STANDARDS

[Scales, factor analysis and subscales of the French-language AMDP system] Troisfontaines B, et al. **Acta Psychiatr Belg** 1987 Jan–Feb;87(1):23–60 (Eng. Abstr.) **(Fre)**

PSYCHOMOTOR AGITATION

BLOOD

Low serum iron status and akathisia. Brown KW, et al. **Lancet** 1987 May 30;1(8544):1234–6

CHEMICALLY INDUCED

Akathisia: the syndrome of motor restlessness. Friedman JH, et al. **Am Fam Physician** 1987 Feb;35(2):145–9
Pindolol and propranolol in neuroleptic-induced akathisia [letter] Adler LA, et al. **Am J Psychiatry** 1987 Sep; 144(9):1241–2
Clonazepam treatment of adolescents with neuroleptic-induced akathisia [letter] Kutcher SP, et al. **Am J Psychiatry** 1987 Jun;144(6):823–4
Worsening of Tourette's disorder due to neuroleptic-induced akathisia. Weiden P, et al. **Am J Psychiatry** 1987 Apr; 144(4):504–5
A controlled assessment of propranolol in the treatment of neuroleptic-induced akathisia. Adler L, et al. **Br J Psychiatry** 1986 Jul;149:42–5
Physostigmine reversal of drug-induced paradoxical excitement. Milam SB, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):190–3
Lithium-induced akathisia [letter] Price WA, et al. **J Clin Psychiatry** 1987 Feb;48(2):81
Pseudoakathisia associated with atenolol [letter] Patterson JF. **J Clin Psychopharmacol** 1986 Dec;6(6):390
Tardive akathisia associated with low-dose haloperidol use [letter] Stein MB, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):202–3
Akathisia and antipsychotic drugs [editorial] **Lancet** 1986 Nov 15;2(8516):1131–2
Akathisia and antipsychotic drugs [letter] Isah AO, et al. **Lancet** 1987 Jan 3;1(8523):48
Iron, akathisia, and antipsychotic drugs [letter] Pall HS, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1469
Treatment of akathisia with lorazepam. An open clinical trial. Bartels M, et al. **Pharmacopsychiatry** 1987 Mar;20(2):51–3

[Akathisia (editorial)] Munitz H. **Harefuah** 1987 May 15; 112(10):520–1 **(Heb)**

COMPLICATIONS

An investigation of the coexistence of abnormal involuntary movements, parkinsonism, and akathisia in chronic psychiatric inpatients. Kucharski LT, et al. **Psychopharmacol Bull** 1987;23(1):215–7

DIAGNOSIS

Restlessness: a disturbance in rhythmicity. Norris CM. **Geriatr Nurs (New York)** 1986 Nov–Dec;7(6):302–6

Agitated behaviors in the elderly. I. A conceptual review. Cohen–Mansfield J, et al. **J Am Geriatr Soc** 1986 Oct; 34(10):711–21 (32 ref.)

Agitated behaviors in the elderly. II. Preliminary results in the cognitively deteriorated. Cohen–Mansfield J. **J Am Geriatr Soc** 1986 Oct;34(10):722–7

Akinesia and postpsychotic depression: a difficult differential diagnosis. Siris SG. **J Clin Psychiatry** 1987 Jun;48(6):240–3

DRUG THERAPY

Clonidine in neuroleptic–induced akathisia. Adler LA, et al. **Am J Psychiatry** 1987 Feb;144(2):235–6

Comparison of propranolol, sotalol, and betaxolol in the treatment of neuroleptic–induced akathisia. Dupuis B, et al. **Am J Psychiatry** 1987 Jun;144(6):802–5

Neuroleptic–induced akathisia treated with pindolol [letter] Reiter S, et al. **Am J Psychiatry** 1987 Mar;144(3):383–4

Propranolol as adjunct to clonidine in opiate detoxification [letter] Roehrich H, et al. **Am J Psychiatry** 1987 Aug; 144(8):1099–100

A "new" drug for treating agitation and psychosis in the general hospital: chlorpromazine. Muskin PR, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):404–10

Pimozide in the management of psychotically agitated demented patients. Kushnir SL. **J Am Geriatr Soc** 1987 May;35(5):457–9

Midazolam in acute psychotic patients with hyperarousal. Mendoza R, et al. **J Clin Psychiatry** 1987 Jul;48(7):291–2

Very low–dose neuroleptic treatment in two patients with agitation associated with Alzheimer's disease. Risse SC, et al. **J Clin Psychiatry** 1987 May;48(5):207–8

Treatment of the elderly agitated patient. Salzman C. **J Clin Psychiatry** 1987 May;48 Suppl:19–22

Further experience and observations with lorazepam in the management of behavioral agitation [letter] Modell JG. **J Clin Psychopharmacol** 1986 Dec;6(6):385–7

High–dose intravenous haloperidol in agitated cardiac patients [letter] Weiden P, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):375

Noradrenergic mechanisms in akathisia: treatment with propranolol and clonidine. Adler L, et al. **Psychopharmacol Bull** 1987;23(1):21–5

ENZYMOLOGY

A biochemical hypothesis of wandering. Weller MP. **Med Sci Law** 1987 Jan;27(1):40–1

ETIOLOGY

Akathisia and head and body rocking in schizophrenia [letter] Lauterbach EC, et al. **JAMA** 1987 Apr 17;257(15):2033–4

Pathophysiology of akathisia [letter] De Keyser J, et al. **Lancet** 1987 Aug 8;2(8554):336

[Psychiatric problems in Kinsbourne's myoclonic encephalopathy of childhood] Ignatowicz L, et al. **Psychiatr Pol** 1986 Mar–Apr;20(2):102–6 (Eng. Abstr.) **(Pol)**

[Psychic symptomatology in thrombosis of the upper longitudinal sinus. Apropos of a case] López–Trabada Gómez JR, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 May–Jun;15(3):115–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Akathisia in idiopathic Parkinson's disease. Lang AE, et al. **Neurology** 1987 Mar;37(3):477–81

[Status of the neuroautonomic system in preschool children with symptoms of psychomotor hyperexcitability] Szewczyk L, et al. **Pediatr Pol** 1986 Jul;61(7):425–8 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Behavioral dimensions of patients at risk of wandering. Dawson P, et al. **Gerontologist** 1987 Feb;27(1):104–7

THERAPY

Disappearance of akathisia following electroconvulsive treatment. De Keyser J, et al. **Clin Neuropharmacol** 1986; 9(6):563–5

PSYCHOMOTOR DISORDERS

CHEMICALLY INDUCED

Withdrawal of phenobarbital and carbamazepine in epileptic patients: a preliminary neuropsychological report. Gallassi R, et al. **Acta Neurol Scand** 1986 Jul;74(1):59–62

Effect of low level carbon monoxide on compensatory tracking and event monitoring. Benignus VA, et al. **Neurotoxicol Teratol** 1987 May–Jun;9(3):227–34

Effects of intraperitoneal carbon monoxide on fixed–ratio and screen–test performance in the mouse. Knisely JS, et al. **Neurotoxicol Teratol** 1987 May–Jun;9(3):221–5

[Effects of toluene vapors on signaled bar press shock avoidance performance in rats] Kishi R, et al. **Sangyo Igaku** 1986 Mar;28(2):101–13 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Upper limb movements in the emergence of object cognition. Ottaviano S, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:127–31

DIAGNOSIS

The assessment of motor impairment in children with moderate learning difficulties. Sugden D, et al. **Br J Educ Psychol** 1987 Jun;57 (Pt 2):225–36

Perceptual judgments of normal and clumsy children. Lord R, et al. **Dev Med Child Neurol** 1987 Apr;29(2):250–7

Consistency in the diagnosis of cognitive, motor, and neurologic function over the first three years. Aylward GP, et al. **J Pediatr Psychol** 1987 Mar;12(1):77–98

[Electroclinical characteristics of seizures in the Aicardi syndrome] Bour F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Dec; 16(4):341–53 (Eng. Abstr.) **(Fre)**

[The bobble head doll syndrome] Notholt–Heerich B, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):77–9 (Eng. Abstr.) **(Ger)**

[Contact gel as a source of error in roentgen images of the skull] Brinkmann H. **Rontgenblatter** 1986 Oct;39(10):294–6 (Eng. Abstr.) **(Ger)**

[Psychogenic movement disorders in the mental handicapped. Differential diagnosis and therapy. Case report] Hoffmeyer O, et al. **Z Kinder Jugenpsychiatr** 1986; 14(3):212–9 (Eng. Abstr.) **(Ger)**

[Occurrence of motility psychoses (cycloid psychoses) in childhood] Neumärker KJ. **Z Kinder Jugenpsychiatr** 1987; 15(1):57–67 (Eng. Abstr.) **(Ger)**

[Importance of clinical monitoring of the shunt–dependent child] Gambardella G, et al. **Riv Neurol** 1986 Mar–Apr; 56(2):102–5 (Eng. Abstr.) **(Ita)**

[Idiopathic infantile hypercalcemia and Williams syndrome] Knudtzon J, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20; 106(17–18):1488–91 (Eng. Abstr.) **(Nor)**

ETIOLOGY

[Impact of hemophilia on the psychomotor development of children] Alba AE, et al. **Arch Fr Pediatr** 1987 Apr; 44(4):267–70 (Eng. Abstr.) **(Fre)**

[Intellectual and motor disorders with subacute development. Multiple focal hypodense areas on the CT X–ray scanner. Elevation of the sedimentation rate in a 59–year–old woman (clinical conference)] Clanet M, et al. **Rev Neurol (Paris)** 1987;143(4):306–13 **(Fre)**

[Impairment of the accuracy of tracking movements in lesions of the cerebellum and pyramidal system in man] Burlachkova NI, et al. **Neirofiziologiia** 1987;19(3):291–9 (Eng. Abstr.) **(Rus)**

[Galactosemia of early diagnosis with psychomotor retardation] Olivera JE, et al. **An Esp Pediatr** 1986 Oct; 25(4):267–70 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Peculiar face, deafness, cleft palate, male pseudohermaphroditism, and growth and psychomotor retardation; a new autosomal recessive syndrome? Ieshima A, et al. **Clin Genet** 1986 Aug;30(2):136–41

Clinical correlation of dysequilibrium syndrome and 4–hydroxybutyric aciduria. Gibson KM, et al. **J Inherited Metab Dis** 1985;8(2):58

[Coordination disorders in hereditary diseases of the nervous system and their correction] Badalian LO, et al. **Sov Med** 1987;(3):99–101 **(Rus)**

[Trisomy 22] Raimann E, et al. **Rev Chil Pediatr** 1986 Mar–Apr;57(2):164–70 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Prevalence of motor impairment and disability in a rural community in KwaZulu. McLaren PA, et al. **Int Rehabil Med** 1987;8(3):98–104

PSYCHOLOGY

Neuropsychological analysis of a typewriting disturbance following cerebral damage. Boyle M, et al. **Brain Lang** 1987 Jan;30(1):147–64

PSYCHOMOTOR PERFORMANCE

Mirror–like reproduction of a tactile–kinestesic nonsense–shape stimulus on a two–handed task in normal subjects. Rinaldi LA, et al. **Acta Neurol (Napoli)** 1986 Oct; 8(5):558–9

Influence of handedness on spatial compatibility effects with perpendicular arrangement of stimuli and responses. Ladavas E. **Acta Psychol (Amst)** 1987 Jan;64(1):13–23

Effects of practice on a typing–like keying task. Salthouse TA. **Acta Psychol (Amst)** 1986 Jun;62(2):189–98

The ecological approach to perceiving–acting: a pictorial essay. Turvey MT, et al. **Acta Psychol (Amst)** 1986 Dec; 63(1–3):133–55

A developmental perspective on behavioral determinants. Vinter A. **Acta Psychol (Amst)** 1986 Dec;63(1–3):337–49

Early spatial perception taken in reference to manual action. von Hofsten C. **Acta Psychol (Amst)** 1986 Dec; 63(1–3):323–35

Sensorimotor disturbances in Parkinson's disease: index finger test. Chouza C, et al. **Adv Neurol** 1987;45:339–43

Down syndrome and extended practice of a complex motor task. Kerr R, et al. **Am J Ment Defic** 1987 May;91(6):591–7

Improved localization of moving targets with prior knowledge of direction of target motion. Berbaum K, et al. **Am J Psychol** 1986 Winter;99(4):509–14

Surgical handicraft: teaching and learning surgical skills. Barnes RW. **Am J Surg** 1987 May;153(5):422–7

Neurobehavioral assessment of Mohawk Indians for subclinical indications of methyl mercury neurotoxicity. Valciukas JA, et al. **Arch Environ Health** 1986 Jul–Aug; 41(4):269–72

In search of a time–sharing ability in zero input tracking analyzer scores. Siering GD, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1194–7

Coordination of arm and eye movements in tracking of sinusoidally moving targets. Bock O. **Behav Brain Res** 1987 May;24(2):93–100

Information processing in goal–directed movements. Bock O, et al. **Behav Brain Res** 1987 Jan;23(1):23–8

Eye–hand–coordination in man: a reaction time study. Fischer B, et al. **Biol Cybern** 1986;55(4):253–61

Eye–hand–coordination: a model for computing reaction times in a visually guided reach task. Rogal L, et al. **Biol Cybern** 1986;55(4):263–73

Seeing the impossible and building the likely. Deregowski JB, et al. **Br J Psychol** 1987 Feb;78 (Pt 1):91–7

Visual memory for pictorial stimuli in a serial choice reaction–time task. Marshall E, et al. **Br J Psychol** 1987 May;78 (Pt 2):213–31

Visual memory and motor programmes: their use by idiot–savant artists and controls. O'Connor N, et al. **Br J Psychol** 1987 Aug;78 (Pt 3):307–23

Selective effects of minor illnesses on human performance. Smith AP, et al. **Br J Psychol** 1987 May;78 (Pt 2):183–8

Bradyphrenia in Parkinson's disease and psychomotor retardation in depressive illness. An experimental study. Rogers D, et al. **Brain** 1987 Jun;110 (Pt 3):761–76

Reaction time asymmetry through bilateral versus unilateral stimulus presentation. Boles DB. **Brain Cogn** 1987 Jul; 6(3):321–33

A microcomputer aided control system for visual tracking task of monkey. Muramoto K, et al. **Brain Res Bull** 1987 Jan;18(1):147–52

Sprint start reaction time: on the advisability of sensory vs motor sets. Buckolz E, et al. **Can J Sport Sci** 1987 Mar; 12(1):51–3

Early stimulation: psychomotor development of two girls with Aicardi syndrome. Taléns C, et al. **Child Care Health Dev** 1987 Mar–Apr;13(2):101–9

A process analysis of Bender Gestalt Test performance in childhood emotional disorder: a single–case study. Cobrinik L. **Child Psychiatry Hum Dev** 1987 Summer;17(4):242–56

High frequency scalp potentials evoked by a reaction time task. Krieger D, et al. **Electroencephalogr Clin Neurophysiol** 1987 Sep; 67(3):222–30

The effects of load knowledge on stresses at the lower back during lifting. Patterson P, et al. **Ergonomics** 1987 Mar; 30(3):539–49

Effects of hypoxia and hyperoxia on human performance. Welch HG. **Exerc Sport Sci Rev** 1987;15:191–221 (105 ref.)

Age differences in depicting and perceiving tridimensionality in simple line drawings. Plude DJ, et al. **Exp Aging Res** 1986 Winter;12(4):221–5

No effect of noise on vigilance performance? Koelega HS, et al. **Hum Factors** 1986 Oct;28(5):581–93

Influence of exposures to low intensities of sound at different frequencies on the cognitive abilities & sensori–motor coordination. Bhattacharya SK, et al. **Indian J Med Res** 1986 Oct;84:430–9

The combined effects of occupational health hazards: an experimental investigation of the effects of noise, nightwork and meals. Smith AP, et al. **Int Arch Occup Environ Health** 1987;59(1):83–9

The effects of posthypnotic performance–enhancing instructions on cognitive–motor performance. Jacobs SB, et al. **Int J Clin Exp Hypn** 1987 Jan;35(1):41–50

Performance and physiological responses of type A and type B individuals during a cognitive and perceptual–motor task. Juszczak NM, et al. **Int J Psychophysiol** 1987 Jul;5(2):81–9

Heart rate reactions to standard laboratory challenges and a naturalistic stressor. Turner JR, et al. **Int J Psychophysiol** 1987 Jul;5(2):151–2

Adams' closed–loop concept of learning and motor performance: its application in behavioural kinesiology and patients' education in rehabilitation. Olaogun MO. **Int J Rehabil Res** 1986;9(3):231–8

The relationship between motor function and cognition in the developmental perspective. Hauert CA. **Ital J Neurol Sci** 1986 Apr;Suppl 5:101–7

Response cost, reinforcement, and children's Porteus Maze qualitative performance. Neenan DM, et al. **J Abnorm Child Psychol** 1986 Sep;14(3):469–80

The effects of visual–spatial and verbal skills on written and mental arithmetic. Solan HA. **J Am Optom Assoc** 1987 Feb; 58(2):88–94

The relationship between the Test for Visual Analysis Skills (TVAS) and standardized visual–motor tests in children with visual perception difficulty. Wesson MD, et al. **J Am Optom Assoc** 1986 Nov;57(11):844–9

Effects of cognitive and psychomotor tasks on breath–holding span. Alpher VS, et al. **J Appl Physiol** 1986 Sep;61(3):1149–52

Multiple spans in transcription typing. Salthouse TA, et al. **J Appl Psychol** 1987 May;72(2):187–96

Cognitive disabilities: measuring the social consequences of mental disorders. Allen CK, et al. **J Clin Psychiatry** 1987 May;48(5):185–90

The Goldstein–Scheerer Cube Test: a developmental–regressive study. Strauss H, et al. **J Clin Psychol** 1986 Sep;42(5):799–809

Simian scribbles: a reappraisal of drawing in the chimpanzee (Pan troglodytes). Boysen ST, et al. **J Comp Psychol** 1987 Mar;101(1):82–9

Effects of immediate introduction of indirect vision on performance and posture. Boyd MA, et al. **J Dent Educ** 1987 Feb;51(2):98–101

The effects of gloves on psychomotor skills acquisition among dental students. Brantley CF, et al. **J Dent Educ** 1986 Oct;50(10):611–3

A three–digit label set for specifying points on the hand. Rucker LM, et al. **J Dent Educ** 1987 Apr;51(4):195–7

Waxing tests as predictors of students' performance in preclinical dentistry. Walcott AM, et al. **J Dent Educ** 1986 Dec;50(12):716–21

A comparison of two– and three–dimensional exercises in the acquisition of mirror vision skills. Willis DO, et al. **J Dent Educ** 1987 Apr;51(4):190–1

The drawing of squares and diamonds: a perceptual–motor task analysis. Broderick P, et al. **J Exp Child Psychol** 1987 Feb;43(1):44–61

Spatial conceptions in Chinese and Canadian children. Harvey CB, et al. **J Genet Psychol** 1986 Dec;147(4):457–64

The differential salience of spatial information features in the geometric reproductions of young children. Rosser RA, et al. **J Genet Psychol** 1986 Dec;147(4):447–55

Two components of motor time in elderly subjects. Ito H, et al. **J Hum Ergol (Tokyo)** 1986 Dec;15(2):163–6

The stability of psychometric performance during the International Biomedical Expedition to the Antarctic (IBEA). Defayolle M, et al. **J Human Stress** 1985 Winter; 11(4):157–60

Playing for proficiency: a new approach to motivation and psychomotor learning. Duprey MP, et al. **J Nurs Educ** 1986 Oct;25(8):348–51

Learning of psychomotor skills: laboratory versus patient care setting. Gomez GE, et al. **J Nurs Educ** 1987 Jan; 26(1):20–4

Speech–muscle visuomotor tracking in dysarthric and nonimpaired speakers. McClean MD, et al. **J Speech Hear Res** 1987 Jun;30(2):276–82

Interactions between speech and finger movements: an exploration on the dynamic pattern perspective. Smith A, et al. **J Speech Hear Res** 1986 Dec;29(4):471–80

Surgical aptitude test for otolaryngology–head and neck surgery resident applicants. Krespi YP, et al. **Laryngoscope** 1986 Nov;96(11):1201–6

Measurement of sensory–motor integrated function in neurological disorders: three computerised tracking tasks. Jones RD, et al. **Med Biol Eng Comput** 1986 Sep; 24(5):536–40

Visuomotor tracking performance in schizophrenia: relationship with psychopathological subtyping. Gaebel W, et al. **Neuropsychobiology** 1987;17(1–2):66–71

Visuospatial and motor attention in the monkey. Goldberg ME, et al. **Neuropsychologia** 1987;25(1A):107–18

Proactive interference and intertrial interval in short–term retention of temporal visual information. Guay M. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):839–46

Preliminary evidence for body–centered coding of tactile motor events. Hasbroucq T. **Percept Mot Skills** 1987 Apr; 64(2):631–4

Physical and emotional abuse and motor development: a preliminary investigation. Hughes HM, et al. **Percept Mot Skills** 1987 Apr;64(2):469–70

Selected parameters of response organization in mildly mentally retarded children. Porretta DL. **Percept Mot Skills** 1987 Feb;64(1):95–100

Stability of individual differences in infants' manipulation and exploration of objects. Ruff HA, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1095–101

References for motor tasks—gender differences across age in motor performance: a meta–analysis. Thomas JR, et al. **Percept Mot Skills** 1987 Apr;64(2):503–6

Assessing children with Down syndrome [letter] Davis W. **Phys Ther** 1986 Nov;66(11):1779–81

Performance and perception at various combinations of treadmill speed and slope. Cabanac M. **Physiol Behav** 1986; 38(6):839–43

Visual and graphic abilities of the idiot savant artist. O'Connor N, et al. **Psychol Med** 1987 Feb;17(1):79–90

Routes to action in reaction time tasks. Frith CD, et al. **Psychol Res** 1986;48(3):169–77

Thirty–six hour correspondence between performance and sleepiness cycles. Lavie P, et al. **Psychophysiology** 1987 Jul;24(4):430–8

Visual timing in hitting an accelerating ball. Lee DN, et al. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:333–46

RT to tactile stimuli presented ipsi– and contralaterally to the responding hand. Peters M. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:397–410

A new technical approach to monkey visual training. Bon L, et al. **Vision Res** 1987;27(1):41–3

Learner drivers with spina bifida and hydrocephalus: the relationship between perceptual–cognitive deficit and driving performance. Simms B. **Z Kinderchir** 1986 Dec;41 Suppl 1:51–5

[Standardized performance tests and prognosis of vocational rehabilitation] Foldspang A. **Ugeskr Laeger** 1987 Mar 16; 149(12):801–5 (Eng. Abstr.) **(Dan)**

[The place of psychomotor retardation in depressive psychopathology] Widlöcher D. **Acta Psychiatr Belg** 1986; 86:686–98 (Eng. Abstr.) **(Fre)**

[The long–term neuropsychological future of children with transposition of the great vessels operated on using extracorporeal circulation and deep hypothermia] Dalery J, et al. **Ann Pediatr (Paris)** 1986 Oct;33(8):745–50 (Eng. Abstr.) **(Fre)**

[Otoneurological therapy without drugs or surgery: psychomotor management] Hadj–Djilani A. **Ther Umsch** 1987 Feb;44(2):151–8 (Eng. Abstr.) **(Fre)**

[Psychomotor development of small premature infants] Calame A, et al. **Gynakologe** 1987 Mar;20(1):65–9 **(Ger)**

[Influences on neuromotor development of 5 to 10–year–old children in Basel] Hanck C, et al. **Soz Praventivmed** 1986; 31(4–5):204–6 (Eng. Abstr.) **(Ger)**

[Combined effect of selected parameters of climate and noise on job performance and stress] Rentzsch M, et al. **Z Gesamte Hyg** 1986 Aug;32(8):483–5 (Eng. Abstr.) **(Ger)**

[Griffith test in the evaluation of psychomotor development in the 1st year of life. A longitudinal study] Benatti A, et al. **Pediatr Med Chir** 1986 Nov–Dec;8(6):757–61 (Eng. Abstr.) **(Ita)**

[Mental development and dynamics of psychoneurologic processes in children from an environment exposed to contamination with heavy metals] Franiczek W, et al. **Wiad Lek** 1986 Dec 1;39(23):1608–12 (Eng. Abstr.) **(Pol)**

[Hereditary conditionality of the indices of human neurodynamic and psychomotor functions as well as personality traits] Makarenko NV, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):3–9 (Eng. Abstr.) **(Rus)**

[Effect of linear, impact and vibration accelerations on the accuracy of performance of force load programs by an operator] Koroleva IN, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):34–7 (Eng. Abstr.) **(Rus)**

[Mental regulation of the state of the body during exposure to prolonged longitudinal acceleration] Ponomarenko VA, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):24–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the validity of tests for the neurologic diagnosis of minimal brain dysfunction] Momić–Mujć Z, et al. **Lijec Vjesn** 1987 Jan;109(1):5–10 (Eng. Abstr.) **(Scr)**

[Infanto–juvenile stuttering: a multidisciplinary approach] Almonte C, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Dec; 32(4):297–306 (Eng. Abstr.) **(Spa)**

[Correlation between competency in skiing and personality traits] Díez Manrique JF, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Nov–Dec;14(6):424–30 **(Spa)**

DRUG EFFECTS

The effects of repeated doses of temazepam and nitrazepam on several measures of human performance. Griffiths AN, et al. **Acta Psychiatr Scand [Suppl]** 1986;332:119–26

Drugs and impaired performance. Nicholson AN. **Acta Psychiatr Scand [Suppl]** 1986;332:60–4

Hangover effects on aircraft pilots 14 hours after alcohol ingestion: a preliminary report. Yesavage JA, et al. **Am J Psychiatry** 1986 Dec;143(12):1546–50

Treatment with iron increases weight gain and psychomotor development. Aukett MA, et al. **Arch Dis Child** 1986 Sep; 61(9):849–57

Lipid–soluble and water–soluble beta–blockers. Comparison of the central nervous system depressant effect. Gengo FM, et al. **Arch Intern Med** 1987 Jan;147(1):39–43

Comparison of the effects of the new anxiolytic suriclone and benzodiazepines on motor function and electroencephalogram. Ono H, et al. **Arzneimittelforschung** 1987 Apr;37(4):384–8

Atropine sulfate effects on aviator performance and on respiratory–heart period interactions. Dellinger JA, et al. **Aviat Space Environ Med** 1987 Apr;58(4):333–8

Comparison of the effects of atropine sulfate and ethanol on performance. Dellinger JA, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1185–8

Effects of atropine and 2–PAM chloride on vision and performance in humans. Haegerstrom–Portnoy G, et al. **Aviat Space Environ Med** 1987 Jan;58(1):47–53

Effects of a mu–opioid receptor agonist (codeine phosphate) on visuo–motor coordination and dynamic visual acuity in man. Bradley CM, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):507–12

Psychomotor, pulmonary and exercise responses to sleep medication. Charles RB, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):191–7

Acute and subchronic effects of Org 2305 and diazepam on psychomotor performance in man. Mattila MJ, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):219–27

Combined effects of buspirone and diazepam on objective and subjective tests of performance in healthy volunteers. Mattila M, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):620–6

Mental rehearsal of a task before or after ethanol: tolerance facilitating effects. Sdao–Jarvie K, et al. **Drug Alcohol Depend** 1986 Sep;18(1):23–30

Effect of sodium valproate on psychomotor performance in children as a function of dose, fluctuations in concentration, and diagnosis. Aman MG, et al. **Epilepsia** 1987 Mar–Apr; 28(2):115–24

Studies on performance with aspirin and paracetamol and with the centrally acting analgesics meptazinol and pentazocine. Bradley CM, et al. **Eur J Clin Pharmacol** 1987; 32(2):135–9

Studies on the central effects of the H1–antagonist, loratadine. Bradley CM, et al. **Eur J Clin Pharmacol** 1987; 32(4):419–21

Psychomotor impairment and anticonvulsant therapy in adult epileptic patients. Brodie MJ, et al. **Eur J Clin Pharmacol** 1987;31(6):655–60

Lack of interaction of ranitidine with amitriptyline. Curry SH, et al. **Eur J Clin Pharmacol** 1987;32(3):317–20

Controlled evaluation of a supplementary dose of carbamazepine on psychomotor function in epileptic patients. Macphee GJ, et al. **Eur J Clin Pharmacol** 1986; 31(2):195–9

Acute and subacute actions on human performance and interactions with diazepam of temelastine (SK&F93944) and diphenhydramine. Mattila MJ, et al. **Eur J Clin Pharmacol** 1986;31(3):291–8

Effects of single oral doses of clobazam, diazepam and lorazepam on performance tasks and memory. Patat A, et al. **Eur J Clin Pharmacol** 1987;32(5):461–6

Troleandomycin–triazolam interaction in healthy volunteers: pharmacokinetic and psychometric evaluation. Warot D, et al. **Eur J Clin Pharmacol** 1987;32(4):389–93

A comparison of the neurochemical and behavioral effects of clenbuterol and desipramine. Finnegan KT, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):131–6

Postanesthetic cognitive and psychomotor impairment. Korttila K. **Int Anesthesiol Clin** 1986 Winter;24(4):59–74 (57 ref.)

Psychomotor effects of astemizole and chlorpheniramine, alone and in combination with alcohol. Hindmarch I, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):117–9

A placebo–controlled assessment of mequitazine and astemizole in tests of psychomotor ability. Hindmarch I, et al. **Int J Clin Pharmacol Res** 1986;6(6):457–64

Driving ability after intravenous fentanyl or diazepam. A controlled double–blind study. Stevenson GW, et al. **Invest Radiol** 1986 Sep;21(9):717–9

Effects of one–week lithium treatment on skilled performance, information processing, and mood in healthy volunteers. Linnoila M, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):356–9

The impact of inhaled acrolein on hypertension–sensitive and resistant rats. Kutzman RS, et al. **J Environ Pathol Toxicol Oncol** 1986 May–Aug; 6(5–6):97–108

Effects of recreational drugs on physical activity. Millis RM. **J Natl Med Assoc** 1987 Jan;79(1):59–64 (36 ref.)

Pentazocine and codeine: effects on human performance and mood and interactions with diazepam. Saarialho–Kere U, et al. **Med Biol** 1986;64(5):293–9

Diazepam–induced changes in signal detection performance. A comparison with the effects on the Critical Flicker–Fusion Frequency and the Digit Symbol Substitution Test. Jansen AA, et al. **Neuropsychobiology** 1986;16(4):193–7

Flupentixolhydrochloride in low dosages: effects on perceptual and psychomotor performance in emotionally stable and emotionally labile healthy subjects. Rösler F, et al. **Neuropsychobiology** 1986;16(1):27–36

Behavioral effects of cyclic dosing with methylmercury in pigeons. Weisman RG, et al. **Neurotoxicology** 1986 Fall; 7(3):107–20

The psychomotor development of full term infants whose mothers were treated with glucocorticosteroids during pregnancy. Levin S, et al. **Padiatr Padol** 1986;21(3):233–9

Mood, memory, and motor performance and the severity of tardive dyskinesia. Gilleard CJ, et al. **Percept Mot Skills** 1986 Dec;63(3):1037–8

Asynchronies of diphenhydramine plasma–performance relationships. Ličko V, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):365–70

Differential CNS effects of diazepam in elderly adults. Nikaido AM, et al. **Pharmacol Biochem Behav** 1987 Jun; 27(2):273–81

Evaluation of the role of norepinephrine in the reinforcing effects of psychomotor stimulants in rhesus monkeys. Woolverton WL. **Pharmacol Biochem Behav** 1987 Apr; 26(4):835–9

Acute comparison of clovoxamine and mianserin, alone and in combination with ethanol, on human psychomotor performance. Strömberg C, et al. **Pharmacol Toxicol** 1987 May;60(5):374–9

Comparative placebo–controlled pharmacodynamic studies with zotepine and clozapine utilizing pharmaco–EEG and

psychometry. Saletu B, et al. **Pharmacopsychiatry** 1987 Feb; 20(1 Spec No):12–27

Quantitative EEG, SPEM, and psychometric studies in schizophrenics before and during differential neuroleptic therapy. Saletu B, et al. **Pharmacopsychiatry** 1986 Nov; 19(6):434–7

Performance effects of diazepam during and after prolonged administration. Brosan L, et al. **Psychol Med** 1986 Aug; 16(3):561–71

Cholinergic effects on constructional abilities and on mnemonic processes: a case report. Sahakian B, et al. **Psychol Med** 1987 May;17(2):329–33

Physiological and performance responses to diazepam: two types of effects. Hoehn-Saric R, et al. **Psychopharmacol Bull** 1986;22(2):439–43

Comparative pharmacodynamics of benzodiazepines. Ellinwood EH Jr, et al. **Psychopharmacol Ser** 1987;3:77–82

Behavioral interactions of ethanol and methylxanthines. Dar MS, et al. **Psychopharmacology (Berlin)** 1987;91(1):1–4

Benzodiazepine pharmacodynamics: evidence for biophase rate limiting mechanisms. Ellinwood EH Jr, et al. **Psychopharmacology (Berlin)** 1987;91(2):168–74

Diazepam, behavior, and aging: increased sensitivity or lower baseline performance? Hinrichs JV, et al. **Psychopharmacology (Berlin)** 1987;92(1):100–5

The effects of low doses of caffeine on human performance and mood. Lieberman HR, et al. **Psychopharmacology (Berlin)** 1987;92(3):308–12

Comparison of the effects of quazepam and triazolam on cognitive-neuromotor performance. Nikaido AM, et al. **Psychopharmacology (Berlin)** 1987;92(4):459–64

Promethazine, scopolamine and cinnarizine: comparative time course of psychological performance effects. Parrott AC, et al. **Psychopharmacology (Berlin)** 1987;92(4):513–9

Influence of dosing regimen on alprazolam and metabolite serum concentrations and tolerance to sedative and psychomotor effects. Smith RB, et al. **Psychopharmacology (Berlin)** 1987;93(1):105–12

Effect of diazepam on the speed of mental rotation. Taylor J, et al. **Psychopharmacology (Berlin)** 1987;91(3):369–71

Subjective and objective signs of organic solvent toxicity among occupationally exposed workers. An experimental evaluation. Iregren A. **Scand J Work Environ Health** 1986 Oct;12(5):469–75

[Effects on memory and psychomotor performance induced in healthy subjects by 3 hypnotic benzodiazepines (triazolam, flunitrazepam, loprazolam)] Klein MJ, et al. **Therapie** 1986 Jul–Aug;41(4):299–304 (Eng. Abstr.) **(Fre)**

[Interaction of the analgesic substance tenoxicam with alcohol and its influence on psychometrically measurable performance] Lücker PW, et al. **Arzneimittelforschung** 1986 Aug;36(8):1274–7 (Eng. Abstr.) **(Ger)**

[A computer-assisted visuomotor tracking device for the selective observation of central nervous drug effects] Ulrich G, et al. **Arzneimittelforschung** 1987 Apr;37(4):472–5 (Eng. Abstr.) **(Ger)**

[Alcohol kinetics and psychophysical ability to perform under H2 receptor blockers] Norpoth T, et al. **Beitr Gerichtl Med** 1986;44:1–4 (Eng. Abstr.) **(Ger)**

[Evaluation of psychological performance parameters in the use of Finlepsin and Convulsofin] König K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Jan;39(1):44–8 (Eng. Abstr.) **(Ger)**

[Mental evaluation after chronic exposure to tetrachloroethylene] Bazylewicz-Walczak B, et al. **Med Pr** 1986;37(5):315–20 (Eng. Abstr.) **(Pol)**

[Individual-topologic features of the human central nervous manifested during exposure to ethanol] Volynkina GIu, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):691–7 (Eng. Abstr.) **(Rus)**

[Neurophysiologic, psychomotor and psychologic indicators in workers after long-term exposure to cholinesterase-inhibiting insecticides] Radonjić V, et al. **Arh Hig Rada Toksikol** 1985 Dec;36(4):355–64 (Eng. Abstr.) **(Scr)**

[Significance of the interaction between analgesic-antipyretics and ethanol in forensic medicine investigations] Bauerová J, et al. **Bratisl Lek Listy** 1987 Apr;87(4):432–8 (Eng. Abstr.) **(Slo)**

[Psychologic findings in foundry workers after long-term exposure to manganese] Sútorová D, et al. **Cesk Neurol Neurochir** 1986 Jul;49(4):236–41 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Sensorimotor interactions in space perception and action. In memory of Ivo Kohler (1915–1985). **Acta Psychol (Amst)** 1986 Dec;63(1–3):1–352

Contrasting conceptions of perception and action. Epstein W. **Acta Psychol (Amst)** 1986 Dec;63(1–3):103–15

Baseball batters support an ecological efference mediation theory of natural event perception. Shebilske WL. **Acta Psychol (Amst)** 1986 Dec;63(1–3):117–31

Concurrent validity of equilibrium tests in boys with learning disabilities with and without vestibular dysfunction. Bundy AC, et al. **Am J Occup Ther** 1987 Jan;41(1):28–34

Sequential levels in the visual-motor development of a child with cerebral palsy. Erhardt RP. **Am J Occup Ther** 1987 Jan;41(1):43–9

Visual motion processing and sensory-motor integration for smooth pursuit eye movements. Lisberger SG, et al. **Annu Rev Neurosci** 1987;10:97–129 (108 ref.)

Response time in monkeys with unilateral neglect. Valenstein E, et al. **Arch Neurol** 1987 May;44(5):517–20

Some effects of alcohol and simulated altitude on complex performance scores and breathalyzer readings. Collins WE, et al. **Aviat Space Environ Med** 1987 Apr;58(4):328–32

The interrelationship between superior colliculus and substantia nigra pars reticulata in programming movements of cats: a follow-up. Gelissen M, et al. **Behav Brain Res** 1987 Jul;25(1):1–11

Quantitative measurement of interresponse times to assess forelimb motor function in rats. Gonzalez MF, et al. **Behav Brain Res** 1986 Oct;22(1):75–84

Brachium pontis lesions in cats partly reproduce the cerebellar dysfunction of voluntary reaching movements. Levesque F, et al. **Behav Brain Res** 1986 Sep;21(3):167–81

Neuronal correlates in posterior parietal lobe of the expectation of events. MacKay WA, et al. **Behav Brain Res** 1987 Jun;24(3):167–79

A deficit in ambient visual guidance following superior colliculus lesions in rats. Lines CR, et al. **Behav Neurosci** 1985 Aug;99(4):707–16

Cues for movement in monkeys (Macaca mulatta) with lesions in premotor cortex. Passingham RE. **Behav Neurosci** 1986 Oct;100(5):695–703

Effects of early environments on monkey cortex neuroanatomical changes following somatomotor experience: effects on layer III pyramidal cells in monkey cortex. Stell M, et al. **Behav Neurosci** 1987 Jun;101(3):341–6

Electrophysiological and behavioral correlates of psychomotor responsivity in depression. Knott VJ, et al. **Biol Psychiatry** 1987 Mar;22(3):313–24

Effects of degradation of visual stimulation on components of the event-related potential (ERP) in go/nogo reaction tasks. Kok A. **Biol Psychol** 1986 Aug;23(1):21–38

Fusimotor action during natural movement. A peripheral link between motor and sensory set? Hulliger M. **Boll Soc Ital Biol Sper** 1987 Jan 31;63(1):19–38 (85 ref.)

The contributions of motor cortex, nigrostriatal dopamine and caudate-putamen to skilled forelimb use in the rat. Whishaw IQ, et al. **Brain** 1986 Oct;109 (Pt 5):805–43

Methodological issues in the use of the concurrent activities paradigm. Green A, et al. **Brain Cogn** 1986 Oct;5(4):465–76

A time sharing cross-sectional study of monolinguals and bilinguals at different levels of second language acquisition. Green A. **Brain Cogn** 1986 Oct;5(4):477–97

Dual task performance in children: generalized and lateralized effects of memory encoding upon the rate and variability of concurrent finger tapping. Hiscock M, et al. **Brain Cogn** 1987 Jan;6(1):24–40

Lateralized interference in finger tapping: comparisons of rate and variability measures under speed and consistency tapping instructions. Kee DW, et al. **Brain Cogn** 1986 Jul; 5(3):268–79

Lateralized interference effects: evidence for a processing style by modality interaction. Willis WG, et al. **Brain Cogn** 1987 Jan;6(1):112–26

Excitability level-setting mechanisms in the pons: their behavioral support in decerebrate, reflex standing and freely moving, intact cats. Mori S, et al. **Brain Dev** 1986; 8(4):408–15

Parametric relationships of individual digit movements to neuronal discharges in primate magnocellular red nucleus. Kennedy PR. **Brain Res** 1987 Aug 4;417(1):185–9

Anticipatory and reflex coactivation of antagonist muscles in catching. Lacquaniti F, et al. **Brain Res** 1987 Mar 17; 406(1–2):373–8

Nucleus basalis of Meynert neuronal activity during a delayed response task in monkey. Richardson RT, et al. **Brain Res** 1986 Dec 10;399(2):364–8

Effects of cooling the prefrontal and prestriate cortex upon visually initiated hand movements in the monkey. Sasaki K, et al. **Brain Res** 1987 Jul 14;415(2):362–6

Climbing fiber afferent modulation during a visually guided, multi-joint arm movement in the monkey. Wang JJ, et al. **Brain Res** 1987 May 5;410(2):323–9

Auditory- and movement-related neural activity interact in the pulvinar of the behaving rhesus monkey. Yirmiya R, et al. **Brain Res** 1987 Jan 27;402(1):93–102

Manual pointing to auditory targets: performances of right versus left handed subjects. Duhamel JR, et al. **Cortex** 1986 Dec;22(4):633–8

Interhemispheric coordination is compromised in subjects with developmental dyslexia. Hermann HT, et al. **Cortex** 1986 Sep;22(3):337–58

Rapidly shifting 'hot spot' of single trial evoked correlations during a brief visuospatial task revealed by neurocognitive pattern analysis. Gevins AS. **Electroencephalogr Clin Neurophysiol [Suppl]** 1986;38:316–9

Trunk loading and expectation. Marras WS, et al. **Ergonomics** 1987 Mar;30(3):551–62

Assessing the predictive validity of psychomotor tests as measures of biological age in mice. Ingram DK, et al. **Exp Aging Res** 1986 Autumn;12(3):155–62

Motor strategies involved in the performance of sequential movements. Benecke R, et al. **Exp Brain Res** 1986; 63(3):585–95

Further observations on the occurrence of express-saccades in the monkey. Boch R, et al. **Exp Brain Res** 1986; 63(3):487–94

Contribution of retinal versus extraretinal signals towards visual localization in goal-directed movements. Bock O. **Exp Brain Res** 1986;64(3):476–82

Visual cortical lesions abolish the use of motion parallax in the Mongolian gerbil. Ellard CG, et al. **Exp Brain Res** 1986; 64(3):599–602

Human express saccades: effects of randomization and daily practice. Fischer B, et al. **Exp Brain Res** 1986;64(3):569–78

Trajectory control in targeted force impulses. I. Role of opposing muscles. Ghez C, et al. **Exp Brain Res** 1987; 67(2):225–40

Trajectory control in targeted force impulses. III. Compensatory adjustments for initial errors. Gordon J, et al. **Exp Brain Res** 1987;67(2):253–69

Trajectory control in targeted force impulses. II. Pulse height control. Gordon J, et al. **Exp Brain Res** 1987;67(2):241–52

Scalp topography of ERP source-densities during visually guided target practice. MacKay DM, et al. **Exp Brain Res** 1986;64(3):434–50

Visuo-motor tracking during reversible inactivation of the cerebellum. Miall RC, et al. **Exp Brain Res** 1987; 65(2):455–64

Neurons related to goal-directed motor acts in inferior area 6 of the macaque monkey. Rizzolatti G, et al. **Exp Brain Res** 1987;67(1):220–4

The role of visual reafferents during a pointing movement: comparative study between open-loop and closed-loop performances in monkeys before and after unilateral electrolytic lesion of the substantia nigra. Viallet F, et al. **Exp Brain Res** 1987;65(2):399–410

Recovery of tactile placing after visual cortex ablation in cat: a behavioral and metabolic study of diaschisis. Hovda DA, et al. **Exp Neurol** 1987 Aug;97(2):391–402

Statistical dependency in visual scanning. Ellis SR, et al. **Hum Factors** 1986 Aug;28(4):421–38

The threshold for hypoxia effects on perceptual-motor performance. Fowler B, et al. **Hum Factors** 1987 Feb; 29(1):61–6

A psychophysiological assessment of operator workload during simulated flight missions. Kramer AF, et al. **Hum Factors** 1987 Apr;29(2):145–60

Spectral analysis of sinus arrhythmia: a measure of mental effort. Vicente KJ, et al. **Hum Factors** 1987 Apr; 29(2):171–82

Comparative characteristics of predictive eye-hand tracking. Leist A, et al. **Hum Neurobiol** 1987;6(1):19–26

Temporal and spatial characteristics in repetitive movement. Stelmach GE, et al. **Int J Neurosci** 1987 Jul;35(1–2):51–8

Appearance of two-level CNV and extrication wave and the explanation of psychological factors of CNV. Wei JH, et al. **Int J Neurosci** 1987 Feb;32(3–4):747–56

Effects of posture on cardiac dynamics during visual search. Harrell JP, et al. **Int J Psychophysiol** 1987 May;5(1):19–23

Electrophysiology of skilled performances in children. Chiarenza GA. **Ital J Neurol Sci** 1986 Apr;Suppl 5:155–62

Inhibitory versus facilitory interference for finger-tapping to verbal and nonverbal, motor, and sensory tasks. Dalen K, et al. **J Clin Exp Neuropsychol** 1986 Dec;8(6):627–36

Consistency of intermanual discrepancies in normal and unilateral brain lesion patients. Bornstein RA. **J Consult Clin Psychol** 1986 Oct;54(5):719–23

Fluctuations and phase symmetry in coordinated rhythmic movements. Turvey MT, et al. **J Exp Psychol [Hum Percept]** 1986 Nov;12(4):564–83

Rate of aging and dietary restriction: sensory and motor function in the Fischer 344 rat. Campbell BA, et al. **J Gerontol** 1987 Mar;42(2):154–9

Dietary restriction benefits learning and motor performance of aged mice. Ingram DK, et al. **J Gerontol** 1987 Jan; 42(1):78–81

The effects of age and extended practice on divided attention performance. McDowd JM. **J Gerontol** 1986 Nov; 41(6):764–9

Fast complex arm movements in Parkinson's disease. Berardelli A, et al. **J Neurol Neurosurg Psychiatry** 1986 Oct;49(10):1146–9

Impaired sensorimotor integration in parkinsonism and dyskinesia: a role for corollary discharges? Moore AP. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):544–52

Sensorimotor performance of the hand during peripheral nerve regeneration. Brink EE, et al. **J Neurol Sci** 1987 Feb; 77(2–3):249–66

Changes in neuronal activity of the monkey precentral cortex during preparation for movement. Lecas JC, et al. **J Neurophysiol** 1986 Dec;56(6):1680–702

Human task-specific somatosensory activation. Ginsberg MD, et al. **Neurology** 1987 Aug;37(8):1301–8

Callosal apraxia. Graff-Radford NR, et al. **Neurology** 1987 Jan;37(1):100–5

Dual-task interference between speaking and listening and a unipedal force production task. Carnahan H, et al. **Neuropsychologia** 1986;24(4):583–6

Concurrent performance of rhythmically compatible or incompatible vocal and manual tasks: evidence for two sources of interference in verbal-manual timesharing. Hiscock M, et al. **Neuropsychologia** 1986;24(5):691–8

Contralateral and ipsilateral control of fingers following callosotomy. Trope I, et al. **Neuropsychologia** 1987; 25(1B).287–91

Neuropsychological models of stuttering--II. Interhemispheric interference. Webster WG. **Neuropsychologia** 1986;24(5):737–41

Response sequence organization and reproduction by stutterers. Webster WG. **Neuropsychologia** 1986; 24(6):813–21

Neuronal mechanisms of goal-directed behavior in monkeys. Batuev AS. **Neurosci Behav Physiol** 1986 Nov-Dec; 16(6):459-65

Task-dependent gating of somatosensory transmission in two different motor tasks in man: falling and writing. Dietz V, et al. **Neurosci Lett** 1987 Apr 10;75(3):288-92

Detection of tracking errors by visual climbing fiber inputs to monkey cerebellar flocculus during pursuit eye movements. Stone LS, et al. **Neurosci Lett** 1986 Dec 12; 72(2):163-8

Neglect induced by thalamotomy in humans: a quantitative appraisal of the sensory and motor deficits. Velasco F, et al. **Neurosurgery** 1986 Nov;19(5):744-51

Motor response information influence on CNV shape and resolution time. Imashioya H, et al. **Pavlov J Biol Sci** 1987 Jan-Mar;22(1):1-6

Psychomotor adaptation in children with severe chronic asthma. Bender BG, et al. **Pediatrics** 1987 May;79(5):723-7

Prolonged mechanical ventilation and intracranial hemorrhage: impact on developmental progress through 18 months in infants weighing 1,200 grams or less at birth. Bozynski ME, et al. **Pediatrics** 1987 May;79(5):670-6

The influence of estrous cycle and intrastriatal estradiol on sensorimotor performance in the female rat. Becker JB, et al. **Pharmacol Biochem Behav** 1987 May;27(1):53-9

Temporal and inter-task consistency of heart rate reactivity during active psychological challenge: a twin study. Turner JR, et al. **Physiol Behav** 1986;38(5):641-4

Behavioral and biochemical effects of nucleus basalis magnocellularis lesions: implications and possible relevance to understanding or treating Alzheimer's disease. Bartus RT, et al. **Prog Brain Res** 1986;70:345-61 (92 ref.)

Left hemispheric overactivation in schizophrenia: relationship to clockwise circling. Marder LR, et al. **Psychiatry Res** 1987 Mar;20(3):215-20

Asymmetric neural control systems in human self-regulation. Tucker DM, et al. **Psychol Rev** 1984 Apr;91(2):185-215

Timing and torque involvement in the organisation of a rapid forearm flexion. Baba DM, et al. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:323-31

Feedback control of hand-movement and Fitts' Law. Crossman ER, et al. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:251-78

Visual control of discrete aiming movements. Wallace SA, et al. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:311-21

Conditions for a linear speed--accuracy trade-off in aimed movements. Wright CE, et al. **Q J Exp Psychol [A]** 1983 May;35 Pt 2:279-96

Lateral-posterior (LP) and pulvinar unit activity related to intentional upper limb movements directed to spatially separated targets, in behaving Macaca nemestrina monkeys. Acuña C, et al. **Rev Neurol (Paris)** 1986;142(4):354-61

Adaptive changes in perceptual responses and visuomanual coordination during exposure to visual metrical distortion. Droulez J, et al. **Vision Res** 1986;26(11):1783-92

[Effects of aging on hand coordination--a quantitative analysis of ability to track moving targets] Chiba S, et al. **Nippon Ronen Igakkai Zasshi** 1987 Mar;24(2):132-7 (Eng. Abstr.) **(Jpn)**

[The groping phenomena in a case of Alzheimer type dementia] Yagiuchi T, et al. **No To Shinkei** 1987 Jan; 39(1):71-6 (Eng. Abstr.) **(Jpn)**

[Psychomotor functions of older workers engaged in physical labor] Bakaleinikova VA. **Fiziol Cheloveka** 1986 Nov-Dec; 12(6):987-91 **(Rus)**

[Role of the internal model in the perception of position and planning of hand movements] Gurfinkel' VS, et al. **Fiziol Cheloveka** 1986 Sep-Oct;12(5):769-76 **(Rus)**

[The neostriatum and instrumental behavior] Suvorov NF, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1337-56 (132 ref.) **(Rus)**

[Mental development of adolescents receiving vocational and general education] Bazylevich-Val'chak B, et al. **Gig Sanit** 1986 Oct;(10):51-3 **(Rus)**

[Effect of an experimental physical education program on the status of the central nervous system and physical work capacity of preparatory grade schoolchildren] Boldina NA, et al. **Gig Sanit** 1986 Nov;(11):31-3 (Eng. Abstr.) **(Rus)**

[Device for testing human psychophysiologic functions during work activity] Kutsenko GI, et al. **Gig Sanit** 1987 Jan;(1):43-5 **(Rus)**

[Effect of passive smoking on the body] Sautkin MF. **Gig Sanit** 1986 Nov;(11):81 **(Rus)**

[Psychophysiologic indicators of safety in the occupational activities of locomotive drivers in the mines] Grebniak VP, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):22-5 (Eng. Abstr.) **(Rus)**

[Psychophysiologic criteria of safety in the work of electric locomotive operators in the mines] Zhuchenko IP. **Gig Tr Prof Zabol** 1986 Nov;(11):25-8 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the functional status of the visual analyzer of men and women during the performance of precision occupational operations] Okhremenko OR. **Oftalmol Zh** 1986;(8):463-5 (Eng. Abstr.) **(Rus)**

[Study of the reliability of pilot performance during long-term flights using automated control systems] Ponomerenko VA, et al. **Voen Med Zh** 1987 May;(5):43-5 **(Rus)**

[Psychomotor reactions of patients with postthyrotoxic encephalo-ophthalmopathy] Oleinik VA, et al. **Vrach Delo** 1986 Oct;(10):91-3 (Eng. Abstr.) **(Rus)**

[Role of a goal in determining neuronal activity of the motor and visual areas of the rabbit cortex] Aleksandrov IuI, et al. **Zh Vyssh Nerv Deiat** 1987 Jan-Feb;37(1):70-7 (Eng. Abstr.) **(Rus)**

[Psychophysiologic features of the "mastering reaction" in healthy subjects] Bacherikov NE, et al. **Zh Vyssh Nerv Deiat** 1986 Jul-Aug;36(4):632-7 (Eng. Abstr.) **(Rus)**

[Characteristics of the response of sensomotor cortex neurons of the cat during performance of rapid purposeful movements] Cherenkova LV, et al. **Zh Vyssh Nerv Deiat** 1987 Jan-Feb;37(1):54-61 (Eng. Abstr.) **(Rus)**

[Response asymmetry during mental loading in man] Rusalova MN, et al. **Zh Vyssh Nerv Deiat** 1987 May-Jun; 37(3):550-2 **(Rus)**

[Changes in the temporal parameters of purposeful movement of the right hand during exposure to a local static load] Smirnov AG, et al. **Zh Vyssh Nerv Deiat** 1986 Sep-Oct; 36(5):968-71 **(Rus)**

PSYCHONEUROSES see **NEUROTIC DISORDERS**

PSYCHOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY DISORDER**

PSYCHOPATHOLOGY

Conditioning as a research tool in psychopathology: methodological and interpretive problems. Ziskind E. **Pavlov J Biol Sci** 1979 Apr-Jun;14(2):128-32

EDUCATION

Problem-based learning of psychopathology in a traditional curriculum using multiple conceptual models. West DA, et al. **Med Educ** 1987 Mar;21(2):151-6

An approach to teaching and evaluating diagnostic reasoning. Chan CH, et al. **Proc Annu Conf Res Med Educ** 1986; 25:129-34

[Teaching psychopathology using the AMDP system in postgraduate education] Mombour W. **Acta Psychiatr Belg** 1987 Mar-Apr;87(2):159-64 (Eng. Abstr.) **(Fre)**

HISTORY

Who founded the American Psychopathological Association? Taylor E. **Compr Psychiatry** 1986 Sep-Oct;27(5):439-45

[Psychopathological pattern in the works of Maxim Gorky] Vul' FR. **Klin Med (Mosk)** 1987 May;65(5):141-4 **(Rus)**

METHODS

[Full-share integration of psychopathology in general or internal medicine thanks to the Szondi test. II. Principle and applications of the test] Fréchet M. **Biomed Pharmacother** 1987;41(1):9-12 **(Fre)**

[Full-share integration of psychopathology in general or internal medicine thanks to the Szondi test. I. An objective language and a quantitative method] Mathé G, et al. **Biomed Pharmacother** 1987;41(1):6-9 **(Fre)**

PSYCHOPHARMACEUTICALS see **PSYCHOTROPIC DRUGS**

PSYCHOPHARMACOLOGY

see related
PSYCHOTROPIC DRUGS

28th Psychopharmacology Meeting. Jesenik Spa, January 1986. Abstracts. **Act Nerv Super (Praha)** 1986 Dec; 28(4):292-333

Proceedings of the 15th Collegium Internationale Neuro-Psychopharmacologicum Congress. Puerto Rico, U.S.A., December 14-17, 1986. **Clin Neuropharmacol** 1986; 9 Suppl 4:1-584

Proceedings of the Congress of the AGNP (Society of Neuropsychopharmacology and Pharmacopsychiatry of the German-speaking countries. Nuremberg 1985. **Pharmacopsychiatry** 1986 Jul;19(4):127-348

Perspectives in Canadian neuro-psychopharmacology. Proceedings of the 9th annual meeting of the Canadian College of Neuro-psychopharmacology. Vancouver, British Columbia, May 20-23, 1986. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2-3):91-340

Annual NCDEU meeting 1986. Abridged proceedings. New Clinical Drug Evaluation Unit. May 27-29, 1986, Key Biscayne, Florida. **Psychopharmacol Bull** 1987;23(1):1-258

Applications of microcomputers to clinical trials in psychopharmacology. **Psychopharmacol Bull** 1987; 23(2):259-370

24th annual meeting of the ACNP (American College of Neuropsychopharmacology) 1985. Maui, Hawaii, December 1985. Abridged proceedings. **Psychopharmacol Bull** 1986;22(3):553-1044

Psychopharmacology--a recurring bibliography. **Psychopharmacol Bull** 1986;22(4):188p

Components of the design of psychopharmacology studies. Geller B. **Psychopharmacol Bull** 1986;22(4):1077-80

Microcomputers in managing psychopharmacology clinical trials. Smith WT, et al. **Psychopharmacol Bull** 1987; 23(2):269-71

Psychopharmacology, behavior modification, dynamic psychotherapy: towards an integrated approach. **Psychother Psychosom** 1986;46(1-2):1-104

The relations between psychopharmacology and clinical psychiatry. Pichot P. **Yakubutsu Seishin Kodo** 1986 Jun; 6(2):229-37

[Proceedings of 16th annual meeting of the Japanese Society of Neuropsychopharmacology. Abstracts] **Yakubutsu Seishin Kodo** 1987 Mar;7(1):1-293 **(Jpn)**

INSTRUMENTATION

An economically constructed and durable intracerebral cannula system for small rodents. Patterson TA, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):487-9

[Device for microinjection of fluids] Kravchenko VF, et al. **Zh Vyssh Nerv Deiat** 1987 Mar-Apr;37(2):384-5 **(Rus)**

METHODS

Research on the effects of psychodrugs on human interaction. A theoretical/experimental approach. De Giacomo P, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):417-24

TRENDS

Current views on endogenous ligands for opiate recognition sites. Cox BM. **Clin Neuropharmacol** 1986;9 Suppl 4:211-3

PSYCHOPHYSICS

see related
DIFFERENTIAL THRESHOLD

HISTORY

[Jozef Frank and Jedrzej Sniadecki versus the doctrine of John Brown] Płonka-Syroka B. **Arch Hist Filoz Med** 1986; 49(3):359-74 (Eng. Abstr.) **(Pol)**

METHODS

Correlation between ERG oscillatory potential and psychophysical contrast sensitivity in diabetes. Kawasaki K, et al. **Doc Ophthalmol** 1986;64(2):209-15

Beyond heart rate in the cardiac psychophysiological assessment of mental effort: the T-wave amplitude component of the electrocardiogram. Furedy JJ. **Hum Factors** 1987 Apr;29(2):183-94

Olfactory and nonolfactory odor detection in pigeons: elucidation by a cardiac acceleration paradigm. Walker JC, et al. **Physiol Behav** 1986 Oct;38(4):575-80

PSYCHOPHYSIOLOGIC DISORDERS

Sociopsychosomatic aspects of individual, familial and national suffering and pain. Bastiaans J. **Acta Neurochir [Suppl] (Wien)** 1987;38:105-10

A psychosomatic approach to idiopathic recurrences of anterior uveitis. Secchi AG, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):174-8

A few characteristic features of the patients with psychosomatic skin disturbances: a projective study. Paik MM, et al. **Indian J Dermatol** 1985 Jul;30(3):13-22

Can a colon burst from grief? [editorial] Spiro HM. **J Clin Gastroenterol** 1987 Jun;9(3):251-2

Pain in oral galvanism. Hampf G, et al. **Pain** 1987 Jun; 29(3):301-11

[Psychogenic galactorrhea (Nunes syndrome)] Cepický P, et al. **Cesk Gynekol** 1987 Mar;52(2):132-3 **(Cze)**

[Rumination as a psychosomatic phenomenon] Savlík J, et al. **Cesk Psychiatr** 1986 Aug;82(3-4):199-204 (Eng. Abstr.) **(Cze)**

[Psychosomatic complaints as the basis for thyroid scintigraphy] Goebel R, et al. **Fortschr Med** 1987 Jun 30; 105(19):373-5 (Eng. Abstr.) **(Ger)**

[Psychogenic voice disorders. Contribution of clinical psychology] Winkler F. **HNO** 1987 Jun;35(6):242-5 (Eng. Abstr.) **(Ger)**

[Personality traits of persons with borderline arterial hypertension and patients with essential hypertension] Tsikulin AE. **Kardiologiia** 1987 Jan;27(1):82-5 (Eng. Abstr.) **(Rus)**

BLOOD

[Effect of characterologic risk factors of ischemic heart disease on lipid metabolism indices in young persons during adaptation to long-term psychoemotional and physical loads] Polozhentsev SD, et al. **Kardiologiia** 1986 Dec; 26(12):62-5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Comparative severity of illness in patients with combined medical and psychiatric diagnoses. Dvoredsky AE, et al. **Psychosomatics** 1986 Sep;27(9):625-30

[Clinical features of acute phobias with somatovegetative disorders in neuroses and slowly progressive schizophrenia] Lakosina ND, et al. **Zh Nevropatol Psikhiatr** 1986; 86(11):1684-9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Intensive monitoring of psychogenic seizures, aggression, and dyscontrol syndromes. Ramani V. **Adv Neurol** 1987; 46:203-17

Psychological measurements in somatization and abnormal illness behavior. Kellner R. **Adv Psychosom Med** 1987; 17:101–18

Psychiatric aspects of dentistry. I. Scott J, et al. **Br Dent J** 1987 Aug 8;163(3):81–4, 86–7 (54 ref.)

Psychogenic skin disease: a review of 35 cases. Sheppard NP, et al. **Br J Psychiatry** 1986 Nov;149:636–43

Meige's syndrome: a neuropsychiatric disorder. Pakkenberg B, et al. **Compr Psychiatry** 1987 Jul–Aug;28(4):309–14

A holistic approach to stylalgia. Hampf G, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):549–52

Organic vs. psychogenic factors in visual dysfunction. Skjerdal AM. **J Am Optom Assoc** 1987 Feb;58(2):108–11

MMPI evaluation of erectile dysfunction: failure of organic vs. psychogenic decision rules. Levenson H, et al. **J Clin Psychol** 1986 Sep;42(5):752–4

Utility of the MMPI Pain Assessment Index in predicting outcome after lumbar surgery. Turner JA, et al. **J Clin Psychol** 1986 Sep;42(5):764–9

Psychogenic relapses in childhood epilepsy in puberty and adolescence. Groh C, et al. **J Neurol** 1987 Feb;234(2):97–9

Hysterical paraplegia. Baker JH, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):375–82

Psychogenic upper airway obstruction presenting as refractory wheezing. Barnes SD, et al. **J Pediatr** 1986 Dec; 109(6):1067–70

Psychosomatic diseases and the Rorschach test. Bash KW. **J Pers Assess** 1986 Fall;50(3):350–7 (7 ref.)

The psyche and the skin. Masters R. **Neurol Clin** 1987 Aug; 5(3):483–97 (55 ref.)

The MMPI and psychological factors in chronic low back pain: a review. Love AW, et al. **Pain** 1987 Jan;28(1):1–12 (73 ref.)

The high-achieving child. Lask B. **Postgrad Med J** 1986 Feb; 62(724):143–5

Psychosomatics and depression. Labhardt F. **Psychopathology** 1986;19 Suppl 2:162–4

Psychogenic seizures. Lesser RP. **Psychosomatics** 1986 Dec; 27(12):823–9

Low-back pain: a psychosomatic clinical study. Villard HP, et al. **Psychother Psychosom** 1986;45(2):78–83

Variations in the diagnosis of psychosocial disorders: a general practice observation study. Verhaak PF. **Soc Sci Med** 1986;23(6):595–604

Multiple somatic complaints in primary health care settings in tropical countries. Srinivasan K, et al. **Trop Doct** 1986 Jan;16(1):18–21

[Stress conditions and psychosomatic disease. I. Theoretical review] Laerum H. **Ugeskr Laeger** 1987 Jun 15; 149(25):1697–9 (Eng. Abstr.) **(Dan)**

[Can organic and functional abdominal complaints be distinguished on the basis of the anamnesis and psychological examination?] Bleijenberg G, et al. **Ned Tijdschr Geneeskd** 1987 Feb 14;131(7):273–8 (Eng. Abstr.) **(Dut)**

[Unrecognized physical symptoms and conversion (letter)] Garssen B. **Ned Tijdschr Geneeskd** 1987 Apr 18; 131(16):683–4 **(Dut)**

[Misunderstood physical symptoms and conversion] Rooijmans HG. **Ned Tijdschr Geneeskd** 1986 Nov 29; 130(48):2174–8 **(Dut)**

[Can organic and functional abdominal symptoms be differentiated on the basis of anamnesis and psychological testing? (letter)] van Goor C. **Ned Tijdschr Geneeskd** 1987 Mar 21;131(12):508–9 **(Dut)**

[Asthma cough (letter)] Köpp W. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):78 **(Ger)**

[Psychosomatic aspects of parent–child relations in atopic eczema in childhood. I. Psychodiagnostic test procedures in parents and children in comparison with somatic findings] Ring J, et al. **Hautarzt** 1986 Oct;37(10):560–7 (Eng. Abstr.) **(Ger)**

[Psychosomatic and psychosocial diagnoses at the Zurich University pediatric clinic. A retrospective study of ambulatory patients 1973 to 1982] Wohnlich HR, et al. **Helv Paediatr Acta** 1985 Jul;40(2–3):101–16 (Eng. Abstr.) **(Ger)**

[Vestibulospinal reflexes in differentiating between organic and functional (psychogenic) causes of vertigo] Allum JH, et al. **HNO** 1987 Mar;35(3):128–35 (Eng. Abstr.) **(Ger)**

[Differential diagnostic value of postictal serum prolactin determination] Mautner VF, et al. **Nervenarzt** 1987 Jul; 58(7):456–8 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of psychogenic reactions and organic diseases in childhood] Laube I. **Padiatr Grenzgeb** 1986; 25(5):405–8 (Eng. Abstr.) **(Ger)**

[A case from practice (81). Patient: Mrs. C.S., 17 years of age.] Fellmann M. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):642–3 **(Ger)**

[Differential diagnosis of epileptic and psychogenic seizures] Karbowski K. **Schweiz Rundsch Med Prax** 1987 Jun 2; 76(23):675–80 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of psychosomatic deglutition disorders] Stacher G. **Wien Klin Wochenschr** 1986 Oct 10; 98(19):658–63 (Eng. Abstr.) **(Ger)**

[Psychogenic bronchial asthma] Müller KP, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):103–8 (Eng. Abstr.) **(Ger)**

[Functional muscular abdominal distension—a case report] Lössner C, et al. **Z Gesamte Inn Med** 1986 Sep 15; 41(18):510–2 (Eng. Abstr.) **(Ger)**

[Psychogenic movement disorders in the mental handicapped. Differential diagnosis and therapy. Case report] Hoffmeyer O, et al. **Z Kinder Jugenpsychiatr** 1986; 14(3):212–9 (Eng. Abstr.) **(Ger)**

[Decisions of the physician in a psychoanalytic interview. Patient characteristics in the initial psychodiagnostic interview] Janta B, et al. **Z Psychosom Med Psychoanal** 1987;33(1):20–31 (Eng. Abstr.) **(Ger)**

[Use of the Minnesota Multiphasic Personality Inventory (MMPI) in the evaluation of personality disorders in patients with bronchial asthma] Franiczek W, et al. **Wiad Lek** 1987 Feb 1;40(3):158–62 (Eng. Abstr.) **(Pol)**

[Clinico-psychological characteristics of patients with psychogenic amenorrhea in puberty] Mikirtumov BE. **Akush Ginekol (Mosk)** 1987 Mar;(3):23–6 (Eng. Abstr.) **(Rus)**

[Diagnostic criteria for disorders of small intestine function] Aleksandrova NI, et al. **Pediatriia** 1986 Sep;(9):70–1 **(Rus)**

[Diagnostic value of electropunctometry in reflexotherapy] Tabeeva DM. **Sov Med** 1987;(3):44–7 (36 ref.) **(Rus)**

[Role of somatic factors in the clinical picture and therapy of so-called masked depressions] Avrutskiĭ GIa, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):573–8 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of the anxiety syndrome] Popov Kh. **Zh Nevropatol Psikhiatr** 1986;86(11):1671–6 (Eng. Abstr.) **(Rus)**

[Psychosomatic tension headache in children—a review] Alfvén G. **Lakartidningen** 1986 Nov 5;83(45):3827–8 **(Swe)**

DRUG THERAPY

Lorazepam for psychogenic catatonia. Salam SA, et al. **Am J Psychiatry** 1987 Aug;144(8):1082–3

Neurotic depression accompanied by somatic symptoms: a double-blind comparison of flupenthixol and diazepam in general practice. Grillage M. **Pharmatherapeutica** 1986; 4(9):561–70

Psychosomatic symptoms of postmenopausal women with or without hormonal treatment. Iatrakis G, et al. **Psychother Psychosom** 1986;46(3):116–21

[Flupentixol (Fluanxol) or diazepam in the treatment of various psychosomatic conditions. A controlled double-blind multicenter study] Damsbo N, et al. **Ugeskr Laeger** 1986 Dec 29;149(1):12–6 (Eng. Abstr.) **(Dan)**

[Neuroleptics and tranquilizers: indications and dangers] Möller HJ. **Med Klin** 1986 May 16;81(11):385–8 **(Ger)**

[Use of pimozide in the treatment of dermatoses of psychogenic origin] Delfino M, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):139–41 (Eng. Abstr.) **(Ita)**

[Treatment of functional disorders of the digestive system with combination therapy] Carilli L, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar;33(1):71–81 (Eng. Abstr.) **(Ita)**

[Nitrazepam versus placebo in psychosomatic syndromes] Chiriță V, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):459–64 (Eng. Abstr.) **(Rum)**

[Clinico-hemodynamic effects of psychotropic preparations and psychosomatic correlations in cardiac rhythm disorders] Petrova TR, et al. **Ter Arkh** 1986;58(11):97–101 (Eng. Abstr.) **(Rus)**

ETHNOLOGY

Foreign student syndrome: fact or fable? Allen FC, et al. **J Am Coll Health** 1987 Jan;35(4):182–6

Anthropologic aspects of occupational illness epidemics. Hocking B. **J Occup Med** 1987 Jun;29(6):526–30

ETIOLOGY

Micturition and the mind: psychological factors in the aetiology and treatment of urinary symptoms in women. Macaulay AJ, et al. **Br Med J** 1987 Feb 28;294(6571):540–3

Recollection of childhood events in adults with irritable bowel syndrome. Lowman BC, et al. **J Clin Gastroenterol** 1987 Jun;9(3):324–30

Epidemiologic features that may distinguish between building-associated illness outbreaks due to chemical exposure or psychogenic origin. Guidotti TL, et al. **J Occup Med** 1987 Feb;29(2):148–50

Stress and medical illness in the elderly. Sussman N. **Mt Sinai J Med (NY)** 1987 Jan;54(1):41–6 (45 ref.)

[Stress conditions and psychosomatic disease. II. Clinical examples and sociomedical practice] Laerum H. **Ugeskr Laeger** 1987 Jun 22;149(26):1773–5 **(Dan)**

[Stress conditions and psychosomatic disease. III. The concept of disease and social medicine with special reference to pension practice] Laerum H. **Ugeskr Laeger** 1987 Jun 22;149(26):1775–7 **(Dan)**

[Role of psychological factors in cancerogenesis and the development of cancerous disease] Raimbault E. **Bull Cancer (Paris)** 1986;73(6):719–22 (Eng. Abstr.) **(Fre)**

[Changes in functional and psychological disorders in a 5-year period in teachers and managers] Buhr J, et al. **Z Gesamte Hyg** 1986 Sep;32(9):569–71 (Eng. Abstr.) **(Ger)**

[Impact of psychosomatic factors in dermatologic pathology. A questionnaire research on the evaluation of dermatology specialists and general physicians] Meluzzi A, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):253–60 (Eng. Abstr.) **(Ita)**

[Work with video display terminals: evaluation of psychosomatic aspects in a group of VDT operators] Olivetti G, et al. **G Ital Med Lav** 1985 Sep–Nov; 7(5–6):245–8 (Eng. Abstr.) **(Ita)**

[Pregnancy hyperemesis as rejection of socioeconomic dependence. A psychosomatic hypothesis] Gasparini M, et al. **Minerva Ginecol** 1987 Apr;39(4):281–4 (Eng. Abstr.) **(Ita)**

[Gastric and duodenal ulcers as occupational psychosomatic diseases] Kumai M, et al. **Sangyo Igaku** 1986 May; 28(3):170–6 (Eng. Abstr.) **(Jpn)**

[Pain and depression] Pużyński S. **Psychiatr Pol** 1986 May–Jun;20(3):169–77 **(Pol)**

[Psychologic aspects of patients with bronchial asthma] Ciesielska-Kopacz N. **Wiad Lek** 1986 Dec 1;39(23):1624–7 (23 ref.) (Eng. Abstr.) **(Pol)**

[Psychosocial risk factors and their significance in the etiology of tuberculosis] Pecyna MB. **Wiad Lek** 1986 Aug 15;39(16):1106–14 (Eng. Abstr.) **(Pol)**

[Clinical observations on the psychopathological manifestations of systemic lupus erythematosus] Grecu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Jan–Mar; 32(1):43–55 (Eng. Abstr.) **(Rum)**

[Problem of the association of psychological and somatic pathology] Zharikov NM, et al. **Klin Med (Mosk)** 1986 Jul;64(7):19–23 **(Rus)**

[Psychoautonomic and somatic correlations and clinical significance in patients with chronic gastritis] Gamerova GS, et al. **Ter Arkh** 1987;59(2):69–72 (Eng. Abstr.) **(Rus)**

[Physical health and mental disease. An epidemiologic analysis] Vázquez-Barquero JL, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 May–Jun;15(3):151–63 (Eng. Abstr.) **(Spa)**

[Dyspnea in patients with toxic oil syndrome. Origin psychosomatic or secondary to a pulmonary functional change? (letter)] Díaz de Atauri MJ, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):523 **(Spa)**

HISTORY

[Melancholia and cancer: changes in the psychosomatic interpretation of cancer from the medico-historical viewpoint] Schwarz R. **Z Psychosom Med Psychoanal** 1987; 33(2):101–10 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Genetic and biological markers in psychosomatic research. Lotstra F, et al. **Adv Psychosom Med** 1987;17:252–64

Immunological effects of psychological stressors: a review of the literature. Workman EA, et al. **Int J Psychosom** 1987;34(1):35–40

Psychological factors and immunity. Baker GH. **J Psychosom Res** 1987;31(1):1–10

Behavioral influences on the immune system: stress and conditioning. Irwin J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):137–43

Stress, immunity and illness—a review. Dorian B, et al. **Psychol Med** 1987 May;17(2):393–407

Psychological influences on immunity. Kiecolt-Glaser JK, et al. **Psychosomatics** 1986 Sep;27(9):621–4

[Psychoneuro-immunology—meaning and applications in medicine] Naor S. **Harefuah** 1986 May 1;110(9):454–8 (40 ref.) **(Heb)**

MORTALITY

Psychological factors and death from asthma: creation and critique of a myth. Creer TL. **J Asthma** 1986;23(5):261–9

OCCURRENCE

Child health in a large-scale Ethiopian institution—the Children's Village. II. Psychosomatic health. Bågenholm G, et al. **Ethiop Med J** 1987 Jan;25(1):9–14

Epidemiological enquiries into a school outbreak of an unusual illness. Goh KT. **Int J Epidemiol** 1987 Jun; 16(2):265–70

Psychosomatic symptoms among 14–16 year old Finnish adolescents. Aro H, et al. **Soc Psychiatry** 1987;22(3):171–6

PHYSIOPATHOLOGY

[Psychophysiology and occupational medicine] Scheuch K. **Z Psychol** 1986;194(3):343–53 (Eng. Abstr.) **(Ger)**

[The visual field in psychogenic disorders] Kuroiwa M. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1490–8 (Eng. Abstr.) **(Jpn)**

[A case presenting ataxie optique as a core symptomatology, complicated with impairment of visual attention and right lower homonymous quadrantanopsia] Chiba S, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):194–9 (Eng. Abstr.) **(Jpn)**

[Pain and depression] Pużyński S. **Postepy Hig Med Dosw** 1986 Jul–Aug;40(4):492–503 (32 ref.) (Eng. Abstr.) **(Pol)**

[Physiology and pathology of cortico-visceral relations as the scientific basis for psychosomatic medicine] Suvorov NF. **Fiziol Zh SSSR** 1986 Aug;72(8):1016–26 **(Rus)**

PSYCHOLOGY

Psychogenic pain: a study of marital adjustment. Hughes AM, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):166–70

Phase-specific symptomatic response to sibling loss in late adolescence. Widen HA. **Adolesc Psychiatry** 1987; 14:218–29

Empirical study of alexithymia: methodology and results. Ahrens S, et al. **Am J Psychother** 1986 Jul;40(3):430–47 (42 ref.)

The "disease-prone personality". A meta-analytic view of the construct. Friedman HS, et al. **Am Psychol** 1987 Jun; 42(6):539–55

Psychiatric symptoms, social disablement and illness behaviour. Hurry J, et al. **Aust NZ J Psychiatry** 1987 Mar; 21(1):68–73

Non-organic failure to thrive and conservation-withdrawal reaction [letter] Menahem S. **Aust Paediatr J** 1986 Nov; 22(4):327

Sudden idiopathic hearing loss: psychopathology and antecedent stressful life-events. Neuser J, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):245–51

Hysteria, play-acting and courage. Taylor DC. **Br J Psychiatry** 1986 Jul;149:37–41

The impact of timing of puberty on psychosomatic symptoms among fourteen- to sixteen-year-old Finnish girls. Aro H, et al. **Child Dev** 1987 Feb;58(1):261–8

Psychosomatic illness in childhood and adolescence. Clinical considerations. Stark T, et al. **Clin Pediatr (Phila)** 1986 Nov; 25(11):549–54

Epistemology, family patterns, and psychosomatics: the case of obesity. Ganley RM. **Fam Process** 1986 Sep;25(3):437–51

Psoriasis and psychiatry: an update. Gupta MA, et al. **Gen Hosp Psychiatry** 1987 May;9(3):157–66

Personality and behavioural characteristics in pediatric migraine. Cunningham SJ, et al. **Headache** 1987 Jan; 27(1):16–20

Social support, life stress, and subsequent medical care utilization. Pilisuk M, et al. **Health Psychol** 1987;6(4):273–88

Psychosomatic stridor and wheezing. Brashear RE. **Indiana Med** 1987 May;80(5):444–6

Psychosomatic dyspnea. Brashear RE. **Indiana Med** 1987 Jan; 80(1):24–6

Psychopathology in medical inpatients and its relationship to length of hospital stay: a pilot study. Levenson JL, et al. **Int J Psychiatry Med** 1986–87;16(3):231–6

Non-verbal behaviour and body organ fantasies. Their relation to body image formation and symptomatology. Anthi PR. **Int J Psychoanal** 1986;67 (Pt 4):417–28

A psychosomatic maelstrom: a case study of a patient with multiple deleterious clinical psychophysiological manifestations. Porter J, et al. **Int J Psychosom** 1987; 34(1):29–34

Psychoanalytic theory of psychosomatic patients. Lowental U. **Isr J Psychiatry Relat Sci** 1986;23(2):139–46

Adolescence, stress, and psychosomatic issues. Orr D. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):97S–108S (46 ref.)

Antecedents of adolescent psychoses: a population-based study of school health problems in children who develop psychosis in adolescence. Hellgren L, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):351–5

Factitial dermatitis resulting in paraplegia [letter] Burket JM, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):306–7

Relative weight, smoking, and mental health as predictors of sickness and absence from work. Parkes KR. **J Appl Psychol** 1987 May;72(2):275–86

Life events do not predict symptoms: symptoms predict symptoms. Grant I, et al. **J Behav Med** 1987 Jun; 10(3):231–40

The relationship of anger expression to health problems among black Americans in a national survey. Johnson EH, et al. **J Behav Med** 1987 Apr;10(2):103–16

Utility of the MMPI Pain Assessment Index in predicting outcome after lumbar surgery. Turner JA, et al. **J Clin Psychol** 1986 Sep;42(5):764–9

Daily versus major life events as predictors of symptom frequency: a replication study. Jandorf L, et al. **J Gen Psychol** 1986 Jul;113(3):205–18

Unemployment and health in a community sample. Kessler RC, et al. **J Health Soc Behav** 1987 Mar;28(1):51–9

Temporal relationship between life events and two illness measures: a cross-lagged panel analysis. Antoni MH. **J Human Stress** 1985 Spring;11(1):21–6

Correlates of psychosomatic stress symptoms among farm women: a research note on farm and family functioning. Berkowitz AD, et al. **J Human Stress** 1985 Summer; 11(2):76–81

Relationships among negative life events, physiological reactivity, and health symptomatology. Cohen LH, et al. **J Human Stress** 1986 Winter;12(4):142–8

Health status as a mediating factor in the life change-academic performance relationship. Garrity TF, et al. **J Human Stress** 1985 Fall;11(3):118–24

Introspectiveness and adolescent symptom reporting. Hansell S, et al. **J Human Stress** 1985 Winter;11(4):165–76

Exploring the impact of a natural disaster on the health and psychological well-being of older adults. Krause N. **J Human Stress** 1987 Summer;13(2):61–9

Changes in daily event frequency precede episodes of physical symptoms. Stone AA, et al. **J Human Stress** 1987 Summer;13(2):70–4

Neuroticism, somatic complaints, and disease: is the bark worse than the bite? Costa PT Jr, et al. **J Pers** 1987 Jun; 55(2):299–316

Personality and health in the 1980s: psychosomatic medicine revisited? Holroyd KA, et al. **J Pers** 1987 Jun;55(2):359–75

Social motives and susceptibility to disease: stalking individual differences in health risks. Jemmott JB 3d. **J Pers** 1987 Jun;55(2):267–98

Psychobiological factors predicting the course of breast cancer. Jensen MR. **J Pers** 1987 Jun;55(2):317–42

Some cautions for research on personality and health. Krantz DS, et al. **J Pers** 1987 Jun;55(2):351–7

Explanatory style and illness. Peterson C, et al. **J Pers** 1987 Jun;55(2):237–65

Personality and physical health: an introduction. Suls J, et al. **J Pers** 1987 Jun;55(2):155–67

The costs and benefits of optimistic explanations and dispositional optimism. Tennen H, et al. **J Pers** 1987 Jun; 55(2):376–93

Self-complexity as a cognitive buffer against stress-related illness and depression. Linville PW. **J Pers Soc Psychol** 1987 Apr;52(4):663–76

The psychophysiology of confession: linking inhibitory and psychosomatic processes. Pennebaker JW, et al. **J Pers Soc Psychol** 1987 Apr;52(4):781–93

The accuracy of dating childhood life events on a parental questionnaire. Bailey D, et al. **J Psychosom Res** 1986; 30(6):655–62

Response to symptoms in healthy, low utilizers of the health care system. Egan KJ, et al. **J Psychosom Res** 1987; 31(1):11–21

Body image and its disturbances. Lacey JH, et al. **J Psychosom Res** 1986;30(6):623–31

The psychological aspects of essential hypertension. Mann AH. **J Psychosom Res** 1986;30(5):527–41

Relationship between perceived job stress and physical and psychological strain among university administrators. Orpen C, et al. **Percept Mot Skills** 1986 Dec;63(3):1137–8

Comparison of the Milwaukee Neurotic Trait Screening Scale with the Symptom Check List. Young LD, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):855–9

Life stress and psychosomatic symptoms among 14 to 16-year old Finnish adolescents. Aro H. **Psychol Med** 1987 Feb; 17(1):191–201

Role of prior illness, stress, and personality in predicting illness. Elliott GW, et al. **Psychol Rep** 1987 Apr;60(2):582

Influence of aerobic exercise training and relaxation training on physical and psychologic health following stressful life events. Roth DL, et al. **Psychosom Med** 1987 Jul-Aug; 49(4):355–65

Representation of psychosomatic disturbances: metaphor and metonymy. Carta I, et al. **Psychother Psychosom** 1986; 46(4):177–83

Personality pattern of patients with chronic gastric ulcer: a case control study. Magni G, et al. **Psychother Psychosom** 1986;46(3):152–6

The mind-body problem from a medical perspective. Warnes H, et al. **Psychother Psychosom** 1986;46(3):138–46 (27 ref.)

The psychological facet of psychosomatic disturbances. Weinryb R, et al. **Scand J Gastroenterol [Suppl]** 1987; 130:47–54

Multiple somatic complaints [letter] Kennedy I. **Trop Doct** 1986 Jul;16(3):104

[Psychological and sexual sequelae of hysterectomy] Gijsbers van Wijk CM, et al. **Ned Tijdschr Geneeskd** 1987 May 2; 131(18):758–62 (Eng. Abstr.) **(Dut)**

[Nausea and vomiting before the administration of cytostatic agents] van Dam FS, et al. **Ned Tijdschr Geneeskd** 1986 Aug 16;130(33):1479–81 (Eng. Abstr.) **(Dut)**

[Construction of questionnaires for the study of psychological components in the etiology of somatic diseases. The example of prematurity] Mamelle N, et al. **Acta Psychiatr Belg** 1986 Sep-Oct;86(5):594–9 (Eng. Abstr.) **(Fre)**

[Psychogenic urinary retention. Comparison with other psychogenic sphincter disorders] Robain G, et al. **Acta Urol Belg** 1986;54(4):402–8 (Eng. Abstr.) **(Fre)**

[Childhood asthma] Scharbach H. **Ann Med Psychol (Paris)** 1986 Mar;144(3):289–94 **(Fre)**

[Psychogenic polydipsia with hyponatremia] Schmitt L, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):429–36 **(Fre)**

[Psychosocial events at risk] Masson D. **Schweiz Med Wochenschr** 1987 Jan 17;117(3):103–6 (Eng. Abstr.) **(Fre)**

[Psychosomatic aspects of diseases of the neck, nose and ears] Hoffmann SO. **Arch Otorhinolaryngol [Suppl]** 1986;2:201–10 **(Ger)**

[Psychological and psychosocial aspects of obesity] Luban-Plozza B. **Bibl Nutr Dieta** 1986;(39):37–49 **(Ger)**

[Psychological factors of dysmenorrhea] Jandl-Jager E, et al. **Gynakol Rundsch** 1987;27(2):65–70 (Eng. Abstr.) **(Ger)**

[Incidence and psychosocial conditions of premature labor] Teichmann AT. **Gynakologe** 1987 Mar;20(1):14–9 **(Ger)**

[Psychosomatic aspects of parent-child relations in atopic eczema in childhood. II. Child-rearing style, the family situation in a drawing test and structured interview] Ring J, et al. **Hautarzt** 1986 Nov;37(11):609–17 (Eng. Abstr.) **(Ger)**

[Paradigm change in medicine. Principles of ecologic medicine] Begemann H. **Med Klin** 1986 Jan 31;81(2):64–8 **(Ger)**

[Disease as a fate of being ill?] Hartmann F. **Med Klin** 1987 Feb 13;82(3):119–26 **(Ger)**

[Conflict in sibling numbers and its effect on neuroses, diseases and everyday behavior] Langenmayr A. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb-Mar; 36(2):36–9 (Eng. Abstr.) **(Ger)**

[The father and his child with bronchial asthma. Attempt at an analysis of relations] Zimmermann F. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):92–7 (Eng. Abstr.) **(Ger)**

[Does psychoanalysis neglect the body?] Bittner G. **Psyche (Stuttg)** 1986 Aug;40(8):709–34 (Eng. Abstr.) **(Ger)**

[Alopecia--a psychosomatic disease picture? I. Review of the literature] Egle UT, et al. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):31–5 (Eng. Abstr.) **(Ger)**

[Diseases of the elderly] Heim E. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):321–2 **(Ger)**

[Systematic analogy and early organization of affect, physiologic adaptation and ego structure with reference to the development of individual psychosomatic constellation patterns] Juli D. **Psychother Psychosom Med Psychol** 1987 Feb;37(2):44–52 (Eng. Abstr.) **(Ger)**

["The classical I call healthy, and the romantic sickly" (Goethe). Literary scientific reflections on the relation of disease and health] Mandelkow KR. **Psychother Psychosom Med Psychol** 1987 Mar-Apr; 37(3–4):142–7 (Eng. Abstr.) **(Ger)**

[Contribution of psychosocial factors to the outbreak and course of acute viral hepatitis--report of a pilot study] Paar GH, et al. **Psychother Psychosom Med Psychol** 1987 Jan; 37(1):23–30 (Eng. Abstr.) **(Ger)**

[Health, luck, and satisfaction in the light of a catamnestic study of psychiatric patients and healthy probands] von Zerssen D, et al. **Psychother Psychosom Med Psychol** 1987 Mar-Apr;37(3–4):83–96 (Eng. Abstr.) **(Ger)**

[Origin of functional disorders in geriatrics] Wertheimer J. **Psychother Psychosom Med Psychol** 1986 Nov; 36(11):327–32 (Eng. Abstr.) **(Ger)**

[Empirical assessment of alexithymia using the semantic differential] Zepf S, et al. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):15–22 (Eng. Abstr.) **(Ger)**

[The case from practice (73). Patient: Mr. P.G., born 9-5-1948] Fellmann M. **Schweiz Rundsch Med Prax** 1987 Feb 3;76(6):145–6 **(Ger)**

[Psychosomatic factors in sterility] Koller A, et al. **Ther Umsch** 1987 May;44(5):391–4 (Eng. Abstr.) **(Ger)**

[Social aspects of psychoneurotic diseases] Berndt H. **Z Arztl Fortbild (Jena)** 1986;80(12):473–4 **(Ger)**

[Social and individual aspects of functional neurotic disorders (assessment of a survey of a rural practice)] Kallweit I. **Z Arztl Fortbild (Jena)** 1987;81(7):317–20 **(Ger)**

[Psychological aspects of managing patients with asthma from the internal medicine viewpoint] Meister W, et al. **Z Arztl Fortbild (Jena)** 1986;80(20):835–8 **(Ger)**

[Some social aspects of psychosomatic diseases in internal medicine patients] Schüler H, et al. **Z Arztl Fortbild (Jena)** 1986;80(12):495–8 **(Ger)**

[Psychosomatic aspects of diabetes mellitus in adolescence--a case report] Edler H. **Z Kinder Jugenpsychiatr** 1986; 14(4):328–40 (Eng. Abstr.) **(Ger)**

[Understanding psychosomatic and somatopsychological processes. Contributions of psychoanalysis] Janssen PL. **Z Klin Psychol Psychopathol Psychother** 1987;35(1):62–73 **(Ger)**

[Personality markers in cancer patients--cause or sequela?] Schwarz R. **Z Klin Psychol Psychopathol Psychother** 1986; 34(3):205–16 **(Ger)**

[Disease and truth. On the dialectic between body and soul] Wyss D. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):368–75 **(Ger)**

[Alexithymia without end? Attempt at a summary] Ahrens S. **Z Psychosom Med Psychoanal** 1987;33(3):201–20 (Eng. Abstr.) **(Ger)**

[Differentiation of colitis and Crohn disease patients based on psychosocial variables] Ahrens S, et al. **Z Psychosom Med Psychoanal** 1986;32(4):301–15 (Eng. Abstr.) **(Ger)**

[Ulcer disease. Studies of patients with chronic recurrent duodenal ulcer in an attempt to differentiate subgroups based on age at disease onset, psychopathologic and biographical data] Biebl W, et al. **Z Psychosom Med Psychoanal** 1986;32(3):272–82 (Eng. Abstr.) **(Ger)**

[Psychosomatic findings in orofacial pain dysfunction syndrome] Lamprecht F, et al. **Z Psychosom Med Psychoanal** 1986;32(4):382–93 (Eng. Abstr.) **(Ger)**

[Childhood stress and neurosis--results of a control group study] Lieberz K, et al. **Z Psychosom Med Psychoanal** 1987; 33(2):111–8 (Eng. Abstr.) **(Ger)**

[Social support and psychogenic disease. Results of an epidemiologic field study] Manz R, et al. **Z Psychosom Med Psychoanal** 1987;33(2):162–70 (Eng. Abstr.) **(Ger)**

[Secret self mutilation, a psychosomatic disease] Plassmann R, et al. **Z Psychosom Med Psychoanal** 1986;32(4):316–36 (Eng. Abstr.) **(Ger)**

[Effect of emotional problems on the course of idiopathic spasmodic torticollis] Rentrop E, et al. **Z Psychosom Med Psychoanal** 1987;33(1):42–51 (Eng. Abstr.) **(Ger)**

[Inhibition of expression as a component of psychosomatic disorders] Traue HC. **Z Psychosom Med Psychoanal** 1986; 32(4):349–60 (Eng. Abstr.) **(Ger)**

[Psychosomatics—a balancing enterprise?] Zander W. **Z Psychosom Med Psychoanal** 1986;32(3):201–15 (Eng. Abstr.) **(Ger)**

[Significance of physical activity for the patient with rheumatism—some psychosomatic reflections] Seidl O. **Z Rheumatol** 1986 Jul–Aug;45(4):146–51 (Eng. Abstr.) **(Ger)**

[Configuration frequency analyses of psychiatric symptoms in climacteric females] Enzelsberger H. **Zentralbl Gynakol** 1987;109(5):289–94 (Eng. Abstr.) **(Ger)**

[Psychosomatic disorders in the children of alcoholic fathers] Suzuki K, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1987 Mar;22(1):25–40 (Eng. Abstr.) **(Jpn)**

[Personality and bronchial asthma] Czubalski K. **Pol Tyg Lek** 1986 Aug 25;41(34):1068–70 (Eng. Abstr.) **(Pol)**

[Psychological problems of patients with bacteriologically confirmed pulmonary tuberculosis, psychosomatic diseases and neuroses and of healthy persons] Pecyna MB. **Wiad Lek** 1987 Feb 1;40(3):145–52 (Eng. Abstr.) **(Pol)**

[Psychosomatic balancing] Sorokina TT, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1730–2 **(Rus)**

[Alexithymia and verbal intelligence: lateralization or hemispheric dificit?] Núñez P, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Sep–Oct;14(5):392–8 (Eng. Abstr.) **(Spa)**

[Psychosomatics of alopecia areata: apropos of 43 cases] Mendoza Berjano E. **An Esp Pediatr** 1987 Apr;26(4):263–6 (Eng. Abstr.) **(Spa)**

REHABILITATION

[Participation of psychotherapy in internal medicine–psychosomatic rehabilitation of patients with Crohn disease] Kauert–Habersetzer A, et al. **Off Gesundheitswes** 1986 Nov;48(11):623–6 (Eng. Abstr.) **(Ger)**

[Psychosomatic rehabilitation in pension procedures] Oberdalhoff HE. **Psychother Psychosom Med Psychol** 1987 Feb;37(2):53–7 (Eng. Abstr.) **(Ger)**

[Behavior therapy in functional syndromes] Nau F. **Rehabilitation (Stuttg)** 1987 May;26(2):77–9 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic aspects of the rehabilitation of children with chronic diseases of the digestive system] Belousov IuV, et al. **Pediatriia** 1986 Aug;(8):46–50 **(Rus)**

THERAPY

Therapist's and client's perceptions in behaviour therapy: the development and cross–cultural analysis of an assessment instrument. Bennun I, et al. **Br J Clin Psychol** 1986 Nov; 25 (Pt 4):275–83

Locus of control and clients' expectations of psychotherapeutic outcome. Foon AE. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):161–71

Minuchin's psychosomatic family model revised: a concept–validation study using a multitrait–multimethod approach. Kog E, et al. **Fam Process** 1987 Jun;26(2):235–53

Assessment of patient–staff and intrastaff problems in psychiatric consultations. Hengeveld MW, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):25–30

Application of systems principles in consultation–liaison psychiatry. Kalayam B. **Gen Hosp Psychiatry** 1987 May; 9(3):174–8

The geriatric patient and general hospital psychiatry. Liptzin B. **Gen Hosp Psychiatry** 1987 May;9(3):198–202

A British view of liaison psychiatry. Mayou R. **Gen Hosp Psychiatry** 1987 Jan;9(1):18–24

Meditation as a clinical intervention strategy: a brief review. Delmonte MM. **Int J Psychosom** 1986;33(3):9–12

Psychosocial treatment of the refractory patient with irritable bowel syndrome [editorial] Drossman DA. **J Clin Gastroenterol** 1987 Jun;9(3):253–5

Theoretical considerations and applications of relaxation training for children. Bruno–Golden B. **J R Soc Health** 1987 Apr;107(2):51–4

Evaluation of a psychological treatment programme for climacteric women. Greene JG, et al. **Maturitas** 1987 Apr; 9(1):41–8

Initial relaxation response: contrasts between clinical patients and normal volunteers. Schneider HG, et al. **Percept Mot Skills** 1987 Feb;64(1):147–53

Paruresis: overview and implications for treatment. Zgourides GD. **Psychol Rep** 1987 Jun;60(3 Pt 2):1171–6

Evaluation of therapeutic outcome: some reflections on methodology. Gullestad S. **Psychother Psychosom** 1986; 46(3):110–5

Integrated psychotherapeutic treatment of somatoform and other psychophysiological disorders. Moss E, et al. **Psychother Psychosom** 1986;45(2):105–12

Abnormal illness behaviour (dysnosognosia). Pilowsky I. **Psychother Psychosom** 1986;46(1–2):76–84

Influence of partnership on the outcome of psychotherapy. Riehl A. **Psychother Psychosom** 1986;45(1):37–45

Countertransference responses in short–term dynamic psychotherapy. Vaslamatzis G, et al. **Psychother Psychosom** 1986;46(3):105–9

Psychosomatic medicine: integrating dynamic, behavioral and biological perspectives. Wise TN. **Psychother Psychosom** 1986;46(1–2):85–95

Changes in self–reported experienced health and psychosomatic symptoms in voluntary participants in a 1–year extensive newspaper exercise campaign. Andersson G, et al. **Scand J Soc Med** 1986;14(3):141–6

[Therapeutic agents and therapeutic methods, an alternative approach] Ariëns EJ. **Ned Tijdschr Geneeskd** 1987 Apr 4; 131(14):571–6 **(Dut)**

[Chronic somatisizing autoaggression—imminent psychosomatic decompensation (IPD)—crisis and intervention] Gathmann P, et al. **Crisis** 1986 Mar;7(1):14–23 (Eng. Abstr.) **(Ger)**

[Psychotherapy of peptic ulcer? Expectations and reality] Stacher G. **Fortschr Med** 1986 Dec 9;104 Suppl 3:929–32 (Eng. Abstr.) **(Ger)**

[Therapy of psychogenic aphonias using endolaryngeal faradization] Bigenzahn W, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):659–61 (Eng. Abstr.) **(Ger)**

[The short summer of psychoanalysis. Remarks on a current conflict] Becker H. **Psyche (Stuttg)** 1987 Mar;41(3):254–62 **(Ger)**

[Readiness for professional psychotherapy] Köhle P. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Dec; 38(12):722–7 (Eng. Abstr.) **(Ger)**

[Aspects of process diagnosis in the psychotherapy of psychosomatic diseases] Schuchart E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):572–8 (Eng. Abstr.) **(Ger)**

[Fairy tale drama—an inpatient group psychotherapeutic method for patients with ego disorders] Garde T, et al. **Psychiatr Prax** 1987 Jul;14(4):137–41 (Eng. Abstr.) **(Ger)**

[Possibilities of behavior therapy in neurologic practice] Klepsch R, et al. **Psychiatr Prax** 1987 Jul;14(4):121–6 (Eng. Abstr.) **(Ger)**

[Autogenic training in the elderly] Hirsch RD. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):233–6 (Eng. Abstr.) **(Ger)**

[Psychotherapy in psychogeriatric institutions—principles] Jonquière M. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):333–6 (Eng. Abstr.) **(Ger)**

[Current trends in evaluation research in psychotherapy and its significance for psychosomatic medicine] Kächele H. **Psychother Psychosom Med Psychol** 1986 Sep–Oct; 36(9–10):307–12 (Eng. Abstr.) **(Ger)**

[Assessment of the German health resort from a cultural anthropologic viewpoint] Maretzki TW. **Psychother Psychosom Med Psychol** 1987 Jul;37(7):248–54 (Eng. Abstr.) **(Ger)**

[Forms and possibilities of psychotherapy in the aged] Radebold H. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):337–43 (Eng. Abstr.) **(Ger)**

[The body in psychiatric and psychotherapeutic treatment. Theoretical and applied studies—a review] Maurer Y. **Schweiz Arch Neurol Psychiatr** 1987;138(3):49–60 (Eng. Abstr.) **(Ger)**

[Holistic medicine and psychosomatics in general practice] Schmid–Wermser I. **Ther Umsch** 1986 Aug;43(8):620–4 (Eng. Abstr.) **(Ger)**

[What does psychotherapy accomplish in the treatment of psychosomatic disorders?] Gathmann P, et al. **Wien Med Wochenschr** 1986 Oct 31;136(19–20):486–90 (Eng. Abstr.) **(Ger)**

[A model experiment with a specialty clinic for geriatrics with an open psychosomatic unit] Harwardt P. **Wien Med Wochenschr** 1987 Feb 15;137(2–3):42 (Eng. Abstr.) **(Ger)**

[Psychotherapy in geriatrics] Feiereis H. **Z Gerontol** 1987 Jan–Feb;20(1):44–8 (Eng. Abstr.) **(Ger)**

[Psychotherapy in internal medicine? Systematic considerations on the problem] Röhrborn H. **Z Gesamte Inn Med** 1986 Dec 1;41(23):664–6 (Eng. Abstr.) **(Ger)**

[Catamnestic results of 64 patients—5 years following inpatient psychosomatic treatment] Deter HC, et al. **Z Psychosom Med Psychoanal** 1986;32(3):231–48 (Eng. Abstr.) **(Ger)**

[Success of inpatient psychotherapy] Payk TR, et al. **Z Psychosom Med Psychoanal** 1987;33(1):32–41 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic aspects in gynecologic ambulatory care?] Paech R. **Zentralbl Gynakol** 1987;109(9):604–7 (Eng. Abstr.) **(Ger)**

[Marital therapy in general practice] Fortuna D. **Przegl Lek** 1986;43(7):490–5 **(Pol)**

[Current views on psychiatry and family medicine] Orwid M. **Przegl Lek** 1986;43(7):482–5 **(Pol)**

[Family medicine] Pietruszewski K. **Przegl Lek** 1986; 43(7):486–9 **(Pol)**

[Clinical conference at the Brazilian Institute for Study and Research in Gastroenterology] **Arq Gastroenterol** 1986 Apr–Jun;23(2):118–23 **(Por)**

[Clinical conference at the Brazilian Institute for Study and Research in Gastroenterology] **Arq Gastroenterol** 1986 Jan–Mar;23(1):52–7 **(Por)**

[Psychotherapy of bronchial asthma in children] Gluzman SA, et al. **Pediatriia** 1987;(5):107–8 **(Rus)**

[Biological feedback of the heart rate in the therapy of cardiovascular neuroses] Krivulka P. **Bratisl Lek Listy** 1986 Sep;86(3):300–9 (Eng. Abstr.) **(Slo)**

[Kindness as a therapeutic weapon] Véjar–Lacave C. **Gac Med Mex** 1987 Jan–Feb;123(1–2):33–4 **(Spa)**

PSYCHOPHYSIOLOGY

Psychophysiology in exercise and sport research: an overview. Hatfield BD, et al. **Exerc Sport Sci Rev** 1987; 15:351–87 (150 ref.)

Abstracts. Twenty–sixth annual meeting of the Society for Psychophysiological Research. Montreal, Quebec, October 16–19, 1986. **Psychophysiology** 1986 Jul;23(4):412–71

HISTORY

In respect of the RI. Gregory RL. **Perception** 1986;15(1):1–6

Origin of dreams: anticipation of modern theories in the philosophy and physiology of the eighteenth and nineteenth centuries. Lavie P, et al. **Psychol Bull** 1986 Sep; 100(2):229–40

[Use of biofeedback in neuropsychiatry. A short historical review] Krause WR. **Z Gesamte Hyg** 1986 Dec; 32(12):731–2 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A microcomputer aided control system for visual tracking task of monkey. Muramoto K, et al. **Brain Res Bull** 1987 Jan;18(1):147–52

A device for measuring tactile spatiotemporal sensitivity. Van Doren CL, et al. **J Acoust Soc Am** 1987 Jun;81(6):1906–16

Absolute and intensity–difference taste thresholds in the rat: evaluation of an automated multi–channel gustometer. Brosvic GM, et al. **Physiol Behav** 1986;38(5):711–7

[Device for testing human psychophysiologic functions during work activity] Kutsenko GI, et al. **Gig Sanit** 1987 Jan;(1):43–5 **(Rus)**

[A basic line of automated devices for assessing the functions of the human central nervous system] Matveev EV, et al. **Med Tekh** 1986 Nov–Dec;(6):48–50 **(Rus)**

[Device for automatic assessment of the process of elaboration and extinction of defensive instrumental conditioned reflexes in animals] Mikhallenok EL, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):380–3 **(Rus)**

METHODS

Possibilities and limits of using speech signals in aviation and space psychophysiology. Sulc J, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(5–6):347–52

Psychophysiological methods in psychosomatic research. Bloch RM. **Adv Psychosom Med** 1987;17:134–66 (170 ref.)

Psychophysiological assessments in a repeated–measurement design extending over a one–year interval: trends and stability. Fahrenberg J, et al. **Biol Psychol** 1987 Feb; 24(1):49–66

Psychophysiological therapy for tinnitus. White TP, et al. **Ear Hear** 1986 Dec;7(6):397–9

A comparison of phasic cardiac responses derived from the electrocardiogram and the peripheral pulse. Barry RJ, et al. **Int J Psychophysiol** 1987 May;5(1):73–8

A comparison of three approaches for the determination of baseline levels of physiological activity. Whitsett SF, et al. **Int J Psychophysiol** 1987 May;5(1):53–61

Methodological problems in the study of classical aversive conditioning of adrenocortical responses. Pitman DL, et al. **Physiol Behav** 1986;38(5):677–85

Guidelines for human electromyographic research. Fridlund AJ, et al. **Psychophysiology** 1986 Sep;23(5):567–89

[Measurement of contrast sensitivity function using the pattern reversal VER] Katsumi O, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1397–406 (Eng. Abstr.) **(Jpn)**

[Individual automated evaluation of the work capacity of operators of large technological facilities based on the use of the computer technology of the enterprises' automatic control system] Karpenko AV, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):5–8 (Eng. Abstr.) **(Rus)**

[Use of the electrooculogram as a guide parameter for computers in studying visual functions of the cat] Baziian BKh, et al. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr;37(2):386–8 **(Rus)**

TRENDS

[Strategic trends in the study of higher nervous activity] Simonov PV. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb; 37(1):3–12 **(Rus)**

PSYCHOSES see **PSYCHOTIC DISORDERS**

PSYCHOSES, AFFECTIVE see **AFFECTIVE DISORDERS, PSYCHOTIC**

PSYCHOSES, ALCOHOLIC

BLOOD

[Free phenol level in the blood during the treatment by hemosorption of patients with severe alcoholic delirium] Lur'e BL, et al. **Lab Delo** 1986;(11):684–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Disorders of cardiac rhythm in the alcohol abstinence syndrome. Holter monitoring] Nardoni A, et al. **Minerva Cardioangiol** 1987 Jan-Feb;35(1-2):19-24 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[The "semiconscious" form of pathologic alcoholic intoxication, its characteristics and differences from "classical" forms of pathologic intoxication]Lange E. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr; 39(4):193-201 (Eng. Abstr.) **(Ger)**

[Delirium tremens in a surgical patient sample] Liczkowski B, et al. **Zentralbl Chir** 1987;112(7):469-71 **(Ger)**

[Clinical aspects of alcoholism and acute alcoholic psychoses in hypertension] Smetannikov PG, et al. **Vrach Delo** 1986 Sep;(9):88-9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effects of neurohypophyseal peptide hormones on alcohol dependence and withdrawal. Szabó G, et al. **Alcohol Alcohol** 1987;22(1):71-4

Calcium-channel-blocking agent in the treatment of acute alcohol withdrawal--caroverine versus meprobamate in a randomized double-blind study. Koppi S, et al. **Neuropsychobiology** 1987;17(1-2):49-52

[Use of metoclopramide in the treatment of alcohol withdrawal syndrome] Nitzche M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):612-5 (Eng. Abstr.) **(Ger)**

[Effect of neuroleptic therapy on the structure of an episode in acute alcoholic psychoses] Kolotilin GF, et al. **Zh Nevropatol Psikhiatr** 1987;87(6):894-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Alcoholism followed by schizophrenia. Hays P, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):187-9

FAMILIAL & GENETIC

Genetic differences in anticonvulsant sensitivity in mouse lines selectively bred for ethanol withdrawal severity. Crabbe JC, et al. **J Pharmacol Exp Ther** 1986 Oct; 239(1):154-9

Genetic influences on CNS diseases secondary to alcoholism. Propping P, et al. **Prog Clin Biol Res** 1987;241:97-105

METABOLISM

Brain marker protein changes after short- and long-term ethanol intoxication and withdrawal in the rat. Clemmesen L, et al. **J Psychiatr Res** 1987;21(2):171-83

[Concentration of protein substances in neurons of different areas of the cerebral cortex in alcoholic delirium] Kazakova PB, et al. **Zh Nevropatol Psikhiatr** 1986;86(7):1033-7 (Eng. Abstr.) **(Rus)**

[Decrease in the concentration of leukocyte acetylation coenzyme associated with vitamin precursor deficiency in patients with alcoholic delirium] Rybalko MA, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):243-7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Patterns in the recurrence and transformation of alcoholic psychoses developing against a pathologic background (clinico-statistical study)] Imamov A. **Zh Nevropatol Psikhiatr** 1987;87(4):608-11 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Evaluation of the relation between the intensity of psycho-organic symptoms and cerebral atrophy in alcoholism] Jarema M, et al. **Psychiatr Pol** 1986 Nov-Dec; 20(6):449-53 (Eng. Abstr.) **(Pol)**

[Opisthorchiasis combined with alcoholic intoxication in humans and in an experiment (clinico-morphological research)] Bychkov VG, et al. **Med Parazitol (Mosk)** 1986 Sep-Oct;(5):30-3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pineal function during ethanol intoxication, dependence, and withdrawal. Moss HB, et al. **Life Sci** 1986 Dec 8; 39(23):2209-14

The effect of repeated withdrawal episodes on acquisition and loss of tolerance to ethanol in ethanol-treated rats. Maier DM, et al. **Physiol Behav** 1987;40(4):411-24

[Effect of abstinence on visual evoked potentials in alcoholics] Rudkowska A, et al. **Neurol Neurochir Pol** 1986 Nov-Dec;20(6):512-6 (Eng. Abstr.) **(Pol)**

[EEG changes in alcohol-dependent persons with symptoms of cerebral atrophy in computerized tomography] Korwin-Piotrowska T, et al. **Wiad Lek** 1986 Dec 1; 39(23):1619-23 (Eng. Abstr.) **(Pol)**

[Features of vitamin C metabolism and the functional status of the liver in alcoholism and alcoholic delirium in the stage of detoxification therapy] Shugaleĭ IuS. **Zh Nevropatol Psikhiatr** 1987;87(2):240-3 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Clorazepate use may prevent alcohol withdrawal convulsions. Haddox VG, et al. **West J Med** 1987 Jun; 146(6):695-6

PSYCHOLOGY

[Correlations between characteristics of the hallucinations in delirium tremens and psychological variables.] Steck P, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(3):187-94 (Eng. Abstr.) **(Ger)**

[Correlation between the duration of hospitalization and the dynamics of social status in several categories of mental patient] Lăzărescu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr-Jun; 32(2):143-8 (Eng. Abstr.) **(Rum)**

THERAPY

Management of alcohol withdrawal in the critically ill patient: a selected review [letter] Krystal H. **Henry Ford Hosp Med J** 1986;34(4):293

Medical-psychiatry units: an economic alternative for consultation-liaison psychiatry? Stoudemire A, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):815-8

Alcohol withdrawal [letter] **Med J Aust** 1986 Oct 20; 145(8):426

[Follow-up findings in rural patients after sustaining alcoholic psychoses] Likhtanskiĭ GP. **Zh Nevropatol Psikhiatr** 1986;86(8):1233-5 (Eng. Abstr.) **(Rus)**

PSYCHOSES, DRUG see **PSYCHOSES, SUBSTANCE-INDUCED**

PSYCHOSES, ORGANIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

PSYCHOSES, PARANOID see **PARANOID DISORDERS**

PSYCHOSES, PRESENILE see **DEMENTIA, PRESENILE**

PSYCHOSES, SENILE see **DEMENTIA, SENILE**

PSYCHOSES, SUBSTANCE-INDUCED

[Symptomatic psychosis in trichinosis--effect of steroids or basic disease?] Gańczak M. **Przegl Epidemiol** 1986; 40(3):296-9 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Lead intoxication psychosis in an adolescent. McCracken JT. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):274-6

Psychotoxicity from antineoplastic agents [letter] Fernandez F. **J Clin Oncol** 1987 Feb;5(2):319-20

[Bromism--an overlooked disease picture] Drerup U. **Nervenarzt** 1986 Dec;57(12):727-9 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Augmentation of haloperidol by ascorbic acid in phencyclidine intoxication. Giannini AJ, et al. **Am J Psychiatry** 1987 Sep;144(9):1207-9

ETIOLOGY

Psychotomimetic effects of anorectic drugs. Khan SA, et al. **Am Fam Physician** 1987 Aug;36(2):107-12

Hoigne's syndrome: relevance of anomalous dominance and prostaglandins [letter] Backon J. **Am J Dis Child** 1986 Nov; 140(11):1091-2

A variant of Hoigne's syndrome following intramuscular cefoxitin sodium? [letter] Rockney R. **Am J Dis Child** 1987 May;141(5):475-6

Nifedipine-associated acute psychosis [letter] Kiss Z, et al. **Am J Med** 1987 Aug;83(2):389

Psychotic reaction to an insect repellent [letter] Poe RO, et al. **Am J Psychiatry** 1987 Aug;144(8):1103-4

Paradoxical effects of amitriptyline on borderline patients. Soloff PH, et al. **Am J Psychiatry** 1986 Dec;143(12):1603-5

Psychiatric complications of long-term interferon alfa therapy. Renault PF, et al. **Arch Intern Med** 1987 Sep; 147(9):1577-80

Steroid withdrawal psychosis in a patient with closed head injury. Alpert E, et al. **Arch Phys Med Rehabil** 1986 Oct; 67(10):766-9

Cannabis psychosis. Ghodse AH. **Br J Addict** 1986 Aug; 81(4):473-8 (19 ref.)

Epidemiology of toxic delirium due to psychotropic drugs in psychiatric hospitals. Schmidt LG, et al. **Compr Psychiatry** 1987 May-Jun;28(3):242-9

To Hades and back: a case study of a probable drug-induced psychotic depression. Morse DR, et al. **Int J Psychosom** 1987;34(1):9-14

Phencyclidine-associated psychosis [letter] Daghestani AN. **J Clin Psychiatry** 1987 Sep;48(9):386

A case of psychosis and delirium following withdrawal from triazolam. Heritch AJ, et al. **J Clin Psychiatry** 1987 Apr; 48(4):168-9

Psychosis associated with withdrawal of nomifensine therapy [letter] Patterson JF. **J Clin Psychopharmacol** 1986 Oct; 6(5):314-5

Psychosis and prenatal exposure to diethylstilbestrol. Katz DL, et al. **J Nerv Ment Dis** 1987 May;175(5):306-8

Profound behavioral toxicity due to tricyclic antidepressants. Meador-Woodruff JH, et al. **J Nerv Ment Dis** 1986 Oct; 174(10):628-30

Synergism between methamphetamine and alcohol in a case of methamphetamine psychosis. Harajiri S, et al. **Kurume Med J** 1986;33(4):163-5

Inadvertent abuse of amphetamines in street heroin [letter] Choudry N, et al. **Lancet** 1986 Oct 4;2(8510):817

Unusual reaction to morphine [letter] D'Souza M. **Lancet** 1987 Jul 11;2(8550):98

Psychosis and violence in cocaine smokers [letter] Honer WG, et al. **Lancet** 1987 Aug 22;2(8556):451

Ifosfamide/mesna encephalopathy [letter] McCallum AK. **Lancet** 1987 Apr 25;1(8539):987

Bodybuilder's psychosis [letter] Pope HG Jr, et al. **Lancet** 1987 Apr 11;1(8537):863

Toxic psychosis from transdermal scopolamine in a child [letter] Sennhauser FH, et al. **Lancet** 1986 Nov 1; 2(8514):1033

Prednisolone pharmacokinetics and steroid psychosis [letter] Tomson CR, et al. **Lancet** 1987 Jan 31;1(8527):270-1

Quinacrine-induced toxic psychosis in a child [letter] James JJ, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):427

Reversible, narcotic-associated mental status impairment in patients with metastatic cancer. Leipzig RM, et al. **Pharmacology** 1987;35(1):47-54

Pseudoanaphylactic reaction to procaine penicillin and kindling [letter] Ilechukwu ST. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):109-10

Psychotic manifestations in amphetamine abuse--experimental study on the mechanism of psychotic recurrence. Ando K, et al. **Psychopharmacol Bull** 1986; 22(3):763-7

Supersensitivity psychosis and tardive dyskinesia: a survey in schizophrenic outpatients. Chouinard G, et al. **Psychopharmacol Bull** 1986;22(3):891-6

Basic and clinical studies of neuroleptic-induced supersensitivity psychosis and dyskinesia. Diamond BI, et al. **Psychopharmacol Bull** 1986;22(3):900-5

Acute exacerbation of methamphetamine psychosis and lasting dopaminergic supersensitivity--a clinical survey. Sato M. **Psychopharmacol Bull** 1986;22(3):751-6

Reverse tolerance to the ambulation-increasing effect of methamphetamine in mice as an animal model of amphetamine-psychosis. Tadokoro S, et al. **Psychopharmacol Bull** 1986;22(3):757-62

Provocative tests with psychostimulant drugs in schizophrenia. Lieberman JA, et al. **Psychopharmacology (Berlin)** 1987;91(4):415-33

[Psychosis of supersensitivity or tardive psychosis of neuroleptics. A complication of long-term neuroleptic treatment?] Bourgeois M. **Ann Med Psychol (Paris)** 1987 Feb;145(2):161-3 **(Fre)**

[Depersonalization, Cotard's syndrome and tendency toward mania under benzodiazepine (apropos of 2 case reports)] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Feb; 144(2):174-82 **(Fre)**

[Case report of a probable phencyclidine-induced psychosis] Antonucci F. **Ther Umsch** 1986 Nov;43(11):853-6 (Eng. Abstr.) **(Ger)**

[Disulfiram (anticol) psychoses] Gyuris J, et al. **Orv Hetil** 1986 Oct 5;127(40):2435-7 (Eng. Abstr.) **(Hun)**

[Effects of phencyclidine, the drug induces psychosis on the central nervous system] Nabeshima T. **Yakugaku Zasshi** 1986 May;106(5):351-70 (Eng. Abstr.) **(Jpn)**

[Acute psychotic reactions and speech disorders induced by the rapid intravenous injection of lidocaine (letter)] Basile Filho A, et al. **Rev Paul Med** 1986 Jul-Aug;104(4):229 **(Por)**

[Remarkably high number of reports on psychotic reactions after Ponderal therapy] **Lakartidningen** 1987 Jun 24; 84(26-27):2289-90 **(Swe)**

[A draftee got a CNS disorder after treatment with scopolamine plaster] Olevik P. **Lakartidningen** 1987 Apr 22;84(17):1463 **(Swe)**

PREVENTION & CONTROL

Is steroid psychosis preventable by divided doses? [letter] Glynne-Jones R, et al. **Lancet** 1986 Dec 13;2(8520):1404

PSYCHOLOGY

Nifedipine-associated acute psychosis. Kahn JK. **Am J Med** 1986 Oct;81(4):705-6

Visual perception process in amphetamine psychosis and schizophrenia. Kojima T, et al. **Psychopharmacol Bull** 1986; 22(3):768-73

THERAPY

Drug-induced psychiatric disorders and their management. Hollister LE. **Med Toxicol** 1986 Nov-Dec;1(6):428-48 (153 ref.)

PSYCHOSES, TOXIC see **PSYCHOSES, SUBSTANCE-INDUCED**

PSYCHOSES, TRAUMATIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

PSYCHOSEXUAL DEVELOPMENT

Coital behaviors, attitudes, and knowledge of students who

experience early coitus. Faulkenberry JR, et al. **Adolescence** 1987 Summer;22(86):321–32
Body satisfaction in adolescent girls. Davies E, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):279–87
Locomotor development and oral reflexes. Sugar M. **Child Psychiatry Hum Dev** 1987 Spring;17(3):141–51
Adults with Prader–Willi syndrome: a survey of 232 cases. Greenswag LR. **Dev Med Child Neurol** 1987 Apr; 29(2):145–52
Primal scene and sexual perversion. McDougall J. **Int J Psychoanal** 1972;53 (Pt 3):371–84
Male homosexuality: on the need for a multiaxial developmental model. Friedman RC. **Isr J Psychiatry Relat Sci** 1986;23(1):63–76
Maturational arrest: an experiment in nature. Sonis WA, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar; 26(2):277–80
The process of time-limited psychotherapy with latency-aged children. Sloves R, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):847–51
The effects of incest on female adolescent development. O'Brien JD. **J Am Acad Psychoanal** 1987 Jan;15(1):83–92
Working with adolescents in intensive psychotherapy. Toolan JM. **J Am Acad Psychoanal** 1987 Jul;15(3):303–20
College age lesbianism as a developmental phenomenon. Henderson AF. **J Am Coll Health Assoc** 1979 Dec; 28(3):176–8
Struggles with the 'other one': the reconciliation of a pre-adolescent boy with his masculinity. Eide-Midtsand N. **J Anal Psychol** 1987 Apr;32(2):157–71
Differentiation of girls at risk of early pregnancy from the general population of adolescents. Walters LH, et al. **J Genet Psychol** 1987 Mar;148(1):19–29
Homosexual identity formation: a theoretical model. Cass VC. **J Homosex** 1979 Spring;4(3):219–35
Sexual dysfunction within an adult developmental perspective. Fagan PJ, et al. **J Sex Marital Ther** 1986 Winter;12(4):243–57
Feminine gender identity and physical aggressiveness in heterosexual and homosexual pedophiles. Freund K, et al. **J Sex Marital Ther** 1987 Spring;13(1):25–34
Sexual development and life of women with gonadal dysgenesis. Raboch J, et al. **J Sex Marital Ther** 1987 Summer;13(2):117–27
Working with gay and lesbian adolescents. Remafedi G, et al. **Pediatr Ann** 1986 Nov;15(11):773–83
Sex-role orientation of Caribbean adolescents. Richardson AG. **Percept Mot Skills** 1986 Dec;63(3):1113–4
Keats's oral imagination: "'Tis not through envy". Fitzpatrick-Hanly MA. **Psychoanal Q** 1986 Oct; 55(4):618–39
Toward a new psychology of men: psychoanalytic and social perspectives. **Psychoanal Rev** 1986 Winter;73(4):405–620
Fantasies of college men: then and now. Cramer P. **Psychoanal Rev** 1986 Winter;73(4):567–78
College youth: gender roles in flux. Komarovsky M. **Psychoanal Rev** 1986 Winter;73(4):611–3
Turning women things into men: masculinization in Papua New Guinea. Lidz T, et al. **Psychoanal Rev** 1986 Winter; 73(4):521–39
Male gender identity: early developmental roots. Tyson P. **Psychoanal Rev** 1986 Winter;73(4):405–25
Special solutions to phallic-aggressive conflicts in male twins. Ablon SL, et al. **Psychoanal Study Child** 1986;41:239–57
Adolescent sex offenders. Davis GE, et al. **Psychol Bull** 1987 May;101(3):417–27
Symptomatology, psychosexual development and gender identity in 42 anorexic males. Fichter MM, et al. **Psychol Med** 1987 May;17(2):409–18
Adolescent sexuality: Part One. **Semin Adolesc Med** 1985 Jun; 1(2):97–151
Adolescence in perspective: a lifespan approach to sexuality education. Brick P. **Semin Adolesc Med** 1985 Jun; 1(2):139–44
Homosexuality in adolescence. Greydanus DE, et al. **Semin Adolesc Med** 1985 Jun;1(2):117–29
Psychosocial aspects of adolescent medicine. Kreipe RE, et al. **Semin Adolesc Med** 1985 Mar;1(1):33–45
Normal childhood and early adolescent sexuality. A psychologist's perspective. Moore RE. **Semin Adolesc Med** 1985 Jun;1(2):97–100
Incest: its developmental and familial context. Rinsley DB, et al. **Semin Adolesc Med** 1987 Mar;3(1):9–16
Sex education and the adolescent. Perspectives from a sex educator. Selverstone R. **Semin Adolesc Med** 1985 Jun; 1(2):145–51
Religion and adolescent sexuality. Stayton WR. **Semin Adolesc Med** 1985 Jun;1(2):131–7
Normal adolescent sexuality. A physician's perspective. Strasburger VC. **Semin Adolesc Med** 1985 Jun;1(2):101–15
[Sexual socialization of hysterical women] Topiař A. **Cesk Psychiatr** 1986 Aug;82(3–4):195–8 (Eng. Abstr.) **(Cze)**
[Psychosocial consequences of developmental disorders of the genitalia] Ladee-Levy JV, et al. **Ned Tijdschr Geneeskd** 1986 Aug 30;130(35):1556–9 (Eng. Abstr.) **(Dut)**
[Unwanted pregnancy in adolescents: existential background factors] Merz M. **Fortschr Med** 1986 Sep 11;104(34):633–6 (Eng. Abstr.) **(Ger)**
[Conflict and crisis in female adolescence] Remschmidt H. **Monatsschr Kinderheilkd** 1987 Jul;135(7):386–91 **(Ger)**
[Sexual abuse of children—sociologic viewpoints] Trube-Becker E. **Off Gesundheitswes** 1987 May;49(5):223–8 (Eng. Abstr.) **(Ger)**
[Adolescence—a normative psychological crisis] Steinhausen HC. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb–Mar; 36(2):39–49 (Eng. Abstr.) **(Ger)**
[Toward Italy! Youth and maturation in "Taugenichts"] Hummel C. **Psyche (Stuttg)** 1987 Feb;41(2):148–72 (Eng. Abstr.) **(Ger)**

PSYCHOSEXUAL DISORDERS

[Experience of female patients in psychiatric ambulatory care with regard to deviant sexual behavior] Zvěřina J, et al. **Cesk Psychiatr** 1987 Apr;83(2):124–7 (Eng. Abstr.) **(Cze)**
[Sexual problems in the patient–physician relation] Lew-Starowicz Z, et al. **Ginekol Pol** 1987 Feb;58(2):119–23 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Anorgasmia caused by an MAOI [letter] Jacobson JN. **Am J Psychiatry** 1987 Apr;144(4):527
Spontaneous remission of MAOI-induced anorgasmia. Nurnberg HG, et al. **Am J Psychiatry** 1987 Jun; 144(6):805–7
Reversal by bethanechol of imipramine-induced ejaculatory dysfunction [letter] Segraves RT. **Am J Psychiatry** 1987 Sep;144(9):1243–4
Prenatal diethylstilbestrol exposure: behavioral consequences in humans. Meyer-Bahlburg HF, et al. **Monogr Neural Sci** 1986;12:90–5

DIAGNOSIS

Sex bias in the diagnosis of primary orgasmic dysfunction. Wakefield JC. **Am Psychol** 1987 May;42(5):464–71
Psychosexual problems. Stanley E. **Br Med J** 1987 Jan 3; 294(6563):39–42
Sexual functioning and psychologic evaluation of in vitro fertilization couples. Fagan PJ, et al. **Fertil Steril** 1986 Oct; 46(4):668–72
Evaluation of sexual dysfunction. Othmer E, et al. **J Clin Psychiatry** 1987 May;48(5):201–3
The mislabeling of sexual impulsivity. Barth RJ, et al. **J Sex Marital Ther** 1987 Spring;13(1):15–23

DRUG THERAPY

Treatment of premature ejaculation with lorazepam [letter] Segraves RT. **Am J Psychiatry** 1987 Sep;144(9):1240
Effect of buspirone on sexual dysfunction in patients with generalized anxiety disorder. Othmer E, et al. **J Clin Psychiatry** 1987 May;48(5):201–3
Human chorionic gonadotropin treatment of nonorganic erectile failure and lack of sexual desire: a double-blind study. Buvat J, et al. **Urology** 1987 Sep;30(3):216–9
[Pharmacotherapy of premature ejaculation in sexual intercourse] Hronek J, et al. **Cesk Psychiatr** 1986 Oct; 82(5):303–6 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Sexual dysfunction in male alcohol addicts: prevalence and treatment. Fahrner EM. **Arch Sex Behav** 1987 Jun; 16(3):247–57
Prenatal stress feminizes adult male saccharin preference and maze learning: antagonism by propranolol. McGivern RF, et al. **Monogr Neural Sci** 1986;12:172–8
Male sexual dysfunction: evaluation and treatment. Nelson RP. **South Med J** 1987 Jan;80(1):69–74 (21 ref.)
[Sex behavior following primary radiotherapy of cervix cancer] Lasnik E, et al. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):813–6 (Eng. Abstr.) **(Ger)**
[Abnormalities of sexual behavior as a result of cortical lesions. Apropos of a case] Maria G, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):368–71 (Eng. Abstr.) **(Ita)**

HISTORY

[Richard von Krafft-Ebing's "Psychopathia sexualis". Pornography or professional literature?] Kupferschmidt H. **Schweiz Rundsch Med Prax** 1987 May 12;76(20):563–9 (Eng. Abstr.) **(Ger)**

OCCURRENCE

The epidemiology of the DSM-III psychosexual dysfunctions. Nathan SG. **J Sex Marital Ther** 1986 Winter; 12(4):267–81
Sexual dysfunctions: a survey of Toronto health professionals. Littmann SK, et al. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):35–40
[Sexuality and menopause] Chatel A. **Union Med Can** 1987 Mar;116(3):171–3, 193 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Tyrosine prevents the diminished male copulatory behavior in prenatally stressed male rats. Ohkawa T, et al. **Monogr Neural Sci** 1986;12:167–71
[The physician and sex education] Reis K. **Z Gesamte Hyg** 1987 Mar;33(3):159–60 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Sexual disorders: a perspective. Hirsch I. **Am J Psychoanal** 1986 Fall;46(3):239–48
A follow-up study of 10 feminine boys. Davenport CW. **Arch Sex Behav** 1986 Dec;15(6):511–7
Inhibited sexual desire in women. Stuart FM, et al. **Arch Sex Behav** 1987 Apr;16(2):91–106
The SOMA—a questionnaire measure of sexual anxiety. Patterson DG, et al. **Br J Psychiatry** 1986 Jul;149:63–7
Lifetime psychopathology in individuals with low sexual desire. Schreiner-Engel P, et al. **J Nerv Ment Dis** 1986 Nov;174(11):646–51
Sexual dysfunction and disorder patterns of husbands of working and nonworking women. Avery-Clark C. **J Sex Marital Ther** 1986 Winter;12(4):282–96
Sexual attitudes of psychogenic and organic impotence. Beutler LE, et al. **J Sex Marital Ther** 1980 Fall;6(3):155–63
Sexual dysfunction within an adult developmental perspective. Fagan PJ, et al. **J Sex Marital Ther** 1986 Winter;12(4):243–57
Childhood gender identity disorders [editorial] Adler R. **Med J Aust** 1987 Jun 1;146(11):561
[Analysis of 1,500 cases of psycho-counselling psychology in a general hospital] Zhao KY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Dec; 19(6):325–8 (Eng. Abstr.) **(Chi)**
[Who's afraid of the vagina?] Hengeveld MW, et al. **Ned Tijdschr Geneeskd** 1987 Apr 4;131(14):561–3 **(Dut)**
[Identification, new needs and new forms of sexuality] McDougall J. **Psyche (Stuttg)** 1986 Nov;40(11):1007–29 (Eng. Abstr.) **(Ger)**

THERAPY

Experiences from a marital-sex therapy clinic in Nairobi. Ndetei DM, et al. **Acta Psychiatr Scand** 1986 Nov; 74(5):479–84
Diadynamic currents in the therapy of sexual dysfunctions. Tabarka K, et al. **Acta Univ Palacki Olomuc Fac Med** 1986; 114:369–74
Long-term outcome of sex therapy. Hawton K, et al. **Behav Res Ther** 1986;24(6):665–75
Delinquent perversion problems of assimilation: a clinical study. Klein S. **Int J Psychoanal** 1984;65 (Pt 3):307–14
Implications of the behavioral sex therapies for psychoanalytic theory and practice: intrapsychic sequelae of symptom removal in the patient and spouse. Segraves RT. **J Am Acad Psychoanal** 1986 Oct;14(4):485–93
Sexual concerns and counseling needs of normal men attending a university student health service. Wiesmeier E, et al. **J Am Coll Health** 1986 Jul;35(1):29–35
Confronting internalized oppression in sex therapy with lesbians. Brown LS. **J Homosex** 1986 May;12(3–4):99–107
Treatment of sexual disorder: a prophylaxis for major pathology? Kellett JM. **J R Coll Physicians Lond** 1987 Jan; 21(1):58–60
Hypnotic metaphor and sexual dysfunction. Gilmore LG. **J Sex Marital Ther** 1987 Spring;13(1):45–57
Treating the new American couple. Glick ID. **J Sex Marital Ther** 1986 Winter;12(4):297–306
Readability assessment of questionnaires frequently used in sex and marital therapy. Jensen BJ, et al. **J Sex Marital Ther** 1987 Summer;13(2):137–41
Prescribing sensate focus without proscribing intercourse. Lipsius SH. **J Sex Marital Ther** 1987 Summer;13(2):106–16
The use of audiovisual materials in sex therapy: a critical overview. Neidigh L, et al. **J Sex Marital Ther** 1987 Spring; 13(1):64–72 (20 ref.)
A system of group therapy for the treatment of marital and sexual dysfunction. Reckless J, et al. **J Sex Marital Ther** 1980 Fall;6(3):199–204
The semantics of success: do masturbation exercises lead to partner orgasm? Wakefield JC. **J Sex Marital Ther** 1987 Spring;13(1):3–14
Gender-disordered children: does inpatient treatment help? Kosky RJ. **Med J Aust** 1987 Jun 1;146(11):565–9
[Are treatment terminations therapeutic failures? A catamnestic study of patients with functional sexual disorders] Buddeberg C, et al. **Psychother Psychosom Med Psychol** 1986 Sep–Oct; 36(9–10):295–300 (Eng. Abstr.) **(Ger)**
[Therapy of functional sexual disorders—a pilot study using the Lo Piccolo Sexual Interaction Inventory (SII)] Drunkenmölle C. **Z Arztl Fortbild (Jena)** 1987;81(3):133–4 **(Ger)**
[Changing spectrum of responsibilities in marital and sexual counseling] Löffler A, et al. **Z Gesamte Hyg** 1987 Mar; 33(3):156–8 (Eng. Abstr.) **(Ger)**
[Treatment of nonpsychotic states of decompensation among oligophrenic patients including deviant forms of behavior] Golodets RG, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):413–7 (Eng. Abstr.) **(Rus)**

PSYCHOSEXUAL DYSFUNCTIONS see under **PSYCHOSEXUAL DISORDERS**

PSYCHOSINE see under **SPHINGOSINE**

PSYCHOSIS, BRIEF REACTIVE see **PSYCHOTIC DISORDERS**

PSYCHOSIS, INVOLUTIONAL see **DEPRESSION,**

INVOLUTIONAL

PSYCHOSIS, MANIC-DEPRESSIVE see BIPOLAR DISORDER

PSYCHOSOCIAL DEPRIVATION

Psychosocial predictors of depression. Prospective evidence from the human population laboratory studies. Kaplan GA, et al. **Am J Epidemiol** 1987 Feb;125(2):206–20

Applicability of the temperament construct to black South African children. Skuy M, et al. **Am J Orthopsychiatry** 1986 Oct;56(4):622–4

Those friendly little tanning beds and the public's health [letter] Dougherty MA, et al. **Am J Public Health** 1987 Mar;77(3):370

Functional activity in the brain of socially deprivated rats produced by an active avoidance test after razobazam (Hoe 175) treatment: a 2-deoxyglucose study. Hock FJ, et al. **Behav Neural Biol** 1986 Nov;46(3):398–409

Locomotor development and oral reflexes. Sugar M. **Child Psychiatry Hum Dev** 1987 Spring;17(3):141–51

Effects on the behavior of infant common marmosets (Callithrix jacchus) of separation from caregivers and of drug-induced reduction in caregiver responsiveness. Chalmers NR, et al. **Dev Psychobiol** 1986 Sep;19(5):399–411

Derailed by the availability heuristic. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Jun 15;22(6):59–60, 65–9

Adam—a severely-deprived Colombian orphan: a case report. Thompson AM. **J Child Psychol Psychiatry** 1986 Sep;27(5):689–95

Caring about and caring for the psychosocial needs of patients. Schwenk TL. **J Fam Pract** 1987 May;24(5):461–3

Locus of control of advantaged and disadvantaged adolescents. Kumar A, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):933–4

Acquired immunodeficiency syndrome and black Americans: special psychosocial issues. Mays VM, et al. **Public Health Rep** 1987 Mar–Apr;102(2):224–31

Psychosocial factors and pregnancy outcome. Part two of a prospective longitudinal study of children in a new Stockholm suburb. Aurelius G, et al. **Scand J Soc Med** 1987;15(2):79–85

[Psychogenic growth retardation. Critical study of diagnostic data] Sarr M, et al. **Arch Fr Pediatr** 1987 May;44(5):331–8 (Eng. Abstr.) **(Fre)**

PSYCHOSOMATIC DISORDERS see PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOSOMATIC MEDICINE

Research paradigms in psychosomatic medicine. **Adv Psychosom Med** 1987;17:1–272

Psychophysiological methods in psychosomatic research. Bloch RM. **Adv Psychosom Med** 1987;17:134–66 (170 ref.)

Personality assessment in psychosomatic medicine. Value of a trait taxonomy. Costa PT Jr, et al. **Adv Psychosom Med** 1987;17:71–82

Psychosomatic medicine, behavioral medicine, just plain medicine. Engel BT. **Psychosom Med** 1986 Sep–Oct; 48(7):466–79

An oriental point of view in psychosomatic medicine. Ikemi Y, et al. **Psychother Psychosom** 1986;45(3):118–26

[An outline of scientific psychosomatics] Villard HP. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):143–9 (Eng. Abstr.) **(Fre)**

[Psychosocial events at risk] Masson D. **Schweiz Med Wochenschr** 1987 Jan 17;117(3):103–6 (Eng. Abstr.) **(Fre)**

[Physiology and pathology of cortico-visceral relations as the scientific basis for psychosomatic medicine] Suvorov NF. **Fiziol Zh SSSR** 1986 Aug;72(8):1016–26 **(Rus)**

[Psychosomatic medicine—a discipline hard to accept?] Bárány F. **Lakartidningen** 1987 May 6;84(19):1656–7, 1660–1 **(Swe)**

HISTORY

Alan Gregg and the Rockefeller Foundation's support of Franz Alexander's psychosomatic research. Brown TM. **Bull Hist Med** 1987 Summer;61(2):155–82

Was Robert Whytt (1714—1766) right? Remarks on the retirement of John C. Nemiah as psychiatrist-in-chief; Beth Israel Hospital. Weiner H. **Psychother Psychosom** 1986; 45(1):5–13

[The history of psychosomatic medicine and the mind-body problem in medicine] Weiner H. **Psychother Psychosom Med Psychol** 1986 Dec; 36(12):361–91 (Eng. Abstr.) **(Ger)**

METHODS

Methodological issues in psychosomatic research. Fava GA, et al. **Adv Psychosom Med** 1987;17:1–12 (53 ref.)

TRENDS

[Excerpt from the recommendations of the scientific council for clinical research in universities] Hoffmann SO, et al. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):355–9 **(Ger)**

[Psychiatry as a part of total medicine] Heim E. **Schweiz Arch Neurol Psychiatr** 1986;137(5):9–13 **(Ger)**

PSYCHOSURGERY

Psychosurgery: historical interest only or contemporary relevance [editorial] Bridges PK. **Br J Hosp Med** 1987 Apr; 37(4):283

Single-case study of left cerebral hemispherectomy: development in the first five years of life. Byrne JM, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):423–34

Civil rightists attack psychosurgery. Gorman WF. **J Forensic Sci** 1987 Mar;32(2):314–7

Relationships between neuropathology and cognitive functioning in temporal lobectomy patients. McMillan TM, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):167–76

Computerized tomographic sequelae of frontal psychosurgery. Dorland JP, et al. **J Neuroradiol** 1986; 13(3):195–208 **(Eng, Fre)**

Two comments on psychosurgery [letter] **N Engl J Med** 1987 Jan 8;316(2):114–5

Psychosurgery: a rebuttal [letter] Rodin E. **N Engl J Med** 1987 Jul 9;317(2):120

Seizure characteristics, pathology, and outcome after temporal lobectomy. Duncan JS, et al. **Neurology** 1987 Mar; 37(3):405–9

Intractable complex partial seizures: the "initial motionless stare" and surgical outcome following temporal lobectomy. Williams LB, et al. **Neurology** 1987 Jul;37(7):1255–8

ADVERSE EFFECTS

[Viral meningoencephalitis and Klüver-Bucy syndrome. Report of 2 cases] Montanha EV, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):373–82 (Eng. Abstr.) **(Por)**

HISTORY

A perspective of the 1940s [editorial] Alexander E Jr. **Surg Neurol** 1987 Oct;28(4):319–20

METHODS

The present possibilities in stereotactic psychosurgery. Lisonková D, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:417–21

PSYCHOTHERAPY

Difficulties in psychotherapy of victims of man-made disasters. Bastiaans J. **Acta Neurochir [Suppl] (Wien)** 1987; 38:114–6

Psychological therapy of pain. Violon A. **Acta Neurochir [Suppl] (Wien)** 1987;38:111–3

Experiences from a marital-sex therapy clinic in Nairobi. Ndetei DM, et al. **Acta Psychiatr Scand** 1986 Nov; 74(5):479–84

Homoclites revisited: the search for identification in hospitalized young adult patients. Looney JG, et al. **Adolesc Psychiatry** 1987;14:137–48

Difficulties encountered in the treatment of outpatient adolescents. Saffer JB, et al. **Adolescence** 1987 Spring; 22(85):143–7

Common suicidal subtypes and their treatment. Gold DD Jr. **Am Fam Physician** 1987 Apr;35(4):149–56

How hypnosis may potentiate psychotherapy. Holroyd J. **Am J Clin Hypn** 1987 Jan;29(3):194–200

Allegations of child sexual abuse in child custody disputes: a therapeutic assessment model. Bresee P, et al. **Am J Orthopsychiatry** 1986 Oct;56(4):560–9

Do therapists vary much in their success? Findings from four outcome studies. Luborsky L, et al. **Am J Orthopsychiatry** 1986 Oct;56(4):501–12

Frank's "common elements" in psychotherapy: nonspecific factors and placebos. Parloff MB. **Am J Orthopsychiatry** 1986 Oct;56(4):521–30

Displacement of affect in families following incest disclosure. Solin CA. **Am J Orthopsychiatry** 1986 Oct;56(4):570–6

The nonspecific hypothesis of therapeutic effectiveness: a current assessment. Strupp HH. **Am J Orthopsychiatry** 1986 Oct;56(4):513–20

Limitations of a psychobiological concept of the integration of psychotherapy and meditation [letter] Kokoszka A. **Am J Psychiatry** 1986 Oct;143(10):1315

Expectations and outcomes for patients given mental health care or spiritist healing in Puerto Rico. Koss JD. **Am J Psychiatry** 1987 Jan;144(1):56–61

Relapse in recurrent unipolar depression. Kupfer DJ, et al. **Am J Psychiatry** 1987 Jan;144(1):86–8

Protecting third parties: a decade after Tarasoff. Mills MJ, et al. **Am J Psychiatry** 1987 Jan;144(1):68–74

Psychotherapy in the treatment of schizophrenic patients [letter] Morrison NK. **Am J Psychiatry** 1986 Nov; 143(11):1483–90

The psychodynamic formulation: its purpose, structure, and clinical application. Perry S, et al. **Am J Psychiatry** 1987 May;144(5):543–50

Control groups for psychosocial intervention outcome studies. Strayhorn JM Jr. **Am J Psychiatry** 1987 Mar; 144(3):275–82

Homer's Odyssey: a psychological journey. Harris M. **Am J Psychoanal** 1986 Winter;46(4):289–99

A psychotic recovers: from symbiosis to adulthood. Lassers E. **Am J Psychoanal** 1986 Winter;46(4):350–9

Psychiatric nurses and the practice of psychotherapy: current status and future possibilities. Christman L. **Am J Psychother** 1987 Jul;41(3):384–90

The psychotherapies: benefits and limitations. Karasu TB. **Am J Psychother** 1986 Jul;40(3):324–42 (90 ref.)

Tarasoff decision: a decade later dilemma still faces psychotherapists. Kermani EJ, et al. **Am J Psychother** 1987 Apr;41(2):271–85

Psychotherapy and the clinical social worker. Lieberman F. **Am J Psychother** 1987 Jul;41(3):369–83

The role of the psychiatrist in the practice of psychotherapy. Ludwig A. **Am J Psychother** 1987 Jul;41(3):361–8

The prediction of violence in outpatient psychotherapy. Meloy JR. **Am J Psychother** 1987 Jan;41(1):38–45

The treatment of abused children: the natural sequence of events. Ney PG. **Am J Psychother** 1987 Jul;41(3):391–401

Research and laws regarding therapist-patient sexual involvement: implications for therapists. Pope KS. **Am J Psychother** 1986 Oct;40(4):564–71

Serious assaults by outpatients or former patients. Reid WH, et al. **Am J Psychother** 1986 Oct;40(4):594–600

The "placebo" effect of psychotherapy: a moose in the rabbit stew. Senger HL. **Am J Psychother** 1987 Jan;41(1):68–81

After the terrorist incident: psychotherapeutic treatment of former hostages. Simon RI, et al. **Am J Psychother** 1987 Apr;41(2):194–200

Body-image disturbances among obese adults: evaluation and treatment. Weiss F. **Am J Psychother** 1986 Oct;40(4):521–42

Process in psychotherapy as decreasing asymmetry between patient and therapist: evidence from the verbal interaction. Winefield HR, et al. **Am J Psychother** 1987 Jan; 41(1):117–26

Restraints in the treatment of a patient with multiple personality. Young WC. **Am J Psychother** 1986 Oct; 40(4):601–6

The impossibility of achieving consistently good mental health. Ellis A. **Am Psychol** 1987 Apr;42(4):364–75

Self-help treatment books and the commercialization of psychotherapy. Rosen GM. **Am Psychol** 1987 Jan; 42(1):46–51

The role of culture and cultural techniques in psychotherapy. A critique and reformulation. Sue S, et al. **Am Psychol** 1987 Jan;42(1):37–45

Generalizable treatment strategies for suicidal behavior. Blumenthal SJ, et al. **Ann NY Acad Sci** 1986;487:327–40

Liaison psychotherapy in a hospital paediatric diabetic clinic. Josse JD, et al. **Arch Dis Child** 1987 May;62(5):518–22

Therapist code of ethics [letter] Ney PG. **Aust NZ J Psychiatry** 1987 Mar;21(1):113

Therapist code of ethics [letter] Sachdev PS. **Aust NZ J Psychiatry** 1986 Jun;20(2):245–6

Speech behavior as an objective correlate of empathy and outcome in interview and psychotherapy research. A review with implications for behavior modification. Matarazzo JD, et al. **Behav Modif** 1977 Oct;1(4):453–80

Change processes in psychotherapy. Shapiro D, et al. **Br J Addict** 1987 Apr;82(4):431–44 (119 ref.)

Client-therapist congruence of expectations over the course of therapy. Benbenishty R, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):17–24

Locus of control and clients' expectations of psychotherapeutic outcome. Foon AE. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):161–71

Development of a taxonomy of therapist difficulties: initial report. Davis JD, et al. **Br J Med Psychol** 1987 Jun;60 (Pt 2):109–19

Psychotherapeutic approaches to the treatment of panic attacks, hypochondriasis and agoraphobia. Diamond DB. **Br J Med Psychol** 1987 Mar;60 (Pt 1):79–84

Review: locus of control as a predictor of outcome of psychotherapy. Foon AE. **Br J Med Psychol** 1987 Jun;60 (Pt 2):99–107 (42 ref.)

Post-traumatic stress disorder following combat exposure: clinical features and psychopharmacological treatment. Bleich A, et al. **Br J Psychiatry** 1986 Sep;149:365–9

Witchcraft and psychotherapy [letter] Jilek WG. **Br J Psychiatry** 1986 Dec;149:796–7

Witchcraft and psychotherapy. Neki JS, et al. **Br J Psychiatry** 1986 Aug;149:145–55 (40 ref.)

Psychotherapy for victims of torture. Somnier FE, et al. **Br J Psychiatry** 1986 Sep;149:323–9

Therapists' obligations to report their patients' criminal acts. Appelbaum PS, et al. **Bull Am Acad Psychiatry Law** 1986; 14(3):221–30 (47 ref.)

Civil commitment to outpatient psychotherapy: a case study. Schneider-Braus K. **Bull Am Acad Psychiatry Law** 1986; 14(3):273–9

Termination in individual psychotherapy: a survey of residents' experience. de Bosset F, et al. **Can J Psychiatry** 1986 Oct;31(7):636–42

Do therapists bias their ratings of patient functioning under peer review? Stahler GJ, et al. **Community Ment Health J** 1986 Winter;22(4):265–74

Clarifying the therapist's duty to warn potential victims. Healey JM. **Conn Med** 1986 Dec;50(12):841

Clarifying the therapist's duty to warn potential victims: II. Healey JM. **Conn Med** 1987 Jan;51(1):63

A pragmatic approach to sexual dysfunction in diabetic men: psychosexual counselling. McCulloch DK, et al. **Diabetic Med** 1986 Sep–Oct;3(5):485–9

"Detoxification" of Vietnam War trauma: a combined family-individual approach. Rosenheck R, et al. **Fam Process** 1986 Dec;25(4):559–70

Patient-therapist mismatch: we would rather switch than

fight. Andrews S, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):918–22

Therapeutic alliance and hospital treatment outcome. Clarkin JF, et al. **Hosp Community Psychiatry** 1987 Aug; 38(8):871–5

Psychiatric assessment and treatment of American Indians and Alaska Natives. Manson SM, et al. **Hosp Community Psychiatry** 1987 Feb;38(2):165–73

Psychological consultation with substance abusers. Rogalski CJ. **Int J Addict** 1987 May;22(5):421–43

Change patterns of borderline patients in individual and group therapy. Kretsch R, et al. **Int J Group Psychother** 1987 Jan;37(1):95–112

The Privilege Study (Part III): Psychotherapist–patient communications in Canada. Shuman DW, et al. **Int J Law Psychiatry** 1986;9(4):393–429

The effect of yerida (emigration) on the therapeutic relationship between Israeli psychotherapist and patient. Hodis L. **Isr J Psychiatry Relat Sci** 1986;23(2):89–105

Mother tongue, shift of language and psychotherapy. Stern J. **Isr J Psychiatry Relat Sci** 1986;23(3):195–204

Antisocial conduct: whose concern? Wolff S. **J Adolesc** 1987 Jun;10(2):105–18

A stress management programme for inflammatory bowel disease patients. Milne B, et al. **J Adv Nurs** 1986 Sep; 11(5):561–7

Therapeutic interventions to prevent delinquency in hyperactive boys. Satterfield JH, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):56–64

Providing psychotherapy within a prepaid health plan: the influence of organizational context on task performance. Kraft DP. **J Am Coll Health** 1987 Mar;35(5):199–207

The risk of AIDS and the defense of disavowal: dilemmas for the college psychotherapist. Widen HA. **J Am Coll Health** 1987 May;35(6):268–73

Psychotherapy quality assessment. Sarnat JE, et al. **J Am Coll Health Assoc** 1979 Dec;28(3):131–9

Conversion of psychotherapy to psychoanalysis. Panel report. **J Am Psychoanal Assoc** 1987;35(3):713–26

Working with parents: casework or psychotherapy? Kraemer S. **J Child Psychol Psychiatry** 1987 Mar;28(2):207–13

Psychosocial treatment of the refractory patient with irritable bowel syndrome [editorial] Drossman DA. **J Clin Gastroenterol** 1987 Jun;9(3):253–5

Gaps between expectations and perceived reality of therapists and clients. Benbenishty R. **J Clin Psychol** 1987 Mar; 43(2):231–6

Discrepancies between therapists' role preferences and role expectations. Benbenishty R, et al. **J Clin Psychol** 1986 Sep;42(5):719–27

Predictors of psychotherapy outcome for children at a community mental health center. Bush RM, et al. **J Clin Psychol** 1986 Nov;42(6):873–7

Theoretical and empirical issues in the treatment of post–traumatic stress disorder in Vietnam veterans. Fairbank JA, et al. **J Clin Psychol** 1987 Jan;43(1):44–55 (64 ref.)

The effects of unconscious presentation of information on therapist conceptualizations, intentions, and responses. Goncalves OF, et al. **J Clin Psychol** 1987 Mar;43(2):237–45

Stress inoculation therapy with anxiety and stress disorders of acute psychiatric inpatients. Holcomb WR. **J Clin Psychol** 1986 Nov;42(6):864–72

View from the Nation's courts. Tarasoff waxes and wanes. Freishtat HW, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):186–8

Primary therapist response modes: comparison of six rating systems. Elliott R, et al. **J Consult Clin Psychol** 1987 Apr; 55(2):218–23

Client verbal response category system: preliminary data. Meier A, et al. **J Consult Clin Psychol** 1986 Dec;54(6):877–9

Clinical significance of psychotherapy for unipolar depression: a meta–analytic approach to social comparison [published erratum appears in J Consult Clin Psychol 1987 Jun;55(3):292] Nietzel MT, et al. **J Consult Clin Psychol** 1987 Apr;55(2):156–61

Effects of peer support and therapist contact on long–term weight loss. Perri MG, et al. **J Consult Clin Psychol** 1987 Aug;55(4):615–7

Interactional correlates of premature termination. Tracey TJ. **J Consult Clin Psychol** 1986 Dec;54(6):784–8

Effectiveness of psychotherapy with children and adolescents: a meta–analysis for clinicians. Weisz JR, et al. **J Consult Clin Psychol** 1987 Aug;55(4):542–9

Contingency and control beliefs as predictors of psychotherapy outcomes among children and adolescents. Weisz JR. **J Consult Clin Psychol** 1986 Dec;54(6):789–95

Cultural factors in clinical assessment. Westermeyer J. **J Consult Clin Psychol** 1987 Aug;55(4):471–8

Issues raised by troubled residents' need for psychotherapy. Hassenfeld I, et al. **J Med Educ** 1987 Jul;62(7):608–10

Psychoanalysis and analytical psychotherapy in the NHS [letter] Dick BM. **J Med Ethics** 1986 Dec;12(4):215–6

Psychotherapy and black women: a survey. Gray BA, et al. **J Natl Med Assoc** 1987 Feb;79(2):177–81

The value of DSM–III for psychotherapy. A feasibility study. Auerbach AH, et al. **J Nerv Ment Dis** 1987 Mar; 175(3):138–42

Goal Attainment Scaling. Relevance and replicability in follow–up of inpatients. Lewis AB, et al. **J Nerv Ment Dis** 1987 Jul;175(7):408–18

People in your life. Development of a social support measure for predicting psychotherapy outcome. Marziali EA. **J Nerv Ment Dis** 1987 Jun;175(6):327–38

Psychiatric treatment of erectile dysfunction. Allen JR. **J Okla State Med Assoc** 1987 Jan;80(1):19–22

The use of rational–emotive therapy techniques in the drug–free therapeutic community. Rothschild BH. **J Psychoactive Drugs** 1986 Jul–Sep;18(3):261–6

The therapeutic relationship with abused women. Limandri BJ. **J Psychosoc Nurs Ment Health Serv** 1987 Feb; 25(2):8–11, 15–6

Considerations on the psychotherapy of the substance abuser. Millman RB. **J Subst Abuse Treat** 1986;3(2):103–9

Gender–disordered children: does inpatient treatment help? Kosky RJ. **Med J Aust** 1987 Jun 1;146(11):565–9

What can professional psychotherapists do about heroin addiction? Alexander BK. **Med Law** 1986;5(4):323–30

Psychotherapy of mentally disturbed criminals: illusion or reality? Silfen P. **Med Law** 1986;5(5):427–30

Use of law as a treatment instrument. Zimrin H. **Med Law** 1986;5(5):417–25

Psychiatric consultation in somatization disorder [letter] Beasley JW. **N Engl J Med** 1986 Oct 30;315(18):1168–9

Rational–emotive therapy: an excellent counseling theory for NPs. Ellis A, et al. **Nurse Pract** 1987 Jul;12(7):16–21, 24, 29–32 passim

Effects of therapeutically induced affect arousal on depressive symptoms, pain and beta–endorphins among rheumatoid arthritis patients. Beutler LE, et al. **Pain** 1987 Jun;29(3):325–34

Psychotherapies with the mentally retarded. Stavrakaki C, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):733–43 (45 ref.)

Psychotherapy for substance abuse. Woody GE, et al. **Psychiatr Clin North Am** 1986 Sep;9(3):547–62 (39 ref.)

Conflict resolution and inhospital therapeutic process. Gralnick A. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):21–5

Joining the dreamer in having the dream. Mahrer AR. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):76–81

Some notes on insight and its failures. Horowitz MH. **Psychoanal Q** 1987 Jan;56(1):177–96

MMPI indicators of long–term therapy in a college counseling center. Elliott TR, et al. **Psychol Rep** 1987 Feb; 60(1):79–84

Considerations in prewarning clients of the limitations of confidentiality. Faustman WO, et al. **Psychol Rep** 1987 Feb; 60(1):195–8

Effects on self–actualization of paperbacks about psychological self–help. Forest JJ. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1243–6

Therapists' orientation and defensive styles. Ginot ER, et al. **Psychol Rep** 1986 Dec;59(3):1283–92

Efficacy of combined imipramine and interpersonal psychotherapy. Frank E, et al. **Psychopharmacol Bull** 1987; 23(1):4–7

Psychotherapeutic approaches to treatment of recurrent unipolar depression: work in progress. Frank E, et al. **Psychopharmacol Bull** 1986;22(3):558–63

Psychopharmacology, behavior modification, dynamic psychotherapy: towards an integrated approach. **Psychother Psychosom** 1986;46(1–2):1–104

Soft clinical research on an inpatient unit: effect of findings on treatment. Book HE. **Psychother Psychosom** 1986; 46(4):209–13

Therapy motivation in anorexia nervosa: theory and first empirical results. Engel K, et al. **Psychother Psychosom** 1986;46(4):161–70

Influence of partnership on the outcome of psychotherapy. Riehl A. **Psychother Psychosom** 1986;45(1):37–45

Semiologic relations of psychiatric care delivery of self–aggressive behaviour. Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):125–30 (21 ref.)

Actual ethic significances in psychiatric care delivery. Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):255–7

Individual and family therapy with eating disorder patients. Carroll AE. **Semin Adolesc Med** 1986 Mar;2(1):57–64

Treatment of sexually abused adolescents. Views of a psychologist. Cavallin BJ. **Semin Adolesc Med** 1987 Mar; 3(1):39–45

[Causes of unsuccessful psychotherapy] Beran J. **Cesk Psychiatr** 1986 Dec;82(6):402–6 (Eng. Abstr.) **(Cze)**

[Psychotherapeutic interventions in cancerology] Raimbault E. **Bull Cancer (Paris)** 1986;73(6):716–8 (Eng. Abstr.) **(Fre)**

[Treatment of alcoholic patients. Present trends] Baehler V. **Rev Med Suisse Romande** 1986 Dec;106(12):1139–47 **(Fre)**

[Psychotherapy of peptic ulcer? Expectations and reality] Stacher G. **Fortschr Med** 1986 Dec 9;104 Suppl 3:929–32 (Eng. Abstr.) **(Ger)**

[Cognitive therapy of schizophrenic patients: problem analysis and empirical results] Brenner HD, et al. **Nervenarzt** 1987 Feb;58(2):72–83 **(Ger)**

[Schizophreniform episode in the psychotherapy of a patient with anorexia nervosa] Küchenhoff J. **Nervenarzt** 1986 Sep; 57(9):545–7 **(Ger)**

[Participation of psychotherapy in internal medicine–psychosomatic rehabilitation of patients with Crohn disease] Kauert–Habersetzer A, et al. **Off Gesundheitswes** 1986 Nov;48(11):623–6 (Eng. Abstr.) **(Ger)**

[Bibliotherapy as a possible constituent of the psychotherapeutic treatment concept] Gold C. **Padiatr Grenzgeb** 1986;25(5):431–4 (Eng. Abstr.) **(Ger)**

[The initial interview in counseling—a communications viewpoint] Buchholz MB. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):98–106 (Eng. Abstr.) **(Ger)**

[The system and the individual in a day clinic] Herzka HS. **Prax Kinderpsychol Kinderpsychiatr** 1987 May–Jun; 36(4):134–8 (Eng. Abstr.) **(Ger)**

[Readiness for professional psychotherapy] Köhle P. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Dec; 38(12):722–7 (Eng. Abstr.) **(Ger)**

[Risk of suicide in the psychiatric clinic in relation to compulsory security guarantees and freedom as adjunct to therapy] Helle J. **Psychiatr Prax** 1986 Nov;13(6):226–30 (Eng. Abstr.) **(Ger)**

[Analysis of the activity and effectiveness of lay persons as therapists in a psychiatric rehabilitation project] Mackinger H, et al. **Psychiatr Prax** 1987 May;14(3):98–104 (Eng. Abstr.) **(Ger)**

[Treatment terminations and transfers of schizophrenic patients in inpatient treatment with psychotherapeutic emphasis. A systematic study] Teusch L. **Psychiatr Prax** 1986 Sep;13(5):177–84 (Eng. Abstr.) **(Ger)**

[Psychotherapy in psychogeriatric institutions—principles] Jonquière M. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):333–6 (Eng. Abstr.) **(Ger)**

[Current trends in evaluation research in psychotherapy and its significance for psychosomatic medicine] Kächele H. **Psychother Psychosom Med Psychol** 1986 Sep–Oct; 36(9–10):307–12 (Eng. Abstr.) **(Ger)**

[Forms and possibilities of psychotherapy in the aged] Radebold H. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):337–43 (Eng. Abstr.) **(Ger)**

[Borderline patients in the psychotherapy unit: DMS III diagnosis and its significance for therapy] Steiner S. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):211–8 (Eng. Abstr.) **(Ger)**

[Initial experiences with the development of a psychiatric consultation service in relation to "psychiatry in crises situations"] Saameli W. **Schweiz Arch Neurol Psychiatr** 1986;137(6):71–6 (Eng. Abstr.) **(Ger)**

[Supervision in social psychiatry] Schneider HR. **Soz Praventivmed** 1987;32(3):180–2 (Eng. Abstr.) **(Ger)**

[Psychotherapy in geriatrics] Feiereis H. **Z Gerontol** 1987 Jan–Feb;20(1):44–8 (Eng. Abstr.) **(Ger)**

[Psychotherapy in internal medicine? Systematic considerations on the problem] Röhrborn H. **Z Gesamte Inn Med** 1986 Dec 1;41(23):664–6 (Eng. Abstr.) **(Ger)**

[Cutaneous artefacts—possibilities for treatment and their limits] Gieler U, et al. **Z Hautkr** 1987 Jun 1;62(11):882–90 (Eng. Abstr.) **(Ger)**

[Determinants of the utilization of child psychiatric/psychological treatment and its success] Esser G, et al. **Z Kinder Jugenpsychiatr** 1986;14(3):228–44 (Eng. Abstr.) **(Ger)**

[Religious aspects in child psychiatry. A taboo topic?] Merz M. **Z Kinder Jugenpsychiatr** 1986;14(4):319–27 (Eng. Abstr.) **(Ger)**

[Relative demands of psychotherapy or pharmacotherapy in the treatment of depressive patients in neurologic practice] Linden M. **Z Klin Psychol Psychopathol Psychother** 1987; 35(1):6–15 **(Ger)**

[Metamorphoses of relatives in clinical psychiatry] Stoffels H. **Z Klin Psychol Psychopathol Psychother** 1986; 34(2):157–68 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic aspects in gynecologic ambulatory care?] Paech R. **Zentralbl Gynakol** 1987;109(9):604–7 (Eng. Abstr.) **(Ger)**

[Psychotherapy for the aged] Magal V, et al. **Harefuah** 1986 Jun 1;110(11):575–7 **(Heb)**

[Current problems concerning care of neurotic patients in Hungary] Zalányi S, et al. **Orv Hetil** 1986 Aug 24; 127(34):2047–51 (Eng. Abstr.) **(Hun)**

[Antipsychotherapy and antipedagogy: models of totalitarian sociotechnics] Godorowski K. **Minerva Psichiatr** 1986 Oct–Dec;27(4):345–50 (Eng. Abstr.) **(Ita)**

[Pregnancy in adolescence. Considerations on a clinical case] Pinto G, et al. **Riv Patol Nerv Ment** 1984 Jan–Feb; 105(1):15–25 (Eng. Abstr.) **(Ita)**

[Studies on the occupational maladjustment syndrome. (Part 3). In reference to the therapeutic system for the OMA syndrome and the industrial physician's roles] Natsume M, et al. **Sangyo Igaku** 1986 May;28(3):160–9 (Eng. Abstr.) **(Jpn)**

[Therapeutic possibilities in adult stuttering. Presentation of a case] Popovici C. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun;32(2):151–5 (Eng. Abstr.) **(Rum)**

[Psychotherapeutic aspects of the rehabilitation of children with chronic diseases of the digestive system] Belousov IuV, et al. **Pediatriia** 1986 Aug;(8):46–50 **(Rus)**

[Psychotherapy of neurasthenia–like disorders in the late period of craniocerebral injuries] Morozov AM. **Vrach Delo** 1987 Feb;(2):101–2 (Eng. Abstr.) **(Rus)**

[Psychological approaches in the therapy of chronic pain] Heřmánek S. **Cas Lek Cesk** 1987 Jan 16;126(3):65–8 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Hypomania following cognitive therapy [letter] Kingdon DG, et al. **Br J Psychiatry** 1986 Sep;149:383–4

ECONOMICS

Third–party payment and the outcome of psychotherapy. Yoken C, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):571–6

[Pseudo–arguments for an economic benefit. Do psychotherapists really help control costs?] Thomas G. **Psychother Psychosom Med Psychol** 1987 Feb;37(2):75–8 (Eng. Abstr.) (Ger)

EDUCATION

Establishing therapeutic contact with schizophrenics: a supervisory approach. Huszonek JJ. **Am J Psychother** 1987 Apr;41(2):185–93

The Nottingham experiential day in psychotherapy: a new approach to teaching psychotherapy to medical students. Aveline M, et al. **Br J Psychiatry** 1986 Jun;148:670–5

Teaching psychotherapy to future non psychiatric physicians: a survey of the Canadian experiences. Borgeat F, et al. **Can J Psychiatry** 1986 Nov;31(8):741–5

The effects of teaching medical students psychotherapy skills in the outpatient department. Frank D, et al. **Can J Psychiatry** 1987 Apr;32(3):185–9

Impact of suicide on therapists in training [letter] Balon R. **Compr Psychiatry** 1987 Jul–Aug;28(4):362

The impact of suicide on therapists in training. Brown HN. **Compr Psychiatry** 1987 Mar–Apr;28(2):101–12

Hobson's Conversational Model of psychotherapy—training and evaluation: discussion paper. Margison F, et al. **J R Soc Med** 1986 Aug;79(8):468–72

The effects of teaching clinical clerks psychotherapy skills in the outpatient department. Frank D, et al. **Proc Annu Conf Res Med Educ** 1984;23:117–23

Use of a long–term inpatient unit as a site for learning psychotherapy. Rosnick L. **Psychiatr Clin North Am** 1987 Jun;10(2):309–23

The teaching of psychotherapy to foreign medical graduate residents in psychiatry. Oliver N, et al. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):223–7

Teaching psychotherapy in contemporary psychiatric residency training. Committee on Therapy. Group for the Advancement of Psychiatry. **Rep Group Adv Psychiatry** 1987;(120):1–56

[The status of psychotherapy in the curricula of psychiatry I courses in Eastern Denmark 1986] Møller–Madsen S. **Ugeskr Laeger** 1987 Apr 27;149(18):1230–2 (Eng. Abstr.) (Dan)

[Do we need a "physician for psychiatry and psychotherapy?"] Hoffmann SO. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):219–22 (Eng. Abstr.) (Ger)

HISTORY

Psychotherapy by Reciprocal Inhibition: Joseph Wolpe. Lieberman S. **Br J Psychiatry** 1986 Oct;149:518–9

Sally Beauchamp's career: a psychoarchaeological key to Morton Prince's classic case of multiple personality. Rosenzweig S. **Genet Soc Gen Psychol Monogr** 1987 Feb; 113(1):5–60

INSTRUMENTATION

Computerized clinical practice: promises and shortcomings. Murphy JW, et al. **Psychol Rep** 1986 Dec;59(3):1099–113

MANPOWER

[Ecology of psychotherapeutic management in West Germany] Angermeyer MC, et al. **Psychother Psychosom Med Psychol** 1987 May;37(5):161–9 (Eng. Abstr.) (Ger)

METHODS

Long–term treatment needs of hospitalized adolescents. Pearson GT. **Adolesc Psychiatry** 1987;14:342–57

Telephone psychotherapy with adolescents. Tolchin J. **Adolesc Psychiatry** 1987;14:332–41

Principles underlying a manual for parents whose children were killed by a drunk driver. Weiss RS. **Am J Orthopsychiatry** 1987 Jul;57(3):431–40

The initial contract in the treatment of borderline patients. Selzer MA, et al. **Am J Psychiatry** 1987 Jul;144(7):927–30

Twelve–month follow–up of psychotherapy for opiate dependence. Woody GE, et al. **Am J Psychiatry** 1987 May; 144(5):590–6

Can drugs be used to enhance the psychotherapeutic process? Grinspoon L, et al. **Am J Psychother** 1986 Jul;40(3):393–404

Therapeutic uses of humor. Haig RA. **Am J Psychother** 1986 Oct;40(4):543–53

The use of paraverbal therapy in treating an inaccessible, traumatized child. Heimlich EP. **Am J Psychother** 1987 Apr;41(2):299–307

Psychotherapy with severely traumatized refugees. Kinzie JD, et al. **Am J Psychother** 1987 Jan;41(1):82–94

Humor in psychotherapy [letter] Kuhlman TL. **Am J Psychother** 1987 Apr;41(2):328–9

Psychotherapy with the substance–dependent physician: pitfalls and strategies. Notman MT, et al. **Am J Psychother** 1987 Apr;41(2):220–30

Integrating paradoxical interventions in the normal course of therapy: a nonspecific approach. Omer H. **Am J Psychother** 1986 Oct;40(4):572–81

Elements of treatment for suicidal preadolescents. Pfeffer CR. **Am J Psychother** 1987 Apr;41(2):172–84

Humor in psychotherapy: a view. Reynes RL, et al. **Am J Psychother** 1987 Apr;41(2):260–70

Body–oriented therapy for anorexia nervosa patients. Vandereycken W, et al. **Am J Psychother** 1987 Apr; 41(2):252–9

The spectrum of depression in multiple sclerosis. An approach for clinical management. Schiffer RB. **Arch Neurol** 1987 Jun;44(6):596–9

Live and taped relaxation instructions: effects of procedural variables. Hamberger LK, et al. **Biofeedback Self Regul** 1986 Mar;11(1):31–46

Expectancy and outcome in prescriptive vs. exploratory psychotherapy. Morrison LA, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):59–60

Prediction versus reflection in therapist demonstrations of understanding: a replication with clinical cases. Alpher VS, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):235–6

Arriving, settling–in, settling–down, leaving and following–up: stages of stay at the Arbours Centre. Berke JH. **Br J Med Psychol** 1987 Jun;60 (Pt 2):181–8

The case of the anxious executive: a study from the research clinic. Parry G, et al. **Br J Med Psychol** 1986 Sep;59 (Pt 3):221–33

Storytelling in therapy and counseling. Wynne E. **Child Today** 1987 Mar–Apr;16(2):11–5

The challenge of sexual abuse: protection and therapy in a child welfare setting. McDonough H, et al. **Child Welfare** 1987 May–Jun;66(3):225–35

The psychiatric management of parasuicide patients: a controlled clinical study comparing different strategies of outpatient treatment. Torhorst A, et al. **Crisis** 1987 Mar; 8(1):53–61

Cognitive therapy and relaxation training in muscle contraction headache: efficacy and cost–effectiveness. Attanasio V, et al. **Headache** 1987 May;27(5):254–60

Insight and injury [letter] Moffic HS. **Hosp Community Psychiatry** 1987 Mar;38(3):305–6

A review of supportive psychotherapy. Winston A, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1105–14

Experiences with ayurvedic psychotherapy. Nespor K, et al. **Int J Psychosom** 1986;33(3):29–30

Psychotherapy with schizophrenic children. Cantor S, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):623–30

Paradoxical intention vs stimulus control in the treatment of severe insomnia. Ladouceur R, et al. **J Behav Ther Exp Psychiatry** 1986 Dec;17(4):267–9

Key determinants of the MMPI–PTSD subscale: treatment considerations. Hyer L, et al. **J Clin Psychol** 1987 May; 43(3):337–40

Gestalt dialogues as a treatment for mild depression: time works just as well. Tyson GM, et al. **J Clin Psychol** 1987 Mar;43(2):227–31

Cuento therapy: a culturally sensitive modality for Puerto Rican children. Costantino G, et al. **J Consult Clin Psychol** 1986 Oct;54(5):639–45

How do interpretations influence the process of psychotherapy? Silberschatz G, et al. **J Consult Clin Psychol** 1986 Oct;54(5):646–52

Treatment progress in 20 patients with multiple personality disorder. Coons PM. **J Nerv Ment Dis** 1986 Dec; 174(12):715–21

The use of imagery in the treatment of posttraumatic stress disorder. Grigsby JP. **J Nerv Ment Dis** 1987 Jan; 175(1):55–9

The use of audiovisual materials in sex therapy: a critical overview. Neidigh L, et al. **J Sex Marital Ther** 1987 Spring; 13(1):64–72 (20 ref.)

The semantics of success: do masturbation exercises lead to partner orgasm? Wakefield JC. **J Sex Marital Ther** 1987 Spring;13(1):3–14

Recovery oriented psychotherapy. Zweben JE. **J Subst Abuse Treat** 1986;3(4):255–62

Towards need–specific treatment of schizophrenic psychoses. Alanen YO, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 1986;41:1–295

Psychological intervention in delirium. An important component of management. Richeimer SH. **Postgrad Med** 1987 Apr;81(5):173–7, 180

The behavioral schema: an integration of modes of learning. Olds DD. **Psychiatry** 1987 May;50(2):112–25

Problem–centered psychotherapy. Frank G. **Psychol Rep** 1987 Jun;60(3 Pt 2):1167–70

Validity of self–designated therapeutic orientation. Herron WG, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):797–8

Psychotherapy of depressives. Battegay R. **Psychopathology** 1986;19 Suppl 2:118–23

Cognitive therapy for depression. Zapotoczky HG. **Psychopathology** 1986;19 Suppl 2:142–7 (31 ref.)

Psychotherapy research. Clinical trials versus clinical reality. Fava GA. **Psychother Psychosom** 1986;46(1–2):6–12

Integrated psychotherapeutic treatment of somatoform and other psychophysiological disorders. Moss E, et al. **Psychother Psychosom** 1986;45(2):105–12

Medical psychotherapy [letter] **South Med J** 1987 Jul; 80(7):935–6

[Instructive psychotherapy in 34 cases of impotence after vasoligation] Lu LG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Feb; 20(1):62–4 (Eng. Abstr.) (Chi)

[Place of cognitive–behavioral therapies in resistant depressions] Horenstein M. **Encephale** 1986 Oct;12 Spec No:231–6 (19 ref.) (Eng. Abstr.) (Fre)

[The story in a one–to–one relation] Dubois G. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):273–6 (Eng. Abstr.) (Fre)

[Stories and their organizing function] Lafforgue P. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(4):265–70 (Eng. Abstr.) (Fre)

[Psychotherapy in schizophrenia—theory and practice of individual treatment. A review] Krull F. **Fortschr Neurol Psychiatr** 1987 Feb;55(2):54–67 (Eng. Abstr.) (Ger)

[Holding and the problem of attachment in autism: theoretical considerations] Gruen A, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Oct;35(7):248–53 (Eng. Abstr.) (Ger)

[Attention–interaction therapy with psychotic children] Hartmann H. **Prax Kinderpsychol Kinderpsychiatr** 1986 Oct;35(7):242–7 (Eng. Abstr.) (Ger)

[Psychotherapy of patients with hearing impairment] Fengler J. **Rehabilitation (Stuttg)** 1986 Nov;25(4):166–72 (Eng. Abstr.) (Ger)

[The body in psychiatric and psychotherapeutic treatment. Theoretical and applied studies—a review] Maurer Y. **Schweiz Arch Neurol Psychiatr** 1987;138(3):49–60 (Eng. Abstr.) (Ger)

[A systemic approach in psychotherapy] Stierlin H. **Wien Klin Wochenschr [Suppl]** 1986;170:19–22 (Eng. Abstr.) (Ger)

[What does psychotherapy accomplish in the treatment of psychosomatic disorders?] Gathmann P, et al. **Wien Med Wochenschr** 1986 Oct 31;136(19–20):486–90 (Eng. Abstr.) (Ger)

[Evaluation of psychotherapy—basic research perspectives] Baumann U. **Z Klin Psychol Psychopathol Psychother** 1986; 34(2):169–78 (Eng. Abstr.) (Ger)

[Problems concerning diagnostic criteria and treatment of neurosis] **Seishin Shinkeigaku Zasshi** 1986;88(10):728–58 (Jpn)

[Therapeutic aspects of "silence" between therapists and schizophrenics—phenomenological psychotherapy] Matsuo T. **Seishin Shinkeigaku Zasshi** 1986;88(8):509–38 (Eng. Abstr.) (Jpn)

[Stress–suggestive action in the treatment of neuroses with the anxiety–phobia syndrome] Soroka SV. **Vrach Delo** 1987 Apr;(4):102–3 (Rus)

[Psychodynamic approach in patients with breast carcinoma] Nad M, et al. **Lijec Vjesn** 1987 Feb–Mar;109(2–3):105–8 (Eng. Abstr.) (Scr)

STANDARDS

The relationship of patient difficulty to therapist performance in interpersonal psychotherapy of depression. Foley SH, et al. **J Affective Disord** 1987 May–Jun;12(3):207–17

Patients rights in psychiatric treatments (and how to avoid malpractice). Tobias CR, et al. **J Ky Med Assoc** 1986 Aug; 84(8):399–401

[Efficacy of psychotherapy: contextual and structural ingredients] Pelsser R. **Union Med Can** 1986 May; 115(5):333–6 (15 ref.) (Eng. Abstr.) (Fre)

[Psychotherapeutic competence] Förster E. **Z Kinder Jugenpsychiatr** 1986;14(3):209–11 (Ger)

[Can quality control be applied to psychotherapy? Review of the literature] Shorek J, et al. **Harefuah** 1987 Mar 1; 112(5):251–4 (32 ref.) (Heb)

TRENDS

The future of psychotherapy: one psychologist's perspective. Cummings NA. **Am J Psychother** 1987 Jul;41(3):349–60

Psychotherapy in a changing postindustrial society. Lesse S. **Am J Psychother** 1987 Jul;41(3):336–48

Conceptual trends and issues in the psychotherapy of schizophrenia. Munich RL. **Am J Psychother** 1987 Jan; 41(1):23–37

Paradigmatic shifts: social responsibility and psychiatry [letter] Hay W. **Can J Psychiatry** 1986 Nov;31(8):791–2

[Regulative music therapy (RMT) in depressive diseases—a contribution to the development of psychotherapy in psychiatry] Reinhardt A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Sep; 38(9):547–53 (Eng. Abstr.) (Ger)

[Excerpt from the recommendations of the scientific council for clinical research in universities] Hoffmann SO, et al. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):355–9 (Ger)

[The future of psychotherapy] Strotzka H. **Wien Klin Wochenschr [Suppl]** 1986;170:18–9 (Eng. Abstr.) (Ger)

[Therapeutic trends] Nissen G. **Z Kinder Jugenpsychiatr** 1987; 15(1):3–5 (Ger)

PSYCHOTHERAPY, BRIEF

Brief therapy and reagapeutics [letter] Parad HJ. **Am J Orthopsychiatry** 1987 Jul;57(3):458–9

A comparison of two psychological treatments for bulimia nervosa. Fairburn CG, et al. **Behav Res Ther** 1986; 24(6):629–43

Successful treatment of a case of ocular tic utilizing brief, intensive psychoanalytic psychotherapy. Rinsley DB. **Bull Menninger Clin** 1986 Sep;50(5):447–55

Assessing the impact of psychological intervention on family practice clinic visits. Brantley PJ, et al. **Fam Med** 1986 Nov–Dec;18(6):351–4

A brief family intervention with an adolescent referred for drug taking. Seligman P. **J Adolesc** 1986 Sep;9(3):231–42

Follow-up study of psychotherapeutically-induced change in clients' constructs of self. Morrison JK, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):537–8

Countertransference responses in short-term dynamic psychotherapy. Vaslamatzis G, et al. **Psychother Psychosom** 1986;46(3):105–9

[Brief analytic psychotherapies. I. Historical and conceptual foundations] Petit P. **Ann Med Psychol (Paris)** 1986 May; 144(5):473–81 (Eng. Abstr.) **(Fre)**

[Model of crisis intervention: theoretical actuality and clinical usefulness] Barrelet L, et al. **Schweiz Arch Neurol Psychiatr** 1987;138(3):35–48 (Eng. Abstr.) **(Fre)**

[Psychiatric consultation in crisis intervention] De Coulon N. **Schweiz Arch Neurol Psychiatr** 1986;137(6):77–81 **(Fre)**

[The clinical interview in obstetric psychoprophylaxis] Gasparini M, et al. **Minerva Ginecol** 1987 Apr;39(4):277–9 (Eng. Abstr.) **(Ita)**

[Physician–patient relations in autogenic training and hypnotherapy] Merra S. **Minerva Med** 1986 Sep 15; 77(34–35):1567–76 (Eng. Abstr.) **(Ita)**

[Models of brief psychotherapy] Merra S. **Minerva Med** 1986 Sep 15;77(34–35):1557–65 (Eng. Abstr.) **(Ita)**

ECONOMICS

Brief therapy in the age of Reagapeutics. Good PR. **Am J Orthopsychiatry** 1987 Jan;57(1):6–11

METHODS

A review of brief individual psychotherapies. Ursano RJ, et al. **Am J Psychiatry** 1986 Dec;143(12):1507–17 (80 ref.)

Brief goal–limited couple therapy in the treatment of homosexuals. Weisstub EB, et al. **Am J Psychother** 1987 Jan;41(1):95–103

Use of a metaphor in the treatment of combat-induced posttraumatic stress disorder. Witztum E, et al. **Am J Psychother** 1986 Jul;40(3):457–65

Guidelines for short-term inpatient psychotherapy. Leibenluft E, et al. **Hosp Community Psychiatry** 1987 Jan; 38(1):38–43

Parallel and conjoint short-term group therapy for school-age children and their parents: a model. Parmenter G, et al. **Int J Group Psychother** 1987 Apr;37(2):239–54

The process of time-limited psychotherapy with latency-aged children. Sloves R, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):847–51

The relation between specific and general dimensions of the psychotherapy process in interpersonal psychotherapy of depression. Rounsaville BJ, et al. **J Consult Clin Psychol** 1987 Jun;55(3):379–84

Comparative effectiveness of psychotherapies for depressed elders. Thompson LW, et al. **J Consult Clin Psychol** 1987 Jun;55(3):385–90

Interpersonal psychotherapy (IPT) and drugs in the treatment of depression. Klerman GL, et al. **Pharmacopsychiatry** 1987 Jan;20(1):3–7

An appraisal of selection criteria for dynamic psychotherapies and implications for setting time limits. Binder JL, et al. **Psychiatry** 1987 May;50(2):154–66

Brief dynamic psychotherapy: toward a more comprehensive model. Donovan JM. **Psychiatry** 1987 May;50(2):167–83

[Brief analytical psychotherapies. II. Technic] Petit P. **Ann Med Psychol (Paris)** 1986 Jul;144(7):681–93 (Eng. Abstr.) **(Fre)**

[Short-term psychotherapy] Rechenberger HG. **Wien Klin Wochenschr [Suppl]** 1986;170:26–8 (Eng. Abstr.) **(Ger)**

PSYCHOTHERAPY, GROUP

Stability of treatment outcome in short-term psychiatric care. A six-month follow-up of a controlled study of patient involvement. Hansson L, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):360–7

Value of group counseling in secondary schools. Berkovitz IH. **Adolesc Psychiatry** 1987;14:522–45

Group therapy with friends of an adolescent suicide. Saffer JB. **Adolescence** 1986 Fall;21(83):743–5

Enhancement of self-esteem among female adolescent incest victims: a controlled comparison. Verleur D, et al. **Adolescence** 1986 Winter;21(84):843–54

Therapeutic modality comparisons in day treatment. Klyczek JP, et al. **Am J Occup Ther** 1986 Sep;40(9):606–11

A controlled study of transitional day care for non-chronically-ill patients. Glick ID, et al. **Am J Psychiatry** 1986 Dec;143(12):1551–6

Patient attrition in dynamically oriented treatment groups. Roback HB, et al. **Am J Psychiatry** 1987 Apr;144(4):426–31

The role of group psychotherapy in the treatment of substance abusers. Cooper DE. **Am J Psychother** 1987 Jan; 41(1):55–67

Group therapies for rheumatoid arthritis. A controlled study of two approaches. Strauss GD, et al. **Arthritis Rheum** 1986 Oct;29(10):1203–9

Consumers' views of the helpful aspects of an in-patient psychotherapy group: a preliminary communication. Whalan GS, et al. **Br J Med Psychol** 1986 Dec;59 (Pt 4):337–9

Dominance hierarchies in psychotherapy groups. Kennedy JL, et al. **Br J Psychiatry** 1986 Jun;148:625–31

Thirty month follow-up of cognitive-behavioural group therapy for bulimia [letter] Luka LP, et al. **Br J Psychiatry** 1986 May;148:614–5

Art group psychotherapy in a psychiatric day unit. Lund C, et al. **Br J Psychiatry** 1986 Oct;149:512–5

Psychodynamic group treatment of young adult bulimic women: preliminary positive results. O'Neil MK, et al. **Can J Psychiatry** 1987 Mar;32(2):153–5

Management of obese patients with diabetes mellitus: comparison of advice education with group management. White N, et al. **Diabetes Care** 1986 Sep–Oct;9(5):490–6

The practice of group psychotherapy with adult insulin-dependent diabetics. Aveline MO, et al. **Diabetic Med** 1985 Jul;2(4):275–82

Cognitive group therapy for wives of alcoholics—a pilot study. Farid B, et al. **Drug Alcohol Depend** 1986 Jul; 17(4):349–58

Experimental evaluation of the effectiveness of group intervention for dementia caregivers. Haley WE, et al. **Gerontologist** 1987 Jun;27(3):376–82

Preliminary findings on a new instrument to measure cohesion in group psychotherapy. Budman SH, et al. **Int J Group Psychother** 1987 Jan;37(1):75–94

Structures in interpretations: a group psychoanalytic perspective. Debbane EG, et al. **Int J Group Psychother** 1986 Oct;36(4):517–32

Clinical application of research instruments: editor's introduction. Dies RR. **Int J Group Psychother** 1987 Jan; 37(1):31–7

Client outcome as a function of agreement or disagreement with the modal group perception of curative factors in short-term, structured group psychotherapy. Flowers JV. **Int J Group Psychother** 1987 Jan;37(1):113–8

Group process instruments: therapeutic themes and issues. Fuhriman A, et al. **Int J Group Psychother** 1986 Jul; 36(3):399–425

Acting out during group psychotherapy for incest. Ganzarain R, et al. **Int J Group Psychother** 1987 Apr;37(2):185–200

Effect of patients' evaluation of group behavior on therapy outcome. Hisli N. **Int J Group Psychother** 1987 Jan; 37(1):119–24

Group therapy with schizophrenics: a review of controlled studies. Kanas N. **Int J Group Psychother** 1986 Jul; 36(3):339–60

Therapy group with schizophrenics: response to Dr. Parloff. Kanas N. **Int J Group Psychother** 1986 Oct;36(4):597–601

Change patterns of borderline patients in individual and group therapy. Kretsch R, et al. **Int J Group Psychother** 1987 Jan;37(1):95–112

An analysis of AGPA Institute groups. MacKenzie KR, et al. **Int J Group Psychother** 1987 Jan;37(1):55–74

Group therapy as a treatment modality of special value for Hispanic patients. McKinley V. **Int J Group Psychother** 1987 Apr;37(2):255–68

Women's groups led by women: the management of devaluing transferences. McWilliams N, et al. **Int J Group Psychother** 1987 Apr;37(2):139–62

Dream interpretation in group psychotherapy: an Indian experience. Narayanan HS, et al. **Int J Group Psychother** 1986 Oct;36(4):587–93

Group psychotherapy of bulimia: a critical review. Oesterheld JR, et al. **Int J Group Psychother** 1987 Apr; 37(2):163–84 (32 ref.)

The contemporary group psychotherapy scene: an international perspective. Salvendy JT. **Int J Group Psychother** 1986 Oct;36(4):603–7

A survey of expectations about group therapy among clinical and nonclinical populations. Slocum YS. **Int J Group Psychother** 1987 Jan;37(1):39–54

Narcissism and loss in the elderly: strategies for an inpatient older adults group. Sorensen MH. **Int J Group Psychother** 1986 Oct;36(4):533–47

Group psychotherapy with ego impaired children: the significance of peer group culture in the evolution of a holding environment. Spinner D, et al. **Int J Group Psychother** 1986 Jul;36(3):427–46

Theoretical and technical elements which characterize the American approaches to psychoanalytic group psychotherapy. Tuttman S. **Int J Group Psychother** 1986 Oct;36(4):499–515

Professional activities and training of AGPA members: a view over two decades. Winick C, et al. **Int J Group Psychother** 1986 Jul;36(3):471–6

Group psychotherapy in Japan today. Yamaguchi T. **Int J Group Psychother** 1986 Oct;36(4):567–78

Group cognitive therapy and alprazolam in the treatment of depression in older adults. Beutler LE, et al. **J Consult Clin Psychol** 1987 Aug;55(4):550–6

Social climate comparison of mutual help and psychotherapy groups. Toro PA, et al. **J Consult Clin Psychol** 1987 Jun; 55(3):430–1

Psychological approaches to improve patient compliance. Haehn KD. **J Hypertens [Suppl]** 1985 Apr;3(1):S61–4

Patient selection and preparation techniques. Avoiding early dropouts. Murphy JF, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Sep;24(9):21–4, 26

School-based, short-term group treatment for behaviorally disturbed young adolescent males: a pilot intervention. Rauch SP, et al. **J Sch Health** 1987 Jan;57(1):19–22

Effects of stress inoculation training on self-report, behavioural and psychophysiological reactions to abseiling. Mace RD, et al. **J Sports Sci** 1986 Winter;4(3):229–36

The family support group in the treatment of amyotrophic lateral sclerosis. Finger S. **Neurol Clin** 1987 Feb;5(1):83–100

Antidepressants vs. group therapy in the treatment of bulimia. Mitchell JE, et al. **Psychopharmacol Bull** 1987;23(1):41–4

Homogeneous groups as treatment modality for anorectics. Edelstein EL, et al. **Psychother Psychosom** 1986;46(4):205–8

Ambulatory management and group therapies in bulimia. Collins M. **Semin Adolesc Med** 1986 Mar;2(1):65–73

Growth-support intervention for the treatment of depression in women of middle years. Gordon VC, et al. **West J Nurs Res** 1986 Aug;8(3):263–83

[Comprehensive adaptation therapy of sexual delinquents] Zimanová J, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):211–4 (Eng. Abstr.) **(Cze)**

[Tobacco detoxication by acupuncture and group psychotherapy] Lebeau B, et al. **Rev Med Interne** 1986 Nov;7(5):471–6 (Eng. Abstr.) **(Fre)**

[Group approaches in the Pâquis sector] de Verdière D. **Rev Med Suisse Romande** 1986 Dec;106(12):1131–7 **(Fre)**

[Family therapists' experiences of their families of origin. A report of experiences] Rücker-Embden-Jonasch I, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov–Dec; 35(8):305–12 (Eng. Abstr.) **(Ger)**

[Aspects of process diagnosis in the psychotherapy of psychosomatic diseases] Schuchart E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):572–8 (Eng. Abstr.) **(Ger)**

[Fantasy and inertia. A group experience with psychotic patients at a halfway facility] Brandao V, et al. **Minerva Psichiatr** 1986 Jul–Sep;27(3):269–72 (Eng. Abstr.) **(Ita)**

[Group psychotherapy. What structure should psychiatric institutions have?] Karterud S. **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2834–6, 2839 (Eng. Abstr.) **(Nor)**

[Preliminary evaluation of the effectiveness of short-term group psychotherapy in the combined treatment of paranoid schizophrenia] Jakubik A, et al. **Psychiatr Pol** 1986 May–Jun;20(3):208–14 (Eng. Abstr.) **(Pol)**

[Value of psychotherapeutic procedures in the complex treatment of patients with paranoid symptoms: an empirical evaluation] Wciórka J, et al. **Psychiatr Pol** 1987 Jan–Feb; 21(1):32–8 (Eng. Abstr.) **(Pol)**

[Psychotherapy of hysterical neurosis] Rakitin MM, et al. **Sov Med** 1986;(9):112–5 **(Rus)**

[Group psychotherapy in the rehabilitation program for alcoholics] Guzikov BM, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1231–3 (Eng. Abstr.) **(Rus)**

[Therapeutic group counseling for women with sex disorders] Saint-Jean H, et al. **Bol Of Sanit Panam** 1987 Mar; 102(3):257–62 (Eng. Abstr.) **(Spa)**

[Treatment of smoking: a comparison between supportive therapy and therapy using support, nicotine chewing gum and behavior reinforcement] Salvador Llivina T, et al. **Med Clin (Barc)** 1986 Oct 4;87(10):403–6 (Eng. Abstr.) **(Spa)**

EDUCATION

Personal themes from training groups for health care professionals. Aveline M. **Br J Med Psychol** 1986 Dec;59 (Pt 4):325–35

The use of written reports in a brief group psychotherapy training. Aveline M. **Int J Group Psychother** 1986 Jul; 36(3):477–82

Presidential address: contributions of the group psychotherapist to education on the psychiatric unit: teaching through group dynamics. Kibel HD. **Int J Group Psychother** 1987 Jan;37(1):3–29

METHODS

Antisocial behavior, school performance, and reactions to loss: the value of group counseling and communication skills training. Fleisher SJ, et al. **Adolesc Psychiatry** 1987; 14:546–55

Group therapy for black women: a therapeutic support model. Boyd-Franklin N. **Am J Orthopsychiatry** 1987 Jul; 57(3):394–401

Group treatment of benzodiazepine dependence. Higgitt A, et al. **Br J Addict** 1987 May;82(5):517–32

Inpatient group psychotherapy. Roberts JP. **Br J Hosp Med** 1986 Nov;36(5):367–70

Indications for group psychotherapy with borderline and narcissistic patients. Horwitz L. **Bull Menninger Clin** 1987 May;51(3):248–60

A psychotherapeutic group for men. Swenson JR, et al. **Can J Psychiatry** 1987 May;32(4):298–302

A group treatment program for adolescent sex offenders: five steps toward resolution. Smets AC, et al. **Child Abuse Negl** 1987;11(2):247–54

Treatment issues with sexually abused young children. Damon L, et al. **Child Welfare** 1987 Mar–Apr;66(2):125–37

Analytically oriented group psychotherapy with borderline patients as long-term crisis management. Battegay R, et

al. **Crisis** 1986 Sep;7(2):94–110
Treatment outcome in a group geropsychiatry program for veterans. Sullivan EM, et al. **Gerontologist** 1987 Aug; 27(4):434–6
Successful living: a social skills and problem-solving group for the chronic mentally ill. Hierholzer RW, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):913–8
Curative factors in two types of inpatient psychotherapy groups. Kahn EM, et al. **Int J Group Psychother** 1986 Oct; 36(4):579–85
Long-term inpatient group psychotherapy: the ward group. Klein RH, et al. **Int J Group Psychother** 1986 Jul; 36(3):361–80
Parallel and conjoint short-term group therapy for school-age children and their parents: a model. Parmenter G, et al. **Int J Group Psychother** 1987 Apr;37(2):239–54
The development, process, and evaluation of group psychotherapy with sexually abused preschool girls. Pescosolido FJ, et al. **Int J Group Psychother** 1986 Jul; 36(3):447–69
The therapeutic use of reminiscence. Poulton JL, et al. **Int J Group Psychother** 1986 Jul;36(3):381–98
Some connections between a group-analytic and a group focal conflict perspective. Whitaker DS. **Int J Group Psychother** 1987 Apr;37(2):201–18
Group coping skills instruction and supportive group therapy for cancer patients: a comparison of strategies. Telch CF, et al. **J Consult Clin Psychol** 1986 Dec;54(6):802–8
Sociotherapy and psychotherapy in the treatment of personality disorder: discussion paper. Whiteley JS. **J R Soc Med** 1986 Dec;79(12):721–5
Sex therapy: an adjunct in the treatment of marital discord. Mobarak A, et al. **J Sex Marital Ther** 1986 Fall; 12(3):229–38
A system of group therapy for the treatment of marital and sexual dysfunction. Reckless J, et al. **J Sex Marital Ther** 1980 Fall;6(3):199–204
A study of alternating leadership for group psychotherapy in an aftercare clinic. Levin D, et al. **Perspect Psychiatr Care** 1985;23(1):33–8
Group psychotherapy in an acute inpatient setting. Kapur R, et al. **Psychiatry** 1986 Nov;49(4):337–49
Group treatment of patients with irritable bowel syndrome. Lammert M, et al. **Soc Work Health Care** 1986 Fall; 12(1):67–92
[Open play groups in adolescent psychiatry] Hoffmeyer O, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Oct; 35(7):261–5 (Eng. Abstr.) **(Ger)**
[Experiences with intended dynamic group psychotherapy in the complex therapy of schizophrenic patients] Ehle G. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Feb;39(2):89–97 (Eng. Abstr.) **(Ger)**
[Fairy tale drama—an inpatient group psychotherapeutic method for patients with ego disorders] Garde T, et al. **Psychiatr Prax** 1987 Jul;14(4):137–41 (Eng. Abstr.) **(Ger)**
["Self-help potential of the family" can overtax the abilities of the marital partner. Report on a family group of Huntington chorea patients] Leimkühler AM. **Psychiatr Prax** 1987 May;14(3):78–83 (Eng. Abstr.) **(Ger)**

PSYCHOTHERAPY, RATIONAL-EMOTIVE see under **PSYCHOTHERAPY**

PSYCHOTIC DISORDERS

Psychosis and pregnancy: some new ethical and legal dilemmas for the physician. Dal Pozzo EE, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):425–7
Working with parents of disturbed adolescents: a multifaceted group approach. Peterson LE, et al. **Child Welfare** 1987 Mar–Apr;66(2):139–48
Capgras syndrome. Rea SM, et al. **Ulster Med J** 1986 Oct; 55(2):184–6
[Therapy of acute intentional poisoning in psychotic patients] Knežević A, et al. **Med Pregl** 1986;39(3–4):175–6 (Eng. Abstr.) **(Scr)**
[Postpartum psychosis—new discoveries in an old disease] Lindström L, et al. **Lakartidningen** 1987 Mar 4;84(10):755–8 **(Swe)**

BLOOD

Acute psychosis and plasma catecholamine metabolites [letter] Bowers MB Jr, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):190
Abnormalities of one-carbon metabolism in psychiatric disorders: study of methionine adenosyltransferase kinetics and lipid composition of erythrocyte membranes. Smythies JR, et al. **Biol Psychiatry** 1986 Dec;21(14):1391–8

CEREBROSPINAL FLUID

Quantification of beta-endorphins in psychiatric patients under cerebellar chronic stimulation in on and off state. Madrazo-Navarro I, et al. **Arch Invest Med (Mex)** 1985; 16 Suppl 3:143–9 **(Eng, Spa)**

CLASSIFICATION

DSM-III preview. Psychotic and mood disorders. Williams JB. **Hosp Community Psychiatry** 1987 Jan;38(1):13–4
Schizo-affective disorders: bipolar-unipolar subtyping. Natural history variables: a discriminant analysis approach. Van Eerdewegh MM, et al. **J Affective Disord** 1987 May-Jun;12(3):223–32
An intrinsic way of multiclassification of endogenous psychoses. A follow-through investigation/Budapest 2000/based upon Leonhard's classification. Pethö B. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:67–83
The genetical basis of the Leonhardian classification of endogenous psychoses. Ungvári G. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:84–9
[The classification of endogenous psychoses] **Psychiatr Neurol Med Psychol [Beih]** 1986;33:1–121 **(Ger)**
[Effect of long-term neuroleptic medication on the course of phasic and remittent subclasses of endogenous psychoses] Albert E. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:97–107 **(Ger)**
[Cycloid and schizoaffective psychoses in a study of schizophrenia in Bonn] Armbruster B, et al. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:54–62 **(Ger)**
[Remarks on the classification status of endogenous psychoses] Neumärker KJ. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:11–25 **(Ger)**
[Cycloid psychoses and their status within the scope of the classification of endogenous psychoses] Perris C, et al. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:48–53 **(Ger)**
[Thoughts on the pathogenetic and phenomenologic separation of the endogenous psychosyndrome] Rennert H. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:43–7 **(Ger)**
[Attempt at neurobiochemical confirmation of the Leonard classification of psychoses] Uebelhack R. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:90–6 **(Ger)**

COMPLICATIONS

Dyschromatopsia in a psychiatric population. Renfroe JB, et al. **Ala Med** 1987 Feb;56(8):20, 25–8
Psychiatric manifestations of homocystinuria due to cystathionine beta-synthase deficiency: prevalence, natural history, and relationship to neurologic impairment and vitamin B6-responsiveness. Abbott MH, et al. **Am J Med Genet** 1987 Apr;26(4):959–69
Obsessive-compulsive disorder and psychosis [letter] Sandifer MG. **Am J Psychiatry** 1987 Jul;144(7):969
Adjunctive imipramine in the treatment of postpsychotic depression. A controlled trial. Siris SG, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):533–9
Temporary urinary incontinence in the acute psychiatric patient without delirium or dementia. Berrios GE. **Br J Psychiatry** 1986 Aug;149:224–7
On vagrancy and psychosis. Baasher T, et al. **Community Ment Health J** 1983 Spring;19(1):27–41
Psychosis and pregnancy. Chang SS, et al. **Compr Ther** 1986 Oct;12(10):36–41
Idiopathic hypoparathyroidism with epilepsy and psychosis. Burke J, et al. **Ir J Med Sci** 1986 Aug;155(8):287–8
Cotard's syndrome in a patient with coexistent Capgras' syndrome, syndrome of subjective doubles, and palinopsia. Joseph AB. **J Clin Psychiatry** 1986 Dec;47(12):605–6
Akinesia and postpsychotic depression: a difficult differential diagnosis. Siris SG. **J Clin Psychiatry** 1987 Jun;48(6):240–3
PIP syndrome [letter] Wilson WH. **J Clin Psychiatry** 1987 Apr;48(4):173
[Cancer and psychosis] Merle H. **J Chir (Paris)** 1987 Mar; 124(3):204–9 **(Fre)**
[Psychoses and dementia in epilepsy (clinical picture, syndromokinesis, prognosis)] Belov VP, et al. **Zh Nevropatol Psikhiatr** 1987;87(6):817–21 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Social course and outcome of delusional psychosis. Jørgensen P. **Acta Psychiatr Scand** 1987 Jun;75(6):629–34
A prospective study of postpartum psychoses in a high-risk group. 2. Relationships to demographic and psychiatric history characteristics. McNeil TF. **Acta Psychiatr Scand** 1987 Jan;75(1):35–43
A prospective study of postpartum psychoses in a high-risk group. 1. Clinical characteristics of the current postpartum episodes. McNeil TF. **Acta Psychiatr Scand** 1986 Aug; 74(2):205–16
Neuropsychological functioning in schizoaffective disorder, depressed type. Maj M. **Acta Psychiatr Scand** 1986 Nov; 74(5):524–8
Psychotic symptoms in borderline personality disorder. Chopra HD, et al. **Am J Psychiatry** 1986 Dec; 143(12):1605–7
Schizoaffective mania reconsidered. Levinson DF, et al. **Am J Psychiatry** 1987 Apr;144(4):415–25 (73 ref.)
Schizoaffective psychosis. II. Manic, bipolar, and depressive subtypes. McGlashan TH, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):138–9
Schizoaffective psychosis. I. Comparative long-term outcome. Williams PV, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):130–7
Relation of clinical symptoms to apomorphine-stimulated growth hormone release in mood-incongruent psychotic patients. Zemlan FP, et al. **Arch Gen Psychiatry** 1986 Dec; 43(12):1162–7
Coexistence of Capgras and its related syndromes in a single patient. Atwal S, et al. **Aust NZ J Psychiatry** 1986 Dec; 20(4):496–8
Diagnostic utility of the dexamethasone suppression test. Krishnan KR, et al. **Biol Psychiatry** 1987 May;22(5):618–28
The Rust Inventory of Schizoid Cognitions (RISC): a psychometric measure of psychoticism in the normal population. Rust J. **Br J Clin Psychol** 1987 May;26 (Pt 2):151–2
Are schizophreniform symptoms present in attenuated form in children with Tourette disorder and other developmental disorders. Kerbeshian J, et al. **Can J Psychiatry** 1987 Mar; 32(2):123–35
Feigned psychosis in a 14-year-old girl. Greenfeld D. **Hosp Community Psychiatry** 1987 Jan;38(1):73–5
Capgras-like symptoms in a delayed posttraumatic stress disorder. A clinical riddle. Mester R, et al. **Isr J Psychiatry Relat Sci** 1986;23(1):77–81
Outcome in RDC schizo-affective depression: the importance of diagnostic subtyping. Coryell W, et al. **J Affective Disord** 1987 Jan-Feb;12(1):47–56
Response to the dexamethasone suppression test in schizoaffective disorder, depressed type. Maj M. **J Affective Disord** 1986 Jul-Aug;11(1):63–7
Brief reactive psychosis. Munoz RA, et al. **J Clin Psychiatry** 1987 Aug;48(8):324–7
Capgras' syndrome: the delusion of substitution. Signer SF. **J Clin Psychiatry** 1987 Apr;48(4):147–50
The 2-mg dexamethasone suppression test in differentiating major depression with psychosis from schizophrenia. Clower CG. **J Clin Psychopharmacol** 1986 Dec;6(6):363–5
Cognitive slippage and depression in hypothetically psychosis-prone college students. Allen JJ, et al. **J Nerv Ment Dis** 1987 Jun;175(6):347–53
Demographic, historical, and symptomatic features of the nonmanic psychoses. Coryell W, et al. **J Nerv Ment Dis** 1986 Oct;174(10):585–92
The clinical use of the dexamethasone suppression test in DSM-III affective disorders: correlation with the severe depressive subtypes of melancholia and psychosis. Evans DL, et al. **J Psychiatr Res** 1987;21(2):185–94
Rett syndrome: disintegration not dementia [letter] Stephenson JB, et al. **Lancet** 1987 Mar 28;1(8535):741
Baclofen pseudopsychosis: case report. Roy CW, et al. **Paraplegia** 1986 Oct;24(5):318–21
Dexamethasone suppression test in psychiatric diagnosis and psychopathology for Chinese patients. Hwu HG, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr; 11(2):164–74
Schizophreniform disorder: a diagnostic dilemma. Sanchez EG. **South Med J** 1987 Feb;80(2):223–7 (18 ref.)
[Clinical use of a portable microcomputerized diagnostic system] Zheng YP. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):84–6 (Eng. Abstr.) **(Chi)**
[The concept of passionate psychosis without delusions] Olié JP, et al. **Ann Med Psychol (Paris)** 1986 Jan;144(1):88–94 **(Fre)**
[Empirical French criteria for psychoses. II. Consensus of French psychiatrists and provisional definitions] Pull MC, et al. **Encephale** 1987 Mar-Apr;13(2):53–7 (Eng. Abstr.) **(Fre)**
[Empirical French criteria for psychoses. III. Algorithms and decision tree] Pull MC, et al. **Encephale** 1987 Mar-Apr; 13(2):59–66 (Eng. Abstr.) **(Fre)**
[Experiences with the René Bloch "multidimensional art test"] Gawlik K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr;39(4):234–8 (Eng. Abstr.) **(Ger)**
[Diagnosis of endogenous puerperal psychoses with reference to suicidal and forensic complications] Lammel M. **Z Arztl Fortbild (Jena)** 1986;80(21):893–6 **(Ger)**
[Occurrence of motility psychoses (cycloid psychoses) in childhood] Neumärker KJ. **Z Kinder Jugenpsychiatr** 1987; 15(1):57–67 (Eng. Abstr.) **(Ger)**
[Schizoaffective psychoses] Fiume S, et al. **Minerva Psichiatr** 1986 Oct-Dec;27(4):303–6 (Eng. Abstr.) **(Ita)**
[Schizoaffective psychoses: review of nosographic concepts and longitudinal clinical study] Cabras PL, et al. **Riv Patol Nerv Ment** 1984 Jan-Feb;105(1):27–50 (Eng. Abstr.) **(Ita)**
[Multiaxial diagnosis in psychiatry exemplified by the etio-epigenetic nosographic system] Bilikiewicz A. **Psychiatr Pol** 1987 Jan-Feb;21(1):4–13 **(Pol)**
[Differential diagnosis of the anxiety syndrome] Popov Kh. **Zh Nevropatol Psikhiatr** 1986;86(11):1671–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Zuclopenthixol acetate in Viscoleo—a new drug formulation. An open Nordic multicentre study of zuclopenthixol acetate in Viscoleo in patients with acute psychoses including mania and exacerbation of chronic psychoses. Amdisen A, et al. **Acta Psychiatr Scand** 1987 Jan; 75(1):99–107
Delusional misidentification of the Capgras and intermetamorphosis types responding to clorazepate. A case report. Joseph AB. **Acta Psychiatr Scand** 1987 Mar; 75(3):330–2
An experimental evaluation of the euphoric properties of antiparkinson drugs on psychotic patients. Vågen R, et al.

Acta Psychiatr Scand 1986 Nov;74(5):519–23

Intravenous haloperidol in the treatment of acute psychosis [letter] Carter JG. **Am J Psychiatry** 1986 Oct; 143(10):1316–7

Rapid shifts in therapeutic and extrapyramidal effects of neuroleptics [letter] McEvoy JP. **Am J Psychiatry** 1986 Nov;143(11):1504

Depot neuroleptics for acutely psychotic patients [letter] Turns DM, et al. **Am J Psychiatry** 1987 Aug; 144(8):1099–100

Absence of carbamazepine-induced hyponatremia among patients also given lithium. Vieweg V, et al. **Am J Psychiatry** 1987 Jul;144(7):943–7

Motor activity in depressed patients treated with carbamazepine. Joffe RT, et al. **Biol Psychiatry** 1987 Aug; 22(8):941–6

Early versus late onset psychosis and tardive dyskinesia. Yassa R, et al. **Biol Psychiatry** 1986 Nov;21(13):1291–7

Antipsychotic drugs: current use and future prospects. Livingston M. **Biomed Pharmacother** 1987;41(1):34–6

Pharmacokinetics and therapeutic efficacy of haloperidol decanoate after loading dose administration. De Cuyper H, et al. **Br J Psychiatry** 1986 May;148:560–6

Do Oriental psychiatric patients receive different dosages of psychotropic medication when compared with occidentals. Rosenblat R, et al. **Can J Psychiatry** 1987 May;32(4):270–4

Haloperidol decanoate. A preliminary review of its pharmacodynamic and pharmacokinetic properties and therapeutic use in psychosis. Beresford R, et al. **Drugs** 1987 Jan;33(1):31–49 (71 ref.)

A "new" drug for treating agitation and psychosis in the general hospital: chlorpromazine. Muskin PR, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):404–10

Association between type of medication instruction and patients' knowledge, side effects, and compliance. Brown CS, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):55–60

Depot antipsychotics in practice. Their rôle in schizophrenia and related psychoses. **Int Clin Psychopharmacol** 1986 Jul; 1 Suppl 1:1–78

Susceptibility to drug-induced hypotension in post-partum psychosis. Barnes TR, et al. **Int Clin Psychopharmacol** 1986 Jan;1(1):74–6

Post-partum depression and the effect of nomifensine treatment. Butler J, et al. **Int Clin Psychopharmacol** 1986 Jul;1(3):244–52

Clinical effectiveness of oral and parenteral rapid neuroleptization. Coffman JA, et al. **J Clin Psychiatry** 1987 Jan;48(1):20–4

Medication-induced somnambulism in a patient with schizoaffective disorder. Glassman JN, et al. **J Clin Psychiatry** 1986 Oct;47(10):523–4

Midazolam in acute psychotic patients with hyperarousal. Mendoza R, et al. **J Clin Psychiatry** 1987 Jul;48(7):291–2

The comparative efficacy and safety of carbamazepine versus lithium: a randomized, double-blind 3-year trial in 83 patients. Placidi GF, et al. **J Clin Psychiatry** 1986 Oct; 47(10):490–4

Treatment outcome with clozapine in tardive dyskinesia, neuroleptic sensitivity, and treatment-resistant psychosis. Small JG, et al. **J Clin Psychiatry** 1987 Jul;48(7):263–7

Utility of neuroleptic blood levels in the treatment of acute psychosis. Zohar J, et al. **J Clin Psychiatry** 1986 Dec; 47(12):600–3

Droperidol and acute psychosis [letter] Hooper JF. **J Clin Psychopharmacol** 1987 Jun;7(3):198–9

Possible central effect of dantrolene sodium in neuroleptic malignant syndrome [letter] Yamawaki S, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):378–9

Rapid neuroleptization. McGinnis J, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Oct;24(10):17–22

Effects of bromocriptine on neuroleptic-induced amenorrhea, galactorrhea and impotence. Matsuoka I, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):639–46

Psychotropic medication for elderly patients: use with caution. Ruskin PE, et al. **Md Med J** 1986 Nov; 35(11):939–40

Treatment of akathisia with lorazepam. An open clinical trial. Bartels M, et al. **Pharmacopsychiatry** 1987 Mar;20(2):51–3

Differential effects of a new dibenzo-epine neuroleptic compared with haloperidol. Results of an open and crossover study. Mann K, et al. **Pharmacopsychiatry** 1987 Jul;20(4):155–9

Zuclopenthixol and perphenazine in patients with acute psychotic states. A double-blind multicentre study. Remvig J, et al. **Pharmacopsychiatry** 1987 Jul;20(4):147–54

The use of oral zuclopenthixol in the treatment of functional psychotic illness. Bereen FJ, et al. **Pharmatherapeutica** 1987;5(1):62–8

Acute functional psychoses: treatment with zuclopenthixol dihydrochloride ('Clopixol') tablets. Bhattacharyya SN, et al. **Pharmatherapeutica** 1987;5(1):1–8

Lithium response and the sequence of episode polarities: preliminary report on a Hamilton sample. Grof E, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):199–203

Sequence of affective polarity and lithium response: preliminary report on Munich sample. Haag H, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):205–8

Sodium amytal and psychosocial withdrawal. Goetz KL, et al. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):51–2

Pharmacokinetic and pharmacodynamic factors causing variability in response to neuroleptic drugs. Dahl SG, et al. **Psychopharmacol Ser** 1987;3:266–74

Serum concentrations and clinical effect of zuclopenthixol in acutely disturbed, psychotic patients treated with zuclopenthixol acetate in Viscoleo. Amdisen A, et al. **Psychopharmacology (Berlin)** 1986;90(3):412–6

The time course of neuroleptic therapy for psychosis: role of learning processes and implications for concepts of psychotic illness. Miller R. **Psychopharmacology (Berlin)** 1987;92(4):405–15 (104 ref.)

Carbamazepine in pregnancy [letter] Mueller PS. **Psychosomatics** 1986 Nov;27(11):797–8

Verapamil in acute psychosis [letter] Price WA, et al. **Psychosomatics** 1986 Nov;27(11):797

[Depot neuroleptic agents] Dröes JT. **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2251–5 **(Dut)**

[Zuclopenthixol acetate and haloperidol in acute psychoses. Results of the AMDP subgroup in a multicenter Belgian study] Bourdoux he S, et al. **Acta Psychiatr Belg** 1987 Mar-Apr;87(2):236–44 (Eng. Abstr.) **(Fre)**

[Are the antipsychotic and side-effects of neuroleptics imperfectly known?] Schulz P. **Biomed Pharmacother** 1987; 41(1):31–3 (Eng. Abstr.) **(Fre)**

[Role of carbamazepine in the treatment of endogenous psychoses. Results of an open study] Azorin JM, et al. **Encephale** 1986 May-Jun;12(3):115–9 (Eng. Abstr.) **(Fre)**

[Anticholinergics during neuroleptic treatment. Value and withdrawal] Betermiez P, et al. **Encephale** 1986 Jul-Aug; 12(4):169–74 (Eng. Abstr.) **(Fre)**

[Use of very high doses of haloperidol in the treatment of acute psychotic episodes. Clinical and pharmacokinetic analysis apropos of 15 cases] Petit P, et al. **Encephale** 1987 May-Jun;13(3):127–30 (Eng. Abstr.) **(Fre)**

[Tiapride in the treatment of irreversible tardive dyskinesia--initial experiences] Leblhuber F, et al. **Z Gerontol** 1987 Jan-Feb;20(1):49–51 (Eng. Abstr.) **(Ger)**

[Valproic acid derivatives: toxicity and adverse effects] Kłosiewicz L, et al. **Psychiatr Pol** 1987 Jan-Feb;21(1):57–61 (44 ref.) **(Pol)**

[Evaluation of the efficacy of haloperidol decanoate] Alvarez JV, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Sep; 32(3):233–6 (Eng. Abstr.) **(Spa)**

ECONOMICS

[Costs of psychiatric treatment: a comparative approach to 3 categories of patients] Fischer W, et al. **Soz Praventivmed** 1987;32(3):168–75 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Gasoline sniffing and lead poisoning. Moss MA, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:48–51

Thiamine deficiency and psychosis [letter] Bakhai YD, et al. **Am J Psychiatry** 1987 May;144(5):687–8

Temporal lobe involvement in multiple sclerosis patients with psychiatric disorders. Honer WG, et al. **Arch Neurol** 1987 Feb;44(2):187–90

Forced normalization. Acute psychosis after seizure control in seven patients. Pakalnis A, et al. **Arch Neurol** 1987 Mar; 44(3):289–92

Epilepsy, psychosis, and forced normalization [editorial] Schiffer RB. **Arch Neurol** 1987 Mar;44(3):253

Threatening life events in the onset of schizophrenia, schizophreniform psychosis and hypomania. Chung RK, et al. **Br J Psychiatry** 1986 Jun;148:680–5

Disintegrative psychosis of childhood: teenage follow-up [letter] Fejerman N. **Dev Med Child Neurol** 1986 Dec; 28(6):818–9

Development of psychosis during premature labor. Ticknor CB, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):406–7

Frégoli syndrome after cerebral infarction. de Pauw KW, et al. **J Nerv Ment Dis** 1987 Jul;175(7):433–8

HIV and acute onset of psychosis [letter] Maccario M, et al. **Lancet** 1987 Aug 8;2(8554):342

Psychoses associated with thyrotoxicosis: a retrospective study of twenty cases. Tan Chee Khuan. **Med J Malaysia** 1985 Sep;40(3):247–51

Predisposition to psychological complications after stillbirth: a case report. Condon JT. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):495–7

Nutrition and psychoses. Wunderink A, et al. **Prog Brain Res** 1986;65:49–57

Childhood head trauma and psychosis. Wilcox JA, et al. **Psychiatry Res** 1987 Aug;21(4):303–6

[Myxedema as a cause of psychotic disorders] Carretta R, et al. **G Clin Med** 1986 Apr;67(2):115–6 **(Ita)**

[Acute lymphatic leukemia. Acute psychosis during induction treatment] Restan A, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):253–4 (Eng. Abstr.) **(Nor)**

[Psychiatric symptoms related to the HIV epidemic. 2 case reports with outbreak psychosis] Alexius B. **Lakartidningen** 1986 Nov 12;83(46):3912–5 **(Swe)**

FAMILIAL & GENETIC

Familial rates of affective disorder. A report from the National Institute of Mental Health Collaborative Study. Andreasen NC, et al. **Arch Gen Psychiatry** 1987 May; 44(5):461–9

Birth-cohort changes in manic and depressive disorders in relatives of bipolar and schizoaffective patients. Gershon ES, et al. **Arch Gen Psychiatry** 1987 Apr;44(4):314–9

Primary and secondary affective disorders: unipolar patients compared on familial aggregation. Grove WM, et al. **Compr Psychiatry** 1987 Mar-Apr;28(2):113–26

Validation of criteria for major depression through controlled family study. Gershon ES, et al. **J Affective Disord** 1986 Sep-Oct;11(2):125–31

Intrachromosomal insertion of chromosome 13 in a family with psychosis and mental subnormality. Roberts SH, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):227–32

Delusional psychoses: genetic findings as a critical variable for the validation of diagnostic criteria. Schanda H, et al. **Psychopathology** 1986;19(5):259–66

[Disorders of cognitive function in children and adolescents with acute psychoses and those at risk for schizophrenia] Bunk D, et al. **Prax Kinderpsychol Kinderpsychiatr** 1987 Jan;36(1):8–15 (Eng. Abstr.) **(Ger)**

[Genetic factor in reactive psychoses (concerning their possible hereditary heterogeneity)] Kudriavtsev IA. **Zh Nevropatol Psikhiatr** 1986;86(11):1677–80 (Eng. Abstr.) **(Rus)**

HISTORY

[The classification of endogenous psychoses before Wernicke, Kleist and Leonhard] Donalies C. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:116–21 **(Ger)**

METABOLISM

Diurnal variation of sodium and water metabolism among patients with psychosis, intermittent hyponatremia, and polydipsia (PIP syndrome). Vieweg WV, et al. **Biol Psychiatry** 1987 Feb;22(2):224–7

Pharmacokinetics of haloperidol in psychotic patients. Cheng YF, et al. **Psychopharmacology (Berlin)** 1987;91(4):410–4

MORTALITY

Discriminating characteristics of suicides. Chestnut Lodge follow-up sample including patients with affective disorder, schizophrenia and schizoaffective disorder. Dingman CW, et al. **Acta Psychiatr Scand** 1986 Jul; 74(1):91–7

NURSING

To bedlam and back. Morrow PL, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Sep;24(9):16–20

OCCURRENCE

Epidemiology of cycloid psychosis. A prospective longitudinal study of incidence and risk in the 1947 cohort of the Lundby Study. Lindvall M, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):109–18

The frequency of Capgras delusions in a psychiatric emergency service. Fishbain DA. **Psychopathology** 1987; 20(1):42–7

Psychiatric diagnoses [letter] Weissman MM. **Science** 1987 Jan 30;235(4788):522

[Hemodialysis and mental disorders (schizophrenia in particular). Survey of 7746 patients and 153 hemodialysis units] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):628–35 **(Fre)**

[Effect of place of residence on the prevalence of mental disorders in old age] Krzymiński S. **Psychiatr Pol** 1986 May-Jun;20(3):238–9 **(Pol)**

[Various theoretical questions concerning the pathogenesis of endogenous psychoses as related to population patterns] Bespalʹko IG. **Zh Nevropatol Psikhiatr** 1987;87(4):596–600 (Eng. Abstr.) **(Rus)**

[Methodology of epidemiologic studies of endogenous psychoses] Iskhakov VP. **Zh Nevropatol Psikhiatr** 1986; 86(8):1180–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Opioid peptides at term pregnancy in the early puerperium and in postpartum psychosis. Terenius L, et al. **Adv Biochem Psychopharmacol** 1987;43:201–9

Growth hormone response to apomorphine and family patterns of illness. Sautter F, et al. **Biol Psychiatry** 1987 Jun;22(6):717–24

Alterations in cerebral laterality during acute psychotic illness. Wexler BE. **Br J Psychiatry** 1986 Aug;149:202–9

Post-partum psychoses and the dexamethasone suppression test. Singh B, et al. **J Affective Disord** 1986 Sep-Oct; 11(2):173–7

Primitive reflexes in psychiatry [letter] Keshavan MS, et al. **Lancet** 1987 May 30;1(8544):1264

Models of experience and behavior in psychotic disorders. Heimann H. **Pharmacopsychiatry** 1986 Jul;19(4):128–33

Postpartum mental and physical problems. How common are they? Gjerdingen DK, et al. **Postgrad Med** 1986 Dec; 80(8):133–45 (43 ref.)

The effects of dark adaptation on pursuit tracking dysfunction in psychotics with impaired vestibular suppression. Pivik RT, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987;11(2–3):259–65

The subcortex, frontal lobes, and psychosis [letter] Miller L. **Schizophr Bull** 1986;12(3):340–1

[The electroencephalogram and stereo-electroencephalogram in epileptic and psychotic

patients] Faber J, et al. **Cas Lek Cesk** 1987 May 15; 126(20):631–4 (Eng. Abstr.) **(Cze)**

[Interpretation of the electroencephalogram in psychotics] Faber J, et al. **Cesk Psychiatr** 1987 Apr;83(2):83–91 (Eng. Abstr.) **(Cze)**

[Prostaglandins and endogenous psychoses] Jänicke U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):433–42 (Eng. Abstr.) **(Ger)**

[Neurotransmitters and psychoses: the monamine hypotheses] Felix D. **Schweiz Arch Neurol Psychiatr** 1986;137(5):15–23 **(Ger)**

[Changes in the autonomic homeostasis of patients with endogenous psychoses undergoing combined pathogenetic therapy] Shaposhnikov VS, et al. **Vrach Delo** 1987 Apr; (4):100–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The effectiveness of lithium prophylaxis in bipolar and unipolar depressions and schizo-affective disorders. Bouman TK, et al. **J Affective Disord** 1986 Nov–Dec; 11(3):275–80

Platelet MAO activity and psychosis proneness in college students. Yehuda R, et al. **Psychiatry Res** 1987 Feb; 20(2):129–42

[Prevention of affective and schizoaffective psychoses] Mokrusch T, et al. **Fortschr Med** 1987 Jan 10;105(1):6–8 **(Ger)**

PSYCHOLOGY

The importance of psychotic features to major depression: course and outcome during a 2-year follow-up. Coryell W, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):78–85

Nonspecific psychological distress, psychosocial stressors and delusional psychosis. A comparison with psychiatrically symptom free surgical controls. Jørgensen P, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):190–4

Contacts of suicidal neurotic and prepsychotic/psychotic patients and their significant others with public care institutions before the suicide attempt. Wolk-Wasserman D. **Acta Psychiatr Scand** 1987 Apr;75(4):358–72

Obsessive-compulsive disorder with psychotic features: a phenomenologic analysis. Insel TR, et al. **Am J Psychiatry** 1986 Dec;143(12):1527–33

Extreme haircutting and psychosis [letter] Strawn K, et al. **Am J Psychiatry** 1987 Aug;144(8):1102–3

The daughter as the principal "double" in a Capgras' syndrome: psychodynamic correlates. Fishbain DA, et al. **Am J Psychother** 1986 Oct;40(4):607–11

Comparative studies of thought disorders. II. Schizoaffective disorder. Shenton ME, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):21–30

The association between eye-tracking dysfunctions and thought disorder in psychosis. Solomon CM, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):31–5

Symptom correlates of eye tracking dysfunction. van den Bosch RJ, et al. **Biol Psychiatry** 1987 Jul;22(7):919–21

Capgras syndrome [letter] [published erratum appears in Br J Psychiatry 1986 Oct;149:525] **Br J Psychiatry** 1986 Jun; 148:749–51

Capgras' syndrome with childhood antecedents. Ross DR, et al. **Bull Menninger Clin** 1986 Nov;50(6):570–2

'Mental' in Southie': individual, family, and community responses to psychosis in South Boston. Scheper-Hughes N. **Cult Med Psychiatry** 1987 Mar;11(1):53–78

Features of families with major affective disorders. Stierlin H, et al. **Fam Process** 1986 Sep;25(3):325–36

Use of symptoms by schizophrenics to monitor and regulate their illness. McCandless-Glimcher L, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):929–33

Capgras' syndrome in a myxedema patient. Santiago JM, et al. **Hosp Community Psychiatry** 1987 Feb;38(2):199–201

Prediction of psychoticlike symptoms in hypothetically psychosis-prone college students. Allen JJ, et al. **J Abnorm Psychol** 1987 May;96(2):83–8

Dysfunctional attitudes and attribution style in healthy controls and patients with schizophrenia, psychotic depression, and nonpsychotic depression. Zimmerman M, et al. **J Abnorm Psychol** 1986 Nov;95(4):403–5

Antecedents of adolescent psychoses: a population-based study of school health problems in children who develop psychosis in adolescence. Hellgren L, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):351–5

Virginia Woolf and Leslie Stephen: a father's contribution to psychosis and genius. Bond AH. **J Am Acad Psychoanal** 1986 Oct;14(4):507–24

Internal inconsistency in the Eysenck Psychoticism Scale. Ray JJ, et al. **J Psychol** 1986 Nov;120(6):635–6

Community adjustment among the elderly: psychopharmacological patterns and diagnoses. Hyer L, et al. **Milit Med** 1986 Oct;151(10):514–8

Maternal depression: a concern for pediatricians. Zuckerman BS, et al. **Pediatrics** 1987 Jan;79(1):110–7

Risk of rehospitalization of psychotic patients. A 6-year follow-up investigation using the survival approach. Laesle R, et al. **Psychopathology** 1987;20(1):48–60

[Psychological disorders of students and university results] Ionescu S, et al. **Ann Med Psychol (Paris)** 1987 Feb; 145(2):133–43 (Eng. Abstr.) **(Fre)**

[Psychopathology and maternity] Righetti-Veltema M. **Ann Med Psychol (Paris)** 1986 Nov;144(9):987–1008 (Eng. Abstr.) **(Fre)**

[An attribution psychological approach for explaining productive psychotic symptoms] Olbrich R. **Fortschr Neurol Psychiatr** 1986 Dec;54(12):402–7 (Eng. Abstr.) **(Ger)**

[Empirical studies of sexual behavior of psychotic patients—a review] Strauss B, et al. **Fortschr Neurol Psychiatr** 1986 Aug;54(8):248–58 (Eng. Abstr.) **(Ger)**

[Delusions and the conditions in their development] Reimer F, et al. **Med Klin** 1986 Mar 18;81(6):214–6 **(Ger)**

[Schizophreniform episode in the psychotherapy of a patient with anorexia nervosa] Küchenhoff J. **Nervenarzt** 1986 Sep; 57(9):545–7 **(Ger)**

[Visually controlled space orientation in endogenous psychoses] Lemke S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Jul;38(7):391–8 (Eng. Abstr.) **(Ger)**

[Animal models and human psychosis. Where does dualistic thinking lead us?] Feer H. **Schweiz Arch Neurol Psychiatr** 1986;137(5):171–6 **(Ger)**

[Some considerations on Capgras symptom—especially its pathogenesis and structure] Nishida H. **Seishin Shinkeigaku Zasshi** 1986;88(5):383–405 (Eng. Abstr.) **(Jpn)**

[Psychophysiological measurements in psychotic patients] Karniol IG, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Sep; 32(3):193–202 (Eng. Abstr.) **(Por)**

[Roles, functions and myths in the family group of the psychotic patient] Gallego Lluesma O, et al. **Acta Psiquiatr Psicol Am Lat** 1986 Dec;32(4):313–22 (Eng. Abstr.) **(Spa)**

REHABILITATION

The challenge of chronic mental illness: a retrospective and prospective view. Mechanic D. **Hosp Community Psychiatry** 1986 Sep;37(9):891–6

[A systems approach in social psychiatry: apropos of young psychotics] Lalive J, et al. **Rev Med Suisse Romande** 1986 Dec;106(12):1115–22 **(Fre)**

[A clinical intervention program in a mental hospital] Valencia M, et al. **Salud Publica Mex** 1986 Sep–Oct; 28(5):480–8 (Eng. Abstr.) **(Spa)**

THERAPY

Continuation ECT in the management of relapses of major affective episodes. Decina P, et al. **Acta Psychiatr Scand** 1987 Jun;75(6):559–62

A psychotic recovers: from symbiosis to adulthood. Lassers E. **Am J Psychoanal** 1986 Winter;46(4):350–9

Psychiatric treatment in goal [letter] Ellard J. **Aust NZ J Psychiatry** 1986 Jun;20(2):244

Is psychiatry being harmed by involuntary hospitalization and treatment? Hoffman BF. **Can Med Assoc J** 1987 Jul 1;137(1):17–20

Therapeutic use of sports in psychiatry and clinical psychology. Experiences with a combat-type sport in the treatment of psychiatric patients. Süle F. **J Sports Med Phys Fitness** 1987 Mar;27(1):79–84

Hospitalization of the young. Rationale and criteria. Feinstein SC, et al. **Pediatr Ann** 1986 Dec;15(12):861–5

Intensive hospital treatment of psychotic and borderline patients. **Psychiatr Clin North Am** 1987 Jun;10(2):155–327

Family treatment within a psychodynamic treatment milieu. Bradley SS. **Psychiatr Clin North Am** 1987 Jun; 10(2):289–308

Hospitalization outcome studies. Implications for the treatment of the very ill patient. Cournos F. **Psychiatr Clin North Am** 1987 Jun;10(2):165–76

Long-term psychoanalytic hospital treatment of adolescents. Goodrich W. **Psychiatr Clin North Am** 1987 Jun; 10(2):273–87

Cost-effective tertiary care. Klagsbrun SC, et al. **Psychiatr Clin North Am** 1987 Jun;10(2):207–18

Concurrence of Axis I and Axis II illness in treatment-resistant hospitalized patients. Marcus E, et al. **Psychiatr Clin North Am** 1987 Jun;10(2):177–84

Relationship of illness and intensive hospital treatment to length of stay. Marcus E. **Psychiatr Clin North Am** 1987 Jun;10(2):247–55

Use of a long-term inpatient unit as a site for learning psychotherapy. Rosnick L. **Psychiatr Clin North Am** 1987 Jun;10(2):309–23

[Initial experience in working at the psychiatric intensive care unit at the Psychiatric Clinic in Plzeň] Sedivec V, et al. **Cesk Psychiatr** 1986 Dec;82(6):374–7 (Eng. Abstr.) **(Cze)**

[Psychodynamic milieu therapy. Experience with adults psychotic since childhood] Rosenbaum B, et al. **Ugeskr Laeger** 1987 Feb 23;149(9):619–22 (Eng. Abstr.) **(Dan)**

[Is long-term institutionalization in a general psychiatric hospital always a mistake?] Doorschot CH. **Ned Tijdschr Geneeskd** 1986 Nov 22;130(47):2113–4 **(Dut)**

[The role of a mediator object in the initial analytic therapy of psychotics] Haumonte MT, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):669–73 **(Fre)**

["Continuity". Progress of a team in today's psychiatry] Quartier F. **Ann Med Psychol (Paris)** 1986 Nov; 144(9):931–40 (Eng. Abstr.) **(Fre)**

[Topicality and limits of sector work] Quartier F. **Rev Med Suisse Romande** 1986 Dec;106(12):1089–97 **(Fre)**

[Anesthesiologic problems in electroconvulsive therapy of endogenous psychoses] Schmickaly R, et al. **Anaesthesiol Reanim** 1986;11(4):209–14 (Eng. Abstr.) **(Ger)**

[Electroconvulsive therapy. II. Indications, contraindications and therapeutic technics of electroconvulsive therapy] Sauer H, et al. **Nervenarzt** 1987 Apr;58(4):210–8 **(Ger)**

[Experiences using electroconvulsive therapy in psychoses in childhood] Knitter H. **Padiatr Grenzgeb** 1986; 25(5):449–52 (Eng. Abstr.) **(Ger)**

[Fairy tale drama—an inpatient group psychotherapeutic method for patients with ego disorders] Garde T, et al. **Psychiatr Prax** 1987 Jul;14(4):137–41 (Eng. Abstr.) **(Ger)**

[Fantasy and inertia. A group experience with psychotic patients at a halfway facility] Brandao V, et al. **Minerva Psichiatr** 1986 Jul–Sep;27(3):269–72 (Eng. Abstr.) **(Ita)**

[Acupuncture in the treatment of patients with endogenous depression] Poliakov SE. **Zh Nevropatol Psikhiatr** 1987; 87(4):604–8 (Eng. Abstr.) **(Rus)**

PSYCHOTOMIMETIC AGENTS see **HALLUCINOGENS**

PSYCHOTROPIC DRUGS

see related

PSYCHOPHARMACOLOGY

Occurrence of strabismus in infants born to drug-dependent women. Nelson LB, et al. **Am J Dis Child** 1987 Feb; 141(2):175–8

Self-administration of minaprine in rhesus monkeys. Beardsley PM, et al. **Drug Alcohol Depend** 1987 Mar; 19(2):121–9

The use of psychoactive substances by female Egyptian university students, compared with their male colleagues on selected items. Soueif MI, et al. **Drug Alcohol Depend** 1987 May;19(3):233–47

Psychotropic drug utilization patterns in a metropolitan population. Koenig W, et al. **Eur J Clin Pharmacol** 1987; 32(1):43–51

Psychotropic drug monitoring in general practice in Italy: a two-year study. Bellantuono C, et al. **Fam Pract** 1987 Mar;4(1):41–9

A survey of new users of psychotropic drugs in Australian general practice. Mant A, et al. **Fam Pract** 1987 Mar; 4(1):50–5

Age and first experience with psychoactive drugs. Segal B. **Int J Addict** 1986 Dec;21(12):1285–306

Psychopharmacologic analysis of an alleged oneirogenic plant: Calea zacatechichi. Mayagoitia L, et al. **J Ethnopharmacol** 1986 Dec;18(3):229–43

On central effects of serotonin re-uptake inhibitors: quantitative EEG and psychometric studies with sertraline and zimelidine. Saletu B, et al. **J Neural Transm** 1986; 67(3–4):241–66

Recreational use of psychoactive drugs by patients with cystic fibrosis. Stern RC, et al. **J Pediatr** 1987 Aug; 111(2):293–9

Alcohol and drug use and involvement in automobile accidents. Guastello SJ. **J Psychol** 1987 Jul;121(4):335–40

Involuntary commitment and the right to refuse medication. Oriol MD, et al. **J Psychosoc Nurs Ment Health Serv** 1986 Nov;24(11):15–20

Enkephalin degrading enzyme inhibitors: a physiological way to new analgesics and psychoactive agents. Roques BP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:128–54

Proceedings of the Congress of the AGNP (Society of Neuropsychopharmacology and Pharmacopsychiatry of the German-speaking countries. Nuremberg 1985. **Pharmacopsychiatry** 1986 Jul;19(4):127–348

24th annual meeting of the ACNP (American College of Neuropsychopharmacology) 1985. Maui, Hawaii, December 1985. Abridged proceedings. **Psychopharmacol Bull** 1986;22(3):553–1044

[Youth and psychotropic drugs in Belgium] Casselman J. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):457–62 (Eng. Abstr.) **(Fre)**

[How do young users of psychotropic substances view themselves and their environment? Typologic analysis] Facy F, et al. **Psychiatr Enfant** 1986;29(2):533–57 (Eng. Abstr.) **(Fre)**

[Demonstration of addiction to legal or illegal drugs] Noirfalise A. **Rev Med Liege** 1987 May 15;42(10):485–8 **(Fre)**

[Organization of a clinical information center on psychotropic drugs (letter)] Schulz P, et al. **Therapie** 1986 Sep–Oct;41(5):403–4 **(Fre)**

[Animal experiments on the psychotropic action of a Hypericum extract] Okpanyi SN, et al. **Arzneimittelforschung** 1987 Jan;37(1):10–3 (Eng. Abstr.) **(Ger)**

[beta Phenylethylamine: psychopharmacological and clinical aspects] Nakagawara M. **Yakubutsu Seishin Kodo** 1986 Sep; 6(3):295–307 (205 ref.) (Eng. Abstr.) **(Jpn)**

[Valproic acid derivatives: toxicity and adverse effects] Kłosiewicz L, et al. **Psychiatr Pol** 1987 Jan–Feb;21(1):57–61 (44 ref.) **(Pol)**

ADMINISTRATION & DOSAGE

Treatment strategies for self-injurious behavior in a large service-delivery network. Altmeyer BK, et al. **Am J Ment Defic** 1987 Jan;91(4):333–40

Pharmaco-epidemiology in 136 hospitalized schizophrenic patients. Zito JM, et al. **Am J Psychiatry** 1987 Jun; 144(6):778–82

PRN medication for psychiatric inpatients. Craven JL, et al. **Can J Psychiatry** 1987 Apr;32(3):199–203

Polypharmacy in psychiatry: update and future trends. Rapp MS. **Can J Psychiatry** 1986 Dec;31(9):843–5 (20 ref.)

The use of a drug utilisation index to monitor psychotropic drug use in hospitals. Ghodse AH, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):21–9

P.R.N. medications in child state hospital inpatients. Vitiello B, et al. **J Clin Psychiatry** 1987 Sep;48(9):351–4

Bioequivalence of generic drugs in clinical psychopharmacology. Greenblatt DJ, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):A21–3

Psychotropic drug prescribing in Australia [letter] Farrelly F. **Med J Aust** 1987 Jun 15;146(12):658, 660

Trends in psychotropic drug prescribing in Australia. Mant A, et al. **Med J Aust** 1987 Feb 16;146(4):208–10

Pharmacokinetic mechanisms of ethanol–psychotropic drug interactions. Ciraulo DA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;68:73–88

Use of psychotropic drugs in general medical geriatric inpatients. Relationship with various parameters of psychological distress (evaluated 'in blind'). Magni G, et al. **Neuropsychobiology** 1986;16(4):181–5

Psychotropic drug–users and non–users in general practice. I. A three–year retrospective study from an island community in northern Norway. Tellnes G, et al. **Scand J Prim Health Care** 1986 Sep;4(3):131–5

Psychotropic drug prescribing in general practice. II. A three year retrospective study from an island community in northern Norway. Tellnes G, et al. **Scand J Prim Health Care** 1986 Sep;4(3):137–41

[Current status and problems in the parenteral administration of psychotropic drugs] Uejima K, et al. **Seishin Shinkeigaku Zasshi** 1986;88(11):952–60 **(Jpn)**

ADVERSE EFFECTS

The UKU side effect rating scale. A new comprehensive rating scale for psychotropic drugs and a cross–sectional study of side effects in neuroleptic–treated patients. Lingjaerde O, et al. **Acta Psychiatr Scand [Suppl]** 1987; 334:1–100

Torsades de pointes associated with drugs and toxins: recognition and management. Stratmann HG, et al. **Am Heart J** 1987 Jun;113(6):1470–82

Psychotropic drug withdrawal and the dexamethasone suppression test. Kraus RP, et al. **Am J Psychiatry** 1987 Jan;144(1):82–5

Induction of obesity by psychotropic drugs. Bernstein JG. **Ann NY Acad Sci** 1987;499:203–15 (36 ref.)

Epidemiology of toxic delirium due to psychotropic drugs in psychiatric hospitals. Schmidt LG, et al. **Compr Psychiatry** 1987 May–Jun;28(3):242–9

Drug interactions [letter] Berkowitz HL. **Hosp Community Psychiatry** 1987 Aug;38(8):886–7

Interactions between psychotropic and other drugs: an update [published erratum appears in 1987 Aug;38(8):887] Glassman R, et al. **Hosp Community Psychiatry** 1987 Mar; 38(3):236–42

Susceptibility to drug–induced hypotension in post–partum psychosis. Barnes TR, et al. **Int Clin Psychopharmacol** 1986 Jan;1(1):74–6

Medication–induced somnambulism in a patient with schizoaffective disorder. Glassman JN, et al. **J Clin Psychiatry** 1986 Oct;47(10):523–4

Legal liability with psychotropic drug use: extrapyramidal syndromes and tardive dyskinesia. Mills MJ, et al. **J Clin Psychiatry** 1987 Sep;48 Suppl:28–33

Drug–induced stuttering treated with propranolol [letter] Adler L, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):115–6

View from the Nation's Courts. The physician's duty to warn: Tarasoff expanded. Freishtat HW. **J Clin Psychopharmacol** 1986 Dec;6(6):368–70

Psychotropic drug use and the risk of hip fracture. Ray WA, et al. **N Engl J Med** 1987 Feb 12;316(7):363–9

Switch from depression to mania, or from mania to depression: role of psychotropic drugs. Angst J. **Psychopharmacol Bull** 1987;23(1):66–7

Intra–interrater reliability of SAFTEE using videotape interviews and clinical trial data. Guy W, et al. **Psychopharmacol Bull** 1987;23(1):93–6

Reliability and validity of SAFTEE: preliminar analyses. Guy W, et al. **Psychopharmacol Bull** 1986;22(2):397–401

Interrater agreement and reliability measures of SAFTEE: general inquiry vs. systematic inquiry. Jacobson AF, et al. **Psychopharmacol Bull** 1987;23(1):97–101

Interrater agreement and intraclass reliability measures of SAFTEE in psychopharmacologic clinical trials. Jacobson AF, et al. **Psychopharmacol Bull** 1986;22(2):382–8

Side effects data analysis. Lavori PW. **Psychopharmacol Bull** 1986;22(2):402–4

SAFTEE: a technique for the systematic assessment of side effects in clinical trials. Levine J, et al. **Psychopharmacol Bull** 1986;22(2):343–81

Side effect assessment with SAFTEE: pilot study of the instrument. Rabkin JG, et al. **Psychopharmacol Bull** 1986; 22(2):389–96

[Drug–induced obesity] Breum L. **Nord Med** 1986; 101(12):333–4 **(Dan)**

[Respiratory complications of drugs used in neurology and psychiatry] Rostin M, et al. **Therapie** 1986 Jul–Aug; 41(4):263–7 (61 ref.) (Eng. Abstr.) **(Fre)**

[Alcohol, drugs and traffic laws. 2: Studies of the assessment of significant disability in automobile driving fitness caused by psychotropic drugs or alcohol and psychotropic drug combinations] Eulitz J, et al. **Z Arztl Fortbild (Jena)** 1986; 80(19):823–6 **(Ger)**

[Studies on the pathological feature of the psychotropic drug–induced finger tremor] Kawahara S, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):160–6 (Eng. Abstr.) **(Jpn)**

[Porphyria—a pharmacogenetic disease] Kostrzewska E, et al. **Wiad Lek** 1986 Dec 15;39(24):1713–7 (Eng. Abstr.) **(Pol)**

ANALYSIS

Determination of 1–(4–methoxybenzoyl)–5–oxo–2–pyrrolidinepropanoic acid, a potential nootropic agent, in human plasma and urine by reversed–phase high–performance liquid chromatography. Black AE, et al. **J Chromatogr** 1986 Oct 31;382:361–6

BLOOD

[Pharmacokinetics and the clinical effect of bemitil after a single administration] Boĭko SS, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):17–20 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Derivatives of 1–(1,3–benzodioxol–5–yl)–2–butanamine: representatives of a novel therapeutic class. Nichols DE, et al. **J Med Chem** 1986 Oct;29(10):2009–15

Discovery of novel psychoactive drugs: has it ended? Nichols DE. **J Psychoactive Drugs** 1987 Jan–Mar;19(1):33–7

[Quinone–amine reactions. 20. 1,4–Naphthoquinone derivatives as psychopharmaceutic agents with secondary amine structure] Kallmayer HJ, et al. **Arch Pharm (Weinheim)** 1986 Jul;319(7):607–15 (Eng. Abstr.) **(Ger)**

METABOLISM

Psychotropic therapy: special concerns in the elderly. Rubin EH. **Hosp Pract [Off]** 1986 Oct 15;21(10):95–8, 100–2, 105

Interaction of psychotropic drugs with brain muscarinic cholinoceptors: similarities of biperiden with pirenzepine in receptor binding properties. Syvälahti EK, et al. **Pharmacol Toxicol** 1987 Jan;60(1):66–9

PHARMACODYNAMICS

Evaluation of antinociceptive, reinforcing and aversive properties of psychotropic agents and analgesics in animals: models for prediction of their analgesic activity and dependence liability. Hoffmeister F. **Acta Neurochir [Suppl] (Wien)** 1987;38:50–63 (21 ref.)

Research on the effects of psychodrugs on human interaction. A theoretical/experimental approach. De Giacomo P, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):417–24

Multiple signals in synaptic transmission: impact on the strategies for the development of a new generation of centrally active drugs. Costa E. **Adv Biochem Psychopharmacol** 1987;43:35–49

Psychopharmacological profile of the new cognition enhancing agent exifone in the mouse. Porsolt RD, et al. **Arzneimittelforschung** 1987 Apr;37(4):388–93

On the role of O–methylation in the metabolism of S–adenosylmethionine in rat brain. Waldmeier PC, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2855–61

Variations in serum vanadium levels during the treatment of mental depression. Conri C, et al. **Biol Psychiatry** 1986 Nov;21(13):1335–9

The effects of psychotropic drugs on synthesis of DNA and the infectivity of herpes simplex virus. Patou G, et al. **Biol Psychiatry** 1986 Oct;21(12):1221–5

Inhibition of [14C]aminopyrine uptake in rat isolated gastric mucosal cells by two classes of psychotropic agents. Nielsen ST, et al. **Digestion** 1987;36(3):125–31

Alterations in cerebral glutamic acid decarboxylase and 3H–flunitrazepam binding during continuous treatment of rats for up to 1 year with haloperidol, sulpiride or clozapine. Rupniak NM, et al. **J Neural Transm** 1987; 68(1–2):113–25

Effects of alcohol and other psychotropic drugs on eye movements: relevance to traffic safety. Stapleton JM, et al. **J Stud Alcohol** 1986 Sep;47(5):426–32

Effects of centrally acting drugs on the frontal midline theta activity in man. Mizuki Y, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):647–53

Problems of pharmacodynamic measurement related to psychoactive drug interactions in humans. Frecker RC. **Natl Inst Drug Abuse Res Monogr Ser** 1986;68:65–72

Drug combinations in pleasure and pain. Kornetsky C. **Natl Inst Drug Abuse Res Monogr Ser** 1986;68:181–92

Influence of antipsychotics on presynaptic receptors modulating the release of dopamine in synaptosomes of the nucleus accumbens of rats. Hetey L, et al. **Neuropharmacology** 1986 Oct;25(10):1103–9

'Fingerprints' of central stimulatory drug effects by means of quantitative radioelectroencephalography in the rat (telc–stereo–EEG). Dimpfel W, et al. **Neuropsychobiology** 1986;15(2):101–8

Use of endogenous event–related potentials (ERP) in the evaluation of psychotropic substances: towards an ERP profile of drug effects. Münte TF, et al. **Neuropsychobiology** 1986;16(2–3):135–45 (74 ref.)

Clinical pharmacology in psychiatry. Selectivity in Psychotropic drug action—promises or problems? Fourth International Meeting on Clinical Pharmacology in Psychiatry. Bethesda, Maryland, 5–8 September 1985. Proceedings. **Psychopharmacol Ser** 1987;3:1–290

The use of a plus–maze to measure anxiety in the mouse. Lister RG. **Psychopharmacology (Berlin)** 1987;92(2):180–5

Drug discrimination procedures: differential characteristics of the drug A vs drug B and the drug A vs drug B vs no drug cases. Swedberg MD, et al. **Psychopharmacology (Berlin)** 1986;90(3):341–6

Effects of fluprazine (DU27716) and ethanol on target biting behavior and intruder–evoked attacks. Wagner GC, et al. **Psychopharmacology (Berlin)** 1987;91(2):193–7

Psychotropic effects of adrenergic beta–blockers on agonistic behavior between resident and intruder mice. Yoshimura H, et al. **Psychopharmacology (Berlin)** 1987;91(4):445–50

Direct binding assays in determining psychotropic drug mechanism of action. Whitaker PM, et al. **Rev Pure Appl Pharmacol Sci** 1983 Jul–Sep;4(3):271–338 (164 ref.)

[Effects of 4 psychotropic drugs and 4 central neurotransmitters on lipid peroxidation in the human erythrocyte membrane] Song TS, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):308–11 (Eng. Abstr.) **(Chi)**

[Vacuous chewing after haloperidol and GABA–linoleamide administration in the rat] Vamvakidès A. **Agressologie** 1986 Nov;27(10):819–21 (Eng. Abstr.) **(Fre)**

[Effect of GABA–linoleamide and glycine–linoleamide on catalepsy in the rat after chronic administration of reserpine] Vamvakidès A. **Agressologie** 1986 Nov; 27(10):835–7 (Eng. Abstr.) **(Fre)**

[Effects of GABA–ergic and glycinergic agents on pentamethylenetetrazole–induced convulsions in rats submitted to repeated injections of reserpine] Vamvakidès A. **Agressologie** 1986 Sep;27(8):673–5 (Eng. Abstr.) **(Fre)**

[Clinical analysis of the effect of psychotropic agents by a quantitative study of free association and experimental dream arousal] Bénichou J. **Ann Med Psychol (Paris)** 1986 Apr;144(4):436–41 **(Fre)**

[Has arsenic some psychotropic effects? (letter)] Dally S. **Presse Med** 1987 Mar 14;16(9):451 **(Fre)**

[Evaluation of the activity of vindeburnol by spectral analysis of human EEG] Patat A, et al. **Therapie** 1986 Jul–Aug; 41(4):305–10 (Eng. Abstr.) **(Fre)**

[Dynamic light–evoked pupillometry for the differentiation of psychotropic substances] Grünberger J, et al. **Arzneimittelforschung** 1987 Mar;37(3):357–60 (Eng. Abstr.) **(Ger)**

[Psychopharmaceutics and motor behavior] Faust V. **Med Monatsschr Pharm** 1986 Oct;9(10):301–6 **(Ger)**

[Quantitative EEG analysis of a single dose of psychotropic drugs in healthy probands] Fischer W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):450–5 (Eng. Abstr.) **(Ger)**

[Measuring reaction times in healthy probands before and following a single dose of psychotropic drugs] Fischer W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):616–8 (Eng. Abstr.) **(Ger)**

[Mechanism of action of various psychotropic agents on serotonin receptors and the transmembrane signal control] Mikuni M. **Hokkaido Igaku Zasshi** 1987 May;62(3):417–29 (Eng. Abstr.) **(Jpn)**

[Behavioral pharmacological investigation and clinical consideration of the inhibitory potencies of psychotropic drugs against the D–1 and D–2 dopamine receptors] Kazawa T. **Yakubutsu Seishin Kodo** 1986 Sep;6(3):327–37 (Eng. Abstr.) **(Jpn)**

[New aspects of the neurophysiological mechanism of the action of nootropic preparations] Voronina TA, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):721–4 (Eng. Abstr.) **(Rus)**

[General patterns in the action of psychotropic agents] Karkishchenko NN. **Farmakol Toksikol** 1986 Sep–Oct; 49(5):45–50 (15 ref.) (Eng. Abstr.) **(Rus)**

[Effect of psychotropic substances and gamma–aminobutyric acid analogs and derivatives on the release of 3H–D–aspartic acid from perfused synaptosomes of the rat cerebral cortex] Prikhozhan AV, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):10–4 (Eng. Abstr.) **(Rus)**

[Characteristics of the psychotropic effects of N–crown ether derivatives] Timofeeva SE, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):13–5 (Eng. Abstr.) **(Rus)**

[Pharmacological effects of combinations of psychotropic preparations used in combined pharmacotherapy] Zimakova IE, et al. **Farmakol Toksikol** 1987 Jan–Feb; 50(1):8–10 (Eng. Abstr.) **(Rus)**

[Neurophysiological analysis of the mechanism of action of nootropic preparations] Voronina TA, et al. **Vestn Akad Med Nauk SSSR** 1987;(2):17–27 (Eng. Abstr.) **(Rus)**

[Effect of drugs of the nootropic class on rat behavior after deprivation of the paradoxical stage of sleep] Markina NV, et al. **Zh Vysh Nerv Deiat** 1986 Sep–Oct;36(5):963–7 (Eng. Abstr.) **(Rus)**

[Personality integration of the psychotropic effect of drugs: relation to models of narcoanalysis and conditioning experiments] Molčan J, et al. **Cesk Psychiatr** 1986 Dec; 82(6):361–3 (Eng. Abstr.) **(Slo)**

POISONING

Monitoring changing patterns of drug dependence in accident and emergency departments. Ghodse AH, et al. **Drug Alcohol Depend** 1987 May;19(3):265–9

[Acute and chronic toxicity of psychotropic drugs] Bickel MH. **Schweiz Arch Neurol Psychiatr** 1986;137(5):106–9 (Eng. Abstr.) **(Ger)**

[Attempted suicide in children] Prusek W, et al. **Pediatr Pol** 1987 Jan;62(1):37–40 (Eng. Abstr.) **(Pol)**

[Changes in immunity in acute poisoning with psychotropic preparations] Ananchenko VG, et al. **Klin Med (Mosk)** 1986 Sep;64(9):111–4 (Eng. Abstr.) **(Rus)**

[Therapy of acute intentional poisoning in psychotic patients] Knežević A, et al. **Med Pregl** 1986;39(3–4):175–6 (Eng. Abstr.) **(Ser)**

SUPPLY & DISTRIBUTION

Pharmaceutical preparations of psychotropic drugs: the role of WHO. Kalix P, et al. **WHO Chron** 1986;40(4):149–51

THERAPEUTIC USE

Effects of the Jamison–Farabee consent decree: due process protection for involuntary psychiatric patients treated with psychoactive medication. Hargreaves WA, et al. **Am J Psychiatry** 1987 Feb;144(2):188–92

Informed consent for neuroleptics and other psychotropic agents [letter] Pinta ER, et al. **Am J Psychiatry** 1987 Sep; 144(9):1244–5

Psychotropic drugs. Loudon JB. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):167–9

Pharmacological treatment for borderline personality disorder. Berger PA. **Bull Menninger Clin** 1987 May; 51(3):277–84

Some psychodynamics of non–compliance. Book HE. **Can J Psychiatry** 1987 Mar;32(2):115–7

Prevalence of psychoactive medication in children and adolescents [published erratum appears in Can J Psychiatry 1986 Dec;31(9):874] Quinn DM. **Can J Psychiatry** 1986 Aug;31(6):575–80

Treatment of dyspnea with psychotropic agents [editorial] Rice KL. **Chest** 1986 Dec;90(6):789–90

Cognitive improvement in clinical trials with nootropic drugs: when can it be expected and how to clarify its meaning. Gainotti G, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S65–9

Effects of rationalizing drug treatment of patients with epilepsy and mental retardation. Beghi E, et al. **Dev Med Child Neurol** 1987 Jun;29(3):363–9

Exploring psychiatric prescribing practices: the relationship between the role of the provider and the appropriateness of prescribing. Seaman JJ, et al. **Gen Hosp Psychiatry** 1987 May;9(3):220–4

Effect of treatment setting on social workers' knowledge of psychotropic drugs. Berg WE, et al. **Health Soc Work** 1987 Spring;12(2):144–52

Computer–based monitoring of clinical care in a public psychiatric hospital unit. Overall JE, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):381–6

Using a drug audit program to reduce polypharmacy in a state psychiatric hospital. Wells BG, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1262–5

Longitudinal assessment of psychotropic drug use in acutely–ill psychiatric inpatients. Schmidt LG, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 May;25(5):244–50

Medical management of the depressed alcoholic patient. Preskorn SH, et al. **Int J Psychiatry Med** 1987;17(2):117–31

Psychopharmacology of self–injurious behavior in the mentally retarded. Farber JM. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):296–302

Behavior analysis of pharmacological and contingency management interventions for self–injury. Luiselli JK. **J Behav Ther Exp Psychiatry** 1986 Dec;17(4):275–84

Stress inoculation therapy with anxiety and stress disorders of acute psychiatric inpatients. Holcomb WR. **J Clin Psychol** 1986 Nov;42(6):864–72

Psychotrope and alcohol use by women: one or two populations? Pihl RO, et al. **J Clin Psychol** 1986 Nov; 42(6):991–9

The effect of neuroleptics and other psychotropic drugs on negative symptoms in schizophrenia. Meltzer HY, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):329–38

Tiaspirone in schizophrenia. Moore NC, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):98–101

Herpes and clinical psychopharmacology [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):65

Overview of pharmacotherapy: current status and future directions. Aman MG. **J Ment Defic Res** 1987 Jun;31 (Pt 2):121–30

A critical appraisal of recent drug research in mental retardation: the Coldwater studies. Aman MG, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):203–16

Treatment of mental disorders in pregnancy. A review of psychotropic drug risks and benefits. Kerns LL. **J Nerv Ment Dis** 1986 Nov;174(11):652–9 (90 ref.)

Evaluation of studies on platelet alpha 2 adrenoreceptors in depressive illness. Piletz JE, et al. **Life Sci** 1986 Nov 3; 39(18):1589–616

Psychotropic medication for elderly patients: use with caution. Ruskin PE, et al. **Md Med J** 1986 Nov; 35(11):939–40

Differences between female and male children in the receipt of prescribed psychotropic and controlled–analgesic drugs. A five–year epidemiologic study. Ray WA, et al. **Med Care** 1986 Sep;24(9):801–13

Drugs for psychiatric disorders. **Med Lett Drugs Ther** 1986 Oct 24;28(725):99–106

Community adjustment among the elderly: psychopharmacological patterns and diagnoses. Hyer L, et al. **Milit Med** 1986 Oct;151(10):514–8

Effect of psychotropic medications on seizure control in patients with epilepsy. Ojemann LM, et al. **Neurology** 1987 Sep;37(9):1525–7

Drug therapy for anxiety. Muñoz RA. **New Dir Ment Health Serv** 1986 Winter;(32):99–106 (20 ref.)

Comparison of psychotropic drug intake in two populations in West Germany. Results from the Munich Blood Pressure Study 1980/81 and the Luebeck Blood Pressure Study 1984. Koenig W, et al. **Pharmacopsychiatry** 1987 May; 20(3):111–5

Pharmacologic treatments of cocaine abuse. Gawin F, et al. **Psychiatr Clin North Am** 1986 Sep;9(3):573–83 (53 ref.)

Pharmacologic management of aggressivity and self–mutilation in the mentally retarded. Lapierre YD, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):745–54 (91 ref.)

Drug treatment of obsessive–compulsive disorder: a review of findings in the light of diagnostic and metric limitations. Towbin KE, et al. **Psychiatr Dev** 1987 Spring;5(1):25–50

Planning psychiatric treatment and rehabilitation for the long–term patient. Nguyen SD, et al. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):9–15

Antipanic drug effects during lactate infusion in lactate–refractory panic patients. Gorman JM, et al. **Psychiatry Res** 1987 Jul;21(3):205–12

Psychotropic drug use in Italy: national trends and regional differences. Williams P, et al. **Psychol Med** 1986 Nov; 16(4):841–50

Recent developments in the understanding and pharmacotherapy of panic attacks. Liebowitz MR, et al. **Psychopharmacol Bull** 1986;22(3):792–6

Epidemiologic and clinical findings of significance to the design of neuropharmacologic studies of obsessive–compulsive disorder. Rasmussen SA, et al. **Psychopharmacol Bull** 1986;22(3):723–9

Use of psychotropics in cancer patients. Goldberg RJ, et al. **Psychosomatics** 1986 Oct;27(10):687–92, 697–700 (66 ref.)

Behavioural and drug treatments of phobic and obsessive–compulsive disorders. Marks I. **Psychother Psychosom** 1986;46(1–2):35–44

Treatment of mental problems in general practice. A one year prospective study from an island community in northern Norway. Tellnes G, et al. **Scand J Soc Med** 1987; 15(3):131–7

The context of menopause: psychotropic drug use and menopausal status. Kaufert PA, et al. **Soc Sci Med** 1986; 23(8):747–55

Quality of care for psychotropic drug use in internal medicine group practices. Wells KB, et al. **West J Med** 1986 Nov; 145(5):710–4

[Treatment of duodenal ulcer with psychotropic agents to prevent relapse] Skuia NA, et al. **Vutr Boles** 1986;25(5):31–3 **(Bul)**

[The AMDP scales in a phase II evaluation of psychotropic drugs] Digonnet C, et al. **Acta Psychiatr Belg** 1987 Mar–Apr;87(2):245–52 (Eng. Abstr.) **(Fre)**

[Anxiolytic efficacy and tolerance of tetrabamate in anxious patients abusing alcohol. Multicenter double–blind versus placebo study] Lôo H, et al. **Encephale** 1986 Sep–Oct; 12(5):291–7 (Eng. Abstr.) **(Fre)**

[The use of psychotropic drugs in elderly patients] Gilles C. **Rev Med Brux** 1987 Feb;8(2):77–84 (Eng. Abstr.) **(Fre)**

[Use of psychotropic drugs in a residential milieu for the elderly: impact of a vitalization program] Durand PJ, et al. **Rev Med Suisse Romande** 1987 Mar;107(3):199–205 **(Fre)**

[The test of serum GGT decrease after alcoholic withdrawal. Study in 221 patients treated with Atrium (letter)] Latrive JP, et al. **Therapie** 1987 Mar–Apr;42(2):246–7 **(Fre)**

[Prevention of affective and schizoaffective psychoses] Mokrusch T, et al. **Fortschr Med** 1987 Jan 10;105(1):6–8 **(Ger)**

[Results of drug screening of patients admitted to a university psychiatric clinic] Ahrens S, et al. **Nervenarzt** 1986 Sep; 57(9):532–7 **(Ger)**

[Current information on benzodiazepine–GABA–receptor complexes—perspectives on the development of highly specific neuropsychotropic drugs] Langnickel R, et al. **Pharmazie** 1986 Oct;41(10):689–94 (134 ref.) **(Ger)**

[Effect of psychotropic drugs on information processing] Fisch HU. **Schweiz Arch Neurol Psychiatr** 1986; 137(5):111–20 (Eng. Abstr.) **(Ger)**

[The value of clinical studies] Woggon B. **Schweiz Arch Neurol Psychiatr** 1986;137(5):135–41 (Eng. Abstr.) **(Ger)**

[Perspectives of psychiatric pharmacotherapy] Hippius H. **Wien Klin Wochenschr [Suppl]** 1986;170:7–10 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic effects of psychotropic drugs: principle considerations from the psychobiologic viewpoint] Langer G. **Wien Med Wochenschr** 1986 Oct 31;136(19–20):491–7 (Eng. Abstr.) **(Ger)**

[Water intoxication in mental patients (study of the effects of psychotropic drugs and smoking)] Radó J, et al. **Orv Hetil** 1986 Dec 7;127(49):2993–9 (Eng. Abstr.) **(Hun)**

[Hyperkinetic syndrome in childhood. Diagnostic and psychopharmaceutical treatment] Hundevadt L. **Tidsskr Nor Laegeforen** 1986 Sep 10;106(25):2023–6 (Eng. Abstr.) **(Nor)**

[Dissociation of the anti–amnesic and antihypoxic effects of nootropic and antihypoxic preparations] Voronina TA, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):21–4 (Eng. Abstr.) **(Rus)**

[Clinico–hemodynamic effects of psychotropic preparations and psychosomatic correlations in cardiac rhythm disorders] Petrova TR, et al. **Ter Arkh** 1986;58(11):97–101 (Eng. Abstr.) **(Rus)**

[Treatment of nonpsychotic states of decompensation among oligophrenic patients including deviant forms of behavior] Golodets RG, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):413–7 (Eng. Abstr.) **(Rus)**

URINE

Drug testing: if the cup runneth over [letter] Schorin MJ. **Hastings Cent Rep** 1987 Apr;17(2):46

Screening: urine drug tests. Canavan DI. **Md Med J** 1987 Mar;36(3):229–33

PSYLLIUM

ADMINISTRATION & DOSAGE

Optimum dosage of ispaghula husk in patients with irritable bowel syndrome: correlation of symptom relief with whole gut transit time and stool weight. Kumar A, et al. **Gut** 1987 Feb;28(2):150–5

The influence of ispaghula husk and lactulose on the in vivo and the in vitro production capacity of short–chain fatty acids in humans. Rasmussen HS, et al. **Scand J Gastroenterol** 1987 May;22(4):406–10

ADVERSE EFFECTS

Occupational asthma and IgE sensitization in a pharmaceutical company processing psyllium. Bardy JD, et al. **Am Rev Respir Dis** 1987 May;135(5):1033–8

Occupational asthma in nurses handling psyllium. Cartier A, et al. **Clin Allergy** 1987 Jan;17(1):1–6

Allergic events among health care workers exposed to psyllium laxatives in the workplace. Nelson WL. **J Occup Med** 1987 Jun;29(6):497–9

PHARMACODYNAMICS

Intestinal structural changes in African green monkeys after long term psyllium or cellulose feeding. Paulini I, et al. **J Nutr** 1987 Feb;117(2):253–66

[Abnormal effect of nitrosation inhibitors in human gastric juice] Ermilov VB, et al. **Vopr Onkol** 1986;32(10):58–64 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comparative laxation of psyllium with and without senna in an ambulatory constipated population. Marlett JA, et al. **Am J Gastroenterol** 1987 Apr;82(4):333–7

A general practice study of the efficacy of Regulan in functional constipation. Fenn GC, et al. **Br J Clin Pract** 1986 May;40(5):192–7

Influence of wheat bran and of a bulk–forming ispaghula cathartic on the bioavailability of digoxin in geriatric in–patients. Nordström M, et al. **Drug Nutr Interact** 1987; 5(2):67–9

Reduction of DMH–induced colon tumors in rats fed psyllium husk or cellulose. Roberts–Andersen J, et al. **Nutr Cancer** 1987;10(3):129–36

[Controlled study on the effects of 2 different therapeutic approaches in the treatment of chronic constipation] Borgia M, et al. **Clin Ter** 1986 Aug 15;118(3):165–70 (Eng. Abstr.) **(Ita)**

PTA DEFICIENCY see **FACTOR XI DEFICIENCY**

PTC see **FACTOR IX**

PTERIDINES

2,4–Diamino–6–pteridinecarboxaldehyde and an azobenzene derivative are produced by UV photodegradation of methotrexate. Chahidi C, et al. **Photochem Photobiol** 1986 Aug;44(2):231–3

ANALYSIS

Unconjugated pteridines in amniotic fluid during gestation. Dhondt JL, et al. **Clin Chim Acta** 1986 Dec 30; 161(3):269–73

BIOSYNTHESIS

Pteridines are produced during interleukin 2-induced T-cell proliferation and modulate transmission of this signal. Ziegler I, et al. **Exp Cell Res** 1986 Dec;167(2):531-8

Involvement of chlA, E, M, and N loci in Escherichia coli molybdopterin biosynthesis. Johnson ME, et al. **J Bacteriol** 1987 Jan;169(1):117-25

In vitro system for molybdopterin biosynthesis. Johnson ME, et al. **J Bacteriol** 1987 Jan;169(1):110-6

BLOOD

Evaluation of pteridines in patients with different tumors. Zeitler HJ, et al. **Cancer Detect Prev** 1987;10(1-2):71-9

DEFICIENCY

Biochemical and genetic comparison of two nitrate reductase-deficient pea mutants disturbed in the cofactor. Jacobsen E, et al. **Biochem Genet** 1987 Feb;25(1-2):143-51

Combined xanthine and sulphite oxidase defect due to a deficiency of molybdenum cofactor. Roesel RA, et al. **J Inherited Metab Dis** 1986;9(4):343-7

METABOLISM

Biosynthesis of riboflavin. Enzymatic formation of 6,7-dimethyl-8-ribityllumazine by heavy riboflavin synthase from Bacillus subtilis. Neuberger G, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1111-6

Phorbol ester causes short term and transient accumulation of pteridines in T cells and in cell lines. Seidl J, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):494-501

Spectroscopic investigations of the single tryptophan residue and of riboflavin and 7-oxolumazine bound to lumazine apoprotein from Photobacterium leiognathi. Kulinski T, et al. **Biochemistry** 1987 Jan 27;26(2):540-9

Involvement of a protein with molybdenum cofactor in the in vitro activation of nitrate reductase from a chlA mutant of Escherichia coli K12. Giordano G, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):220-32

Cloning, expression and sequencing the molybdenum-pterin binding protein (mop) gene of Clostridium pasteurianum in Escherichia coli. Hinton SM, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9371-80

Pteridines and mono-amines: relevance to neurological damage. Smith I, et al. **Postgrad Med J** 1986 Feb; 62(724):113-23 (61 ref.)

[Combined sulfite and xanthine oxidase deficiency due to an anomaly in the metabolism of molybdenum cofactor] Lagier P, et al. **Ann Pediatr (Paris)** 1986 Nov;33(9):825-8 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Liposome-mediated delivery of pteridine antifolates to cells in vitro: potency of methotrexate, and its alpha and gamma substituents. Heath TD, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):72-80

Effects of pteridines on the filopodia of Dictyostelium discoideum vegetative amoebae. Rifkin JL, et al. **Cell Motil Cytoskeleton** 1986;6(5):479-84

[Vibrio and aeromonad sensitivity to the vibriostatic O 129] Khaltovich AB, et al. **Antibiot Med Biotekhnol** 1987 Jun; 32(6):446-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Molybdenum-sensitive transcriptional regulation of the chlD locus of Escherichia coli. Miller JB, et al. **J Bacteriol** 1987 May;169(5):1853-60

URINE

Guanosine triphosphate cyclohydrolase I deficiency: early diagnosis by routine urine pteridine screening. Naylor EW, et al. **Pediatrics** 1987 Mar;79(3):374-8

Altered urinary excretion of pteridines in dogs with various tumours. Goldberg M, et al. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):481-6

PTERINS

ANALYSIS

Structural elements of bactopterin from Pseudomonas carboxydoflava carbon monoxide dehydrogenase. Krüger B, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):357-64

Isomerization of 6-lactoyl tetrahydropterin by sepiapterin reductase. Katoh S, et al. **J Biochem (Tokyo)** 1987 Jan; 101(1):275-8

BIOSYNTHESIS

Interferon-gamma enhances biosynthesis of pterins in peripheral blood mononuclear cells by induction of GTP-cyclohydrolase I activity. Schoedon G, et al. **J Interferon Res** 1986 Dec;6(6):697-703

CEREBROSPINAL FLUID

Estimation of tetrahydrobiopterin and other pterins in cerebrospinal fluid using reversed-phase high-performance liquid chromatography with electrochemical and fluorescence detection. Howells DW, et al. **J Chromatogr** 1986 Sep 5;381(2):285-94

METABOLISM

On the substrate specificity of bovine liver dihydrofolate reductase: new unconjugated dihydropterin substrates. Smith GK, et al. **Arch Biochem Biophys** 1987 May 1; 254(2):416-20

Pigment cell differentiation: the relationship between pterin content, allopurinol treatment, and the melanoid gene in axolotls. Thorsteinsdottir S, et al. **Cell Differ** 1986 Oct; 19(3):161-72

Stereoselective effects in the interactions of pterin cofactors with rat-liver phenylalanine 4-monooxygenase. Haavik J, et al. **Eur J Biochem** 1986 Oct 1;160(1):1-8

Autotrophic synthesis of activated acetic acid from CO2 in Methanobacterium thermoautotrophicum. Synthesis from tetrahydromethanopterin-bound C1 units and carbon monoxide. Länge S, et al. **Eur J Biochem** 1987 Feb 16; 163(1):147-54

Biosynthesis and metabolism of pterins in peripheral blood mononuclear cells and leukemia lines of man and mouse. Schoedon G, et al. **Eur J Biochem** 1987 Jul 15;166(2):303-10

Entrance of tetrahydropterin derivatives in brain after peripheral administration: effect on biogenic amine metabolism. Levine RA, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):514-22

PHARMACODYNAMICS

Biochemical and behavioural indices of striatal dopaminergic activity after 6-methyltetrahydropterin. Olgiati VR, et al. **Pharmacol Res Commun** 1987 Mar;19(3):231-40

PTEROYL POLYGLUTAMATE HYDROLASE see under **CARBOXYPEPTIDASES**

PTEROYLGLUTAMIC ACID see **FOLIC ACID**

PTEROYLPOLYGLUTAMIC ACIDS see under **FOLIC ACID**

PTERYGIUM

[Multiple pterygium syndrome] Anichini C, et al. **Pediatr Med Chir** 1986 Nov-Dec;8(6):881-4 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Lethal multiple pterygium syndrome: report of a new case with hydranencephaly. Mbakop A, et al. **Am J Med Genet** 1986 Nov;25(3):575-9

Progressive form of multiple pterygium syndrome in association with nemalin-myopathy: report of a female followed for twelve years. Papadia F, et al. **Am J Med Genet** 1987 Jan;26(1):73-83

A form of variable astigmatism induced by pseudopterygium. Gridley MJ, et al. **Ophthalmic Surg** 1986 Dec;17(12):794-5

CONGENITAL

Primary epitarsus: a case report. Khurana AK, et al. **Br J Ophthalmol** 1986 Dec;70(12):931-2

DIAGNOSIS

[Giant progressive pterygium] Bryk E. **Klin Oczna** 1986 Dec; 88(12):438-9 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Multiple pterygium syndrome: a case complicated by malignant hyperthermia. Robinson LK, et al. **Clin Genet** 1987 Jul;32(1):5-9

METABOLISM

Glycosaminoglycans in pterygium tissues and normal conjunctiva. Kaneko M, et al. **Jpn J Ophthalmol** 1986; 30(2):165-73

MICROBIOLOGY

[Is pterygium a reservoir of germs? (letter)] Solares-Zamora J, et al. **J Fr Ophtalmol** 1987;10(2):185-6 **(Fre)**

OCCURRENCE

Pterygium in Lima, Peru. Rojas JR, et al. **Ann Ophthalmol** 1986 Apr;18(4):147-9

PATHOLOGY

[Morphological study on the pathogenesis of pterygium] Kadota Y. **Nippon Ganka Gakkai Zasshi** 1987 Mar; 91(3):324-34 (Eng. Abstr.) **(Jpn)**

SURGERY

Management of pterygia 20 years later. Nowell JF. **South Med J** 1986 Nov;79(11):1382-4

[Monobloc lamellar autokeratoplasty (MLAK) and corneal cicatrization. Apropos of a comparative trial in a control group and a group treated with a L-cystine and pyridoxine hydrochloride combination] Rivaud C, et al. **J Fr Ophtalmol** 1987;10(1):35-40 (Eng. Abstr.) **(Fre)**

[Technics and results of autografts in surgery of pterygium. Study based on 34 grafts] Rivaud C, et al. **J Fr Ophtalmol** 1986;9(3):217-25 (Eng. Abstr.) **(Fre)**

[Results of the surgical treatment of pterygium apropos of 102 cases] Vaniscotte MH, et al. **J Fr Ophtalmol** 1986; 9(3):227-30 (Eng. Abstr.) **(Fre)**

[Cornea transplant in the treatment of pterygia. Preliminary note] Rivaud C, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1986;63(1-2):167-70 **(Fre)**

PTERYGOID MUSCLES see under **MASTICATORY MUSCLES**

PTILOCERCUS see **TUPAIIDAE**

PTOSIS, EYELID see **BLEPHAROPTOSIS**

PTSD see **STRESS DISORDERS, POST-TRAUMATIC**

PUBERTY

The prevalence of allergy and IgE antibodies to inhalant allergens in Swedish school children. Hattevig G, et al. **Acta Paediatr Scand** 1987 Mar;76(2):349-55

A longitudinal study of the relationship of plasma somatomedin-C concentration to the pubertal growth spurt. Cara JF, et al. **Am J Dis Child** 1987 May;141(5):562-4

Effects of chincap force on the timing and amount of mandibular growth associated with anterior reversed occlusion (Class III malocclusion) during puberty. Mitani H, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec; 90(6):454-63

Weight/heightp compared to weight/height2 for assessing adiposity in childhood: influence of age and bone age on p during puberty. Cole TJ. **Ann Hum Biol** 1986 Sep-Oct; 13(5):433-51

Effects of age and/or puberty on coronary artery atherosclerosis in cynomolgus monkeys. Weingand KW, et al. **Atherosclerosis** 1986 Nov;62(2):137-44

Is suicidal ideation associated with puberty? Zubrick S, et al. **Aust NZ J Psychiatry** 1987 Mar;21(1):54-8

Pulsatility of reproductive hormones: applications to the understanding of puberty and to the treatment of infertility. Brook CG, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):23-41 (2& ref.)

The impact of timing of puberty on psychosomatic symptoms among fourteen- to sixteen-year-old Finnish girls. Aro H, et al. **Child Dev** 1987 Feb;58(1):261-8

Validity of self-report measures of girls' pubertal status. Brooks-Gunn J, et al. **Child Dev** 1987 Jun;58(3):829-41

The assessment of diminished testicular function in boys of pubertal age. Kulin HE, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):283-92

Growth of cavernous hemangioma with puberty [letter] Stickler GB. **Clin Pediatr (Phila)** 1986 Dec;25(12):629

Ages of physical maturation and first intercourse in black teenage males and females. Zabin LS, et al. **Demography** 1986 Nov;23(4):595-605

The effect of puberty on the development of early diabetic microvascular disease in insulin-dependent diabetes. Rogers DG, et al. **Diabetes Res Clin Pract** 1987 Jan-Feb; 3(1):39-44

Pubertal development in male hypopituitarism. Martínez AS, et al. **Eur J Pediatr** 1986 Oct;145(5):384-8

Pubertal development in Indian children. Kaul KK. **Indian J Pediatr** 1987 May-Jun;54(3):287-91

Effect of aerobic training quantity on the VO2 max of circumpubertal swimmers. Mercier J, et al. **Int J Sports Med** 1987 Feb;8(1):26-30

Developmental processes in early adolescence. Relations among chronologic age, pubertal stage, height, weight, and serum levels of gonadotropins, sex steroids, and adrenal androgens. Nottelmann ED, et al. **J Adolesc Health Care** 1987 May;8(3):246-60

Outcome and prognostic factors in infantile autism and similar conditions: a population-based study of 46 cases followed through puberty. Gillberg C, et al. **J Autism Dev Disord** 1987 Jun;17(2):273-87

Augmentation of growth hormone secretion during puberty: evidence for a pulse amplitude-modulated phenomenon. Mauras N, et al. **J Clin Endocrinol Metab** 1987 Mar; 64(3):596-601

Prepubertal periodontitis. A case report with an analysis of lymphocyte populations. Celenligil H, et al. **J Clin Periodontol** 1987 Feb;14(2):85-8

NCHS standard is affected by puberty [letter] Cole TJ. **J Nutr** 1986 Aug;116(8):1587-8

Growth hormone secretion in patients with constitutional delay of growth and pubertal development. Lanes R, et al. **J Pediatr** 1986 Nov;109(5):781-3

Developmental processes in early adolescence: relationships between adolescent adjustment problems and chronologic age, pubertal stage, and puberty-related serum hormone levels. Nottelmann ED, et al. **J Pediatr** 1987 Mar; 110(3):473-80

Differences in periodontal disease-associated microorganisms of subgingival plaque in prepubertal, pubertal and postpubertal children. Wojcicki CJ, et al. **J Periodontol** 1987 Apr;58(4):219-23

A clinical and microbiologic examination of gingival disease in parapubescent females. Yanover L, et al. **J Periodontol** 1986 Sep;57(9):562-7

The effects of hydraulic resistance strength training in pre-pubertal males. Weltman A, et al. **Med Sci Sports Exerc** 1986 Dec;18(6):629-38

The effect of large doses of ethinylestradiol on apolipoprotein levels in excessively tall prepubertal girls. Leuven JA, et al. **Metabolism** 1986 Oct;35(10):978–80

Insulin-like growth factors in pygmies. The role of puberty in determining final stature. Merimee TJ, et al. **N Engl J Med** 1987 Apr 9;316(15):906–11

Physical growth and development: current concepts. Fujii CM, et al. **Primary Care** 1987 Mar;14(1):1–12

Breathing pattern and occlusion pressure during exercise in pre- and peripubertal swimmers. Ramonatxo M, et al. **Respir Physiol** 1986 Sep;65(3):351–64

[Natural history of intrauterine growth retardation: pubertal growth and adult height] Job JC, et al. **Arch Fr Pediatr** 1986 May;43(5):301–6 (Eng. Abstr.) **(Fre)**

[Cognitive developmental prerequisites of anorexia nervosa in puberty as an explanation of its lower age limit] Habermas T. **Prax Kinderpsychol Kinderpsychiatr** 1987 Apr;36(3):88–92 (Eng. Abstr.) **(Ger)**

[Toward Italy! Youth and maturation in "Taugenichts"] Hummel C. **Psyche (Stuttg)** 1987 Feb;41(2):148–72 (Eng. Abstr.) **(Ger)**

[Pubertal basophilia: clinical characteristics and adaptation of the patients] Tkachenko NM, et al. **Akush Ginekol (Mosk)** 1987 May;(5):17–20 (Eng. Abstr.) **(Rus)**

[Pancreatic incretory function in the hypothalamic puberty syndrome] Kaiusheva IV, et al. **Klin Med (Mosk)** 1986 Aug; 64(8):95–100 (Eng. Abstr.) **(Rus)**

[Vegetative changes in normal and pathologic puberty] Ismagilov MF. **Pediatriia** 1986 Sep;(9):76 **(Rus)**

[Growth and development of children following strumectomy] Sadykov FG. **Pediatriia** 1987;(3):29–31 (Eng. Abstr.) **(Rus)**

[Alpha-tocopherol concentration of the blood plasma and erythrocytes in patients with symptomatic obesity due to hypothalamo-hypophyseal-adrenal diseases] Tishenina RS. **Probl Endokrinol (Mosk)** 1986 Jul-Aug;32(4):25–30 (Eng. Abstr.) **(Rus)**

[Plasma gonadotropins and sex hormones in the hypothalamic pubertal syndrome in girls] Kaiusheva IV, et al. **Sov Med** 1986;(11):12–6 (Eng. Abstr.) **(Rus)**

[The hypothalamo-hypophyseo-thyroid system in hypothalamic pubertal syndrome] Kaiusheva IV, et al. **Sov Med** 1986;(12):38–42 (Eng. Abstr.) **(Rus)**

[Hypothalamic puberty syndrome] Kaiusheva IV, et al. **Sov Med** 1986;(8):33–7 (Eng. Abstr.) **(Rus)**

BLOOD

Hormonal profile in pubertal females with chronic renal failure: before and under haemodialysis and after renal transplantation. Ferraris JR, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):289–96

Sex-steroid-binding plasma protein (SBP), testosterone, oestradiol and dehydroepiandrosterone (DHEA) in prepuberty and puberty. Maruyama Y, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):60–7

Plasma concentrations of vitamin D metabolites in pubertal girls with anorexia nervosa. Aarskog D, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:458–67

Testosterone regulates the haemoglobin concentration in male puberty. Thomsen K, et al. **Acta Paediatr Scand** 1986 Sep;75(5):793–6

Puberty decreases insulin sensitivity. Bloch CA, et al. **J Pediatr** 1987 Mar;110(3):481–7

Decrease in plasma high-density lipoprotein cholesterol levels at puberty in boys with delayed adolescence. Correlation with plasma testosterone levels. Kirkland RT, et al. **JAMA** 1987 Jan 23–30;257(4):502–7

Pulsatile release of bioactive luteinizing hormone in prepubertal girls: discordance with immunoreactive luteinizing hormone pulses. Reiter EO, et al. **Pediatr Res** 1987 Apr;21(4):409–13

[Serum testosterone in adolescents and its relation to puberty] Lu HX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan; 21(1):24–7 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Failure to induce puberty in a man with X-linked congenital adrenal hypoplasia and hypogonadotropic hypogonadism by pulsatile administration of low-dose gonadotropin-releasing hormone. Kikuchi K, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):153–60

Influence of valproic acid on the gonadotropin-releasing hormone test in puberty. Lundberg B, et al. **Acta Paediatr Scand** 1986 Sep;75(5):787–92

The evolution of polycystic ovaries in a girl with hypogonadotropic hypogonadism before puberty and during puberty induced with pulsatile gonadotropin-releasing hormone. Stanhope R, et al. **Fertil Steril** 1987 May;47(5):872–5

Plasma adrenocorticotropin, cortisol, and dehydroepiandrosterone response to corticotropin-releasing factor in normal children during pubertal development. Attanasio A, et al. **Pediatr Res** 1987 Jul;22(1):41–4

ETHNOLOGY

Pubertal development in black and white Johannesburg girls. Chaning-Pearce SM, et al. **S Afr Med J** 1987 Jan 10; 71(1):22–4

METABOLISM

Growth hormone response to a standardised exercise test in relation to puberty and stature. Greene SA, et al. **Arch Dis Child** 1987 Jan;62(1):53–6

Biliary cholesterol saturation in non-obese women and non-obese men before and after puberty. Von Bergmann K, et al. **Eur J Clin Invest** 1986 Dec;16(6):531–5

Nutrition and puberty in the female. Kirkwood RN, et al. **Proc Nutr Soc** 1987 Jul;46(2):177–92 (97 ref.)

Nutritional effects on puberty and lactational infertility in mammals: some interspecies considerations. Loudon A. **Proc Nutr Soc** 1987 Jul;46(2):203–16 (91 ref.)

[Iron metabolism during pubertal development] Muñoz Villa A, et al. **Sangre (Barc)** 1987;32(2):175–85 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Endogenous opioid inhibitory tone on LH secretion in normal puberty and in several pubertal disturbances. Bernasconi S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:196–201

Growth and development in girls with Turner's syndrome during early therapy with low doses of estradiol. Kastrup KW. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:157–63

Longitudinal study of testosterone and luteinizing hormone (LH) in relation to spermarche, pubic hair, height and sitting height in normal boys. Nielsen CT, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:98–106

Observations on the role of GH/IGF-1 and sex hormone binding globulin (SHBG) in the pubertal development of growth hormone deficient (GHD) children. Rudd BT, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:164–9

Adrenarche is dissociated from gonadarche--studies in patients with Turner's syndrome. Teller WM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:232–40

Treatment of pubertal gynaecomastia with testolactone. Zachmann M, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:218–26

What triggers the onset of puberty? Menon PS, et al. **Indian J Pediatr** 1987 May-Jun;54(3):292–4

Pubertal development: normal, precocious and delayed. Lee WK. **J Singapore Paediatr Soc** 1986;28(1–2):63–8

Comparison of responses to weight training in pubescent boys and men. Sailors M, et al. **J Sports Med Phys Fitness** 1987 Mar;27(1):30–7

Thymic "atrophy" at puberty is a myth [letter]Simmons VP. **Med Hypotheses** 1987 Mar;22(3):299–301

Nipple (papilla) development in puberty: longitudinal observations in girls. Rohn RD. **Pediatrics** 1987 May; 79(5):745–7

Changing relationships between stature and lung volumes during puberty. Degroodt EG, et al. **Respir Physiol** 1986 Aug;65(2):139–53

Adolescence and mental illness [letter] Feinberg I. **Science** 1987 May 1;236(4801):507–8

[The so-called secular changes in growth and puberty] Pierson M, et al. **Arch Fr Pediatr** 1987 May;44(5):327–30 **(Fre)**

[Age of onset of puberty in Turin males. II. (letter)] Benso L, et al. **Minerva Pediatr** 1986 Nov 30;38(22):1079–81 **(Ita)**

[Age of onset of puberty in Turin females. I. (letter)] Benso L, et al. **Minerva Pediatr** 1986 Nov 30;38(22):1077–8 **(Ita)**

[Characteristics of the hormonal status of pubescent girls suffering from juvenile uterine hemorrhage] Kokolina VF, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):17–9 (Eng. Abstr.) **(Rus)**

[Classification of the peripubertal stage of ontogeny in girls: a multivariate statistical solution] Episkoposian LM, et al. **Biol Nauki** 1987;(3):60–4 (Eng. Abstr.) **(Rus)**

[Multivariate approach to the analysis of the growth processes in the peripuberty period of human ontogeny] Episkoposian LM. **Biol Nauki** 1986;(7):66–70 (Eng. Abstr.) **(Rus)**

[Effect of the adaptation to long-term physical loads on the functional and anthropometric indices of prepubescent and pubescent boys] Bagirov TK, et al. **Fiziol Cheloveka** 1987 Mar-Apr;13(2):218–24 **(Rus)**

PSYCHOLOGY

[Clinico-psychological characteristics of patients with psychogenic amenorrhea in puberty] Mikirtumov BE. **Akush Ginekol (Mosk)** 1987 Mar;(3):23–6 (Eng. Abstr.) **(Rus)**

URINE

Steroid spectrum in human urine as revealed by gas chromatography. VI. Pregnanediol excretion values and 3 beta-hydroxy-delta 5-steroid dehydrogenase activity of girls at different stage of development. Kecskés L, et al. **Acta Biochim Biophys Hung** 1986;21(1–2):67–80

PUBERTY, DELAYED

BLOOD

Impaired response of growth hormone-releasing hormone (GHRH) measured in plasma after L-dopa stimulation in patients with idiopathic delayed puberty. Argente J, et al. **Acta Paediatr Scand** 1987 Mar;76(2):266–70

Serum immunoreactive somatomedin-C levels in growth failure and delayed puberty associated with chronic hepatosplenic schistosomiasis. Cavaliere H, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):617–26

Naloxone-induced luteinizing hormone secretion in normal, precocious, and delayed puberty. Petraglia F, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1112–6

Decrease in plasma high-density lipoprotein cholesterol levels at puberty in boys with delayed adolescence. Correlation with plasma testosterone levels. Kirkland RT, et al. **JAMA** 1987 Jan 23–30;257(4):502–7

DIAGNOSIS

The prolactin response to TRH and domperidone does not differentiate male hypothalamic hypogonadism and constitutional delay of puberty. Popović V, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):211–5

Gynecological concerns in young and adolescent physically active girls. Shangold MM. **Pediatrician** 1986;13(1):10–3

DRUG THERAPY

The control of the onset of puberty. Brook CG, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:202–6

Induction of first cycles in primary hypothalamic amenorrhea with pulsatile luteinizing hormone-releasing hormone: a mirror of female pubertal development. Schoemaker J, et al. **Fertil Steril** 1987 Aug;48(2):204–12

Induction of puberty by pulsatile gonadotropin releasing hormone. Stanhope R, et al. **Lancet** 1987 Sep 5; 2(8558):552–5

Urticaria associated with antigonadotropin-releasing hormone antibody in a female Kallman's syndrome patient being treated with long-term pulsatile gonadotropin-releasing hormone. Claman P, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):503–5

Treatment of short stature and delayed adolescence. Wilson DM, et al. **Pediatr Clin North Am** 1987 Aug;34(4):865–79 (35 ref.)

[Puberty induction using pulsatile LHRH administration] Delemarre-van de Waal HA. **Tijdschr Kindergeneeskd** 1986 Dec;54(6):176–82 (Eng. Abstr.) **(Dut)**

[Pulsatile long-term gonadotropin-releasing hormone (GnRH) therapy in the male: natural induction of puberty in a 20-year-old boy] Trost BN. **Schweiz Med Wochenschr** 1986 Dec 13;116(50):1776–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Gonadal failure in a short teenage girl. Schindler AM, et al. **Hosp Pract [Off]** 1987 Mar 15;22(3):77–80

Pubertal development: normal, precocious and delayed. Lee WK. **J Singapore Paediatr Soc** 1986;28(1–2):63–8

Hypogonadotropic hypogonadism and delayed puberty in a man with anorexia nervosa. Russ MJ, et al. **Psychosomatics** 1986 Oct;27(10):737–9

Delayed puberty and short stature. Blethen SL, et al. **Semin Adolesc Med** 1985 Mar;1(1):67–77

[Ovarian insufficiency and congenital galactosemia] Berlier P, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):75–7 (Eng. Abstr.) **(Fre)**

[Clinico-hormonal characteristics of retarded development of the female sexual system of central origin] Levenets SA, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):50–3 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial transmission of a ring chromosome 21. Hertz JM. **Clin Genet** 1987 Jul;32(1):35–9

PHYSIOPATHOLOGY

Appraising the instantaneous secretory rates of luteinizing hormone and testosterone in response to selective mu opiate receptor blockade in late pubertal boys. Mauras N, et al. **J Androl** 1987 Jul-Aug;8(4):203–9

PSYCHOLOGY

Psychosocial correlates of short stature and delayed puberty. Lee PD, et al. **Pediatr Clin North Am** 1987 Aug; 34(4):851–63 (63 ref.)

PUBERTY, PRECOCIOUS

see related

ADRENAL HYPERPLASIA, CONGENITAL

Isosexual precocity: non-salt losing variety [letter] Sharma SN, et al. **J Assoc Physicians India** 1986 Jul;34(7):532

BLOOD

Naloxone-induced luteinizing hormone secretion in normal, precocious, and delayed puberty. Petraglia F, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1112–6

The rapid ovarian secretory response to pituitary stimulation by the gonadotropin-releasing hormone agonist nafarelin in sexual precocity. Rosenfield RL, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1386–9

Growth hormone secretory dynamics in children with precocious puberty. Ross JL, et al. **J Pediatr** 1987 Mar; 110(3):369–72

CHEMICALLY INDUCED

Incidence of premature sexual development in Puerto Rico [editorial] Ramírez de Arellano AB. **J Public Health Policy** 1986 Winter;7(4):543–5

CLASSIFICATION

Clinical and endocrinologic study of precocious puberty in girls. Ortner A, et al. **Arch Gynecol** 1987;240(2):81–93

COMPLICATIONS

Biobehavioral aspects of precocious puberty. Sonis WA, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):674–9

Precocious puberty in Kabuki makeup syndrome. Kuroki Y, et al. **J Pediatr** 1987 May;110(5):750–2

DIAGNOSIS

Studies of gonadotrophin pulsatility and pelvic ultrasound examinations distinguish between isolated premature thelarche and central precocious puberty. Stanhope R, et al. **Eur J Pediatr** 1986 Aug;145(3):190–4

[Central precocious puberty] Odink RJ, et al. **Tijdschr Kindergeneeskd** 1986 Dec;54(6):182–6 (Eng. Abstr.) **(Dut)**

[Role of pelvic ultrasonography in the diagnosis, therapeutic indications and surveillance of central precocious puberty] Brauner R, et al. **Arch Fr Pediatr** 1986 Oct;43(8):601–6 (Eng. Abstr.) **(Fre)**

[Precocious puberty in girls] François R, et al. **Rev Fr Gynecol Obstet** 1986 Sep 20;81(9):441–3 **(Fre)**

[Incidence and character of precocious sexual development] Sadykh-zade KhS, et al. **Pediatriia** 1987;(1):65–8 **(Rus)**

DRUG THERAPY

Pharmacodynamics of [D-Ser (t-Bu)6,Des-Gly10]GnRH ethylamide (Buserelin) in 6 normal volunteers. Its usefulness to monitor treatment of central precocious puberty. Reznik Y, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):235–42

The effects of cyproterone acetate on statural growth in children with precocious puberty. Sorgo W, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):44–56

The effect of treatment with an LH–RH agonist (Buserelin) on gonadal activity growth and bone maturation in children with central precocious puberty. Drop SL, et al. **Eur J Pediatr** 1987 May;146(3):272–8

Pharmacokinetic characteristics of the gonadotropin-releasing hormone analog D-Ser(TBU)-6EA-10luteinizing hormone-releasing hormone (buserelin) after subcutaneous and intranasal administration in children with central precocious puberty. Holland FJ, et al. **J Clin Endocrinol Metab** 1986 Nov; 63(5):1065–70

Gonadotropin-independent precocious puberty ("testotoxicosis"): influence of maturational status on response to ketoconazole. Holland FJ, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):328–33

Intranasal nafarelin: an LH–RH analogue treatment of gonadotropin-dependent precocious puberty. Lin TH, et al. **J Pediatr** 1986 Dec;109(6):954–8

Gonadotropin-independent isosexual precocity in a boy with tuberous sclerosis: effect of ketoconazole. Root AW, et al. **J Pediatr** 1986 Dec;109(6):1012–5

Pharmacology of antiandrogens. Neumann F, et al. **J Steroid Biochem** 1986 Nov;25(5B):885–95

Treatment of precocious puberty in the McCune-Albright syndrome with the aromatase inhibitor testolactone. Feuillan PP, et al. **N Engl J Med** 1986 Oct 30; 315(18):1115–9

[Treatment of central precocious puberty with an LHRH analog. Effect on growth and bone maturation after 2 years of treatment] Brauner R, et al. **Arch Fr Pediatr** 1987 Apr; 44(4):271–6 (Eng. Abstr.) **(Fre)**

[Management of true precocious puberty with a delayed-action Gn-RH analog] Julesz J, et al. **Orv Hetil** 1986 Dec 7;127(49):3005–9 (Eng. Abstr.) **(Hun)**

[Effectiveness of danazol in the treatment of idiopathic precocious puberty. Review of the literature and description of a clinical case] De Marinis L, et al. **Minerva Endocrinol** 1986 Oct-Dec;11(4):253–9 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Premature thelarche in Puerto Rico. A search for environmental factors. Freni-Titulaer LW, et al. **Am J Dis Child** 1986 Dec;140(12):1263–7

Premature thelarche in Puerto Rico: a search for environmental estrogenic contamination. Hannon WH, et al. **Arch Environ Contam Toxicol** 1987 May;16(3):255–62

Adrenal rest tumour of the ovary associated with isosexual precocious pseudopuberty and cushingoid features. Adeyemi SD, et al. **Eur J Pediatr** 1986 Aug;145(3):236–8

Dissociation between adrenarche and gonadarche in two longstanding hypothyroid youngsters. De Luca F, et al. **Helv Paediatr Acta** 1986 Dec;41(5):441–6

Pseudo-precocious puberty associated with mediastinal teratoma and polycystic ovary. Porcelli F, et al. **Helv Paediatr Acta** 1985 Apr;40(1):75–82

Puberty due to a mixed germ cell tumour of the hypothalamus secreting BhCG and alpha-fetoprotein. Howlett TA, et al. **Horm Res** 1987;25(1):13–7

Sexual precocity in primary hypothyroidism. Chitkara AJ, et al. **Indian Pediatr** 1986 Sep;23(9):737–40

Hepatoblastoma presenting as isosexual precocity. The clinical importance of histologic and serologic parameters. Heimann A, et al. **J Clin Gastroenterol** 1987 Feb; 9(1):105–10

Precocious puberty after traumatic brain injury. Sockalosky JJ, et al. **J Pediatr** 1987 Mar;110(3):373–7

Gonadoblastoma presenting as isosexual precocious puberty in a genetic female. Steinhardt GF, et al. **J Pediatr Surg** 1986 Oct;21(10):905–7

Pubertal development: normal, precocious and delayed. Lee WK. **J Singapore Paediatr Soc** 1986;28(1–2):63–8

Case 7. Virilizing adrenal cortical tumor in a 4-year-old male. Rosenberg HS, et al. **Pediatr Pathol** 1986;6(4):489–94

Precocious puberty of cerebral origin: a cooperative study in Japan. Hibi I, et al. **Prog Exp Tumor Res** 1987;30:224–38

[True precocious puberty in non-tumor hydrocephalus. An analysis of 16 cases] Brauner R, et al. **Arch Fr Pediatr** 1987 Jun-Jul;44(6):433–6 (Eng. Abstr.) **(Fre)**

[Ovarian follicle cysts and precocious puberty] Taulier-Raybaud C, et al. **Pediatrie** 1986 Dec;41(8):607–16 (Eng. Abstr.) **(Fre)**

[Russel's syndrome. Report of a case with development of precocious puberty] de Castro EM, et al. **Arq Neuropsiquistr** 1987 Mar;45(1):72–80 (Eng. Abstr.) **(Por)**

[Pathologic puberty and dysgerminoma of the ovary] Marcos MV, et al. **An Esp Pediatr** 1987 Apr;26(4):308–10 **(Spa)**

FAMILIAL & GENETIC

Is heterozygosity for the steroid 21-hydroxylase deficiency responsible for hirsutism, premature pubarche, early puberty, and precocious puberty in children? Knorr D, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:284–9

Precocious puberty in the male offspring of a mother and daughter with the Prader-Willi syndrome [letter] Hockey A, et al. **Am J Med Genet** 1987 Mar;26(3):749

Genetic defects of steroidogenesis in premature pubarche. Temeck JW, et al. **J Clin Endocrinol Metab** 1987 Mar; 64(3):609–17

OCCURRENCE

Gynaecomastia and premature thelarche in a schoolchildren population of northern Italy. Nizzoli G, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:227–31

PATHOLOGY

A clinical and microbiologic examination of gingival disease in parapubescent females. Yanover L, et al. **J Periodontol** 1986 Sep;57(9):562–7

Hamartoma of the tuber cinereum in a six-month-old boy, causing isosexual precocious puberty. Roosen N, et al. **Neurochirurgia (Stuttg)** 1987 Mar;30(2):56–60

PHYSIOPATHOLOGY

Dissociation of adrenarche and gonadarche in precocious puberty and in isolated hypogonadotropic hypogonadism. Counts DR, et al. **J Clin Endocrinol Metab** 1987 Jun; 64(6):1174–8

Transient sexual precocity resulting from gonadotropin stimulation in a young girl [letter] Kodama H, et al. **N Engl J Med** 1987 Apr 9;316(15):950–1

[Spontaneously regressive central precocious puberty in girls. Impact on therapeutic indications in precocious puberty] Brauner R, et al. **Ann Pediatr (Paris)** 1987 Jan;34(1):70–4 (Eng. Abstr.) **(Fre)**

[Precocious puberty] Van Vliet G. **Rev Med Brux** 1987 May; 8(5):281–7 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Idiopathic precocious puberty in girls: long-term effects on adolescent behavior. Ehrhardt AA, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:247–53

Dichotic listening following idiopathic precocious puberty: speech processing capacity and temporal efficiency. Bruder GE, et al. **Brain Lang** 1987 Jul;31(2):267–75

RADIOGRAPHY

CT of cerebral abnormalities in precocious puberty. Rieth KG, et al. **AJR** 1987 Jun;148(6):1231–8

SURGERY

[Controlling precocious puberty—surgical excision of hypothalamic hamartoma causing precocious puberty] Kyuma Y, et al. **No Shinkei Geka** 1986 Aug;14(9):1095–103 (Eng. Abstr.) **(Jpn)**

THERAPY

Management of precocious puberty. Greger NG, et al. **Indian J Pediatr** 1986 Jan-Feb;53(1):10–2

PUBIC BONE

The direct invasion of the pubic bones by prostate cancer [letter] McKay MJ. **Australas Radiol** 1986 May;30(2):168–9

Osteitis pubis. Julsrud ME. **J Am Podiatr Med Assoc** 1986 Oct;76(10):562–5

Rotated hypoplastic hemipelvis: a cause of obstructive dyspareunia. Kucera PR, et al. **Obstet Gynecol** 1987 Sep; 70(3 Pt 2):509–10

[Something to think about?] Ruijs JH, et al. **Ned Tijdschr Geneeskd** 1987 Jan 17;131(3):89–90 **(Dut)**

[Circulatory disorders of the lower extremities caused by benign bone tumors of rare sites] Mike G, et al. **Beitr Orthop Traumatol** 1986 Sep;33(9):448–51 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

La Ferrassie 6 and the development of Neandertal pubic morphology. Tompkins RL, et al. **Am J Phys Anthropol** 1987 Jun;73(2):233–9

INJURIES

Stress fracture of the pubic ramus in a swimmer. Kim SM, et al. **Clin Nucl Med** 1987 Feb;12(2):118–9

[Obturator dislocation after abduction treatment of congenital hip dislocation] Zwierzchowska D, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):486–9 (Eng. Abstr.) **(Pol)**

[Bilateral posteroiliac dislocation of the hips associated with fracture of the pelvic bones] Voloshin AF, et al. **Ortop Travmatol Protez** 1986 Nov;(11):62 **(Rus)**

RADIOGRAPHY

[Iconographic rubric. Ischiopubic osteochondrosis] Bernard C, et al. **Arch Fr Pediatr** 1986 Aug-Sep;43(7):505–6 **(Fre)**

[Ossification of muscle-tendon insertions on the ischiadic tubercle and pubic bone in a truck-driver] Bolz KD, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2157–8 (Eng. Abstr.) **(Nor)**

SURGERY

Partial pubectomy: technique and indications. De Sy WA, et al. **Br J Urol** 1986 Aug;58(4):464–5

PUBIC SYMPHYSIS

see related
SYMPHYSIOTOMY

ANATOMY & HISTOLOGY

Prediction of size of infants by measurement of symphysis fundus height [letter] Geirsson RT. **Br J Obstet Gynaecol** 1987 Mar;94(3):277–9

DRUG EFFECTS

Dose response relationship of relaxin on the pubic ligament of the mouse. Lippert TH, et al. **Clin Exp Obstet Gynecol** 1987;14(2):80–3

INJURIES

Disruption of the symphysis pubis and fatigue fractures of the pelvis in a patient with rheumatoid arthritis. A case report. Tauber C, et al. **Clin Orthop** 1987 Feb;(215):105–8

[Rupture of the symphysis as a riding accident] Friedebold G. **Unfallchirurgie** 1986 Oct;12(5):287 **(Ger)**

[Method of surgical treatment of neglected ruptures of the symphysis pubis with instability of the pelvic ring] Revenko TA, et al. **Ortop Travmatol Protez** 1987 Jan;(1):44 **(Rus)**

PATHOLOGY

Septic separation of the symphysis pubis. Persson BM, et al. **Int Orthop** 1986;10(3):209–11

RADIOGRAPHY

Pelvic diastasis in pregnancy. Crim MW, et al. **Am Fam Physician** 1987 Mar;35(3):185–6

SURGERY

[Pubic osteoarthropathy caused by symphyseal instability or chronic painful symphysiolysis: treatment by symphysiodesis. Apropos of a case and review of the literature] Delaunay C, et al. **Rev Chir Orthop** 1986; 72(8):573–7 (Eng. Abstr.) **(Fre)**

PUBLIC ASSISTANCE

see related
SOCIAL WELFARE

The relationship between the receipt of supplementary pension, disability and the use of services by the elderly. Vetter NJ, et al. **Arch Gerontol Geriatr** 1987 Apr;6(1):33–41

Estimating the public costs of teenage childbearing. Burt MR. **Fam Plann Perspect** 1986 Sep-Oct;18(5):221–6

Project Redirection: evaluation of a comprehensive program for disadvantaged teenage mothers. Polit DF, et al. **Fam Plann Perspect** 1985 Jul-Aug;17(4):150–5

Public benefits and costs of government funding for abortion. Torres A, et al. **Fam Plann Perspect** 1986 May-Jun; 18(3):111–8

Food procurement and the nutritional adequacy of diets in low-income families. Emmons L. **J Am Diet Assoc** 1986 Dec;86(12):1684–93

Program and demographic characteristics of Supplemental

Security Income recipients, December 1985. Kahn AL. **Soc Secur Bull** 1987 May;50(5):23–57
[Criteria for determining the need for social health care] Riedel S, et al. **ZFA** 1986 Nov–Dec;41(6):359–61 **(Ger)**
[Health check-ups for the elderly. A task for primary health care] Brunvand L, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1960–2 (Eng. Abstr.) **(Nor)**
[Functional capacity and self-care ability of the elderly in the municipality of Bergen] Gjertsen EM. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):148–50 (Eng. Abstr.) **(Nor)**

ECONOMICS

Actuarial status of the OASI (old age survivors insurance) and DI (disability insurance) Trust Funds. Ballantyne HC. **Soc Secur Bull** 1987 Jun;50(6):5–9

LEGISLATION & JURISPRUDENCE

The determinants of homelessness. Rossi PH, et al. **Health Aff (Millwood)** 1987 Spring;6(1):19–32

TRENDS

American medical policy and the "crisis" of the welfare state: a comparative perspective. Marmor TR. **J Health Polit Policy Law** 1986;11(4):617–31
New federalism and health care policy: states and the old questions. Thompson FJ. **J Health Polit Policy Law** 1986; 11(4):647–69
Federal health policies in the United States: an alternative explanation. Navarro V. **Milbank Q** 1987;65(1):81–111

PUBLIC HEALTH

see related
HEALTH PLANNING
OCCUPATIONAL MEDICINE
SOCIAL MEDICINE
ZOONOSES

The public health implications of the Bhopal disaster. Report to the Program Development Board, American Public Health Association. Bhopal Working Group. **Am J Public Health** 1987 Feb;77(2):230–6
Notifying workers at risk: the politics of the right-to-know. Bayer R. **Am J Public Health** 1986 Nov;76(11):1352–6
Do authors check their references? A survey of accuracy of references in three public health journals. Eichorn P, et al. **Am J Public Health** 1987 Aug;77(8):1011–2
Legal control measures for AIDS: reporting requirements, surveillance, quarantine, and regulation of public meeting places. Gostin L, et al. **Am J Public Health** 1987 Feb; 77(2):214–8
The French connection [editorial] Graitcer PL, et al. **Am J Public Health** 1986 Nov;76(11):1285–6
Elective cancer education: how effective from the public health viewpoint? Gray CH, et al. **Am J Public Health** 1987 Sep;77(9):1207–9
Pack size, reported cigarette smoking rates, and public health. Kozlowski LT. **Am J Public Health** 1986 Nov; 76(11):1337–8
The public health impact of Alzheimer's disease [editorial] Weiler PG. **Am J Public Health** 1987 Sep;77(9):1157–8
Public health and chronic mental illness [editorial] Westermeyer J. **Am J Public Health** 1987 Jun;77(6):667–8
Public health applications of a classification system for human immunodeficiency virus infection. Solomon SL, et al. **Ann Intern Med** 1987 Feb;106(2):319–21
The public health perspective on alcoholism. Mayer W. **Ann NY Acad Sci** 1986;472:195–7
International mobility of hazardous products, industries, and wastes. Castleman BI, et al. **Annu Rev Public Health** 1987; 8:1–19 (37 ref.)
State of public health [letter] Ashton J. **Br Med J** 1987 Feb 14;294(6569):447
Public knowledge of AIDS and the DHSS advertisement campaign. Mills S, et al. **Br Med J [Clin Res]** 1986 Oct 25;293(6554):1089–90
Housing conditions and ill health [letter] Rozzini R, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1690
The ethics of paternalism in public health [editorial] Last JM. **Can J Public Health** 1987 Jan–Feb;78(1):3–5 **(Eng, Fre)**
A voluntary perspective on health promotion—the role of non-governmental organizations, particularly in the voluntary sector. White F. **Can J Public Health** 1986 Nov–Dec;77(6):431–43 **(Eng, Fre)**
Law rules at Health and Welfare. Gray C. **Can Med Assoc J** 1986 Nov 15;135(10):1195, 1197
Nuclear weapons: the scope of the public health function [letter] Bush MF. **Community Med** 1986 Nov;8(4):362–3
Morality and the health of the body politic. Beauchamp DE. **Hastings Cent Rep** 1986 Dec;16(6):suppl 30–6
The limits of compulsion in controlling AIDS. Gostin L, et al. **Hastings Cent Rep** 1986 Dec;16(6):suppl 24–9
Has police power gone too far? [letter] Hoffman DN. **Hastings Cent Rep** 1986 Oct;16(5):44
Predicting dangerousness and the public health response to AIDS. Macklin R. **Hastings Cent Rep** 1986 Dec;16(6):suppl 16–23
AIDS education: the public health challenge. **Health Educ Q** 1986 Winter;13(4):285–427
Ethical issues in government sponsored public health campaigns. Faden RR. **Health Educ Q** 1987 Spring; 14(1):27–37
Seat belt education program—a model for public health settings. Saunders S, et al. **Health Educ Q** 1986 Fall; 13(3):243–7
AIDS risk reduction: a community health education intervention for minority high risk group members. Williams LS. **Health Educ Q** 1986 Winter;13(4):407–21
Public health enemy no. 1. Kissel SJ. **Health Soc Work** 1987 Summer;12(3):166–8
Smoking in public places. **IMJ** 1986 Oct;170(4):195
Genes, genies and public health. Ramalingaswami V. **Indian J Pediatr** 1986 Jul–Aug;53(4):441–9
The impact on public health of routine HTLV-III antibody testing. A National Institutes of Health consensus report synopsis. **Indiana Med** 1987 Mar;80(3):250–3
The alcohol trade and its effects on public health [editorial] Poikolainen K. **Int J Epidemiol** 1986 Sep;15(3):308
Community participation in veterinary public health and animal health in the Caribbean—results of a preliminary survey. Arambulo PV 3d, et al. **Int J Zoonoses** 1986 Sep; 13(3):162–73
Refugee health in Iowa. **Iowa Med** 1987 Jul;77(7):354–5
Surgeon General's report on acquired immune deficiency syndrome. Koop CE. **J Am Osteopath Assoc** 1987 Jan; 87(1):103–19
Public health concerns from human exposure to oncogenic avian herpesviruses. Purchase HG, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1430–6 (42 ref.)
Health education and public health policies for detection, prevention, and treatment of hypertension. Gutzwiller F. **J Clin Hypertens** 1986 Jun;2(2):210–5
Contemporary issues in public health. **J Community Health** 1987 Summer–Fall;12(2–3):71–198
The public health function: responsibility for control of infection in hospitals [editorial] Sanderson PJ. **J Hosp Infect** 1987 Jan;9(1):1–3
The public health challenge of the acquired immune deficiency syndrome [editorial] Larson E. **J Infect** 1986 Nov;13(3):211–3
Injuries: the neglected epidemic: Stone lecture, 1985 America Trauma Society Meeting. Baker SP. **J Trauma** 1987 Apr; 27(4):343–8
The initial impact of AIDS on public health law in the United States—1986. Matthews GW, et al. **JAMA** 1987 Jan 16; 257(3):344–52 (125 ref.)
Reye's syndrome, salicylates, epidemiology, and public health policy [editorial] Mortimer EA Jr. **JAMA** 1987 Apr 10; 257(14):941
Health for all: some critics less critical. Turner J. **Lancet** 1986 Oct 4;2(8510):818–9
Would screening prevent the international spread of AIDS? Zuckerman AJ. **Lancet** 1986 Nov 22;2(8517):1208–9
Public health, welfare and the new constitution in Brazil. Guest C. **Med J Aust** 1986 Dec 1–15;145(11–12):649–51
Passive smoking and the public health—the winds of change are blowing [editorial] McMichael AJ. **Med J Aust** 1986 Oct 20;145(8):365–6
W(h)ither medical entomology? [editorial] Russell RC. **Med J Aust** 1987 Mar 2;146(5):233–4
The need for an international strategy to combat AIDS. Nelson LJ 3d. **Med Law** 1987;6(4):303–11
A Pacific view of war and health. Maddocks I. **Med War** 1986 Jul–Sep;2(3):195–7
The epidemic of AIDS: a failure of public health policy. Kuller LH, et al. **Milbank Q** 1986;64 Suppl 1:56–78
Premature mortality in the United States: public health issues in the use of years of potential life lost. **MMWR** 1986 Dec 19;35(2 Suppl):1S–11S
The impact of routine HTLV-III antibody testing on public health. National Institutes of Health Consensus Development Conference Statement. **Nat Inst Health Consensus Dev Conf Consensus Statement** 1986;6(5):1–9
Intestinal myiasis in a baby attending a public health clinic. North DE, et al. **Nurse Pract** 1987 May;12(5):60–3
Public health implications of HIV infection. Williams AB. **Nurse Pract** 1986 Oct;11(10):8–10, 19–24
State of health [editorial] **NZ Med J** 1986 Nov 12;99(813):848
AIDS—a practitioner's view. Gordon JN. **Ohio State Med J** 1986 Nov;82(11):721–3
AIDS—a public health crisis. Liskin L, et al. **Popul Rep [L]** 1986 Jul–Aug;(6):L193–228 (648 ref.)
Health for all and primary health care in Europe. Hellberg H. **Public Health** 1987 May;101(3):151–7
Public health management of meningococcal disease: indications from a one year national survey in Italy. Stroffolini T, et al. **Public Health** 1987 Jan;101(1):3–8
Surgeon General's report on acquired immune deficiency syndrome [editorial] Koop CE. **Public Health Rep** 1987 Jan–Feb;102(1):1–3
The prevention and control of chronic diseases: reducing unnecessary deaths and disability—a conference report. Mason JO, et al. **Public Health Rep** 1987 Jan–Feb; 102(1):17–20
Job achievements of Indian and non-Indian graduates in public health: how do they compare? Owens MV, et al. **Public Health Rep** 1987 Jul–Aug;102(4):372–6
Public health and food safety: a historical association. Wagstaff DJ. **Public Health Rep** 1986 Nov–Dec; 101(6):624–31
Seeking answers to the slowing progress in lowering infant mortality [editorial] Windom RE. **Public Health Rep** 1987 Mar–Apr;102(2):121–2
Adult immunization should be routine, too [editorial] Windom RE. **Public Health Rep** 1987 May–Jun; 102(3):245–7
An analysis of the de minimis strategy for risk management. Mumpower J. **Risk Anal** 1986 Dec;6(4):437–46
'Disease and development' or 'the underdevelopment of health': a critical review of geographical perspectives on African health problems. Stock R. **Soc Sci Med** 1986; 23(7):689–700
Alzheimer's disease in Texas: a public health perspective. Bernstein R. **Tex Med** 1987 Jan;83(1):7–8
Prevalence of asymptomatic bacteriuria in a West Virginia Health Department Clinic. Young E, et al. **W Va Med J** 1987 Jun;83(6):271–3
Smokeless tobacco: a public health challenge. Jones RB, et al. **Wis Med J** 1986 Dec;85(12):14–7
[Epidemiology and decision making in public health] Yu SZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Apr; 8(2):108–13 **(Chi)**
[The Hygiene Committee: 50 years. Health for the year 2000] **Ugeskr Laeger** 1986 Nov 10;148(46):2987–3107 **(Dan)**
[Veterinary Chief Inspection of Public Health. Rabies in bats] **Tijdschr Diergeneeskd** 1987 Jul 1;112(13):809–10 **(Dut)**
[The importance of health protection of the consumer in relation to veterinary drugs] Peters PW, et al. **Tijdschr Diergeneeskd** 1987 Apr 15;112(8):486–90 (Eng. Abstr.) **(Dut)**
[Professional secrets in the face of notebooks and health cards] René L. **Bull Acad Natl Med (Paris)** 1986 Nov; 170(8):1065–71 (Eng. Abstr.) **(Fre)**
[Illicit sales of drugs in Senegal. Consequences for community health] Fassin D. **Bull Soc Pathol Exot Filiales** 1986; 79(4):557–70 (Eng. Abstr.) **(Fre)**
[Lymphatic filariasis in Haiti: historical sequel or future public health problem in this geographic region?] Raccurt CP. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):745–54 (Eng. Abstr.) **(Fre)**
[Studies of bathing water for tub baths] Bodenschatz W. **Off Gesundheitswes** 1987 Jun;49(6):293–4 (Eng. Abstr.) **(Ger)**
[Prevention of iodine deficiency in routine care at a public health office] Frick W. **Off Gesundheitswes** 1987 May; 49(5):264–5 (Eng. Abstr.) **(Ger)**
[A possibility for introducing the health office to the public—the day of the open door] Hackländer-Förster C. **Off Gesundheitswes** 1987 Feb;49(2):112–3 **(Ger)**
[Microbiologic diagnosis of whooping cough at public health offices in West Germany—results of a survey] Hoppe JE, et al. **Off Gesundheitswes** 1986 Dec;48(12):648–50 (Eng. Abstr.) **(Ger)**
[Management of Turkish children and adolescents by the Public Health Service] König E, et al. **Off Gesundheitswes** 1986 Nov;48(11):614–7 (Eng. Abstr.) **(Ger)**
[Atypical mycobacteria—consequences for the public health service] Petersen KF. **Off Gesundheitswes** 1986 Sep; 48(9):500–4 (Eng. Abstr.) **(Ger)**
[Modern treatment of diabetes and its significance for forensic evaluation by physicians in the public health service] Petrides P. **Off Gesundheitswes** 1986 Nov;48(11):608–13 (Eng. Abstr.) **(Ger)**
[Drinking water legislation and its problems for the public health service] Pfau E. **Off Gesundheitswes** 1986 Dec; 48(12):662–5 (Eng. Abstr.) **(Ger)**
[Routine disinfection measures in community facilities] Schwedes J. **Off Gesundheitswes** 1987 Jun;49(6):302–4 (Eng. Abstr.) **(Ger)**
[The concept of "environment" and "environmental factors" in the context of prevailing health conditions] Grohs N, et al. **Sante Publique (Bucur)** 1987 Jan–Mar;30(1):19–24 **(Ger)**
[Prevention, public health and science] Abelin T. **Soz Praventivmed** 1986;31(4–5):190–1 **(Ger, Fre)**
[Health promotion on the federal level. Goals, structures and main effort of the section for the prevention of the Federal Department for Public Health] Ryser H. **Soz Praventivmed** 1986;31(4–5):207–12 (Eng. Abstr.) **(Ger)**
[Political public health measures and aspects in the control of HTLV-III infection] Steinbach M. **Verh Dtsch Ges Inn Med** 1986;92:343–5 **(Ger)**
[Status analysis of the public health aspects of city construction in inner city areas—methods, examples, results] Arlt G. **Z Gesamte Hyg** 1987 Apr;33(4):175–85 (Eng. Abstr.) **(Ger)**
[The city and health] Fiedler K. **Z Gesamte Hyg** 1987 Apr; 33(4):172–4 (Eng. Abstr.) **(Ger)**
[Imparting knowledge in the field of housing public health] Fiedler K. **Z Gesamte Hyg** 1987 Jun;33(6):292–3 (Eng. Abstr.) **(Ger)**
[Role of the Library and the Documentation Service of the Istituto Superiore di Sanità in the field of the National Health Service] Alberani V. **Ann Ist Super Sanita** 1986; 22(4):1223–7 **(Ita)**
[The Documentation Service of the Istituto Superiore di Sanità: the prerequisite for research activities] Magliola M. **Ann Ist Super Sanita** 1986;22(4):1315–7 **(Ita)**
[Hygienic and medical problems in military camps and their impact on the national community] Rotondo G. **Riv Med Aeronaut Spaz** 1984 Oct–Dec;51(4):33–42 (Eng.

Abstr.) (Ita)
[Present status and problems of mass screening—from the viewpoint of public health] Miyake K. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):515–9 (Jpn)
[Environmental factors in a health problem (editorial)] Ohara H. **Sangyo Igaku** 1987 Mar;29(2):97 (Jpn)
[Objectives of the medico-epidemiological service in government control of the environment] Fedorishin AP. **Gig Sanit** 1986 Aug;(8):19–22 (Eng. Abstr.) (Rus)
[The June (1986) Plenum of the USSR Central Committee and the objectives of public health science in the RSFSR] Shitskova AP. **Gig Sanit** 1986 Nov;(11):4–8 (Rus)
[The activities of the Uzbek Republic Society of Social Hygienists and Public Health Organizers] Agzamkhodzhaev SA, et al. **Sov Zdravookhr** 1987;(5):77–9 (Rus)
[Deontology for the health officer] Gasanov EG. **Sov Zdravookhr** 1986;(8):48–9 (Eng. Abstr.) (Rus)
[Strengthening the cooperation between the USSR and liberated nations in the field of public health] Gritsenko AS, et al. **Sov Zdravookhr** 1987;(1):49–53 (Rus)
[Social-hygiene problems of the family] Kamsiuk LG. **Sov Zdravookhr** 1987;(3):20–5 (Eng. Abstr.) (Rus)
[Health protection for the people is the highest constitutional principle] Kogan VL. **Sov Zdravookhr** 1986;(10):3–5 (Rus)
[The formulation and development of the problem of public health] Lisitsyn IuP, et al. **Sov Zdravookhr** 1987;(1):26–31 (Rus)
[Expert evaluation of the quality of medical publications] Shluger NA, et al. **Sov Zdravookhr** 1986;(9):44–8 (Eng. Abstr.) (Rus)
[An information system for managing public health in the Mongolian People's Republic] Sodnompil Ts. **Sov Zdravookhr** 1987;(2):61–2 (Rus)
[Formation and structure of Soviet documentary information flow in medicine and public health] Uvarenko AR, et al. **Sov Zdravookhr** 1986;(11):42–6 (Eng. Abstr.) (Rus)
[Public health: achievements and unsolved problems (statistics and facts)] **Voen Med Zh** 1987 May;(5):11–5 (Rus)
[Assistance to dietological public health organizations given by the Institute of Nutrition of the Academy of Medical Sciences of the USSR] Shevchenko MG. **Vopr Pitan** 1986 Jul–Aug;(4):74–5 (Rus)
[Information support for the introduction of the results of research efforts into public health practice] Arendarevskiĭ LF, et al. **Vrach Delo** 1987 Mar;(3):1–4 (Rus)
[Infestation by Pediculus humanus capitis: a current long-standing public health problem] Schenone H, et al. **Bol Chil Parasitol** 1986 Jan–Jun;41(1–2):16–20 (Eng. Abstr.) (Spa)
[Iron deficiency in childhood: a public health problem] Bello A. **Bol Med Hosp Infant Mex** 1987 Jun;44(6):307–8 (Spa)
[Theoretical model for research in public health] Frenk J, et al. **Bol Of Sanit Panam** 1986 Nov;101(5):477–92 (Eng. Abstr.) (Spa)
[Health care and medicine] **Gac Med Mex** 1985 Jul–Oct; 121(7–10):273–82 (Spa)
[Health and education: 2 fundamental aspects of national development (published erratum appears in Salud Publica Mex 1986 Sep–Oct;28(5):494)] Valdés Olmedo C, et al. **Salud Publica Mex** 1986 Jul–Aug;28(4):393–404 (Eng. Abstr.) (Spa)

ECONOMICS

Alcohol taxation as a public health policy: the New Zealand experience. Ashton T, et al. **Community Health Stud** 1987; 11(2):108–19
ADAMHA goes into high gear in the prevention, research, and treatment of drug and alcohol abuse [editorial] Macdonald DI. **Public Health Rep** 1987 Mar–Apr; 102(2):122–3
[Economic efficacy of hygienic recommendations in regional planning] Balatskiĭ OF, et al. **Gig Sanit** 1987 Feb;(2):16–8 (Eng. Abstr.) (Rus)
[Improvements in the teaching of public health economics] Ermakov VV, et al. **Sov Zdravookhr** 1986;(9):53–6 (Rus)
[Problems of economics and increasing the efficiency of public health] Roĭtman MP. **Sov Zdravookhr** 1987;(5):3–7 (Rus)
[Improvement in the economic mechanism of public health] Evseev VI, et al. **Vrach Delo** 1986 Aug;(8):1–5 (Rus)
[Determination of the economic effectiveness of medical science and public health] Matushchenko AG. **Vrach Delo** 1987 Mar;(3):4–7 (Rus)
[Economics and medicine] Ortún Rubio V. **Med Clin (Barc)** 1987 Mar 14;88(10):411–3 (Spa)

EDUCATION

Training child psychiatrists in rural public mental health. Petti TA, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):398–401
Second year medical student opinion about public health and a second year course in preventive medicine and community health. Imperato PJ, et al. **J Community Health** 1986 Winter;11(4):244–58
Training public health engineers in developing countries. Diamant BZ. **J R Soc Health** 1987 Feb;107(1):11–4, 18
[Further comment on the training of public health officers] Shepelin OP. **Gig Sanit** 1986 Dec;(12):63–4 (Rus)
[Training of physicians at the sanitary and hygienic departments of the medical institutes of the Russian S.F.S.R.] Shliapnikov N, et al. **Gig Sanit** 1986 Nov; (11):34–8 (Rus)
[Theoretical model of a specialist: bases of educational and methodical preparation in postgraduate training of medical entomologists] Chizhikov VA, et al. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):48–50 (Eng. Abstr.) (Rus)

HISTORY

Three regius professors, sanitary science, and state medicine: the birth of an academic discipline. Acheson RM. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1602–6
Public health and the production and use of diphtheria antitoxin in Philadelphia. Liebenau JM. **Bull Hist Med** 1987 Summer;61(2):216–36
Andrija Stampar and the concept of positive health. Seipp C. **Fam Med** 1987 Jul–Aug;19(4):291–5
Some reminiscences of a former medical officer of health and community medicine specialist with an interest in environmental health and communicable disease. Wilson TS. **Health Bull (Edinb)** 1987 May;45(3):119–24
The medicalization of French society at the end of the Ancien Régime. Goubert JP. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):157–79
Health services and the legitimation of the colonial state: British Malaya 1786–1941. Manderson L. **Int J Health Serv** 1987;17(1):91–112
Epidemiology and the public health movement. Terris M. **J Chronic Dis** 1986;39(12):953–61
Public health in pre-colonial east-central Africa. Waite G. **Soc Sci Med** 1987;24(3):197–208
[The Public Health Service in the Dutch East Indies; a look back] Hüsken-Nillissen HW, et al. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2356–60 (Dut)
[Socialistic awareness of history and the history of public health politics] Meyer B, et al. **Z Arztl Fortbild (Jena)** 1986; 80(21):917–9 (Ger)
[Robert Koch's discovery of the tuberculosis bacillus and its effect on the public health campaign of the German Social Democracy in the 19th century] Meyer B. **Z Gesamte Hyg** 1986 Dec;32(12):737–9 (Eng. Abstr.) (Ger)
[Who was the Surgeon General of Hont County 200 years ago, or was Veszprémi wrong?] Kiss L. **Orv Hetil** 1987 Aug 9;128(32):1688–9 (Hun)
[Centenary of the founding of the periodical Egészség] Szállási A. **Orv Hetil** 1987 Jun 14;128(24):1259–61 (Hun)
[András Fáy and public health in Hungary] Szállási A. **Orv Hetil** 1986 Dec 14;127(50):3070–2 (Hun)
[50 years of the Library of the Istituto Superiore di Sanità] Berruti MT. **Ann Ist Super Sanita** 1986;22(4):1163–6 (Ita)
[Role of Russian physicians in the growth of public health in the Fergana valley] Aliev MM. **Sov Zdravookhr** 1986; (9):73–4 (Rus)
[The public health of the Tiumen' region during World War II] Artiukhov SA. **Sov Zdravookhr** 1987;(1):58–60 (Rus)
[Development of public health and the training of medical personnel in Bashkiria] Kamalov MKh, et al. **Sov Zdravookhr** 1986;(10):62–5 (Rus)
["Pravda" and the health protection of the people] Mirskiĭ MB, et al. **Sov Zdravookhr** 1987;(5):64–7 (Rus)
[Public health in the city of Ivanovo during World War II] Nosova EA. **Sov Zdravookhr** 1986;(10):58–9 (Rus)
[Development of public health in Bulgaria] Pogorelov IaD, et al. **Sov Zdravookhr** 1986;(10):48–53 (Rus)
[The role of Lenin in the organization and development of Soviet public health] Potulov BM. **Voen Med Zh** 1987 Mar; (3):7–10 (Rus)
[Role of the State Control Vitamin Station of the Ministry of Public Health of the USSR during World War II] Shtenberg AI. **Vopr Pitan** 1987 May–Jun;(3):75–8 (Rus)
[The First National Congress of Public Health (Madrid, 1934) as validation of medico-social professionalization in Spain] Rodríguez Ocaña E, et al. **Rev Sanid Hig Publica (Madr)** 1986 Nov–Dec; 60(11–12):1095–107 (Eng. Abstr.) (Spa)

MANPOWER

[Effective use of the labor potential in public health] Evseev VI, et al. **Vrach Delo** 1987 May;(5):1–4 (Rus)

TRENDS

Public health: moving from debt to legacy. Foege WH. **Am J Public Health** 1987 Oct;77(10):1276–8
Setting objectives for public health. Breslow L. **Annu Rev Public Health** 1987;8:289–307 (27 ref.)
Healthy living: everyone's decision. **Bull Pan Am Health Organ** 1986;20(2):198–202
Public health strategies and political constraints. Cornwall JR. **Community Health Stud** 1986;10(4):452–6
Women and health: community development, its role in health: the future of public health research in Australia. Miller M. **Community Health Stud** 1986;10(4):417–8
Health objectives for the nation: moving toward the 1990s. Sorenson AW, et al. **J Am Diet Assoc** 1987 Jul;87(7):920–5
The future of communicable disease control: toward a new concept in public health law. Gostin L. **Milbank Q** 1986; 64 Suppl 1:79–96
New secretary of health stresses prevention [interview] Richards NM. **Pa Med** 1987 Jun;90(6):10, 12, 15–6
Review of the public health function. **Public Health** 1986 Nov;100(6):341–2
Suicide in America—moving up the public health agenda. McGinnis JM. **Suicide Life Threat Behav** 1987 Spring; 17(1):18–32
[Has public health care led to a decline in mortality?] Poikolainen K, et al. **Duodecim** 1987;103(2):73–8 (Fin)
[Model trials for community planning in public health] Neuhaus R, et al. **Off Gesundheitswes** 1986 Dec; 48(12):666–9 (Eng. Abstr.) (Ger)
[Public health and traditional medicine in Ethiopia] Werner R. **Off Gesundheitswes** 1987 Jan;49(1):36–40 (Eng. Abstr.) (Ger)
[Status of public health in social reproduction] Keck A. **Z Arztl Fortbild (Jena)** 1986;80(13):555–8 (Ger)
[The responsibility of state leaders of health services for implementation of comprehensive health protection] Zimmermann B. **Z Arztl Fortbild (Jena)** 1986;80(15):639–40 (Ger)
[The public health section of the new "Complex guidelines for urban planning and development of housing 1988–1990"] Fiedler K. **Z Gesamte Hyg** 1986 Dec;32(12):744–5 (Eng. Abstr.) (Ger)
[Public health aspects of city construction in sections according to the complex guideline for city planning and development of residential areas 1986–1990] Petzold H. **Z Gesamte Hyg** 1987 Apr;33(4):186–9 (Eng. Abstr.) (Ger)
[Development of public health in childhood and adolescence in East Germany] Schmidt-Kolmer E. **Z Gesamte Hyg** 1987 Feb;33(2):69–73 (Eng. Abstr.) (Ger)
[Socialism and health—social aspects of the health concept] Straass G. **Z Gesamte Hyg** 1987 Jan;33(1):2–5 (Eng. Abstr.) (Ger)
[Objectives and tasks of the Polish program "Health for all in the year 2000". Introduction to the content of the Governmental Commission report] Kryst L. **Pol Tyg Lek** 1987 Jan 6;42(1):3–5 (Pol)
[Public health—conditions, perspectives and the role of medical sciences (report of the 4th Problem-Solving Team)] Gibiński K. **Przegl Lek** 1986;43(10):638–46 (Pol)
[27th Congress of the CPSU and the tasks of the epidemiological health service of the USSR] Burgasov PN, et al. **Gig Sanit** 1986 Jul;(7):4–6 (Rus)
[Basic trends in the development of a theory of public health] Aleksandrov OA. **Sov Zdravookhr** 1986;(10):11–6 (Rus)
[A comprehensive approach to protecting the health of the population] Borodin IuI, et al. **Sov Zdravookhr** 1987; (5):8–11 (Eng. Abstr.) (Rus)
[Problems in the reorganization of public health] Chazov EI. **Sov Zdravookhr** 1987;(6):3–8 (Rus)
[Development of metrological support for public health to the year 2005] Grishin AN. **Sov Zdravookhr** 1986;(8):31–6 (Rus)
[Public health as a global problem of the contemporary world] Savel'ev MN, et al. **Sov Zdravookhr** 1987;(2):3–7 (Rus)
[Political, socio-economic factors and public health (review of foreign publications)] Savel'ev MN, et al. **Sov Zdravookhr** 1986;(12):48–53 (31 ref.) (Rus)
[Basic trends in the development of public health in Finland] Vartanian FE, et al. **Sov Zdravookhr** 1987;(5):56–60 (Rus)
[Tasks of public health in light of the decisions of the 27th Congress of the CPSU] Burenkov SP. **Ter Arkh** 1986; 58(6):3–7 (Rus)
[Social hygiene problems of accelerated scientific and technical progress] Shadimetov IuSh. **Vestn Akad Med Nauk SSSR** 1987;(3):3–8 (Rus)
[Under the banner of the Great October (editorial)] **Voen Med Zh** 1986 Oct;(10):3–6 (Rus)
[Social questions of the development of modern medicine and public health] Popov NV. **Vrach Delo** 1986 Dec; (12):1–5 (Rus)
[The 27th Congress of the CPSU on protecting and strengthening the health of the Soviet people] Vasil'eva IV, et al. **Vrach Delo** 1986 Sep;(9):1–4 (Rus)
[Changes in health care strategies in Costa Rica] Jaramillo Antillón J. **Bol Of Sanit Panam** 1987 Mar;102(3):217–26 (Eng. Abstr.) (Spa)

PUBLIC HEALTH ADMINISTRATION

see related
COMMUNITY HEALTH SERVICES

Clinicians' assessments of the service needs of young adult patients in public mental health care. Holcomb WR, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):908–13
Substance abuse in Iowa—a standing report. Zwick JK, et al. **Iowa Med** 1986 Nov;76(11):539–40
The profession's role in health care administration. Farrelly T. **Ir Med J** 1987 May;80(5):136–8
Planning for the AIDS epidemic: public health control measures and the provision of patient care. DeHovitz JA. **J Community Health** 1986 Winter;11(4):215–8
Managing the workload in state mental hospitals. Ermutlu IM. **J Med Assoc Ga** 1987 Jul;76(7):527–9
Toward a national medical care system: IV. Administrative

structure. **J Public Health Policy** 1987 Spring;8(1):7–9
The integration of public health in hospitals: the case of community health departments in Quebec. Pineault R, et al. **J Public Health Policy** 1986 Autumn;7(3):314–23
Surveillance of medical technologies. Thacker SB, et al. **J Public Health Policy** 1986 Autumn;7(3):363–77
Public health function. Stewart GT. **Lancet** 1987 Mar 28; 1(8535):734–6
Health screening of immigrants [letter] Langley AJ, et al. **Med J Aust** 1987 Apr 20;146(8):449
Medical indigency and the public health care crisis. The need for a definitive solution. Nutter DO. **N Engl J Med** 1987 Apr 30;316(18):1156–8
Use of a compliance index for community fluoridation. Kuthy RA, et al. **Public Health Rep** 1987 Jul–Aug;102(4):415–20
[Crisis and challenges in the public health system] Michaeli D. **Harefuah** 1986 Nov 16;111(10):342–5 **(Heb)**
[Research and the national health service (letter)] Coen D. **Recenti Prog Med** 1986 Sep;77(9):446 **(Ita)**
[Role of efficiency in making decisions in the field of public health management] Strnad L. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(4):481–501 (Eng. Abstr.) **(Rus)**
[Role of the sanitary-epidemiologic service in formulating plans for socioeconomic development] Chertkov MD, et al. **Sov Zdravookhr** 1987;(1):8–11 **(Rus)**
[Organizational problems of information services in provincial (territorial) public health branches] Frolov VA. **Sov Zdravookhr** 1986;(8):46–8 (Eng. Abstr.) **(Rus)**
[Public opinion concerning the performance of public health institutions] Guotkh Z. **Sov Zdravookhr** 1986;(11):51–3 **(Rus)**
[Workers' letters as a source of information for the public health organizer] Kiselev IuP, et al. **Sov Zdravookhr** 1986; (11):40–1 (Eng. Abstr.) **(Rus)**
[Evaluation of the quality of undergraduate training in social hygiene and public health administration in medical schools and ways of improving it] Meleshko VP. **Sov Zdravookhr** 1987;(3):54–7 **(Rus)**
[Various unresolved matters in the annual mass screening of adolescents in a large city] Poliakov IV, et al. **Sov Zdravookhr** 1987;(3):8–11 (Eng. Abstr.) **(Rus)**
[Current problems in the postgraduate education of management personnel for public health planning and administration] Pustovoi IV, et al. **Sov Zdravookhr** 1987; (3):50–4 **(Rus)**
[Business games—a form of active training of organizers] Rudnev AS, et al. **Sov Zdravookhr** 1986;(11):47–50 (Eng. Abstr.) **(Rus)**
[Analysis of the flow of Soviet publications on social hygiene and public health organization] Rytvinskiĭ SS, et al. **Sov Zdravookhr** 1986;(11):35–9 **(Rus)**
[The objectives and development of sanitaro-epidemiologic services] Saak'iants EM, et al. **Sov Zdravookhr** 1986; (12):9–11 (Eng. Abstr.) **(Rus)**
[Research and development, the first responsibility of the Secretariat of Health] **Gac Med Mex** 1985 Nov–Dec; 121(11–12):309–15 **(Spa)**

HISTORY

A historical overview of the ministries of public health and the medical programs of the social security systems in Latin America. Marquez PV, et al. **J Public Health Policy** 1986 Autumn;7(3):378–94
[Protection of the health of children and adolescents in the 1st years of Soviet power] Fedoseev AS, et al. **Gig Sanit** 1986 Sep;(9):42–4 **(Rus)**
[Triage evacuation hospitals of the People's Commissariat of Public Health in the Azerbaijan SSR during World War II] Akhmedov AA, et al. **Sov Zdravookhr** 1987;(2):63–4 **(Rus)**
[Zemstvo medicine in western Kazakhstan] Dushmanov SKh. **Sov Zdravookhr** 1987;(4):68–71 **(Rus)**
[Operations of the Communist Party of the Soviet Union in public health administration during World War II (1941–1945)] Zhukova LA. **Sov Zdravookhr** 1987;(7):59–61 **(Rus)**

LEGISLATION & JURISPRUDENCE

California puts AIDS quarantine plan to a vote. McCormick B. **Hospitals** 1986 Oct 20;60(20):96
Public health professionals and legal liability: from police officer to policed. Kapp MB. **Med Law** 1986;5(5):379–85
The Los Angeles solution. Merewitz SG. **Public Health Rep** 1986 Sep–Oct;101(5):486–7

MANPOWER

[Organization of the work of child and adolescent health specialists at the Krasnodon Municipal Sanitary and Epidemiological Station] Chernykh OV, et al. **Gig Sanit** 1987 May;(5):75–7 **(Rus)**
[Management staff of primary public health units] Manulik AV, et al. **Sov Zdravookhr** 1986;(8):59–62 **(Rus)**

STANDARDS

A performance-based management system to reduce prematurity and low birth weight. Kotch JB, et al. **J Med Syst** 1986 Aug;10(4):375–94
[A further note on the administrative and legal principles of the activities of sanitaro-epidemiologic stations] Gasanov EG. **Gig Sanit** 1987 Jun;(6):62–3 **(Rus)**
[The National Institute of Health quality control program. III. Follow-up studies (phase 3)] Loria A. **Rev Invest Clin** 1986 Oct–Dec;38(4):435–40 (Eng. Abstr.) **(Spa)**

TRENDS

Alaska state hepatitis B program—past, present and future. Tower EA. **Alaska Med** 1987 Jan–Mar;29(1):1–8
Rethinking public ambulatory care in America. Mullan F. **N Engl J Med** 1987 Feb 26;316(9):544–7
[Urgent problems of social hygiene and public health organization] Lisitsyn IuP. **Sov Zdravookhr** 1986;(12):3–8 **(Rus)**
[Let us improve the style of public health management] Platukis II. **Sov Zdravookhr** 1986;(10):6–11 **(Rus)**
[Effective use of the labor potential in public health] Evseev VI, et al. **Vrach Delo** 1987 May;(5):1–4 **(Rus)**
[Socialist competition among the research institutes of the Ministry of Health of the UkrSSR] Pasechnik SI, et al. **Vrach Delo** 1987 Jun;(6):1–4 **(Rus)**

PUBLIC HEALTH DENTISTRY

see related
HEALTH EDUCATION, DENTAL

Forensic aspects of community dentistry. Brown KA. **Ann Acad Med Singapore** 1986 Jul;15(3):414–7
CDS: epidemiology and treatment of client groups 'unwanted' by other services [letter] Gelbier S. **Community Dent Health** 1987 Jun;4(2):195–6
Abstracts. American Association of Public Health Dentistry. 49th annual meeting. Bal Harbour, Florida, October 15–18, 1986. **J Public Health Dent** 1987 Winter;47(1):32–60
Update on Australia. Dunning JM. **J Public Health Dent** 1987 Summer;47(3):143–4
Introduction of Walter J. Pelton. Recipient of the John W. Knutson award in dental public health. Smith QM. **J Public Health Dent** 1987 Winter;47(1):19–23
[Community strategy for preventing periodontal disease] Strohmenger L, et al. **Minerva Stomatol** 1986 Sep; 35(9):791–7 (Eng. Abstr.) **(Ita)**

ECONOMICS

Estimating the costs of public dental programmes: mobile clinics. Doherty NJ, et al. **Community Dent Health** 1987 Jun;4(2):151–6

EDUCATION

Preparing dental hygiene students for community dental health—an interagency approach. Zier B, et al. **Can Dent Assoc J** 1987 Mar;53(3):187–9
Curriculum guidelines on community dentistry for predoctoral dental students. **J Dent Educ** 1987 Apr; 51(4):198–202
Didactic community dentistry curricula in U.S. dental schools. Cunningham MA. **J Dent Educ** 1987 May; 51(5):233–7

HISTORY

Badges of the dental profession. Community Dental Services Group. Hancocks SA. **Br Dent J** 1987 Jul 25;163(2):64

TRENDS

The future role of the community dental service in the UK. Clewett JA. **Community Dent Health** 1986 Dec;3(4):329–31
Presidential address to the British Association for the Study of Community Dentistry, Glasgow, March 1986. Past and future changes in the nation's dental health. McKechnie R. **Community Dent Health** 1986 Sep;3(3):251–3
Public health dentistry: planning for the future. Beck JD. **J Public Health Dent** 1987 Winter;47(1):26–30

PUBLIC HEALTH NURSING

Strategic planning in home care. Daubert E. **Am J Nurs** 1987 Sep;87(9):1161–3
The St. Anthony Park Block Nurse Program [news] Jamieson M, et al. **Am J Public Health** 1987 Sep;77(9):1227–8
Social problems encountered by public health nurses: identification and response differences according to education and experience. Vincent P, et al. **J Nurs Educ** 1987 Apr;26(4):144–9
Are we giving away the store to home health agencies? [editorial] Anderson EH. **J Prof Nurs** 1985 Nov–Dec; 1(6):319–20
Public health nursing requires grassroots activism [letter] Eastman MA. **Nurs Outlook** 1987 Mar–Apr;35(2):96
Family as the focus of nursing care [letter] Erickson GP. **Public Health Nurs** 1987 Jun;4(2):128
Research among Haitian village women: implications for the nurse's role in health education. Gustafson MB. **Public Health Nurs** 1986 Dec;3(4):250–6
Public health nursing model for contact follow-up of patients with pulmonary tuberculosis. Kellogg B, et al. **Public Health Nurs** 1987 Jun;4(2):99–104
The district nurse and the district physician in health care teams. An analysis of the content of primary health care. Ejlertsson G, et al. **Scand J Prim Health Care** 1987 May; 5(2):73–8
[Cooperation between the family physician and agencies for nursing care] Eschmann P. **Ther Umsch** 1986 Aug; 43(8):663–6 (Eng. Abstr.) **(Ger)**

EDUCATION

Arthritis care in older-adult centers. A controlled study of an education program for public health nurses. Mazzuca SA, et al. **Arthritis Rheum** 1987 Mar;30(3):275–80
Nutrition applications in public health nursing: a survey of needs and preferences of public health nurses for continuing education in nutrition. Sabry JH, et al. **Can J Public Health** 1987 Jan–Feb;78(1):51–6
An evaluation of consistency in baccalaureate public health nursing education. Blank JJ, et al. **Public Health Nurs** 1986 Sep;3(3):171–82

HISTORY

The Queen's Nursing Institute: 1887–1987. Smith JP. **J Adv Nurs** 1987 May;12(3):265–6
Insights from the past. Monteiro LA. **Nurs Outlook** 1987 Mar–Apr;35(2):65–9
The Simmons-Harvard Graduate Program in Public Health Nursing, 1953–1961: an experiment in nursing education. Golden J, et al. **Public Health Nurs** 1987 Jun;4(2):123–7
The family as the unit of care in nursing: a historical review. Whall AL. **Public Health Nurs** 1986 Dec;3(4):240–9

INSTRUMENTATION

Use of the public health nursing bag reexamined. Posey SC, et al. **Public Health Nurs** 1987 Jun;4(2):111–3

PUBLIC HEALTH SERVICE (U.S.) see **UNITED STATES PUBLIC HEALTH SERVICE**

PUBLIC HOUSING

The congregate housing services program: an analysis of service utilization and cost. Ruchlin HS, et al. **Gerontologist** 1987 Feb;27(1):87–91
Aging of tenants: termination policy in public senior housing. Sheehan NW. **Gerontologist** 1986 Oct;26(5):505–9
Homesharing and congregate housing. State initiatives. Muller C. **Res Aging** 1987 Jun;9(2):163–81

PUBLIC OPINION

see related
ATTITUDE TO HEALTH

Public perceptions regarding the AIDS epidemic: selected results from a national poll. Bausell RB, et al. **AIDS Res** 1986 Summer;2(3):253–8
Nursing home myths. Retsinas J. **Am Fam Physician** 1987 Apr;35(4):205–10
Respect and commitment in emergency medicine [editorial] Lowe RA, et al. **Am J Emerg Med** 1987 Mar;5(2):174–6
The physician's image and options: 1987. Webster JR Jr. **Am J Med** 1987 Jul;83(1):123–6
The role of public opinion polling in health legislation. Perlstadt H, et al. **Am J Public Health** 1987 May; 77(5):612–4
Physicians' and the public's attitudes on communication about death. Viswanathan R, et al. **Arch Intern Med** 1986 Oct; 146(10):2029–33
Attitudes towards oocyte and embryo donation and disposal. Burton B, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov; 26(4):304–8
Status of drugs-of-abuse testing in urine: An AACC study. Frings CS, et al. **Clin Chem** 1987 Sep;33(9):1683–6
It's time to take the initiative [editorial] Habig RL. **Clin Chem** 1987 Sep;33(9):1682
Laypeople's attitudes toward drug treatment for behavioral control depend on which disorder and which drug. Summers JA, et al. **Clin Pediatr (Phila)** 1987 May; 26(5):258–63
Public awareness of two dental health campaigns with different marketing strategies. Kraft P, et al. **Community Dent Health** 1986 Dec;3(4):321–8
Opinions about water fluoridation in Norwegian adults. Rise J, et al. **Community Dent Health** 1986 Dec;3(4):313–20
The public image of suicide: attitudes toward suicide and mental illness. Ruiz Ruiz M, et al. **Crisis** 1986 Sep;7(2):84–8
Is there a public need? [editorial] Marsland DW, et al. **Fam Med** 1986 Jul–Aug;18(4):187–8
The abortion issue in the 1984 elections. Granberg D. **Fam Plann Perspect** 1987 Mar–Apr;19(2):59–62
Congressional perceptions of the elderly: the use of stereotypes in the legislative process. Lubomudrov S. **Gerontologist** 1987 Feb;27(1):77–81
Most Americans agreeable to health cost controls. Byers E, et al. **Hospitals** 1986 Nov 20;60(22):43
Americans say U.S. health care good—but costly. Byers E, et al. **Hospitals** 1986 Nov 5;60(21):46–7
Public's concern about benefits for elderly rises. Byers E, et al. **Hospitals** 1986 Dec 5;60(23):41
Donahue of FAHS: "time for Defense to cut fat".Nelson S. **Hospitals** 1987 May 5;61(9):94, 96
Public opinion says hospitals' image unchanged. Powills S. **Hospitals** 1986 Dec 20;60(24):50
Health workers with AIDS: public wants to know. Steiber S. **Hospitals** 1987 Jul 5;61(13):71
Public opinion divided on surrogate parenting. Steiber S.

Hospitals 1987 Aug 5;61(15):114
Indigent care: public wants government to pay. Steiber S. **Hospitals** 1987 Oct 5;61(19):152
Public supports transplants, but who should pay? Steiber S. **Hospitals** 1987 Sep 5;61(17):86
Public trusts genetic engineering treatment. Steiber S. **Hospitals** 1986 Nov 5;60(21):94
Public holds low opinions of nursing home care. Steiber S. **Hospitals** 1986 Dec 5;60(23):78
Public supports AIDS education, research. Steiber S. **Hospitals** 1987 Jan 5;61(1):67
Hospital advertising okayed by 62% of public. Steiber S. **Hospitals** 1987 Apr 5;61(7):81
AIDS ranked as number-one U.S. health problem. Steiber SR. **Hospitals** 1987 May 5;61(9):104
What's an HMO? 51% of respondents don't know. Steiber SR. **Hospitals** 1987 Feb 5;61(3):78
Right to die: public balks at deciding for others. Steiber SR. **Hospitals** 1987 Mar 5;61(5):72
Organ transplantation [interview] Jonasson O. **IMJ** 1987 May;171(5):301–7
Opinions about hypnosis and self-hypnosis before and after hypnotic testing. McConkey KM. **Int J Clin Exp Hypn** 1986 Oct;34(4):311–9
Dentistry and the media [letter] Wolfson H. **J Am Dent Assoc** 1987 May;114(5):578
Receptivity and planned change: community attitudes and deinstitutionalization. Wilmoth GH, et al. **J Appl Psychol** 1987 Feb;72(1):138–45
A comprehensive survey of Kentuckians opinions toward medical liability insurance. **J Ky Med Assoc** 1987 Jul; 85(7):401–6
Views of Louisiana pharmacists on advertisement of prescription drugs. Iyriboz Y. **J La State Med Soc** 1987 Jun;139(6):47–9
Democratic expression of public opinion on animal experimentation. Weber H. **J Med Primatol** 1986; 15(6):379–89
Factor structure of Calhoun's Youth Suicide Scale. Range LM, et al. **J Pers Assess** 1987 Summer;51(2):262–6
What's fair is fair—or is it? Value differences underlying public views about social justice. Rasinski KA. **J Pers Soc Psychol** 1987 Jul;53(1):201–11
Soviet–American cooperation: a physician's perspective. Remarks to the annual meeting of Physicians for Social Responsibility/USA. Lown B. **J Public Health Policy** 1987 Spring;8(1):10–27
Public opinions about alcoholism and its treatment. Caetano R. **J Stud Alcohol** 1987 Mar;48(2):153–60
Proving Planck wrong. A perspective on the new biotechnology. Miller HI, et al. **JAMA** 1987 May 1; 257(17):2334
As others see us. Shochet BR. **Md Med J** 1986 Dec; 35(12):999–1000
Coping with AIDS. Best J. **Med J Aust** 1986 Dec 1–15; 145(11–12):612–3
Public opinion about smoking in restaurants and at work [letter] Hill D. **Med J Aust** 1986 Dec 1–15;145(11–12):657–8
First Committee of the UN General Assembly, 17 October 1984. Butler R. **Med War** 1985 Jan–Apr;1(1):71–3
Smokers' wording preferences for hospital no-smoking signs. Kottke TE, et al. **Minn Med** 1986 Sep;69(9):531–3
The stigma of mental illness. Flynn LM. **New Dir Ment Health Serv** 1987 Summer;(34):53–60
Electro-convulsive therapy [letter] Shenkin L. **NZ Med J** 1987 Jan 28;100(816):23
The public perception of science (1) [editorial] Gregory RL. **Perception** 1986;15(3):231–3
The public perception of science (2) [editorial] Gregory RL. **Perception** 1986;15(4):369–72
Back to Hippocrates: the physician's role as central to medicine. Fischer JE. **Pharos** 1987 Winter;50(1):36–9
Transformation of society's beliefs is goal of animal rights movement. Samuels WM. **Physiologist** 1986 Jun;29(3):43–4
What people think of plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1987 Aug;80(2):294–5
Dream work and the general public. Ullman M. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):103–8
Radiological health attitudes of college students. Weinstein RD. **Radiol Technol** 1978 Nov–Dec;50(3):259–63
Public distrust and hazard management success at the Rocky Flats nuclear weapons plant. Hohenemser C. **Risk Anal** 1987 Jun;7(2):243–59
Public opinion on the ambulance service in a rural and an urban region. Dahlgren BE, et al. **Scand J Soc Med** 1986; 14(3):119–22
Public awareness of AIDS in Rwanda. Feldman DA, et al. **Soc Sci Med** 1987;24(2):97–100
Public approval of suicide: a situational analysis. Singh BK, et al. **Suicide Life Threat Behav** 1986 Winter;16(4):409–18
[Views of citizens on the level of health care provided based on the results of public opinion research in Czechoslovakia 1985] Purkrábek M, et al. **Cesk Zdrav** 1986 Sep; 34(8–9):325–35 (Eng. Abstr.) **(Cze)**
[Public organization of feelings and nuclear threat. On the political psychology of war and freedom] König H. **Psyche (Stuttg)** 1987 Jul;41(7):577–95 (Eng. Abstr.) **(Ger)**
[How Der Spiegel represents psychoanalysis] Scholz R. **Psyche (Stuttg)** 1987 May;41(5):457–63 **(Ger)**
[Evaluation of complaints about public nuisances as regional environmental indices] Hori Y, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):807–16 (Eng. Abstr.) **(Jpn)**
[Public opinion concerning the performance of public health institutions] Guotkh Z. **Sov Zdravookhr** 1986;(11):51–3 **(Rus)**
[Social violence and mental illness: the lesson and example of the Hinckleys] López-Ibor Aliño JJ. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Sep–Oct;14(5):362–8 (Eng. Abstr.) **(Spa)**

PUBLIC POLICY

The highway transportation system as a commons: implications for risk policy. Waller PF. **Accid Anal Prev** 1986 Oct;18(5):417–24
Public policy and automobile occupant restraint: an economist's perspective. Warner KE. **Accid Anal Prev** 1987 Feb;19(1):39–50
Senate resolution on AIDS [editorial] **Am Fam Physician** 1987 Jul;36(1):93
Benzene: evaluation of control measures not competitive with basic research requirements [letter] Mehlman MA. **Am J Ind Med** 1987;11(5):604
Brief therapy and reagapeutics [letter] Parad HJ. **Am J Orthopsychiatry** 1987 Jul;57(3):458–9
A public policy for the long-term mentally ill: a positive alternative to reinstitutionalization. Pepper B. **Am J Orthopsychiatry** 1987 Jul;57(3):452–7
Adolescent abortion. Psychological perspectives on public policy. Melton GB, et al. **Am Psychol** 1987 Jan;42(1):69–72
An analysis of the liability insurance crisis. Stimpson M, et al. **ANS** 1987 Apr;9(3):72–9
Data Note—6. The U.K. alcohol and tobacco industries. Booth M, et al. **Br J Addict** 1986 Dec;81(6):825–30
Let's come out of the closet. Plant M. **Br J Addict** 1986 Aug;81(4):447–9
A drug policy for our times. Nahas GG, et al. **Bull Narc** 1986 Jan–Jun;38(1–2):3–14
The ebb and flow of physician migration: America needs a new policy. Asper SP. **Bull NY Acad Med** 1986 Dec; 62(10):980–7
Smoking control by-laws: a need for coherence. Jensen NB. **Can J Public Health** 1987 Mar–Apr;78(2):115–8
Social policy, research on aging and aged care in Australia. Hicks N. **Community Health Stud** 1986;10(3 Suppl):1s–6s
The Commonwealth Department of Health Smoke-Free Workplace Policy. McKay BV, et al. **Community Health Stud** 1987;11(1 Suppl):3s–5s
Polygraph. AMA Council on Scientific Affairs. **Conn Med** 1986 Nov;50(11):761–5
Impediments to implementing national policy change for mildly handicapped students. Hagerty GJ, et al. **Except Child** 1987 Jan;53(4):315–23
Lack of focus on special education in literature on educational reform. Lilly MS. **Except Child** 1987 Jan; 53(4):325–6
New agendas for special education policy: what the national reports haven't said. Pugach M, et al. **Except Child** 1987 Jan;53(4):295–9
The national education reports and special education: implications for students. Sapon-Shevin M. **Except Child** 1987 Jan;53(4):300–6
Survey research guiding public policy making in Maryland: the case of Alzheimer's disease and related disorders. Reichel W, et al. **Exp Gerontol** 1986;21(4–5):439–48
Impacts of fisheries policy. Kent G. **Food Nutr (Roma)** 1986; 12(2):32–5
Title III of the Older Americans Act: an analysis and proposal for the 1987 reauthorization. Binstock RH. **Gerontologist** 1987 Jun;27(3):259–65
The "revolution' in Australian retirement income policy. Borowski A. **Gerontologist** 1987 Aug;27(4):478–86
The Donald P. Kent memorial lecture. Strategic planning: the catastrophic approach. Brody SJ. **Gerontologist** 1987 Apr;27(2):131–8
Aging of tenants: termination policy in public senior housing. Sheehan NW. **Gerontologist** 1986 Oct;26(5):505–9
Challenges in long-term care policy. Mechanic D. **Health Aff (Millwood)** 1987 Summer;6(2):22–34
On adolescent parenthood and public policy. Nathanson CA. **Health Educ Q** 1987 Summer;14(2):v–vii
Swedish limitation schemes to decrease Rn daughters in indoor air. Swedjemark GA. **Health Phys** 1986 Nov; 51(5):569–78
Organ transplants: the need for rational policies [editorial] Annas GJ. **Hosp Pract [Off]** 1986 Sep 30;21(9A):7, 10, 15
Privatization: a big word for a helpful concept. Walls JW. **Indiana Med** 1987 Jul;80(7):614
Drug abuse social policy in the United States and Israel: a comparative sociological perspective. Ben-Yehuda N. **Int J Addict** 1987 Jan;22(1):17–45
Sociopolitics or social policy: Bulgarian welfare in transition? Deacon B. **Int J Health Serv** 1987;17(3):489–514
"Generational equity" and the new victim blaming: an emerging public policy issue. Minkler M. **Int J Health Serv** 1986;16(4):539–51
Cancer, diet, and public policy. Miller SA, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:305–21 (37 ref.)
Current and future policies regarding laboratory animal welfare. Rozmiarek H. **Invest Radiol** 1987 Feb;22(2):175–9
Community health centers and the elderly: a potential new alliance. Wood JB, et al. **J Community Health** 1986 Summer;11(2):137–46
Primary care and public policy: the Florida experience. Clarke GJ. **J Fla Med Assoc** 1987 Apr;74(4):269–78
Policy implications of private sector involvement in correctional services and programs. Johnson TA. **J Forensic Sci** 1987 Jan;32(1):221–4
Federal policy for biomedical and behavioral research [editorial] Brandt EN Jr. **J Med Educ** 1986 Dec;61(12):990
Telematics in the future of health care delivery: implications for nursing. Milio N. **J Prof Nurs** 1986 Jan–Feb;2(1):39–50
Public policy and the conservatives, traditionals, and influentials. Scearse PD. **J Prof Nurs** 1987 May–Jun; 3(3):132, 190
Health education and public policy. Service A. **J R Soc Med** 1986;79 Suppl 13:11–3
Seat belt legislation in Britain. MacKay M. **J Trauma** 1987 Jul;27(7):759–62
Government policies toward tobacco growing promote health [letter] Leigh JP, et al. **JAMA** 1987 Jul 24–31; 258(4):471
Decision analysis, public policy, and pertussis: are they compatible? [editorial] Koplan JP, et al. **Med Decis Making** 1987 Apr–Jun;7(2):71–3
The new Victors: a progressive policy analysis of work reform for people with very severe handicaps. Ferguson DL, et al. **Ment Retard** 1986 Dec;24(6):331–8
National survey of state-sponsored training for residential direct-care staff. Knowles M, et al. **Ment Retard** 1986 Oct; 24(5):293–300
Public policy and professional behavior [published erratum appears in Ment Retard 1986 Dec;24(6):384] Turnbull HR 3d. **Ment Retard** 1986 Oct;24(5):265–75
On cogency, professional bias, and public policy: an assessment of four views of the injury problem. Linder SH. **Milbank Q** 1987;65(2):276–301
Hazard pay in unsafe jobs: theory, evidence, and policy implications. Robinson JC. **Milbank Q** 1986;64(4):630–77
Highway violence and public policy [editorial] Foege WH. **N Engl J Med** 1987 May 28;316(22):1407–8
Defining nursing: a historic controversy. Schlotfeldt RM. **Nurs Res** 1987 Jan–Feb;36(1):64–7
Local policy responses to the AIDS epidemic: New York and San Francisco. Arno PS, et al. **NY State J Med** 1987 May;87(5):264–72
The North American Society of Pacing and Electrophysiology and recommendations for public policy [editorial] Furman S. **PACE** 1987 Jul;10(4 Pt 1):787
Policy statement: the clinical investigation of implantable antitachycardia devices. Saksena S, et al. **PACE** 1987 Jul; 10(4 Pt 1):788–93
Psychiatric aspects of nuclear war. Richter HE. **Prev Med** 1987 May;16(3):334–41
Overview of research on women in medicine—issues for public policymakers. Bowman M, et al. **Public Health Rep** 1986 Sep–Oct;101(5):513–21 (41 ref.)
Scienceless to homeless [editorial] Wyatt RJ, et al. **Science** 1986 Dec 12;234(4782):1309
Social policy and everyday life in nursing homes: a critical ethnography. Diamond T. **Soc Sci Med** 1986; 23(12):1287–95
The relationships between public and private pension schemes: an introductory overview. Horlick M. **Soc Secur Bull** 1987 Jul;50(7):15–24
The contribution of social science research to population policy and family planning program effectiveness. Freedman R. **Stud Fam Plann** 1987 Mar–Apr;18(2):57–82
Gerontological research and science management and policy in the Netherlands. van den Heuvel WJ, et al. **Tijdschr Gerontol Geriatr** 1987 May;18(2A):158–64
[Public policy on animal experiments (letter)] **Ned Tijdschr Geneeskd** 1986 Sep 20;130(38):1719–21 **(Dut)**
[On the road to health management; the recommendation by the Dekker Commission] Roscam Abbing HD. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1136–40 **(Dut)**
[Current questions of borderline areas between psychiatry and social policy] Szilárd J, et al. **Orv Hetil** 1986 Dec 21; 127(51):3125–8 (Eng. Abstr.) **(Hun)**
[Social questions of the development of modern medicine and public health] Popov NV. **Vrach Delo** 1986 Dec; (12):1–5 **(Rus)**
[Antibiotic policy] **Med Clin (Barc)** 1987 Apr 4;88(13):547–51 **(Spa)**

LEGISLATION & JURISPRUDENCE

Factors supporting the growth of grass-roots coalitions for effective occupational health policies. Mirer FE. **J Public Health Policy** 1986 Autumn;7(3):355–62

PUBLIC RELATIONS

Public relations for pharmacy [editorial] Zellmer WA. **Am J Hosp Pharm** 1987 Feb;44(2):293–4
Selling a career that starts with care [editorial] Mallison MB. **Am J Nurs** 1986 Oct;86(10):1091
Planning, publicizing OR Nurse Day: a personal experience. Thomas ML. **AORN J** 1986 Oct;44(4):621, 623–4
A little more humility, please. Waugh D. **Can Med Assoc J** 1987 Jan 1;136(1):59
Marketing and public relations in the emergency department.

Mayer TA, et al. **Emerg Med Clin North Am** 1987 Feb; 5(1):83–102

Hospital study reveals strategies for improving media relations. Fitzgerald PE Jr, et al. **Health Care Manage Rev** 1987 Spring;12(2):51–9

Proact—don't react—to PRO data disclosure. Powills S. **Hospitals** 1986 Oct 20;60(20):60

Reporters look for candor from hospital officials. Powills S. **Hospitals** 1986 Nov 5;60(21):60

A little TLC goes a long way in Oklahoma hospitals. Powills S. **Hospitals** 1986 Nov 5;60(21):64, 69

Communicating science to the public [letter] Leese HJ. **Hum Reprod** 1986 Nov;1(7):495

IMJ interview: Medicine meets the media. **IMJ** 1987 Feb; 171(2):87–93

Biomedical communication: the next chapter. Boutwell B, et al. **J Biocommun** 1987 Spring;14(2):4–6

Lessons of Chernobyl: SNM members try to decontaminate world threatened by fallout. Part II. Ketchum LE. **J Nucl Med** 1987 Jun;28(6):933–42

Using public relations to market nursing service. Camuñas C. **J Nurs Adm** 1986 Oct;16(10):26–30

Recruiting for nursing: whose responsibility? [editorial] Wohlert H. **J Obstet Gynecol Neonatal Nurs** 1987 May–Jun;16(3):155–6

One-minute medicine [editorial] Dan BB. **JAMA** 1987 May 22–29;257(20):2798

A duty to warn [letter] **Nurs Outlook** 1987 Jan–Feb;35(1):8–9

Disclosure or silence on impaired practice? [letter] **Nurs Outlook** 1987 Jan–Feb;35(1):9

Media for all seasons. Smith DB. **NZ Dent J** 1986 Oct; 82(370):151–3

Selling abatement programs requires honesty, openness. Burkhart CH. **Occup Health Saf** 1987 Jan;56(1):52–5

Public relations and the malpractice crisis. **RI Med J** 1986 Aug;69(8):357–9

"Friends" dance for Library of Medicine [news] Culliton BJ. **Science** 1986 Dec 19;234(4783):1493

[Ephemeris 1984] Amalric P. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1307–10 (Eng. Abstr.) **(Fre)**

[A possibility for introducing the health office to the public—the day of the open door] Hackländer-Förster C. **Off Gesundheitswes** 1987 Feb;49(2):112–3 **(Ger)**

PUBLISHING

The search for the masterful figure [editorial] Roberts WC. **Am J Cardiol** 1987 Sep 1;60(7):633–4

Exaggerated titles for scientific articles: a new vogue [letter] Austin JH. **Am Rev Respir Dis** 1987 Sep;136(3):789

The trend toward increased use of statistics in published orthodontic articles. Rinchuse D, et al. **Angle Orthod** 1986 Oct;56(4):294–8

Volume: papers and academic promotion [editorial] Stossel TP. **Ann Intern Med** 1987 Jan;106(1):146–9

The British Council: publishing and book promotion. Kemp I. **Ann Ist Super Sanita** 1986;22(4):1305

The state of the ARCHIVES [editorial] Arndt KA. **Arch Dermatol** 1987 Jan;123(1):37–8

MEDIS: a new strategic option for acquiring medical information—electronically [editorial] Harris DK. **Arch Surg** 1986 Oct;121(10):1113

On the scope of the science of biorheology and the aims of BIORHEOLOGY [editorial] Silberberg A, et al. **Biorheology** 1986;23(4):307–9

In the BJS now [editorial] Dudley HA, et al. **Br J Surg** 1987 May;74(5):341–2

Changes in world veterinary output of publications. Payne JM, et al. **Br Vet J** 1986 Jul–Aug;142(4):301–6

Writing about psychiatric patients. Guidelines for disguising case material. Clifft MA. **Bull Menninger Clin** 1986 Nov; 50(6):511–24

Some realities of present-day cardiologic journal publishing in the USA. Roberts WC. **Cardiology** 1987;74(4):254–62

What constitutes prior publication? [editorial] Soffer A. **Chest** 1987 Jul;92(1):2–3

On the origins of papers in Clinical Chemistry 1980–1986, and a query on poster abstracts [letter] Rice EW. **Clin Chem** 1987 May;33(5):743–4

Divided and repetitive publications [editorial] **Community Dent Health** 1986 Sep;3(3):191–2

New reviewers—fresh air or hot air? [editorial] Wilson N. **Int J Cardiol** 1987 Mar;14(3):275–6

The journal publication process: the perspective of the nurse author. White JH. **J Adv Nurs** 1987 Jan;12(1):121–7

Comparing the number of journals available for publication of papers by faculty members in the clinical specialties. Rabinowitz HK. **J Med Educ** 1987 Jan;62(1):58–60

Teaching students to write for publication. Woolley AS, et al. **J Nurs Educ** 1986 Sep;25(7):300–1

Are published manuscripts representative of the surgical meeting abstracts? An objective appraisal. Weintraub WH. **J Pediatr Surg** 1987 Jan;22(1):11–3

Should the JRSM publish more case reports? Discussion paper. David TJ. **J R Soc Med** 1986 Sep;79(9):541–3

Investigative grammar. Guidelines for review articles. **J Urol** 1987 Apr;137(4):804

Will this page still exist sometime in the future when you want to read about deteriorating paper in medical journals, other scientific literature? [news] Marwick C. **JAMA** 1987 Jun 5;257(21):2877, 2882

Article brings censure recommendation [news] Marwick C. **JAMA** 1987 Sep 4;258(9):1137

Sharing research data [editorial] Neuhauser D. **Med Care** 1986 Oct;24(10):879–80

Duplicate publication on postmenopausal bone loss [letter] **N Engl J Med** 1987 Sep 24;317(13):833–4

Acceptance of abstracts—a rebuttal [letter] Chesney RW, et al. **N Engl J Med** 1987 May 14;316(20):1279

A simple way to improve the chances for acceptance of your scientific paper [letter] Koren G. **N Engl J Med** 1986 Nov 13;315(20):1298

Whose misconduct? **Nature** 1987 Apr 30–May 6; 326(6116):814

Disinformation and fraud [letter] **Nature** 1987 Jun 4–10; 327(6121):362

Fire without smoke [news] **Nature** 1986 Nov 20–26; 324(6094):196

Fraud, libel and the literature [editorial] **Nature** 1987 Jan 15–21;325(6101):181–2

On analyzing scientific fraud. Braunwald E. **Nature** 1987 Jan 15–21;325(6101):215–6

Research publishing: interleukin disappears from the literature [news] Collins E. **Nature** 1986 Nov 20–26; 324(6094):197

Laboratory fraud: another damned by publications [news] Locke R. **Nature** 1986 Dec 4–10;324(6096):401

Cornell misconduct case grinds slowly to its conclusion [news] Palca J. **Nature** 1987 Apr 30–May 6;326(6116):816

Scholarly business cards [editorial] Downs FS. **Nurs Res** 1987 May–Jun;36(3):139

Legal disclaimers [letter] Antell DE. **Plast Reconstr Surg** 1987 Jan;79(1):146–7

Peer review in psychology: institutional ranking as a factor. McIntosh EG, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1049–50

Harvard researchers retract data in immunology paper [news] Culliton BJ. **Science** 1986 Nov 28;234(4780):1069

Researcher accused of plagiarism resigns [news] Holden C. **Science** 1987 Sep 4;237(4819):1098

Retraction of research findings [letter] Lindberg DA. **Science** 1987 Mar 13;235(4794):1308

Publish or perish [letter] Arunabh. **South Med J** 1987 Mar; 80(3):408

Ethics and cancer: a survey of the literature. Vanderpool HY, et al. **South Med J** 1987 Apr;80(4):500–6 (25 ref.)

Confronting publication bias: a cohort design for meta-analysis. Simes RJ. **Stat Med** 1987 Jan–Feb;6(1):11–29

[Role and structure of scientific articles, research articles, short notes, review articles, proceedings of meetings] Le Louédec C, et al. **Ann Rech Vet** 1987;18(1):3–12 **(Fre)**

[Decline in the use of scientific French must cease] Drapeau AJ. **Union Med Can** 1986 Nov;115(11):808–11 **(Fre)**

[Possibilities in the use of graphics printers in forensic medicine research] Bonte W, et al. **Beitr Gerichtl Med** 1986; 44:523–8 (Eng. Abstr.) **(Ger)**

[Scientific graphics with the home computer: a simple possibility for producing transparencies to accompany reports] Kühnholz B, et al. **Beitr Gerichtl Med** 1986; 44:435–7 (Eng. Abstr.) **(Ger)**

[Statistics on the contributions of female authors to the journal Psyche] Lohmann HM. **Psyche (Stuttg)** 1986 Dec; 40(12):1135–8 **(Ger)**

[Publications in "Harefuah" (editorial)] Rotem Y, et al. **Harefuah** 1987 Jan 1;112(1):36–7 **(Heb)**

[Analysis of the contents of dental publications printed between 1980 and 1984] Vágó P, et al. **Fogorv Sz** 1987 Jan;80(1):25–7 (Eng. Abstr.) **(Hun)**

[Biomedical publishing in Italy] Oliaro T. **Ann Ist Super Sanita** 1986;22(4):1309 **(Ita)**

[Yugoslav medical science in the Science Citation Index. 1. The status in 1985] Lacković Z, et al. **Lijec Vjesn** 1986 Nov–Dec;108(11–12):462–71 (Eng. Abstr.) **(Scr)**

[Yugoslav medical science in the Science Citation Index. 2. Relation between input and results] Lacković Z, et al. **Lijec Vjesn** 1987 Feb–Mar;109(2–3):49–56 (Eng. Abstr.) **(Scr)**

[The common denominator in poor reviews and pseudoscience] Rumboldt Z. **Lijec Vjesn** 1986 Oct; 108(10):405–9 (Eng. Abstr.) **(Scr)**

[Publication of the results of clinical research] Turner P. **Lijec Vjesn** 1986 Oct;108(10):434–6 (Eng. Abstr.) **(Scr)**

[Amiodarone poisoning: an apparent increase caused by duplication of publication (letter)] **Rev Clin Esp** 1987 Mar; 180(4):227–8 **(Spa)**

[Hastening the publication of papers in the Revista Médica de Chile (letter)] Florenzano F. **Rev Med Chil** 1986 Oct; 114(10):989–90 **(Spa)**

HISTORY

The literature of American internal medicine: a historical view. Fye WB. **Ann Intern Med** 1987 Mar;106(3):451–60

STANDARDS

Reviews of classic books and ineptness of reviewers: lessons for judges of medical manuscripts [editorial] Roberts WC. **Am J Cardiol** 1987 Apr 1;59(8):922–3

Repetitive publication [letter] Coffey DS. **Ann Intern Med** 1987 Oct;107(4):603–4

Needed: review articles with more scientific rigor [editorial] Huth EJ. **Ann Intern Med** 1987 Mar;106(3):470–1

The medical review article: state of the science. Mulrow CD. **Ann Intern Med** 1987 Mar;106(3):485–8

Confusing reporting in abetalipoproteinemia [letter] Norcross K, et al. **Ann Neurol** 1987 Jul;22(1):95–6

Believing what you read. Responsibilities of medical authors and editors. Schiedermayer DL, et al. **Arch Intern Med** 1986 Oct;146(10):2043–4

On blinding the Journal assessor. Parker G. **Aust NZ J Psychiatry** 1986 Jun;20(2):241–2

Abstracts of clinical investigations. A new and standardized format [editorial] Soffer A. **Chest** 1987 Sep;92(3):389–90

Peer review and the fate of manuscripts [editorial] Frey JJ. **Fam Med** 1985 Jan–Feb;17(1):3

The pattern of publishing previously rejected articles in selected journals. Whitman N, et al. **Fam Med** 1985 Jan–Feb;17(1):26–8

Guarding the guardians: a conference on editorial peer review [editorial] Rennie D. **JAMA** 1986 Nov 7; 256(17):2391–2

Scientific fraud [letter] Starkey JD. **Nature** 1987 Jun 25–Jul 1;327(6124):652

To be or ...? [editorial] Robinson RG. **NZ Med J** 1986 Sep 24;99(810):710–1

Integrity of research papers questioned [news] Culliton BJ. **Science** 1987 Jan 23;235(4787):422–3

Quality of biomedical literature [letter] Martin RG. **Science** 1987 Jan 9;235(4785):144

TRENDS

The scientific literature in diagnostic radiology for American readers: a survey and analysis of journals, papers, and authors. Chew FS. **AJR** 1986 Nov;147(5):1055–61

Pride of authorship [editorial] Pitkin RM. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):401–2

[Analysis of the flow of Soviet publications on social hygiene and public health organization] Rytvinskiĭ SS, et al. **Sov Zdravookhr** 1986;(11):35–9 **(Rus)**

PUERICULTURE see **CHILD CARE**

PUERPERAL DISORDERS

Emergency carotid artery thrombectomy for postpartum hemiplegia. Sturm JT, et al. **Am J Emerg Med** 1987 Jul; 5(4):291–3

Maternal disease as a consideration in lactation management. Asselin BL, et al. **Clin Perinatol** 1987 Mar;14(1):71–87

Peripartum heart disease. Falase AO. **Heart Vessels** 1985; Suppl 1:232–5

Postpartum thyroiditis [editorial] **Lancet** 1987 Apr 25; 1(8539):962

Twin pregnancy and parturition in a patient with the Bernard Soulier syndrome. Heslop HE, et al. **Scand J Haematol** 1986 Jul;37(1):71–3

Spontaneous postpartum pneumomediastinum and pneumopericardium. Quigley RF, et al. **Scott Med J** 1987 Feb;32(1):27–8

Post-partum pituitary necrosis presenting as anaemia. Barss P, et al. **Trop Doct** 1986 Apr;16(2):93–4

[Current problems of cardiomyopathies of the peripartum] Ruscitti G, et al. **Recenti Prog Med** 1986 Oct;77(10):491–3 **(Ita)**

[Acute renal insufficiency in pregnancy and the postpartum period] Nicolcioiu M, et al. **Rev Med Interna [Med Interna]** 1987 Mar–Apr;39(2):171–8 (Eng. Abstr.) **(Rum)**

[Motherhood in adolescence] Kelemen A, et al. **Med Pregl** 1986;39(5–6):247–9 (Eng. Abstr.) **(Scr)**

[Postpartum psychosis—new discoveries in an old disease] Lindström L, et al. **Lakartidningen** 1987 Mar 4;84(10):755–8 **(Swe)**

BLOOD

Myasthenic crisis in the puerperium: the possible importance of alpha-fetoprotein. Case report. Hatada Y, et al. **Br J Obstet Gynaecol** 1987 May;94(5):480–2

Effect of alpha-methyldopa excreted in human milk on the breast-fed infant. Hauser GJ, et al. **Helv Paediatr Acta** 1985 Apr;40(1):83–6

Microangiopathic hemolytic anemia and postpartum acute renal failure. Stratta P, et al. **Nephron** 1986;44(3):253–5

[The postpartum course of the HCG titer of maternal blood and its clinical relevance] Haenel AF, et al. **Z Geburtshilfe Perinatol** 1986 Nov–Dec;190(6):275–8 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Paresthesias and motor dysfunction after labor and delivery. Ong BY, et al. **Anesth Analg** 1987 Jan;66(1):18–22

Postpartum uterine atony after intravenous dantrolene. Weingarten AE, et al. **Anesth Analg** 1987 Mar;66(3):269–70

Inversion of the uterus during methoxyflurane anaesthesia. BalaKrishna H, et al. **Can Anaesth Soc J** 1968 Jan; 15(1):34–6

Psychiatric side effects of bromocriptine therapy for postpartum galactorrhoea. Kemperman CJ, et al. **J R Soc Med** 1987 Jun;80(6):387–8

[Cerebrovascular complications in obstetrics and beta mimetic drugs] Pons JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(8):1067–70 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Severe, accelerated postpartum hypertension associated with hyperthyroxinaemia. Case report. White WB, et al. **Br J Obstet Gynaecol** 1986 Dec;93(12):1297–9

Peripartum cardiomyopathy—successful treatment with cardiac transplantation. Joseph SG. **West J Med** 1987 Feb; 146(2):230–2

[A case of recurrent brain stem insufficiency associated with the menstrual cycle] Wender M. **Neurol Neurochir Pol** 1986 Jul–Aug;20(4):374–6 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

A prospective study of postpartum psychoses in a high-risk group. 2. Relationships to demographic and psychiatric history characteristics. McNeil TF. **Acta Psychiatr Scand** 1987 Jan;75(1):35–43

A prospective study of postpartum psychoses in a high-risk group. 1. Clinical characteristics of the current postpartum episodes. McNeil TF. **Acta Psychiatr Scand** 1986 Aug; 74(2):205–16

Duplex Doppler evaluation of puerperal ovarian vein thrombosis. Baran GW, et al. **AJR** 1987 Aug;149(2):321–2

Postpartum hyponatremia [letter] Sidorov J, et al. **Am J Med** 1987 Jul;83(1):183–4

Late postpartum eclampsia. Tso E, et al. **Ann Emerg Med** 1987 Aug;16(8):907–9

A case of pelvic arteriovenous fistula. Kigawa J, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):465–8

A prospective study in 38 patients with abruptio placentae of 70 cases complicated by DIC. Terao T, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):1–13

Postpartum depression. A review of recent literature. Dennerstein L, et al. **Aust Fam Physician** 1986 Nov; 15(11):1470–2

Postpartum thyroiditis—an underdiagnosed disease. Ramsay I. **Br J Obstet Gynaecol** 1986 Nov;93(11):1121–3

Iatrogenic hypothyroidism and postpartum hyperthyroidism in familial dysalbuminaemic hyperthyroxinaemia. Jones A, et al. **Br Med J** 1987 Jan 31;294(6567):286

Presacral hematomas. Diagnosis and treatment. Farkas AM, et al. **Dis Colon Rectum** 1987 Feb;30(2):130–2

Peritonitis and small bowel obstruction. Baumgardner DJ, et al. **IMJ** 1987 Feb;171(2):75–8

Adult haemolytic-uraemic syndrome (HUS). Prakash J, et al. **J Assoc Physicians India** 1986 Nov;34(11):815–7

A false-positive hepatobiliary scan: case report and literature review. Whalen JP. **J Fam Pract** 1987 Mar;24(3):261–4

Ultrasound-guided paracentesis in the diagnosis of postpartum hemoperitoneum. A report of three cases. Rodriguez MH, et al. **J Reprod Med** 1987 Jun;32(6):456–8

Puerperal pelvic thrombophlebitis: impact on diagnosis and treatment using x-ray computed tomography and magnetic resonance imaging. Brown CE, et al. **Obstet Gynecol** 1986 Dec;68(6):789–94

Diabetes insipidus: a postpartum complication. Tulandi T, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):492–5

Bulimia in a peripartum cardiomyopathy patient. Hays LR, et al. **Psychosomatics** 1987 Jan;28(1):47–8

Paraurethral vaginal leiomyoma. Castle WN, et al. **Urology** 1987 Jul;30(1):70–2

Postpartum renal vein thrombosis with left retroaortic renal vein. Washecka R, et al. **Urology** 1987 May;29(5):548–51

[Depressive states in pregnant women and parturients] Stambolov B, et al. **Akush Ginekol (Sofiia)** 1987;26(3):31–4 (Eng. Abstr.) **(Bul)**

[Ileal occlusion associated with ascites following delivery] Manenti A, et al. **Rev Fr Gynecol Obstet** 1987 Jun; 82(6):439–40 (Eng. Abstr.) **(Fre)**

[Incomplete uterine inversion in the late puerperium in placental polyp] Hübscher B. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):475–6 (Eng. Abstr.) **(Ger)**

[Diagnosis of endogenous puerperal psychoses with reference to suicidal and forensic complications] Lammel M. **Z Arztl Fortbild (Jena)** 1986;80(21):893–6 **(Ger)**

[The fate of patients with diabetes in pregnancy—classification of gestational diabetes following the completion of pregnancy (p.g. classification)] Wolff C, et al. **Zentralbl Gynakol** 1987;109(2):88–97 (Eng. Abstr.) **(Ger)**

[Diagnostic difficulties in a case of gluten-dependent malabsorption syndrome manifesting itself in the puerperium] Szymański Z, et al. **Wiad Lek** 1986 Aug 1; 39(15):1062–4 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Epifoam after childbirth for perineal pain. **Drug Ther Bull** 1987 May 18;25(10):39–40

Domperidone antagonizes bromoergocriptine—induced nausea and vomiting without affecting its inhibition of prolactin secretion in puerperal women. Nappi C, et al. **Eur J Clin Pharmacol** 1987;32(5):457–60

Susceptibility to drug-induced hypotension in post-partum psychosis. Barnes TR, et al. **Int Clin Psychopharmacol** 1986 Jan;1(1):74–6

Post-partum depression and the effect of nomifensine treatment. Butler J, et al. **Int Clin Psychopharmacol** 1986 Jul;1(3):244–52

Tobramycin dosing in the puerperal patient. Pastorek JG 2d, et al. **J Reprod Med** 1987 May;32(5):343–6

Analgesic sensitivity of two post-partum pain models. Bloomfield SS, et al. **Pain** 1986 Nov;27(2):171–9 (24 ref.)

Ketorolac versus aspirin for postpartum uterine pain. Bloomfield SS, et al. **Pharmacotherapy** 1986 Sep–Oct; 6(5):247–52

A cutaneous disorder (Darier's disease) evidently exacerbated by lithium carbonate. Clark RD Jr, et al. **Psychosomatics** 1986 Nov;27(11):800–1

[High doses of naloxone in consciousness disorders] Tessitore A, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):428–32 (Eng. Abstr.) **(Ita)**

ETHNOLOGY

An example of cross-cultural measurement of psychological symptoms in post-partum mothers. Watson E, et al. **Soc Sci Med** 1986;23(9):869–74

ETIOLOGY

Puerperal urinary retention. Kermans G, et al. **Acta Urol Belg** 1986;54(4):376–85

Cortical blindness and late postpartum eclampsia. Hauswald M. **Am J Emerg Med** 1987 Mar;5(2):130–2

Postpartum renal failure in a patient with membranoproliferative glomerulonephritis type II. Leichter HE, et al. **Am J Nephrol** 1986;6(5):382–5

Myocardial infarction in the puerperium [letter] Feldman HN. **Am J Obstet Gynecol** 1987 Aug;157(2):515–6

Neurologic dysfunction in postpartum patients caused by hypomagnesemia. Ravindran RS, et al. **Anesthesiology** 1987 Mar;66(3):391–2

Postpartum spinal wedge fractures in a 27-year-old epileptic anorectic woman. Lam SY, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):71–4

A multivariate investigation of postpartum mood disturbance. Gard PR, et al. **Br J Psychiatry** 1986 May;148:567–75

Postpartum acute renal failure in a twin pregnancy with retained IUD [letter] Stratta P, et al. **Clin Nephrol** 1986 Sep;26(3):162

Unusual manifestations of peripartal cardiac disease. McAdams SA, et al. **Crit Care Med** 1986 Oct;14(10):910–2

Postpartum acute renal failure in a drug addict. Stratta P, et al. **Drug Alcohol Depend** 1986 Jul;17(4):377–80

A reappraisal of the maternal syndrome associated with hydrops fetalis. Mahmood TA. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):159–63

Etiology of peripartum cardiomyopathy [letter] Olden CR. **J Fam Pract** 1986 Dec;23(6):534

Uterine inversion secondary to placenta accreta in a diethylstilbestrol-exposed parturient. A case report. Bellucci M, et al. **J Reprod Med** 1987 Mar;32(3):236–7

Convulsions in hypertensive, proteinuric primiparas more than 24 hours after delivery. Eclampsia or some other cause? Brown CE, et al. **J Reprod Med** 1987 Jul; 32(7):499–503

Hypertension in the puerperium [letter] Crawford JS, et al. **Lancet** 1987 Sep 19;2(8560):693–4

Postpartum collapse due to acute dilated cardiomyopathy [letter] Phipps JH, et al. **Lancet** 1987 Jun 27;1(8548):1500–1

Tuberculosis presenting as puerperal fever. Brar HS, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):488–90

Postpartum polyhydramnios: a unique complication of advanced abdominal pregnancy. Spinnato JA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):490–2

[Post-partum urinary retention] Lambotte R. **Acta Urol Belg** 1986;54(4):371–5 (Eng. Abstr.) **(Fre)**

[Submucous varicose veins of the lower uterine segment—a rare cause of pre- and postpartal hemorrhages] Wunsch M, et al. **Zentralbl Gynakol** 1986;108(17):1073–5 (Eng. Abstr.) **(Ger)**

[Evaluation of iron-deficiency anemia in pregnancy] Grio R, et al. **Minerva Ginecol** 1986 Nov;38(11):869–71 (Eng. Abstr.) **(Ita)**

[A case report of a Carpentier-Edwards bioprosthetic failure at mitral position after pregnancy and delivery] Hayashi J, et al. **Kyobu Geka** 1986 Jul;39(7):556–9 (Eng. Abstr.) **(Jpn)**

[Hypothyroidism after delivery] Fretland S. **Tidsskr Nor Laegeforen** 1987 May 30;107(15):1316–7 (Eng. Abstr.) **(Nor)**

FAMILIAL & GENETIC

A case of childhood acute lymphoblastic leukaemia [letter] Abbondanzo SL, et al. **Br J Haematol** 1987 May;66(1):141

IMMUNOLOGY

Serial changes in thyroid-stimulating antibody and thyrotropin binding inhibitor immunoglobulin at the time of postpartum occurrence of thyrotoxicosis in Graves' disease. Tamaki H, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):324–30

The relationship of thyroid antibodies to the postpartum recurrence of hyperthyroidism in Graves' disease. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb; 86(2):171–7

Immunological study on autoimmune postpartum thyroiditis. Kim HM, et al. **Yonsei Med J** 1986;27(4):276–82

METABOLISM

Amitriptyline excretion in human milk [letter] Pittard WB 3d, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):383–4

[The concentration of oxacillin and ampicillin (Penstabil) in serum and mother's milk in puerperal mastitis] Peiker G, et al. **Pharmazie** 1986 Nov;41(11):793–5 (Eng. Abstr.) **(Ger)**

MORTALITY

Bilateral postpartum vulvar edema associated with maternal death. Finkler NJ, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1188–9

OCCURRENCE

Pregnancy outcome in medically complicated and uncomplicated patients aged 40 years or older. Lehmann DK, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):738–42

Postpartum lymphocytic thyroiditis. Prevalence, clinical course, and long-term follow-up. Nikolai TF, et al. **Arch Intern Med** 1987 Feb;147(2):221–4

Mid-cavity occipitoanterior forceps delivery—Laufe and Barnes forceps compared. Marshall BJ, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):13–7

Unexpected problems in patients selected for birthing unit delivery. Permezel JM, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):21–3

[Incidence of mastitis, galactostasis and rhagades among parturients with deformed nipples and nipples with reduced erectility] Pranchev N. **Akush Ginekol (Sofiia)** 1987; 26(3):42–5 (Eng. Abstr.) **(Bul)**

PATHOLOGY

Multiple myeloma in two young postpartum women. Harster GA, et al. **Arch Pathol Lab Med** 1987 Jan;111(1):38–42

Peripartum heart disease: an endomyocardial biopsy study. Sanderson JE, et al. **Br Heart J** 1986 Sep;56(3):285–91

[A case of septic necrobiosis in leiomyoma of the uterus in the postpartum period. Clinical, echographic and x-ray computed tomography study] Tribalat S, et al. **Rev Fr Gynecol Obstet** 1986 Jun–Jul;81(6–7):385–8 (Eng. Abstr.) **(Fre)**

[Surgical acute abdomen of rare etiology in the puerperium proper] Pricop F, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):167–9 (Eng. Abstr.) **(Rum)**

[A case of puerperal cardiomyopathy] Kishko AS, et al. **Vrach Delo** 1987 Jun;(6):78–9 **(Rus)**

PHYSIOPATHOLOGY

Opioid peptides at term pregnancy in the early puerperium and in postpartum psychosis. Terenius L, et al. **Adv Biochem Psychopharmacol** 1987;43:201–9

Transient regional wall motion abnormality and increased wall thickness of the left ventricle in acute myopericarditis occurring in the puerperium. Shimamoto H, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):285–7

Post-partum psychoses and the dexamethasone suppression test. Singh B, et al. **J Affective Disord** 1986 Sep–Oct; 11(2):173–7

Effects of periparturient disease on postpartum reproduction in dairy cattle. Morrow DA. **J Anim Sci** 1971;32 Suppl 1:17–23

Hypertension in the puerperium [letter] Walters BN, et al. **Lancet** 1987 Aug 8;2(8554):330

Idiopathic facial nerve paralysis (Bell's palsy) in late pregnancy and the early puerperium. McGregor JA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):435–8

Postpartum mental and physical problems. How common are they? Gjerdingen DK, et al. **Postgrad Med** 1986 Dec; 80(8):133–45 (43 ref.)

Thrombotic microangiopathy in pregnancy and the postpartum period. Weiner CP. **Semin Hematol** 1987 Apr; 24(2):119–29 (99 ref.)

[The renin-aldosterone system and kidney function in the puerperium in women suffering from glomerulo- and pyelonephritis] Filatov VI, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):39–42 **(Rus)**

[Status of the hemodynamics in puerperal women with combined rheumatic mitral defects following different methods of delivery] Serov VN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):33–4 **(Rus)**

PREVENTION & CONTROL

Prevention of postpartum venous thrombosis with low doses of heparin. Segal S, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(5):273–6

Screening for antenatal and postnatal depressive symptoms in general practice using a microcomputer-delivered questionnaire. Ancill R, et al. **J R Coll Gen Pract** 1986 Jun;36(287):276–9

[Prevention of hemorrhages in the placental and early puerperal periods by the technic of synchronous cardiac massage] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):43–6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Anxiety and depression in the immediate post-partum period: a controlled investigation of a primiparous sample. Knight RG, et al. **Aust NZ J Psychiatry** 1986 Dec;20(4):430–6

Social support, infant temperament, and parenting self-efficacy: a mediational model of postpartum depression. Cutrona CE, et al. **Child Dev** 1986 Dec; 57(6):1507–18

Postpartum depression. Murray JB, et al.

Genet Soc Gen Psychol Monogr 1987 May;113(2):193–212
Depression during and following pregnancy: quality of family relationships. Dimitrovsky L, et al. **J Psychol** 1987 May; 121(3):213–8
Predisposition to psychological complications after stillbirth: a case report. Condon JT. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):495–7
Maternal depression: a concern for pediatricians. Zuckerman BS, et al. **Pediatrics** 1987 Jan;79(1):110–7

RADIOGRAPHY

Pleural effusions in the postpartum period. Stark P, et al. **Radiologe** 1986 Oct;26(10):471–3
[Making a diagnosis in postpartal ovarian venous thrombosis by digital subtraction angiography] Hofmann–Preiss K, et al. **ROFO** 1987 Apr;146(4):460–2 (Ger)

RADIONUCLIDE IMAGING

Technetium Tc 99m uptake in postpartum thyrotoxicosis. Lervang HH, et al. **Arch Intern Med** 1987 May;147(5):994, 997
Radiation dosimetry from breast milk excretion of radioiodine and pertechnetate. Hedrick WR, et al. **J Nucl Med** 1986 Oct;27(10):1569–71

RADIOTHERAPY

[Experience in using the helium–neon laser to prevent postoperative complications of perineal wounds and to treat nipple cracks in puerperal women] Bazhanova LP, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):35–7 (Rus)

SURGERY

[Bloodless method of treating recurrent uterine inversion in the puerperal period] Butylkina MR, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):66–7 (Rus)

THERAPY

Thrombocytopenic purpura and platelet transfusion [letter] Lind SE. **Ann Intern Med** 1987 Mar;106(3):478
A comparison of cold and warm sitz baths for relief of postpartum perineal pain. Ramler D, et al. **J Obstet Gynecol Neonatal Nurs** 1986 Nov–Dec; 15(6):471–4
[Conservative procedures in 64 pregnant patients with myoma: the course of pregnancy, labor, and the puerperium] Döring GK, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):26–9 (Eng. Abstr.) (Ger)
[Pregnancy, labor and the puerperium in paraplegic patients] Rageth JC, et al. **Geburtshilfe Frauenheilkd** 1986 Aug; 46(8):536–40 (Eng. Abstr.) (Ger)
[Criteria of the effectiveness of therapy of the postpartum neuroendocrine syndrome] Serov VN, et al. **Akush Ginekol (Mosk)** 1986 Jul;(7):32–4 (Eng. Abstr.) (Rus)

VETERINARY

Bovine postpartuient hemoglobinemia: hypophosphatemia and metabolic disorder in red blood cells. Ogawa E, et al. **Am J Vet Res** 1987 Aug;48(8):1300–3
Prostaglandin F2 alpha and prostacyclin imbalance in cows with placental retention: new findings. Horta AE, et al. **Ann Rech Vet** 1986;17(4):395–400
Small colon intussusception in a mare managed with a diverting colostomy. Bailey GD, et al. **Aust Vet J** 1987 Apr;64(4):114–5
Aciduria in the postparturient dairy cow. Markusfeld O. **Br Vet J** 1987 Mar–Apr;143(2):119–27
Postpartum hemolytic–uremic syndrome in a cow. Roby KA, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):187–90
Periparturient traits in seven high dairy herds. Incidence rates, association with parity, and interrelationships among traits. Markusfeld O. **J Dairy Sci** 1987 Jan;70(1):158–66
Profiles of progesterone in milk and clinical ovarian findings in postpartum cows with ovarian dysfunctions. Kassa T, et al. **Nord Vet Med** 1986 Nov–Dec;38(6):360–9
[Experimental inoculation of bovine herpesvirus 4 (strain LVR 140) in pregnant and nonpregnant cows] Wellemans G, et al. **Ann Rech Vet** 1986;17(1):89–94 (Eng. Abstr.) (Fre)
[Urinary bladder displacement (lateroflexio vesicae urinariae) in the sow] Heinritzi K, et al. **Tierarztl Prax** 1987; 15(2):145–7 (Eng. Abstr.) (Ger)
[Significance of glucocorticoids as a stress parameter in cattle during the peripartum period] Heuwieser W, et al. **Zentralbl Veterinarmed [A]** 1987 Mar;34(3):178–87 (Eng. Abstr.) (Ger)

PUERPERAL INFECTION

Puerperal Pasteurella multocida septicemia. Greif Z, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):657–8
Herpes simplex virus type–2 encephalitis in peripartum period preceded by hepatitis. Pauranik A, et al. **Jpn J Med** 1987 Feb;26(1):84–7
[Puerperal sepsis] Holub Z, et al. **Cesk Gynekol** 1986 Aug; 51(7):552–5 (Cze)

COMPLICATIONS

[Secondary immunodeficiency in postpartum infectious diseases and their correction] Kudaibergenov KK, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):55–7 (Eng. Abstr.) (Rus)

DIAGNOSIS

Postoperative sepsis in obstetric & gynaecological practice. Chatterjee BD, et al. **Indian J Med Res** 1986 Nov; 84:499–501
Actinomycotic infection of a fibroid presenting in the puerperium. Carr JV, et al. **J R Coll Surg Edinb** 1987 Feb; 32(1):57–8
[Prognostic value of the pH of the milk of parturients with mastitis with respect to the course of the healing process] Pranchev N, et al. **Akush Ginekol (Sofiia)** 1987;26(3):38–41 (Eng. Abstr.) (Bul)
[Puerperal infections] Leitsmann H. **Zentralbl Gynakol** 1987; 109(6):341–6 (Eng. Abstr.) (Ger)
[Appendicitis in pregnancy and the puerperium] Berliński B, et al. **Wiad Lek** 1986 Jun 15;39(12):813–7 (Eng. Abstr.) (Pol)
[Prognosis of puerperal complications in women with chronic liver and biliary tract diseases] Dashkevich VE, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):53–6 (Eng. Abstr.) (Rus)
[Diagnosis and treatment of obstetrical sepsis] Serov VN, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):12–7 (Eng. Abstr.) (Rus)
[Importance of the cytomorphological study of the after–birth in diagnosing puerperal endometritis] Utkin VM, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):30–2 (Eng. Abstr.) (Rus)
[Puerperal sepsis] Zak IR, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):65–8 (Rus)
[Tuberculosis of the breast] Volkova KI, et al. **Probl Tuberk** 1986;(11):61–2 (Rus)

DRUG THERAPY

Treatment of common infections in pregnancy and the puerperium. Seligman SA. **Clin Exp Obstet Gynecol** 1986; 13(3–4):148–54 (10 ref.)
Comparative efficacy and safety of mezlocillin, cefoxitin, and clindamycin plus gentamicin in postpartum endometritis. Faro S, et al. **Obstet Gynecol** 1987 May;69(5):760–6
Abbreviated antibiotic therapy for the treatment of postpartum endometritis. Soper DE, et al. **Obstet Gynecol** 1987 Jan;69(1):127–30
Moxalactam versus clindamycin plus tobramycin for the treatment of puerperal infections. Pastorek JG 2d, et al. **South Med J** 1987 Sep;80(9):1116–9
[Prophylactic and therapeutic use of cefotetan, a cephem antibiotic, for infections in the field of obstetrics and gynecology] Chimura T, et al. **Jpn J Antibiot** 1986 Oct; 39(10):2695–700 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Cho N, et al. **Jpn J Antibiot** 1986 Sep; 39(9):2488–96 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of ceftazidime in perinatal period] Cho N, et al. **Jpn J Antibiot** 1986 Aug; 39(8):2225–46 (Eng. Abstr.) (Jpn)
[Fundamental and clinical studies of imipenem and imipenem/cilastatin sodium in the field of obstetrics and gynecology] Hirabayashi K, et al. **Jpn J Antibiot** 1986 May; 39(5):1413–25 (Eng. Abstr.) (Jpn)
[Clinical and laboratory evaluations of ceftazidime in perinatal use. A study of ceftazidime in the perinatal co–research group] Matsuda S, et al. **Jpn J Antibiot** 1986 Aug;39(8):2199–213 (Eng. Abstr.) (Jpn)
[Fundamental and clinical evaluation of ceftazidime in the perinatal period] Matsunami K, et al. **Jpn J Antibiot** 1986 Aug;39(8):2247–62 (Eng. Abstr.) (Jpn)
[Fundamental and clinical studies of imipenem/cilastatin sodium in the field of obstetrics and gynecology] Naito H, et al. **Jpn J Antibiot** 1986 May;39(5):1401–11 (Eng. Abstr.) (Jpn)
[Fundamental and clinical evaluation of ceftazidime in perinatal studies] Sengoku K, et al. **Jpn J Antibiot** 1986 Aug;39(8):2214–8 (Eng. Abstr.) (Jpn)
[A study on ceftazidime in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Aug;39(8):2273–9 (Eng. Abstr.) (Jpn)
[Study on cefotiam in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1986 Sep;39(9):2534–42 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Sep;39(9):2525–33 (Eng. Abstr.) (Jpn)
[Fundamental and clinical studies on ceftazidime in the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1986 Aug;39(8):2263–71 (Eng. Abstr.) (Jpn)

ETIOLOGY

An outbreak of puerperal fever caused by group G streptococci. Haynes J, et al. **J Hosp Infect** 1987 Mar; 9(2):120–5
Role of Chlamydia trachomatis in postpartum endometritis. Ismail MA, et al. **J Reprod Med** 1987 Apr;32(4):280–4
Low birth weight, prematurity, and postpartum endometritis. Association with prenatal cervical Mycoplasma hominis and Chlamydia trachomatis infections. Berman SM, et al. **JAMA** 1987 Mar 6;257(9):1189–94
Postpartum group B streptococcal endocarditis associated with mitral valve prolapse. Strasberg GD. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):485–7
Maternal obesity and pregnancy. Johnson SR, et al. **Surg Gynecol Obstet** 1987 May;164(5):431–7
[Etiopathogenetic classification of factors involved in the development and growth of breast infections in the puerperium] Pranchev N. **Akush Ginekol (Sofiia)** 1986; 25(6):1–4 (Eng. Abstr.) (Bul)
[The puerperium after cesarean section complicated by infection] Skrzypczak W, et al. **Ginekol Pol** 1986 Sep; 57(9):578–81 (Eng. Abstr.) (Pol)
[Bacterial agents of postabortal and postpartum infections] Bittner J, et al. **Rev Ig [Bacteriol]** 1986 Oct–Dec; 31(4):335–47 (Eng. Abstr.) (Rum)
[Role of nonsporulating anaerobes in causing puerperal endometritis] Voropaeva SD, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):27–30 (Eng. Abstr.) (Rus)
[Etiological structure and antibiotic sensitivity of the causative agents of puerperal endometritis] Voropaeva SD, et al. **Antibiot Med Biotekhnol** 1987 Jun;32(6):449–53 (Eng. Abstr.) (Rus)

HISTORY

Semmelweis: Lone Rager against puerperal fever. Bendiner E. **Hosp Pract [Off]** 1987 Feb 15;22(2):194–200, 205–6, 210–20 passim
A history of hand washing: seven hundred years at a snail's pace. Othersen MJ, et al. **Pharos** 1987 Spring;50(2):23–27

IMMUNOLOGY

[Immunologic status and leukocyte function of patients with suppurative lactational mastitis] Mel'nikova VN, et al. **Vestn Khir** 1986 Dec;137(12):47–50 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Ureaplasma urealyticum as a cause of postpartum fever. Eschenbach DA. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S258–61 (22 ref.)
[Isolation of Mycoplasma hominis from the blood in puerperal fever] Gacs M, et al. **Orv Hetil** 1987 Jun 7; 128(23):1191–3 (Eng. Abstr.) (Hun)

OCCURRENCE

Clinical and microbiologic risk evaluation for post–cesarean section endometritis by multivariate discriminant analysis: role of intraoperative mycoplasma, aerobes, and anaerobes. Williams CM, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):967–74
Postpartum upper genital tract infections in Nairobi, Kenya: epidemiology, etiology, and risk factors. Plummer FA, et al. **J Infect Dis** 1987 Jul;156(1):92–8
High risk factors for cesarean febrile morbidity. Page FO, et al. **J Miss State Med Assoc** 1987 Feb;28(2):27–9
Some remarks about epidemiology and prophylaxis of Candida mycoses in parturients and newborns. Schnell JD. **Mykosen [Suppl]** 1978;1:252–7
[Riskogram for postpartum mastitis] Pranchev N. **Akush Ginekol (Sofiia)** 1986;25(6):4–7 (Eng. Abstr.) (Bul)
[Risk factors associated with post–cesarean infections in a general hospital] García García ML, et al. **Salud Publica Mex** 1986 Nov–Dec;28(6):630–5 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Cesarean section prophylaxis: comparison of two doses with three doses of mezlocillin. Crombleholme WR, et al. **Am J Reprod Immunol Microbiol** 1987 Mar;13(3):71–5
[Prevention of the risk of infection and thromboembolism following cesarean section. 2. Results of a multicenter study] Boulanger JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):655–9 (Eng. Abstr.) (Fre)
[Value of using prophylactic cefazolin in cesarean patients] Claquin C, et al. **Rev Fr Gynecol Obstet** 1986 Sep 20; 81(9):479–82 (Fre)
[Pharmacokinetic and clinical studies of cefotiam in the perinatal period] Hayasaki M, et al. **Jpn J Antibiot** 1986 Sep;39(9):2497–518 (Eng. Abstr.) (Jpn)
[Pharmacokinetic and clinical studies of cefotiam during the perinatal period in pregnant women] Ninomiya K, et al. **Jpn J Antibiot** 1986 Sep;39(9):2519–24 (Eng. Abstr.) (Jpn)
[Prevention of puerperal suppurative–inflammatory diseases with lysozyme in high–risk pregnant women] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):55–7 (Eng. Abstr.) (Rus)
[Cesarean section with preliminary isolation of the abdominal cavity] Drandrov GL, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):19–21 (Eng. Abstr.) (Rus)

THERAPY

Percutaneous drainage of fluid collections in the bladder flap of febrile post–cesarean–section patients. A report of seven cases. Acholonu F, et al. **J Reprod Med** 1987 Feb; 32(2):140–3

[7 cases of postpartum peritonitis: commentary on its diagnosis and management] Bouraoui L, et al. **Tunis Med** 1986 Aug-Sep;64(8-9):721-5 (Eng. Abstr.) **(Fre)**

[Monitored antithrombotic therapy in the combined treatment of patients with suppurative-septic diseases] Dobrovol'skii VI, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):17-20 (Eng. Abstr.) **(Rus)**

[Extracorporeal hemosorption in the complex of intensive care measures for postpartum suppurative-septic complications] Gerasimovich GI, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):52-4 (Eng. Abstr.) **(Rus)**

[Principles of the organization of ambulatory care in puerperal mastitis] Volkov NA. **Akush Ginekol (Mosk)** 1987 Apr;(4):57-61 (Eng. Abstr.) **(Rus)**

VETERINARY

Hyperacute Escherichia coli mastitis of cattle in the immediate post-partum period. Frost AJ, et al. **Aust Vet J** 1986 Oct;63(10):327-31

PUERPERIUM

Epithelial atypia in ovarian mucinous cystadenoma during the puerperium. Spaun E, et al. **Acta Obstet Gynecol Scand** 1986;65(5):505-6

A comparative neonatal study of infants born by mothers with Chlamydia trachomatis in cervix uteri. Skjeldestad FE, et al. **Acta Paediatr Scand** 1987 Mar;76(2):359-60

Postpartum IUD insertions in Manila, Philippines. Apelo RA, et al. **Adv Contracept** 1985 Dec;1(4):319-28

Immediate postpartum insertion: performance of the Nova-T-PP and randomized comparison with the Nova-T. Van Kets H, et al. **Adv Contracept** 1987 Mar;3(1):63-9

Benefits associated with WIC supplemental feeding during the interpregnancy interval. Caan B, et al. **Am J Clin Nutr** 1987 Jan;45(1):29-41

Normal pregnancy in a patient with a postpartum factor VIII inhibitor. Vicente V, et al. **Am J Hematol** 1987 Jan;24(1):107-9

Measurement of antibody to Mycoplasma hominis by an enzyme-linked immunoassay and detection of class-specific antibody responses in women with postpartum fever. Brown MB, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):701-8

Sexuality in the puerperium: a review. Reamy KJ, et al. **Arch Sex Behav** 1987 Apr;16(2):165-86

Postpartum aggression in rats does not influence threshold currents for EBS-induced aggression. Mos J, et al. **Brain Res** 1987 Feb 24;404(1-2):263-6

Nursing behaviour, prolactin and postpartum amenorrhoea during prolonged lactation in American and !Kung mothers. Stern JM, et al. **Clin Endocrinol (Oxf)** 1986 Sep;25(3):247-58

Ultrasound assessment of puerperal uterine involution. Defoort P, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):95-7

Spontaneous return of menstruation in hypothalamic amenorrhea following gonadotropin-releasing hormone-induced pregnancy. Lewinthal D, et al. **Fertil Steril** 1987 May;47(5):870-1

Postpartum amenorrhea, waiting time to conception, and prevalence of pregnancy of women in a Sudanese agricultural community. Takasaka K. **Hum Biol** 1986 Dec;58(6):933-44

Use of echosonography to monitor uterine placement of intrauterine devices after immediate postpartum insertions. Ortiz Mariscal JD, et al. **Int J Gynaecol Obstet** 1987 Feb;25(1):53-7

Physical and emotional responses of expectant fathers throughout pregnancy and the early postpartum period. Clinton JF. **Int J Nurs Stud** 1987;24(1):59-68

Could most cases of congenital rubella in Ireland be prevented by post-partum immunization? Fitzsimons R, et al. **Ir Med J** 1986 Aug;79(8):216-7

Changes in metabolic and reproductive characteristics associated with lactation and glucose infusion in the postpartum ewe. Rutter LM, et al. **J Anim Sci** 1986 Aug;63(2):538-45

Dose-related prolactin inhibitory effect of the new long-acting dopamine receptor agonist cabergoline in normal cycling, puerperal, and hyperprolactinemic women. Melis GB, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):541-5

A double-blind, parallel comparison of ketoprofen, aspirin, and placebo in patients with postpartum pain. Sunshine A, et al. **J Clin Pharmacol** 1986 Nov-Dec;26(8):706-11

Inhibition of post-partum maternal behaviour in the rat by injecting an oxytocin antagonist into the cerebral ventricles. van Leengoed E, et al. **J Endocrinol** 1987 Feb;112(2):275-82

Beliefs and practices among Haitian American women in relation to childbearing. Harris K. **J Nurse Midwifery** 1987 May-Jun;32(3):149-55

Postpartum weight loss in a nurse-midwifery practice. Olsen LC, et al. **J Nurse Midwifery** 1986 Jul-Aug;31(4):177-81

Early discharge: outcomes of primiparas and their infants. Lemmer CM. **J Obstet Gynecol Neonatal Nurs** 1987 Jul-Aug;16(4):230-6

Hormone responses to low-dose GnRH treatment in post-partum beef cows. Jagger JP, et al. **J Reprod Fertil** 1987 May;80(1):263-9

Blockade by cycloheximide of the prepartum changes in membrane activity and adrenergic response of the circular muscle of rat uterus. Maruta K, et al. **Jpn J Physiol** 1986;36(5):971-83

Appropriate technology following birth. **Lancet** 1986 Dec 13;2(8520):1387-8

Left atrial dimension during early puerperium [letter] Robson SC, et al. **Lancet** 1987 Jul 11;2(8550):111-2

Care of postpartum adolescents. Fullar SA. **MCN** 1986 Nov-Dec;11(6):398-403

Mothering behavior and maternal role attainment during the postpartum period. Walker LO, et al. **Nurs Res** 1986 Nov-Dec;35(6):352-5

Renal hemodynamics and functional changes during the transition from fetal to newborn life in sheep. Nakamura KT, et al. **Pediatr Res** 1987 Mar;21(3):229-34

Interrater reliability of diastasis recti abdominis measurement. Bursch SG. **Phys Ther** 1987 Jul;67(7):1077-9

Postpartum thyroiditis in a 20-year-old woman. Haines JD Jr. **Postgrad Med** 1986 Dec;80(8):147, 150-2

RO 15-1788 does not influence postpartum aggression in lactating female rats. Mos J, et al. **Psychopharmacology (Berlin)** 1986;90(2):278-80

Breastfeeding: its relationship with postpartum amenorrhea and postpartum sexual abstinence in a Nigerian community. Oni GA. **Soc Sci Med** 1987;24(3):255-62

Umbilical incision for post-partum tubal ligation [letter] Vierhout ME. **Trop Doct** 1986 Apr;16(2):80

Microbiology of the genitalia of nulliparous and postpartum Savanna brown goats. Fasanya OO, et al. **Vet Res Commun** 1987;11(2):191-8

Cardiac failure in the peripartum period due to myopathy of unknown cause [editorial] Veille JC. **West J Med** 1987 Feb;146(2):224-5

[An analysis of 125 cases with perinatal cardiomyopathy] Du X. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Nov;21(6):337-9, 390 (Eng. Abstr.) **(Chi)**

[Types of fever in the puerperium after cesarean section] Ding PJ. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):248-9 **(Chi)**

[Postpartum horizontal transmission of hepatitis B virus-carrier mothers] Liang YL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):267-8 (Eng. Abstr.) **(Chi)**

[Women's attitudes to antenatal care, delivery and the postpartum period. II. Delivery and the postpartum period] Ahrentsen OD, et al. **Ugeskr Laeger** 1986 Dec 15;148(51):3473-5 (Eng. Abstr.) **(Dan)**

[Continuing eco-pathological survey: 7. Epidemiological approach to postpartum mastitis in the dairy cow: descriptive study and typology of the herd] Faye B, et al. **Ann Rech Vet** 1986;17(3):297-311 (Eng. Abstr.) **(Fre)**

[Continuing eco-pathological survey: 11. Development of pathological frequency in dairy cow stock as a function of the stage of lactation] Faye B, et al. **Ann Rech Vet** 1986;17(3):247-55 (Eng. Abstr.) **(Fre)**

[Effectiveness of rubella vaccination in the puerperium] Huter O, et al. **Geburtshilfe Frauenheilkd** 1986 Sep;46(9):640-2 (Eng. Abstr.) **(Ger)**

[Perinatal transmission of hepatitis B. Results of a longitudinal study] Zotti C, et al. **Minerva Ginecol** 1986 Oct;38(10):853-6 **(Ita)**

[Parity and the quantity of suckled maternal milk produced in the 1st 4 days of the puerperium] Zuppa AA, et al. **Pediatr Med Chir** 1986 May-Jun;8(3):389-91 (Eng. Abstr.) **(Ita)**

[The level of polychlorinated insecticides in the milk of women in the puerperium from the Opole region] Lembrych S, et al. **Ginekol Pol** 1986 May;57(5):349-52 (Eng. Abstr.) **(Pol)**

[Vaginal microflora in the puerperal period] Mareev EV, et al. **Akush Ginekol (Mosk)** 1987 Apr;(4):51-3 **(Rus)**

[Characteristics of gram-negative microflora on environmental objects in puerperal wards and their resistance to antibacterial preparations and disinfectants] Ioirish AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):40-4 (Eng. Abstr.) **(Rus)**

[Idiopathic facial paralysis and postpartum (letter)] Roquer J, et al. **Med Clin (Barc)** 1986 Nov 29;87(18):782 **(Spa)**

BLOOD

Serum phenytoin during pregnancy, labor and puerperium. Bardy AH, et al. **Acta Neurol Scand** 1987 Jun;75(6):374-5

Sequential hormonal changes in the postpartum dairy cow. Madej A, et al. **Acta Vet Scand** 1986;27(2):280-95

Studies of fibrinopeptide A, fibrinopeptide B beta 15-42 HMW-kininogen and kinin during normal pregnancy labor and puerperium. Mutoh S, et al. **Adv Exp Med Biol** 1986;198 Pt B:41-4

Comparative evaluation of antepartum and postpartum platelet function in smokers and nonsmokers. Leuschen MP, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1276-80

Preeclampsia, delivery, and the hemostatic system. Saleh AA, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):331-6

Blood constituents in relation to the reproductive state in she-camel (Camelus dromedarius). Eltohamy MM, et al. **Beitr Trop Landwirtsch Veterinarmed** 1986;24(4):425-30

Plasma fibrinolysis during and after normal childbirth. Mackinnon S, et al. **Br J Haematol** 1987 Mar;65(3):339-42

Secretion of luteinizing hormone and oestradiol-17 beta in post partum milked and suckled cows. Fisher MW, et al. **Br Vet J** 1986 Nov-Dec;142(6):569-77

Regression of beta-subunit hCG after normal delivery, spontaneous abortions and ectopic pregnancy. Towobola OA, et al. **East Afr Med J** 1987 Jan;64(1):71-7

Release of vasoactive intestinal polypeptide (VIP) in breast-feeding women. Ottesen B, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Sep;22(5-6):333-6

Indices of collagen metabolism in pregnancy and postpartum period. Kucharz EJ. **Gynecol Obstet Invest** 1986;22(4):169-71

Prolactin changes after administration of agonist and antagonist dopaminergic drugs in puerperal women. Petraglia F, et al. **Gynecol Obstet Invest** 1987;23(2):103-9

The nonsuppressibility of plasma cortisol persists after pregnancy. Smith R, et al. **Horm Metab Res** 1987 Jan;19(1):41-2

Correlation of hormones with lipid and lipoprotein levels during normal pregnancy and postpartum. Desoye G, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):704-12

Cyclic changes in plasma calcium and the calcium homeostatic endocrine system of the postparturient dairy cow. Hove K. **J Dairy Sci** 1986 Aug;69(8):2072-82

Serum copper level in pregnancy, labour and puerperium. Singh VK, et al. **J Indian Med Assoc** 1986 Jul;84(7):206-8

Plasma immunoreactive beta-endorphin, ACTH and cortisol concentrations in mothers and their neonates immediately after delivery--their relationship to the duration of labor. Bacigalupo G, et al. **J Perinat Med** 1987;15(1):45-52

Release of atrial natriuretic peptide during pregnancy and immediate puerperium [letter] Rutherford AJ, et al. **Lancet** 1987 Apr 18;1(8538):928-9

Plasma zinc levels in the puerperium [letter] Prendergast B. **NZ Med J** 1987 Jan 28;100(816):27

Effect of cigarette smoking on plasmatic regulation of vascular prostacyclin in pregnancy and puerperium. Busacca M, et al. **Obstet Gynecol** 1986 Dec;68(6):816-9

[Blood sialic acid in pregnancy and the puerperium] Conti M, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar-Apr;108(2):90-3 (Eng. Abstr.) **(Ita)**

[Studies on the relationship between reproductive phenomena and thyroid function--dynamics of the concentrations of thyroid hormones in pregnancy, parturition and puerperium] Nakayama H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1578-86 (Eng. Abstr.) **(Jpn)**

[Characteristics of the composition of the peripheral blood in healthy women in an uncomplicated puerperium] Kartasheva VE, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):54-5 **(Rus)**

[Malnutrition in puerperal women of the northern area of Santiago, Chile] Valenzuela CY, et al. **Rev Med Chil** 1986 Jul;114(7):690-1 **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid dynorphin1-17 and beta-endorphin in late pregnancy and six months after delivery. No influence of acupuncture treatment. Lyrenäs S, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):253-8

Endorphin activity in cerebrospinal fluid prior to elective cesarean section and in early puerperium. Lyrenäs S, et al. **Ups J Med Sci** 1987;92(1):37-45

DRUG EFFECTS

Failure of human chorionic gonadotropin injections to sustain gonadotropin-releasing hormone-induced corpora lutea in postpartum beef cows. Carruthers TD, et al. **Biol Reprod** 1986 Nov;35(4):846-9

Inhibition of puerperal lactation by means of a single injection of bromocriptine retard. Valsamis J, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May;25(1):43-51

Postpartum interval in beef cows shortened by enclomiphene. Chang CF, et al. **J Anim Sci** 1987 Jul;65(1):217-23

Effects of norgestomet on follicular development in postpartum beef cows. Garcia-Winder M, et al. **J Anim Sci** 1987 Apr;64(4):1099-109

Gonadotropin releasing hormone-induced secretion of luteinizing hormone during the milk-ejection reflex in the postpartum beef cow. Jaeger JR, et al. **J Anim Sci** 1987 Aug;65(2):543-7

Naloxone-reversible inhibition of luteinizing hormone in postpartum ewes: effects of suckling and season. Malven PV, et al. **J Anim Sci** 1987 Jul;65(1):196-202

Influence of calf removal on the serum luteinizing hormone response to naloxone in the postpartum beef cow. Whisnant CS, et al. **J Anim Sci** 1986 Aug;63(2):561-4

Opioid inhibition of luteinizing hormone secretion during the postpartum period in suckled beef cows. Whisnant CS, et al. **J Anim Sci** 1986 Nov;63(5):1445-8

[Contraception in the puerperium] Litschgi M. **Gynakol Rundsch** 1986;26 Suppl 1:25-42 **(Ger)**

[Reproduction studies of VP 16-213 (VI)--Intravenous administration to rats during the perinatal and lactation periods] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:281-300 (Eng. Abstr.) **(Jpn)**

[Reproduction studies of VP 16-213 (IV)--Oral administration to rats during the perinatal and lactation periods] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:241-61 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

[Routine vaccination at the I. University Gynecologic Clinic.

Rhesus prevention and rubella vaccination in the puerperium] Gitsch E. **Gynakol Rundsch** 1986;26(4):231–4 **(Ger)**

METABOLISM

Luteal and plasma progesterone levels in heifers and late postpartum cows. Stupnicki R, et al. **Acta Vet Hung** 1986; 34(3–4):257–61

Lung water during the puerperium. MacLennan FM, et al. **Anaesthesia** 1987 Feb;42(2):141–7

Pharmacokinetics of cefoperazone in the parturient. Gonik B, et al. **Antimicrob Agents Chemother** 1986 Dec; 30(6):874–6

Estrone concentration in sow milk during and after parturition. Farmer C, et al. **J Anim Sci** 1987 Apr; 64(4):1086–9

Function of the hypothalamic–hypophysial axis during the post–partum period in ewes and cows. Nett TM. **J Reprod Fertil [Suppl]** 1987;34:201–13 (55 ref.)

Oxytocin and vasopressin immunoreactivity in hypothalamic and extrahypothalamic sites in late pregnant and postpartum rats. Caldwell JD, et al. **Neuroendocrinology** 1987 Jun;46(1):39–47

Postpartum increases in brain oxytocin binding. Insel TR. **Neuroendocrinology** 1986;44(4):515–8

[Study on the neuroendocrinological control of prolactin release in early puerperium] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jul; 39(7):1108–14 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Incidence of seizures during pregnancy, labor and puerperium in epileptic women: a prospective study. Bardy AH. **Acta Neurol Scand** 1987 May;75(5):356–60

Dynamic changes in ovarian structures and in progesterone secretion in the cow throughout the calving–to–conception interval. Stupnicki R, et al. **Acta Vet Hung** 1986; 34(3–4):247–55

The postpartum reproductive status of dairy cows in two areas in Iceland. Eldon J, et al. **Acta Vet Scand** 1986; 27(3):421–39

Arterial to end–tidal carbon dioxide tension difference during anaesthesia for tubal ligation. Shankar KB, et al. **Anaesthesia** 1987 May;42(5):482–6

Haemodynamic changes during the early puerperium. Robson SC, et al. **Br Med J [Clin Res]** 1987 Apr 25; 294(6579):1065

Blood pressure in the puerperium. Walters BN, et al. **Clin Sci** 1986 Nov;71(5):589–94

Postdelivery anthropometric measurements of mothers in the Mantsonyane area: Lesotho. Ten WE, et al. **East Afr Med J** 1986 Nov;63(11):699–704

Estrogens delay the postpartum recovery of the LH–RH–induced gonadotropin release. Van Exter C, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Aug;8(4):179–84

Study on the hyperresponsiveness of pituitary FSH to GnRH 6 weeks after delivery. Morishita H, et al. **Gynecol Obstet Invest** 1987;23(2):110–6

The postpartum interval and its relation to fertility in the cow, sow and ewe. Casida LE. **J Anim Sci** 1971;32 Suppl 1:66–72

Some influences of lactation and hormone treatment on uterine changes in postpartum sheep. Foote WC. **J Anim Sci** 1971;32 Suppl 1:48–54

Endocrine changes in the bovine during the postpartum period. Foote WD. **J Anim Sci** 1971;32 Suppl 1:73–9

Endocrinology of the postpartum period in the Pelibuey ewe. Gonzalez A, et al. **J Anim Sci** 1987 Jun;64(6):1717–24

Endogenous opioid modulation of luteinizing hormone and prolactin secretion in postpartum ewes and cows. Gregg DW, et al. **J Anim Sci** 1986 Sep;63(3):838–47

Effects of estradiol–17 beta, naloxone and gonadotropin releasing hormone on postpartum secretion of luteinizing hormone in fall–lambing ewes. Leakakos T, et al. **J Anim Sci** 1987 May;64(5):1484–90

Hypoglycemia alters pulsatile luteinizing hormone secretion in the postpartum beef cow. Rutter LM, et al. **J Anim Sci** 1987 Feb;64(2):479–88

Response of postpartum beef cows to exogenous progestogens and gonadotropin releasing hormone. Smith VG, et al. **J Anim Sci** 1987 Feb;64(2):540–51

Endocrine physiology following parturition. Wagner WC, et al. **J Anim Sci** 1971;32 Suppl 1:1–16 (116 ref.)

Postpartum return of ovarian activity in nonbreastfeeding women monitored by urinary assays. Gray RH, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):645–50

Effect of crude protein and solubility on performance and blood constituents of dairy cows. Blauwiekel R, et al. **J Dairy Sci** 1986 Aug;69(8):2091–8

Opiate involvement in postpartum aggression in rats. Kinsley CH, et al. **Pharmacol Biochem Behav** 1986 Nov; 25(5):1007–11

Affect and nurturance: mechanisms mediating maternal behavior in two female mammals. Fleming AS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):121–7

Endocrine regulation of postpartum ovarian activity in cattle: a review. Hanzen C. **Reprod Nutr Dev** 1986;26(6):1219–39 (203 ref.)

Postpartal ovarian function in Holstein and crossbred cows on large scale farms in Hungary. Huszenicza G, et al. **Zentralbl Veterinarmed [A]** 1987 Apr;34(4):249–63

[Histomorphologic changes in the endometrium of cattle during the puerperium] Erices J, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):826–39 (Eng. Abstr.) **(Ger)**

[Variations of puerperal ovarian activity in cattle] Schneebeli J, et al. **Schweiz Arch Tierheilkd** 1987 Jun;129(6):279–93 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Concerns of multiparas during the second postpartum week. Hiser PL. **J Obstet Gynecol Neonatal Nurs** 1987 May–Jun; 16(3):195–203

Postpartum mothers' perceptions of competence for infant care. Rutledge DL, et al. **J Obstet Gynecol Neonatal Nurs** 1987 May–Jun; 16(3):185–94

The relationship between expectations of pregnancy and birth, and transient depression in the immediate post–partum period. Knight RG, et al. **J Psychosom Res** 1987;31(3):351–7

Assessment of maternal postpartum adaptation. Affonso DD. **Public Health Nurs** 1987 Mar;4(1):9–20

The changing pattern of post–partum sexual abstinence in a Nigerian rural community. Isenalumhe AE, et al. **Soc Sci Med** 1986;23(7):683–6

[Prepartal expectations, behavior in labor and the puerperium and postpartal satisfaction with the labor experience. I. Significance of partner and prenatal preparation] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):432–4 (Eng. Abstr.) **(Ger)**

[Research on the psychological view of maternity in women in the puerperium] Paradiso S, et al. **Minerva Med** 1986 Dec 30;77(51–52):2349–58 (Eng. Abstr.) **(Ita)**

PUERTO RICANS see **HISPANIC AMERICANS**

PULMONARY ADENOMATOSIS, BOVINE see **PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE**

PULMONARY ADENOMATOSIS, OVINE

IMMUNOLOGY

Production of a macrophage chemotactic factor by cultured jaagsiekte tumour cells. Myer MS, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):9–15

METABOLISM

Demonstration of growth–inhibitory as well as growth–stimulatory factors in medium conditioned by lung lavage cells stimulated with a chemotactic factor secreted by jaagsiekte tumour cells. Myer MS, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):123–30

MICROBIOLOGY

Characteristics of a novel lentivirus derived from South African sheep with pulmonary adenocarcinoma (jaagsiekte). Quérat G, et al. **Virology** 1987 May; 158(1):158–67

TRANSMISSION

Experimental transmission of sheep pulmonary adenomatosis to a goat. Sharp JM, et al. **Vet Rec** 1986 Sep 6;119(10):245

PULMONARY ALVEOLAR PROTEINOSIS

Pulmonary alveolar proteinosis. A case report. Maharaj B, et al. **S Afr Med J** 1986 Nov 22;70(11):692–3

CHEMICALLY INDUCED

[Pulmonary alveolar proteinosis—an occupational disease?] Maintz G, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):140–4 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[A case of pulmonary alveolar proteinosis complicated by hypercholesteremia] Mitsusada M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):1008–12 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Prolonged spontaneous remission in a patient with untreated pulmonary alveolar proteinosis. Wilson DO, et al. **Am J Med** 1987 May;82(5):1014–6

[Pulmonary alveolar proteinosis and bronchoalveolar lavage] Yang JY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):144–6, 189 (Eng. Abstr.) **(Chi)**

[Pulmonary alveolar proteinosis diagnosed by bronchoalveolar lavage] Strausz J, et al. **Orv Hetil** 1987 Aug 16;128(33):1737–8 (Eng. Abstr.) **(Hun)**

[Experience with the diagnosis and therapy of pulmonary alveolar proteinosis] Vezendi S, et al. **Orv Hetil** 1987 Jan 4;128(1):13–7 (Eng. Abstr.) **(Hun)**

[Diagnosis and clinical course of pulmonary alveolar proteinosis] Gol'dshtein VD, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr;(2):69–74 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pulmonary alveolar lipoproteinosis in rats following intratracheal injection of pyrite particles. Governa M, et al. **J Toxicol Environ Health** 1986;19(3):403–12

METABOLISM

Structural relationships of the major glycoproteins from human alveolar proteinosis surfactant. Ross GF, et al. **Biochim Biophys Acta** 1987 Feb 25;911(3):294–305

Isolation and characterization of a mucin–type glycoprotein from the lung lavage of a patient with alveolar proteinosis. Munakata H, et al. **Int J Biochem** 1987;19(6):503–7

Pulmonary alveolar proteinosis: determination of prostaglandins and leukotrienes in lavage fluid. Zijlstra FJ, et al. **Lung** 1987;165(2):79–89

PATHOLOGY

Ultrastructural, histochemical, and freeze–fracture evaluation of multilamellated structures in human pulmonary alveolar proteinosis. Takemura T, et al. **Am J Anat** 1987 Jul; 179(3):258–68

Inorganic particulates associated with pulmonary alveolar proteinosis: SEM and X–ray microanalysis results. Abraham JL, et al. **Appl Pathol** 1986;4(3):138–46

[Relation between pulmonary cholesterol granulomatosis and alveolar proteinosis?] Häberle M, et al. **Prax Klin Pneumol** 1986 Nov;40(11):452–6 (Eng. Abstr.) **(Ger)**

[Pulmonary alveolar proteinosis—an occupational disease?] Maintz G, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):140–4 (Eng. Abstr.) **(Ger)**

[Pulmonary alveolar proteinosis (PAP). II. Studies on the lungs using scanning (SEM) and transmission electron microscopy (TEM)] Chyczewski L. **Patol Pol** 1986 Jul–Sep;37(3):275–81 (Eng. Abstr.) **(Pol)**

[Pulmonary alveolar proteinosis (PAP). I. Morphologic description of a case. Comparative histologic and histochemical studies of the lungs and sputum] Chyczewski L, et al. **Patol Pol** 1986 Jul–Sep;37(3):266–74 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Pulmonary alveolar proteinosis. Further evaluation of abnormal alveolar macrophages. Gonzalez–Rothi RJ, et al. **Chest** 1986 Nov;90(5):656–61

RADIOGRAPHY

[Pulmonary alveolar proteinosis. Apropos of a case. The value of mm.–thick CAT scan sections. A pulmonary lobe anatomic approach] Senac JP, et al. **J Radiol** 1986 May; 67(5):391–5 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Abnormal gallium scintigraphy in pulmonary alveolar proteinosis (PAP). Yeh SD, et al. **Clin Nucl Med** 1987 Apr; 12(4):294–7

THERAPY

Whole–lung lavage under hyperbaric oxygen conditions for alveolar proteinosis with respiratory failure. Jansen HM, et al. **Chest** 1987 Jun;91(6):829–32

Twenty–five–year follow–up of a patient treated with lung lavage for pulmonary alveolar proteinosis [letter] Green D, et al. **N Engl J Med** 1987 Sep 24;317(13):839–40

[Total pulmonary lavage in the treatment of alveolar proteinosis] Gerasin VA, et al. **Ter Arkh** 1986;58(12):18–9 (Eng. Abstr.) **(Rus)**

[Alveolar proteinosis. Diagnostic and therapeutic lung lavage using fiber bronchoscopy] Debeljak A, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):237–43 (Eng. Abstr.) **(Scr)**

PULMONARY ALVEOLI

Pulmonary alveolo–septal amyloidosis. Grégoire JM, et al. **Acta Clin Belg** 1986;41(6):388–94

The new pulmonary math. Applying the a/A ratio. Ahrens TS, et al. **Am J Nurs** 1987 Mar;87(3):337–40

Prognostic significance of bronchoalveolar lymphocytosis in farmer's lung. Cormier Y, et al. **Am Rev Respir Dis** 1987 Mar;135(3):692–5

Bronchoalveolar lavage in allergic asthmatics. Fick RB Jr, et al. **Am Rev Respir Dis** 1987 May;135(5):1204–9 (43 ref.)

Functional abnormalities of lung surfactant in experimental acute alveolar injury in the dog. Liau DF, et al. **Am Rev Respir Dis** 1987 Aug;136(2):395–401

Correlation of bronchoalveolar lavage and clinical and functional findings in asbestosis [letter] Yernault JC, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1335–6

The minimum alveolar concentration (MAC) of isoflurane in preterm neonates. LeDez KM, et al. **Anesthesiology** 1987 Sep;67(3):301–7

Immune alveolar hemorrhage. Leatherman JW. **Chest** 1987 Jun;91(6):891–7 (82 ref.)

Pulmonary alveolar microlithiasis. Hawass ND, et al.

Eur J Respir Dis 1986 Sep;69(3):199–203

Bronchoalveolar lavage in the investigation of disorders of the lower respiratory tract. Rossi GA.
Eur J Respir Dis 1986 Nov;69(5):293–315 (179 ref.)

Alveolar adenoma. Yousem SA, et al. **Hum Pathol** 1986 Oct; 17(10):1066–71

Evaluation of bronchoalveolar lavage (BAL) in diffuse infiltrative lung diseases. Gupta R, et al.
Indian J Chest Dis Allied Sci 1985 Oct–Dec;27(4):201–6

Effect of regional alveolar hypoxia on permeability pulmonary edema formation in dogs. Cheney FW, et al. **J Appl Physiol** 1987 Apr;62(4):1690–7

[Alveolar microlithiasis in children. Contribution of bronchoalveolar lavage] Ariole P, et al.
Arch Fr Pediatr 1987 Apr;44(4):291–3 (Eng. Abstr.) **(Fre)**

[Acute respiratory insufficiency following illicit silicone injections: the value of broncho–alveolar lavage] Chastre J, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):531–5 (Eng. Abstr.) **(Fre)**

[Use of the broncho–alveolar lavage technic in the clinical study of sarcoidosis patients] Georges R, et al.
Bull Acad Natl Med (Paris) 1986 Apr;170(4):517–24 (Eng. Abstr.) **(Fre)**

[Broncho–alveolar lavage, a spearhead in pneumological research] Voisin C, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):507–15 (Eng. Abstr.) **(Fre)**

[Alveolar microlithiasis. A study of minerals in the lung] Leduc D, et al. **Rev Mal Respir** 1987;4(1):39–42 (Eng. Abstr.) **(Fre)**

[Adrenergic receptors of the bronchoalveolar system in the obstructive syndrome] Remacle P, et al.
Rev Pneumol Clin 1987;43(2):69–74 (Eng. Abstr.) **(Fre)**

[Segmental bronchoalveolar lavage with a flexible tube via a rigid bronchoscope in a case of mediastinopulmonary sarcoidosis] Faina AG, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):257–61 (Eng. Abstr.) **(Rum)**

[Pulmonary alveolar microlithiasis] Gol'dshtein VD, et al. **Sov Med** 1987;(2):106–8 **(Rus)**

[Idiopathic rapidly progressive glomerulonephritis associated with diffuse alveolar hemorrhage: presentation of 2 cases] de los Santos S, et al. **Rev Clin Esp** 1986 Dec;179(9):454–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Asbestos bodies in bronchoalveolar lavage fluid. A study of 20 asbestos–exposed individuals and comparison to patients with other chronic interstitial lung diseases. Roggli VL, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):470–6

Hyaluronic acid in bronchoalveolar lavage in rats exposed to quartz. Tornling G, et al. **Br J Ind Med** 1987 Jul; 44(7):443–5

Mineralogical analysis of bronchoalveolar lavage in talc pneumoconiosis. de Vuyst P, et al. **Eur J Respir Dis** 1987 Mar;70(3):150–6

Normal alveolar epithelial lining fluid contains high levels of glutathione. Cantin AM, et al. **J Appl Physiol** 1987 Jul; 63(1):152–7

Chemical analysis of the bronchoalveolar washing fluid in the diagnosis of liquid paraffin pneumonia. Levade T, et al. **J Clin Chem Clin Biochem** 1987 Jan;25(1):45–8

Comparison of concentrations of two proteinase inhibitors, porcine pancreatic elastase inhibitory capacity, and cell profiles in sequential bronchoalveolar lavage samples. Morrison HM, et al. **Thorax** 1986 Jun;41(6):435–41

Effect of monocrotaline ingestion on the distribution of protein and angiotensin converting enzyme activity in the rat lung. Shale DJ, et al. **Thorax** 1986 Dec;41(12):914–8

[Measurement of tissue polypeptide antigen in BALF from patients with lung cancer] Kinoshita M, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Jun; 24(6):648–51 (Eng. Abstr.) **(Jpn)**

[Minerals in bronchoalveolar lavage and transbronchial biopsies] Aasen TB, et al. **Tidsskr Nor Laegeforen** 1987 Mar 30;107(9):844–7, 866 (Eng. Abstr.) **(Nor)**

[Correction of hypocapnia in hypoxic humans using biofeedback of alveolar carbon dioxide pressure] Breslav IS, et al. **Kosm Biol Aviakosm Med** 1987 May–Jun; 21(3):74–7 (Eng. Abstr.) **(Rus)**

[Diagnostic value of biochemical studies of bronchoalveolar lavage fluid in nonspecific endobronchitis] Kazakov KS, et al. **Probl Tuberk** 1986;(10):57–9 (Eng. Abstr.) **(Rus)**

[Changes in the surface activity of bronchoalveolar washings and their cellular composition in bronchial asthma] Mirrakhimov MM, et al. **Ter Arkh** 1987;59(3):31–6 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

A species comparison of alveolar size and surface forces. Lum H, et al. **J Appl Physiol** 1987 May;62(5):1865–71

BLOOD SUPPLY

Complement activation and increased alveolar–capillary permeability after major surgery and in adult respiratory distress syndrome. Hällgren R, et al. **Crit Care Med** 1987 Mar;15(3):189–93

Increased pulmonary alveolar–capillary permeability in patients at risk for adult respiratory distress syndrome. Tennenberg SD, et al. **Crit Care Med** 1987 Apr; 15(4):289–93

Occlusion of intra–acinar pulmonary arteries in pulmonary hypertensive congenital heart disease. Haworth SG, et al. **Int J Cardiol** 1986 Nov;13(2):207–17

Vertical gradient of pulmonary capillary transit times. Wagner WW Jr, et al. **J Appl Physiol** 1986 Oct;61(4):1270–4

Pulmonary microcirculation: differences in endothelia of subpleural and alveolar capillaries. DeFouw DO, et al.
Microvasc Res 1986 Nov;32(3):348–58

Pulmonary arterial changes in patients with ventricular septal defects and severe pulmonary hypertension. Fried R, et al. **Pediatr Cardiol** 1986;7(3):147–54

Solute permeability of the alveolar capillary barrier. Barrowcliffe MP, et al. **Thorax** 1987 Jan;42(1):1–10 (88 ref.)

CYTOLOGY

Cytologic evaluation of bronchoalveolar lavage specimens in immunosuppressed patients with suspected opportunistic infections. DeFine LA, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):235–42

Cytomorphology of Alternaria in bronchoalveolar lavage specimens. Radio SJ, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):243–8

Alveolar lymphocyte proliferation induced by Propionibacterium acnes in sarcoidosis patients. Nakata Y, et al. **Acta Med Okayama** 1986 Oct;40(5):257–64

In vitro fibrinolytic activity and viability of rat alveolar macrophages treated with inflammation generating mineral dusts. Donaldson K, et al. **Agents Actions** 1987 Feb; 20(1–2):87–92

Pulmonary cell reactions and occupational lung disease: revision of terminology [editorial] Rylander R.
Am J Ind Med 1987;11(5):495–6

Tumor necrosis factor production by human sarcoid alveolar macrophages. Bachwich PR, et al. **Am J Pathol** 1986 Dec; 125(3):421–5

Isolation of pulmonary alveolar type I cells from adult rats. Weller NK, et al. **Am J Pathol** 1986 Sep;124(3):448–56

Measurement of superoxide release from single pulmonary alveolar macrophages. DiGregorio KA, et al.
Am J Physiol 1987 Jun;252(6 Pt 1):C677–83

Water permeability of alveolar macrophages. Garrick RA, et al. **Am J Physiol** 1986 Oct:251(4 Pt 1):C524–8

Human alveolar macrophages secrete an inhibitor of metalloproteinase elastase. Albin RJ, et al.
Am Rev Respir Dis 1987 Jun;135(6):1281–5

Differential examination of bronchoalveolar lavage cells in tobacco cigarette and marijuana smokers. Barbers RG, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1271–5

The relationship between bronchoalveolar neutrophil recruitment and bronchoconstriction induced by a soluble extract of cotton bracts. Cooper JA Jr, et al.
Am Rev Respir Dis 1986 Nov;134(5):975–82

Proliferation of pulmonary alveolar macrophages during postnatal development of rabbit lungs. Evans MJ, et al. **Am Rev Respir Dis** 1987 Aug;136(2):384–7

Carbohydrate differences in HLA–DR molecules synthesized by alveolar macrophages and blood monocytes. Ferro TJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1340–4

Sialic acid mediates the initial binding of positively charged inorganic particles to alveolar macrophage membranes. Gallagher JE, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1345–52

Immunoregulatory functions of human alveolar macrophages [editorial] Hunninghake GW. **Am Rev Respir Dis** 1987 Aug; 136(2):253–4

Comparative oxidative microbicidal activity of human blood monocytes and alveolar macrophages and activation by recombinant gamma interferon. Kemmerich B, et al.
Am Rev Respir Dis 1987 Aug;136(2):266–70

Interactions between alveolar macrophages, monocytes, and granulocytes. Implications for airway inflammation. Lee TH. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S14–7 (61 ref.)

Spectrum of immunoregulatory functions and properties of human alveolar macrophages. Rich EA, et al.
Am Rev Respir Dis 1987 Aug;136(2):258–65

Inhalation of endotoxin stimulates alveolar macrophage production of platelet–activating factor. Rylander R, et al. **Am Rev Respir Dis** 1987 Jan;135(1):83–6

Maintenance of the normal rat alveolar macrophage cell population. The roles of monocyte influx and alveolar macrophage proliferation in situ. Shellito J, et al.
Am Rev Respir Dis 1987 Jan;135(1):78–82

Filamentary tubular inclusions in type II pneumocytes of the guinea pig. Manabe T, et al. **Anat Rec** 1986 Sep;216(1):55–9

Detoxifying activities in alveolar macrophages of rats treated with acetylcysteine, diethyl maleate and/or aroclor. De Flora S, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1009–12

Enhancement of bronchoalveolar cell recovery and stimulation of alveolar macrophage chemiluminescence and resistance to influenza virus after treatment with RU 41821 aerosol. Rudent A, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):920–4

A photometric analysis of free alveolar macrophages (FAMs) in smoking and nonsmoking firefighters. Mehm WJ, et al.
Aviat Space Environ Med 1986 Oct;57(10 Pt 1):980–5

Lysosomal and cytosolic sialidases in rabbit alveolar macrophages: demonstration of increased lysosomal activity after in vivo activation with bacillus Calmette–Guerin. Pilatte Y, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):150–5

Changes in the cell surface protein composition of human alveolar macrophages induced by smoking. Skubitz KM, et al. **Cancer Res** 1987 Jun 15;47(12):3072–82

Stimulation of IgE sensitized human alveolar macrophages by anti–IgE is unaffected by sodium cromoglycate. Fuller RW, et al. **Clin Allergy** 1986 Nov;16(6):523–6

Effects of immunopotentiating agents on alveolar macrophage properties. Charley B.
Comp Immunol Microbiol Infect Dis 1986;9(2–3):155–9 (40 ref.)

The relationship between fusion and proliferation in mouse alveolar macrophages. Abe E, et al. **Endocrinology** 1987 Jul;121(1):271–7

Alteration of lipid metabolism associated with the activation of mouse alveolar macrophages induced by 1 alpha, 25–dihydroxyvitamin D3. Miyaura C, et al.
Endocrinology 1987 May;120(5):1813–20

A quantitative assay for the adhesion of alveolar type II cells: application to the study of epithelial–fibroblast interactions. Bhandari R, et al. **Exp Lung Res** 1987;12(4):363–70

Effects of cis–hydroxyproline on type II cell development in fetal rat lung. King GM, et al. **Exp Lung Res** 1987; 12(4):347–62

Altered morphology, growth, and biosynthetic activity of a type 2 pneumocyte–related cell strain induced by lymphokine–enriched supernatants of mitogen–stimulated spleen cells. Kumar RK, et al. **Exp Lung Res** 1986; 11(2):129–44

Characterization of rat alveolar type II cells in vitro by immunological, biochemical, and morphological criteria. McMahon JB, et al. **Exp Lung Res** 1986;11(4):263–75

Alveolar epithelial changes in rabbits after a 21–day exposure to 60% O2. Holm BA, et al. **J Appl Physiol** 1987 Jun; 62(6):2230–6

The ligand binding specificity and tissue localization of a rat alveolar macrophage lectin. Haltiwanger RS, et al.
J Biol Chem 1986 Nov 25;261(33):15696–702

Modulation of alveolar macrophage–derived 5–lipoxygenase products by the sulfhydryl reactant, N–ethylmaleimide. Peters–Golden M, et al. **J Biol Chem** 1987 Aug 5; 262(22):10594–600

Synthesis in vitro of 1,25–dihydroxyvitamin D3 and 24,25–dihydroxyvitamin D3 by interferon–gamma–stimulated normal human bone marrow and alveolar macrophages. Reichel H, et al.
J Biol Chem 1987 Aug 15;262(23):10931–7

Rabbit alveolar macrophages contain a Ca2+–sensitive, 41,000–dalton protein which reversibly blocks the "barbed" ends of actin filaments but does not sever them. Southwick FS, et al. **J Biol Chem** 1986 Oct 25;261(30):14191–5

Surfactant apoprotein Mr = 26,000–36,000 enhances uptake of liposomes by type II cells. Wright JR, et al.
J Biol Chem 1987 Feb 25;262(6):2888–94

Assembly of the prothrombin activator complex on rabbit alveolar macrophage high–affinity factor Xa receptors. A kinetic study. McGee MP, et al. **J Exp Med** 1986 Dec 1;164(6):1902–14

Prostaglandin synthesis and release by subpopulations of rat alveolar macrophages. Chandler DB, et al. **J Immunol** 1987 Aug 1;139(3):893–8

Iron binding, internalization, and fate in human alveolar macrophages. McGowan SE, et al. **J Lab Clin Med** 1986 Dec;108(6):587–95

Morphologic and functional heterogeneity among rat alveolar macrophage fractions isolated by centrifugation on density gradients. Oghiso Y. **J Leukocyte Biol** 1987 Sep; 42(3):188–96

Size and filterability of human and hamster pulmonary macrophages exposed to cigarette smoke. Smith CM 2d, et al. **J Leukocyte Biol** 1986 Nov;40(5):601–15

Intravascular macrophages in the sheep lung. Wheeldon EB, et al. **J Leukocyte Biol** 1986 Nov;40(5):657–61

Dual effects of Haemophilus influenzae on guinea pig tracheal beta–adrenergic receptor function: involvement of oxygen–centered radicals from pulmonary macrophages. Engels F, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):994–9

Isolation, biochemical characterization, and culture of lung type II cells of the rat. Richards RJ, et al. **Lung** 1987; 165(3):143–58

Bronchoalveolar lavage and opportunistic pulmonary infections [editorial] Helmers RA, et al.
Mayo Clin Proc 1987 Jul;62(7):630–1

Role of bronchoalveolar lavage in the assessment of opportunistic pulmonary infections: utility and complications. Martin WJ 2d, et al. **Mayo Clin Proc** 1987 Jul;62(7):549–57

Feline interleukin 1 derived from alveolar macrophages stimulated with lipopolysaccharide. Goitsuka R, et al.
Nippon Juigaku Zasshi 1987 Aug;49(4):631–6

Heterogeneity in immunologic functions among canine alveolar macrophage subfractions. Oghiso Y, et al.
Nippon Juigaku Zasshi 1986 Dec;48(6):1125–34

Clinical studies on human alveolar macrophages. II. Functions of alveolar macrophages collected by bronchoalveolar lavage. Shiota Y.
Nippon Ketsueki Gakkai Zasshi 1987 Feb;50(1):79–88

Functional studies of alveolar macrophages. Voisin C.
Panminerva Med 1986 Apr–Jun;28(2):133–6

Peroxidase activity in human alveolar macrophages demonstrated by 3–amino–9–ethyl–carbazol as substrate. Wehle K, et al. **Pathol Res Pract** 1987 Feb;182(1):107–9

Comparison of 5– and 15–lipoxygenase activities in blood and alveolar leukocyte preparations from normal subjects

and patients with eosinophilia. Laviolette M, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):191–9

The effect of leukotrienes on porcine alveolar macrophage function. Paterson NA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):147–61

Alveolar macrophage characteristics: effect of repeated lavages on cell activity. Bielefeldt Ohmann H, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):331–46

Enumeration of lymphocyte subpopulations in bronchoalveolar lavage of monkeys using an immunoenzymatic staining technique. Mason MJ, et al. **Vet Immunol Immunopathol** 1986 Dec;13(4):347–55

[Effect of coal particles on the pulmonary macrophage of rabbits in vitro] Wu CQ, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):57–61 (Eng. Abstr.) **(Chi)**

[Interstitial pneumopathies during amiodarone treatment. Determination of serum amiodarone, typing of lymphocytes from bronchiolo-alveolar lavage] Meurice JC, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1074–80 (Eng. Abstr.) **(Fre)**

[Analysis by broncho-alveolar lavage of the pulmonary uptake of gallium 67 in idiopathic diffuse interstitial fibrosis and sarcoidosis] Vergnon JM, et al. **Rev Mal Respir** 1987; 4(2):85–93 (Eng. Abstr.) **(Fre)**

[Subacute pneumopathy caused by hydrochlorothiazide. Cytologic study of the broncho-alveolar lavage] Watrigant Y, et al. **Rev Mal Respir** 1986;3(4):227–9 (Eng. Abstr.) **(Fre)**

[The role of broncho-alveolar lavage in clinical pneumology and research] Junod AF. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1235–8 (Eng. Abstr.) **(Fre)**

[Technic and method of broncho-alveolar lavage in interstitial lung diseases] Costabel U. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1238–44 (Eng. Abstr.) **(Ger)**

[Evaluation of NAD glycohydrolase in leukocytes from peripheral blood and broncho-alveolar lavage in man] Sestini S, et al. **Boll Soc Ital Biol Sper** 1986 May 30; 62(5):609–12 (Eng. Abstr.) **(Ita)**

[Time course of airway hyperresponsiveness and polymorphonuclear leukocyte counts in bronchoalveolar lavage fluid following endotoxin inhalation] Mutoh T, et al. **Arerugi** 1987 Feb;36(2):93–100 (Eng. Abstr.) **(Jpn)**

[The differential cell counts of bronchoalveolar lavage fluid and interleukin 1 production by alveolar macrophages in patients with collagen-vascular diseases complicated with interstitial pneumonia] Sekimoto S, et al. **Arerugi** 1986 Sep; 35(9):968–74 (Eng. Abstr.) **(Jpn)**

[A monoclonal antibody, AMH-1, reactive with human alveolar macrophages] Chida K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep;24(9):951–8 (Eng. Abstr.) **(Jpn)**

[T-lymphocytosis and lymphokines in bronchoalveolar lavage fluid of a gold salt-induced pneumonitis] Ikeda S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1258–65 (Eng. Abstr.) **(Jpn)**

[Diagnostic value and significance of BALF cell analysis in patients with pulmonary diseases] Mikami M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):99–105 (Eng. Abstr.) **(Jpn)**

[Cell cycle of alveolar macrophages in various pulmonary diseases] Yoshikawa K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):774–8 **(Jpn)**

[Phagocytic activity of free pulmonary macrophages following gamma-irradiation] Fetisova LI. **Med Radiol (Mosk)** 1987 May;32(5):74–6 **(Rus)**

[Cytochemical study of alveolar macrophages] Radak Dj, et al. **Srp Arh Celok Lek** 1986 Jul;114(7):621–9 (Eng. Abstr.) **(Scc)**

DRUG EFFECTS

Alveolar macrophages from expectorates as indicators of pulmonary irritation in primary aluminum reduction plant workers. Nilsen AM, et al. **Am J Ind Med** 1987; 12(1):101–12

Bronchoalveolar neutrophilia during late asthmatic reactions induced by toluene diisocyanate. Fabbri LM, et al. **Am Rev Respir Dis** 1987 Jul;136(1):36–42

Bronchoalveolar lavage procoagulant activity in bleomycin-induced lung injury in marmosets. Characterization and relationship to fibrin deposition and fibrosis. Idell S, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):124–33

The pulmonary disposition of theophylline and its influence on human alveolar macrophage bactericidal function. O'Neill SJ, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1225–8

Inhibition by reactive aldehydes of superoxide anion radical production from stimulated polymorphonuclear leukocytes and pulmonary alveolar macrophages. Effects on cellular sulfhydryl groups and NADPH oxidase activity. Witz G, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):721–6

Lysozyme activity in ultrastructurally defined fractions of alveolar macrophages after inhalation exposure to nickel. Johansson A, et al. **Br J Ind Med** 1987 Jan;44(1):47–52

Alveolar sampling and fast kinetics of tetrachloroethene in man. II. Fast kinetics. Opdam JJ, et al. **Br J Ind Med** 1987 Jan;44(1):26–34

Generation of superoxide (O2-.) from alveolar macrophages exposed to asbestiform and nonfibrous particles. Hansen K, et al. **Cancer Res** 1987 Mar 15;47(6):1681–6

Effects of exposure to NO2 on dome formation in alveolar epithelial cell monolayers. Cheek JM, et al. **Environ Res** 1987 Feb;42(1):1–11

Distribution of DNA and RNA content in the bone marrow and alveolar macrophages of rats after subchronic inhalation of formaldehyde. Dallas CE, et al. **Environ Res** 1987 Jun;43(1):191–202

Nodular accumulation of type II cells and inflammatory lesions caused by inhalation of low cobalt concentrations. Johansson A, et al. **Environ Res** 1987 Jun;43(1):227–43

Rabbit alveolar macrophages after long-term inhalation of soluble cobalt. Johansson A, et al. **Environ Res** 1986 Dec; 41(2):488–96

Cytotoxicity of the rare earth metals cerium, lanthanum, and neodymium in vitro: comparisons with cadmium in a pulmonary macrophage primary culture system. Palmer RJ, et al. **Environ Res** 1987 Jun;43(1):142–56

Toxicity of penicillic acid for rat alveolar macrophages in vitro. Sorenson WG, et al. **Environ Res** 1986 Dec; 41(2):505–13

Stimulation of alveolar macrophages by mineral dusts in vitro: luminol-dependent chemiluminescence study. Vilim V, et al. **Environ Res** 1987 Feb;42(1):246–56

Early alveolar clearance of particles in rabbits undergoing acute and subchronic exposure to ozone. Driscoll KE, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):264–71

Functional assessment of rabbit alveolar macrophages following intermittent inhalation exposures to sulfuric acid mist. Schlesinger RB. **Fundam Appl Toxicol** 1987 Apr; 8(3):328–34

An in vitro model for the exposure of lung alveolar epithelial cells to toxic gases. Zamora PO, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):159–68

Effect of intratracheal instillation of cadmium chloride on phospholipids in alveolar wash fluid. Amanuma K, et al. **Toxicology** 1987 Jun;44(3):321–8

[Ultrastructure of pulmonary alveolar macrophages in peroral exposure to nitrosodimethylamine] Fetisov VV, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):114–7 (Eng. Abstr.) **(Rus)**

[Effect of colchicine and pilocarpine on the secretory activity of type-II alveolocytes in the lungs of rats] Pokrovskaia MS. **Biull Eksp Biol Med** 1987 Jan;103(1):111–4 **(Rus)**

ENZYMOLOGY

Value of determination of kininase II in bronchoalveolar lavage fluid. Schweisfurth H, et al. **Adv Exp Med Biol** 1986; 198 Pt A:523–8

Petroleum hydrocarbon toxicity in vitro: effect of n-alkanes, benzene and toluene on pulmonary alveolar macrophages and lysosomal enzymes of the lung. Suleiman SA. **Arch Toxicol** 1987 Apr;59(6):402–7

Activity of long chain acyl-CoA synthetase in isolated alveolar type II cells. Haq RU, et al. **Biochim Biophys Acta** 1987 Mar 13;918(1):36–9

Selective inhibition of 5-lipoxygenase pathway in rat pulmonary alveolar macrophages by cigarette smoking. Mobley A, et al. **Biochim Biophys Acta** 1987 Apr 3; 918(2):115–9

Changes in enzyme content and activity of alveolar macrophages in smokers and COLD patients. Huidekoper HJ, et al. **Eur J Respir Dis [Suppl]** 1986;146:195–201

Changes in alveolar macrophage enzyme content and activity in smokers and patients with chronic obstructive lung disease. Terpstra GK, et al. **Int J Clin Pharmacol Res** 1987; 7(4):273–7

Cytochemical quantitation of cytochrome oxidase activity in rat pulmonary alveolar epithelial cells and possible defect in type I cells. Hirai K, et al. **J Electron Microsc (Tokyo)** 1986;35(1):19–28

Cytoplasmic enzyme patterns in isolated hamster pulmonary alveolar type II cells. Smith SK, et al. **Life Sci** 1987 Aug 31;41(9):1097–107

Subcellular localization of angiotensin-converting enzyme in the human alveolar macrophage. Eklund A, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):47–54

GROWTH & DEVELOPMENT

Monoclonal antibody identification of a type II alveolar epithelial cell antigen and expression of the antigen during lung development. Funkhouser JD, et al. **Dev Biol** 1987 Jan;119(1):190–8

IMMUNOLOGY

Detection of HTLV-III/LAV-specific IgG and antigen in bronchoalveolar lavage fluid from two patients with lymphocytic interstitial pneumonitis associated with AIDS-related complex. Resnick L, et al. **Am J Med** 1987 Mar;82(3):553–6

Binding of anti-basement membrane antibody to alveolar basement membrane after intratracheal gasoline instillation in rabbits. Yamamoto T, et al. **Am J Pathol** 1987 Mar; 126(3):497–505

Human alveolar lining material and antibacterial defenses [letter] Coonrod JD. **Am Rev Respir Dis** 1986 Dec; 134(6):1337

Human alveolar macrophages suppress interleukin-1 (IL-1) activity via the secretion of prostaglandin E2. Monick M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):72–7

Antigenic release of paf-acether and beta-glucuronidase from alveolar macrophages of asthmatics. Arnoux B, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):119–24

Role of antitumor activity of alveolar macrophages in lung cancer patients. Kuda T, et al. **Cancer Res** 1987 Apr 15; 47(8):2199–202

Immunoglobulin E-dependent stimulation of human alveolar macrophages: significance in type 1 hypersensitivity. Fuller RW, et al. **Clin Exp Immunol** 1986 Aug;65(2):416–26

Expression of class II MHC antigens on alveolar epithelium in fibrosing alveolitis. Kallenberg CG, et al. **Clin Exp Immunol** 1987 Jan;67(1):182–90

Identification of Goodpasture target antigens in basement membranes of human glomeruli, lung, and placenta. Weber M, et al. **Clin Exp Immunol** 1987 Feb;67(2):262–9

Phagocytosis and killing of Haemophilus influenzae by alveolar macrophages: no difference between smokers and non-smokers. Jonsson S, et al. **Eur J Respir Dis** 1987 May; 70(5):309–15

Histochemical characterization of an antigen specific for the great alveolar cell in the mouse lung. Van Hemert FJ, et al. **Histochemistry** 1986;85(6):497–504

Immuno- and histochemical studies on galactan and human blood group-related receptors in the bovine lung. Vierbuchen M, et al. **Immunobiology** 1986 Aug; 172(1–2):11–20

Levels and specificity of antibody in bronchoalveolar lavage (BAL) and serum in an animal model of trimellitic anhydride-induced lung injury. Chandler MJ, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):223–9

Modulation of natural killer cell function by human alveolar macrophages. Weissman DN, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):571–7

Thromboxane contributes to the immediate antigenic response of canine peripheral airways. Kleeberger SR, et al. **J Appl Physiol** 1987 Apr;62(4):1589–95

Expression of class II major histocompatibility complex antigens on alveolar epithelium in interstitial lung disease: relevance to pathogenesis of idiopathic pulmonary fibrosis. Kallenberg CG, et al. **J Clin Pathol** 1987 Jul;40(7):725–33

Lymphocytes of bronchoalveolar lavages from heart-lung transplant recipients. Zeevi A, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):417–21

Alveolar macrophage phagocytic kinetics following pulmonary parainfluenza-3 virus infection. Slauson DO, et al. **J Leukocyte Biol** 1987 May;41(5):412–20

Human alveolar macrophages: wheat germ agglutinin-dependent tumor cell killing. Ogawara M, et al. **Jpn J Cancer Res** 1987 Mar;78(3):288–95

Phagocytosis of agarose beads by receptors for C3b (CR1) and iC3b (CR3) on human alveolar macrophages cultured on fibronectin in vitro. A scanning electron microscopic study. Johnson E, et al. **Scand J Immunol** 1986 Dec; 24(6):653–60

Bronchoalveolar macrophage-lymphocyte reactivity in heart-lung transplant recipients. Zeevi A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2537–40

[Lymphocyte typing in blood and alveolar lavage fluid of asthmatic patients (letter)] Rey F, et al. **Presse Med** 1987 Feb 28;16(7):358 **(Fre)**

[Immunological data furnished by alveolar lavage in bronchopulmonary tumor pathology] Lemarie E, et al. **Rev Mal Respir** 1987;4(1):11–6 (Eng. Abstr.) **(Fre)**

[Analysis of the host defense mechanism of the broncho-alveolar system, and pathogenesis of chronic airway disease by the lavage methods with special reference to local specificity] Yasuoka S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1216–20 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 1. The defense mechanism of pulmonary alveolar airway. b. Humoral and cellular defense mechanisms] Ida S, et al. **Nippon Rinsho** 1987 Mar;45(3):456–60 (15 ref.) **(Jpn)**

[Study of alveolar macrophages stimulated with zymosan in vivo using fluorescent probes] Shishkina LN, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):319–21 (Eng. Abstr.) **(Rus)**

[T- and B-lymphocyte numbers in bronchoalveolar washings from patients with sarcoidosis] Averbakh MM, et al. **Klin Med (Mosk)** 1986 Dec;64(12):44–7 (Eng. Abstr.) **(Rus)**

[Interdependence of the functional indices of phagocytosing cells from the peripheral blood and from bronchoalveolar washings in patients with lung pathology] Chernushenko EF, et al. **Lab Delo** 1986;(7):433–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Characterization of Na+-H+ antiport in type II alveolar epithelial cells. Nord EP, et al. **Am J Physiol** 1987 May; 252(5 Pt 1):C490–8

Complement activity in normal rabbit bronchoalveolar fluid. Description of an inhibitor of C3 activation. Giclas PC, et al. **Am Rev Respir Dis** 1987 Feb;135(2):403–11

Acute effect of nitrogen dioxide exposure on the functional activity of alpha-1-protease inhibitor in bronchoalveolar lavage fluid of normal subjects. Mohsenin V, et al. **Am Rev Respir Dis** 1987 Sep;136(3):646–50

Receptor-mediated O2- release by alveolar macrophages and peripheral blood monocytes from smokers and nonsmokers. Priming and triggering effects of monomeric IgG, concanavalin A, N-formyl-methionyl-leucyl-phenylalanine, phorbol

myristate acetate, and cytochalasin D. Nakashima H, et al. **Am Rev Respir Dis** 1987 Aug;136(2):310–5

Bronchial and alveolar absorption of inhaled 99mTc–DTPA. Oberdörster G, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):944–50

Inhibition by methylprednisolone of zymosan–induced leukotriene synthesis in alveolar macrophages. Peters–Golden M, et al. **Am Rev Respir Dis** 1987 May; 135(5):1020–6

Complement component C5 is required for release of alveolar macrophage–derived neutrophil chemotactic activity. Robbins RA, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):659–64

Tissue fibrin deposition during acute lung injury in rabbits and its relationship to local expression of procoagulant and fibrinolytic activities. Sitrin RG, et al. **Am Rev Respir Dis** 1987 Apr;135(4):930–6

Insulin stimulates amino acid transport by alveolar type II epithelial cells in primary culture. Sugahara K, et al. **Am Rev Respir Dis** 1987 Mar;135(3):617–21

Heterogeneity of beta–adrenoreceptors in guinea pig alveolar type II cells. Das SK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):898–903

Characterization of [3H]Ro5–4864 binding to "peripheral" benzodiazepine receptors in guinea pig alveolar type II cells. Das SK, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2221–4

Protection against paraquat–induced injury by exogenous GSH in pulmonary alveolar type II cells. Hagen TM, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4537–42

Changes induced by PAF–acether in diacyl and ether phospholipids from guinea–pig alveolar macrophages. Bachelet M, et al. **Biochim Biophys Acta** 1986 Sep 12; 878(2):177–83

In vitro sulfation of pulmonary surfactant–associated protein–35. Weaver TE, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):205–11

Alveolar sampling and fast kinetics of tetrachloroethene in man. I. Alveolar sampling. Opdam JJ, et al. **Br J Ind Med** 1986 Dec;43(12):814–24

Studies on regional differences in pre–inspiratory lung volume and pre–inspiratory alveolar N2 concentration by a single breath method. Fujita M. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar;13(1–2):7–18

Functional and immunoreactive alpha 1 proteinase inhibitor in bronchoalveolar lavages: methodological studies. el Yamani J, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug; 22(4):359–63

Xenobiotic metabolism in human alveolar type II cells isolated by centrifugal elutriation and density gradient centrifugation. Devereux TR, et al. **Cancer Res** 1986 Oct; 46(10):5438–43

o,p'–DDD in the mouse lung: selective uptake, covalent binding and effect on drug metabolism. Lund BO, et al. **Chem Biol Interact** 1986 Nov;60(2):129–41

No penetration of orally administered N–acetylcysteine into bronchoalveolar lavage fluid. Cotgreave IA, et al. **Eur J Respir Dis** 1987 Feb;70(2):73–7

Effect of nedocromil sodium on TXB2, LTB4 and LTD4 synthesis by alveolar macrophages from asthmatic patients. Damon M, et al. **Eur J Respir Dis [Suppl]** 1986;147:206–9

The role of sera, growth factors, and hormones in the in vitro production of disaturated phosphatidylcholine and propagation of undifferentiated type II alveolar cells from the fetal rabbit lung. Scott JE. **Exp Lung Res** 1987; 12(3):181–94

Dissolution of two arsenic compounds by rabbit alveolar macrophages in vitro. Marafante E, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):382–8

Measurement of particle clearance from the alveolar region of the rabbit respiratory tract. Schlesinger RB, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):256–63

Histamine release and circulating cells after antigen inhalation in allergic dogs. Chung KF, et al. **J Appl Physiol** 1987 Jan;62(1):253–8

Degradation and reutilization of alveolar phosphatidylcholine by rat lungs. Fisher AB, et al. **J Appl Physiol** 1987 Jun; 62(6):2295–9

Evidence for active sodium transport across alveolar epithelium of isolated rat lung. Goodman BE, et al. **J Appl Physiol** 1987 Jun;62(6):2460–6

Protein permeability in the adult respiratory distress syndrome. Loss of size selectivity of the alveolar epithelium. Holter JF, et al. **J Clin Invest** 1986 Dec; 78(6):1513–22

Differential prostaglandin production by unfractionated and density–fractionated human monocytes and alveolar macrophages. Elias JA, et al. **J Leukocyte Biol** 1987 Aug; 42(2):114–21

Interactions of beta adrenergic antagonists with isolated rat alveolar type II pneumocytes. I. Analysis, characterization and regulation of specific beta adrenergic receptors. Fabisiak JP, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):722–7

Interactions of beta adrenergic antagonists with isolated rat alveolar type II pneumocytes. II. Receptor–independent accumulation of beta adrenergic antagonists and other cationic amphiphilic drugs in lamellar bodies. Fabisiak JP, et al. **J Pharmacol Exp Ther** 1987 May;241(2):728–35

Alveolar macrophage gold retention in rheumatoid arthritis. Garcia JG, et al. **J Rheumatol** 1987 Jun;14(3):435–8

Metabolism of testosterone to 17 beta–hydroxy–5 alpha–androstane–3–one and 5 alpha–androstane–3 alpha, 17 beta–diol in alveolar macrophages from rat lung—II. Effects of intratracheal instillation of 3.4 mumol K2Cr2O7. Lofthus R, et al. **J Steroid Biochem** 1986 Oct;25(4):541–6

Changes in early alveolar particle clearance due to single and repeated nitrogen dioxide exposures in the rabbit. Vollmuth TA, et al. **J Toxicol Environ Health** 1986; 19(2):255–66

Inhibitory effect of N–(3,4–dimethoxycinnamoyl)anthranilic acid on release of SRS from alveolar macrophages in vitro. Yasuoka S, et al. **Jpn J Pharmacol** 1986 Sep;42(1):35–41

Procollagen III peptide in bronchoalveolar lavage fluid. A potential marker of altered collagen synthesis reflecting pulmonary disease in sarcoidosis. Bjermer L, et al. **Lab Invest** 1986 Dec;55(6):654–6

Beta–adrenergic receptor properties of a pulmonary alveolar type II cell preparation from the adult rat. Jones LG, et al. **Lung** 1987;165(4):201–11

Enhanced interleukin 1 production by alveolar macrophages and increase in Ia–positive lung cells in silica–exposed rats. Oghiso Y, et al. **Microbiol Immunol** 1986;30(11):1189–98

Reaction pattern of alveolar cells in the posttraumatic lung failure. Joka T, et al. **Prog Clin Biol Res** 1987;236A:509–15

Generation of leukotrienes in polytraumatic patients with adult respiratory distress syndrome (ARDS). Knöller J, et al. **Prog Clin Biol Res** 1987;236A:311–6

Phospholipid lung profile in adult respiratory distress syndrome—evidence for surfactant abnormality. Pison U, et al. **Prog Clin Biol Res** 1987;236A:517–23

Biologic availability of injected or aerosolized alpha 1 proteinase inhibitor. Smith RM, et al. **Prog Clin Biol Res** 1987;236A:203–10

Metabolism of prostaglandin PG–F2 alpha by freshly isolated alveolar type II cells from lungs of adult male or pregnant rabbits. Devereux TR, et al. **Prostaglandins Leukotrienes Med** 1987 Apr;27(1):43–52

Assessment of bronchoalveolar lavage fluid and plasma for sulfidopeptide leukotrienes during endotoxemia in pigs. Olson NC, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):203–14

Increase in thromboxane B2 and decrease in prostaglandin E2 and 6–keto–prostaglandin F1 alpha release into rat bronchoalveolar fluid as a consequence of cigarette smoking. Tanizawa H, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):195–201

Diffusion limitation and limitation by chemical reactions during alveolar–capillary transfer of oxygen–labeled CO2. Schuster KD. **Respir Physiol** 1987 Jan;67(1):13–22

Surfactant synthesis, secretion, and function in alveoli and small airways. Review of the physiologic basis for pharmacologic intervention. Mason RJ. **Respiration** 1987; 51 Suppl 1:3–9 (37 ref.)

Role of alveolar phospholipids in bleomycin–induced pulmonary fibrosis in the rat. Pozzi E, et al. **Respiration** 1987;51 Suppl 1:23–32

Human alveolar macrophages synthesize the functional alternative pathway of complement and active C5 and C9 in vitro. Hetland G, et al. **Scand J Immunol** 1986 Nov; 24(5):603–8

Analysis of bronchoalveolar lavage fluid from bleomycin–induced pulmonary fibrosis in hamsters. Giri SN, et al. **Toxicol Pathol** 1986;14(2):149–57

Formation and accumulation of O6–ethylguanine in DNA of enriched populations of Clara cells, alveolar type II cells, and macrophages of hamsters exposed to diethylnitrosamine. Fong AT, et al. **Toxicology** 1987 Mar; 43(3):289–99

Peanut lectin binding to the alveolar lining layer in hyaline membrane disease. Barresi G, et al. **Virchows Arch [A]** 1987; 411(2):157–60

[Effects of hyperoxia on phospholipid metabolism and on intracellular structure of cultured type II pneumocytes] Saito K. **Kokyu To Junkan** 1986 Oct;34(10):1079–85 (Eng. Abstr.) **(Jpn)**

[Penetration of antimicrobial agents into the broncho–alveolar system and fibrin deposition in bronchial basement membrane] Tazawa H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1247–52 (Eng. Abstr.) **(Jpn)**

[Assessment of the production of surfactant by type II alveolocytes during chemotherapy of experimental pulmonary tuberculosis] Erokhin VV, et al. **Probl Tuberk** 1986;(11):54–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Direct in situ hybridization for rapid detection of cytomegalovirus in bronchoalveolar lavage. Hilborne LH, et al. **Am J Clin Pathol** 1987 Jun;87(6):766–9

Growth inhibition of Blastomyces dermatitidis in alveolar and peripheral macrophages from patients with blastomycosis. Bradsher RW, et al. **Am Rev Respir Dis** 1987 Feb;135(2):412–7

Effect of rifabutin on the phagocytosis and intracellular growth of Mycobacterium intracellulare in mouse resident and activated peritoneal and alveolar macrophages. Perumal VK, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):334–7

Pulmonary nocardiosis in the acquired immunodeficiency syndrome. Diagnosis with bronchoalveolar lavage and treatment with non–sulphur containing drugs. Rodriguez JL, et al. **Chest** 1986 Dec;90(6):912–4

Evaluation of three assays on alveolar lavage fluid in the diagnosis of cytomegalovirus pneumonitis after bone marrow transplantation. Cordonnier C, et al. **J Infect Dis** 1987 Mar;155(3):495–500

Diagnosing bacterial respiratory infection by bronchoalveolar lavage. Kahn FW, et al. **J Infect Dis** 1987 May;155(5):862–9

Bronchoalveolar lavage for diagnosing acute bacterial pneumonia. Thorpe JE, et al. **J Infect Dis** 1987 May; 155(5):855–61

[Lymphocytic interstitial pneumopathy in AIDS–related complex. Presence of the LAV virus in the bronchoalveolar lavage fluid] Ziza JM, et al. **Presse Med** 1986 Jul 5–12;15(27):1267–9 (Eng. Abstr.) **(Fre)**

[The diagnostic value of non–fiber–optic broncho–alveolar lavage in pneumopathies and mechanical ventilation] Piperno D, et al. **Rev Mal Respir** 1987;4(1):17–21 (Eng. Abstr.) **(Fre)**

[Bronchoalveolar clearance after inhalation of Pasteurella multocida aerosols in young pigs] Heilmann P, et al. **Zentralbl Veterinarmed [B]** 1987 Mar;34(2):126–37 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Phospholipid profile of Pneumocystis carinii and its interaction with alveolar type II epithelial cells. Pesanti EL. **Infect Immun** 1987 Mar;55(3):736–41

Morphology, development and behavior of Pneumocystis carinii observed by light–microscopy in nude mice. Shiota T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug; 262(2):230–9

PATHOLOGY

Mast cells and lysozyme positive macrophages in bronchoalveolar lavage from patients with sarcoidosis. Valuable prognostic and activity marking parameters of disease? Bjermer L, et al. **Acta Med Scand** 1986; 220(2):161–6

Characterization of cells in bronchoalveolar lavage fluid of children with recurrent obstructive bronchitis. Nagy B, et al. **Acta Paediatr Hung** 1986;27(3):211–9

Alveolar destruction in experimental Klebsiella pneumonia. Irifune K. **Acta Pathol Jpn** 1987 Mar;37(3):475–86

The role of bronchoalveolar lavage in the diagnosis of invasive pulmonary aspergillosis. Kahn FW, et al. **Am J Clin Pathol** 1986 Oct;86(4):518–23

Silica–induced alveolar cell tumors in rats. Johnson NF, et al. **Am J Ind Med** 1987;11(1):93–107

Absence of tubular myelin in lungs of infants dying with hyaline membrane disease. deMello DE, et al. **Am J Pathol** 1987 Apr;127(1):131–9

The role of intraalveolar fibrosis in the process of pulmonary structural remodeling in patients with diffuse alveolar damage. Fukuda Y, et al. **Am J Pathol** 1987 Jan; 126(1):171–82

Effects of a calmodulin inhibitor on bleomycin–induced lung inflammation in hamsters. Biochemical, morphometric, and bronchoalveolar lavage data. Nakashima JM, et al. **Am J Pathol** 1986 Sep;124(3):528–36

Pulmonary alveolar macrophage function during acute inflammatory lung injury. Brieland JK, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1300–6

Mast cells, atypical lymphocytes, and neutrophils in bronchoalveolar lavage in extrinsic allergic alveolitis. Comparison with other interstitial lung diseases. Haslam PL, et al. **Am Rev Respir Dis** 1987 Jan;135(1):35–47

Bronchoalveolar cell profiles of asthmatic and nonasthmatic subjects. Kirby JG, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):379–83

Local allergen challenge and bronchoalveolar lavage of allergic asthmatic lungs. Description of the model and local airway inflammation. Metzger WJ, et al. **Am Rev Respir Dis** 1987 Feb;135(2):433–40

Bronchoalveolar lavage. Reynolds HY. **Am Rev Respir Dis** 1987 Jan;135(1):250–63 (226 ref.)

The value of serial bronchoalveolar lavages in assessing the clinical progress of patients with cryptogenic fibrosing alveolitis. Turner–Warwick M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):26–34

Idiopathic pulmonary fibrosis. Pretreatment bronchoalveolar lavage cellular constituents and their relationships with lung histopathology and clinical response to therapy. Watters LC, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):696–704

An ultrastructural study of mast cells in the alveolar wall of normal and asthmatic lung. Warton A, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):435–44

Comparison of bronchoalveolar lavage helper/suppressor T–cell ratios in sarcoidosis versus other interstitial lung diseases. Robinson BW, et al. **Aust NZ J Med** 1987 Feb; 17(1):9–15

The influence of topical anaesthetic agent at bronchoalveolar lavage upon cellular yield and identification and upon macrophage function. Davidson AC, et al. **Br J Dis Chest** 1986 Oct;80(4):385–90

Relation of alveolar size to forced vital capacity in professional divers. Calder IM, et al. **Br J Ind Med** 1987 Jul;44(7):467–9

Bronchoalveolar lavage in the asthmatic. Godard P, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):73–83 **(Eng, Fre)**

Primary biliary cirrhosis. Subclinical inflammatory alveolitis in patients with normal chest roentgenograms. Wallaert B, et al. **Chest** 1986 Dec;90(6):842–8

Eosinophilic alveolitis? [letter] Whitlock WL, et al. **Chest** 1987 Mar;91(3):472–3

Severe spirometric defects in systemic lupus erythematosus. A possible role for bronchoalveolar lavage and gallium scanning. Lin RY. **Clin Rheumatol** 1987 Jun;6(2):276–81

Human alveolar macrophage subpopulations isolated on discontinuous albumin gradients: functional data in normals and sarcoid patients. Sandron D, et al. **Eur J Respir Dis** 1986 Oct;69(4):226–34

Quantitation of silica-induced type II cell hyperplasia by using alkaline phosphatase histochemistry in glycol methacrylate embedded lung. Miller BE, et al. **Exp Lung Res** 1987;12(2):135–48

Pulmonary alveolar microlithiasis. A new analytical approach. Barnard NJ, et al. **Histopathology** 1987 Jun; 11(6):639–45

Some studies on human pulmonary mast cells obtained by bronchoalveolar lavage and by enzymic dissociation of whole lung tissue. Pearce FL, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):507–12

Mechanisms in asthma using the technique of bronchoalveolar lavage. Wardlaw AJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):518–25

Enhanced alveolar cell luminol-dependent chemiluminescence in asthma. Cluzel M, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):195–201

Liposome-mediated augmentation of catalase in alveolar type II cells protects against H2O2 injury. Buckley BJ, et al. **J Appl Physiol** 1987 Jul;63(1):359–67

Oxidant-mediated epithelial cell injury in idiopathic pulmonary fibrosis. Cantin AM, et al. **J Clin Invest** 1987 Jun;79(6):1665–73

Diagnosing Pneumocystis carinii pneumonia by cytological examination of bronchoalveolar lavage fluid: report of 15 cases. Young JA, et al. **J Clin Pathol** 1986 Sep;39(9):945–9

Bronchoalveolar lavage in heart–lung transplantation. Gryzan S, et al. **J Heart Transplant** 1985 Jul–Aug; 4(4):414–6

Alveolar macrophage/peripheral blood monocyte-derived factors modulate proliferation of primary lines of human lung fibroblasts. Jordana M, et al. **J Leukocyte Biol** 1987 Jul;42(1):51–60

Shift in subfractions of rat alveolar macrophages in vivo during endotoxin-induced alveolitis. Rinaldo JE, et al. **J Leukocyte Biol** 1987 Sep;42(3):230–8

Pulmonary alveolar phospholipoproteinosis: experience with 34 cases and a review. Prakash UB, et al. **Mayo Clin Proc** 1987 Jun;62(6):499–518 (103 ref.)

Experimental inoculation of Klebsiella rhinoscleromatis bacilli in albino mice. Toppozada H, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(4):214–7

The value of bronchoalveolar lavage in the immuno-compromised host with suspected opportunistic lung infection. Holmes P, et al. **Panminerva Med** 1986 Apr–Jun;28(2):107–10

Quantitative evaluation of neonatal lung expansion with automated image analysis. Rigaut JP, et al. **Pediatr Pathol** 1986;6(1):11–24

Pulmonary alveolar septal calcinosis causing progressive respiratory failure in acute lymphoblastic leukemia in childhood. Sinniah D, et al. **Pediatr Pathol** 1986;6(4):439–48

Adult respiratory distress syndrome: acute alveolar damage. Greene R. **Radiology** 1987 Apr;163(1):57–66

Ultrastructural features of alveolar cells in experimental hypersensitivity pneumonitis. Quezada AL, et al. **Respiration** 1987;51(2):127–36

Does activity of pulmonary sarcoidosis depend on disease duration? A correlation between bronchoalveolar lavage, scintigraphic, radiologic, and physiologic parameters and time of onset of the disease. Sanguinetti CM, et al. **Sarcoidosis** 1987 Mar;4(1):18–24

Analysis of homogeneity of alveolitis in pulmonary sarcoidosis by bilateral bronchoalveolar lavage, gallium-67 lung uptake, and chest radiograph. Staton GW Jr, et al. **Sarcoidosis** 1987 Mar;4(1):8–12

Adverse effects of metals on the alveolar part of the lung. Johansson A, et al. **Scan Electron Microsc** 1986;(Pt 2):631–7

Phenotypic analysis of alveolar macrophages in normal subjects and in patients with interstitial lung disease. Campbell DA, et al. **Thorax** 1986 Jun;41(6):429–34

Bronchoalveolar lavage in pulmonary mycotoxicosis (organic dust toxic syndrome). Lecours R, et al. **Thorax** 1986 Dec; 41(12):924–6

Acute pulmonary toxoplasmosis with alveolitis of T suppressor lymphocyte type. Michel O, et al. **Thorax** 1986 Dec;41(12):972–3

[Bronchiolo-alveolar lavage. Cytologic and morphologic study of 212 specimens] Kohler C, et al. **Arch Anat Cytol Pathol** 1986;34(4):230–6 (Eng. Abstr.) **(Fre)**

[Importance of cellular data from broncho-alveolar lavage in interstitial pulmonary pathology] Basset F, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):525–9 (Eng. Abstr.) **(Fre)**

[Biochemical and cytological study of the alveolar lavage fluid in 4 cases of lipid pneumopathy] Dongay G, et al. **Presse Med** 1986 Oct 25;15(37):1863–8 (Eng. Abstr.) **(Fre)**

[Properties of inflammatory cells in broncho-alveolar lavage in pulmonary fibrosis] Dayer JM. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1245–9 (Eng. Abstr.) **(Fre)**

[Value of bronchoalveolar lavage in the diagnosis and follow-up of lung diseases] Eckert H, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):91–5 (Eng. Abstr.) **(Ger)**

[Pulmonary alveolar microlithiasis] Sollich V, et al. **Z Erkr Atmungsorgane** 1987;168(1):77–82 (Eng. Abstr.) **(Ger)**

[Cellular analysis of the bronchoalveolar lavage fluid of hamsters infected with Mycoplasma pneumoniae] Yano T. **Kansenshogaku Zasshi** 1987 Jan;61(1):87–100 (Eng. Abstr.) **(Jpn)**

[Endoscopic observation of the peripheral airways in bronchiolitis] Tanaka M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):660–7 (Eng. Abstr.) **(Jpn)**

[Characteristics of the intrapulmonary cytogram in compensatory lung hypertrophy] Romanova LK, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):363–6 (Eng. Abstr.) **(Rus)**

[Bronchoalveolar lavage in sarcoidosis and hypersensitivity pneumonitis] Debeljak A, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):283–7 (Eng. Abstr.) **(Scr)**

PHYSIOLOGY

Relation between the contact time and venous and alveolar PCO2 at rest. Mochizuki M, et al. **Adv Exp Med Biol** 1986; 200:27–34

Modulation of the effects of alveolar macrophages on lung fibroblast collagen production rate. Clark JG, et al. **Am Rev Respir Dis** 1987 Jan;135(1):52–6

Alveolar macrophages, blood monocytes, and density-fractionated alveolar macrophages differ in their ability to promote lymphocyte proliferation to mitogen and antigen. Ferro TJ, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):682–7

Vesicles within vesicles: what role do multivesicular bodies play in alveolar type II cells? Williams MC. **Am Rev Respir Dis** 1987 Mar;135(3):744–6

Bursting the alveolar bubble [editorial] Hills BA. **Anaesthesia** 1987 May;42(5):467–9

Biphasic mode of epithelial regeneration in murine pulmonary alveoli. Coulombe PA, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):263–6

Non-uniform lung elastic properties and the slope of the alveolar plateau. Niu SF, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):163–9

Candidacidal factors in murine bronchoalveolar lavage fluid. Nugent KM, et al. **Infect Immun** 1987 Mar;55(3):541–6

Heterogeneity of mean alveolar pressure during high-frequency oscillations. Allen JL, et al. **J Appl Physiol** 1987 Jan;62(1):223–8

Relations among alveolar surface tension, surface area, volume, and recoil pressure. Bachofen H, et al. **J Appl Physiol** 1987 May;62(5):1878–87

Effect of tracheal bias flow on gas exchange during high-frequency chest percussion. Gavriely N, et al. **J Appl Physiol** 1987 Jul;63(1):302–8

Three-dimensional reconstruction of alveoli in the rat lung for pressure-volume relationships. Mercer RR, et al. **J Appl Physiol** 1987 Apr;62(4):1480–7

Micropuncture measurement of alveolar liquid pressure in excised dog lung lobes. Raj JU, et al. **J Appl Physiol** 1987 Feb;62(2):781–4

Effects of lung volume and alveolar surface tension on pulmonary vascular resistance. Sun RY, et al. **J Appl Physiol** 1987 Apr;62(4):1622–6

Importance of oscillations in alveolar gas concentrations in the analysis of rebreathing data. Weisiger KH, et al. **J Appl Physiol** 1986 Sep;61(3):1104–13

Inspiratory-to-expiratory time ratio and alveolar ventilation during high-frequency ventilation in dogs. Yamada Y, et al. **J Appl Physiol** 1986 Nov;61(5):1903–7

Alveolar liquid pressure measured by micropuncture in isolated lungs of mature and immature fetal rabbits. Raj JU. **J Clin Invest** 1987 Jun;79(6):1579–88

Patterns of breathing in response to alternating patterns of alveolar carbon dioxide pressures in man. Cunningham DJ, et al. **J Physiol (Lond)** 1986 Jul;376:31–45

Lung surfactant. Harwood JL, et al. **Mol Aspects Med** 1985; 8(5):423–514

Lung surfactant anchor [letter] Meban C. **Nature** 1987 Mar 19–25;326(6110):252

Blockade of 'alveolar' and airway reflexes by local anesthetic aerosol in dogs. Hamilton RD, et al. **Respir Physiol** 1987 Feb;67(2):159–70

Functional small airways defence in symptomless cigarette smokers. Agnew JE, et al. **Thorax** 1986 Jul;41(7):524–30

[Refractory respiratory tract infections. 1. The defense mechanism of the pulmonary alveolar airway. a. The physical defense mechanism of the mucociliary system] Sato K. **Nippon Rinsho** 1987 Mar;45(3):450–5 (22 ref.) **(Jpn)**

[Functions of the bronchoalveolar cells] Ionescu C, et al. **Rev Ig [Pneumoftiziol]** 1987 Jan–Mar;36(1):1–8 (11 ref.) **(Rum)**

[Spontaneous fluctuations in the composition of alveolar air at rest and under loading] Vinitskaia RS, et al. **Fiziol Zh** 1987 May–Jun;33(3):7–12 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Augmentation of rat alveolar macrophage migration by surfactant protein. Hoffman RM, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1358–62

Alveolar macrophage function in a canine model of endotoxin-induced lung injury. Jacobs RF, et al. **Am Rev Respir Dis** 1986 Oct;134(4):745–51

Bronchoalveolar lavage does not alter airway responsiveness in asthmatic subjects. Kirby JG, et al. **Am Rev Respir Dis** 1987 Mar;135(3):554–6

Alveolar macrophage dysfunction in systemic lupus erythematosus. Wallaert B, et al. **Am Rev Respir Dis** 1987 Aug;136(2):293–7

Alveolar flooding: a computer simulation. Heijmans F, et al. **Comput Methods Programs Biomed** 1986 Oct; 23(2):93–101

Effects of hyperoxia on alveolar permeability of neutropenic rabbits. Laughlin MJ, et al. **J Appl Physiol** 1986 Sep; 61(3):1126–31

Neutrophil-induced injury of rat pulmonary alveolar epithelial cells. Simon RH, et al. **J Clin Invest** 1986 Nov; 78(5):1375–86

Relationship between changed alveolar-capillary permeability and angiotensin converting enzyme activity in serum in sarcoidosis. Eklund A, et al. **Thorax** 1986 Aug; 41(8):629–34

[Adrenergic receptors of the broncho-alveolar system] Remacle P, et al. **Rev Med Brux** 1986 Dec;7(10):594–600 (Eng. Abstr.) **(Fre)**

[Functional status of alveolar macrophages in different forms of chronic bronchitis during treatment] Trubnikov GV, et al. **Ter Arkh** 1987;59(3):66–70 (Eng. Abstr.) **(Rus)**

[Craniocerebral injuries and alveolo-capillary gas exchange] Puigdollers Colás F, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):183–6 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Relation between the anatomy and radiological diagnosis of pulmonary lobule and acinus] Yang HB. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct;20(5):313–6 (7 ref.) **(Chi)**

[Quantification of pulmonary alveolar microlithiasis in the CT] Wurche KD, et al. **ROFO** 1987 Jul;147(1):36–8 (Eng. Abstr.) **(Ger)**

[Evaluation of liquid-filled alveolography (LFA) with regard to the demonstration of morphological changes in the peripheral respiratory tract] Amitani R. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):719–28 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Bone scintigraphy in two siblings with pulmonary alveolar microlithiasis. Garty I, et al. **Br J Radiol** 1985 Aug; 58(692):763–6

Quantification of regional ventilation in humans using a short-lived radiotracer—theoretical evaluation of the steady-state model. Valind SO, et al. **J Nucl Med** 1987 Jul;28(7):1144–54

SECRETION

Limitations of using urea to quantify epithelial lining fluid recovered by bronchoalveolar lavage. Marcy TW, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1276–80

Tetradecanoylphorbol acetate and terbutaline stimulate surfactant secretion in alveolar type II cells without changing the membrane potential. Sano K, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):317–26

P2-purinoceptors regulate surfactant secretion from rat isolated alveolar type II cells. Rice WR, et al. **Br J Pharmacol** 1986 Nov;89(3):485–91

Chemical mediators of anaphylaxis released by alveolar macrophages in bronchial asthma. Michel FB, et al. **Eur J Respir Dis [Suppl]** 1986;146:189–94

Functional evidence for adenosine A2 receptor regulation of phosphatidylcholine secretion in cultured type II pneumocytes. Gilfillan AM, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):907–14

Exaggerated spontaneous release of platelet-derived growth factor by alveolar macrophages from patients with idiopathic pulmonary fibrosis. Martinet Y, et al. **N Engl J Med** 1987 Jul 23;317(4):202–9

Pulmonary surfactant and its components inhibit secretion of phosphatidylcholine from cultured rat alveolar type II cells. Dobbs LG, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):1010–4

Prostaglandin D2 is released during acute allergic bronchospasm in man. Murray JJ, et al. **Trans Assoc Am Physicians** 1985;98:275–80

ULTRASTRUCTURE

Cytoplasmic bar-like structures of alveolar type II cells: an ultrastructural study in freshly isolated cells from rat lungs. Vincent R, et al. **Am J Anat** 1987 May;179(1):70–8

Alveolo-capillary membrane in primary pulmonary hypertension. Villaschi S, et al. **Appl Pathol** 1986;4(3):132–7

The effect of oxygen intoxication on the morphology of intercellular junctions of pulmonary endothelium and alveolar epithelium. A freeze-fracture study. Wang ZG. **Chin Med J [Engl]** 1987 Mar;100(3):177–84

Effect of combined high-frequency oscillatory ventilation

on rabbit alveolar type-2 cells. Obara H, et al. **Crit Care Med** 1987 Jul;15(7):692–5

Smoke inhalation: an ultrastructural study of reaction to injury in the human alveolar wall. Burns TR, et al. **Environ Res** 1986 Dec;41(2):447–57

Alveolar septal changes in pulmonary edema: a subcellular study of lung clearance in the dog. Rodrigues-Grande N, et al. **J Submicrosc Cytol** 1987 Jan;19(1):43–52

Ultrastructure of extrinsic allergic bronchiolo-alveolitis. Reijula K, et al. **Pathol Res Pract** 1986 Aug;181(4):418–29

Cytochemistry of the gas-exchange area in vertebrate lungs. Meban C. **Prog Histochem Cytochem** 1987;17(1):1–54 (240 ref.)

Fc and C3 receptor expression on human alveolar macrophages in sarcoidosis. Rottoli L, et al. **Sarcoidosis** 1984 Sep;1(1):55–9

Study of rat lung alveoli using corrosion casting and freeze fracture methods coupled with digital image analysis. Nelson AC. **Scanning Microsc** 1987 Jun;1(2):817–22

[Ultrastructural changes on the alveolar surface in experimental respiratory distress syndrome with emphasis on the detection of surfactants] Haškovcová I. **Cesk Patol** 1986 Aug;22(3):141–4 (Eng. Abstr.) **(Cze)**

[An ultrastructural study of paraquat-induced intra-alveolar fibrosis of the lung] Suzuki H. **Nippon Ika Daigaku Zasshi** 1987 Apr;54(2):184–92 (Eng. Abstr.) **(Jpn)**

PULMONARY ARTERY

A prospective analysis of 1,400 pulmonary artery catheterizations in patients undergoing cardiac surgery. Damen J, et al. **Acta Anaesthesiol Scand** 1986 Jul; 30(5):386–92

Myxoid sarcoma arising from the pulmonary trunk. Atari E, et al. **Acta Pathol Jpn** 1987 Feb;37(2):315–22

Two-dimensional echocardiographic features of pulmonary artery vegetation. Chia BL, et al. **Am Heart J** 1987 Mar; 113(3):833–4

Pulmonary trunk stenosis due to constriction by a pericardial band. Nigri A, et al. **Am Heart J** 1987 Aug;114(2):448–50

Potential for reversibility of pulmonary vascular obstructive disease in children after cardiac transplantation. Behrendt DM, et al. **Am J Cardiol** 1986 Nov 15;58(11):1124–6

Dissecting aneurysm of the pulmonary trunk in mitral stenosis. Rosenson RS, et al. **Am J Cardiol** 1986 Nov 15; 58(11):1140–1

Multiple pulmonary artery aneurysms. New use for magnetic resonance imaging. Jeang MK, et al. **Am J Med** 1986 Dec; 81(6):1001–4

Assessment of sterility of pulmonary arterial catheter sheaths. Murray MJ, et al. **Anesth Analg** 1986 Nov;65(11):1218–21

Changes in pulmonary oxygenation and hemodynamic responses during pulmonary arterial occlusion pressure measurements. Dohi S, et al. **Anesthesiology** 1987 Feb; 66(2):216–20

Influence of balloon inflation and deflation on location of pulmonary artery catheter tip. Johnston WE, et al. **Anesthesiology** 1987 Jul;67(1):110–5

Decreased partial pressure of oxygen in arterial blood secondary to inflation of a pulmonary artery flow-directed catheter balloon. Kainuma M, et al. **Anesthesiology** 1987 Feb;66(2):214–6

Aberrant insertion of a pulmonary artery catheter through an iatrogenic defect in an introducer sheath [letter] Mantia AM, et al. **Anesthesiology** 1987 May;66(5):714

Coronary artery-pulmonary artery communication [letter] Aravanis C. **Angiology** 1975 Sep;26(8):634

Aneurysms of the pulmonary arteries—a case report. Gould L, et al. **Angiology** 1987 Jun;38(6):474–8

Pulmonary artery sarcoma—unusual pulmonary angiographic findings—a case report. Schermoly M, et al. **Angiology** 1987 Aug;38(8):617–21

Giant left atrium as cause of left pulmonary artery obstruction. Serra AJ, et al. **Ann Thorac Surg** 1987 Mar; 43(3):329–31

Obstruction of the central pulmonary artery after shunt operations in patients with pulmonary atresia. Momma K, et al. **Br Heart J** 1987 Jun;57(6):534–42

Percutaneous balloon dilation angioplasty of pulmonary artery branch stenosis. Bass JL. **Cardiovasc Intervent Radiol** 1986;9(5–6):299–302

Pulmonary artery obstruction due to malignant fibrous histiocytoma. Carlin BW, et al. **Chest** 1987 Jul;92(1):173–5

Congenital coronary arteriovenous fistula associated with dilated cardiomyopathy. Doi YL, et al. **Chest** 1987 Mar; 91(3):464–6

Hepatogenic pulmonary angiodysplasia treated with coil-spring embolization. Felt RW, et al. **Chest** 1987 Jun; 91(6):920–2

Determination of resting energy expenditure utilizing the thermodilution pulmonary artery catheter. Liggett SB, et al. **Chest** 1987 Apr;91(4):562–6

Pulmonary vascular imaging. Fedullo PF, et al. **Clin Chest Med** 1987 Mar;8(1):53–64

Radionuclide findings in arteriovenous fistula between left pulmonary artery and vein. Abdel-Dayem HM, et al. **Clin Nucl Med** 1986 Dec;11(12):865–7

Influence of sterile protective sleeves on the sterility of pulmonary artery catheters. Heard SO, et al. **Crit Care Med** 1987 May;15(5):499–502

Case of embolization by a sheared pulmonary artery catheter tip [letter] Herr D, et al. **Crit Care Med** 1987 Apr; 15(4):337–8

An assessment of six different pulmonary artery catheters. Rutten AJ, et al. **Crit Care Med** 1987 Mar;15(3):250–5

Spontaneous rupture of pulmonary artery. Steingrub J, et al. **Crit Care Med** 1987 Mar;15(3):270–1

Comparison of blood lactate concentrations in central venous, pulmonary artery, and arterial blood. Weil MH, et al. **Crit Care Med** 1987 May;15(5):489–90

Occlusion of intra-acinar pulmonary arteries in pulmonary hypertensive congenital heart disease. Haworth SG, et al. **Int J Cardiol** 1986 Nov;13(2):207–17

Pulmonary artery catheterization—uses and abuses. Puri VK, et al. **Int J Clin Monit Comput** 1986;3(2):107–15

The use of balloon-tipped pulmonary artery catheters in children undergoing cardiac surgery. Damen J, et al. **Intensive Care Med** 1987;13(4):266–72

Thrombogenicity of pulmonary-artery catheters. Mollenholt P, et al. **Intensive Care Med** 1987;13(1):57–9

Postnatal atresia of extraparenchymal pulmonary veins, fulminant necrotizing pulmonary arteritis and elevated circulating immune complexes. Kelley KM, et al. **J Am Coll Cardiol** 1987 May;9(5):1043–8

Evidence for elevated levels of dopamine in the rabbit pulmonary and carotid artery. Umaki I, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):107–12

An unusual complication of a pulmonary artery catheter. Jesudian MC, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):345–6

Internal mammary artery to pulmonary artery fistula. Ruberti U, et al. **J Cardiovasc Surg (Torino)** 1986 Nov-Dec; 27(6):734–6

Circulatory support for right ventricular dysfunction. Jett GK, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):95–103

Pulmonary vascular obstruction in the adult respiratory distress syndrome. Greene R. **J Thorac Imaging** 1986 Jul; 1(3):31–8 (58 ref.)

A case of Behçet's syndrome with rupture of a pulmonary aneurysm: autopsy findings and a literature review. Kohno S, et al. **Jpn J Med** 1986 Aug;25(3):293–300 (40 ref.)

Pulmonary artery catheter-associated thrombocytopenia: effect of heparin coating. Feinberg BI, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):147–9

Ventricular tachyarrhythmias during placement of pulmonary artery catheters in two patients with recurrent ventricular tachycardia. Feinberg BI, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):545–7

Inadvertent ligation of the left pulmonary artery. Jaffe RB, et al. **Radiology** 1986 Nov;161(2):335–7

Nonparadoxical systemic artery embolus. Remenchik AP, et al. **Tex Med** 1987 Mar;83(3):53–4

[Test of preoperative unilateral occlusion of the pulmonary artery at rest and during exercise. Its place in the study of functional respiratory and right and left cardiac tolerance of extensive pulmonary excisions] Chidler H, et al. **Ann Chir** 1986 Nov;40(8):602–9 (Eng. Abstr.) **(Fre)**

[Value of right cardiac exploration (test of pulmonary artery occlusion at rest and during exercise) in the preoperative functional evaluation of pulmonary excision for cancer] Richelme H, et al. **Ann Chir** 1986 Nov;40(8):610–1 (Eng. Abstr.) **(Fre)**

[Compression of the right pulmonary artery by a dissecting aneurysm of the ascending aorta. Apropos of a case occurring long after aortic valve replacement] Sorensen B, et al. **Arch Mal Coeur** 1986 Jun;79(7):1111–5 (Eng. Abstr.) **(Fre)**

[Magnetic resonance imaging with cardiac synchronization in chronic thrombosis of the main pulmonary arteries. Apropos of a case with computed x-ray tomographic correlation] Coulomb M, et al. **J Radiol** 1986 Aug–Sep; 67(8–9):637–41 (Eng. Abstr.) **(Fre)**

[Bioclinical pneumology conference of Laennec Hospital. Case 6: April 1985. Long-term hemoptysis and inflammatory syndrome in a 29-year-old woman] Carette MF, et al. **Rev Pneumol Clin** 1987;43(1):36–41 **(Fre)**

[Percutaneous transluminal balloon-catheter recanalization in acute pulmonary embolism (letter)] Höpp HW, et al. **Dtsch Med Wochenschr** 1986 Oct 24;111(43):1660–1 **(Ger)**

[Embolization of multiple pulmonary arteriovenous fistulas (letter)] Wolf HR, et al. **Dtsch Med Wochenschr** 1986 Dec 19;111(51–52):1989–90 **(Ger)**

[Echocardiographic diagnosis of infectious endocarditis on patent ductus arteriosus with involvement of the pulmonary artery and the pulmonary and aortic semilunar valves. Description of a case] Ciliberto GR, et al. **G Ital Cardiol** 1986 Sep;16(9):795–7 (Eng. Abstr.) **(Ita)**

[A case of coronary artery-pulmonary artery fistula associated with variant angina pectoris] Goto M, et al. **Kokyu To Junkan** 1987 Jun;35(6):661–6 (Eng. Abstr.) **(Jpn)**

[Surgery of the coronary steal syndrome due to a fistula between the coronary artery and the pulmonary artery associated with the aortitis syndrome] Kaneko Y, et al. **Kyobu Geka** 1987 Jan;40(1):72–5 (Eng. Abstr.) **(Jpn)**

[Four cases of pulmonary arteriovenous fistula in 2 years' experience] Kori Y, et al. **Kyobu Geka** 1987 Apr; 40(5):389–96 (Eng. Abstr.) **(Jpn)**

[A case report of a pulmonary arteriovenous fistula treated by fistulectomy—investigation of surgical methods for single cases] Mitani N, et al. **Kyobu Geka** 1987 Jan; 40(1):76–9 (Eng. Abstr.) **(Jpn)**

[A case of pulmonary arteriovenous fistula complicated with brain abscess] Shimono T, et al. **Kyobu Geka** 1986 Sep; 39(9):722–6 (Eng. Abstr.) **(Jpn)**

[Experimental evaluation of pulmonary artery embolization for the treatment of lung cancer] Inoue H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):722–4 (Eng. Abstr.) **(Jpn)**

[Malignant fibrous histiocytoma arising in the pulmonary artery] Goto K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):903–7 (Eng. Abstr.) **(Jpn)**

[Rupture of the right pulmonary artery aneurysm after shunt operation of tetralogy of Fallot] Hoshino K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1839–43 (Eng. Abstr.) **(Jpn)**

[Nonsurgical retrieval with the loop snare method of iatrogenic foreign bodies in the heart and vessels] Tsukaguchi I, et al. **Rinsho Hoshasen** 1986 Sep; 31(9):1069–72 **(Jpn)**

[Aneurysm of the pulmonary artery in Behçet's syndrome. Report of a case] Fuller R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May-Jun; 41(3):127–31 (Eng. Abstr.) **(Por)**

[Rupture of a pulmonary artery aneurysm] Karmilov VA, et al. **Arkh Patol** 1987;49(2):73–6 (Eng. Abstr.) **(Rus)**

[Possibilities of echocardiography in evaluating the status of the right ventricle of the heart and the pulmonary artery in patients with tuberculosis and nonspecific diseases of the lungs] Gavrisiuk VK, et al. **Probl Tuberk** 1987;(3):34–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

MR imaging of the central pulmonary arterial tree in conotruncal malformation. Formanek AG, et al. **AJR** 1986 Dec;147(6):1127–31

Fatal soft-tissue infection complicating pulmonary arteriovenous fistulae. Pearson RK, et al. **Am J Med Sci** 1987 May;293(5):324–7

Systemic to pulmonary artery fistulas in Hodgkin's disease. Poh SC, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1324–6

Pulmonary artery agenesis presenting as massive hemoptysis—a case report. Mehta AC, et al. **Angiology** 1987 Jan;38(1 Pt 1):67–71

Origin of the right pulmonary artery from the ascending aorta. Fontana GP, et al. **Ann Surg** 1987 Jul;206(1):102–13

Surgical management of infants with complex cardiac anomalies associated with reduced pulmonary blood flow and total anomalous pulmonary venous drainage. DeLeon SY, et al. **Ann Thorac Surg** 1987 Feb;43(2):207–11

Concomitant valvotomy and subclavian-main pulmonary artery shunt in neonates with pulmonary atresia and intact ventricular septum. Kanter KR, et al. **Ann Thorac Surg** 1987 May;43(5):490–4

Anomalous origin of the left coronary artery from the pulmonary trunk: repair after diagnostic cross sectional echocardiography. Jureidini SB, et al. **Br Heart J** 1987 Aug;58(2):173–5

Imaging pulmonary arteriovenous malformations [editorial] Flower CD. **Br Med J [Clin Res]** 1987 Jun 27; 294(6588):1633–4

Unstable angina with coronary to pulmonary artery fistulae. Chang SM, et al. **Can J Cardiol** 1987 Jun-Aug;3(5):220–2

Regional and global left ventricular function in infants with anomalous origin of the left coronary artery from the pulmonary trunk: preoperative and postoperative assessment. Rein AJ, et al. **Circulation** 1987 Jan; 75(1):115–23

Combined unilateral pulmonary artery agenesis and contralateral peripheral pulmonary artery stenosis. Schamroth CL, et al. **Clin Cardiol** 1987 May;10(5):363–6

Diagnosis and quantitation of pulmonary arteriovenous malformations by factor analysis. Villanueva-Meyer J, et al. **Clin Nucl Med** 1986 Feb;11(2):88–91

Effects of persisting myocardial sinusoids on left ventricular performance in pulmonary atresia with intact ventricular septum. Hausdorf G, et al. **Eur Heart J** 1987 Mar;8(3):291–6

Congenital internal mammary artery-to-pulmonary artery fistulas: a case report. Yamada Y, et al. **Heart Vessels** 1987; 3(1):47–9

Anomalous origin of left pulmonary artery from ascending aorta. Joshi SV, et al. **Indian Heart J** 1986 Sep-Oct; 38(5):411–3

Pulmonary atresia with hypoplastic left ventricle. Ho SY, et al. **Int J Cardiol** 1987 Jun;15(3):349–52

Multiple bilateral coronary arterial to pulmonary artery fistulae in an asymptomatic patient. Mehta D, et al. **Int J Cardiol** 1987 Jul;16(1):96–8

Vascular rings and slings. Diagnosis and surgical treatment of 49 patients. Bertolini A, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):301–12

CT findings in hemitruncus. Rosa U, et al. **J Comput Assist Tomogr** 1987 Jul-Aug;11(4):698–700

Williams syndrome. Burn J. **J Med Genet** 1986 Oct; 23(5):389–95 (47 ref.)

A terminal deletion of the long arm of chromosome 4 [46,XX,del(4)(q33)] in an infant with phenotypic features of Williams syndrome. Jefferson RD, et al. **J Med Genet** 1986 Oct;23(5):474–7

Anomalous origin of left coronary artery from pulmonary artery. Ligation versus establishment of a two coronary artery system. Bunton R, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):103–8

Anomalous left coronary artery from the pulmonary artery in infants. Which operation? When? Vouhé PR, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):192–9

Pre- and postoperative Doppler echocardiographic evaluation of anomalous left coronary artery arising from the pulmonary artery. Fyfe DA, et al. **J Ultrasound Med** 1987 Feb;6(2):101–3

Congenital unilateral absence of the right pulmonary artery and complex of Fallot. A rare association. Büchler JR, et al. **Jpn Heart J** 1986 Nov;27(6):885–92

Vascular malformations and hypogammaglobulinaemia [letter] Couderc LJ, et al. **Lancet** 1987 Feb 14;1(8529):385

Total anomalous origin of the coronary arteries from the pulmonary artery. Heifetz SA, et al. **Pediatr Cardiol** 1986; 7(1):11–8

Total anomalous origin of the coronary arteries from the pulmonary artery in an infant with aorticopulmonary septal defect [letter] Lloyd TR, et al. **Pediatr Cardiol** 1987; 8(2):153–4

Aortopulmonary window, aortic origin of the right pulmonary artery, and interrupted aortic arch: detection by two-dimensional and color Doppler echocardiography in an infant. Mendoza DA, et al. **Pediatr Cardiol** 1986; 7(1):49–52

Pulmonary atresia with intact ventricular septum: a quantitative cineventriculographic study of the right and left ventricular function. Scognamiglio R, et al. **Pediatr Cardiol** 1986;7(4):183–7

Dual origin of the left coronary artery with vestigial branch arising from the aorta and main trunk arising from the pulmonary artery. Small EJ, et al. **Pediatr Pathol** 1986; 5(3–4):373–8

Cine CT diagnosis of pulmonary artery sling. McCray P, et al. **Pediatr Radiol** 1986;16(6):508–10

Isolated unilateral absence of left pulmonary artery with peribronchial arteriovenous malformation showing recurrent hemoptysis. Taguchi T, et al. **Pediatr Radiol** 1987; 17(4):316–8

Unilateral absence of a pulmonary artery. Coviello G, et al. **Rays** 1985 Sep–Dec;10(3):41–2

Anomalous origin of the right coronary artery from the main pulmonary artery: incidental finding in a case of dilated cardiomyopathy. Ross TC, et al. **South Med J** 1987 Jun; 80(6):783–6

Fistula between the left anterior descending coronary artery and the pulmonary artery causing angina in two middle-aged patients. Rubio PA, et al. **South Med J** 1987 Apr;80(4):518–9

[Congenital pulmonary arteriovenous fistula. A report of 4 cases] Sen C, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec; 14(6):346–7 **(Chi)**

[Bilateral coronary-pulmonary fistula and tritruncal stenotic coronary atheroma. Apropos of a new case with review of the literature] Garnier LF, et al. **Arch Mal Coeur** 1986 Sep;79(10):1521–4 (Eng. Abstr.) **(Fre)**

[Pulmonary vascular loop—respiratory disorders caused by vascular abnormality] Hruda J, et al. **Kinderarztl Prax** 1986 Oct;54(10):577–82 (Eng. Abstr.) **(Ger)**

[Pulmonary atresias. Recent knowledge on their morphology and clinical significance] Schneider P, et al. **Kinderarztl Prax** 1987 May;55(5):219–26 (Eng. Abstr.) **(Ger)**

[Pulmonary artery loop and dysplastic tracheal stenosis. Case report with pre- and postoperative spirometry and discussion of the value of diagnostic signs] Rebmann H, et al. **Monatsschr Kinderheilkd** 1986 Nov;134(11):819–22 (Eng. Abstr.) **(Ger)**

[Aortic atresia and pulmonary artery hypoplasia in congenitally corrected transposition of the large arteries, aortic isthmus stenosis and Uhl's anomaly of the left-sided ventricle] Galal O, et al. **Pathologe** 1987 May;8(3):168–71 **(Ger)**

[Isolated agenesis of the right pulmonary artery with late manifestation of pulmonary artery hypertension] Hübsch P, et al. **Rontgenblatter** 1987 Jan;40(1):23–5 (Eng. Abstr.) **(Ger)**

[Pulmonary atresia with ventricular septal defect: the significance of collateral lung perfusion for the prognosis of corrective operations] Hofbeck M, et al. **Z Kardiol** 1987 Jun;76(6):364–70 (Eng. Abstr.) **(Ger)**

[Clinical and angiocardiographic observations on the so-called absence of a branch of the pulmonary artery] Grillo R, et al. **G Ital Cardiol** 1986 Dec;16(12):1027–31 (Eng. Abstr.) **(Ita)**

[Agenesis of the right pulmonary artery and systemic pulmonary vascularization in 4 cases observed in childhood] Chiesa G, et al. **Minerva Chir** 1987 Jan 31; 42(1–2):39–44 (Eng. Abstr.) **(Ita)**

[Williams-Beuren syndrome. Description of a case with bifid uvula] Pilotti G, et al. **Minerva Pediatr** 1987 Feb 28; 39(3–4):147–50 (Eng. Abstr.) **(Ita)**

[Surgical management of coronary artery-to-pulmonary artery fistula] Morishita K, et al. **Kyobu Geka** 1986 Jul; 39(7):551–5 (Eng. Abstr.) **(Jpn)**

[Total resection of bilateral coronary artery-pulmonary artery fistula without the use of cardiopulmonary bypass: a successful case report] Nishii T, et al. **Kyobu Geka** 1987 Feb;40(3):254–8 (Eng. Abstr.) **(Jpn)**

[A case of successful anatomic repair in a 6-week-old infant with anomalous origin of the right pulmonary artery from the ascending aorta] Sugawara E, et al. **Kyobu Geka** 1987 Apr;40(5):425–9 (Eng. Abstr.) **(Jpn)**

[A surgical successful case of anomalous origin of the left coronary artery from the pulmonary artery (ALCAPA) in infancy] Fukuchi S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):104–10 (Eng. Abstr.) **(Jpn)**

[Coronary artery-to-pulmonary fistulas with a coronary artery aneurysm and coronary arteriosclerosis. A case report of surgical correction] Okamoto H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):375–80 (Eng. Abstr.) **(Jpn)**

[An adult case of proximal interruption of the right pulmonary artery] Mochizuki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):1028–33 (Eng. Abstr.) **(Jpn)**

[A case of pulmonary agenesis associated with congenital tracheal stenosis and aberrant left pulmonary artery] Konishi H, et al. **Rinsho Hoshasen** 1986 Jun;31(6):741–4 (Eng. Abstr.) **(Jpn)**

[Combined pulmonary artery atresia with atresia of the tricuspid valve and blood supply to the right lung from a collateral artery arising from the celiac trunk] Alekian BG, et al. **Grudn Khir** 1986 Nov–Dec;(6):82–4 **(Rus)**

[Sources of collateral circulation of the pulmonary vascular bed in pulmonary artery atresia with interventricular septal defect] Barchukov ALu. **Grudn Khir** 1986 Jul–Aug; (4):73–80 (33 ref.) **(Rus)**

[Congenital multiple coronaro-pulmonary fistulas (characteristics of diagnosis, anatomical variants and functional significance)] Krymskiĭ LD, et al. **Grudn Khir** 1987 Mar–Apr;(2):43–7 (Eng. Abstr.) **(Rus)**

[The aorta and pulmonary artery originating from the left ventricle (anatomy, diagnosis and surgical treatment)] Podzolkov VP, et al. **Grudn Khir** 1986 Nov–Dec;(6):15–23 (Eng. Abstr.) **(Rus)**

[Blood supply of the pulmonary lobe in intrapulmonary sequestration] Kharitonov VA. **Klin Khir** 1986;(10):60–1 **(Rus)**

[Diagnostic problems of the aortopulmonary window] Cabezuelo-Huerta G, et al. **An Esp Pediatr** 1986 Sep; 25(3):183–9 (Eng. Abstr.) **(Spa)**

[Congenital pulmonary arteriovenous fistula. Usefulness of M-mode contrast echocardiography] Casaldáliga J, et al. **An Esp Pediatr** 1986 Nov;25(5):391–3 **(Spa)**

[Abnormal origin of the left coronary artery of the pulmonary artery trunk. Report of 2 cases] Yeste Fernández D, et al. **An Esp Pediatr** 1987 Jan;26(1):47–52 (Eng. Abstr.) **(Spa)**

ANALYSIS

Further evidence for tonically functioning presynaptic beta-adrenoceptors in guinea-pig pulmonary arteries. Kuwahara M, et al. **Arch Int Pharmacodyn Ther** 1986 Dec; 284(2):225–30

Occurrence and effects of multiple tachykinins; substance P, neurokinin A and neuropeptide K in human lower airways. Martling CR, et al. **Life Sci** 1987 Apr 20;40(16):1633–43

ANATOMY & HISTOLOGY

Allometric determination of the distance from the central venous pressure port to wedge position of balloon-tip catheters in pediatric patients. Borland LM. **Crit Care Med** 1986 Nov;14(11):974–6

Measurement of three-dimensional anatomy and function of pulmonary arteries with high-speed x-ray computed tomography. Liu YH, et al. **Invest Radiol** 1987 Jan; 22(1):28–36

Effects of age and smoking on intima of muscular pulmonary arteries. Fernie JM, et al. **J Clin Pathol** 1986 Nov; 39(11):1204–8

Relation of branching angles to optimality for four cost principles. Woldenberg MJ, et al. **J Theor Biol** 1986 Sep 21;122(2):187–204

Comparison of vertex analysis and branching ratio in the study of trees. Horsfield K, et al. **Respir Physiol** 1986 Aug; 65(2):245–56

Branching architecture of canine pulmonary arteries: a quantitative cast study. Koike K, et al. **Tohoku J Exp Med** 1986 Jul;149(3):293–305

[Anatomy of the ventricular myocardium in the ventriculoarterial junction zone. Anatomic bases for the possible role of the myocardium in the dynamics of the semilunar valves] Macías-Rodríguez D, et al. **Rev Esp Cardiol** 1986 Nov–Dec;39(6):441–5 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Correlation of permeability with the structure of the endothelial layer of pulmonary artery intimal explants. Meyrick B, et al. **Fed Proc** 1987 Jun;46(8):2516–20 (17 ref.)

Reversible alterations in cultured pulmonary artery endothelial cell monolayer morphology and albumin permeability induced by ionizing radiation. Friedman M, et al. **J Cell Physiol** 1986 Nov;129(2):237–49

DRUG EFFECTS

Hydrogen peroxide elicits pulmonary arterial relaxation and guanylate cyclase activation. Burke TM, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H721–32

Prostaglandins and structural changes in pulmonary arteries. Rabinovitch M. **Am Rev Respir Dis** 1987 Sep;136(3):777–9

Relaxant effects of vasoactive intestinal peptide and peptide histidine isoleucine in human and bovine pulmonary arteries. Greenberg B, et al. **Blood Vessels** 1987; 24(1–2):45–50

Different mechanisms of the rabbit pulmonary arterial contraction caused by 5- or 6-hydroxydopamine. Katsuragi T, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):329–34

Pre- and postsynaptic effects of indoramin on sympathetic neuroeffector transmission in rabbit aorta and pulmonary artery. Nedergaard OA. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):1020–7

Bleomycin-induced pulmonary endothelial cell injury: evidence for the role of iron-catalyzed toxic oxygen-derived species. Martin WJ 2d, et al. **J Lab Clin Med** 1987 Aug;110(2):153–8

Influence of beta-adrenoceptor-mediated relaxation on alpha-adrenoceptor-mediated contraction of rat pulmonary artery to adrenaline or noradrenaline. O'Donnell SR, et al. **J Pharm Pharmacol** 1987 Apr; 39(4):278–82

Relaxant effect of dopamine on isolated rabbit pulmonary artery. Hoshino Y, et al. **Life Sci** 1986 Dec 29; 39(26):2525–31

Histamine releases PGI2 from human pulmonary artery. Schellenberg RR, et al. **Prostaglandins** 1986 Aug; 32(2):201–9

An in vitro study of the pharmacological and electrophysiological properties and the adrenergic innervation of small pulmonary arteries from children with pulmonary hypertension. Neild TO, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug;53(2):265–8

[Effect of serotonin on the arterial endothelium] Nikolov SD, et al. **Z Mikrosk Anat Forsch** 1986;100(4):588–606 (Eng. Abstr.) **(Ger)**

[Effects of nifedipine on hypoxic pulmonary vasoconstriction] Nakamura M. **Masui** 1987 Feb; 36(2):168–78 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Acceleration time in the aorta and pulmonary artery measured by Doppler echocardiography in the midtrimester normal human fetus. Machado MV, et al. **Br Heart J** 1987 Jul;58(1):15–8

Fetal pulmonary artery and aorta: two-dimensional Doppler echocardiography. Reed KL, et al. **Obstet Gynecol** 1987 Feb;69(2):175–8

ENZYMOLOGY

Hydrogen peroxide elicits activation of bovine pulmonary arterial soluble guanylate cyclase by a mechanism associated with its metabolism by catalase. Wolin MS, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):20–5

GROWTH & DEVELOPMENT

Thinning of fetal pulmonary arterial wall and postnatal remodelling: ultrastructural studies on the respiratory unit arteries of the pig. Haworth SG, et al. **Virchows Arch [A]** 1987;411(2):161–71

INJURIES

Catheter-induced pulmonary artery perforation associated with an unusual wedge pressure tracing. Takkunen OS, et al. **Can J Anaesth** 1987 Mar;34(2):168–71

Massive hemoptysis from iatrogenic balloon catheter rupture of pulmonary artery: successful early management by balloon tamponade. Thomas R, et al. **Crit Care Med** 1987 Mar;15(3):272–3

Pulmonary artery tear following balloon valvoplasty in Fallot's tetralogy. Lamb RK, et al. **Int J Cardiol** 1987 Jun; 15(3):347–9

A study of atherosclerotic lesion development in the injured pulmonary arteries of dogs with induced hyperlipemia. Schaub RG, et al. **Lab Invest** 1987 May;56(5):489–98

False pulmonary artery aneurysm induced by Swan-Ganz catheter: diagnosis and embolotherapy. Davis SD, et al. **Radiology** 1987 Sep;164(3):741–2

Air embolism and cardiac arrest in a patient with a pulmonary artery catheter: a possible association. Jastremski MS, et al. **Resuscitation** 1986 Nov;14(3):113–9

[Diagnosis and successful treatment of a closed rupture of the pulmonary artery] Balogh J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(1):59–63 (Eng. Abstr.) **(Hun)**

INNERVATION

Characterization of pulmonary arterial input impedance with lumped parameter models. Grant BJ, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H585–93

[Nerve receptors in pulmonary vessels] Vega-Alvarez JA, et al. **Arch Anat Histol Embryol (Strasb)** 1985;68:62–4 (Eng. Abstr.) **(Fre)**

[Regulation of the tracheobronchial and lung vascular system: innervation and receptors] Kneussl M. **Wien Klin Wochenschr** 1986 Nov 7;98(21):7013–25 (99 ref.) (Eng. Abstr.) **(Ger)**

[Inter-organ neural communications in the innervation of bronchi and pulmonary circulation vessels] Andriesh VN. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):25–34 (Eng. Abstr.) **(Rus)**

METABOLISM

Stimulation of proteoglycans by IGF I and II in microvessel and large vessel endothelial cells. Bar RS, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E21–7

Free and conjugated catecholamines in dog pulmonary artery: presence and pharmacological action. Rorie DK, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H66–74

Antioxidant defense mechanisms of endothelial cells: glutathione redox cycle versus catalase. Suttorp N, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C671–80

Platelet-activating factor effects on bovine pulmonary artery endothelial cells. Grigorian GY, et al. **Circ Res** 1987 Sep; 61(3):389–95

Cationic neutrophil proteins increase transendothelial albumin movement. Peterson MW, et al. **J Appl Physiol** 1987 Apr;62(4):1521–30

[3H]noradrenaline–releasing action of vinpocetine in the isolated main pulmonary artery of the rabbit. Pauló T, et al. **J Pharm Pharmacol** 1986 Sep;38(9):668–73

Effect of hypoxia on prostacyclin production in cultured pulmonary artery endothelium. Madden MC, et al. **Prostaglandins** 1986 Jun;31(6):1049–62

The primary localization of free radical generation after anoxia/reoxygenation in isolated endothelial cells. Ratych RE, et al. **Surgery** 1987 Aug;102(2):122–31

PGI3 production from eicosapentaenoic acid in 3T3 fibroblast cells and cultured bovine pulmonary artery endothelial cells. Takahata K, et al. **Thromb Res** 1987 Mar 1;45(5):581–9

Collagen and elastin gene expression in the hypertensive pulmonary artery of the rat. Riley DJ, et al. **Trans Assoc Am Physicians** 1986;99:180–8

MICROBIOLOGY

Pulmonary vascular candidiasis and use of central venous catheters in neonates. Knox WF, et al. **J Clin Pathol** 1987 May;40(5):559–65

PARASITOLOGY

Development of a flexible alligator forceps: a new instrument for removal of heartworms in the pulmonary arteries of dogs. Ishihara K, et al. **Nippon Juigaku Zasshi** 1986 Oct; 48(5):989–91

PATHOLOGY

Comparative evaluation of the pulmonary arteries in patients with right ventricular outflow tract obstructive lesions. Hernandez RJ, et al. **AJR** 1987 Jun;148(6):1189–94

Aneurysm of the pulmonary trunk unassociated with intracardiac or great vessel left–to–right shunting. Barbour DJ, et al. **Am J Cardiol** 1987 Jan 1;59(1):192–4

Pulmonary artery structural changes in two colonies of rats with different sensitivity to chronic hypoxia. Langleben D, et al. **Am J Pathol** 1987 Jul;128(1):61–6

Pulmonary vascular structural and functional changes in papain–induced emphysema in dogs. Rubin LJ, et al. **Am Rev Respir Dis** 1987 Sep;136(3):704–9

Changes in main pulmonary artery of rats with monocrotaline–induced pulmonary hypertension. Guzowski DE, et al. **Arch Pathol Lab Med** 1987 Aug; 111(8):741–5

Catheter suction biopsy in diagnosis of an intrapulmonary artery tumor. Talley JD, et al. **Cathet Cardiovasc Diagn** 1986;12(6):411–3

Pulmonary arterial aneurysm. A pathologic study of five cases. Butto F, et al. **Chest** 1987 Feb;91(2):237–41

Pulmonary artery obstruction due to giant cell arteritis. Glover MU, et al. **Chest** 1987 Jun;91(6):924–5

Pulmonary veno–occlusive disease. A report of four cases. Hasleton PS, et al. **Histopathology** 1986 Sep;10(9):933–44

Evidence that hypoxic pulmonary vascular remodeling in rats is polyamine dependent. Atkinson JE, et al. **J Appl Physiol** 1987 Apr;62(4):1562–8

Pulmonary pressor responses in sheep to chemically defined precursors of E. coli endotoxin. Burhop KE, et al. **J Appl Physiol** 1987 Mar;62(3):1141–9

Does interstitial lung edema compress airways and arteries? A morphometric study. Michel RP, et al. **J Appl Physiol** 1987 Jan;62(1):108–15

Severe pulmonary hypertension and arterial adventitial changes in newborn calves at 4,300 m. Stenmark KR, et al. **J Appl Physiol** 1987 Feb;62(2):821–30

Viability and morphology of aortic and pulmonary homografts. A comparative study. Livi U, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):755–60

Rat pulmonary artery restructuring and pulmonary hypertension induced by continuous Escherichia coli endotoxin infusion. Kirton OC, et al. **Lab Invest** 1987 Feb; 56(2):198–210

Pulmonary artery endothelial abnormalities in patients with congenital heart defects and pulmonary hypertension. A correlation of light with scanning electron microscopy and transmission electron microscopy. Rabinovitch M, et al. **Lab Invest** 1986 Dec;55(6):632–53

Pulmonary arterial changes in patients with ventricular septal defects and severe pulmonary hypertension. Fried R, et al. **Pediatr Cardiol** 1986;7(3):147–54

[Experimental atherosclerosis of the pulmonary and bronchial arteries] Huang ST. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):136–8, 188 (Eng. Abstr.) **(Chi)**

[A morphological study of 5 cases of primary pulmonary hypertension] Zhao PZ. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):214–7 (Eng. Abstr.) **(Chi)**

[Right heart failure as a clinical sign of pulmonary artery sarcoma] Bettelheim P, et al. **Wien Klin Wochenschr** 1987 Mar 6;99(5):156–9 (Eng. Abstr.) **(Ger)**

[Sector echocardiographic determination of the diameter of the large arteries of the heart in children] Hofstetter R, et al. **Z Kardiol** 1987 Jan;76(1):38–43 (Eng. Abstr.) **(Ger)**

[Significance of anastomoses in the lung in microembolism] Adebahr G. **Z Rechtsmed** 1987;98(1):33–8 (Eng. Abstr.) **(Ger)**

[A case of hepatocellular carcinoma associated with multiple pulmonary tumor thrombi and rupture of its right adrenal metastasis] Fukuoka K, et al. **Gan No Rinsho** 1987 Feb; 33(2):199–204 (Eng. Abstr.) **(Jpn)**

[A case of idiopathic dilatation of the pulmonary artery with pulmonic insufficiency] Nunoda S, et al. **Kokyu To Junkan** 1986 Jun;34(6):681–6 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery. Gardin JM, et al. **Am Heart J** 1987 Jan; 113(1):101–9

Doppler predictions of pulmonary artery pressure, flow, and resistance in adults. Graettinger WF, et al. **Am Heart J** 1987 Jun;113(6):1426–37

How much does aortic and pulmonary artery area vary during the cardiac cycle? Loeber CP, et al. **Am Heart J** 1987 Jan;113(1):95–100

Evaluation of pulmonary artery pressure and resistance by pulsed Doppler echocardiography. Dabestani A, et al. **Am J Cardiol** 1987 Mar 1;59(6):662–8

Effect of sampling site on assessment of pulmonary artery blood flow by Doppler echocardiography. Panidis IP, et al. **Am J Cardiol** 1986 Nov 15;58(11):1145–7

Aortic and pulmonary blood velocities during the first 3 days of life. Mirro R, et al. **Am J Perinatol** 1986 Oct;3(4):333–6

Endothelium–dependent relaxation of human pulmonary arteries. Greenberg B, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H434–8

Mechanical properties and structure of isolated pulmonary arteries remodeled by chronic hyperoxia. Coflesky JT, et al. **Am Rev Respir Dis** 1987 Aug;136(2):388–94

Neutrophil–derived oxygen metabolites stimulate thromboxane release, pulmonary artery pressure increases, and weight gains in isolated perfused rat lungs. McDonald RJ, et al. **Am Rev Respir Dis** 1987 Apr;135(4):957–9

Platelet–activating factor causes pulmonary vasodilation in the rat. McMurtry IF, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):757–62

The acute effects of pneumonectomy on pulmonary vascular impedance in the dog. Crouch JD, et al. **Ann Thorac Surg** 1987 Jun;43(6):613–6

Relation between peripheral chemoreceptors stimulation and pulmonary arterial blood pressure in rats. Lagneaux D. **Arch Int Physiol Biochim** 1986 Jun;94(2):127–34

Pulsed Doppler echocardiographic evaluation of neonatal circulatory changes. Shiraishi H, et al. **Br Heart J** 1987 Feb;57(2):161–7

A comparative study of glyceryl trinitrate biotransformation and glyceryl trinitrate induced relaxation in bovine pulmonary artery and vein. Kawamoto JH, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1146–50

Regional contractile responses in pulmonary artery to alpha– and beta–adrenoceptor agonists. Kolbeck RC, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1165–70

Effect of Bay K 8644 on tetraethylammonium–induced excitability of the rabbit pulmonary artery. Ousterhout JM, et al. **Can J Physiol Pharmacol** 1987 May;65(5):828–33

Doppler blood velocity in the pulmonary artery of infants, children, and adults. Targett RC, et al. **Cardiovasc Res** 1986 Nov;20(11):816–21

Comparison of multiple views for the evaluation of pulmonary arterial blood flow by Doppler echocardiography. Lighty GW Jr, et al. **Circulation** 1986 Nov;74(5):1002–6

Influence of cyclo–oxygenase inhibition and of leukotriene receptor blockade on pulmonary vascular pressure/cardiac index relationships in hyperoxic and in hypoxic dogs. Leeman M, et al. **Clin Sci** 1987 Jun;72(6):717–24

Noninvasive determination of pulmonary arterial systolic pressure by continuous wave Doppler. Vazquez de Prada JA, et al. **Int J Cardiol** 1987 Aug;16(2):177–84

Atrial septal defect with right to left shunt despite normal pulmonary artery pressure. Thomas JD, et al. **J Am Coll Cardiol** 1987 Jan;9(1):221–4

Arterial occlusion versus isofiltration pulmonary capillary pressures during very high flow. Bshouty Z, et al. **J Appl Physiol** 1987 Mar;62(3):1174–8

Comparison of direct and indirect measurements of pulmonary capillary transit times. Capen RL, et al. **J Appl Physiol** 1987 Mar;62(3):1150–4

Cat lung hemodynamics: comparison of experimental results and model predictions. Krishnan A, et al. **J Appl Physiol** 1986 Dec;61(6):2023–34

Rhythmic contractile activity of the pulmonary artery studied in vivo in cats. Ravi K, et al. **J Auton Nerv Syst** 1987 Jan;18(1):33–7

Blood flow in the heart and large vessels. Sugawara M. **Med Prog Technol** 1987;12(1–2):65–76

Normocarbic hyperventilation fails to induce pulmonary vasodilation. Lindenberg JA, et al. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):194–7

Lymphocyte and granulocyte migration across the endothelial layer of bovine pulmonary artery intimal explants towards lymphocyte conditioned medium. Perkett EA, et al. **Tissue Cell** 1986;18(6):839–52

Vasoactive intestinal peptide as a possible transmitter of nonadrenergic, noncholinergic relaxation of pulmonary artery. Kubota E, et al. **Trans Assoc Am Physicians** 1985; 98:233–42

[Effect of cold on pulmonary artery pressure and the right ventricular systolic time interval in healthy persons] Dubiel JP, et al. **Kardiol Pol** 1986;29(11–12):740–6 (Eng. Abstr.) **(Pol)**

[Assessment of a method for measuring pressure in the pulmonary artery] Cheganov VF. **Sov Med** 1986;(8):74–6 **(Rus)**

[Reactivity of the fetal and neonatal pulmonary artery in vitro] Kristová V, et al. **Bratisl Lek Listy** 1986 Sep; 86(3):287–94 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Effect of cold on the pulmonary arterial pressure and right ventricular load in patients with pulmonary hypertension. Dubiel JP, et al. **Acta Med Pol** 1986;27(1–2):19–29

Ventricular pump performance in patients with obstructed right ventricular–pulmonary artery conduits. Palik I, et al. **Am Heart J** 1986 Dec;112(6):1271–8

Doppler echocardiographic documentation of diastolic pulmonary artery forward flow. Kisanuki A, et al. **Am J Cardiol** 1987 Mar 1;59(6):711–3

Gas exchange and pulmonary vascular reactivity in patients with liver cirrhosis. Rodriguez–Roisin R, et al. **Am Rev Respir Dis** 1987 May;135(5):1085–92

The haemodynamic significance of asymptomatic ST segment depression assessed by ambulatory pulmonary artery pressure monitoring. Levy RD, et al. **Br Heart J** 1986 Dec;56(6):526–30

The haemodynamic response to myocardial ischaemia in ambulant patients with variant angina. Levy RD, et al. **Br Heart J** 1986 Dec;56(6):518–25

Diurnal variation in left ventricular function: a study of patients with myocardial ischaemia, syndrome X, and of normal controls. Levy RD, et al. **Br Heart J** 1987 Feb; 57(2):148–53

Flow dynamics in the main pulmonary artery after the Fontan procedure in patients with tricuspid atresia or single ventricle. Nakazawa M, et al. **Circulation** 1987 Jun; 75(6):1117–23

High–dose calcium channel–blocking therapy for primary pulmonary hypertension: evidence for long–term reduction in pulmonary arterial pressure and regression of right ventricular hypertrophy. Rich S, et al. **Circulation** 1987 Jul;76(1):135–41

Effects of 2 and 4 l/min oxygen breathing on pulmonary artery pressure, blood gases and sleep stages in patients with chronic obstructive lung disease. Rühle KH, et al. **Eur J Respir Dis [Suppl]** 1986;146:443–9

Comparison of three Doppler ultrasound methods in the prediction of pulmonary artery pressure. Chan KL, et al. **J Am Coll Cardiol** 1987 Mar;9(3):549–54

Pulmonary vascular supersensitivity to catecholamines in systemic high blood pressure. Guazzi MD, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1137–44

Temperature alters bronchial blood flow response to pulmonary arterial obstruction. Agostoni PG, et al. **J Appl Physiol** 1987 May;62(5):1907–11

Locus of hypoxic vasoconstriction in isolated ferret lungs. Brower RG, et al. **J Appl Physiol** 1987 Jul;63(1):58–65

Pulmonary arterial pressure and plasma concentration of atrial natriuretic factor (ANF) in patients with heart disease. Kokubu T, et al. **Jpn Heart J** 1986 Nov;27(6):791–6

Atrial natriuretic peptide correlates with pulmonary arterial pressure and cardiac output. Naruse K, et al. **Peptides** 1987 Mar–Apr;8(2):285–90

The value of 99mTc macroaggregated albumin lung perfusion scanning in the prediction of postpneumonectomy function and pulmonary artery pressure. Julius AJ, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):81–5

[Changes in pulmonary arterial pressure during acute respiratory distress syndrome caused by injection of oleic acid in rabbits] Ni H, et al. **Sheng Li Hsueh Pao** 1986 Jun; 38(3):293–9 (Eng. Abstr.) **(Chi)**

[Disorders of thrombocyte function and/or endothelial cell damage as a cause of primary pulmonary hypertension?] Mlczoch J. **Herz** 1986 Aug;11(4):191–6 (Eng. Abstr.) **(Ger)**

[Postoperative prognosis and treatment of valvular heart disease with cardiac cachexia from the view point of total pulmonary vascular resistance] Okamura K, et al. **Kyobu Geka** 1987 May;40(6):441–9 (Eng. Abstr.) **(Jpn)**

[Changes in pulmonary artery pressure after left lung allotransplantation in dogs] Shirakusa T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):835–43 (Eng. Abstr.) **(Jpn)**

[Right–ventricular function and pulmonary artery pressure in hypertension] Frankfurt AA, et al. **Klin Med (Mosk)**

1987 May;65(5):43–6 (Eng. Abstr.) (Rus)
[Effect of oxygen therapy on pulmonary artery pressure in pulmonary tuberculosis] Ershov AI, et al. **Sov Med** 1986; (9):100–3 (Rus)

RADIOGRAPHY

Compression of left main bronchus and left pulmonary artery by thoracic aortic aneurysm. Duke RA, et al. **AJR** 1987 Aug;149(2):261–3
Pulmonary vascular obstruction in severe ARDS: angiographic alterations after i.v. fibrinolytic therapy. Greene R, et al. **AJR** 1987 Mar;148(3):501–8
Reliability of selective pulmonary arteriography in the diagnosis of pulmonary embolism. Quinn MF, et al. **AJR** 1987 Sep;149(3):469–71
Pulmonary angiography in severe chronic pulmonary hypertension. Nicod P, et al. **Ann Intern Med** 1987 Oct; 107(4):565–8
Malignant fibrous histiocytoma of the pulmonary artery. Van Damme H, et al. **Ann Surg** 1987 Feb;205(2):203–7
Pulmonary arteriography: the gold standard [letter] Sautter RD. **Arch Intern Med** 1987 Feb;147(2):202, 205
Isolated granulomatous giant cell vasculitis of the pulmonary elastic arteries. Wagenaar SS, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):962–4
Digital vascular imaging of the great vessels and heart. Feldman L. **Cardiovasc Clin** 1986;17(1):357–84
Technique for transfemoral percutaneous pulmonary angiography [letter] Lach RD. **Cardiovasc Intervent Radiol** 1987;10(2):114
A comparative study of intravenous digital subtraction angiography and ventilation–perfusion scans in suspected pulmonary embolism. Piers DB, et al. **Chest** 1987 Jun; 91(6):837–43
Diameters of the orifices of the aorta and pulmonary trunk in normal children—an angiocardiographic study. Robida A. **Int J Cardiol** 1987 Mar;14(3):319–25
Automated morphologic evaluation of pulmonary arteries in primary pulmonary hypertension. Boxt LM, et al. **Invest Radiol** 1986 Dec;21(12):906–9
CT demonstration of central pulmonary venous and arterial occlusive diseases. Matsumoto AH, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):640–4
Digital subtraction angiography of the pulmonary arteries. Pond GD, et al. **J Thorac Imaging** 1985 Dec;1(1):21–31
Persistence of enlarged pulmonary arteries—22 years after atrial septal defect closure [letter] Gould LA, et al. **JAMA** 1987 Sep 18;258(11):1475–6
Pulmonary artery "stop–flow" angiography to visualize the anomalous origin of the left coronary artery from the pulmonary artery in infants. Piéchaud JF, et al. **Pediatr Cardiol** 1987;8(1):11–5
Thin slice CT study of solitary pulmonary nodules with emphasis on the relation to vasculatures. Wang X, et al. **Radiat Med** 1986 Jul–Sep;4(3):75–80
A lower-lobe-seeking pulmonary artery catheter. Ledor K, et al. **Radiology** 1987 Oct;165(1):286–7
Pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate [letter] Seyferth W, et al. **Radiology** 1987 Sep;164(3):875–6
Pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate. Smith DC, et al. **Radiology** 1987 Mar;162(3):617–8
New catheter design and placement technique for pulmonary arteriography. Tempkin DL, et al. **Radiology** 1987 Apr; 163(1):275–6
[Pulmonary digital subtraction angiography. A comparative study of 2 technics. Electrocardiographic servo–assistance versus 3 images per second] Hubert C, et al. **J Radiol** 1986 May;67(5):377–9 (Eng. Abstr.) (Fre)
[Compression of the right pulmonary artery by a dissecting aneurysm of the ascending aorta. Value of x-ray computed tomography] Marlois O, et al. **J Radiol** 1986 Nov; 67(11):815–8 (Eng. Abstr.) (Fre)
[Graphic imaging of pulsating objects using fluoroscopy units, evaluation of the technic in humans] Walter E, et al. **Biomed Tech (Berlin)** 1987 Jan–Feb;32(1–2):16–21 (Eng. Abstr.) (Ger)
[Objective assessment of lung vascularization and heart configuration from thoracic images in infants and children with congenital heart defects and cyanosis (intracardiac shunt and transposition of great vessels)] Nitz I, et al. **Radiol Diagn (Berl)** 1987;28(1):15–22 (Eng. Abstr.) (Ger)
[Extreme dilatation of the pulmonary trunk in severe long-term pulmonary hypertension] Spielmann RP, et al. **ROFO** 1987 Jul;147(1):101–3 (Ger)
[Behavior of the blood vessels of the lung on the roentgen image in children with bronchial asthma—determination of the width of the blood vessels] Hegenbarth R, et al. **Rontgenblatter** 1986 Nov;39(11):320–2 (Eng. Abstr.) (Ger)
[Pulmonary regurgitation with special reference to the shape of the pulmonary valve ring: a pulsed Doppler and angiographic study] Tsuneyoshi H, et al. **J Cardiogr** 1985 Dec;15(4):1145–56 (Eng. Abstr.) (Jpn)
[A case of pulmonary arteriovenous fistula resembling a peripheral pulmonary artery aneurysm on pulmonary angiography] Tsutsui M, et al. **Kyobu Geka** 1987 Mar; 40(4):338–41 (Eng. Abstr.) (Jpn)
[A case of pulmonary sequestration suggested by CT—special reference to the analysis of pulmonary vascular shadows] Satoh M, et al. **Rinsho Hoshasen** 1987 Jan;32(1):127–30 (Eng. Abstr.) (Jpn)
[Changes in the structure of pulmonary blood vessels and bronchi in progressive bronchial stenosis] Sachek MG, et al. **Grudn Khir** 1986 Sep–Oct;(5):39–43 (Eng. Abstr.) (Rus)
[Digital subtraction angiography in the diagnosis of pulmonary artery thromboembolisms] Elagin OS, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug;(4):20–4 (Eng. Abstr.) (Rus)
[X-ray characteristics of the anomalous origin of the left coronary artery from the pulmonary trunk] Kiseleva IP, et al. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):44–8 (Eng. Abstr.) (Rus)
[Intermittent dyspnea: problems in the differential diagnosis by digital pulmonary angiography] Lindgren SB, et al. **Lakartidningen** 1987 Jan 14;84(3):131–3 (Swe)

RADIONUCLIDE IMAGING

Pulmonary embolism—diagnosis by lung perfusion scintigraphy or digital subtraction angiography? Tylen U, et al. **Ann Radiol (Paris)** 1987;30(2):97–101
Inadvertent ligation of the left pulmonary artery instead of patent ductus arteriosus. Noninvasive diagnosis by pulmonary perfusion imaging. Orzel JA, et al. **Clin Nucl Med** 1986 Sep;11(9):629–31
Ventilation/perfusion mismatch of one lung in a patient with Takayasu's arteritis. Suzuki Y. **Clin Nucl Med** 1986 Oct; 11(10):733–4
A new radiographic method for cardiac output and cardiac shunt determination in vivo. Meyer H, et al. **Eur J Nucl Med** 1986;12(9):421–8
Unusual pulmonary artery 99mTc HSA uptake seen by gated blood pool imaging. Machac J, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):221–4

SURGERY

Reperfusion pulmonary edema after pulmonary artery thromboendarterectomy. Levinson RM, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1241–5
Growth of the pulmonary arteries following Blalock–Taussig shunt. Brandt B 3d, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S1–4
Optimal flow of aorta–pulmonary artery shunt in patients with cyanotic heart disease. Kusuhara K, et al. **Ann Thorac Surg** 1987 Aug;44(2):128–34
Peripheral pulmonary artery aneurysm in a patient with limited respiratory reserve: controlled resection using cardiopulmonary bypass. Murphy JP, et al. **Ann Thorac Surg** 1987 Mar;43(3):323–5
Atrioventricular valve repair or replacement in atriopulmonary anastomosis: surgical considerations. Vargas FJ, et al. **Ann Thorac Surg** 1987 Apr;43(4):403–5
Pulmonary artery connection in the Fontan procedure. Flexible polytetrafluoroethylene conduit for expansion. Nawa S, et al. **Chest** 1987 Apr;91(4):552–7
Modifications of the Fontan operation applicable to patients with left atrioventricular valve atresia or single atrioventricular valve. Puga FJ, et al. **Circulation** 1987 Sep; 76(3 Pt 2):III53–60
Lung scan in a cardiac patient with Glenn anastomosis. Tiu S, et al. **Clin Nucl Med** 1987 Jul;12(7):567–8
Bronchoplastic and angioplastic operation in bronchial carcinoma: long-term results of a retrospective analysis from 1973 to 1983. Vogt-Moykopf I, et al. **Int Surg** 1986 Oct–Dec;71(4):211–20
Long-term evaluation of five biomaterials for angioplastic enlargement of the pulmonary artery in a young dog model. Planche CL, et al. **J Biomed Mater Res** 1987 Apr; 21(4):509–23
Arterial repair for simple and complex forms of transposition of the great arteries. Bove EL, et al. **J Cardiovasc Surg (Torino)** 1987 Jan–Feb;28(1):54–60
Central aorta–pulmonary artery shunts in neonates with complex cyanotic congenital heart disease. Barragry TP, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):767–74
Intrauterine creation and repair of pulmonary artery stenosis in the fetal lamb. Weight and ultrastructural changes of the ventricles. Bical O, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):761–6
Takayasu's arteritis with bilateral pulmonary artery stenosis. Successful surgical correction. Chauvaud S, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):246–50
Modifications of techniques and early results of pulmonary thromboendarterectomy for chronic pulmonary embolism. Daily PO, et al. **J Thorac Cardiovasc Surg** 1987 Feb; 93(2):221–33
Replacement of obstructed extracardiac conduits with autogenous tissue reconstructions. Danielson GK, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):555–9
Modified ascending aorta–right pulmonary artery shunt [letter] Merin G. **J Thorac Cardiovasc Surg** 1987 Apr; 93(4):638–9
Staged repair of supravalvular aortic stenosis associated with severe multiple peripheral pulmonary stenoses: report of extended peripheral pulmonary arterioplasty. Yamaguchi M, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):785–9
Modified Fontan operation for single ventricle with common atrium and abnormal systemic venous drainage: usefulness of an additional superior vena cava to pulmonary artery anastomosis. Matsuda H, et al. **Pediatr Cardiol** 1987; 8(1):43–6
Closure of ventricular septal defect through the pulmonary artery. Monro JL, et al. **Pediatr Cardiol** 1986;7(4):195–8
Successful treatment of tumor embolism of a hypernephroma with complete occlusion of the left pulmonary artery. Isringhaus H, et al. **Thorac Cardiovasc Surg** 1987 Feb; 35(1):65–6
[Aneurysms of the pulmonary artery. Apropos of a case of a peripheral aneurysm treated by aneurysmectomy] Houdelette P, et al. **Ann Chir** 1987;41(2):89–93 (Eng. Abstr.) (Fre)
[Reconstruction of pulmonary artery branches with pedicled flaps from the autologous pericardium] Hvass U, et al. **Presse Med** 1987 Mar 14;16(9):441–3 (Eng. Abstr.) (Fre)
[Percutaneous embolization of a Blalock–Taussig shunt in an adult] Piovaccari G, et al. **G Ital Cardiol** 1986 Jun; 16(6):527–30 (Eng. Abstr.) (Ita)
[Total cavopulmonary shunt operation of a single ventricle—report of two cases] Iriyama T, et al. **Kyobu Geka** 1986 Sep;39(9):679–85 (Eng. Abstr.) (Jpn)
[Modified Fontan operation after pulmonary artery banding for a single ventricle with levo-transposition of great arteries: a case report] Saitoh H, et al. **Kyobu Geka** 1986 Dec;39(12):1007–11 (Eng. Abstr.) (Jpn)
[Cava–pulmonary artery shunt—long-term effect and pulmonary hemodynamics] Sawatari K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct; 34(10):1795–803 (Eng. Abstr.) (Jpn)
[An operative case of bilateral coronary to pulmonary fistulae associated with multiple large aneurysms] Suzuki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Oct;34(10):1853–6 (Eng. Abstr.) (Jpn)
[Effects of long-term veno-arterial bypass after open heart surgery on the blood coagulation system and hemolysis] Yamamoto S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):302–6 (Eng. Abstr.) (Jpn)
[Hemodynamic and cardiometric studies in patients with ventricular septal defects with a history of surgery of pulmonary artery stenosis at an early age] Fal'kovskii GE, et al. **Grudn Khir** 1987 Mar–Apr;(2):28–33 (Eng. Abstr.) (Rus)
[Radical correction of tetralogy of Fallot after Culie–Edwards anastomosis and cavapulmonary fistula of septic etiology] Podzolkov VP, et al. **Grudn Khir** 1987 Mar–Apr;(2):80–1 (Rus)
[Aorto–pulmonary anastomoses in the step–by–step surgical treatment of tetralogy of Fallot] Zin'kovskii MF, et al. **Klin Khir** 1986;(10):14–7 (Eng. Abstr.) (Rus)
[Diagnosis and treatment of pulmonary embolism] Volodos' NL, et al. **Vestn Khir** 1986 Aug;137(8):3–9 (Eng. Abstr.) (Rus)
[Systemic–pulmonary fistula. Percentage of children attaining corrective surgery] Fortuny R, et al. **An Esp Pediatr** 1987 Jan;26(1):22–6 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

Phorbol ester induces diaphragmed fenestrae in large vessel endothelium in vitro. Lombardi T, et al. **Eur J Cell Biol** 1987 Aug;44(1):86–9

PULMONARY ARTERY WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

PULMONARY CAPILLARY WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

PULMONARY CIRCULATION

see related
VENTILATION–PERFUSION RATIO

Pulmonary perfusion in HFV: a potential hazard? Kalenda Z, et al. **Acta Anaesthesiol Belg** 1986;37(3):155–63
Measurement of pulmonary capillary blood flow by a nitrous oxide rebreathing technique. Stokke T, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):496–501
Tracheobronchial microvessels perfused via the pulmonary artery in guinea-pig isolated lungs. Kröll F, et al. **Acta Physiol Scand** 1987 Mar;129(3):445–6
Beta blockers: an effective treatment in congenital coronary fistulas to main pulmonary trunk in adults. Schützenberger W, et al. **Am Heart J** 1987 Jun;113(6):1519–21
A pulsed Doppler echocardiographic study of the postnatal changes in pulmonary artery and ascending aortic flow in normal term newborn infants. Takenaka K, et al. **Am Heart J** 1987 Mar;113(3):759–66
Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period. Wilson N, et al. **Am Heart J** 1987 Mar;113(3):750–8
Squamous and trophoblastic cells in the maternal pulmonary circulation identified by invasive hemodynamic monitoring during the peripartum period. Lee W, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):999–1001
Capillary remodeling in bleomycin-induced pulmonary fibrosis. Schraufnagel DE, et al. **Am J Pathol** 1986 Oct; 125(1):97–106
Pulmonary vascular pressure–flow relationship in canine oleic acid pulmonary edema. Boiteau P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1163–70
Role of eicosanoids in hypoxic vasoconstriction in isolated lamb lungs. Raj JU, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H626–33
Effect of inflation on microvascular pressures in lungs of

young rabbits. Raj JU, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H80–4

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference. Deckers, Colorado, September 15–18, 1986.
Am Rev Respir Dis 1987 Jul;136(1):195–224

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference, Deckers, Colorado. September 15–18, 1986. 2.
Am Rev Respir Dis 1987 Aug;136(2):455–91

Lipid mediators in the normal and abnormal pulmonary circulation. Reports from the Second Grover Conference. Deckers, Colorado, September 15–18, 1986. 3.
Am Rev Respir Dis 1987 Sep;136(3):762–88

The lung microvascular pressure profile. New kid on the block [editorial] Bhattacharya J. **Am Rev Respir Dis** 1986 Nov;134(5):854–5

Increased pulmonary transvascular protein flux after canine cardiopulmonary bypass. Association with lung neutrophil sequestration and tissue peroxidation. Braude S, et al.
Am Rev Respir Dis 1986 Nov;134(5):867–72

Conference summary: lipid mediators in the pulmonary circulation. Brigham KL. **Am Rev Respir Dis** 1987 Sep; 136(3):785–8

Postnatal regulation of the pulmonary circulation: a role for lipid mediators? Heymann MA. **Am Rev Respir Dis** 1987 Jul;136(1):222–4 (39 ref.)

Relationship of arterial wedge pressure to closing pressure in the pulmonary circulation. Jasper AC, et al.
Am Rev Respir Dis 1986 Nov;134(5):879–84

Leukotrienes and the immature pulmonary circulation. Kulik TJ, et al. **Am Rev Respir Dis** 1987 Jul;136(1):220–2 (25 ref.)

Biochemical and cellular actions of membrane lipids. Lands WE. **Am Rev Respir Dis** 1987 Jul;136(1):200–4 (56 ref.)

Proteolytic activity in sheep lung lymph as marker of lung capillary injury. Lesser M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):643–50

Complement activation and membrane lipids in lung vascular injury. Lundberg C, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):459–62

Mechanisms of thrombin-induced lung vascular injury and edema. Malik AB, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):467–70

Effect of exercise on lung lymph flow in unanesthetized sheep with increased pulmonary vascular permeability. O'Brodovich H, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):862–6

Possible role for membrane Lipids in the function of the normal and ab normal pulmonary circulation. Reeves JT, et al. **Am Rev Respir Dis** 1987 Jul;136(1):196–9 (49 ref.)

Pulmonary oxygen toxicity and ischemia–reperfusion injury. A mechanism in common involving xanthine oxidase and neutrophils. Repine JE, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):483–5

The binding of cationic probes to apical and basal surfaces of rat lung capillary endothelium and of endothelial cells in tissue culture. Rounds S, et al. **Am Rev Respir Dis** 1987 Mar;135(3):725–30

Pulmonary vascular structural and functional changes in papain-induced emphysema in dogs. Rubin LJ, et al.
Am Rev Respir Dis 1987 Sep;136(3):704–9

Role of membrane lipids in the pulmonary vascular abnormalities caused by bacterial toxins. Seeger W, et al.
Am Rev Respir Dis 1987 Aug;136(2):462–6

Role of membrane lipids in the control of normal vascular tone. Voelkel NF, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):214–7 (61 ref.)

Lipid mediators, neutrophils, and endothelial injury. Worthen GS. **Am Rev Respir Dis** 1987 Aug;136(2):455–8

Vascular components of ARDS. Clinical pulmonary hemodynamics and morphology. Zapol WM, et al.
Am Rev Respir Dis 1987 Aug;136(2):471–4

Hypoxia-induced pulmonary vasoconstriction in the human lung. The effect of isoflurane anesthesia. Carlsson AJ, et al. **Anesthesiology** 1987 Mar;66(3):312–6

Bedside measurement of pulmonary capillary pressure in patients with acute respiratory failure. Collee GG, et al.
Anesthesiology 1987 May;66(5):614–20

Continuous Fick cardiac output compared to continuous pulmonary artery electromagnetic flow measurement in pigs. Davies G, et al. **Anesthesiology** 1987 Jun;66(6):805–9

The effect of nitroprusside on pulmonary edema, oxygen exchange, and blood flow in hydrochloric acid aspiration. Gottlieb SS, et al. **Anesthesiology** 1987 Aug;67(2):203–10

Pulmonary hemodynamic response to dopamine and dobutamine in hyperoxic and in hypoxic dogs. Lejeune P, et al. **Anesthesiology** 1987 Jan;66(1):49–54

Effects of changes in pulmonary perfusion and surface area on endothelial ACE activity. Pitt BR, et al.
Ann Biomed Eng 1987;15(2):229–38 (35 ref.)

Hypoxemia due to pulmonary vascular shunts in cirrhosis. Rivera JV, et al. **Bol Asoc Med PR** 1986 Oct;78(10):437–8

Comparison of regional pulmonary perfusion in lobar pneumonia during high frequency and conventional mechanical ventilation in sheep. Girotti MJ, et al.
Can J Anaesth 1987 May;34(3 (Pt 1)):252–8

A method to study pulmonary vascular response in the conscious newborn piglet. Coe JY, et al.
Can J Physiol Pharmacol 1987 May;65(5):785–90

Adrenoceptor function in the bovine pulmonary circulation. Greenlees KJ, et al. **Can J Physiol Pharmacol** 1986 Jun; 64(6):689–93

Regulation of lung water content and distribution: theoretical concepts, experimental data and methods of determination. Cutillo AG. **Cardiologia** 1985 Oct;30(10):935–40

Hypoxic vasoconstriction increases with postnatal age in lungs from newborn rabbits. Fike CD, et al. **Circ Res** 1987 Feb;60(2):297–303

Endothelium-dependent modulation of cGMP levels and intrinsic smooth muscle tone in isolated bovine intrapulmonary artery and vein. Ignarro LJ, et al.
Circ Res 1987 Jan;60(1):82–92

Effect of edema on segmental vascular resistance in isolated lamb lungs determined by micropuncture. Raj JU, et al.
Circ Res 1987 Aug;61(2):236–43

Micropuncture measurement of microvascular pressures in isolated lamb lungs during hypoxia. Raj JU, et al.
Circ Res 1986 Oct;59(4):398–404

Hypoxia does not alter angiotensin converting enzyme activity in hamster pulmonary microvessels. Shepard JM, et al. **Circ Res** 1987 Aug;61(2):228–35

A comparison of Escherichia coli endotoxin single bolus injection with low-dose endotoxin infusion on pulmonary and systemic vascular changes. D'Orio V, et al.
Circ Shock 1987;21(3):207–16

Pulmonary hydrostatic microvascular pressure changes and lung fluid balance during histamine infusion in intact dogs. Rodriguez LM, et al. **Circ Shock** 1987;22(1):83–90

Pulmonary vascular response to live Escherichia coli: influences of different antiplatelet substances. Svartholm E, et al. **Circ Shock** 1987;22(2):173–83

Pulmonary microvascular changes during hyperdynamic sepsis in an ovine model. Traber DL, et al. **Circ Shock** 1987;22(2):185–93

Augmentation of pulmonary blood flow by a right atrial balloon pump after the Fontan operation. Jacobs ML, et al. **Circulation** 1987 Sep;76(3 Pt 2):III72–6

Radionuclide demonstration of systemic arterial supply to the lung in Takayasu's arteritis. Hardoff R, et al.
Clin Nucl Med 1987 Jun;12(6):479–81

Quantitation of right-to-left shunt ratio in patients with pulmonary telangiectasia by technetium-99m MAA lung perfusion imaging. Suzuki Y. **Clin Nucl Med** 1986 Feb; 11(2):84–7

Comparison of computed tomographic lung density with haemodynamic data of the pulmonary circulation. Vock P, et al. **Clin Radiol** 1986 Sep;37(5):459–64

Pulmonary extraction of circulating noradrenaline in man. Henriksen JH, et al. **Eur J Clin Invest** 1986 Oct;16(5):423–7

Maximal oxygen consumption and pulmonary circulation in patients with chronic bronchitis. Henriquez A, et al.
Eur J Clin Invest 1986 Dec;16(6):526–30

Dynamic imaging of the compliant perfusion of the lungs. de Lima JJ, et al. **Eur J Nucl Med** 1986;12(5–6):258–62

Pulmonary haemodynamic response to two-stage exercise in patients with chronic bronchitis. Araujo I, et al.
Eur J Respir Dis 1986 Oct;69(4):270–5

Cardiovascular changes during isometric and dynamic exercise in chronic lung disease. Schrijen F, et al.
Eur J Respir Dis 1987 Apr;70(4):199–204

Sites of transendothelial liquid transport in lung microcirculation. Bhattacharya J. **Fed Proc** 1987 Jun; 46(8):2502–5 (26 ref.)

Venous pattern of the left apical bronchopulmonary segment (S6) of the human lower lobe. Topol M.
Folia Morphol (Warsz) 1986;45(3):169–74

Doppler echocardiographic evaluation of left-to-right shunts in congenital heart disease. Donnerstein RL. **Herz** 1986 Oct;11(5):277–82

Correlation of membrane diffusion capacity & capillary blood volume with haemoglobin concentration & calorie intake. Singh S, et al. **Indian J Med Res** 1987 Jan;85:94–103

The process of gas exchange in the pulmonary circulation incorporating the contribution of axial diffusion. Sharan M, et al. **Int J Biomed Comput** 1987 Mar;20(3):191–209

Pulmonary and systemic contribution to canine tracheobronchial blood flow. Michelassi F, et al.
Ital J Surg Sci 1987;17(2):105–12

Temperature alters bronchial blood flow response to pulmonary arterial obstruction. Agostoni PG, et al.
J Appl Physiol 1987 May;62(5):1907–11

Locus of hypoxic vasoconstriction in isolated ferret lungs. Brower RG, et al. **J Appl Physiol** 1987 Jul;63(1):58–65

Arterial occlusion versus isofiltration pulmonary capillary pressures during very high flow. Bshouty Z, et al.
J Appl Physiol 1987 Mar;62(3):1174–8

Comparison of direct and indirect measurements of pulmonary capillary transit times. Capen RL, et al.
J Appl Physiol 1987 Mar;62(3):1150–4

Systemic arterial blood supply to the trachea and lung in sheep. Charan NB, et al. **J Appl Physiol** 1987 Jun; 62(6):2283–7

Hypoxic pulmonary vasoconstriction does not affect hydrostatic pulmonary edema formation. Cheney FW, et al. **J Appl Physiol** 1987 Feb;62(2):776–80

Regional pulmonary blood flow during 96 hours of hypoxia in conscious sheep. Curran-Everett DC, et al.
J Appl Physiol 1986 Dec;61(6):2136–43

Density dependence of maximal flow is lung volume dependent during bronchoconstriction. Greville HW, et al.
J Appl Physiol 1987 Feb;62(2):691–705

O2 radicals mediate reperfusion lung injury in ischemic O2-ventilated canine pulmonary lobe. Koyama I, et al.
J Appl Physiol 1987 Jul;63(1):111–5

Cat lung hemodynamics: comparison of experimental results and model predictions. Krishnan A, et al.
J Appl Physiol 1986 Dec;61(6):2023–34

Acute increases in anastomotic bronchial systemic to pulmonary blood flow due to generalized lung injury. Lakshminarayan S, et al. **J Appl Physiol** 1987 Jun; 62(6):2358–61

Physiological neutrophil sequestration in the lung: visual evidence for localization in capillaries. Lien DC, et al.
J Appl Physiol 1987 Mar;62(3):1236–43

Stimulation of groups III and IV phrenic afferents reflexly decreases total lung resistance in dogs. McCallister LW, et al. **J Appl Physiol** 1986 Oct;61(4):1346–51

Hyperventilation, alkalosis, prostaglandins, and pulmonary circulation of the newborn. Morin FC 3d.
J Appl Physiol 1986 Dec;61(6):2088–94

Microvascular pressures measured by micropuncture in isolated perfused lamb lungs. Raj JU, et al.
J Appl Physiol 1986 Dec;61(6):2194–201

Fast-phase transvascular fluid flux and the Fahraeus effect. Richardson WN, et al. **J Appl Physiol** 1987 Apr; 62(4):1513–20

Segmental vascular resistances and compliances in dog lung. Rippe B, et al. **J Appl Physiol** 1987 Mar;62(3):1206–15

Role of lipids in bone marrow-induced pulmonary edema. Selig WM, et al. **J Appl Physiol** 1987 Mar;62(3):1068–75

Sepsis in sheep reduces pulmonary microvascular sieving capacity. Smith L, et al. **J Appl Physiol** 1987 Apr; 62(4):1422–9

Estimation of equivalent pore radii in pulmonary microvasculature after lung lymph fistula preparation. Smith L, et al. **J Appl Physiol** 1987 Jun;62(6):2300–7

Zone 2 and zone 3 pulmonary blood flow. Soohoo SL, et al. **J Appl Physiol** 1987 May;62(5):1982–8

Effects of lung volume and alveolar surface tension on pulmonary vascular resistance. Sun RY, et al.
J Appl Physiol 1987 Apr;62(4):1622–6

Vertical gradient of pulmonary capillary transit times. Wagner WW Jr, et al. **J Appl Physiol** 1986 Oct;61(4):1270–4

Reflex cardiorespiratory responses to pulmonary vascular congestion. Wead WB, et al. **J Appl Physiol** 1987 Mar; 62(3):870–9

The relative distribution of pulmocutaneous blood flow in Rana catesbeiana: effects of pulmonary or cutaneous hypoxia. Boutilier RG, et al. **J Exp Biol** 1986 Nov;126:33–9

Arteriovenous shunting in experimental liver cirrhosis in rats. Leehey DJ, et al. **J Lab Clin Med** 1987 Jun;109(6):687–91

Impaired adaptation of pulmonary circulation to extrauterine life in newborn pigs exposed to hypoxia: an ultrastructural study. Allen KM, et al. **J Pathol** 1986 Nov;150(3):205–12

Animal model of acute pulmonary thromboembolism treated by local recirculation of streptokinase through the lung. Cabrera Fischer EI, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):620–7

Myoventriculoplasty and neoventricle myograft cardiac augmentation to establish pulmonary blood flow. Preliminary observations and feasibility studies. Macoviak JA, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):212–20

Early post-traumatic changes in hemodynamics and pulmonary ventilation in alcohol-pretreated pigs. Blomqvist S, et al. **J Trauma** 1987 Jan;27(1):40–4

Continuous measurement of pulmonary blood flow using a retractable pulsed Doppler probe. Lucas CL, et al.
J Ultrasound Med 1987 Apr;6(4):181–90

Pulmonary circulation, extravascular water, and solute flux as determined by positron emission tomography. Schuster DP, et al. **Lymphology** 1987 Mar;20(1):25–35 (47 ref.)

Angiography for delineation of systemic-to-pulmonary shunts in congenital pulmonary atresia: evaluation with the dynamic spatial reconstructor. Liu YH, et al.
Mayo Clin Proc 1986 Dec;61(12):932–41

Early Arabian physician describes pulmonary circulation. Shampo MA, et al. **Mayo Clin Proc** 1987 Feb;62(2):141

Pulmonary microcirculation: differences in endothelia of subpleural and alveolar capillaries. DeFouw DO, et al.
Microvasc Res 1986 Nov;32(3):348–58

Thrombin-endothelial interactions: role in lung vascular permeability. Malik AB, et al. **Mol Aspects Med** 1985; 8(6):515–54 (93 ref.)

Wedge pressure in pulmonary veno-occlusive disease [letter] Wiedemann HP. **N Engl J Med** 1986 Nov 6;315(19):1233

Coronary and pulmonary vascular effects of leukotrienes and PAF-acether. Goldstein RE, et al.
Pharmacol Res Commun 1986 Aug;18 Suppl:151–62

Pulmonary pressure-flow relation after trauma and hemorrhagic shock. Klöss T, et al. **Res Exp Med (Berl)** 1986;186(5):325–36

Hypoxic pulmonary vasoconstriction and pulmonary gas exchange in normal man. Mélot C, et al. **Respir Physiol** 1987 Apr;68(1):11–27

Cardiorespiratory function after correction of tetralogy of Fallot. Modifying effect of previous shunt operation. Takkunen O, et al. **Scand J Thorac Cardiovasc Surg** 1987; 21(1):21–6

Role of prostaglandins, thromboxanes, and leukotrienes in the control of the pulmonary circulation in the fetus and newborn. Cassin S. **Semin Perinatol** 1987 Jan;11(1):53–63 (112 ref.)

Effects of changes in pulmonary arterial blood flow on ventilation in dogs. Lee BP, et al.
Taiwan I Hsueh Hui Tsa Chih 1987 Jan;86(1):1–10

Ultrastructural evidence of pulmonary capillary endothelial damage from paraquat. Dearden LC, et al. **Toxicology** 1982; 24(3–4):211–22

[Changes in the impedance pulmonary rheogram in cor pulmonale patients treated by traditional Chinese medicine and Western medicine] Li TQ, et al.
Chung Hsi I Chieh Ho Tsa Chih 1987 Feb;7(2):78–9, 68 (Eng. Abstr.) **(Chi)**

[Changes in pulmonary and cerebral blood flow and the relation between the changes and pulmonary edema in the early phase of respiratory distress syndrome induced by oleic acid in rabbits] Wang R.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Oct;9(5):290–2, 319 (Eng. Abstr.) **(Chi)**

[Measurement of effective pulmonary capillary blood flow with body–plethysmography using nitrous oxide] Ma KF, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):338–40, 381 (Eng. Abstr.) **(Chi)**

[Concentration curve of tritiated water in expired gas in rabbits: its measurement and physiological significances] Sun ZM, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):84–91 (Eng. Abstr.) **(Chi)**

[Values of cardiopulmonary volume in patients with systemic hypertension] Jandová R, et al. **Cas Lek Cesk** 1986 Aug 15;125(33):1029–34 (Eng. Abstr.) **(Cze)**

[Probable knowledge of cardiopulmonary circulation in Siebenbürgen (Transylvania) in the 16th century] Izsák S. **Clio Med** 1984;19(3–4):251–8 **(Ger)**

[Pulmonary atresia with ventricular septal defect: the significance of collateral lung perfusion for the prognosis of corrective operations] Hofbeck M, et al. **Z Kardiol** 1987 Jun;76(6):364–70 (Eng. Abstr.) **(Ger)**

[Hemodynamics of the lesser circulation in systemic arterial hypertension] Guazzi MD. **Cardiologia** 1985 Oct; 30(10):947–50 **(Ita)**

[Analysis of pulmonary blood flow dynamics using Tc-99m red blood cells pulmonary scintigraphy] Hayashida K.
Kaku Igaku 1987 Apr;24(4):427–39 (Eng. Abstr.) **(Jpn)**

[Utility of digital Tc-99m-MAA pulmonary perfusion images for estimating prognosis of dilated cardiomyopathy] Tanaka T, et al. **Kaku Igaku** 1986 Oct;23(10):1491–5 **(Jpn)**

[Postural changes in pulmonary spot impedance with special reference to pulmonary hemodynamics] Asada T.
Nippon Kyobu Geka Gakkai Zasshi 1986 Aug; 34(8):1098–108 (Eng. Abstr.) **(Jpn)**

[Estimation of pulmonary to systemic flow ratio in atrial septal defect by echocardiography] Kishimoto H.
Nippon Kyobu Geka Gakkai Zasshi 1986 Oct; 34(10):1776–84 (Eng. Abstr.) **(Jpn)**

[Cava–pulmonary artery shunt—long–term effect and pulmonary hemodynamics] Sawatari K, et al.
Nippon Kyobu Geka Gakkai Zasshi 1986 Oct; 34(10):1795–803 (Eng. Abstr.) **(Jpn)**

[The role of leukotrienes in hypoxic pulmonary vasoconstriction in dogs] Nakanishi S, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Aug; 24(8):865–70 (Eng. Abstr.) **(Jpn)**

[Effect of oxygen on the regional distribution of ventilation–perfusion in the lung and the right ventricular ejection fraction—assessment using Xe-133 and Kr-81m] Uchida K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep;24(9):985–90 (Eng. Abstr.) **(Jpn)**

[Dynamics of right ventricular contraction and pulmonary circulation in children with tetralogy of Fallot. I. Preoperative diagnosis] Szafański B, et al. **Kardiol Pol** 1986;29(8):515–25 (Eng. Abstr.) **(Pol)**

[Dynamics of right ventricular contraction and pulmonary circulation in children with tetralogy of Fallot. II. Use of impedance rheography in evaluating the results of correction of the defect] Szafański B, et al.
Kardiol Pol 1986;29(8):526–36 (Eng. Abstr.) **(Pol)**

[Determining the dynamics of right-ventricular contraction and pulmonary blood flow using the impedance technic] Szafański B. **Kardiol Pol** 1986;29(4):292–300 (Eng. Abstr.) **(Pol)**

[Functional studies of the respiratory system in children with congenital heart defects and reduced pulmonary blood flow] Szczepańska Z. **Pediatr Pol** 1986 Oct;61(10):629–34 (Eng. Abstr.) **(Pol)**

[The fate of patients with chronic bronchitis during 3 years' observation in relation to respiratory function and pulmonary hemodynamics] Chodosowska E.
Pneumonol Pol 1986 Sep;54(9):381–93 (Eng. Abstr.) **(Pol)**

[Pulmonary function and pulmonary circulation in patients with chronic bronchitis after many years' observation] Chodosowska E. **Pneumonol Pol** 1986 Sep;54(9):394–400 (Eng. Abstr.) **(Pol)**

[Current views on the pathophysiology and treatment of chronic pulmonary heart disease] Halawa B, et al.
Wiad Lek 1986 Dec 15;39(24):1678–87 (81 ref.) **(Pol)**

[Effect of hyperbaric oxygenation on pulmonary circulation and central hemodynamics in patients with closed chest injury] Isakov IuV, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):37–40 (Eng. Abstr.) **(Rus)**

[Effect of a local disorder of bronchial patency on the circulation and gas exchange in the lungs] Putov NV, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):32–5 (Eng. Abstr.) **(Rus)**

[Changes in the filtration–absorption equilibrium in the lungs in response to electrolyte hemodilution] Vasil'ev AIu, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1206–12 (Eng. Abstr.) **(Rus)**

[Diagnostic value of rheopulmonography in pulmonary thromboembolism] Antonova NIu, et al. **Grudn Khir** 1987 May–Jun;(3):12–6 (Eng. Abstr.) **(Rus)**

[Hemodynamics of pulmonary circulation, gas exchange and acid–base equilibrium of the blood after exclusion of one lung from ventilation] Dzhafarov ChM, et al.
Grudn Khir 1987 May–Jun;(3):58–62 (Eng. Abstr.) **(Rus)**

[Ventilation and blood flow of the solitary lung in the early postoperative period (data of zonal rheography)] Ivan'ko TP, et al. **Grudn Khir** 1987 Mar–Apr;(2):75–8 (Eng. Abstr.) **(Rus)**

[Status of pulmonary microcirculation in chronic nonspecific lung diseases] Kuzubova NA, et al. **Klin Med (Mosk)** 1986 Dec;64(12):82–5 (Eng. Abstr.) **(Rus)**

[Dynamics of pulmonary regional blood flow and ventilation following 1-stage bilateral operations in patients with respiratory tuberculosis] Sigaev AT, et al. **Probl Tuberk** 1986;(9):34–7 (Eng. Abstr.) **(Rus)**

[Function of the system of external respiration in disorders of pulmonary hemodynamics of different etiologies] Aleksa VI, et al. **Sov Med** 1986;(10):93–5 **(Rus)**

[Systematization of the indices of pulmonary rheography] Anshukov VK, et al. **Vrach Delo** 1987 Feb;(2):23–5 (Eng. Abstr.) **(Rus)**

[Status of pulmonary and central hemodynamics of patients with different forms of arterial hypertension] Bobrov VA, et al. **Vrach Delo** 1987 May;(5):72–4 (Eng. Abstr.) **(Rus)**

[Tetrapolar rheographic indices in detecting hemodynamic disorders of the lesser circulation] Garmash VIa, et al.
Vrach Delo 1987 Jul;(7):20–2 (Eng. Abstr.) **(Rus)**

[Zonal rheoplethysmography in determining ventilation and blood flow in the lungs (a review of the literature)] Marchuk IK. **Vrach Delo** 1987 Apr;(4):11–4 (49 ref.) (Eng. Abstr.) **(Rus)**

[Shunts in thoracotomy and lung resection] Maldini B, et al. **Piucne Bolesti** 1986 Jan–Mar;38(1):32–6 (Eng. Abstr.) **(Scr)**

[The regulatory significance of the ventricular septum in the equilibrium between the greater and lesser circulation] Linnarsson D. **Lakartidningen** 1987 May 6;84(19):1668–70 **(Swe)**

DRUG EFFECTS

Leukocytes are required for the trypsin-induced increase in lung vascular permeability. Garcia-Szabo RR, et al.
Am J Pathol 1986 Sep;124(3):377–83

Hydrogen peroxide elicits pulmonary arterial relaxation and guanylate cyclase activation. Burke TM, et al.
Am J Physiol 1987 Apr;252(4 Pt 2):H721–32

Pulmonary depressor reflex elicited by capsaicin in conscious intact and lung-denervated dogs. Clifford PS, et al.
Am J Physiol 1987 Feb;252(2 Pt 2):R394–7

Thromboxane does not mediate pulmonary vascular response to monocrotaline pyrrole. Ganey PE, et al.
Am J Physiol 1987 Apr;252(4 Pt 2):H743–8

Dexamethasone potentiates hypoxic vasoconstriction in salt solution-perfused rat lungs. Herget J, et al.
Am J Physiol 1987 Sep;253(3 Pt 2):H574–81

Prostanoid mediation of pulmonary vascular response to acetylcholine in rabbits. el Kashef HA, et al.
Am J Physiol 1986 Oct;251(4 Pt 2):H808–14

AVP-induced pulmonary vasodilation during specific V1 receptor block in conscious dogs. Nyhan DP, et al.
Am J Physiol 1987 Sep;253(3 Pt 2):H493–9

Pulmonary vasoactive effects of exogenous and endogenous AVP in conscious dogs. Nyhan DP, et al.
Am J Physiol 1986 Nov;251(5 Pt 2):H1009–16

Ibuprofen prevents thrombin-induced lung vascular injury: mechanism of effect. Perlman MB, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H605–14

Effects of adenosine triphosphate on pulmonary circulation in chronic obstructive pulmonary disease. ATP: a pulmonary vasoregulator? Gaba SJ, et al.
Am Rev Respir Dis 1986 Dec;134(6):1140–4

Pulmonary and systemic hemodynamic effects of nitrous oxide in infants with normal and elevated pulmonary vascular resistance. Hickey PR, et al. **Anesthesiology** 1986 Oct;65(4):374–8

The actions of halothane, ibuprofen and BW755C on hypoxic pulmonary vasoconstriction. Marshall C, et al.
Anesthesiology 1987 Apr;66(4):537–42

C5a and thromboxane generation associated with pulmonary vaso- and broncho-constriction during protamine reversal of heparin. Morel DR, et al. **Anesthesiology** 1987 May; 66(5):597–604

Differential effects of isoflurane on regional right and left ventricular performances, and on coronary, systemic, and pulmonary hemodynamics in the dog. Priebe HJ.
Anesthesiology 1987 Mar;66(3):262–72

The vasodilatation induced by hydroperoxy metabolites of arachidonic acid in the rat mesenteric and pulmonary circulation. d'Alarcao M, et al. **Br J Pharmacol** 1987 Jul; 91(3):627–32

Differential effects of leukotrienes C4, D4, and E4 in the pulmonary and systemic vasculature of sheep. Ahmed T, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec; 22(6):573–80

Improvement of gas exchange during inhibition of hypoxic pulmonary vasoconstriction by nitrendipine in piglets. Escourrou PJ, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):531–7

Prostaglandin E1 prevents increased lung microvascular permeability during intravascular complement activation in sheep. Gee MH, et al. **Circ Res** 1987 Sep;61(3):420–8

Treatment of canine pulmonary hypertension: effects of norepinephrine and isoproterenol on pulmonary vascular pressure–flow characteristics. Ducas J, et al. **Circulation** 1987 Jan;75(1):235–42

Influence of prostaglandin D2 on hemodynamic effects of group B streptococcus in neonatal lambs. Huddleston KW, et al. **Dev Pharmacol Ther** 1986;9(4):260–5

Effects of phenylephrine on systemic and pulmonary artery pressure during sepsis-induced pulmonary hypertension in piglets. Meadow WL, et al. **Dev Pharmacol Ther** 1986; 9(4):249–59

Vasodilator effect of amrinone in the pulmonary and systemic circulation [letter] Wilmshurst P. **Eur Heart J** 1986 Dec; 7(12):1090–1

Effects of clenbuterol on pulmonary circulation and on oxygen delivery in chronic airflow obstruction. Bertoli L, et al. **Eur J Respir Dis [Suppl]** 1986;146:503–10

Compared effects of ATP vs adenosine on pulmonary circulation of COPD. Gaba S, et al.
Eur J Respir Dis [Suppl] 1986;146:515–22

Persistent hemodynamic and clinical improvement after captopril in patients with pulmonary hypertension. Stumpe KO, et al. **Herz** 1986 Aug;11(4):217–25

Influence of nimodipine and nifedipine on intrapulmonary shunting—a comparison to other vasoactive drugs. Boldt J, et al. **Intensive Care Med** 1987;13(1):52–6

Systemic and pulmonary hemodynamic responses to nicardipine during graded ergometric exercise in patients with moderate to severe essential hypertension. Cody RJ, et al. **J Am Coll Cardiol** 1987 Sep;10(3):647–54

Pulmonary pressor responses in sheep to chemically defined precursors of E. coli endotoxin. Burhop KE, et al.
J Appl Physiol 1987 Mar;62(3):1141–9

Platelet-activating factor increases lung vascular permeability to protein. Burhop KE, et al.
J Appl Physiol 1986 Dec;61(6):2210–7

Prostanoid inhibition potentiates vasoconstrictor response to acetylcholine in dog lung. Catravas JD, et al.
J Appl Physiol 1986 Sep;61(3):1035–40

Pulmonary vascular responses to angiotensin II and captopril in conscious dogs. Goll HM, et al. **J Appl Physiol** 1986 Oct;61(4):1552–9

Effects of indomethacin on estradiol-induced attenuation of hypoxic vasoconstriction in lamb lungs. Gordon JB, et al.
J Appl Physiol 1986 Dec;61(6):2116–21

Effects of cyclooxygenase inhibition on pulmonary vascular responses to serotonin. Hofman WF, et al.
J Appl Physiol 1987 Mar;62(3):1192–200

CVF-induced decompletmentation: effect on lung transvascular protein flux after thrombin. Johnson A, et al. **J Appl Physiol** 1987 Mar;62(3):863–9

Effect of complement activation with cobra venom factor on pulmonary vascular permeability. Johnson A, et al.
J Appl Physiol 1986 Dec;61(6):2202–9

Bradykinin actively modulates pulmonary vascular pressure–cardiac index relationships. Nyhan DP, et al.
J Appl Physiol 1987 Jul;63(1):145–51

Effects of prostaglandin F2 alpha and prostacyclin on pulmonary microcirculation in the cat. Sada K, et al.
J Appl Physiol 1987 Mar;62(3):1124–32

Leukotriene inhibitors do not block hypoxic pulmonary vasoconstriction in dogs. Schuster DP, et al.
J Appl Physiol 1987 May;62(5):1808–13

Nonuniform effects of histamine on small pulmonary vessels in cats. Shirai M, et al. **J Appl Physiol** 1987 Feb;62(2):451–8

Endotoxin increases pulmonary vascular protein permeability in the dog. Welsh CH, et al. **J Appl Physiol** 1986 Oct; 61(4):1395–402

Calcium channel blockade with nifedipine reduces the systemic and the pulmonary vascular reactivity to adrenergic activation in hypertension. Guazzi MD, et al.
J Hypertens [Suppl] 1986 Dec;4(5):S465–8

Evidence for the role of endothelium-derived relaxing factor in acetylcholine-induced vasodilatation in the intact lung. Cherry PD, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):516–20

Differential influence of calcium channel-blockers on prostanoid generation and thromboxane-mediated vasoconstriction in rabbit lungs. Seeger W, et al.
J Pharmacol Exp Ther 1987 Aug;242(2):646–53

Comparison of the alpha adrenoceptor activity of dopamine, ibopamine and epinine in the pulmonary circulation of the dog. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1987 Apr; 241(1):6–12

Sequestration of platelets in the pulmonary circulation as a consequence of protamine reversal of the anticoagulant effects of heparin. Wakefield TW, et al. **J Vasc Surg** 1987 Jan;5(1):187–93

Graphic analysis of serotonin effects in dog heart–lung preparation. Hojo Y, et al. **Jpn Circ J** 1987 Mar; 51(3):293–302

Quantitative assessment of microvascular permeability in endotoxin-induced lung injury in anaesthetized dogs. Ishibashi M, et al. **Jpn J Physiol** 1986;36(5):959–69

Adaptation of fetal pulmonary blood flow to local infusion of tolazoline. Abman SH, et al. **Pediatr Res** 1986 Nov; 20(11):1131–5

The differential effects of leukotriene C4 and D4 on the pulmonary and systemic circulations in newborn lambs.

Schreiber MD, et al. **Pediatr Res** 1987 Feb;21(2):176–82
Interaction of dopamine, (+/-)-dobutamine and the (-)-enantiomer of dobutamine with alpha- and beta-adrenoceptors in the pulmonary circulation of the dog. Shebuski RJ, et al. **Pharmacology** 1987;34(4):201–12
Increase of intrapulmonary shunting induced by dopamine. Rapin M, et al. **Proc R Soc Med** 1977;2:71–5
PAF antagonists: different effects on platelets, neutrophils, guinea pig ileum and PAF-induced vasodilation in isolated rat lung. Voelkel NF, et al. **Prostaglandins** 1986 Sep; 32(3):359–72
The effect of indomethacin on plasma and lung lymph angiotensin converting enzyme activity in sheep. Newton SG, et al. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):179–88
Pressor responses to arachidonic acid in pump-perfused sheep lungs. Tod ML, et al.
Prostaglandins Leukotrienes Med 1986 Sep;24(1):57–68
Pulmonary vascular reactivity and hemorheology in patients with chronic cor pulmonale: responses to pentoxifylline at rest and during exercise. Sturani C, et al.
Ric Clin Lab 1986 Oct–Dec;16(4):569–78
Thrombin-induced endothelial injury. Malik AB.
Semin Thromb Hemost 1986 Jul;12(3):184–96 (71 ref.)
Intrathoracic platelet accumulation in the guinea-pig induced by intravenous administration of arachidonic acid—effect of cyclooxygenase and thromboxane synthetase inhibitors. Barrett PA, et al. **Thromb Haemost** 1986 Dec 15;56(3):311–7
[Effects of anisodamine and scopolamine on pulmonary circulation in rabbits] Fan YL, et al.
Chung Kuo Yao Li Hsueh Pao 1986 Mar;7(2):117–21 (Eng. Abstr.) **(Chi)**
[Pulmonary and systemic vascular effects of ATP in man] Gaba S, et al. **C R Soc Biol (Paris)** 1986;180(5):568–73 (Eng. Abstr.) **(Fre)**
[Acute and long-term effects of captopril in resistance-induced pulmonary hypertension in childhood and adolescence] Müller-Deile K, et al.
Monatsschr Kinderheilkd 1986 Dec;134(12):854–7 (Eng. Abstr.) **(Ger)**
[Effect of dibutyryl cyclic AMP on hypoxic pulmonary vasoconstriction] Nakanishi S, et al. **Kokyu To Junkan** 1986 Oct;34(10):1099–104 (Eng. Abstr.) **(Jpn)**
[The effects of prostaglandin F2 alpha infusion into the pulmonary artery of the nonventilated lung on the venous admixture and pulmonary blood flow during one-lung ventilation in patients and dogs] Saitoh Y, et al. **Masui** 1987 Mar;36(3):349–55 (Eng. Abstr.) **(Jpn)**
[Effect of intra-arterial administration of isosorbide dinitrate on various hemodynamic parameters of pulmonary circulation and the right heart in patients with secondary pulmonary hypertension] Dubiel JP, et al. **Kardiol Pol** 1986; 29(11–12):724–31 (Eng. Abstr.) **(Pol)**
[Treatment of disorders in the lesser circulation following closed mitral commissurotomy by the combined use of cordanum and sodium nitroprusside] Kleinerman VE, et al. **Vestn Khir** 1986 Oct;137(10):116–9 (Eng. Abstr.) **(Rus)**

PULMONARY COIN LESION see **COIN LESION, PULMONARY**

PULMONARY DIFFUSING CAPACITY

Does marijuana smoking reduce carbon monoxide diffusing capacity? [letter] de los Santos-Sastre S. **Am J Med** 1987 Jan;82(1):183–4
DLCO reference equations: a perspective [letter] Carson GJ, et al. **Am Rev Respir Dis** 1987 May;135(5):1221
DLCO reference equations: a perspective [editorial] Crapo RO, et al. **Am Rev Respir Dis** 1986 Nov;134(5):856
The single-breath carbon monoxide diffusing capacity. Reference equations derived from a healthy nonsmoking population and effects of hematocrit. Knudson RJ, et al. **Am Rev Respir Dis** 1987 Apr;135(4):805–11
Lung transfer for carbon monoxide during the first three years of life. Boulé M, et al.
Bull Eur Physiopathol Respir 1986 Sep–Oct;22(5):467–71
Effect of a simulated 3,048 meter altitude on the single-breath transfer factor. Gray G, et al.
Bull Eur Physiopathol Respir 1986 Sep–Oct;22(5):429–31
Measurement of single-breath carbon monoxide transfer factor (diffusing capacity) during progressive exercise. Kendrick AH, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):365–70
Diffusion capacity and oxygen desaturation effects on exercise in patients with cystic fibrosis. Lebecque P, et al. **Chest** 1987 May;91(5):693–7
Rest and exercise cardiac output and diffusing capacity assessed by a single slow exhalation of methane, acetylene, and carbon monoxide. Ramage JE Jr, et al. **Chest** 1987 Jul;92(1):44–50
Decreased single breath carbon monoxide diffusing capacity in cocaine freebase smokers. Weiss RD, et al.
Drug Alcohol Depend 1987 May;19(3):271–6
Correlation of membrane diffusion capacity & capillary blood volume with haemoglobin concentration & calorie intake. Singh S, et al. **Indian J Med Res** 1987 Jan;85:94–103
A modeling approach to the estimation of CO diffusing capacity. Prisk GK, et al. **J Appl Physiol** 1987 Jan; 62(1):373–80
Diffusion-related differences in elimination of inert gases from the lung. Robertson HT, et al. **J Appl Physiol** 1986 Sep;61(3):1162–72
Decrease in pulmonary diffusion capacity after maximal exercise. Rasmussen BS, et al. **J Sports Sci** 1986 Winter; 4(3):185–8
A method for estimating contact time of red blood cells through lung capillary from O2 and CO2 concentrations in rebreathing air in man. Mochizuki M, et al.
Jpn J Physiol 1987;37(2):283–301
Simultaneous measurement of cardiac output and pulmonary diffusing capacity for CO by a rebreathing method. Uchida K, et al. **Jpn J Physiol** 1986;36(4):657–70
Pulmonary diffusing capacity: problems in its definition and determination. Piiper J. **Keio J Med** 1987 Jan;36(1):112–5
Diffusing capacity for carbon monoxide as a predictor of gas exchange during exercise. Sue DY, et al.
N Engl J Med 1987 May 21;316(21):1301–6
Oxygen diffusing capacity estimates derived from measured VA/Q distributions in man. Hammond MD, et al.
Respir Physiol 1987 Aug;69(2):129–47
Interpretation of changes in DLCO and pulmonary function after running five miles. Miles DS, et al. **Respir Physiol** 1986 Nov;66(2):135–45
Intraregional gas mixing in humans during high frequency oscillations. Moffat SL, et al. **Respir Physiol** 1986 Oct; 66(1):95–107
Diffusion limitation and limitation by chemical reactions during alveolar-capillary transfer of oxygen-labeled CO2. Schuster KD. **Respir Physiol** 1987 Jan;67(1):13–22
Alveolar-capillary diffusion of oxygen in dogs exercising in hypoxia. Scotto P, et al. **Respir Physiol** 1987 Apr;68(1):1–10
Influence of lung volume on the mixing defect for an inert gas. Van Liew HD, et al. **Respir Physiol** 1986 Dec; 66(3):355–66
Pulmonary diffusing capacity for carbon monoxide by rebreathing in awake dogs. Ichinose Y, et al.
Respiration 1986;50(4):279–85
[Alveolar-capillary block associated with a prolonged treatment with chlorambucil (letter)] Andrejak M, et al. **Therapie** 1986 Jul–Aug;41(4):316–7 **(Fre)**
[Transfer factor (diffusion capacity) of the lung for carbon monoxide: reference values for the inhalation method in children aged 7–18 years] Hussein A, et al.
Prax Klin Pneumol 1987 May;41(5):170–6 (Eng. Abstr.) **(Ger)**
[Diffusing capacity in lung impairment resulting from chronic progressive polyarthritis] Tallósy I, et al. **Orv Hetil** 1986 Aug 10;127(32):1937–9 (Eng. Abstr.) **(Hun)**
[Limitations in the clinical use of the pulmonary diffusing capacity] Matsuoka T. **Kokyu To Junkan** 1986 Aug; 34(8):829–34 **(Jpn)**

PULMONARY DISEASE, CHRONIC OBSTRUCTIVE see **LUNG DISEASES, OBSTRUCTIVE**

PULMONARY DISEASES see **LUNG DISEASES**

PULMONARY EDEMA

BLOOD

Role in kinin in rat epinephrine pulmonary edema (REPE). Rothschild AM, et al. **Adv Exp Med Biol** 1986;198 Pt B:443–50

CHEMICALLY INDUCED

The use of magnesium sulfate for tocolysis in preterm labor complicated by twin gestation and betamimetic-induced pulmonary edema. Ogburn PL Jr, et al.
Acta Obstet Gynecol Scand 1986;65(7):793–4
Pulmonary edema induced by intravenous ethchlorvynol. Conces DJ Jr, et al. **Am J Emerg Med** 1986 Nov; 4(6):549–51
Hydrogen sulfide poisonings in hot-spring reservoir cleaning: two case reports. Deng JF, et al. **Am J Ind Med** 1987; 11(4):447–51
Diffuse pulmonary injury following paint remover exposure. Buie SE, et al. **Am J Med** 1986 Oct;81(4):702–4
Indomethacin and ketanserin block ethchlorvynol-induced hypoxemia in dogs. Millen JE, et al. **Am J Med Sci** 1986 Nov;292(5):293–8
Nonfatal pulmonary edema after "freebase" cocaine smoking. Cucco RA, et al. **Am Rev Respir Dis** 1987 Jul;136(1):179–81
Apparent effect of catalase on airway edema in guinea pigs. Role of endotoxin contamination. Gordon T, et al.
Am Rev Respir Dis 1987 Apr;135(4):854–9
Mechanisms of thrombin-induced lung vascular injury and edema. Malik AB, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):467–70
Pulmonary edema following low-dose naloxone administration [letter] Partridge BL, et al.
Anesthesiology 1986 Dec;65(6):709–10
Severe acute interstitial pulmonary edema from Moduretic (amiloride plus hydrochlorothiazide). Kounis NG, et al.
Ann Allergy 1986 Dec;57(6):417–8
Noncardiogenic pulmonary edema following hydrochlorothiazide ingestion. Klein MD.
Ann Emerg Med 1987 Aug;16(8):901–3
Nonsteroidal anti-inflammatory drugs as a prognostic factor in acute pulmonary edema [letter] Van den Ouweland FA, et al. **Arch Intern Med** 1987 Jan;147(1):176, 179
Tissue responses to hyperoxia. Biochemistry and pathology. Webster NR, et al. **Br J Anaesth** 1987 Jun;59(6):760–71
Pulmonary oedema, jaundice and renal impairment with naproxen [letter] Reeve PA, et al. **Br J Rheumatol** 1987 Feb;26(1):70–1
Nalbuphine-induced pulmonary edema. Stadnyk A, et al.
Chest 1986 Nov;90(5):773–4
Severe hypertension, propranolol, and acute pulmonary edema. Desai SP, et al. **Crit Care Med** 1987 Aug; 15(8):799–800
Protamine-induced pulmonary edema in rats. Koslow AR, et al. **Curr Surg** 1987 May–Jun;44(3):219–24
Drug-induced pulmonary disease. Cooper JA Jr, et al.
Dis Mon 1987 Feb;33(2):61–120 (180 ref.)
Noncardiogenic pulmonary edema: a complication of operative hysteroscopy. Leake JF, et al. **Fertil Steril** 1987 Sep;48(3):497–9
Microangiopathic hemolytic anemia, noncardiac pulmonary edema, and renal failure after treatment of metastatic adenocarcinoma of the colon with 5-fluorouracil and mitomycin-C: report of a case. Claycomb CL, et al.
J Am Osteopath Assoc 1986 Aug;86(8):499–503
Protamine sulfate causes pulmonary hypertension and edema in isolated rat lungs. Fairman RP, et al. **J Appl Physiol** 1987 Apr;62(4):1363–7
Pulmonary edema as a delayed complication of ritodrine therapy. A case report. Bloss JD, et al. **J Reprod Med** 1987 Jun;32(6):469–71
Low filling pressure cardiogenic pulmonary edema. A complication of venodilatory therapy. Manolis A, et al.
NY State J Med 1986 Aug;86(8):411–3
Fatal outcome following inhalation of Tipp-Ex. Macdougall IC, et al. **Scott Med J** 1987 Apr;32(2):55
Acute respiratory failure induced by bleomycin and hyperoxia: pulmonary edema, cell kinetics, and morphology. Goad ME, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):10–22
Phosgene induced edema: diagnosis and therapeutic countermeasures. An international symposium. September 23–24, 1982. **Toxicol Ind Health** 1985 Oct;1(2):1–160
Early diagnosis of phosgene overexposure. Diller WF.
Toxicol Ind Health 1985 Oct;1(2):73–80
Pathogenesis of phosgene poisoning. Diller WF.
Toxicol Ind Health 1985 Oct;1(2):7–15
A literature review: therapy for phosgene poisoning. Diller WF, et al. **Toxicol Ind Health** 1985 Oct;1(2):117–28
Therapeutic strategy in phosgene poisoning. Diller WF.
Toxicol Ind Health 1985 Oct;1(2):93–9
Prophylactic and antidotal effects of hexamethylenetetramine against phosgene poisoning in rabbits. Frosolono MF.
Toxicol Ind Health 1985 Oct;1(2):101–16
Acute responses to phosgene inhalation and selected corrective measures (including surfactant). Mautone AJ, et al. **Toxicol Ind Health** 1985 Oct;1(2):37–57
Review of clinical experience in handling phosgene exposure cases. Regan RA. **Toxicol Ind Health** 1985 Oct;1(2):69–72
Phosgene: a practitioner's viewpoint. Wells BA.
Toxicol Ind Health 1985 Oct;1(2):81–92
[Nitrofurantoin-induced lung edema] Nyvad O, et al.
Ugeskr Laeger 1987 Mar 23;149(13):851–2 **(Dan)**
[Pulmonary complications after gastrografin inhalation during radiographic control of esophageal anastomosis] Bellasfar G, et al. **Ann Fr Anesth Reanim** 1986;5(5):533–5 (Eng. Abstr.) **(Fre)**
[Heroin-induced lung edema] Langloh P, et al.
Prax Klin Pneumol 1986 Nov;40(11):438–41 (Eng. Abstr.) **(Ger)**
[Pulmonary edema and obliterative bronchiolitis as symptoms of silage gas poisoning] Voog L, et al. **Lakartidningen** 1986 Nov 5;83(45):3816–7 **(Swe)**

COMPLICATIONS

Association between transient pulmonary congestion during acute myocardial infarction and high incidence of death in six months. Dwyer EM Jr, et al. **Am J Cardiol** 1986 Nov 1;58(10):900–5
Hospital and long-term survival of patients with acute pulmonary edema associated with coronary artery disease. Wiener RS, et al. **Am J Cardiol** 1987 Jul 1;60(1):33–5
Risk of pulmonary edema in mentally retarded persons. Chaney RH. **Am J Ment Defic** 1987 May;91(6):555–8
Pulmonary edema associated with anaphylactoid reaction [letter] Fukuda T, et al. **Crit Care Med** 1987 Sep;15(9):892–3
[Laryngospasm and pulmonary edema (letter)] Tachoires D. **Ann Fr Anesth Reanim** 1987;6(4):367 **(Fre)**

DIAGNOSIS

A prospective study of lung water measurements during patient management in an intensive care unit. Eisenberg PR, et al. **Am Rev Respir Dis** 1987 Sep;136(3):662–8
The pulse oximeter—an early warning device? [letter] Mason RA. **Anaesthesia** 1987 Jul;42(7):784–5
High-altitude pulmonary edema: pathophysiology and clinical review. Schoene RB. **Ann Emerg Med** 1987 Sep; 16(9):987–92 (34 ref.)
The clinical assessment of lung water. Cutillo AG. **Chest** 1987 Aug;92(2):319–25 (59 ref.)
Multiple spin echo imaging and quantitative relaxation measurements of pulmonary edema. Phillips DM, et al.
Magn Reson Imaging 1987;5(2):137–47
Methods for detecting pulmonary edema. Hedlund LW, et al. **Toxicol Ind Health** 1985 Oct;1(2):59–68

[Metabolic acidosis as a prognostic indicator in acute cardiogenic pulmonary edema] Lagi A, et al. **Recenti Prog Med** 1987 Jan;78(1):5–8 (Eng. Abstr.) **(Ita)**

[Evaluation of extravascular lung fluid] Khorokhordin NE, et al. **Fiziol Zh SSSR** 1986 Aug;72(8):1119–24 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The effect of nitroprusside on pulmonary edema, oxygen exchange, and blood flow in hydrochloric acid aspiration. Gottlieb SS, et al. **Anesthesiology** 1987 Aug;67(2):203–10

A comparison between 25% albumin and 6% hydroxyethyl starch solutions on lung water accumulation during and immediately after cardiopulmonary bypass. Lumb PD. **Ann Surg** 1987 Aug;206(2):210–3

Effect of bumetanide in capillary permeability pulmonary oedema. Ali J, et al. **Can J Anaesth** 1987 Jan;34(1):9–13

Colloid osmotic pressure in pulmonary edema clearance with furosemide. Ali J, et al. **Chest** 1987 Sep;92(3):540–6

Application of a combination of sublingually administered vasodilating drugs for rapid action on pulmonary hypertension in patients with cardiac asthma and with pulmonary oedema. Daskalov TR. **Cor Vasa** 1987; 29(3):222–31

Effect of furosemide on fully established low pressure pulmonary edema. Rusch VW, et al. **J Surg Res** 1986 Aug; 41(2):141–5

A case of high-altitude pulmonary edema treated with nifedipine [letter] Oelz O. **JAMA** 1987 Feb 13;257(6):780

The effects of indomethacin on edema and gas exchange in canine acid aspiration. Mayers I, et al. **Respir Physiol** 1987 Aug;69(2):149–60

[Effect of high-dose prednisolone on lung fluid in patients with non-cardiogenic lung edema] Laggner AN, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):245–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pulmonary edema following acute upper airway obstruction. Randour P, et al. **Acta Anaesthesiol Belg** 1986;37(3):225–31

Acute pulmonary edema following ligation of an arteriovenous fistula. Bowie J, et al. **Ala J Med Sci** 1986 Oct;23(4):437–8

Neurogenic pulmonary edema. Klein MD. **Am Fam Physician** 1987 Sep;36(3):141–5

Pulmonary edema complicating relief of upper airway obstruction. Galvis AG. **Am J Emerg Med** 1987 Jul; 5(4):294–7

Unilateral pulmonary edema complicating chest compression and cardiac avulsion. Dempster AG. **Am J Forensic Med Pathol** 1986 Dec;7(4):350–3

Upper airway obstruction as a cause of pulmonary edema during late pregnancy. Lagler U, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):643–4

Pulmonary edema in severe preeclampsia–eclampsia: analysis of thirty-seven consecutive cases. Sibai BM, et al. **Am J Obstet Gynecol** 1987 May;156(5):1174–9

Reperfusion of ischemic dog lung results in fever, leukopenia, and lung edema. Bisbop MJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):752–6

One hundred percent oxygen lung injury in adult baboons. de los Santos R, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):657–61

Reperfusion pulmonary edema after pulmonary artery thromboendarterectomy. Levinson RM, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1241–5

Delirium and pulmonary edema after completing a marathon. Young M, et al. **Am Rev Respir Dis** 1987 Sep;136(3):737–9

Unilateral pulmonary oedema/atelectasis in the lateral decubitus position. Baraka A, et al. **Anaesthesia** 1987 Feb; 42(2):171–4

Phaeochromocytoma as a cause of pulmonary oedema. Blom HJ, et al. **Anaesthesia** 1987 Jun;42(6):646–50

Neurogenic pulmonary edema: a sequella of non-hemorrhagic cerebrovascular accidents. Cohen JA, et al. **Angiology** 1976 May;27(5):280–92

The mechanisms and management of noncardiogenic pulmonary edema following cardiopulmonary bypass. Maggart M, et al. **Ann Thorac Surg** 1987 Feb;43(2):231–6

Plasmodium berghei–infected mice: lack of effect of meclizine and cimetidine on the development of pulmonary oedema. Martins MA, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):491–9

Pulmonary edema associated with subarachnoid hemorrhage. Evidence for a cardiogenic origin. Schell AR, et al. **Arch Intern Med** 1987 Mar;147(3):591–2

Pulmonary oedema following airway obstruction in a patient with Hodgkin's disease. Price SL, et al. **Br J Anaesth** 1987 Apr;59(4):518–21

Acute pulmonary edema provoked by psychologic stress. Report of two cases. Tavazzi L, et al. **Cardiology** 1987; 74(3):229–35

Pulmonary edema induced by sepsis. Altschule MD. **Chest** 1986 Dec;90(6):895–6

Acute pulmonary edema caused by venous air embolism after removal of a subclavian catheter. Kuhn M, et al. **Chest** 1987 Aug;92(2):364–5

Post-extubation pulmonary edema following anesthesia induced by upper airway obstruction. Are certain patients at increased risk? Lorch DG, et al. **Chest** 1986 Dec; 90(6):802–5

Pulmonary edema in a young, healthy woman [letter] Moon RE, et al. **Chest** 1987 Aug;92(2):385–6

Roles of some inflammatory mediators in the pathogenesis of early pulmonary edema in steam respiratory burns. Li A, et al. **Chin Med J [Engl]** 1987 Feb;100(2):132–41

Acute pulmonary edema as the inaugural symptom of Becker's muscular dystrophy in a 19-year-old patient. Borgeat A, et al. **Clin Cardiol** 1987 Feb;10(2):127–9

Alveolar flooding: a computer simulation. Heijmans F, et al. **Comput Methods Programs Biomed** 1986 Oct; 23(2):93–101

Acute pulmonary edema after removal of an esophageal foreign body in an infant. Rao CC, et al. **Crit Care Med** 1986 Nov;14(11):988–9

Acute pulmonary oedema (toxic alveolitis) associated with traditional fever therapy. Jarikre LN, et al. **East Afr Med J** 1986 Oct;63(10):656–9

Epileptic seizures as a cause of unilateral pulmonary edema. Koppel BS, et al. **Epilepsia** 1987 Jan–Feb;28(1):41–4

Respiratory distress in man with prosthetic valve. Patel A, et al. **Hosp Pract [Off]** 1987 May 15;22(5):256–9

Thoracic duct lymph and PEEP studies in anaesthetized dogs. II. Effect of a thoracic duct fistula on the development of a hyponcotic–hydrostatic pulmonary oedema. Haider M, et al. **Intensive Care Med** 1987; 13(4):278–83

Effect of regional alveolar hypoxia on permeability pulmonary edema formation in dogs. Cheney FW, et al. **J Appl Physiol** 1987 Apr;62(4):1690–7

Hypoxic pulmonary vasoconstriction does not affect hydrostatic pulmonary edema formation. Cheney FW, et al. **J Appl Physiol** 1987 Feb;62(2):776–80

Vascular pressure effects on lung edema formation after glass bead embolism. Ehrhart IC, et al. **J Appl Physiol** 1987 May; 62(5):1989–96

Seizure-associated pulmonary edema and cerebral oxygenation in the rat. Kreisman NR, et al. **J Appl Physiol** 1987 Feb;62(2):658–67

Effect of systemic venous pressure elevation on lymph flow and lung edema formation. Laine GA, et al. **J Appl Physiol** 1986 Nov;61(5):1634–8

Neutrophil depletion does not prevent lung edema after endotoxin infusion in goats. Winn R, et al. **J Appl Physiol** 1987 Jan;62(1):116–21

Pulmonary oedema following scorpion sting [letter] Murthy KR, et al. **J Assoc Physicians India** 1986 May;34(5):387

Absence of lung edema in nephrotic rats. Rackow EC, et al. **J Lab Clin Med** 1986 Oct;108(4):349–53

Progressive dyspnea and pulmonary edema in an obese somnolent man. Chaudhary BA, et al. **J Med Assoc Ga** 1987 Feb;76(2):133–5

Ruptured chordae tendineae and acute pulmonary edema induced by exercise. Occurrence in a young man with mitral valve prolapse. Zimmerman FH, et al. **JAMA** 1987 Aug 14;258(6):812–3

Unilateral pulmonary edema as a complication of contralateral bronchial obstruction. Shikhani AH, et al. **Laryngoscope** 1987 Jun;97(6):748–51

Stress and the lung: hypersensitivity of airways, neurogenic pulmonary edema, and hyperventilation syndrome. Crocco JA. **Mt Sinai J Med (NY)** 1987 Jan;54(1):63–5

Colloid oncotic pressure in severe dengue shock syndrome. Hassan R, et al. **Paediatr Indones** 1986 Nov–Dec; 26(11–12):213–9

Pulmonary edema due to acute upper airway obstruction from aspirated foreign body. Izsak E. **Pediatr Emerg Care** 1986 Dec;2(4):235–7

Fatality following fiberoptic bronchoscopy in a two-year-old child. Wagener JS. **Pediatr Pulmonol** 1987 May–Jun;3(3):197–9

Noncardiogenic pulmonary edema and pulmonary fibrosis in falciparum malaria. Feldman RM, et al. **Rev Infect Dis** 1987 Jan–Feb;9(1):134–9

Fatal re-expansion pulmonary oedema. Narendran K. **Singapore Med J** 1986 Aug;27(4):350–2

Pulmonary edema as a complication of pericardial drainage. Naunheim KS, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):165–6

Transfusion-associated noncardiogenic pulmonary edema [letter] Herman JH, et al. **Transfusion** 1987 May–Jun; 27(3):293

Disappearance of pulmonary capillary leak syndrome when intravenous cyclosporine is replaced by oral cyclosporine. Blaauw AA, et al. **Transplantation** 1987 May;43(5):758–9

[Re-expansion pulmonary edema] Zhang YS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):251–2 (11 ref.) **(Chi)**

[Bat's wing pulmonary edema in a young uremic patient] Oberg B. **Ugeskr Laeger** 1986 Oct 20;148(43):2768 (Eng. Abstr.) **(Dan)**

[Pulmonary edema after laryngospasm] Arnaud D, et al. **Ann Fr Anesth Reanim** 1987;6(1):42–4 (Eng. Abstr.) **(Fre)**

[Asphyxic pulmonary edema caused by upper airway obstruction in adults] Bauer P, et al. **Ann Fr Anesth Reanim** 1987;6(3):209–10 (Eng. Abstr.) **(Fre)**

[Non-cardiogenic pulmonary edema associated with severe diabetic ketoacidosis] Fouet P, et al. **Ann Fr Anesth Reanim** 1987;6(2):127–8 (Eng. Abstr.) **(Fre)**

[Diagnosis of amniotic embolism by bronchoalveolar lavage] Blanc PL, et al. **Presse Med** 1987 Mar 21;16(10):479–80 (Eng. Abstr.) **(Fre)**

[New concepts of the nature of the development and course of pulmonary edema in myocardial infarct] Tjurin EI, et al. **Radiol Diagn (Berl)** 1986;27(6):719–25 (Eng. Abstr.) **(Ger)**

[Pulmonary edema and neurologic symptoms due to scorpion sting] Shimoni Z, et al. **Harefuah** 1986 Sep;111(5–6):123–4 (Eng. Abstr.) **(Heb)**

[Pulmonary edema as a result of pericardial drainage in cardiac tamponade] Barniek VR, et al. **Cardiologia** 1987 Feb;32(2):211–3 (Eng. Abstr.) **(Ita)**

[Acute pulmonary edema in a 14-year-old boy during an epileptic seizure] Ariani G, et al. **Minerva Anestesiol** 1986 Dec;52(12):463–7 (Eng. Abstr.) **(Ita)**

[Unilateral pulmonary edema due to rapid re-expansion in pneumothorax] Parisi A, et al. **Minerva Med** 1986 Dec 22; 77(49–50):2327–9 (Eng. Abstr.) **(Ita)**

[Postcardiopulmonary resuscitation pulmonary edema] Dohi S, et al. **Kokyu To Junkan** 1986 Oct;34(10):1061–6 **(Jpn)**

[Re-expansion pulmonary edema following drainage of pneumothorax] Sone Y, et al. **Kyobu Geka** 1986 Sep; 39(9):709–11 (Eng. Abstr.) **(Jpn)**

[Cause of pulmonary edema associated with acute myocardial ischemia] Kanbayashi T, et al. **Masui** 1986 Jul; 35(7):1042–50 (Eng. Abstr.) **(Jpn)**

[Effects of acrylic bone cement following total hip replacement] Noguchi T, et al. **Masui** 1986 Nov; 35(11):1727–31 (Eng. Abstr.) **(Jpn)**

[Extravascular water in burned lungs of experimental animals after treatment with dobutamine] Jastrzebski J, et al. **Pol Tyg Lek** 1986 Dec 8;41(49):1546–8 (Eng. Abstr.) **(Pol)**

[Pulmonary edema as a complication of cardiac catheterization] Dubiel JP, et al. **Przegl Lek** 1986; 43(5):389–93 (Eng. Abstr.) **(Pol)**

[Acute edema of the lung, non-cardiogenic, after re-expansion (letter)] Jatene FB, et al. **Rev Paul Med** 1986 Nov–Dec;104(6):327–8 **(Por)**

[Acute non-cardiogenic pulmonary edema in surgical patients] Margulis MS, et al. **Khirurgiia (Mosk)** 1986 Dec; (12):105–8 **(Rus)**

[Ultrastructural manifestations of intravascular coagulation and the role of the kallikrein-kinin system in the pathogenesis of cardiogenic pulmonary edema] Katel'nitskaia LI, et al. **Klin Med (Mosk)** 1986 Jul; 64(7):46–51 **(Rus)**

[Pulmonary edema in myocardial infarction] Shustval' NF. **Klin Med (Mosk)** 1986 Jul;64(7):51–7 (Eng. Abstr.) **(Rus)**

[Changes in bronchial blood flow and their role in fluid accumulation in experimental toxic pulmonary edema and ganglionic block] Beliakov NA, et al. **Patol Fiziol Eksp Ter** 1986 Jul–Aug;(4):48–53 (Eng. Abstr.) **(Rus)**

[A case of acute toxic-allergic drug-induced myocarditis with the development of pulmonary edema] Popko VI. **Vrach Delo** 1987 Jan;(1):59–60 **(Rus)**

[Acute edema of the lung as onset of the hemolytic-uremic syndrome] Jorba JM, et al. **An Esp Pediatr** 1986 Nov; 25(5):394–6 **(Spa)**

[Pulmonary edema and obstruction of the upper airway (letter)] Masa Jiménez JF, et al. **Med Clin (Barc)** 1987 Jan 10;88(1):40 **(Spa)**

[Pulmonary infarction complicating the use of a Swan-Ganz catheter in a patient undergoing thrombolytic therapy (letter)] Martínez Sande JL, et al. **Rev Clin Esp** 1987 Apr; 180(6):347–8 **(Spa)**

[Pulmonary edema of non-cardiogenic origin (letter)] Campos JM, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):156–7 **(Spa)**

METABOLISM

Reabsorption of solutes and water from fluid-filled rabbit lungs. Effros RM, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):669–76

Fluid reabsorption and glucose consumption in edematous rat lungs. Effros RM, et al. **Circ Res** 1987 May;60(5):708–19

Effect of high-frequency ventilation on extravascular lung water volume in dogs. Kudoh I, et al. **Crit Care Med** 1987 Mar;15(3):240–2

Inhibition of angiotensin-converting enzyme by perindopril diacid in canine oleic acid pulmonary edema. Leeman M, et al. **Crit Care Med** 1987 Jun;15(6):567–73

Lipid peroxidation is not a major factor involved in the edema formation in perfused lungs. Risberg B, et al. **Eur Surg Res** 1987;19(3):164–70

Analysis of airway fluid protein concentration in neurogenic pulmonary edema. Maron MB. **J Appl Physiol** 1987 Feb; 62(2):470–6

Sequential changes in lung metabolism, permeability, and edema after ANTU. Minty BD, et al. **J Appl Physiol** 1987 Feb;62(2):491–6

Extravascular lung water changes following smoke inhalation and massive burn injury. Herndon DN, et al. **Surgery** 1987 Aug;102(2):341–9

Thermal dye double indicator dilution measurement of lung water in man: comparison with gravimetric measurements. Mihm FG, et al. **Thorax** 1987 Jan;42(1):72–6

PATHOLOGY

Pulmonary permeability edema in a large animal model of nonpulmonary sepsis. A morphologic study. Craig I, et al. **Am J Pathol** 1987 Aug;128(2):241–51

Morphometry of the distribution of hydrostatic pulmonary oedema in dogs. Michel RP, et al. **Br J Exp Pathol** 1986 Dec;67(6):865–77

Does interstitial lung edema compress airways and arteries? A morphometric study. Michel RP, et al. **J Appl Physiol** 1987 Jan;62(1):108–15

Endothelial injury and pulmonary congestion characterize neurogenic pulmonary edema in rabbits. Minnear FL, et al. **J Appl Physiol** 1987 Jul;63(1):335–41

Alveolar septal changes in pulmonary edema: a subcellular study of lung clearance in the dog. Rodrigues-Grande N, et al. **J Submicrosc Cytol** 1987 Jan;19(1):43–52

PHYSIOPATHOLOGY

Resolution of increased permeability pulmonary edema in rats. Havill AM, et al. **Am J Pathol** 1987 Jun;127(3):441–6

Pulmonary vascular pressure–flow relationship in canine oleic acid pulmonary edema. Boiteau P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1163–70

Pulmonary edema in dogs fails to cause reflex responses. Wead WB, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H89–99

Pathophysiology of pulmonary edema following experimental brain death in the chacma baboon. Novitzky D, et al. **Ann Thorac Surg** 1987 Mar;43(3):288–94

Effect of acute hypoxia on lung fluid balance in the prerecruited dog lung. Martin DJ, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):335–40

The hemodynamics of pulmonary edema. Staub NC. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):319–22 **(Eng, Fre)**

Decreasing hydrostatic pressure does not uniformly decrease high-pressure pulmonary edema. Ali J, et al. **Chest** 1987 Apr;91(4):588–95

Effect of edema on segmental vascular resistance in isolated lamb lungs determined by micropuncture. Raj JU, et al. **Circ Res** 1987 Aug;61(2):236–43

Lung water and vascular permeability–surface area in premature newborn lambs with hyaline membrane disease. Sundell HW, et al. **Circ Res** 1987 Jun;60(6):923–32

Effects of furosemide and slow-release furosemide on thoracic fluid volumes. Brodin LA, et al. **Clin Cardiol** 1986 Nov;9(11):561–4

Does indomethacin affect shunt and its response to PEEP in oleic acid pulmonary edema? Ali J, et al. **J Appl Physiol** 1987 Jun;62(6):2187–92

Lymph flow from edematous dog lungs. Drake RE, et al. **J Appl Physiol** 1987 Jun;62(6):2416–20

Rebreathing lung tissue volume of sheep with normal and edematous lungs. Huchon GJ, et al. **J Appl Physiol** 1986 Sep;61(3):1132–8

Role of lipids in bone marrow–induced pulmonary edema. Selig WM, et al. **J Appl Physiol** 1987 Mar;62(3):1068–75

Time lag between pulmonary congestion and pulmonary edema in dogs. Nakata H, et al. **Jpn Circ J** 1986 May; 50(5):433–41

Clinical aspects of fluid transport and vascular permeability in the lung. Geiger K. **Klin Wochenschr** 1986;64 Suppl 7:18–23

Study of cough in anaesthetized cats with experimental pulmonary oedema. Poláček H, et al. **Physiol Bohemoslov** 1986;35(6):481–9

Delayed resolution of high-pressure pulmonary edema or capillary leak. Mayers I, et al. **Surgery** 1987 Apr; 101(4):450–8

Pulmonary edema: current concepts of pathophysiology, clinical significance, and methods of measurement. Demling RH. **World J Surg** 1987 Apr;11(2):147–53 (49 ref.)

[Changes in pulmonary and cerebral blood flow and the relation between the changes and pulmonary edema in the early phase of respiratory distress syndrome induced by oleic acid in rabbits] Wang R. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):290–2, 319 (Eng. Abstr.) **(Chi)**

[Experimental observation of the effect of e-jiao on vascular permeability in rabbits] Cheng XC. **Chung Yao Tung Pao** 1986 Dec;11(12):47–51 **(Chi)**

[Effect of different doses of dopamine or dobutamine on hemodynamics and plasma norepinephrine concentrations in dogs with pulmonary edema] Fukui H, et al. **Masui** 1986 Jun;35(6):905–16 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

The non-steroidal anti-inflammatory agent, indoprofen, does not protect against hydrochloric acid induced lung injury in the rat. Royston D, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):533–7

Ibuprofen prevents synthetic smoke-induced pulmonary edema. Shinozawa Y, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1145–8

Thromboxane A2 inhibitors and iloprost prevent angiotensin II–induced oedema in the isolated perfused rat lung. Türker RK, et al. **Arch Int Pharmacodyn Ther** 1987 Jun; 287(2):323–9

Effect of corticosteroids on the toxic pulmonary oedema induced by nitrogen dioxide inhalation in the rat. Engelhardt G. **Arzneimittelforschung** 1987 May; 37(5):519–23

Prevention of acute pulmonary edema after bone marrow transplantation. Dickout WJ, et al. **Chest** 1987 Aug; 92(2):303–9

Inhibition of induced acute lung edema by a novel protein kinase C inhibitor. Struhar D, et al. **FASEB J** 1987 Aug; 1(2):116–8

Evaluation of the kinin–induced pathomechanisms in the development of ARDS by kallikrein inhibition in vivo. Thetter O, et al. **Prog Clin Biol Res** 1987;236A:127–31

Influence of the lysosomal elastase inhibitor eglin on the development of interstitial lung edema in E. coli bacteremia in pigs. Welter HF, et al. **Prog Clin Biol Res** 1987; 236A:121–5

RADIOGRAPHY

Unilateral pulmonary edema due to postlobectomy pulmonary vein thrombosis. Gyves-Ray KM, et al. **AJR** 1987 Jun;148(6):1079–80

Increased vascular pedicle width preceding burn–related pulmonary edema. Haponik EF, et al. **Chest** 1986 Nov; 90(5):649–55

Spontaneous unilateral pulmonary edema. Bowser B Jr, et al. **J Natl Med Assoc** 1986 Sep;78(9):882–3, 886

[The X-ray features of acute pulmonary edema (a correlative study of clinical cases and experiment animals)] Li TY. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb;21(1):48–52 (Eng. Abstr.) **(Chi)**

RADIONUCLIDE IMAGING

Methodologic considerations in mucociliary clearance and lung epithelial absorption measurements. Dolovich MB, et al. **Eur J Nucl Med** 1987;13 Suppl:S45–52

Extravascular lung water. Giuntini C, et al. **Eur J Nucl Med** 1987;13 Suppl:S63–9

Evaluation of lung epithelial permeability. Newhouse MI, et al. **Eur J Nucl Med** 1987;13 Suppl:S58–62

Pulmonary circulation, extravascular water, and solute flux as determined by positron emission tomography. Schuster DP, et al. **Lymphology** 1987 Mar;20(1):25–35 (47 ref.)

THERAPY

Conventional and high frequency controlled mechanical ventilation in patients with left ventricular dysfunction and pulmonary edema. Räsänen J. **Chest** 1987 Feb;91(2):225–9

Continuous positive airway pressure and supplemental oxygen in the treatment of cardiogenic pulmonary edema. Väisänen IT, et al. **Chest** 1987 Sep;92(3):481–5

Coronary revascularisation by percutaneous transluminal coronary angioplasty for recurrent ischaemic pulmonary oedema [letter] Mosseri M, et al. **Lancet** 1986 Oct 25; 2(8513):976

[Hemofiltration for the reduction of lung fluid in ARDS?] Laggner AN, et al. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):445–9 (Eng. Abstr.) **(Ger)**

[Synergistic effects of methylprednisolone and high-frequency jet ventilation on oleic acid–induced pulmonary edema] Kondo T, et al. **Kokyu To Junkan** 1986 Aug;34(8):883–9 (Eng. Abstr.) **(Jpn)**

PULMONARY EMBOLISM

Acute and chronic pulmonary thromboembolism: current perspectives. Part II: Etiology, pathology, pathogenesis, and pathophysiology. Ansari A. **Clin Cardiol** 1986 Sep; 9(9):449–56

Acute and chronic pulmonary thromboembolism: current perspectives. Part VII: Current trends and newer developments. Ansari A. **Clin Cardiol** 1987 Feb;10(2):124–6

Acute and chronic pulmonary thromboembolism: current perspectives. Part VI: Course and prognosis and natural history. Ansari A. **Clin Cardiol** 1987 Jan;10(1):40–3

[Diagnosis and treatment of venous thromboembolism in Swedish departments of internal medicine] Johansson J, et al. **Lakartidningen** 1987 Jan 7;84(1–2):22–5 **(Swe)**

BLOOD

Autoanticoagulation does not preclude pulmonary emboli. Phillips B, et al. **Lung** 1987;165(1):37–43

Indices of fibrinogen proteolysis and platelet activation during the resolution of pulmonary embolism. Yudelman I. **Thromb Haemost** 1987 Feb 3;57(1):11–6

[Lupus anticoagulant in pregnancy] Kentenich H, et al. **Geburtshilfe Frauenheilkd** 1986 Jul;46(7):467–9 (Eng. Abstr.) **(Ger)**

[Sensitivity and specificity of hemostatic indices in the diagnosis of thromboembolism of the pulmonary artery in patients with cardiovascular diseases] Belousov IuB, et al. **Kardiologiia** 1986 Sep;26(9):63–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Ibuprofen prevents thrombin-induced lung vascular injury: mechanism of effect. Perlman MB, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H605–14

Pulmonary embolism during clomiphene therapy for infertility in a male: a case report. Chamberlain RA, et al. **Int J Fertil** 1986 Jul–Aug;31(3):198–9

Pulmonary emboli as a complication of germ cell cancer treatment. Lederman GS, et al. **J Urol** 1987 Jun; 137(6):1236–7

Pulmonary embolism after short-term treatment of acne vulgaris with ovulation suppressor agents. Poran J, et al. **Med J Aust** 1986 Oct 6;145(7):345

Venous thromboembolism in relation to oral contraceptive use. Helmrich SP, et al. **Obstet Gynecol** 1987 Jan;69(1):91–5

[MMA toxicity versus implantation embolisms: clinical studies] Rinecker H, et al. **Aktuel Probl Chir Orthop** 1987; 31:206–9 **(Ger)**

[Embolisms from the bone marrow canal following implantation of intramedullary femur head endoprostheses with polymethylmethacrylate] Zichner L. **Aktuel Probl Chir Orthop** 1987;31:201–5 **(Ger)**

COMPLICATIONS

Syndrome of paradoxical embolism [letter] Zatuchni J. **Am Heart J** 1987 Jun;113(6):1536

Right-sided cardiac thrombi and pulmonary embolism. Chakko S, et al. **Am J Cardiol** 1987 Jan 1;59(1):195–6

Reperfusion pulmonary edema after pulmonary artery thromboendarterectomy. Levinson RM, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1241–5

Occult malignant neoplasm in patients with deep venous thrombosis. Goldberg RJ, et al. **Arch Intern Med** 1987 Feb; 147(2):251–3

Tumor cell embolism to pulmonary alveolar capillaries. Cause of sudden cor pulmonale. Abbondanzo SL, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1197–8

Pulmonary infarction in a term neonate. Quiñones Santos J, et al. **Bol Asoc Med PR** 1986 Sep;78(9):399–401

Pathophysiology and therapy of right ventricular dysfunction due to pulmonary embolism. Ducas J, et al. **Cardiovasc Clin** 1987;17(2):191–202 (46 ref.)

Dressler-like syndrome after pulmonary embolism and infarction. Jerjes-Sanchez C, et al. **Chest** 1987 Jul; 92(1):115–7

Echocardiographic detection of right-sided cardiac thrombi in pulmonary embolism. Mancuso L, et al. **Chest** 1987 Jul; 92(1):23–6

Abdominal aortic aneurysm. Treatment decisions in a complex case. Talley JD, et al. **Hosp Pract [Off]** 1987 Jun 15;22(6):105–9, 112, 117–8 passim

Vascular pressure effects on lung edema formation after glass bead embolism. Ehrhart IC, et al. **J Appl Physiol** 1987 May; 62(5):1989–96

The influence of acute preoperative pulmonary infarction on the results of heart transplantation. Young JN, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):20–2

Successful pregnancy after pharmacologic suppression of a circulating anticoagulant in a woman with previous pregnancy losses and pulmonary emboli. A case report. Isada N, et al. **J Reprod Med** 1987 Mar;32(3):221–4

Massive pulmonary embolism with right atrial thrombus [letter] Jamal NM, et al. **NY State J Med** 1987 Jul; 87(7):413–4

Postinfarction peripheral cysts of the lung. Stocker JT. **Pediatr Pathol** 1987;7(1):111–7

Nonparadoxical systemic artery embolus. Remenchik AP, et al. **Tex Med** 1987 Mar;83(3):53–4

[Syndrome of alveolar hemorrhage associated with systemic cholesterol embolism] Hillion D, et al. **Ann Med Interne (Paris)** 1986;137(8):660–2 (Eng. Abstr.) **(Fre)**

[Microscopic pulmonary intra-arterial tumor emboli. An unrecognized cause of hemosiderosis and pulmonary arterial hypertension] Fouret P, et al. **Arch Anat Cytol Pathol** 1986;34(3):172–4 (Eng. Abstr.) **(Fre)**

[Acute respiratory failure due to massive microembolization of the pulmonary arteries by breast tumor] Fogelfeld L, et al. **Harefuah** 1986 Dec 1;111(11):369–71 (Eng. Abstr.) **(Heb)**

CONGENITAL

[Thrombosis of the pulmonary artery associated with maternal deficiency of antithrombin III] Martín Montaner MI, et al. **An Esp Pediatr** 1987 Feb;26(2):115–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

MR imaging of pulmonary emboli: an experimental study in dogs. Stein MG, et al. **AJR** 1986 Dec;147(6):1133–7

MR imaging of pulmonary arterial hypertension and pulmonary emboli. White RD, et al. **AJR** 1987 Jul; 149(1):15–21

Review of echocardiographically diagnosed right heart entrapment of pulmonary emboli–in-transit with emphasis on management. Farfel Z, et al. **Am Heart J** 1987 Jan; 113(1):171–8 (51 ref.)

Echocardiographic findings in patients with proved pulmonary embolism. Kasper W, et al. **Am Heart J** 1986 Dec;112(6):1284–90

Pulmonary embolism—diagnosis by lung perfusion scintigraphy or digital subtraction angiography? Tylen U, et al. **Ann Radiol (Paris)** 1987;30(2):97–101

Echocardiogram of pulmonary embolism in evolution. Baltazar RF, et al. **Arch Intern Med** 1987 Jul;147(7):1349–51

Noninvasive venous examinations as a screening test for pulmonary embolism. Schiff MJ, et al. **Arch Intern Med** 1987 Mar;147(3):505–7

An unusual presentation of pulmonary thromboembolism in late pregnancy. Case report. Hussein IY, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1161–2

Diagnosing pulmonary thromboembolism [letter] **Br Med J [Clin Res]** 1987 Jul 4;295(6589):49–50

Diagnosing pulmonary thromboembolism [editorial] Windebank WJ. **Br Med J [Clin Res]** 1987 May 30; 294(6584):1369–70

Multiple pulmonary thromboembolism diagnosed by two-dimensional echocardiography. Maciel BC, et al. **Chest** 1987 Jul;92(1):171–3

A comparative study of intravenous digital subtraction angiography and ventilation-perfusion scans in suspected pulmonary embolism. Piers DB, et al. **Chest** 1987 Jun; 91(6):837–43

Acute and chronic pulmonary thromboembolism: current perspectives. Part III: Diagnosis. Ansari A. **Clin Cardiol** 1986 Oct;9(10):512–24

Acute and chronic pulmonary thromboembolism: current perspectives. Part IV: Differential diagnosis and prophylaxis. Ansari A. **Clin Cardiol** 1986 Nov;9(11):567–72

Acute and chronic pulmonary thromboembolism: current perspectives. Part VIII: Summary and references. Ansari A. **Clin Cardiol** 1987 Mar;10(3):181–8

Increased alveolar deadspace after closure of cardiac septal defects: pulmonary air embolism or failure of homeostasis? Fletcher R, et al. **Clin Physiol** 1986 Oct;6(5):423–30

Diagnosis and treatment of pulmonary embolism. Solomon DA, et al. **Compr Ther** 1987 Jul;13(7):60–5

Pulmonary microemboli presenting as an acute infectious process. Lamb AS, et al. **Heart Lung** 1987 Mar;16(2):150–3

The role of diagnostic criteria, isotopic perfusion defect and alveolar-arterial oxygen difference in the differential diagnosis of pulmonary thromboembolism and the evaluation of fibrinolytic therapy. Oguma Y, et al. **Hokkaido Igaku Zasshi** 1987 May;62(3):501–10

Pneumococcal antibody levels in patients with acute lung infiltrates. Löwenberg A, et al. **Infection** 1987 May–Jun; 15(3):192–9

Diagnosis of pulmonary embolism. Hirsh J, et al. **J Am Coll Cardiol** 1986 Dec;8(6 Suppl B):128B–136B (35 ref.)

Intracaval extension of pheochromocytoma simulating pulmonary embolism. Dicke TE, et al. **J Surg Oncol** 1987 Mar;34(3):160–4

Radiological (scintigraphic) evaluation of patients with suspected pulmonary thromboembolism. Biello DR. **JAMA** 1987 Jun 19;257(23):3257–9

Pulmonary embolism: diagnosis with multiple imaging modalities. Alderson PO, et al. **Radiology** 1987 Aug; 164(2):297–312 (122 ref.)

Pulmonary thromboembolism, perfusion scintigraphy, X-ray examination. Amendolagine F, et al. **Rays** 1986 Jan–Apr; 11(1):121–31

Routine electrocardiography in screening for pulmonary embolism. Petruzzelli S, et al. **Respiration** 1986;50(4):233–43

[Pulmonary embolism and venous thrombosis. Analysis of the present state of diagnosis and prevention in Czechoslovakia] Widimský J, et al. **Cas Lek Cesk** 1987 May 8;126(19):590–3 (Eng. Abstr.) **(Cze)**

[Strategy of studies in pulmonary embolism] Serradimigni A. **Arch Mal Coeur** 1987 May;80(5):629–32 **(Fre)**

[Value and place of real-time ultrasonic diagnosis combined with continuous-wave Doppler in the diagnosis and follow-up of thromboembolic disease] Elias A, et al. **J Mal Vasc** 1987;12(3):246–8 (Eng. Abstr.) **(Fre)**

[Necessary diagnostic measures for determining indications for pulmonary embolectomy] Dalichau H, et al. **Langenbecks Arch Chir** 1986;369:507–12 (Eng. Abstr.) **(Ger)**

[Diagnostic and therapeutic strategies in acute pulmonary artery embolism] Tebbe U, et al. **Med Klin** 1987 Feb 13; 82(3):105–9 **(Ger)**

[Lung embolism: a not seldom misconstrued clinical complication] Weins DM. **Med Klin** 1986 May 16; 81(11):389–94 **(Ger)**

[Diagnosis of lung embolism. Prospective study] Melcher GA, et al. **Schweiz Med Wochenschr** 1987 Jan 31; 117(5):158–60 (Eng. Abstr.) **(Ger)**

[Electrocardiographic aspects simulating acute myocardial infarct in massive pulmonary embolism. Description of 2 cases] Cassin M, et al. **G Ital Cardiol** 1986 Oct;16(10):882–5 (Eng. Abstr.) **(Ita)**

[A surgical case of right atrial giant thrombus associated with diffuse pericardial calcification and with an onset of multiple pulmonary infarction] Fujimura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):541–6 (Eng. Abstr.) **(Jpn)**

[A report on a case of an elderly patient with pulmonary thromboembolism] Nakano H, et al. **Nippon Ronen Igakkai Zasshi** 1986 Nov;23(6):611–5 (Eng. Abstr.) **(Jpn)**

[Advances in the diagnosis and treatment of pulmonary embolism] Filipecki S, et al. **Pol Tyg Lek** 1987 Feb 9; 42(6):159–64 **(Pol)**

[Diagnostic value of rheopulmonography in pulmonary thromboembolism] Antonova NIu, et al. **Grudn Khir** 1987 May–Jun;(3):12–6 (Eng. Abstr.) **(Rus)**

[Difficulties in the diagnosis of thromboembolism of the pulmonary artery in stroke patients] Bakhur VT, et al. **Klin Med (Mosk)** 1987 Feb;65(2):51–5 (Eng. Abstr.) **(Rus)**

[Echocardiographic signs of thromboembolism of the pulmonary artery] Pachuliia LK, et al. **Klin Med (Mosk)** 1986 Jul;64(7):114–8 **(Rus)**

[Clinical picture and diagnosis of thromboembolism of the pulmonary artery] Matsnev AA, et al. **Voen Med Zh** 1987 Jan;(1):33–6 **(Rus)**

[Noninvasive diagnostic possibilities in thromboembolism —correlation of radiologic and autopsy findings in massive pulmonary thromboembolism. Clinical and radiologic manifestations of pulmonary infarct] Mijušković B, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):121–7 (Eng. Abstr.) **(Ser)**

[Pulmonary thromboembolism: a clinico-pathological correlation of 510 patients] Pila Pérez R, et al. **Rev Clin Esp** 1987 Jun;181(1):15–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pulmonary vascular obstruction in severe ARDS: angiographic alterations after i.v. fibrinolytic therapy. Greene R, et al. **AJR** 1987 Mar;148(3):501–8

Cardiopulmonary effects of ketanserin infusion in human pulmonary embolism. Huet Y, et al. **Am Rev Respir Dis** 1987 Jan;135(1):114–7

Massive pulmonary embolism: short-term effects of thrombolytic treatment. Grau E, et al. **Angiology** 1986 Nov; 37(11):832–9

Local fibrinolytic therapy in acute pulmonary embolism. Berger T, et al. **Ann Radiol (Paris)** 1987;30(2):151–5

Treatment of pulmonary embolism. Hirsh J. **Annu Rev Med** 1987;38:91–105 (71 ref.)

Timing of oral anticoagulation therapy in the treatment of angiographically proven acute pulmonary embolism. Rosiello RA, et al. **Arch Intern Med** 1987 Aug; 147(8):1469–73

Initial experience with a new fibrinolytic agent (APSAC) in patients with major pulmonary embolism. Bett JH, et al. **Aust NZ J Med** 1987 Feb;17(1):77–9

Recombinant tissue plasminogen activator in patients with pulmonary embolism: correlation of fibrinolytic specificity and efficacy. Vaughan DE, et al. **Circulation** 1987 Jun; 75(6):1200–3

The UKEP study: multicentre clinical trial on two local regimens of urokinase in massive pulmonary embolism. The UKEP Study Research Group. **Eur Heart J** 1987 Jan; 8(1):2–10

Effect of N-acetylcysteine on pulmonary damage due to microembolism in the rat. Wegener T, et al. **Eur J Respir Dis** 1987 Apr;70(4):205–12

Does thrombolytic therapy have a place in the treatment of pulmonary embolism after the acute stage? Brochier M, et al. **Haemostasis** 1986;16 Suppl 3:58–64

Does thrombolytic therapy alter the prognosis of pulmonary embolism? Sasahara AA, et al. **Haemostasis** 1986;16 Suppl 3:51–7

Pulmonary embolism: what happens to the source of the embolus? Serradimigni A, et al. **Haemostasis** 1986;16 Suppl 3:65–74

Treatment of acute pulmonary embolism by a low molecular weight heparin fraction. A preliminary study. Huet Y, et al. **Intensive Care Med** 1987;13(2):126–30

Frequency of a normal lung scan observed in the urokinase-streptokinase pulmonary embolism trial [letter] Hull RD, et al. **Invest Radiol** 1987 Apr;22(4):357

Animal model of acute pulmonary thromboembolism treated by local recirculation of streptokinase through the lung. Cabrera Fischer EI, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):620–7

Safety and efficacy of warfarin started early after submassive venous thrombosis or pulmonary embolism. Gallus A, et al. **Lancet** 1986 Dec 6;2(8519):1293–6

Acute pulmonary embolism treated with tissue plasminogen activator. Goldhaber SZ, et al. **Lancet** 1986 Oct 18; 2(8512):886–9

Urokinase therapy for a catheter-related right atrial thrombus and pulmonary embolism in a 2-month-old infant. Zureikat GY, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):303–6

Controversies of different regimens of thrombolytic therapy in acute pulmonary embolism. Cella G, et al. **Semin Thromb Hemost** 1987 Apr;13(2):163–70 (20 ref.)

Perspectives on treatment of acute pulmonary embolism with tissue plasminogen activator. Goldhaber SZ, et al. **Semin Thromb Hemost** 1987 Apr;13(2):171–7

Intra-arterial thrombolytic therapy in peripheral vascular disease. Comerota AJ, et al. **Surg Gynecol Obstet** 1987 Jul; 165(1):1–8

Treatment of pulmonary embolism with full-dose heparin, streptokinase or embolectomy—results and indications. Lund O, et al. **Thorac Cardiovasc Surg** 1986 Aug; 34(4):240–6

Bilateral adrenal hemorrhage associated with heparin-induced thrombocytopenia. Findling JW, et al. **Wis Med J** 1987 Mar;86(3):27–9

[Prophylactic and curative effects of a thrombolytic enzyme on experimental thrombosis and pulmonary embolism] Li SQ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep; 24(9):554–7, 575 (Eng. Abstr.) **(Chi)**

[Do thrombolytic agents have a place in the treatment of pulmonary embolism after the acute phase?] Brochier M, et al. **Haemostasis** 1986;16 Suppl 4:62–8 **(Fre)**

[Does thrombolytic treatment modify the prognosis of pulmonary embolism?] Sasahara AA, et al. **Haemostasis** 1986;16 Suppl 4:54–61 **(Fre)**

[Pulmonary embolism: what happens to the emboligenic focus?] Serradimigni A, et al. **Haemostasis** 1986;16 Suppl 4:69–78 **(Fre)**

[Therapeutic approach in severe pulmonary embolism (letter)] Simonneau G, et al. **Presse Med** 1987 Jan 24; 16(2):83 **(Fre)**

[Emergency and necessity of thrombolysis in acute massive pulmonary embolism (letter)] Sors H, et al. **Presse Med** 1987 Feb 7;16(4):178 **(Fre)**

[Should pulmonary embolism be treated with thrombolytic agents?] Laaban JP, et al. **Rev Med Interne** 1987 Mar–Apr; 8(2):195–201 **(Fre)**

[High-dose short time fibrinolytic treatment with streptokinase of massive lung embolism in the early postoperative period] Goldstein M. **Anaesthesist** 1987 May; 36(5):239–41 (Eng. Abstr.) **(Ger)**

[Fibrinolytic therapy of lung embolism] Riess H. **Fortschr Med** 1986 Sep 25;104(36):667–70 (Eng. Abstr.) **(Ger)**

[Drug therapy of pulmonary embolism] Oehler G. **Langenbecks Arch Chir** 1986;369:519–21 (Eng. Abstr.) **(Ger)**

[Prevention and treatment of pulmonary embolism] Davi G, et al. **Cardiologia** 1987 Jun;32(6):529–33 **(Ita)**

[Difficulties in the diagnosis and treatment of pulmonary embolism] Hajduk B, et al. **Pol Tyg Lek** 1987 Feb 9; 42(6):156–8 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Venous air embolism following insufflation of the urethra. Vanlinthout L, et al. **Acta Anaesthesiol Belg** 1986; 37(4):275–9

Occult pulmonary embolism: a common occurrence in deep venous thrombosis. Dorfman GS, et al. **AJR** 1987 Feb; 148(2):263–6

Below-knee deep venous thrombosis and pulmonary embolism [letter] Monreal M, et al. **AJR** 1987 Oct; 149(4):860

Septic pulmonary embolic secondary to an infected right atrial thrombus. Lam D, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):178–80

Neonatal pulmonary microaggregates and thrombi. Lack of correlation with blood transfusion. Plotz RD. **Am J Clin Pathol** 1987 Mar;87(3):380–3

Postoperative deep venous thrombosis and pulmonary embolism: diagnosis, management, and prevention. Seiden AM, et al. **Am J Otol** 1986 Sep;7(5):377–83 (17 ref.)

Nontraumatic fat embolization. A rare cause of new pulmonary infiltrates in an immunocompromised patient. Rosen JM, et al. **Am Rev Respir Dis** 1986 Oct;134(4):805–8

Risk of pulmonary embolus with inferior vena cava thrombosis. Radomski JS, et al. **Am Surg** 1987 Feb; 53(2):97–101

Right atrial thrombus and recurrent pulmonary emboli secondary to permanent cardiac pacing—a case report and short review of literature. Porath A, et al. **Angiology** 1987 Aug;38(8):627–30

Left atrial myxoma: pulmonary infarction caused by pulmonary venous occlusion. Stevens LH, et al. **Ann Thorac Surg** 1987 Feb;43(2):215–7

Pulmonary embolism from a venous thrombus located below the knee. Bartter T, et al. **Arch Intern Med** 1987 Feb; 147(2):373–5

Fatal pulmonary bile embolism following acute acalculous cholecystitis. Proia AD, et al. **Arch Surg** 1986 Oct; 121(10):1206–8

Entanglement of embolised thrombus with an endocardial lead causing pacemaker malfunction and subsequent pulmonary embolism. Perry RA, et al. **Br Heart J** 1987 Mar;57(3):292–5

Pulmonary marrow embolism: a dog model simulating dual component cemented arthroplasty. Byrick RJ, et al. **Can J Anaesth** 1987 Jul;34(4):336–42

Pneumothorax and pulmonary embolism complicating post-traumatic hip surgery. Oxorn DC, et al. **Can J Anaesth** 1987 Mar;34(2):174–7

Fatal fat embolism during cemented total knee arthroplasty: a case report. Orsini EC, et al. **Can J Surg** 1986 Sep; 29(5):385–6

Aneurysm of the right ovarian vein—an unusual cause of pulmonary embolism. Kaufmann K, et al. **Cardiovasc Intervent Radiol** 1987;10(2):100–3

Thrombophilia caused by primary antithrombin-III deficiency. Report of an autopsy case. Wang RN, et al. **Chin Med J [Engl]** 1986 Dec;99(12):990–4

Case of embolization by a sheared pulmonary artery catheter tip [letter] Herr D, et al. **Crit Care Med** 1987 Apr; 15(4):337–8

Westermark's sign demonstrated by a peripherally wedged Swan-Ganz catheter. A case report. Kieft GJ, et al. **Diagn Imag Clin Med** 1986;55(4–5):273–5

Behçet's disease: cardiac and pulmonary involvement. Candan I, et al. **Eur Heart J** 1986 Nov;7(11):999–1002

Incidence of asymptomatic pulmonary embolus following acute myocardial infarction. McCance AJ, et al. **Eur Heart J** 1987 Apr;8(4):360–1

Anaesthetic techniques and thromboembolism in total hip arthroplasty. Fredin H, et al. **Eur J Anaesthesiol** 1986 Jul; 3(4):273–81

Pulmonary microembolism in the canine model: report of a pilot study. Bivins BA, et al. **Henry Ford Hosp Med J** 1986;34(2):109–12

An 8-year history of pulmonary emboli, deep-vein thrombosis. Glatt AE. **Hosp Pract [Off]** 1987 May 15; 22(5):247, 251–2, 254

Multiple pulmonary missile emboli. Buckels JA, et al. **Injury** 1986 Mar;17(2):129–30

The consequences of mercury injection in two patients. Darby J, et al. **Ir Med J** 1987 Jun;80(6):175–6

The heparin-induced thrombocytopenia and thrombosis syndrome. Report of a case. Barber FA, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):935–7

Pulmonary embolism from a parasitic cardiac clot secondary to hepatic alveolar echinococcosis. Etievent JP, et al. **J Cardiovasc Surg (Torino)** 1986 Nov–Dec;27(6):671–4

Spontaneous fracture of the catheter of a totally implantable venous access port: case report of a rare complication. Noyen J, et al. **J Clin Oncol** 1987 Aug;5(8):1295–9

Needle emboli to lung following intravenous drug abuse. Angelos MG, et al. **J Emerg Med** 1986;4(5):391–6

Localized fibrous mesothelioma in the postpartum period. Rosenthal TC. **J Fam Pract** 1987 Aug;25(2):174–5

Infective endocarditis in children: a current diagnostic trend and the embolic complications. Yokochi K, et al. **Jpn Circ J** 1986 Dec;50(12):1294–7

Pulmonary embolism during general anaesthesia. Tsai YJ, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):33–7

Medical malpractice case—wrongful death—blood clot in lung—heparin (anticoagulant) given—Part VII. **Med Trial Tech Q** 1986;33(2):222–64

Postoperative (or postsurgical) pulmonary embolism. A community analysis Duluth, Minnesota. Campaigne RJ. **Minn Med** 1986 Aug;69(8):449–52

Trophoblastic embolization during molar evacuation: central hemodynamic observations. Hankins GD, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):368–72

Clinical management and the neoplastic sequelae of trophoblastic embolization associated with hydatidiform mole. Kohorn EI. **Obstet Gynecol Surv** 1987 Aug; 42(8):484–8 (33 ref.)

Massive pulmonary infarction in sickle cell anemia. Maggi JC, et al. **Pediatr Emerg Care** 1987 Mar;3(1):30–2

Pulmonary embolus after treatment for subclavian–axillary vein thrombosis. Jones JC, et al. **Postgrad Med** 1987 Jul; 82(1):244–9

[Thromboembolic complications after hip alloplasty for coxarthrosis] Pedersen J, et al. **Ugeskr Laeger** 1987 May 25;149(22):1463–6 (Eng. Abstr.) **(Dan)**

[Hydatid cyst of the right heart and post-embolic pulmonary hypertension] Pansard Y, et al. **Arch Mal Coeur** 1987 May; 80(5):667–9 (Eng. Abstr.) **(Fre)**

[Fatal neoplastic embolism during liver transplantation] Vigouroux D, et al. **Cah Anesthesiol** 1986 Aug–Sep; 34(5):423–4 **(Fre)**

[Ruptured adenoma of the liver with severe pulmonary embolism discovered during a cesarean section] Aulagnier G, et al. **J Chir (Paris)** 1986 Nov;123(11):651–3 (Eng. Abstr.) **(Fre)**

[Pulmonary embolism in the aged—clinical study] Vaudaux B. **Schweiz Rundsch Med Prax** 1986 Aug 12;75(33):964–6 (Eng. Abstr.) **(Fre)**

[Efficacy and tolerance of the low molecular weight heparin fraction CY 216 in preventing postoperative venous thromboembolism] Kakkar VV. **Med Klin [Suppl]** 1986 Oct; 3:13–6 (Eng. Abstr.) **(Ger)**

[Thromboses in deep veins and in arteries following sclerosing of varicose veins] Goor W, et al. **Vasa** 1987; 16(2):124–9 (Eng. Abstr.) **(Ger)**

[Fatal chondrosarcoma tumor–embolism] Tiszlavicz L, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):211–8 (Eng. Abstr.) **(Hun)**

[Pulmonary carcinomatosis: a rare cause of acute cor pulmonale] Rellini G, et al. **G Ital Cardiol** 1986 Jun; 16(6):479–86 (Eng. Abstr.) **(Ita)**

[Epidemiology of pulmonary embolism in general surgery] Boltri F, et al. **Minerva Chir** 1986 Dec 31;41(23–24):2017–25 (Eng. Abstr.) **(Ita)**

[Pulmonary embolism after cardiac catheterization] Otsuka H, et al. **Kokyu To Junkan** 1987 Jan;35(1):105–11 (Eng. Abstr.) **(Jpn)**

[Pulmonary embolism caused by neoplastic tissue (case report)] Filipecki S, et al. **Pneumonol Pol** 1987 Jan; 55(1):34–7 (Eng. Abstr.) **(Pol)**

[Pulmonary embolism caused by factors other than blood clot] Filipecki S. **Pol Tyg Lek** 1987 Feb 9;42(6):165–70 (30 ref.) **(Pol)**

[Complications of transvenous pacemakers. Considerations apropos of 2 necropsy cases] De Almeida EA, et al. **Arq Bras Cardiol** 1986 Apr;46(4):255–8 (Eng. Abstr.) **(Por)**

[Postoperative pulmonary embolism] Cherbiak PI, et al. **Klin Khir** 1986;(10):62–3 **(Rus)**

[Disorders of the functional properties of thrombocytes causing thromboembolism in acute suppurative destructive diseases of the lungs and pleura] Tulupov AN, et al. **Vestn Khir** 1986 Aug;137(8):9–13 (Eng. Abstr.) **(Rus)**

[Intracardiac thrombosis, bacterial endocarditis and pulmonary thromboembolism as a complication of peritoneovenous shunt] Ginés MA, et al. **Med Clin (Barc)** 1987 May 30;89(1):22–4 (Eng. Abstr.) **(Spa)**

[Coronary embolism and pulmonary embolism: a rare complication in drug addicts with endocarditis (letter)] Sala Estébanez JH, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):608 **(Spa)**

[Complicated tropical pyomyositis simulating acute abdomen] Ramos García A, et al. **Rev Cubana Med Trop** 1985 Sep–Dec;37(3):323–6 (Eng. Abstr.) **(Spa)**

[Rare respiratory obstruction during pneumonectomy] Manrique J, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb; 34(1):67–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Pulmonary epithelial clearance of 99mTc-DTPA after thrombin-induced pulmonary microembolism. Cooper JA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):734–8

[Histochemical findings in fat embolism] Armani A. **Pathologica** 1986 Jul–Aug;78(1056):517–23 (Eng. Abstr.) **(Ita)**

NURSING

Pulmonary tissue perfusion altered: emboli. Roberts SL. **Heart Lung** 1987 Mar;16(2):128–39

OCCURRENCE

Autopsy incidence of pulmonary vascular episodes. A study of 218 cases. Datta BN, et al. **Angiology** 1986 Oct; 37(10):744–50

Pulmonary thromboembolism in children. Matthew DJ, et al. **Intensive Care Med** 1986;12(6):404–6

Autopsy proven pulmonary embolism among the institutionalized elderly. Taubman LB, et al. **J Am Geriatr Soc** 1986 Oct;34(10):752–6

[Pulmonary embolism—its incidence, diagnosis, prevention and treatment] Polpiliev I. **Vutr Boles** 1986;25(3):25–32 (0 ref.) **(Bul)**

[Cases of pulmonary embolism diagnosed in Pisa from 1969 to 1984] Di Ricco G, et al. **G Ital Cardiol** 1987 Feb; 17(2):113–9 (Eng. Abstr.) **(Ita)**

[The role of helio-geophysical factors in the development of thromboembolism of the pulmonary artery in surgical patients] Klimov VN, et al. **Klin Med (Mosk)** 1987 Feb; 65(2):55–7 (Eng. Abstr.) **(Rus)**

[Incidence of pulmonary embolism based on our surgical data] Koreň K, et al. **Rozhl Chir** 1987 Feb;66(2):95–100 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Myocardium as emboli in the systemic and pulmonary circulation. Lie JT. **Arch Pathol Lab Med** 1987 Mar; 111(3):261–4

79-year-old man with shortness of breath and apical lung mass [clinical conference] **Indiana Med** 1986 Dec; 79(12):1060–5

The autopsy incidence of acute pulmonary embolism in critically ill surgical patients. Cullen DJ, et al. **Intensive Care Med** 1986;12(6):399–403

Platelet-aggregating activities of metastasizing tumor cells. V. In situ roles of platelets in hematogenous metastases. Tanaka NG, et al. **Invasion Metastasis** 1986;6(4):209–24

Alpha-adrenergic agents have little effect during air embolism lung injury in awake sheep. Bonsignore MR, et al. **J Appl Physiol** 1987 Jun;62(6):2147–53

Massive brain tissue and fat pulmonary embolism following severe head injury [letter] Lawler W. **Med Sci Law** 1987 Jul;27(3):218

Massive brain tissue and fat pulmonary embolism following severe head injury. Torry JM. **Med Sci Law** 1987 Apr; 27(2):128–31

Sudden death caused by hydatid embolism. Buris L, et al. **Z Rechtsmed** 1987;98(2):125–8

[Acute acalculous (postoperative) cholecystitis with bile embolism of the lung] Helpap B, et al. **Chirurg** 1987 Jul; 58(7):496–500 **(Ger)**

[A 62-year-old patient with recurring venous thromboses of the leg and lung infarcts despite therapy with oral anticoagulants] Lechner K, et al. **Wien Klin Wochenschr** 1986 Aug 8;98(15):503–10 **(Ger)**

[Significance of anastomoses in the lung in microembolism] Adebahr G. **Z Rechtsmed** 1987;98(1):33–8 (Eng. Abstr.) **(Ger)**

[Recurrent pulmonary thromboembolism and pulmonary hypertension in rabbits receiving repeated intravenous infusions of autologous thrombus] Sakata H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):844–57 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Superoxide dismutase prevents the thrombin-induced increase in lung vascular permeability: role of superoxide in mediating the alterations in lung fluid balance. Johnson A, et al. **Circ Res** 1986 Oct;59(4):405–15

Role of 5-HT2 receptor inhibition in pulmonary embolization. Thompson JA, et al. **Circ Shock** 1986; 20(4):299–309

M-mode echocardiography in acute pulmonary embolism. Fridl P, et al. **Cor Vasa** 1986;28(4):276–81

The breathing pattern in dyspnoic patients with different cardiopulmonary disorders. Ruschi S, et al. **Eur J Respir Dis [Suppl]** 1986;146:389–96

Prostaglandin mediation of hemodynamic responses to pulmonary microembolism in rabbits: effects of ibuprofen and meclofenamate. Konstam MA, et al. **Exp Lung Res** 1987;12(4):331–45

The assessment of gas exchange by automated analysis of O2 and CO2 alveolar to arterial differences. Paoletti P, et al. **Int J Clin Monit Comput** 1986;3(2):89–97

Cardiopulmonary function and pulmonary microemboli during arthroplasty using cemented or non-cemented components. The role of intramedullary pressure. Orsini EC, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):822–32

Pulmonary fibrin deposition and increased microvascular permeability to protein following fibrin microembolism in dogs: a structure-function relationship. Schaeffer RC Jr, et al. **Microvasc Res** 1987 May;33(3):327–52

Relationship of right ventricular electrocardiogram to right coronary driving pressure in experimental acute embolic pulmonary hypertension. Raizada V, et al. **Proc West Pharmacol Soc** 1987;30:327–31

Lung reflexes affecting the larynx in the pig, and the effect of pulmonary microembolism. Aguggini G, et al. **Q J Exp Physiol** 1987 Jan;72(1):95–104

Experimental pulmonary embolism with electrically activated autologous blood. Sedlarik KM, et al. **Res Exp Med (Berl)** 1986;186(4):271–84

[Physiopathological mechanism of pulmonary infarction] Lanari A, et al. **Medicina (B Aires)** 1985;45(2):117–24 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Preventing venous thrombosis and pulmonary embolism [editorial] **Am Fam Physician** 1987 Feb;35(2):95, 98

Complications encountered with the use of the Greenfield filter. Carabasi RA 3d, et al. **Am J Surg** 1987 Aug; 154(2):163–8

Greenfield vena caval filter: rationale and current indications. Jones TK, et al. **Ann Thorac Surg** 1986 Dec;42(6 Suppl):S48–55 (68 ref.)

Intraoperative transesophageal two-dimensional echocardiography in total hip replacement. Ulrich C, et al. **Arch Orthop Trauma Surg** 1986;105(5):274–8

Metastatic cancer. A relative contraindication to vena cava filter placement. Walsh DB, et al. **Cancer** 1987 Jan 1; 59(1):161–3

Hydroxychloroquine sulfate prophylaxis for pulmonary embolism for patients with low-friction arthroplasty. Johnson R, et al. **Clin Orthop** 1986 Oct;(211):151–3

Should dihydroergotamine-heparin be used for prevention of postoperative thromboembolism? Emory CE, et al. **Drug Intell Clin Pharm** 1987 May;21(5):427–31

Preventive and therapeutic approach to venous thromboembolic disease and pulmonary embolism—can death from pulmonary embolism be prevented? Kakkar VV, et al. **J Am Coll Cardiol** 1986 Dec;8(6 Suppl B):146B–158B (103 ref.)

Distinction by radioisotope technique of a subgroup with increased thrombophilic potential among patients submitted to major abdominal surgery. Rasmussen A, et al. **J Med Clin Exp Theor** 1986;17(5–6):357–64

Experimental comparison of percutaneous vena caval devices: titanium Greenfield filter versus bird's nest filter. Burke PE, et al. **J Vasc Surg** 1987 Jul;6(1):66–70

Insertion of the inferior vena cava filter followed by iliofemoral venous thrombectomy for ischemic venous thrombosis. Olearchyk AS. **J Vasc Surg** 1987 Apr; 5(4):645–7

The placement of intracaval filters in an anomalous (left-sided) vena cava. Sardi A, et al. **J Vasc Surg** 1987 Jul;6(1):84–6

Risk/benefit of heparin-dihydroergotamine thromboembolic prophylaxis [letter] Schlag G, et al. **Lancet** 1986 Dec 20–27; 2(8521–22):1465

Prophylaxis for deep vein thrombosis and pulmonary embolism in the surgical patient. Merli GJ, et al. **Med Clin North Am** 1987 May;71(3):377–97 (97 ref.)

Experience with the Amplatz retrievable vena caval filter. Work in progress. Darcy MD, et al. **Radiology** 1986 Dec; 161(3):611–4

Low dose heparin for prevention of deep vein thrombosis and pulmonary embolism in medical patients. Forbes CD, et al. **Scott Med J** 1987 Jun;32(3):67–8 (27 ref.)

New criteria for placement of a prophylactic vena cava filter. Alexander JJ, et al. **Surg Gynecol Obstet** 1986 Nov; 163(5):405–9

Recurrent, fatal pulmonary embolism despite inferior vena cava interruption with the Greenfield filter. Bounameaux H, et al. **Vasa** 1987;16(1):84–5

[Prevention of deep venous thrombosis and pulmonary embolism in general surgery] Verstraete M. **Ann Med Interne (Paris)** 1986;137(6):507–9 (Eng. Abstr.) **(Fre)**

[Partial interruption of the inferior vena cava using the 2612 filter. Apropos of 35 patients] Castellani L, et al. **J Mal Vasc** 1987;12(1):64–9 (Eng. Abstr.) **(Fre)**

[Prevention of pulmonary embolism in the case of a double inferior vena cava (letter)] Icard P, et al. **Presse Med** 1986 Dec 13;15(44):2213 **(Fre)**

[Auricular fibrillation and anticoagulation] Urban P. **Schweiz Rundsch Med Prax** 1986 Dec 2;75(49):1487–8 **(Fre)**

[Prevention of pulmonary embolism using a vena cava filter and cava clip] Günther HU, et al. **Langenbecks Arch Chir** 1986;369:497–500 (Eng. Abstr.) **(Ger)**

[Thrombectomy with AV fistula in embolizing deep venous thrombosis—better therapeutic concepts] Kniemeyer H, et al. **Langenbecks Arch Chir** 1986;369:603–7 (Eng. Abstr.) **(Ger)**

[Principles of drug prevention of thrombosis] Lasch HG. **Langenbecks Arch Chir** 1986;369:451–7 (Eng. Abstr.) **(Ger)**

[Indications for the implantation of a vena cava filter] Müller-Wiefel H. **Langenbecks Arch Chir** 1986;369:389–92 (Eng. Abstr.) **(Ger)**

[Indications and results of caval filter operation using the Kimray-Greenfield filter] Thetter O, et al. **Langenbecks Arch Chir** 1986;369:493–6 (Eng. Abstr.) **(Ger)**

[Value of transvenous caval occlusion surgery in view of the complications] Urbanyi B, et al. **Langenbecks Arch Chir** 1986;369:501–5 (Eng. Abstr.) **(Ger)**

[Percutaneous, transvenous retraction of a vena cava filter from the right ventricle] Müller US, et al. **Z Kardiol** 1987 Mar;76(3):180–1 (Eng. Abstr.) **(Ger)**

[A new vena cava filter which can be inserted percutaneously] Kodera K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jun 25; 46(6):839–41 (Eng. Abstr.) **(Jpn)**

[The role of the complex diagnostic technic of ultrasonic flowmetry and venous occlusion plethysmography in the prevention of thromboembolism of the pulmonary artery] Ovcharenko KI, et al. **Ter Arkh** 1987;59(1):59–62 (Eng. Abstr.) **(Rus)**

[Morphological and hemodynamic changes in the inferior vena cava secondary to partial interruption for preventing pulmonary embolism] Alemany J, et al. **Angiologia** 1987 Jan–Feb;39(1):9–14 (Eng. Abstr.) **(Spa)**

[Prevent of pulmonary thromboembolism in surgery of the digestive system] Pallas Regueira JA, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):217–22 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Studies on pulmonary ventilation using digital subtraction radiography. A preliminary report. Björk L. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):661–6

Computed chest tomography in rats with pulmonary damage due to microembolism. Wegener T, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec;27(6):723–8

Reliability of selective pulmonary arteriography in the diagnosis of pulmonary embolism. Quinn MF, et al. **AJR** 1987 Sep;149(3):469–71

Septic emboli. Mrose HE, et al. **Am Fam Physician** 1987 Mar; 35(3):147–8

Pulmonary arteriography: the gold standard [letter] Sautter RD. **Arch Intern Med** 1987 Feb;147(2):202, 205

Pulmonary angiography, ventilation lung scanning, and venography for clinically suspected pulmonary embolism with abnormal perfusion lung scan. Blumhardt R. **Invest Radiol** 1986 Dec;21(12):940–2

Metallic mercury pulmonary emboli. Spizarny DL, et al. **J Can Assoc Radiol** 1987 Mar;38(1):60–1

Digital subtraction angiography of the pulmonary arteries. Pond GD, et al. **J Thorac Imaging** 1985 Dec;1(1):21–31

Demonstration of fat emboli in the lung by soft X-ray photography after osmium treatment. Kawaguchi N, et al. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):105–10

CT demonstration of asymptomatic pulmonary emboli after bone marrow transplantation: case report. Allen BT, et al. **Pediatr Radiol** 1987;17(1):65–7

Radiographic parenchymal opacity, matching perfusion defect, and normal ventilation: a sign of pulmonary embolism? Work in progress. Strauss EB, et al. **Radiology** 1987 May;163(2):505–6

Invasion of the inferior vena cava by testicular seminoma: demonstration by computed tomography and venography. O'Brien WM, et al. **Urol Radiol** 1986;8(2):108–11

[Paradoxical pulmonary embolism through a patent foramen ovale. New diagnostic method: digital angiography (letter)] Chevalier P, et al. **Presse Med** 1986 Dec 13;15(44):2210–1 **(Fre)**

[Pulmonary embolism in early adulthood. Detection using intravenous subtraction angiography] Dettmann R, et al. **Monatsschr Kinderheilkd** 1986 Dec;134(12):881–3 (Eng. Abstr.) **(Ger)**

[High resolution CT of the lung after lymphangiography] Sasai K, et al. **Rinsho Hoshasen** 1987 Jan;32(1):45–9 **(Jpn)**

[Clinico-roentgenological characteristics of thromboembolism of the pulmonary arteries in patients with rheumatism] Mazaev PN, et al. **Ter Arkh** 1986; 58(7):91–4 (Eng. Abstr.) **(Rus)**

[Digital subtraction angiography in the diagnosis of pulmonary artery thromboembolisms] Elagin OS, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug;(4):20–4 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Impact of lung scanning on the management of suspected pulmonary embolism [editorial] Dawley D, et al. **Am Heart J** 1987 Sep;114(3):669–71

Radiolabeled platelets in detecting the source of recurrent pulmonary emboli—a case report. Poskitt KR, et al. **Angiology** 1987 Jan;38(1 Pt 1):62–6

A new technique for xenon-133 ventilation imaging in the diagnosis of pulmonary embolism. Diffey BL, et al. **Br J Radiol** 1986 Dec;59(708):1179–84

Normal lung perfusion scan with extensive thromboembolic disease. Brandstetter RD, et al. **Chest** 1987 Sep;92(3):565–7

Lung scintigraphy [letter] Silberstein EB. **Chest** 1987 Jan; 91(1):152–3

Ventilation scanning with technetium labeled aerosols [letter] Elam DA. **Clin Nucl Med** 1987 Jan;12(1):84–5

Technetium-99m red blood cell venography of the lower limb in symptomatic pulmonary embolization. Lisbona R, et al. **Clin Nucl Med** 1987 Feb;12(2):93–8

Postperfusion ventilation studies in the diagnosis of pulmonary embolism. An economic appraisal. Parker LA, et al. **Clin Nucl Med** 1987 Jan;12(1):6–8

Clinical experience with technetium-99m DTPA aerosol with perfusion scintigraphy in suspected pulmonary embolism. Selby JB, et al. **Clin Nucl Med** 1987 Jan;12(1):1–5

Scintigraphic evaluation of pulmonary embolism. Alderson PO. **Eur J Nucl Med** 1987;13 Suppl:S6–10

Incidence and clinical feature of pulmonary embolism in patients with deep vein thrombosis: a prospective study. Köhn H, et al. **Eur J Nucl Med** 1987;13 Suppl:S11–5

99mTc-DTPA and 99mTc-rhenium sulfur aerosol compared as adjuncts to perfusion scintigraphy in patients with suspected pulmonary embolism. Peltier P, et al. **Eur J Nucl Med** 1986;12(5–6):254–7

Unresolved major pulmonary embolism: importance of follow-up lung scan in diagnosis. Yoo HS, et al. **Eur J Nucl Med** 1986;12(5–6):252–3

Diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism. Alderson PO, et al. **Invest Radiol** 1987 Jan;22(1):87–90

Indium-111 autologous platelets in the detection of experimental pulmonary emboli. Effect of heparin and aged platelets. Cella G, et al. **J Nucl Med Allied Sci** 1986 Apr–Sep;30(2–3):133–40

Unusual pulmonary artery 99mTc HSA uptake seen by gated blood pool imaging. Machac J, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):221–4

Technegas—a new ventilation agent for lung scanning. Burch WM, et al. **Nucl Med Commun** 1986 Dec;7(12):865–71

Unilateral pulmonary blood flow loss in a young patient. Paes RA, et al. **Nucl Med Commun** 1985 Jun;6(6):347–51

Clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams. Smith R, et al. **Radiology** 1987 Sep; 164(3):731–3

New horizons in pulmonary scintigraphy [editorial] Alderson PO. **Semin Nucl Med** 1986 Oct;16(4):232–4

Single photon emission computed tomography in the diagnosis of pulmonary thromboembolism. Touya JJ, et al. **Semin Nucl Med** 1986 Oct;16(4):306–36

Pulmonary thromboembolism: current status report on the role of nuclear medicine. Wellman HN. **Semin Nucl Med** 1986 Oct;16(4):236–74 (99 ref.)

[111In-labeled platelets and 67Ga-DFO-DAS-fibrinogen for the detection of pulmonary thromboembolism] Hanano M, et al. **Kokyu To Junkan** 1987 Jan;35(1):3–9 **(Jpn)**

SURGERY

Caval ligation versus clipping to counteract pulmonary embolism. Perhoniemi V, et al. **Ann Chir Gynaecol** 1986; 75(6):325–7

Thromboendarterectomy for chronic, major-vessel thromboembolic pulmonary hypertension. Immediate and long-term results in 42 patients. Moser KM, et al. **Ann Intern Med** 1987 Oct;107(4):560–5

Prolonged survival following emergency pulmonary tumour embolectomy and subsequent nephrectomy. Markham NI, et al. **Br J Urol** 1987 May;59(5):484–5

Trendelenburg pulmonary embolectomy for cardiac arrest secondary to massive pulmonary embolism. Weatherford SC, et al. **Can J Surg** 1986 Sep;29(5):383–4

Pulmonary embolectomy [letter] Berger RL, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):154–6

Modifications of techniques and early results of pulmonary thromboendarterectomy for chronic pulmonary embolism. Daily PO, et al. **J Thorac Cardiovasc Surg** 1987 Feb; 93(2):221–33

Pulmonary embolectomy [letter] Sautter RD. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):637–8

Effects of pulmonary embolism on survival of patients with Greenfield vena caval filters. Maxwell RJ, et al. **Surgery** 1987 Apr;101(4):389–94

Successful treatment of tumor embolism of a hypernephroma with complete occlusion of the left pulmonary artery. Isringhaus H, et al. **Thorac Cardiovasc Surg** 1987 Feb; 35(1):65–6

[Indications for pulmonary embolectomy] Mulch J. **Langenbecks Arch Chir** 1986;369:513–8 (Eng. Abstr.) **(Ger)**

[Life-saving emergency pulmonary thromboembolectomy in a case of acute massive pulmonary thromboembolism with syncope] Okubo S, et al. **Kokyu To Junkan** 1987 Jun; 35(6):673–7 (Eng. Abstr.) **(Jpn)**

[Successful removal of a massive pulmonary embolus under extracorporeal circulation] Hara H, et al. **Kyobu Geka** 1986 Aug;39(8):617–21 (Eng. Abstr.) **(Jpn)**

[A case of successful operation of acute pulmonary embolism] Sakamoto S, et al. **Kyobu Geka** 1987 May;40(6):487–91 (Eng. Abstr.) **(Jpn)**

[A case report of chronic pulmonary embolism treated with inferior vena-caval interruption and with pulmonary embolectomy without extra-corporeal circulation] Ishihara H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul; 34(7):1059–64 (Eng. Abstr.) **(Jpn)**

[Results of surgical treatment of thromboembolism of the pulmonary artery] Savel'ev VS, et al. **Gruda Khir** 1987 Jul–Aug;(4):71–7 (Eng. Abstr.) **(Rus)**

[Rehabilitation of pulmonary function after pulmonary artery embolectomy] Savel'ev VS, et al. **Gruda Khir** 1986 Jul–Aug;(4):17–21 (Eng. Abstr.) **(Rus)**

THERAPY

Pulmonary embolism: long-term follow-up after treatment with full-dose heparin, streptokinase or embolectomy. Lund O, et al. **Acta Med Scand** 1987;221(1):61–71

Transfemoral embolectomy for massive pulmonary embolus and associated myocardial infarction. Feitelberg SP, et al. **Am Heart J** 1987 Mar;113(3):819–20

Pulmonary embolism. Benatar SR, et al. **Br J Dis Chest** 1986 Oct;80(4):313–34 (156 ref.)

Pulmonary embolism, haematemesis and the Gunther vena caval filter. Mahendran M, et al. **Br J Radiol** 1987 Jun; 60(714):595–6

Vena caval filters: keeping big clots down [editorial] McCollum C. **Br Med J [Clin Res]** 1987 Jun 20; 294(6587):1566

First clinical results with a new caval filter. Günther RW, et al. **Cardiovasc Intervent Radiol** 1987;10(2):104–8

Acute and chronic pulmonary thromboembolism: current perspectives. Part V: Management. Ansari A. **Clin Cardiol** 1986 Dec;9(12):614–20

Pulmonary embolism: high-frequency jet ventilation offers advantages over conventional mechanical ventilation. Murray IP, et al. **Crit Care Med** 1987 Feb;15(2):114–7

Pulmonary venous air embolism in the neonate [letter] Rettenmaier PA. **Crit Care Med** 1987 May;15(5):541

[Percutaneous transluminal balloon-catheter recanalization in acute pulmonary embolism (letter)] Höpp HW, et al. **Dtsch Med Wochenschr** 1986 Oct 24;111(43):1660–1 **(Ger)**

[Diagnosis and therapy of lung embolism] Kohl FV, et al. **Internist (Berlin)** 1987 Jan;28(1):21–9 **(Ger)**

PULMONARY EMPHYSEMA

Bronchitis and emphysema. Proceedings of the 4th congress of the European Society of Pneumology. Milano—Stresa, Italy, September 23–29, 1985. Abstracts. **Eur J Respir Dis [Suppl]** 1986;146:A1–203

Bronchitis and emphysema. Proceedings of the 4th Congress of the European Society of Pneumology. Milano-Stresa, Italy, September 23–29, 1985. **Eur J Respir Dis [Suppl]** 1986;146:1–718

BLOOD

Increased serum levels of ceruloplasmin in severe chronic airflow obstruction. Pedersen JZ, et al. **Eur J Respir Dis** 1987 Mar;70(3):140–4

CHEMICALLY INDUCED

Respiratory complications in low-birth-weight infants who received phenobarbital. Kuban KC, et al. **Am J Dis Child** 1987 Sep;141(9):996–9

Neutrophil recruitment and degranulation during induction of emphysema in the rat by nitrogen dioxide. Glasgow JE, et al. **Am Rev Respir Dis** 1987 May;135(5):1129–36

Pulmonary vascular structural and functional changes in papain-induced emphysema in dogs. Rubin LJ, et al. **Am Rev Respir Dis** 1987 Sep;136(3):704–9

Effect of low-level NO2 chronic exposure on elastase-induced emphysema. Lafuma C, et al. **Environ Res** 1987 Jun;43(1):75–84

[Multiple stress of the lung: the emphysema model induced by elastase] Reichart E. **Agressologie** 1986 Nov; 27(10):825–8 (Eng. Abstr.) **(Fre)**

[Pulmonary emphysema induced by elastase: influence of the dose and effect of added collagenase] Reichart E, et al. **Pathol Biol (Paris)** 1987 Apr;35(4):362–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Pulsed Doppler diagnosis of cerebral air embolus in a baby with pulmonary interstitial emphysema [letter] Grant J, et al. **Lancet** 1986 Oct 25;2(8513):983–4

Infectious interstitial emphysema in AIDS. Krueger JJ, et al. **NJ Med** 1987 Jul;84(7):489–91

Idiopathic spontaneous pneumothorax and fitness for flying. Fuchs HS. **Riv Med Aeronaut Spaz** 1984 Oct–Dec; 51(4):43–60

[Trans-parieto-hepatic drainage. A rare complication] Dell'Osso A, et al. **Minerva Chir** 1987 May 15;42(9):815–9 (Eng. Abstr.) **(Ita)**

[Our experience in the treatment of persistent spontaneous pneumothorax] Ratto GB, et al. **Minerva Chir** 1987 Mar 31;42(6):483–8 (Eng. Abstr.) **(Ita)**

[alpha 1-Antitrypsin deficiency with pulmonary emphysema, small cell lung cancer and marked elevation of serum lactic dehydrogenase level: a case report] Okazaki N, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1629–37 **(Jpn)**

CONGENITAL

Persistent interstitial pulmonary emphysema. Valentín LI, et

al. **Bol Asoc Med PR** 1986 Jun;78(6):259–60

Ventilation scintigraphy with submicronic radioaerosol as an adjunct in the diagnosis of congenital lobar emphysema. Loewy J, et al. **J Nucl Med** 1987 Jul;28(7):1213–7

[Various cases of congenital lobar emphysema] Cataldo F, et al. **Pediatr Med Chir** 1986 Mar–Apr;8(2):275–7 (Eng. Abstr.) **(Ita)**

[Results of surgical treatment of congenital lobar pulmonary emphysema] Korolev BA, et al. **Grudn Khir** 1986 Jul–Aug; (4):42–5 (Eng. Abstr.) **(Rus)**

[Developmental defects of the lungs in children] Novokreshchenov LB, et al. **Grudn Khir** 1987 Mar–Apr; (2):50–5 (Eng. Abstr.) **(Rus)**

[Congenital lobar emphysema] Milović I, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1019–25 (Eng. Abstr.) **(Sec)**

DIAGNOSIS

Lung bullae with air–fluid levels. Peters JI, et al. **Am J Med** 1987 Apr;82(4):759–63

The predictors of emphysema in South African gold miners. Becklake MR, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1234–41

The National Institutes of Health Intermittent Positive Pressure Breathing trial—pathology studies. III. The diagnosis of emphysema. West WW, et al. **Am Rev Respir Dis** 1987 Jan;135(1):123–9

Differentiation of poor R wave progression of old anteroseptal myocardial infarction from that due to emphysema. Mittal SR, et al. **Int J Cardiol** 1986 Oct; 13(1):92–4

Pulmonary emphysema in a neonate with Marfan syndrome. Day DL, et al. **Pediatr Radiol** 1986;16(6):518–21

[Criteria in the diagnosis of chronic obstructive emphysema] Wu S. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):325–8, 381 (Eng. Abstr.) **(Chi)**

[Macleod's syndrome—new diagnostic potentials] Tukiainen H, et al. **Duodecim** 1987;103(1):37–41 **(Fin)**

DRUG THERAPY

Ipratropium bromide in chronic bronchitis/emphysema. A review of the literature. Lakshminarayan S. **Am J Med** 1986 Nov 14;81(5A):76–80 (12 ref.)

Potential benefits from caffeine consumption in patients with pulmonary emphysema. Sturani C, et al. **Eur J Respir Dis [Suppl]** 1986;146:557–63

Inhibitors of leukocyte elastase and leukocyte cathepsin G. Agents for the treatment of emphysema and related ailments. Groutas WC. **Med Res Rev** 1987 Apr–Jun; 7(2):227–41 (121 ref.)

Replacement therapy for alpha 1-antitrypsin deficiency associated with emphysema. Wewers MD, et al. **N Engl J Med** 1987 Apr 23;316(17):1055–62

Perspectives of antioxidant treatment of emphysema with N-acetylcysteine. Proceedings of a satellite symposium to the 4th congress of the European Society of Pneumology (SEP), Stresa, September 27, 1985. **Respiration** 1986;50 Suppl 1:1–73

ENZYMOLOGY

The proteinase–antiproteinase theory of emphysema: time for a reappraisal? Morrison HM. **Clin Sci** 1987 Feb;72(2):151–8 (80 ref.)

Investigations into the biochemical mechanisms of pulmonary emphysema: effects of cigarette smoke on enzymes and anti-enzymes in the lung. Janoff A. **Respiration** 1986;50 Suppl 1:13–25 (47 ref.)

Elastase inhibitors of sputum sol phase: variability, relationship to neutrophil elastase inhibition, and effect of corticosteroid treatment. Stockley RA, et al. **Thorax** 1986 Jun;41(6):442–7

[Clinical study of the correlation between partial antitrypsin deficiency and juvenile pulmonary emphysema] Tarján E, et al. **Orv Hetil** 1986 Sep 28;127(39):2369–74 (Eng. Abstr.) **(Hun)**

ETIOLOGY

Pulmonary emphysema: current concepts of pathogenesis. Weissler JC. **Am J Med Sci** 1987 Feb;293(2):125–38

Pulmonary emphysema in a nonsmoking patient with Salla disease. Pääkkö P, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):979–82

Infantile lobar emphysema. Berlinger NT, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):106–11 (18 ref.)

Bronchitis and emphysema: importance of environmental factors and prevention. Robalo-Cordeiro AJ. **Eur J Respir Dis [Suppl]** 1986;146:99–107 (44 ref.)

Experimental studies on emphysema and chronic bronchial injury. Snider GL. **Eur J Respir Dis [Suppl]** 1986;146:17–35 (70 ref.)

Augmentation of elastase-induced emphysema by cigarette smoke: effects of reducing tar and nicotine content. Diamond L, et al. **J Toxicol Environ Health** 1987; 20(3):287–301

Pathogenesis of pulmonary emphysema. Flenley DC. **Q J Med** 1986 Oct;61(234):901–9 (55 ref.)

[Pathogenesis and surgical treatment of bullous emphysema] Baranețchi C, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep; 35(3):243–9 (Eng. Abstr.) **(Rum)**

[Pulmonary emphysema, liver cirrhosis and primary hepatocarcinoma in alpha 1-antitrypsin deficiency (editorial)] Arias Vallejo E. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):521 **(Spa)**

FAMILIAL & GENETIC

[Familial primary diffuse interstitial pulmonary fibrosis with bullous emphysema (letter)] Ostinelli J, et al. **Presse Med** 1986 Jul 5–12;15(27):1285–6 **(Fre)**

HISTORY

The death of Samuel Johnson, L.L.D. A clinicopathologic conference. Markel H. **Am J Med** 1987 Jun;82(6):1203–7

IMMUNOLOGY

The effect of SO2 on the clearance of Listeria monocytogenes from the lungs of emphysematous hamsters. Trimpe KL, et al. **Environ Res** 1986 Oct;41(1):351–6

METABOLISM

Lung lavage fluid from patients with alpha 1-proteinase inhibitor deficiency or chronic obstructive bronchitis: anti-elastase function and cell profile. Morrison HM, et al. **Clin Sci** 1987 Mar;72(3):373–81

alpha-1-Antitrypsin and the pathogenesis of emphysema. Stockley RA. **Lung** 1987;165(2):61–77 (100 ref.)

[Effect of atmospheric pollution by nitrogen dioxide on white rats with a model lung lesion] Basmadzhieva K, et al. **Eksp Med Morfol** 1986;25(3):32–7 (Eng. Abstr.) **(Bul)**

MORTALITY

Early pulmonary interstitial emphysema in the newborn: a grave prognostic sign. Heneghan MA, et al. **Clin Pediatr (Phila)** 1987 Jul;26(7):361–5

OCCURRENCE

Pulmonary interstitial emphysema in infants less than 1000 g at birth. Yu VY, et al. **Aust Paediatr J** 1986 Aug; 22(3):189–92

PATHOLOGY

Emphysema alters the deposition pattern of inhaled particles in hamsters. Sweeney TD, et al. **Am J Pathol** 1987 Jul; 128(1):19–28

[Effects of exposure to 0.20 ppm ozone for six weeks in emphysematous rats] Nambu Z, et al. **Sangyo Igaku** 1986 Jul;28(4):290–1 **(Jpn)**

PHYSIOPATHOLOGY

Central and peripheral airways as determinants of ventilatory function in patients with chronic bronchitis, emphysema, and bronchial asthma. Sasaki H, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1182–9

Correlation between lung structure and respiratory function in hamsters with experimental emphysema. Lorino AM, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug; 22(4):371–4

An emphysema model in rats treated intratracheally with elastase. Yokoyama E, et al. **Environ Res** 1987 Apr; 42(2):340–52

Contractile properties of expiratory abdominal muscles: effect of elastase-induced emphysema. Arnold JS, et al. **J Appl Physiol** 1987 Jun;62(6):2314–9

[The role of neutrophils in the pathogenesis of chronic pulmonary emphysema] Vatrella A, et al. **Arch Monaldi** 1985 May–Aug;40(3–4):141–56 (Eng. Abstr.) **(Ita)**

[A case of Swyer-James syndrome: a study and review with special reference to the pathophysiology] Fujita A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1275–81 (Eng. Abstr.) **(Jpn)**

["Open mouth breathing" in chronic pulmonary emphysema] Hamada K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):93–8 (Eng. Abstr.) **(Jpn)**

[Effects of oxygen and nifedipine on hemodynamics in secondary pulmonary hypertension—chronic pulmonary emphysema and chronic lung tuberculosis] Hasebe N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):943–50 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Preventive therapy of emphysema: lessons from the elastase model [letter] Ganz T. **Am Rev Respir Dis** 1987 Apr; 135(4):984

Antiproteases and antioxidants: strategies for the pharmacologic prevention of lung destruction. Hubbard RC, et al. **Respiration** 1986;50 Suppl 1:56–73 (108 ref.)

[Experimental study of preventing elastase-induced emphysema by normal human serum] Zhou SW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):365–8, 384 (Eng. Abstr.) **(Chi)**

PSYCHOLOGY

Socio-economic causes and consequences of chronic bronchitis and emphysema: an overview. Pannier R. **Eur J Respir Dis [Suppl]** 1986;146:77–85 (13 ref.)

RADIOGRAPHY

Role of conventional chest radiography in diagnosis and exclusion of emphysema. Pratt PC. **Am J Med** 1987 May; 82(5):998–1006 (40 ref.)

Conventional chest films can reveal emphysema, but not COPD [editorial] Pratt PC. **Chest** 1987 Jul;92(1):8

CT in the qualitative assessment of emphysema. Bergin CJ, et al. **J Thorac Imaging** 1986 Mar;1(2):94–103

Pulmonary hyperinflation and emphysema in infants with the Marfan syndrome. Dominguez R, et al. **Pediatr Radiol** 1987; 17(5):365–9

Bullous lesions detected by computed tomography. Watanabe K, et al. **Radiat Med** 1986 Oct–Dec;4(4):119–23

[Asymptomatic giant emphysematous bulla of the lung] Scholz A, et al. **ROFO** 1986 Nov;145(5):606–8 **(Ger)**

SURGERY

High-frequency jet ventilation for resection of congenital lobar emphysema. Goto H, et al. **Anesth Analg** 1987 Jul; 66(7):684–6

Sequential one-lung ventilation for bilateral bullectomy. Benumof JL. **Anesthesiology** 1987 Aug;67(2):268–72

Surgical management of neonatal interstitial emphysema. Zerella JT, et al. **J Pediatr Surg** 1987 Jan;22(1):34–7

Patient work-up for bullectomy. Gaensler EA, et al. **J Thorac Imaging** 1986 Mar;1(2):75–93

[Case of bilateral pulmonary dystrophy operated on at the Dakar General Hospital] Berthelemy P, et al. **Med Trop (Mars)** 1987 Apr–Jun;47(2):181–3 (Eng. Abstr.) **(Fre)**

[Neonatal bilateral interstitial emphysema. Surgical treatment. Apropos of 1 case] Gallet S, et al. **Pediatrie** 1986 Dec;41(8):647–52 (Eng. Abstr.) **(Fre)**

[Surgical treatment of pulmonary emphysema in adults] Merlier M, et al. **Presse Med** 1986 Sep 6;15(28):1305–6 **(Fre)**

[Evaluation of the efficacy of the surgical treatment of panlobular emphysema] Brochard L, et al. **Rev Mal Respir** 1986;3(4):187–94 (Eng. Abstr.) **(Fre)**

[Large bullous lung emphysema—diagnosis, therapeutic indications, therapeutic success] Petro W, et al. **Prax Klin Pneumol** 1987 Jan;41(1):3–10 **(Ger)**

[Surgical treatment of pulmonary emphysema] Putow NW, et al. **Z Erkr Atmungsorgane** 1986;167(1–2):168–71 (Eng. Abstr.) **(Ger)**

[Resection of the main, intermediate and lobar bronchi in a patient with cystic hypoplasia of the lung] Vishnevskii AA, et al. **Grudn Khir** 1987 May–Jun;(3):93–4 **(Rus)**

[Surgical treatment of bullous emphysema of the lungs] Vishnevskii AA, et al. **Sov Med** 1987;(6):33–6 (56 ref.) **(Rus)**

THERAPY

Nutritional intervention in malnourished patients with emphysema. Wilson DO, et al. **Am Rev Respir Dis** 1986 Oct;134(4):672–7

Endotracheal tube modification for therapy of right-sided pulmonary interstitial emphysema. DeWitte DB, et al. **Clin Pediatr (Phila)** 1986 Dec;25(12):626–8

Pulmonary interstitial emphysema treated by high-frequency oscillatory ventilation. Clark RH, et al. **Crit Care Med** 1986 Nov;14(11):926–30

Recent advances in chronic bronchitis and emphysema: a personal view. Flenley DC. **Eur J Respir Dis [Suppl]** 1986; 146:7–15 (65 ref.)

High-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study. Gaylord MS, et al. **Pediatrics** 1987 Jun;79(6):915–21

Neonatal tension pulmonary interstitial emphysema in bronchopulmonary dysplasia: treatment with lateral decubitus positioning. Schwartz AN, et al. **Radiology** 1986 Nov;161(2):351–4

[Clinical application of the lines of latent propagating sensation and low impedance along channels in the treatment of emphysema] Hao JK, et al. **Chen Tzu Yen Chiu** 1987;12(1):86 **(Chi)**

PULMONARY EOSINOPHILIA

BLOOD

Studies on circadian periodicity of plasma 17-hydroxycorticosteroids (17-OHCS) in tropical pulmonary eosinophilia. Singh RK, et al. **Prog Clin Biol Res** 1987;227B:285–94

Circadian variations of the absolute eosinophil count and serum histaminase activity in tropical pulmonary eosinophilia. Singh RK, et al. **Trop Geogr Med** 1987 Jan; 39(1):49–52

CHEMICALLY INDUCED

Loeffler's syndrome: an uncommon adverse reaction to imipramine. Amsterdam JD. **Int Clin Psychopharmacol** 1986 Jul;1(3):260–2

Pulmonary eosinophilia associated with naproxen therapy. Flint KC, et al. **J R Soc Med** 1987 Feb;80(2):120–1

[Salazosulfapyridine responsible of eosinophilic pneumonia (letter)] Penalba C, et al. **Presse Med** 1987 Jan 24;16(2):80 **(Fre)**

COMPLICATIONS

Eosinophilic enteritis associated with chronic eosinophilic pneumonia. Marnocha KE, et al. **Am J Gastroenterol** 1986 Dec;81(12):1205–8

Asthma, eosinophilic pleuropneumonia, and pericarditis without vasculitis. Van den Bosch JM, et al. **Thorax** 1986 Jul;41(7):571–2

[A case of Carrington's chronic eosinophilic pneumonia associated with bronchocentric granulomatosis in an asthmatic patient] Berthier A, et al. **Rev Pneumol Clin** 1986; 42(3):160–3 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The antigen that was heard but not 'seen'. Duncan SR, et al. **Hosp Pract [Off]** 1987 Feb 15;22(2):226–8, 232

Circulating parasite antigen(s) in lymphatic filariasis: use of monoclonal antibodies to phosphocholine for immunodiagnosis. Lal RB, et al. **J Immunol** 1987 May 15; 138(10):3454–60

Tropical pulmonary eosinophilia. A clinical study. Gopinathan VP. **Med J Aust** 1983 Jan 22;1(2):69–72

[Eosinophilic lung in children] Paty E, et al. **Arch Fr Pediatr** 1986 Apr;43(4):243–8 (Eng. Abstr.) **(Fre)**

[Idiopathic eosinophilic pneumopathies] Gilbert P, et al. **Rev Med Brux** 1986 Dec;7(10):601–11 (Eng. Abstr.) **(Fre)**

[Recurrent eosinophilic pneumonia. Bibliographical review, nosographic, pathogenetic and unitary setting reflections on the disease] Curiale B. **Minerva Med** 1987 Apr 15; 78(7):441–61 (Eng. Abstr.) **(Ita)**

[A rare case of the meningoencephalitis form of the Loeffler syndrome] Ambalov IuM, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):190–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pulmonary eosinophilia in coccidioidal infections. Lombard CM, et al. **Chest** 1987 May;91(5):734–6

[Long-term leukemoid reaction of the eosinophilic type] Arakcheev AI, et al. **Gematol Transfuziol** 1987 Jun; 32(6):58–60 **(Rus)**

[A case of eosinophilic pneumonia in a patient with chronic opisthorchiasis] Beloborodova EI, et al. **Klin Med (Mosk)** 1986 Dec;64(12):109–10 **(Rus)**

[Eosinophilic pneumonia due to an Opisthorchis invasion] Strelis AK, et al. **Vrach Delo** 1987 Mar;(3):53–5 **(Rus)**

IMMUNOLOGY

[Clinical and allergological studies on the PIE syndrome of unknown cause—significance of precipitating antibodies against fungi] Kino T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):668–74 (Eng. Abstr.) **(Jpn)**

METABOLISM

PGE2 and PGF2 alpha content in bronchoalveolar lavage fluid obtained from patients with eosinophilic pneumonia. Ogushi F, et al. **Chest** 1987 Feb;91(2):204–6

PATHOLOGY

Electron microscopy of chronic eosinophilic pneumonia. Quinonez GE, et al. **Clin Invest Med** 1986 Nov;9(4):238–43

Bronchoalveolar lavage: a useful tool in the diagnosis of eosinophilic pneumonia. Greif J, et al. **Isr J Med Sci** 1986 Jun;22(6):479–80

Ultrastructural and immunohistochemical evidence for release of eosinophilic granules in vivo: cytotoxic potential in chronic eosinophilic pneumonia. Gonzalez EB, et al. **J Allergy Clin Immunol** 1987 May;79(5):755–62

Atypical presentation of tropical pulmonary eosinophilia [letter] Gupta HL, et al. **J Assoc Physicians India** 1986 Apr;34(4):306–7

Acute tropical pulmonary eosinophilia. Characterization of the lower respiratory tract inflammation and its response to therapy. Pinkston P, et al. **J Clin Invest** 1987 Jul; 80(1):216–25

[Bronchoalveolar lavage cell findings in patients with PIE syndrome—a suggestion concerning pathogenesis] Chihara J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1105–12 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Early correct diagnosis of chronic eosinophilic pneumonia is important] Hallerdal G. **Lakartidningen** 1986 Oct 15; 83(42):3524–5 **(Swe)**

SURGERY

[Late results of the surgical treatment of Löffler's parietal fibroplastic endocarditis] Arvay A, et al. **Orv Hetil** 1987 May 10;128(19):975–8 (Eng. Abstr.) **(Hun)**

PULMONARY FIBROSIS

Idiopathic pulmonary fibrosis. A rational clinical approach. Raghu G. **Chest** 1987 Jul;92(1):148–54 (21 ref.)

[Pulmonary fibrosis in children: diagnosis and therapy] Antolini I, et al. **Pediatr Med Chir** 1986 Sep–Oct; 8(5):675–82 (Eng. Abstr.) **(Ita)**

[Diffuse interstitial pneumonitis] Roncoroni AJ. **Medicina (B Aires)** 1986;46(1):113–8 **(Spa)**

BLOOD

Do indium 111-labeled polymorphonuclear leukocytes detect neutrophil-prominent, fibrosing lung disease in rats? Williams JH Jr, et al. **J Lab Clin Med** 1987 Jul;110(1):55–62

[Chemiluminescence of the blood serum of experimental animals exposed to polymetallic dust] Bezrukavnikova LM, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):48–51 **(Rus)**

CHEMICALLY INDUCED

Progressive pulmonary fibrosis complicating cyclophosphamide therapy. Stentoft J. **Acta Med Scand** 1987;221(4):403–7

Effects of a calmodulin inhibitor on bleomycin-induced lung inflammation in hamsters. Biochemical, morphometric, and bronchoalveolar lavage data. Nakashima JM, et al. **Am J Pathol** 1986 Sep;124(3):528–36

Aluminum-induced pulmonary fibrosis: do fibers play a role? Gilks B, et al. **Am Rev Respir Dis** 1987 Jul;136(1):176–9

Bronchoalveolar lavage procoagulant activity in bleomycin-induced lung injury in marmosets. Characterization and relationship to fibrin deposition and fibrosis. Idell S, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):124–33

Correlation of changes in pulmonary surfactant phospholipids with compliance in bleomycin-induced pulmonary fibrosis in the rat. Thrall RS, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):113–8

Chronic ammonium hydroxide exposure [letter] Kollef MH. **Ann Intern Med** 1987 Jul;107(1):118

Free-base cocaine use associated with bronchiolitis obliterans organizing pneumonia. Patel RC, et al. **Ann Intern Med** 1987 Aug;107(2):186–7

Alveolitis and haemolytic anaemia induced by azapropazone. Albazzaz MK, et al. **Br Med J [Clin Res]** 1986 Dec 13; 293(6561):1537–8

Prospective study on the dose relationship of mitomycin C-induced interstitial pneumonitis. Verweij J, et al. **Cancer** 1987 Aug 15;60(4):756–61 (23 ref.)

Pulmonary toxicity of lomustine [letter] Stone MD, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):786–7

Patients with rheumatoid arthritis and gold-induced pneumonitis express two high-risk major histocompatibility complex patterns. Partanen J, et al. **Chest** 1987 Aug; 92(2):277–81

Drug-induced pulmonary disease. Cooper JA Jr, et al. **Dis Mon** 1987 Feb;33(2):61–120 (180 ref.)

Amiodarone lung: pathologic findings in clinically toxic patients. Myers JL, et al. **Hum Pathol** 1987 Apr; 18(4):349–54

Pulmonary complications following methotrexate therapy. Phillips TJ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):373–5

Bleomycin-associated pulmonary fibrosis: rapidly fatal progression without chest radiotherapy. Dee GJ, et al. **J Surg Oncol** 1987 Jun;35(2):135–8

Recall of radiation pneumonitis after intrapleural administration of doxorubicin. Hill AB, et al. **Med J Aust** 1983 Jan 8;1(1):39–40

Nitrofurantoin-induced interstitial pulmonary fibrosis. Presentation and outcome. Robinson BW. **Med J Aust** 1983 Jan 22;1(2):72–6

Hard metal disease: a multidisciplinary evaluation of two cases. Fischbein A, et al. **NY State J Med** 1986 Nov; 86(11):600–3

Erythroderma and pneumonitis induced by penicillin? Wengrower D, et al. **Respiration** 1986;50(4):301–3

Fatal pulmonary fibrosis from low-dose bleomycin therapy. Bechard DE, et al. **South Med J** 1987 May;80(5):646–9

Multiple system reaction to trimethoprim-sulfamethoxazole. Payne FE Jr, et al. **South Med J** 1987 Feb;80(2):275–6

Chlorambucil induced pulmonary fibrosis: report of a case and review. Carr ME Jr. **Va Med** 1986 Nov;113(11):677–80 (26 ref.)

[Pneumopathy caused by amiodarone. An often unrecognized iatrogenic entity] Bensaid J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Jun;36(6):307–12 (Eng. Abstr.) **(Fre)**

[Nephrotic syndrome and multivisceral manifestations in a patient treated with amiodarone (letter)] Moreau X, et al. **Ann Med Interne (Paris)** 1986;137(7):603–4 **(Fre)**

[Interstitial pneumopathies during amiodarone treatment. Determination of serum amiodarone, typing of lymphocytes from bronchiolo-alveolar lavage] Meurice JC, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1074–80 (Eng. Abstr.) **(Fre)**

[Drug-induced allergic alveolitis and Parsonage-Turner syndrome in a patient treated with labetalol (letter)] Vacher D, et al. **Presse Med** 1987 Mar 28;16(11):539–40 **(Fre)**

[Busulfan-induced pneumopathy] Massin F, et al. **Rev Mal Respir** 1987;4(1):3–10 (Eng. Abstr.) **(Fre)**

[Intralysosomal granules in bronchial cells and ingestion of amiodarone. Apropos of a case of interstitial pneumonia (letter)] Huet C, et al. **Rev Pneumol Clin** 1986;42(6):312–3 **(Fre)**

[Alveolar-capillary block associated with a prolonged treatment with chlorambucil (letter)] Andrejak M, et al. **Therapie** 1986 Jul–Aug;41(4):316–7 **(Fre)**

[Hydroxyquinoline-induced interstitial pneumopathy (letter)] Banzet ML, et al. **Therapie** 1986 Jul–Aug;41(4):317–8 **(Fre)**

[Busulfan-induced pulmonary fibrosis. Apropos of 1 case (letter)] Guy C, et al. **Therapie** 1986 Jul–Aug;41(4):315–6 **(Fre)**

[Pulmonary fibrosis during treatment with bleomycin] Lerebours-Pigeonnière G, et al. **Therapie** 1986 Jul–Aug; 41(4):289–92 (Eng. Abstr.) **(Fre)**

[Lung injury following mitomycin C (letter)] **Dtsch Med Wochenschr** 1987 May 1;112(18):742 **(Ger)**

[Paraquat-induced pulmonary fibrosis (letter)] Michaelsen A, et al. **Dtsch Med Wochenschr** 1987 Jul 10; 112(28–29):1149–50 **(Ger)**

[Raynaud syndrome and changes in lung function as sequelae of cytostatic therapy of testicular tumors] Creutzig A, et al. **Med Klin** 1987 Feb 27;82(4):131–4 (Eng. Abstr.) **(Ger)**

[Danger of false cytologic interpretation in cytostatic pneumopathy] Hartmann CA, et al. **Prax Klin Pneumol** 1987 Jun;41(6):223–6 (Eng. Abstr.) **(Ger)**

[Pulmonary microlithiasis following iodine lipiodol lymphography?] Tiedjen KU, et al. **Radiologe** 1986 Oct; 26(10):460–3 (Eng. Abstr.) **(Ger)**

[Pulmonary fibrosis following instillation of mitomycin C in the urinary bladder] Neubauer H, et al. **Urologe [A]** 1987 Jan;26(1):41–3 (Eng. Abstr.) **(Ger)**

[Pulmonary fibrosis caused by glue inhalation (sniffing)? (letter)] Czirják L, et al. **Orv Hetil** 1986 Nov 30; 127(48):2971 **(Hun)**

[Pneumonitis caused by amiodarone. Description of a case and review of the literature] Bolognesi R, et al. **Cardiologia** 1987 May;32(5):497–502 (Eng. Abstr.) **(Ita)**

[An ultrastructural study of paraquat-induced intra-alveolar fibrosis of the lung] Suzuki H. **Nippon Ika Daigaku Zasshi** 1987 Apr;54(2):184–92 (Eng. Abstr.) **(Jpn)**

[T-lymphocytosis and lymphokines in bronchoalveolar lavage fluid of a gold salt-induced pneumonitis] Ikeda S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1258–65 (Eng. Abstr.) **(Jpn)**

[A case of minocycline-induced pneumonitis] Kuroki H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):553–7 (Eng. Abstr.) **(Jpn)**

[A case of distal type of renal tubular acidosis associated with chrysotherapy] Oochi N, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1256–61 **(Jpn)**

[Serious adverse effects of methysergide] Hansen G, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2160–2 (Eng. Abstr.) **(Nor)**

[Pneumonitis and pulmonary fibrosis due to amiodarone. Report of 2 cases with optic and electronic microscopy] Lunardi W, et al. **Arq Bras Cardiol** 1986 Jun;46(6):415–9 (Eng. Abstr.) **(Por)**

[Pneumonitis as a consequence of gold therapy] Skralovnik-Stern A, et al. **Plucne Bolesti** 1986 Jul–Dec; 38(3–4):248–52 (Eng. Abstr.) **(Scr)**

[Pulmonary toxicity associated with the use of amiodarone] López AM, et al. **Medicina (B Aires)** 1986;46(4):400–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Diffuse interstitial pulmonary fibrosis and lung cancer. Kawai T, et al. **Acta Pathol Jpn** 1987 Jan;37(1):11–9

Pulmonary hypertension and interstitial fibrosis in von Recklinghausen neurofibromatosis. Porterfield JK, et al. **Am J Med Genet** 1986 Nov;25(3):531–5

A comparison of bronchiolitis obliterans with organizing pneumonia, usual interstitial pneumonia, and small airways disease. Guerry-Force ML, et al. **Am Rev Respir Dis** 1987 Mar;135(3):705–12

Polyclonal polymorphic B-cell lymphoproliferative disorder with prominent pulmonary involvement in children with acquired immune deficiency syndrome. Joshi VV, et al. **Cancer** 1987 Apr 15;59(8):1455–62

Granuloma formation and fibrosis in sarcoidosis. Arnoux AG, et al. **Clin Dermatol** 1986 Oct–Dec;4(4):22–34 (84 ref.)

Desquamative interstitial pneumonitis and alveolar lipoproteinosis: diagnostic difficulties and therapy problems with an infant. Schneider K, et al. **Eur J Pediatr** 1986 Dec; 145(6):575–8

Steroid responsive fibrosing alveolitis in myasthenia gravis. Knox AJ, et al. **Eur J Respir Dis** 1987 Aug;71(2):132–4

Collagenous colitis and pulmonary fibrosis. Manifestations of a single disease? Wiener MD. **J Clin Gastroenterol** 1986 Dec;8(6):677–80

Sjögren's syndrome: severe upper airways obstruction due to primary malignant tracheal lymphoma developing during successful treatment of lymphocytic interstitial pneumonitis. Kamholz S, et al. **J Rheumatol** 1987 Jun; 14(3):588–94

Interstitial lung disease in dermatomyositis: clinicopathological study. Takizawa H, et al. **J Rheumatol** 1987 Feb;14(1):102–7

Traction bronchiectasis in end-stage pulmonary fibrosis. Westcott JL, et al. **Radiology** 1986 Dec;161(3):665–9

Pulmonary fibrosis in rheumatoid arthritis: a review of clinical features and therapy. Roschmann RA, et al. **Semin Arthritis Rheum** 1987 Feb;16(3):174–85 (49 ref.)

[Dermatomyositis, cutaneous necrosis and pulmonary fibrosis. A new entity or a fortuitous association? (letter)] Basset N, et al. **Presse Med** 1987 Jun 27;16(25):1243 **(Fre)**

[Dermatomyositis with pulmonary fibrosis, renal neoplasm and anti-Toxoplasma antibodies. Apropos of a case. Review of the literature] Ristori JM, et al. **Rev Rhum Mal Osteoartic** 1986 Oct;53(10):535–8 **(Fre)**

[Our experience in the treatment of persistent spontaneous pneumothorax] Ratto GB, et al. **Minerva Chir** 1987 Mar 31;42(6):483–8 (Eng. Abstr.) **(Ita)**

[An autopsy case of lymphoid interstitial pneumonia with monoclonal gammopathy] Nakano S, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):201–7 (Eng. Abstr.) **(Jpn)**

[A case of coexistence of interstitial pulmonary fibrosis and primary biliary cirrhosis] Izdebska-Makosa Z. **Pneumonol Pol** 1986 Jun;54(6):255–9 (Eng. Abstr.) **(Pol)**

CONGENITAL

[Congenital obliterating bronchiolitis (report on the diagnosis of the disease in 2 late abortions)] Peckholz I, et al. **Zentralbl Allg Pathol** 1986;132(4):329–33 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Serum type III procollagen peptide: indicator for pulmonary fibrosis: II. Application in 80 asbestos insulation workers. Okazaki I, et al. **Am J Ind Med** 1987;11(4):439–46

Orthodeoxia: a new finding in interstitial fibrosis. Tenholder MF, et al. **Am Rev Respir Dis** 1987 Jul;136(1):170–3

Cryptogenic fibrosing alveolitis in children. Chetty A, et al. **Ann Allergy** 1987 May;58(5):336–40

The eosinophil in idiopathic pulmonary fibrosis [editorial] Libby DM. **Chest** 1987 Jul;92(1):7–8

Proton magnetic resonance imaging to stage activity of interstitial lung disease. McFadden RG, et al. **Chest** 1987 Jul;92(1):31–9

Prognostic role of eosinophils in pulmonary fibrosis. Peterson MW, et al. **Chest** 1987 Jul;92(1):51–6

CT of the lung parenchyma and the pulmonary function test. Sider L, et al. **Chest** 1987 Sep;92(3):406–10

Dermatomyositis and pulmonary fibrosis associated with anti-Jo-1 antibody. Phillips TJ, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):381–2

Acute interstitial pneumonitis [clinical conference] Blake RL Jr, et al. **J Fam Pract** 1987 Mar;24(3):243–8

Quantitation of human cytomegalovirus DNA in lungs from bone marrow transplant recipients with interstitial pneumonia. Churchill MA, et al. **J Infect Dis** 1987 Mar; 155(3):501–9

Serum type III procollagen peptide: indicator for pulmonary fibrosis. I. A tool for early detection of pulmonary fibrosis as a complication in cancer therapy. Okazaki I, et al. **Keio J Med** 1986 Jun;35(2):107–15

Analysis of homogeneity of alveolitis in pulmonary sarcoidosis by bilateral bronchoalveolar lavage, gallium-67 lung uptake, and chest radiograph. Staton GW Jr, et al. **Sarcoidosis** 1987 Mar;4(1):8–12

[Idiopathic fibrosing alveolitis in a 4-year-old boy] Jensen JS. **Ugeskr Laeger** 1986 Oct 6;148(41):2631–2 (Eng. Abstr.) **(Dan)**

[Importance of cellular data from broncho-alveolar lavage in interstitial pulmonary pathology] Basset F, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):525–9 (Eng. Abstr.) **(Fre)**

[Technic and method of broncho-alveolar lavage in interstitial lung diseases] Costabel U. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1238–44 (Eng. Abstr.) **(Ger)**

[Evaluation of remaining performance capacity in patients with alveolitis and pulmonary fibrosis] Pielesch W, et al. **Z Erkr Atmungsorgane** 1987;168(1):89–94 (Eng. Abstr.) **(Ger)**

[Early detection of fibrosing alveolitis in collagenoses] Petermann W. **Z Rheumatol** 1986 Sep-Oct;45(5):267–70 (Eng. Abstr.) **(Ger)**

[Clinical value of diagnostic bronchoalveolar lavage in diffuse diseases of the lungs] Khomenko AG, et al. **Probl Tuberk** 1987;(1):22–7 (Eng. Abstr.) **(Rus)**

[Exogenous and idiopathic alveolitis as the object of a clinico-functional study] Nefedov VB, et al. **Probl Tuberk** 1986;(10):53–6 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of fibrosing alveolitis] Khomenko AG, et al. **Ter Arkh** 1987;59(3):71–5 **(Rus)**

[A 69-year-old woman with fever, cough and recurrent pulmonary infiltrations (clinical conference)] Marco V, et al. **Med Clin (Barc)** 1986 Sep 27;87(9):383–90 **(Spa)**

DRUG THERAPY

Pharmacologic suppression of the neutrophil component of the alveolitis in idiopathic pulmonary fibrosis. O'Donnell K, et al. **Am Rev Respir Dis** 1987 Aug;136(2):288–92

Chloroquine treatment in desquamative interstitial pneumonia. Springer C, et al. **Arch Dis Child** 1987 Jan; 62(1):76–7

D-penicillamine treatment of lung involvement in patients with systemic sclerosis (scleroderma). Medsger TA Jr. **Arthritis Rheum** 1987 Jul;30(7):832–4

High-dose intravenous methylprednisolone pulse therapy as initial treatment in cryptogenic fibrosing alveolitis. A pilot study. Gulsvik A, et al. **Respiration** 1986;50(4):252–7

[Protective effect of dan-shen on bleomycin A5-induced lung fibrosis in mice] Chen XY. **Chung Yao Tung Pao** 1987 Feb;12(2):46–8 **(Chi)**

[Pharmacokinetics of prednisolone in patients with respiratory diseases] Abe M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):25–31 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Neutrophil collagenase in rheumatoid interstitial lung disease. Weiland JE, et al. **J Appl Physiol** 1987 Feb;62(2):628–33

ETIOLOGY

Asbestosis: interstitial pulmonary fibrosis and pleural fibrosis in a cohort of asbestos insulation workers: influence of cigarette smoking. Lilis R, et al. **Am J Ind Med** 1986; 10(5–6):459–70

Primary Sjögren's syndrome with diffuse cerebral vasculitis and lymphocytic interstitial pneumonitis. Ferreiro JE, et al. **Am J Med** 1987 Jun;82(6):1227–32

Asbestos exposure and retention as determinants of airway disease and asbestos alveolitis. Bégin R, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1176–81

Cytokine regulation of lung fibroblast proliferation. Pulmonary and systemic changes in asbestos-induced pulmonary fibrosis. Lemaire I, et al. **Am Rev Respir Dis** 1986 Oct;134(4):653–8

Respiratory bronchiolitis causing interstitial lung disease. A clinicopathologic study of six cases. Myers JL, et al. **Am Rev Respir Dis** 1987 Apr;135(4):880–4

Pulmonary interstitial fibrosis induced in hapten-immune hamsters. Stein-Streilein J, et al. **Am Rev Respir Dis** 1987 Jul;136(1):119–23

Nonspecific interstitial pneumonitis: a common cause of pulmonary disease in the acquired immunodeficiency syndrome. Suffredini AF, et al. **Ann Intern Med** 1987 Jul; 107(1):7–13

Giant cell pneumonia caused by parainfluenza type 3 in a patient with acute myelomonocytic leukemia. Weintrub PS, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):569–70

D-penicillamine therapy and interstitial lung disease in scleroderma. A long-term followup study. de Clerck LS, et al. **Arthritis Rheum** 1987 Jun;30(6):643–50

Determinants of pulmonary fibrosis and lipidosis in the silica model. Heppleston AG. **Br J Exp Pathol** 1986 Dec; 67(6):879–88

Enhanced lipid peroxidation and lysosomal enzyme activity in the lungs of rats with prolonged pulmonary deposition of crocidolite asbestos. Jajte J, et al. **Br J Ind Med** 1987 Mar;44(3):180–6

Metastatic interstitial pneumonitis after autologous bone marrow transplantation. A consequence of reinjection of malignant cells? Glorieux P, et al. **Cancer** 1986 Nov 1; 58(9):2136–9

Pulmonary fibrosis following pneumonia due to acute Legionnaires' disease. Clinical, ultrastructural, and immunofluorescent study. Chastre J, et al. **Chest** 1987 Jan; 91(1):57–62

Pulmonary involvement in systemic sclerosis. Association with anti-Scl 70 antibody and digital pitting. Manoussakis MN, et al. **Chest** 1987 Sep;92(3):509–13

Lymphocytic interstitial pneumonia in patients at risk for the acquired immune deficiency syndrome. Morris JC, et al. **Chest** 1987 Jan;91(1):63–7

Diffuse lung fibrosis due to fibrous zeolite (erionite) exposure. Baris YI, et al. **Eur J Respir Dis** 1987 Feb;70(2):122–5

Pathogenesis of pulmonary fibrosis [letter] Burkhardt A. **Hum Pathol** 1986 Sep;17(9):971–3

Lung damage following bone marrow transplantation: II. The contribution of cyclophosphamide. Varekamp AE, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1515–21

Response of mouse lung to crocidolite asbestos. 1. Minimal fibrotic reaction to short fibres. Adamson IY, et al. **J Pathol** 1987 Jun;152(2):99–107

Response of mouse lung to crocidolite asbestos. 2. Pulmonary fibrosis after long fibres. Adamson IY, et al. **J Pathol** 1987 Jun;152(2):109–17

Cytomegalovirus immune bone-marrow donors and interstitial pneumonitis [letter] Ringdén O, et al. **Lancet** 1987 Jul 11;2(8550):105–6

Fat embolization and pulmonary infiltrates after bone marrow transplantation. Lipton JH, et al. **Med Pediatr Oncol** 1987; 15(1):24–7

AIDS. Case for diagnosis series, 1987. Anderson DW, et al. **Milit Med** 1987 May;152(5):M25–32

Interstitial pneumonitis due to leukaemic cell necrosis. Carter JM, et al. **NZ Med J** 1986 Oct 8;99(811):754–6

An animal model of pulmonary radiation fibrosis with biochemical, physiologic, immunologic, and morphologic observations. Karvonen RL, et al. **Radiat Res** 1987 Jul; 111(1):68–80

Noncardiogenic pulmonary edema and pulmonary fibrosis in falciparum malaria. Feldman RM, et al. **Rev Infect Dis** 1987 Jan-Feb;9(1):134–9

Interstitial pneumonitis in canine visceral leishmaniasis. Duarte MI, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov-Dec;28(6):431–6

Risk factors for interstitial pneumonitis following allogeneic bone marrow transplantation for severe aplastic anemia: a preliminary report. Weiner RS, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2639–42

Interstitial pneumonitis following autologous bone marrow transplantation. Pecego R, et al. **Transplantation** 1986 Nov; 42(5):515–7

[Interstitial pneumonia and L-form bacterial septicemia] Xue WL, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):35–7, 63 (Eng. Abstr.) **(Chi)**

[Acute anuric renal failure caused by granulomatous interstitial infiltration disclosing sarcoidosis (letter)] Tanneau R, et al. **Ann Med Interne (Paris)** 1987;138(2):147 **(Fre)**

[Lymphocytic interstitial pneumopathy in AIDS-related complex. Presence of the LAV virus in the bronchoalveolar lavage fluid] Ziza JM, et al. **Presse Med** 1986 Jul 5–12;15(27):1267–9 (Eng. Abstr.) **(Fre)**

[Bioclinical conference in pneumology. Hôpital Laënnec. Case n. 4—February 1985. Interstitial pneumopathy associated with pulmonary infiltration by foamy macrophages] Clerici C, et al. **Rev Pneumol Clin** 1986; 42(6):300–5 **(Fre)**

[A rare complication of sarcoidosis: pulmonary cavitation] Cavallo A, et al. **Radiol Med (Torino)** 1987 Jun;73(6):589–90 **(Ita)**

[Influence of anesthesia and surgery on postoperative pulmonary complications in peplomycin-treated patients] Mizutani T, et al. **Masui** 1987 Feb;36(2):162–7 (Eng. Abstr.) **(Jpn)**

[Pulmonary involvement in progressive systemic sclerosis] Yoshimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1345–53 (Eng. Abstr.) **(Jpn)**

[Tumor lysis syndrome, DIC and interstitial pneumonia after treatment with prednisolone and melphalan in a patient with acute monocytic leukemia with tumor formation] Fukuda M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):553–8 (Eng. Abstr.) **(Jpn)**

[Interstitial pneumonia in leukemia patients after allogeneic bone marrow transplantation] Yamauchi T, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1361–8 (Eng. Abstr.) **(Jpn)**

[A case of sudden death due to cor pulmonale secondary to pulmonary fibrosis associated with polymyositis] Kurosawa M, et al. **Ryumachi** 1986 Jun;26(3):166–72 (Eng. Abstr.) **(Jpn)**

[Current theories on the role of fibronectin in the pathology of the respiratory system] Komorowska A, et al. **Pneumonol Pol** 1987 Feb;55(2):80–5 (40 ref.) **(Pol)**

[Interstitial pneumonia as the cause of death during treatment of small-cell lung cancer] Szczepek B, et al. **Pneumonol Pol** 1986 Nov;54(11):510–21 (Eng. Abstr.) **(Pol)**

[Fibrogenic activity of type Y zeolite and mordenite dusts] Fomina AS, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):17–9 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of dust formed during the secondary reprocessing of ferrous metals] Mikhailovskaia TN, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

[Late radiation injuries of lungs after combined therapy in breast cancer] Zo.ina LA, et al. **Med Radiol (Mosk)** 1986 Oct;31(10):33–7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Susceptibility to experimental interstitial lung disease is modified by immune- and non-immune-related genes. Rossi GA, et al. **Am Rev Respir Dis** 1987 Feb;135(2):448–55

[Familial primary diffuse interstitial pulmonary fibrosis with bullous emphysema (letter)] Ostinelli J, et al. **Presse Med** 1986 Jul 5–12;15(27):1285–6 **(Fre)**

IMMUNOLOGY

Detection of HTLV-III/LAV-specific IgG and antigen in bronchoalveolar lavage fluid from two patients with lymphocytic interstitial pneumonitis associated with AIDS-related complex. Resnick L, et al. **Am J Med** 1987 Mar;82(3):553–6

Expression of class II MHC antigens on alveolar epithelium in fibrosing alveolitis. Kallenberg CG, et al. **Clin Exp Immunol** 1987 Jan;67(1):182–90

Immunoregulation of lung fibroblast growth: alteration in asbestos-induced pulmonary fibrosis. Lemaire I, et al. **Clin Exp Immunol** 1986 Oct;66(1):201–8

Excessive helper T-cell function in patients with idiopathic pulmonary fibrosis: correlation with disease activity. Cathcart MK, et al. **Clin Immunol Immunopathol** 1987 Jun; 43(3):382–94

Interstitial lung disease as the presentation of anti-Jo-1 positive polymyositis. Nash P, et al. **Clin Rheumatol** 1987 Jun;6(2):282–6

Outcome of asbestos exposure (lung fibrosis and antinuclear antibodies) with respect to skin reactivity: an 8-year longitudinal study. Lange A, et al. **Environ Res** 1986 Oct; 41(1):1–13

Idiopathic pulmonary fibrosis associated with high-titer antibodies against nuclear ribonucleoprotein (nRNP): report of 3 cases. Pluss JL, et al. **J Am Osteopath Assoc** 1986 Nov;86(11):735–42

Expression of class II major histocompatibility complex antigens on alveolar epithelium in interstitial lung disease: relevance to pathogenesis of idiopathic pulmonary fibrosis. Kallenberg CG, et al. **J Clin Pathol** 1987 Jul;40(7):725–33

Suppressor T cell activity in lymphoid interstitial pneumonia. Majeski JA, et al. **J Surg Oncol** 1987 Jan;34(1):61–3

Diffuse interstitial lung disease in rheumatoid arthritis. Views on immunological and HLA findings. Hakala M, et al. **Scand J Rheumatol** 1986;15(4):368–76

[Comparative profile of antinuclear antibodies in Gougerot–Sjögren syndrome with and without diffuse interstitial pulmonary fibrosis] Barranquero–Beltrán A, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):615–9 (Eng. Abstr.) **(Fre)**

[Immuno–peroxidase study of Langerhans' cells in the normal and fibrotic respiratory system] Miyake H, et al. **Arerugi** 1986 Jul;35(7):475–80 (Eng. Abstr.) **(Jpn)**

[The differential cell counts of bronchoalveolar lavage fluid and interleukin 1 production by alveolar macrophages in patients with collagen–vascular diseases complicated with interstitial pneumonia] Sekimoto S, et al. **Arerugi** 1986 Sep; 35(9):968–74 (Eng. Abstr.) **(Jpn)**

[Immunomorphologic changes in idiopathic fibrosing alveolitis] Dvorakovskaia IV, et al. **Klin Med (Mosk)** 1987 Mar;65(3):76–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Biosynthesis of interstitial and basement membrane collagens in pulmonary fibrosis. Quinones F, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1163–71

Collagen synthesis in rats with silica–induced pulmonary fibrosis. Poole A. **Arch Toxicol [Suppl]** 1987;11:285–7

Ameliorating effect of murine interferon gamma on bleomycin–induced lung collagen fibrosis in mice. Giri SN, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):194–7

A molecular marker for fibrotic collagen in lungs of infants with respiratory distress syndrome. Reiser KM, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):16–21

Changes in collagen metabolism and proteinolysis after repeated inhalation exposure to ozone. Pickrell JA, et al. **Exp Mol Pathol** 1987 Apr;46(2):159–67

Increased synthesis of elastin in amiodarone–induced pulmonary fibrosis. Cantor JO, et al. **J Lab Clin Med** 1987 Apr;109(4):480–5

Growth factors in fibrotic diseases [editorial] Deuel TF, et al. **N Engl J Med** 1987 Jul 23;317(4):236–7

Exaggerated spontaneous release of platelet–derived growth factor by alveolar macrophages from patients with idiopathic pulmonary fibrosis. Martinet Y, et al. **N Engl J Med** 1987 Jul 23;317(4):202–9

Role of alveolar phospholipids in bleomycin–induced pulmonary fibrosis in the rat. Pozzi E, et al. **Respiration** 1987;51 Suppl 1:23–32

Analysis of bronchoalveolar lavage fluid from bleomycin–induced pulmonary fibrosis in hamsters. Giri SN, et al. **Toxicol Pathol** 1986;14(2):149–57

[Quantitative and qualitative analyses of inorganic dusts in idiopathic interstitial pneumonia (IIP)] Inoue M. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):745–54 (Eng. Abstr.) **(Jpn)**

[Superoxide production by neutrophils in patients with interstitial and other lung diseases] Kadota J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):977–84 (Eng. Abstr.) **(Jpn)**

[The role of fibronectin in the lower respiratory tract of patients with idiopathic insterstitial pneumonia] Yamamoto M. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):991–8 (Eng. Abstr.) **(Jpn)**

MORTALITY

Survey of the prognosis for dermatomyositis, with special reference to its association with malignancy and pulmonary fibrosis. Hidano A, et al. **J Dermatol (Tokyo)** 1986 Aug; 13(4):233–41

PATHOLOGY

Asbestos bodies in bronchoalveolar lavage fluid. A study of 20 asbestos–exposed individuals and comparison to patients with other chronic interstitial lung diseases. Roggli VL, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):470–6

Capillary remodeling in bleomycin–induced pulmonary fibrosis. Schraufnagel DE, et al. **Am J Pathol** 1986 Oct; 125(1):97–106

Extensive laminin and basement membrane accumulation occurs at the onset of bleomycin–induced rodent pulmonary fibrosis. Singer II, et al. **Am J Pathol** 1986 Nov; 125(2):258–68

Acute interstitial pneumonia [letter] Pratt PC, et al. **Am J Surg Pathol** 1987 Feb;11(2):156–7

Mast cells, atypical lymphocytes, and neutrophils in bronchoalveolar lavage in extrinsic allergic alveolitis. Comparison with other interstitial lung diseases. Haslam PL, et al. **Am Rev Respir Dis** 1987 Jan;135(1):35–47

The value of serial bronchoalveolar lavages in assessing the clinical progress of patients with cryptogenic fibrosing alveolitis. Turner–Warwick M, et al. **Am Rev Respir Dis** 1987 Jan;135(1):26–34

Idiopathic pulmonary fibrosis. Pretreatment bronchoalveolar lavage cellular constituents and their relationships with lung histopathology and clinical response to therapy. Watters LC, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):696–704

Pulmonary fibrosis in asbestos insulation workers with lung cancer: a radiological and histopathological evaluation. Kipen HM, et al. **Br J Ind Med** 1987 Feb;44(2):96–100

Hard metal lung disease: a clinical, histological, ultrastructural and X–ray microanalytical study. Anttila S, et al. **Eur J Respir Dis** 1986 Aug;69(2):83–94

Adult respiratory distress syndrome: evidence of early fibrogenesis and absence of glucocorticoid receptors. Auler Júnior JO, et al. **Eur J Respir Dis** 1986 Oct;69(4):261–9

Fibrotic reactions in the lung: the activation of the lung fibroblast. Goldstein RH, et al. **Exp Lung Res** 1986; 11(4):245–61 (137 ref.)

Rat monoclonal antibodies to mouse lung components for analysis of fibrosis. Kennel SJ, et al. **Exp Mol Pathol** 1987 Aug;47(1):110–24

Changes in lung morphology and cell number in radiation pneumonitis and fibrosis: a quantitative ultrastructural study. Vergara JA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):723–32

Oxidant–mediated epithelial cell injury in idiopathic pulmonary fibrosis. Cantin AM, et al. **J Clin Invest** 1987 Jun;79(6):1665–73

A monoclonal antibody to the carboxyterminal domain of procollagen type I visualizes collagen–synthesizing fibroblasts. Detection of an altered fibroblast phenotype in lungs of patients with pulmonary fibrosis. McDonald JA, et al. **J Clin Invest** 1986 Nov;78(5):1237–44

Alveolar macrophage/peripheral blood monocyte–derived factors modulate proliferation of primary lines of human lung fibroblasts. Jordana M, et al. **J Leukocyte Biol** 1987 Jul;42(1):51–60

A retrospective study of interstitial pneumonitis ('viral' pneumonia) as a cause of sudden and unexpected natural death. Yip DC, et al. **Med Sci Law** 1987 Apr;27(2):79–84

In vitro histamine release from bronchial biopsy. Baenkler HW, et al. **Prax Klin Pneumol** 1987 Feb;41(2):43–4

Morphological and ultrastructural changes of lung tissue in idiopathic fibrosing alveolitis. Dvorakovskaja JW. **Rev Ig [Pneumoftiziol]** 1987 Jan–Mar;36(1):79–84

Progressive dyspnoea with pulmonary infiltrates [clinical conference] Willcox PA, et al. **S Afr Med J** 1987 Jan 24; 71(2):100–6

Phenotypic analysis of alveolar macrophages in normal subjects and in patients with interstitial lung disease. Campbell DA, et al. **Thorax** 1986 Jun;41(6):429–34

Morphological characterization of basophilic cells in bronchoalveolar lavage fluids from patients with bronchial asthma and idiopathic pulmonary fibrosis. Shindoh Y, et al. **Tohoku J Exp Med** 1987 May;152(1):101–2

[Properties of inflammatory cells in broncho–alveolar lavage in pulmonary fibrosis] Dayer JM. **Schweiz Med Wochenschr** 1986 Sep 13;116(37):1245–9 (Eng. Abstr.) **(Fre)**

[Morphologic and clinical aspects of alveolitis] Lemke R. **Z Rechtsmed** 1987;98(1):57–63 (Eng. Abstr.) **(Ger)**

[Forensic pathological studies on autopsy of a patient who died after ingesting the liquid fertilizer Hyponex] Saito K, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):393–7 (Eng. Abstr.) **(Jpn)**

[A case report of hard metal lung with giant cell interstitial pneumonia] Wada M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):703–9 (Eng. Abstr.) **(Jpn)**

[A case of mixed dust fibrosis with lesions akin to idiopathic interstitial pneumonia] Yamaguchi E, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):685–91 (Eng. Abstr.) **(Jpn)**

[Interstitial lung diseases caused by immune disorders] Esipova IK, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):74–9 (33 ref.) (Eng. Abstr.) **(Rus)**

[Spontaneous pneumothorax in a man with rheumatoid arthritis (clinical conference)] **Medicina (B Aires)** 1985; 45(5):569–74 **(Spa)**

PHYSIOPATHOLOGY

The role of intraalveolar fibrosis in the process of pulmonary structural remodeling in patients with diffuse alveolar damage. Fukuda Y, et al. **Am J Pathol** 1987 Jan; 126(1):171–82

Gas exchange across abnormal interstitial tissue in pulmonary sarcoidosis—results of therapy. Demeter SL. **Angiology** 1987 Mar;38(3):256–67

Histamine levels in bronchoalveolar lavage from patients with asthma, sarcoidosis, and idiopathic pulmonary fibrosis. Rankin JA, et al. **J Allergy Clin Immunol** 1987 Feb; 79(2):371–7

On the significance of lung volume for the correct interpretation of lung function measurements [letter] Haluszka J. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):312–3

Ventilation and gas exchange during sleep in patients with interstitial lung disease. McNicholas WT, et al. **Thorax** 1986 Oct;41(10):777–82

[Evaluation of the usefulness of inductive plethysmograph (Respitrace) in the non–invasive monitoring of pulmonary ventilation (preliminary report)] Maszczyk Z, et al. **Pneumonol Pol** 1986 Oct;54(10):448–58 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Intravenous immune globulin for prevention of cytomegalovirus infection and interstitial pneumonia after bone marrow transplantation. Winston DJ, et al. **Ann Intern Med** 1987 Jan;106(1):12–8

Nitrosourea derivatives–induced pulmonary toxicity in patients treated for malignant brain tumors. Early subclinical detection and its prevention. Gaetani P, et al. **Eur J Cancer Clin Oncol** 1987 Mar;23(3):267–71

Effects of dietary fats on bleomycin–induced pulmonary fibrosis. Kennedy JI, et al. **Exp Lung Res** 1987;12(2):149–61

[Effects of dexamethason in preventing pulmonary fibrosis induced by bleomycin in the guinea pig] Liu XH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):369–70, 384 (Eng. Abstr.) **(Chi)**

RADIOGRAPHY

CT of interstitial lung disease: a diagnostic approach. Bergin CJ, et al. **AJR** 1987 Jan;148(1):9–15

Radiographic manifestations of bronchiolitis obliterans with organizing pneumonia vs usual interstitial pneumonia. Chandler PW, et al. **AJR** 1986 Nov;147(5):899–906

Nonspecific interstitial pneumonitis in patients with AIDS: radiologic features. Simmons JT, et al. **AJR** 1987 Aug; 149(2):265–8

Differentiation of radiation–induced fibrosis from recurrent pulmonary neoplasm by CT. Bourgouin P, et al. **J Can Assoc Radiol** 1987 Mar;38(1):23–6

Computed tomography in interstitial lung disease. Paltiel HJ, et al. **J Comput Tomogr** 1986 Oct;10(4):349–56

Computed tomography of the pulmonary parenchyma. Part 2: Interstitial disease. Zerhouni EA, et al. **J Thorac Imaging** 1985 Dec;1(1):54–64

Differential diagnosis of bronchiolitis obliterans with organizing pneumonia and usual interstitial pneumonia: clinical, functional, and radiologic findings. Müller NL, et al. **Radiology** 1987 Jan;162(1 Pt 1):151–6

Usual interstitial pneumonia: correlation of CT with clinical, functional, and radiologic findings. Staples CA, et al. **Radiology** 1987 Feb;162(2):377–81

Carcinoma of the prostate presenting as interstitial lung disease. Cohen O, et al. **Respiration** 1987;51(2):158–60

Computed tomography based estimates of regional gas and tissue volume of the lung in supine subjects with chronic airflow limitation or fibrosing alveolitis. Millar AB, et al. **Thorax** 1986 Dec;41(12):932–9

[Angiographic vascular findings in pulmonary fibrosis] Fisseler A, et al. **Prax Klin Pneumol** 1987 Jan;41(1):11–4 (Eng. Abstr.) **(Ger)**

[Interstitial pneumonia—significance of CT] Asakawa M, et al. **Kokyu To Junkan** 1987 Apr;35(4):399–404 **(Jpn)**

[Thoracic CT: comparative study of CT imaging of peripheral lung lesions with fixed lung specimens] Nishimura K, et al. **Rinsho Hoshasen** 1986 Oct; 31(11):1345–55 (16 ref.) **(Jpn)**

RADIONUCLIDE IMAGING

Semi–quantitative gallium–67 lung scanning as a measure of the intensity of alveolitis in pulmonary sarcoidosis. Duffy GJ, et al. **Eur J Nucl Med** 1986;12(4):187–91

Evaluation of lung epithelial permeability. Newhouse MI, et al. **Eur J Nucl Med** 1987;13 Suppl:S58–62

99mTc–DTPA aerosol deposition and clearance in COPD, interstitial disease, and smokers. Effros RM, et al. **J Thorac Imaging** 1986 Mar;1(2):54–60 (39 ref.)

Increased permeability in idiopathic pulmonary fibrosis and sarcoidosis—an index for activity of disease? Konietzko N, et al. **Prax Klin Pneumol** 1987 Jan;41(1):15–8

[Gallium–67 citrate scanning in the differential diagnosis of radiation–induced pulmonary fibrosis and specific lung lesions in patients with lymphogranulomatosis] Miasnikov AA, et al. **Ter Arkh** 1987;59(6):35–7 **(Rus)**

RADIOTHERAPY

Failure of radiotherapy to reverse progressive pulmonary fibrosis caused by paraquat. Bloodworth LL, et al. **Br J Radiol** 1986 Oct;59(706):1037–9

SURGERY

Transplantation of the lungs. Dark J, et al. **Br J Hosp Med** 1987 May;37(5):443–5

Technique of successful lung transplantation in humans. Cooper JD, et al. **J Thorac Cardiovasc Surg** 1987 Feb; 93(2):173–81

THERAPY

[Ambulatory care of interstitial lung diseases] Kandt D, et al. **Z Erkr Atmungsorgane** 1987;168(2):135–41 (Eng. Abstr.) **(Ger)**

VETERINARY

Ovine lentivirus lymphoid interstitial pneumonia. Rapid induction in neonatal lambs. Lairmore MD, et al. **Am J Pathol** 1986 Oct;125(1):173–81

Caprine retrovirus infection in New South Wales: virus isolations, clinical and histopathological findings and prevalence of antibody. Grewal AS, et al. **Aust Vet J** 1986 Aug;63(8):245–8

Caprine arthritis–encephalitis virus infection: from recognition to eradication. Robinson WF, et al. **Aust Vet J** 1986 Aug;63(8):237–41 (64 ref.)

Interstitial pneumonia in guinea pigs. Yamasaki K, et al. **Jikken Dobutsu** 1986 Jul;35(3):345–6

Canine interstitial pneumonitis in a new endemic area of visceral leishmaniasis in western Brazil [letter] Duarte MI, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):992–3

Acute interstitial pneumonia in mink kits: experimental reproduction of the disease. Alexandersen S. **Vet Pathol**

1986 Sep;23(5):579–88
A retrospective study of proliferative interstitial lung disease of horses in Florida. Buergelt CD, et al. **Vet Pathol** 1986 Nov;23(6):750–6

PULMONARY GAS EXCHANGE

Gas exchange during thoracotomy in children. A study using the single-breath test for CO2. Fletcher R. **Acta Anaesthesiol Scand** 1987 Jul;31(5):391–6
Pulmonary ventilation and gas exchange in children anaesthetized with halothane, enflurane and isoflurane. Johannesson GP, et al. **Acta Anaesthesiol Scand** 1987 Jul; 31(5):375–80
Spontaneous versus controlled ventilation in anaesthetized children with congenital cardiac malformations. Oisson AK, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):87–92
Gas exchange in low-compression HFPPV is maintained at low distending pressures in the pig. Sjöstrand UH, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):417–22
Working capacity and pulmonary gas exchange in children with exercise-induced asthma. Hedlin G, et al. **Acta Paediatr Scand** 1986 Nov;75(6):947–54
Respiratory gas exchange and pO2-distribution in splenic tissue. Vaupel P, et al. **Adv Exp Med Biol** 1973;37A:401–6
The effects of marijuana smoke on gas exchange in ovine pregnancy. Clapp JF 3d, et al. **Alcohol Drug Res** 1987; 7(2):85–92
Aerobic responses to low level exercise testing following an acute myocardial infarction. Hossack K, et al. **Am Heart J** 1987 Mar;113(3):694–9
The effect of exercise on pulmonary gas exchange in patients with severe chronic obstructive pulmonary disease. Dantzker DR, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1135–9
Mechanical ventilation and intrapulmonary shunt in pneumonia patients [letter] Raimondi GA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):843–4
Gas exchange and pulmonary vascular reactivity in patients with liver cirrhosis. Rodriguez-Roisin R, et al. **Am Rev Respir Dis** 1987 May;135(5):1085–92
Gas exchange during constant flow ventilation with different gases. Watson J, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):420–5
The effects on gas exchange of a large mediastinal tumour. Fletcher R, et al. **Anaesthesia** 1986 Nov;41(11):1135–8
Arterial to end tidal CO2 tension differences [letter] Fletcher R. **Anaesthesia** 1987 Feb;42(2):210–1
End-tidal PCO2 measurements sampled at the distal and proximal ends of the endotracheal tube in infants and children. Badgwell JM, et al. **Anesth Analg** 1987 Oct; 66(10):959–64
End-tidal PCO2 monitoring in infants and children ventilated with either a partial rebreathing or a non-rebreathing circuit. Badgwell JM, et al. **Anesthesiology** 1987 Mar; 66(3):405–10
Relationship between invasive and noninvasive measurements of gas exchange in anesthetized infants and children. Lindahl SG, et al. **Anesthesiology** 1987 Feb;66(2):168–75
Lung collapse and gas exchange during general anesthesia: effects of spontaneous breathing, muscle paralysis, and positive end-expiratory pressure. Tokics L, et al. **Anesthesiology** 1987 Feb;66(2):157–67
A microcomputer program of pulmonary and tissue gas exchange. Boyle J 3d. **Ann Biomed Eng** 1986;14(5):425–35
Analysis of the gas exchange system dynamics during high-frequency ventilation. Ghazanshahi SD, et al. **Ann Biomed Eng** 1986;14(6):525–42
Air transportation of patients with acute respiratory failure: theory. Grant BJ, et al. **Aviat Space Environ Med** 1987 Jul;58(7):645–51
The effects of head-down tilt on carotid blood flow and pulmonary gas exchange. Loeppky JA, et al. **Aviat Space Environ Med** 1987 Jul;58(7):637–44
Measurement of oxygen uptake in the non-steady-state. Powers SK, et al. **Aviat Space Environ Med** 1987 Apr; 58(4):323–7
Cardiovascular function and alveolar gas exchange during isovolemic hemodialysis with acetate in healthy man. Danielsson A, et al. **Blood Purif** 1987;5(1):41–50
Pulmonary ventilation and gas exchange before and after correction of congenital cardiac malformations. Yates AP, et al. **Br J Anaesth** 1987 Feb;59(2):170–8
Studies on regional differences in pre-inspiratory lung volume and pre-inspiratory alveolar N2 concentration by a single breath method. Fujita M. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar;13(1–2):7–18
Alveolar efficiency for CO2 in normal people and patients with chronic obstructive lung disease. Bradley GW, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):437–41
Why add to the confusion? [letter] Eriksson L, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):197
Reference values for gas exchange during exercise in healthy nonsmoking and smoking men. Malmberg P, et al. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):131–8
Pulmonary marrow embolism: a dog model simulating dual component cemented arthroplasty. Byrick RJ, et al. **Can J Anaesth** 1987 Jul;34(4):336–42
The effect of the Bain circuit on gas exchange. Jaeger MJ, et al. **Can J Anaesth** 1987 Jan;34(1):26–34
Predicting maximal exercise ventilation in patients with chronic obstructive pulmonary disease. Carter R, et al. **Chest** 1987 Aug;92(2):253–9
Ventilatory limitation of exercise. Prediction in COPD [editorial] Dillard TA. **Chest** 1987 Aug;92(2):195–6
Oxygenation during ventilation by high-frequency oscillation in dogs with acute lung injury. Mansel JK, et al. **Crit Care Med** 1986 Nov;14(11):955–9
Assessing pulmonary function in acute respiratory insufficiency: a clinical charting sheet. Peirce EC 2d. **Crit Care Med** 1987 Jul;15(7):696–8
Alveolar-arterial oxygen tension difference: an inaccurate estimate of pulmonary function with variable oxygen supplementation [letter] Räsänen J, et al. **Crit Care Med** 1987 Jan;15(1):88–9
APACHE II—modification for use at high altitude [letter] Sittig DF, et al. **Crit Care Med** 1987 Sep;15(9):890–1
Collateral ventilation of obstructed lung during high-frequency oscillation in dogs and pigs. Takeda J, et al. **Crit Care Med** 1987 Sep;15(9):858–62
Tidal volume dead space relationship during high frequency. Fletcher R. **Eur J Anaesthesiol** 1986 Jul;3(4):332–4
Gas exchange parameters, muscle blood flow and electromechanical properties of the plantar flexors. Moritani T, et al. **Eur J Appl Physiol** 1987;56(1):30–7
Methodologic considerations in mucociliary clearance and lung epithelial absorption measurements. Dolovich MB, et al. **Eur J Nucl Med** 1987;13 Suppl:S45–52
Evaluation of lung epithelial permeability. Newhouse MI, et al. **Eur J Nucl Med** 1987;13 Suppl:S58–62
Anaerobiosis, lactate, and gas exchange during exercise: the issues. Wasserman K. **Fed Proc** 1986 Dec;45(13):2904–9 (35 ref.)
Simulations of steady quaternary gas diffusion between alveolar and blood compartments. Ben Jebria A. **Int J Biomed Comput** 1987 Jan;20(1–2):97–105
The process of gas exchange in the pulmonary circulation incorporating the contribution of axial diffusion. Sharan M, et al. **Int J Biomed Comput** 1987 Mar;20(3):191–209
Inspired and end-tidal gas concentration and alveolar ventilation: concurrent breath-by-breath measurement. Chilcoat RT. **Int J Clin Monit Comput** 1984;1(1):35–41
On-line expiratory CO2 monitoring. Fletcher R. **Int J Clin Monit Comput** 1986;3(3):155–63
Pitfalls with mass spectrometry in clinical anesthesia. Gravenstein JS, et al. **Int J Clin Monit Comput** 1984; 1(1):27–34
Artifacts in the assessment of metabolic gas exchange. Feenstra BW, et al. **Intensive Care Med** 1986;12(4):312–6
Does indomethacin affect shunt and its response to PEEP in oleic acid pulmonary edema? Ali J, et al. **J Appl Physiol** 1987 Jun;62(6):2187–92
CO2 elimination by high-frequency oscillation: effects of vagosympathetic stimulation. Drazen JM, et al. **J Appl Physiol** 1986 Nov;61(5):1836–42
Lactate and ventilatory thresholds: disparity in time course of adaptations to training. Gaesser GA, et al. **J Appl Physiol** 1986 Sep;61(3):999–1004
Supramaximal exercise after training-induced hypervolemia. I. Gas exchange and acid-base balance. Green HJ, et al. **J Appl Physiol** 1987 May;62(5):1944–53
Contribution of continuing gas exchange to phase III exhaled PCO2 and PO2 profiles. Grønlund J, et al. **J Appl Physiol** 1987 Jun;62(6):2467–76
Pulmonary gas exchange in humans during normobaric hypoxic exercise. Hammond MD, et al. **J Appl Physiol** 1986 Nov;61(5):1749–57
Effect of cardiogenic gas mixing on arterial O2 and CO2 tensions during breath holding. Kelly SM, et al. **J Appl Physiol** 1987 Apr;62(4):1453–9
Effect of interbreath fluctuations on characterizing exercise gas exchange kinetics. Lamarra N, et al. **J Appl Physiol** 1987 May;62(5):2003–12
Validation of a respiratory mask for measuring gas exchange in exercising swine. McKirnan MD, et al. **J Appl Physiol** 1986 Sep;61(3):1226–9
Hemodynamic, gas exchange, and hormonal consequences of LBPP during PEEP ventilation. Payen DM, et al. **J Appl Physiol** 1987 Jan;62(1):61–70
Importance of oscillations in alveolar gas concentrations in the analysis of rebreathing data. Weisiger KH, et al. **J Appl Physiol** 1986 Sep;61(3):1104–13
Effect of variable parenchymal expansion on gas mixing. Wilson TA, et al. **J Appl Physiol** 1987 Feb;62(2):634–9
Effects of mean airway pressure on gas transport during high-frequency ventilation in dogs. Yamada Y, et al. **J Appl Physiol** 1986 Nov;61(5):1896–902
Understanding the meaning of the shunt fraction calculation. Cruz JC, et al. **J Clin Monit** 1987 Apr;3(2):124–34
Continuous monitoring of alveolar and inspiratory concentrations of anesthetic and respiratory gases is safe, simple, and cost-effective. Severinghaus JW. **J Clin Monit** 1987 Apr;3(2):123
Continuous monitoring of alveolar and inspiratory concentrations of anesthetic and respiratory gases is difficult and potentially unsafe. Sykes MK. **J Clin Monit** 1987 Apr;3(2):116–22
Early post-traumatic changes in hemodynamics and pulmonary ventilation in alcohol-pretreated pigs. Blomqvist S, et al. **J Trauma** 1987 Jan;27(1):40–4
Carbon dioxide production and respiratory quotient [letter] Miles JM, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):104–5
One-sampling rebreathing method to measure diffusing capacity for CO. Niizeki K, et al. **Jpn J Physiol** 1987; 37(1):109–23
Experimental analyses of pulmonary gas exchange in a standing position at rest and during treadmill exercise. Shibuya I, et al. **Jpn J Physiol** 1987;37(2):303–20
Pulmonary gas exchange during hemodialysis. Bouffard Y, et al. **Kidney Int** 1986 Dec;30(6):920–3
Exercise performance and ventilatory response in the menstrual cycle. Dombovy ML, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):111–7
Mechanism of gas absorption from closed cavities in the living body. Lanari A, et al. **Medicina (B Aires)** 1985; 45(2):125–8
Gas exchange and hemodynamics in patients with bacterial pneumonia ventilated with high PEEP levels. Raimondi GA, et al. **Medicina (B Aires)** 1986;46(2):147–56
Altered gas exchange, limited glucose and branched chain amino acids, and hypoinsulinism retard fetal growth in the rat. Ogata ES, et al. **Metabolism** 1986 Oct;35(10):970–7
Diffusing capacity for carbon monoxide as a predictor of gas exchange during exercise. Sue DY, et al. **N Engl J Med** 1987 May 21;316(21):1301–6
Assessing pulmonary gas exchange [editorial] West JB. **N Engl J Med** 1987 May 21;316(21):1336–8
Exhalation time effects on arterial and venous blood oxygen content and arterial PCO2 during high frequency jet ventilation of surfactant-depleted cats. Johnston J, et al. **Pediatr Pulmonol** 1987 Jan–Feb;3(1):19–23
Theoretical studies of gas mixing and ventilation distribution in the lung. Paiva M, et al. **Physiol Rev** 1987 Jul; 67(3):750–96 (205 ref.)
Magnetic effect on cardiopulmonary function in man. Okai O. **Physiologist** 1987 Feb;30(1 Suppl):S49–50
Increased permeability in idiopathic pulmonary fibrosis and sarcoidosis—an index for activity of disease? Konietzko N, et al. **Prax Klin Pneumol** 1987 Jan;41(1):15–8
Cytochemistry of the gas-exchange area in vertebrate lungs. Meban C. **Prog Histochem Cytochem** 1987;17(1):1–54 (240 ref.)
Tracheal pressure and impedance as determinants of gas exchange during high frequency ventilation. Clarke JR, et al. **Respir Physiol** 1987 Apr;68(1):121–36
Hypoxic pulmonary vasoconstriction and pulmonary gas exchange in normal man. Mélot C, et al. **Respir Physiol** 1987 Apr;68(1):11–27
Acid-base status immediately following rapid changes of alveolar gas composition in awake dogs. Scotto P, et al. **Respir Physiol** 1987 May;68(2):251–8
Deposition and phagocytosis of inhaled particles in the gas exchange region of the duck, Anas platyrhynchos. Stearns RC, et al. **Respir Physiol** 1987 Jan;67(1):23–36
Effect of alterations in frequency, inspiratory time, and airway pressure on gas exchange during high frequency jet ventilation in dogs with normal lungs. Calkins JM, et al. **Resuscitation** 1987 Jun;15(2):87–96
Deficient anatomical capacity for oxygen uptake of the developing lung of the female domestic fowl when compared with the Red Jungle Fowl. Vidyadaran MK, et al. **Schweiz Arch Tierheilkd** 1987 May;129(5):225–37
Ventilation and gas exchange during sleep in patients with interstitial lung disease. McNicholas WT, et al. **Thorax** 1986 Oct;41(10):777–82
Whole-body oxygen consumption during liver transplantation. Svensson KL, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):56–8
[Changes in respiratory mechanics, gas exchange and circulation during bronchospasm under general anesthesia] Tenchev P, et al. **Khirurgiia (Sofiia)** 1987;40(3):30–4 (Eng. Abstr.) (Bul)
[Critical study of the value of capnography in anesthesia] Bourgain JL, et al. **Ann Fr Anesth Reanim** 1987;6(2):100–6 (Fre)
[Evaluation of the Engstrom metabolic computer] Lepape A, et al. **Ann Fr Anesth Reanim** 1987;6(2):129–32 (Eng. Abstr.) (Fre)
[Continuous measurement of gas exchange during artificial ventilation] Viale JP, et al. **Ann Fr Anesth Reanim** 1986; 5(4):424–9 (Eng. Abstr.) (Fre)
[Development of energy expenditure in Zucker rats during the first week of life. Effect of time of measurement] Planche E, et al. **Reprod Nutr Dev** 1987;27(3):673–9 (Eng. Abstr.) (Fre)
[Respiratory exchanges] Melot C, et al. **Rev Mal Respir** 1986; 3(6):379–88 (Fre)
[Carbon monoxide tests] Wiesendanger T, et al. **Rev Mal Respir** 1986;3(6):389–98 (Fre)
[The increase of physiological dead space volume as a parameter for a pulmonary gas exchange disorder in the anesthetized horse] Otto K. **DTW** 1987 Mar 9;94(3):176–8 (Eng. Abstr.) (Ger)
[Bridging lung failure in the newborn infant. Accelerated morphologic lung maturation in extracorporeal gas exchange] Schmidt S, et al. **Fortschr Med** 1986 Sep 25; 104(36):671–3 (Eng. Abstr.) (Ger)
[Breath test with C-14 aminopyrine and the levels of bile acids in patients with chronic active hepatitis] Medrzejewski W, et al. **Pol Arch Med Wewn** 1986 Apr; 75(4):263–7 (Eng. Abstr.) (Pol)
[Effect of artificial pulmonary ventilation using intermittent positive and negative pressures in the pleural cavity on gas exchange efficiency in the isolated heart-lung preparation] Barinov EF, et al. **Anesteziol Reanimatol** 1986

Sep–Oct;(5):44–6 (Eng. Abstr.) (Rus)
[Analysis of the mechanisms of action of various systems of hyperbaric oxygenation on gas exchange, metabolism and structure of the lung tissue] Rogatskiĭ GG, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):35–7 (Eng. Abstr.) (Rus)
[Pulmonary gas exchange and hemodynamics during intermittent positive ventilation of the lungs with positive end–expiratory pressure] Tskhovrebov SV, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):28–30 (Eng. Abstr.) (Rus)
[Gas exchange and hemodynamics during high–frequency ventilation during lung surgery] Zislin BD, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):18–20 (Eng. Abstr.) (Rus)
[Effect of a local disorder of bronchial patency on the circulation and gas exchange in the lungs] Putov NV, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):32–5 (Eng. Abstr.) (Rus)
[Control of hypoxia using apneic oxygenation with extrapulmonary membrane elimination of CO2] Skorik VI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):162–4 (Eng. Abstr.) (Rus)
[Spontaneous fluctuations in the composition of alveolar air at rest and under loading] Vinitskaia RS, et al. **Fiziol Zh** 1987 May–Jun;33(3):7–12 (Eng. Abstr.) (Rus)
[The gas regimen of the body during adaptation and deadaptation to intermittent hypobaric hypoxia] Vorontsov VA, et al. **Fiziol Zh** 1987 May–Jun;33(3):33–8 (Eng. Abstr.) (Rus)
[Hemodynamics of pulmonary circulation, gas exchange and acid–base equilibrium of the blood after exclusion of one lung from ventilation] Dzhafarov ChM, et al. **Grudn Khir** 1987 May–Jun;(3):58–62 (Eng. Abstr.) (Rus)
[Feasibility of studying regional gas exchange in children with chronic bronchopulmonary pathology using the mass spectrometry method] Sergeev VM, et al. **Grudn Khir** 1987 Jul–Aug;(4):34–7 (Eng. Abstr.) (Rus)
[Further development of the hypothesis on the possible formation of pulmonary respiration on the basis of apical gas exchange in the digestive epithelium] Gromova LV, et al. **Zh Evol Biokhim Fiziol** 1986 Jul–Aug;22(4):400–5 (Rus)
[Effect of percussion and postural drainage on gas exchange] Alarcón Ardite A, et al. **Rev Clin Esp** 1987 Mar; 180(5):232–7 (Eng. Abstr.) (Spa)
[Equilibrated inhalation anesthesia. Myth or reality?] Chulià Campos V. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr; 34(2):103–5 (Spa)
[Changes in CO2 end–expiratory fraction after ischemia release in orthopedic surgery] González de Zárate J, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):230–3 (Eng. Abstr.) (Spa)
[CO2 arterio–alveolar gradient in anesthesized patients] González de Zárate Apiñaniz J, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):43–5 (Eng. Abstr.) (Spa)
[Changes in the final expiratory fraction of CO2 after ischemia release (letter)] Miralles Abelló JA. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):76 (Spa)

DRUG EFFECTS

Cardiovascular and blood gas responses to inhaled anaesthetics in normoxic and hypoxic dogs. Naeije R, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):538–44
Effect of meperidine on oxygen consumption, carbon dioxide production, and respiratory gas exchange in postanesthesia shivering. Macintyre PE, et al. **Anesth Analg** 1987 Aug; 66(8):751–5
Improvement of gas exchange during inhibition of hypoxic pulmonary vasoconstriction by nitrendipine in piglets. Escourrou PJ, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):531–7
Biological effects of short–term, high–concentration exposure to methyl isocyanate. III. Influence on gas exchange in the guinea pig lung. Fedde MR, et al. **Environ Health Perspect** 1987 Jun;72:29–33
No influence of acetylcysteine on gas exchange and spirometry in chronic asthma. Bylin G, et al. **Eur J Respir Dis** 1987 Aug;71(2):102–7
Effect of acute calcium slow–channel antagonism on the cardiorespiratory response to graded exercise testing. Gordon NF, et al. **Int J Sports Med** 1986 Oct;7(5):254–8
Disturbance of CO2 elimination in the lungs by carbonic anhydrase inhibition. Taki K, et al. **Jpn J Physiol** 1986; 36(3):523–32
Progesterone–induced changes in exercise performance and ventilatory response. Bonekat HW, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):118–23
Lack of effect of nifedipine and pulmonary hypertension in a group of COPD decompensated patients. Raimondi GA, et al. **Medicina (B Aires)** 1986;46(3):311–9
The effects of indomethacin on edema and gas exchange in canine acid aspiration. Mayers I, et al. **Respir Physiol** 1987 Aug;69(2):149–60
Effect of nifedipine on arterial hypoxaemia occurring after methacholine challenge in asthma. Ballester E, et al. **Thorax** 1986 Jun;41(6):468–72
[Hemodynamic and gas exchange effects of nifedipine in patients with chronic pulmonary disease] Okada O, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Aug; 24(8):827–34 (Eng. Abstr.) (Jpn)
[Effects of nifedipine on gas exchange in patients with chronic lung disease] Tatsumi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 May; 24(5):479–85 (Eng. Abstr.) (Jpn)
[Effect of high heparin doses on pulmonary metabolic and gas–exchange functions] Sadchikov DV, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):18–20 (Eng. Abstr.) (Rus)
[Effect of sodium nitroprusside on the hemodynamic and gas exchange indices of patients with heart failure after mitral valve prosthesis] Vladimirov PV, et al. **Kardiologiia** 1987 Apr;27(4):71–4 (Eng. Abstr.) (Rus)

PULMONARY HEART DISEASE

Cor pulmonale. Yedurappa KG. **J Indian Med Assoc** 1986 Sep;84(9):285–7

BLOOD

[Analysis of factor discrimination in blood stasis syndrome during an acute attack of cor pulmonale] Chen ZY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):75–7, 67 (Eng. Abstr.) (Chi)
[Determination of 5–HT in the blood in cor pulmonale] Li SF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):276–8, 318 (Eng. Abstr.) (Chi)
[Plasma angiotensin II of patients with cor pulmonale in its acute stage] Ma ZS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Aug;9(4):208–10, 253–4 (Eng. Abstr.) (Chi)
[Determination of the digoxin concentration in the blood plasma of patients with cardiopulmonary failure] Sidorova LD, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):22–5 (Eng. Abstr.) (Rus)
[Rheological properties of the blood in chronic cor pulmonale (a review of the literature)] Sakharchuk II, et al. **Vrach Delo** 1987 Mar;(3):46–50 (48 ref.) (Rus)

COMPLICATIONS

[Chronic cor pulmonale and triple acid–base disorders] Geng ZM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):329–31, 381 (Eng. Abstr.) (Chi)
[27 cases of pulmo–encephalopathy with cerebral hernia: report of 6 cases confirmed by autopsy] Liu LR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):273–5, 318 (Eng. Abstr.) (Chi)
[Significance of lactate, pyruvate and anion gap in the diagnosis of complicated acid–base disturbances in chronic cor pulmonale] Liu YH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):332–4, 381 (Eng. Abstr.) (Chi)
[Multiple organ involvement in pulmonary heart disease] Yin BY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):139–41, 188–9 (Eng. Abstr.) (Chi)
[Clinical significance of evaluating acid–base imbalance with the anion gap in chronic respiratory failure] Chen WB, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):1–5, 61 (Eng. Abstr.) (Chi)
[A case of cor pulmonale associated with pheochromocytoma] Kubo H, et al. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1467–8 (Jpn)
[Decompensation of chronic cor pulmonale in patients with chronic obstructive bronchitis] Butorov IV, et al. **Probl Tuberk** 1987;(3):38–41 (Eng. Abstr.) (Rus)
[Drug correction of blood rheological disorders in patients with chronic cor pulmonale (a review of the literature)] Sakharchuk II, et al. **Vrach Delo** 1987 Jul;(7):4–8 (47 ref.) (Rus)

DIAGNOSIS

The cardiac exam in lung disease. Hill NS. **Clin Chest Med** 1987 Jun;8(2):273–85 (56 ref.)
[Clinical signs and diagnostic procedures in chronic cor pulmonale] Kirsten D. **Z Arztl Fortbild (Jena)** 1986; 80(18):745–8 (Ger)
[Echocardiography in clinically suspected chronic cor pulmonale] Schmidt H, et al. **Z Gesamte Inn Med** 1987 Mar 15;42(6):170–2 (Eng. Abstr.) (Ger)
[Diagnosis of early manifestations of cor pulmonale in children with mucoviscidosis] Kapranov NI, et al. **Pediatriia** 1987;(1):39–44 (Eng. Abstr.) (Rus)
[Echocardiography of the right heart in children with bronchial asthma] Kurchakova TV, et al. **Pediatriia** 1987; (5):107 (Rus)
[Possibilities of echocardiography in evaluating the status of the right ventricle of the heart and the pulmonary artery in patients with tuberculosis and nonspecific diseases of the lungs] Gavrisiuk VK, et al. **Probl Tuberk** 1987;(3):34–7 (Eng. Abstr.) (Rus)
[Dosed physical exercise in the early detection of cor pulmonale in chronic bronchitis patients] Kliachkin LM, et al. **Ter Arkh** 1987;59(3):60–3 (Eng. Abstr.) (Rus)
[Neurohumoral system indices in the diagnosis and treatment of chronic nonspecific lung diseases with cor pulmonale] Vizir AD, et al. **Vrach Delo** 1986 Oct;(10):37–40 (Eng. Abstr.) (Rus)

DIET THERAPY

Beneficial effects of dietary carbohydrate restriction in chronic cor pulmonale. Kwan R, et al. **Am J Med** 1987 Apr;82(4):751–8

DRUG THERAPY

Pharmacologic therapy of cor pulmonale. Michael JR, et al. **Cardiovasc Clin** 1987;17(2):171–9 (75 ref.)
Pulmonary vasodilator therapy for chronic obstructive pulmonary disease and cor pulmonale. Treatment with nifedipine, nitroglycerin, and oxygen. Morley TF, et al. **Chest** 1987 Jul;92(1):71–6
Acute effect of sublingual nifedipine on right and left ventricular function in patients with chronic cor pulmonale. Wasir HS, et al. **J Assoc Physicians India** 1986 Nov; 34(11):769–71
Improved cardiac performance by salbutamol, a selective beta 2–agonist, in chronic cor pulmonale. Vik–Mo H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):129–34
[Ligustrazini in the treatment of chronic cor pulmonale] Peng W, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan; 7(1):26–9, 5 (Eng. Abstr.) (Chi)
[The therapeutic effect of defibrase on patients with an acute stage of chronic cor pulmonale] Zhou YC, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jul;25(7):404–6, 444 (Eng. Abstr.) (Chi)
[Diltiazem–induced changes in plasma beta–thromboglobulin and platelet aggregation in chronic cor pulmonale] Camerone G, et al. **Clin Ter** 1986 Aug 15;118(3):187–91 (Eng. Abstr.) (Ita)
[Vasodilator therapy of chronic cor pulmonale] Sakaguchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):999–1007 (Eng. Abstr.) (Jpn)
[Vasodilators in decompensated chronic cor pulmonale] Triandaf I, et al. **Rev Med Interna [Med Interna]** 1986 Jul–Aug;38(4):345–8 (Eng. Abstr.) (Rum)

ENZYMOLOGY

[Estimation of serum lactic dehydrogenase and isoenzymes during the acute stage of chronic cor pulmonale] Wang TJ, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):95–9, 126 (Eng. Abstr.) (Chi)

ETIOLOGY

Tumor cell embolism to pulmonary alveolar capillaries. Cause of sudden cor pulmonale. Abbondanzo SL, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1197–8
Cardiovascular disease in the elderly. Pulmonary heart disease. Burrows B, et al. **J Am Coll Cardiol** 1987 Aug;10(2 Suppl A):63A–65A (18 ref.)
Upper airway obstruction and the pharyngeal lymphoid tissue. Yonkers AJ, et al. **Otolaryngol Clin North Am** 1987 May;20(2):235–9 (23 ref.)
Pulmonary arterial changes in patients with ventricular septal defects and severe pulmonary hypertension. Fried R, et al. **Pediatr Cardiol** 1986;7(3):147–54
[Kyphoscoliosis and cor pulmonale (report of 5 cases and review of the literature] Ye YQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):335–7, 381–2 (Eng. Abstr.) (Chi)
[Pulmonary carcinomatosis: a rare cause of acute cor pulmonale] Rellini G, et al. **G Ital Cardiol** 1986 Jun; 16(6):479–86 (Eng. Abstr.) (Ita)
[A case of sudden death due to cor pulmonale secondary to pulmonary fibrosis associated with polymyositis] Kurosawa M, et al. **Ryumachi** 1986 Jun;26(3):166–72 (Eng. Abstr.) (Jpn)
[Aggressive pulmonary paracoccidioidomycosis, stenosing endotracheitis and subacute cor pulmonale. Description of a case] Campos EP, et al. **Rev Inst Med Trop Sao Paulo** 1986 May–Jun;28(3):185–9 (Eng. Abstr.) (Por)
[Chronic pulmonary heart disease] Chuchalin AG, et al. **Klin Med (Mosk)** 1986 Dec;64(12):115–21 (Rus)
[Clinical aspects and treatment of right ventricular failure in chronic obstructive bronchitis] Matkovskiĭ SK, et al. **Klin Med (Mosk)** 1986 Dec;64(12):70–3 (Rus)
[Features of the functional status of the myocardium of patients with the infectious–allergic form of bronchial asthma] Svintsitskiĭ AS. **Ter Arkh** 1987;59(3):42–5 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Clinical significance of the assay of factor VIII–related antigen in 60 cases of chronic cor pulmonale] Li DC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):142–3, 189 (Eng. Abstr.) (Chi)

METABOLISM

Transpulmonary angiotensin II formation in patients with chronic stable cor pulmonale. Neilly JB, et al. **Am Rev Respir Dis** 1987 Apr;135(4):891–5
[Study of trace elements in the hair of patients with chronic cor pulmonale] Liang GR. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):210–2, 254 (Eng. Abstr.) (Chi)

MORTALITY

Noninvasive tests for responsiveness of pulmonary

hypertension to oxygen. Prediction of survival in patients with chronic obstructive lung disease and cor pulmonale. Ashutosh K, et al. **Chest** 1987 Sep;92(3):393–9

NURSING

[Care of patients with cardiopulmonary diseases treated by isovolume blood dilution therapy] Zhu YY, et al. **Chung Hua Hu Li Tsa Chih** 1987 Jan;22(1):17–8 **(Chi)**

OCCURRENCE

[Incidence of chronic high-altitude cor pulmonale in the Mongolian People's Republic] Danilov IP, et al. **Ter Arkh** 1986;58(12):81–4 **(Rus)**

PATHOLOGY

[Contrastive analysis of pathologic and clinical diagnosis of chronic cor pulmonale complicated with coronary heart disease] Liu LR, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):346–9 (Eng. Abstr.) **(Chi)**

[Acute cor pulmonale in young children] Tabolin VA, et al. **Pediatriia** 1987;(2):27–31 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hemodynamic and oxygen delivery responses to nifedipine in pulmonary hypertension secondary to chronic obstructive lung disease. Saadjian A, et al. **Cardiology** 1987; 74(3):196–204

Pathological and prognostic correlations of exercise studies in hypoxic cor pulmonale. Calverley PM, et al. **Eur J Respir Dis [Suppl]** 1986;146:373–5

Acute effects of oral captopril on hemodynamics in patients with cor pulmonale. Takada K, et al. **Jpn Circ J** 1986 Nov; 50(11):1055–61

Pulmonary vascular reactivity and hemorheology in patients with chronic cor pulmonale: responses to pentoxifylline at rest and during exercise. Sturani C, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):569–78

[Changes in the impedance pulmonary rheogram in cor pulmonale patients treated by traditional Chinese medicine and Western medicine] Li TQ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb;7(2):78–9, 68 (Eng. Abstr.) **(Chi)**

[A study of the P2–Y interval measurement of the impedance pulmonary rheogram with its differential graphic representation in chronic cor pulmonale] Chen WB, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):670–2, 702 (Eng. Abstr.) **(Chi)**

[Current views on the pathophysiology and treatment of chronic pulmonary heart disease] Halawa B, et al. **Wiad Lek** 1986 Dec 15;39(24):1678–87 (81 ref.) **(Pol)**

[Function of the system of external respiration in disorders of pulmonary hemodynamics of different etiologies] Aleksa VI, et al. **Sov Med** 1986;(10):93–5 **(Rus)**

[Pulmonary function in cardiac diseases] Oyarzun M. **Rev Med Chil** 1986 Mar;114(3):263–7 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Noninvasive method to assess cor pulmonale in patients with chronic obstructive pulmonary disease. Yamaoka S, et al. **Chest** 1987 Jul;92(1):10–7

[Contractility parameters of the right heart in patients with chronic obstructive lung diseases without pulmonary hypertension] Nahrendorf W, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):354–9 (Eng. Abstr.) **(Ger)**

THERAPY

The interaction of long term domiciliary oxygen therapy and almitrine bismesylate in hypoxic cor pulmonale. Evans TW, et al. **Eur J Respir Dis [Suppl]** 1986;146:665–9

[Clinical application of the lines of latent propagating sensation and low impedance along channels in the treatment of emphysema] Hao JK, et al. **Chen Tzu Yen Chiu** 1987;12(1):86 **(Chi)**

PULMONARY NEOPLASMS see **LUNG NEOPLASMS**

PULMONARY NODULE, SOLITARY see **COIN LESION, PULMONARY**

PULMONARY SEQUESTRATION see **BRONCHOPULMONARY SEQUESTRATION**

PULMONARY STENOSIS see **PULMONARY VALVE STENOSIS**

PULMONARY STRETCH RECEPTORS see under **MECHANORECEPTORS**

PULMONARY SUBVALVULAR STENOSIS see under **CARDIOMYOPATHY, HYPERTROPHIC**

PULMONARY SURFACTANT see **PULMONARY SURFACTANTS**

PULMONARY SURFACTANTS

Structural characteristics and intermolecular organization of human pulmonary-surfactant-associated proteins. Crawford SW, et al. **Biochem J** 1986 Nov 15;240(1):107–14

The behaviour of lung surfactant in electrolyte solutions. Davies RJ, et al. **Biochim Biophys Acta** 1986 Sep 12; 878(2):135–45

Interaction between the 35 kDa apolipoprotein of pulmonary surfactant and saturated phosphatidylcholines. Effects of temperature. King RJ, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):1–13

Fourier transform infrared and differential scanning calorimetric studies of a surface-active material from rabbit lung. Mautone AJ, et al. **Biochim Biophys Acta** 1987 Jan 9;896(1):1–10

Dipalmitoyl lecithin and lung surfactant adsorption at an air–liquid interface by respirable particles. Ma JY, et al. **Environ Res** 1986 Oct;41(1):120–9

Surfactant displacement by meconium free fatty acids: an alternative explanation for atelectasis in meconium aspiration syndrome. Clark DA, et al. **J Pediatr** 1987 May; 110(5):765–70

ADMINISTRATION & DOSAGE

Double-blind controlled trial of single-dose treatment with bovine surfactant in severe hyaline membrane disease. Raju TN, et al. **Lancet** 1987 Mar 21;1(8534):651–6

ADVERSE EFFECTS

Artificial pulmonary surfactant inhibited by proteins. Fuchimukai T, et al. **J Appl Physiol** 1987 Feb;62(2):429–37

ANALYSIS

Immunoreactivity of surfactant-apoprotein in adenocarcinomas, large cell and small cell carcinomas of the lung. Kitinya JN, et al. **Acta Pathol Jpn** 1986 Sep; 36(9):1271–8

Characterization and partial amino acid sequence of a low molecular weight surfactant protein. Phelps DS, et al. **Am Rev Respir Dis** 1987 May;135(5):1112–7

Correlation of changes in pulmonary surfactant phospholipids with compliance in bleomycin-induced pulmonary fibrosis in the rat. Thrall RS, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):113–8

Changes in lung surfactant lipids associated with the sudden infant death syndrome. Gibson RA, et al. **Aust Paediatr J** 1986;22 Suppl 1:77–80

Phosphatidylinositol and not phosphatidylglycerol is the important minor phospholipid in rhesus-monkey surfactant. Egberts J, et al. **Biochim Biophys Acta** 1987 May 13; 919(1):90–2.

Lack of change in the composition of fetal lamb lung surfactant during gestation. Egberts J, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):146–51

Structural relationships of the major glycoproteins from human alveolar proteinosis surfactant. Ross GF, et al. **Biochim Biophys Acta** 1987 Feb 25;911(3):294–305

Biochemical maturation of fetal rat lung: a comprehensive study including surfactant determination. Bourbon JR, et al. **Biol Neonate** 1987;52(1):48–60

The surfactant system of the lung in the Mexican axolotl Ambystoma mexicanum. Keyhani E. **Cell Biol Int Rep** 1987 Mar;11(3):197–204

Modified lamellar body phospholipid assay compared with L/S ratio and phosphatidylglycerol assay for assessment of fetal pulmonary status. Ivie WM, et al. **Clin Chem** 1987 Jan;33(1):24–31

Surfactant in the amniotic fluid and bromhexine metabolite VIII. Merkus JM, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Apr;8(2):99–102

The effect of vagotomy and hydrocortisone administration on pulmonary surfactant activity in adult albino rats. Srinivasan V, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):219–22

Phospholipid binding and biophysical activity of pulmonary surfactant-associated protein (SAP)-35 and its non-collagenous COOH-terminal domains. Ross GF, et al. **J Biol Chem** 1986 Oct 25;261(30):14283–91

Separation of pulmonary surfactant phospholipids by high-performance liquid chromatography. Dethloff LA, et al. **J Chromatogr** 1986 Oct 31;382:79–87

The assessment of foetal lung maturity by chemical analysis of amniotic fluid. Krieglsteiner HP, et al. **J Clin Chem Clin Biochem** 1986 Oct;24(10):705–17 (206 ref.)

Alternative solutions [letter] **Nature** 1986 Dec 18–31; 324(6098):622

Surfactant associated protein (SAP-35) in amniotic fluid from diabetic and nondiabetic pregnancies. McMahan MJ, et al. **Obstet Gynecol** 1987 Jul;70(1):94–8

The effect of bromhexine on phospholipid concentration in bronchial and bronchoalveolar lavage. Crimi P, et al. **Panminerva Med** 1986 Jul–Sep;28(3):303–5

Surfactant quantity and composition during recovery from hyaline membrane disease. Jackson JC, et al. **Pediatr Res** 1986 Dec;20(12):1243–7

Alterations of surfactant pools in fetal and newborn rat lungs. Spain CL, et al. **Pediatr Res** 1987 Jan;21(1):5–9

Lung surfactant composition in puppies dying of fading puppy complex. Blunden AS, et al. **Res Vet Sci** 1987 Jan; 42(1):113–8

[The foam test—a prognostic sign of lung maturity of a preterm fetus] Petrova N, et al. **Akush Ginekol (Sofiia)** 1987; 26(1):32–5 (Eng. Abstr.) **(Bul)**

[Fluorescence polarization for measuring the production of surfactant in pathological pregnancies] Luerti M, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar–Apr;108(2):83–9 (Eng. Abstr.) **(Ita)**

[Effect of pregnancy and labor pathology on the status of the surfactant system of the fetal and newborn infant lung] Iaroslavskil VK. **Akush Ginekol (Mosk)** 1987 Jan;(1):62–3 **(Rus)**

[Relationship of changes in the pulmonary surfactant system to postoperative pulmonary complications] Avrutskil MIa, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):42–4 (Eng. Abstr.) **(Rus)**

[Physico-chemical method of diagnosing the respiratory distress syndrome using a black foam film] Eksperova D, et al. **Fiziol Zh** 1987 May–Jun;33(3):101–8 (Eng. Abstr.) **(Rus)**

[Changes in the surface activity of bronchoalveolar washings and their cellular composition in bronchial asthma] Mirrakhimov MM, et al. **Ter Arkh** 1987;59(3):31–6 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

A protein that inhibits surfactant in respiratory distress syndrome. Ikegami M, et al. **Biol Neonate** 1986;50(3):121–9

[Effectiveness of alupent in disorders of the pulmonary surfactant system caused by chlorophos poisoning] Kuleshov VI, et al. **Farmakol Toksikol** 1987 Mar–Apr; 50(2):105–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Fetal lung surfactant lipid synthesis from glycogen during organ culture. Farrell PM, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):159–67

Altered phospholipid biosynthesis in type II pneumocytes isolated from streptozotocin-diabetic rats. Uhal BD, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):266–72

Adenosine 3',5'-monophosphate analogs and beta-adrenergic agonists induce the synthesis of the major surfactant apoprotein in human fetal lung in vitro. Odom MJ, et al. **Endocrinology** 1987 Sep;121(3):1155–63

Insulin inhibits the accumulation of the major lung surfactant apoprotein in human fetal lung explants maintained in vitro. Snyder JM, et al. **Endocrinology** 1987 Apr;120(4):1250–7

The role of sera, growth factors, and hormones in the in vitro production of disaturated phosphatidylcholine and propagation of undifferentiated type II alveolar cells from the fetal rabbit lung. Scott JE. **Exp Lung Res** 1987; 12(3):181–94

The sex difference in fetal lung surfactant production. Torday JS, et al. **Exp Lung Res** 1987;12(1):1–19 (91 ref.)

Optimization of fetal lung organ culture for surfactant biosynthesis. Doucet E, et al. **In Vitro Cell Dev Biol** 1987 Mar;23(3):189–98

Differential effects of epidermal growth factor and transforming growth factor-beta on synthesis of Mr = 35,000 surfactant-associated protein in fetal lung. Whitsett JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7908–13

Degradation of dipalmitoyl phosphatidylcholine by isolated rat granular pneumocytes and reutilization for surfactant synthesis. Chander A, et al. **J Clin Invest** 1987 Apr; 79(4):1133–8

Response of the pulmonary surfactant system to phosgene. Frosolono MF, et al. **Toxicol Ind Health** 1985 Oct; 1(2):29–35

[Assessment of the production of surfactant by type II alveolocytes during chemotherapy of experimental pulmonary tuberculosis] Erokhin VV, et al. **Probl Tuberk** 1986;(11):54–8 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Surfactant deficiency with decreased opsonic activity in a guinea pig model of alcoholism. Baughman RP, et al. **Alcoholism (NY)** 1987 Jun;11(3):261–4

Hemodynamic and ventilatory effects of high-frequency jet and conventional ventilation in piglets with lung lavage. Suguihara C, et al. **Biol Neonate** 1987;51(5):241–8

Pathology of neonatal surfactant deficiency. Robertson B. **Perspect Pediatr Pathol** 1987;11:6–46 (254 ref.)

[Status of pulmonary surfactant in suppurative lung diseases (experimento-clinical study)] Muromskil IuA, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):74–7 (Eng. Abstr.) **(Rus)**

[Role of pulmonary surfactant in the development of post-exercise bronchospasm] Chervinskaia TA, et al. **Sov Med** 1986;(9):40–3 (Eng. Abstr.) **(Rus)**

GENETICS

The coding sequence for the 32,000-dalton pulmonary surfactant-associated protein A is located on chromosome 10 and identifies two separate restriction-fragment-length polymorphisms. Fisher JH, et al. **Am J Hum Genet** 1987 Jun;40(6):503–11

Isolation and sequence of a cDNA clone for the rat pulmonary surfactant-associated protein (PSP-A). Sano K, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):367–74

In vitro sulfation of pulmonary surfactant-associated protein-35. Weaver TE, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):205–11

The 35 kd pulmonary surfactant-associated protein is encoded on chromosome 10. Bruns G, et al. **Hum Genet** 1987 May;76(1):58–62

Isolation of a cDNA clone encoding a high molecular weight precursor to a 6-kDa pulmonary surfactant-associated protein. Jacobs KA, et al. **J Biol Chem** 1987 Jul 15; 262(20):9808–11

Induction of surfactant protein in fetal lung. Effects of cAMP and dexamethasone on SAP-35 RNA and synthesis. Whitsett JA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5256–61

Is lung surfactant protein a lectin–collagen hybrid? [letter] Patthy L. **Nature** 1987 Feb 5–11;325(6104):490

Regulation of pulmonary surfactant apoprotein SP 28–36 gene in fetal human lung. Ballard PL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9527–31

cDNA and deduced amino acid sequence of human pulmonary surfactant-associated proteolipid SPL(Phe). Glasser SW, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4007–11

Nucleotide and amino acid sequences of pulmonary surfactant protein SP 18 and evidence for cooperation between SP 18 and SP 28–36 in surfactant lipid adsorption. Hawgood S, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):66–70

IMMUNOLOGY

Development of the pulmonary acinus in fetal rat lung: a study based on an antiserum recognizing surfactant-associated proteins. Otto-Verberne CJ, et al. **Anat Embryol (Berl)** 1987;175(3):365–73

Enhancement of macrophage and monocyte cytotoxicity by the surface active material of lung lining fluid. Baughman RP, et al. **J Lab Clin Med** 1987 Jun;109(6):692–7

ISOLATION & PURIFICATION

[Method of studying pulmonary surfactants in an experiment] Iakovleva OA, et al. **Fiziol Zh** 1987 May–Jun;33(3):113–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolism and turnover of lung surfactant. Wright JR, et al. **Am Rev Respir Dis** 1987 Aug;136(2):426–44 (221 ref.)

Lung surfactant apoprotein and phosphatidylglycerol in amniotic fluid for prediction of respiratory distress syndrome. Dhall K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):395–401

Effects of experimental acute pancreatitis in dogs on metabolism of lung surfactant phosphatidylcholine. Das SK, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):612–8

The relationship between intra- and extra-cellular surfactant phospholipids in the lungs of rabbits and the effects of silica-induced lung injury. Dethloff LA, et al. **Biochem J** 1986 Oct 1;239(1):59–67

Post-translational modification of the major human surfactant-associated proteins. Phelps DS, et al. **Biochem J** 1986 Jul 15;237(2):373–7

Reconstitution of surfactant activity by using the 6 kDa apoprotein associated with pulmonary surfactant. Yu SH, et al. **Biochem J** 1986 May 15;236(1):85–9

Sialic acid of lung surfactant apoprotein, SP 28–36, is not required for the Ca2+-mediated interactions between surfactant lipids and SP 28–36. Efrati H, et al. **Biochim Biophys Acta** 1987 Feb 23;917(3):425–7

Induction and characterization of the major surfactant apoprotein during rabbit fetal lung development. Snyder JM, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):226–36

Biophysical activity of synthetic phospholipids combined with purified lung surfactant 6000 dalton apoprotein. Notter RH, et al. **Chem Phys Lipids** 1987 Jun;44(1):1–17

Effects of cis-hydroxyproline on type II cell development in fetal rat lung. King GM, et al. **Exp Lung Res** 1987; 12(4):347–62

Respiratory failure following anti-lung serum: study on mechanisms associated with surfactant system damage. Lachmann B, et al. **Exp Lung Res** 1987;12(2):163–80

Altered turnover and synthesis rates of lung surfactant following thoracic irradiation. Coultas PG, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):233–7

Pulmonary clearance of inhaled 99mTc-DTPA: effects of surfactant depletion by lung lavage. Evander E, et al. **J Appl Physiol** 1987 Apr;62(4):1611–4

Surfactant apoprotein Mr = 26,000–36,000 enhances uptake of liposomes by type II cells. Wright JR, et al. **J Biol Chem** 1987 Feb 25;262(6):2888–94

Clearance of instilled surfactant lipid from the lungs of unanesthetized sheep: lipids are differentially transported by nonlymphatic pathways. Davis PA, et al. **J Lab Clin Med** 1987 Feb;109(2):191–200

Effects of beta-2 agonist on tracheal fluid flow, surfactant and pulmonary mechanics in the fetal lamb. Warburton D, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):394–8

Accumulation of surfactant phospholipids in lipid pneumonia induced with methylnaphthalene. Taki T, et al. **Lipids** 1986 Sep;21(9):548–52

Structure and function of phosphatidylglycerol-deficient lung surfactant. Bleasdale JE, et al. **Lung** 1986; 164(6):339–53

Surfactant in middle ear effusions. Grace A, et al. **Otolaryngol Head Neck Surg** 1987 Apr;96(4):336–40

Studies on the effects of L-thyroxine, L-carnitine and an L-thyroxine-L-carnitine combination on dipalmitoyl phosphatidylcholine content and on phosphatidylcholine species composition in fetal rat lungs. Lohninger A, et al. **Pediatr Res** 1986 Dec;20(12):1280–3

Lung development in the fetal guinea pig: surfactant, morphology, and premature viability. Sosenko IR, et al. **Pediatr Res** 1987 May;21(5):427–31

Vitamin K-dependent carboxylation of pulmonary surfactant-associated proteins. Rannels SR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5952–6

Influence of parenteral nutrition on lung surfactant in the traumatized rat. Bahrami S, et al. **Prog Clin Biol Res** 1987; 236B:295–303

Surfactant synthesis, secretion, and function in alveoli and small airways. Review of the physiologic basis for pharmacologic intervention. Mason RJ. **Respiration** 1987; 51 Suppl 1:3–9 (37 ref.)

Surfactant and physiologic alterations in an animal model of adult human lung disease. A preliminary report. Sulavik SB, et al. **Respiration** 1987;51 Suppl 1:10–4

[Ultrastructural changes on the alveolar surface in experimental respiratory distress syndrome with emphasis on the detection of surfactants] Haškovcová I. **Cesk Patol** 1986 Aug;22(3):141–4 (Eng. Abstr.) **(Cze)**

[Inhaled pollutants and the surfactant system of the lung] Ladanyi E. **Prax Klin Pneumol** 1986 Dec;40(12):465–9 **(Ger)**

[Analysis of the mechanisms of action of various systems of hyperbaric oxygenation on gas exchange, metabolism and structure of the lung tissue] Rogatskii GG, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):35–7 (Eng. Abstr.) **(Rus)**

[Effect of pulmonary lipid peroxidation on the development of arterial hypoxemia in rats in the early posttraumatic period] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):157–60 (Eng. Abstr.) **(Rus)**

[Surface activity of the surfactant in experimental compression atelectasis] Zagorul'ko AK, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):277–9 (Eng. Abstr.) **(Rus)**

[Pulmonary surfactants in acute hypoxic hypoxia] Gorchakov VIu, et al. **Fiziol Zh** 1987 May–Jun;33(3):38–42 (Eng. Abstr.) **(Rus)**

[The pulmonary surfactant system of rats with a vitamin A deficiency] Iakovleva OA. **Fiziol Zh** 1987 May–Jun; 33(3):78–81 (Eng. Abstr.) **(Rus)**

[Free-radical oxidation of pulmonary surfactants in prolonged exposure to industrial dust aerosols] Mashchakevich II. **Fiziol Zh** 1987 May–Jun;33(3):67–72 (Eng. Abstr.) **(Rus)**

[External respiratory function and the condition of the surfactant in experimental contusion of the lung] Bisenkov LN, et al. **Grudn Khir** 1987 Jan–Feb;(1):60–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Altered lipid synthesis in type II pneumonocytes exposed to lung surfactant. Thakur NR, et al. **Biochem J** 1986 Dec 15;240(3):679–90

Effect of rat surfactant lipids on complement and Fc receptors of macrophages. Coonrod JD, et al. **Infect Immun** 1986 Nov;54(2):371–8

Corticosteroids and surfactant change lung function and protein leaks in the lungs of ventilated premature rabbits. Ikegami M, et al. **J Clin Invest** 1987 May;79(5):1371–8

Pulmonary surfactant and its components inhibit secretion of phosphatidylcholine from cultured rat alveolar type II cells. Dobbs LG, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):1010–4

PHYSIOLOGY

Augmentation of rat alveolar macrophage migration by surfactant protein. Hoffman RM, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1358–62

Functional abnormalities of lung surfactant in experimental acute alveolar injury in the dog. Liau DF, et al. **Am Rev Respir Dis** 1987 Aug;136(2):395–401

Reconstitution of surfactant activity using purified human apoprotein and phospholipids measured in vitro and in vivo. Revak SD, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1258–65

Pulmonary surfactant films affected by solvent vapors. Enhorning G, et al. **Anesth Analg** 1986 Dec;65(12):1275–80

Correlations between physical and physiological properties of various preparations of lung surfactant. Nohara K, et al. **Eur J Respir Dis** 1986 Nov;69(5):321–35

The role of the low-molecular weight (less than or equal to 15,000 daltons) apoproteins of pulmonary surfactant. Suzuki Y, et al. **Eur J Respir Dis** 1986 Nov;69(5):336–45

Respiratory distress and surfactant inhibition following vagotomy in rabbits. Berry D, et al. **J Appl Physiol** 1986 Nov;61(5):1741–8

Effect of granulocyte depletion in a ventilated surfactant-depleted lung. Kawano T, et al. **J Appl Physiol** 1987 Jan;62(1):27–33

Correlation of amniotic pulmonary surfactant with birth weight and respiratory distress in newborn. Kapoor U, et al. **J Indian Med Assoc** 1986 Jun;84(6):176–80

Combination of saline instillation with artificial ventilation damages bronchial surfactant [letter] Lachmann B. **Lancet** 1987 Jun 13;1(8546):1375

Lung surfactant: how it does and does not work. Bangham AD. **Lung** 1987;165(1):17–25

Lung surfactant. Harwood JL, et al. **Mol Aspects Med** 1985; 8(5):423–514

Lung surfactant anchor [letter] Meban C. **Nature** 1987 Mar 19–25;326(6110):252

Role of the bronchial surfactant. Valenti S. **Panminerva Med** 1986 Jul–Sep;28(3):289

Regulation of pulmonary surfactant apoprotein SP 28–36 gene in fetal human lung. Ballard PL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9527–31

[Significance of the surfactant system for bronchopulmonary defense mechanisms] Kohl FV, et al. **Prax Klin Pneumol** 1986 Sep;40(9):365–6 **(Ger)**

[Effects of ambroxol on pulmonary surfactant—analysis of the fatty acid composition of phosphatidylcholine in the sputum and normal respiratory tract fluid in rabbits] Miyata T, et al. **Nippon Yakurigaku Zasshi** 1986 Jul;88(1):57–64 (Eng. Abstr.) **(Jpn)**

[Status of the pulmonary surfactant system in acute respiratory insufficiency] Dorovatovskii VA, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):23–5 (Eng. Abstr.) **(Rus)**

[Effect of the mode of extrapulmonary gas exchange on the function and metabolism of pulmonary surfactant] Skorik VI, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):13–6 (Eng. Abstr.) **(Rus)**

[Seasonal changes in the surface activity of pulmonary surfactants] Gorchakov VIu, et al. **Fiziol Zh** 1987 May–Jun; 33(3):86–9 (Eng. Abstr.) **(Rus)**

[Effect of the functional status of the supraoptic nuclei of the hypothalamus on surface-active properties of the lungs and external respiration in the rabbit] Kriuchkova VI, et al. **Fiziol Zh SSSR** 1986 Jul;72(7):959–63 (Eng. Abstr.) **(Rus)**

SECRETION

Altered phospholipid secretion in type II pneumocytes isolated from streptozotocin-diabetic rats. Brown LA, et al. **Biochim Biophys Acta** 1986 Sep 12;878(2):258–65

Regulation of surfactant secretion from isolated Type II pneumocytes by substance P. Rice WR, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):123–7

Tetradecanoylphorbol acetate and terbutaline stimulate surfactant secretion in alveolar type II cells without changing the membrane potential. Sano K, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):317–26

P2-purinoceptors regulate surfactant secretion from rat isolated alveolar type II cells. Rice WR, et al. **Br J Pharmacol** 1986 Nov;89(3):485–91

Rate of secretion of lung surfactant before and after birth. Faridy EE, et al. **Respir Physiol** 1987 Jun;68(3):269–77

[Factors influencing the secretion of pulmonary surface active substances] Zhang JF. **Sheng Li Ko Hsueh Chin Chan** 1986 Oct;17(4):374–7 (47 ref.) **(Chi)**

[Surface-active properties of endobronchial washings in lung diseases] Zagorul'ko AK, et al. **Sov Med** 1987;(1):71–2 **(Rus)**

THERAPEUTIC USE

Lung function in prematurely delivered rabbits treated with a synthetic surfactant. Tooley WH, et al. **Am Rev Respir Dis** 1987 Sep;136(3):651–6

Mitigation of pulmonary hyperoxic injury by administration of exogenous surfactant. Matalon S, et al. **J Appl Physiol** 1987 Feb;62(2):756–61

Localization of surfactant in neonatal lung after exogenous administration. Ferrara TB, et al. **J Pediatr** 1987 Sep; 111(3):463–6

Exogenous surfactant therapy to prevent respiratory distress syndrome. Lawson EE. **J Pediatr** 1987 Mar;110(3):492–3

Surfactants in severe hyaline membrane disease [letter] **Lancet** 1987 May 2;1(8540):1040–1

Neonatal update: surfactant replacement therapy. Few BJ. **MCN** 1987 Mar–Apr;12(2):129

Effect of surfactant substitution on lung effluent phospholipids in respiratory distress syndrome: evaluation of surfactant phospholipid turnover, pool size, and the relationship to severity of respiratory failure. Hallman M, et al. **Pediatr Res** 1986 Dec;20(12):1228–35

Randomized controlled trial of exogenous surfactant for the treatment of hyaline membrane disease. Gitlin JD, et al. **Pediatrics** 1987 Jan;79(1):31–7

Comparison of four surfactants: in vitro surface properties and responses of preterm lambs to treatment at birth. Ikegami M, et al. **Pediatrics** 1987 Jan;79(1):38–46

Effects of surfactant replacement on respiratory failure induced by free oxygen radicals. Lachmann B, et al. **Prog Clin Biol Res** 1987;236B:305–13

Exogenous lung surfactant: effect on radiographic appearance in premature infants. Wood BP, et al. **Radiology** 1987 Oct;165(1):11–3

Acute responses to phosgene inhalation and selected corrective measures (including surfactant). Mautone AJ, et al. **Toxicol Ind Health** 1985 Oct;1(2):37–57

[Treatment of pulmonary failure in acute pancreatitis by using artificial surfactant] Sunamura M, et al. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):360 **(Jpn)**

PULMONARY VALVE

Isolated pulmonary valve endocarditis with patent ductus

arteriosus. A report of a case. Touze JE, et al. **Acta Cardiol (Brux)** 1986;41(4):313–8

Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia. Oda H, et al. **Am Heart J** 1987 Jun;113(6):1513–6

Transient prolongation of the QTc interval after balloon valvuloplasty and angioplasty in children. Martin GR, et al. **Am J Cardiol** 1986 Dec 1;58(13):1233–5

Isolated pulmonary valve prolapse: a sign of pulmonary hypertension. Arvan S, et al. **Clin Cardiol** 1987 Mar; 10(3):205–9

Double-chambered right ventricle with pulmonary valve endocarditis. Shah VK, et al. **Clin Cardiol** 1987 Mar; 10(3):209–10

Echocardiographic demonstration of pulmonary valve vegetation in a child with infundibular pulmonic stenosis and closed VSD. Bhandari S, et al. **Indian Heart J** 1986 Sep–Oct;38(5):425–8

[Echocardiographic findings in pulmonary arterial hypertension] Scoditti S, et al. **Arch Monaldi** 1985 Sep–Dec;40(5–6):239–46 (Eng. Abstr.) **(Ita)**

[Echocardiographic diagnosis of infectious endocarditis on patent ductus arteriosus with involvement of the pulmonary artery and the pulmonary and aortic semilunar valves. Description of a case] Ciliberto GR, et al. **G Ital Cardiol** 1986 Sep;16(9):795–7 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Ventriculo-coronary micro-communications in pulmonary atresia and sequential changes of coronary arteries. Yokose T, et al. **Acta Pathol Jpn** 1987 Jun;37(6):1033–40

Coronary arterial abnormalities in pulmonary atresia with intact ventricular septum. Calder AL, et al. **Am J Cardiol** 1987 Feb 15;59(5):436–42

Balloon valvuloplasty in children with dysplastic pulmonary valves. DiSessa TG, et al. **Am J Cardiol** 1987 Aug 1; 60(4):405–7

Congenital absence of the pulmonic valve and tricuspid valve atresia with intact ventricular septum. Forrest P, et al. **Am J Cardiol** 1987 Feb 15;59(5):482–4

The dysplastic pulmonary valve: echocardiographic features and results of balloon dilatation. Musewe NN, et al. **Br Heart J** 1987 Apr;57(4):364–70

Right ventricular outflow construction without cardiopulmonary bypass. Chiavarelli M, et al. **Circulation** 1987 Sep;76(3 Pt 2):III34–8

Transaortic closure of ventricular septal defect in patients with corrected transposition with pulmonary stenosis or atresia. Russo P, et al. **Circulation** 1987 Sep;76(3 Pt 2):III88–92

Pulmonary atresia with ventricular septal defect in adult patients. Sudhir K, et al. **Clin Cardiol** 1987 May;10(5):350–4

Prostaglandin E2 administration in infants with ductus-dependent cyanotic congenital heart disease. Thanopoulos BD, et al. **Eur J Pediatr** 1987 May; 146(3):279–82

Pulmonary atresia and aortic valve stenosis. Martin RP, et al. **Int J Cardiol** 1987 Jul;16(1):103–5

Pulmonary atresia with intact ventricular septum [letter] Casta A. **J Am Coll Cardiol** 1987 Aug;10(2):477–8

Definitive operation for pulmonary atresia with intact ventricular septum. Results in twenty patients. Alboliras ET, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):454–64

Management of pulmonary atresia with intact ventricular septum. Foker JE, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):706–15

Angiography for delineation of systemic-to-pulmonary shunts in congenital pulmonary atresia: evaluation with the dynamic spatial reconstructor. Liu YH, et al. **Mayo Clin Proc** 1986 Dec;61(12):932–41

"Absent" pulmonary valve with ASD and PDA [letter] Sethia B, et al. **Pediatr Cardiol** 1986;7(2):119–20

[Results of treatment of infants with pulmonary atresia and critical pulmonary stenosis with intact ventricular septum] Rigler B, et al. **Helv Chir Acta** 1987 Feb;53(4):485–7 (Eng. Abstr.) **(Ger)**

[Interpretation of plain radiographs of infants and children with cardiac and blood vessel abnormalities. II. Complex angiopathies exemplified by pulmonary atresia and tricuspid atresia] Rautenburg HW. **Rontgenpraxis** 1987 Apr; 40(4):137–44 **(Ger)**

[Tetralogy of Fallot with absence of the pulmonary valve] On A, et al. **Harefuah** 1986 Dec 15;111(12):418–22 (Eng. Abstr.) **(Heb)**

[Absent pulmonary valve syndrome—report of a case] Togo T, et al. **Kyobu Geka** 1987 Feb;40(2):145–8 (Eng. Abstr.) **(Jpn)**

[Congenital absence of the pulmonary valve] Cheban VN. **Grudn Khir** 1987 May–Jun;(3):73–8 (57 ref.) **(Rus)**

[Pulmonary valve aplasia] Farrú O, et al. **Rev Chil Pediatr** 1986 Sep–Oct;57(5):393–8 (Eng. Abstr.) **(Spa)**

[Tetralogy of Fallot with agenesis of the pulmonary valve: apropos of a case diagnosed in adult age] Alcázar Albajar J, et al. **Rev Esp Cardiol** 1986 Jul–Aug;39(4):304–7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Diagnosis of functional pulmonary atresia using hyperventilation and Doppler ultrasound. Silberbach GM, et al. **Am J Cardiol** 1987 Mar 1;59(6):709–11

Streptococcus bovis infection of the pulmonary valve in an elderly woman with a colonic polyp. Busby WJ, et al. **J Am Geriatr Soc** 1987 Feb;35(2):166–9

Anatomic features of congenital pulmonary valvar stenosis. Gikonyo BM, et al. **Pediatr Cardiol** 1987;8(2):109–16

Morphologic effects of percutaneous balloon pulmonary valvuloplasty. Walls JT, et al. **South Med J** 1987 Apr; 80(4):475–8

[Right heart failure as a clinical sign of pulmonary artery sarcoma] Bettelheim P, et al. **Wien Klin Wochenschr** 1987 Mar 6;99(5):156–9 (Eng. Abstr.) **(Ger)**

[Pulmonary regurgitation with special reference to the shape of the pulmonary valve ring: a pulsed Doppler and angiographic study] Tsuneyoshi H, et al. **J Cardiogr** 1985 Dec;15(4):1145–56 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Doppler ultrasound in the prediction of transvalvar pressure gradients in patients with valvar pulmonary stenosis. Rao PS. **Int J Cardiol** 1987 May;15(2):195–203

Experience with St. Jude Medical valve prosthesis in children. A word of caution regarding right-sided placement. Ilbawi MN, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):73–9

[Pulmonary valve fluttering in persistent ductus arteriosus] Rydlewska-Sadowska W, et al. **Kardiol Pol** 1986; 29(7):494–500 (Eng. Abstr.) **(Pol)**

SURGERY

Concomitant valvotomy and subclavian-main pulmonary artery shunt in neonates with pulmonary atresia and intact ventricular septum. Kanter KR, et al. **Ann Thorac Surg** 1987 May;43(5):490–4

Pulmonic valve. Doty DB. **Cardiovasc Clin** 1987;17(2):117–30 (27 ref.)

Surgical management of pulmonary atresia, and critical pulmonary stenosis with intact ventricular septum. Ishizawa E, et al. **Tohoku J Exp Med** 1986 Oct; 150(2):135–44

PULMONARY VALVE INSUFFICIENCY

COMPLICATIONS

Pulmonary regurgitation in transposition of the great arteries. Qureshi SA, et al. **Br Heart J** 1987 Feb;57(2):199–201

Anasarca due to pulmonic valve regurgitation with low pulmonary vascular resistance. Cook DJ, et al. **Can J Cardiol** 1987 May;3(4):162–3

[A case of idiopathic dilatation of the pulmonary artery with pulmonic insufficiency] Nunoda S, et al. **Kokyu To Junkan** 1986 Jun;34(6):681–6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Doppler echocardiographic documentation of diastolic pulmonary artery forward flow. Kisanuki A, et al. **Am J Cardiol** 1987 Mar 1;59(6):711–3

PATHOLOGY

[Pulmonary regurgitation with special reference to the shape of the pulmonary valve ring: a pulsed Doppler and angiographic study] Tsuneyoshi H, et al. **J Cardiogr** 1985 Dec;15(4):1145–56 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Factors that exaggerate the deleterious effects of pulmonary insufficiency on the right ventricle after tetralogy repair. Surgical implications. Ilbawi MN, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):36–44

SURGERY

Repair of pulmonary valve insufficiency using an autologous monocusp. Cowgill LD, et al. **Ann Thorac Surg** 1986 Nov; 42(5):587–9

Palliation of carcinoid heart disease. Codd JE, et al. **Arch Surg** 1987 Sep;122(9):1076–7

PULMONARY VALVE STENOSIS

Cardiopathic and electrocardiographic changes in multiple lentigines syndrome. Mirić M, et al. **Acta Med Iugosl** 1986; 40(5):365–74

COMPLICATIONS

Echocardiographic demonstration of pulmonary valve vegetation in a child with infundibular pulmonic stenosis and closed VSD. Bhandari S, et al. **Indian Heart J** 1986 Sep–Oct;38(5):425–8

Severe pulmonary stenosis and duct dependent coarctation in a neonate. An embryological impossibility? Wilson N, et al. **Int J Cardiol** 1987 Jan;14(1):103–6

[Communication between the left ventricle and right atrium associated with membranous septal aneurysm—report of a case] Fukuda I, et al. **Kyobu Geka** 1987 Feb;40(3):223–6 (Eng. Abstr.) **(Jpn)**

[A case of coronary sinus type atrial septal defect with pulmonary valve stenosis] Terada M, et al. **Kyobu Geka** 1986 Oct;39(10):829–31 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Balloon valvuloplasty in children with dysplastic pulmonary valves. DiSessa TG, et al. **Am J Cardiol** 1987 Aug 1; 60(4):405–7

Right ventricular outflow construction without cardiopulmonary bypass. Chiavarelli M, et al. **Circulation** 1987 Sep;76(3 Pt 2):III34–8

Anatomic features of congenital pulmonary valvar stenosis. Gikonyo BM, et al. **Pediatr Cardiol** 1987;8(2):109–16

[Percutaneous transluminal balloon valvuloplasty in the treatment of congenital valvular pulmonary stenoses in childhood] Beitzke A, et al. **Wien Klin Wochenschr** 1987 Feb 6;99(3):79–84 (Eng. Abstr.) **(Ger)**

[Congenital pulmonary stenosis and tuberculosis. Report of 3 cases] de Medeiros Sobrinho JH, et al. **Arq Bras Cardiol** 1986 May;46(5):329–35 (Eng. Abstr.) **(Por)**

DIAGNOSIS

False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonic stenosis. Casta A, et al. **Am Heart J** 1987 Apr;113(4):1032–5

[Quantitative estimation of pulmonary valve stenosis by Doppler echocardiography] Liu J, et al. **Chuag Hua Hsin Hsueh Kuan Ping Tsa Chih** 1987 Apr; 15(2):103–5, 127–8 (Eng. Abstr.) **(Chi)**

DRUG THERAPY

[Use of beta-adrenoblockers after an operation in the development of functional pulmonary artery stenosis] Frantsev VI, et al. **Kardiologiia** 1987 Jun;27(6):105–6 **(Rus)**

FAMILIAL & GENETIC

Pulmonary valve stenosis and hemophilia A. Report of three cases and discussion of a possible genetic linkage. Ackerman Z, et al. **Arch Intern Med** 1986 Nov; 146(11):2233–4

PATHOLOGY

The ventricular septal defect in complete transposition of the great arteries: pathologic anatomy in 57 cases with emphasis on subaortic, subpulmonary, and aortic arch obstruction. Milanesi O, et al. **Hum Pathol** 1987 Apr; 18(4):392–6

Left ventricular ultrastructure in pulmonary stenosis and in tetralogy of Fallot. Toussaint M, et al. **Virchows Arch [A]** 1987;411(1):33–8

[Radiographic measurement of the right auricle in normal subjects and patients with pulmonary valvular stenosis] Castellanos AW, et al. **Arch Inst Cardiol Mex** 1987 Jan–Feb;57(1):25–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Continuous-wave Doppler velocities and gradients across fixed tunnel obstructions: studies in vitro and in vivo. Yoganathan AP, et al. **Circulation** 1987 Sep;76(3):657–66

Doppler ultrasound in the prediction of transvalvar pressure gradients in patients with valvar pulmonary stenosis. Rao PS. **Int J Cardiol** 1987 May;15(2):195–203

[Noninvasive assessment of the degree of cardiovascular stenosis by velocimetry: accuracy for pressure gradient prediction] Hanya S, et al. **Kokyu To Junkan** 1987 Mar; 35(3):317–23 (Eng. Abstr.) **(Jpn)**

[Left ventricular deformity as a predictor of right ventricular systolic hypertension in children: a cross-sectional echocardiographic study] Sano S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):818–22 (Eng. Abstr.) **(Jpn)**

[Hemodynamic studies of pure pulmonary stenosis before and after surgery] Wada Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):362–9 (Eng. Abstr.) **(Jpn)**

[Calculation of the pressure gradient in aortic and pulmonary stenosis using pulsed Doppler. Our experience in pediatric patients] Casaldáliga J, et al. **Rev Esp Cardiol** 1986;39 Suppl 1:52–8 (Eng. Abstr.) **(Spa)**

SURGERY

Single coronary artery complicating repair of pulmonic stenosis. Sherman FS, et al. **Am Heart J** 1987 Mar; 113(3):825–7

Surgical intervention in neonates with critical pulmonary stenosis. Merrill WH, et al. **Ann Surg** 1987 Jun;205(6):712–8

Anasarca due to pulmonic valve regurgitation with low pulmonary vascular resistance. Cook DJ, et al. **Can J Cardiol** 1987 May;3(4):162–3

Transaortic closure of ventricular septal defect in patients with corrected transposition with pulmonary stenosis or atresia. Russo P, et al. **Circulation** 1987 Sep;76(3 Pt 2):III88–92

Operative balloon pulmonary valvuloplasty. Walls JT, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):792–3

Surgical management of pulmonary atresia, and critical pulmonary stenosis with intact ventricular septum. Ishizawa E, et al. **Tohoku J Exp Med** 1986 Oct;

150(2):135–44
[Results of treatment of infants with pulmonary atresia and critical pulmonary stenosis with intact ventricular septum] Rigler B, et al. **Helv Chir Acta** 1987 Feb;53(4):485–7 (Eng. Abstr.) **(Ger)**
[A case of successful arterial switch repair for transposition of the great arteries associated with pulmonary stenosis] Ikeda T, et al. **Kyobu Geka** 1987 Jan;40(1):19–24 (Eng. Abstr.) **(Jpn)**
[A case of ventricular septal defect and pulmonary stenosis with left pulmonary hypoplasia] Takeda S, et al. **Kyobu Geka** 1987 Apr;40(5):417–20 (Eng. Abstr.) **(Jpn)**
[Correction of aortic subvalvular stenosis, interventricular septal defect and pulmonary valve stenosis combined with the correction of transposition of the great vessels] Belousov IuV, et al. **Grudn Khir** 1987 Jan–Feb;(1):74–5 **(Rus)**
[Intraoperative pulmonary balloon valvuloplasty in pulmonary valve stenosis] Medina A, et al. **Rev Esp Cardiol** 1986 Sep–Oct;39(5):381–3 (Eng. Abstr.) **(Spa)**

THERAPY

Successful balloon angioplasty of peripheral pulmonary stenosis in Williams syndrome. D'Orsogna L, et al. **Am Heart J** 1987 Sep;114(3):647–8
Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis. Snyder MS, et al. **Am Heart J** 1987 Jan;113(1):198–200
Catheter rupture during balloon valvuloplasty. Weinhaus L, et al. **Am Heart J** 1987 Apr;113(4):1035–6
Right ventricular pulsus alternans during acute increase in afterload during balloon pulmonic valvuloplasty. Henry JG, et al. **Am J Cardiol** 1987 Aug 1;60(4):412–3
Percutaneous angioplasty for peripheral pulmonary stenosis in an adult. Hoekenga DE, et al. **Am J Cardiol** 1987 Jan 1;59(1):188–9
Use of a double balloon technique for percutaneous balloon pulmonary valvotomy in adults. Al Kasab S, et al. **Br Heart J** 1987 Aug;58(2):136–41
The dysplastic pulmonary valve: echocardiographic features and results of balloon dilatation. Musewe NN, et al. **Br Heart J** 1987 Apr;57(4):364–70
Transcatheter treatment of pulmonary stenosis and coarctation of the aorta: experience with percutaneous balloon dilatation. Rao PS. **Br Heart J** 1986 Sep;56(3):250–8
Trefoil balloon for percutaneous valvuloplasty. Meier B, et al. **Cathet Cardiovasc Diagn** 1986;12(4):277–81
Balloon dilatation of porcine bioprosthetic valves in the pulmonary position. Waldman JD, et al. **Circulation** 1987 Jul;76(1):109–14
Percutaneous balloon valvotomy of congenital pulmonary stenosis using oversized balloons. Radtke W, et al. **J Am Coll Cardiol** 1986 Oct;8(4):909–15
Transluminal balloon valvotomy for pulmonic stenosis in an adult. Cooke JP, et al. **Mayo Clin Proc** 1987 Apr; 62(4):306–11
Percutaneous pulmonary valvuloplasty with a double-balloon technique. Park JH, et al. **Radiology** 1987 Sep;164(3):715–8
Morphologic effects of percutaneous balloon pulmonary valvuloplasty. Walls JT, et al. **South Med J** 1987 Apr; 80(4):475–8
[Percutaneous balloon pulmonary valvuloplasty (PBPV)] Chen CR, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Jun; 14(3):132–4, 190 (Eng. Abstr.) **(Chi)**
[Use of percutaneous angioplasty in congenital pulmonary valve constriction. Personal experience of 21 cases] Douek P, et al. **Ann Radiol (Paris)** 1987;30(2):81–6 (Eng. Abstr.) **(Fre)**
[Non-surgical treatment of pulmonary valve stenosis] Losay J, et al. **Arch Fr Pediatr** 1986 Jun–Jul;43(6):377–81 (Eng. Abstr.) **(Fre)**
[Problems posed by percutaneous pulmonary valvuloplasty in children] Piéchaud JF, et al. **Arch Mal Coeur** 1987 Apr; 80(4):413–9 (Eng. Abstr.) **(Fre)**
[Percutaneous balloon dilatation of pulmonary valve stenosis] Lammer J, et al. **ROFO** 1987 Mar;146(3):255–8 (Eng. Abstr.) **(Ger)**
[Percutaneous pulmonary valvuloplasty in adults] Leisch F, et al. **Z Kardiol** 1986 Jul;75(7):426–30 (Eng. Abstr.) **(Ger)**
[Percutaneous dilatation of pulmonary valve stenosis] Squarcia U, et al. **Pediatr Med Chir** 1986 Mar–Apr; 8(2):149–52 (Eng. Abstr.) **(Ita)**
[Balloon dilatation of heart valve stenoses. Treatment of congenital aortic and pulmonary valve stenosis with a balloon catheter (balloon valvuloplasty)] Sørland SJ, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):947–9 (Eng. Abstr.) **(Nor)**

PULMONARY VEINS

Hepatogenic pulmonary angiodysplasia treated with coil-spring embolization. Felt RW, et al. **Chest** 1987 Jun; 91(6):920–2
Radionuclide findings in arteriovenous fistula between left pulmonary artery and vein. Abdel-Dayem HM, et al. **Clin Nucl Med** 1986 Dec;11(12):865–7
Pulmonary vein blood flow velocity waveform—with special reference to pulmonary "systolic runoff" in patients with atrial septal defect. Takaya T, et al. **Jpn Circ J** 1986 May; 50(5):405–15
Retrograde infusion of blood into a pulmonary vein promotes natriuresis in anaesthetized dogs. Sutton PM, et al. **Q J Exp Physiol** 1986 Oct;71(4):609–14
Nonparadoxical systemic artery embolus. Remenchik AP, et al. **Tex Med** 1987 Mar;83(3):53–4
[Embolization of multiple pulmonary arteriovenous fistulas (letter)] Wolf HR, et al. **Dtsch Med Wochenschr** 1986 Dec 19;111(51–52):1989–90 **(Ger)**
[Four cases of pulmonary arteriovenous fistula in 2 years' experience] Kori Y, et al. **Kyobu Geka** 1987 Apr; 40(5):389–96 (Eng. Abstr.) **(Jpn)**
[A case report of a pulmonary arteriovenous fistula treated by fistulectomy—investigation of surgical methods for single cases] Mitani N, et al. **Kyobu Geka** 1987 Jan; 40(1):76–9 (Eng. Abstr.) **(Jpn)**
[A case of pulmonary arteriovenous fistula complicated with brain abscess] Shimono T, et al. **Kyobu Geka** 1986 Sep; 39(9):722–6 (Eng. Abstr.) **(Jpn)**
[A case of pulmonary arteriovenous fistula resembling a peripheral pulmonary artery aneurysm on pulmonary angiography] Tsutsui M, et al. **Kyobu Geka** 1987 Mar; 40(4):338–41 (Eng. Abstr.) **(Jpn)**
[Method of measuring pressure in the pulmonary veins in chronic experiments] Danilov LN, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1440–1 **(Rus)**

ABNORMALITIES

Total anomalous pulmonary venous connection in siblings. Report on three families. Solymar L, et al. **Acta Paediatr Scand** 1987 Jan;76(1):124–7
Unsuspected partial anomalous pulmonary venous drainage in a patient with coronary disease: detection by radionuclide angiography. Baum MS, et al. **Am Heart J** 1986 Oct;112(4):858–9
Accuracy of subcostal two-dimensional echocardiography in prospective diagnosis of total anomalous pulmonary venous connection. Chin AJ, et al. **Am Heart J** 1987 May; 113(5):1153–9
Obstructed pulmonary venous drainage with total anomalous pulmonary venous connection to the coronary sinus. Jonas RA, et al. **Am J Cardiol** 1987 Feb 15;59(5):431–5
Fatal soft-tissue infection complicating pulmonary arteriovenous fistulae. Pearson RK, et al. **Am J Med Sci** 1987 May;293(5):324–7
Surgical management of infants with complex cardiac anomalies associated with reduced pulmonary blood flow and total anomalous pulmonary venous drainage. DeLeon SY, et al. **Ann Thorac Surg** 1987 Feb;43(2):207–11
Concomitant cor triatriatum and coronary sinus total anomalous pulmonary venous connection. Kirk AJ, et al. **Ann Thorac Surg** 1987 Aug;44(2):203–4
Pulmonary venous obstruction following repair of total anomalous pulmonary venous drainage. Schäfers HJ, et al. **Ann Thorac Surg** 1987 Apr;43(4):432–4
Anomalous unilateral single pulmonary vein mimicking partial anomalous pulmonary venous return. Rey C, et al. **Cathet Cardiovasc Diagn** 1986;12(5):330–3
Two-dimensional and pulsed Doppler echocardiography in the postoperative evaluation of total anomalous pulmonary venous connection. Smallhorn JF, et al. **Circulation** 1987 Aug;76(2):298–305
Infant total anomalous pulmonary venous connection: factors influencing timing of presentation and operative outcome. Yee ES, et al. **Circulation** 1987 Sep;76(3 Pt 2):III83–7
Diagnosis and quantitation of pulmonary arteriovenous malformations by factor analysis. Villanueva-Meyer J, et al. **Clin Nucl Med** 1986 Feb;11(2):88–91
Pulsed Doppler echocardiography in the preoperative evaluation of total anomalous pulmonary venous connection. Smallhorn JF, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1413–20
Pulmonary venous obstruction and atrioventricular canal anomalies: role of cor triatriatum and double outlet right atrium. Starc TJ, et al. **J Am Coll Cardiol** 1987 Apr; 9(4):830–3
Common pulmonary vein atresia: a successfully corrected case. Shimazaki Y, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):395–7
Pentalogy of Fallot with total anomalous pulmonary venous drainage (a case report). Khandeparkar JM, et al. **J Postgrad Med** 1987 Jan;33(1):45–7
Anomalous systemic and pulmonary venous connections in conjunction with atriopulmonary anastomosis (Fontan-Kreutzer). Technical considerations. Vargas FJ, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):523–32
Combined contrast echocardiographic and hemodynamic evaluation of atrial septal defect associated with persistent left superior vena cava and partial anomalous pulmonary venous connection. Ferrara N, et al. **JCU** 1987 Jan; 15(1):64–7
Vascular malformations and hypogammaglobulinaemia [letter] Couderc LJ, et al. **Lancet** 1987 Feb 14;1(8529):385
Partial anomalous pulmonary venous connection to the azygos vein with intact atrial septum. Jennings JG, et al. **Pediatr Cardiol** 1986;7(2):115–7
Congenital unilateral pulmonary venous atresia with pulmonary veno-occlusive disease in contralateral lung: an unusual association. Shrivastava S, et al. **Pediatr Cardiol** 1986;7(4):213–9
Congenital pulmonary vein stenosis: a radiographic study. Adey CK, et al. **Radiology** 1986 Oct;161(1):113–7
Repair of total anomalous pulmonary venous connection in adults. Berg GA, et al. **Thorac Cardiovasc Surg** 1986 Dec; 34(6):359–61
[Congenital pulmonary arteriovenous fistula. A report of 4 cases] Sen C, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec; 14(6):346–7 **(Chi)**
[Use of digital subtraction angiography in localizing an anomalous pulmonary vein return in a case of congenital shunt disease] Hacrer W, et al. **Klin Wochenschr** 1987 Jul 1;65(13):614–6 (Eng. Abstr.) **(Ger)**
[Successful surgical correction of a 14-day-old boy with intracardiac total anomalous pulmonary venous connection] Matsumura C, et al. **Kyobu Geka** 1986 Oct; 39(10):805–8 (Eng. Abstr.) **(Jpn)**
[A case report of PAPVR drainage to the coronary sinus] Otaki M, et al. **Kyobu Geka** 1986 Oct;39(10):813–5 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of total anomalous pulmonary venous return—evaluation of five successful cases] Sakata T, et al. **Kyobu Geka** 1987 Apr;40(5):397–404 (Eng. Abstr.) **(Jpn)**
[A simple method for repair of partial anomalous pulmonary venous return to the superior vena cava] Takeuchi Y, et al. **Kyobu Geka** 1987 Jan;40(1):35–8 (Eng. Abstr.) **(Jpn)**
[Intra-atrial conduit repair of Scimitar syndrome] Tsuchida K, et al. **Kyobu Geka** 1987 Apr;40(5):430–3 (Eng. Abstr.) **(Jpn)**
[Successful correction of an infradiaphragmatic total anomalous pulmonary venous connection—a case report] Ishikura Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):396–400 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of total anomalous pulmonary venous return in Japan during the last 5 years] Suzuki Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):944–7 (Eng. Abstr.) **(Jpn)**
[A case of partial anomalous pulmonary venous drainage into the inferior vena cava and left atrium with the scimitar sign] Takeda S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):370–4 (Eng. Abstr.) **(Jpn)**
[Mixed-type total anomalous pulmonary venous return in infancy—surgical correction of 4 cases] Tashiro T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):135–40 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of total anomalous pulmonary venous connection in infancy] Yasui H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):169–77 (Eng. Abstr.) **(Jpn)**
[Successful repair of total anomalous pulmonary venous return of infracardiac type in a 17-hour-old neonate] Yokota M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):524–7 (Eng. Abstr.) **(Jpn)**
[Evaluation of the usefulness of cardiac CT in the diagnosis of congenital anomalies of the pulmonary and systemic veins] Pawlak B, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov–Dec;50(6):293–8 (Eng. Abstr.) **(Pol)**
[Endoscopic diagnosis and surgical correction of partial anomalous drainage of the pulmonary veins] Arapov AD, et al. **Grudn Khir** 1986 Jul–Aug;(4):8–10 (Eng. Abstr.) **(Rus)**
[Topical diagnosis of total abnormal drainage of the pulmonary veins] Pariiskaia TV, et al. **Pediatriia** 1986 Jul; (7):77–8 **(Rus)**
[Congenital pulmonary arteriovenous fistula. Usefulness of M-mode contrast echocardiography] Casaldáliga J, et al. **An Esp Pediatr** 1986 Nov;25(5):391–3 **(Spa)**
[Surgery of partial anomalous pulmonary venous drainage with intact interauricular septum] Cordovilla Zurdo G, et al. **Rev Esp Cardiol** 1987 Mar–Apr;40(2):129–33 (Eng. Abstr.) **(Spa)**
[Partial anomalous pulmonary venous drainage with interauricular communication: surgical considerations, results and postoperative follow-up] Cordovilla Zurdo G, et al. **Rev Esp Cardiol** 1986;39 Suppl 1:73–8 (Eng. Abstr.) **(Spa)**
[Study of cardiac shunts using pulsed echocardiography] Maitre Azcárate MJ, et al. **Rev Esp Cardiol** 1986;39 Suppl 2:66–77 (Eng. Abstr.) **(Spa)**

ANALYSIS

Presence of atrial natriuretic polypeptide in the pulmonary vein and vena cava. Asai J, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1465–70

ANATOMY & HISTOLOGY

Venous pattern of the left apical bronchopulmonary segment (S6) of the human lower lobe. Topol M. **Folia Morphol (Warsz)** 1986;45(3):169–74

EMBRYOLOGY

[Origin of the common pulmonary vein, septation of the primary sinus venosus atrial situs and theory of the "sinus man"] Dor X, et al. **Arch Mal Coeur** 1987 Apr;80(4):483–98 (Eng. Abstr.) **(Fre)**

INNERVATION

Fine structure of the autonomic ganglia of the mouse pulmonary vein. Baluk P, et al. **J Neurocytol** 1987 Apr;

16(2):169–84
[Inter–organ neural communications in the innervation of bronchi and pulmonary circulation vessels] Andriesh VN. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):25–34 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Pulmonary vascular candidiasis and use of central venous catheters in neonates. Knox WF, et al. **J Clin Pathol** 1987 May;40(5):559–65

PATHOLOGY

Pulmonary vascular structural and functional changes in papain–induced emphysema in dogs. Rubin LJ, et al. **Am Rev Respir Dis** 1987 Sep;136(3):704–9
Pulmonary veno–occlusive disease. A report of four cases. Hasleton PS, et al. **Histopathology** 1986 Sep;10(9):933–44
Postnatal atresia of extraparenchymal pulmonary veins, fulminant necrotizing pulmonary arteritis and elevated circulating immune complexes. Kelley KM, et al. **J Am Coll Cardiol** 1987 May;9(5):1043–8
Evidence that hypoxic pulmonary vascular remodeling in rats is polyamine dependent. Atkinson JE, et al. **J Appl Physiol** 1987 Apr;62(4):1562–8

PHYSIOLOGY

A comparative study of glyceryl trinitrate biotransformation and glyceryl trinitrate induced relaxation in bovine pulmonary artery and vein. Kawamoto JH, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1146–50
Pressure–volume relationships in the pulmonary "venous" system in living dogs. Hirakawa S, et al. **Jpn Circ J** 1987 Jan;51(1):33–40

PHYSIOPATHOLOGY

Step response analyses of the cardiovascular system and their application to the measurement of systemic and pulmonary vein compliances. Kamiya A, et al. **Heart Vessels** 1986; 2(2):91–101
Pulsed Doppler echocardiographic assessment of extraparenchymal pulmonary vein flow. Smallhorn JF, et al. **J Am Coll Cardiol** 1987 Mar;9(3):573–9
Pulmonary venous and systemic ventricular inflow obstruction in patients with congenital heart disease: detection by combined two–dimensional and Doppler echocardiography. Vick GW 3d, et al. **J Am Coll Cardiol** 1987 Mar;9(3):580–7

RADIOGRAPHY

Unilateral pulmonary edema due to postlobectomy pulmonary vein thrombosis. Gyves–Ray KM, et al. **AJR** 1987 Jun;148(6):1079–80
A comparative study of intravenous digital subtraction angiography and ventilation–perfusion scans in suspected pulmonary embolism. Piers DB, et al. **Chest** 1987 Jun; 91(6):837–43
Thin slice CT study of solitary pulmonary nodules with emphasis on the relation to vasculatures. Wang X, et al. **Radiat Med** 1986 Jul–Sep;4(3):75–80
Stenosis of individual pulmonary veins: radiologic findings. Belcourt CL, et al. **Radiology** 1986 Oct;161(1):109–12
[Behavior of the blood vessels of the lung on the roentgen image in children with bronchial asthma—determination of the width of the blood vessels] Hegenbarth R, et al. **Rontgenblatter** 1986 Nov;39(11):320–2 (Eng. Abstr.) **(Ger)**
[A case of pulmonary sequestration suggested by CT—special reference to the analysis of pulmonary vascular shadows] Satoh M, et al. **Rinsho Hoshasen** 1987 Jan;32(1):127–30 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Radionuclide evaluation of unilateral pulmonary vein stenosis. Correlation with chest roentgenogram and clinical profiles. Aghaji MC. **J Nucl Med Allied Sci** 1986 Oct–Dec; 30(4):225–9

SURGERY

Pulmonary vein clamping during cardiopulmonary bypass: enhancement of operative field visualization and myocardial hypothermia. Daily PO, et al. **Ann Thorac Surg** 1987 Mar;43(3):338–40
Pulmonary venous obstruction following atrioplasty for partial anomalous pulmonary venous drainage [letter] Voegele LD, et al. **Chest** 1987 May;91(5):791
[Combined surgery of pulmonary vein reconstruction in two cases with advanced pulmonary cancer] Iwanami H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr;35(4):548–54 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Striated myocytes and atrial specific granules in the pulmonary veins of chronically infarcted rat hearts. Larsen TH, et al. **Res Exp Med (Berl)** 1987;187(3):225–36

PULMONARY VENO–OCCLUSIVE DISEASE

COMPLICATIONS

Extreme dyspnea from unilateral pulmonary venous obstruction. Demonstration of a vagal mechanism and relief by right vagotomy. Davies SF, et al. **Am Rev Respir Dis** 1987 Jul;136(1):184–8
Congenital unilateral pulmonary venous atresia with pulmonary veno–occlusive disease in contralateral lung: an unusual association. Shrivastava S, et al. **Pediatr Cardiol** 1986;7(4):213–9

DIAGNOSIS

Pulmonary veno–occlusive disease. Leinonen H, et al. **Acta Med Scand** 1987;221(3):307–10
Sarcoidosis simulating pulmonary veno–occlusive disease. Hoffstein V, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):809–11

ETIOLOGY

Symptomatic pulmonary venous obstruction in adolescence after Mustard's repair of transposition in infancy. Campbell RM, et al. **Am J Cardiol** 1987 May 1;59(12):1218–20
Pulmonary venous obstruction following repair of total anomalous pulmonary venous drainage. Schäfers HJ, et al. **Ann Thorac Surg** 1987 Apr;43(4):432–4
Pulmonary venous obstruction following atrioplasty for partial anomalous pulmonary venous drainage [letter] Voegele LD, et al. **Chest** 1987 May;91(5):791

PATHOLOGY

Pulmonary veno–occlusive disease. A report of four cases. Hasleton PS, et al. **Histopathology** 1986 Sep;10(9):933–44
[A 41–year–old patient with increasing dyspnea and pulmonary artery hypertension] Hettich R, et al. **Internist (Berlin)** 1987 Jun;28(6):396–401 **(Ger)**
[Fatal course of pulmonary vein occlusion as a cause of autonomic seizures] Wagenknecht C, et al. **Kinderarztl Prax** 1987 May;55(5):259–65 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CT demonstration of central pulmonary venous and arterial occlusive diseases. Matsumoto AH, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):640–4

SURGERY

Use of in situ pericardium for surgical relief of pulmonary venous obstruction following Mustard's operation. Corno AF, et al. **Ann Thorac Surg** 1987 Apr;43(4):443–4

PULMONARY VENOUS WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

PULMONARY WEDGE PRESSURE

Frequency of large V waves in the pulmonary artery wedge pressure in ventricular septal defect of acquired (during acute myocardial infarction) or congenital origin. Downes TR, et al. **Am J Cardiol** 1987 Aug 1;60(4):415–7
Beyond the wedge: clinical physiology and the Swan–Ganz catheter. Sharkey SW. **Am J Med** 1987 Jul;83(1):111–22 (51 ref.)
Urinary diagnostic indices in preeclampsia–associated oliguria: correlation with invasive hemodynamic monitoring. Lee W, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):100–3
Relationship of arterial wedge pressure to closing pressure in the pulmonary circulation. Jasper AC, et al. **Am Rev Respir Dis** 1986 Nov;134(5):879–84
Accurate, automated, continuously displayed pulmonary artery pressure measurement. Mitchell MM, et al. **Anesthesiology** 1987 Sep;67(3):294–300
Catheter–induced pulmonary artery perforation associated with an unusual wedge pressure tracing. Takkunen OS, et al. **Can J Anaesth** 1987 Mar;34(2):168–71
Elimination of pulmonary wedge pressure errors commonly encountered in the ICU. Morris AH. **Cardiologia** 1985 Oct; 30(10):941–3
Clinical implication of inadvertent monitoring of pulmonary artery pressure via a "left atrial" catheter.Molajo AO, et al. **Cathet Cardiovasc Diagn** 1987 Jan–Feb;13(1):42–3
Effect of sidelying positions on pulmonary artery pressures. Keating D, et al. **Heart Lung** 1986 Nov;15(6):605–10
Estimation of pulmonary artery pressure by M–mode echocardiography. Kar AK, et al. **Indian Heart J** 1986 Sep–Oct;38(5):387–91
An unusual position of a Swan–Ganz catheter. Baciewicz FA, et al. **Intensive Care Med** 1987;13(3):211–2
Pulmonary capillary wedge pressure monitoring following blood transfusion in cases of chronic severe anaemia. Nand N, et al. **J Assoc Physicians India** 1986 Apr;34(4):261–3
Elevated pulmonary capillary wedge pressure in a patient with hypovolemia. Tuchschmidt J, et al. **J Clin Monit** 1987 Jan;3(1):67–9
Wedge pressure in pulmonary veno–occlusive disease [letter] Wiedemann HP. **N Engl J Med** 1986 Nov 6;315(19):1233
[Pressure changes in the pulmonary artery during general anesthesia and in different ventilation regimens in thoracic surgery] Iordanov I, et al. **Khirurgiia (Sofiia)** 1986; 39(3):10–6 **(Bul)**
[Changes in pulmonary arterial pressure in healthy subjects on the plain and at high altitudes under exercise load] Yang JS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1987 Feb; 15(1):39–41 **(Chi)**
[Swimming after myocardial infarct. Oxygen saturation, pulmonary arterial and capillary pressure in underwater immersion and during swimming after myocardial infarct] Bücking J, et al. **Dtsch Med Wochenschr** 1986 Nov 28; 111(48):1838–41 (Eng. Abstr.) **(Ger)**
[Doppler echocardiographic evaluation of pressure in the pulmonary artery in children with congenital heart defects] Salzer–Muhar U, et al. **Wien Klin Wochenschr** 1986 Nov 7;98(21):744–7 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of nitroglycerin during hemodynamic estimation of valve orifice in patients with mitral stenosis. Halperin JL, et al. **J Am Coll Cardiol** 1987 Aug;10(2):342–8
Cardiovascular effects of ritodrine tocolysis: a new noninvasive method to measure pulmonary capillary pressure during pregnancy. Hadi HA, et al. **Obstet Gynecol** 1987 Oct;70(4):608–12
Extravascular lung water and pulmonary artery pressure with acute respiratory failure—effect of ketanserin administration. Heinrichs W, et al. **Prog Clin Biol Res** 1987; 236B:153–9

PULP CANAL see **DENTAL PULP CAVITY**

PULP CAPPING see **DENTAL PULP CAPPING**

PULP CHAMBER see **DENTAL PULP CAVITY**

PULP NECROSIS see **DENTAL PULP GANGRENE**

PULPECTOMY

see related
DENTAL PULP

PULPITIS

CHEMICALLY INDUCED

'Toxicity to the pulp of a glass–ionomer cement' [letter] Lightfoot CJ. **Br Dent J** 1987 May 9;162(9):329

DRUG THERAPY

[Use of algipor in treating pulpitis] Dmitrieva LA, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct;65(5):28–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dental pulp inflammation; experimental studies in human and monkey teeth. Warfvinge J. **Swed Dent J [Suppl]** 1986; 39:1–36
[Diagnosis and etiology of pulpitis of residue] Li YQ. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Mar; 22(2):106–7, 128 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

[Immunosensitizing effect of experimental pulpal infections] Wen LY. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov; 21(6):375–7 **(Chi)**

PATHOLOGY

Morphometric analysis of teeth with inflamed pulp. Warfvinge J. **J Dent Res** 1987 Jan;66(1):78–83

THERAPY

Periodontal repair of periapical lesions: the borderland between pulpal and periodontal disease. Gold SI, et al. **J Clin Periodontol** 1987 May;14(5):251–6
[Analysis of the therapeutic effect of pulpotomy in young permanent teeth] Yu ZZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Sep;21(5):284–6, 318 (Eng. Abstr.) **(Chi)**
[Use of bone meal for treating pulpitis] Maksimovskiĭ IuM, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):5–7 (Eng. Abstr.) **(Rus)**

PULPOTOMY

see related
DENTAL PULP

Assessment of the systemic distribution and toxicity of formaldehyde following pulpotomy treatment: Part two. Ranly DM, et al. **ASDC J Dent Child** 1987 Jan–Feb; 54(1):40–4
Hard tissue barrier formation in pulpotomized monkey teeth capped with cyanoacrylate or calcium hydroxide for 10 and 60 minutes. Cvek M, et al. **J Dent Res** 1987 Jun; 66(6):1166–74
[Analysis of the therapeutic effect of pulpotomy in young permanent teeth] Yu ZZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Sep;21(5):284–6, 318 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Consequences of endodontic treatment of primary teeth. Part II. A clinical investigation into the influence of formocresol pulpotomy on the permanent successor. Mulder GR, et al. **ASDC J Dent Child** 1987 Jan–Feb;54(1):35–9

METHODS

Consequences of endodontic treatment in primary teeth. Part I: A clinical and radiographic study of the influence of formocresol pulpotomy on the life-span of primary molars. van Amerongen WE, et al. **ASDC J Dent Child** 1986 Sep–Oct;53(5):364–70

Formocresol concerns. A review. Judd PL, et al. **Can Dent Assoc J** 1987 May;53(5):401–4 (50 ref.)

Time to reconsider the use of aldehydes in children's dentistry [editorial] Kenny DJ, et al. **Can Dent Assoc J** 1987 May;53(5):333

PULSATILE FLOW see under **RHEOLOGY**

PULSE

Echocardiographic findings in patients with a positive jugular venous pulse tracing. Ghiringhelli S, et al. **Acta Cardiol (Brux)** 1986;41(3):215–7

The paradox of pulsus paradoxus. Henkind SJ, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):198–203 (60 ref.)

Pulsus alternans during spontaneous angina pectoris. Elbaum DM, et al. **Am J Cardiol** 1986 Nov 15;58(11):1099–100

Right ventricular pulsus alternans during acute increase in afterload during balloon pulmonic valvuloplasty. Henry JG, et al. **Am J Cardiol** 1987 Aug 1;60(4):412–3

Clinical study of objective pulse diagnosis. Yoon SH, et al. **Am J Chin Med** 1986;14(3–4):179–83

Nonhuman primate model for regional wave travel and reflections along aortas. Latham RD, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H299–306

Arterial waveforms and systemic vascular resistance: is there a correlation? Gerber MJ, et al. **Anesthesiology** 1987 Jun; 66(6):823–5

Evaluation of the "tilt test" in children.Fuchs SM, et al. **Ann Emerg Med** 1987 Apr;16(4):386–90

Pulse oximetry. Monitoring arterial hemoglobin oxygen saturation. Bland DS. **AORN J** 1987 Apr;45(4):964–7

Increased pulse pressure in patients with arteriosclerosis obliterans of the lower limbs. Safar ME, et al. **Arteriosclerosis** 1987 May–Jun;7(3):232–7

Mechanism of the dicrotic pulse. Smith D, et al. **Br Heart J** 1986 Dec;56(6):531–4

Arterial wave reflection in heart failure. Laskey WK, et al. **Circulation** 1987 Apr;75(4):711–22

Changes in pulse wave velocity with age in man: a longitudinal series over 20 years. Monnier M. **Experientia** 1987 Apr 15;43(4):378–81

Prevention or attenuation of baroreceptor resetting by pulsatility during elevated pressure. Chapleau MW, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III137–41

A comparison of phasic cardiac responses derived from the electrocardiogram and the peripheral pulse. Barry RJ, et al. **Int J Psychophysiol** 1987 May;5(1):73–8

Pulsus paradoxus [editorial] Dornhorst AC. **Intensive Care Med** 1986;12(6):387–8

Doppler microwave. A clinical assessment of its efficacy as an arterial pulse sensing technique. Papp MA, et al. **Invest Radiol** 1987 Jul;22(7):569–73

Pulsating globe in neurofibromatosis. Harris S. **J Am Optom Assoc** 1987 Jun;58(6):504–5

Measurement in vitro of pulsatile arterial diameter using a helium–neon laser. Brant AM, et al. **J Appl Physiol** 1987 Feb;62(2):679–83

Effects of periods of conditioning stimulation and of neuropeptides on vagal action at the heart. Kilborn MJ, et al. **J Auton Nerv Syst** 1986 Oct;17(2):131–42

The hemodynamic and embolizing forces acting on thrombi—II. The effect of pulsatile blood flow. Basmadjian D. **J Biomech** 1986;19(10):837–45

Simulations of arterial pressure pulses using a transmission line model. LaCourse JR, et al. **J Biomech** 1986; 19(9):771–80

Interdependence of pulse wave variables in the human fetal aorta. Gennser G, et al. **J Biomed Eng** 1987 Jan;9(1):54–8

Pulse pressure in sustained essential hypertension: a haemodynamic study. Safar ME, et al. **J Hypertens** 1987 Apr;5(2):213–8

Reliability of stroke volume to pulse pressure ratio for estimating and detecting changes in arterial compliance. Randall OS, et al. **J Hypertens [Suppl]** 1986 Dec; 4(5):S293–6

Spectral analysis of the CSF pulse wave at different locations in the craniospinal axis. Takizawa H, et al. **J Neurol Neurosurg Psychiatry** 1986 Oct;49(10):1135–41

The significance for morbidity and mortality of Doppler-absent pedal pulses. Felix WR Jr, et al. **J Vasc Surg** 1987 Jun;5(6):849–55

Pulsatile tinnitus, not nocturnal palpitations [letter] Britton BH. **JAMA** 1987 Aug 14;258(6):779

Pulsatile tinnitus. Levine SB, et al. **Laryngoscope** 1987 Apr; 97(4):401–6 (38 ref.)

Cerebrospinal fluid pulse pressure and the pulsatile variation in cerebral blood volume: an experimental study in dogs. van Eijndhoven JH, et al. **Neurosurgery** 1986 Oct; 19(4):507–22

The value of pulsus paradoxus in assessing the child with status asthmaticus. Galant SP, et al. **Pediatrics** 1978 Jan; 61(1):46–51

Racial difference in mean pulse rate of children aged 6 to 11 years. Shekelle RB, et al. **Pediatrics** 1978 Jan; 61(1):119–21

Volvulus of the stomach—an unusual cause of pulsus paradoxus. Hooper TL, et al. **Postgrad Med J** 1986 May; 62(727):377–9

Effects of arousal on habituation of electrodermal versus vasomotor responses. Goldwater BC. **Psychophysiology** 1987 Mar;24(2):142–50

Pulsatile tinnitus. Sila CA, et al. **Stroke** 1987 Jan–Feb; 18(1):252–6

[Léon Fredericq and the descending portion of the second positive wave (1st systolic wave) of the venous pulse: the negative cd or X wave in current nomenclature] Troquet J. **Arch Int Physiol Biochim** 1986 Nov;94(4):281–4 (Eng. Abstr.) **(Fre)**

[Intraocular pulse fluctuations in pressure in neovascularization glaucoma in comparison to other forms of glaucoma (results of direct manometric measurements)] Jaeger W. **Klin Monatsbl Augenheilkd** 1986 Aug; 189(2):104–9 (Eng. Abstr.) **(Ger)**

[Role of isolated changes in the duration of one or two cardiac cycles in the origin of mechanical alternation] Di Lavore P, et al. **Cardiologia** 1987 May;32(5):449–58 (Eng. Abstr.) **(Ita)**

[Clinical usefulness of brachial pulse wave recorder] Tonooka M, et al. **Kokyu To Junkan** 1987 Apr;35(4):411–6 **(Jpn)**

[Circulatory-respiratory tests as indicators of the development of the neuroautonomic system in preschool children] Szewczyk L, et al. **Pediatr Pol** 1986 Jul; 61(7):421–4 (Eng. Abstr.) **(Pol)**

[Use of the technic of variation pulsometry to evaluate the adequacy of infusion therapy among pregnant women with nephropathy] Sukhanova LP, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):67–71 (Eng. Abstr.) **(Rus)**

[Analysis of the interrelationship of the rate of pulse wave spreading to arterial pressure changes in humans under functional loads] Markman VG, et al. **Fiziol Cheloveka** 1987 Mar–Apr;13(2):259–64 **(Rus)**

[Methods and technical aspects of polycardiographic examinations] Riečanský I, et al. **Bratisl Lek Listy** 1986 Dec;86(6):654–61 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Pulse monitoring without ECG is potentially hazardous [letter] Kaminsky AL. **Anesth Analg** 1987 Jul;66(7):695

Hemodynamics and myocardial oxygen metabolism of pulsus alternans in patients with dilative cardiomyopathy. Hasenfuss G, et al. **Clin Cardiol** 1987 May;10(5):323–7

Systemic methionine-enkephalin evokes cardiostimulatory responses in the human. Giles TD, et al. **Peptides** 1987 Jul–Aug;8(4):609–12

[Variation in the functional circulatory value measured by ultrasonic cerebral tomosphygmography during the administration of general intravenous anesthesia] Texier JJ, et al. **Agressologie** 1986 May;27(6):487–94 (Eng. Abstr.) **(Fre)**

PULSE RADIOLYSIS see under **SPECTRUM ANALYSIS**

PULSELESS DISEASE see **AORTIC ARCH SYNDROMES**

PUMPING, INTRA-AORTIC BALLOON see **INTRA-AORTIC BALLOON PUMPING**

PUMPS, INFUSION see **INFUSION PUMPS**

PUNCHED-CARD SYSTEMS

Punched-card aid in rheumatological diagnosis. Balint GP, et al. **Br J Rheumatol** 1987 Feb;26(1):46–50

[A formalized automated card for dynamic observation for a department of resuscitation and intensive therapy] Tsydenov MM, et al. **Anesteziol Reanimatol** 1987 May–Jun; (3):49–52 (Eng. Abstr.) **(Rus)**

PUNCTURE BIOPSY see **BIOPSY, NEEDLE**

PUNCTURES

Percutaneous decompression of cecal volvulus. Patel D, et al. **AJR** 1987 Apr;148(4):747–8

Use of angioplasty balloons in the percutaneous management of biliary calculi: tandem-balloon method. Saeed M, et al. **AJR** 1987 Apr;148(4):745–6

Multiple perforations of the skin by a stylet [letter] Donn SM, et al. **Am J Perinatol** 1986 Oct;3(4):361

Pericardiocentesis using echocardiography. Berger BC. **Cardiovasc Clin** 1985;15(1):269–79

Thoracocentesis. Clinical value, complications, technical problems, and patient experience. Collins TR, et al. **Chest** 1987 Jun;91(6):817–22

Reevaluation of treatment of brain abscess by puncture. Huang KQ. **Chin Med J [Engl]** 1986 Apr;99(4):349–50

Successful treatment of acute subdural haematoma associated with severe bleeding disorder. Verlooy P, et al. **J Neurol** 1987 May;234(4):254–6

Ultrasound-guided paracentesis in the diagnosis of postpartum hemoperitoneum. A report of three cases. Rodriguez MH, et al. **J Reprod Med** 1987 Jun;32(6):456–8

Pediatric venous cutdowns: utility in emergency situations. Iserson KV, et al. **Pediatr Emerg Care** 1986 Dec;2(4):231–4

Guided cyst puncture and aspiration. Sandler CM, et al. **Radiol Clin North Am** 1986 Dec;24(4):527–37

Renal cyst puncture studies. Lang EK. **Urol Clin North Am** 1987 Feb;14(1):91–102

[Laparoscopy and puncture of Douglas' pouch in the diagnosis of extrauterine pregnancy] Mardešić T, et al. **Cesk Gynekol** 1986 Nov;51(9):736–9 **(Cze)**

[Trial therapy of inoperable abdominal hydatid cysts by puncture] Ben Amor N, et al. **Ann Parasitol Hum Comp** 1986;61(6):689–92 (Eng. Abstr.) **(Fre)**

[Post-vitrectomy hemorrhage in a diabetic patient: simple transconjunctivo-scleral puncture with injection of air] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):621–2 **(Fre)**

[Amniocentesis in the 2d trimenon: comparison of 2 technics] Degenhardt F, et al. **Geburtshilfe Frauenheilkd** 1987 Jun; 47(6):393–4 (Eng. Abstr.) **(Ger)**

[Contribution of ultrasound to the results of suprapubic vesical puncture in infants and newborn infants] Ugarte JM, et al. **Rev Chil Pediatr** 1986 May–Jun;57(3):252–5 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Polymicrobial bacterascites. A unique entity in the spectrum of infected ascitic fluid. Runyon BA, et al. **Arch Intern Med** 1986 Nov;146(11):2173–5

Paracentesis of ascitic fluid. A safe procedure. Runyon BA. **Arch Intern Med** 1986 Nov;146(11):2259–61

Complications of nose piercing. Watson MG, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1262

Complications of thoracocentesis [letter] **Chest** 1987 Aug; 92(2):380

Needlestick HIV seroconversion in a nurse [letter] Neisson-Vernant C, et al. **Lancet** 1986 Oct 4;2(8510):814

Major complications following tracheoesophageal puncture for voice rehabilitation. Andrews JC, et al. **Laryngoscope** 1987 May;97(5):562–7

Side effects after diagnostic lumbar puncture and lumbar iohexol myelography. Sand T, et al. **Neuroradiology** 1987; 29(4):385–8

Venepuncture hazards [letter] Dunn HP. **NZ Med J** 1987 Jan 28;100(816):33

Lidocaine skinwheal fails to prevent vasovagal reflex during venipuncture. Mantia AM, et al. **W Va Med J** 1987 Jun; 83(6):273–4

[Pneumomediastinum simulating acute myocardial infarction, after sternal puncture] Naschitz JE, et al. **Harefuah** 1987 Jan 1;112(1):13–4 (Eng. Abstr.) **(Heb)**

[Assessment of the spasm at the puncture site in transbrachial digital subtraction angiography (DSA)] Kuwano H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Feb 25; 47(2):323–5 (Eng. Abstr.) **(Jpn)**

[Iatrogenic osteitis of the calcaneus in the newborn infant] Iacob OC, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Jul–Sep;35(3):259–60 (Eng. Abstr.) **(Rum)**

[Hysterical blindness as a complication of puncture of the maxillary sinus] Vasil'ev AI, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):78–9 **(Rus)**

INSTRUMENTATION

Brachialis Seldinger puncture with use of introducer sheath. Andersen PE Jr. **Br J Radiol** 1985 Aug;58(692):777–8

"Atraumatic" transjugular needle for portal vein puncture in swine. Uchida BT, et al. **Radiology** 1987 May;163(2):580–1

[The ALP-1 apparatus for electrolaser puncture] Beliaev RP, et al. **Med Tekh** 1986 Jul–Aug;(4):58–9 **(Rus)**

METHODS

Intrapartum management of the fetus with idiopathic hydrocephalus. Silver RK, et al. **Am J Perinatol** 1987 Jan; 4(1):16–9

Safe jugular and subclavian venipuncture under ultrasonographic guidance. Machi J, et al. **Am J Surg** 1987 Mar;153(3):321–3

Retrograde intubation of the trachea. McNamara RM. **Ann Emerg Med** 1987 Jun;16(6):680–2

Dermabrasion-Loo-punch-excision technique for the treatment of acne-induced osteoma cutis. Fulton JE Jr. **J Dermatol Surg Oncol** 1987 Jun;13(6):655–9

Evaluating the possibility of uterine transfer by ultrasonically guided transabdominal puncture. Lenz S, et al. **J In Vitro Fert Embryo Transfer** 1987 Feb;4(1):18–22

Micropuncture techniques. Quamme GA, et al. **Kidney Int** 1986 Aug;30(2):152–65 (246 ref.)

Ovarian cysts: management by puncture? [letter] Diernaes E, et al. **Lancet** 1987 May 9;1(8541):1084

Tracheoesophageal puncture simplified. Stewart IA, et al. **Laryngoscope** 1987 May;97(5):639–40

Calyceal puncture for nephrolithotomy using unidimensional x-ray unit. Fourcade RO, et al. **Urology** 1987 Jan;29(1):80–1

[Percutaneous treatment of renal cysts] Kočí K. **Rozhl Chir** 1986 Nov;65(11):720–6 (Eng. Abstr.) **(Cze)**

[Echography-guided puncture of a cystadenocarcinoma of the pancreas (letter)] Eastid C, et al. **Acta Gastroenterol Belg** 1986 Sep–Oct;49(5):539–40 **(Fre)**

[Peripheral artery catheterization by percutaneous puncture in children and young infants] Martins FR, et al. **AMB** 1986 Jul–Aug;32(7–8):131–3 (Eng. Abstr.) **(Por)**

[Modification of the puncture method of diagnosing pneumothorax in the forensic medical examination of a corpse] Guzheedov VN, et al. **Sud Med Ekspert** 1986 Oct–Dec;29(4):57–8 **(Rus)**

[Acute non–calculous Salmonella enteriditis cholecystitis, diagnosis by percutaneous puncture (letter)] Sesé J, et al. **Med Clin (Barc)** 1986 Oct 25;87(13):564–5 **(Spa)**

[Bacteriological diagnosis in the patient with a bladder probe] Wolff LS, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985; 43(1):36–41 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Behaviour therapy for phobia of venepuncture. Steel J, et al. **Diabetic Med** 1986 Sep–Oct;3(5):481

VETERINARY

[Treatment of hepatic hydatid cyst in sheep by echographic puncture] Ben Amor N, et al. **Tunis Med** 1986 Apr; 64(4):325–31 (Eng. Abstr.) **(Fre)**

[Improvement of cardiac puncture in mice] Ohwada K. **Jikken Dobutsu** 1986 Jul;35(3):353–5 (Eng. Abstr.) **(Jpn)**

PUNISHMENT

Patterns of discipline enforcement and the perception of justice in two educational frameworks in Israel. Ichilov O, et al. **Adolescence** 1987 Spring;22(85):97–114

Parental discipline and obsessive compulsive neurosis [letter] Manchanda R, et al. **Can J Psychiatry** 1986 Oct;31(7):698

Predictors and correlates of anger toward and punitive control of toddlers by adolescent mothers. Crockenberg S. **Child Dev** 1987 Aug;58(4):964–75

The punitive uses of the insanity defense: the trial for treason of Edward Oxford (1840). Moran R. **Int J Law Psychiatry** 1986;9(2):171–90

Response cost, reinforcement, and children's Porteus Maze qualitative performance. Neenan DM, et al. **J Abnorm Child Psychol** 1986 Sep;14(3):469–80

Response perseveration in psychopaths. Newman JP, et al. **J Abnorm Psychol** 1987 May;96(2):145–8

Reaction to punishment, reflectivity, and passive avoidance learning in extraverts. Patterson CM, et al. **J Pers Soc Psychol** 1987 Mar;52(3):565–75

Autonomic concomitants of discriminative avoidance and punishment training in the monkey. Raich MS, et al. **Pavlov J Biol Sci** 1979 Oct–Dec;14(4):243–8

Perpetrators' and servers' responsibility and punishment for drunk–driving outcomes. De Joy DM. **Percept Mot Skills** 1987 Apr;64(2):455–60

Potentiation of the propunishment, but not the convulsant action of the beta–carboline DMCM by naltrexone. Duka T, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):595–8

The antianxiety effect of beta–blockers on punished responding. Durel LA, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):371–4

Effects of lesions to the dorsal noradrenergic bundle on counterconditioning of punished barpressing. Tsaltas E, et al. **Physiol Behav** 1987;40(1):7–15

Punishment–induced aggression: a possible mechanism of child abuse. Thyer BA. **Psychol Rep** 1987 Feb;60(1):129–30

Evidence that the amygdala is involved in benzodiazepine and serotonergic effects on punished responding but not on discrimination. Hodges H, et al. **Psychopharmacology (Berlin)** 1987;92(4):491–504

Effects of H1–receptor antagonists on responding punished by histamine injection or electric shock presentation in squirrel monkeys. Katz JL, et al. **Psychopharmacology (Berlin)** 1986;90(4):461–7

The effects of FG 7142 and RO 15–1788 on the release of punished responding produced by chlordiazepoxide and ethanol in the rat. Koob GF, et al. **Psychopharmacology (Berlin)** 1986;90(2):173–8

Analysis of the Pavlovian properties of signals for punishment. Goodall G, et al. **Q J Exp Psychol [B]** 1987 Feb;39(1):1–21

[Non–additivity as evidence of the moral nature of the integration of damage and compensation (published erratum appears in Arch Psychol (Frankf) 1986;138(3):following 209)] Hommers W. **Arch Psychol (Frankf)** 1986;138(2):71–89 (Eng. Abstr.) **(Ger)**

[Psychoanalysis of child abuse] Windaus E. **Psyche (Stuttg)** 1987 Apr;41(4):331–56 (Eng. Abstr.) **(Ger)**

PUPIL

see related
REFLEX, PUPILLARY

The prevalence of simple anisocoria. Lam BL, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):69–73

Effect of pupillary dilatation in flash VER testing. Skalka H, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):321–4

Pupillary changes during dark adaptation in human infants. Hansen RM, et al. **Invest Ophthalmol Vis Sci** 1986 Dec; 27(12):1726–9

The dilation dilemma [letter] **J Am Optom Assoc** 1987 May; 58(5):372

Clinical and legal aspects of pupillary dilation. Alexander LJ, et al. **J Am Optom Assoc** 1987 May;58(5):432–7

Liability for dilation [letter] Lynch WA Jr. **J Am Optom Assoc** 1986 Dec;57(12):882–3

The pupil cycle time. Thompson HS. **J Clin Neuro Ophthalmol** 1987 Mar;7(1):38–9

Dilated tonic pupils in neurosyphilis [letter] Englestein ES, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec; 49(12):1455–7

Pupillary abnormalities: light and sight [letter] Bardenstein DS, et al. **J Pediatr** 1987 Apr;110(4):667–8

Pupillary responses evoked by electrical stimulation of area pretectalis in cats. Shoumura K, et al. **Jpn J Ophthalmol** 1986;30(4):436–52

[The clinical approach to anisocoria. An update] Safran AB. **Bull Mem Soc Fr Ophtalmol** 1986;97:338–42 **(Fre)**

[Various types of persistent pupillary membrane] Bryk E. **Klin Oczna** 1986 May;88(5):164–6 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Hereditary cases of congenital microcoria and goniodysgenesis. Mazzeo V, et al. **Ophthalmic Paediatr Genet** 1986 Aug;7(2):121–5

ANATOMY & HISTOLOGY

Changes in eye position during growth and adult life as based on exophthalmometry, interpupillary distance, and orbital distance measurements. Fledelius HC, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):481–6

DRUG EFFECTS

Miosis and plasma prostaglandin E metabolites during endotoxin fever. Jónasson H. **Acta Physiol Scand** 1987 May; 130(1):11–4

The application of mydriatic effect of enkephalins in mice as a test for screening of opioid peptides. Bień E, et al. **Acta Pol Pharm** 1986;43(2):176–9

Prolonged mydriatic effect of tolazoline in the premature infant [letter] Preis O, et al. **Am J Dis Child** 1987 May; 141(5):476

Intraocular thymoxamine for miosis during surgery. Grehn F. **Am J Ophthalmol** 1987 May 15;103(5):709–11

Effects of decreasing concentrations of tropicamide on sector pupil dilation. Chang FW, et al. **Am J Optom Physiol Opt** 1986 Oct;63(10):804–6

Effect of topical phenylephrine on the equine pupil. Hacker DV, et al. **Am J Vet Res** 1987 Feb;48(2):320–2

Migratory anisocoria—a novel clinical entity [letter] Samaniego F, et al. **Am Rev Respir Dis** 1986 Oct;134(4):844

Action of narcotics on the pupil [letter] Larson MD. **Anaesthesia** 1987 May;42(5):566

Prolonged unilateral mydriasis after nasal septal reconstruction [letter] Gibson BE, et al. **Anesth Analg** 1987 Feb;66(2):197–8

Pupillary diameter and ventilatory CO2 sensitivity after epidural morphine and buprenorphine in volunteers. Ravnborg M, et al. **Anesth Analg** 1987 Sep;66(9):847–51

Preoperative anisocoria from a scopolamine patch [letter] Rosenberg M. **Anesth Analg** 1987 Jul;66(7):693

Pupillary dilation with tropicamide 1% for funduscopic screening. A study of duration of action. Steinmann WC, et al. **Ann Intern Med** 1987 Aug;107(2):181–4

Prevention of surgically induced miosis by diclofenac eye drops. Bonomi L, et al. **Ann Ophthalmol** 1987 Apr; 19(4):142–3, 145

Testing the pupil in Horner's syndrome [letter] Newman NM, et al. **Arch Neurol** 1987 May;44(5):471

Counteracting the effects of mydriatics. Does it benefit the patient? Nelson ME, et al. **Arch Ophthalmol** 1987 Apr; 105(4):486–9

Liposomes are effective carriers for the ocular delivery of prophylactics. Shek PN, et al. **Biochim Biophys Acta** 1987 Aug 20;902(2):229–36

Dissociation of locomotor impairment from mydriasis evoked by clonidine injected into cat's rostral hypothalamus. Beleslin DB, et al. **Brain Res Bull** 1986 Sep;17(3):379–85

Nonreactive pupils due to monoamine oxidase inhibitor overdose. Mallampalli R, et al. **Crit Care Med** 1987 May; 15(5):536–7

Transient bilateral pupillary dilation from scopolamine discs [letter] Patterson JH, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):986–7

Non–vascular action of calcium blockers in migraine: pupillopharmacological study. Fanciullacci M, et al. **Funct Neurol** 1986 Oct–Dec;1(4):533–7

Mydriasis—use of phenylephrine (a dose–response concept). Chawdhary S, et al. **Indian J Ophthalmol** 1984 Jul–Aug; 32(4):213–6

The Paredrine test in normal eyes. A controlled study. Heitman K, et al. **J Clin Neuro Ophthalmol** 1986 Dec; 6(4):228–31

Accidental mydriasis from blue nightshade "lipstick". Rubinfeld RS, et al. **J Clin Neuro Ophthalmol** 1987 Mar; 7(1):34–7

Effects of small doses of bromazepam on pupillary function and on flicker perception in normal subjects [letter] Walser A, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):59–60

Reduced pupillary sensitivity to topical phenylephrine associated with the relaxation response. Lehmann JW, et al. **J Human Stress** 1986 Fall;12(3):101–4

Mydriatic response to topical naloxone in anorexia nervosa [letter] Griffiths MF. **Lancet** 1987 Sep 12;2(8559):638

Unilateral fixed dilated pupil associated with nebulised ipratropium bromide [letter] Helprin GA, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1469

Flurbiprofen—an ophthalmic NSAID. **Med Lett Drugs Ther** 1987 Jun 19;29(742):58–9

Safety of ocular drugs in pediatrics [letter] LaRoche GR. **Ophthalmology** 1987 Feb;94(2):202–3

Unilateral pupillary dilation after Saffan [letter] Fogle B. **Vet Rec** 1987 Jan 17;120(3):70

[Miosis induced by histamine injected into the anterior chamber of isolated pig eyes] Fan HX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):67–9 (Eng. Abstr.) **(Chi)**

[Dynamic light–evoked pupillometry for the differentiation of psychotropic substances] Grünberger J, et al. **Arzneimittelforschung** 1987 Mar;37(3):357–60 (Eng. Abstr.) **(Ger)**

PATHOLOGY

A case of leucocoria caused by visceral larva migrans. Goel RK. **J R Army Med Corps** 1986 Oct;132(3):159–62

[Calcifications in leukokorias: ultrasonic study] Fernandez–Vigo J, et al. **J Fr Ophtalmol** 1987;10(2):141–5 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Synaptic organization in the oculomotor nucleus. Christensen HD, et al. **Ann NY Acad Sci** 1986;473:382–99 (34 ref.)

Pupillary functional asymmetry in patients with muscle contraction headache. Shimomura T, et al. **Cephalalgia** 1986 Sep;6(3):141–5

Effects of low–dose naloxone on subjective alertness and pupil diameter in normal and narcoleptic subjects. Pressman MR, et al. **Clin Neuropharmacol** 1986;9(5):464–8

A simple diagnostic test for pupillary abnormality in diabetic autonomic neuropathy. Smith SA, et al. **Diabetic Med** 1986 Jan;3(1):38–41

Improved photographic assessment of the pupils in the syndromes of Horner and Holmes–Adie. Ramsay DA, et al. **Int Ophthalmol** 1987 Feb;10(1):23–31

Argyll Robertson pupils in lymphocytic meningoradiculitis (Bannwarth's syndrome) [letter] Koudstaal PJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):363–5

Familial iridoplegia. Hersh JH, et al. **J Pediatr Ophthalmol Strabismus** 1987 Jan–Feb;24(1):49–50

The test light affects quantitation of the afferent pupillary defect. Browning DJ, et al. **Ophthalmology** 1987 Jan; 94(1):53–5

[Ophthalmoneurology for the practicing physician] Gloor B. **Schweiz Rundsch Med Prax** 1987 Mar 24;76(13):336–9 (Eng. Abstr.) **(Ger)**

[Pupillary dilatation with mydriatics in diabetes—large population study] Akizawa Y. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):254–9 (Eng. Abstr.) **(Jpn)**

[Modelling of the regulation of pupillary diameter] Ananin VF. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):669–75 **(Rus)**

PHYSIOPATHOLOGY

Spontaneous contractions of the pupillary sphincter in traumatic ophthalmoplegia. Cox TA. **Am J Ophthalmol** 1986 Oct 15;102(4):543–4

Visual field improvement after neodymium: YAG laser puncture of miotic cysts. Schrems W, et al. **Ophthalmic Surg** 1987 May;18(5):342–3

PUPPETS see **PLAY AND PLAYTHINGS**

PURCHASING, HOSPITAL

see related
EQUIPMENT AND SUPPLIES, HOSPITAL

When wishing won't make it so. Walsh V. **Am J Nurs** 1987 Mar;87(3):318–20

Purchasing department returns to tough but fair negotiations. Penney RV. **Dimens Health Serv** 1986 Oct;63(7):38–40, 53

Avoid three common myths when buying an HIS. Wilkinson R. **Hospitals** 1987 Mar 5;61(5):64

ECONOMICS

Buying natural gas directly can save money. Holthaus D. **Hospitals** 1987 Jul 5;61(13):65

Are purchasing practices hurting your cash flow? Traska MR. **Hospitals** 1987 Mar 20;61(6):54

Multis, vendors reexamine payment policies. Traska MR. **Hospitals** 1987 Mar 20;61(6):94, 98

Recent price–fixing rumors questioned. Wilkinson R. **Hospitals** 1986 Nov 5;60(21):86, 89

Preparing for capitation: don't bypass purchasing. Wilkinson R. **Hospitals** 1987 Mar 20;61(6):106, 108

LEGISLATION & JURISPRUDENCE

Legal fog cleared from vendor fees. Burda D. **Hospitals** 1986 Dec 5;60(23):32

Suppliers warned to guard against product resale. Holthaus D. **Hospitals** 1987 Sep 5;61(17):78

Groups grumble about supplier 'price fixing'. Wilkinson R. **Hospitals** 1986 Oct 20;60(20):85

Diversion controversy: hospital voices respond. Wilkinson

R. **Hospitals** 1987 Apr 20;61(8):118

METHODS

Hospitals, suppliers slow to accept bar coding. Holthaus D. **Hospitals** 1987 Jul 20;61(4):70
Are corporate agreements good for business? Holthaus D. **Hospitals** 1987 Aug 20;61(16):62
Powerhouse MD Buyline doubles size in 1986. Wilkinson R. **Hospitals** 1987 Feb 20;61(4):84, 86

ORGANIZATION & ADMINISTRATION

Group purchasing: evaluating groups. Grimes JP. **Am J Hosp Pharm** 1987 Aug;44(8):1794–7
Group purchasing: an overview. Wetrich JG. **Am J Hosp Pharm** 1987 Jul;44(7):1581–92
Selecting computer applications using the RFP process. Walker K. **Dimens Health Serv** 1987 Apr;64(3):18–20
Commitment: the link to success in multis' bids. Nelson S. **Hospitals** 1987 Jul 5;61(13):67
Purchasing to spearhead marketing to physicians. Wilkinson R. **Hospitals** 1987 Jan 5;61(1):55

STANDARDS

Rethinking pharmaceutical industry relationships. Crane VS, et al. **Am J Hosp Pharm** 1987 Aug;44(8):1884–6
Evaluating buying groups: sizzle or steak? McFaul W. **Hospitals** 1987 Jun 20;61(12):101, 105

TRENDS

Who will survive group purchasing shakeout? Holthaus D. **Hospitals** 1987 Oct 5;61(19):140
What's ahead for the full-service contract management industry? Newald J. **Hospitals** 1987 May 20;61(10):70–6
Equipment changes with cost-efficient times. Plant J. **Hospitals** 1987 Apr 20;61(8):106, 108, 110
Where's the power in purchasing? Wilkinson R. **Hospitals** 1987 May 5;61(9):56–63
Sales of specialty supplies up. Wilkinson R. **Hospitals** 1986 Oct 5;60(19):130, 135
IV supply market forecasted by F&S. Wilkinson R. **Hospitals** 1987 Jan 5;61(1):57

PURE RED CELL APLASIA see **RED CELL APLASIA, PURE**

PURGATIVES see **CATHARTICS**

PURINE NUCLEOSIDE PHOSPHORYLASES see under **PENTOSYLTRANSFERASES**

PURINE NUCLEOSIDES

Pyrido[2,1-i]-purines: a new class of fluorescent stains. Odijk WM, et al. **J Histochem Cytochem** 1987 Oct;35(10):1161–3
Synthesis and properties of oligonucleotides containing 2'-deoxynebularine and 2'-deoxyxanthosine. Eritja R, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8135–53

ANALYSIS

[Determination of purine and pyrimidine derivatives in acid-soluble fractions of organs and tissues using high-performance reverse-phase ion-pair chromatography] Toguzov RT, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):133–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and biochemical properties of 8-amino-6-fluoro-9-beta-D-ribofuranosyl-9H-purine. Secrist JA 3d, et al. **J Med Chem** 1986 Oct;29(10):2069–74
Synthesis of acyclonucleosides of imidazole and purine series. Matsumoto H, et al. **Nucleic Acids Symp Ser** 1986;(17):5–8
Synthesis and crystal structures of some 8,5'-carbamoyloxy-bridged purine nucleosides. Minamoto K, et al. **Nucleic Acids Symp Ser** 1986;(17):57–60

DIAGNOSTIC USE

A rapid and sensitive method for the detection of mycoplasmas in infected cell cultures using 6-methyl purine deoxyriboside. Whitaker AM, et al. **Dev Biol Stand** 1987;66:503–9
Comparative studies to determine the efficiency of 6 methylpurine deoxyriboside to detect cell culture mycoplasmas. McGarrity GJ, et al. **In Vitro Cell Dev Biol** 1986 Jun;22(6):301–4

ISOLATION & PURIFICATION

Resolution of racemic carbocyclic analogues of purine nucleosides through the action of adenosine deaminase. Antiviral activity of the carbocyclic 2'-deoxyguanosine enantiomers. Secrist JA 3d, et al. **J Med Chem** 1987 Apr;30(4):746–9
6-Methylpurine, 6-methyl-9-beta-D-ribofuranosylpurine, and 6-hydroxymethyl-9-beta-D-ribofuranosylpurine as antiviral metabolites of Collybia maculata (Basidiomycetes). Leonhardt K, et al. **Z Naturforsch [C]** 1987 Apr;42(4):420–4

METABOLISM

Skeletal muscle adenosine, inosine and hypoxanthine release following ischaemic forearm exercise in myoadenylate deaminase deficiency and McArdle's disease. Sinkeler S, et al. **Adv Exp Med Biol** 1986;195 Pt B:517–23
Identification of purine deoxyribonucleoside kinases from human leukemia cells: substrate activation by purine and pyrimidine deoxyribonucleosides. Sarup JC, et al. **Biochemistry** 1987 Jan 27;26(2):590–7
Dipyridamole-insensitive nucleoside transport in mutant murine T lymphoma cells. Aronow B, et al. **J Biol Chem** 1986 Nov 5;261(31):14467–73
Expression of a novel high-affinity purine nucleobase transport function in mutant mammalian T lymphoblasts. Aronow B, et al. **Mol Cell Biol** 1986 Aug;6(8):2957–62
[Purine nucleoside cycles in chicken tissues] Kokunin VA, et al. **Ukr Biokhim Zh** 1987 Jul-Aug;59(4):41–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Depressor and pressor actions of purine nucleosides and nucleotides in the anaesthetized rat. Delbro D, et al. **Acta Physiol Scand** 1987 Jul;130(3):373–80
Selection of purine nucleoside analogs based on multiple biological and biochemical parameters. Noujaim MJ, et al. **Adv Exp Med Biol** 1986;195 Pt B:165–9
Purine deoxynucleosides and adenosine dialdehyde decrease 5-amino-4-imidazolecarboxamide (Z-base)-dependent purine nucleotide synthesis in cultured T and B lymphoblasts. Boss GR. **Biochem J** 1987 Mar 1; 242(2):425–31
Purine deoxyribonucleosides counteract effects of hydroxyurea on deoxyribonucleoside triphosphate pools and DNA synthesis. Lagergren J, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2985–91
[Effect of purine nucleosides on human leukocytes in normal conditions and in leukemias] Filanovskaia LI, et al. **Eksp Onkol** 1987;9(3):39–43 (Eng. Abstr.) **(Rus)**

TOXICITY

Genetic and biochemical characteristics of three different types of mutants of mammalian cells affected in adenosine kinase. Gupta RS, et al. **Adv Exp Med Biol** 1986;195 Pt B:595–603

PURINE NUCLEOTIDES

ANALYSIS

[Determination of purine and pyrimidine derivatives in acid-soluble fractions of organs and tissues using high-performance reverse-phase ion-pair chromatography] Toguzov RT, et al. **Vopr Med Khim** 1987 Jan-Feb;33(1):133–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Increased rate of de novo purine synthesis and its mechanism in regenerating rat liver. Itakura M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G585–90
Purine deoxynucleosides and adenosine dialdehyde decrease 5-amino-4-imidazolecarboxamide (Z-base)-dependent purine nucleotide synthesis in cultured T and B lymphoblasts. Boss GR. **Biochem J** 1987 Mar 1; 242(2):425–31
Mechanisms of accelerated purine nucleotide synthesis in human fibroblasts with superactive phosphoribosylpyrophosphate synthetases. Becker MA, et al. **J Biol Chem** 1987 Apr 25;262(12):5596–602
Cloning and characterization of a 12-gene cluster from Bacillus subtilis encoding nine enzymes for de novo purine nucleotide synthesis. Ebbole DJ, et al. **J Biol Chem** 1987 Jun 15;262(17):8274–87

BLOOD

Nucleotide synthesis in human erythrocyte: correlations between purines and pyridines. Micheli V, et al. **Biomed Biochim Acta** 1987;46(2-3):S268–72
Reutilization pathway of purine nucleotides in human erythrocytes. Salerno C, et al. **Biomed Biochim Acta** 1987; 46(2-3):S273–7

GENETICS

Replication of DNA containing apurinic sites in human and mouse cells probed with parvoviruses MVM and H-1. Vos JM, et al. **Mol Cell Biol** 1987 Jul;7(7):2620–4

ISOLATION & PURIFICATION

A set of procedures for resolving purine compounds by reversed-phase high performance liquid chromatography: application to the study of purine nucleotide and nucleic acid metabolism. Rotllán P, et al. **Anal Biochem** 1986 Dec; 159(2):377–85

METABOLISM

Properties of cytosol 5'-nucleotidase and its role in purine nucleotide metabolism. Tsushima K. **Adv Enzyme Regul** 1986;25:181–200
Separate mechanisms for cellular uptake of purine nucleotides by B- and T-lymphoblasts. Edwards NL, et al. **Adv Exp Med Biol** 1986;195 Pt B:463–5
Purine nucleotides in human hearts during open heart surgery. Havel M, et al. **Adv Exp Med Biol** 1986;195 Pt B:529–33
Metabolism of purine nucleotide in the liver and kidney of castrated rats. Pizzichini M, et al. **Adv Exp Med Biol** 1986; 195 Pt B:377–80
Purine nucleotide synthesis in cultured rat embryos undergoing organogenesis. Rowe PB, et al. **Adv Exp Med Biol** 1986;195 Pt B:541–6
Importance of purine nucleotide cycle to energy production in skeletal muscle. Flanagan WF, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C795–802
Simulation of the purine nucleotide cycle as an anaplerotic process in skeletal muscle. Canela EI, et al. **Arch Biochem Biophys** 1987 Apr;254(1):142–55
Dose-related effects of methotrexate on purine and pyrimidine nucleotides and on cell-kinetic parameters in MOLT-4 malignant human T-lymphoblasts. Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3557–64
AMP deaminase deficiency: study of the human skeletal muscle purine metabolism during ischaemic isometric exercise. Sinkeler SP, et al. **Clin Sci** 1987 Apr;72(4):475–82
Increased adenylate energy charges in rat liver or primary cultured rat hepatocytes by diisopropyl 1,3-dithiol-2-ylidenemalonate. Itakura M, et al. **Gen Pharmacol** 1987;18(1):13–5
Changes in levels of purine and pyrimidine nucleotides during acute hypoxia and recovery in neonatal rat brain. Hisanaga K, et al. **J Neurochem** 1986 Nov;47(5):1344–50
[Characteristics of purine nucleotide metabolism and GMP-reductase activity in chicken tissues] Kokunin VA, et al. **Ukr Biokhim Zh** 1987 Jul-Aug;59(4):47–52 (Eng. Abstr.) **(Rus)**
[Enzymes of purine nucleotide metabolism as biochemical markers of the differentiation of normal and leukemic cells (review of the literature)] Filanovskaia LI, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):10–7 (60 ref.) **(Rus)**

PHARMACODYNAMICS

Control of uncoupling protein in brown-fat mitochondria by purine nucleotides. Chemical modification by diazobenzenesulfonate. Kopecký J, et al. **Eur J Biochem** 1987 May 4;164(3):687–94

PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS

COMPLICATIONS

Pregnancy in and incidence of xanthine oxidase deficiency. Harkness RA, et al. **J Inherited Metab Dis** 1986;9(4):407–8

DIAGNOSIS

Myoadenylate deaminase deficiency: diagnosis by forearm ischemic exercise testing. Valen PA, et al. **Adv Exp Med Biol** 1986;195 Pt B:525–8

METABOLISM

Hereditary xanthinuria. Evidence for enhanced hypoxanthine salvage. Mateos FA, et al. **J Clin Invest** 1987 Mar; 79(3):847–52

OCCURRENCE

2,8-Dihydroxyadenine urolithiasis: report of an adult case in the United States. Manyak MJ, et al. **J Urol** 1987 Feb; 137(2):312–4

THERAPY

Gene replacement therapy for inborn errors of purine metabolism. Nelson DL, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1065–71

PURINE RECEPTORS see **RECEPTORS, PURINERGIC**

PURINERGIC RECEPTORS see **RECEPTORS, PURINERGIC**

PURINES

Effects of hydration on purine motion in solid DNA. Brandes R, et al. **Biochemistry** 1986 Nov 18;25(23):7744–51
A rapid and sensitive method for the detection of mycoplasmas in infected cell cultures using 6-methyl purine deoxyriboside. Whitaker AM, et al. **Dev Biol Stand** 1987;66:503–9
[Effect of intramolecular interaction on the electron excitation state of nucleic acid components] Rubin IuV, et al. **Biofizika** 1987 May-Jun;32(3):378–82 (Eng. Abstr.) **(Rus)**

ANALYSIS

Tetrathiafulvalene tetracyanoquinodimethane xanthine oxidase amperometric electrode for the determination of biological purines. McKenna K, et al. **Anal Chem** 1987 Apr 1;59(7):954–8
Direct analysis of high-performance thin-layer chromatography spots of nucleic purine derivatives by

surface-enhanced Raman scattering spectrometry. Séquaris JM, et al. **Anal Chem** 1987 Feb 1;59(3):525–7

Effect of ischemia on nucleosides and bases in rat liver and hepatoma 3924A. Pillwein K, et al. **Cancer Res** 1987 Jun 15;47(12):3092–6

Anomalous temperature dependence of the phosphorus-31 nuclear magnetic resonance chemical shift in d(CCGG) and d(CCTAGG) at the junction of the pyrimidine stack followed by the purine stack. Takahashi S, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):3987–93

Extracellular adenosine, inosine, hypoxanthine, and xanthine in relation to tissue nucleotides and purines in rat striatum during transient ischemia. Hagberg H, et al. **J Neurochem** 1987 Jul;49(1):227–31

Analysis of purines. Fredholm BB. **Life Sci** 1987 Aug 17; 41(7):837–40

Levels of purine compounds in a perfusate as a biochemical marker of ischemic injury of cold-preserved liver. Nishida T, et al. **Transplantation** 1987 Jul;44(1):16–21

[Principles of the hydrolysis of bound purine and pyrimidine bases in foods and program-controlled calculation of nucleic acid content] Herbel W, et al. **Z Lebensm Unters Forsch** 1987 Jan;184(1):8–10 (Eng. Abstr.) **(Ger)**

[Determination of individual purine and pyrimidine bases in carbohydrate-rich food] Lassek E, et al. **Z Lebensm Unters Forsch** 1987 May;184(5):361–5 (Eng. Abstr.) **(Ger)**

[Features of metabolic disorders of the lymphoid tissue of the palatine tonsils in chronic tonsillitis patients] Toguzov RT, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):37–41 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Hormone-induced stimulation of phosphoribosylpyrophosphate and of purine synthesis in mouse liver in vivo. Boer P, et al. **Adv Exp Med Biol** 1986; 195 Pt B:633–7

Cobalamin inactivation decreases purine and methionine synthesis in cultured human lymphoblasts. Boss GR. **Adv Exp Med Biol** 1986;195 Pt B:639–41

Inhibition of de novo purine synthesis by methylthioadenosine. Gordon RB, et al. **Adv Exp Med Biol** 1986;195 Pt B:659–62

Increase of amidophosphoribosyltransferase activity and phosphoribosylpyrophosphate concentration as the basis for increased de novo purine biosynthesis in the regenerating rat liver. Itakura M, et al. **Adv Exp Med Biol** 1986;195 Pt B:347–55

Mechanism of increased rate of de novo purine biosynthesis in rat liver after bilateral adrenalectomy. Itakura M, et al. **Adv Exp Med Biol** 1986;195 Pt B:337–45

Purine biosynthesis in Chinese hamster cell mutants and human fibroblasts partially deficient in adenylosuccinate lyase. Laikind PK, et al. **Adv Exp Med Biol** 1986;195 Pt B:363–9

Purine synthetic capacities of de novo and salvage pathways in rat hepatoma 3924A cells. Natsumeda Y, et al. **Adv Exp Med Biol** 1986;195 Pt B:371–6

The hormonal regulation of purine biosynthesis: control of the inosinic acid branch point. Pizzichini M, et al. **Adv Exp Med Biol** 1986;195 Pt B:381–4

Purine nucleotide synthesis in cultured rat embryos undergoing organogenesis. Rowe PB, et al. **Adv Exp Med Biol** 1986;195 Pt B:541–6

The mechanism of insulin-induced increase of the rate of de novo purine biosynthesis in primary cultured rat hepatocytes. Tsuchiya M, et al. **Adv Exp Med Biol** 1986; 195 Pt B:623–31

Increased rate of purine biosynthesis in rat liver after bilateral adrenalectomy. Itakura M, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 1):E373–8

Synthesis of purines in human lymphoblast cells deficient in methylthioadenosine phosphorylase activity. Gordon RB, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):1–7

Multifunctional polypeptides for purine de novo synthesis. Henikoff S. **Bioessays** 1987 Jan;6(1):8–13 (31 ref.)

Purine phosphoribosyltransferase (EC 2.4.2.7 and 2.4.2.8) and purine de novo synthesis activity in rat testicular tissue at different stages of development, and their correlation with the circulating levels of gonadotrophins and testosterone, and with structural changes. Allsop J, et al. **Differentiation** 1986;32(2):144–7

Cytokinin production by Agrobacterium and Pseudomonas spp. Akiyoshi DE, et al. **J Bacteriol** 1987 Sep;169(9):4242–8

Phosphate-induced phosphoribosylpyrophosphate elevations to assess deranged folate and purine nucleotide metabolism. Ghitis J, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):90–5

Purine synthesis de novo in cultured lymphoblast cells derived from patients with gout. Gordon RB, et al. **Rheumatol Int** 1987;7(1):1–6

BLOOD

Effects of chronic allopurinol therapy on purine metabolism in Duchenne muscular dystrophy. Castro-Gago M, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):152–7

Purine metabolism in normal and high-ITP human erythrocytes. Attempts to evaluate the ability to store the cells. De Verdier CH, et al. **Biomed Biochim Acta** 1987; 46(2-3):S263–7

CEREBROSPINAL FLUID

Purine and monoamine metabolites in cerebrospinal fluid. Edwards NL, et al. **Adv Exp Med Biol** 1986;195 Pt B:53–6

Suicidal potential in depression: focus on CSF monoamine and purine metabolites. Agren H, et al. **Psychopharmacol Bull** 1986;22(3):656–60

CHEMICAL SYNTHESIS

The synthesis and some biological properties of N-(6-purinyl)peptides. Schäfer K, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):757–68

Synthesis and antiviral activity of 9-[4-hydroxy-3-(hydroxymethyl)but-1-yl]purines. Harnden MR, et al. **J Med Chem** 1987 Sep;30(9):1636–42

9-(2-Fluorobenzyl)-6-(methylamino)-9H-purine hydrochloride. Synthesis and anticonvulsant activity. Kelley JL, et al. **J Med Chem** 1986 Jul;29(7):1133–4

Synthesis, cell growth inhibition, and antitumor screening of 2-(p-n-butylanilino)purines and their nucleoside analogues. Wright GE, et al. **J Med Chem** 1987 Jan; 30(1):109–16

ISOLATION & PURIFICATION

Adecypenol, a unique adenosine deaminase inhibitor containing homopurine and cyclopentene rings. Taxonomy, production and enzyme inhibition. Omura S, et al. **J Antibiot (Tokyo)** 1986 Sep;39(9):1219–24

Dependence of the separation of some biological substances on the carbon content of C18 chemically bonded phases. Buszewski B, et al. **J Chromatogr** 1986 Sep 26;367(1):171–80

Separation of purine derivatives by polymer-bound nucleic acid bases. Yu YS, et al. **Nucleic Acids Symp Ser** 1986; (17):109–12

6-Methylpurine, 6-methyl-9-beta-D-ribofuranosylpurine, and 6-hydroxymethyl-9-beta-D-ribofuranosylpurine as antiviral metabolites of Collybia maculata (Basidiomycetes). Leonhardt K, et al. **Z Naturforsch [C]** 1987 Apr;42(4):420–4

METABOLISM

Purine and pyrimidine metabolism in man V. Part B: Basic science aspects. Festschrift for J.E. Seegmiller. **Adv Exp Med Biol** 1986;195 Pt B:1–701

Purine de novo synthesis and salvage during testicular development in the rat. Allsop J, et al. **Adv Exp Med Biol** 1986;195 Pt B:325–8

Influence of methotrexate on purine and pyrimidine pools and on cell phase distribution of cultured human lymphoblasts. De Abreu RA, et al. **Adv Exp Med Biol** 1986; 195 Pt B:105–11

Purine metabolism in human neuroblastoma cell lines. Kaplinsky C, et al. **Adv Exp Med Biol** 1986;195 Pt B:357–62

Purine enzyme activities as markers of lymphocytic differentiation: studies of lymphocytes from horses with severe combined immunodeficiency (SCID). Magnuson N, et al. **Adv Exp Med Biol** 1986;195 Pt B:421–7

Purine salvage enzymes in Trichomonas vaginalis. Miller RL, et al. **Adv Exp Med Biol** 1986;195 Pt B:573–5

Changes of purine metabolism during differentiation of rat heart myoblasts. Müller MM, et al. **Adv Exp Med Biol** 1986; 195 Pt B:475–84

Metabolism of purine nucleotide in the liver and kidney of castrated rats. Pizzichini M, et al. **Adv Exp Med Biol** 1986; 195 Pt B:377–80

Cell culture models for the study of purine metabolism in human placental tissue. Raivio KO, et al. **Adv Exp Med Biol** 1986;195 Pt B:535–40

Purine salvage in rat heart myoblasts. Schopf G, et al. **Adv Exp Med Biol** 1986;195 Pt B:511–5

Enzyme activities of purine catabolism and salvage in human muscle tissue. Schopf G, et al. **Adv Exp Med Biol** 1986; 195 Pt B:507–9

Ecto-5'-nucleotidase can use IMP to provide the total purine requirements of mitogen-stimulated human T cells and human B lymphoblasts. Thompson LF. **Adv Exp Med Biol** 1986;195 Pt B:467–73

Mechanism of urate production by guinea-pig ileum. Webster DR, et al. **Adv Exp Med Biol** 1986;195 Pt B:239–43

Purine metabolism by guinea-pig ileum. Webster DR, et al. **Adv Exp Med Biol** 1986;195 Pt B:19–28

Purine efflux after cardiac ischemia: relevance to allopurinol cardioprotection. Grum CM, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):H368–73

Formation and release of purine catabolites during hypoperfusion, anoxia, and ischemia. Van Belle H, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H886–93

Conversion of purines to xanthine by Methanococcus vannielii. DeMoll E, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):440–5

Aldehyde oxidase from rabbit liver: specificity toward purines and their analogs. Hall WW, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):36–46

Characterization of the purine-reactive site of the rat testis cytosolic adenylate cyclase. Onoda JM, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1907–12

Alterations of purine salvage pathways during differentiation of rat heart myoblasts towards myocytes. Schopf G, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):319–25

Induction of mouse oocyte maturation in vivo by perturbants of purine metabolism. Downs SM, et al. **Biol Reprod** 1987 Mar;36(2):431–7

Evidence for a direct action of N-methylaspartate on non-neuronal cells. Lehmann A. **Brain Res** 1987 May 12; 411(1):95–101

Release of endogenous and radioactive purines from the rabbit retina. Perez MT, et al. **Brain Res** 1986 Nov 19; 398(1):106–12

The suppression of hippocampal potentials by the benzodiazepine antagonist Ro 15-1788 may be mediated by purines. Stone TW. **Brain Res** 1986 Aug 20; 380(2):379–82

Uptake of purine bases by Trypanosoma cruzi culture epimastigotes. Guimarães RC, et al. **Braz J Med Biol Res** 1986;19(3):339–50

Changes in creatine phosphate, inorganic phosphate, and the purine pattern in dog hearts with time of coronary artery occlusion and effect thereon of mioflazine, a nucleoside transport inhibitor. Van Belle H, et al. **Cardiovasc Res** 1986 Sep;20(9):658–64

Purine catabolism in cafeteria-diet induced obesity in the rat. Gomez D, et al. **Cell Mol Biol** 1987;33(2):167–71

Effects of synaptic activity on the metabolism and release of purines in the rat superior cervical ganglion. McCaman MW, et al. **Cell Mol Neurobiol** 1986 Dec;6(4):349–62

Purine salvage as metabolite and energy saving mechanism in Camelus dromedarius: the recovery of guanine. Mura U, et al. **Comp Biochem Physiol [B]** 1987;87(1):157–60

Studies on purine turnover in the camel (Camelus dromedarius) and zebu (Bos indicus). Mura U, et al. **Comp Biochem Physiol [B]** 1986;84(4):589–93

The role of the HPRT gene in human disease. Jolly DJ. **Horiz Biochem Biophys** 1986;8:123–68 (80 ref.)

Activities of purine metabolising enzymes in lymphocytes of neonates and young children: correlates with immune function. Renouf JA, et al. **Immunol Lett** 1987 Jun; 15(2):161–6

Relation between coronary artery stenosis and myocardial purine metabolism, histology and regional function in humans. Flameng W, et al. **J Am Coll Cardiol** 1987 Jun; 9(6):1235–42

Genetic and physiological characterization of Bacillus subtilis mutants resistant to purine analogs. Saxild HH, et al. **J Bacteriol** 1987 Jul;169(7):2977–83

Binary drugs: conjugates of purines and a peptide that bind to both adenosine and substance P receptors. Jacobson KA, et al. **J Med Chem** 1987 Aug;30(8):1529–32

Biochemistry of an olfactory purinergic system: dephosphorylation of excitatory nucleotides and uptake of adenosine. Trapido-Rosenthal HG, et al. **J Neurochem** 1987 Oct;49(4):1174–82

The relationship of purine metabolism to the macrophage-mediated increase of high energy phosphates in skeletal muscle. Morris AS, et al. **J Surg Res** 1986 Oct; 41(4):339–46

European Symposium on Purine and Pyrimidine Metabolism in Man. Château-d'Oex/Switzerland, September 2–4, 1987. Abstracts of lectures, invited discussions, and posters. **Klin Wochenschr** 1987;65 Suppl 10:1–46

PD 115,199: an antagonist ligand for adenosine A2 receptors. Bruns RF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan;335(1):64–9

Purine-metabolizing enzymes in Babesia divergens. Hassan HF, et al. **Parasitol Res** 1987;73(2):121–5

[The biochemistry of the cancer cell. Purine and pyrimidine metabolism] Pillwein K, et al. **Padiatr Padol** 1986; 21(4):323–34 **(Ger)**

[Purine release from isolated rat heart: an index of the myocardial energy balance] Zucchi R, et al. **Cardiologia** 1987 Jan;32(1):101–7 (Eng. Abstr.) **(Ita)**

[Epidemiology and pathogenesis of disorders of purine metabolism] Thiehle P, et al. **Ter Arkh** 1987;59(4):14–8 **(Rus)**

[Regulation of the metabolism of purine and pyrimidine derivatives—a basis for the diagnosis of pathological states in an experiment and in clinical medicine] Toguzov RT, et al. **Vestn Akad Med Nauk SSSR** 1986;(8):40–52 (Eng. Abstr.) **(Rus)**

[Destruction of muscle tissue and purine compound metabolism in hereditary muscular dystrophy] Toguzov RT, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1646–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Purine and its analogues and radiation damage in Bacillus megaterium spores. Powers EL. **Int J Radiat Biol** 1986 Dec;50(6):983–93

The role of benzodiazepine receptors in the induction of differentiation of HL-60 leukemia cells by benzodiazepines and purines. Ishiguro K, et al. **J Cell Physiol** 1987 May; 131(2):226–34

Sympathetic purinergic vasoconstriction and thermosensitivity in a canine cutaneous vein. Flavahan NA, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):784–9

Effects of purines on human and rat plasma lecithin: cholesterol acyltransferase activity [letter] Gillett MP, et al. **Lipids** 1986 Aug;21(8):531–2

Transversion-specific purine analogue mutagens and the mechanism of hydroxylaminopurine mutagenesis. Murray V. **Mutat Res** 1987 Apr;177(2):189–99

PHYSIOLOGY

Local control of blood pressure by purines. Burnstock G. **Blood Vessels** 1987;24(3):156–60

Evidence for sympathetic, purinergic transmission in the mesenteric artery of the dog. Muramatsu I. **Br J Pharmacol** 1986 Mar;87(3):478–80

Is the purinergic system involved in the control of pathological movements? Caporali MG, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):247–9

[The pharmacology of purine receptors] Sergeev PV, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):115–23 (76 ref.) **(Rus)**

RADIATION EFFECTS

Detection of UV purine photoproducts in a defined sequence of human DNA. Gallagher PE, et al. **Mol Cell Biol** 1986 Feb;6(2):707–9

PURINONES

CHEMICAL SYNTHESIS

Studies on the synthesis of the hypermodified base isolated from rat liver phenylalanine transfer ribonucleic acid. Itaya T, et al. **Nucleic Acids Symp Ser** 1986;(17):49–51

PHARMACODYNAMICS

Atriopeptin II–induced relaxation of rabbit aorta is potentiated by M&B 22,948 but not blocked by haemoglobin. Martin W, et al. **Br J Pharmacol** 1986 Nov; 89(3):557–61

The effect of denbufylline on the viscosity of rat whole blood and on the deformability (filterability) of rat blood cell suspensions. Jukna JJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):445–8

Anomalies in sea–urchin egg development induced by a novel purine isolated from the sea–anemone Bunodosoma caissarum. de Freitas JC, et al. **Toxicon** 1986;24(8):751–5

PURKINJE CELLS

Ectopic Purkinje cells in the cerebellar white matter of normal adult rodents: a Golgi study. Lafarga M, et al. **Acta Anat (Basel)** 1986;127(1):53–8

Reconstruction of the defective cerebellar circuitry in adult Purkinje cell degeneration mutant mice by Purkinje cell replacement through transplantation of solid embryonic implants. Sotelo C, et al. **Neuroscience** 1987 Jan;20(1):1–22

ANALYSIS

Colocalization of microtubule–associated protein 1A and microtubule–associated protein 2 on neuronal microtubules in situ revealed with double–label immunoelectron microscopy. Shiomura Y, et al. **J Cell Biol** 1987 Jun; 104(6):1575–8

The molecular structure of microtubule–associated protein 1A (MAP1A) in vivo and in vitro. An immunoelectron microscopy and quick–freeze, deep–etch study. Shiomura Y, et al. **J Neurosci** 1987 May;7(5):1461–9

CYTOLOGY

Cerebellar foliation in rats. 5. Structural relations between Purkinje cells and heterotopic external granular layer in normal and protein deprived foetal rats. Conradi NG. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):219–23

Process of differentiation of cerebellar Purkinje neurons in the chick embryo. Bertossi M, et al. **Anat Embryol (Berl)** 1986;175(1):25–34

Topographical distribution of Purkinje cells in the uvula and the nodulus projecting to the vestibular nuclei in cats. Shojaku H, et al. **Brain Res** 1987 Jul 21;416(1):100–12

Cell lineage dependent and independent control of Purkinje cell number in the mammalian CNS: further quantitative studies of lurcher chimeric mice. Herrup K, et al. **Dev Biol** 1986 Oct;117(2):417–27

Heterogeneity in the pattern of distribution of the axonal collaterals of Purkinje cells in zone b of the cat's vermis: an intracellular HRP study. Bishop GA, et al. **J Comp Neurol** 1986 Nov 22;253(4):483–99

Noradrenergic innervation of the cerebellar cortex in normal and in Purkinje cell degeneration mutant mice: evidence for long term survival following loss of the two major cerebellar cortical neuronal populations. Felten DL, et al. **Neuroscience** 1986 Aug;18(4):783–93

Monoaminergic nerve terminals in the cerebellar cortex of Purkinje cell degeneration mutant mice: fine structural integrity and modification of cellular environs following loss of Purkinje and granule cells. Triarhou LC, et al. **Neuroscience** 1986 Aug;18(4):795–807

Purkyně cells and Betz cells. Phillips CG. **Physiol Bohemoslov** 1987;36(3):217–23

[Differential localization of Purkinje cells in the cerebellar nodulus and uvula projecting to the vestibular nuclei in cats] Shojaku H. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):999–1011 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

The effects of different concentrations of directly–applied ethanol on the Purkinje cell in vitro. Yamada Y. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Jun;21(2):128–34

Diminished interaction of norepinephrine with climbing fiber inputs to cerebellar Purkinje neurons in aged Fischer 344 rats. Bickford PC, et al. **Brain Res** 1986 Oct 22; 385(2):405–10

Postnatal development of the chemosensitivity of rat cerebellar Purkinje cells to excitatory amino acids. An in vitro study. Dupont JL, et al. **Brain Res** 1987 Jul; 431(1):59–68

Acute ethanol alters the firing pattern and glutamate response of cerebellar Purkinje neurons in culture. Franklin CL, et al. **Brain Res** 1987 Jul 28;416(2):205–18

Progesterone alters GABA and glutamate responsiveness: a possible mechanism for its anxiolytic action. Smith SS, et al. **Brain Res** 1987 Jan 6;400(2):353–9

Locally applied progesterone metabolites alter neuronal responsiveness in the cerebellum. Smith SS, et al. **Brain Res Bull** 1987 Jun;18(6):739–47

Picrotoxin but not bicuculline antagonizes 5–hydroxytryptamine–induced inhibition of cerebellar Purkinje neurons. Lee M, et al. **Exp Neurol** 1987 Sep; 97(3):577–91

Altered Purkinje cell maturation in rats exposed prenatally to ethanol. I. Cytology. Mohamed SA, et al. **Exp Neurol** 1987 Jul;97(1):35–52

Electrophysiological interactions of isomers of cyclazocine with the phencyclidine antagonist metaphit in rat cerebellar Purkinje neurons. Wang Y, et al. **J Neurosci** 1986 Nov; 6(11):3189–96

Desipramine and noradrenergic neurotransmission in aging: failure to respond in aged laboratory animals. Bickford–Wimer PC, et al. **Neuropharmacology** 1987 Jun; 26(6):597–605

Magnetic fields abolish nychthemeral rhythmicity of responses of Purkinje cells to the pineal hormone melatonin in the pigeon's cerebellum. Demaine C, et al. **Neurosci Lett** 1986 Dec 12;72(2):158–62

Comparison of the effect of gamma–aminobutyric acid and its derivative baclofen on the activity of Purkinje cells of frog cerebellum in vitro. Strauss P. **Physiol Bohemoslov** 1986;35(4):289–98

[Effect of ethmozin on the electrophysiologic parameters of Purkinje cells in the sheep heart. The frequency–dependent blockade of sodium channels] Undrovinas AI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):8–15 (Eng. Abstr.) **(Rus)**

[Cumulative effect of alcohol (ethanol) on the activity of the cerebellar Purkinje cells of the cat] Grigor'ian RA, et al. **Neirofiziologiia** 1987;19(1):74–80 (Eng. Abstr.) **(Rus)**

[GABA–activated conductance of mammalian cerebellar neurons] Valeev AE, et al. **Neirofiziologiia** 1986;18(6):836–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Transient expression of choline acetyltransferase–like immunoreactivity in Purkinje cells of the developing rat cerebellum. Gould E, et al. **Brain Res** 1987 Aug; 431(2):303–6

The histochemical pattern of tetrahydrofolate dehydrogenase in the cerebellar postnatal histogenesis of the rat. Nano R, et al. **Cell Mol Biol** 1986;32(6):655–60

Monoclonal antibody to aldolase C: a selective marker for Purkinje cells in the human cerebellum. Royds JA, et al. **Neuropathol Appl Neurobiol** 1987 Jan–Feb;13(1):11–21

IMMUNOLOGY

Anti–Purkinje cell antibody producing B–cell lines from a patient with paraneoplastic cerebellar degeneration. Tsukamoto T, et al. **Arch Neurol** 1987 Aug;44(8):833–7

Antibodies to cardiac Purkinje cells: further characterization in autoimmune diseases and atrioventricular heart block. Obbiassi M, et al. **Clin Immunol Immunopathol** 1987 Feb; 42(2):141–50

Antigenic map of the rat cerebellar cortex: the distribution of parasagittal bands as revealed by monoclonal anti–Purkinje cell antibody mabQ113. Hawkes R, et al. **J Comp Neurol** 1987 Feb 1;256(1):29–41

METABOLISM

Non–phosphorylated and phosphorylated neurofilaments in hypothyroid rat cerebellum. Bignami A, et al. **Brain Res** 1987 Apr 14;409(1):143–5

Immunohistochemical evidence for the coexistence of calcitonin gene–related peptide and glutamate decarboxylase–like immunoreactivities in the Purkinje cells of the rat cerebellum. Kawai Y, et al. **Brain Res** 1987 Apr 21;409(2):371–3

Cerebellar benzodiazepine receptor distribution: an autoradiographic study of the normal C57BL/6J and Purkinje cell degeneration mutant mouse. Rotter A, et al. **Neurosci Lett** 1986 Oct 30;71(1):66–71

Purkinje cell maturation in the light of RNA synthesis. Mareš V, et al. **Physiol Bohemoslov** 1987;36(3):225–32

PATHOLOGY

Golgi study on brain of macular mutant mouse as a model of Menkes kinky hair disease. Kawasaki H, et al. **Acta Neuropathol (Berl)** 1987;72(4):349–54

Quantitative synaptic changes on Purkinje cell dendritic spines of rats born from streptozotocin–induced diabetic mothers. Yamano T, et al. **Brain Dev** 1986;8(3):269–73

PHYSIOLOGY

Developmental changes in the response of cardiac Purkinje fibers to SC–72–14. Morikawa Y, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H771–6

Spontaneous alternation and habituation in Purkinje cell degeneration mutant mice. Lalonde R, et al. **Brain Res** 1987 May 12;411(1):187–9

Reduction of cerebellar norepinephrine alters climbing fiber enhancement of mossy fiber input to the Purkinje cell. McElligott JG, et al. **Brain Res** 1986 Nov 12;397(2):245–52

Astrocytes play a role in regulation of synaptic density. Meshul CK, et al. **Brain Res** 1987 Jan 27;402(1):139–45

Ethanol increases single unit activity in the inferior olivary nucleus. Rogers J, et al. **Brain Res** 1986 Oct 22; 385(2):253–62

Climbing fiber afferent modulation during a visually guided, multi–joint arm movement in the monkey. Wang JJ, et al. **Brain Res** 1987 May 5;410(2):323–9

Response properties of cerebellar neurons to stimulation of the frog glossopharyngeal nerve and tongue. Hanamori T, et al. **Brain Res Bull** 1987 Apr;18(4):491–9

Cerebellar cortical activity during stretch of antagonist muscles. Bourbonnais D, et al. **Can J Physiol Pharmacol** 1986 Sep;64(9):1202–13

Characteristics of junctional regions between Purkinje and ventricular muscle cells of canine ventricular subendocardium. Rawling DA, et al. **Circ Res** 1987 Apr; 60(4):580–5

Cerebellar Purkinje cell activity related to the classically conditioned nictitating membrane response. Berthier NE, et al. **Exp Brain Res** 1986;63(2):341–50

Locomotor deficits in the mutant mouse, Lurcher. Fortier PA, et al. **Exp Brain Res** 1987;66(2):271–86

Long–term effects of 3–acetylpyridine–induced destruction of cerebellar climbing fibers on Purkinje cell inhibition of vestibulospinal tract cells of the rat. Karachot L, et al. **Exp Brain Res** 1987;66(2):229–46

Anterograde transsynaptic degeneration in the deep cerebellar nuclei of Purkinje cell degeneration (pcd) mutant mice. Triarhou LC, et al. **Exp Brain Res** 1987;66(3):577–88

The cerebellar corticonuclear projection from lobule Vb/c of the cat anterior lobe: a combined electrophysiological and autoradiographic study. I. Projections from the intermediate region. Trott JR, et al. **Exp Brain Res** 1987; 66(2):318–38

Response properties and visual receptive fields of climbing and mossy fibers terminating in the flocculus of the monkey. Noda H, et al. **Exp Neurol** 1987 Feb;95(2):455–71

Plasticity of dendrodendritic microcircuits following mitral cell loss in the olfactory bulb of the murine mutant Purkinje cell degeneration. Greer CA, et al. **J Comp Neurol** 1987 Feb 8;256(2):284–98

Initial junctions between developing parallel fibers and Purkinje cells are different from mature synaptic junctions. Landis DM. **J Comp Neurol** 1987 Jun 22;260(4):513–25

Climbing fiber afferent modulation during treadmill locomotion in the cat. Kim JH, et al. **J Neurophysiol** 1987 Mar;57(3):787–802

Involvement of Purkinje cells in evoking saccadic eye movements by microstimulation of the posterior cerebellar vermis of monkeys. Noda H, et al. **J Neurophysiol** 1987 May;57(5):1247–61

The secondary spikes of climbing fibre responses recorded from Purkinje cell axons in cat cerebellum. Campbell NC, et al. **J Physiol (Lond)** 1986 Aug;377:225–35

Taste responses of Purkinje cells in the frog cerebellum. Hanamori T, et al. **Neurosci Lett** 1987 May 19;76(3):285–90

Detection of tracking errors by visual climbing fiber inputs to monkey cerebellar flocculus during pursuit eye movements. Stone LS, et al. **Neurosci Lett** 1986 Dec 12; 72(2):163–8

Inferior olive lesion induces long–term modifications of cerebellar inhibition on Deiters nuclei. Lopiano L, et al. **Neurosci Res** 1986 Nov;4(1):51–61

Signal processing in cerebellar Purkinje cells. Ito M. **Physiol Bohemoslov** 1987;36(3):203–16 (98 ref.)

PHYSIOPATHOLOGY

Intracellular K+ activity, intracellular Na+ activity and maximum diastolic potential of canine subendocardial Purkinje cells from one–day–old infarcts. Dresdner KP, et al. **Circ Res** 1987 Jan;60(1):122–32

Intrinsic neuronal electroresponsiveness and its possible role in epileptogenesis. Llinás RR. **Funct Neurol** 1986 Oct–Dec; 1(4):333–7

RADIATION EFFECTS

Effect of internal irradiation on the maturing Purkinje cells in the rat. A Golgi study. Gopinath G, et al. **J Neurol Sci** 1987 Mar;78(1):93–109

[Effect of microwaves on the spike activity of cerebellar Purkinje cells in the cat] Krylov OA, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):724–9 (Eng. Abstr.) **(Rus)**

[Development of burst activity in cerebellar Purkinje cells in response to decimeter waves] Grigor'ian RA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec;

(6):15–8 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Neuronal transplantation: Purkinje cell replacement and reconstruction of a defective cerebellar circuitry in mice with heredo-degenerative ataxia. Sotelo C. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1479–85

Developmental neurobiology: specificity of cerebellar grafts [news] Dunnett SB. **Nature** 1987 Jun 4–10;327(6121):366–7

Embryonic and adult neurons interact to allow Purkinje cell replacement in mutant cerebellum. Sotelo C, et al. **Nature** 1987 Jun 4–10;327(6121):421–3

ULTRASTRUCTURE

Synapses of the cerebellar cortex molecular layer after chronic alcohol consumption. Tavares MA, et al. **Alcohol** 1987 Mar–Apr;4(2):109–16

Purkinje cell inclusions and 'atelencephaly' in 13q–chromosomal syndrome. Towfighi J, et al. **Arch Pathol Lab Med** 1987 Feb;111(2):146–50

The cytoskeleton of cryofixed Purkinje cells of the chicken cerebellum. Meller K. **Cell Tissue Res** 1987 Jan; 247(1):155–65

Abnormalities of central axons in a dysmyelinative rat mutant. Barron KD, et al. **Exp Mol Pathol** 1987 Aug; 47(1):125–42

Altered Purkinje cell maturation in rats exposed prenatally to ethanol. II. Synaptology. Mohamed SA, et al. **Exp Neurol** 1987 Jul;97(1):53–69

Morphological and physiological differentiation of Purkinje neurons in cultures of rat cerebellum. Gruol DL, et al. **J Neurosci** 1987 May;7(5):1271–93

Confronting cisternae complexes in Purkinje cells of a dog. Nimmo Wilkie JS, et al. **J Submicrosc Cytol** 1987 Jul; 19(3):433–6

Morphology of Purkinje cell axon terminals in intracerebellar nuclei following inferior olive lesion. Rossi F, et al. **Neuroscience** 1987 Jul;22(1):99–112

[Chromatin matrix activity in Purkinje cells and granular cells of the rat cerebellar cortex during postnatal differentiation] Grigor'eva AV. **Biull Eksp Biol Med** 1987 Mar; 103(3):358–61 (Eng. Abstr.) (Rus)

[Changes in the size of the nucleoli of the Purkinje cells in the canine cerebellum in the postresuscitation period] Marshak TL, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):477–9 (Eng. Abstr.) (Rus)

PURKINJE FIBERS see under **HEART CONDUCTION SYSTEM**

PUROMYCIN

Changes in glomerular heparan sulfate in puromycin aminonucleoside nephrosis. Groggel GC, et al. **Am J Pathol** 1987 Sep;128(3):521–7

Glomerular basement membrane anionic charge site changes early in aminonucleoside nephrosis. Mahan JD, et al. **Am J Pathol** 1986 Nov;125(2):393–401

Interaction of puromycin and puromycin aminonucleoside with poly (A)—a proton magnetic resonance investigation. Dhingra MM, et al. **Indian J Biochem Biophys** 1986 Dec; 23(6):316–21

Assignment of ribose carbon–13 resonances of puromycin and its analogs by 2D NMR: correlation between resonance position and electronegativity. Narula SS, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):187–91

Determination of ionization sites and pK values in puromycin and puromycin aminonucleoside by 13C and 1H magnetic resonance. Narula SS, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):306–15

Status of glomerular proteoglycans in aminonucleoside nephrosis. Lelongt B, et al. **Kidney Int** 1987 Jun; 31(6):1299–310

ADMINISTRATION & DOSAGE

Induction of heat shock proteins in Chinese hamster ovary cells and development of thermotolerance by intermediate concentrations of puromycin. Lee YJ, et al. **J Cell Physiol** 1987 Jul;132(1):1–11

ANALOGS & DERIVATIVES

Assignment of ribose carbon–13 resonances of puromycin and its analogs by 2D NMR: correlation between resonance position and electronegativity. Narula SS, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):187–91

Ameliorative effects of dietary protein restriction in chronic aminonucleoside nephrosis. Diamond JR, et al. **J Lab Clin Med** 1987 May;109(5):538–44

Carbocyclic puromycin: synthesis and inhibition of protein biosynthesis. Vince R, et al. **J Med Chem** 1986 Nov; 29(11):2400–3

Effect of captopril on chronic puromycin aminonucleoside nephrosis in rats. Radin MJ, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):279–82

METABOLISM

Studies on the catalytic rate constant of ribosomal peptidyltransferase. Synetos D, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):275–85

Analysis of the puromycin reaction. The ribosomal exclusion principle for AcPhe–tRNA binding re–examined. Geigenmüller U, et al. **Eur J Biochem** 1986 Dec 15; 161(3):715–21

PHARMACODYNAMICS

Reconstitution of Escherichia coli ribosomes containing puromycin–modified S14: functional effects of the photoaffinity labeling of a protein essential for tRNA binding. Kerlavage AR, et al. **Biochemistry** 1986 Dec 2; 25(24):8002–10

Anticancer agents coupled to N–(2–hydroxypropyl)methacrylamide copolymers. I. Evaluation of daunomycin and puromycin conjugates in vitro. Duncan R, et al. **Br J Cancer** 1987 Feb;55(2):165–74

Effects of puromycin, cycloheximide and noradrenaline on cell migration within the crypts and on the villi of the small intestine. A model to explain cell movement in both regions. Kaur P, et al. **Cell Tissue Kinet** 1986 Nov; 19(6):611–25

Structural changes in nucleoli during inhibition of protein– and RNA–biosynthesis. Wachtler F, et al. **Cell Tissue Res** 1987 Mar;247(3):583–9

Inhibition of protein synthesis does not block physiological responses to odors in the frog over the short term. Schafer R, et al. **Comp Biochem Physiol [B]** 1987;86(3):513–8

Uptake of gentamicin by Staphylococcus aureus possessing gentamicin–modifying enzymes: enhancement of uptake by puromycin and N,N'–dicyclohexylcarbodiimide. Gilman S, et al. **J Antimicrob Chemother** 1986 Sep;18(3):301–6

Effect of cycloheximide or puromycin on induction of thermotolerance by sodium arsenite in Chinese hamster ovary cells: involvement of heat shock proteins. Lee YJ, et al. **J Cell Physiol** 1987 Jul;132(1):41–8

Effects of cycloheximide and puromycin on cytotoxic activity of Escherichia coli verocytotoxin (Shiga–like toxin). Petric M, et al. **J Clin Microbiol** 1987 Jul; 25(7):1265–8

Protection of Chinese hamster ovary cells from heat killing by treatment with cycloheximide or puromycin: involvement of HSPs? Lee YJ, et al. **Radiat Res** 1987 Aug; 111(2):237–53

TOXICITY

The effect of dilazep on puromycin–induced rat renal mitochondrial dysfunction. Tada M, et al. **Arzneimittelforschung** 1987 May;37(5):509–12

Effects of puromycin on rat embryos in vitro. Flynn TJ, et al. **Experientia** 1987 Apr 15;43(4):433–5

PUROMYCIN AMINONUCLEOSIDE see under **PUROMYCIN**

PURPLE MEMBRANE see **BACTERIORHODOPSIN**

PURPURA

Purpura fulminans. Kumar L, et al. **Indian J Pediatr** 1987 May–Jun;54(3):415–9

BLOOD

Plasma fibronectin in severe infectious purpura of children. Leclerc F, et al. **Crit Care Med** 1986 Dec;14(12):1053–4

COMPLICATIONS

Rhinocerebral mucormycosis in an infant with streptococcal sepsis and purpura fulminans. Lloyd TR, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):575–9

[Myocardial incompetence in meningococcal purpura in children. Early hemodynamic study] Berthier JC, et al. **Presse Med** 1987 Mar 28;16(11):519–22 (Eng. Abstr.) (Fre)

[Chronic pigmented purpura] Alcalay J, et al. **Harefuah** 1986 Jun 15;110(12):608–9 (Eng. Abstr.) (Heb)

[Effects of tonsillectomy on juvenile nephritis, involving IgA nephropathy, purpura nephritis and chronic and persistent glomerulonephritis] Maeda H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Sep;89(9):1167–71 (Eng. Abstr.) (Jpn)

DIAGNOSIS

[Ecchymotic patches of the fingers and Gardner–Diamond vascular purpura] Merlen JF. **Phlebologie** 1987 Apr–Jun; 40(2):473–87 (Eng. Abstr.) (Fre)

[A case of splenic peliosis] Fujikawa T, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1155–8 (Eng. Abstr.) (Jpn)

DRUG THERAPY

[High–dose heparin in a patient with purpura fulminans following varicella] Sperl W, et al. **Padiatr Padol** 1986; 21(3):283–8 (Eng. Abstr.) (Ger)

ETIOLOGY

Hemorrhagic complications of varicella. Maness DL, et al. **Am Fam Physician** 1987 Feb;35(2):151–5

Puhang–induced purpura. Eun HC, et al. **Contact Dermatitis** 1986 Sep;15(3):191

Livedo reticularis and purpura: presenting features in fulminant pneumococcal septicemia in an asplenic patient. Rusonis PA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1120–2

Comparative distribution of petechial haemorrhages as a function of aircraft cockpit geometry. Whinnery JE. **J Biomed Eng** 1987 Jul;9(3):201–5

Effect of dye laser pulse duration on selective cutaneous vascular injury. Garden JM, et al. **J Invest Dermatol** 1986 Nov;87(5):653–7

Petechiae and urticaria after DTP vaccination: detection of circulating immune complexes containing vaccine–specific antigens [published erratum appears in J Pediatr 1987 Jul;111(1):162] Lewis K, et al. **J Pediatr** 1986 Dec; 109(6):1009–12

The predictive value of petechiae in adults with bacterial meningitis [letter] Mancebo J, et al. **JAMA** 1986 Nov 28; 256(20):2820

Purpura fulminans in meningococcemia: association with acquired deficiencies of proteins C and S [letter] Powars DR, et al. **N Engl J Med** 1987 Aug 27;317(9):571–2

[Posttransfusion purpura caused by ant–Zw b (P1(A2)] Ovesen H, et al. **Ugeskr Laeger** 1986 Oct 20; 148(43):2769–70 (Eng. Abstr.) (Dan)

[Purpura fulminans associated with a C7 deficiency] Vigouroux C, et al. **Ann Fr Anesth Reanim** 1987;6(1):50–1 (Eng. Abstr.) (Fre)

[Purpura fulminans in children. Current aspects] Leclerc F. **Arch Fr Pediatr** 1987 Feb;44(2):137–44 (122 ref.) (Fre)

[DF2 septicemia associated with purpura and respiratory distress syndrome in the adult (letter)] Perdrix JP, et al. **Presse Med** 1987 May 30;16(20):1006 (Fre)

[Severe heterozygous protein C deficiency with relapsing purpura fulminance from the newborn period] Oka T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1971–6 (Eng. Abstr.) (Jpn)

[Annular purpura in systemic lupus erythematosus (letter)] Vázquez López F, et al. **Rev Clin Esp** 1986 Nov; 179(7):384–5 (Spa)

IMMUNOLOGY

Autoerythrocyte sensitization worsened by a copper–containing IUD. Grossman RA. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):526–8

Post–transfusion purpura associated with anti–Baka and anti–PIA2 platelet antibodies and delayed haemolytic transfusion reaction. Chapman JF, et al. **Vox Sang** 1987; 52(4):313–7

MICROBIOLOGY

The diagnosis of meningococcal meningitis [letter] Ratner H. **JAMA** 1987 Mar 20;257(11):1474–5

MORTALITY

Severe infectious purpura in children [letter] Aldamiz–Echevarria LA, et al. **Intensive Care Med** 1986; 12(5):385

OCCURRENCE

[Epidemiological study of severe forms of infectious purpura in 1984. National survey of the Club Français de Réanimation Pédiatrique] Roze JC, et al. **Arch Fr Pediatr** 1987 May;44(5):379–81 (Eng. Abstr.) (Fre)

[Epidemiological and prognostic aspects of purpura fulminans in children. Regional survey] Frappat P. **Pediatrie** 1987;42(1):41–3 (Eng. Abstr.) (Fre)

PATHOLOGY

Mask phenomenon: postemesis facial purpura [letter] **Cutis** 1986 Nov;38(5):327

Idiopathic pigmented purpuric eruption with palmar–plantar involvement. Geary RC Jr, et al. **Cutis** 1987 Aug; 40(2):109–13

Purpuric papules and vesicles of the palms in dermatitis herpetiformis [letter] Pierce DK, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1274–6

[Cold urticaria and purpura in cryoglobulinemia] Mittelbach F. **Z Hautkr** 1987 Mar 15;62(6):481–90, 495–6 (Eng. Abstr.) (Ger)

[Purpura following bithermotest in cryoglobulinemia] Mittelbach F. **Z Hautkr** 1987 Mar 15;62(6):502–5 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Purpuras fulminans: development over a 15–year period] Unal D, et al. **Pediatrie** 1986 Oct–Nov;41(7):529–36 (Eng. Abstr.) (Fre)

[Course of fulminating purpura in adults: apropos of 3 cases (letter)] Sánchez Navarro JJ, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):735 (Spa)

THERAPY

Purpura fulminans in an adult. Tishler M, et al. **Isr J Med Sci** 1986 Nov;22(11):820–2

PURPURA, HYPERGLOBULINEMIC

[Waldenström's benign hyperglobulinemic purpura] Santiago MB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986

May-Jun;41(3):141-3 (Eng. Abstr.) (Por)

COMPLICATIONS

The kidney in hypergammaglobulinemic purpura. Groggel GC, et al. **Am J Kidney Dis** 1987 Feb;9(2):172-5
Benign hypergammaglobulinemic purpura of Waldenström associated with Sjögren's syndrome. Case report and review of immunologic aspects. Ferreiro JE, et al. **Am J Med** 1986 Oct;81(4):734-40

DIAGNOSIS

Hyperglobulinemic purpura, chronic sialoadenitis and the Sjögren syndrome. Waldenström J. **Scand J Rheumatol [Suppl]** 1986;61:139-41

PURPURA, SCHOENLEIN-HENOCH

[Schönlein-Henoch purpura--new findings] Minárik M, et al. **Cesk Pediatr** 1987 Feb;42(2):104-7 (Slo)

BLOOD

[Thrombocytosis and reduced levels of factor VIII in rheumatoid purpura in children] Bost M, et al. **Pediatrie** 1986 Jul-Aug;41(5):401-11 (Eng. Abstr.) (Fre)
[von Willebrand factor--a marker of vascular injury in hemorrhagic vasculitis in children] Barkagan LZ, et al. **Pediatriia** 1987;(2):34-7 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Henoch-Schönlein purpura following thiram exposure. Duell PB, et al. **Arch Intern Med** 1987 Apr;147(4):778-9
Henoch-Schönlein purpura associated with co-dydramol [letter] Richards AJ, et al. **Br J Rheumatol** 1987 Feb; 26(1):65
Henoch-Schönlein purpura induced by chlorpromazine [letter] Aram H. **J Am Acad Dermatol** 1987 Jul;17(1):139-40
Hydralazine induced necrotizing vasculitis. Mehrotra TN, et al. **J Assoc Physicians India** 1986 Jul;34(7):502-3
[Rare side-effects of oral anticoagulant therapy] Birger A, et al. **Harefuah** 1986 Sep;111(5-6):120-2 (Eng. Abstr.) (Heb)

COMPLICATIONS

Henoch-Schönlein purpura complicating staphylococcal endocarditis in a heroin addict. Montoliu J, et al. **Am J Nephrol** 1987;7(2):137-9
Diffuse intrapulmonary hemorrhage and renal failure in adult Henoch-Schönlein purpura. Shichiri M, et al. **Am J Nephrol** 1987;7(2):140-2
Henoch-Schoenlein nephritis in adults [letter] Franco Esteve A, et al. **Clin Nephrol** 1987 Jun;27(6):313-4
IgA nephropathy: Henoch-Schönlein purpura and Berger's disease in one patient. Thorner PS, et al. **Int J Pediatr Nephrol** 1986 Jul-Sep;7(3):131-6
Henoch-Schönlein purpura and the acute scrotum. Clark WR, et al. **J Pediatr Surg** 1986 Nov;21(11):991-2
Prognosis of renal manifestations of Henoch-Schönlein syndrome in adults. A retrospective study of 18 patients. Hubbeling AA, et al. **Neth J Med** 1986;29(10):291-5
Steroid effects on the course of abdominal pain in children with Henoch-Schonlein purpura. Rosenblum ND, et al. **Pediatrics** 1987 Jun;79(6):1018-21
The clinical course of IgA-nephropathy and Henoch-Schönlein purpura following renal transplantation. Bachman U, et al. **Transplantation** 1986 Nov;42(5):511-5
[Apropos of rheumatoid purpura and human parvovirus (letter)] Prigent F. **Ann Pediatr (Paris)** 1987 Feb;34(2):174 (Fre)
[Acute pancreatitis in rheumatoid purpura (letter)] Russo M, et al. **Arch Fr Pediatr** 1987 Jun-Jul;44(6):474 (Fre)
[Schönlein-Henoch syndrome. Description of a rarely reported case of intestinal perforation and a case with possible sequelae of acute recurrent synovitis type] Bonenti G, et al. **Minerva Pediatr** 1986 Oct 15;38(19):867-71 (Eng. Abstr.) (Ita)
[Schoenlein-Henoch syndrome. Renal involvement and prognosis] Pela I, et al. **Pediatr Med Chir** 1986 May-Jun; 8(3):321-3 (Eng. Abstr.) (Ita)
[Clinical aspects of the nephropathy in Schoenlein-Henoch syndrome] Verrina E, et al. **Pediatr Med Chir** 1986 May-Jun;8(3):317-20 (Eng. Abstr.) (Ita)
[Clinical course and pathogenesis of Schönlein-Henoch nephropathy] Zurowska A. **Pediatr Pol** 1986 May; 61(5):315-9 (38 ref.) (Pol)
[Acute pancreatitis. An exceptional initial manifestation of Schönlein-Henoch purpura] Mateo Alvarez S, et al. **Rev Clin Esp** 1987 Feb;180(2):88-9 (Eng. Abstr.) (Spa)
[Pulmonary tuberculosis and Schoenlein-Henoch purpura (letter)] Pacheco A, et al. **Rev Clin Esp** 1987 May;180(9):515 (Spa)

DIAGNOSIS

Henoch-Schoenlein nephritis and IgA nephropathy in children: a comparison of clinical course. Yoshikawa N, et al. **Clin Nephrol** 1987 May;27(5):233-7
Symmetrical purpura doesn't mirror child abuse [letter] Menter A. **JAMA** 1987 Jan 23-30;257(4):486
Henoch Schonlein purpura presenting with pulmonary haemorrhage. Payton CD, et al. **Scott Med J** 1987 Feb; 32(1):26-7
[How to diagnose a cutaneous complication of a drug. Application to vascular purpura] Guillaume JC, et al. **Ann Dermatol Venereol** 1987;114(5):721-4 (Fre)
[Schoenlein-Henoch syndrome in children] Kacprzyk SS, et al. **Wiad Lek** 1987 Mar 15;40(6):376-9 (Eng. Abstr.) (Pol)
[Clinical and coagulologic characteristics of hemorrhagic vasculitis] Fazlyeva RM, et al. **Klin Med (Mosk)** 1986 Sep; 64(9):91-5 (Eng. Abstr.) (Rus)

DRUG THERAPY

Henoch-Schönlein vasculitis. Emery H, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):385-8
Effect of dipyridamole treatment on proteinuria in pediatric renal disease. Ueda N, et al. **Nephron** 1986;44(3):174-9
[Therapy of Schöenlein-Henoch syndrome] Tulli D. **Clin Ter** 1987 May 15;121(3):245-9 (Ita)
[Monitored anti-aggregation therapy in hemorrhagic vasculitis in children] Anmut Sla, et al. **Revmatologiia (Moskva)** 1986 Oct-Dec;(4):22-4 (Eng. Abstr.) (Rus)

ETIOLOGY

Henoch-Schönlein purpura associated with Legionnaires' disease. Bull PW, et al. **Br Med J** 1987 Jan 24;294(6566):220
Tubercular lymphadenitis with purpura. Singh SP, et al. **J Indian Med Assoc** 1986 Aug;84(8):247-9
Leukocytoclastic vasculitis associated with positive HTLV-III serological findings [letter] Velji AM. **JAMA** 1986 Oct 24-31;256(16):2196-7
[Rheumatoid purpura caused by HIV virus (letter)] Humbert P, et al. **Presse Med** 1987 Jun 27;16(25):1243-4 (Fre)

IMMUNOLOGY

Henoch-Schönlein vasculitis: direct immunofluorescence study of uninvolved skin. Van Hale HM, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):665-70
Anti-alpha-galactosyl antibodies and immune complexes in children with Henoch-Schönlein purpura or IgA nephropathy. Davin JC, et al. **Kidney Int** 1987 May; 31(5):1132-9
[Cryoglobulinemia] Josephsen PG, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1052-5 (Eng. Abstr.) (Dan)
[Immunofluorescent studies on Henoch-Schönlein purpura nephritis and IgA nephropathy in children] Takemura T, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1063-9 (Eng. Abstr.) (Jpn)
[IgA deposits in the glomerular capillary wall in purpura nephritis] Yoshimura M, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1337-43 (Eng. Abstr.) (Jpn)

PATHOLOGY

Recurrent Henoch-Schönlein purpura following renal transplantation. Nast CC, et al. **Am J Kidney Dis** 1987 Jan; 9(1):39-43
Henoch-Schoenlein nephritis in adults: a clinical and morphological study. Lee HS, et al. **Clin Nephrol** 1986 Sep; 26(3):125-30
Lysis of the glomerular basement membrane in children with IgA nephropathy and Henoch-Shönlein nephritis. Yoshikawa N, et al. **J Pathol** 1986 Oct;150(2):119-26
[Hypereosinophilia syndrome--a case report] Zollmann C, et al. **Dermatol Monatsschr** 1987;173(5):268-71 (Eng. Abstr.) (Ger)
[Kidney sonography in glomerulopathies in childhood] Trappe BO, et al. **Z Urol Nephrol** 1986 Aug;79(8):459-64 (Eng. Abstr.) (Ger)
[Kidney lesions in hemorrhagic vasculitis] Diadyk AI, et al. **Revmatologiia (Moskva)** 1986 Jul-Sep;(3):51-6 (117 ref.) (Rus)

RADIOGRAPHY

The radiological features of Henoch-Schonlein purpura in the gastro intestinal tract. Doyle T, et al. **Australas Radiol** 1986 Nov;30(4):313-6

THERAPY

[Treatment, by plasma exchange, of a severe digestive manifestation of rheumatoid purpura in an adult (letter)] Blanchi A, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):261 (Fre)
[Apheresis of euglobulins, cryoglobulins and the von Willebrand factor in vasculitis] Savchenko VG, et al. **Ter Arkh** 1987;59(6):75-9 (Eng. Abstr.) (Rus)

PURPURA, THROMBOCYTOPENIC

Idiopathic thrombocytopenic purpura of childhood. Emami A. **Indian J Pediatr** 1987 May-Jun;54(3):369-77 (38 ref.)
Pregnancy complicated by immune thrombocytopenic purpura. White R. **Ir Med J** 1987 Mar;80(3):97
[Neonatal thrombocytopenia in infants of mothers with ITP] Aceti G, et al. **Minerva Ginecol** 1986 Nov;38(11):911-3 (Eng. Abstr.) (Ita)

BLOOD

Effect of serum from patients with idiopathic thrombocytopenic purpura on cultured endothelial cell growth. Nakajima T, et al. **Am J Hematol** 1987 Jan; 24(1):15-22
Measurement of platelet-associated IgG in animal models of immune and nonimmune thrombocytopenia. Arnott J, et al. **Blood** 1987 May;69(5):1294-9
Acquired loss of red cell Kell antigens. Vengelen-Tyler V, et al. **Br J Haematol** 1987 Feb;65(2):231-4
Biosynthesis of major platelet proteins in human blood platelets. Kieffer N, et al. **Eur J Biochem** 1987 Apr 1; 164(1):189-95
[Electron microscopy observations on platelet and normal mononuclear reactions in children with idiopathic thrombopenic purpura] Li J, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):31-3 (Chi)
[A case of Kasabach-Merritt syndrome with giant liver hemangioma] Tanaka M, et al. **Rinsho Ketsueki** 1986 Sep; 27(9):1656-60 (Eng. Abstr.) (Jpn)
[Abnormality of blood coagulation in idiopathic thrombocytopenic purpura (ITP)] Wada K, et al. **Rinsho Ketsueki** 1987 Mar;28(3):338-44 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

Thrombocytopenia, eosinophilia, and ranitidine [letter] Gafter U, et al. **Ann Intern Med** 1987 Mar;106(3):477
[Thrombopenia and erythroblastopenia in a 1-month-old infant treated with valproate] Nathan D, et al. **Ann Pediatr (Paris)** 1987 Feb;34(2):149-50 (Eng. Abstr.) (Fre)
[Thrombocytopenic purpura during treatment with pantethine (letter)] Cappelletti C, et al. **Recenti Prog Med** 1987 May;78(5):242 (Ita)
[Toxic thrombocytopenic purpura] Górski J, et al. **Pol Tyg Lek** 1987 Mar 16;42(11):315-7 (Eng. Abstr.) (Pol)
[Thrombopathy caused by beta-lactam antibiotics] Cabrera Ruiz-Lopera JC, et al. **Rev Esp Anestesiol Reanim** 1987 Jan-Feb;34(1):63-6 (Eng. Abstr.) (Spa)

COMPLICATIONS

Osteonecrosis in a patient with immune thrombocytopenic purpura. Smith RE, et al. **Am J Hematol** 1987 Sep; 26(1):97-9
Discordant fetal platelet counts in a twin gestation complicated by idiopathic thrombocytopenic purpura. Moise KJ Jr, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1141-2
Thrombocytopenia in homosexual men [letter] Rosenfelt FP, et al. **Ann Intern Med** 1987 Jun;106(6):911-2
Diabetic ketoacidosis associated with thrombotic thrombocytopenic purpura. Dandona P, et al. **Diabetes Res** 1986 Oct;3(8):433-5
Idiopathic thrombocytopenic purpura subsequent to Graves' disease and insulin-dependent diabetes mellitus. Yamaguchi K, et al. **Diabetes Res Clin Pract** 1987 Jul-Aug;3(4):233-7
Addison's disease in a patient with a history of Hashimoto's thyroiditis (Schmidt's syndrome) and idiopathic thrombocytopenic purpura: report of case and review of literature. Meeker BW, et al. **J Am Osteopath Assoc** 1987 Jan;87(1):82-5
Hemarthrosis and idiopathic thrombocytopenic purpura. Moller DE, et al. **J Rheumatol** 1987 Apr;14(2):382-3
Idiopathic thrombocytopenic purpura in Hodgkin's disease [letter] Hwa J, et al. **Med J Aust** 1987 Feb 2;146(3):167-8
Subdural hematoma secondary to immune thrombocytopenic purpura: case report. Kolluri VR, et al. **Neurosurgery** 1986 Oct;19(4):635-6
Idiopathic thrombocytopenia in childhood. Edinburgh experience 1962-82. Hoyle C, et al. **Scott Med J** 1986 Jul; 31(3):174-9
[Primary biliary cirrhosis associated with autoimmune thrombopenic purpura and pleuropericarditis (letter)] Calès P, et al. **Gastroenterol Clin Biol** 1987 Jun-Jul;11(6-7):518 (Fre)
[Perisinusoidal fibrosis in idiopathic thrombopenic purpura] Lafon ME, et al. **Gastroenterol Clin Biol** 1987 Jun-Jul; 11(6-7):510-3 (Eng. Abstr.) (Fre)
[Turner's syndrome complicated by idiopathic thrombocytopenic purpura] Sugaya N, et al. **Rinsho Ketsueki** 1987 Jan;28(1):118-22 (Eng. Abstr.) (Jpn)
[Association of idiopathic thrombocytopenic purpura with Graves' disease (letter)] Riobó P, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):170 (Spa)

CONGENITAL

[High-dose immunoglobulin therapy for passive ITP (idiopathic thrombocytopenic purpura) in a neonate] Hanada T, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2340-3 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Evans' syndrome as a presenting manifestation of atypical paroxysmal cold hemoglobinuria. Lippman SM, et al. **Am J Med** 1987 May;82(5):1065-72
Idiopathic thrombocytopenic purpura presenting as iron-responsive thrombocytopenia. Michaeli J, et al. **Haemostasis** 1987;17(1-2):105-8
Are platelet-antibody tests worthwhile? [editorial] Harrington WJ. **N Engl J Med** 1987 Jan 22;316(4):211-2
Onyalai in Namibia. Clinical manifestations, haematological

findings, course and management of 103 patients in the Kavango territory. Hesseling PB.
Trans R Soc Trop Med Hyg 1987;81(2):193–6
[Diagnosis of idiopathic thrombocytopenic purpura] Winkelmann M, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):219–21 **(Ger)**

DRUG THERAPY

Successful treatment of a steroid-resistant form of idiopathic thrombocytopenic purpura in pregnancy with high doses of intravenous immunoglobulins. Fabris P, et al.
Acta Haematol (Basel) 1987;77(2):107–10
Danazol therapy in refractory chronic immune thrombocytopenic purpura. Mazzucconi MG, et al.
Acta Haematol (Basel) 1987;77(1):45–7
Corticosteroid treatment of maternal ITP and risk of neonatal thrombocytopenia. Donnér M, et al.
Acta Paediatr Scand 1987 Mar;76(2):369–71
Intravenous gammaglobulin (Gaminume) for treatment of chronic idiopathic thrombocytopenic purpura (ITP): a two-year follow-up. Warrier IA, et al. **Am J Hematol** 1986 Dec;23(4):323–8
Aggressive combination therapy in the successful management of life-threatening intracranial hemorrhage in a patient with idiopathic thrombocytopenic purpura. Hoots WK, et al. **Am J Pediatr Hematol Oncol** 1986 Fall; 8(3):225–30
Use of intravenous methylprednisolone in acute idiopathic thrombocytopenic purpura. Jayabose S, et al.
Am J Pediatr Hematol Oncol 1987 Summer;9(2):133–5
Low-dose danazol therapy in idiopathic thrombocytopenic purpura. Ahn YS, et al. **Ann Intern Med** 1987 Aug; 107(2):177–81
Combination therapy of steroids and immunoglobulin in chronic refractory idiopathic thrombocytopenic purpura (ITP) enabling renal stone fragmentation by lithotripsy. Duncombe AS, et al. **Clin Lab Haematol** 1986;8(4):315–9
Ciclosporine for the treatment of refractory idiopathic thrombocytopenic purpura [letter] Velu TJ, et al.
Eur J Haematol 1987 Jan;38(1):95
Idiopathic thrombocytopenic purpura in adults: response to corticosteroids and splenectomy. Kochupillai V, et al.
J Assoc Physicians India 1986 Aug;34(8):555–8
Idiopathic thrombocytopenic purpura in childhood. A comparison of the effect of treatment with 1 mg/kg and 2 mg/kg/day of prednisolone. Hathirat P, et al.
J Med Assoc Thai 1986 Oct;69 Suppl 2:62–8
Bolus methylprednisolone therapy in adult idiopathic thrombocytopenic purpura. Yoshida K, et al.
Jpn J Med 1987 May;26(2):172–5
Effect of danazol in immune thrombocytopenic purpura. Schreiber AD, et al. **N Engl J Med** 1987 Feb 26; 316(9):503–8
Therapeutic effect of danazol on metrorrhagia in patients with idiopathic thrombocytopenic purpura (ITP). Ambríz R, et al. **Nouv Rev Fr Hematol** 1986;28(5):275–9
Intravenous immunoglobulin therapy for the treatment of idiopathic thrombocytopenic purpura. Bussel JB.
Prog Hemost Thromb 1986;8:103–25 (158 ref.)
Intravenous treatment with gammaglobulin in adults with immune thrombocytopenic purpura: review of the literature. Bussel JB, et al. **Vox Sang** 1987;52(3):206–11 (42 ref.)
Therapy in cytopenia. Bussell J. **Vox Sang** 1986;51 Suppl 2:69–73
An unusual case of post-transfusion purpura: good transient response to high-dose immunoglobulin. Chong BH, et al.
Vox Sang 1986;51(3):182–4
[Evaluation of danazol therapy in chronic refractory idiopathic thrombocytopenic purpura] Dan K, et al.
Rinsho Ketsueki 1986 Sep;27(9):1705–11 (Eng. Abstr.) **(Jpn)**
[Vinca-alkaloid slow infusion therapy in refractory idiopathic thrombocytopenic purpura] Endoh N, et al.
Rinsho Ketsueki 1987 Feb;28(2):194–8 (Eng. Abstr.) **(Jpn)**
[Evaluation of steroid therapy in idiopathic thrombocytopenic purpura] Fujimura K, et al.
Rinsho Ketsueki 1986 Sep;27(9):1693–9 (Eng. Abstr.) **(Jpn)**
[Cyclosporin and refractory idiopathic thrombocytopenic purpura. Possible therapeutic alternative (letter)] Oyonarte S, et al. **Med Clin (Barc)** 1987 May 9;88(18):741–2 **(Spa)**

ETIOLOGY

Post-transfusion purpura secondary to passive transfer of anti-P1A1 by blood transfusion. Ballem PJ, et al.
Br J Haematol 1987 May;66(1):113–4
Post-transfusion purpura. Mueller-Eckhardt C.
Br J Haematol 1986 Nov;64(3):419–24
Post-transfusion purpura (PTP) due to anti-Zwb (-PlA2): the significance of IgG3 antibodies in PTP. Taaning E, et al. **Br J Haematol** 1986 Oct;64(2):217–25
Evans' syndrome associated with microcystic adenoma of the pancreas. Doll DC, et al. **Cancer** 1987 Apr 1; 59(7):1366–8
Thrombocytopenia purpura after combined vaccine against measles, mumps, and rubella [letter] Azeemuddin S.
Clin Pediatr (Phila) 1987 Jun;26(6):318
Thrombocytopenic purpura in Plasmodium falciparum malaria [letter] Sharma PK, et al.
J Assoc Physicians India 1986 Sep;34(9):676
Tubercular lymphadenitis with purpura. Singh SP, et al.
J Indian Med Assoc 1986 Aug;84(8):247–9
Systemic lupus erythematosus in child with autoimmune thrombocytopenic purpura and circulating lupus anticoagulant. Davies SM, et al. **J R Soc Med** 1987 Mar; 80(3):186
Nomifensine-induced immune hemolytic anemia and posttransfusion purpura in the same patient.
Mueller-Eckhardt C, et al. **Transfusion** 1987 May-Jun; 27(3):250–2
[Acute thrombocytopenic purpura associated with Mycoplasma pneumoniae infection] Isoyama K, et al.
Kansenshogaku Zasshi 1987 Feb;61(2):194–8 (Eng. Abstr.) **(Jpn)**
[Post-transfusion thrombocytopenic purpura associated with alloimmunization with Zw alpha (PlA1) platelet antigen] Mašlanka K, et al. **Acta Haematol Pol** 1986 Jan-Jun; 17(1-2):44–55 (Eng. Abstr.) **(Pol)**
[Infectious mononucleosis with thrombocytopenic purpura in a 6-year-old boy] Cyklis R, et al. **Pediatr Pol** 1986 Nov; 61(11):732–4 **(Pol)**
[Thrombocytopenic purpura in a 20-year-old patient with Kasabach-Merritt syndrome] Szmigiel Z, et al.
Wiad Lek 1987 Mar 1;40(5):327–32 (Eng. Abstr.) **(Pol)**
[Chronic thrombocytopenic purpura in a heroin addict (letter)] Munar Ques M, et al. **Sangre (Barc)** 1986; 31(6):776–8 **(Spa)**

FAMILIAL & GENETIC

HLA antigens, blood groups and immunoglobulin levels in idiopathic thrombocytopenic purpura. el-Khateeb MS, et al. **Acta Haematol (Basel)** 1986;76(2-3):110–4
Hereditary thrombocytopenia. Jim RT. **Hawaii Med J** 1987 Feb;46(2):56, 59

IMMUNOLOGY

Evaluation of a simple immunodiffusion technique for quantitation of platelet-associated immunoglobulin G in childhood immune thrombocytopenias. Blanchette V, et al. **Am J Pediatr Hematol Oncol** 1985 Summer;7(2):125–31
Prolonged neonatal alloimmune thrombocytopenic purpura associated with anti-Bak(a). Two cases in siblings [published erratum appears in Am J Perinatol 1987 Apr;4(2):177] Miller DT, et al. **Am J Perinatol** 1987 Jan; 4(1):55–8
Posttransfusion purpura associated with an autoantibody directed against a previously undefined platelet antigen. Stricker RB, et al. **Blood** 1987 May;69(5):1458–63
Immune thrombocytopenic purpura: autoimmune or immune complex disease? Kiefel V, et al. **Br J Haematol** 1986 Sep; 64(1):57–68
Analysis of antigen involved in circulating immune complexes in patients with idiopathic thrombocytopenic purpura. Kurata Y, et al. **Clin Exp Immunol** 1987 Feb; 67(2):293–9
Increased circulating Ia-positive T cells in patients with idiopathic thrombocytopenic purpura. Mizutani H, et al. **Clin Exp Immunol** 1987 Jan;67(1):191–7
Immune modulation by danazol in autoimmune thrombocytopenia. Mylvaganam R, et al.
Clin Immunol Immunopathol 1987 Mar;42(3):281–7
Complement-dependent cytotoxic factor to megakaryocyte progenitors in sera from patients with idiopathic thrombocytopenic purpura. Usuki Y, et al.
Int J Cell Cloning 1986 Nov;4(6):447–63
Mechanisms of thrombocytopenia in chronic autoimmune thrombocytopenic purpura. Evidence of both impaired platelet production and increased platelet clearance. Ballem PJ, et al. **J Clin Invest** 1987 Jul;80(1):33–40
Immune amegakaryocytic thrombocytopenia of the newborn: association with anti-HLA-A2. Evans DI.
J Clin Pathol 1987 Mar;40(3):258–61
Posttransfusion purpura. A survey of 13 cases. Mueller-Eckhardt C, et al. **Klin Wochenschr** 1986 Nov 17; 64(22):1198–203
IgG2 deficiency in autoimmune cytopenias. Bussel J, et al. **Monogr Allergy** 1986;20:116–8
Complement-mediated autoimmune thrombocytopenia. Monoclonal IgM antiplatelet antibody associated with lymphoreticular malignant disease. Lehman HA, et al.
N Engl J Med 1987 Jan 22;316(4):194–8
Immunoregulatory defect in patients with autoimmune thrombocytopenic purpura (ATP). Peller S, et al.
Thymus 1986;8(6):361–7
Q-fever, OX19, OX2 and leptospirosis antibodies in patients with onyalai and in negroid, bushman and white inhabitants of Kavango, Namibia [letter] Wessels G, et al.
Trans R Soc Trop Med Hyg 1986;80(5):847–8
[Clinical uses of monoclonal antibody detection in idiopathic thrombocytopenic purpura] Ji SQ, et al.
Chung Hua Nei Ko Tsa Chih 1987 Feb;26(2):83–5, 125 (Eng. Abstr.) **(Chi)**
[Detection of platelet antibodies in idiopathic thrombopenic purpura] Durand JM, et al. **Rev Med Interne** 1987 Jan-Feb; 8(1):9–12 (Eng. Abstr.) **(Fre)**
[Pregnancy and childbirth in mothers with idiopathic thrombocytopenic purpura (letter)] Mikó T. **Orv Hetil** 1986 Sep 14;127(37):2285 **(Hun)**
[Autoimmune thrombocytopenic purpura and circulating immune complexes] Centurioni R, et al.
Recenti Prog Med 1986 Dec;77(12):554–6 (Eng. Abstr.) **(Ita)**
[Anti-glycoprotein Ib antibodies in patients with chronic idiopathic thrombocytopenic purpura] Tomiyama Y, et al.
Rinsho Ketsueki 1987 Mar;28(3):386–91 (Eng. Abstr.) **(Jpn)**
[Thrombopenic purpura in a group of addicts addicted to parenteral drugs with anti-HTLV-III/LAV antibodies and inversion of the T-helper/T-suppressor cell quotient] Aguilar Ligorti E, et al. **Sangre (Barc)** 1986;31(4):401–10 (Eng. Abstr.) **(Spa)**

MORTALITY

[Practical aspects of intractable nature of idiopathic thrombocytopenic purpura] Omine M, et al.
Rinsho Ketsueki 1986 Sep;27(9):1730–6 (Eng. Abstr.) **(Jpn)**

NURSING

Idiopathic thrombocytopenic purpura in children. Thomas GA, et al. **Nurse Pract** 1987 Apr;12(4):24–7, 30

PATHOLOGY

Periarterial fibrosis in the spleen in idiopathic thrombocytopenic purpura. Berendt HL, et al.
Arch Pathol Lab Med 1986 Dec;110(12):1152–4
Morphometric studies of megakaryocytes in human and rat fetal, infantile and adult hematopoiesis. I. Observations on human fetuses and blood dyscrasias. Izumi T.
Hiroshima J Med Sci 1987 Mar;36(1):25–30
Megakaryocytopoiesis in idiopathic thrombocytopenic purpura. Sugiyama H, et al.
Nippon Ketsueki Gakkai Zasshi 1987 Feb;50(1):119–28

SURGERY

Splenectomy for idiopathic thrombocytopenic purpura. Coon WW. **Surg Gynecol Obstet** 1987 Mar;164(3):225–9

THERAPY

Hemolysis due to high-dose intravenous gammaglobulin treatment for patients with idiopathic thrombocytopenic purpura. Nakamura S, et al. **Acta Haematol (Basel)** 1986; 76(2-3):115–8
Simplified immunoglobulin treatment of idiopathic thrombocytopenic purpura. Rosthøj S, et al.
Acta Paediatr Scand 1987 Jul;76(4):631–5
Intravenous gamma globulin in childhood immune thrombocytopenic purpura (ITP). Sumer T, et al.
Acta Paediatr Scand 1987 Jan;76(1):157–8
Persistent remission of adult chronic autoimmune thrombocytopenic purpura after treatment with high-dose intravenous immunoglobulin. Bierling P, et al.
Am J Hematol 1987 Jul;25(3):271–5
Anti-rhesus antibodies, immune thrombocytopenia, and human immunodeficiency virus treatment [letter] Bierling P, et al. **Ann Intern Med** 1987 May;106(5):773–4
Low-dose autologous in vitro opsonized erythrocytes. Radioimmune method and autologous opsonized erythrocytes for refractory autoimmune thrombocytopenic purpura in adults. Ambriz R, et al. **Arch Intern Med** 1987 Jan;147(1):105–8
Management of splenectomy failures in chronic immune thrombocytopenic purpura: role of accessory splenectomy. Gibson J, et al. **Aust NZ J Med** 1986 Oct;16(5):695–8
Idiopathic thrombocytopenic purpura: an update. Tullis JL.
Compr Ther 1987 Aug;13(8):26–33 (16 ref.)
High dose intravenous gammaglobulin in immune haematological disease. Mitchell CA, et al.
Dev Biol Stand 1987;67:267–72
Treatment of childhood idiopathic thrombocytopenic purpura with Rhesus antibodies (anti-D). Becker T, et al.
Eur J Pediatr 1986 Aug;145(3):166–9
The nontreatment of childhood idiopathic thrombocytopenic purpura. Buchanan GR. **Eur J Pediatr** 1987 Mar; 146(2):107–12 (56 ref.)
Effective high-dose intravenous gammaglobulin therapy for passive immune thrombocytopenia in the neonate. Stabile A, et al. **Eur J Pediatr** 1987 Jan;146(1):90–1
Clinical effect and some pathogenic mechanisms of high dose monomeric IgG therapy in childhood chronic idiopathic thrombocytopenic purpura. Koshel IV, et al.
Folia Haematol (Leipz) 1986;113(3):365–72
Treatment of idiopathic thrombocytopenic purpura. Warrier IA. **Indian J Pediatr** 1986 Nov-Dec;53(6):685–9
Surgical treatment of chronic idiopathic thrombocytopenic purpura: results in 107 cases. Cola B, et al. **Int Surg** 1986 Jul-Sep;71(3):195–8
Use of intravenous normal immunoglobulin in high doses as a possible safer alternative to oral steroids in managing HIV-associated immune thrombocytopenic purpura [letter] Ellis M, et al. **J Infect** 1986 Nov;13(3):312–3
Gamma globulin in the treatment of chronic childhood immune thrombocytopenic purpura. Patel CC, et al.
J Ky Med Assoc 1987 Jun;85(6):301–4
Treatment of acute idiopathic thrombocytopenic purpura of childhood with intravenous immunoglobulin G: comparative efficacy of 7S and 5S preparations. Burdach SE, et al. **J Pediatr** 1986 Nov;109(5):770–5
Immunoglobulin therapy for autoimmune thrombocytopenia purpura during pregnancy. A report of two cases.

Davidson BN, et al. **J Reprod Med** 1987 Feb;32(2):107–9

ITP in childhood: difficulties in the individual treatment. Grümayer ER, et al. **Klin Padiatr** 1986 Sep–Oct; 198(5):414–7

Dose–response relationship in the treatment of idiopathic thrombocytopenic purpura with intravenous immunoglobulin. Emmerich B, et al. **Klin Wochenschr** 1987 Apr 15;65(8):369–72

Intravenous polyvalent human immunoglobulin in a case of life–threatening immune thrombocytopenic purpura. Mansberg R, et al. **Med J Aust** 1987 Feb 16;146(4):217–8

Anti–Fc–receptor therapy of refractory immune thrombocytopenic purpura [letter] Mitchell SR, et al. **N Engl J Med** 1986 Nov 6;315(19):1230–1

Thrombocytopenic purpura and infectious mononucleosis. A possible role for high dose intravenous immunoglobulin. Rauch AE, et al. **NY State J Med** 1986 Aug;86(8):436–7

Accessory spleen imaging. Radionuclide, ultrasound and CT investigations in a patient with thrombocytopenia 25 yr after splenectomy for ITP. Hansen S, et al. **Scand J Haematol** 1986 Jul;37(1):74–7

Immunological effects of intravenous gammaglobulin treatment in childhood idiopathic thrombocytopenic purpura. Winiarski J, et al. **Scand J Haematol** 1986 Sep; 37(3):175–9

Intravenous immunoglobulin therapy for idiopathic thrombocytopenic purpura. Atrah HI, et al. **Scott Med J** 1986 Oct;31(4):231–3

Idiopathic thrombocytopenic purpura in children: clinical prognosis and evaluation of treatment. Sohn YM, et al. **Yonsei Med J** 1986;27(1):67–75

[Treatment of idiopathic thrombocytopenic purpura in children with a single immunoglobulin infusion] Steffensen GK, et al. **Ugeskr Laeger** 1987 May 25;149(22):1466–9 (Eng. Abstr.) **(Dan)**

[Idiopathic thrombocytopenic purpura in pregnancy] Christiaens GC, et al. **Ned Tijdschr Geneeskd** 1987 Apr 18;131(16):659–63 **(Dut)**

[Autoimmune thrombopenic purpura and AIDS–related syndromes. Preparing for surgery with immunoglobulins] Roussel LJ, et al. **Ann Fr Anesth Reanim** 1987;6(4):356–8 (Eng. Abstr.) **(Fre)**

[Efficacy of the injection of corticoids combined with plasma exchange in the treatment of patients with autoimmune thrombopenic purpura] Vezon G, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:27–30 **(Fre)**

[Autoimmune thrombocytopenia and pregnancy] Paniel BJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(1):17–26 (Eng. Abstr.) **(Fre)**

[Therapy of chronic idiopathic thrombocytopenic purpura] Winkelmann M, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):221–4 **(Ger)**

[Treatment of Werlhof disease with intravenous immunoglobulin] Geursen RG, et al. **Fortschr Med** 1986 Oct 2;104(37):685–8 (Eng. Abstr.) **(Ger)**

[Guidelines for therapy of idiopathic thrombocytopenic purpura (ITP) in childhood] Gadner H, et al. **Klin Padiatr** 1986 Jul–Aug;198(4):299–305 (Eng. Abstr.) **(Ger)**

[Partial splenic embolization in idiopathic thrombocytopenic purpura] Tajima H, et al. **Rinsho Hoshasen** 1987 May; 32(5):635–9 (Eng. Abstr.) **(Jpn)**

[Childhood idiopathic thrombocytopenic purpura—indication and evaluation of the treatment] Fujisawa K, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1721–9 (Eng. Abstr.) **(Jpn)**

[Indication and prognosis of splenectomy in idiopathic thrombocytopenic purpura (ITP)] Muto Y, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1700–4 (Eng. Abstr.) **(Jpn)**

[High–dose gammaglobulin therapy for idiopathic thrombocytopenic purpura and evaluation of reticuloendothelial system function] Ohkubo I, et al. **Rinsho Ketsueki** 1987 Mar;28(3):345–9 (Eng. Abstr.) **(Jpn)**

[Anti–LAV/HTLV–III antibody positive hemophilia A accompanied with idiopathic (immunological) thrombocytopenic purpura—a case report] Okubo S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):441–5 (Eng. Abstr.) **(Jpn)**

[Long–term prognosis and prediction of therapeutic effect of idiopathic thrombocytopenic purpura] Yamanaka M, et al. **Rinsho Ketsueki** 1986 Sep;27(9):1737–41 (Eng. Abstr.) **(Jpn)**

[Indications for high–dose immunoglobulin therapy in idiopathic thrombocytopenic purpura and its evaluation] Yasunaga K. **Rinsho Ketsueki** 1986 Sep;27(9):1712–20 (Eng. Abstr.) **(Jpn)**

[Pathogenetic basis of differentiated therapy of chronic idiopathic thrombocytopenic purpura in children] Koshel' IV, et al. **Pediatriia** 1986 Aug;(8):22–5 (Eng. Abstr.) **(Rus)**

[Chronic autoimmune thrombocytopenic purpura: method of treatment and results] Narat J. **Lijec Vjesn** 1987 Jan; 109(1):27–30 (Eng. Abstr.) **(Scr)**

[Ivega in the treatment of idiopathic thrombocytopenic purpura] Hal'áková E, et al. **Cesk Pediatr** 1986 Nov; 41(11):677–8 **(Slo)**

[Treatment of idiopathic thrombocytopenic purpura in childhood] Guisasola FJ, et al. **An Esp Pediatr** 1986 Dec; 25(6):403–6 **(Spa)**

[Review of 54 cases of idiopathic thrombocytopenic purpura. Evaluation of the response to treatment] Vivanco Martínez JL, et al. **An Esp Pediatr** 1986 Dec;25(6):445–9 (Eng. Abstr.) **(Spa)**

[Treatment of idiopathic thrombopenic purpura in the adult with high–dose gammaglobulins (letter)] Barquinero J, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):478–9 **(Spa)**

[High–dose gammaglobulin in immune thrombocytopenic purpura (letter)] Petit J. **Med Clin (Barc)** 1987 Mar 7; 88(9):388 **(Spa)**

URINE

The humoral regulation of megakaryocytopoiesis and platelet production in vivo. Kuriya S, et al. **Blood Cells** 1986; 12(1):233–47

PURPURA, THROMBOPENIC see **PURPURA, THROMBOCYTOPENIC**

PURPURA, THROMBOTIC THROMBOCYTOPENIC

Thrombotic microangiopathy. I. **Semin Hematol** 1987 Apr; 24(2):69–139

[Thrombotic thrombocytopenic purpura] Antonello G, et al. **G Clin Med** 1987 May;68(5):297–301 **(Ita)**

[Thrombotic thrombocytopenic purpura: presentation of 4 cases] Grau E, et al. **Med Clin (Barc)** 1987 Apr 26; 88(16):633–7 (Eng. Abstr.) **(Spa)**

BLOOD

Inhibitory effects of TTP sera on binding of anti–platelet glycoprotein IIb–IIIa monoclonal antibodies to human vascular endothelial cells. Nakajima T, et al. **Am J Hematol** 1987 May;25(1):115–8

Studies investigating platelet aggregation and release initiated by sera from patients with thrombotic thrombocytopenic purpura. Kelton JG, et al. **Blood** 1987 Mar;69(3):924–8

Fibrinolysis in health and disease: abnormal levels of plasminogen activator, plasminogen activator inhibitor, and protein C in thrombotic thrombocytopenic purpura. Glas–Greenwalt P, et al. **J Lab Clin Med** 1986 Nov; 108(5):415–22

A platelet aggregating factor in thrombotic thrombocytopenic purpura: initial activity, fluctuations, and removal by plasma exchange. Hussey CV, et al. **Thromb Res** 1986 Nov 1;44(3):355–64

COMPLICATIONS

Computed tomographic evidence of cerebral focal ischemic lesion in thrombotic thrombocytopenic purpura [letter] Stracciari A, et al. **Arch Neurol** 1987 Oct;44(10):996

Thrombotic microangiopathy and acute renal failure associated with arteriography. Fairley S, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):922–3

Diabetic ketoacidosis associated with thrombotic thrombocytopenic purpura. Dandona P, et al. **Diabetes Res** 1986 Oct;3(8):433–5

[Choriocapillary occlusion in a case of Moschowitz's disease] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):553–4 (Eng. Abstr.) **(Fre)**

[Microangiopathic hemolytic anemias. Clinical pattern, therapy and clinical course in 14 patients with thrombotic thrombocytopenic purpura and hemolytic uremic syndrome] Krause M, et al. **Schweiz Med Wochenschr** 1986 Nov 29;116(48):1666–74 (Eng. Abstr.) **(Ger)**

[Cardiac involvement in a case of thrombotic thrombocytopenic purpura] Pannarale G, et al. **Cardiologia** 1986 Feb;31(2):163–5 (Eng. Abstr.) **(Ita)**

[Cutaneous beginning of Moschcowitz's syndrome. Observations on a case] Ditano G, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):29–32 (Eng. Abstr.) **(Ita)**

[An autopsy case of polyarteritis nodosa associated with multiple cranial neuritis and thrombotic thrombocytopenic purpura] Kuroda Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1291–6 **(Jpn)**

[Thrombotic thrombocytopenic purpura in a patient with systemic lupus erythematosus] Obeso Fernández G, et al. **Sangre (Barc)** 1987;32(1):83–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Thrombotic thrombocytopenic purpura in a human immunodeficiency virus (HIV)–seropositive homosexual man. Jokela J, et al. **Am J Hematol** 1987 Jul;25(3):341–3

Microangiopathic haemolytic anaemia as a diagnostic clue to unsuspected malignancy in a young girl. Sattar MA, et al. **Indian J Cancer** 1985 Sep;22(3):233–8

Thrombotic thrombocytopenic purpura. Pawar B, et al. **J Assoc Physicians India** 1987 Mar;35(3):243–4

Thrombotic thrombocytopenic purpura. Sarma PS, et al. **J Assoc Physicians India** 1986 Oct;34(10):739–41

Progressive preleukemia presenting amegakaryocytic thrombocytopenic purpura: association of the 5q– syndrome with a decreased megakaryocytic colony formation and a defective production of Meg–CSF. Geissler D, et al. **Leuk Res** 1987;11(8):731–7

[Thrombotic thrombocytopenic purpura within the scope of disseminated tumor disease] Teichmann J, et al. **Internist (Berlin)** 1987 Jun;28(6):388–92 **(Ger)**

[The Moschowitz syndrome. Description of a clinical case in childhood] Barberio G, et al. **Minerva Pediatr** 1987 Jan 31;39(1–2):53–7 (Eng. Abstr.) **(Ita)**

[A 19–year–old woman with anemia, thrombocytopenia and convulsive crises (clinical conference)] Pintado T, et al. **Med Clin (Barc)** 1986 Nov 29;87(18):771–8 **(Spa)**

DRUG THERAPY

Antiplatelet therapy in thrombotic thrombocytopenic purpura. del Zoppo GJ. **Semin Hematol** 1987 Apr; 24(2):130–9 (104 ref.)

[Thrombotic thrombocytopenic purpura. Treatment with anti–thrombocyte drugs] Bagi P, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3226–8 (Eng. Abstr.) **(Dan)**

[Treatment with gamma globulin in thrombotic thrombocytopenic purpura (letter)] Carratalá J, et al. **Med Clin (Barc)** 1987 May 16;88(19):788 **(Spa)**

ETIOLOGY

Pathogenesis of thrombotic thrombocytopenic purpura. Lian EC. **Semin Hematol** 1987 Apr;24(2):82–100 (227 ref.)

[Hemolytic–uremic syndrome in adults] Cacoub P, et al. **Presse Med** 1987 Mar 28;16(11):527, 530–2 (Eng. Abstr.) **(Fre)**

[Fatal thrombopenic thrombotic purpura in a female patient with adult Still's disease] Masson C, et al. **Rev Rhum Mal Osteoartic** 1986 Jun;53(6):389–91 **(Fre)**

[Thrombotic thrombocytopenic purpura] Grau E, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):628–30 (17 ref.) **(Spa)**

HISTORY

[The man behind the syndrome: Eli Moschkowitz. In hospitals people should be treated, not the disease] Bernell P, et al. **Lakartidningen** 1986 Dec 10;83(50):4291–2 **(Swe)**

METABOLISM

Elevation of PAIgG on intact and lysed platelets in the case unresponsive to intravenous gammaglobulin [letter] Ozsoylu S. **Scand J Haematol** 1986 Nov;37(5):456

PATHOLOGY

Sudden death due to thrombotic thrombocytopenic purpura. Ross WK, et al. **Am J Forensic Med Pathol** 1987 Jun; 8(2):158–63

Thrombotic thrombocytopenic purpura without anemia. Barnert J, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1131–3

Clinicopathologic features of thrombotic thrombocytopenic purpura. Kwaan HC. **Semin Hematol** 1987 Apr;24(2):71–81 (69 ref.)

Prostacyclin in thrombotic microangiopathy. Remuzzi G, et al. **Semin Hematol** 1987 Apr;24(2):110–8 (87 ref.)

Renal involvement in thrombotic microangiopathies. Churg J, et al. **Semin Nephrol** 1985 Mar;5(1):46–56

Chronic relapsing thrombotic thrombocytopenic purpura. Bowdler AJ. **South Med J** 1987 Apr;80(4):507–10

[A case of thrombotic thrombocytopenic purpura] Shustval' NF, et al. **Klin Med (Mosk)** 1986 Nov;64(11):128–30 **(Rus)**

PHYSIOPATHOLOGY

Role of fibrinolysis in thrombotic thrombocytopenic purpura. Kwaan HC. **Semin Hematol** 1987 Apr;24(2):101–9 (91 ref.)

Thrombotic microangiopathy in pregnancy and the postpartum period. Weiner CP. **Semin Hematol** 1987 Apr; 24(2):119–29 (99 ref.)

THERAPY

Thrombotic thrombocytopenic purpura: treatment with plasmapheresis. Blitzer JB, et al. **Am J Hematol** 1987 Apr; 24(4):329–39

Management of treatment failures in thrombotic thrombocytopenic purpura. Liu ET, et al. **Am J Hematol** 1986 Dec;23(4):347–61

Late postsplenectomy recurrence of thrombotic thrombocytopenic purpura responding to removal of accessory spleen. Talarico L, et al. **Am J Med** 1987 Apr; 82(4):845–8

Thrombocytopenic purpura and platelet transfusion [letter] Lind SE. **Ann Intern Med** 1987 Mar;106(3):478

Intravenous immunoglobulin therapy for refractory chronic idiopathic thrombocytopenic purpura. Leclerc JR, et al. **Can Med Assoc J** 1987 May 1;136(9):961–2

A case of thrombotic thrombocytopenic purpura. A search for a definite therapeutic approach [letter] Alegiani F, et al. **Haematologica (Pavia)** 1986 Nov–Dec;71(6):518–9

The preparation for splenectomy of adult patients with chronic idiopathic thrombocytopenic purpura by intravenous administration of monomeric intact immunoglobulin. Resegotti L, et al. **Haematologica (Pavia)** 1987 May–Jun;72(3):269–71

Immunotherapy of idiopathic thrombocytopenic purpura and autoimmune neutropenia. Wordell CJ. **Pharmacotherapy** 1987;7(2):S41–7 (33 ref.)

Thrombotic thrombocytopenic purpura unresponsive to plasma infusion and plasma exchange, but responsive to splenectomy. Sturgess AD, et al. **Scand J Haematol** 1986 Oct;37(4):319–22

Treatment of thrombotic thrombocytopenic purpura with

intravenous gammaglobulin [letter] Chin D, et al. **Transfusion** 1987 Jan–Feb;27(1):115–6

Optimal volume of plasma exchange in thrombotic thrombocytopenic purpura [letter] Newman RS, et al. **Transfusion** 1987 Sep–Oct;27(5):445–6

[Thrombotic thrombocytopenic purpura treated with plasma–exchange, exchange transfusion and plasma infusion: description of a case] Donada C, et al. **Riv Emoter Immunoematol** 1986;33(1):69–74 (Eng. Abstr.) **(Ita)**

[Successful delivery in a female with thrombotic thrombocytopenic purpura] Koyama T, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1934–7 (Eng. Abstr.) **(Jpn)**

[Thrombotic thrombocytopenic purpura. Treatment with plasmapheresis] Nesthus I, et al. **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2852–3, 2839 (Eng. Abstr.) **(Nor)**

[Thrombotic thrombocytopenic purpura: report of a case responding to plasma infusion] Pompa–Garza MT, et al. **Bol Med Hosp Infant Mex** 1987 Jan;44(1):36–40 (Eng. Abstr.) **(Spa)**

[Plasma exchange with fresh frozen plasma in the treatment of thrombotic thrombocytopenic purpura] Berlin C, et al. **Lakartidningen** 1986 Dec 24;83(52):4452–4 **(Swe)**

PURPURA, THROMBOTIC THROMBOPENIC see **PURPURA, THROMBOTIC THROMBOCYTOPENIC**

PURSUIT, SMOOTH see under **EYE MOVEMENTS**

PUS see **SUPPURATION**

PUSTULANTS see **IRRITANTS**

PUTAMEN

Spontaneous bilateral intracerebral hemorrhage occurring simultaneously—case report. Sato M, et al. **Neurol Med Chir (Tokyo)** 1986 Jul;26(7):545–7

[Evaluation of the hypertensive intracerebral hematoma based on the study of long–term outcome—Part II. A role of surgery in putaminal hemorrhage] Kanno T, et al. **No Shinkei Geka** 1986 Oct;14(11):1307–11 (Eng. Abstr.) **(Jpn)**

[Evaluation of the hypertensive intracerebral hematoma based on the study of long–term outcome—Part III. Evaluation of neurological grading and CT classification] Kanno T, et al. **No Shinkei Geka** 1986 Nov;14(12):1423–9 (Eng. Abstr.) **(Jpn)**

[Evaluation of hypertensive intracerebral hematomas based on the study of long–term outcome—part IV: Prognostic importance of the age of the patient and the laterality of the lesion in putaminal hematoma] Kanno T, et al. **No Shinkei Geka** 1986 Dec;14(13):1539–45 (Eng. Abstr.) **(Jpn)**

[A study of cerebrovascular autoregulation and CO2 reactivity in putaminal hemorrhage] Ejiri T. **No To Shinkei** 1986 Dec;38(12):1165–74 (Eng. Abstr.) **(Jpn)**

[A case of pure motor hemiplegia from hypertensive putaminal hemorrhage] Iwasaki S, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):708–12 (Eng. Abstr.) **(Jpn)**

ANALYSIS

HPLC analysis of somatostatin related peptides in putamen of Huntington's disease patients. Sperk G, et al. **J Neural Transm** 1987;69(1–2):153–60

Alteration of dopamine receptors in the caudate nucleus and the putamen in schizophrenic brain. Mjörndal T, et al. **Med Biol** 1986;64(6):351–4

Age–related decreases in dopamine receptors in the caudate nucleus and putamen of the rhesus monkey (Macaca mulatta). Lai H, et al. **Neurobiol Aging** 1987 Jan–Feb; 8(1):45–9

Divergent changes in D–1 and D–2 dopamine binding sites in human brain during aging. Morgan DG, et al. **Neurobiol Aging** 1987 May–Jun;8(3):195–201

In situ analysis of neostriatal RNA and chromatin in Alzheimer's disease. Doebler JA, et al. **Neurology** 1987 Feb; 37(2):309–13

Quantitative autoradiography of dopamine D2 sites in rat caudate–putamen: localization to intrinsic neurons and not to neocortical afferents. Joyce JN, et al. **Neuroscience** 1987 Mar;20(3):773–95

ANATOMY & HISTOLOGY

Neostriatal projections from cytoarchitectonically defined gyri in the prefrontal cortex of the dog. Tanaka D Jr. **J Comp Neurol** 1987 Jul 1;261(1):48–73

On the projections from the neostriatum to the cerebral cortex: the "displaced" neurons.Divac I, et al. **Neuroscience** 1987 Apr;21(1):197–205

BLOOD SUPPLY

Hemichorea–hemiballism caused by arteriovenous malformations in the putamen [letter] Tamaoka A, et al. **J Neurol** 1987 Feb;234(2):124–5

Painful tonic spasms caused by putaminal infarction. Merchut MP, et al. **Stroke** 1986 Nov–Dec;17(6):1319–21

[A comparative study on the prognosis and factors affecting putaminal hemorrhage and thalamic hemorrhage] Wakasugi H. **Nippon Ika Daigaku Zasshi** 1987 Feb; 54(1):63–77 (Eng. Abstr.) **(Jpn)**

[Evaluation of the hypertensive intracerebral hematoma based on the study on long–term outcome—Part I. Mode of hematoma extension and its clinical significance in putaminal hemorrhage] Kanno T, et al. **No Shinkei Geka** 1986 Sep;14(10):1207–12 (Eng. Abstr.) **(Jpn)**

[Crossed aphasia with jargonagraphia due to right putaminal hemorrhage—a study by 133Xe single photon emission CT] Washimi Y, et al. **Rinsho Shinkeigaku** 1987 Jan;27(1):12–8 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Microinjections of the gamma–aminobutyrate antagonist, bicuculline methiodide, into the caudate–putamen prevent amygdala–kindled seizures in rats. Cavalheiro EA, et al. **Brain Res** 1987 May 19;411(2):370–2

Lithium preincubation stimulates the potassium–induced release of cholecystokinin from slices of cerebral cortex and caudate–putamen incubated in vitro. Gysling K, et al. **Brain Res** 1987 Jun 16;413(2):365–7

Haloperidol increases proenkephalin mRNA levels in the caudate–putamen of the rat: a quantitative study at the cellular level using in situ hybridization. Romano GJ, et al. **Brain Res** 1987 Apr;388(1):33–41

Regional effect of estradiol on rat caudate–putamen dopamine receptors: lateral–medial differences. Falardeau P, et al. **Neurosci Lett** 1987 Feb 10;74(1):43–8

Paradoxical anticonvulsant activity of the excitatory amino acid N–methyl–D–aspartate in the rat caudate–putamen. Turski L, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1689–93

[Severe methanol poisoning (letter)] Verslegers W, et al. **Ned Tijdschr Geneeskd** 1987 Feb 28;131(9):374–5 **(Dut)**

ENZYMOLOGY

The morphogenesis of glutamic acid decarboxylase in the neostriatum of the cat: neuronal and ultrastructural localization. Fisher RS, et al. **Brain Res** 1987 Jun; 430(2):215–34

Glutamate decarboxylase–like immunoreactive neurons in the rat caudate putamen. Kubota Y, et al. **Brain Res Bull** 1987 Jun;18(6):687–97

METABOLISM

Stimulation of receptors of gamma–aminobutyric acid modulates the release of cholecystokinin–like immunoreactivity from slices of rat neostriatum. Conzelmann U, et al. **Br J Pharmacol** 1986 Dec; 89(4):845–52

D2–dopamine receptor–mediated inhibition of intracellular Ca2+ mobilization and release of acetylcholine from guinea–pig neostriatal slices. Fujiwara H, et al. **Br J Pharmacol** 1987 Jun;91(2):287–97

Presynaptic and postsynaptic D1 dopamine receptors in the nigrostriatal system of the rat brain: a quantitative autoradiographic study using the selective D1 antagonist [3H]SCH 23390. Filloux FM, et al. **Brain Res** 1987 Apr 7;408(1–2):205–9

The regulation of cholecystokinin release from rat caudatoputamen in vitro. Gysling K, et al. **Brain Res** 1987 Mar 24;407(1):110–6

D–2 receptor stimulation inhibits cyclic AMP formation brought about by D–1 receptor stimulation in rat neostriatum but not nucleus accumbens. Stoof JC, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):205–6

[3H]SCH 23390 binding to human putamen D–1 dopamine receptors: stereochemical and structure–affinity relationships among 1–phenyl–1H–3–benzazepine derivatives as a guide to D–1 receptor topography. O'Boyle KM, et al. **J Neurochem** 1987 Apr;48(4):1039–42

Blockade of gamma–aminobutyric acid–receptors of the B–subtype inhibits the dopamine–induced enhancement of the release of cholecystokinin–like immunoreactivity from slices of rat dorsal caudatoputamen. Conzelmann U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):541–6

Thalamic control of dopaminergic functions in the caudate–putamen of the rat—III. The effects of lesions in the parafascicular–intralaminar nuclei on D2 dopamine receptors and high affinity dopamine uptake. Kilpatrick IC, et al. **Neuroscience** 1986 Nov;19(3):991–1005

Thalamic control of dopaminergic functions in the caudate–putamen of the rat—I. The influence of electrical stimulation of the parafascicular nucleus on dopamine utilization. Kilpatrick IC, et al. **Neuroscience** 1986 Nov; 19(3):965–78

Thalamic control of dopaminergic functions in the caudate–putamen of the rat—II. Studies using ibotenic acid injection of the parafascicular–intralaminar nuclei. Kilpatrick IC, et al. **Neuroscience** 1986 Nov;19(3):979–90

Three rat preprotachykinin mRNAs encode the neuropeptides substance P and neurokinin A. Krause JE, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):881–5

PATHOLOGY

Reduced signal intensity on MR images of thalamus and putamen in multiple sclerosis: increased iron content? Drayer B, et al. **AJR** 1987 Aug;149(2):357–63

Sparing of acetylcholinesterase–containing striatal neurons in Huntington's disease. Ferrante RJ, et al. **Brain Res** 1987 May 12;411(1):162–6

Selective involvement of large neurons in the neostriatum of Alzheimer's disease and senile dementia: a morphometric investigation. Oyanagi K, et al. **Brain Res** 1987 May 19; 411(2):205–11

Aging and the nerve cell population of the putamen: a morphometric study. Pesce C, et al. **Clin Neuropathol** 1987 Jan–Feb;6(1):16–8

Selective lesions of mesostriatal dopamine neurons ameliorate hypoglycemic damage in the caudate–putamen. Lindvall O, et al. **Exp Brain Res** 1986;63(2):382–6

MRI in autonomic failure. Brown RT, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):913–4

Lesions of the putamen: their relevance to dystonia. Fross RD, et al. **Neurology** 1987 Jul;37(7):1125–9

PHYSIOLOGY

Functional activity of raphe neurons transplanted to the hippocampus and caudate–putamen. An immunohistochemical and neurochemical analysis in adult and aged rats. Steinbusch HW, et al. **Ann NY Acad Sci** 1987;495:169–84

Impairments in the acquisition, retention and selection of spatial navigation strategies after medial caudate–putamen lesions in rats. Whishaw IQ, et al. **Behav Brain Res** 1987 May;24(2):125–38

Dopamine in the lateral caudate–putamen of the rat is essential for somatosensory orientation. Fairley PC, et al. **Behav Neurosci** 1986 Oct;100(5):652–63

Response–reinforcer associations after caudate–putamen lesions in the rat: spatial discrimination and overshadowing–potentiation effects in instrumental learning. Mitchell JA, et al. **Behav Neurosci** 1985 Dec; 99(6):1074–88

Neuron activity in and adjacent to the dorsal amygdala of monkey during operant feeding behavior. Nishijo H, et al. **Brain Res Bull** 1986 Dec;17(6):847–54

A study of the connectedness among distant neuronal populations in the human brain during mental activity. Bekhtereva NP, et al. **Neurosci Behav Physiol** 1986 Jul–Aug;16(4):322–33

Intracellular studies on the dopamine–induced firing inhibition of neostriatal neurons in vitro: evidence for D1 receptor involvement. Calabresi P, et al. **Neuroscience** 1987 Mar;20(3):757–71

Astroglial response in the excitotoxically lesioned neostriatum and its projection areas in the rat. Isacson O, et al. **Neuroscience** 1987 Mar;20(3):1043–56

RADIOGRAPHY

Computed tomography findings in methanol intoxication [letter] Friedman L, et al. **S Afr Med J** 1987 Jun 20; 71(12):800

[A case of parkinsonism after resuscitation from cardiac arrest showing low density areas in the bilateral putamen with computed tomography] Matsuda M, et al. **Rinsho Shinkeigaku** 1987 Mar;27(3):325–8 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

No D2 receptor increase in PET study of schizophrenia [letter] Farde L, et al. **Arch Gen Psychiatry** 1987 Jul; 44(7):671–2

SECRETION

Vasoactive intestinal polypeptide (VIP) inhibits potassium–induced release of cholecystokinin (CCK) from rat caudato–putamen but not from cerebral cortex. Allard LR, et al. **Neuropeptides** 1986 Oct;8(3):287–93

TRANSPLANTATION

Quantitative analysis of dendrites from transplanted neostriatal neurons. Zemanick MC, et al. **Brain Res** 1987 Jun 23;414(1):149–52

Afferent and efferent connections of striatal grafts implanted into the ibotenic acid lesioned neostriatum in adult rats. Pritzel M, et al. **Exp Brain Res** 1986;65(1):112–26

PUTRESCINE

A proton magnetic resonance study of the effects of polyamine and divalent metal ions on diadenosine 5',5'''–P1,P4–tetraphosphate base stacking. Westkaemper RB. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):922–9

ADMINISTRATION & DOSAGE

A possible mechanism of protection by polyamines against gastric damage induced by acidified ethanol in rats: polyamine protection may depend on its antiperoxidative properties. Mizui T, et al. **Jpn J Pharmacol** 1987 May; 44(1):43–50

ANALOGS & DERIVATIVES

Cytotoxic and non–cytotoxic N–alkyl derivatives of putrescine: effect on polyamine uptake and growth of

prostatic cancer cells in vitro. Heston WD, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1849–52

Cytotoxic activity of a polyamine analogue, monoaziridinylputrescine, against the PC-3 human prostatic carcinoma cell line. Heston WD, et al. **Cancer Res** 1987 Jul 15;47(14):3627–31

Effect of inhibitors of ornithine decarboxylase on retrovirus induced transformation of murine erythroid precursors in vitro. Klinken SP, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6246–9

Relative abilities of bis(ethyl) derivatives of putrescine, spermidine, and spermine to regulate polyamine biosynthesis and inhibit L1210 leukemia cell growth. Porter CW, et al. **Cancer Res** 1987 Jun 1;47(11):2821–5

Oxidation of N-alkyl and C-alkylputrescines by diamine oxidases. Frydman RB, et al. **FEBS Lett** 1987 Jul 27; 219(2):380–6

2-[18F]fluoroputrescine: preparation, biodistribution, and mechanism of defluorination. Hwang DR, et al. **Int J Rad Appl Instrum [A]** 1986;37(7):607–12

ANALYSIS

Determination of putrescine in brain tissue using gas chromatography–mass spectrometry. Noto T, et al. **Anal Biochem** 1987 Feb 1;160(2):371–5

Putrescine and cadaverine are constituents of peptidoglycan in Veillonella alcalescens and Veillonella parvula. Kamio Y, et al. **J Bacteriol** 1987 Jun;169(6):2881–4

Distribution of putrescine in rat brain measured by gas chromatography–mass spectrometry. Noto T, et al. **J Neurochem** 1987 Mar;48(3):684–8

BIOSYNTHESIS

Induction of ornithine decarboxylase activity and putrescine synthesis in arterial smooth muscle cells stimulated with platelet-derived growth factor. Thyberg J, et al. **Exp Cell Res** 1987 May;170(1):160–9

Bacterial sources of putrescine and cadaverine in chill stored vacuum-packaged beef. Dainty RH, et al. **J Appl Bacteriol** 1986 Aug;61(2):117–23

BLOOD

Determination of 15NH3 by gas chromatography–mass spectrometry. Application to the measurement of putrescine oxidation by human plasma. Fujihara S, et al. **J Chromatogr** 1986 Dec 19;383(2):271–80

DIAGNOSTIC USE

Serial PET studies of human cerebral malignancy with [1-11C]putrescine and [1-11C]2-deoxy-D-glucose. Hiesiger E, et al. **J Nucl Med** 1987 Aug;28(8):1251–61

alpha-Difluoromethylornithine enhancement of 14C-putrescine uptake by an androgen-dependent prostatic tumor. Heston WD, et al. **J Urol** 1986 Oct;136(4):944–8

ISOLATION & PURIFICATION

Separation of the enantiomers of substituted putrescine and cadaverine analogues by gas chromatography on chiral and achiral stationary phases. Gaget C, et al. **J Chromatogr** 1987 Jun 17;395:597–608

METABOLISM

Oxidation of amines by yeasts grown on 1-aminoalkanes or putrescine as the sole source of carbon, nitrogen and energy. Middlehoven WJ, et al. **Antonie Van Leeuwenhoek** 1986;52(6):525–35

Uptake, efflux and metabolism of the polyamine putrescine in rabbit lung slices. Saunders NA, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):170–6

Components of increased labelling with putrescine and fucose during healing of skin wounds. Bowness JM, et al. **Connect Tissue Res** 1987;16(1):57–70

A novel mechanism of resistance to alpha-difluoromethylornithine induced by cycloheximide. Growth with abnormally low levels of putrescine and spermidine. Medrano EE, et al. **FEBS Lett** 1986 Sep 29; 206(1):106–10

Identification of a substrate site for liver transglutaminase on the aminopropeptide of type III collagen. Bowness JM, et al. **J Biol Chem** 1987 Jan 25;262(3):1022–4

Changes of serum-induced ornithine decarboxylase activity and putrescine content during aging of IMR-90 human diploid fibroblasts. Chen KY, et al. **J Cell Physiol** 1986 Nov;129(2):142–6

Permissive role for ornithine decarboxylase and putrescine in the luteinising hormone surge. Aslam M, et al. **Neuroendocrinology** 1987 Jun;45(6):473–8

Role of polyamines in experience-dependent brain plasticity. Ferchmin PA, et al. **Pharmacol Biochem Behav** 1987 Feb; 26(2):341–9

[Intensity of label incorporation from [1,4-14C]putrescine into homocarnosine in the brain of rats of various ages] Bondarenko TI, et al. **Ukr Biokhim Zh** 1986 Sep-Oct; 58(5):75–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Adipose cell differentiation: evidence for a two-step process in the polyamine-dependent Ob1754 clonal line. Amri EZ, et al. **Biochem J** 1986 Aug 15;238(1):115–22

Effect of putrescine on the synthesis of S-adenosylmethionine decarboxylase. Kameji T, et al. **Biochem J** 1987 Apr 1; 243(1):285–8

Cytotoxic and non-cytotoxic N-alkyl derivatives of putrescine: effect on polyamine uptake and growth of prostatic cancer cells in vitro. Heston WD, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1849–52

Transient elevation of intrasynaptosomal free calcium by putrescine. Komulainen H, et al. **Brain Res** 1987 Jan 13; 401(1):50–4

Prevention of inhibitory effects of alpha-difluoromethylornithine on rat urinary bladder carcinogenesis by exogenous putrescine. Nowels K, et al. **Cancer Biochem Biophys** 1986 Oct;8(4):257–63

Structural alterations and stabilization of rabbit uterine estrogen receptors by natural polyamines. Thomas T, et al. **Cancer Res** 1987 Apr 1;47(7):1799–804

Putrescine and its biosynthetic precursor L-ornithine augment the in vivo immunization against minor histocompatibility antigens and syngeneic tumor cells. Häcker-Shahin B, et al. **Cell Immunol** 1986 May; 99(2):434–43

L-ornithine and L-lysine need their alpha-carboxyl groups for effective inhibition of bovine liver arginase. Subrahmanyam TS, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):359–61

Inhibition of cytolytic T lymphocyte maturation with ornithine, arginine, and putrescine. Susskind BM, et al. **J Immunol** 1987 Aug 1;139(3):905–12

Effect of putrescine on oxyntic gland and colonic mucosal growth in rats. Majumdar AP, et al. **Life Sci** 1987 Aug 24;41(8):961–6

Putrescine-activated S-adenosylmethionine decarboxylase from Acanthamoeba culbertsoni. Gupta S, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):247–52

PUVA THERAPY

Distribution of circulating mononuclear cells in short-term PUVA-treated psoriatic patients and healthy subjects. Larussa FM, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):398–403

Chronic eczematous dermatitis of the hands: a comparison of PUVA and UVB treatment. Rosén K, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):48–54

PUVA treatment of erythrodermic and plaque-type mycosis fungoides. Ten-year follow-up study. Abel EA, et al. **Arch Dermatol** 1987 Jul;123(7):897–901

Anthralin minute entire skin treatment: a follow-up and comparison with methoxsalen plus ultraviolet light [letter] Duschet P, et al. **Arch Dermatol** 1987 Apr;123(4):428–9

PUVA, etretinate, and PUVA-etretinate therapy for pustulosis palmoplantaris. A placebo-controlled comparative trial. Rosén K, et al. **Arch Dermatol** 1987 Jul; 123(7):885–9

PUVA therapy damages psoriatic and normal lymphoid cells within milliseconds. Böhm F, et al. **Arch Dermatol Res** 1986;279(1):16–9

PUVA treatment of human cultured fibroblasts from psoriatic skin enhances the binding of antibodies to SSA(Ro). Wollina U, et al. **Arch Dermatol Res** 1987;279(3):206–8

UVB phototherapy and photochemotherapy (PUVA) in the treatment of polymorphic light eruption and solar urticaria. Addo HA, et al. **Br J Dermatol** 1987 Apr;116(4):539–47

Flow cytometric quantification of T6-positive cells in psoriatic epidermis after PUVA and methotrexate therapy. Gommans JM, et al. **Br J Dermatol** 1987 May;116(5):661–6

The effect of PUVA treatment on acid hydrolases in human polymorphonuclear leukocytes. Gruner S, et al. **Br J Dermatol** 1987 Jun;116(6):785–92

Local PUVA treatment for nail psoriasis [letter] Handfield-Jones SE, et al. **Br J Dermatol** 1987 Feb; 116(2):280–1

Prophylactic PUVA and UVB therapy in polymorphic light eruption—a controlled trial. Murphy GM, et al. **Br J Dermatol** 1987 Apr;116(4):531–8

Photoactivated 8-methoxypsoralen in repigmentation of tuberculoid leprosy [letter] Srinivas CR, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):159–60

Antinuclear antibodies during psoralens plus ultraviolet A (PUVA) therapy—are they worthwhile? Picascia DD, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):574–7

Nonmelanoma skin tumors in long-term photochemotherapy treatment of psoriasis. An 8-year follow-up study. Tanew A, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):960–5

The enhanced monocyte and neutrophil chemotaxis in psoriasis is normalized after treatment with psoralens plus ultraviolet A and anthralin. Ternowitz T. **J Am Acad Dermatol** 1987 Jun;16(6):1169–75

Effects of in vitro PUVA treatment on adenylate cyclase responses of epidermis. Kajita S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):132–6

Combination therapy of oral methoxypsoralen: photochemotherapy (PUVA) and an aromatic retinoid (etretinate, tigason) in the treatment of psoriasis. Thirumoorthy T, et al. **J Dermatol (Tokyo)** 1986 Apr; 13(2):132–6

Prolongation of murine skin allograft survival by the systemic effects of 8-methoxypsoralen and long-wave ultraviolet radiation (PUVA). Granstein RD, et al. **J Invest Dermatol** 1987 Apr;88(4):424–9

Alteration of lymphocyte functions by 8-methoxypsoralen and long-wave ultraviolet radiation. II. The effect of in vivo PUVA on IL-2 production. Okamoto H, et al. **J Invest Dermatol** 1987 Jul;89(1):24–6

Depletion of cutaneous glutathione and the induction of inflammation by 8-methoxypsoralen plus UVA radiation. Wheeler LA, et al. **J Invest Dermatol** 1986 Nov; 87(5):658–62

PUVA therapy in Thai psoriatic patients. Rajatanavin N, et al. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:26–30

Synergistic effect of photochemical donor pretreatment and cyclosporin therapy of the recipient on rat renal allograft survival. Oesterwitz H, et al. **Nephrol Dial Transplant** 1987; 2(1):42–4

Management of vitiligo in children.Symposium. Grimes PE, et al. **Pediatr Dermatol** 1986 Dec;3(6):498–510

Combination methotrexate, PUVA and UVB therapy in the treatment of psoriasis. Bronner AK, et al. **Photodermatol** 1986 Aug;3(4):245–6

Treatment of mycosis fungoides with PUVA. Hönigsmann H, et al. **Photodermatol** 1987 Feb;4(1):55–8

Risk evaluation of UVB therapy for psoriasis: comparison of calculated risk for UVB therapy and observed risk in PUVA-treated patients. Slaper H, et al. **Photodermatol** 1986 Oct;3(5):271–83

[Effect of local PUVA on epidermal Langerhans' cells in guinea pigs] Chen HD. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):668–70 **(Chi)**

[Cutaneous and articular sarcoidosis. Improvement by PUVA therapy (letter)] Courtois JM, et al. **Presse Med** 1987 Jul 11–18;16(27):1334–5 **(Fre)**

[Intracellular enzyme inhibition caused by PUVA. Inhibition of acid hydrolases in human granulocytes] Gruner S, et al. **Dermatol Monatsschr** 1987;173(5):249–57 (Eng. Abstr.) **(Ger)**

[Effect of PUVA therapy on the chemotaxis of neutrophilic granulocytes in various types of psoriasis] Kaben U, et al. **Dermatol Monatsschr** 1986;172(8):493–7 **(Ger)**

[In vitro effect of UVA/UVB and PUVA on the undirected migration of polymorphonuclear granulocytes] Westphal HJ, et al. **Dermatol Monatsschr** 1987;173(6):316–22 (Eng. Abstr.) **(Ger)**

[In vitro PUVA irradiation inhibits the binding of antibodies to double-stranded (ds) DNA to human epidermis] Wollina U, et al. **Dermatol Monatsschr** 1986;172(9):554–6 **(Ger)**

[Prolongation of the survival time of islet allografts in the Lewis rat system by culture technics or PUVA pretreatment of the isolated islets] Wilke B, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(4):249–51 **(Ger)**

[PUVA therapy. Considerations on a 7-year follow-up] Lomuto M, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec; 121(6):457–60 (Eng. Abstr.) **(Ita)**

[Vitiligo: 3 treatments compared] Veronesi S, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):135–7 (Eng. Abstr.) **(Ita)**

[Distribution of DNase and RNase in psoriasis and their changes following PUVA—a study using immunohistochemical methods] Usuba S. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):729–36 **(Jpn)**

[Lipid levels in patients with psoriasis treated by the PUVA method] Ruszczak Z, et al. **Przegl Dermatol** 1986 Nov–Dec; 73(6):447–50 (Eng. Abstr.) **(Pol)**

[Efficacy of PUVA therapy of patients with psoriasis] Rusak IuE, et al. **Vestn Dermatol Venerol** 1986;(10):53–6 (Eng. Abstr.) **(Rus)**

[Effect of photochemotherapy on immunological and morphological changes in scaly parapsoriasis] Zakharova OIu. **Vestn Dermatol Venerol** 1987;(5):55–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Ocular effects of treatment with various psoralen derivatives and ultraviolet-A (UVA) radiation in HRA/Skh hairless mice. Barker FM, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):471–8

Cutaneous and ocular side-effects of oral photochemotherapy: results of an 8-year follow-up study. Cox NH, et al. **Br J Dermatol** 1987 Feb;116(2):145–52

Eruptive squamous cell carcinomata following psoralen-UVA phototoxicity. Kahn JR, et al. **Clin Exp Dermatol** 1986 Jul;11(4):398–402

Disseminated epidermolytic acanthoma revealed by PUVA. Nakagawa T, et al. **Dermatologica** 1986;173(3):150–3

Bronchial reactions to photochemotherapy (PUVA) [letter] Anderson CD. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):389–90

PUVA-induced pigmented macules: a case involving palmoplantar skin. Bruce DR, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 2):1087–90

Skin tumors in the European PUVA Study. Eight-year follow-up of 1,643 patients treated with PUVA for psoriasis. Henseler T, et al. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 1):108–16

Antinuclear antibodies and photosensitivity in lupus erythematosus—relevant in PUVA therapy? [editorial] Tuffanelli DL. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):614–6

PUVA lentigines [letter] Farr PM, et al. **Photodermatol** 1987 Feb;4(1):59

PUVA carcinogenesis after ten years: prospect and retrospect [editorial] Stern RS. **Photodermatol** 1986 Oct;3(5):257–60

Actinic lichenoid dermatitis induced by PUVA therapy in vitiligo patients. Wennersten G. **Photodermatol** 1986 Aug; 3(4):247–8

Toxicity of 8–methoxypsoralen, 5–methoxypsoralen, 3–carbethoxypsoralen, or 5–methylisopsoralen with ultraviolet radiation in the hairless (HRA/Skh) mouse. Dunnick JK, et al. **Toxicol Appl Pharmacol** 1987 Jun 15; 89(1):73–80

[Cytotoxic effect of photochemotherapy on isolated keratinocyte fractions] Böhm F, et al. **Dermatol Monatsschr** 1986;172(8):447–52 (Eng. Abstr.) **(Ger)**

[Chronic systemic toxicity of oral photochemotherapy using 8–methoxypsoralen and UVA] Rassner G, et al. **Hautarzt** 1987 Jan;38(1):10–7 (Eng. Abstr.) **(Ger)**

[PUVA therapy: long–term degenerative effects. I. Histological changes observed after PUVA therapy] Torras H, et al. **Med Cutan Ibero Lat Am** 1987;15(1):63–70 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[The UUD1 long–wave ultraviolet unit] Uskova GV, et al. **Med Tekh** 1986 Jul–Aug;(4):59–60 **(Rus)**

METHODS

Photochemical, photophysical and photobiological properties of some methylallopsoralens which are potential agents for photochemotherapy. Vedaldi D, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):101–8

Photopheresis—extracorporeal irradiation of 8–MOP containing blood—a new therapeutic modality. Knobler RM. **Blut** 1987 Apr;54(4):247–50

Status of ultraviolet A dosimetry in methoxsalen plus ultraviolet A therapy. Diffey BL, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1209–13

Topical (bathwater) PUVA therapy. Gange RW, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):401–2

Comparative efficacy of two dosage forms of oral methoxsalen in psoralens plus ultraviolet A therapy of psoriasis. Lowe NJ, et al. **J Am Acad Dermatol** 1987 May; 16(5 Pt 1):994–8

Treatment of cutaneous T–cell lymphoma by extracorporeal photochemotherapy. Preliminary results. Edelson R, et al. **N Engl J Med** 1987 Feb 5;316(6):297–303

[PUVA—therapy with low UV–A dose] Hesse G, et al. **Z Hautkr** 1987 Jun 15;62(12):927–30, 935–6 (Eng. Abstr.) **(Ger)**

PYELITIS

[Cystic pyelo–ureteritis apropos of 3 cases] Barkia A, et al. **Arch Inst Pasteur Tunis** 1987 Jan–Apr;64(1–2):115–22 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Giant congenital hydronephrosis and isolated tuberculous granulomatous pyelitis. Yadav K, et al. **J Indian Med Assoc** 1987 Apr;85(4):117–9

DIAGNOSIS

Spectrum of gas within the kidney. Emphysematous pyelonephritis and emphysematous pyelitis. Evanoff GV, et al. **Am J Med** 1987 Jul;83(1):149–54

[Sonographic studies of the correlation of cystopyelitis gravidarum and kidney pelvis hydronephrosis] Tischendorf D, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):280–1 (Eng. Abstr.) **(Ger)**

[Striated pyelitis. A little–known entity] Borau A, et al. **Actas Urol Esp** 1987 Mar–Apr;11(2):208–9 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Cystic pyeloureteritis. Apropos of 40 cases] Galakhoff C, et al. **J Radiol** 1986 Jun–Jul;67(6–7):463–8 (Eng. Abstr.) **(Fre)**

PYELOGRAPHY see **UROGRAPHY**

PYELONEPHRITIS

see related
KIDNEY FAILURE, CHRONIC

Operative results in vesicoureteral reflux—with special reference to associated urinary tract infections. Nakajima N, et al. **Tokai J Exp Clin Med** 1986 Mar;11(1):31–8

[Cystic pyelo–ureteritis apropos of 3 cases] Barkia A, et al. **Arch Inst Pasteur Tunis** 1987 Jan–Apr;64(1–2):115–22 (Eng. Abstr.) **(Fre)**

BLOOD

Five year prospective study of plasma renin activity and blood pressure in patients with longstanding reflux nephropathy. Savage JM, et al. **Arch Dis Child** 1987 Jul; 62(7):678–82

[The blood coagulation system in gestational pyelonephritis] Spektor GI, et al. **Klin Med (Mosk)** 1987 Apr;65(4):68–71 (Eng. Abstr.) **(Rus)**

[The coagulating system in an assessment of the effectiveness of heparin electrophoresis in the combined treatment of children with pyelonephritis] Iurchenko LN, et al. **Pediatriia** 1987;(3):108–9 **(Rus)**

CHEMICALLY INDUCED

Renal and urinary tract complications following the intravesical instillation of formalin. Axelsen RA, et al. **Pathology** 1986 Oct;18(4):453–8

COMPLICATIONS

Suppurative bacterial pyelonephritis as a cause of acute renal failure. Thompson C, et al. **Am J Kidney Dis** 1986 Oct; 8(4):271–3

Pulmonary injury complicating antepartum pyelonephritis. Cunningham FG, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):797–807

Acute renal failure due to bacterial pyelonephritis. Woolley PD, et al. **Br J Urol** 1986 Dec;58(6):733

Hypertension in chronic pyelonephritis. Siamopoulos KC, et al. **Contrib Nephrol** 1987;54:119–23

Acute renal failure in a solitary kidney due to bacterial pyelonephritis. Weinstein T, et al. **J Urol** 1986 Dec; 136(6):1290–1

Pyelonephritis associated with respiratory distress. Pruett K, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):444–6

Pyelonephritis, cortical abscess, and perinephric abscess. Roberts JA. **Urol Clin North Am** 1986 Nov;13(4):637–45 (45 ref.)

Splenic abscess as complication of perinephric abscess. Reiber K, et al. **Urology** 1987 Sep;30(3):269–71

[Emphysematous pyelonephritis: report of 5 cases] Li QS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct;24(10):615–6, 639 (Eng. Abstr.) **(Chi)**

[Infection of a non–traumatic, anticoagulant–induced retroperitoneal hematoma caused by contiguity with a pyonephrosis. Cure by nephrectomy] Gillion JF, et al. **Ann Chir** 1986 May;40(4):274–6 (Eng. Abstr.) **(Fre)**

[Pyonephrosis complicated by a pyogenic psoas abscess. Apropos of a case] Letoquart JP, et al. **J Chir (Paris)** 1986 Jun–Jul;123(6–7):439–41 (Eng. Abstr.) **(Fre)**

[A case of reversible hyperkalemic distal renal tubular acidosis associated with chronic pyelonephritis] Sakamoto H, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1650–6 **(Jpn)**

[Chronic renal failure in calculous pyelonephritis in young children] Raupov AR, et al. **Pediatriia** 1987;(5):49–52 **(Rus)**

[Microcirculatory and hemostatic disorders in calculous pyelonephritis patients] Neĭmark AI, et al. **Ter Arkh** 1986; 58(8):23–7 (Eng. Abstr.) **(Rus)**

[Acute pneumonia complicating chronic pyelonephritis in persons over 60–years–old] Nonikov VE, et al. **Ter Arkh** 1987;59(1):97–101 (Eng. Abstr.) **(Rus)**

[Acute autoimmune hemolytic anemia as a manifestation of toxemia of pregnancy] Zakatova LV, et al. **Vrach Delo** 1987 Jun;(6):86–8 **(Rus)**

[Emphysematous pyelonephritis alone and associated with emphysematous cholecystitis] Becerril Patlán R, et al. **Rev Gastroenterol Mex** 1987 Jan–Mar;52(1):41–5 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Sonographic findings in infundibulopelvic stenosis] Schneider K, et al. **Monatsschr Kinderheilkd** 1986 Aug; 134(8):559–60 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Pregnancy in IgA nephropathy, reflux nephropathy, and focal glomerular sclerosis. Jungers P, et al. **Am J Kidney Dis** 1987 Apr;9(4):334–8 (20 ref.)

Renal disease in pregnancy. Three controversial areas: mesangial IgA nephropathy, focal glomerular sclerosis (focal and segmental hyalinosis and sclerosis), and reflux nephropathy. Kincaid–Smith P, et al. **Am J Kidney Dis** 1987 Apr;9(4):328–33

Spectrum of gas within the kidney. Emphysematous pyelonephritis and emphysematous pyelitis. Evanoff GV, et al. **Am J Med** 1987 Jul;83(1):149–54

Acute pyelonephritis in children. Preliminary results obtained with NMR imaging. Raynaud C, et al. **Contrib Nephrol** 1987;56:129–34

Imaging in emphysematous pyelonephritis—the use of indium–111 labelled leucocyte scanning and computed tomography. O'Neill H, et al. **Ir J Med Sci** 1986 Nov; 155(11):397–8

The characteristics and hospital course of patients admitted for presumed acute pyelonephritis. Grover SA, et al. **J Gen Intern Med** 1987 Jan–Feb;2(1):5–10

New sensitive markers for the detection of experimental ascending pyelonephritis. Garg UC, et al. **Life Sci** 1987 Jul 6;41(1):51–6

Emphysematous pyelonephritis. Olazabal A, et al. **Urology** 1987 Jan;29(1):95–8

[Value of the echography of the maternal kidney during pregnancy] Nguyen Tan Lung R, et al. **Ann Urol (Paris)** 1986;20(6):381–3 (Eng. Abstr.) **(Fre)**

[The silent kidney. Evolving ultrasonic picture of emphysematous pyelonephritis: the vanishing kidney. Apropos of a case] Eisenscher A, et al. **J Radiol** 1987 Mar; 68(3):219–23 (Eng. Abstr.) **(Fre)**

[Urinary tract infection and pyelonephritis] Blumberg A. **Schweiz Rundsch Med Prax** 1987 Jan 20;76(4):61–5 (Eng. Abstr.) **(Ger)**

[Determination of the urinary secretion of beta 2–microglobulin combined with sequential renal scintigraphy using H123 for the early diagnosis of pyelonephritis in children] Di Pietro A, et al. **Pediatr Med Chir** 1986 Jul–Aug;8(4):511–3 (Eng. Abstr.) **(Ita)**

[Skin cellular reaction in the clinical picture of pyelonephritis in children] Bozhenov IuA. **Lab Delo** 1987;(1):35–8 (Eng. Abstr.) **(Rus)**

[Clinico–pathogenetic characteristics of pyelonephritis in children in relation to the nature of the bacteriuria] Petrushina AD, et al. **Pediatriia** 1986 Nov;(11):18–9 (Eng. Abstr.) **(Rus)**

[Acute pyelonephritis in pregnant women] Petrichko MI. **Sov Med** 1987;(4):108–11 **(Rus)**

[Value of the antibody–coated bacteria test in the diagnosis of chronic pyelonephritis] Mal'kov PS, et al. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):29–32 (Eng. Abstr.) **(Rus)**

[The allergen–renographic provocation test as a diagnostic method in latent chronic pyelonephritis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr;(2):15–9 (Eng. Abstr.) **(Rus)**

[Comprehensive intraoperative bacteriological diagnosis of calculous pyelonephritis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):17–22 (Eng. Abstr.) **(Rus)**

[Diagnostic errors and differential diagnosis of kidney abnormalities and surgical diseases of the organs of the abdominal cavity] Shimkus EM, et al. **Vestn Khir** 1986 Nov; 137(11):112–5 **(Rus)**

DRUG THERAPY

Activity of LY146032 in vitro and in experimental enterococcal pyelonephritis. Miniter PM, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1199–203

Kidney function of pyelonephritis patients with impaired renal function treated with mezlocillin. Lewandowski A, et al. **Arzneimittelforschung** 1986 Jul;36(7):1148–50

Ofloxacin: therapeutic activity in experimental infections. Guerra L, et al. **Chemioterapia** 1986 Dec;5(6):375–8

Temocillin in the treatment of pyelonephritis in children. Verboven M, et al. **Drugs Exp Clin Res** 1987;13(3):171–3

Effect of cyclophosphamide on experimental acute hematogenous pyelonephritis caused by Staphylococcus saprophyticus. Sharma S, et al. **Indian J Med Res** 1987 Mar;85:253–8

Ethics in clinical studies [letter] Alestig K, et al. **Scand J Infect Dis** 1987;19(2):275–6

The combination of pivampicillin and pivmecillinam versus pivampicillin alone in the treatment of acute pyelonephritis. Eriksson S, et al. **Scand J Infect Dis** 1986;18(5):431–8

Current therapy of urinary tract infections and pyelonephritis. Lawrence RM. **Semin Nephrol** 1986 Sep; 6(3):241–50 (51 ref.)

Acute pyelonephritis. Fierer J. **Urol Clin North Am** 1987 May;14(2):251–6

[Treatment and prognosis of urinary tract infection] Ye RG, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Aug;25(8):472–4, 510 (Eng. Abstr.) **(Chi)**

[Urinary excretion of phospholipids: index of aminoglycoside nephrotoxicity] Olier B, et al. **Pathol Biol (Paris)** 1986 Jun; 34(5 Pt 2):577–81 (Eng. Abstr.) **(Fre)**

[Treatment of nonspecific pyelonephritis in renal tuberculosis] Minakov NK. **Sov Med** 1986;(10):109–11 **(Rus)**

[Immunocorrective therapy of chronic pyelonephritis patients] Tkachuk VN, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):8–11 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Effect of antibiotic chemotherapy on urinary N–acetyl–B–D–glucosaminidase activity in patients with chronic pyelonephritis] Cottone G, et al. **Minerva Med** 1986 Oct 6;77(38):1717–20 (Eng. Abstr.) **(Ita)**

[Clinico–biochemical and morphological changes in obstructive calculous pyelonephritis in children] Akylbaev DD, et al. **Vestn Khir** 1986 Oct;137(10):86–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fecal colonization with pyelonephritogenic Escherichia coli in neonates as a risk factor for pyelonephritis. Tullus K, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):643–8

Strain–dependent difference in susceptibility of mice to experimental ascending pyelonephritis. Guze PA, et al. **J Infect Dis** 1987 Sep;156(3):523–5

Pyelonephritis and sepsis due to Staphylococcus saprophyticus [letter] Lee W, et al. **J Infect Dis** 1987 May; 155(5):1079–80

Reflux nephropathy [editorial] Kincaid–Smith P, et al. **Med J Aust** 1987 Jun 1;146(11):563–4

Pyelonephritis and reflux nephropathy. Tanagho EA. **Nippon Jinzo Gakkai Shi** 1986 Jul;28(7):860–73

Pregnancy complications among diabetic women: review 1965–1985. Cousins L. **Obstet Gynecol Surv** 1987 Mar; 42(3):140–9 (55 ref.)

Reflux nephropathy. Lerner GR, et al. **Pediatr Clin North Am** 1987 Jun;34(3):747–70 (124 ref.)

Corynebacterium group D2 pyelonephritis. Schoch PA, et

al. **Urology** 1987 Jan;29(1):66–7
[Reflux nephropathy in children] Ikoma F.
Nippon Hinyokika Gakkai Zasshi 1986 Dec;77(12):1944–6 **(Jpn)**
[Current theories on the pathogenesis of pyelonephritis] Lao M, et al. **Pediatr Pol** 1987 Feb;62(2):137–43 **(Pol)**
[Features of the pathogenesis of anemia in pregnant women with pyelonephritis] Genkin LIu, et al.
Akush Ginekol (Mosk) 1986 Oct;(10):35–8 (Eng. Abstr.) **(Rus)**
[Pathogenesis of a combined lesion of the kidney caused by tuberculosis and chronic pyelonephritis] Minakov NK, et al. **Probl Tuberk** 1987;(4):40–4 (Eng. Abstr.) **(Rus)**
[Immunopathological mechanisms of the development of pyelonephritis and its potential immunotherapy] Drannik GN, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):66–72 (130 ref.) **(Rus)**
[Characteristics of the pathogenesis and clinical course of a combined kidney lesion of tuberculosis and chronic pyelonephritis in the Far North] Minakov NK.
Urol Nefrol (Mosk) 1986 Jul–Aug;(4):25–9 (Eng. Abstr.) **(Rus)**
[A case of urethro–oculo–synovial syndrome complicated by pyelonephritis] Koliadenko VG, et al. **Vrach Delo** 1986 Aug;(8):98–9 **(Rus)**
[Pathogenesis of abacterial chronic pyelonephritis] Ukhal' MI. **Vrach Delo** 1986 Sep;(9):70–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cellular basis of host defence in pyelonephritis. III. Deletion of individual components. Miller TE, et al.
Br J Exp Pathol 1987 Jun;68(3):377–88
Peripheral lymphocyte subsets in human chronic pyelonephritis. Favaro S, et al. **Clin Nephrol** 1986 Aug; 26(2):101–5
Serological response to the P fimbriae of uropathogenic Escherichia coli in pyelonephritis. de Ree JM, et al.
Infect Immun 1987 Sep;55(9):2204–7
Immunology of pyelonephritis. VIII. E. coli causes granulocytic aggregation and renal ischemia. Kaack MB, et al. **J Urol** 1986 Nov;136(5):1117–22
Immunology of pyelonephritis. VII. Effect of allopurinol. Roberts JA, et al. **J Urol** 1986 Oct;136(4):960–3
[Cell subpopulations of pyelonephritis patients studied using monoclonal antibodies] Altunkova I, et al. **Vutr Boles** 1987; 26(3):22–7 (Eng. Abstr.) **(Bul)**
[Defense mechanisms of the macro–organism in bacteriuria in chronic pyelonephritis] Falkenhagen U, et al.
Z Urol Nephrol 1986 Nov;79(11):619–27 (Eng. Abstr.) **(Ger)**
[Phagocytosis in patients with chronic pyelonephritis] Falkenhagen U, et al. **Z Urol Nephrol** 1986 Nov; 79(11):629–36 (Eng. Abstr.) **(Ger)**
[Incidence of antibody–coated bacteria in patients with chronic pyelonephritis] Falkenhagen U, et al.
Z Urol Nephrol 1986 Nov;79(11):609–18 (Eng. Abstr.) **(Ger)**
[Longitudinal studies in children with pyelonephritis and glomerulonephritis with special reference to selected immune parameters] Schneeweiss B, et al.
Z Urol Nephrol 1986 Nov;79(11):637–45 (Eng. Abstr.) **(Ger)**
[Modification by cyclophosphamide of the effect of autovaccination in chronic pyelonephritis in an animal experiment] Straube E, et al. **Z Urol Nephrol** 1987 Jun; 80(6):353–63 (Eng. Abstr.) **(Ger)**
[Phagocytic activity of neutrophils and the nature of bacteriuria in children with chronic obstructive pyelonephritis] Iatsyk PK, et al. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):24–6 (Eng. Abstr.) **(Rus)**

METABOLISM

The phosphatidylcholine metabolism in the renal tissue during experimental acute and chronic pyelonephritis in the rabbit. Philippson C. **Exp Pathol** 1986;30(3):165–71
Benefit from high intrarenal levels of gentamicin in the treatment of E. coli pyelonephritis. Bergeron MG, et al.
Kidney Int 1986 Oct;30(4):481–7

MICROBIOLOGY

P-fimbriated Escherichia coli in adults with renal scarring and pyelonephritis. Jacobson SH.
Acta Med Scand [Suppl] 1986;713:1–64
Epidemiological aspects of P-fimbriated Escherichia coli. IV. Extraintestinal E. coli infections before the age of one year and their relation to fecal colonization with P-fimbriated E. coli. Tullus K, et al. **Acta Paediatr Scand** 1987 May; 76(3):463–9
Contribution of cloned virulence factors from uropathogenic Escherichia coli strains to nephropathogenicity in an experimental rat pyelonephritis model. Marre R, et al.
Infect Immun 1986 Dec;54(3):761–7
The frequency of in-vitro resistance development to fluoroquinolones and the use of a murine pyelonephritis model to demonstrate selection of resistance in vivo. Fernandes PB, et al. **J Antimicrob Chemother** 1987 Apr; 19(4):449–65
[Drug sensitivity of urinary microflora and the effect of treatment in exacerbated chronic pyelonephritis] Robeva R, et al. **Vutr Boles** 1986;25(3):68–74 (Eng. Abstr.) **(Bul)**
[Uroepithelial adherence of Escherichia coli strains in patients with chronic recurrent urinary tract infections] Straube E, et al. **Z Gesamte Hyg** 1986 Oct;32(10):598–601 (Eng. Abstr.) **(Ger)**
[Antibiotic sensitivity of the urinary enterobacteria in children with pyelonephritis] Tebloeva LT, et al.
Pediatriia 1986 Nov;(11):20–2 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Severe urinary tract infection in the Gisborne district [letter] Reddy J. **NZ Med J** 1986 May 28;99(802):380

PATHOLOGY

Emphysematous pyelonephritis [letter] Sabto J.
Clin Nephrol 1986 Nov;26(5):266–7
Fluorescence–activated cell analysis of P-fimbriae receptor accessibility on uroepithelial cells of patients with renal scarring. Jacobson S, et al. **Eur J Clin Microbiol** 1986 Dec; 5(6):649–54
Renal scarring and non–attaching Escherichia coli [letter] Lomberg H, et al. **Lancet** 1986 Dec 6;2(8519):1341
Microvascular injury and repair in acute human bacterial pyelonephritis. Iványi B, et al. **Virchows Arch [A]** 1987; 411(3):257–65
[Proximal ureter of the human in reflux nephropathy and in chronic, nonreflux–induced pyelonephritis. Histomorphometric study] Laberke HG, et al.
Urologe [A] 1986 Jul;25(4):241–4 (Eng. Abstr.) **(Ger)**
[Acute obstructive pyelonephritis (experimental research)] Rubtsov IuS. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):22–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Distal nephron sodium handling by normal, nephrotic, pyelonephritic and partially nephrectomized rats. Okay Y, et al. **Braz J Med Biol Res** 1986;19(2):295–302
[Complex evaluation of indices of the function of the feto–placental system in gestational pyelonephritis] Anisimova MI, et al. **Akush Ginekol (Mosk)** 1987 Feb; (2):67–9 **(Rus)**
[Functional and morphofunctional characteristics of the placenta in chronic pyelonephritis in pregnant women] Bilash OV. **Akush Ginekol (Mosk)** 1987 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**
[The renin–aldosterone system and kidney function in the puerperium in women suffering from glomerulo– and pyelonephritis] Filatov VI, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):39–42 **(Rus)**
[Water and salt metabolism in chronic pyelonephritis] Larionova TA. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):13–7 (Eng. Abstr.) **(Rus)**
[Disorders of renal and central hemodynamics and their correction in patients with acute suppurative calculous pyelonephritis] Neimark AI. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):27–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Antipili antibody affords protection against ascending pyelonephritis in rat: evaluated by renal brush border membrane enzymes. Garg UC, et al. **Biochem Int** 1987 Mar; 14(3):517–24
Lack of protection against ascending Escherichia coli pyelonephritis in diabetic rats following immunization with purified lipopolysaccharide. Bryan LE, et al.
Can J Microbiol 1986 Dec;32(12):967–9
[Prevention of acute and recurrent pyelonephritis in pregnancy] Lopatkin NA, et al. **Z Urol Nephrol** 1987 Jan; 80(1):17–23 (Eng. Abstr.) **(Ger)**
[Prevention of pyelonephritis] Rényi–Vámos F, et al.
Z Urol Nephrol 1986 Dec;79(12):717–21 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Computed tomography in acute pyelonephritis. Senn E, et al. **Br J Urol** 1987 Feb;59(2):118–21
CT evaluation of severe renal inflammatory disease in children. Montgomery P, et al. **Pediatr Radiol** 1987; 17(3):216–22
Computerized tomography and acute pyelonephritis in children. A clinical correlation. Greenfield SP, et al.
Urology 1987 Feb;29(2):137–40
Case profile: emphysematous pyelonephritis. Lowe FC, et al. **Urology** 1986 Dec;28(6):532–3
[Prevalence of arterial hypertension in patients with radiologic signs of chronic pyelonephritis] Kes P, et al.
Z Urol Nephrol 1986 Aug;79(8):473–80 (Eng. Abstr.) **(Ger)**
[A case of bilateral emphysematous pyelonephritis demonstrated by computed tomography] Kurokawa H, et al. **Rinsho Hoshasen** 1987 Apr;32(4):545–8 (Eng. Abstr.) **(Jpn)**
[Primary chronic pyelonephritis or diffuse kidney lesions? (critical comments on interpreting the data from a urologic x-ray examination)] Shpigel' AN. **Ter Arkh** 1986; 58(8):120–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Emphysematous pyelonephritis as seen on technetium–99m DTPA renal imaging. Leekam RN, et al.
Clin Nucl Med 1987 Feb;12(2):140–1

SURGERY

Emphysematous pyelonephritis: successful management by percutaneous drainage. Hudson MA, et al. **J Urol** 1986 Oct;136(4):884–6
[Hematuria of tubular origin in human kidney allografts. Tubulo–interstitial circulation of erythrocytes] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):147–57 (Eng. Abstr.) **(Hun)**

THERAPY

Acute pyelonephritis in pregnancy. Gilstrap LG 3d, et al.
Compr Ther 1986 Dec;12(12):38–42
[Two cases of emphysematous pyelonephritis—considerations on the choice of treatment] Muranaka K, et al. **Hinyokika Kiyo** 1987 Feb;33(2):243–50 (Eng. Abstr.) **(Jpn)**
[Rational therapy of pyelonephritis in pregnant women] Shekhtman MM, et al. **Akush Ginekol (Mosk)** 1986 Oct; (10):58–61 (Eng. Abstr.) **(Rus)**
[Remote results of the treatment of acute obstructive pyelonephritis in pregnancy using a suspended catheter–stent] Vasil'eva ZV, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):13–5 (Eng. Abstr.) **(Rus)**
[Therapeutic and prophylactic importance of mud applications in a complex of sanatorium and health resort factors for treating pyelonephritis in children] Boiarinova NE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):44–6 (Eng. Abstr.) **(Rus)**
[Sanatorium and health resort treatment of patients with combined pyelonephritis and nephrotuberculosis] Minakov NK. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug; (4):67–9 **(Rus)**

URINE

[Method of determining the fibrinolytic activity of urine] Goloshchapov ET. **Lab Delo** 1987;(5):355–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Pyelonephritis associated with renal failure in a horse. Held JP, et al. **J Am Vet Med Assoc** 1986 Sep 15;189(6):688–9

PYELONEPHRITIS, ACUTE NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

PYELONEPHRITIS, XANTHOGRANULOMATOUS

Granulomatous nephritis. Cohen MS. **Urol Clin North Am** 1986 Nov;13(4):647–59 (118 ref.)

COMPLICATIONS

Fistula and sinus formation in xanthogranulomatous pyelonephritis. A clinicopathological review and report of four cases. Parsons MA, et al. **Br J Urol** 1986 Oct; 58(5):488–93
Generalized amyloidosis secondary to xanthogranulomatous pyelonephritis. Querfeld U, et al. **Eur J Pediatr** 1986 Dec; 145(6):565–8
Coexistent xanthogranulomatous pyelonephritis and renal cell carcinoma. Radin DR, et al. **J Comput Tomogr** 1987 Jul; 11(3):294–6
Bilateral metachronous xanthogranulomatous pyelonephritis in end–stage renal failure. Golomb J, et al. **Urol Radiol** 1986;8(2):95–7
[Xanthogranulomatous pyelonephritis with cancer of the kidney pelvis—a rare coincidence] Jeney D, et al.
Urologe [A] 1986 Jul;25(4):220–3 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Xanthogranulomatous pyelonephritis in children and adults. Kural AR, et al. **Br J Urol** 1987 May;59(5):383–5
Serendipitous diagnosis of childhood xanthogranulomatous pyelonephritis in a child with osteomyelitis. Macpherson RI, et al. **Pediatr Radiol** 1987;17(2):159–61
Ultrasonography and needle aspiration in diagnosis of xanthogranulomatous pyelonephritis. Sease WC, et al.
Urology 1987 Feb;29(2):231–5
[Pseudotumoral xanthogranulomatous pyelonephritis. Apropos of a case] Hinaut R, et al. **J Radiol** 1986 Aug–Sep; 67(8–9):579–82 (Eng. Abstr.) **(Fre)**
[Xanthogranulomatous pyelonephritis] Kühl J, et al.
Monatsschr Kinderheilkd 1986 Nov;134(11):812–4 (Eng. Abstr.) **(Ger)**
[Xanthogranulomatous pyelonephritis] Szentgyörgyi E, et al. **Orv Hetil** 1987 Jan 11;128(2):85–7 (Eng. Abstr.) **(Hun)**
[Xanthogranulomatous pyelonephritis simulating tuberculosis] Gol'el'd IL, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):59–61 **(Rus)**
[Diagnosis of xanthogranulomatous pyelonephritis] Ristić D, et al. **Med Pregl** 1986;39(3–4):147–9 (Eng. Abstr.) **(Scr)**

ETIOLOGY

[A case of xanthogranulomatous pyelonephritis probably derived from a renal injury] Murayama K, et al.
Hinyokika Kiyo 1987 Apr;33(4):592–5 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Xanthogranulomatous pyelonephritis--study of 14 cases. Ranadive NU, et al. **J Postgrad Med** 1986 Jul;32(3):158–60, 160A

[Xanthogranulomatous pyelonephritis: report of 6 cases] Xia TL, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Jan; 25(1):49–51, 63 (Eng. Abstr.) **(Chi)**

[Xanthogranulomatous pyelonephritis] Battista R, et al. **Minerva Urol Nefrol** 1986 Jul–Sep;38(3):341–6 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Unusual long term follow-up of xanthogranulomatous pyelonephritis by computed tomography: case report. Castillo M, et al. **Comput Radiol** 1986 Jul–Aug;10(4):179–81

Xanthogranulomatous pyelonephritis in a child. Orzincolo C, et al. **Diagn Imag Clin Med** 1986;55(6):306–9

Xanthogranulomatous pyelonephritis with emphasis on computerized tomography scan. Retrospective study of 20 cases and literature review. Claes H, et al. **Urology** 1987 Apr;29(4):389–93

SURGERY

Xanthogranulomatous pyelonephritis in childhood: report on an unusual case. Esposito G, et al. **Z Kinderchir** 1987 Apr; 42(2):120–2

PYGATHRIX see **CERCOPITHECIDAE**

PYKNOLEPSY see **EPILEPSY, PETIT MAL**

PYLORIC ANTRUM

Bouveret's syndrome presenting as upper gastrointestinal hemorrhage. Chait MM, et al. **Am J Gastroenterol** 1986 Dec;81(12):1199–201

Antral varices. Chen YM, et al. **Am J Gastroenterol** 1986 Dec;81(12):1191–2

Antral gastritis and ulceration in a patient with secondary syphilis. Beckman JW, et al. **Gastrointest Endosc** 1986 Oct; 32(5):355–6

ABNORMALITIES

Duplication of the stomach with a triple antrum appearance. Nishimaki T, et al. **Jpn J Surg** 1986 Jul;16(4):288–91

ANALYSIS

Sequences of gastrins purified from a single antrum of dog and of goat. Bonato C, et al. **Peptides** 1986 Jul–Aug; 7(4):689–93

ANATOMY & HISTOLOGY

A prospective study of intraoperative histologic antrum and corpus boundary in patients undergoing highly selective vagotomy for duodenal ulcer. Braghetto I, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):213–8

BLOOD SUPPLY

Diffuse vascular ectasia of the gastric antrum. Kruger R, et al. **Am J Gastroenterol** 1987 May;82(5):421–6

Hemoperitoneum from a ruptured aneurysm of the gastroepiploic artery [letter] Goldman G, et al. **J Clin Gastroenterol** 1986 Dec;8(6):696–7

CYTOLOGY

Dynamic histology of the antral epithelium in the mouse stomach: V. Proliferation gradient from the gland base to the isthmus at various times of day. el-Alfy M, et al. **Am J Anat** 1987 Jan;178(1):65–71

Long duration of mitosis and consequences for the cell cycle concept, as seen in the isthmal cells of the mouse pyloric antrum. II. Duration of mitotic phases and cycle stages, and their relation to one another. el-Alfy M, et al. **Cell Tissue Kinet** 1987 Mar;20(2):215–26

Antral gastrin and somatostatin cell populations in rats after chronic administration of histamine. Haentjens P, et al. **Digestion** 1987;36(1):1–6

Alterations in serum gastrin levels and antral G- and D-cell population following corticosteroid administration. RIA and immunocytochemical long-term study in guinea pigs. Xynos E, et al. **Digestion** 1987;36(1):7–12

DRUG EFFECTS

Effect of naloxone on the antral motor response to solid food in man. Sharpe GR, et al. **Eur J Clin Invest** 1987 Apr; 17(2):95–9

Dual action of cholecystokinin-octapeptide on the guinea pig antrum. Kantoh M, et al. **Gastroenterology** 1987 Feb; 92(2):376–82

Effect of antral acidification on acid secretion induced by meat and pentagastrin. Williams CB, et al. **Gastroenterology** 1969 Oct;57(4):399–405

Influence of chronic omeprazole treatment on gastric endocrine function. Koop H, et al. **Klin Wochenschr** 1987 Feb 16;65(4):169–73

EMBRYOLOGY

Immunohistochemical studies on the ontogenesis of some endocrine cells in the chicken antrum and duodenum. Salvi E, et al. **Basic Appl Histochem** 1986;30(3):307–16

ENZYMOLOGY

Distribution of carbonic anhydrase I in gastric and duodenal tissue sections. Shousha S, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):279–81

INJURIES

[Post-traumatic gastric rupture] Michel P, et al. **J Chir (Paris)** 1987 Feb;124(2):138–9 **(Fre)**

INNERVATION

Insulin hypoglycemia. Effect on gastric secretion in Heidenhain pouches with innervated excluded antra. Upsher M, et al. **Arch Surg** 1968 Feb;96(2):277–80

Suppression of oscillatory activity in crustacean pyloric neurons: implication of GABAergic inputs. Cazalets JR, et al. **J Neurosci** 1987 Sep;7(9):2884–93

METABOLISM

The clinical aspect of retained gastric antrum. Lee CH, et al. **Arch Surg** 1986 Oct;121(10):1181–6

Effects of bombesin on the release of glycine-extended progastrin (gastrin G) in rat antral tissue culture. Azuma T, et al. **Gastroenterology** 1987 Aug;93(2):322–9

Cholinergic mediation of gamma-aminobutyric acid-induced gastrin and somatostatin release from rat antrum. Harty RF, et al. **Gastroenterology** 1986 Nov;91(5):1221–6

Antral somatostatin contents and acidity of gastric juice in normal subjects and patients with duodenal ulcer. Sumii K, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):343–6

MICROBIOLOGY

Campylobacter like organisms in duodenal and antral endoscopic biopsies: relationship to inflammation. Johnston BJ, et al. **Gut** 1986 Oct;27(10):1132–7

14C-urea breath analysis, a non-invasive test for Campylobacter pylori in the stomach [letter] Bell GD, et al. **Lancet** 1987 Jun 13;1(8546):1367–8

Spiral organisms in the gastric antrum [letter] Dent JC, et al. **Lancet** 1987 Jul 11;2(8550):96

[First prospective findings on the incidence of Campylobacter pyloridis in human antrum mucosa in West Germany] Menge H, et al. **Med Klin** 1987 Jan 16;82(1):23–5 (Eng. Abstr.) **(Ger)**

[Isolation of Campylobacter pyloridis from gastric biopsy material] Csiszár K, et al. **Orv Hetil** 1987 Jul 5; 128(27):1419–21 (Eng. Abstr.) **(Hun)**

PATHOLOGY

The antral gastrin-producing cells in duodenal ulcer patients. A study of preoperative G-cell densities, fasting serum-gastrin, pre- and postoperative gastric acid secretion and outcome after parietal cell vagotomy. Nielsen HO. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Mar; 95(2):99–101

Immunohistochemistry and morphometry of gastrin cells in the rat pyloric antrum during starvation. Oomori Y. **Anat Embryol (Berl)** 1986;175(1):7–14

Pyloroduodenal fistula--a benign complication of peptic ulcer disease. A report of 2 cases. Hurwitz J, et al. **S Afr Med J** 1987 Jul 4;72(1):56–8

[Retained gastric antrum: diagnostic and therapeutic considerations] Avilés JF, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):557–60 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effects of colon to antrum transposition on gastrin release and antral G-cell proliferation. Ratto GB, et al. **Acta Chir Scand** 1986 Aug–Sep;152:515–9

Antrum participates in the postprandial augmentation of the acid response to exogenous gastrin in conscious cats. Fernström M, et al. **Acta Physiol Scand** 1987 Jun; 130(2):265–71

Effect of selective proximal vagotomy without and with pyloroplasty on gastroduodenal motility. Holle GE, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G752–8

Pyloric contribution to antroduodenal resistance to flow in the conscious dog. Mearin F, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G72–8

Physiological characteristics of ovine pyloric sphincter. Ruckebusch Y, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G804–14

Effects of luminal salt concentration on electrical pathways in Necturus antrum. Soybel DI, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G19–27

Lateral hypothalamic sites in cats for stimulation of gastric antral contractions. Feng HS, et al. **Clin Invest Med** 1987 May;10(3):140–4

Effect of naloxone on the antral motor response to solid food in man. Sharpe GR, et al. **Eur J Clin Invest** 1987 Apr; 17(2):95–9

Effects of luminal hyperosmolality on cellular and paracellular ion transport pathways in necturus antrum. Soybel DI, et al. **Gastroenterology** 1987 Sep;93(3):456–65

Myoelectric activity of gastric antrum and jejunum in anaesthetised guinea pigs. Krishnamurthy N, et al. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):210–4

Inhibition of antral and pyloric electrical activity by vagal afferent stimulation in the rabbit. Deloof S, et al. **J Auton Nerv Syst** 1987 Apr;19(1):13–20

A permissive role for the vagus nerves in the genesis of antro-antral reflexes in the anaesthetized ferret. Grundy D, et al. **J Physiol (Lond)** 1986 Dec;381:377–84

[Antroduodenal coordination] Lux G, et al. **Z Gastroenterol** 1986 Sep;24 Suppl 2:55–61 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Relationship between antropyloric and intestinal motility and duodenogastric reflux in fasting dogs. Defilippi C, et al. **Dig Dis Sci** 1987 Feb;32(2):171–6

[Duodenal and antral influences on acid formation in the stomach in peptic ulcer] Zaltseva EI, et al. **Vutr Boles** 1986; 25(5):22–3 **(Bul)**

[Pathophysiological mechanisms of vagotomy] Mysh VG. **Klin Khir** 1986;(8):63–5 (33 ref.) **(Rus)**

RADIOGRAPHY

Multiple transverse folds in the gastric antrum. Cho KC, et al. **Radiology** 1987 Aug;164(2):339–41

SECRETION

Autonomic nervous control of fundic secretion of somatostatin and antral secretion of gastrin and somatostatin in pigs. Olesen M, et al. **Digestion** 1987; 36(1):24–35

Secretion and biosynthesis of COOH-terminal glycine extended progastrin (gastrin-G) in rat gastric antrum. Azuma T. **Gastroenterol Jpn** 1987 Apr;22(2):149–57

[Changes in the functional-morphological indices of somatostatin-producing D-cells of the gastric antrum induced by vagus nerve stimulation] Khomeriki SG, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):34–9 (Eng. Abstr.) **(Rus)**

SURGERY

Effect of Roux-en-Y gastroenterostomy on gastric emptying of a solid meal following antrectomy and vagotomy. Lundell L, et al. **Ann Chir Gynaecol** 1986;75(4):201–4

Role of the proximal duodenum in gastrin regulation following antrectomy. Ratto GB, et al. **Eur Surg Res** 1987; 19(4):233–40

Proximal gastric vagotomy and mucosal antrectomy: effect on gastric acid secretion, plasma gastrin, and experimental ulcerogenesis in the dog. Richter HM 3d, et al. **Surgery** 1987 May;101(5):623–31

[Regeneration in the area of an anastomosis of the stomach and small intestine] Cherviak PI. **Klin Khir** 1986;(8):30–2 (Eng. Abstr.) **(Rus)**

[Effect of vagotomy with antrumectomy on very high acid production in duodenal ulcer patients] Arkhipov VF, et al. **Vestn Khir** 1986 Jul;137(7):30–2 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Long duration of mitosis and consequences for the cell cycle concept, as seen in the isthmal cells of the mouse pyloric antrum. I. Identification of early and late steps of mitosis. el-Alfy M, et al. **Cell Tissue Kinet** 1987 Mar;20(2):205–13

Somatostatin-containing D cells exhibit immunoreactivity for rat somatostatin cryptic peptide in six mammalian species. An electron-microscopical study. Varndell IM, et al. **Cell Tissue Res** 1986;246(1):197–204

Localization of G cells in the antral mucosa of Rana temporaria: immunocytochemical and electron microscopy study. Díaz de Rada O, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):189–93

PYLORIC STENOSIS

[Infantile hypertrophic pyloric stenosis. Symptoms, treatment, complications and late results] Sørensen C, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):145–7 (Eng. Abstr.) **(Dan)**

BLOOD

Unconjugated hyperbilirubinaemia in hypertrophic pyloric stenosis, an enigma. Etzioni A, et al. **Z Kinderchir** 1986 Oct;41(5):272–4

CHEMICALLY INDUCED

Infantile hypertrophic pyloric stenosis after prenatal exposure to thalidomide. Schäfer KH, et al. **Eur J Pediatr** 1987 Jan; 146(1):63–7

Pyloric stenosis associated with erythromycin ingested through breastmilk. Stang H. **Minn Med** 1986 Nov; 69(11):669–70, 682

COMPLICATIONS

A 26-month-old child with Marden-Walker syndrome and pyloric stenosis. Gossage D, et al. **Am J Med Genet** 1987 Apr;26(4):915–9

Cow's milk intolerance and abdominal surgery: a puzzling connection. Ventura A, et al. **Helv Paediatr Acta** 1987 Mar; 41(6):487–94

[A case of hypertrophic stenosis of the pylorus and subsequent gastroesophageal reflux in an adult] Senni GA,

et al. **Minerva Dietol Gastroenterol** 1987 Apr–Jun; 33(2):195–8 (Eng. Abstr.) **(Ita)**

[Single-stage procedure in complicated duodenal ulcer and Hirschsprung disease] Vorob'ev GI, et al. **Khirurgiia (Mosk)** 1987 May;(5):145–7 **(Rus)**

[Fat bezoars of the stomach in decompensated pyloric stenosis] Ibadov IIu, et al. **Klin Khir** 1987;(2):53 **(Rus)**

[Hypokalemic alkalosis in patients with pyloroduodenal stenosis] Gladkikh VG, et al. **Vestn Khir** 1986 Oct; 137(10):127–8 (Eng. Abstr.) **(Rus)**

CONGENITAL

Anaesthesia for congenital hypertrophic pyloric stenosis. A review of 350 patients. MacDonald NJ, et al. **Br J Anaesth** 1987 Jun;59(6):672–7

Epidemiological survey of 6 years' federal health service experience of pyloric stenosis: case report of presentation in a 26-month male. Reyna TM, et al. **Clin Pediatr (Phila)** 1987 Aug;26(8):412–4

Pyloric stenosis associated with hypothermia [letter] Yagupsky P, et al. **J Trop Pediatr** 1986 Oct;32(5):270

[Congenital stenosis of the pylorus in triplets (letter)] Sanyas P, et al. **Arch Fr Pediatr** 1986 May;43(5):368 **(Fre)**

[Retrospective analysis of disposition to infantile hypertrophic pyloric stenosis] Stoye JU. **Padiatr Grenzgeb** 1987;26(2):115–22 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Diagnostic delay due to chlorophyll in oral rehydration solution [letter] Acheson DW, et al. **Lancet** 1987 Jan 17; 1(8525):171

Hypertrophic pyloric stenosis: diagnosis using US. Haller JO, et al. **Radiology** 1986 Nov;161(2):335–9

Ultrasonography in the diagnosis of pyloric stenosis. Mollitt DL, et al. **South Med J** 1987 Jan;80(1):47–50

Adult hypertrophic pyloric stenosis: case report. Taliaferro L, et al. **Tex Med** 1986 Sep;82(9):27–8

[Infantile hypertrophic pyloric stenosis. Symptoms, treatment, complications and late results] Sørensen C, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):145–7 (Eng. Abstr.) **(Dan)**

[Diagnosis of hypertrophic pyloric stenosis using echography] de Rhoter W, et al. **Ned Tijdschr Geneeskd** 1987 May 9;131(19):825–8 (Eng. Abstr.) **(Dut)**

[Diagnosis of hypertrophic pyloric stenosis using echography (letter)] Lambrecht L, et al. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1142 **(Dut)**

[Hypertrophic pyloric stenosis—an indication for sonography] Zoder G, et al. **ROFO** 1986 Dec;145(6):681–3 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of hypertrophic pyloric stenosis] Polgár M, et al. **Orv Hetil** 1986 Sep 14;127(37):2257–60 (Eng. Abstr.) **(Hun)**

DRUG THERAPY

Corticosteroids in treatment of obstructive lesions of chronic granulomatous disease. Chin TW, et al. **J Pediatr** 1987 Sep; 111(3):349–52

ETIOLOGY

Infantile hypertrophic pyloric stenosis and cow's milk intolerance. Davanzo R, et al. **Pediatr Med Chir** 1987 Jan–Feb;9(1):77–80

Carcinoid tumour presenting as recurrent gastric outlet obstruction: a case of long-term survival. Green ST, et al. **Scott Med J** 1987 Apr;32(2):54–5

Gastric outlet obstruction due to a gallstone. Kang JY, et al. **Singapore Med J** 1987 Feb;28(1):89–91

[Acute total obstruction of the stomach] Dyktyński P, et al. **Wiad Lek** 1986 May 15;39(10):700–1 (Eng. Abstr.) **(Pol)**

METABOLISM

Histamine and mast cell study in the gastric tissue of south Indian patients suffering from duodenal ulcer with pyloric stenosis. Rai UC, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):295–9

OCCURRENCE

Pyloric stenosis in Western Australia, 1971–84. Hitchcock NE, et al. **Arch Dis Child** 1987 May;62(5):512–3

Increasing incidence of infantile hypertrophic pyloric stenosis (IHPS) [letter] Kinane B, et al. **Ir Med J** 1986 Oct; 79(10):298

PATHOLOGY

Abnormalities of peptide-containing nerve fibers in infantile hypertrophic pyloric stenosis. Wattchow DA, et al. **Gastroenterology** 1987 Feb;92(2):443–8

The extent of muscle hypertrophy in infantile hypertrophic pyloric stenosis does not depend on age and duration of symptoms. Ukabiala O, et al. **J Pediatr Surg** 1987 Mar; 22(3):200–2

Ultrasonic "double track" sign in hypertrophic pyloric stenosis. Cohen HL, et al. **J Ultrasound Med** 1987 Mar; 6(3):139–43

PHYSIOPATHOLOGY

Influence of age, sex, duration of symptoms and dehydration of serum electrolytes in hypertrophic pyloric stenosis. Beasley SW, et al. **Aust Paediatr J** 1986 Aug;22(3):193–7

SURGERY

Pyloric stenosis—a timed perspective. Golladay ES, et al. **Arch Surg** 1987 Jul;122(7):825–6

Prolonged gastric retention of a swallowed coin following pyloromyotomy. Fleisher AG, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):811–3

Pyloric stenosis complicating duodenal ulceration. Ellis H. **World J Surg** 1987 Jun;11(3):315–8

[Procedural problems in ulcerative pyloro-duodenal stenosis] Milkov G. **Khirurgiia (Sofiia)** 1987;40(1):28–31 (Eng. Abstr.) **(Bul)**

[Vagotomy and drainage adapted for ulcerous stenosis] Picaud R, et al. **J Chir (Paris)** 1986 Jun–Jul;123(6–7):384–9 (Eng. Abstr.) **(Fre)**

[Role of intensive therapy in restoring homeostasis after surgical treatment of patients with pyloric stenosis] Gudivok II. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):61–5 (Eng. Abstr.) **(Rus)**

[Surgical treatment of ulcerogenic pyloroduodenal stenosis] Kharaberiush VA, et al. **Klin Khir** 1986;(8):45–7 (Eng. Abstr.) **(Rus)**

[Effect of anesthesia and operation on the level of serum immunoglobulins and the incidence of postoperative suppurative complications in children with congenital pyloric stenosis] Rotar' VI, et al. **Klin Khir** 1987;(6):37–8 (Eng. Abstr.) **(Rus)**

[Treatment of complicated stomach cancer] Akhmeteli TI, et al. **Vestn Khir** 1987 Mar;138(3):70–2 **(Rus)**

[Pneumatosis of the ileum combined with peptic stenosis of the pylorus] Karaman NV, et al. **Vestn Khir** 1987 Apr; 138(4):57–8 **(Rus)**

[Combined complications of pyloroduodenal ulcer and their treatment] Ziubritskiĭ NM, et al. **Vestn Khir** 1987 Jan; 138(1):17–20 (Eng. Abstr.) **(Rus)**

THERAPY

Balloon dilatation of alimentary tract strictures. Hegedüs V, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov–Dec; 27(6):681–6

VETERINARY

Gastric retention associated with acquired pyloric stenosis in a gelding. Church S, et al. **Equine Vet J** 1986 Jul; 18(4):332–4

Reticulo-omasal stenosis in the cow: differential diagnosis with respect to pyloric stenosis. Kuiper R, et al. **Vet Rec** 1986 Aug 23;119(8):169–71

Secondary indigestion as a cause of functional pyloric stenosis in the cow. Kuiper R, et al. **Vet Rec** 1986 Oct 18; 119(16):404–6

[Hoflund syndrome 47 years later] Kuiper R, et al. **DTW** 1987 May 7;94(5):271–3 (15 ref.) (Eng. Abstr.) **(Ger)**

PYLORUS

see related
GASTRIC EMPTYING

Marked hypochloremic metabolic alkalosis with severe compensatory hypoventilation. Lavie CJ, et al. **South Med J** 1986 Oct;79(10):1296–9

ABNORMALITIES

Congenital pyloric atresia and epidermolysis bullosa letalis in premature siblings. Rosenbloom MS, et al. **J Pediatr Surg** 1987 Apr;22(4):374–6

Congenital pyloric atresia. A report on a successfully treated case and existing research. Kodama Y, et al. **Nippon Ika Daigaku Zasshi** 1986 Aug;53(4):409–15

Pyloric atresia associated with epidermolysis bullosa. Orense M, et al. **Pediatr Radiol** 1987;17(5):435

ANATOMY & HISTOLOGY

Ultrasound examination of the normal pyloric sphincter in neonates. Langlois SL, et al. **Australas Radiol** 1987 Feb; 31(1):53–7

DRUG EFFECTS

Pharmacological examination of cholecystokinin (CCK-8)-induced contractile activity in the rat isolated pylorus. Murphy RB, et al. **Peptides** 1987 Jan–Feb; 8(1):127–34

ENZYMOLOGY

Immunohistochemical demonstration of pyloric gland-type cells with low-pepsinogen isozyme 1 in preneoplastic and neoplastic tissues of rat stomachs treated with N-methyl-N'-nitro-N-nitrosoguanidine. Tatematsu M, et al. **JNCI** 1987 Apr;78(4):771–7

MICROBIOLOGY

[Detection of pyloric Campylobacter in patients with gastroduodenal diseases] Ramírez-Ramos A, et al. **Acta Gastroenterol Latinoam** 1986;16(1):9–22 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Abnormalities of peptide-containing nerve fibers in infantile hypertrophic pyloric stenosis. Wattchow DA, et al. **Gastroenterology** 1987 Feb;92(2):443–8

Transmural pyloric perforation associated with naproxen administration in a dog. Daehler MH. **J Am Vet Med Assoc** 1986 Sep 15;189(6):694–5

The extent of muscle hypertrophy in infantile hypertrophic pyloric stenosis does not depend on age and duration of symptoms. Ukabiala O, et al. **J Pediatr Surg** 1987 Mar; 22(3):200–2

Erosive prepyloric changes (EPC)—a new entity. Berstad A, et al. **Scand J Gastroenterol [Suppl]** 1987;128:94–100

[Pathogenesis of pyloric ulcers in the fattening calf] Krauser K. **Berl Munch Tierarztl Wochenschr** 1987 May 1; 100(5):156–61 (Eng. Abstr.) **(Ger)**

[Gastric mucosal changes induced in rats by insertion of a stainless steel spring into the pyloric sphincter] Tani T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):20–6 (Eng. Abstr.) **(Jpn)**

[Pyloric hypertrophy of the adult. Presentation of 4 cases] Ortiz de Solorzano Aurusa J, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):456–60 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Pyloric ceca of fish: a "new" absorptive organ.Buddington RK, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G65–76

Three-dimensional imaging of the stomach: role of pylorus in the emptying of liquids. Kumar D, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G79–85

Pyloric contribution to antroduodenal resistance to flow in the conscious dog. Mearin F, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):G72–8

Properties of the feline pyloric sphincter in vitro. Bertiger G, et al. **Gastroenterology** 1987 Jun;92(6):1965–72

The mechanism of the inhibition of gastric secretion produced by esophageal ligation in the pylorus-ligated rat. Brodie DA, et al. **Gastroenterology** 1966 Jun;50(6):787–95

Role of pylorus in the control of the canine migrating motor complex. Malbert CH, et al. **Gastroenterology** 1987 Jun; 92(6):1919–25

Inhibition of antral and pyloric electrical activity by vagal afferent stimulation in the rabbit. Deloof S, et al. **J Auton Nerv Syst** 1987 Apr;19(1):13–20

Pancreatoduodenectomy preserving a functioning pylorus, the stomach, and a pancreatic remnant: a complex functional evaluation. Pap A, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):535–40

The manometric findings at the human pylorus. The evidence against the presence of a tonic sphincter. Gaffney PR, et al. **Scand J Gastroenterol** 1987 Jun;22(5):525–32

RADIOGRAPHY

[Double pylorus (antrobulbar fistula) associated with peptic ulcer] Cosme Jiménez A, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):257–8 (Eng. Abstr.) **(Spa)**

SURGERY

Gastric emptying and small bowel transit of solid food after pylorus-preserving pancreaticoduodenectomy. Patti MG, et al. **Arch Surg** 1987 May;122(5):528–32

Nissen fundoplication and pyloroplasty in the management of gastro-oesophageal reflux in children. Davidson BR, et al. **Br J Surg** 1987 Jun;74(6):488–90

Cholecystectomy and truncal vagotomy with pyloroplasty. The effect on duodenogastric reflux. Demetriades D. **S Afr Med J** 1987 Feb 21;71(4):239–41

Is pyloroplasty necessary in esophageal replacement by stomach? A prospective, randomized controlled trial. Cheung HC, et al. **Surgery** 1987 Jul;102(1):19–24

Recurrence after proximal gastric vagotomy for gastric, pyloric, and prepyloric ulcers. Heberer G, et al. **World J Surg** 1987 Jun;11(3):283–8

Pyloric and prepyloric ulcers. Muller C, et al. **World J Surg** 1987 Jun;11(3):339–44

Exposure to bile acids and bacteria over 24 hours following partial gastrectomy, vagotomy, and pyloroplasty. Poxon VA, et al. **World J Surg** 1986 Dec;10(6):981–9

[Gastric mucosal function in the late period following selective proximal vagotomy with pyloroplasty] Kanareĭtseva TD, et al. **Klin Med (Mosk)** 1986 Oct; 64(10):114–8 (Eng. Abstr.) **(Rus)**

PYOCINS see under **BACTERIOCINS**

PYOCYANINE see under **PHENAZINES**

PYODERMA

Pyoderma gangrenosum. Walling AD, et al. **Am Fam Physician** 1987 Jan;35(1):159–64

Pyoderma gangrenosum. Hickman JG. **Clin Dermatol** 1983 Jul–Sep;1(1):102–13 (84 ref.)

BLOOD

Serum C-reactive protein measurement in pyoderma gangrenosum. Rowe IF, et al. **Dermatologica** 1986; 173(5):216–9

COMPLICATIONS

Pyoderma gangrenosum with simultaneous contiguous arthritis [letter] Meirson D, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):141–2

Atypical bullous pyoderma gangrenosum associated with myeloid malignancies. Hay CR, et al. **J Clin Pathol** 1987 Apr;40(4):387–92

Three uncommon complications of chronic granulocytic leukaemia (CGL) [letter] Wilkinson MJ, et al. **NZ Med J** 1986 Nov 26;99(814):912

[Pyoderma gangrenosum associated with IgA deficiency] Choulot JJ, et al. **Ann Pediatr (Paris)** 1987 Mar;34(3):252 **(Fre)**

[Pyoderma gangrenosum and pelvispondylitis without patent intestinal disease. Apropos of a case] Le Goff P, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):137–9 (Eng. Abstr.) **(Fre)**

[A case of ulcerative colitis associated with pyoderma gangrenosum] Sakai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):291–6 **(Jpn)**

DIAGNOSIS

Pyoderma gangrenosum [letter] Sykes PA. **Br J Hosp Med** 1987 Apr;37(4):369

Malignant pyoderma: a manifestation of Wegener's granulomatosis? [letter] Lerner EA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1051–2

The best diagnosis? [letter] Lewis JE. **J Dermatol Surg Oncol** 1987 Jul;13(7):710, 712

[Pyoderma gangrenosum] Beck-Nafz A, et al. **Z Hautkr** 1987 Feb 1;62(3):177–9 **(Ger)**

[A case of ulcerative colitis with pyoderma gangrenosum] Sugie M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct; 83(10):2227–31 **(Jpn)**

[Diagnosis, therapy and prevention of pyoderma] Kalamkarian AA, et al. **Klin Med (Mosk)** 1986 Aug; 64(8):130–4 (25 ref.) **(Rus)**

[Ulcerative pyoderma of the lower extremities in military personnel] Zaerko VV. **Voen Med Zh** 1986 Sep;(9):52–3 **(Rus)**

DRUG THERAPY

Pyoderma gangrenosum associated with ulcerative colitis: treatment with disodium cromoglycate. Cave DR, et al. **Am J Gastroenterol** 1987 Aug;82(8):802–4

Pyoderma gangrenosum complicating ulcerative colitis: successful treatment with methylprednisolone pulse therapy and dapsone. Galun E, et al. **Am J Gastroenterol** 1986 Oct;81(10):988–9

Trimethoprim–polymyxin B sulfate cream versus fusidic acid cream in the treatment of pyodermas. Jaafar RB, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):60–3

Malignant pyoderma. Novice FM, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):42–4

Malignant pyoderma [letter] Aram H. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):392

The efficacy of mupirocin (pseudomonic acid) in the treatment of pyoderma in children. Phillips LM, et al. **Pediatr Emerg Care** 1985 Dec;1(4):180–3

[Effectiveness of complex therapy using ericyclin in patients with chronic pyoderma (5-year catamnestic data)] Bukharovich AM, et al. **Antibiot Med Biotekhnol** 1986 Jul; 31(7):553–5 (Eng. Abstr.) **(Rus)**

[Therapy of ulcerous forms of chronic pyoderma] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1987; (6):4–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pyoderma gangrenosum after colectomy for inflammatory bowel disease. Case report. Holmlund DE, et al. **Acta Chir Scand** 1987 Jan;153(1):73–4

Pyoderma gangrenosum with myelofibrosis. Kanel KT, et al. **Am J Med** 1987 May;82(5):1031–4

Pyoderma gangrenosum occurring 10 years after proctocolectomy for ulcerative colitis. Cox NH, et al. **Br J Hosp Med** 1986 Nov;36(5):363

The association of pyoderma gangrenosum with ulcerative colitis in Japan. Funakoshi N, et al. **Gastroenterol Jpn** 1986 Dec;21(6):630–2

Pyoderma gangrenosum occurring at multiple surgical incision sites. Klein JD, et al. **Gastroenterology** 1987 Mar; 92(3):810–3

Catheter infections during continuous peritoneal dialysis. Dale SE, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):205–8

Necrotizing dermatitis in patients receiving cancer chemotherapy. Dreizen S, et al. **Postgrad Med** 1987 Mar; 81(4):263–71

[Chronic herpes of the pyodermatitis vegetans type in chronic cutaneous lymphoid leukemia] Meunier L, et al. **Ann Dermatol Venereol** 1986;113(12):1199–204 (Eng. Abstr.) **(Fre)**

[Leg ulcer of the pyoderma gangrenosum type. Manifestation of tertiary cutaneous syphilis] Vaillant L, et al. **Ann Dermatol Venereol** 1987;114(5):699–702 **(Fre)**

[Postoperative pyoderma gangrenosum. Apropos of 2 cases] Doutre MS, et al. **J Chir (Paris)** 1987 May;124(5):319–22 (Eng. Abstr.) **(Fre)**

[Gangrenous pyoderma in monoclonal IgA gammopathy and functional disorders of T lymphocytes] Samochocki Z, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):409–12 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Pyoderma gangrenosum in a kindred. Precipitation by surgery or mild physical trauma. Shands JW Jr, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):931–4

IMMUNOLOGY

[Immunologic reactivity and nonspecific resistance of agricultural workers with pyoderma] Minas'lan AP. **Vestn Dermatol Venerol** 1986;(12):41–4 (Eng. Abstr.) **(Rus)**

[Evaluation of the nonspecific resistance of patients with impetiginous skin lesions] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986;(7):8–10 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Group-A, -B hemolytic Streptococcus skin infections in a meat-packing plant—Oregon. **MMWR** 1986 Oct 10; 35(40):629–30

OCCURRENCE

Pyoderma—an epidemiological study through school survey in Surat District (South Gujarat). Bhavsar BS, et al. **Indian J Public Health** 1985 Oct–Dec;29(4):233–7

PATHOLOGY

Pyoderma gangrenosum vs malignant pyoderma. Lumpers vs splitters. Malkinson FD. **Arch Dermatol** 1987 Mar; 123(3):333–7 (44 ref.)

Malignant pyoderma or pyoderma gangrenosum of the head and neck? Wernikoff S, et al. **Arch Dermatol** 1987 Mar; 123(3):371–5

Pustular pyoderma gangrenosum associated with ulcerative colitis in childhood. Report of two cases and review of the literature. Barnes L, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):608–14

Histopathologic and immunopathologic study of pyoderma gangrenosum. Su WP, et al. **J Cutan Pathol** 1986 Oct; 13(5):323–30

[Pyoderma gangrenosum. 14 personal observations and review of the literature] Guilhou JJ, et al. **J Mal Vasc** 1987; 12(2):202–7 (Eng. Abstr.) **(Fre)**

[Fistulous pyoderma caused by Serratia liquefaciens] Waldermann F, et al. **Hautarzt** 1987 Jan;38(1):36–9 (Eng. Abstr.) **(Ger)**

[A case of pyoderma vegetans (pyo-rhino-blepharo-stomatitis vegetans)] Ishibashi A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(14):1649–53 **(Jpn)**

[Chronic ulcerative vegetating scrofuloderma-like pyoderma] Kazangapova KB, et al. **Vestn Dermatol Venerol** 1987;(1):49–50 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Use of antimicrobial linen for the prevention and treatment of pyoderma in miners of the Donbass coal mine region] Likhacheva NP, et al. **Gig Sanit** 1986 Nov;(11):85–6 **(Rus)**

[Features of the plaque-formation reaction in servicemen in their initial period of service] Gorbakov VV, et al. **Voen Med Zh** 1987 Jan;(1):69 **(Rus)**

[Prevention and treatment of pyodermatitis in a military unit] Shaposhnikov OK, et al. **Voen Med Zh** 1987 Mar;(3):57–9 **(Rus)**

RADIOTHERAPY

[Use of lasers in the treatment of ecthyma and chronic ulcerative pyoderma] Zaerko VV, et al. **Voen Med Zh** 1987 Apr;(4):63–4 **(Rus)**

SURGERY

Pyoderma gangrenosum: skin grafting after preparation with hyperbaric oxygen. Davis JC, et al. **Plast Reconstr Surg** 1987 Feb;79(2):200–7

THERAPY

Blastomycosis-like pyoderma—report of a case responsive to combination therapy utilizing minocycline and carbon dioxide laser debridement. Sawchuk WS, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1041–4

Pyoderma gangrenosum of the head and neck. Schwarz MB, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):806–9

VETERINARY

An overview of bacterial skin disease in the dog. Ihrke PJ. **Br Vet J** 1987 Mar–Apr;143(2):112–8 (15 ref.)

Histopathologic features of pyotraumatic dermatitis. Reinke SI, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):57–60

Possible trimethoprim-sulphonamide induced polyarthritis [letter] Whur P. **Vet Rec** 1987 Jul 25;121(4):91–2

PYONEPHROSIS see **PYELONEPHRITIS**

PYORRHEA ALVEOLARIS see **PERIODONTAL DISEASES**

PYOTHORAX see **EMPYEMA**

PYRAMIDAL TRACTS

Reversed Chaddock method: a new method to elicit the upgoing great toe [letter] Tashiro K. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1321

Flunarizine- and cinnarizine-induced extrapyramidal reactions. Micheli F, et al. **Neurology** 1987 May;37(5):881–4

[A case of peroneal muscular atrophy with cerebellar ataxia, pyramidal signs and loss of deep sensations] Shinoda H, et al. **Rinsho Shinkeigaku** 1987 Mar;27(3):356–9 (Eng. Abstr.) **(Jpn)**

[Impairment of the accuracy of tracking movements in lesions of the cerebellum and pyramidal system in man] Burlachkova NI, et al. **Neirofiziologiia** 1987;19(3):291–9 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Muscular alteration in agyria with pyramidal tract anomaly. Hori A, et al. **Brain Dev** 1986;8(6):624–30

ANATOMY & HISTOLOGY

Course and termination of the pyramidal tract in the pig. Palmieri G, et al. **Arch Anat Microsc Morphol Exp** 1986–87; 75(3):167–76

Relationships between pyramidal and extrapyramidal systems. Perciavalle V. **Boll Soc Ital Biol Sper** 1986 Nov 30;62(11):1395–400

The origin of corticospinal projection neurons in rat. Miller MW. **Exp Brain Res** 1987;67(2):339–51

Neuroanatomy of the pyramidal decussation [letter] Landau WM. **J Neurosurg** 1986 Dec;65(6):884

Morphometry of the pyramidal tract in the spinal cord of normal rats. Arias MJ, et al. **Surg Neurol** 1987 Jul; 28(1):38–40

[Corticospinal neurons—a morphological review] Mizuno N. **No To Shinkei** 1986 Aug;38(8):719–40 (284 ref.) **(Jpn)**

[Relation of the pyramidal tract to groups of motor neurons in the spinal cord in cats] Cierny G, et al. **Bratisl Lek Listy** 1986 Nov;86(5):445–54 (Eng. Abstr.) **(Slo)**

CYTOLOGY

Effects of early environments on monkey cortex neuroanatomical changes following somatomotor experience: effects on layer III pyramidal cells in monkey cortex. Stell M, et al. **Behav Neurosci** 1987 Jun;101(3):341–6

Specific expression of the chicken delta-crystallin gene in the lens and the pyramidal neurons of the piriform cortex in transgenic mice. Kondoh H, et al. **Dev Biol** 1987 Mar; 120(1):177–85

Corticospinal neurons with branching axons to the dorsal column nuclei in the monkey. Bentivoglio M, et al. **J Comp Neurol** 1986 Nov 8;253(2):260–76

GROWTH & DEVELOPMENT

On the development of the pyramidal tract in the rat. II. An anterograde tracer study of the outgrowth of the corticospinal fibers. Gribnau AA, et al. **Anat Embryol (Berl)** 1986;175(1):101–10

Maintenance of transient occipitospinal axons in the rat. Sharkey MA, et al. **Brain Res** 1986 Dec;395(2):257–61

Hippocampal pyramidal cells and aging in the human: a quantitative study of neuronal loss in sectors CA1 to CA4. Mani RB, et al. **Exp Neurol** 1986 Oct;94(1):29–40

Redirected growth of pyramidal tract axons following neonatal pyramidotomy in cats. Tolbert DL, et al. **J Comp Neurol** 1987 Jun 8;260(2):299–311

Ultrastructural visualization of anterogradely transported horseradish peroxidase in developing corticospinal tract of rat. Joosten EA, et al. **J Histochem Cytochem** 1987 May; 35(5):623–6

INJURIES

Axons of the pyramidal tract do not increase their transport of growth-associated proteins after axotomy. Reh TA, et al. **Brain Res** 1987 Apr;388(1):1–6

The possible role of collateral sprouting in the functional restitution of corticospinal connections after spinal hemisection. Aoki M, et al. **Neurosci Res** 1986 Sep; 3(6):617–27

PATHOLOGY

Retrograde changes in the corticospinal tract of posttraumatic paraplegics. Fishman PS. **Arch Neurol** 1987 Oct;44(10):1082–4

Late-convalescent poliomyelitis. Corticospinal tract integrity. Fishman PS. **Arch Neurol** 1987 Jan;44(1):98–100

Assessment of spinal cord injury by counting corticospinal and rubrospinal neurons. Midha R, et al. **Brain Res** 1987 May 5;410(2):299–308

Size-dependent myelinated fiber loss in the corticospinal tract in Shy-Drager syndrome and amyotrophic lateral sclerosis. Sobue G, et al. **Neurology** 1987 Mar;37(3):529–32

PHYSIOLOGY

Electrophysiology of ethanol on central neurons. Siggins GR, et al. **Ann NY Acad Sci** 1987;492:350–66

Antidromic response to medullary pyramid stimulation in rats and its relation to that in cats. Harrison TA, et al. **Brain Behav Evol** 1986;29(3–4):143–61

Pyramidotomy abolishes the abnormal movements evoked by intracortical microstimulation in adult rats that sustained neonatal cortical lesions. Kartje-Tillotson G, et al. **Brain Res** 1987 Jul 7;415(1):172–7

Intrinsically directed pruning as a mechanism regulating the elimination of transient collateral pathways. Tolbert DL. **Brain Res** 1987 May;430(1):11–21

Response properties of the non-pyramidal tract neuron in the kitten motor cortex during early postnatal development: an intracellular HRP study. Yamamoto T, et al. **Brain Res** 1986 Oct;394(2):275–81

Non-invasive assessment of the pyramidal tract and motor pathway of primates. Ludolph AC, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jul;67(1):63–7

The effects upon the activity of hand and forearm muscles of intracortical stimulation in the vicinity of corticomotor neurones in the conscious monkey. Lemon RN, et al. **Exp Brain Res** 1987;66(3):621–37

Activity-related changes in electrical thresholds of pyramidal tract axons in the behaving monkey. Schmied A, et al. **Exp Brain Res** 1987;65(2):352–60

Selective facilitation of different hand muscles by single corticospinal neurones in the conscious monkey. Buys EJ, et al. **J Physiol (Lond)** 1986 Dec;381:529–49

Corticospinal facilitation of hand muscles during voluntary movement in the conscious monkey. Lemon RN, et al. **J Physiol (Lond)** 1986 Dec;381:497–527

Electrophysiological relationship between claustrum and contralateral area 4 and 6 pyramidal tract neurons. Cortimiglia R, et al. **Neurosci Lett** 1987 Feb 24;74(2):193–8

Physiological basis of motor effects of a transient stimulus to cerebral cortex. Amassian VE, et al. **Neurosurgery** 1987 Jan;20(1):74–93 (71 ref.)

Review of descending motor pathways involved with transcranial stimulation. York DH. **Neurosurgery** 1987 Jan; 20(1):70–3 (45 ref.)

Spontaneous enhancement of synchronous discharges of pyramidal cells and synchronization of recurrent inhibitions in the kindled hippocampus of the rabbit. Harada H. **Nippon Ika Daigaku Zasshi** 1987 Feb;54(1):78–84

[Dendritic action potentials of pyramidal neurons of the sensomotor cortex of the cerebral cortex of the cat] Labakhua TSh, et al. **Neirofiziologiia** 1986;18(4):435–43 (Eng. Abstr.) **(Rus)**

[Changes in pyramidal tract response to direct stimulation of the sensomotor cortex of the rabbit during formation of a conditioned reflex] Kozhedub RG, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):880–5 (Eng. Abstr.) **(Rus)**

[New methods for evaluating the conduction function of the pyramidal tract] Klopčič-Spevak M. **Med Pregl** 1986; 39(11–12):583–4 (Eng. Abstr.) **(Scr)**

[Pyramidal and extrapyramidal motor systems. Physiology and physiopathology] Loyber I, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):53–64 **(Spa)**

PHYSIOPATHOLOGY

Spastic pure motor monoparesis. Ashizawa T, et al. **Ann Neurol** 1986 Nov;20(5):638–41

A study of forelimb movements evoked by intracortical microstimulation after hemicerebellectomy in newborn, young and adult rats. O'Donoghue DL, et al. **Brain Res** 1986 Oct 22;385(2):311–20

Fine force and position control of select orofacial structures in the upper motor neuron syndrome. Barlow SM, et al. **Exp Neurol** 1986 Dec;94(3):699–713

[Value of the method of motor evoked potentials for the detection of neurologic complications of scoliosis surgery. Preliminary study of 11 cases] Dunoyer J, et al. **Chirurgie** 1987;113(2):166–71 (Eng. Abstr.) **(Fre)**

[Abnormalities in the pyramidal tract in subacute myelo-optico-neuropathy (SMON)—study using percutaneous cortical and spinal stimulation] Kachi T, et al. **Rinsho Shinkeigaku** 1987 Mar;27(3):360–5 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Application of tissue culture and cell-marking techniques to the study of neural transplants. Lindsay RM, et al. **Ann NY Acad Sci** 1987;495:35–52

ULTRASTRUCTURE

Non-myelinated axons are rare in the medullary pyramids of the macaque monkey. Ralston DD, et al. **Neurosci Lett** 1987 Jan 27;73(3):215–9

PYRAN COPOLYMER see under **POLYMERS**

PYRANS

The structure of vermistatin, a new metabolite from Penicillium vermiculatum. Fuska J, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1605–8

Strand scissions of DNA by patulin in the presence of reducing agents and cupric ions. Lee KS, et al. **J Antibiot (Tokyo)** 1987 May;40(5):692–6

Chemistry of maduramicin. II. Decarboxylation, abnormal ketalization and dehydration. McGahren WJ, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1541–50

ANALYSIS

2,3-Dihydroauriculatin, a new prenylated isoflavanone from Erythrina senegalensis. Application of the selective inept technique. Taylor RB, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):670–3

[Comparison of the gentiopicroside content and preparation of the root of Gentiana scabra collected in different seasons and in different growing years] Lu YR. **Chung Yao Tung Pao** 1986 May;11(5):42–4 **(Chi)**

[Polarographic determination of patulin] Wasicki P, et al. **Pharmazie** 1986 Dec;41(12):843–4 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Biosynthesis of patulin; in vitro conversion of gentisyl alcohol into patulin by microsomal enzyme(s) and retention of one of the carbinol protons in this reaction. Iijima H, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3534–7

The role of copper(I)-nicotinic acid complex on kojic acid biosynthesis by Aspergillus flavus. Megalla SE, et al. **J Basic Microbiol** 1987;27(1):29–33

CHEMICAL SYNTHESIS

Synthesis and hypoglycemic activity of 7,8-dihydro-6H-thiopyrano[3,2-d]pyrimidine derivatives and related compounds. Ohno S, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4150–65

Structure-activity study of 6-substituted 2-pyranones as inactivators of alpha-chymotrypsin. Boulanger WA, et al. **J Med Chem** 1986 Jul;29(7):1159–63

[Synthesis and pharmacologic evaluation of some dihydropyran carboxylic acids] Coudert P, et al. **Farmaco [Sci]** 1987 Feb;42(2):145–58 (Eng. Abstr.) **(Fre)**

[Synthesis and pharmacologic testing of phenyl-tetrahydropyrans and -thiopyrans with CNS activity: oxa- and thia-phencyclidines] Eiden F, et al. **Arch Pharm (Weinheim)** 1987 Apr;320(4):348–61 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Chaetochromins B, C and D, bis(naphtho-gamma-pyrone) derivatives from Chaetomium gracile. Koyama K, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):578–84

METABOLISM

Equilibrium cation binding selectivity of the carboxylic ionophore narasin A: a comparison with transport selectivities reported in two biological test systems. Caughey B, et al. **Biochem Pharmacol** 1986 Nov 15; 35(22):4103–5

The use of nonradiolabelled steroid infusions to investigate the origin of oestrone sulphate in postmenopausal women. Reed MJ, et al. **Horm Metab Res** 1986 Nov;18(11):779–83

[Studies on the pharmacokinetics of qinghaosu and two of its active derivatives in dogs] Zhao KC, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):736–9 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

DNA-damaging activity of patulin in Escherichia coli. Lee KS, et al. **Appl Environ Microbiol** 1986 Nov;52(5):1046–54

Time-dependent inactivation of chick-embryo prolyl 4-hydroxylase by coumalic acid. Evidence for a syncatalytic mechanism. Günzler V, et al. **Biochem J** 1987 Feb 15;242(1):163–9

X-ray diffraction analysis of the inactivation of chymotrypsin by 3-benzyl-6-chloro-2-pyrone. Ringe D, et al. **Biochemistry** 1986 Sep 23;25(19):5633–8

Antibiotic activity of the pyrenocines. Sparace SA, et al. **Can J Microbiol** 1987 Apr;33(4):327–30

Studies on iridoid-related compounds. IV. Antitumor activity of iridoid aglycones. Isiguro K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2375–9

Inhibition of human sputum elastase by substituted 2-pyrones. Cook L, et al. **J Med Chem** 1987 Jun;30(6):1017–23

Effects of the pyrones, maltol and ethyl maltol, on iron absorption from the rat small intestine. Barrand MA, et al. **J Pharm Pharmacol** 1987 Mar;39(3):203–11

An antinociceptive profile of kojic amine: an analogue of gamma-aminobutyric acid (GABA). Pelley KA, et al. **Neuropharmacology** 1987 Apr;26(4):301–7

[Effects of praziquantel and artemether on tegumental surface antigens of different developmental stages of Schistosoma japonicum] Yue WJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):284–7 (Eng. Abstr.) **(Chi)**

[Effects of artemether on red blood cell immunity in malaria] Li XY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep; 7(5):471–5 (Eng. Abstr.) **(Chi)**

[Histological observations on the effects of artemether, fuvinazole and niridazole on Schistosoma japonicum schistosomulae in the mouse liver] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):276–8 (Eng. Abstr.) **(Chi)**

[The tumor inhibitory effect of valepotriates on transplanted and chemically induced autochthonous tumors in the rat] Berger MR, et al. **Arzneimittelforschung** 1986 Nov; 36(11):1656–9 (Eng. Abstr.) **(Ger)**

[The effect of baldrinal on hematoipoetic cells in vitro, on the metabolic activity of the liver in vivo and on its analysis in proprietary drugs] Braun R, et al. **Planta Med** 1986 Dec; (6):446–50 (Eng. Abstr.) **(Ger)**

[Pyrilium, thiopyrilium and selenopyrilium salts—reversible cholinesterase inhibitors] Brestkin AP, et al. **Dokl Akad Nauk SSSR** 1987;293(6):1499–502 **(Rus)**

THERAPEUTIC USE

[Combined use of artemether with other antimalarials in the treatment of falciparum malaria] Pang XJ. **Chung Hua I Hsueh Tsa Chih** 1987 Mar;67(3):137–9, 184 (Eng. Abstr.) **(Chi)**

[Effect of geniposide on acute jaundice in rats caused by ANIT poisoning] Cheng YY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):69–72 (Eng. Abstr.) **(Chi)**

[Effects of the constituents of Alpinia speciosa rhizoma on experimental ulcers] Hsu SY. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):58–64 (Eng. Abstr.) **(Chi)**

TOXICITY

Morphological alterations induced by patulin on cultured hepatoma cells. Rihn B, et al. **Arch Toxicol [Suppl]** 1986; 9:275–8

Teratogenic potential of the mycotoxin, citreoviridin, in rats. Morrissey RE, et al. **Food Chem Toxicol** 1986 Dec; 24(12):1315–20

Patulin. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:83–98

Role of patulin as a diabetogenic lactone. Devaraj H, et al. **Indian J Exp Biol** 1986 Jul;24(7):458–9

Paederus, sensu lato (Coleoptera: Staphylinidae): natural history and medical importance. Frank JH, et al. **J Med Entomol** 1987 Mar;24(2):155–91 (355 ref.)

Histopathological studies on experimental marine toxin poisoning. I. Ultrastructural changes in the small intestine and liver of suckling mice induced by dinophysistoxin-1 and pectenotoxin-1. Terao K, et al. **Toxicon** 1986; 24(11–12):1141–51

[Experimental study of the possible use of sodium dehydroacetate as a food additive] Priputina LS, et al. **Vopr Pitan** 1986 Sep–Oct;(5):50–3 (Eng. Abstr.) **(Rus)**

PYRANTEL

ANALOGS & DERIVATIVES

A technique for determining Heligmosomoides polygyrus (Nematoda) worm burden following anthelmintic treatment in mice. Tanguay GV, et al. **J Parasitol** 1987 Aug; 73(4):843–4

Control of Toxocara canis in puppies: a comparison of screening techniques and evaluation of a dosing programme. Jacobs DE. **J Vet Pharmacol Ther** 1987 Mar; 10(1):23–9

The epidemiology and control of intestinal helminths in the Pulicat Lake region of Southern India. I. Study design and pre- and post-treatment observations on Ascaris lumbricoides infection. Elkins DB, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):774–92

Efficacy of four anthelmintics against benzimidazole-resistant cyathostomes of horses. Bürger HJ, et al. **Vet Rec** 1987 Mar 28;120(13):293–6

[Comparison of albendazole and pyrantel pamoate in the treatment of intestinal nematode infections] Qian MX, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):324–7, 380 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Resistance of Oesophagostomum spp. in pigs to pyrantel citrate. Roepstorff A, et al. **Vet Parasitol** 1987 May; 24(3–4):229–39

PYRANTEL PAMOATE see under **PYRANTEL**

PYRANTEL TARTRATE see under **PYRANTEL**

PYRAZINAMIDE

ADMINISTRATION & DOSAGE

Drug interactions with urate excretion in man. Sommers DK, et al. **Eur J Clin Pharmacol** 1987;32(5):499–502

[Clinical trial of initial intensive short-course chemotherapy supplemented by pyrazinamide for pulmonary tuberculosis—report of the 26th A series of controlled trials of chemotherapy—Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] **Kekkaku** 1986 Jul;61(7):363–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Fulminant hepatitis during treatment with rifampicin, pyrazinamid and ethambutol. van Aalderen WM, et al. **Eur J Pediatr** 1987 May;146(3):290–1

[Observations on the effect of PZA, EB and RFP on uric

acid metabolism] Dong SQ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Aug;9(4):220–2, 254 (Eng. Abstr.) **(Chi)**
[Drug-induced fever?] van Dijke CP, et al.
Ned Tijdschr Geneeskd 1986 Oct 18;130(42):1873–6 **(Dut)**

ANALOGS & DERIVATIVES

5-Hydroxypyrazinamide, a human metabolite of pyrazinamide. Yamamoto T, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2415–6
Identification of 5-hydroxypyrazinamide isolated from urine of subjects given pyrazinamide. Beretta E, et al.
J Chromatogr 1987 Apr 24;416(1):144–9
Pyrazinoate transport in the isolated perfused rabbit proximal tubule. Besseghir K, et al. **Pflugers Arch** 1986 Dec; 407(6):643–8

ANALYSIS

High-performance liquid chromatographic determination of pyrazinamide in cerebrospinal fluid and plasma in the rabbit. Chan K, et al. **J Chromatogr** 1986 Aug 2; 380(2):367–73
Separation of hypoxanthine and xanthine from pyrazinamide and its metabolites in plasma and urine by high-performance liquid chromatography. Yamamoto T, et al. **J Chromatogr** 1986 Oct 31;382:270–4

BLOOD

Rapid and simultaneous determination of pyrazinamide and its major metabolites in human plasma by high-performance liquid chromatography [published erratum appears in J Chromatogr 1987 Apr 10;415(2):462] Yamamoto T, et al. **J Chromatogr** 1987 Jan 23;413:342–6

CEREBROSPINAL FLUID

Penetration of pyrazinamide into the cerebrospinal fluid in tuberculous meningitis. Ellard GA, et al. **Br Med J** 1987 Jan 31;294(6567):284–5

DIAGNOSTIC USE

Pharmacological evaluation of urate renal handling in humans: pyrazinamide test vs combined pyrazinamide and probenecid administration. Colussi G, et al.
Nephrol Dial Transplant 1987;2(1):10–6
Evaluation of the renal mechanisms for urate homeostasis in uremic patients by probenecid and pyrazinamide test. Garyfallos A, et al. **Nephron** 1987;46(3):273–80

METABOLISM

5-Hydroxypyrazinamide, a human metabolite of pyrazinamide. Yamamoto T, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2415–6
Metabolic disposition of pyrazinamide in the rat: identification of a novel in vivo metabolite common to both rat and human. Whitehouse LW, et al.
Biopharm Drug Dispos 1987 Jul–Aug;8(4):307–18
Identification of 5-hydroxypyrazinamide isolated from urine of subjects given pyrazinamide. Beretta E, et al.
J Chromatogr 1987 Apr 24;416(1):144–9

PHARMACODYNAMICS

Pyrazinamide is not active in vitro against Mycobacterium avium complex. Heifets LB, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1287–8
Evaluation of a radiometric method for pyrazinamide susceptibility testing of Mycobacterium tuberculosis. Tarrand JJ, et al. **Antimicrob Agents Chemother** 1986 Dec; 30(6):852–5
Effect of pyrazinamide on serum and urinary uric acid levels. Zaman R, et al. **JPMA** 1987 Mar;37(3):76–8
[Antagonistic effect of pyrazinamide against the antituberculosis activity of ofloxacin in mice] Tsukamura M, et al. **Kekkaku** 1987 Feb;62(2):67–72 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Inhibition by pyrazinamide of tubercle bacilli within cultured human macrophages. Crowle AJ, et al.
Am Rev Respir Dis 1986 Nov;134(5):1052–5

URINE

Study of the metabolism of pyrazinamide using a high-performance liquid chromatographic analysis of urine samples [published erratum appears in Anal Biochem 1987 May 1;162(2):576] Yamamoto T, et al. **Anal Biochem** 1987 Feb 1;160(2):346–9

PYRAZINES

ADMINISTRATION & DOSAGE

Oltipraz: administration with food increases its anti-schistosomal activity. Homeida MM, et al.
Trans R Soc Trop Med Hyg 1986;80(6):908–10

ADVERSE EFFECTS

[Eosinophilic granulomatous hepatitis. Apropos of 3 cases] Penalba C, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(1):100–4 (Eng. Abstr.) **(Fre)**

ANALYSIS

Gas chromatographic assay for the new antitumor agent pyrazine-2-diazohydroxide (diazohydroxide) and its stability in buffer, blood and plasma. Wilke TJ, et al.
J Chromatogr 1986 Nov 28;383(1):77–83

BLOOD

Measurement of peak blood levels of oltipraz in patients infected with S. mansoni: correlation with the drug's antischistosomal action. Homeida MM, et al.
Ann Trop Med Parasitol 1986 Jun;80(3):369–71

CHEMICAL SYNTHESIS

Octahydropyrazino[2',3':3,4]pyrido[1,2-a]indoles. A new class of potent antihypertensive agents. Jirkovsky I, et al.
J Med Chem 1987 Feb;30(2):388–94
[Studies of pyrazine derivatives. XVII. Synthesis and the tuberculostatic activity of pyrazinyl-1,3,4-oxadiazole derivatives] Pancechowska-Ksepko D, et al.
Acta Pol Pharm 1986;43(2):116–23 (Eng. Abstr.) **(Pol)**
[Studies of pyrazine derivatives. XX. Synthesis and tuberculostatic activity of 3-pyrazinol-1,2,4-oxadiazole derivatives] Pancechowska-Ksepko D, et al.
Acta Pol Pharm 1986;43(3):211–7 (Eng. Abstr.) **(Pol)**
[Studies of pyrazine derivatives. XXI. Synthesis and tuberculostatic activity of 4-aryl-1-pyrazinoylthiosemicarbazides and the products of their cyclization to 1,2,4-triazole-3-thione derivatives] Rudnicka W, et al. **Acta Pol Pharm** 1986;43(6):523–8 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Chemiluminescence probe with Cypridina luciferin analog, 2-methyl-6-phenyl-3,7-dihydroimidazo[1,2-a]pyrazin-3-one, for estimating the ability of human granulocytes to generate O2-. Nakano M, et al. **Anal Biochem** 1986 Dec; 159(2):363–9

METABOLISM

Lack of pharmacokinetic interaction between cholestyramine and acipimox, a new lipid lowering drug. de Paolis C, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):496–7
Molecular target size of NMDA antagonist binding sites. Honoré T, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):137–8
[The pharmacokinetics and disposition of tetramethylpyrazine phosphate in dogs and rats] Lou YQ, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):481–7 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Dithiolthione-induced alterations in hepatic glutathione and related enzymes in male mice. Davies MH, et al.
Biochem Pharmacol 1987 Feb 15;36(4):568–70
Acute effects of oltipraz on adult Schistosoma mansoni and its antagonism in vitro. Morrison DD, et al.
Biochem Pharmacol 1987 Apr 1;36(7):1169–71
Studies on the mechanism of action of the gastric microsomal (H+ + K+)-ATPase inhibitors SCH 32651 and SCH 28080. Scott CK, et al. **Biochem Pharmacol** 1987 Jan 1; 36(1):97–104
Comparison of 1,2-dihydropyrido[3,4-b]pyrazines (1-deaza-7,8-dihydropteridines) with several other inhibitors of mitosis. Bowdon BJ, et al. **Cancer Res** 1987 Mar 15;47(6):1621–6
Mechanism of protection against aflatoxin tumorigenicity in rats fed 5-(2-pyrazinyl)-4-methyl-1,2-dithiol-3-thione (oltipraz) and related 1,2-dithiol-3-thiones and 1,2-dithiol-3-ones. Kensler TW, et al. **Cancer Res** 1987 Aug 15;47(16):4271–7
Analysis of responses to a selective phosphodiesterase III inhibitor, SK&F 94120, on isolated myocardium, including human ventricular myocardium from "end-stage" failure patients. Gristwood RW, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):719–27
Effects of oltipraz, BHA, ADT and cabbage on glutathione metabolism, DNA damage and lipid peroxidation in old mice. Stohs SJ, et al. **Mech Ageing Dev** 1986 Dec; 37(2):137–45
Discriminative stimulus properties of the serotonin agonist MK 212. Cunningham KA, et al.
Psychopharmacology (Berlin) 1986;90(2):193–7
[Effect of ligustrazine and salvia miltiorrhiza on microcirculation in the hamster cheek pouch] Xue QF.
Chung Hua I Hsueh Tsa Chih 1986 Jun;66(6):334–7, 382 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Acipimox in the treatment of patients with hyperlipidaemia: a double blind trial. Ball MJ, et al.
Eur J Clin Pharmacol 1986;31(2):201–4
Effect of tetramethylpyrazine on acute and chronic hypoxic pulmonary hypertension of the rat. Zou AP, et al.
J Tongji Med Univ 1986;6(3):133–7
[Ligustrazini in the treatment of chronic cor pulmonale] Peng W, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan; 7(1):26–9, 5 (Eng. Abstr.) **(Chi)**
[Therapeutic evaluation of oltipraz in human S. mansoni infection] de Carvalho SA, et al.
Rev Inst Med Trop Sao Paulo 1986 Jul–Aug;28(4):271–7 (Eng. Abstr.) **(Por)**

PYRAZINOPYRIMIDINES see **PTERIDINES**

PYRAZOLES

Photosensitization by antitumor agents 3: spectroscopic evidence for superoxide and hydroxyl radical production by anthrapyrazole-sensitized oxidation of NADH. Reszka K, et al. **J Free Radic Biol Med** 1986;2(4):267–74

ADMINISTRATION & DOSAGE

Slow-release nifedipine associated with muzolimine in the treatment of mild to moderate essential hypertension. Malatino LS, et al. **Am J Nephrol** 1986;6 Suppl 1:108–10
Influence of 5-hydroxytryptamine on the combination effect of lonidamine or gossypol and hyperthermia on Ehrlich tumour in vivo. Molla MR, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):361–4
Difflam—a topical NSAID. **Drug Ther Bull** 1986 Mar 10; 24(5):19–20
Clinical evaluation of benzydamine for treatment of vaginitis: results of a randomized study with emphasis on functional symptoms. Bremond A. **Int J Tissue React** 1987;9(2):147–9
The role of benzydamine in the topical treatment of the so-called non-specific vaginitis. Magliano EM, et al.
Int J Tissue React 1987;9(2):151–6
The use of benzydamine HCl for the management of cancer therapy-induced mucositis: preliminary report of a multicentre study. Schubert MM, et al.
Int J Tissue React 1987;9(2):99–103
A controlled clinical study on the efficacy of benzydamine in the topical treatment of non-specific cervicitis and vaginitis. Ventolini G, et al. **Int J Tissue React** 1987; 9(2):157–67
Topical benzydamine in the treatment of vaginal radiomucositis. Volterrani F, et al. **Int J Tissue React** 1987; 9(2):169–71
A comparative study of benzydamine hydrochloride ("Difflam" pump spray) and placebo as analgesics following tonsillectomy. Young JR. **Int J Tissue React** 1987; 9(2):131–3
Kinetic and survival response of the M14 cell line to lonidamine associated with adriamycin or hyperthermia. Starace G, et al. **J Cancer Res Clin Oncol** 1987;113(5):451–8
Augmentation of cysteamine and mepirizole-induced lesions in the rat duodenum and stomach by histamine or indomethacin. Tanaka H, et al. **Jpn J Pharmacol** 1986 Aug; 41(4):545–9
Clinical evaluation of benzydamine, chlorhexidine, and placebo mouthwashes in the management of recurrent aphthous stomatitis. Matthews RW, et al.
Oral Surg Oral Med Oral Pathol 1987 Feb;63(2):189–91

ADVERSE EFFECTS

Contact dermatitis from benzydamine hydrochloride. Balato N, et al. **Contact Dermatitis** 1986 Aug;15(2):105
[A comparative gastroscopic study of lonazolac and indomethacin in healthy subjects] Müller P, et al.
Arzneimittelforschung 1986 Sep;36(9):1399–400 (Eng. Abstr.) **(Ger)**
[Neuromyelopathy caused by treatment with muzolimine (letter)] Pohlmann-Eden B, et al.
Dtsch Med Wochenschr 1987 Jul 31;112(31–32):1238 **(Ger)**
[Acetylsalicylic acid and pyrazole allergy or pseudo-allergy?] Fabro L, et al. **Z Hautkr** 1987 Mar 15;62(6):470–8 (Eng. Abstr.) **(Ger)**
[Hemoglobin H disease. Presentation of a case] Morelli P, et al. **Pediatr Med Chir** 1986 Jul–Aug;8(4):561–6 (Eng. Abstr.) **(Ita)**
[Neutropenic enterocolitis in a patient with pancytopenia attributable to pyrazolones (letter)] Oller Sales B, et al.
Med Clin (Barc) 1986 Nov 15;87(16):691–2 **(Spa)**

ANALYSIS

High-performance liquid chromatography assay for the measurement of benzydamine hydrochloride in topical pharmaceutical preparations. Benson HA, et al.
J Chromatogr 1987 May 22;394(2):395–9

BLOOD

Plasma levels and metabolism of bendazac lysine salt in man. Catanese B, et al. **Boll Chim Farm** 1986 Aug;125(8):298–302

CHEMICAL SYNTHESIS

Preparation of some carbohydrate pyrazolines by cycloaddition of diazomethane to nitroalkenic sugars. Baer HH, et al. **Carbohydr Res** 1987 Jul 1;164:486–92
Synthesis of 3-substituted pyrazolo[1,5-a]pyridine derivatives with inhibitory activity on platelet aggregation. I. Awano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2828–32
Synthesis of 3-substituted pyrazolo[1,5-a]pyridine derivatives with inhibitory activity on platelet aggregation. II. Awano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2833–9
Synthesis of pyrazolone derivatives. XXIX. Synthesis of 1,3-dioxolane-indazole derivatives. Ito I, et al.

Chem Pharm Bull (Tokyo) 1977 May;25(5):1124–8
Guanidinophenyl derivatives of pyrazole: synthesis and inhibitory effect on serine proteinases, blood coagulation and platelet aggregation. Ferroni R, et al. **Farmaco [Sci]** 1986 Oct;41(10):747–57
1-substituted 5-dialkylaminomethyl-1,5,6,7-tetrahydroindazol-4-ones with antiinflammatory and analgesic activity. Mosti L, et al. **Farmaco [Sci]** 1987 Apr;42(4):259–66
Synthesis and antifungal activity of 4-thiazol-2-yl-5-aminopyrazoles and 4-aminopyrazolo [3,4-c] isothiazoles. Vicentini CB, et al. **Farmaco [Sci]** 1987 Feb;42(2):133–43
Synthesis and structure-activity relationships of pyrazolo[4,3-d]pyrimidin-7-ones as adenosine receptor antagonists. Hamilton HW, et al. **J Med Chem** 1987 Jan; 30(1):91–6
Antitumor imidazotetrazines. 14. Synthesis and antitumor activity of 6- and 8-substituted imidazo[5,1-d]-1,2,3,5-tetrazinones and 8-substituted pyrazolo[5,1-d]-1,2,3,5-tetrazinones. Lunt E, et al. **J Med Chem** 1987 Feb;30(2):357–66
A new thienylpyrazoloquinoline: a potent and orally active inverse agonist to benzodiazepine receptors. Takada S, et al. **J Med Chem** 1987 Mar;30(3):454–5
Pyrazolo[4,5-c]quinolines. 3. Synthesis, receptor binding, and 13C NMR study. Melani F, et al. **J Pharm Sci** 1986 Dec; 75(12):1175–9
[Synthesis and hypolipidemic properties of delta-2 pyrazoline 5-carboxylic acid and pyrazole derivatives] Schapoval E, et al. **Ann Pharm Fr** 1986;44(1):13–8 (Eng. Abstr.) **(Fre)**
[Azoles. 17. Beta-(4-pyrazol)acrylic and propionic acids and their anti-inflammatory activity] Bernard M, et al. **Pharmazie** 1986 Aug;41(8):560–2 (Eng. Abstr.) **(Ger)**
[Synthesis of pyrazole(3,4-a)pyridazine derivatives] Caronna S, et al. **Boll Chim Farm** 1986 Apr;125(4):114–6 (Eng. Abstr.) **(Ita)**
[Some derivatives of the 2-[4-pyrazolinyl]-1,3,4-thiadiazole system] Auzzi G, et al. **Farmaco [Sci]** 1986 Sep;41(9):666–75 (Eng. Abstr.) **(Ita)**
[Synthesis and pharmacological activity of 2,3-dihydro-1H-pyrazolo-[1,2-a]indazolium derivatives] Fujimura Y, et al. **Yakugaku Zasshi** 1986 Nov; 106(11):1002–7 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Defined test reagents for the diagnosis of drug-induced allergy. Antibody-dependent skin reactions towards pyrazolinone and pyrazolidinedione derivatives in the guinea pig. Kasper MF, et al. **J Immunol Methods** 1987 Aug 3;101(2):235–43
[Immediate-type reactions to pyrazole derivatives: results of skin tests and antibody determinations] Wüthrich B, et al. **Dermatologica** 1986;173(1):24–8 (Eng. Abstr.) **(Ger)**

METABOLISM

Production of 4-hydroxypyrazole from the interaction of the alcohol dehydrogenase inhibitor pyrazole with hydroxyl radical. Puntarulo S, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):217–25
Interaction of dopamine beta-mono-oxygenase with substituted imidazoles and pyrazoles. Catalysis and inhibition. Sirimanne SR, et al. **Biochem J** 1987 Feb 15; 242(1):227–33
Effects of pirazolac on arachidonic acid metabolism in the human synovial system. Kurowski M, et al. **Curr Med Res Opin** 1987;10(7):494–501
Transsynovial distribution and protein binding of pirazolac in patients with rheumatoid arthritis. Kurowski M, et al. **Eur J Clin Pharmacol** 1986;31(3):307–11
Concentration of benzydamine in vaginal mucosa following local application: an experimental and clinical study. Maamer M, et al. **Int J Tissue React** 1987;9(2):135–45
Pharmacokinetics of benzydamine. Schoenwald RD, et al. **Int J Tissue React** 1987;9(2):93–7
Poor bioavailability of CGS 8216 in a water/tween vehicle following intraperitoneal injection. Lister RG, et al. **Psychopharmacology (Berlin)** 1987;91(2):260–1

PHARMACODYNAMICS

Compared effects of the two antiinflammatory drugs indoprofen and lonazolac on thromboxane generation and on platelet aggregation, related to plasma concentrations after single oral doses. Vinge E, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):165–74
Measles virus-induced mononuclear leukocyte adherence inhibition: effect of some drugs influencing arachidonic acid metabolic pathways. Mayer M. **Acta Virol (Praha)** 1986 Nov;30(6):507–11
Effect of nafazatrom on platelet function and release: relationship to symptomatic episodes in patients with peripheral vascular disease. Buchanan MR, et al. **Am Heart J** 1987 May;113(5):1133–7
Structure-activity relationships in the induction of mammary gland neoplasia in male rats with substituted aminopyrazoles. Fitzgerald JE, et al. **Am J Pathol** 1986 Sep;124(3):392–8
Chick embryonic development following exposure to ethanol and pyrazole. Gilani SH, et al. **Anat Anz** 1986;162(2):79–82
The actions of halothane, ibuprofen and BW755C on hypoxic pulmonary vasoconstriction. Marshall C, et al. **Anesthesiology** 1987 Apr;66(4):537–42
Effects of locally applied enzyme inhibitors of the arachidonic acid cascade on follicle growth and intra-ovarian oocyte release in hyperstimulated rabbits. Spanel-Borowski K, et al. **Arch Histol Jpn** 1986 Dec; 49(5):565–77
Effects of anthrapyrazole antineoplastic agents on lipid peroxidation. Frank P, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):797–807
Inhibition of microsomal oxidation of ethanol by pyrazole and 4-methylpyrazole in vitro. Increased effectiveness after induction by pyrazole and 4-methylpyrazole. Feierman DE, et al. **Biochem J** 1986 Nov 1;239(3):671–7
NMR investigation of DNA conformational changes on base protonation: use of Cu2+ and pyrazole as probes. Banville DL, et al. **Biochemistry** 1986 Nov 18;25(23):7393–401
Inhibition of 3(17)beta-hydroxysteroid dehydrogenase from Pseudomonas testosteroni by steroidal A ring fused pyrazoles. Levy MA, et al. **Biochemistry** 1987 Apr 21; 26(8):2270–9
Effects of benzydamine and other non-steroidal anti-inflammatory drugs on platelet aggregation induced by: arachidonic acid, ADP and collagen. Catanese B, et al. **Boll Chim Farm** 1986 Jul;125(7):228–33
In vivo influence of bendazac, (AF-983), a non-steroideal anti-inflammatory drug, on the Krebs cycle in rabbit liver. Dzodzoe Y. **Boll Chim Farm** 1986 Nov;125(11):379–83
Oral nafazatrom in man: effect on inhaled antigen challenge. Fuller RW, et al. **Br J Clin Pharmacol** 1987 Jun; 23(6):677–81
Pyrazoloacridines, a new class of anticancer agents with selectivity against solid tumors in vitro. Sebolt JS, et al. **Cancer Res** 1987 Aug 15;47(16):4299–304
Inhibition of eicosanoid production by BW755C does not attenuate sepsis-induced alterations in glucose kinetics. Lang CH, et al. **Circ Shock** 1987;22(2):105–13
Benzodiazepine antagonist, CGS-8216, in diazepam- or pentobarbital-dependent and non-dependent rats. McNicholas LF, et al. **Drug Alcohol Depend** 1986 Jul; 17(4):339–48
Pyrazolone derivatives. Brogden RN. **Drugs** 1986;32 Suppl 4:60–70 (62 ref.)
Enhancement of canine coronary collateral flow by nafazatrom. Fiedler VB, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):157–67
Nafazatrom, an arachidonate metabolism inhibitor, decreases prolactin and GH release. Judd AM, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):151–6
Reduction of apparent indicators of liver cirrhosis in rats by the arachidonate lipoxygenase inhibitor BW755C. Mourelle M, et al. **Eur J Pharmacol** 1987 Feb 10; 134(2):175–80
Anxiolytic action of CGS 9896 on mouse exploratory behavior. Smith CB, et al. **Eur J Pharmacol** 1986 Dec 16; 132(2-3):259–62
Bendazac prevents cyanate binding to soluble lens proteins and cyanate-induced phase-separation opacities in vitro: a possible mechanism by which bendazac could delay cataract. Lewis BS, et al. **Exp Eye Res** 1986 Dec; 43(6):973–9
Increased degradation in rat liver induced by antilipolytic agents: a model for studying autophagy and protein degradation in liver? Bergamini E, et al. **Exp Mol Pathol** 1987 Feb;46(1):114–22
Cell membrane changes induced by lonidamine in human erythrocytes and T lymphocytes, and Ehrlich ascites tumor cells. De Martino C, et al. **Exp Mol Pathol** 1987 Feb; 46(1):15–30
Benzydamine, an unique model of anti-inflammatory activity. Silvestrini B. **Int J Tissue React** 1987;9(2):87–91
Effects of bendazac L-lysine salt on some metabolic enzymes of glutathione in the rabbit lens after X-irradiation. Bono A, et al. **Ital J Biochem** 1987 May-Jun;36(3):153–65
Lipoxygenase and cyclooxygenase blockade by BW 755C enhances pulmonary hypoxic vasoconstriction. Garrett RC, et al. **J Appl Physiol** 1987 Jan;62(1):129–33
Differential effects of 4-iodopyrazole and 3-methylpyrazole on the metabolic activation of methylazoxymethanol to a DNA methylating species by rat liver and rat colon mucosa in vivo. Fiala ES, et al. **J Cancer Res Clin Oncol** 1987; 113(2):145–50
Variable-interval schedules of timeout from avoidance: effects of chlordiazepoxide, CGS 8216, morphine, and naltrexone. Galizio M, et al. **J Exp Anal Behav** 1987 Jan; 47(1):115–26
Photosensitization by antitumor agents 2: anthrapyrazole-photosensitized oxidation of ascorbic acid and 3,4-dihydroxyphenylalanine. Reszka K, et al. **J Free Radic Biol Med** 1986;2(3):203–11
Indazoles as indole bioisosteres: synthesis and evaluation of the tropanyl ester and amide of indazole-3-carboxylate as antagonists at the serotonin 5HT3 receptor. Fludzinski P, et al. **J Med Chem** 1987 Sep;30(9):1535–7
CGS 9896 and ZK 91296, but not CGS 8216 and RO 15-1788, are pure benzodiazepine receptor antagonists on mouse neurons in culture. De Deyn PP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):48–55
CGS 8216: agonist and diazepam-antagonist effects in rodents. Shannon HE, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):166–73
Behavioral effects of the pyrazoloquinoline CGS 9896: agonist and antagonist actions in squirrel monkeys. Wettstein JG, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):82–7
Inhibitory action of the antitumor agent lonidamine on mitochondrial respiration of Trypanosoma cruzi and T. brucei. Turrens JF. **Mol Biochem Parasitol** 1986 Sep; 20(3):237–41
Inhibition of ion transport in Ehrlich cells by muzolimine. Geck P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul;333(3):323–9
Effects of the benzodiazepine antagonists RO 15-1788, CGS-8216 and PK-11195 on amygdaloid kindled seizures and the anticonvulsant efficacy of diazepam. Albertson TE, et al. **Neuropharmacology** 1986 Nov;25(11):1205–11
Benzodiazepine receptor modulation of [35S]TBPS binding to the chloride channel. Noncompetitive inhibition of classical benzodiazepines and competitive inhibition of the partial agonist, CGS 9895, by CGS 8216. Loo P, et al. **Neuropharmacology** 1987 Jul;26(7A):775–8
Reduction of cis-dichlorodiammineplatinum(II) caused nephrotoxicity by indazolone carboxylic acid. Radačić M, et al. **Oncology** 1987;44(1):34–7
Lack of tolerance or withdrawal effects in mice after chronic administration of the non-sedating anxiolytic, CGS 9896. Boast CA, et al. **Pharmacol Biochem Behav** 1987 Mar; 26(3):601–6
Variable interval schedules of timeout from avoidance: effects of ethanol, naltrexone, and CGS 8216. Galizio M, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):439–48
Differential effects of CGS 8216 and naltrexone on ingestional behaviour. Kirkham TC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):145–51
The pyrazoloquinoline, CGS 8216, reduces sham feeding in the rat. Kirkham TC, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):497–501
CGS 8216, a novel anorectic agent, selectively reduces saccharin solution consumption in the rat. Kirkham TC, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):341–5
Investigation of the actions of the benzodiazepine antagonists Ro 15-1788 and CGS 8216 using the schedule-controlled behavior of rats. Sanger DJ. **Pharmacol Biochem Behav** 1986 Sep;25(3):537–41
The direct enhancement of positive palatability by chlordiazepoxide is antagonized by Ro 15-1788 and CGS 8216. Treit D, et al. **Pharmacol Biochem Behav** 1987 Apr; 26(4):709–14
Adrenalectomy and the anorectic effects of benzodiazepine inverse agonists and opiate antagonists in rats fed a palatable diet. Cooper SJ, et al. **Physiol Behav** 1987; 40(4):479–82
Mechanism of action of some inhibitors of endothelium-derived relaxing factor. Moncada S, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9164–8
Salvage of ischemic rabbit ear by BW-755C and steroids, but not by indomethacin. Hayden B, et al. **Prostaglandins** 1987 Jan;33(1):63–73
The effect of BW 755C and nordihydroguaiaretic acid in the rat isolated perfused mesenteric vasculature. Stanton BJ, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2-3):199–207
The benzodiazepine antagonist CGS 8216 decreases both shocked and unshocked drinking in rats. Sanger DJ. **Psychopharmacology (Berlin)** 1987;91(4):485–8
Inhibition of rat brain monoamine oxidase and succinic dehydrogenase by anticonvulsant pyrazolines. Soni N, et al. **Res Commun Chem Pathol Pharmacol** 1987 Apr; 56(1):129–32
Inhibition of basal and betazole- and sham-feeding-induced acid secretion by omeprazole in man. Lind T, et al. **Scand J Gastroenterol** 1986 Oct;21(8):1004–10
Inhibition of methyl chloride toxicity in male F-344 rats by the anti-inflammatory agent BW755C. Chellman GJ, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):367–79
Comparison of the effects of ethanol and 4-methylpyrazole on the pharmacokinetics and toxicity of ethylene glycol in the dog. Grauer GF, et al. **Toxicol Lett** 1987 Feb; 35(2-3):107–14
[Can gentamicin nephrotoxicity in rats be modified by chronic administration of muzolimine?] Toutain H, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):582–6 (Eng. Abstr.) **(Fre)**
[Influence of muzolimine on the pharmacokinetics of gentamycin in subjects with normal renal function] Hannedouche T, et al. **Therapie** 1986 Nov-Dec;41(6):421–4 (Eng. Abstr.) **(Fre)**
[The effect of benzydamine on various functions of human granulocytes and their interaction with endothelial cells] Damerau B, et al. **Arzneimittelforschung** 1987 May; 37(5A):606–13 (Eng. Abstr.) **(Ger)**
[The effect of benzydamine on prostaglandin synthesis in macrophages] Goppelt-Strübe M, et al. **Arzneimittelforschung** 1987 May;37(5A):621–3 (Eng. Abstr.) **(Ger)**
[Effect of benzydamine on release of prostaglandin E2 and prostacyclin from rabbit gastric mucosa cells] Hell M, et al. **Arzneimittelforschung** 1987 May;37(5A):624–5 (Eng. Abstr.) **(Ger)**
[Antithrombotic action of benzydamine] Jansen JW. **Arzneimittelforschung** 1987 May;37(5A):626–8 (Eng. Abstr.) **(Ger)**
[The action of benzydamine on phospholipase activation] Löffler BM, et al. **Arzneimittelforschung** 1987 May; 37(5A):618–21 (Eng. Abstr.) **(Ger)**

[New pharmacologic and biochemical findings on the mechanism of action of the non-steroidal antiphlogistic, benzydamine. A synopsis] Müller-Peddinghaus R. **Arzneimittelforschung** 1987 May;37(5A):635-45 (59 ref.) (Eng. Abstr.) **(Ger)**

[The effect of benzydamine on the generation and interaction of reactive oxygen species and cyclo- and lipoxygenase] Müller-Peddinghaus R, et al. **Arzneimittelforschung** 1987 May;37(5A):601-5 (Eng. Abstr.) **(Ger)**

[Effects of benzydamine on leukocyte aggregation] Wurl M, et al. **Arzneimittelforschung** 1987 May;37(5A):614-7 (Eng. Abstr.) **(Ger)**

[Synthesis and pharmacological activity of 3-phenylindazole derivatives] Fujimura Y, et al. **Yakugaku Zasshi** 1986 Nov; 106(11):995-1001 (Eng. Abstr.) **(Jpn)**

[Anti-inflammatory, analgesic properties and antipyretic action of 3-aminoindazole derivatives] Kawakubo H, et al. **Yakugaku Zasshi** 1987 Jan;107(1):28-36 (Eng. Abstr.) **(Jpn)**

[Antiabstinent action of fenibut and baclofen on a model of abstinence induced by the benzodiazepine receptor antagonist CGS 8216 in rats receiving diazepam] Zharkovskii AM, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):677-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

BW755C modifies endotoxin-induced respiratory failure in pigs. Olson NC. **Am J Vet Res** 1987 Mar;48(3):444-50

In vitro and in vivo potentiation by lonidamine of the antitumor effect of adriamycin. Zupi G, et al. **Anticancer Res** 1986 Sep-Oct;6(5):1245-9

Improvement of the blood-retinal barrier induced by bendazac lysine: preliminary clinical observation in insulin-dependent diabetics [letter] Nuzzi G, et al. **Arch Ophthalmol** 1987 Sep;105(9):1165-6

Phase II study of lonidamine in patients with metastatic breast cancer: a National Cancer Institute of Canada Clinical Trials Group Study [published erratum appears in Cancer Treat Rep 1987 Feb;71(2):228] Band PR, et al. **Cancer Treat Rep** 1986 Nov;70(11):1305-10

Comparative evaluation of benzydamine oral rinse in children with antineoplastic-induced stomatitis. Lever SA, et al. **Drug Intell Clin Pharm** 1987 Apr;21(4):359-61

Benzydamine: a different NSAID. Proceedings of a symposium. 2nd World Conference on Inflammation, Antirheumatics, Analgesics, Immunomodulators. Monte Carlo, Monaco, 19-22 March 1986. **Int J Tissue React** 1987; 9(2):87-177

Benzydamine for the prevention of pharyngo-laryngeal pathology following tracheal intubation. Mazzarella B, et al. **Int J Tissue React** 1987;9(2):121-9

Effects of benzydamine on the oral mucositis during antineoplastic radiotherapy and/or intra-arterial chemotherapy. Prada A, et al. **Int J Tissue React** 1987; 9(2):115-9

Phase I clinical study of nafazatrom. Hortobagyi GN, et al. **Invest New Drugs** 1986;4(3):251-5

4-Methylpyrazole may be an alternative to ethanol therapy for ethylene glycol intoxication in man. Baud FJ, et al. **J Toxicol Clin Toxicol** 1986-87;24(6):463-83

Effect of the nonsteroidal antiinflammatory agent BW755C in rat and sheep endotoxemia. Bahrami S, et al. **Prog Clin Biol Res** 1987;236A:347-59

Potentiation of adriamycin cytotoxicity in P388 murine leukemia sensitive and resistant to adriamycin by use of lonidamine and hyperthermia. Chitnis M, et al. **Tumori** 1986 Oct 31;72(5):469-73

Actions of BW540C in an equine model of acute inflammation: a preliminary study. Higgins AJ, et al. **Vet Q** 1987 Apr;9(2):103-10

[Treatment of functional symptoms of vaginal inflammation in vaginitis using benzydamine chlorhydrate] Berrebi A, et al. **Rev Fr Gynecol Obstet** 1986 Oct;81(10):567-9 **(Fre)**

[New aspects on the clinical use of benzydamine] Bertsch S. **Arzneimittelforschung** 1987 May;37(5A):632-4 (21 ref.) (Eng. Abstr.) **(Ger)**

[Clinical and hemodynamic effects of medium-term treatment with muzolimine in subjects with essential arterial hypertension] Licata G, et al. **G Ital Cardiol** 1986 Jul; 16(7):583-5 (Eng. Abstr.) **(Ita)**

[Treatment of lower genital infections with a benzydamine-hydroxyquinoline combination] Maritati V, et al. **Minerva Ginecol** 1987 Mar;39(3):185-8 (Eng. Abstr.) **(Ita)**

[Calcium lonazolac and blood loss in users of intrauterine devices. Preliminary report] Rubio Lotvin B, et al. **Ginecol Obstet Mex** 1986 Aug;54:221-4 (Eng. Abstr.) **(Spa)**

TOXICITY

Induction of bacterial mutations by aminopyrazoles, compounds which cause mammary cancer in rats. Aust AE, et al. **Carcinogenesis** 1986 Dec;7(12):2019-23

Prostaglandin deficiency by itself is not the cause of mepirizole-induced duodenal ulcers in rats. Robert A, et al. **Dig Dis Sci** 1987 Sep;32(9):997-1003

Pathogenic mechanisms involved in mepirizole-induced duodenal damage in the rat. Tanaka H, et al. **Jpn J Pharmacol** 1986 Nov;42(3):383-96

[Experimental findings on gastric ulcerogenicity and mucosa protection by benzydamine in the rat] Hell I. **Arzneimittelforschung** 1987 May;37(5A):629-31 (Eng. Abstr.) **(Ger)**

[Changes in blood oxygen saturation parameters and inhibition of liver mitochondrial respiration in response to exposure to pyrazolone and hydroxynaphthoic acid products] Talakin IuN, et al. **Gig Sanit** 1987 Apr;(4):82-3 **(Rus)**

URINE

Metabolism of tracazolate. Metabolites in dog and rat urine. Heald AF, et al. **Drug Metab Dispos** 1986 Nov-Dec; 14(6):631-6

PYRENES

The lateral distribution of pyrene-labeled sphingomyelin and glucosylceramide in phosphatidylcholine bilayers. Hresko RC, et al. **Biophys J** 1987 May;51(5):725-33

Mutagenicity of the photochemical reaction products of pyrene with nitrogen dioxide. Hisamatsu Y, et al. **Mutat Res** 1986 Oct;172(1):19-27

ANALYSIS

Mutagenic nitropyrenes in foods. Ohnishi Y, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:107-18 (48 ref.)

[Determination of 1-nitropyrene by high performance liquid chromatography--an analysis of diesel engine soot] Arashidani K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 1;9(1):19-28 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Toxicity of polycyclic aromatic hydrocarbons. III. Effects of beta-naphthoflavone pretreatment on hepatotoxicity of compounds produced in the ozonation or NO2-nitration of phenanthrene and pyrene in rats. Yoshikawa T, et al. **Vet Hum Toxicol** 1987 Apr;29(2):113-7

CHEMICAL SYNTHESIS

Transfer of cholesterol and a fluorescent cholesterol analog, 3'-pyrenylmethyl-23,24-dinor-5-cholen-22-oate-3 beta-ol, between human plasma high density lipoproteins. Kao YJ, et al. **J Lipid Res** 1986 Jul;27(7):781-5

DIAGNOSTIC USE

A new histochemical stain for intracellular oxygen. Longmuir IS, et al. **Adv Exp Med Biol** 1973;37A:55-7

[Mechanism of change in the fluorescence parameters of pyrene and diphenylhexatriene in irradiated membranes] Fomenko BS, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):85-7 (Eng. Abstr.) **(Rus)**

METABOLISM

S9-dependent activation of 1-nitropyrene and 3-nitrofluoranthene in bacterial mutagenicity assays. Ball LM, et al. **Adv Exp Med Biol** 1986;197:781-8

Biotransformation of 1-nitropyrene and 2-nitrofluorene to novel metabolites, the corresponding formylamino compounds, in animal bodies. Tatsumi K, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):376-82

A change in the lipid fluidity of the porcine intestinal brush-border membranes by lipid peroxidation. Studies using pyrene and fluorescent stearic acid derivatives. Ohyashiki T, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):311-8

Mutagenicity, unscheduled DNA synthesis, and metabolism of 1-nitropyrene in the human hepatoma cell line HepG2. Eddy EP, et al. **Cancer Res** 1987 Jun 15;47(12):3163-8

Metabolism and DNA binding of 1-nitro[14C]pyrene by isolated rabbit tracheal epithelial cells. King LC, et al. **Carcinogenesis** 1987 May;8(5):675-82

Tumor-initiating activity of major in vivo metabolites of indeno[1,2,3-cd]pyrene on mouse skin. Rice JE, et al. **Carcinogenesis** 1986 Oct;7(10):1761-4

Metabolism of dinitropyrenes to DNA-binding derivatives in vitro and in vivo. Heflich RH, et al. **Dev Toxicol Environ Sci** 1986;13:185-97

Metabolism of mutagenic 1-nitropyrene in rats. Ohnishi Y, et al. **Dev Toxicol Environ Sci** 1986;13:171-83

Metabolic activation of 1-nitropyrene and 1,6-dinitropyrene by nitroreductase activity in rats. Kinouchi T, et al. **Microbiol Immunol** 1986;30(10):979-92

Effect of liver enzyme inducers on metabolite excretion in rats treated with 1-nitropyrene. Belisario MA, et al. **Toxicol Lett** 1987 May;36(3):233-41

PHARMACODYNAMICS

Influence of template strandedness on in vitro replication of mutagen-damaged DNA. Larson KL, et al. **Biochemistry** 1987 May 5;26(9):2471-9

Aerobic and anaerobic reduction of nitrated pyrenes in vitro. Djurić Z, et al. **Chem Biol Interact** 1986 Oct 1;59(3):309-24

Effects of 1-nitropyrene pretreatment on the mixed-function oxidases of the rat liver. He SX, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):53-7

Structure of the c-Ki-ras gene in a rat fibrosarcoma induced by 1,8-dinitropyrene. Tahira T, et al. **Mol Cell Biol** 1986 Apr;6(4):1349-51

Nitropyrene-induced DNA repair in Clara cells and alveolar type-II cells isolated from rabbit lung. Haugen A, et al. **Mutat Res** 1986 Dec;175(4):259-62

Nitropyrenes are inducers of polyoma viral DNA synthesis. Lambert ME, et al. **Mutat Res** 1987 May;183(3):203-11

RADIATION EFFECTS

Photochemical instability of 1-nitropyrene, 3-nitrofluoranthene, 1,8-dinitropyrene and their parent polycyclic aromatic hydrocarbons. Holloway MP, et al. **Mutat Res** 1987 Apr;187(4):199-207

TOXICITY

Active H-ras and N-ras in rat fibrosarcomas induced by 1,6-dinitropyrene. Ishizaka Y, et al. **Cancer Lett** 1987 Mar; 34(3):317-24

Tumorigenic activity of non-alternant polynuclear aromatic hydrocarbons in newborn mice. Lavoie EJ, et al. **Cancer Lett** 1987 Jan;34(1):15-20

Effect of aliphatic amides on oncogenic transformation, sister chromatid exchanges, and mutations induced by cyclopenta[cd]-pyrene and benzo[a]pyrene. Krolewski B, et al. **Carcinogenesis** 1986 Oct;7(10):1647-50

Mechanisms of tumor induction by dinitropyrenes in the female CD rat. King CM, et al. **Dev Toxicol Environ Sci** 1986;13:279-90

Carcinogenic effects of a mixture of nitropyrenes in F344 rats following its repeated oral administrations. Odagiri Y, et al. **Dev Toxicol Environ Sci** 1986;13:291-307

Carcinogenicity of dinitropyrenes in rats and hamsters. Sato S, et al. **Dev Toxicol Environ Sci** 1986;13:271-7

Dinitro derivatives of pyrene and fluoranthene in diesel emission particulates and their tumorigenicity in mice and rats. Tokiwa H, et al. **Dev Toxicol Environ Sci** 1986; 13:253-70

Methylated derivatives of pyrene and fluorene: evaluation of genotoxicity in the hepatocyte/DNA repair test and tumorigenic activity in newborn mice. Rice JE, et al. **J Toxicol Environ Health** 1987;21(4):525-32

Tumorigenicity test of 1,3- and 1,8-dinitropyrene in BALB/c mice. Otofuji T, et al. **JNCI** 1987 Jul;79(1):185-8

Mutagenicity studies of alpha, alpha'-dihalomethylbenzenes, alpha-methylbenzyl halides, and 1-chloromethylpyrene in the Ames assay. Ball JC, et al. **Mutat Res** 1987 Jun; 191(2):79-84

Mutagenic activity of nitro-substituted cyclopenta-fused polycyclic aromatic hydrocarbons towards Salmonella typhimurium. Goldring JM, et al. **Mutat Res** 1987 Feb; 187(2):67-77

Bacterial mutagenicity and carcinogenic potential of some azapyrene derivatives. Tanga MJ, et al. **Mutat Res** 1986 Oct;172(1):11-7

Selective killing of T lymphocytes by phototoxic liposomes. Yemul S, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):246-50

Transplacental effects of carcinogens and non-carcinogens on activities of pyruvate kinase and lactate dehydrogenase as well as isozymic pattern of LDH in mouse lung. Rády P, et al. **Toxicology** 1982;24(3-4):251-7

Toxicity of polycyclic aromatic hydrocarbons. II. Effect of NO2-nitrated phenanthrene and pyrene on blood chemistry in rats. Yoshikawa T, et al. **Vet Hum Toxicol** 1987 Feb; 29(1):25-30

PYRETHRINS

Lyme disease and babesiosis: acaricide focused on potentially infected ticks. Mather TN, et al. **Am J Trop Med Hyg** 1987 May;36(3):609-14

Studies on the toxicity of cypermethrin and fenvalerate in different strains of Drosophila melanogaster Meig. (Insecta, Diptera). Batiste-Alentorn M, et al. **Environ Res** 1987 Jun; 43(1):117-25

Village scale trial of the impact of deltamethrin (K-othrine) spraying in areas with DDT and HCH resistant Anopheles culicifacies. Ansari MA, et al. **Indian J Malariol** 1986 Dec; 23(2):127-31

Evaluation of a synthetic pyrethroid (cyfluthrin) for insecticidal activity against different mosquito species. Rajavel AR, et al. **Indian J Med Res** 1987 Feb;85:168-75

Insecticide mixtures as an approach to the management of pyrethroid-resistant horn flies (Diptera: Muscidae). Byford RL, et al. **J Econ Entomol** 1987 Feb;80(1):111-6

Control of stable flies and horn flies (Diptera: Muscidae) with permethrin tapes applied to tails of beef and dairy cattle. Hogsette JA, et al. **J Econ Entomol** 1987 Apr;80(2):417-20

Genetics of permethrin resistance in the horn fly (Diptera: Muscidae). McDonald PT, et al. **J Econ Entomol** 1987 Apr; 80(2):433-7

House fly (Diptera: Muscidae) resistance to permethrin on southern California dairies. Meyer JA, et al. **J Econ Entomol** 1987 Jun;80(3):636-40

Inheritance and effective dominance of pyrethroid resistance in the horn fly (Diptera: Muscidae). Roush RT, et al. **J Econ Entomol** 1986 Oct;79(5):1178-82

Effects of horn fly (Diptera: Muscidae) control on cows and gastrointestinal worm (Nematode: Trichostrongylidae) treatment for calves on cow and calf weight gains. Schreiber ET, et al. **J Econ Entomol** 1987 Apr;80(2):451-4

On-line tropical epidemiology--a case-study from The

Gambia. Rowan KM, et al. **Methods Inf Med** 1987 Apr; 26(2):73–6
Clinical evaluation of insecticide-impregnated tags attached to chains and used as backrubbers for control of Haematobia irritans. Harvey TL, et al. **Vet Parasitol** 1986 Dec;22(3–4):303–6
[Prevention and control of the larva of Pieris rapae on Isatis indigotica with "decis"]Bao DF. **Chung Yao Tung Pao** 1986 Aug;11(8):9–10 **(Chi)**
[Use of traps in tsetse control: effects of treated and untreated supports] Dagnogo M, et al. **Trop Med Parasitol** 1986 Sep; 37(3):295–7 (Eng. Abstr.) **(Fre)**
[New procedures for the elimination of the brown dog tick (Rhipicephalus sanguineus L.) without contaminating room air] Hoffmann G. **DTW** 1986 Oct 8;93(9):418–24 (Eng. Abstr.) **(Ger)**
[Biological evaluation of new pyrethroid amides and n-esters in relation to the housefly Musca domestica L.] Styczyńska B, et al. **Rocz Panstw Zakl Hig** 1986;37(6):527–33 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Recommendations on disinsecting aircraft with permethrin. **Bull Pan Am Health Organ** 1986;20(1):70–2
[Control of mange mites and sucking and biting lice in cattle with pour-on Bayticol] Stendel W, et al. **DTW** 1986 Oct 8;93(9):450–4 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Corneal abrasions following the use of A-200 Pyrinate Shampoo. Clarke JS. **Pediatr Emerg Care** 1986 Mar;2(1):65
[Tolerance of Wellcare emulsion by horses with special reference to red blood cell formation and locomotion] Andresen U, et al. **DTW** 1987 Jul–Aug;94(7):385–91 (Eng. Abstr.) **(Ger)**
[Effect of semiproducts of permethrin synthesis on the skin] Gurova AI, et al. **Gig Sanit** 1987 Jun;(6):76–8 **(Rus)**

ANALYSIS

Insecticide residues in cattle treated with a cypermethrin, chlorpyrifos, piperonyl butoxide-impregnated ear tag. Byford RL, et al. **Bull Environ Contam Toxicol** 1986 Nov; 37(5):692–7
Insecticide residues on clothing worn by crop consultants in soybean fields treated with non-conventional application technology. Cloud RM, et al.
Bull Environ Contam Toxicol 1987 Feb;38(2):277–82
Airborne and surface residues of permethrin after high- and low-volume applications in greenhouses. Lindquist RK, et al. **J Environ Sci Health [B]** 1987;22(1):15–27
Persistence of deltamethrin and cypermethrin on wheat and sweetclover. Westcott ND, et al.
J Environ Sci Health [B] 1987;22(1):91–101

ANTAGONISTS & INHIBITORS

[Antagonist effects of phenprobamate and mephenesin carbamate on deltamethrin poisoning] Cotonat J, et al.
J Toxicol Clin Exp 1987 Jan–Feb;7(1):5–19 (Eng. Abstr.) **(Fre)**

METABOLISM

Pyrethroid metabolism: studies on cis- and trans-phenothrins, and related epoxide intermediates. Cova D, et al.
Arch Toxicol [Suppl] 1986;9:329–32
Comparison of the in vivo and in vitro percutaneous absorption of a lipophilic molecule (cypermethrin, a pyrethroid insecticide). Scott RC, et al.
J Invest Dermatol 1987 Aug;89(2):142–6
Route of passage of cypermethrin across the surface of sheep skin. Jenkinson DM, et al. **Res Vet Sci** 1986 Sep; 41(2):237–41
Pyrethroid insecticides and radioligand displacement from the GABA receptor chloride ionophore complex. Crofton KM, et al. **Toxicol Lett** 1987 Feb;35(2–3):183–90

PHARMACODYNAMICS

Sodium depletion in the periaxonal space of the squid axon treated with pyrethroids. de Weille JR, et al. **Brain Res** 1986 Oct 29;386(1–2):169–74
The action of two classes of pyrethroids on the inhibition of brain Na–Ca and Ca + Mg ATP hydrolyzing activities of the American cockroach. Clark JM, et al.
Comp Biochem Physiol [C] 1987;86(1):135–45
Actions of deltamethrin and tralomethrin on cholinergic synaptic transmission in the central nervous system of the cockroach (Periplaneta americana). Hue B, et al.
Comp Biochem Physiol [C] 1987;86(2):349–52
Deltamethrin-induced changes in synaptosomal transport of 3H-epinephrine in the squid optic lobes. Matsumura F.
Comp Biochem Physiol [C] 1987;87(1):31–5
A rapid method for the evaluation of nerve conduction blocking compounds. Pap L, et al.
Comp Biochem Physiol [C] 1986;85(2):347–52
The effects of two types of pyrethroid on rat skeletal muscle. Forshaw PJ, et al. **Eur J Pharmacol** 1987 Jan 28; 134(1):89–96
Pyrethroid inhibition of basal and calmodulin stimulated Ca2+ ATPase and adenylate cyclase in rat brain. Sahib IK, et al. **J Appl Toxicol** 1987 Apr;7(2):75–80
gamma-Aminobutyric acid receptor ionophore complexes: differential effects of deltamethrin, dichlorodiphenyltrichloroethane, and some novel insecticides in a rat brain membrane preparation. Lummis SC, et al. **J Neurochem** 1987 Mar;48(3):689–94
Stabilization of sodium channel states by deltamethrin in mouse neuroblastoma cells. Chinn K, et al.
J Physiol (Lond) 1986 Nov;380:191–207
Effects of pyrethroid insecticides on operant responding maintained by food. Stein EA, et al.
Neurotoxicol Teratol 1987 Jan–Feb;9(1):27–31
Inhibition of gamma-aminobutyric acid-stimulated chloride flux in mouse brain vesicles by polychlorocycloalkane and pyrethroid insecticides. Bloomquist JR, et al.
Neurotoxicology 1986 Fall;7(3):11–20
The resistance spectrum shown by a fenvalerate-resistant strain of blue tick (Boophilus decoloratus) to a range of ixodicides. Coetzee BB, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):79–82
Resistance by the blue tick (Boophilus decoloratus) to the synthetic pyrethroid, fenvalerate. Coetzee BB, et al.
Onderstepoort J Vet Res 1987 Mar;54(1):83–6
Changes in neuromuscular transmission of guinea pig vas deferens produced by decamethrin treatment. Anadón A, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):96–102
Activity of tralomethrin to modify the nerve membrane sodium channel. Brown LD, et al.
Toxicol Appl Pharmacol 1987 Jul;89(3):305–13
A field trial of microencapsulated deltamethrin, a synthetic pyrethroid, for malaria control. Taylor P, et al.
Trans R Soc Trop Med Hyg 1986;80(4):537–45
[Intravector anti-Plasmodium activity of a pyrethrinoid: deltamethrin] Carle PR, et al. **C R Acad Sci [III]** 1986; 303(13):565–8 (Eng. Abstr.) **(Fre)**

POISONING

Worker exposure to, and absorption of, cypermethrin during aerial application of an "ultra low volume" formulation to cotton. Chester G, et al. **Arch Environ Contam Toxicol** 1987 Jan;16(1):69–78
[Search for an antagonist for deltamethrin intoxication] Leclercq M, et al. **J Toxicol Clin Exp** 1986 Mar–Apr; 6(2):85–93 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Use of flumethrin for the control of Dermanyssus gallinae in a broiler breeder flock [published erratum appears in Aust Vet J 1987 May;64(5):132] Cooper NA, et al.
Aust Vet J 1987 Mar;64(3):83
Comparison of pediculicidal and ovicidal effects of two pyrethrin–piperonyl–butoxide agents. Pitman NK, et al.
Clin Ther 1987;9(4):368–72
Permethrin 5% dermal cream: a new treatment for scabies. Taplin D, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):995–1001
Effect on milk production of controlling muscid flies, and reducing fly-avoidance behaviour, by the use of Fenvalerate ear tags during the dry period. Harris JA, et al. **J Dairy Res** 1987 May;54(2):165–71
New drugs for use in 1987—Part One. Hussar DA.
Pa Med 1987 May;90(5):70–5
Permethrin 1% creme rinse for the treatment of Pediculus humanus var capitis infestation. Taplin D, et al.
Pediatr Dermatol 1986 Sep;3(4):344–8
Comparative study of permethrin 1% creme rinse and lindane shampoo for the treatment of head lice. Bowerman JG, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):252–5
Flumethrin: a non-stripping pyrethroid dip for the control of sheep scab. Kirkwood AC, et al. **Vet Rec** 1987 Feb 28; 120(9):197–9
Use of deltamethrin 'pour on' for control of the sheep tick Ixodes ricinus. Mitchell GB, et al. **Vet Rec** 1986 Aug 16; 119(7):156–7
Deltamethrin and flumethrin pour-on formulations for the control of Ixodes ricinus on cattle. Taylor SM, et al.
Vet Rec 1987 Mar 21;120(12):278
Control of headfly on sheep. Wright AJ, et al. **Vet Rec** 1987 Jun 27;120(26):612–4
[The control of flies and the prevention of summer mastitis in grazing cattle using pyrethroids in different forms of application] Liebisch A. **DTW** 1987 Apr 8;94(4):207–13 (Eng. Abstr.) **(Ger)**
[The new antiparasitic preparation Nittifor] Belov AS, et al.
Vestn Dermatol Venerol 1986;(8):43–5 (Eng. Abstr.) **(Rus)**
[Therapeutic study of pediculosis capitis using lotion and shampoo based on decamethrin] Schenone H, et al.
Bol Chil Parasitol 1985 Jan–Jun;40(1–2):3–6 (Eng. Abstr.) **(Spa)**
[Treatment of scabies with a dermatological lotion of decamethrin at 0.02%. Study of 127 patients using 2 therapeutic regimens] Schenone H, et al.
Bol Chil Parasitol 1986 Jan–Jun;41(1–2):3–7 (Eng. Abstr.) **(Spa)**

TOXICITY

Short-term exposure of zooplankton to the synthetic pyrethroid, fenvalerate, and its effects on rates of filtration and assimilation of the alga, Chlamydomonas reinhardii. Day K, et al. **Arch Environ Contam Toxicol** 1987 Jul; 16(4):423–32
Toxicity of fenvalerate and its constituent isomers to the fathead minnow, Pimephales promelas, and bluegill, Lepomis macrochirus. Bradbury SP, et al.
Bull Environ Contam Toxicol 1987 May;38(5):727–35
Immuno-, neuro-, and general toxicologic animal studies on a synthetic pyrethroid: cypermethrin. Dési I, et al.
Ecotoxicol Environ Safety 1986 Dec;12(3):220–32
Effects of fenvalerate on biochemical parameters, survival, and reproduction of Daphnia magna. McKee MJ, et al.
Ecotoxicol Environ Safety 1986 Aug;12(1):70–84
Influence of cypermethrin and fenvalerate on natural soil algal populations. Megharaj M, et al.
Ecotoxicol Environ Safety 1986 Oct;12(2):141–5
Tubifex bioassay test in studies on the pyrethroid Decis 2.5 EC. Jordan M. **Folia Biol (Krakow)** 1986;34(4):393–7
Modulation of adrenal ornithine decarboxylase by chlordecone, p,p'DDT and permethrin. Bondy SC, et al.
Neurotoxicology 1987 Spring;8(1):15–22
Complex effects of the insecticide permethrin on an isolated sensory neuron. Nation PN, et al.
Proc West Pharmacol Soc 1987;30:343–7
A quantitative assessment of pyrethroid-induced paraesthesia in the guinea-pig flank model. McKillop CM, et al.
Toxicol Lett 1987 Mar;36(1):1–7
[The toxic risk of deltamethrin (letter)] Bleys M, et al.
J Toxicol Clin Exp 1986 May–Jun;6(3):211–2 **(Fre)**
[Data providing a basis for the MAC of chrysanthemic acid, its ethyl ester and chloranhydride in workplace air] Gurova AI, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):53–4 **(Rus)**

PYRETHRUM see under **PLANTS**

PYREXIA see **FEVER**

PYRIDAZINES

Use of the chemiluminigenic probes luminol and lucigenin for the detection of active oxygen species in hepatic microsomes and in intact hepatocytes. Hildebrandt AG, et al. **Adv Exp Med Biol** 1986;197:971–80
Determination of amine oxidases in tissues by peroxidation-induced chemiluminescence of phthalazines. Avigliano L, et al. **Anal Biochem** 1986 Nov 15;159(1):67–72
Chemiluminescence in the presence of ferritin. Henley R, et al. **Anal Biochem** 1987 Feb 1;160(2):368–70
Variables in xanthine oxidase-initiated luminol chemiluminescence: implications for chemiluminescence measurements in biological systems. Wilhelm J, et al.
Anal Biochem 1986 Oct;158(1):201–10
Self-administration of minaprine in rhesus monkeys. Beardsley PM, et al. **Drug Alcohol Depend** 1987 Mar; 19(2):121–9
Aqualuminescence of alkaline luminol in the presence of fluorescein. Kalkar CD, et al.
Int J Rad Appl Instrum [A] 1986;37(1):41–5
A demonstration that O2- is a crucial intermediate in the high quantum yield luminescence of luminol. Miller EK, et al. **J Free Radic Biol Med** 1986;2(2):107–10
Cardiotonic agents. 4. Synthesis and biological evaluation of N-substituted 2,4,4a,5-tetrahydro-3H-indeno[1,2-c]pyridazin-3-ones: rigid structures derived from CI-930 and analogues. Sircar I, et al. **J Med Chem** 1986 Nov;29(11):2142–8
The effect of the relationship between punch velocity and particle size on the compaction behaviour of materials with varying deformation mechanisms. Roberts RJ, et al.
J Pharm Pharmacol 1986 Aug;38(8):567–71

ADMINISTRATION & DOSAGE

Systemic and renal hemodynamic effects of single oral doses of cadralazine and long term antihypertensive effects of cadralazine in patients receiving therapy with beta-blockers and diuretics. Persson B, et al.
Acta Med Scand [Suppl] 1986;714:177–82
Acute systemic and renal haemodynamic effects and long-term antihypertensive action of cadralazine in patients pretreated with beta-blockers and diuretics. Persson B, et al. **Eur J Clin Pharmacol** 1987;31(5):513–8
Repeated administration of the converting enzyme inhibitor cilazapril to normal volunteers. Nussberger J, et al.
J Cardiovasc Pharmacol 1987 Jan;9(1):39–44
[Prevention of recurrence of repetitious urinary tract infections in women] Nihira H, et al. **Nippon Rinsho** 1986 Dec;44(12):2688–93 (16 ref.) **(Jpn)**

ADVERSE EFFECTS

Cadralazine did not produce the SLE-syndrome when hydralazine did [letter] Andersson OK.
Eur J Clin Pharmacol 1987;31(6):741

ANALYSIS

Laboratory assessment of environmental impact of phthalazine. Lande SS, et al.
Bull Environ Contam Toxicol 1987 Feb;38(2):332–6
Maleic hydrazide residues in tobacco and their toxicological implications. Meyer SA, et al.
Rev Environ Contam Toxicol 1987;98:43–60 (106 ref.)

BLOOD

Effect of food intake on plasma levels and antihypertensive response during maintenance therapy with endralazine. Kindler J, et al. **Eur J Clin Pharmacol** 1987;32(4):367–72

Enzyme immunoassay discrimination of a new angiotensin-converting enzyme (ACE) inhibitor, cilazapril, and its active metabolite. Tanaka H, et al. **J Pharm Sci** 1987 Mar;76(3):224–7

CHEMICAL SYNTHESIS

Conformationally restricted congeners of hypotensive and platelet aggregation inhibitors: 6-aryl-5-methyl-4,5-dihydro-3(2H)-pyridazinones derived from 5H-indeno[1,2-c]pyridazine. Cignarella G, et al. **J Med Chem** 1986 Nov;29(11):2191–4

Dihydropyridazinone cardiotonics: the discovery and inotropic activity of 1,3-dihydro-3,3-dimethyl-5-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-2H -indol-2- one. Robertson DW, et al. **J Med Chem** 1986 Oct;29(10):1832–40

Cardiotonic agents. 4. Synthesis and biological evaluation of N-substituted 2,4,4a,5-tetrahydro-3H-indeno[1,2-c]pyridazin-3-ones: rigid structures derived from CI-930 and analogues. Sircar I, et al. **J Med Chem** 1986 Nov;29(11):2142–8

Synthesis and structure-activity relationships of a series of aminopyridazine derivatives of gamma-aminobutyric acid acting as selective GABA-A antagonists. Wermuth CG, et al. **J Med Chem** 1987 Feb;30(2):239–49

[Synthesis of pyrazole(3,4-a)pyridazine derivatives] Caronna S, et al. **Boll Chim Farm** 1986 Apr;125(4):114–6 (Eng. Abstr.) **(Ita)**

[Phthalazinylides. Action of p-methoxyphenacyl bromide on 1-methylphthalazine] Caproşu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Oct–Dec; 90(4):719–21 (Eng. Abstr.) **(Rum)**

DIAGNOSTIC USE

Detection of oxygen activation and determination of the activity of antioxidants towards reactive oxygen species by use of the chemiluminigenic probes luminol and lucigenin. Kahl R, et al. **Arch Toxicol** 1987;60(1-3):158–62

Stimulation of alveolar macrophages by mineral dusts in vitro: luminol-dependent chemiluminescence study. Vilím V, et al. **Environ Res** 1987 Feb;42(1):246–56

METABOLISM

Kinetic studies of the tissue binding tendency of the new vasodilator pildralazine. Noack E, et al. **Arzneimittelforschung** 1987 Apr;37(4):407–9

Prizidilol. Metabolism by cytochrome P-450 and acetyltransferase. Huang CY, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):689–97

Biochemical characterization of the interaction of three pyridazinyl-GABA derivatives with the GABAA receptor site. Heaulme M, et al. **Brain Res** 1986 Oct 8;384(2):224–31

Pharmacokinetics of the converting enzyme inhibitor cilazapril in normal volunteers and the relationship to enzyme inhibition: development of a mathematical model. Francis RJ, et al. **J Cardiovasc Pharmacol** 1987 Jan; 9(1):32-8

Characterization of the binding of [3H]SR 95531, a GABAA antagonist, to rat brain membranes. Heaulme M, et al. **J Neurochem** 1987 Jun;48(6):1677–86

Specific binding of a phenyl-pyridazinium derivative endowed with GABAA receptor antagonist activity to rat brain. Heaulme M, et al. **Neuropharmacology** 1986 Nov; 25(11):1279–83

Metabolic oxidation of the pyrrole ring: structure and origin of some urinary metabolites of the anti-hypertensive pyrrolylpyridazinamine, mopidralazine. III: Studies with the 13C-labelled drug. Assandri A, et al. **Xenobiotica** 1987 May;17(5):559–73

Reaction of 1-amino- and 1-chlorophthalazine with mammalian molybdenum hydroxylases in vitro. Johnson C, et al. **Xenobiotica** 1987 Jan;17(1):17–24

PHARMACODYNAMICS

Antagonism of histamine and leukotrienes by azelastine in isolated guinea pig ileum. Chand N, et al. **Agents Actions** 1986 Nov;19(3-4):164–8

Inhibition of human platelet aggregation by motapizone via an increase in intracellular cAMP. Borbe HO, et al. **Agents Actions [Suppl]** 1986;20:249–57

Inhibition of leukotriene (SRS-A)-mediated acute lung anaphylaxis by azelastine in guinea pigs. Chand N, et al. **Allergy** 1986 Sep;41(7):473–8

Cardiovascular pharmacology of 6-[4-(4'-pyridyl)aminophenyl]-4,5-dihydro-3(2H)-pyridazinone hydrochloride, a novel and potent cardiotonic agent with vasodilator properties. Narimatsu A, et al. **Arzneimittelforschung** 1987 Apr;37(4):398–406

Effect of a calcium antagonist (ICI 109,081) upon follicular steroidogenesis and oocyte maturation in the golden hamster. Matson PL, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):243–8

A 7-phenyl substituted triazolopyridazine has inverse agonist activity at the benzodiazepine receptor site. Biziere K, et al. **Br J Pharmacol** 1987 Jan;90(1):183–90

Electrophysiological study of SR 42641, a novel aminopyridazine derivative of GABA: antagonist properties and receptor selectivity of GABAA versus GABAB responses. Desarmenien M, et al. **Br J Pharmacol** 1987 Feb;90(2):287–98

Systemic haemodynamic actions of pimobendan (UD-CG 115 BS) and its O-demethylmetabolite UD-CG 212 CI in the conscious pig. Duncker DJ, et al. **Br J Pharmacol** 1987 Jul;91(3):609–15

The effects of isoproterenol, UDCG 115, and caffeine on the heart related to excitation-contraction coupling in heart muscle. Blanchard EM, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):659–66

The inhibitory effect of azelastine and ketotifen on histamine-induced bronchoconstriction in asthmatic patients. Magnussen H. **Chest** 1987 Jun;91(6):855–8

Difference in response of vascular angiotensin converting enzyme activity to cilazapril in SHR. Nakamura Y, et al. **Clin Exp Hypertens [A]** 1987;9(2-3):351–5

Inhibition of angiotensin-I response by cilazapril and its time course in normal volunteers. Wellstein A, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):639–44

Fast anterograde axonal transport in wasted and non-wasted diabetic rats; effects of aldose reductase inhibition. Whiteley SJ, et al. **Diabetes Res** 1986 Nov;3(9):447–52

Reduced anterograde and retrograde accumulation of axonally transported phosphofructokinase in streptozotocin-diabetic rats: effects of insulin and the aldose reductase inhibitor 'Statil'. Willars GB, et al. **Diabetologia** 1987 Apr;30(4):239–43

17 Beta-estradiol inhibits the oxidative metabolism of U937 cells indirectly via lymphocytes. Sivam G, et al. **Endocrinology** 1987 Sep;121(3):853–7

Inhibition of thrombocyte aggregation by oral motapizone and other drugs. Schulz V, et al. **Eur J Clin Pharmacol** 1986;31(4):411–4

Hypotensive and antiplatelet actions of motapizone depend on dose and time after ingestion. Schulz V, et al. **Eur J Clin Pharmacol** 1986;31(4):405–10

Contractile proteins: possible targets for the cardiotonic action of MCI-154, a novel cardiotonic agent? Kitada Y, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):229–31

Cardiovascular effects of UD-CG 212 CL, a metabolite of pimobendan, in anaesthetized pigs. Verdouw PD, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):219–26

Cardiovascular profile of pimobendan, a benzimidazole-pyridazinone derivative with vasodilating and inotropic properties. Verdouw PD, et al. **Eur J Pharmacol** 1986 Jul 15;126(1-2):21–30

Behavioural evidence for a selective GABA-A antagonistic activity of SR 95103 and SR 42641 after intrastriatal injection in mice. Worms P, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):343–50

Changes in net CO2 assimilation in wheat seedlings grown in presence of BASF 13.338 (4-chloro-5-dimethylamino-2-phenyl-3-(2H)= pyridazinone). Mannan RM, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):114–8

Effect of azelastine on the release and action of leukotriene C4 and D4. Katayama S, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):284–9

Enhanced alveolar cell luminol-dependent chemiluminescence in asthma. Cluzel M, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):195–201

Pharmacodynamic evaluation of azelastine in subjects with asthma. Spector SL, et al. **J Allergy Clin Immunol** 1987 Jul;80(1):75–80

Hemodynamic responses to angiotensin I in normal volunteers and the antagonism by the angiotensin-converting enzyme inhibitor cilazapril. Belz GG, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):219–24

Effects of single doses of the converting enzyme inhibitor cilazapril in normal volunteers. Fasanella d'Amore T, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):26–31

Pharmacology of LY195115, a potent, orally active cardiotonic with a long duration of action. Hayes JS, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):425–34

Influence of plasma components on luminol-enhanced chemiluminescence from peripheral granulocytes in juvenile periodontitis. Asman B, et al. **J Clin Periodontol** 1986 Oct;13(9):850–5

Molecular structure of the dihydropyridazinone cardiotonic 1,3-dihydro-3,3-dimethyl-5-(1,4,5,6-tetrahydro-6-oxo-pyridazinyl)- 2H-indol-2-one, a potent inhibitor of cyclic AMP phosphodiesterase. Robertson DW, et al. **J Med Chem** 1987 Apr;30(4):623–7

Dihydropyridazinone cardiotonics: synthesis and inotropic activity of 5'-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)= spiro[cycloalkane- 1,3'-[3H]indol]-2'(1'H)-ones. Robertson DW, et al. **J Med Chem** 1987 May;30(5):824–9

SR 95191, a selective inhibitor of type A monoamine oxidase with dopaminergic properties. II. Biochemical characterization of monoamine oxidase inhibition. Kan JP, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):251–8

Evaluation of two anticonvulsant amino-pyridazine derivatives in the conflict test in rats. Perio A, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):542–7

SR 95191, a selective inhibitor of type A monoamine oxidase with dopaminergic properties. I. Psychopharmacological profile in rodents. Worms P, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):241–50

LY195115: a potent, selective inhibitor of cyclic nucleotide phosphodiesterase located in the sarcoplasmic reticulum. Kauffman RF, et al. **Mol Pharmacol** 1986 Dec;30(6):609–16

Effects of benzamide pretreatment on clastogenic adaptation of Vicia faba root-tip meristem cells to triethylenemelamine (TEM) and maleic hydrazide (MH). Rieger R, et al. **Mutat Res** 1987 Jun;191(2):93–7

Dopamine-like activities of an aminopyridazine derivative, CM 30366: a behavioural study. Worms P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):246–52

Interactions between three pyridazinyl-GABA derivatives and central GABA and glycine receptors in the rat, an in vivo microiontophoretic study. Michaud JC, et al. **Neuropharmacology** 1986 Nov;25(11):1197–203

A pyridazinyl derivative of gamma-aminobutyric acid (GABA), SR 95531, is a potent antagonist of Cl- channel opening regulated by GABAA receptors. Mienville JM, et al. **Neuropharmacology** 1987 Jul;26(7A):779–83

Comparison of the effects of chlordiazepoxide and CL 218,872 on serum corticosterone concentrations in rats. McElroy JF, et al. **Psychopharmacology (Berlin)** 1987; 91(4):467–72

Effects of zolpidem, a new imidazopyridine hypnotic, on the acquisition of conditioned fear in mice. Comparison with triazolam and CL 218,872. Sanger DJ, et al. **Psychopharmacology (Berlin)** 1986;90(2):207–10

Different effects of aspirin, dipyridamole and UD-CG 115 on platelet activation in a model of vascular injury: studies with extracellular matrix covered with endothelial cells. Eldor A, et al. **Thromb Haemost** 1986 Dec 15;56(3):333–9

[Non-invasive study of the role of carotid distension in the baroreflex response to the arteriolar vasodilator cadralazine in essential hypertension] Laurent S, et al. **Arch Mal Coeur** 1986 Jun;79(6):937–41 (Eng. Abstr.) **(Fre)**

[Study of the mechanism of luminol-dependent chemiluminescence of lymphocytes induced by immune complexes] Karsonova MI, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):42–5 (Eng. Abstr.) **(Rus)**

[Luminol-dependent chemiluminescence of the primary focus at different infecting doses of Staphylococcus aureus] Belotskiĭ SM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):53–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Platelet-activating factor (PAF-acether) induced leukotriene C4 formation and luminol dependent chemiluminescence by human eosinophils. Bruynzeel PL, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:61–9

THERAPEUTIC USE

Autonomic and peripheral nerve function in early diabetic neuropathy. Possible influence of a novel aldose reductase inhibitor on autonomic function. Sundkvist G, et al. **Acta Med Scand** 1987;221(5):445–53

Hemodynamic, pharmacokinetic and clinical response to CI-930 in congestive heart failure due to ischemic or dilated cardiomyopathy. Jafri SM, et al. **Am J Cardiol** 1987 May 1;59(12):1126–30

Acute hemodynamic and hormonal effects of CI-930, a new phosphodiesterase inhibitor, in severe congestive heart failure. Murali S, et al. **Am J Cardiol** 1987 Jun 1; 59(15):1356–60

Ciprofloxacin versus cinoxacin in therapy of urinary tract infections. A randomized, double-blind trial. Goldstein EJ, et al. **Am J Med** 1987 Apr 27;82(4A):284–7

Inhibition of acute lung anaphylaxis by aerosolized azelastine in guinea pigs sensitized by three different procedures. Chand N, et al. **Ann Allergy** 1987 May;58(5):344–9

The effect of oral zindotrine (MDL-257), a bronchial smooth muscle relaxant, on histamine airways responsiveness in asymptomatic asthmatics. Küng M, et al. **Ann Allergy** 1987 Sep;59(3):201–6

Effects of long-term administration of propyldazine on blood pressure and counter-regulatory systems in conscious hypertensive dogs. Fischer G, et al. **Arch Int Pharmacodyn Ther** 1986 Dec;284(2):313–23

Usefulness of pimobendan in the treatment of heart failure. Duncker DJ, et al. **Arzneimittelforschung** 1986 Dec; 36(12):1740–4

The pharmacodynamics and dose-response relationships of the angiotensin converting enzyme inhibitor, cilazapril, in essential hypertension. Ajayi AA, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):167–75

Treatment of urinary infections: clinical perspectives. Fontana G, et al. **Chemioterapia** 1987 Feb;6(1):45–9

Arterial dynamics, cardiac hypertrophy, and antihypertensive treatment. Safar ME, et al. **Circulation** 1987 Jan;75(1 Pt 2):I156–61

Evaluation of once daily endralazine in hypertension. Wu R, et al. **Eur J Clin Pharmacol** 1986;30(5):553–7

A comparative study of endralazine and captopril in essential hypertension: effect on renin levels, pulmonary function studies and lipid profile. Hauger-Klevene JH, et al. **Int J Clin Pharmacol Res** 1986;6(4):275–81

A dose-response study of the bronchodilator action of azelastine in asthma. Kemp JP, et al. **J Allergy Clin Immunol** 1987 Jun;79(6):893–9

A double-blind comparison of minaprine and imipramine in the treatment of depressed patients [letter] Bohacek N, et al. **J Clin Psychopharmacol** 1986 Oct;6(5):320–1

Effect of minaprine on "delayed neuronal death" in mongolian gerbils with occluded common carotid arteries. Araki H, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):686–91

Treatment of upper and lower airway disease with azelastine.

Perhach JL, et al. **New Engl Reg Allergy Proc** 1987 Mar-Apr;8(2):121-4

[Treatment of chronic cardiac failure with cadralazine. Short- and medium-term results] Gibelin P, et al. **Arch Mal Coeur** 1987 Feb;80(2):199-205 (Eng. Abstr.) **(Fre)**

[Cilazapril in essential hypertension. A placebo-controlled double-blind study to establish the dosage] Belz GG, et al. **Med Klin** 1986 Jul 18;81(15-16):524-9 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of cinoxacin, cotrimoxazole and pipemidic acid in recurrent infections of the lower urinary tract in long-term therapy] Aimè G, et al. **Minerva Urol Nefrol** 1987 Apr-Jun;39(2):129-34 (Eng. Abstr.) **(Ita)**

[Comparative clinical study of the antibacterial activity of cinoxacin and norfloxacin in urinary tract infections] Pennisi M, et al. **Minerva Urol Nefrol** 1987 Jan-Mar; 39(1):51-6 (Eng. Abstr.) **(Ita)**

[Effects of azelastine on an experimentally-induced acute hepatic failure model] Mizoguchi Y, et al. **Arerugi** 1987 Feb;36(2):108-11 (Eng. Abstr.) **(Jpn)**

[Amezinium in disregulation of arterial blood pressure] Goch JH, et al. **Pol Tyg Lek** 1987 Apr 21;42(16):474-7 (Eng. Abstr.) **(Pol)**

[Endralazine monotherapy in comparison with prazosin and hydralazine in arterial hypertension] Postol'nikov SF, et al. **Sov Med** 1986;(10):86-9 **(Rus)**

TOXICITY

Acute and subchronic toxicology of LY-195115 in rats and dogs. Sandusky GE, et al. **Toxicol Lett** 1987 Sep; 38(1-2):177-86

PYRIDINE ALDOXIME METHYL COMPOUNDS see **PRALIDOXIME COMPOUNDS**

PYRIDINES

X-ray analysis of Ca2+ antagonists: 3,5-bis-(methoxycarbonyl)-2,6-dimethyl-4-(2-aminophenyl)-1,4- dihydropyridine hydrate. Fossheim R. **Acta Chem Scand [B]** 1986 Oct;40(9):776-8

Chemically induced Parkinson's disease: intermediates in the oxidation of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine to the 1-methyl-4-phenyl-pyridinium ion. Chacon JN, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):957-64

Oxidative reactivity of the tryptophan metabolites 3-hydroxyanthranilate, cinnabarinate, quinolinate and picolinate. Dykens JA, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):211-7

Number of binding sites of DNA and polynucleotides with tris(2,2'-dipyridyl)ruthenium(II) cations. Stradowski C, et al. **Biopolymers** 1987 Feb;26(2):189-201

Assessment of a new hypnotic imidazo-pyridine (zolpidem) as oral premedication. Cashman JN, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):85-92

A simple conductimetric method as an alternative to the colorimetric p-nitrobenzylpyridine test for the measurement of the reactivity of potentially mutagenic alkylating compounds. Bellucci G, et al. **Chem Biol Interact** 1986 Oct 1;59(3):255-63

Enzyme-mechanism based reaction of 1,1'-diacetyl-1,1',4,4'-tetrahydro-4,4'-bipyridine (DTB) with para nitrosophenetole: mutagenicity of the reaction products. Gupta RL, et al. **Indian J Exp Biol** 1986 Aug; 24(8):528-32

Polarographic determination of lead in drinking water samples of Western U.P. districts with 3-hydroxypyridine-2-thiol. Sindhu RS. **Int J Environ Anal Chem** 1987;28(1-2):87-91

The interaction of phenylalkylamine calcium channel blockers with the 1,4-dihydropyridine binding site. Zobrist RH, et al. **J Mol Cell Cardiol** 1986 Sep;18(9):963-74

Variability and functional recovery in the N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of parkinsonism in monkeys. Eidelberg E, et al. **Neuroscience** 1986 Aug;18(4):817-22

An unusual base pairing between pyrimidine and pyridine nucleotides. Charczuk R, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9530

Spontaneous assembly of double-stranded helicates from oligobipyridine ligands and copper(I) cations: structure of an inorganic double helix. Lehn JM, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2565-9

Local cerebral metabolic effects of L-dopa therapy in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism in monkeys. Porrino LJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5995-9

ADMINISTRATION & DOSAGE

Pupillary dilation with tropicamide 1% for funduscopic screening. A study of duration of action. Steinmann WC, et al. **Ann Intern Med** 1987 Aug;107(2):181-4

Fluoride retention by human enamel after in vitro application of nicomethanol hydrofluoride [published erratum appears in ASDC J Dent Child 1987 Mar-Apr;54(2):100] Barbakow F, et al. **ASDC J Dent Child** 1987 Jan-Feb;54(1):9-14

Intracerebral quinolinic acid injection in the rat: effects on dopaminergic neurons. Mazzari S, et al. **Brain Res** 1986 Aug 20;380(2):309-16

Effect of amphetamine on 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) neurotoxicity in mice. Sershen H, et al. **Neuropharmacology** 1986 Aug;25(8):927-30

Effect of nicotine and amphetamine on the neurotoxicity of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in mice. Sershen H, et al. **Neuropharmacology** 1986 Nov; 25(11):1231-4

Systemic administration of antioxidants does not protect mice against the dopaminergic neurotoxicity of 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP). Martinovits G, et al. **Neurosci Lett** 1986 Aug 29;69(2):192-7

ADVERSE EFFECTS

Toxins and Parkinson's disease: MPTP parkinsonism in humans and animals. Kopin IJ. **Adv Neurol** 1987;45:137-44

Drugs and stillbirth. Porter JB, et al. **Am J Public Health** 1986 Dec;76(12):1428-31

Contact urticaria induced by pyridine carboxaldehyde. Archer CB, et al. **Contact Dermatitis** 1986 Nov;15(5):308-9

The weight of the evidence--or--more likely than not. Melnick M. **J Craniofac Genet Dev Biol** 1986;6(3):203-6

Acute hallucinogenic reaction to carbinoxamine maleate. Cockrell JL. **J Toxicol Clin Toxicol** 1987;25(1-2):161-7

Debendox [letter] Elbourne D, et al. **Med J Aust** 1986 Mar 3;144(5):280

[Cardiovascular and digestive effects of 2 mydriatics in the low-birth-weight newborn infant] Walti H, et al. **Arch Fr Pediatr** 1987 Jan;44(1):31-3 (Eng. Abstr.) **(Fre)**

[Myasthenia induced successively by pyritinol, then by captopril, in rheumatoid polyarthritis (letter)] Kirjner M, et al. **Therapie** 1987 Mar-Apr;42(2):250 **(Fre)**

ANALYSIS

A radioenzymatic assay for quinolinic acid. Foster AC, et al. **Anal Biochem** 1986 Oct;158(1):98-103

Persistence studies with the herbicide fluazifop-butyl in Saskatchewan soils under laboratory and field conditions. Smith AE. **Bull Environ Contam Toxicol** 1987 Jul; 39(1):150-5

High-performance liquid chromatographic determination of zolpidem, a new sleep inducer, in biological fluids with fluorimetric detection. Guinebault P, et al. **J Chromatogr** 1986 Nov 28;383(1):206-11

High-performance liquid chromatographic determination of Fluazifop-butyl and Fluazifop in soil and water. Negre M, et al. **J Chromatogr** 1987 Jan 30;387:541-5

Capillary gas chromatographic-mass spectrometric determination of pyridine bases in environmental samples. Tsukioka T, et al. **J Chromatogr** 1987 Jun 19;396:319-26

Characterization of the binding of N-methyl-4-phenylpyridine, the toxic metabolite of the parkinsonian neurotoxin N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, to neuromelanin. D'Amato RJ, et al. **J Neurochem** 1987 Feb; 48(2):653-8

Increase in the content of quinolinic acid in cerebrospinal fluid and frontal cortex of patients with hepatic failure. Moroni F, et al. **J Neurochem** 1986 Dec;47(6):1667-71

[Method for the simultaneous determination of residues of chemotherapeutic agents, antiparasitic agents and growth promoters in food of animal origin. 3. Determination of chloramphenicol and meticlorpindol] Malisch R. **Z Lebensm Unters Forsch** 1987 Jun;184(6):467-77 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

The relative potencies of (-)-2-amino-5-phosphonovalerate and (-)-2-amino-7-phosphonoheptanoate as antagonists of N-methylaspartate and quinolinic acids and repetitive spikes in rat hippocampal slices. Stone TW. **Brain Res** 1986 Aug 27;381(1):195-8

Pargyline and naltrexone fail to antagonize the gustatory avoidance response induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. DeVito MJ, et al. **Drug Alcohol Depend** 1986 Nov;18(3):293-9

Effect of cysteine on the persistent depletion of brain monoamines by amphetamine, p-chloroamphetamine and MPTP. Steranka LR, et al. **Eur J Pharmacol** 1987 Jan 13; 133(2):191-7

MPTP, selegiline, and parkinsonism [letter] Akos K. **Lancet** 1987 Jan 3;1(8523):38-9

Partial protection from the dopaminergic neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) by Pro-Leu-Gly-NH2(PLG; MIF-1). Sheng JG, et al. **Life Sci** 1987 May 18;40(20):2007-10

Effects of ketamine on the in vivo toxicity of quinolinate and N-methyl-D-aspartate in the rat hippocampus. Lees GJ. **Neurosci Lett** 1987 Jul 22;78(2):180-6

Exposure to cigarette smoke does not decrease the neurotoxicity of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. Perry TL, et al. **Neurosci Lett** 1987 Feb 24;74(2):217-20

BLOOD

Uptake, metabolism and subcellular localization of MPTP and MPP+ in blood platelets. Da Prada M, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:347-9

Determination of alpidem and its metabolites in human plasma by high-performance liquid chromatography and fluorimetric detection. Ascalone V, et al. **J Chromatogr** 1987 Feb 20;414(1):101-8

Determination of a new dihydropyridine derivative, methyl 3-cyclopentyl-4,7-dihydro-1,6-dimethyl-4-(3-nitrophenyl)pyrazolo[3,4-b] pyridine-5-carboxylate, in human serum by high-performance liquid chromatography with electrochemical detection and column switching. Ueno K, et al. **J Chromatogr** 1986 Aug 22;381(1):192-7

Properties of 3H-MPTP binding sites in human blood platelets. Del Zompo M, et al. **Life Sci** 1986 Nov 17; 39(20):1885-91

Adenine and pyridine nucleotides during rabbit reticulocyte maturation and cell aging. Stocchi V, et al. **Mech Ageing Dev** 1987 Jun;39(1):29-44

[Pyridine metabolism of the human erythrocyte] Sestini S, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):241-65 (117 ref.) (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Synthesis of guanylhydrazones derived from 3-pyridinol and evaluation of their effect on serum thromboxane B2 and prostaglandin E2 production. Desideri N, et al. **Arzneimittelforschung** 1986 Nov;36(11):1561-3

Synthesis of 3-substituted pyrazolo[1,5-a]pyridine derivatives with inhibitory activity on platelet aggregation. II. Awano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2833-9

Synthesis of 3-substituted pyrazolo[1,5-a]pyridine derivatives with inhibitory activity on platelet aggregation. I. Awano K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2828-32

Synthesis of novel pyridotriazepinones as antisecretory agents. Kodato S, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):80-9

Synthesis and properties of new 3-acyl- and 3-carbamoyl derivatives of esters of 3H-2-imino-7-methyl-4-oxopyrido[3,2-e]-1,3-thiazine-5- and -6-carboxylic acids. Sladowska H, et al. **Farmaco [Sci]** 1986 Dec;41(12):964-9

Synthesis and properties of amides of 1-benzyl-3-methyl- and 1-butyl-3-phenyl-7-methyl-4-oxo-2-thioxo (2,4-dioxo)-1,2,3,4-tetrahydropyrido-[2,3-d]pyrimidine-6-carboxy lic acids. Sladowska H, et al. **Farmaco [Sci]** 1986 Dec;41(12):954-63

Synthesis and properties of some derivatives of 2H-4,6-dimethylpyrido[3,2-d]isothiazolin-3-one-1,1-dioxide. Zawisza T, et al. **Farmaco [Sci]** 1986 Sep; 41(9):676-83

A novel system: 2H-pyrido[3,2-e]-1,2-thiazine-1,1-dioxide. Synthesis and properties of some derivatives. Zawisza T, et al. **Farmaco [Sci]** 1986 Oct;41(10):819-26

Synthesis and antisecretory and antiulcer activities of derivatives and analogues of 2-(2-pyridyl)tetrahydrothiophene-2-carbothioamide. Aloup JC, et al. **J Med Chem** 1987 Jan;30(1):24-9

1-(2-pyridinyl)piperazine derivatives with antianaphylactic, antibronchospastic, and mast cell stabilizing activities. Catto A, et al. **J Med Chem** 1987 Jan;30(1):13-9

Synthesis and calcium channel antagonist activity of dialkyl 4- (dihydropyridinyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinecarboxylates. Dagnino L, et al. **J Med Chem** 1987 Apr;30(4):640-6

Synthesis and calcium channel antagonist activity of dialkyl 1,4-dihydro-2,6-dimethyl-4-(pyridinyl)-3,5-pyridinedicarboxylates. Dagnino L, et al. **J Med Chem** 1986 Dec;29(12):2524-9

Octahydropyrazino[2',3':3,4]pyrido[1,2-a]indoles. A new class of potent antihypertensive agents. Jirkovsky I, et al. **J Med Chem** 1987 Feb;30(2):388-94

Cardiotonic agents. 2. Synthesis and structure-activity relationships in a new class of 6-, 7-, and 8-pyridyl-2(1H)-quinolone derivatives. Leclerc G, et al. **J Med Chem** 1986 Dec;29(12):2433-8

Cardiotonic agents. 1. Synthesis and structure-activity relationships in a new class of 3-, 4-, and 5-pyridyl-2(1H)-quinolone derivatives. Leclerc G, et al. **J Med Chem** 1986 Dec;29(12):2427-32

Selective thromboxane synthetase inhibitors and antihypertensive agents. New derivatives of 4-hydrazino-5H-pyridazino[4,5-b]indole, 4-hydrazinopyridazino[4,5-a]indole, and related compounds. Monge A, et al. **J Med Chem** 1987 Jun; 30(6):1029-35

1-Amino-substituted 4-methyl-5H-pyrido[3',4':4,5]pyrrolo[3,2-c]pyridines: a new class of antineoplastic agents. Nguyen CH, et al. **J Med Chem** 1987 Sep;30(9):1642-7

Pyridonecarboxylic acids as antibacterial agents. 9. Synthesis and antibacterial activity of 1-substituted 6-fluoro-1,4-dihydro-4-oxo-7-(4-pyridyl)-1,8-naphthyridine-3- carboxylic acids. Nishimura Y, et al. **J Med Chem** 1987 Sep;30(9):1622-6

2-[(3-Pyridinylmethyl)thio]pyrimidine derivatives: new bronchosecretolytic agents. Schickaneder H, et al. **J Med Chem** 1987 Mar;30(3):547-51

N-(heterocyclic alkyl)pyrido[2,1-b]quinazoline-8-carboxamides as orally active antiallergy agents. Tilley JW, et al. **J Med Chem** 1987 Jan;30(1):185-93

Synthesis of 7,12-dihydropyrido[3,4-b:5,4-b']diindoles. A novel class of rigid, planar benzodiazepine receptor ligands. Trudell ML, et al. **J Med Chem** 1987 Mar;30(3):456-8

Synthesis of N-(3,6-dihydro-1(2H)-pyridinyl)benzamides

with hyperglycemic-hypoglycemic activity. Yeung JM, et al. **J Med Chem** 1987 Jan;30(1):104-8

Potential acetylcholinesterase reactivators: pyridine and alpha-oxooxime derivatives. Daroszewski J, et al. **Pharmazie** 1986 Oct;41(10):699-702

Synthesis and some reactions of 2-cyanomethylimidazo [4,5-b]pyridine. Tuberculostatic investigations of obtained compounds. Bukowski L. **Pol J Pharmacol Pharm** 1986 Jan-Feb;38(1):91-8

[Synthesis and antiinflammatory activity of pyrido[4,3-e]-1,2-thiazine-3-carboxamide derivatives] Saito K, et al. **Yakugaku Zasshi** 1986 Nov;106(11):1008-16 (Eng. Abstr.) **(Jpn)**

[Synthesis of 4-(2-benzofuranyl)pyridine derivatives with potential antidepressive effects] Zawadowski T, et al. **Acta Pol Pharm** 1986;43(3):207-10 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection. Intenzo CM, et al. **J Nucl Med** 1987 Apr;28(4):438-41

[11C]MPTP: a potential tracer for Parkinson's disease research in laboratory animals. Livni E, et al. **J Nucl Med** 1986 Oct;27(10):1600-3

[Pyridine olfaction test--on the results of the test in cases of olfactory disturbance] Kobayashi H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov;89(11):1686-92 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

An antibody to dihydropyridine calcium entry blockers. A comparison with the calcium channel receptor in skeletal muscle. Thayer SA, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4479-85

[Effect of heparin on the immunogenicity of electrostatic covalent albumin complexes with synthetic polyions. Immunogenicity of the triple covalent complex polyelectrolyte-protein-heparin] Petrov RV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):30-5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Separation of the enantiomers of fluazifop and other 2-phenoxypropionic acids using chiral metal chelate additives in reversed-phase high-performance liquid chromatography. Davy GS, et al. **J Chromatogr** 1987 May 22;394(2):323-31

Gas chromatographic separation of substituted pyridines. Premecz JE, et al. **J Chromatogr** 1987 Feb 6;388(1):23-35

METABOLISM

Influence of monoamine oxidase inhibitors and a dopamine uptake blocker on the distribution of 11C-N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, 11C-MPTP, in the head of the rhesus monkey. Hartvig P, et al. **Acta Neurol Scand** 1986 Jul;74(1):10-6

Accumulation of a parkinsonism-inducing neurotoxin in melanin-bearing neurons: autoradiographic studies on 3H-MPTP. Lindquist NG, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):161-4

Isomeric composition of N-alkylated protoporphyrins produced by substituted dihydropyridines in vivo and in vitro. De Matteis F, et al. **Adv Exp Med Biol** 1986; 197:163-70

Characterization of [3H]MPTP binding sites. Corsini GU, et al. **Adv Neurol** 1987;45:153-8

Pharmacokinetics of topically applied cyclopentolate HCl and tropicamide. Lovasik JV. **Am J Optom Physiol Opt** 1986 Oct;63(10):787-803

Photoaffinity labelling of the cardiac calcium channel. (-)-[3H]azidopine labels a 165 kDa polypeptide, and evidence against a [3H]-1,4-dihydropyridine-isothiocyanate being a calcium-channel-specific affinity ligand. Ferry DR, et al. **Biochem J** 1987 Apr 1;243(1):127-35

The binding of binuclear platinum(II)-terpyridine complexes to DNA. McFadyen WD, et al. **Biochem J** 1987 Feb 15; 242(1):177-83

Role of N-methyltransferases in the neurotoxicity associated with the metabolites of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) and other 4-substituted pyridines present in the environment. Ansher SS, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3359-63

Stopped-flow studies on the mechanism of oxidation of N-methyl-4-phenyltetrahydropyridine by bovine liver monoamine oxidase B. Ramsay RR, et al. **Biochemistry** 1987 Jun 2;26(11):3045-50

Desorption chemical ionization and fast atom bombardment mass spectrometric studies of the glucuronide metabolites of doxylamine. Lay JO Jr, et al. **Biomed Environ Mass Spectrom** 1986 Nov;13(11):627-32

Characterization of dihydropyridine binding sites in the rat brain: hypertension and age-dependent modulation of [3H](+)-PN 200-110 binding. Huguet F, et al. **Brain Res** 1987 May 26;412(1):125-30

Analysis of the properties of binding of calcium-channel activators and inhibitors to dihydropyridine receptors in chick heart membranes. Maan AC, et al. **Circ Res** 1987 Sep;61(3):379-88

Diphenylhydantoin blocks cardiac calcium channels and binds to the dihydropyridine receptor. Yatani A, et al. **Circ Res** 1986 Sep;59(3):356-61

High affinity [3H]zolpidem binding in the rat brain: an imidazopyridine with agonist properties at central benzodiazepine receptors. Arbilla S, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):257-63

NMR study of the interaction of P-450 with 4-methoxypyridine. Woldman YaYu, et al. **FEBS Lett** 1987 Feb 9;212(1):53-7

Pharmacokinetic and dynamic studies with a new anxiolytic imidazo-pyridine alpidem utilizing pharmaco-EEG and psychometry. Saletu B, et al. **Int Clin Psychopharmacol** 1986 Apr;1(2):145-64

Metabolism of doxylamine succinate in Fischer 344 rats. Part II: Nonconjugated urinary and fecal metabolites. Holder CL, et al. **J Anal Toxicol** 1987 May-Jun;11(3):113-21

Identification of two glucuronide metabolites of doxylamine via thermospray/mass spectrometry and thermospray/mass spectrometry/mass spectrometry. Korfmacher WA, et al. **J Anal Toxicol** 1987 Jul-Aug;11(4):182-4

The interaction of phenylalkylamine calcium channel blockers with the 1,4-dihydropyridine binding site. Zobrist RH, et al. **J Mol Cell Cardiol** 1986 Sep;18(9):963-74

Primate-rodent 3H-MPTP binding differences, and biotransformation of MPTP to a reactive intermediate in vitro. Corsini GU, et al. **J Neural Transm [Suppl]** 1986; 22:55-60

Processing of MPTP by monoamine oxidases: implications for molecular toxicology. Trevor AJ, et al. **J Neural Transm [Suppl]** 1987;23:73-89 (26 ref.)

Autoradiographic localization of [3H]zolpidem binding sites in the rat CNS: comparison with the distribution of [3H]flunitrazepam binding sites. Niddam R, et al. **J Neurochem** 1987 Sep;49(3):890-9

Effect of the binding of isradipine and darodipine to different plasma proteins on their transfer through the rat blood-brain barrier. Drug binding to lipoproteins does not limit the transfer of drug. Urien S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):349-53

Skin colour, MPTP, and Parkinson's disease [letter] Lerner MR, et al. **Lancet** 1987 Jul 25;2(8552):212

The biotransformation of MPTP and disposition of MPP+: the effects of aging. Langston JW, et al. **Life Sci** 1987 Feb 23;40(8):749-54

Bioactivation of MPTP: reactive metabolites and possible biochemical sequelae. Trevor AJ, et al. **Life Sci** 1987 Feb 23;40(8):713-9

Pharmacokinetics of droxicam in rat and dog. Esteve A, et al. **Methods Find Exp Clin Pharmacol** 1986 Jul;8(7):423-9

A comparison between the binding and electrophysiological effects of dihydropyridines on cardiac membranes. Hamilton SL, et al. **Mol Pharmacol** 1987 Mar;31(3):221-31

Correlation between the negative inotropic potency and binding parameters of 1,4-dihydropyridine and phenylalkylamine calcium channel blockers in cat heart. Goll A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov;334(3):303-12

Transport of quinolinic acid into rabbit and rat brain. Kitt TM, et al. **Neurochem Res** 1987 Jul;12(7):625-8

Analogues of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine as monoamine oxidase substrates: a second ring is not necessary. Gibb C, et al. **Neurosci Lett** 1987 May 19; 76(3):316-22

Astrocytes convert the parkinsonism inducing neurotoxin, MPTP, to its active metabolite, MPP+. Ransom BR, et al. **Neurosci Lett** 1987 Apr 10;75(3):323-8

Difference in monoamine oxidase B activity between C57 black and albino NMRI mouse strains may explain differential effects of the neurotoxin MPTP. Zimmer J, et al. **Neurosci Lett** 1987 Aug 5;78(3):253-8

Oxidation of the pyridine ring: a major pathway of metabolism for the rat hepatocarcinogen, methapyrilene. Kammerer RC, et al. **Proc West Pharmacol Soc** 1987; 30:79-83

Biological monitoring of a herbicide applied through backpack and vehicle sprayers. Chester G, et al. **Toxicol Lett** 1986 Oct;33(1-3):137-49

N-methylation of phenylpyridines and bispyridyls as a potential toxication route: tissue distribution of azaheterocycle N-methyltransferase activity in the rabbit. Godin CS, et al. **Toxicol Lett** 1986 Dec;34(2-3):217-22

Doxylamine metabolism in rat and monkey. Ganes DA, et al. **Xenobiotica** 1986 Sep;16(9):781-94

PHARMACODYNAMICS

Effects of nootropic drugs on brain cholinergic and dopaminergic transmission. Pavlik A, et al. **Act Nerv Super (Praha)** 1987 Mar;29(1):62-5

3,4-Dihydroxypyridine: a potential antithyroid drug. Hallengren B, et al. **Acta Endocrinol (Copenh)** 1987 Feb; 114(2):305-7

Effect of zinc pyridinethione on the tissue disposition of nickel and cadmium in mice. Jasim S, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):204-8

Effect of MPTP and its pyridinium metabolites on monoamine uptake and on central catecholamine neurons in mice. Jonsson G, et al. **Acta Physiol Scand** 1986 Oct; 128(2):187-94

Anti-excitotoxic actions of taurine in the rat hippocampus studied in vivo and in vitro. French ED, et al. **Adv Exp Med Biol** 1986;203:349-62

Effect of suicide substrate on the metabolism of steroids and xenobiotics and on cytochrome P-450 apoproteins. Tephly TR, et al. **Adv Exp Med Biol** 1986;197:243-51

Hyperlipemic responses induced by centrally administered histamine H1- and H2-receptor agonists in rats. Bugajski J, et al. **Agents Actions** 1987 Apr;20(3-4):255-7

Investigations on the mode of action of the fungus toxin orellanine on renal cell cultures. Heufler C, et al. **Agents Actions** 1987 Jun;21(1-2):203-8

Hydroxyl radical scavenging action of tinoridine. Shimada O, et al. **Agents Actions** 1986 Nov;19(3-4):208-14

Effects of decreasing concentrations of tropicamide on sector pupil dilation. Chang FW, et al. **Am J Optom Physiol Opt** 1986 Oct;63(10):804-6

Locus ceruleus lesions and eosinophilic inclusions in MPTP-treated monkeys. Forno LS, et al. **Ann Neurol** 1986 Oct;20(4):449-55

Dihydropyridine-sensitive Ca2+ channels and inositol phospholipid metabolism in ethanol physical dependence. Hudspith MJ, et al. **Ann NY Acad Sci** 1987;492:156-70

Pharmacological, hematological, and physiological effects of a new thromboxane synthetase inhibitor (CGS-13080) during cardiopulmonary bypass in dogs. DeCampli WM, et al. **Ann Thorac Surg** 1986 Dec;42(6):690-6

In vitro antiviral activity of the 6-substituted 2-(3',4'-dichlorophenoxy)-2H-pyrano[2,3-b]pyridines MDL 20,610, MDL 20,646, and MDL 20,957. Kenny MT, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):516-8

In vitro and in vivo anti-picornavirus activity of some p-benzoylphenoxypyridines. Kenny MT, et al. **Antiviral Res** 1986 Oct;6(6):355-67

Bronchodilating effect of KC-404, a novel anti-asthmatic agent, and its derivatives in monkey. Mue S, et al. **Arch Int Pharmacodyn Ther** 1986 Sep;283(1):153-62

A new vasodilator 3-isobutyryl-2-isopropylpyrazolo[1,5-a]pyridine (KC-404) has a dual mechanism of action on platelet aggregation. Ohashi M, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):321-34

Counteracting the effects of mydriatics. Does it benefit the patient? Nelson ME, et al. **Arch Ophthalmol** 1987 Apr; 105(4):486-9

Effects of a calcium entry promoting 1,4,5,7-tetrahydro-furo[3,4-b] pyridine derivative on Na+-, Ca2+- and Mg2+-dependent bioelectrical activity of Purkinje fibres and papillary muscles. Gerster P, et al. **Arzneimittelforschung** 1987 Mar;37(3):309-15

Cardiovascular effects of a new dihydropyridine calcium antagonist. Kimura Y, et al. **Arzneimittelforschung** 1986 Sep;36(9):1336-44

Antihypertensive effects of a new dihydropyridine calcium antagonist. Kimura Y, et al. **Arzneimittelforschung** 1986 Sep;36(9):1329-35

Affinity of pyridylalkylamines for nicotinic, muscarinic and histaminic recognition sites in brain tissue preparations. Repond C, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1191-4

Effects of calcium channel activators BAY-K8644 and CGP-28392 on steroidogenesis in granulosa cells of the domestic hen. Asem EK, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):314-20

Inhibition of NADH oxidation by pyridine derivatives. Ramsay RR, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):53-60

N-alkylation of exogenous haem analogues caused by drugs in isolated hepatocytes. Structural isomerism and chirality of the resulting porphyrins. De Matteis F, et al. **Biochem J** 1986 Aug 15;238(1):263-8

Binuclear platinum (II)-terpyridine complexes. A new class of bifunctional DNA-intercalating agent. McFadyen WD, et al. **Biochem J** 1986 Sep 15;238(3):757-63

Oxidation and enzyme-activated irreversible inhibition of rat liver monoamine oxidase-B by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Tipton KF, et al. **Biochem J** 1986 Dec 1;240(2):379-83

Differential sensitivity of calcium channels to dihydropyridines. The modulated receptor hypothesis. Chin JH. **Biochem Pharmacol** 1986 Dec 1;35(23):4115-20 (53 ref.)

The effect of kainic, quinolinic and beta-kainic acids on the release of endogenous amino acids from rat brain slices. Connick JH, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3631-5

Oral versus parenteral efficacy of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP): differential effects on depletion of heart norepinephrine and of striatal dopamine in mice. Fuller RW, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):789-92

An animal model of iron overload and its application to study hepatic ferritin iron mobilization by chelators. Longueville A, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3669-78

Effects of diethylstilbestrol, 2,2'-dithiodipyridine, and chloral hydrate on the esterase activity of sheep liver cytoplasmic aldehyde dehydrogenase. Kitson TM. **Biochemistry** 1986 Aug 12;25(16):4718-24

2-Hydroxypyridine-N-oxides: effective new chelators in iron mobilisation. Kontoghiorghes GJ. **Biochim Biophys Acta** 1987 Apr 16;924(1):13-8

The Hammett equation for a series of pyridines. Andreotti D, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1229-35

Effects of triprolidine and dipipanone in the cold induced

pain test, and the central nervous system of healthy volunteers. Telekes A, et al. **Br J Clin Pharmacol** 1987 Jul;24(1):43–50

Inhibition of myocardial Ca2+ channels by three dihydropyridines with different structural features: potential–dependent blockade by Ro 18–3981. Holck M, et al. **Br J Pharmacol** 1987 May;91(1):61–7

Effects of the calcium channel facilitator, CGP 28,392, on different modes of contraction in smooth muscle of rabbit and rat aortae and guinea–pig taenia caeci. Karaki H, et al. **Br J Pharmacol** 1986 Oct;89(2):423–9

Increase in acetylcholine concentrations in the brain of 'old' rats following treatment with pyrithioxin (Encephabol). Martin KJ, et al. **Br J Pharmacol** 1987 Mar;90(3):561–5

Quinolinic acid does not spare striatal neuropeptide Y–immunoreactive neurons. Boegman RJ, et al. **Brain Res** 1987 Jul 7;415(1):178–82

Saccadic eye movement deficits in the MPTP monkey model of Parkinson's disease. Brooks BA, et al. **Brain Res** 1986 Sep 24;383(1–2):402–7

Effects of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on catecholamines and metabolites in primate brain and CSF. Elsworth JD, et al. **Brain Res** 1987 Jul 14;415(2):293–9

Dihydropyridine chirality at the chromaffin cell calcium channel. Fonteriz RI, et al. **Brain Res** 1987 Apr 7; 408(1–2):359–62

Neuropharmacological actions of kynurenic and quinolinic acids on horizontal cells of the isolated fish retina. Hankins MW, et al. **Brain Res** 1986 Aug 20;380(2):297–302

Hemiparkinsonism in a monkey after unilateral internal carotid artery infusion of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) is associated with regional ipsilateral changes in striatal dopamine D–2 receptor density. Joyce JN, et al. **Brain Res** 1986 Sep 24;382(2):360–4

Aging and 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine–induced degeneration of dopaminergic neurons in the substantia nigra. Ricaurte GA, et al. **Brain Res** 1987 Feb 10; 403(1):43–51

Suppression of mating behaviour in the male rat by intracerebroventricular infusions of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Sirinathsinghji DJ. **Brain Res** 1987 Mar 31;407(2):364–8

Neurochemical changes in the substantiae nigrae and caudate nuclei following acute unilateral intranigral infusions of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP). Sirinathsinghji DJ, et al. **Brain Res** 1986 Dec 10; 399(2):339–45

Histochemical, biochemical and behavioural consequences of MPTP treatment in C–57 black mice. Willis GL, et al. **Brain Res** 1987 Feb 3;402(2):269–74

3–Acetylpyridine lesions and four serotonergic behavioral syndromes in the rat. Pranzatelli MR, et al. **Brain Res Bull** 1987 Feb;18(2):159–63

Astrocyte responses to dopaminergic denervations by 6–hydroxydopamine and 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine as evidenced by glial fibrillary acidic protein immunohistochemistry. Strömberg I, et al. **Brain Res Bull** 1986 Aug;17(2):225–36

Effects of inhibitors of C1q biosynthesis on macrophage Fc receptor subclass–mediated antibody–dependent cellular cytotoxicity and phagocytosis. Mocharla R, et al. **Cell Immunol** 1987 Mar;105(1):127–35

The significance of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Marsden CD, et al. **Ciba Found Symp** 1987;126:239–56 (32 ref.)

The effect of 2,4–dihydroxypyridine–N–oxide, a new orally active iron chelator, on iron excretion in mice. Kontoghiorghes GJ. **Clin Chim Acta** 1987 Mar 16; 163(2):137–41

The neurochemical and clinical effects of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine in small animals. Donnan GA, et al. **Clin Exp Neurol** 1986;22:155–64

MPTP: current concepts and controversies. Langston JW, et al. **Clin Neuropharmacol** 1986;9(6):485–507 (101 ref.)

Effect of betahistine dihydrochloride on induced vestibular nystagmus: a double blind study. Oosterveld WJ. **Clin Otolaryngol** 1987 Apr;12(2):131–5

The comparative effects of verapamil and a new dihydropyridine calcium channel blocker on digoxin pharmacokinetics. Johnson BF, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):66–71

The effects of acrivastine (BW825C), diphenhydramine and terfenadine in combination with alcohol on human CNS performance. Cohen AF, et al. **Eur J Clin Pharmacol** 1987; 32(3):279–88

Pharmacological evidence for the involvement of 1–(2–pyridinyl)–piperazine (1–PmP) in the interaction of buspirone or gepirone with noradrenergic systems. Giral P, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):113–6

Dihydropyridine calcium agonists selectively enhance resistance artery myogenic tone. Hwa JJ, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):231–8

Failure to detect 6–hydroxydopamine in rat striatum after the dopamine releasing drugs dexamphetamine, methylamphetamine and MPTP. Rollema H, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):65–9

Unilateral intranigral injection of MPTP in the rat induces contraversive turning. Welzl H, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):295–7

Norepinephrine modulates seizures induced by quinolinic acid in rats: selective and distinct roles of alpha–adrenoceptor subtypes. Wu HQ, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):309–18

Symposium on a Long Time Clinical Care of Parkinson's Disease. Tokyo, April 12, 1986. Proceedings. **Eur Neurol** 1987;26 Suppl 1:1–56

MPTP: insights into the etiology of Parkinson's disease. Langston JW. **Eur Neurol** 1987;26 Suppl 1:2–10 (40 ref.)

Inhibition of the tyrosine hydroxylase system by MPTP, 1–methyl–4–phenylpyridinium ion (MPP+) and the structurally related compounds in vitro and in vivo. Nagatsu T, et al. **Eur Neurol** 1987;26 Suppl 1:11–5

Similarity and dissimilarity of MPTP models to Parkinson's disease: importance of juvenile parkinsonism. Narabayashi H. **Eur Neurol** 1987;26 Suppl 1:24–9

MPTP–induced parkinsonian model in mice: biochemistry, pharmacology and behavior. Ogawa N, et al. **Eur Neurol** 1987;26 Suppl 1:16–23

Long–term effects of 3–acetylpyridine–induced destruction of cerebellar climbing fibers on Purkinje cell inhibition of vestibulospinal tract cells of the rat. Karachot L, et al. **Exp Brain Res** 1987;66(2):229–46

Kinetic effects of metal ion chelating reagents and their analogues on bovine lens aldehyde dehydrogenase. Hoe ST, et al. **Exp Eye Res** 1987 May;44(5):663–75

Actions of MPTP and MPP+ on synaptic transmission in guinea–pig hippocampal slices. Galvan M, et al. **Exp Neurol** 1987 May;96(2):289–98

Milverine: in vitro and in vivo activity on the animal and human colon. Fossati A, et al. **Farmaco [Prat]** 1986 Sep; 41(9):279–89

Anti–thrombotic effect of KC–404, a novel cerebral vasodilator. Ohashi M, et al. **Gen Pharmacol** 1986; 17(4):385–9

Effect of collidine (2,4,6–trimethylpyridine) on the osmiophilia and chromaffin reaction in the synaptic vesicles of rat pineal nerves. Tomsig JL, et al. **Histochemistry** 1987; 87(1):21–5

Effects of o–phenanthroline, 2,2'–dipyridyl and neocuproine on the activities of bleomycin to inhibit DNA synthesis and growth of cultured cells. Takahashi K, et al. **J Antibiot (Tokyo)** 1986 Oct;39(10):1473–8

Purification and characterization of the dihydropyridine–sensitive voltage–dependent calcium channel from cardiac tissue [published erratum appears in J Biol Chem 1987 Mar 15;262(8):3927] Cooper CL, et al. **J Biol Chem** 1987 Jan 15;262(2):509–12

Human complement proteins D, C2, and B. Active site mapping with peptide thioester substrates. Kam CM, et al. **J Biol Chem** 1987 Mar 15;262(8):3444–51

Monoclonal antibody identifies a 200–kDa subunit of the dihydropyridine–sensitive calcium channel. Morton ME, et al. **J Biol Chem** 1987 Sep 5;262(25):11904–7

Renal effects of dihydropyridine–type calcium antagonists. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S1–79

Modification by dihydropyridine–type calcium antagonists of the renal hemodynamic response to vasoconstrictors. Loutzenhiser R, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S70–5

Comparative pharmacology of 1,4–dihydropyridines and other Ca2+ channel ligands. Scriabine A. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S3–7 (60 ref.)

Dihydropyridine calcium antagonists and agonists in the isolated perfused Dahl rat kidney. Steele TH, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S44–8

Cardiovascular actions of a new dihydropyridine calcium antagonist, 8363–S: comparison with nifedipine and nicardipine in awake, unsedated dogs. Wynsen JC, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):30–7

Interference with thyroid histogenesis by inhibitors of collagen synthesis. Hilfer SR, et al. **J Cell Biol** 1977 Nov; 75(2 Pt 1):446–63

Effects of metyrapone and etomidate on adrenal function and growth rate in female rats. Sillence MN, et al. **J Endocrinol** 1987 Jun;113(3):473–8

Active site chemistry of lysyl oxidase. Govindaraju K, et al. **J Inorg Biochem** 1987 Feb;29(2):111–8

Cardiotonic agents. 1. Novel 8–aryl–substituted imidazo[1,2–a]– and –[1,5–a]pyridines and imidazo[1,5–a]pyridinones as potential positive inotropic agents. Davey D, et al. **J Med Chem** 1987 Aug; 30(8):1337–42

Specific dopamine D–1 and DA1 properties of 4–(mono– and –dihydroxyphenyl)–1,2,3,4–tetrahydroisoquinoline and its tetrahydrothieno[2,3–c]pyridine analogue. Riggs RM, et al. **J Med Chem** 1987 Aug;30(8):1454–8

Inhibitors of dopamine beta–hydroxylase. 3. Some 1–(pyridylmethyl)imidazole–2–thiones. Ross ST, et al. **J Med Chem** 1987 Aug;30(8):1309–13

Effects of 1–methyl–4–phenyl–1,2,5,6–tetrahydropyridine and its metabolite 1–methyl–4–phenylpyridine on acetylcholine synthesis in synaptosomes from rat forebrain. Cheeseman AJ, et al. **J Neurochem** 1987 Apr;48(4):1209–14

Lack of change in basal ganglia neuropeptide content following subacute 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine treatment of the common marmoset. Jenner P, et al. **J Neurochem** 1986 Nov;47(5):1548–51

Dihydropyridine modulation of the chromaffin cell secretory response. Ladona MG, et al. **J Neurochem** 1987 Feb; 48(2):483–90

Effect of quinolinic acid in the nucleus basalis magnocellularis on cortical high–affinity choline uptake. Metcalf RH, et al. **J Neurochem** 1987 Aug;49(2):639–44

Effects of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine and 1–methyl–4–phenylpyridinium ion on activities of the enzymes in the electron transport system in mouse brain. Mizuno Y, et al. **J Neurochem** 1987 Jun;48(6):1787–93

Biochemical events in the development of parkinsonism induced by 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Singer TP, et al. **J Neurochem** 1987 Jul;49(1):1–8

Evaluation of the biological activity of several analogs of the dopaminergic neurotoxin 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Youngster SK, et al. **J Neurochem** 1987 Mar;48(3):929–34

Motor function in the 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine–treated mouse. Donnan GA, et al. **J Neurol Sci** 1987 Feb; 77(2–3):185–91

Long–term effect of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on striatal dopamine content in young and mature mice. Saitoh T, et al. **J Neurol Sci** 1987 Feb;77(2–3):229–35

Blockade of Ca2+ and K+ currents in bag cell neurons of Aplysia californica by dihydropyridine Ca2+ antagonists. Nerbonne JM, et al. **J Neurosci** 1987 Mar; 7(3):882–93

Comparison of the effects of two 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine analogs, 1–methyl–4–(2–thienyl)–1,2,3,6–tetrahydropyridine and 1–methyl–4–(3–thienyl)–1,2,3,6–tetrahydropyridine, on monoamine oxidase in vitro and on dopamine in mouse brain. Fuller RW, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):415–20

Comparison of the effects of a thromboxane synthase inhibitor or prostacyclin in combination with a phosphodiesterase inhibitor for prevention of experimental thrombosis and sudden death in rabbits. Smith EF 3d, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):855–60

The neurotoxins 1–methyl–4–phenylpyridinium and 1–methyl–4–phenyl–1,2,3,6– tetrahydropyridine are substrates for the organic cation transporter in renal brush border membrane vesicles. Sokol PP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):152–7

Cardiovascular responses to a newly developed cardiotonic agent, ZSY–39 [4–methyl–5–(4–pyridinyl)–thiazole–2–carboxyamide] in dog cross–circulated atrial and ventricular preparations. Chiba S, et al. **Jpn Heart J** 1987 Mar;28(2):253–60

The voltage–dependent effect of 1,4–dihydropyridine enantiomers on Ca channels in cardiac cells. Kokubun S, et al. **Jpn Heart J** 1986 Nov;27 Suppl 1:57–63

Inhibitory effects of pyrimidine, barbituric acid and pyridine derivatives on 5–fluorouracil degradation in rat liver extracts. Tatsumi K, et al. **Jpn J Cancer Res** 1987 Jul; 78(7):748–55

Differential responsiveness to 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine toxicity in sub–regions of the primate substantia nigra and striatum. Elsworth JD, et al. **Life Sci** 1987 Jan 12;40(2):193–202

Depletion of norepinephrine in mouse heart by 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) mimicked by 1–methyl–4–phenylpyridinium (MPP+) and not blocked by deprenyl. Fuller RW, et al. **Life Sci** 1986 Nov 3;39(18):1645–50

"In vivo" visualization by positron emission tomography of the progressive striatal dopamine receptor damage occurring in MPTP–intoxicated non–human primates. Hantraye P, et al. **Life Sci** 1986 Oct 13;39(15):1375–82

4–Phenylpyridine (4PP) and MPTP: the relationship between striatal MPP+ concentrations and neurotoxicity. Irwin I, et al. **Life Sci** 1987 Feb 23;40(8):731–40

Determination of monoamines by use of liquid chromatography with electrochemical detection in the study of selective monoamine neurotoxins. Sundström E, et al. **Life Sci** 1987 Aug 17;41(7):857–60

Behavioral and biochemical changes following acute administration of MPTP and MPP+. Tadano T, et al. **Life Sci** 1987 Mar 30;40(13):1309–18

Effects of droxicam on in vivo prostaglandin synthesis and ex vivo platelet aggregation. Esteve J, et al. **Methods Find Exp Clin Pharmacol** 1987 Apr;9(4):209–13

Pharmacological properties of droxicam, a new non–steroidal anti–inflammatory agent. Farré AJ, et al. **Methods Find Exp Clin Pharmacol** 1986 Jul;8(7):407–22

A comparison between the binding and electrophysiological effects of dihydropyridines on cardiac membranes. Hamilton SL, et al. **Mol Pharmacol** 1987 Mar;31(3):221–31

Studies on Ca channels in intact cardiac cells: voltage–dependent effects and cooperative interactions of dihydropyridine enantiomers. Kokubun S, et al. **Mol Pharmacol** 1986 Dec;30(6):571–84

Ferrochelatase–inhibitory activity and N–alkylprotoporphyrin formation with analogues of 3,5–diethoxycarbonyl–1,4–dihydro–2,4,6–trimethylpyridine (DDC) containing extended 4–alkyl groups: implications for the active site of ferrochelatase. McCluskey SA, et al. **Mol Pharmacol** 1986 Oct;30(4):352–7

Widespread distribution of dihydropyridine–sensitive calcium channels in the central nervous system. Thayer SA, et al. **Mol Pharmacol** 1986 Dec;30(6):505–9

Comparative mutagenicity of halogenated pyridines in the

Salmonella typhimurium/mammalian microsome test. Claxton LD, et al. **Mutat Res** 1987 Feb;176(2):185–98

Pyridine prevents the clastogenicity of benzene but not of benzo[a]pyrene or cyclophosphamide. Harper BL, et al. **Mutat Res** 1987 Jul;179(1):23–31

No evidence for preservation of somatostatin–containing neurons after intrastriatal injections of quinolinic acid. Davies SW, et al. **Nature** 1987 May 28–Jun 3; 327(6120):326–9

Direct measurement of proton transfer rates to a group controlling the dihydropyridine–sensitive Ca2+ channel. Prod'hom B, et al. **Nature** 1987 Sep 17–23;329(6136):243–6

The effects of the cardiotonic dihydropyridine derivatives Bay k 8644 and H160/51 on post–rest adaptation of guinea–pig papillary muscles. Beyer T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):488–95

The effect of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on striatal and limbic catecholamine neurones in white and black mice. Antagonism by monoamine oxidase inhibitors. Bradbury AJ, et al. **Neuropharmacology** 1986 Aug;25(8):897–904

Effect of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on levels of glutathione in the extrapyramidal system of the mouse. Ferraro TN, et al. **Neuropharmacology** 1986 Sep;25(9):1071–4

Administration of GM1 ganglioside restores the dopamine content in striatum after chronic treatment with MPTP. Hadjiconstantinou M, et al. **Neuropharmacology** 1986 Sep; 25(9):1075–7

Discriminative stimulus properties of chlordiazepoxide and zolpidem. Agonist and antagonist effects of CGS 9896 and ZK 91296. Sanger DJ, et al. **Neuropharmacology** 1987 May; 26(5):499–505

Time–dependent inhibition of rat brain monoamine oxidase by an analogue of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP), 4–(4–chlorophenyl)–1,2,3,6–tetrahydropyridine. Arai Y, et al. **Neurosci Lett** 1986 Oct 8;70(2):255–60

The ex vivo effect of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) on rat intra– and extraneuronal monoamine oxidase activity. Arai Y, et al. **Neurosci Lett** 1986 Oct 8;70(2):266–71

Aged mice are more sensitive to 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine treatment than young adults. Gupta M, et al. **Neurosci Lett** 1986 Oct 20;70(3):326–31

1–Methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) treatment decreases dopamine and increases lipofuscin in mouse retina. Mariani AP, et al. **Neurosci Lett** 1986 Dec 12;72(2):221–6

Biphasic effect of quinolinate on frog spinal, but not rat cortical, neurones: N–methyl–D–aspartate–like depolarisation and a novel type of hyperpolarisation. Martin D, et al. **Neurosci Lett** 1987 Mar 31;75(2):175–80

Quinolinic acid: an endogenous inhibitor specific for type B monoamine oxidase in human brain synaptosomes. Naoi M, et al. **Neurosci Lett** 1987 Feb 24;74(2):232–6

Manipulation of glutathione contents fails to alter dopaminergic nigrostriatal neurotoxicity of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) in the mouse. Perry TL, et al. **Neurosci Lett** 1986 Oct 8; 70(2):261–5

Changes in lipid peroxidation induced by 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine and 1–methyl–4–phenylpyridinium in mouse brain homogenates. Ríos C, et al. **Neurosci Lett** 1987 Jun 26; 77(3):321–6

1–Methyl–4–phenylpyridinium (MPP+) but not 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) selectively destroys dopaminergic neurons in cultures of dissociated rat mesencephalic neurons. Sanchez–Ramos J, et al. **Neurosci Lett** 1986 Dec 12;72(2):215–20

Intracerebral MPTP injections in the rat cause cell loss in the substantia nigra, ventral tegmental area and dorsal raphe. Takada M, et al. **Neurosci Lett** 1987 Jul 22; 78(2):145–50

Icotidine, an antagonist of histamine at both H1 and H2 receptors. Ganellin CR, et al. **New Engl Reg Allergy Proc** 1986 Mar–Apr;7(2):126–33

Dihydropyridine inhibition of neuronal calcium current and substance P release. Rane SG, et al. **Pflugers Arch** 1987 Aug;409(4–5):361–6

Mechanisms of phenobarbital–type induction of cytochrome P–450 isozymes. Fonné R, et al. **Pharmacol Ther** 1987; 33(1):19–22

Novel dihydropyridine calcium channel antagonists: structural features which extend duration of action. Wołowyk MW, et al. **Proc West Pharmacol Soc** 1987; 30:97–100

The active site of liver alcohol dehydrogenase mechanistic inferences from the binding and turnover of 2–, 3–, and 4–pyridylcarbinols. Pocker Y, et al. **Prog Clin Biol Res** 1987;232:179–87

Antagonistic effect of KC–404, a new anti–asthmatic agent, on leukotriene D4–induced contractile responses in isolated guinea pig smooth muscles. Ohashi M, et al. **Prostaglandins** 1986 Dec;32(6):875–88

Calcium agonists and antagonists of the dihydropyridine type: antinociceptive effects, interference with opiate–mu–receptor agonists and neuropharmacological actions in rodents. Hoffmeister F, et al. **Psychopharmacology (Berlin)** 1986;90(3):299–307

Effects of zolpidem, a new imidazopyridine hypnotic, on the acquisition of conditioned fear in mice. Comparison with triazolam and CL 218,872. Sanger DJ, et al. **Psychopharmacology (Berlin)** 1986;90(2):207–10

Depletion of heart norepinephrine in mice by some analogs of MPTP (1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine). Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1987 May;56(2):147–56

Persistent depletion of striatal dopamine in mice by m–hydroxy–MPTP. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):167–72

MPTP potentiates iron–induced lipid peroxidation without the involvement of free radicals derived from oxygen. Poirier J, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jun;56(3):387–99

Tay–Sachs disease, Alzheimer's disease and the cholinergic hypothesis [letter] Tucker L. **S Afr Med J** 1986 Dec 20; 70(13):847

Voltage–dependent binding and action of 1,4–dihydropyridine enantiomers in intact cardiac cells. Reuter H, et al. **Soc Gen Physiol Ser** 1987;41:189–99

Prolongation of platelet survival in hypercholesterolaemic rabbits by CGS 12970 (3–methyl–2–(3–pyridyl)–1 indoleoctanoic acid) and dazoxiben. Butler KD, et al. **Thromb Res** 1987 Mar 15;45(6):751–61

Anti–atherogenic activity of the calcium channel blocker isradipine (PN–200–110): a novel effect on matrix synthesis independent of calcium channel blockade. Heider JG, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 5):96–101 (29 ref.)

[Effect of N–ethyl–N–(4–pyridylmethyl)tropamide (Mydriaticum Roche) on the results of the Schirmer test] Rieger G. **Klin Monatsbl Augenheilkd** 1987 Feb; 190(2):135–8 (Eng. Abstr.) **(Ger)**

[Inhibitory effect on delta 5–3 beta–hydroxysteroid dehydrogenase, delta 4–delta 5–isomerase and 17 alpha–hydroxylase activities of pig adrenal microsomes by various inhibitors of steroid metabolizing enzyme and steroids] Nishimura K, et al. **Yakugaku Zasshi** 1986 Sep; 106(9):818–24 (Eng. Abstr.) **(Jpn)**

[Changes in cat behavior as affected by intracerebral microinjections of kynurenine and quinolinic acid] Dutov AA, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):445–7 (Eng. Abstr.) **(Rus)**

[Changes in the cyclic nucleotide level and the inhibition of human thrombocyte aggregation in 3–hydroxypyridine exposure] Muranov KO, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):432–4 (Eng. Abstr.) **(Rus)**

[Geropsychotropic properties of an antioxidant of the 3–hydroxypyridine class in an experiment] Voronina TA, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):307–10 (Eng. Abstr.) **(Rus)**

[Role of the GABA– and cholinergic systems in the formation of a dissociated state to an antioxidant of the 3–hydroxypyridine class] Voronina TA, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):66–8 (Eng. Abstr.) **(Rus)**

[Potentiating effect of disodium salt of 2,6–dimethyl–1,4–dihydropyridine–3,5–bis–carbonyl hydroxyacetic acid on the activity of various antitumor agents] Zidermane AA, et al. **Eksp Onkol** 1987;9(2):50–2 (Eng. Abstr.) **(Rus)**

[Behavioral and EEG signs of the convulsive action of kynurenine and quinolinic acid in cats] Dutov AA, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):33–6 (Eng. Abstr.) **(Rus)**

[Relationship between the chemical structure and anticonvulsant activity of 3–hydroxypyridine derivatives] Voronina TA, et al. **Farmakol Toksikol** 1986 Nov–Dec; 49(6):27–31 (Eng. Abstr.) **(Rus)**

[Effect of foridon on 45Ca uptake in isolated blood vessels] Zarin'sh GV, et al. **Farmakol Toksikol** 1986 Jul–Aug; 49(4):43–5 (Eng. Abstr.) **(Rus)**

[Enhancement of erythrocyte hemolytic resistance by derivatives of nitrogenous heterocycles] Braginskaia FI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Jan–Feb;(1):154–60 **(Rus)**

PHYSIOLOGY

Quinolinic acid: a pathogen in seizure disorders? Schwarcz R, et al. **Adv Exp Med Biol** 1986;203:697–707

POISONING

Saccade responses to dopamine in human MPTP–induced parkinsonism. Hotson JR, et al. **Ann Neurol** 1986 Oct; 20(4):456–63

Effects of MPTP poisoning on central somatostatin and substance P levels in the mouse. Radke JM, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):105–8

Rhabdomyolysis in doxylamine overdose [letter] Köppel C, et al. **Lancet** 1987 Feb 21;1(8530):442–3

THERAPEUTIC USE

Thromboxane synthetase inhibition with CGS 13080 improves coronary blood flow after streptokinase–induced thrombolysis. Mickelson JK, et al. **Am Heart J** 1987 Jun; 113(6):1345–52

Antioxidants as antiarrhythmic drugs. Frolkis VV, et al. **Cardiology** 1987;74(2):124–32

Thromboxane synthetase inhibition in primary pulmonary hypertension. Rich S, et al. **Chest** 1987 Mar;91(3):356–60

Antihypertensive activity of isradipine in humans: a new dihydropyridine calcium channel antagonist. Nelson EB, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):694–7

A double–blind crossover study comparing betahistine and cinnarizine in the treatment of recurrent vertigo in patients in general practice. Deering RB, et al. **Curr Med Res Opin** 1986;10(4):209–14

Terfenadine and brompheniramine maleate in urticaria and dermographism. Ormerod AD, et al. **Dermatologica** 1986; 173(1):5–8

A comparative randomized double–blind clinical trial of hexapneumine and clistine as antitussive agents. Chakrabarti A, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jun;25(6):310–2

Renal effects of 1,4–dihydropyridines in animal models of hypertension and renal failure. Garthoff B, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S8–13

Controlled trial of the action of a toothpaste containing nicomethanol hydrofluoride in the treatment of dentine hypersensitivity. Lecointre C, et al. **J Int Med Res** 1986; 14(4):217–22

Potentiation of the protective effects of a converting enzyme inhibitor and a thromboxane synthetase inhibitor in hemorrhagic shock. Bitterman H, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):8–14

Potentiation of hydroxyurea cytotoxicity in human chronic myeloid leukemia cells by iron–chelating agent. Satyamoorthy K, et al. **Leuk Res** 1986;10(11):1327–30

On the effects of pyritinol on functional deficits of patients with organic mental disorders. Herrmann WM, et al. **Pharmacopsychiatry** 1986 Sep;19(5):378–85

Additive beneficial effects of two inhibitors of vasoconstrictor mediators in acute myocardial ischemia. Bitterman H, et al. **Proc Soc Exp Biol Med** 1987 Jul; 185(3):262–6

[Erythrocyte deformability and aggregation. Modification by pyritinol in patients with acute cerebral ischemia] Wieding JU, et al. **Fortschr Med** 1987 Mar 20;105(8):157–8 (Eng. Abstr.) **(Ger)**

[Electrophysiological and biochemical mechanisms of the anticonvulsant action of an antioxidant of the 3–hydroxypyridine class] Nerobkova LN, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):663–5 **(Rus)**

[Characteristics of the antihypoxic properties of 3–hydroxypyridine–class antioxidants] Tilekeeva UM, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):74–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Determination and visualization of damage to striatal dopaminergic terminals in 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine–induced parkinsonism by [18F]–labeled 6–fluoro–L–dopa and positron emission tomography. Chiueh CC, et al. **Adv Neurol** 1987;45:167–9

Endogenous analogs of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine: indoleamine derived tetrahydro–beta–carbolines as potential causative factors in Parkinson's disease. Collins MA, et al. **Adv Neurol** 1987;45:179–82

Ro 16–6491: a new reversible and highly selective MAO–B inhibitor protects mice from the dopaminergic neurotoxicity of MPTP. Da Prada M, et al. **Adv Neurol** 1987;45:175–8

Pathology of MPTP in the marmoset. Gibb WR, et al. **Adv Neurol** 1987;45:187–90

Studies on the mechanism of the dopaminergic neurotoxicity of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Heikkila RE, et al. **Adv Neurol** 1987;45:149–52

MPTP–induced parkinsonism in the common marmoset: behavioral and biochemical effects. Jenner P, et al. **Adv Neurol** 1987;45:183–6

Tissue culture model for studying MPTP toxicity to dopamine neurons. Mytilineou C, et al. **Adv Neurol** 1987; 45:145–8

Changes in the local cerebral metabolic rate for glucose in the MPTP primate model of Parkinson's disease. Schwartzman RJ, et al. **Adv Neurol** 1987;45:171–3

Parkinson's disease: current view. Langston JW. **Am Fam Physician** 1987 Mar;35(3):201–6

Comparative toxicity and antioxidant activity of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine and its monoamine oxidase B–generated metabolites in isolated hepatocytes and liver microsomes. Ekström G, et al. **Arch Biochem Biophys** 1987 May 15;255(1):14–8

MPTP fails to induce lipid peroxidation in vivo. Corongiu FP, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2251–3

Reversible serotoninergic neurotoxicity of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) in mouse striatum studied by neurochemical and immunohistochemical approaches. Hara K, et al. **Brain Res** 1987 May 5;410(2):371–4

Effect of serotonergic, corticostriatal and kainic acid lesions on the dopaminergic neurotoxicity of 1–methyl–4–phenyl–1,2,5,6–tetrahydropyridine (MPTP) in mice. Melamed E, et al. **Brain Res** 1986 Dec 3; 399(1):178–80

Selective loss of subpopulations of ventral mesencephalic dopaminergic neurons in the monkey following exposure to MPTP. Schneider JS, et al. **Brain Res** 1987 May 12; 411(1):144–50

Studies on the effect of
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on central catecholamine neurons in C57BL/6 mice. Comparison with three other strains of mice. Sundström E, et al. **Brain Res** 1987 Mar 3;405(1):26–38

Localization of neurotensin receptors in the forebrain of the common marmoset and the effects of treatment with the neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Waters CM, et al. **Brain Res** 1987 Jun 2;412(2):244–53

Factors influencing the expression of endogenous retrovirus-related sequences in the liver of B6C3 mice. Dragani TA, et al. **Cancer Res** 1987 Feb 1;47(3):795–8

Role of 1-methyl-4-phenylpyridinium ion formation and accumulation in
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine toxicity to isolated hepatocytes. Di Monte D, et al. **Chem Biol Interact** 1987;62(2):105–16

Structure-activity relationships of selected pyridines. III. Log Kow analysis. Schultz TW, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):76–83

Effect of increasing regimens of levodopa on chronic MPTP-induced parkinsonism in monkey; mechanographic and electromyographic data. Doudet D, et al. **Electromyogr Clin Neurophysiol** 1986 Dec;26(8):711–27

Different toxicity of
N-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP) on the nigrostriatal and mesolimbic pathways. Ambrosio S, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):239–41

D-1 dopamine receptor changes after striatal quinolinic acid lesion. Barone P, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):141–5

Diphenylhydantoin and phenobarbital suppress the dopaminergic neurotoxicity of MPTP in mice. Melamed E, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):255–7

Kinetics of [3H]MPP+ uptake in dopaminergic neurons of mouse: regional effects of MPTP neurotoxicity. Sershen H, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):337–9

The influence of dose and dosing interval on MPTP-induced dopaminergic neurotoxicity in mice. Sonsalla PK, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):339–45

Pathophysiology and biochemical mechanisms involved in MPTP-induced parkinsonism. Poirier J. **J Am Geriatr Soc** 1987 Jul;35(7):660–8

A dopaminergic cell line variant resistant to the neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Denton T, et al. **J Neurochem** 1987 Aug;49(2):622–30

On the mechanisms underlying
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine neurotoxicity: the effect of perinigral infusion of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, its metabolite and their analogs in the rat. Harik SI, et al. **J Pharmacol Exp Ther** 1987 May;241(2):669–76

Anticonvulsant drugs effective against human temporal lobe epilepsy prevent seizures but not neurotoxicity induced in rats by quinolinic acid: electroencephalographic, behavioral and histological assessments. Vezzani A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):256–63

Current concepts in molecular mechanisms of
MPTP-induced toxicity. **Life Sci** 1987 Feb 23; 40(8):697–754

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) neurotoxicity in mice is enhanced by ethanol or acetaldehyde. Corsini GU, et al. **Life Sci** 1987 Mar 2; 40(9):827–32

Neuromelanin: a role in MPTP-induced neurotoxicity. D'Amato RJ, et al. **Life Sci** 1987 Feb 23;40(8):705–12

4-Phenylpyridine (4PP) and MPTP: the relationship between striatal MPP+ concentrations and neurotoxicity. Irwin I, et al. **Life Sci** 1987 Feb 23;40(8):731–40

The development of amine substituted analogues of MPTP as unique tools for the study of MPTP toxicity and Parkinson's disease. Johannessen JN, et al. **Life Sci** 1987 Feb 23;40(8):697–704

MPTP, MPP+ and mitochondrial function. Nicklas WJ, et al. **Life Sci** 1987 Feb 23;40(8):721–9

Acute effects of a parkinsonism-inducing neurotoxin, 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on mouse body temperature. Satoh N, et al. **Life Sci** 1987 Sep 14;41(11):1415–24

Studies on the mechanism of
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine cytotoxicity in isolated hepatocytes. Smith MT, et al. **Life Sci** 1987 Feb 23;40(8):741–8

The pharmacology of the parkinsonian syndrome producing neurotoxin MPTP
(1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) and structurally related compounds. Markey SP, et al. **Med Res Rev** 1986 Oct-Dec;6(4):389–429 (225 ref.)

Evidence for neuromelanin involvement in MPTP-induced neurotoxicity. D'Amato RJ, et al. **Nature** 1987 May 28–Jun 3;327(6120):324–6

Older dopaminergic neurons do not recover from the effects of MPTP. Ricaurte GA, et al. **Neuropharmacology** 1987 Jan;26(1):97–9

4-phenylpyridine and three other analogues of
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine lack dopaminergic nigrostriatal neurotoxicity in mice and marmosets. Perry TL, et al. **Neurosci Lett** 1987 Mar 20; 75(1):65–70

Paraquat and two endogenous analogues of the neurotoxic substance N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine do not damage dopaminergic nigrostriatal neurons in the mouse. Perry TL, et al. **Neurosci Lett** 1986 Sep 12; 69(3):285–9

Correlation of
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine neurotoxicity with blood-brain barrier monoamine oxidase activity. Kalaria RN, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3521–5

Two-stage liver carcinogenesis in the mouse. Della Porta G, et al. **Toxicol Pathol** 1987;15(2):229–33

Mutagenicity of MPTP
(1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) and its metabolites. Cashman JR. **Toxicology** 1987 Feb; 43(2):173–82

Isolation and nephrotoxic studies of orellanine from the mushroom Cortinarius speciosissimus. Holmdahl J, et al. **Toxicon** 1987;25(2):195–9

Phytotoxicity of orellanine, a mushroom toxin. Richard JM, et al. **Toxicon** 1987;25(3):350–4

[Parkinsonism and MPTP (methylphenyltetrahydropyridine)] Nagatsu T. **No To Shinkei** 1986 Jul;38(7):706–7 **(Jpn)**

PYRIDINIUM COMPOUNDS

Studies on the decomposition of the oxime HI 6 in aqueous solution. Eyer P, et al. **Arch Toxicol** 1986 Dec;59(4):266–71

Chemically induced Parkinson's disease: intermediates in the oxidation of
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine to the 1-methyl-4-phenyl-pyridinium ion. Chacon JN, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):957–64

Mechanism of oxidation of
1-methyl-4-phenyl-2,3-dihydropyridinium (MPDP+). Korytowski W, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):692–8

Evidence for the one-electron oxidation of
1-methyl-4-phenyl-2,3-dihydropyridinium (MPDP+). Korytowski W, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):354–60

Insertion of amphiphilic molecules into membranes is catalyzed by a high molecular weight non-ionic surfactant. Lojewska Z, et al. **Biochim Biophys Acta** 1987 May 12; 899(1):104–12

Pyridinium crosslinks of bone collagen and their location in peptides isolated from rat femur. Robins SP, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):233–9

ANALYSIS

A fluorometric determination of
N-methyl-4-phenylpyridinium ion, using high-performance liquid chromatography. Naoi M, et al. **Anal Biochem** 1987 May 1;162(2):540–5

Liquid membrane ion-selective electrodes for diquat and paraquat. Moody GJ, et al. **Analyst** 1987 Feb;112(2):121–7

BLOOD

Uptake, metabolism and subcellular localization of MPTP and MPP+ in blood platelets. Da Prada M, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:347–9

Comparison of serum concentrations of the acetylcholinesterase oxime reactivators HI-6, obidoxime, and PAM to efficacy against sarin (isopropyl methylphosphonofluoridate) poisoning in rats. Shiloff JD, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):278–80

CHEMICAL SYNTHESIS

Synthesis and antimicrobial activity of cephalosporins with a 1-pyridinium substituent carrying a 5-membered heterocycle at the C-3 position. Ejima A, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):43–8

Antiradiation compounds. 20. 1-Methylquinolinium(and pyridinium)-2-dithioacetic acid derivatives. Foye WO, et al. **J Med Chem** 1987 Jan;30(1):57–62

DIAGNOSTIC USE

Fluorescent styryl dyes applied as fast optical probes of cardiac action potential. Müller W, et al. **Eur Biophys J** 1986;14(2):103–11

Visualization of neuromuscular junctions over periods of several months in living mice. Lichtman JW, et al. **J Neurosci** 1987 Apr;7(4):1215–22

IMMUNOLOGY

[Effect of heparin on the immunogenicity of electrostatic covalent albumin complexes with synthetic polyions. Immunogenicity of the triple covalent complex polyelectrolyte-protein-heparin] Petrov RV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):30–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Pharmacokinetics and pharmacodynamics of the oxime HI6 in dogs. Klimmek R, et al. **Arch Toxicol** 1986 Dec; 59(4):272–8

Role of 1-methyl-4-phenylpyridinium ion formation and accumulation in
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine toxicity to isolated hepatocytes. Di Monte D, et al. **Chem Biol Interact** 1987;62(2):105–16

High affinity binding sites for 1-methyl-4-phenyl-pyridinium ion (MPP+) are present in mouse brain. Del Zompo M, et al. **Eur J Pharmacol** 1986 Sep 23;129(1-2):87–92

Kinetics of [3H]MPP+ uptake in dopaminergic neurons of mouse: regional effects of MPTP neurotoxicity. Sershen H, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):337–9

Uptake, release, and subcellular localization of
1-methyl-4-phenylpyridinium in blood platelets. Cesura AM, et al. **J Neurochem** 1987 Jul;49(1):138–45

Characterization of the binding of
N-methyl-4-phenylpyridine, the toxic metabolite of the parkinsonian neurotoxin
N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, to neuromelanin. D'Amato RJ, et al. **J Neurochem** 1987 Feb; 48(2):653–8

Effect of ascorbic acid on the synaptosomal uptake of [3H]MPP+, [3H]dopamine, and [14C]GABA. Sershen H, et al. **J Neurosci Res** 1987;17(3):298–301

The biotransformation of MPTP and disposition of MPP+: the effects of aging. Langston JW, et al. **Life Sci** 1987 Feb 23;40(8):749–54

Interactions of the
1-methyl-4-phenyl-2,3-dihydropyridinium species with synthetic dopamine-melanin. Wu EY, et al. **Life Sci** 1986 Nov 3;39(18):1695–700

Pharmacokinetics of besulpamide in rats and dogs. Esteve J, et al. **Methods Find Exp Clin Pharmacol** 1987 Feb; 9(2):121–6

Astrocytes convert the parkinsonism inducing neurotoxin, MPTP, to its active metabolite, MPP+. Ransom BR, et al. **Neurosci Lett** 1987 Apr 10;75(3):323–8

PHARMACODYNAMICS

Inhibition of mitochondrial alpha-ketoglutarate dehydrogenase by 1-methyl-4-phenylpyridinium ion. Mizuno Y, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):971–6

Inhibition of mitochondrial NADH-ubiquinone oxidoreductase activity by 1-methyl-4-phenylpyridinium ion. Mizuno Y, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):294–9

Inhibition of NADH oxidation by pyridine derivatives. Ramsay RR, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):53–60

N-acetylcysteine and glutathione-dependent protective effect of PZ51 (Ebselen) against diquat-induced cytotoxicity in isolated hepatocytes. Cotgreave IA, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2899–904

The effects of pyridinium salts, structurally related compounds of 1-methyl-4-phenylpyridinium ion (MPP+), on tyrosine hydroxylation in rat striatal tissue slices. Hirata Y, et al. **Brain Res** 1986 Nov 12;397(2):341–4

Failure to detect 6-hydroxydopamine in rat striatum after the dopamine releasing drugs dexamphetamine, methylamphetamine and MPTP. Rollema H, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):65–9

Inhibition of the tyrosine hydroxylase system by MPTP, 1-methyl-4-phenylpyridinium ion (MPP+) and the structurally related compounds in vitro and in vivo. Nagatsu T, et al. **Eur Neurol** 1987;26 Suppl 1:11–5

Actions of MPTP and MPP+ on synaptic transmission in guinea-pig hippocampal slices. Galvan M, et al. **Exp Neurol** 1987 May;96(2):289–98

Effects of 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine and its metabolite 1-methyl-4-phenylpyridine on acetylcholine synthesis in synaptosomes from rat forebrain. Cheeseman AJ, et al. **J Neurochem** 1987 Apr;48(4):1209–14

Effects of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and 1-methyl-4-phenylpyridinium ion on activities of the enzymes in the electron transport system in mouse brain. Mizuno Y, et al. **J Neurochem** 1987 Jun;48(6):1787–93

Effect of N-methyl-4-phenylpyridinium ion on monoamine oxidase in a clonal rat pheochromocytoma cell line, PC12h. Naoi M, et al. **J Neurochem** 1987 Jun;48(6):1912–6

The neurotoxins 1-methyl-4-phenylpyridinium and 1-methyl-4-phenyl-1,2,3,6- tetrahydropyridine are substrates for the organic cation transporter in renal brush border membrane vesicles. Sokol PP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):152–7

CV-6209, a highly potent antagonist of platelet activating factor in vitro and in vivo. Terashita Z, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):263–8

Depletion of norepinephrine in mouse heart by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) mimicked by 1-methyl-4-phenylpyridinium (MPP+) and not blocked by deprenyl. Fuller RW, et al. **Life Sci** 1986 Nov 3;39(18):1645–50

Behavioral and biochemical changes following acute administration of MPTP and MPP+. Tadano T, et al. **Life Sci** 1987 Mar 30;40(13):1309–18

Pharmacological properties of besulpamide, a new diuretic, in rats and dogs. Colombo M, et al. **Methods Find Exp Clin Pharmacol** 1987 Feb;9(2):101–10

Effect of fazadinium on respiratory functions and its correlation with neuromuscular transmission in children. Esener Z. **Middle East J Anesthesiol** 1987 Feb;9(1):97–107

Time-dependent inhibition of rat brain monoamine oxidase by an analogue of
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP), 4-(4-chlorophenyl)-1,2,3,6-tetrahydropyridine. Arai Y, et al. **Neurosci Lett** 1986 Oct 8;70(2):255–60

Changes in lipid peroxidation induced by
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and 1-methyl-4-phenylpyridinium in mouse brain

homogenates. Ríos C, et al. **Neurosci Lett** 1987 Jun 26; 77(3):321–6

1–Methyl–4–phenylpyridinium (MPP+) but not 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) selectively destroys dopaminergic neurons in cultures of dissociated rat mesencephalic neurons. Sanchez–Ramos J, et al. **Neurosci Lett** 1986 Dec 12;72(2):215–20

Inhibition of type A monoamine oxidase by 1–methyl–4–phenylpyridine. Takamidoh H, et al. **Neurosci Lett** 1987 Jan 27;73(3):293–7

Increased sensitivity of mice to tremorogenic agents following MPP+. Wagner GC, et al. **Psychopharmacology (Berlin)** 1987;92(4):470–2

TOXICITY

Comparative toxicity and antioxidant activity of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine and its monoamine oxidase B–generated metabolites in isolated hepatocytes and liver microsomes. Ekström G, et al. **Arch Biochem Biophys** 1987 May 15;255(1):14–8

Effect of BCNU pretreatment on diquat–induced oxidant stress and hepatotoxicity. Smith CV. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):415–21

Lethal effects of diquat and paraquat on developing frog embryos and 15–day–old tadpoles, Rana pipiens. Dial NA, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1006–11

1–Methyl–4–phenylpyridine (MPP+): regional dopamine neuron uptake, toxicity, and novel rotational behavior following dopamine receptor proliferation. Altar CA, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):199–209

MPP+ (1–methyl–4–phenylpyridine) is a neurotoxin to dopamine–, norepinephrine– and serotonin–containing neurons. Namura I, et al. **Eur J Pharmacol** 1987 Apr 7; 136(1):31–7

Brain dialysis in conscious rats reveals an instantaneous massive release of striatal dopamine in response to MPP+. Rollema H, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):345–6

Uptake inhibition protects nigro–striatal dopamine neurons from the neurotoxicity of 1–methyl–4–phenylpyridine (MPP+) in mice. Sundström E, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):289–92

Bipyridylium herbicide toxicity: effects of paraquat and diquat on isolated rat hepatocytes. Suleiman SA, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan–Feb;7(3):73–84

4–Phenylpyridine (4PP) and MPTP: the relationship between striatal MPP+ concentrations and neurotoxicity. Irwin I, et al. **Life Sci** 1987 Feb 23;40(8):731–40

MPTP, MPP+ and mitochondrial function. Nicklas WJ, et al. **Life Sci** 1987 Feb 23;40(8):721–9

Acute, subacute and subchronic toxicity of besulpamide. Demestre I, et al. **Methods Find Exp Clin Pharmacol** 1987 Feb;9(2):111–9

URINE

Identification of two metabolites of the cholinesterase reactivator HI–6 isolated from rat urine. Ligtenstein DA, et al. **J Pharm Pharmacol** 1987 Jan;39(1):17–23

PYRIDINOLCARBAMATE see under **CARBAMATES**

PYRIDINONES see **PYRIDONES**

PYRIDONES

ADMINISTRATION & DOSAGE

Hemodynamic and regional blood flow response to milrinone in patients with severe congestive heart failure: a dose–ranging study. Fitzpatrick PG, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):97–105

Survival in severe left ventricular failure treated with the new nonglycosidic, nonsympathomimetic oral inotropic agents. Simonton CA, et al. **Chest** 1987 Jul;92(1):118–23

1,2–Dimethyl–3–hydroxypyrid–4–one, an orally active chelator for treatment of iron overload. Kontoghiorghes GJ, et al. **Lancet** 1987 Jun 6;1(8545):1294–5

ADVERSE EFFECTS

Contact dermatitis due to cyclopyroxolamine. Goitre M, et al. **Contact Dermatitis** 1986 Aug;15(2):94–5

ANALYSIS

Stability of milrinone in 0.45% sodium chloride, 0.9% sodium chloride, or 5% dextrose injections. Wilson TD, et al. **Am J Hosp Pharm** 1986 Sep;43(9):2218–20

Liquid chromatographic determination of fluridone aquatic herbicide and its metabolite in fish and crayfish. West SD, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):856–9

CHEMICAL SYNTHESIS

Quinolonecarboxylic acids. 2. Synthesis and antibacterial evaluation of 7–oxo–2,3–dihydro–7H–pyrido[1,2,3–de][1,4]benzothiazine–6–carboxylic acids. Cecchetti V, et al. **J Med Chem** 1987 Mar;30(3):465–73

Cardiotonic agents. 5. 1,2–Dihydro–5–[4–(1H–imidazol–1–yl)phenyl]–6–methyl–2–oxo–3– pyridinecarbonitriles and related compounds. Synthesis and inotropic activity. Sircar I, et al. **J Med Chem** 1987 Jun;30(6):1023–9

[Pyridonecarboxylic acids as antibacterial agents. I. Synthesis and structure–activity relationship of 1–aryl–6–(4–dimethylaminophenyl)–4–pyridone–3–carboxylic acids] Narita H, et al. **Yakugaku Zasshi** 1986 Sep;106(9):775–81 (Eng. Abstr.) **(Jpn)**

METABOLISM

Successful transfer of DHP–degrading bacteria from Hawaiian goats to Australian ruminants to overcome the toxicity of Leucaena. Jones RJ, et al. **Aust Vet J** 1986 Aug; 63(8):259–62

PHARMACODYNAMICS

Acute and subacute hemodynamic effects of enalaprilat, milrinone and combination therapy in rats with chronic left ventricular dysfunction. Emmert SE, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):297–306

Inhibition of carotenoid accumulation and abscisic acid biosynthesis in fluridone–treated dark–grown barley. Gamble PE, et al. **Eur J Biochem** 1986 Oct 1;160(1):117–21

Comparative study of cardiovascular profiles of milrinone and amrinone by use of isolated, blood–perfused dog heart preparations. Sato Y, et al. **Heart Vessels** 1986;2(4):213–20

Assessment of left ventricular end–systolic pressure–volume relations with an impedance catheter and transient inferior vena cava occlusion: use of this system in the evaluation of the cardiotonic effects of dobutamine, milrinone, Posicor and epinephrine. McKay RG, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1152–60

Central and regional vascular hemodynamics following intravenous milrinone in the conscious rat: comparison with dobutamine. Drexler H, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):563–9

Effect of autonomic blockade on the hemodynamic responses of normal human subjects to acute intravenous milrinone. Hasking GJ, et al. **J Cardiovasc Pharmacol** 1987 May; 9(5):515–8

Cardiotonic agent milrinone stimulates resorption in rodent bone organ culture. Krieger NS, et al. **J Clin Invest** 1987 Feb;79(2):444–8

Iron chelation studies using desferrioxamine and the potential oral chelator, 1,2–dimethyl–3–hydroxypyrid–4–one, in normal and iron loaded rats. Kontoghiorghes GJ, et al. **J Clin Pathol** 1987 Apr;40(4):404–8

Cardiotonic agents. 1. Novel 8–aryl–substituted imidazo[1,2–a]– and –[1,5–a]pyridines and imidazo[1,5–a]pyridinones as potential positive inotropic agents. Davey D, et al. **J Med Chem** 1987 Aug; 30(8):1337–42

Mechanism of the positive inotropic effect of milrinone in cultured embryonic chick ventricular cells. Olson EM, et al. **J Mol Cell Cardiol** 1987 Jan;19(1):95–104

Dog model to study the effects of pharmacologic agents on the peripheral circulation: effects of milrinone. Lee RW, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):1014–9

Inhibition of cyclic AMP–dependent protein kinase activity by the cardiotonic drugs amrinone and milrinone. Earl CQ, et al. **Life Sci** 1986 Nov 17;39(20):1901–8

Effect of 3–hydroxy–4–1(H)pyridone on the basal and thyrotropin–releasing hormone–stimulated release of thyroid–stimulating hormone from perifused anterior pituitary fragments. Li PH. **Life Sci** 1987 Sep 28; 41(13):1645–50

Orally active alpha–ketohydroxypyridine iron chelators: studies in mice. Kontoghiorghes GJ. **Mol Pharmacol** 1986 Dec;30(6):670–3

The effect of ciclopiroxolamine investigated by means of the freeze–fracture technique. Gasparini G, et al. **Mykosen** 1986 Nov;29(11):539–44

The positive inotropic response to milrinone in isolated human and guinea pig myocardium. Brown L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):196–201

In vivo and in vitro effects of amrinone and milrinone on hepatic xenobiotic metabolism in rats. Raza H, et al. **Pharmacology** 1987;35(2):79–87

[Interaction of amrinone and milrinone with endogenous adenosine in isolated atria of goats] Dorigo P, et al. **Cardiologia** 1987 Mar;32(3):293–9 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Comparison of intravenous milrinone and dobutamine for congestive heart failure secondary to either ischemic or dilated cardiomyopathy. Biddle TL, et al. **Am J Cardiol** 1987 Jun 1;59(15):1345–50

Effect of milrinone on acute myocardial infarct size. Campbell CA, et al. **Am J Cardiol** 1987 Aug 1;60(4):422–3

Effects of milrinone on complex ventricular arrhythmias in congestive heart failure secondary to ischemic or idiopathic dilated cardiomyopathy. Ludmer PL, et al. **Am J Cardiol** 1987 Jun 1;59(15):1351–5

Exercise responses before and after long–term treatment with oral milrinone in patients with severe heart failure. Ribeiro JP, et al. **Am J Med** 1986 Nov;81(5):759–64

Periodic breathing during exercise in severe heart failure. Reversal with milrinone or cardiac transplantation. Ribeiro JP, et al. **Chest** 1987 Sep;92(3):555–6

Efficacy and safety of sustained (48 hour) intravenous infusions of milrinone in patients with severe congestive heart failure: a multicenter study. Anderson JL, et al. **J Am Coll Cardiol** 1987 Apr;9(4):711–22

Multicentre double–blind clinical trials of ciclopirox olamine cream 1% in the treatment of tinea corporis and tinea cruris. Bogaert H, et al. **J Int Med Res** 1986;14(4):210–6

Additive positive inotropic effects of milrinone, ouabain and calcium in diseased human ventricular myocardium. Brown L, et al. **Klin Wochenschr** 1986 Aug 1;64(15):708–12

Myocardial and vascular effects of intracoronary versus intravenous milrinone. Colucci WS, et al. **Trans Assoc Am Physicians** 1985;98:136–45

[Treatment of dermatomycoses with ciclopiroxolamine] Szepes E, et al. **Mykosen** 1986 Aug;29(8):382–6 (Eng. Abstr.) **(Ger)**

[Anti–pityriasis activity of a line of products containing piroctone olamine] Bartalini P, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):XI–XIX (Eng. Abstr.) **(Ita)**

[Multicenter evaluation of the activity and tolerance of a new antimycotic agent: ciclopiroxolamine] Cattaneo M, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec; 121(6):LXXXI–LXXXV (Eng. Abstr.) **(Ita)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. c. Pseudomonas infections] Oizumi K. **Nippon Rinsho** 1987 Mar;45(3):526–30 (22 ref.) **(Jpn)**

PYRIDOSTIGMINE BROMIDE

ADVERSE EFFECTS

Treatment of myasthenia gravis with pyridostigmine [letter] Grogan WA. **Arch Neurol** 1987 Oct;44(10):995–6

BLOOD

Quantitative correlation between plasma pyridostigmine levels and neuromuscular function in myasthenia gravis. Milner–Brown HS, et al. **Neurology** 1987 May;37(5):800–3

PHARMACODYNAMICS

Potentiation of cholinergic tone by pyridostigmine bromide re–instates and potentiates the growth hormone responsiveness to intermittent administration of growth hormone–releasing factor in man. Massara F, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):12–6

Incomplete reversal of pancuronium neuromuscular blockade by neostigmine, pyridostigmine, and edrophonium. Bartkowski RR. **Anesth Analg** 1987 Jul;66(7):594–8

Effects of subchronic pyridostigmine pretreatment on the toxicity of soman. Shiloff JD, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):1047–9

Enhancement of cholinergic tone by pyridostigmine promotes both basal and growth hormone (GH)–releasing hormone–induced GH secretion in children of short stature. Ghigo E, et al. **J Clin Endocrinol Metab** 1987 Sep; 65(3):452–6

Oral pyridostigmine administration in rats: effects on thermoregulation, clinical chemistry, and performance in the heat. Francesconi R, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1071–5

[Vesicle population of synapses in the hippocampus of the rat following early postnatal deprivation and administration of pyridostigmine] Plaschke M, et al. **J Hirnforsch** 1987; 28(1):1–11 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Dose–response curves for edrophonium, neostigmine, and pyridostigmine after pancuronium and d–tubocurarine. Donati F, et al. **Anesthesiology** 1987 Apr;66(4):471–6

Disopyramide–pyridostigmine interaction: selective reversal of anticholinergic symptoms with preservation of antiarrhythmic effect. Teichman SL, et al. **J Am Coll Cardiol** 1987 Sep;10(3):633–41

TOXICITY

Oxime–induced decarbamylation and atropine/oxime therapy of guinea pigs intoxicated with pyridostigmine. Harris LW, et al. **Life Sci** 1987 Feb 9;40(6):577–83

PYRIDOXAL

Efficacy and safety of hemoglobin–polyethylene glycol conjugate (pyridoxalated polyethylene glycol hemoglobin) as an oxygen–carrying resuscitation fluid. Iwasaki K, et al. **Artif Organs** 1986 Dec;10(6):470–4

ANALOGS & DERIVATIVES

Function of pyridoxal 5'–phosphate in glycogen phosphorylase: a model study using 6–fluoro–5'–deoxypyridoxal– and 5'–deoxypyridoxal–reconstituted enzymes. Chang YC, et al. **Biochemistry** 1987 Jan 27;26(2):360–7

Replacement of transferrin in serum–free cultures of mitogen–stimulated mouse lymphocytes by a lipophilic iron chelator. Brock JH, et al. **Immunol Lett** 1987 May; 15(1):23–5

Identification of pyridoxine 3–sulfate, pyridoxal 3–sulfate, and N–methylpyridoxine as major urinary metabolites of vitamin B6 in domestic cats. Coburn SP, et al. **J Biol Chem** 1987 Feb 25;262(6):2642–4

Role of iron in the proliferation of the established human tumor cell lines U–937 and K–562: effects of suramin and a lipophilic iron chelator (PIH). Forsbeck K, et al.

Scand J Haematol 1986 Nov;37(5):429–37
[Two cases of skeletal metastasis of hepatocellular carcinoma demonstrating an abnormal accumulation of Tc-99m PMT] Tada A, et al. **Rinsho Hoshasen** 1987 Jan;32(1):139–42 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Crystal structure of copper(II) complex with tryptamine–pyridoxal Schiff base and conformational study of tryptophan in pyridoxal–catalyzed reactions. Ishida T, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3553–62

BLOOD

Effect of different levels of oral pyridoxine supplementation on plasma pyridoxal-5'-phosphate and pyridoxal levels and urinary vitamin B-6 excretion. Ubbink JB, et al. **Am J Clin Nutr** 1987 Jul;46(1):78–85

Simultaneous and direct determination of pyridoxal, pyridoxal-5'-phosphate, and pyridoxic acid in serum by derivative synchronous fluorescence spectroscopy. Petidier A, et al. **Anal Biochem** 1986 Sep;157(2):212–20

Vitamin B6 concentrations in patients with chronic liver disease and hepatocellular carcinoma [letter] Thurnham DI, et al. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):695

The effect of acute prolonged starvation on the concentrations of vitamin B6 aldehyde derivatives in whole blood. Barnard HC, et al. **Int J Vitam Nutr Res** 1986; 56(4):351–4

METABOLISM

Preparation and evaluation of hemoglobin–polyethylene glycol conjugate (pyridoxalated polyethylene glycol hemoglobin) as an oxygen-carrying resuscitation fluid. Iwasaki K, et al. **Artif Organs** 1986 Oct;10(5):411–6

Transport and metabolism of pyridoxine and pyridoxal in mice. Sakurai T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):11–9

PHARMACODYNAMICS

The influence of sodium ascorbate, menadione sodium bisulfite or pyridoxal hydrochloride on the toxic and antineoplastic action of N-methylformamide in P 388 leukemia or M 5076 sarcoma in mice. Osswald H, et al. **Toxicology** 1987 Feb;43(2):183–91

PYRIDOXAL KINASE see under **PHOSPHOTRANSFERASES, ATP**

PYRIDOXAL PHOSPHATE

Study of the hydrolysis and ionization constants of Schiff base from pyridoxal 5'-phosphate and n-hexylamine in partially aqueous solvents. An application to phosphorylase b. Donoso J, et al. **Biochem J** 1986 Aug 15;238(1):137–44

The transmembrane arrangement of the ADP/ATP carrier as elucidated by the lysine reagent pyridoxal 5-phosphate. Bogner W, et al. **Eur J Biochem** 1986 Dec 15;161(3):611–20

Solubilization of 1,25-dihydroxyvitamin D3 receptor with pyridoxal 5'-phosphate from hen intestinal mucosa. Kanda A, et al. **J Steroid Biochem** 1986 Sep;25(3):333–41

ADVERSE EFFECTS

Pyridoxal phosphate-induced liver injury in a patient with homocystinuria. Yoshida I, et al. **J Inherited Metab Dis** 1985;8(2):91

ANALOGS & DERIVATIVES

The development of polymerized pyridoxylated hemoglobin solution as a red cell substitute. Gould SA, et al. **Ann Emerg Med** 1986 Dec;15(12):1416–9

Pyridoxylated polymerized hemoglobin solution processing. Interest of a membrane molecular fractionation step. Clerc Y, et al. **Appl Biochem Biotechnol** 1987 Apr;14(3):241–51

Glutathione reductase activity and its relationship to pyridoxine phosphate activity in G6PD deficiency. Anderson BB, et al. **Eur J Haematol** 1987 Jan;38(1):12–20

Human hemoglobin cross-linked through the polyphosphate-binding site. Functional properties and evidence for conformers. Bellelli A, et al. **J Biol Chem** 1987 Feb 25;262(6):2624–9

Flexibility in the phosphorylase catalytic reaction. Glucosyltransfer from pyridoxal (5')-triphospho(1)-alpha-D-glucose to glycogen catalyzed by phosphorylase. Tagaya M, et al. **J Biol Chem** 1987 Mar 5;262(7):3092–7

Prolonged vascular retention of a hemoglobin solution modified by cross-linking with 2-nor-2-formylpyridoxal 5'-phosphate. Bleeker WK, et al. **J Lab Clin Med** 1986 Nov;108(5):448–55

Polymerized pyridoxylated hemoglobin: efficacy as an O2 carrier. Gould SA, et al. **J Trauma** 1986 Oct;26(10):903–8

Immobilization of nucleoside diphosphatase at the allosteric site using pyridoxal 5'-phosphate derivatives. Yamazaki M, et al. **Methods Enzymol** 1987;135:154–60

Pyridoxalated polymerized stroma-free hemoglobin solution (SFHS-PP) as an oxygen-carrying fluid replacement for hemorrhagic shock in dogs. Marks DH, et al. **Milit Med** 1987 May;152(5):265–71

Preparation and physical characteristics of a hemoglobin solution modified by coupling to 2-nor-2-formylpyridoxal 5'-phosphate. van der Plas J, et al. **Transfusion** 1987 Sep–Oct;27(5):425–30

[The place for using erythrocyte substitutes in hemodilution: fluosol-DA and polymerized pyridoxylated hemoglobin] Vigneron C, et al. **Ann Fr Anesth Reanim** 1986;5(3):260–8 (41 ref.) (Eng. Abstr.) **(Fre)**

ANALYSIS

Pyridoxal phosphate concentrations determined postmortem as an indication of antemortem vitamin B-6 status. Andon MB, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):285–90

BIOSYNTHESIS

An enzymatic method for the synthesis of [14C]pyridoxal 5'-phosphate from [14C]pyridoxine. Yagi T, et al. **Anal Biochem** 1986 Oct;158(1):36–41

BLOOD

A comparison of plasma pyridoxal 5'-phosphate concentrations in capillary (finger prick) and venous blood. Andon MB, et al. **Am J Clin Nutr** 1987 Jun;45(6):1461–5

Effect of different levels of oral pyridoxine supplementation on plasma pyridoxal-5'-phosphate and pyridoxal levels and urinary vitamin B-6 excretion. Ubbink JB, et al. **Am J Clin Nutr** 1987 Jul;46(1):78–85

Simultaneous and direct determination of pyridoxal, pyridoxal-5'-phosphate, and pyridoxic acid in serum by derivative synchronous fluorescence spectroscopy. Petidier A, et al. **Anal Biochem** 1986 Sep;157(2):212–20

A direct assay for pyridoxal 5'-phosphate using pig heart apo-aspartate transaminase. Singkamani R, et al. **Ann Clin Biochem** 1986 May;23 (Pt 3):317–24

Vitamin B6 and coronary artery disease. Epidemiological observations and case studies. Vermaak WJ, et al. **Atherosclerosis** 1987 Feb;63(2-3):235–8

The organic cofactor in plasma amine oxidase: evidence for pyrroloquinoline quinone and against pyridoxal phosphate. Knowles PF, et al. **Biochem J** 1987 Jan 15;241(2):603–8

Correlation between pyridoxal-5'-phosphate levels and the percentage activation of aspartate aminotransferase enzyme in haemolysate and plasma during in vitro incubation studies with different B6 vitamers. Vermaak WJ, et al. **Enzyme** 1986;35(4):215–24

The effect of acute prolonged starvation on the concentrations of vitamin B6 aldehyde derivatives in whole blood. Barnard HC, et al. **Int J Vitam Nutr Res** 1986; 56(4):351–4

Isolation of a 5,300-dalton peptide containing a pyridoxal phosphate binding site from the 38,000-dalton domain of band 3 of human erythrocyte membranes. Kawano Y, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):191–9

Plasma pyridoxal-5'-phosphate concentration and its relation to apo-aminotransferase levels [letter] Hafkenscheid JC. **J Clin Chem Clin Biochem** 1987 Jan;25(1):19–21

Plasma pyridoxal-5'-phosphate levels in myocardial infarction [letter] Ubbink JB, et al. **S Afr Med J** 1986 Nov 22;70(11):701–2

[Relation between erythrocyte saturation with vitamins B2 and B6 in anemic patients and degree of cell maturity] Chernyshov VG, et al. **Lab Delo** 1987;(3):211–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Radiolabeling of a wound-inducible pyridoxal phosphate-utilizing enzyme: evidence for its identification as ACC synthase. Privalle LS, et al. **Arch Biochem Biophys** 1987 Mar;253(2):333–40

Pyridoxal 5'phosphate binding site of Escherichia coli beta cystathionase and cystathionine gamma synthase comparison of their sequences. Martel A, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):565–71

Function of pyridoxal 5'-phosphate in glycogen phosphorylase: a model study using 6-fluoro-5'-deoxypyridoxal- and 5'-deoxypyridoxal-reconstituted enzymes. Chang YC, et al. **Biochemistry** 1987 Jan 27;26(2):360–7

A novel coenzymatic function of pyridoxal 5'-phosphate. Fukui T, et al. **Bioessays** 1986 Jul;5(1):21–4

Atrophic gastritis does not impair vitamin B6 status in the elderly [letter] Ribaya-Mercado JD, et al. **Gastroenterology** 1987 Jul;93(1):222

[Interaction of pyridoxal-5-phosphate with human serum albumin and pancreatic ribonuclease] Moroz AR, et al. **Biokhimiia** 1987 Apr;52(4):550–61 (Eng. Abstr.) **(Rus)**

[Functionally important lysine residues in inorganic pyrophosphatase from E. coli. I. Interaction of inorganic pyrophosphatase with pyridoxal-5'-phosphate] Komissarov AA, et al. **Bioorg Khim** 1987 May;13(5):592–8 (Eng. Abstr.) **(Rus)**

[The use of pyridoxal-5-phosphate in determining aminotransferase activity in brain tissue] Rozanov VA, et al. **Vopr Med Khim** 1987 May-Jun;33(3):129–32 (En. Abstr.) **(Rus)**

PHARMACODYNAMICS

Aminotransferases in elderly people: influence of pyridoxal 5'-phosphate addition on the determination of serum aminotransferases in healthy elderly subjects. Succari M, et al. **Age Ageing** 1987 Mar;16(2):94–100

Acetylcholinesterase is not inhibited by pyridoxal 5'-phosphate. Gentinetta R, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):605–6

Inactivation and degradation of yeast glucose-6-phosphate dehydrogenase selectively modified by pyridoxal-5-phosphate. Vincenzini MT, et al. **Enzyme** 1986;36(4):239–46

Brain pyridoxine-5-phosphate oxidase. Modulation of its catalytic activity by reaction with pyridoxal 5-phosphate and analogs. Choi SY, et al. **J Biol Chem** 1987 Sep 5; 262(25):12013–7

Identification of a lysyl residue in antithrombin which is essential for heparin binding. Peterson CB, et al. **J Biol Chem** 1987 Jun 15;262(17):8061–5

Serum aspartate aminotransferase storage and the effect of pyridoxal phosphate. Niblock AE, et al. **J Lab Clin Med** 1986 Nov;108(5):461–5

Pyridoxal phosphate regulates enzyme induction with corticosteroids. **Nutr Rev** 1986 Jul;44(7):247–8 (5 ref.)

Pyridoxal 5'-phosphate as an antidote for cyanide, spermine, gentamicin, and dopamine toxicity: an in vivo rat study. Keniston RC, et al. **Toxicol Appl Pharmacol** 1987 May; 88(3):433–41

[Modification of glutamate dehydrogenase by pyridoxal-5'-phosphate. Study of the cooperative type of inhibition by GTP] Agadzhanian SA, et al. **Mol Biol (Mosk)** 1986 Jul-Aug;20(4):1062–9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Low-ultraviolet "white" fluorescent lamps fail to protect pyridoxal phosphate from photolysis [letter] Schaltenbrand WE, et al. **Clin Chem** 1987 Apr;33(4):631–2

THERAPEUTIC USE

Long-term effect of magnesium pyridoxal 5-phosphate glutamate in rabbits developing hypercholesterolemia. Panagiotopoulos T, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1210–5

[Experience with the pyridoxal phosphate treatment of eczema patients] Tishchenko LD, et al. **Vestn Dermatol Venerol** 1986;(11):31–4 (Eng. Abstr.) **(Rus)**

TOXICITY

[Safety and possible penetration of pyridoxal phosphate across the skin barrier when used epicutaneously] Gurochkina LP. **Farmakol Toksikol** 1986 Jul-Aug; 49(4):62–3 (Eng. Abstr.) **(Rus)**

PYRIDOXAMINE

ANALOGS & DERIVATIVES

Stereochemistry and mechanism of a new single-turnover, half-transamination reaction catalyzed by the tryptophan synthase alpha 2 beta 2 complex. Miles EW. **Biochemistry** 1987 Jan 27;26(2):597–603

The stereospecific labilization of the C-4' pro-S hydrogen of pyridoxamine 5'-phosphate is abolished in (Lys258——Ala) aspartate aminotransferase. Kochhar S, et al. **J Biol Chem** 1987 Aug 25;262(24):11446–8

Stereospecific labilization of the C-4' pro-S hydrogen of pyridoxamine 5'-phosphate in aspartate aminotransferase. Activators and inhibitors. Tobler HP, et al. **J Biol Chem** 1987 Jul 5;262(19):8985–9

PYRIDOXAMINEPHOSPHATE OXIDASE see under **AMINE OXIDOREDUCTASES**

PYRIDOXIC ACID see under **ISONICOTINIC ACIDS**

PYRIDOXINE

Degradation of vitamin B6 standard solutions. Shephard GS, et al. **Clin Chim Acta** 1986 Nov 15;160(3):307–11

ADMINISTRATION & DOSAGE

Effect of different levels of oral pyridoxine supplementation on plasma pyridoxal-5'-phosphate and pyridoxal levels and urinary vitamin B-6 excretion. Ubbink JB, et al. **Am J Clin Nutr** 1987 Jul;46(1):78–85

Effects of pyridoxine and magnesium on autistic symptoms--initial observations. Lelord G, et al. **J Autism Dev Disord** 1981 Jun;11(2):219–30

Suppression of tumor growth and enhancement of immune status with high levels of dietary vitamin B6 in BALB/c mice. Gridley DS, et al. **JNCI** 1987 May;78(5):951–9

Pyridoxine in primary hyperoxaluria type I [letter] Leumann E, et al. **Lancet** 1986 Sep 20;2(8508):699

[Trial treatment of viral keratoconjunctivitis] Mergier J. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1407–10 **(Fre)**

[Monobloc lamellar autokeratoplasty (MLAK) and corneal cicatrization. Apropos of a comparative trial in a control group and a group treated with a L-cystine and pyridoxine hydrochloride combination] Rivaud C, et al. **J Fr Ophtalmol** 1987;10(1):35–40 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Drugs and stillbirth. Porter JB, et al. **Am J Public Health** 1986 Dec;76(12):1428–31

The weight of the evidence—or—more likely than not. Melnick M. **J Craniofac Genet Dev Biol** 1986;6(3):203–6
Debendox [letter] Elbourne D, et al. **Med J Aust** 1986 Mar 3;144(5):280
Pyridoxine neuropathy. Waterston JA, et al. **Med J Aust** 1987 Jun 15;146(12):640–2
Safety of pyridoxine—a review of human and animal studies. Cohen M, et al. **Toxicol Lett** 1986 Dec;34(2–3):129–39 (65 ref.)

ANALOGS & DERIVATIVES

Identification of pyridoxine 3-sulfate, pyridoxal 3-sulfate, and N-methylpyridoxine as major urinary metabolites of vitamin B6 in domestic cats. Coburn SP, et al. **J Biol Chem** 1987 Feb 25;262(6):2642–4
Conversion of pyridoxine into 6-hydroxypyridoxine by food components, especially ascorbic acid. Tadera K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Jun;32(3):267–77
Piridoxilate-induced calcium oxalate calculi: a new drug-induced metabolic nephrolithiasis. Daudon M, et al. **J Urol** 1987 Aug;138(2):258–61

ANALYSIS

Spectrophotometric determination of pyridoxine hydrochloride. Nirmalchandar V, et al. **Analyst** 1987 May; 112(5):653–5
High-performance liquid chromatography of water-soluble vitamins. II. Simultaneous determinations of vitamins B1, B2, B6 and B12 in pharmaceutical preparations. Amin M, et al. **J Chromatogr** 1987 Mar 25;390(2):448–53
Simultaneous spectrofluorimetric determination of thiamin, pyridoxine and riboflavin in pharmaceutical multivitamin preparations. Barary M, et al. **Pharmazie** 1986 Jul; 41(7):483–5

ANTAGONISTS & INHIBITORS

Effects of carbon dioxide on onsets of seizures in mice induced by antagonists of vitamin B6. Matsuda M, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):2040–2

BIOSYNTHESIS

An unusual genetic link between vitamin B6 biosynthesis and tRNA pseudouridine modification in Escherichia coli K-12. Arps PJ, et al. **J Bacteriol** 1987 Mar;169(3):1071–9
The regiochemistry and stereochemistry of the biosynthesis of vitamin B6 from triose units. Hill RE, et al. **J Biol Chem** 1987 Jun 5;262(16):7463–71

BLOOD

Dosage form and formulation effects on the bioavailability of vitamin E, riboflavin, and vitamin B-6 from multivitamin preparations. Thakker KM, et al. **Am J Clin Nutr** 1987 Jun;45(6):1472–9
Adaptation of coenzyme stimulation assays for the nutritional assessment of vitamins B1, B2 and B6 using the Cobas Bio centrifugal analyser. Mount JN, et al. **Ann Clin Biochem** 1987 Jan;24 (Pt 1):41–6
Correlation between pyridoxal-5'-phosphate levels and the percentage activation of aspartate aminotransferase enzyme in haemolysate and plasma during in vitro incubation studies with different B6 vitamers. Vermaak WJ, et al. **Enzyme** 1986;35(4):215–24
Effect of prolonged anticonvulsant medication in epileptic patients: serum lipids, vitamins B6, B12, and folic acid, proteins, and fine structure of liver. Dastur DK, et al. **Epilepsia** 1987 Mar–Apr;28(2):147–59
Longitudinal assessment of vitamin B-6 status in southern adolescent girls. Driskell JA, et al. **J Am Diet Assoc** 1987 Mar;87(3):307–10
Analysis of vitamin B6 vitamers in plasma by cation-exchange high-performance liquid chromatography. Shephard GS, et al. **J Chromatogr** 1987 Apr 24;416(1):138–43
A new perspective in the assessment of vitamin B-6 nutritional status during pregnancy in humans. Barnard HC, et al. **J Nutr** 1987 Jul;117(7):1303–6
Plasma vitamin A, E, C and B6 levels in myocardial infarction. Labadarios D, et al. **S Afr Med J** 1987 May 2;71(9):561–3

METABOLISM

Dependence of pyridoxine metabolism on riboflavin status in sickle cell patients. Adelekan DA, et al. **Am J Clin Nutr** 1987 Jul;46(1):86–90
Activities of the hepatic enzymes of vitamin B6 metabolism for patients with cirrhosis. Merrill AH Jr, et al. **Am J Clin Nutr** 1986 Oct;44(4):461–7
An enzymatic method for the synthesis of [14C]pyridoxal 5'-phosphate from [14C]pyridoxine. Yagi T, et al. **Anal Biochem** 1986 Oct;158(1):36–41
Diseases associated with defects in vitamin B6 metabolism or utilization. Merrill AH Jr, et al. **Annu Rev Nutr** 1987; 7:137–56 (175 ref.)
Atrophic gastritis does not impair vitamin B6 status in the elderly [letter] Ribaya-Mercado JD, et al. **Gastroenterology** 1987 Jul;93(1):222
Vitamin B6 status of women suffering from premenstrual syndrome. van den Berg H, et al. **Hum Nutr Clin Nutr** 1986 Nov;40(6):441–50
Role of adrenal steroids in retention and utilization of vitamin B6 in liver. David S, et al. **Indian J Exp Biol** 1986 Apr; 24(4):213–6
Enzymes of vitamin B6 degradation. Purification and properties of pyridoxine 5'-dehydrogenase (oxidase). Jong YJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15102–5
Enzymes of vitamin B6 degradation. Purification and properties of 4- and 5-pyridoxolactonases. Jong YJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15112–4
Enzymes of vitamin B6 degradation. Purification and properties of isopyridoxal dehydrogenase and 5-formyl-3-hydroxy-2-methylpyridine-4-carboxylic-acid dehydrogenase. Lee YC, et al. **J Biol Chem** 1986 Nov 15; 261(32):15106–11
Enzymes of vitamin B6 degradation. Purification and properties of 5-pyridoxic-acid oxygenase from Arthrobacter sp. Nelson MJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15115–20
Effects of maternal dietary restriction in vitamin B-6 on neocortex development in rats: B-6 vitamer concentrations, volume and cell estimates. Groziak SM, et al. **J Nutr** 1987 Jun;117(6):1045–52
Transport and metabolism of pyridoxine and pyridoxal in mice. Sakurai T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1987 Feb;33(1):11–9
Conversion of pyridoxine into 6-hydroxypyridoxine by food components, especially ascorbic acid. Tadera K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Jun;32(3):267–77
Dietary protein and vitamin B6 requirements. **Nutr Rev** 1987 Jan;45(1):23–5 (15 ref.)
Pyridoxal phosphate concentrations determined postmortem as an indication of antemortem vitamin B-6 status. Andon MB, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):285–90
[Metabolism of vitamins B1, B6, PP and C in peptic ulcer patients] Litinskaia EV. **Vutr Boles** 1986;25(5):25–7 **(Bul)**
[Effect of calcium pantothenate on vitamin B6 and C correlation in patients with hypertension and ischemic heart disease] Kalkun DP, et al. **Vopr Pitan** 1986 Jul–Aug; (4):17–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Formation of calcium oxalate urolithiasis in experiment and its inhibition by pyridoxine and magnesium. Kridl J, et al. **Czech Med** 1986;9(3):124–9
Influence of pyridoxine (vitamin B6) on lead intoxication in rats. Tandon SK, et al. **Ind Health** 1987;25(2):93–6
Effect of steroid hormones and vitamin B6 on age dependent changes in aminotransferases in rat. Nirmal Kumar A, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):207–12
Effect of pyridoxine on prostaglandin synthesis in rabbit kidney medulla slices. Fujimoto Y, et al. **J Pharm Pharmacol** 1987 Apr;39(4):314–5

PHYSIOLOGY

Vitamin B6—in search of a clinical perspective [editorial] Labadarios D, et al. **S Afr Med J** 1987 May 2;71(9):549–50

POISONING

Characteristics of pyridoxine overdose neuropathy syndrome. Dalton K, et al. **Acta Neurol Scand** 1987 Jul;76(1):8–11

THERAPEUTIC USE

Vitamin B6 deficiency and carcinogenesis. Reynolds RD. **Adv Exp Med Biol** 1986;206:339–47
Psychiatric manifestations of homocystinuria due to cystathionine beta-synthase deficiency: prevalence, natural history, and relationship to neurologic impairment and vitamin B6-responsiveness. Abbott MH, et al. **Am J Med Genet** 1987 Apr;26(4):959–69
Ritodrine and pyridoxine in herpes gestationis [letter] Costa C, et al. **Dermatologica** 1986;173(2):102–3
Pyridoxine dependency seizures: report of a case with unusual features. Pettit RE. **J Child Neurol** 1987 Jan; 2(1):38–40
Heterogeneity and complementation analysis of fibroblasts from vitamin B6 responsive and non-responsive patients with gyrate atrophy of the choroid and retina. Wirtz MK, et al. **J Inherited Metab Dis** 1985;8(2):71–4
Blood coagulation changes in homocystinuria: effects of pyridoxine and other specific therapy. Palareti G, et al. **J Pediatr** 1986 Dec;109(6):1001–6
The effects of vitamin B6 supplementation on premenstrual symptoms. Kendall KE, et al. **Obstet Gynecol** 1987 Aug; 70(2):145–9
Vitamin therapy helps fight CTS [letter] Wolf E. **Occup Health Saf** 1987 Feb;56(2):67
Carpal tunnel syndrome and vitamin B6. Kasdan ML, et al. **Plast Reconstr Surg** 1987 Mar;79(3):456–62
Treatment of carpal tunnel syndrome with vitamin B6. Ellis JM. **South Med J** 1987 Jul;80(7):882–4
Dissolution of uric acid-urate stones and prophylaxis of recurrency with Magurlit. Baán L, et al. **Ther Hung** 1983; 31(3):127–8
Mild metabolic hyperoxaluria and its response to pyridoxine. Gill HS, et al. **Urol Int** 1986;41(5):393–6
[Pyridoxin-resistant homocystinuria. Apropos of a case with early thromboembolic complications] Amram S, et al. **Arch Fr Pediatr** 1986 Nov;43(9):715–7 (Eng. Abstr.) **(Fre)**
[Effect of Collagenan on joint disease associated with collagenous colitis (letter)] Maroy B. **Presse Med** 1986 Nov 8;15(39):1974 **(Fre)**
[Pyridoxine can normalize oxaluria in idiopathic renal lithiasis] Jaeger P, et al. **Schweiz Med Wochenschr** 1986 Dec 13;116(50):1783–6 (Eng. Abstr.) **(Fre)**
[Metadoxine in the control of oxidative stress caused by acute and chronic ethanol poisoning] Calabrese V, et al. **Boll Soc Ital Biol Sper** 1986 Nov 30;62(11):1357–63 (Eng. Abstr.) **(Ita)**
[Treatment of alcoholic hepatic steatosis with metadoxine. Preliminary results on the evaluation of the effects of the drug by an ultrasonographic study] Sergiacomo L, et al. **Clin Ter** 1986 Oct 31;119(2):133–41 (Eng. Abstr.) **(Ita)**
[Clinical evaluation of the efficacy of a topical preparation containing pyridoxine and cystine in seborrheic dermatitis and in seborrheic condition of the face] Melli MC, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):LI–LIII (Eng. Abstr.) **(Ita)**

TOXICITY

Absence of teratogenicity of pyridoxine in Wistar rats. Marathe MR, et al. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):264–6

URINE

Effect of different levels of oral pyridoxine supplementation on plasma pyridoxal-5'-phosphate and pyridoxal levels and urinary vitamin B-6 excretion. Ubbink JB, et al. **Am J Clin Nutr** 1987 Jul;46(1):78–85
Identification of pyridoxine 3-sulfate, pyridoxal 3-sulfate, and N-methylpyridoxine as major urinary metabolites of vitamin B6 in domestic cats. Coburn SP, et al. **J Biol Chem** 1987 Feb 25;262(6):2642–4

PYRIDOXINE DEFICIENCY

see related
ANEMIA, SIDEROBLASTIC

COMPLICATIONS

Vitamin B6 deficiency and carcinogenesis. Reynolds RD. **Adv Exp Med Biol** 1986;206:339–47
Pyridoxine deficiency and ethanol-induced liver injury. Diehl AM, et al. **Alcoholism (NY)** 1987 Aug;11(4):385–91
Effect of L-tryptophan excess and vitamin B6 deficiency on rat urinary bladder cancer promotion. Birt DF, et al. **Cancer Res** 1987 Mar 1;47(5):1244–50
The effect of vitamin B6 deficiency on food intake, growth, and renal function in chronically azotemic rats. Wolfson M, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul–Aug; 11(4):398–402
3-Hydroxykynurenine as a possible mechanism of epileptic seizures associated with neonatal vitamin B6 deficiency. Guilarte TR, et al. **Trans Assoc Am Physicians** 1986;99:73–7

EMBRYOLOGY

Transient neonatal zinc deficiency [letter] Carroll HF. **Am J Clin Nutr** 1987 Feb;45(2):496–7

METABOLISM

Diseases associated with defects in vitamin B6 metabolism or utilization. Merrill AH Jr, et al. **Annu Rev Nutr** 1987; 7:137–56 (175 ref.)
Dietary pyridoxine and the susceptibility to limbic motor seizures in rats. Ruth RE, et al. **Exp Neurol** 1986 Nov; 94(2):441–8
Interaction among niacin, vitamin B6 and zinc in rats receiving ethanol. Vannucchi H, et al. **Int J Vitam Nutr Res** 1986;56(4):355–62
Creatine metabolism in the pyridoxine-deficient rat. Loo G, et al. **J Nutr** 1986 Dec;116(12):2403–8
Increased uterine uptake and nuclear retention of [3H]oestradiol through the oestrous cycle and enhanced end-organ sensitivity to oestrogen stimulation in vitamin B6 deficient rats. Bowden JF, et al. **J Steroid Biochem** 1986 Sep;25(3):359–65
Effect of zinc and/or pyridoxine deficiency upon oestrogen retention and oestrogen receptor distribution in the rat uterus. Bunce GE, et al. **J Steroid Biochem** 1987 Mar; 26(3):303–8
Pyridoxine deficiency and phospholipid metabolism. **Nutr Rev** 1986 Oct;44(10):340–2

PHYSIOPATHOLOGY

Abnormalities in fracture healing induced by vitamin B6-deficiency in rats. Dodds RA, et al. **Bone** 1986; 7(6):489–95
Effects of perinatal vitamin B6 deficiency on dopaminergic neurochemistry [published erratum appears in J Neurochem 1987 Jul;49(1):328] Guilarte TR, et al. **J Neurochem** 1987 Feb;48(2):432–9
Effects of maternal dietary restriction in vitamin B-6 on neocortex development in rats: B-6 vitamer concentrations, volume and cell estimates. Groziak SM, et al. **J Nutr** 1987 Jun;117(6):1045–52
Short-term taste behavior and copper/vitamin B-6 nutriture in Long-Evans rats. Greeley S, et al. **Physiol Behav** 1986; 38(6):765–71
Attenuation of acoustic and tactile startle responses of vitamin B-6 deficient rats. Schaeffer MC. **Physiol Behav** 1987;40(4):473–8

Functional and metabolic consequences of vitamin B-6 deficiency in the rat heart. Feldman AM, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):31-9

PYRILAMINE see under **AMINOPYRIDINES**

PYRIMETHAMINE

ADMINISTRATION & DOSAGE

A combination of sulfamonomethoxine and pyrimethamine versus other drugs for the treatment of malaria. Ebiswa I, et al. **Jpn J Exp Med** 1986 Oct;56(5):213-9

[Experience with the therapy of symptomatic liver porphyria using a combination of antimalarial agents--chloroquine with pyrimethamine] Zoubek V, et al. **Cas Lek Cesk** 1987 Feb 6;126(6):170-3 (Eng. Abstr.) **(Cze)**

[Cerebral toxoplasmosis in immunosuppressed patients: diagnosis and treatment] Leport C, et al. **Ann Med Interne (Paris)** 1987;138(1):30-3 (Eng. Abstr.) **(Fre)**

[Efficacy of specific chemotherapy in the prevention of recurrences of toxoplasmic chorioretinitis during the 4 years following the treatment] Timsit JC, et al. **J Fr Ophtalmol** 1987;10(1):15-23 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Fatal hepatic necrosis due to pyrimethamine-sulfadoxine (Fansidar). Zitelli BJ, et al. **Ann Intern Med** 1987 Mar; 106(3):393-5

Fatal Stevens-Johnson syndrome associated with Fansidar and chloroquine [letter] Lenox-Smith I. **J Infect** 1987 Jan; 14(1):90-2

Severe cutaneous adverse reactions and sulphadoxine-pyrimethamine in Sabah, Malaysia [letter] Lyn PC, et al. **Med J Aust** 1987 Mar 16;146(6):335-6

Transient lupus anticoagulant and fansidar therapy. Jeffrey RF. **Postgrad Med J** 1986 Sep;62(731):893-4

[Pruritus, exanthema, icterus and fever (clinical conference)] Groth H, et al. **Schweiz Rundsch Med Prax** 1987 May 12; 76(20):570-4 (Eng. Abstr.) **(Ger)**

[Fansidar-induced maculopathy and dermatitis exfoliativa] Elsås T, et al. **Tidsskr Nor Laegeforen** 1987 May 20; 107(14):1231-2 (Eng. Abstr.) **(Nor)**

[Stevens-Johnson syndrome in a patient treated with quinine and pyrimethamine-sulfadoxine (letter)] Gascón Brustenga J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):821-2 **(Spa)**

[Megaloblastic anemia secondary to pyrimethamine treatment (letter)] Avello Sánchez JL, et al. **Rev Clin Esp** 1987 Jun; 181(1):55 **(Spa)**

ANALOGS & DERIVATIVES

Inhibition of sound-induced convulsions by metoprine in the audiogenic seizure susceptible rat. Tuomisto L, et al. **Agents Actions** 1987 Apr;20(3-4):252-4

Is histamine an anticonvulsive inhibitory transmitter? Tuomisto L, et al. **Neuropharmacology** 1986 Aug; 25(8):955-8

Toxicity of folic acid analogs in cultured human cells: a microtiter assay for the analysis of drug competition. Roos DS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4860-4

Response of Plasmodium falciparum to dihydrofolate reductase inhibitors in Malindi, Kenya. Spencer HC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):201-3

BLOOD

Pharmacokinetics of sulfadoxine and pyrimethamine after Fansidar administration in man. Edstein MD. **Chemotherapy** 1987;33(4):229-33

Multiple-dose pharmacokinetics of the antimalarial drug Fansimef (pyrimethamine + sulfadoxine + mefloquine) in healthy subjects. Schwartz DE, et al. **Chemotherapy** 1987; 33(1):1-8

Race-linked differences in serum concentrations of dapsone, monoacetyldapsone and pyrimethamine during malaria prophylaxis. Cook IF, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):897-901

Absence of pharmacokinetic interaction between Fansidar and mefloquine [letter] Schwartz DE, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1001-2

METABOLISM

Decreased hepatic elimination of pyrimethamine during malaria infection. Studies in the isolated perfused rat liver. Mihaly GW, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2827-9

Excretion of chloroquine, dapsone and pyrimethamine in human milk. Edstein MD, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):733-5

Single-dose investigation of possible interactions between the components of the antimalarial combination Fansimef. Weidekamm E, et al. **Chemotherapy** 1987;33(4):259-65

The pharmacokinetics of mefloquine when given alone or in combination with sulphadoxine and pyrimethamine in Thai male and female subjects. Karbwang J, et al. **Eur J Clin Pharmacol** 1987;32(2):173-7

The pharmacokinetics of pyrimethamine in the rat: effect of mefloquine. Coleman MD, et al. **J Pharm Pharmacol** 1986 Nov;38(11):840-2

[Pharmacokinetic aspects of a pyrimethamine combination with sulfanilamides] Lur'e AA, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):10-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reversal of suppressed cell-mediated immune reaction by pyrimethamine. Zhang JX, et al. **Acta Acad Med Wuhan** 1985;5(4):201-6

Competitive inhibition of folate absorption by dihydrofolate reductase inhibitors, trimethoprim and pyrimethamine. Zimmerman J, et al. **Am J Clin Nutr** 1987 Sep;46(3):518-22

Optimal concentration of p-aminobenzoic acid and folic acid in the in vitro assay of antifolates against Plasmodium falciparum. Tan-ariya P, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):42-8

Alteration in properties of thymidylate synthetase from pyrimethamine-resistant Plasmodium chabaudi. Ratanaphan A, et al. **Int J Parasitol** 1986 Oct;16(5):483-90

Pigmentary changes in rat oral mucosa following antimalarial therapy. Savage NW, et al. **J Oral Pathol** 1986 Oct; 15(9):468-71

Plasmodium falciparum RI resistance to quinine and sulphadoxine-pyrimethamine in the Solomon Islands [letter] Isaacs RD, et al. **Med J Aust** 1987 Apr 20; 146(8):449-50

Kinetic and molecular properties of the dihydrofolate reductase from pyrimethamine-sensitive and pyrimethamine-resistant clones of the human malaria parasite Plasmodium falciparum. Chen GX, et al. **Mol Pharmacol** 1987 Apr;31(4):430-7

The mechanism of pyrimethamine resistance in Plasmodium falciparum. Dieckmann A, et al. **Parasitology** 1986 Oct;93 (Pt 2):275-8

Effect of pyrimethamine and sulphadoxine on human lymphocyte proliferation. Bygbjerg IC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):295-300

In vitro susceptibility of Plasmodium falciparum malaria to pyrimethamine, sulfadoxine, trimethoprim and sulfamethoxazole, singly and in combination. Petersen E. **Trans R Soc Trop Med Hyg** 1987;81(2):238-41

The effect of dapsone-pyrimethamine on immunoglobulin concentrations in malaria chemoprophylaxis. Ti TY, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):245-6

Stage-specific sensitivity of Plasmodium falciparum to antifolates. Dieckmann A, et al. **Z Parasitenkd** 1986; 72(5):591-4

POISONING

Accidental overdose of pyrimethamine and sulphadoxine for malaria prophylaxis without adverse effects. Lindberg A, et al. **Eur J Clin Pharmacol** 1986;31(2):253-4

THERAPEUTIC USE

Use of pyrimethamine-sulfadoxine (Fansidar) in prophylaxis against chloroquine-resistant Plasmodium falciparum and Pneumocystis carinii. Pearson RD, et al. **Ann Intern Med** 1987 May;106(5):714-8 (40 ref.)

Experiences with malaria chemoprophylaxis. Várnai F, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):279-83

Plasma and whole blood mefloquine concentrations during treatment of chloroquine-resistant falciparum malaria with the combination mefloquine-sulphadoxine-pyrimethamine. Karbwang J, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):477-81

ELISA tests for dapsone and pyrimethamine and their application in a malaria chemoprophylaxis programme. Greenwood BM, et al. **Bull WHO** 1986;64(6):909-16

Pyrimethamine in the myeloproliferative disorders: a forgotten treatment? Bowcock SJ, et al. **Clin Lab Haematol** 1987;9(2):129-36

Efficacy of malaria prophylaxis in American and Swiss travelers to Kenya. Lobel HO, et al. **J Infect Dis** 1987 Jun;155(6):1205-9

Concurrent chloroquine- and Fansidar-resistant Plasmodium falciparum: an imported case into Zimbabwe. Dallas AB, et al. **J Trop Med Hyg** 1986 Oct;89(5):265-8

Chemotherapy and chemoprophylaxis of hepatic coccidiosis with sulphadimethoxine and pyrimethamine. Gómez-Bautista M, et al. **Res Vet Sci** 1986 Jul;41(1):28-32

In vivo and in vitro susceptibility of Plasmodium falciparum to sulphadoxine/pyrimethamine in Liberia, West Africa. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1986; 80(4):572-4

Pyrimethamine-sulfadoxine still effective against Plasmodium falciparum in Jayapura, Irian Jaya: RI-type resistance in 2 of 18 patients. Hoffman SL, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):276-7

Response of Plasmodium falciparum to dihydrofolate reductase inhibitors in Malindi, Kenya. Spencer HC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):201-3

[Chemical prevention of zoonotic cutaneous leishmaniasis with chloridin] Khairulin Fla, et al. **Med Parazitol (Mosk)** 1987 Mar-Apr;(2):51-4 (Eng. Abstr.) **(Rus)**

[Malaria in pregnant women--native inhabitants of the Congo--and its treatment using quinimax and fansidar] Splavskiĭ OI. **Med Parazitol (Mosk)** 1986 Sep-Oct;(5):49-51 (Eng. Abstr.) **(Rus)**

[Comparative study of the indicators of the effectiveness of chloridine and doxycycline in experimental cutaneous leishmaniasis] Khairulin Fla, et al. **Vestn Dermatol Venerol** 1987;(5):62-5 (Eng. Abstr.) **(Rus)**

PYRIMIDINE DIMERS

Action spectrum for the formation of endonuclease-sensitive sites and (6-4) photoproducts induced in a DNA fragment by ultraviolet radiation. Chan GL, et al. **Int J Radiat Biol** 1986 Oct;50(4):641-8

1H NMR study of the exchangeable protons of the duplex d(GCGTTGCG).d(CGCAACGC) containing a thymine photodimer. Kemmink J, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4645-53

Excision repair of pyrimidine dimers in marsupial cells. Applegate LA, et al. **Photochem Photobiol** 1987 Feb; 45(2):241-5

Photosensitization of pyrimidine dimer splitting by a covalently bound indole. Van Camp JR, et al. **Photochem Photobiol** 1987 Mar;45(3):365-70

ANALYSIS

Quantitation of radiation-, chemical-, or enzyme-induced single strand breaks in nonradioactive DNA by alkaline gel electrophoresis: application to pyrimidine dimers. Freeman SE, et al. **Anal Biochem** 1986 Oct;158(1):119-29

Conformational changes in the oligonucleotide duplex d(GCGTTGCG) x d(CGCAACGC) induced by formation of a cis-syn thymine dimer. A two-dimensional NMR study. Kemmink J, et al. **Eur J Biochem** 1987 Jan 2; 162(1):37-43

DNA sequence dependence of closely opposed cyclobutyl pyrimidine dimers induced by UV radiation. Lam LH, et al. **Mutat Res** 1987 Jun;178(2):167-76

A sensitive, enzymatic assay for the detection of closely opposed cyclobutyl pyrimidine dimers induced in human diploid fibroblasts. Lam LH, et al. **Mutat Res** 1986 Sep; 166(2):187-98

Action spectra for the induction of pyrimidine(6-4)pyrimidone photoproducts and cyclobutane pyrimidine dimers in normal human skin fibroblasts. Rosenstein BS, et al. **Photochem Photobiol** 1987 Jun; 45(6):775-80

BIOSYNTHESIS

The wavelength dependence of u.v.-induced pyrimidine dimer formation, cell killing and mutation induction in human diploid skin fibroblasts. Enninga IC, et al. **Carcinogenesis** 1986 Nov;7(11):1829-36

Production of pyrimidine dimers in DNA of human skin exposed in situ to UVA radiation. Freeman SE, et al. **J Invest Dermatol** 1987 Apr;88(4):430-3

GENETICS

Xeroderma pigmentosum variant cells are not defective in the repair of (6-4) photoproducts. Mitchell DL, et al. **Int J Radiat Biol** 1987 Aug;52(2):201-5

Specificity of mutation by UV light and delayed photoreversal in umuC-defective Escherichia coli K-12: a targeting intermediate at pyrimidine dimers. Bockrath R, et al. **J Bacteriol** 1987 Apr;169(4):1410-6

METABOLISM

Lack of excision of 4HAQO adducts from DNA by cell extracts that excise pyrimidine dimers. Panigrahi GB, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):775-81

Pyrimidine dimer dependent cleavage of single-stranded DNA by T4 UV endonuclease. Sauerbier W. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):204-12

Enhanced repair of pyrimidine dimers in coding and non-coding genomic sequences in CHO cells expressing a prokaryotic DNA repair gene. Bohr VA, et al. **Carcinogenesis** 1987 Sep;8(9):1333-6

Immunochemical determination of an initial step in thymine dimer excision repair in xeroderma pigmentosum variant fibroblasts and biopsy material from the normal population and patients with basal cell carcinoma and melanoma. Roth M, et al. **Carcinogenesis** 1987 Sep;8(9):1301-7

Pyrimidine dimer excision repair of DNA in Bacteroides fragilis wild-type and mitomycin C-sensitive/UV-sensitive mutants. Abratt VR, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2577-81

Repair of closely opposed cyclobutyl pyrimidine dimers in UV-sensitive human diploid fibroblasts. Lam LH, et al. **Mutat Res** 1986 Sep;166(2):199-205

Inhibition of pyrimidine dimer excision in ultraviolet-irradiated Escherichia coli overproducing RecA protein. Sedliaková M, et al. **Mutat Res** 1987 May; 191(1):13-6

Binding of E. coli DNA photolyase to a defined substrate containing a single T mean value of T dimer. Husain I, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1109-20

PHYSIOLOGY

Pyrimidine dimers block simian virus 40 replication forks. Berger CA, et al. **Mol Cell Biol** 1986 Oct;6(10):3443-50

RADIATION EFFECTS

UV light-induced cyclobutane pyrimidine dimers are mutagenic in mammalian cells. Protić-Sabljić M, et al. **Mol Cell Biol** 1986 Oct;6(10):3349-56

Pyrimidine dimers in Drosophila chromatin become increasingly accessible after irradiation. Harris PV, et al.

Mutat Res 1987 Jan;183(1):53–60

Pyrimidine dimer formation in human skin. Freeman SE, et al. **Photochem Photobiol** 1987 Aug;46(2):207–12

Thymine-containing dimers as well as spore photoproducts are found in ultraviolet-irradiated Bacillus subtilis spores that lack small acid-soluble proteins. Setlow B, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):421–3

[Photodimerization of uracil in films and their use for dosimetry of genetically active ultraviolet irradiation] Tsoganenko NM, et al. **Biofizika** 1987 Jan–Feb;32(1):7–11 (Eng. Abstr.) **(Rus)**

[Action of UV irradiation and thymine dimer repair in the nematode Caenorhabditis elegans] Ravin VK, et al. **Radiobiologiia** 1987 May–Jun;27(3):404–8 (Eng. Abstr.) **(Rus)**

PYRIMIDINE NUCLEOSIDES

Reactions of 5-bromo substituted pyrimidine nucleosides with aqueous alkalies: kinetics and mechanisms. Käppi R, et al. **Acta Chem Scand [B]** 1986 Oct;40(9):768–75

New adducts of chloroethylene oxide and chloroacetaldehyde with pyrimidine nucleosides. Barbin A, et al. **Chem Biol Interact** 1986 Jul–Aug;59(1):43–54

ANALYSIS

Reactions of pyrimidine nucleosides with aqueous alkalies: kinetics and mechanisms. Lönnberg H, et al. **Acta Chem Scand [B]** 1986 Nov;40(10):798–805

[Determination of purine and pyrimidine derivatives in acid-soluble fractions of organs and tissues using high-performance reverse-phase ion-pair chromatography] Toguzov RT, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):133–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Reaction of (bromoacetamido)nucleoside affinity labels with ribonuclease A: evidence for steric control of reaction specificity and alkylation rate. Hummel CF, et al. **Biochemistry** 1987 Jan 13;26(1):135–46

Synthesis and antiviral activity of various 3'-azido, 3'-amino, 2',3'-unsaturated, and 2',3'-dideoxy analogues of pyrimidine deoxyribonucleosides against retroviruses. Lin TS, et al. **J Med Chem** 1987 Feb;30(2):440–4

Synthesis and biological activity of 5-phenylselenenyl-substituted pyrimidine nucleosides. Schinazi RF, et al. **J Med Chem** 1986 Jul;29(7):1293–5

Synthesis of 2'-deoxy-6,3'-methano-cyclo-pyrimidine nucleosides. Yoshimura Y, et al. **Nucleic Acids Symp Ser** 1986;(17):53–5

Pyrimidine homoribonucleosides: synthesis, solution conformation, and some biological properties. Lassota P, et al. **Z Naturforsch [C]** 1987 May;42(5):589–98

METABOLISM

Identification of purine deoxyribonucleoside kinases from human leukemia cells: substrate activation by purine and pyrimidine deoxyribonucleosides. Sarup JC, et al. **Biochemistry** 1987 Jan 27;26(2):590–7

Defective transport of pyrazolopyrimidine ribosides in insensitive Trypanosoma cruzi wild strains is a parasite-stage specific and reversible characteristic. Avila JL, et al. **Comp Biochem Physiol [B]** 1987;87(3):489–95

Plasma and cerebrospinal fluid nucleosides and oxypurines in acute liver failure. Berlinger WG, et al. **J Lab Clin Med** 1987 Aug;110(2):137–44

PHARMACODYNAMICS

Role of thymidylate synthetase in the cytostatic activity of pyrimidine nucleoside analogues. Balzarini J. **Bull Mem Acad R Med Belg** 1985;140(11):432–40

THERAPEUTIC USE

Comparative efficacy of three 2'-fluoropyrimidine nucleosides and 9-(1,3-dihydroxy-2-propoxymethyl)guanine (BW B759U) against pseudorabies and equine rhinopneumonitis virus infection in vitro and in laboratory animals. Rollinson EA. **Antiviral Res** 1987 Jan;7(1):25–33

PYRIMIDINE NUCLEOTIDES

ANALYSIS

Studies on the nucleotide arrangement in DNA. Estimation of sequence isomers in pyrimidine deoxyribo-oligonucleotides. Shapiro HS. **J Chromatogr** 1987 May 22;394(2):315–22

[Determination of purine and pyrimidine derivatives in acid-soluble fractions of organs and tissues using high-performance reverse-phase ion-pair chromatography] Toguzov RT, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):133–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effects of ciprofloxacin on eucaryotic pyrimidine nucleotide biosynthesis and cell growth. Forsgren A, et al. **Antimicrob Agents Chemother** 1987 May;31(5):774–9

Organization of the pathway of de novo pyrimidine nucleotide biosynthesis in pea (Pisum sativum L. cv Progress No. 9) leaves. Doremus HD. **Arch Biochem Biophys** 1986 Oct;250(1):112–9

Mechanism of action of the novel anticancer agent 6-fluoro-2-(2'-fluoro-1,1'-biphenyl-4-yl)-3-methyl-4-quinolinecarbo xylic acid sodium salt (NSC 368390): inhibition of de novo pyrimidine nucleotide biosynthesis. Chen SF, et al. **Cancer Res** 1986 Oct;46(10):5014–9

BLOOD

Nucleotide synthesis in human erythrocyte: correlations between purines and pyridines. Micheli V, et al. **Biomed Biochim Acta** 1987;46(2–3):S268–72

METABOLISM

Dose-related effects of methotrexate on purine and pyrimidine nucleotides and on cell-kinetic parameters in MOLT-4 malignant human T-lymphoblasts. Bökkerink JP, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3557–64

Changes in levels of purine and pyrimidine nucleotides during acute hypoxia and recovery in neonatal rat brain. Hisanaga K, et al. **J Neurochem** 1986 Nov;47(5):1344–50

PYRIMIDINES

Molecular basis for anticancer drug amplification: interaction of phleomycin amplifiers with DNA. Strekowski L, et al. **J Med Chem** 1986 Jul;29(7):1311–5

Effects of BMY 14802, a potential antipsychotic drug, on rat brain dopaminergic function. Matthews RT, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):124–31

Effect of UTP and GTP pools on attenuation at the pyrE gene of Escherichia coli. Poulsen P, et al. **MGG** 1987 Jun; 208(1–2):152–8

A highly conserved endonuclease activity present in Escherichia coli, bovine, and human cells recognizes oxidative DNA damage at sites of pyrimidines. Doetsch PW, et al. **Mol Cell Biol** 1987 Jan;7(1):26–32

An unusual base pairing between pyrimidine and pyridine nucleotides. Charczuk R, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9530

Oxidation of pyrimidine bases and their derivatives with hydrogen peroxide in hydrochloric acid. Itahara T, et al. **Nucleic Acids Symp Ser** 1986;(17):17–20

Menadione sensitized photooxidation of nucleic acid and protein constituents. An ESR and spin-trapping study. Krishna CM, et al. **Photochem Photobiol** 1987 Aug; 46(2):175–82

[The synthesis and antineoplastic effect of esters of 5-(2-amino-4-oxo-6-alkyl-3,4-dihydropyrimidinyl) pentanoic acids] Křepelka J, et al. **Cesk Farm** 1986 Jul; 35(6):247–54 (Eng. Abstr.) **(Cze)**

[Synthesis and pharmacologic activity of pyrimidine derivatives] Křepelka J, et al. **Cesk Farm** 1986 Dec; 35(10):433–9 (Eng. Abstr.) **(Cze)**

[Effect of intramolecular interaction on the electron excitation state of nucleic acid components] Rubin IuV, et al. **Biofizika** 1987 May–Jun;32(3):378–82 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Evaluation of the morantel sustained release bolus in cows and calves. Ciordia H, et al. **Vet Parasitol** 1987 Apr; 24(1–2):75–86

ADVERSE EFFECTS

Assessing the potential for buspirone dependence or abuse and effects of its withdrawal. Lader M. **Am J Med** 1987 May 22;82(5A):20–6 (18 ref.)

Differential effects of the anxiolytic drugs, diazepam and buspirone, on memory function. Lucki I, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):207–11

Comparison of withdrawal of buspirone and diazepam: a placebo controlled study. Fontaine R, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):189–97

ANALYSIS

Effect of ischemia on nucleosides and bases in rat liver and hepatoma 3924A. Pillwein K, et al. **Cancer Res** 1987 Jun 15;47(12):3092–6

Anomalous temperature dependence of the phosphorus-31 nuclear magnetic resonance chemical shift in d(CCGG) and d(CCTAGG) at the junction of the pyrimidine stack followed by the purine stack. Takahashi S, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):3987–93

Determination of depletion and statistical distribution of morantel-related residues in bovine milk following administration of morantel tartrate to dairy cows. Lynch MJ, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec; 69(6):935–8

Liquid chromatographic determination and identification of morantel-related residues as precursors of 3-(3-methyl-2-thienyl) acrylic acid (CP-20,107) in bovine milk. Lynch MJ, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec;69(6):931–5

Monitoring of morantel levels in digestive contents by high performance liquid chromatography. Alvinerie M, et al. **J Vet Pharmacol Ther** 1986 Dec;9(4):436–8

Analysis of some antispasmodic drugs: oxyphencyclimine and glycopyrronium bromide. Ebeid MY, et al. **Pharm Weekbl [Sci]** 1986 Oct 17;8(5):252–8

The use of specific radioimmunoassay to determine action spectra for the photolysis of (6–4) photoproducts. Mitchell DL, et al. **Photochem Photobiol** 1987 Jun;45(6):781–6

Action spectra for the induction of pyrimidine(6–4)pyrimidone photoproducts and cyclobutane pyrimidine dimers in normal human skin fibroblasts. Rosenstein BS, et al. **Photochem Photobiol** 1987 Jun; 45(6):775–80

[Principles of the hydrolysis of bound purine and pyrimidine bases in foods and program-controlled calculation of nucleic acid content] Herbel W, et al. **Z Lebensm Unters Forsch** 1987 Jan;184(1):8–10 (Eng. Abstr.) **(Ger)**

[Determination of individual purine and pyrimidine bases in carbohydrate-rich food] Lassek E, et al. **Z Lebensm Unters Forsch** 1987 May;184(5):361–5 (Eng. Abstr.) **(Ger)**

[Features of metabolic disorders of the lymphoid tissue of the palatine tonsils in chronic tonsillitis patients] Toguzov RT, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):37–41 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effect of deoxycytidine on the in vitro response of human leukemia cells to inhibitors of de novo pyrimidine biosynthesis. Bhalla K, et al. **Cancer Chemother Pharmacol** 1987;19(3):226–32

Structure of the Bacillus subtilis pyrimidine biosynthetic (pyr) gene cluster. Lerner CG, et al. **J Bacteriol** 1987 May; 169(5):2202–6

Effects of acivicin and dichloroallyl lawsone upon pyrimidine biosynthesis in mouse L1210 leukemia cells. Kemp AJ, et al. **J Biol Chem** 1986 Nov 15;261(32):14891–5

The rudimentary gene of Drosophila melanogaster encodes four enzymic functions. Freund JN, et al. **J Mol Biol** 1987 Jan 5;193(1):1–13

BLOOD

Use of 4-bromomethyl-7-methoxycoumarin for derivatization of pyrimidine compounds in serum analysed by high-performance liquid chromatography with fluorimetric detection. Yoshida S, et al. **J Chromatogr** 1986 Nov 28;383(1):61–8

CHEMICAL SYNTHESIS

Synthesis and antimicrobial activity of some pyrimidinobenzofuran derivatives. Hishmat OH, et al. **Acta Pharm Suec** 1986;23(5):301–4

Synthesis and antimicrobial activity of 7 alpha-methoxypyrimidinyl-ureidocephalosporins. Maier R, et al. **Arzneimittelforschung** 1986 Sep;36(9):1297–300

Pyrimidodiazepine, a ring-strained cofactor for phenylalanine hydroxylase. Pike DC, et al. **Biochemistry** 1986 Aug 26;25(17):4762–71

Synthesis and hypoglycemic activity of 7,8-dihydro-6H-thiopyrano[3,2-d]pyrimidine derivatives and related compounds. Ohno S, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4150–65

Synthesis and properties of amides of 1-benzyl-3-methyl- and 1-butyl-3-phenyl-7-methyl-4-oxo-2-thioxo (2,4-dioxo)-1,2,3,4-tetrahydropyrido-[2,3-d]pyrimidine-6-carboxy lic acids. Sladowska H, et al. **Farmaco [Sci]** 1986 Dec;41(12):954–63

2,4-Diamino-5-benzylpyrimidines as antibacterial agents. 7. Analysis of the effect of 3,5-dialkyl substituent size and shape on binding to four different dihydrofolate reductase enzymes. Roth B, et al. **J Med Chem** 1987 Feb;30(2):348–56

2-[(3-Pyridinylmethyl)thio]pyrimidine derivatives: new bronchosecretolytic agents. Schickaneder H, et al. **J Med Chem** 1987 Mar;30(3):547–51

Some substituted imidazo[1,2-b] [1,2,4]triazines and 8H-pyrimido[1,2-b] [1,2,4]triazin-8-ones as potential antineoplastic agents. Labouta IM, et al. **Pharmazie** 1986 Nov;41(11):812–3

Synthesis of 7 beta-(4-oxo-3,4-dihydrothieno[2,3-d] pyrimidyl-2-thioacetamido)cephalosporanic acid derivatives. Zékány A, et al. **Pharmazie** 1987 Mar; 42(3):160–1

[Studies on the synthesis of dihydrofolate reductase inhibitor, 5-(substituted phenyl)-thio(seleno)-2, 4-diaminopyrimidines and their inhibitory activity on L. casei and chicken liver DHFR] Zhang WS, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):136–40 (Eng. Abstr.) **(Chi)**

[Synthesis and anti-inflammatory activity of (2-pyrimidinylamino)phenylacetic acid derivatives] Ogawa N, et al. **Yakugaku Zasshi** 1987 Feb;107(2):111–22 (Eng. Abstr.) **(Jpn)**

METABOLISM

Purine and pyrimidine metabolism in man V. Part B: Basic science aspects. Festschrift for J.E. Seegmiller. **Adv Exp Med Biol** 1986;195 Pt B:1–701

Influence of methotrexate on purine and pyrimidine pools and on cell phase distribution of cultured human lymphoblasts. De Abreu RA, et al. **Adv Exp Med Biol** 1986; 195 Pt B:105–11

In vitro degradation of pyrimidine bases: studies of rat liver dihydropyrimidine dehydrogenase. Tuchman M, et al.

Adv Exp Med Biol 1986;195 Pt B:245–8

Ormetoprim–sulfadimethoxine in cattle: pharmacokinetics, bioavailability, distribution to the tears, and in vitro activity against Moraxella bovis. Wilson WD, et al. **Am J Vet Res** 1987 Mar;48(3):407–14

Metabolism of pyrimidine bases and nucleosides by pyrimidine–nucleoside phosphorylases in cultured human lymphoid cells. Pérignon JL, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):130–6

Inhibition of lymphoid cell growth by adenine ribonucleotide accumulation. The role of phosphoribosylpyrophosphate–depletion induced pyrimidine starvation. van der Kraan PM, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):213–21

O-alkyl pyrimidines in mutagenesis and carcinogenesis: occurrence and significance. Singer B. **Cancer Res** 1986 Oct;46(10):4879–85 (88 ref.)

Rates of heat–induced pyrimidine alterations in synthetic polydeoxyribonucleotides. Duker NJ. **Chem Biol Interact** 1986 Dec;60(3):265–73

Sustained reductions in oxipurinol renal clearance during a restricted diet. Park GD, et al. **Clin Pharmacol Ther** 1987 Jun;41(6):616–21

Kinetics of allopurinol and oxipurinol after chronic oral administration. Interaction with benzbromarone. Colin JN, et al. **Eur J Clin Pharmacol** 1986;31(1):53–8

Allopurinol and oxypurinol are hydroxyl radical scavengers. Moorhouse PC, et al. **FEBS Lett** 1987 Mar 9;213(1):23–8

Disposition of the aromatase inhibitor LY56110 and associated induction and inhibition studies in rats, dogs, and monkeys. Lindstrom TD, et al. **Fundam Appl Toxicol** 1987 May;8(4):595–604

Regulation of N-carbamoyl-beta-alanine amidohydrolase, the terminal enzyme in pyrimidine catabolism, by ligand–induced change in polymerization. Matthews MM, et al. **J Biol Chem** 1987 May 25;262(15):7232–7

The transport of pyrimidines into tissue rings cut from rat small intestine. Bronk JR, et al. **J Physiol (Lond)** 1987 Jan; 382:475–88

European Symposium on Purine and Pyrimidine Metabolism in Man. Château-d'Oex/Switzerland, September 2–4, 1987. Abstracts of lectures, invited discussions, and posters. **Klin Wochenschr** 1987;65 Suppl 10:1–46

Utilization of pyrimidines and pyrimidine analogues by fluorescent pseudomonads. West TP, et al. **Microbios** 1986; 47(192–193):149–57

Lack of interaction between cimetidine and buspirone. Gammans RE, et al. **Pharmacotherapy** 1987;7(3):72–9

[The biochemistry of the cancer cell. Purine and pyrimidine metabolism] Pillwein K, et al. **Padiatr Padol** 1986; 21(4):323–34 **(Ger)**

[Disorders of pyrimidine metabolism] Reiter S. **Verh Dtsch Ges Inn Med** 1986;92:512–20 **(Ger)**

[The transition of morantel in cow's milk following administration in the retard form, "Paratect Bolus" (Pfizer)] Leuenberger U, et al. **Z Lebensm Uniers Forsch** 1987 May; 184(5):388–9 (Eng. Abstr.) **(Ger)**

[The nature of the pyrimidine substrate of 6,7-dimethyl-8-ribityllumazine synthase participating in riboflavin biosynthesis in yeasts] Logvinenko EM, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):80–2 (Eng. Abstr.) **(Rus)**

[Regulation of the metabolism of purine and pyrimidine derivatives—a basis for the diagnosis of pathological states in an experiment and in clinical medicine] Toguzov RT, et al. **Vesta Akad Med Nauk SSSR** 1986;(8):40–52 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of isaxonine on reinnervation of the rat gastrocnemius muscle. De Reuck J, et al. **Acta Neuropathol (Berl)** 1987;72(4):406–8

Buspirone attenuates volitional alcohol intake in the chronically drinking monkey. Collins DM, et al. **Alcohol** 1987 Jan–Feb;4(1):49–56

Alcohol and drug interactions with antianxiety medications. Schuckit MA. **Am J Med** 1987 May 22;82(5A):27–33 (31 ref.)

Free radicals and cardioplegia: allopurinol and oxypurinol reduce myocardial injury following ischemic arrest. Chambers DJ, et al. **Ann Thorac Surg** 1987 Sep;44(3):291–7

Pyrrolo[2,3–d]pyrimidine nucleosides as inhibitors of human cytomegalovirus. Turk SR, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):544–50

Immunobiological and antiinflammatory properties of 1-phenylo–2–thioxo–3–diethylo–aminoethylo–4–ox o–7–methylpyrimido– [4,5–c]–pyrimidine hydrochloride (compound I). Gieldanowski J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):351–68

Bronchodilator and other pharmacological activities of R–836 (2,5–diethyl–7–(4–thiomorpholino)–1,2,4–triazolo[1,5–c]pyrimidin e). Swingle KF, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):255–71

Effects of new hypoglycemic agent 2–piperazinyl–4–methyl–amino–5–methylthieno [2,3–d]pyrimidine dihydrochloride hydrate. Fujiwara T, et al. **Arzneimittelforschung** 1986 Dec;36(12):1770–4

Trapidil derivatives as potential antiatherosclerotic drugs. Giessler C, et al. **Arzneimittelforschung** 1987 May; 37(5):538–41

Inhibition of thiaminase I from Bacillus thiaminolyticus. Evidence supporting a covalent 1,6–dihydropyrimidinyl–enzyme intermediate. Hutter JA, et al. **Biochemistry** 1987 Apr 7;26(7):1969–73

Increased response to peroxisomal proliferators in starved rats. Hertz R, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):57–61

Effect of chronic treatment with 5–HT1 agonist (8–OH–DPAT and RU 24969) and antagonist (isapirone) drugs on the behavioural responses of mice to 5–HT1 and 5–HT2 agonists. De Souza RJ, et al. **Br J Pharmacol** 1986 Oct;89(2):377–84

Possible association of platelet–derived growth factor (PDGF) with the appearance of reactive astrocytes following brain injury in situ. Takamiya Y, et al. **Brain Res** 1986 Sep 24;383(1–2):305–9

Combined effects of buspirone and diazepam on objective and subjective tests of performance in healthy volunteers. Mattila M, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):620–6

Biological action of pyrazolopyrimidine derivatives against Trypanosoma cruzi. Studies in vitro and in vivo. Avila JL, et al. **Comp Biochem Physiol [C]** 1987;86(1):49–54

Cloning and expression of the rat liver cDNA for peroxisomal enoyl–CoA hydratase, 3–hydroxyacyl–CoA dehydrogenase in lambda GT11. Transcriptional regulation of enzyme activity by Wy–14643 in primary cultures of rat hepatocytes. Chatterjee B, et al. **Eur J Biochem** 1987 Jul 15;166(2):273–8

Ipsapirone depresses neuronal activity in the dorsal raphe nucleus and the hippocampal formation. Basse–Tomusk A, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):141–3

Pharmacological evidence for the involvement of 1–(2–pyridinyl)–piperazine (1–PmP) in the interaction of buspirone or gepirone with noradrenergic systems. Giral P, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):113–6

Evidence that the putative 5–HT1A receptor agonists, 8–OH–DPAT and ipsapirone, have a central hypotensive action that differs from that of clonidine in anaesthetised cats. Ramage AG, et al. **Eur J Pharmacol** 1987 Jun 19; 138(2):179–91

Neurophysiological effects of buspirone and isapirone in the hippocampus: comparison with 5–hydroxytryptamine. Rowan MJ, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):93–6

Inhibition of serotonergic dorsal raphe neurons by systemic and iontophoretic administration of buspirone, a non–benzodiazepine anxiolytic drug. VanderMaelen CP, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):123–30

Effect of buspirone on single unit activity in locus coeruleus and dorsal raphe nucleus in behaving cats. Wilkinson LO, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):123–7

BMY 7378, a buspirone analog with high affinity, selectivity and low intrinsic activity at the 5–HT1A receptor in rat and guinea pig hippocampal membranes. Yocca FD, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):293–4

Nerve and muscle regeneration after axonal division in rats treated with isaxonine phosphate (isopropylamino–2–pyrimidine phosphate). Becker CM, et al. **Eur Surg Res** 1986;18(6):383–9

Anthelmintic ingestion in nematodes: enhancement by phagostimulants. Bone LW, et al. **Int J Parasitol** 1986 Oct; 16(5):525–7

Effects of the new mitotic inhibitor pyrimidinsulfone NY 4137 on human cells in vitro and on colchicine binding to tubulin. Nygaard ME, et al. **Invest New Drugs** 1986; 4(3):221–9

Aromatase inhibition by 5–substituted pyrimidines and dihydropyrimidines. Taylor HM, et al. **J Med Chem** 1987 Aug;30(8):1359–65

Fenfluramine antagonizes the stimulation of food intake induced by the putative 5–hydroxytryptamine1A agonist, isapirone, in non–fasted rats. Wong DT, et al. **J Pharm Pharmacol** 1987 Jul;39(7):570–1

Reversal effect of isaxonine on modifications of rat polymorphonuclear migration by colchicine. Pham DH, et al. **J Pharmacol** 1986 Oct–Dec;17(4):561–6

Discriminative stimulus properties of buspirone in the pigeon. Mansbach RS, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):364–9

Effects of BMY 14802, a potential antipsychotic drug, on rat brain dopaminergic function. Matthews RT, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):124–31

Tissue–dependent alpha adrenoceptor activity of buspirone and related compounds. Rimele TJ, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):771–8

Inhibitory effects of pyrimidine, barbituric acid and pyridine derivatives on 5–fluorouracil degradation in rat liver extracts. Tatsumi K, et al. **Jpn J Cancer Res** 1987 Jul; 78(7):748–55

Presynaptic control of dopamine metabolism in the nucleus accumbens. Lack of effect of buspirone as demonstrated using in vivo voltammetry. Louilot A, et al. **Life Sci** 1987 May 18;40(20):2017–24

Serum prolactin levels after buspirone in man. Seppälä T, et al. **Med Biol** 1987;65(1):61–3

Drug concentration–dependent DNA lesions are induced by the lipid–soluble antifolate, piritrexim (BW301U). Richards RG, et al. **Mol Pharmacol** 1986 Dec;30(6):651–8

Piperazine derivatives including the putative anxiolytic drugs, buspirone and ipsapirone, are agonists at 5–HT1A receptors negatively coupled with adenylate cyclase in hippocampal neurons. Bockaert J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):588–92

Effects of gepirone, an aryl–piperazine anxiolytic drug, on aggressive behavior and brain monoaminergic neurotransmission. McMillen BA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):454–64

Buspirone decreases the activity of serotonin–containing neurons in the dorsal raphe in freely–moving cats. Trulson ME, et al. **Neuropharmacology** 1986 Nov;25(11):1263–6

Lack of withdrawal signs of dependence following cessation of treatment or Ro–15,1788 administration to rats chronically treated with buspirone. Eison MS. **Neuropsychobiology** 1986;16(1):15–8

The effects of buspirone on sleep in the rat. Lerman JA, et al. **Neurosci Lett** 1986 Dec 3;72(1):64–8

Buspirone effects in an animal conflict procedure: comparison with diazepam and phenobarbital. McCloskey TC, et al. **Pharmacol Biochem Behav** 1987 May;27(1):171–5

Effect of the anxiolytic drug buspirone on prolactin and corticosterone secretion in stressed and unstressed rats. Urban JH, et al. **Pharmacol Biochem Behav** 1986 Aug; 25(2):457–62

Compatibility of sulfadimethoxine and ormetoprim with lasalocid and monensin on performance of male broiler chickens. Davami A, et al. **Poult Sci** 1987 Feb;66(2):373–5

Toxicity of folic acid analogs in cultured human cells: a microtiter assay for the analysis of drug competition. Roos DS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4860–4

The interoceptive discriminative stimuli induced by the novel putative anxiolytic TVX Q 7821: behavioral evidence for the specific involvement of serotonin 5–HT1A receptors. Spencer DG Jr, et al. **Psychopharmacology (Berlin)** 1987; 91(1):25–9

Resistance of Trichostrongylus colubriformis to levamisole and morantel: differences in relation to selection history. Waller PJ, et al. **Vet Parasitol** 1986 Oct;21(4):255–63

[Quantitative structure–activity relationships of the inhibition of Escherichia coli bacteria (1515) by 5–(substituted–benzyl)–2,4–diaminopyrimidines] Fang ZX, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):23–7 (Eng. Abstr.) **(Chi)**

[Investigation of the selectivity of the dihydrofolate reductase inhibitor 5–substituted benzyl–2,4–diamino–pyrimidines] Li RL, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):753–60 (Eng. Abstr.) **(Chi)**

[Effect of buspirone and diazepam on cGMP level in the rat cerebellum] Korneev AIa, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):292–4 (Eng. Abstr.) **(Rus)**

[Effect of anxiolytics—buspirone and diazepam—on the prolactin, thyrotropin and cortisol content of the blood in the green monkey] Korneev AIa, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):726–9 (Eng. Abstr.) **(Rus)**

[Effect of trapidil and papaverine on thrombocyte aggregation and phosphodiesterase activity] Glusa E. **Farmakol Toksikol** 1986 Nov–Dec;49(6):48–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Nucleotide sequence and expression of the pyrC gene of Escherichia coli K–12. Wilson HR, et al. **J Bacteriol** 1987 Jul;169(7):3051–8

POISONING

Conubial dermatitis from Morantel. Newton JA, et al. **Contact Dermatitis** 1987 Feb;16(2):107–8

Connubial dermatitis from morantel. Newton JA, et al. **Contact Dermatitis** 1987 Jan;16(1):38–9

RADIATION EFFECTS

Radioprotection of pyrimidines by oxygen and sensitization by phosphate: a feature of their electron adducts. Deeble DJ, et al. **Int J Radiat Biol** 1987 May;51(5):791–6

THERAPEUTIC USE

Failure of buspirone to manage benzodiazepine withdrawal. Schweizer E, et al. **Am J Psychiatry** 1986 Dec; 143(12):1590–2

Effect of sulfadimethoxine–ormetoprim in the treatment of calves with induced Pasteurella pneumonia. Ames TR, et al. **Am J Vet Res** 1987 Jan;48(1):17–20

Efficacy of a morantel sustained–release bolus for the control of gastrointestinal nematodes in Florida dairy heifers. Bradley RE, et al. **Am J Vet Res** 1986 Nov;47(11):2385–8

Efficacy of a morantel sustained–release bolus for control of gastrointestinal parasites in winter–grazed steers in Mississippi. Hawkins JA, et al. **Am J Vet Res** 1987 May; 48(5):848–51

Alternatives to allopurinol [letter] Jawad AS. **Ann Rheum Dis** 1987 Jun;46(6):493

Phase II trial of oral piritrexim (BW301U) in patients with stage III non–small cell lung cancer. Kris MG, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):763–4

Oxypurinol limits myocardial stunning but does not reduce infarct size after reperfusion. Puett DW, et al. **Circulation** 1987 Sep;76(3):678–86

Failure of orally administered RA233 to influence B16 melanoma growth or metastasis. Stackpole CW, et al. **Clin Exp Metastasis** 1987 Apr–Jun;5(2):165–80

Buspirone in Parkinson's disease. Hammerstad JP, et al.

Clin Neuropharmacol 1986;9(6):556–60

Buspirone: a non–benzodiazepine for anxiety. The Medical Letter. **Conn Med** 1987 Apr;51(4):257

Buspirone: a new treatment for anxiety. Krummel S, et al. **Iowa Med** 1987 Jun;77(6):292–3, 295

Effect of buspirone on sexual dysfunction in patients with generalized anxiety disorder. Othmer E, et al. **J Clin Psychiatry** 1987 May;48(5):201–3

Gepirone in anxiety: a pilot study. Csanalosi I, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):31–3

The effect of buspirone on panic disorder: a case report [letter] Frazer GA, et al. **J Clin Psychopharmacol** 1987 Apr; 7(2):118–9

A comparison of buspirone and placebo in relieving benzodiazepine withdrawal symptoms. Lader M, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):11–5

A comparison of buspirone, diazepam, and placebo in patients with chronic anxiety states. Olajide D, et al. **J Clin Psychopharmacol** 1987 Jun;7(3):148–52

Failure of buspirone to protect against lorazepam withdrawal symptoms [letter] Jerkovich GS, et al. **JAMA** 1987 Jul 10; 258(2):204–5

Buspirone in the treatment of tardive dyskinesia. Ross CA. **Med Hypotheses** 1987 Mar;22(3):321–8

Buspirone: a non–benzodiazepine for anxiety. **Med Lett Drugs Ther** 1986 Dec 5;28(728):117–8

Buspirone. Just another antianxiety agent? Poe TE. **NC Med J** 1987 Jun;48(6):341–2

Antimetastatic effect of flurbiprofen and other platelet aggregation inhibitors. Mamytbeková A, et al. **Neoplasma** 1986;33(4):417–21

New drugs for use in 1987—Part Two. Hussar DA. **Pa Med** 1987 Jun;90(6):59–62, 64–7 contd

Efficacy of morantel sustained release bolus against gastrointestinal nematodes in first season grazing Holstein calves. Syhre DR, et al. **Vet Parasitol** 1987 Feb; 23(3–4):223–35

Control of gastrointestinal parasitism in calves in Sweden over six years using the morantel sustained release bolus. Törnquist M, et al. **Vet Parasitol** 1987 Jun;25(1):47–60

Control of parasitic gastroenteritis in calves with the morantel sustained release bolus: effect of prior grazing with adult cattle. Fox MT, et al. **Vet Rec** 1987 Jul 11; 121(2):42–3

[Effect of Sulfakombin SPOFA on the dynamics of the extent of coccidiosis in small rabbit breeding operations] Dousek J, et al. **Vet Med (Praha)** 1987 Jan;32(1):45–52 (Eng. Abstr.) **(Cze)**

[Co–tetroxazine: review and personal contributions] Ferrara A, et al. **G Ital Chemioter** 1986 Jan–Apr;33(1):27–44 (Eng. Abstr.) **(Ita)**

[Clinical utility of trapidil (MDR–1865) in treating diabetic retinopathy—a multicenter, placebo–controlled, double–blind study] Fukuda M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1532–49 (Eng. Abstr.) **(Jpn)**

[Effect of trapidil on neuropathy in diabetic mice] Inaba H, ,et al. **Nippon Yakurigaku Zasshi** 1986 Aug;88(2):95–9 (Eng. Abstr.) **(Jpn)**

[Protective effect of thromboxane A2 synthetase inhibitor (trapidil) on acutely–induced cerebral ischemia] Katayama Y, et al. **No To Shinkei** 1986 Oct;38(10):925–31 (Eng. Abstr.) **(Jpn)**

[Nonspecific immunotherapy using 2,4,6–trimethylhydroxypyrimidine (OPM–111) in Mycoplasma arthritidis infection in mice] Rakovskaia IV, et al. **Antibiot Med Biotekhnol** 1986 Dec;31(12):914–7 (Eng. Abstr.) **(Rus)**

[Determination of the individual sensitivity of human stomach cancer cells to fluoropyrimidines by the cytomorphological criteria of heterotransplants in diffusion chambers] Zhero SV, et al. **Eksp Onkol** 1986;8(6):57–62 (Eng. Abstr.) **(Rus)**

TOXICITY

Direct effects of the pyrimido–pyrimidine derivative RA 233 (Rapenton) on rat 13762NF mammary tumor cell clones in vitro. Lichtner RB, et al. **Cancer Res** 1987 Apr 1; 47(7):1870–7

Studies to elucidate the mechanism of fenarimol–induced infertility in male rats. Hirsch KS, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):391–9

[Scientific basis for the MAC of hydroxypyrimidine in the water of bodies water] Fomochkin II, et al. **Gig Sanit** 1987 Mar;(3):69–70 **(Rus)**

PYRIMIDINONES

Fluorescent properties of merocyanine 540 in solutions of sialogangliosides. Guarcello V, et al. **Biochim Biophys Acta** 1987 Feb 14;917(2):318–23

Laboratory and field evaluations of hydramethylnon bait formulations for control of American and German cockroaches (Orthoptera: Blattellidae). Milio JF, et al. **J Econ Entomol** 1986 Oct;79(5):1280–6

Cumulative toxicity and delayed temperature effects of hydramethylnon on German cockroaches (Orthoptera: Blattellidae). Silverman J, et al. **J Econ Entomol** 1986 Dec; 79(6):1613–6

Dye–mediated photolysis of normal and neoplastic hematopoietic cells. Sieber F, et al. **Leuk Res** 1987; 11(1):43–9

Photodynamic action of merocyanine 540 on artificial and natural cell membranes: involvement of singlet molecular oxygen. Kalyanaraman B, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2999–3003

[Stability testing of a new pyrido(1,2a)–pyrimidine derivative (CH–150). II. Study of its decomposition under the effect of light] Küttel S, et al. **Acta Pharm Hung** 1987 Mar; 57(1–2):11–7 **(Hun)**

ADMINISTRATION & DOSAGE

Pharmacological evaluation of combination therapy of P388 leukemia with cyclophosphamide and pyrimidinones. Li LH, et al. **Int J Immunopharmacol** 1987;9(1):31–9

Importance of No–Spa and Probon combination in the conservative treatment of ureterolithiasis patients. Vecsey D. **Ther Hung** 1984;32(3):127–9

ANALYSIS

Measurement of concentrations of the histamine H1 receptor antagonist temelastine in biological fluids. Rogers SJ, et al. **J Pharm Sci** 1986 Aug;75(8):813–4

The use of specific radioimmunoassay to determine action spectra for the photolysis of (6–4) photoproducts. Mitchell DL, et al. **Photochem Photobiol** 1987 Jun;45(6):781–6

Action spectra for the induction of pyrimidine(6–4)pyrimidone photoproducts and cyclobutane pyrimidine dimers in normal human skin fibroblasts. Rosenstein BS, et al. **Photochem Photobiol** 1987 Jun; 45(6):775–80

CHEMICAL SYNTHESIS

Synthesis of pyrido[1,2–a]pyrimidin–4–ones. Potential antihypertensive agents. III. Da Settimo A, et al. **Farmaco [Sci]** 1986 Dec;41(12):926–33

Synthesis and structure–activity relationships of pyrazolo[4,3–d]pyrimidin–7–ones as adenosine receptor antagonists. Hamilton HW, et al. **J Med Chem** 1987 Jan; 30(1):91–6

[Derivatives of 5–(2–amino–4–oxo–6–methyl–3,4–dihydropyrimidine–5–yl)pentanoic acid] Křepelka J, et al. **Cesk Farm** 1987 Mar; 36(2):54–7 (Eng. Abstr.) **(Cze)**

DIAGNOSTIC USE

Maps of optical action potentials and NADH fluorescence in intact working hearts. Salama G, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H384–94

A fluorescent dye which recognizes mature peripheral erythrocytes of myeloproliferative disorders. Reed JA, et al. **Cell Biol Int Rep** 1987 Jan;11(1):55–62

METABOLISM

The interaction of potential–sensitive molecular probes with dimyristoylphosphatidylcholine vesicles investigated by 31P–NMR and electron microscopy. Bammel BP, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):136–52

Evidence for low brain penetration by the H1–receptor antagonist temelastine (SK&F 93944). Calcutt CR, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):65–74

Perfluorinated fatty acids alter merocyanine 540 dye binding to plasma membranes. Levitt D, et al. **J Toxicol Environ Health** 1987;20(3):303–16

PHARMACODYNAMICS

Effects on immune reactions of non–steroidal anti–inflammatory drugs and of two new pyrido–pyrimidine derivatives (CHINOIN 127 and CHINOIN 105). Kalmár L, et al. **Acta Med Hung** 1986; 43(3):255–63

Oxidative inactivation of the calcium–stimulated neutral proteinase from human red blood cells by divicine and intracellular protection by reduced glutathione. Morelli A, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):1–8

Increased thyroxine clearance in rats treated with high doses of a histamine H2–antagonist, SKF 93479. Brown CG, et al. **Arch Toxicol [Suppl]** 1987;11:253–6

Thyroid toxicity and iodothyronine deiodination. Jones CA, et al. **Arch Toxicol [Suppl]** 1987;11:250–2

The diacylglycerol kinase inhibitor, R59022, enhances the superoxide generation from human neutrophils induced by stimulation of fMet–Leu–Phe, IgG and C3b receptors. Muid RE, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):630–7

Effects of dehydrouramil on protein phosphorylation and insulin secretion in rat islets of Langerhans. Harrison DE, et al. **Biochem J** 1986 Jul 1;237(1):191–6

No effects on sleep of a histamine H1–receptor antagonist: temelastine. Adam K, et al. **Br J Clin Pharmacol** 1986 Dec; 22(6):718–20

Pharmacological studies with SK&F 93944 (temelastine), a novel histamine H1–receptor antagonist with negligible ability to penetrate the central nervous system. Brown EA, et al. **Br J Pharmacol** 1986 Mar;87(3):569–78

Comparison of the cytotoxic effects of merocyanine–540 on leukemic cells and normal human bone marrow. Atzpodien J, et al. **Cancer Res** 1986 Oct;46(10):4892–5

Acute and subacute actions on human performance and interactions with diazepam of temelastine (SK&F93944) and diphenhydramine. Mattila MJ, et al. **Eur J Clin Pharmacol** 1986;31(3):291–8

Temelastine, a novel histamine H1–receptor antagonist, does not induce oxidative hepatic enzyme activity in man. de Mey C, et al. **Eur J Drug Metab Pharmacokinet** 1987 Jan–Mar;12(1):65–9

In vitro purging of leukemia and solid tumor cells by merocyanine 540. Manna A, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):177–9

Neuroendocrine effects of setoperone: a new neuroleptic drug. Meco G, et al. **Int J Clin Pharmacol Res** 1986; 6(6):465–8

Membrane potential–dependent effects of SC–36602, a new class I antiarrhythmic agent on cardiac action potentials. Borowicz LE, et al. **J Cardiovasc Pharmacol** 1987 Jan; 9(1):57–64

Temelastine, a new H1–receptor antagonist. Alexander F, et al. **J Int Med Res** 1986;14(4):200–4

Histamine H1–receptor antagonist activity assessed in conscious dogs. Wright A, et al. **J Pharmacol Methods** 1987 Sep;18(2):123–9

Opposite regulation of serotonin–S2 and dopamine–D2 receptors in rat brain following chronic receptor blockade. Leysen JE, et al. **J Recept Res** 1987;7(1–4):223–39

Differential regulation of dopamine–D2 and serotonin–S2 receptors by chronic treatment with the serotonin–S2 antagonists, ritanserin, and setoperone. Leysen JE, et al. **Psychopharmacol Ser** 1987;3:214–24

THERAPEUTIC USE

Antitumor activity of pyrimidinones, a class of small–molecule biological response modifiers. Li LH, et al. **J Biol Response Mod** 1987 Feb;6(1):44–55

Effect of mouse hepatitis virus infection on combination therapy of P388 leukemia with cyclophosphamide and pyrimidinones. Li LH, et al. **Lab Anim Sci** 1987 Feb; 37(1):41–4

Elimination of residual tumor cells from autologous bone marrow grafts by dye–mediated photolysis: preclinical data. Sieber F. **Photochem Photobiol** 1987 Jul;46(1):71–6

TOXICITY

Assessment of thyrotoxicity using in vitro cell culture systems. Brown CG, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):557–62

Gastric neuroendocrine cell hyperplasia after treatment with the long–acting, potent H2–receptor antagonist SK&F 93479. Harleman JH, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):595–600

PYRIMIDONES see **PYRIMIDINONES**

PYRITHIAMINE see under **PYRIDINIUM COMPOUNDS**

PYRITHIOXIN see under **PYRIDINES**

PYROCATECHOLS see **CATECHOLS**

PYRODIFENIUM BROMIDE see under **PYRROLIDINES**

PYROGALLOL

ANALOGS & DERIVATIVES

Dimerization of 2,6–dimethoxyphenol by Aspergillus flavus: evidence for the reaction occurring close to mycelia. Betts WB, et al. **Microbios** 1987;49(199):123–9

PHARMACODYNAMICS

On the role of O–methylation in the metabolism of S–adenosylmethionine in rat brain. Waldmeier PC, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2855–61

THERAPEUTIC USE

Pyrogallol in the tumour stage of mycosis fungoides: a case report. van de Kerkhof PC. **Acta Derm Venereol (Stockh)** 1986;66(4):361–3

PYROGENS

Pyrogens fail to produce fever in the leopard tortoise Geochelone pardalis. Zurovsky Y, et al. **Comp Biochem Physiol [A]** 1987;87(2):467–9

Pyrogens fail to produce fever in the snakes Psammophis phillipsii and Lamprophis fuliginosus. Zurovsky Y, et al. **Comp Biochem Physiol [A]** 1987;87(4):911–4

Augmentation of endotoxin fever by recombinant human beta interferon in rabbits. Kawasaki H, et al. **Infect Immun** 1987 May;55(5):1121–5

Characterization of the pyrogenicity of two different lipopolysaccharides and their lipid A–bovine serum albumin complexes. Ogawa Y, et al. **J Pharmacobiodyn** 1986 Sep;9(9):722–8

[Inflammation and production of monokines. Hyperthermia induced by interleukin 1, endogenous pyrogen] Murakami N. **Nippon Rinsho** 1987 May;45(5):961–8 (20 ref.) **(Jpn)**

[Permeability of cuprophane membranes to pyrogens in capillary dialyzers] Višacki M, et al. **Med Pregl** 1986; 39(7–8):355–7 (Eng. Abstr.) **(Scr)**

ANALYSIS

The limulus amoebocyte lysate (LAL) assay—a replacement

for the rabbit pyrogen test. Booth C. **Dev Biol Stand** 1986; 64:271–5

Validating an LAL chromogenic substrate pyrogen test for large volume parenterals. Weary M, et al. **Prog Clin Biol Res** 1987;231:307–22

ANTAGONISTS & INHIBITORS

The pyrogenic actions of the interferon-inducer, polyinosinic:polycytidylic acid are antagonised by ketoprofen. Rotondo D, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):257–60

Dexamethasone pre-treatment is antipyretic toward polyinosinic: polycytidylic acid, lipopolysaccharide and interleukin 1/endogenous pyrogen. Abul H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):305–9

BLOOD

Production of pyrogen by polymorphonuclear leukocytes during the course of casein-induced peritonitis in rabbits. Kitamura M, et al. **Acta Pathol Jpn** 1986 Jun;36(6):791–803

ISOLATION & PURIFICATION

Adsorbents for removal of pyrogen. Tosa T, et al. **Ann NY Acad Sci** 1987;501:395–402

PHARMACODYNAMICS

Effects of endogenous pyrogen and prostaglandin E2 on hypothalamic neurons in rat brain slices. Watanabe T, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1382–8

Responses of baboons to traditionally pyrogenic agents. Zurovsky Y, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1402–7

Fever in snails, reflection on a negative result. Cabanac M, et al. **Comp Biochem Physiol [A]** 1987;87(4):1017–20

[Effect of the bacterial polysaccharide pyrogenal on embryogenesis in noninbred white rats] Bandazhevskiĭ IuI. **Farmakol Toksikol** 1987 May–Jun;50(3):67–8 (Eng. Abstr.) **(Rus)**

[Role of bacterial pyrogen in the development of antidiuresis in fever] Mgaloblishvili GI, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):74–7 (Eng. Abstr.) **(Rus)**

STANDARDS

[The actions and properties of sodium nucleinate used as a pyrogen working standard. 2. Synthesis of endogenous pyrogen following intravenous injection of sodium nucleinate] Dressel H. **Pharmazie** 1986 Dec;41(12):886–7 **(Ger)**

[The actions and properties of sodium nucleinate used as a pyrogen working standard. 1. The course of body temperature of rabbits following intravenous injection with sodium nucleinate] Dressel H. **Pharmazie** 1986 Dec; 41(12):885 **(Ger)**

PYROGLOBULINS see under **PARAPROTEINS**

PYROGLUTAMATE AMINOPEPTIDASE see under **AMINOPEPTIDASES**

PYROGLUTAMATE HYDROLASE see under **AMIDOHYDROLASES**

PYRONES see under **PYRANS**

PYRONINE see under **XANTHENES**

PYROPHOSPHATASES

ANALYSIS

[Monomeric form of E. coli pyrophosphatase. Regulatory properties, stability and interaction with affinity inhibitors] Borshchik IB, et al. **Bioorg Khim** 1986 Jul;12(7):902–5 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Enhancement of methotrexate cytotoxicity by uracil analogues that inhibit deoxyuridine triphosphate nucleotidohydrolase (dUTPase) activity. Beck WR, et al. **Adv Exp Med Biol** 1986;195 Pt B:97–104

In vivo effects of mercury (II) on deoxyuridine triphosphate nucleotidohydrolase, DNA polymerase (alpha, beta), and uracil–DNA glycosylase activities in cultured human cells: relationship to DNA damage, DNA repair, and cytotoxicity. Williams MV, et al. **Mol Pharmacol** 1987 Feb; 31(2):200–7

BLOOD

[Effect of selected phosphate esters on inosine-5-diphosphate pyrophosphohydrolase (ITPH) activity in erythrocytes] Kopff M. **Acta Haematol Pol** 1986 Jul–Dec;17(3–4):116–21 (Eng. Abstr.) **(Pol)**

GENETICS

Similarities between soluble inorganic pyrophosphatase from yeast and some nucleotide-binding polypeptides. Baltscheffsky H, et al. **Acta Chem Scand [B]** 1987 Feb; 41(2):106–7

Localization of the inosine triphosphatase locus (Itp) on chromosome 2 of the mouse. Taylor BA, et al. **Biochem Genet** 1987 Apr;25(3–4):267–74

ISOLATION & PURIFICATION

Purification and characterization of deoxyuridine triphosphate nucleotidohydrolase from anemic rat spleen: a trimer composition of the enzyme protein. Hokari S, et al. **Arch Biochem Biophys** 1987 Mar;253(2):350–6

Overproduction and large-scale preparation of deoxyuridine triphosphate nucleotidohydrolase from Escherichia coli. Hoffmann I, et al. **Eur J Biochem** 1987 Apr 1;164(1):45–51

Purification and characterization of an inorganic pyrophosphatase from the extreme thermophile Thermus aquaticus. Verhoeven JA, et al. **J Bacteriol** 1986 Oct; 168(1):318–21

[Functionally important lysine residues in inorganic pyrophosphatase from E. coli. II. Isolation and characteristics of modified tryptic peptide and analysis of the functional role of lysine residues controlling enzyme activity] Komissarov AA, et al. **Bioorg Khim** 1987 May; 13(5):599–605 (Eng. Abstr.) **(Rus)**

METABOLISM

Fluorometric assay for ADP-ribosylarginine cleavage enzymes. Pope MR, et al. **Anal Biochem** 1987 Jan; 160(1):68–77

Glutamic acid–149 is important for enzymatic activity of yeast inorganic pyrophosphatase. Gonzalez MA, et al. **Biochemistry** 1986 Nov 4;25(22):7179–85

Investigation of the regiospecificity and stereospecificity of proton transfer in the yeast inorganic pyrophosphatase catalyzed reaction. Lin I, et al. **Biochemistry** 1986 Aug 12; 25(16):4688–92

Nucleoside triphosphate pyrophosphatase of rabbit matrix vesicles, a mechanism for the generation of inorganic pyrophosphate in epiphyseal cartilage. Caswell AM, et al. **Biochim Biophys Acta** 1987 May 19;924(2):276–83

Cytochemical localization of thiamine pyrophosphatase and nicotinamide adenine dinucleotide phosphatase activities in rat epiphyseal chondrocytes. Velasco A, et al. **Biol Cell** 1987;59(2):161–8

Studies on inorganic pyrophosphatase using imidodiphosphate as a substrate. Smirnova IN, et al. **FEBS Lett** 1986 Sep 29;206(1):121–4

Localization of nucleotide pyrophosphatase in the rat kidney. Le Hir M, et al. **Histochemistry** 1986;86(2):207–10

The deposition of calcium pyrophosphate by NTP pyrophosphohydrolase of matrix vesicles from fetal bovine epiphyseal cartilage. Hsu HH, et al. **Int J Biochem** 1986; 18(12):1141–6

The phosphate–pyrophosphate exchange and hydrolytic reactions of the membrane-bound pyrophosphatase of Rhodospirillum rubrum: effects of pH and divalent cations. Celis H, et al. **J Bioenerg Biomembr** 1987 Jun;19(3):255–72

Inorganic pyrophosphatase activity in a plaque calcifying microorganism: Bacterionema matruchotii. Pellat BP, et al. **J Biol Buccale** 1986 Sep;14(3):223–8

Drosophila deoxyuridine triphosphatase. Purification and characterization. Giroir LE, et al. **J Biol Chem** 1987 Jan 5;262(1):130–4

Normal activity of nucleoside triphosphate pyrophosphatase in alkaline phosphatase-deficient fibroblasts from patients with infantile hypophosphatasia. Caswell AM, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1237–41

Thiamine triphosphate and membrane-associated thiamine phosphatases in the electric organ of Electrophorus electricus. Bettendorff L, et al. **J Neurochem** 1987 Aug; 49(2):495–502

Postischemic alterations in ultrastructural cytochemistry of neuronal Golgi apparatus. Petito CK, et al. **Lab Invest** 1986 Dec;55(6):696–702

Characterization of a herpes simplex virus type 2 deoxyuridine triphosphate nucleotidohydrolase and mapping of a gene conferring type specificity for the enzyme. Williams MV, et al. **Virology** 1987 Feb; 156(2):282–92

[Functionally important lysine residues in inorganic pyrophosphatase from E. coli. I. Interaction of inorganic pyrophosphatase with pyridoxal-5'-phosphate] Komissarov AA, et al. **Bioorg Khim** 1987 May;13(5):592–8 (Eng. Abstr.) **(Rus)**

[Ultrastructural localization of thiamine pyrophosphatase activity in the epitheliocytes of duodenal biopsies in peptic ulcer] Panasiuk GV, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):749–54 (Eng. Abstr.) **(Rus)**

PYROPHOSPHATES

Structural and biochemical properties of bidentate tetraaquarhodium(III) complexes of inorganic pyrophosphate and adenosine 5'-diphosphate. Shorter AL, et al. **Biochemistry** 1987 Apr 7;26(7):2060–6

[Acute, recurrent medio-cubital nerve compression of the wrist caused by deposits of pyrophosphate crystals. A case] Chaise F, et al. **Rev Rhum Mal Osteoartic** 1986 Jun; 53(6):385–7 **(Fre)**

[New knowledge on the calcium pyrophosphate dihydrate (CPPD) crystal deposition disease in the cervical ligamentum flavum] Kawano N, et al. **No Shinkei Geka** 1987 Feb;15(2):181–90 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Arthropathies associated with calcium-containing crystals. McCarty DJ. **Hosp Pract [Off]** 1986 Oct 15;21(10):109–15, 118–20

ANALYSIS

ATP sulfurylase-dependent assays for inorganic pyrophosphate: applications to determining the equilibrium constant and reverse direction kinetics of the pyrophosphatase reaction, magnesium binding to orthophosphate, and unknown concentrations of pyrophosphate. Daley LA, et al. **Anal Biochem** 1986 Sep; 157(2):385–95

Calcium pyrophosphate crystals in intermittent hydrarthrosis. Bukosza M, et al. **J Rheumatol** 1986 Oct;13(5):967–8

Application of overpressured layer chromatography in the quality control of radiopharmaceuticals. Klivényi G, et al. **Radiobiol Radiother (Berl)** 1987;28(1):97–100

Calcium pyrophosphate dihydrate microcrystal-associated arthropathy. Laschi R, et al. **Ultrastruct Pathol** 1986; 10(5):395–400

BLOOD

[Role of tin (II) and pyrophosphate in the process of technetium-99m binding in erythrocytes] Popowska E, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul–Aug;50(4):213–8 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Experimental evaluation of technetium-99m red blood cell radionuclide ventriculography for detecting pericardial bleeding. Bateman TM, et al. **Am Heart J** 1987 Apr; 113(4):977–83

Early identification of amyloid heart disease by technetium-99m-pyrophosphate scintigraphy: a study with familial amyloid polyneuropathy. Hongo M, et al. **Am Heart J** 1987 Mar;113(3):654–62

Clinical significance of early myocardial 99mTc-pyrophosphate uptake in patients with acute myocardial infarction. Kondo M, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):250–6

Utility of technetium Tc 99m pyrophosphate bone scanning in cardiac amyloidosis. Gertz MA, et al. **Arch Intern Med** 1987 Jun;147(6):1039–44

Technetium pyrophosphate muscle scans in inflammatory muscle disease. Yonker RA, et al. **Br J Rheumatol** 1987 Aug;26(4):267–9

Septal infarction demonstrated on technetium-99m PYP SPECT. Intenzo CM, et al. **Clin Nucl Med** 1986 Feb; 11(2):82–3

Myocardial infarct imaging in patients with technetium-99m 2,3-dimercaptosuccinic acid. Superiority of technetium-99m pyrophosphate. Lyons KP, et al. **Clin Nucl Med** 1987 Jul;12(7):514–8

Technetium-99m pyrophosphate single-photon emission computed tomography of the heart in familial amyloid polyneuropathy. Karp K, et al. **Int J Cardiol** 1987 Mar; 14(3):365–9

Myocardial damage delineated by indium-111 antimyosin Fab and technetium-99m pyrophosphate. Khaw BA, et al. **J Nucl Med** 1987 Jan;28(1):76–82

Recognition of reversible and irreversible myocardial injury by technetium pyrophosphate extraction kinetics. Silva R, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):104–9

Prognostic value and limitation of doughnut pattern of technetium-99m pyrophosphate myocardial uptake in acute anterior infarction. Minamiji K, et al. **Jpn Circ J** 1987 Apr; 51(4):363–73

Incidence, severity and clinical course of right ventricular involvement after acute inferior myocardial infarction; assessment by sequential 99Tcm-pyrophosphate scan and gated blood pool scan. Nishimura T, et al. **Nucl Med Commun** 1986 Dec;7(12):887–96

Ligand-free, protein-bound technetium-99m iron-dextran enhancement of technetium pyrophosphate uptake in tumours. Pojer PM, et al. **Nucl Med Commun** 1985 Jun; 6(6):359–63

Frostbite and bone scanning: the use of 99m-labeled phosphates in demarcating the line of viability in frostbite victims. Ikawa G, et al. **Orthopedics** 1986 Sep;9(9):1257–61

Frostbite: experimental assessment of tissue damage using Tc-99m pyrophosphate. Work in progress. Salimi Z, et al. **Radiology** 1986 Oct;161(1):227–31

[The importance of the current use of pyrophosphate scintigraphy and other noninvasive methods in the detection of cardiac damage in systemic lupus erythematosus] Duška F, et al. **Cas Lek Cesk** 1986 Sep 26;125(38–39):1216–9 (Eng. Abstr.) **(Cze)**

[Methodological aspects of the determination of the capillary filtrate in the extremities. Simultaneous measurement of leg and regional blood volume by plethysmography and Tc-99m-labeled erythrocytes] Mostbeck A. **Vasa** 1986; 15(3):233–40 (Eng. Abstr.) **(Ger)**

[Assessment of kidney function with 99mTc-pyrophosphate during the scintigraphy of the joints in rheumatoid arthritis patients] Davydov GA, et al. **Med Radiol (Mosk)** 1987 Mar; 32(3):57–60 (Eng. Abstr.) **(Rus)**

[Radionuclide visualization of non-skeletogenous tumors using 99mTc-phosphates] Mechev DS, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):44–7 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of scintigraphy in various diseases and injuries of the hand] Kozlov IA, et al. **Ortop Travmatol Protez** 1987 Feb;(2):8–11 (Eng. Abstr.) **(Rus)**

[Radioisotope study of reparative osteogenesis in the treatment of transcondyloid fractures of the humerus (experimental study)] Sveshnikov AA, et al. **Ortop Travmatol Protez** 1987 Jan;(1):16–8 (Eng. Abstr.) **(Rus)**

[Myocardial scintigraphy with 99mTc–pyrophosphate] Tsygankov AT, et al. **Vrach Delo** 1986 Oct;(10):109–12 (Eng. Abstr.) **(Rus)**

[Use of technetium 99m radio-angiocardiography in the identification of myxoma of the right atrium. Presentation of 2 cases] Ban Hayashi E, et al. **Arch Inst Cardiol Mex** 1986 Nov–Dec;56(6):523–6 (Eng. Abstr.) **(Spa)**

[Myocardial scintigraphy with Tc 99m–pyrophosphate in patients with acute transmural myocardial infarction, non–transmural infarction and unstable angina] Dighero H, et al. **Rev Med Chil** 1986 Jun;114(6):546–51 (Eng. Abstr.) **(Spa)**

METABOLISM

Inorganic pyrophosphate release by rabbit articular chondrocytes in vitro. Prins AP, et al. **Arthritis Rheum** 1986 Dec;29(12):1485–92

Pyrophosphate–dependent sucrose metabolism and its activation by fructose 2,6–bisphosphate in sucrose importing plant tissues. Xu DP, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):440–5

Investigation of the regiospecificity and stereospecificity of proton transfer in the yeast inorganic pyrophosphatase catalyzed reaction. Lin I, et al. **Biochemistry** 1986 Aug 12; 25(16):4688–92

Nucleoside triphosphate pyrophosphatase of rabbit matrix vesicles, a mechanism for the generation of inorganic pyrophosphate in epiphyseal cartilage. Caswell AM, et al. **Biochim Biophys Acta** 1987 May 19;924(2):276–83

The deposition of calcium pyrophosphate by NTP pyrophosphohydrolase of matrix vesicles from fetal bovine epiphyseal cartilage. Hsu HH, et al. **Int J Biochem** 1986; 18(12):1141–6

Drug–induced Ca2+ release from isolated sarcoplasmic reticulum. I. Use of pyrophosphate to study caffeine–induced Ca2+ release. Palade P. **J Biol Chem** 1987 May 5;262(13):6135–41

Proximity and ligand–induced movement of interdomain residues in myosin subfragment 1 containing trapped MgADP and MgPPi probed by multifunctional cross–linking. Rajasekharan KN, et al. **J Biol Chem** 1987 Aug 15;262(23):11207–14

Evidence for an intermediate in DNA synthesis involving pyrophosphate exchange. A possible role in fidelity. Lecomte P, et al. **J Mol Biol** 1986 Jun 20;189(4):643–52

The accumulation of pyrophosphate by rat hepatocytes. Gitomer WL, et al. **Toxicol Ind Health** 1986 Sep; 2(3):299–307

[Deposition of pyrophosphate, chondrocalcinosis and chronic joint disease] Hansen SE. **Ugeskr Laeger** 1986 Nov 24; 148(48):3204–7 (29 ref.) (Eng. Abstr.) **(Dan)**

[Clinico–radiologic aspects of calcium pyrophosphate dihydrate deposition disease] Orzincolo C, et al. **Minerva Med** 1987 Mar 15;78(5):281–6 (Eng. Abstr.) **(Ita)**

[Effect of preliminary adaptation on 99mTc pyrophosphate accumulation and the development of structural changes in the heart muscle under stress] Malyshev VV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):390–2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Kinetic studies on the activation of pyrophosphate–dependent phosphofructokinase from mung bean by fructose 2,6–bisphosphate and related compounds. Bertagnolli BL, et al. **Biochemistry** 1986 Aug 12; 25(16):4682–7

Carbohydrate substrate specificity of bacterial and plant pyrophosphate–dependent phosphofructokinases. Bertagnolli BL, et al. **Biochemistry** 1986 Aug 12; 25(16):4674–81

Structural and biochemical properties of bidentate tetraaquarhodium(III) complexes of inorganic pyrophosphate and adenosine 5'-diphosphate. Shorter AL, et al. **Biochemistry** 1987 Apr 7;26(7):2060–6

Stiffness of skinned rabbit psoas fibers in MgATP and MgPPi solution. Brenner B, et al. **Biophys J** 1986 Oct;50(4):685–91

Ca2+–sensitive cross–bridge dissociation in the presence of magnesium pyrophosphate in skinned rabbit psoas fibers. Brenner B, et al. **Biophys J** 1986 Dec;50(6):1101–8

Soluble pyrophosphates and remineralisation [letter] Howden GF. **Br Dent J** 1986 Dec 6;161(11):393–4

Pyrophosphate–caused inhibition of the aminoacylation of tRNA by the leucyl–tRNA synthetase from Neurospora crassa. Airas RK, et al. **Eur J Biochem** 1986 Oct 15; 160(2):291–6

On the fidelity of DNA synthesis. Pyrophosphate–induced misincorporation allows detection of two proofreading mechanisms. Kunkel TA, et al. **J Biol Chem** 1986 Oct 15; 261(29):13610–6

Kinetics of pyrophosphate induced iron release from diferric ovotransferrin. Cheuk MS, et al. **J Inorg Biochem** 1987; 29(4):301–11

The effect of pH on the kinetics of iron release from diferric ovotransferrin induced by pyrophosphate. Cheuk MS, et al. **J Inorg Biochem** 1987 Jun;30(2):121–31

The effects of glycosaminoglycans, pyrophosphate and allopurinol treatment on urease–induced crystallization in vitro. Hedelin H, et al. **Urol Res** 1986;14(6):305–7

Inhibition of calcium oxalate monohydrate (COM) crystal growth by pyrophosphate, citrate and rat urine. Sidhu H, et al. **Urol Res** 1986;14(6):299–303

[Effects of calcium pyrophosphate and hydroxyapatite crystals on the production of oxygen free radicals by polymorphonuclear neutrophil leukocytes] Calabria AA, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):691–7 (Eng. Abstr.) **(Ita)**

TOXICITY

Crystal–induced inflammation in the rat subcutaneous air–pouch. Brooks PM, et al. **Br J Pharmacol** 1987 Feb; 90(2):413–9

PYROSIS see HEARTBURN

PYRROLES

Mutagenicity of nitroxide–free radicals. Sies H, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):393–6

Molecular orbital calculations on the oligopeptides netropsin, distamycin and related compounds. Manning MC, et al. **Biopolymers** 1986 Nov;25(11):2065–82

Determination of corticoids using pyrrole. V. Studies on the colored products. Tokunaga H, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1118–27

Evidence for lack of specificity of the DA/DAPI technique. Pérez–Castillo A, et al. **Cytogenet Cell Genet** 1987;45(1):62

Interaction of synthetic analogs of distamycin with DNA. Role of the conjugated N–methylpyrrole system in specificity of binding. Parrack P, et al. **FEBS Lett** 1987 Feb 23;212(2):297–301

Conformations of complexes between pyrrolo[1,4]benzodiazepines and DNA segments. Remers WA, et al. **J Med Chem** 1986 Dec;29(12):2492–503

Solubilization of zomepirac. Walkling WD, et al. **J Parenter Sci Technol** 1982 Sep–Oct;36(5):190–2

A comparison of pyrrolidide and picolinyl ester derivatives for the identification of fatty acids in natural samples by gas chromatography–mass spectrometry. Christie WW, et al. **Lipids** 1986 Oct;21(10):657–61

ADVERSE EFFECTS

[Drug surveillance: example of bayesian imputation of an adverse reaction] Biron P. **Union Med Can** 1987 Feb; 116(2):86–8 (Eng. Abstr.) **(Fre)**

ANALYSIS

DA–DAPI positive heterochromatin in the interphase nuclei of human white blood cells. Gruber K, et al. **Haematologica (Pavia)** 1987 Jan–Feb;72(1):5–9

The aqueous humor of rabbit contains high concentrations of pyrroline–5–carboxylate. Fleming GA, et al. **Metabolism** 1986 Oct;35(10):933–7

BLOOD

Automated sample preparation and chromatographic analysis: determination of CGS 10787B and related compounds. Luders RC, et al. **J Chromatogr Sci** 1987 May; 25(5):192–7

The effects of pH, calcium and chloride ions on the binding of tolmetin to human serum albumin: circular dichroic, dialysis and fluorometric measurements. Matsuyama K, et al. **J Pharm Pharmacol** 1987 Mar;39(3):190–5

CHEMICAL SYNTHESIS

Synthesis and pharmacological investigation of beta–substituted pyrrolo derivatives. De Micheli C, et al. **Farmaco [Sci]** 1986 Dec;41(12):913–25

Synthesis and antineoplastic activity of bis[[[(alkylamino)carbonyl]oxy]methyl]–substituted 3–pyrrolines as prodrugs of tumor inhibitory pyrrole bis(carbamates). Anderson WK, et al. **J Med Chem** 1986 Nov;29(11):2241–9

Comparison of the chemical reactivities and antineoplastic activities of alpha,beta–, alpha,beta'–, beta,beta'–, and alpha,alpha'-bis[[[(2–propylamino)carbonyl]oxy]methyl]–substituted pyrroles. Anderson WK, et al. **J Med Chem** 1986 Nov;29(11):2392–5

Amnesia–reversal activity of a series of cyclic imides. Butler DE, et al. **J Med Chem** 1987 Mar;30(3):498–503

Structure–activity relationship of novel oligopeptide antiviral and antitumor agents related to netropsin and distamycin. Lown JW, et al. **J Med Chem** 1986 Jul;29(7):1210–4

1–Amino–substituted 4–methyl–5H–pyrido[3',4':4,5]pyrrolo[3,2–c]pyridines: a new class of antineoplastic agents. Nguyen CH, et al. **J Med Chem** 1987 Sep;30(9):1642–7

[Synthesis and analgesic activity of 3,4–dichloro–N–methyl–N–[trans–2–(1–delta 3–pyrrolinyl)–cyclohexyl]–benzenacetamide hydrochloride] Ma SC, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):861–3 (Eng. Abstr.) **(Chi)**

[Anti–inflammatory 2,3–dihydro–1H–pyrrolizines. 10. 6,7–diarylsubstituted 1– and 3– pyrrolizinones (1–DAPON and 3–DAPON)] Dannhardt G, et al. **Arch Pharm (Weinheim)** 1986 Aug;319(8):749–55 (Eng. Abstr.) **(Ger)**

METABOLISM

DNA–binding characteristics of a synthetic analogue of distamycin. Dasgupta D, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):626–31

Kinetics and sequence specificity of drug–DNA interactions: an in vitro transcription assay. Phillips DR, et al. **Biochemistry** 1986 Nov 18;25(23):7355–62

Demonstration of a NADPH–linked delta 1–pyrroline–5–carboxylate–proline shuttle in a cell–free rat liver system. Hagedorn CH. **Biochim Biophys Acta** 1986 Oct 29;884(1):11–7

Comparison of binding sites in DNA for berenil, netropsin and distamycin. A footprinting study. Portugal J, et al. **Eur J Biochem** 1987 Sep 1;167(2):281–9

Mutagen formation in the reaction of Maillard browning products, 2–acetylpyrrole and its analogues, with nitrite. Yen GC, et al. **Food Chem Toxicol** 1986 Dec;24(12):1303–8

Ocular bioavailability and tissue distribution of [14C]ketorolac tromethamine in rabbits. Ling TL, et al. **J Pharm Sci** 1987 Apr;76(4):289–94

Mechanisms of in vitro pyrrole adduct autoxidation in 2,5–hexanedione–treated protein. DeCaprio AP. **Mol Pharmacol** 1986 Nov;30(5):452–8

n–Hexane neurotoxicity: a mechanism involving pyrrole adduct formation in axonal cytoskeletal protein. DeCaprio AP. **Neurotoxicology** 1987 Spring;8(1):199–210 (33 ref.)

Metabolic oxidation of the pyrrole ring: structure and origin of some urinary metabolites of the anti–hypertensive pyrrolylpyridazinamine, mopidralazine. III: Studies with the 13C–labelled drug. Assandri A, et al. **Xenobiotica** 1987 May;17(5):559–73

[Kinetics of the formation of AT–specific DNA–distamin complex] Sizova IA, et al. **Biofizika** 1986 Sep–Oct; 31(5):768–70 (Eng. Abstr.) **(Rus)**

[Kinetics of DNA–distaxin complex–formation] Sizova IA, et al. **Biofizika** 1987 Jan–Feb;32(1):154–5 (Eng. Abstr.) **(Rus)**

[Nucleotide sequences in DNA showing preferential binding with distamycin A and acridine derivatives] Iashina LN, et al. **Bioorg Khim** 1986 Jun;12(6):764–70 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Tolmetin–warfarin interaction [letter] Koren JF, et al. **Am J Med** 1987 Jun;82(6):1278–80

Specific activation of transcription initiation by the sequence–specific DNA–binding agents distamycin A and netropsin. Bruzik JP, et al. **Biochemistry** 1987 Feb 10; 26(3):950–6

Electrical and mechanical effects of BRL34915 in guinea–pig isolated trachealis. Allen SL, et al. **Br J Pharmacol** 1986 Oct;89(2):395–405

Effect of the K+ efflux stimulating vasodilator BRL 34915 on 86Rb+ efflux and spontaneous activity in guinea–pig portal vein. Quast U. **Br J Pharmacol** 1987 Jul;91(3):569–78

A novel antagonist of serotonergic receptors, hymenidin, isolated from the Okinawan marine sponge Hymeniacidon sp. Kobayashi J, et al. **Experientia** 1986 Oct 15; 42(10):1176–7

Effect of angiotensin converting enzyme inhibitors on the vasoconstrictor action of angiotensin I on isolated rat kidney. Schmidt M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S100–5

Effect of preischemia cyclooxygenase inhibition by zomepirac sodium on reflow, cerebral autoregulation, and EEG recovery in the cat after global ischemia. Stevens MK, et al. **J Cereb Blood Flow Metab** 1986 Dec; 6(6):691–702

Pyrroloisoquinoline antidepressants. 2. In–depth exploration of structure–activity relationships. Maryanoff BE, et al. **J Med Chem** 1987 Aug;30(8):1433–54

Nonsteroidal cardiotonics. 1. 2–Pyridyl–6,7–dihydro–3H,5H–pyrrolo[2,3–f]benzimidazol–6–ones, a novel class of cardiotonic agents. Mertens A, et al. **J Med Chem** 1987 Aug;30(8):1279–87

Preclinical evaluation of McN–5707 as a potential antidepressant. Shank RP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):74–84

Echinomycin and distamycin induce rotation of nucleosome core DNA. Low CM, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6785–801

Interaction of nucleosome core particles with distamycin and echinomycin: analysis of the effect of DNA sequences. Portugal J, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):885–903

[Netropsin, distamycin A, bis–netropsins as selective inhibitors of restrictases and DNAse I] Stanchev BS, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1614–24 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effectiveness of ketorolac tromethamine 0.5% ophthalmic solution for chronic aphakic and pseudophakic cystoid macular edema. Flach AJ, et al. **Am J Ophthalmol** 1987

Apr 15;103(4):479–86
The morphine sparing effect of ketorolac tromethamine. A study of a new, parenteral non–steroidal anti–inflammatory agent after abdominal surgery. Gillies GW, et al. **Anaesthesia** 1987 Jul;42(7):727–31
Effect of ketorolac on Candida albicans ocular infection in rabbits. Fraser–Smith EB, et al. **Arch Ophthalmol** 1987 Feb; 105(2):264–7
Double–blind controlled trial to compare anti–inflammatory effects of tolmetin 2%, prednisolone 0.5%, and placebo in post–cataract extraction eyes. Smerdon DL, et al. **Br J Ophthalmol** 1986 Oct;70(10):761–3
Anirolac vs. naproxen for postpartum uterine pain. Bloomfield SS, et al. **Clin Pharmacol Ther** 1987 Jul; 42(1):89–95
Ketorolac tromethamine as compared with morphine sulfate for treatment of postoperative pain. O'Hara DA, et al. **Clin Pharmacol Ther** 1987 May;41(5):556–61
A multiple–dose comparison of ketorolac tromethamine with diflunisal and placebo in postmeniscectomy pain. Honig WJ, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):700–5
Levels of brain angiotensin in the spontaneously hypertensive rat and treatment with ramipriIat. Phillips MI, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S391–4
Synthesis and antiinflammatory and analgesic activity of 5–aroyl–1,2–dihydro–3H–pyrrolo[1,2–a]pyrrole–1–carboxylic acids. The 6–substituted compounds. Muchowski JM, et al. **J Med Chem** 1987 May;30(5):820–3
Comparison of etodolac, zomepirac, and placebo for relief of pain after oral surgery. Giglio JA, et al. **J Oral Maxillofac Surg** 1986 Oct;44(10):765–70
Double–blind evaluation of etodolac (200 mg, 400 mg) compared with zomepirac (100 mg) and placebo on third molar extraction pain. Scott R, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):638–42
A double–blind study comparing single dose of intramuscularly injected zomepirac to meperidine in the treatment of postoperative pain. Baird WM, et al. **Pharmacotherapy** 1986 Sep–Oct;6(5):219–27
Ketorolac versus aspirin for postpartum uterine pain. Bloomfield SS, et al. **Pharmacotherapy** 1986 Sep–Oct; 6(5):247–52
Comparison of intramuscular ketorolac tromethamine and morphine sulfate for analgesia of pain after major surgery. Yee JP, et al. **Pharmacotherapy** 1986 Sep–Oct;6(5):253–61

PYRROLIDINES

Effects of U–50488H, a selective kappa–analgesic, on the minimum anesthetic concentration (MAC) of halothane in the rat. Althaus JS, et al. **Anesth Analg** 1987 May; 66(5):391–4
Procyclidine abuse [letter] Fenech J, et al. **Br J Psychiatry** 1986 Oct;149:524
Kappa opioids in rhesus monkeys. III. Dependence associated with chronic administration. Gmerek DE, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):428–36

ADMINISTRATION & DOSAGE

Synergistic effects of oxiracetam and piracetam in combination with antiepileptic drugs. Mondadori C, et al. **Acta Neurol Scand [Suppl]** 1986;109:113–6
Pharmacological dissociation of memory: anisomycin, a protein synthesis inhibitor, and leupeptin, a protease inhibitor, block different learning tasks. Stäubli U, et al. **Behav Neural Biol** 1985 May;43(3):287–97
A randomized trial comparing alizapride alone or with dexamethasone vs a metoclopramide–dexamethasone combination for emesis induced by moderate–dose cisplatin. Pollera CF, et al. **Cancer Chemother Pharmacol** 1987; 19(4):335–8
[Efficacy and tolerance of a bepridil challenge dose. A double–blind multicenter study] Apoil E, et al. **Ann Cardiol Angeiol (Paris)** 1986 Jul–Sep;35(7):403–7 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Refractory bradycardia after reversal of muscle relaxant in a diabetic with vagal neuropathy. Triantafillou AN, et al. **Anesth Analg** 1986 Nov;65(11):1237–41
Evaluation of the combined effects of glycopyrrolate and neostigmine on the lower oesophageal sphincter. Derrington MC, et al. **Br J Anaesth** 1987 May;59(5):545–7
Effects of atropine and glycopyrrolate on cognitive function following anaesthesia and electroconvulsive therapy (ECT). Kelway B, et al. **Int Clin Psychopharmacol** 1986 Oct;1(4):296–302
[Unstable angina treated with bepridil. Temporary regression of the electric signs of impregnation (letter)] Gibelin P, et al. **Presse Med** 1986 Sep 27;15(32):1643 **(Fre)**

ANALYSIS

Determination of oxiracetam in human serum and urine by high–performance liquid chromatography. Visconti M, et al. **J Chromatogr** 1987 May 15;416(2):433–8
Analysis of some antispasmodic drugs: oxyphencyclimine and glycopyrronium bromide. Ebeid MY, et al. **Pharm Weekbl [Sci]** 1986 Oct 17;8(5):252–8
[Potentiometric titrations of drugs containing piperazine, piperidine or pyrrolidine groups using modified polymeric electrodes] Patriarche GJ, et al. **J Pharm Belg** 1986 Sep–Oct;41(5):293–7 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

The antagonistic effects of naloxone on cycloheximide and anisomycin–induced amnesia. Kameyama T, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):567–72

CHEMICAL SYNTHESIS

Synthesis of pyrrolidine derivatives with pharmaceutical activity. XII. Synthesis and anticholinergic activity of 1,1–dialkyl–3–diphenylmethylene–2,4–dimethylpyrrolidinium halides. Ohki S, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3606–13
Synthesis and pharmacological evaluation of thiophene analogs of lotucaine. Corral C, et al. **Farmaco [Sci]** 1987 Apr;42(4):267–75

METABOLISM

Interaction of a spin–labeled phenylalanine analogue with normal and sickle hemoglobins: detection of site–specific interactions through spin–label–induced 1H NMR relaxation. Lee YH, et al. **Biochemistry** 1986 Sep 23; 25(19):5647–54
Metabolism of nitromiphene (CI 628) in the immature female rat: role of gastrointestinal microflora in the biotransformation of a triarylethylene antiestrogen. Ruenitz PC, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6255–9
Buflomedil kinetics in patients with liver disease. Rey E, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug; 24(8):408–14
Pharmacokinetics of intravenous bepridil in patients with coronary disease. Lesko LJ, et al. **J Pharm Sci** 1986 Oct; 75(10):952–4
[Evaluation of the pituitary prolactinogenic activity of a new antiemetic drug: alizapride] Nardoni A, et al. **Clin Ter** 1987 Mar 31;120(6):499–502 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

An experimental evaluation of the euphoric properties of antiparkinson drugs on psychotic patients. Vågen R, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):519–23
Effects on hemodynamics and left ventricular ejection fraction of intravenous bepridil for impaired left ventricular function secondary to coronary artery disease. Josephson MA, et al. **Am J Cardiol** 1987 Jul 1;60(1):44–9
Cardiac performance in cats after administration of xylazine or xylazine and glycopyrrolate: echocardiographic evaluations. Dunkle N, et al. **Am J Vet Res** 1986 Oct; 47(10):2212–6
Comparison of the effects of atropine and glycopyrrolate on pulmonary mechanics in patients undergoing fiberoptic bronchoscopy. Thorburn JR, et al. **Anesth Analg** 1986 Dec; 65(12):1285–9
Effect of bepridil on membrane currents of rabbit sinoatrial node cells. Kotake H, et al. **Arzneimittelforschung** 1987 Apr; 37(4):424–7
Anisomycin impairs long–term working memory in a delayed alternation task. Mizumori SJ, et al. **Behav Neural Biol** 1987 Jan;47(1):1–6
Amnesia produced by anisomycin in an appetitive task is not due to conditioned aversion. Patterson TA, et al. **Behav Neural Biol** 1987 Jan;47(1):17–26
Long–term working memory in the rat: effects of hippocampally applied anisomycin. Mizumori SJ, et al. **Behav Neurosci** 1985 Apr;99(2):220–32
Anisomycin inhibition of estradiol–induced and progesterone–facilitated luteinizing hormone surges in the immature rat. Attardi B. **Biol Reprod** 1987 Apr;36(3):588–98
Effect of glycopyrrolate and atropine on thermoregulation after exercise. Simpson KH, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):579–86
Comparative antiarrhythmic and electrophysiological effects of drugs known to inhibit calmodulin (TFP, W7 and bepridil). Barron E, et al. **Br J Pharmacol** 1986 Nov; 89(3):603–12
Effects of selective and non–selective kappa–opioid receptor agonists on cutaneous C–fibre–evoked responses of rat dorsal horn neurones. Knox RJ, et al. **Brain Res** 1987 Jul 7;415(1):21–9
Anisomycin, an inhibitor of protein synthesis, perturbs the phase of a mammalian circadian pacemaker. Takahashi JS, et al. **Brain Res** 1987 Mar 3;405(1):199–203
Plasma cholinesterase activity following administration of glycopyrrolate or atropine [letter] Mirakhur RK, et al. **Can J Anaesth** 1987 Mar;34(2):219–20
Experimental behavioral studies with oxiracetam on different types of chronic cerebral impairment. Banfi S, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S19–26
EEG changes induced by oxiracetam on diazepam–medicated volunteers. Giaquinto S, et al. **Clin Neuropharmacol** 1986; 9 Suppl 3:S79–84
Effects of oxiracetam on learning and memory in animals: comparison with piracetam. Mondadori C, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S27–38
Comparative electrophysiological investigations on oxiracetam and piracetam. Olpe HR, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S48–55
Effect of oxiracetam on cognition and brain cholinergic mechanisms. Pepeu G, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:298–300
Effect of oxiracetam and piracetam on central cholinergic mechanisms and active–avoidance acquisition. Spignoli G, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S39–47
Biochemical studies on the nootropic drug, oxiracetam, in brain. Trovarelli G, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S56–64
Vasoactive effects of buflomedil assessed by fluorescein angiography. Platania A, et al. **Curr Med Res Opin** 1987; 10(7):457–67
Bepridil: a new long–acting calcium channel blocking agent. Zeller FP, et al. **Drug Intell Clin Pharm** 1987 Jun; 21(6):487–92 (51 ref.)
Influence of the oral hypoglycemic agent linogliride (McN–3935) on insulin secretion from isolated rat islets of Langerhans. Zawalich WS, et al. **Endocrinology** 1987 Mar;120(3):880–5
The effects of bepridil, compared with calcium–channel inhibitors and calmodulin antagonists on both spontaneous activity and contractions induced by potassium or phenylephrine in rat portal vein. Campbell JK, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):187–96
Bepridil and valproate retard Na+ reactivation in Myxicola. Schauf CL. **Eur J Pharmacol** 1987 Jun 12;138(1):89–93
Oxiracetam prevents electroshock–induced decrease in brain acetylcholine and amnesia. Spignoli G, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):253–7
The specific opioid kappa–agonist U–50,488H inhibits low Km GTPase. Ueda H, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):129–32
Comparison of the effects of bepridil and diltiazem upon globally ischemic rat hearts. Watts J, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):25–33
The effects of bepridil compared with calcium antagonists on rat and rabbit aorta. Winslow E, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):219–28
Comparative study of bepridil and nicardipine action on respiration and calcium transport in mitochondria. Tari C, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan; 25(1):26–30
Protection by bepridil against myocardial ATP–catabolism is probably due to negative inotropy. Huizer T, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):55–61
Electrophysiologic effects of bepridil in normal and infarcted canine myocardium. Lynch JJ, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):957–66
Comparative electrophysiological effects of disopyramide and bepridil on rabbit atrial, papillary, and Purkinje tissue: modification by reduced extracellular potassium. Winslow E, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec; 8(6):1208–16
Glycopyrrolate in paediatric premedication. Paul AK. **J Indian Med Assoc** 1986 Aug;84(8):236–8
Differential effect of mu, delta, and kappa opioid agonists on adenylate cyclase activity. De Montis GM, et al. **J Neurosci Res** 1987;17(4):435–9
Diuretic actions in man of a selective kappa opioid agonist: U–62,066E. Peters GR, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):128–31
Comparisons of the cardiovascular and antisialogogue effects among glycopyrrolate, scopolamine and atropine in man. Hsu JC, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):39–44
Effect of protein synthesis inhibitors on growth factor activation of c–fos, c–myc, and actin gene transcription. Greenberg ME, et al. **Mol Cell Biol** 1986 Apr;6(4):1050–7
Selective inhibition of adenovirus type 2 early region II and III transcription by an anisomycin block of protein synthesis. Shaw AR, et al. **Mol Cell Biol** 1982 Jul;2(7):789–9
Characterization of antiestrogen stimulation of cell number and prolactin production. Amara JF, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):183–9
Antiestrogens are partial estrogen agonists for prolactin production in primary pituitary cultures. Martinez–Campos A, et al. **Mol Cell Endocrinol** 1986 Dec;48(2–3):127–33
Comparison of verapamil and bepridil, two slow channel inhibitors, in protection against calcium–induced arrhythmias. Chollet–Debord F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):105–9
Effects of specific activation of mu–, delta– and kappa–opioid receptors on the secretion of luteinizing hormone and prolactin in the ovariectomized rat. Leadem CA, et al. **Neuroendocrinology** 1987 Feb;45(2):109–17
Antagonism of mu–opioid receptor–mediated inhibitions of nociceptive neurones by U50488H and dynorphin A1–13 in the rat dorsal horn. Dickenson AH, et al. **Neurosci Lett** 1987 Mar 31;75(2):229–34
Kappa opioid receptor activation depresses excitatory synaptic input to rat locus coeruleus neurons in vitro. McFadzean I, et al. **Neuroscience** 1987 Jan;20(1):231–9
23S ribosomal RNA mutations in halobacteria conferring resistance to the anti–80S ribosome targeted antibiotic anisomycin. Hummel H, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2431–43
Suppression of antipyretic response in rabbits by intraventricular protein synthesis inhibitor, anisomycin. Morimoto A, et al. **Pflugers Arch** 1987 Apr;408(4):414–6
Avoidance facilitation in adult mice by prenatal administration of the nootropic drug oxiracetam. Ammassari–Teule M, et al. **Pharmacol Res Commun** 1986 Dec;18(12):1169–76
Anisomycin does not disrupt the activation of penile reflexes by testosterone in rats. Meisel RL, et al. **Physiol Behav**

1986;37(6):951–6

Antiviral activity of (+)-odorinol. Joshi MN, et al. **Planta Med** 1987 Jun;53(3):254–5

Synthesis and pharmacological investigation of compounds containing a 2-thioxopyrrolidine-4,5-dione moiety. Zankowska-Jasińska W, et al. **Pol J Pharmacol Pharm** 1986 May-Jun;38(3):309–19

BM-5, a centrally active partial muscarinic agonist with low tremorogenic activity. In vivo and in vitro studies. Engström C, et al. **Psychopharmacology (Berlin)** 1987; 91(2):161–7

An observational analysis of the effect of the selective kappa opioid agonist, U-50,488H, on feeding and related behaviours in the rat. Jackson A, et al. **Psychopharmacology (Berlin)** 1986;90(2):217–21

The effect of kappa-opioid agonist U-50, 488H on wet-dog shaking behavior induced by hippocampal stimulation in rats. Ohno M, et al. **Psychopharmacology (Berlin)** 1987; 91(2):189–92

The effect of buflomedilhydrochloride (Loftyl) on temporary hearing threshold shift. Axelsson A, et al. **Scand Audiol [Suppl]** 1986;26:37–40

The antiestrogen LY117018 is estrogenic in the fetal rat. Henry EC, et al. **Teratology** 1986 Aug;34(1):59–63

[Per os effects of bepridil on venous compliance in a controlled double-blind cross-over trial versus placebo] Bailliart O, et al. **Therapie** 1986 Sep-Oct;41(5):385–90 (Eng. Abstr.) **(Fre)**

[Buflomedil: new findings on its mechanism of action] **Med Monatsschr Pharm** 1986 Oct;9(10):311–2 **(Ger)**

[Changes in erythrocyte ATP after the oral administration of buflomedil hydrochloride] Briguglio F, et al. **Minerva Med** 1987 Apr 30;78(8):553–6 (Eng. Abstr.) **(Ita)**

[Buflomedil and the speed of glycolysis. Note I] Briguglio F, et al. **Minerva Med** 1987 Apr 30;78(8):549–52 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of the effect of pyromecaine and lidocaine on central hemodynamics and their efficacy in the prevention and treatment of heart rhythm disorders] Buniatian AA, et al. **Anesteziol Reanimatol** 1986 Nov-Dec; (6):41–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Glycopyrrolate compared with atropine in association with ketamine anaesthesia. Toft P, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):438–40

Organic brain syndrome treated with oxiracetam. A double-blind randomized controlled trial. Hjorther A, et al. **Acta Neurol Scand** 1987 Apr;75(4):271–6

Bepridil in hypertrophic obstructive cardiomyopathy [letter] Haerer W, et al. **Am Heart J** 1987 Jun;113(6):1536–7

Are there unnecessary delays in the development of new cardiac drugs in the United States? [editorial] Morganroth J, et al. **Am J Cardiol** 1986 Dec 1;58(13):1265–7

Bepridil hydrochloride for treatment of benign or potentially lethal ventricular arrhythmias. Nestico PF, et al. **Am J Cardiol** 1986 Nov 1;58(10):1001–4

Comparison of bepridil with nadolol for angina pectoris. Pflugfelder PW, et al. **Am J Cardiol** 1987 Jun 1; 59(15):1283–8

Electrophysiologic effects and long-term efficacy of bepridil for recurrent supraventricular tachycardias. Roy D, et al. **Am J Cardiol** 1987 Jan 1;59(1):89–92

Bradycardia associated with the use of vecuronium. A comparative study with pancuronium with and without glycopyrronium. Cozanitis DA, et al. **Anaesthesia** 1987 Feb; 42(2):192–4

Intravenous use of glycopyrrolate in acute respiratory distress due to bronchospastic pulmonary disease. Slovis CM, et al. **Ann Emerg Med** 1987 Aug;16(8):898–900

Interactions between procyclidine and neuroleptic drugs. Some pharmacological and clinical aspects. Bamrah JS, et al. **Br J Psychiatry** 1986 Dec;149:726–33

Protection from ischemia-induced cerebral edema in the rat by U-50488H, a kappa opioid receptor agonist. Silvia RC, et al. **Brain Res** 1987 Feb 10;403(1):52–7

Comparative effects of intravenously administered alizapride and prochlorperazine in cisplatin-induced emesis. Roché H, et al. **Cancer Invest** 1987;5(2):89–93

Protective effects of the calmodulin antagonist bepridil on ischaemia induced in the rat myocardium. Shikano K, et al. **Cardiovasc Res** 1986 May;20(5):364–8

Prolonged effect of inhaled glycopyrrolate in asthma. Walker FB 4th, et al. **Chest** 1987 Jan;91(1):49–51

CNS pharmacology and clinical therapeutic effects of oxiracetam. Itil TM, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S70–2

Activity of oxiracetam in patients with organic brain syndrome: a neuropsychological study. Moglia A, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S73–8

The pharmacological effects of buflomedil in patients with multi-cerebral infarcts dementia: an open, preliminary assessment. Karoutas G, et al. **Curr Med Res Opin** 1987; 10(6):380–9

Buflomedil. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in peripheral and cerebral vascular diseases. Clissold SP, et al. **Drugs** 1987 May;33(5):430–60 (140 ref.)

Dose related coronary and systemic haemodynamic effects of intravenous bepridil in patients with coronary artery disease. Remme WJ, et al. **Eur Heart J** 1987 Feb; 8(2):130–40

Droperidol, alizapride and metoclopramide in the prevention and treatment of post-operative emetic sequelae. Kauste A, et al. **Eur J Anaesthesiol** 1986 Jan;3(1):1–9

Nafoxidine possesses antitumor activity against an ascitic hepatoma. Khar A. **Eur J Cancer Clin Oncol** 1986 Dec; 22(12):1475–8

Hypotensive effects of a calcium antagonist, bepridil, in patients with essential hypertension. Aoki K, et al. **Jpn Heart J** 1986 Sep;27(5):693–9

Gastro-oesophageal reflux in paediatric patients: studies with alizapride. Cadranel S, et al. **Pharmatherapeutica** 1987; 5(1):9–15

Long-term effects of L-dopa and procyclidine on neuroleptic-induced extrapyramidal and schizophrenic symptoms. Chouinard G, et al. **Psychopharmacol Bull** 1987; 23(1):221–6

Precluding coccidiosis with an anti-coprophagia drug. Folz SD, et al. **Vet Parasitol** 1986 Dec;22(3–4):243–7

[Alizapride: a new antiemetic for severe vomiting during cancer polychemotherapy. Apropos of 20 cases] Toure P, et al. **Dakar Med** 1984;29(2):339–42 (Eng. Abstr.) **(Fre)**

[Multicenter study on the therapeutic activity of buflomedil chlorhydrate in obliterative arteriopathies of the legs] Allegra C, et al. **Clin Ter** 1986 Oct 15;119(1):25–33 (Eng. Abstr.) **(Ita)**

[Buflomedil chlorhydrate in peripheral vasculopathies] Dall'Antonia F, et al. **Clin Ter** 1986 Dec 15;119(5):379–85 (Eng. Abstr.) **(Ita)**

[Buflomedil chlorhydrate in the treatment of retinopathies] Spallone A, et al. **Clin Ter** 1987 Apr 30;121(2):125–8 (Eng. Abstr.) **(Ita)**

[Vascular and hemorheologic effects of buflomedil chlorhydrate in chronic obliterative arteriopathies of the legs] Coglitore S, et al. **Minerva Cardioangiol** 1986 Nov; 34(11):745–9 (Eng. Abstr.) **(Ita)**

[Study of carotid flow and cerebral circulatory impedance using Doppler computerized spectral analysis. Evaluation of the effect of buflomedil] Scondotto G, et al. **Minerva Cardioangiol** 1986 Nov;34(11):751–8 (Eng. Abstr.) **(Ita)**

PYRROLIDINOMETHYLTETRACYCLINE see **ROLITETRACYCLINE**

PYRROLIDINONES

[Drug dependence test on a cerebral insufficiency improver, aniracetam] Kuwahara A, et al. **Nippon Yakurigaku Zasshi** 1987 Jan;89(1):33–46 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Piracetam potentiates the antiepileptic action of carbamazepine in chronic experimental limbic epilepsy. Hawkins CA, et al. **Acta Neurol Scand [Suppl]** 1986; 109:117–21

Synergistic effects of oxiracetam and piracetam in combination with antiepileptic drugs. Mondadori C, et al. **Acta Neurol Scand [Suppl]** 1986;109:113–6

Piracetam in alcoholic organic mental disorder: a placebo controlled study comparing two dosages. Fleischhacker WW, et al. **Int Clin Psychopharmacol** 1986 Jul;1(3):210–5

Anti-tumour effect of alpha-amino N-substituted-pyrrolidin-2,5-dione-N-mustards on the growth of P388 lymphocytic leukaemia. Naik SD, et al. **J Cancer Res Clin Oncol** 1987;113(2):151–4

Effects of forskolin on spontaneous behavior, rectal temperature and brain cAMP levels of rats: interaction with rolipram. Wachtel H, et al. **Neurosci Lett** 1987 May 6; 76(2):191–6

ANALYSIS

Saliva cotinine as a measure of smoking status in field settings. Abrams DB, et al. **Am J Public Health** 1987 Jul;77(7):846–8

Nicotine and cotinine concentrations in the milk of smoking mothers: influence of cigarette consumption and diurnal variation. Luck W, et al. **Eur J Pediatr** 1987 Jan;146(1):21–6

Determination of 1-(4-methoxybenzoyl)-5-oxo-2-pyrrolidinepropanoic acid, a potential nootropic agent, in human plasma and urine by reversed-phase high-performance liquid chromatography. Black AE, et al. **J Chromatogr** 1986 Oct 31;382:361–6

Gas chromatographic determination of trans-3'-hydroxycotinine, a major metabolite of nicotine in smokers. Neurath GB, et al. **J Chromatogr** 1987 Apr 10;415(2):400–6

Cotinine validation of self-reported smoking in commercially run community surveys. Pierce JP, et al. **J Chronic Dis** 1987;40(7):689–95

Evaluation of biochemical validation measures in determination of smoking status. Stookey GK, et al. **J Dent Res** 1987 Oct;66(10):1597–601

Comparison of monoclonal and polyclonal antibodies to cotinine in nonisotopic and isotopic immunoassays. Bjercke RJ, et al. **J Immunol Methods** 1987 Feb 11;96(2):239–46

Determination of cotinine in biological fluids of non-smokers by packed column gas-liquid chromatography. Feyerabend C, et al. **J Pharm Pharmacol** 1986 Dec;38(12):917–9

Determination of nicotine and cotinine in human serum and urine: an interlaboratory study. Biber A, et al. **Toxicol Lett** 1987 Jan;35(1):45–52

Measuring problems in estimating the exposure to passive smoking using the excretion of cotinine. Letzel H, et al. **Toxicol Lett** 1987 Jan;35(1):35–44

Mathematical modeling of nicotine and cotinine as biological markers of environmental tobacco smoke exposure. Schwartz SL, et al. **Toxicol Lett** 1987 Jan;35(1):53–8

BLOOD

Spontaneous cigarette brand switching: consequences for nicotine and carbon monoxide exposure. Lynch CJ, et al. **Am J Public Health** 1987 Sep;77(9):1191–4

Cigarette consumption and serum cotinine in relation to birthweight. Haddow JE, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):678–81

Use of serum cotinine to assess the accuracy of self reported non-smoking [letter] Haddow JE, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1306

Blood cotinine, carboxyhaemoglobin, and thiocyanate concentrations and cigarette consumption. Richmond R, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1280

Simplified method for the determination of plasma cotinine using gas chromatography-mass spectrometry. Norbury CG. **J Chromatogr** 1987 Mar 6;414(2):449–53

An unusual case of nicotine dependence. Edwards JG. **Psychol Med** 1987 Aug;17(3):779–81

CHEMICAL SYNTHESIS

[Basic substituted pyrrolidine-2,5-dione. 4. The inhibitory action of optically active basic substituted pyrrolidine-2,5-diones on butyrylcholinesterase] Knabe J, et al. **Arch Pharm (Weinheim)** 1986 Jul;319(7):661–3 **(Ger)**

[Pyrrolidone and piperidone derivatives with antihistaminic and antianaphylactic activities. Synthesis and pharmacological study] de Meglio PG, et al. **Farmaco [Sci]** 1987 May;42(5):359–82 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Pyroglutamyl N-termini of thermal polyamino acids. Melius P, et al. **Biosystems** 1987;20(3):213–7

METABOLISM

Salivary cotinine levels and involuntary tobacco smoke exposure in children and adults in New Mexico. Coultas DB, et al. **Am Rev Respir Dis** 1987 Aug;136(2):305–9

Monitoring absorption by means of determination of nicotine and cotinine. Curvall M, et al. **Arch Toxicol [Suppl]** 1986; 9:88–102

Influence of accompanying anion on intestinal radiocalcium absorption. Marchandise X, et al. **Calcif Tissue Int** 1987 Jan;40(1):8–11

Kinetics of cotinine after oral and intravenous administration to man. De Schepper PJ, et al. **Eur J Clin Pharmacol** 1987; 31(5):583–8

Stereospecific binding of the antidepressant rolipram to brain protein structures. Schneider HH, et al. **Eur J Pharmacol** 1986 Aug 7;127(1-2):105–15

PHARMACODYNAMICS

Effects of nootropic drugs on brain cholinergic and dopaminergic transmission. Pavlík A, et al. **Act Nerv Super (Praha)** 1987 Mar;29(1):62–5

Synergistic interactions between piracetam and dihydroergocristine in some animal models of cerebral hypoxia and ischaemia. Berga P, et al. **Arzneimittelforschung** 1986 Sep;36(9):1314–20

Effects of nootropic drugs on some behavioural and biochemical changes after early postnatal hypoxia in the rat. Gramatté T, et al. **Biomed Biochim Acta** 1986; 45(8):1075–82

Effects of oxiracetam on learning and memory in animals: comparison with piracetam. Mondadori C, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S27–38

Comparative electrophysiological investigations on oxiracetam and piracetam. Olpe HR, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S48–55

Effect of oxiracetam and piracetam on central cholinergic mechanisms and active-avoidance acquisition. Spignoli G, et al. **Clin Neuropharmacol** 1986;9 Suppl 3:S39–47

Effect of Piracetam on electrocorticogram and local cerebral glucose utilization in the rat. Grau M, et al. **Gen Pharmacol** 1987;18(2):205–11

Effects of N6-(L-phenylisopropyl)adenosine, caffeine, theophylline and rolipram on the acquisition of conditioned responses in the rabbit. Winsky L, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):223–9

The effects of nicotine, cotinine and anabasine on rat adrenal 11 beta-hydroxylase and 21-hydroxylase. Barbieri RL, et al. **J Steroid Biochem** 1987 Jul;28(1):25–8

Rolipram as a discriminative stimuli: transfer to phosphodiesterase inhibitors. Yamamoto T, et al. **Jpn J Pharmacol** 1987 Feb;43(2):165–71

Quantitative EEG and psychometric analyses in assessing CNS-activity of Ro 13-5057—a cerebral insufficiency improver. Saletu B, et al. **Methods Find Exp Clin Pharmacol** 1980 Oct;2(5):269–85

Rolipram, a novel antidepressant drug, reverses the hypothermia and hypokinesia of monoamine-depleted mice

by an action beyond postsynaptic monoamine receptors. Wachtel H, et al. **Neuropharmacology** 1986 Oct; 25(10):1119–26

Piracetam interactions with neuroleptics in psychopharmacological tests. Bourin M, et al. **Neuropsychobiology** 1986;16(2–3):93–6

Amnesia produced by intracerebroventricular injections of hemicholinium–3 in mice was prevented by pretreatment with piracetam–like compounds. Franklin SR, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):925–7

Influence of atropine and N–methyl atropine pretreatments on behavioral and physiological effects of the irreversible muscarinic agonist, BM123. Overstreet DH, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):475–81

Effect of combined or separate administration of piracetam and choline on learning and memory in the rat. Ennaceur A, et al. **Psychopharmacology (Berlin)** 1987;92(1):58–67

Behavioral and physiological effects associated with changes in muscarinic receptors following administration of an irreversible cholinergic agonist (BM 123). Russell RW, et al. **Psychopharmacology (Berlin)** 1986;90(3):308–15

Effects of forskolin and cyclic nucleotides in animal models predictive of antidepressant activity: interactions with rolipram. Wachtel H, et al. **Psychopharmacology (Berlin)** 1986;90(4):430–5

[Feedback of the magnesium ion on the parathyroid hormone: differences in the action of magnesium sulfate and pyrrolidone carboxylate] Ferment O, et al. **Pathol Biol (Paris)** 1986 Oct;34(8):951–4 (Eng. Abstr.) **(Fre)**

[Effect of piracetam on passive avoidance learning in ethanol–treated mice] Voigt JP, et al. **Biomed Biochim Acta** 1986;45(9):1191–4 (Eng. Abstr.) **(Ger)**

[Effect of pyrrolidone–2 on the cerebral circulation] Mirzoian SA, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):64–5 (Eng. Abstr.) **(Rus)**

[Effect of piracetam on the habituation of the neuronal cholinoreceptor membrane of the edible snail] Pivovarov AS, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):51–3 (Eng. Abstr.) **(Rus)**

[Contrasting effect of piracetam and proline on the release of 3H–D–aspartic acid from the cerebral cortical synaptosomes of rats] Prikhozhan AV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):440–2 (Eng. Abstr.) **(Rus)**

[Sodium oxybutyrate and piracetam acceleration of the compensatory–reparative processes after damage to the cerebral cortex in rats] Romanova GA, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):661–3 (Eng. Abstr.) **(Rus)**

[Mechanism of action of piracetam on cerebral circulation] Akopian VP, et al. **Farmakol Toksikol** 1987 Jan–Feb; 50(1):38–41 (Eng. Abstr.) **(Rus)**

[Effect of piracetam on rat reproductive function and the sexual development of their progeny] Terekhina AI, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):69–70 (Eng. Abstr.) **(Rus)**

[Characteristics of the effect of 2–pyrrolidone acetamide (piracetam) on energy coupling in rat skeletal muscle mitochondria during cold stress] Agureev AP, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):14–7 (Eng. Abstr.) **(Rus)**

[Effect of nootropil on the ultrastructure of the cerebral cortex of the aged rat] Pavlovskaia NI, et al. **Zh Nevropatol Psikhiatr** 1986;86(7):1012–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Anticancer activity of new 3–amino–pyrrolidinedione–nitrogen mustard derivatives on murine sarcoma 180. Naik SD, et al. **Anticancer Res** 1987 Jan–Feb;7(1):87–90

Lecithin and piracetam in Alzheimer's disease [letter] Davidson M, et al. **Biol Psychiatry** 1987 Jan;22(1):112–4

Antimyoclonic action of piracetam. Obeso JA, et al. **Clin Neuropharmacol** 1986;9(1):58–64

Use of piracetam improves sickle cell deformability in vitro and in vivo. Gini EK, et al. **J Clin Pathol** 1987 Jan; 40(1):99–102

Piracetam for drug–induced dyskinesia [letter] Chaturvedi SK. **J Clin Psychiatry** 1987 Jun;48(6):255

Piracetam and dyslexia: effects on reading tests. Wilsher CR, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):230–7

Senile dementia of the Alzheimer type treated with aniracetam: a new nootropic agent. Sourander LB, et al. **Psychopharmacology (Berlin)** 1987;91(1):90–5

Treatment of enuresis: a study with imipramine, amitriptyline, chlordiazepoxide–clidinium and piracetam. Yurdakök M, et al. **Turk J Pediatr** 1986 Jul–Sep;28(3):171–5

[Preliminary results of a double–blind study between rolipram and desipramine in hospitalized patients with major depressive symptoms] Guiot–Goffioul F, et al. **Acta Psychiatr Belg** 1987 Mar–Apr;87(2):230–5 (Eng. Abstr.) **(Fre)**

[Value of piracetam in the treatment of sudden idiopathic deafness. Preliminary report] Gersdorff M, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(4):283–5 (Eng. Abstr.) **(Fre)**

[Nootropic drugs: effects and effectiveness. A reflection exemplified by a phase III study using piracetam] Herrmann WM, et al. **Nervenarzt** 1987 Jun;58(6):358–64 **(Ger)**

[Metadoxine in the control of oxidative stress caused by acute and chronic ethanol poisoning] Calabrese V, et al. **Boll Soc Ital Biol Sper** 1986 Nov 30;62(11):1357–63 (Eng. Abstr.) **(Ita)**

[Treatment of alcoholic hepatic steatosis with metadoxine. Preliminary results on the evaluation of the effects of the drug by an ultrasonographic study] Sergiacomo L, et al. **Clin Ter** 1986 Oct 31;119(2):133–41 (Eng. Abstr.) **(Ita)**

[Characteristics of the antihypoxic action of piracetam] Gukasov VM, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):683–5 (Eng. Abstr.) **(Rus)**

[Effect of nootropil on oxidative phosphorylation in the brain of rats with ischemic myocardial necrosis] Davydov VV, et al. **Farmakol Toksikol** 1987 Mar–Apr;50(2):99–100 (Eng. Abstr.) **(Rus)**

[Effect of nootropil on the conditioned reflex activity in acute myocardial infarct] Davydov VV, et al. **Farmakol Toksikol** 1986 Jul–Aug;49(4):76–7 (Eng. Abstr.) **(Rus)**

[Relation between individual differences in work–capacity dynamics and functional status of operators and somatotype] Smirnova GA, et al. **Fiziol Cheloveka** 1987 May–Jun;13(3):419–24 **(Rus)**

[Therapeutic use of piracetam in myocardial infarct patients] Leshchinskiĭ LA, et al. **Kardiologiia** 1987 Feb;27(2):46–50 (Eng. Abstr.) **(Rus)**

[Minimal brain dysfunction. III. Treatment (preliminary report)] Rafael Cruz H, et al. **Salud Publica Mex** 1987 Jan–Feb;29(1):55–60 (Eng. Abstr.) **(Spa)**

URINE

Single–reagent polarisation fluoroimmunoassay for cotinine (a nicotine metabolite) in urine. Hansel MC, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):596–602

Trans–3'–hydroxycotinine as a main metabolite in urine of smokers. Neurath GB, et al. **Int Arch Occup Environ Health** 1987;59(2):199–201

Determination of N–(3–acetamidopropyl)pyrrolidin–2–one, a metabolite of spermidine, in urine by isotope dilution mass fragmentography. van den Berg GA, et al. **J Chromatogr** 1986 Dec 19;383(2):251–8

PYRROLIDONECARBOXYLIC ACID see under **PYRROLIDINONES**

PYRROLIDONES see **PYRROLIDINONES**

PYRROLINE CARBOXYLATE REDUCTASES see under **AMINE OXIDOREDUCTASES**

PYRROLIZIDINE ALKALOIDS

Changes in main pulmonary artery of rats with monocrotaline–induced pulmonary hypertension. Guzowski DE, et al. **Arch Pathol Lab Med** 1987 Aug; 111(8):741–5

ANALYSIS

Fast atom bombardment and tandem mass spectrometry of covalently modified nucleosides and nucleotides: adducts of pyrrolizidine alkaloid metabolites. Tomer KB, et al. **Anal Chem** 1986 Oct;58(12):2527–34

Retrorsin from a Paraguayan herbal tea. Hirschmann GS, et al. **J Ethnopharmacol** 1986 Aug;17(2):195–6

ANTAGONISTS & INHIBITORS

Effect of 2(3)–tert–butyl–4–hydroxyanisole (BHA) and 2–chloroethanol against pyrrole production and chronic toxicity of monocrotaline in chickens. Dickinson JO, et al. **Vet Hum Toxicol** 1987 Feb;29(1):11–5

BIOSYNTHESIS

Synthesis of [3,5–14C]trachelanthamidine and [5–3H]isoretronecanol and their incorporation into the retronecine moiety of riddelliine in Senecio riddellii. Leete E, et al. **J Nat Prod** 1986 Sep–Oct;49(5):838–44

CHEMICAL SYNTHESIS

Synthesis of [3,5–14C]trachelanthamidine and [5–3H]isoretronecanol and their incorporation into the retronecine moiety of riddelliine in Senecio riddellii. Leete E, et al. **J Nat Prod** 1986 Sep–Oct;49(5):838–44

Pyrrolizidine alkaloids. Robins DJ. **Nat Prod Rep** 1986 Aug; 3(4):297–305 (104 ref.)

ISOLATION & PURIFICATION

Antitumor active pyrrolizidine alkaloids from Heliotropium marifolium RETZ. Jain SC, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5154–6

[Solvent extraction and isolation of alkaloids A and B from Senecio fuberi] Cai DG. **Chung Yao Tung Pao** 1987 Mar; 12(3):40, 44 **(Chi)**

METABOLISM

Biological reactive intermediates of pyrrolizidine alkaloids. Buhler DR, et al. **Adv Exp Med Biol** 1986;197:611–20

Microsomal metabolism of pyrrolizidine alkaloids from Senecio jacobaea. Isolation and quantification of 6,7–dihydro–7–hydroxy–1–hydroxymethyl–5H–pyrrolizine and N–oxides by high performance liquid chromatography. Ramsdell HS, et al. **Drug Metab Dispos** 1987 Jan–Feb; 15(1):32–6

Synthesis of [3,5–14C]trachelanthamidine and [5–3H]isoretronecanol and their incorporation into the retronecine moiety of riddelliine in Senecio riddellii. Leete E, et al. **J Nat Prod** 1986 Sep–Oct;49(5):838–44

Isolation of a novel biliary metabolite of monocrotaline and its inhibitory actions on serotonin transport in the lung. Crowe PD, et al. **Proc West Pharmacol Soc** 1987;30:89–91

Microsomal metabolism of pyrrolizidine alkaloids: N–oxidation of seneciphylline and senecionine. Ramsdell HS, et al. **Toxicol Lett** 1987 Aug;37(3):241–9

PHARMACODYNAMICS

Thromboxane does not mediate pulmonary vascular response to monocrotaline pyrrole. Ganey PE, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H743–8

6–keto prostaglandin F1 alpha and thromboxane B2 in isolated, buffer–perfused lungs from monocrotaline pyrrole–treated rats. Ganey PE, et al. **Exp Lung Res** 1987; 12(3):195–206

Effect of monocrotaline ingestion on the distribution of protein and angiotensin converting enzyme activity in the rat lung. Shale DJ, et al. **Thorax** 1986 Dec;41(12):914–8

5–Hydroxytryptamine and thromboxane in platelets from rats treated with monocrotaline pyrrole. Ganey PE, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):157–64

POISONING

Pyrrolizidine alkaloid poisoning of sheep in New South Wales. Seaman JT. **Aust Vet J** 1987 Jun;64(6):164–7

Senecio species: toxic plants used as food and medicine in the Transkei. Rose EF. **S Afr Med J** 1972 Jul 22; 46(30):1039–43

[Sudden hepatomegaly and ascites in a Portuguese bricklayer and his son (clinical conference)] de Peyer R, et al. **Schweiz Med Wochenschr** 1987 May 16;117(20):767–72 **(Fre)**

[Phosphatidylcholine–induced repair of damaged hepatocyte membranes in heliotrine poisoning] Dobrynina OV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):413–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Indicine N–oxide: clinical use of a pyrrolizidine alkaloid. King SA, et al. **Cancer Treat Rep** 1987 May;71(5):517–23 (59 ref.)

TOXICITY

Arachidonic acid metabolites and the mechanisms of monocrotaline pneumotoxicity. Roth RA, et al. **Am Rev Respir Dis** 1987 Sep;136(3):762–5

Modulation of monocrotaline–induced hepatic genotoxicity in rats. Petry TW, et al. **Carcinogenesis** 1987 Mar;8(3):415–9

Monocrotaline–induced cardiopulmonary injury in rats: modification by thiol and nonthiol ACE inhibitors. Molteni A, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):381–5

Dose–related inhibition of the drug–metabolizing enzymes of rat liver by the pyrrolizidine alkaloid, monocrotaline. Dalvi RR. **J Pharm Pharmacol** 1987 May;39(5):386–8

Lack of effect of deferoxamine, dimethyl sulfoxide, and catalase on monocrotaline pyrrole pulmonary injury. Bruner LH, et al. **J Toxicol Environ Health** 1987; 21(1–2):205–17

Toxicity of comfrey–pepsin preparations [letter] Huxtable RJ, et al. **N Engl J Med** 1986 Oct 23;315(17):1095

Effect of a mixed function oxidase inducer and inhibitor on monocrotaline pyrrole pneumotoxicity. Bruner LH, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):416–27

Genotoxicity and cytotoxicity of selected pyrrolizidine alkaloids, a possible alkenal metabolite of the alkaloids, and related alkenals. Griffin DS, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):227–34

Genotoxicity of the pyrrolizidine alkaloid jacobine in rats [published erratum appears in Toxicol Lett 1987 Mar;36(1):104] Petry TW, et al. **Toxicol Lett** 1986 Sep; 32(3):275–81

PYRROLNITRIN see under **ANTIBIOTICS, ANTIFUNGAL**

PYRROVINYQUINIUM see **PYRVINIUM COMPOUNDS**

PYRUVALDEHYDE see under **ALDEHYDES**

PYRUVATE CARBOXYLASE

DEFICIENCY

The French and North American phenotypes of pyruvate carboxylase deficiency, correlation with biotin containing protein by 3H–biotin incorporation, 35S–streptavidin labeling, and Northern blotting with a cloned cDNA probe. Robinson BH, et al. **Am J Hum Genet** 1987 Jan;40(1):50–9

Pyruvate carboxylase deficiencies: complementation studies between "French" and "American" phenotypes in cultured fibroblasts. Augereau C, et al. **J Inherited Metab Dis** 1985; 8(2):59–62

Brain amino acid abnormalities in pyruvate carboxylase deficiency. Perry TL, et al. **J Inherited Metab Dis** 1985;

8(2):63–6
[Suspected pyruvate carboxylase deficiency in 4 children with Leigh disease] Pronicka E, et al. **Neurol Neurochir Pol** 1986 Mar–Apr;20(2):89–94 (Eng. Abstr.) **(Pol)**

GENETICS

Yeast pyruvate carboxylase: gene isolation. Morris CP, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):390–6

METABOLISM

Sequence homology around the biotin-binding site of human propionyl-CoA carboxylase and pyruvate carboxylase. Lamhonwah AM, et al. **Arch Biochem Biophys** 1987 May 1;254(2):631–6
Carbon-13 and deuterium isotope effects on oxalacetate decarboxylation by pyruvate carboxylase. Attwood PV, et al. **Biochemistry** 1986 Dec 16;25(25):8197–205
Decarboxylation of oxalacetate by pyruvate carboxylase. Attwood PV, et al. **Biochemistry** 1986 Dec 16; 25(25):8191–6

PYRUVATE DECARBOXYLASE see under **CARBOXY-LYASES**

PYRUVATE DEHYDROGENASE COMPLEX

ANALYSIS

2-Oxoglutarate dehydrogenase and pyruvate dehydrogenase activities in plant mitochondria: interaction via a common coenzyme a pool. Dry IB, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):92–9
Isolation of a cDNA clone for the dihydrolipoamide acetyltransferase component of the human liver pyruvate dehydrogenase complex. Thekkumkara TJ, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):903–7
Immunochemical analysis of normal and mutant forms of human pyruvate dehydrogenase. Wicking CA, et al. **Biochem J** 1986 Oct 1;239(1):89–96

ANTAGONISTS & INHIBITORS

Inhibition of mammalian pyruvate dehydrogenase complex by metabolites of 3-mercaptopropanoic acid. Kushner L, et al. **Life Sci** 1987 Jul 27;41(4):485–90
[Advantages of oxythiamine bromide as a specific inhibitor of activity of thiamine-dependent enzymes] Oparin DA, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):70–2 (Eng. Abstr.) **(Rus)**

BLOOD

Identification of a 42K phosphoprotein of platelets modulated by collagen: the alpha-subunit of pyruvate dehydrogenase. Chiang TM, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):15–23

DEFICIENCY

Muscle involvement in pyruvate dehydrogenase complex (PDHC) deficiency. Chung SJ, et al. **Brain Dev** 1987; 9(1):9–15
Pyruvate dehydrogenase complex deficiency as a cause of subacute necrotizing encephalopathy (Leigh disease). Kretzschmar HA, et al. **Pediatrics** 1987 Mar;79(3):370–3
[Clinical and biochemical approach to mitochondrial cytopathy—pyruvate dehydrogenase complex deficiency] Miyabayashi S, et al. **No To Hattatsu** 1987 Mar; 19(2):125–31 **(Jpn)**
[Diagnosis of pyruvate dehydrogenase complex deficiency in biopsied muscles and cultured skin fibroblasts] Naito E, et al. **No To Hattatsu** 1986;18(6):459–63 (Eng. Abstr.) **(Jpn)**
[Muscle pathology in mitochondrial myopathy] Nonaka I. **No To Hattatsu** 1987 Mar;19(2):110–7 (23 ref.) **(Jpn)**

GENETICS

Molecular cloning of cDNA for rat liver lipoate acetyltransferase. A component of pyruvate dehydrogenase complex. Matuda S, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):953–7
A mutant pyruvate dehydrogenase complex of Escherichia coli deleted in the (alanine + proline)-rich region of the acetyltransferase component. Miles JS, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):117–21
The human pyruvate dehydrogenase complex. Isolation of cDNA clones for the E1 alpha subunit, sequence analysis, and characterization of the mRNA. Dahl HH, et al. **J Biol Chem** 1987 May 25;262(15):7398–403

ISOLATION & PURIFICATION

Characterization and immunochemistry of pyruvate dehydrogenase complex of Ascaris muscle. Matuda S, et al. **Biochem Int** 1986 Oct;13(4):599–608
Purification of the 2-oxoglutarate dehydrogenase and pyruvate dehydrogenase complexes of Neurospora crassa mitochondria. Mareck A, et al. **Biochimie** 1986 Oct–Nov; 68(10–11):1175–80
Improved purification of the pyruvate dehydrogenase complex from Ascaris suum body wall muscle and characterization of PDHa kinase activity. Thissen J, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):129–38

METABOLISM

Adipocyte glycogen synthase and pyruvate dehydrogenase in obese and type II diabetic subjects. Mandarino LJ, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E489–96
"Stable" effects of insulin and isoproterenol on adipocyte pyruvate dehydrogenase. Cheng K, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):699–702
Isolated tumoral pyruvate dehydrogenase can synthesize acetoin which inhibits pyruvate oxidation as well as other aldehydes. Baggetto LG, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):153–9
Ischaemia and tissue pyruvate dehydrogenase activities in the rat: a comparison of the effects of cervical dislocation and pentobarbital anaesthesia. French TJ, et al. **Biochem Int** 1986 Nov;13(5):843–52
The activity of the pyruvate dehydrogenase complex in heart and liver from mice during the development of obesity and insulin resistance. Caterson ID, et al. **Biochem J** 1987 Apr 15;243(2):549–53
Branched-chain 2-oxo acid dehydrogenase interferes with the measurement of the activity and activity state of hepatic pyruvate dehydrogenase. Goodwin GW, et al. **Biochem J** 1986 May 15;236(1):111–4
Relation between cytosolic free Ca2+ concentration and the control of pyruvate dehydrogenase in isolated cardiac myocytes. Hansford RG. **Biochem J** 1987 Jan 1; 241(1):145–51
Regulation of renal and hepatic pyruvate dehydrogenase complex on carbohydrate re-feeding after starvation. Possible mechanisms and a regulatory role for thyroid hormone. Holness MJ, et al. **Biochem J** 1987 Jan 15; 241(2):421–5
Catecholamine activation of pyruvate dehydrogenase in white adipose tissue of the rat in vivo. Kilgour E, et al. **Biochem J** 1987 Jan 15;241(2):415–9
Tissue-specific changes in the ability of insulin and noradrenaline to activate pyruvate dehydrogenase in vivo during lactation in the rat. Kilgour E, et al. **Biochem J** 1987 Apr 1;243(1):69–74
Comparative development of the pyruvate dehydrogenase complex and citrate synthase in rat brain mitochondria. Malloch GD, et al. **Biochem J** 1986 Sep 15;238(3):729–36
The glucagon-induced activation of pyruvate dehydrogenase in hepatocytes is diminished by 4 beta-phorbol 12-myristate 13-acetate. A role for cytoplasmic Ca2+ in dehydrogenase regulation. Staddon JM, et al. **Biochem J** 1987 Feb 1;241(3):729–35
Use of toluene-permeabilized mitochondria to study the regulation of adipose tissue pyruvate dehydrogenase in situ. Further evidence that insulin acts through stimulation of pyruvate dehydrogenase phosphate phosphatase. Thomas AP, et al. **Biochem J** 1986 Aug 15;238(1):93–101
Fuel selection in animals. Randle PJ. **Biochem Soc Trans** 1986 Oct;14(5):799–806 (71 ref.)
Pyruvate dehydrogenase and 3-fluoropyruvate: chemical competence of 2-acetylthiamin pyrophosphate as an acetyl group donor to dihydrolipoamide. Flournoy DS, et al. **Biochemistry** 1986 Oct 7;25(20):6036–43
Phosphorylation-dephosphorylation of pyruvate dehydrogenase from bakers' yeast. Uhlinger DJ, et al. **Biochemistry** 1986 Sep 23;25(19):5673–7
Binding protein-dependent transports in 2-oxo acids dehydrogenase mutants of Escherichia coli. Richarme G. **Biochim Biophys Acta** 1987 Sep 10;893(2):373–7
The activity of the pyruvate dehydrogenase complex in heart muscle in the previously obese mouse model. Steinbeck K, et al. **Biosci Rep** 1986 Dec;6(12):1071–5
Muscle enzyme activity and insulin sensitivity in type 1 (insulin-dependent) diabetes mellitus. Kruszynska YT, et al. **Diabetologia** 1986 Oct;29(10):699–75
Insulin generates an enzyme modulator from hepatic plasma membranes: regulation of adenosine 3',5'-monophosphate phosphodiesterase, pyruvate dehydrogenase, and adenylate cyclase. Saltiel AR. **Endocrinology** 1987 Mar;120(3):967–72
Effects of acute acid–base changes on rat renal pyruvate dehydrogenase. Renal pyruvate dehydrogenase during acid–base alterations. Tullson PC, et al. **Enzyme** 1987; 37(3):127–33
Adenosine and oxytocin reverse antagonism of cyclic AMP elevating agents to insulin activation of adipocyte pyruvate dehydrogenase. Wong EH, et al. **FEBS Lett** 1987 Mar 23; 213(2):419–22
The regulation of adipose tissue pyruvate dehydrogenase activity of dietary fiber. Ogunwole JO, et al. **Horm Metab Res** 1987 May;19(5):187–90
Characterization of a pyruvate dehydrogenase modulator purified from insulin-treated rat brain plasma membranes. Rinaudo MT, et al. **Ital J Biochem** 1986 Jul–Aug; 35(4):242–58
Pyruvate dehydrogenase and the path of lactate degradation in Desulfovibrio vulgaris Miyazaki F. Ogata M, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):311–8
Carbon isotope effects on the pyruvate dehydrogenase reaction and their importance for relative carbon-13 depletion in lipids. Melzer E, et al. **J Biol Chem** 1987 Jun 15;262(17):8159–64
Effects of insulin infusion on human skeletal muscle pyruvate dehydrogenase, phosphofructokinase, and glycogen synthase. Evidence for their role in oxidative and nonoxidative glucose metabolism. Mandarino LJ, et al. **J Clin Invest** 1987 Sep;80(3):655–63
Accelerated loss of lean body mass in fasting rats due to activation of pyruvate dehydrogenase by dichloroacetate. Fields AL, et al. **Metabolism** 1987 Jul;36(7):621–4
Insulin insensitivity and skeletal muscle enzyme activities in response to overinsulinization in the rat. Kruszynska YT, et al. **Metabolism** 1987 Mar;36(3):281–5
Immunochemical characterization of the pyruvate dehydrogenase complex in adult Ascaris suum and its developing larvae. Desai S, et al. **Mol Biochem Parasitol** 1987 Apr;23(3):203–9
Hexose-independent activation of glycogen synthase and pyruvate dehydrogenase by insulin is dissociated in the mouse BC3H-1 cell line. Luttrell LM, et al. **Mol Pharmacol** 1986 Dec;30(6):624–30
The effect of 2-oxoglutarate or 3-hydroxybutyrate on pyruvate dehydrogenase complex in isolated cerebrocortical mitochondria. Lai JC, et al. **Neurochem Res** 1987 Aug;12(8):715–22
[Dehydrogenases of alpha-keto acids from pigeon breast muscle] Khallova LS, et al. **Biokhimiia** 1986 Dec; 51(12):2054–74 (69 ref.) (Eng. Abstr.) **(Rus)**
[Thiamine phosphates and regulation of the pyruvate dehydrogenase complex activity in rat liver mitochondria] Parkhomenko IuM, et al. **Ukr Biokhim Zh** 1986 Nov–Dec; 58(6):35–41 (Eng. Abstr.) **(Rus)**
[Activity of pyruvate- and ketoglutarate dehydrogenase complexes on various regions of the rat brain] Rozanov VA, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):29–34 (Eng. Abstr.) **(Rus)**

SECRETION

Effect of S-adenosylhomocysteine on insulin-independent release of pyruvate dehydrogenase activator from rat adipocyte plasma membranes. Sykes E, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):832–6

PYRUVATE DEHYDROGENASE PHOSPHATASE see under **PHOSPHOPROTEIN PHOSPHATASES**

PYRUVATE KINASE

ANALYSIS

Isolation and sequence determination of an active site peptide of rabbit muscle pyruvate kinase. Bezares G, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):133–7
Activities of glycolytic enzymes in some brain areas of thyroidectomized rats and their response to replacement therapy. Sabell I, et al. **Enzyme** 1987;37(4):169–73
Liver specific pyruvate kinase in pheasants Phasianus colchicus. Guderley H, et al. **Int J Biochem** 1987; 19(6):561–4

ANTAGONISTS & INHIBITORS

Pyruvate kinase inhibition in the diagnosis of gliomas with an intermediate degree of malignancy. Mostert HW, et al. **Acta Neuropathol (Berl)** 1986;70(3–4):296–301

BLOOD

Phosphoglycolate synthesis by human erythrocyte pyruvate kinase. Sasaki H, et al. **Acta Haematol (Basel)** 1987; 77(2):83–6
Evaluation of carrier detection rates for Duchenne and Becker muscular dystrophies using serum creatine-kinase (CK) and pyruvate-kinase (PK) through discriminant analysis. Zatz M, et al. **Am J Med Genet** 1986 Oct; 25(2):219–30
Blood antioxidant status and plasma pyruvate kinase activity of halothane-reacting pigs. Duthie GG, et al. **Am J Vet Res** 1987 Feb;48(2):309–10
Determination of the mean cell age of erythrocytes from diabetic subjects with pyruvate kinase. Ng FM, et al. **Biochem Int** 1986 Aug;13(2):245–52
Characteristics of red cell pyruvate kinase (PK) and pyrimidine 5'nucleotidase (P5N) abnormalities in acute leukaemia and chronic lymphoid diseases with leukaemic expression. Vives Corrons JL, et al. **Br J Haematol** 1987 Jun;66(2):173–7
Acquired erythroenzymopathy in a monozygotic twin with acute myeloid leukemia. Barretto OC, et al. **Braz J Med Biol Res** 1986;19(1):63–7
Use of serum creatine kinase, pyruvate kinase, and genetic linkage for carrier detection in Duchenne and Becker dystrophy. Hyser CL, et al. **Neurology** 1987 Jan;37(1):4–10

DEFICIENCY

Pyruvate kinase deficiency in dog and human erythrocytes: effects of energy depletion on cation composition and cellular hydration. Muller-Soyano A, et al. **Am J Hematol** 1986 Nov;23(3):217–21
Reticulocyte-dependent labeling alterations of red cell membrane in pyruvate kinase deficiency anemia. Mafik T, et al. **Biomed Biochim Acta** 1987;46(2–3):S192–6
Decrease in subunit aggregation of phosphoribosylpyrophosphate synthetase: a mechanism for decreased nucleotide concentrations in pyruvate kinase-deficient human erythrocytes. Zerez CR, et al. **Blood** 1986 Nov;68(5):1024–9

Impaired nicotinamide adenine dinucleotide synthesis in pyruvate kinase-deficient human erythrocytes: a mechanism for decreased total NAD content and a possible secondary cause of hemolysis. Zerez CR, et al. **Blood** 1987 Apr;69(4):999–1005

Erythrocyte PK deficiency: biochemical characterization of a patient with haemolytic anemia. González R, et al. **Haematologia (Budap)** 1987;20(1):51–5

Membrane elastic shear modulus of red blood cells with glucose-6-phosphate dehydrogenase and pyruvatekinase enzymopathies. Meier W, et al. **Int J Microcirc Clin Exp** 1987;5(4):297–302

[A case of congenital non-spherocytic hemolytic anemia caused by enzyme deficiency in pyruvate kinase] Clavier M, et al. **J Genet Hum** 1986 Nov;34(5):425–30 (Eng. Abstr.) **(Fre)**

[A pyruvate kinase (PK) variant (PK Matsumoto): case report] Kono H, et al. **Rinsho Ketsueki** 1986 Sep; 27(9):1628–32 (Eng. Abstr.) **(Jpn)**

GENETICS

Human liver type pyruvate kinase: cDNA cloning and chromosomal assignment. Tani K, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):431–8

Some aspects of the regulation of pyruvate kinase levels in Neurospora crassa. Devchand MR, et al. **Can J Microbiol** 1987 Apr;33(4):322–6

Dietary and hormonal regulation of L-type pyruvate kinase gene expression in rat small intestine. Ogier H, et al. **Eur J Biochem** 1987 Jul 15;166(2):365–70

Early modifications of gene expression induced in liver by azo-dye diet. Lamas E, et al. **FEBS Lett** 1986 Oct 6; 206(2):229–32

The M1- and M2-type isozymes of rat pyruvate kinase are produced from the same gene by alternative RNA splicing. Noguchi T, et al. **J Biol Chem** 1986 Oct 15; 261(29):13807–12

Detection of mRNAs present at low concentrations in rat liver by in situ hybridization: application to the study of metabolic regulation and azo dye hepatocarcinogenesis. Lamas E, et al. **J Histochem Cytochem** 1987 May; 35(5):559–63

[Electrophoretic heterogeneity of pyruvate kinase in erythrocytes in patients with enzymopathies] Rotrekl B. **Acta Univ Palacki Olomuc Fac Med** 1985;111:467–73 **(Ger)**

IMMUNOLOGY

Human erythrocyte pyruvate kinase (L'/R-PK): production and characterization of a monoclonal antibody. Heinrichs M, et al. **Biomed Biochim Acta** 1987;46(2–3):S223–8

ISOLATION & PURIFICATION

Purification and properties of two isozymes of pyruvate kinase from Mucor racemosus. Hohn TM, et al. **J Bacteriol** 1987 Aug;169(8):3525–30

Purification of human leucocyte pyruvate kinase. Kechemir D, et al. **J Chromatogr** 1986 Nov 28;383(1):43–50

METABOLISM

Physical and catalytic properties of pyruvate kinase from pig dental pulp. Kobayashi H, et al. **Arch Oral Biol** 1986; 31(9):559–63

A phospho-oligosaccharide mimics insulin action on glycogen phosphorylase and pyruvate kinase activities in isolated rat hepatocytes. Alvarez JF, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):765–71

Mitochondrial protein phosphorylation and cardiomyopathy in genetically diabetic mice: the effect of estrone treatment. Kuo TH, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):56–63

Phosphorylation of liver pyruvate kinase by Ca++/calmodulin-dependent protein kinase: characterization of two phosphorylation sites. Soderling TR, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1017–23

Purification and kinetic properties of pyruvate kinase isoenzymes of Salmonella typhimurium. Garcia-Olalla C, et al. **Biochem J** 1987 Jan 15;241(2):573–81

The effect of storage on the kinetic properties of sheep hepatic pyruvate kinase. Kayrin L, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):50–8

Effects of insulin on perfused liver from streptozotocin-diabetic and untreated rats: 13C NMR assay of pyruvate kinase flux. Cohen SM. **Biochemistry** 1987 Jan 27;26(2):573–80

Structure of the oxalate-ATP complex with pyruvate kinase: ATP as a bridging ligand for the two divalent cations. Lodato DT, et al. **Biochemistry** 1987 Apr 21;26(8):2243–50

A study of the allosteric kinetics of Phycomyces pyruvate kinase as judged by the effect of L-alanine and fructose 1,6-bisphosphate. del Valle P, et al. **Biochim Biophys Acta** 1986 Nov 21;874(2):193–204

Demonstration of a heterogeneous distribution of glycolytic enzymes and of pyruvate kinase isoenzymes types M1 and M2 in unfertilized hen eggs. Noda S, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):395–401

Reaction of liver pyruvate kinase with sulfhydryl reagents: effect on its activity. Rafter GW, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):195–9

Granulocyte pyruvate kinase in psoriasis vulgaris and psoriasis arthropathica. Wasik F, et al. **Br J Dermatol** 1987 Jan;116(1):9–14

Regulation of phosphoenolpyruvate carboxykinase and pyruvate kinase in Saccharomyces cerevisiae grown in the presence of glycolytic and gluconeogenic carbon sources and the role of mitochondrial function on gluconeogenesis. Wilson AJ, et al. **Can J Microbiol** 1986 Dec;32(12):969–72

Promotion of hepatocarcinogenesis by suxibuzone in rats initiated with 3'-methyl-4-dimethylaminoazobenzene. Yanagi S, et al. **Cancer Lett** 1987 Jul;36(1):11–8

Comparative kinetic behaviour and regulation by fructose-1,6-bisphosphate and ATP of pyruvate kinase from erythrocytes, reticulocytes and bone marrow cells. Rodriguez-Horche P, et al. **Comp Biochem Physiol [B]** 1987;87(3):553–7

Phosphorylation of type-L pyruvate kinase in intact hepatocytes. Localisation of the phosphorylation site in response to both glucagon and the Ca2+-linked agonist phenylephrine. Hsu YC, et al. **FEBS Lett** 1987 Jun 22; 218(1):1–6

Evidence for two activated forms of pyruvate kinase from Bacillus stearothermophilus in the presence of ribose 5-phosphate. Sakai H, et al. **J Biochem (Tokyo)** 1987 Mar; 101(3):633–42

Effects of chronic renal failure on the regulation of pyruvate kinase. Imai E, et al. **Metabolism** 1987 Jun;36(6):601–6

Hormonal control of glucose production and pyruvate kinase activity in isolated rat liver cells: influence of hypothyroidism. Laville M, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):247–53

Regulation of the circadian rhythm of hepatic pyruvate kinase in mice. Feuers RJ, et al. **Prog Clin Biol Res** 1987; 227A:163–72

Transplacental effects of carcinogens and non-carcinogens on activities of pyruvate kinase and lactate dehydrogenase as well as isozymic pattern of LDH in mouse lung. Rády P, et al. **Toxicology** 1982;24(3–4):251–7

On the role of magnesium in the reaction of the pyruvate kinase from Salmonella typhimurium. Garcia-Olalla C, et al. **Z Naturforsch [C]** 1986 Nov-Dec;41(11–12):1018–22

[Pyruvate kinase] Jedrzejak J. **Postepy Hig Med Dosw** 1986 May-Jun;40(3):289–330 (243 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Evolution of the functional properties of pyruvate kinase isozymes: pyruvate kinase L from Rana pipiens. Fournier P, et al. **J Comp Physiol [B]** 1986;156(5):691–9

PYRUVATE OXIDASE

Single-enzyme-based amperometric assay for phosphate ion. Ngo TT. **Appl Biochem Biotechnol** 1986 Oct;13(2):127–31

METABOLISM

Binding of pyruvate oxidase alpha-peptide to phospholipid vesicles. Zhang TF, et al. **Arch Biochem Biophys** 1987 May 15;255(1):201–4

Identification of the high-affinity lipid binding site in Escherichia coli pyruvate oxidase. Hamilton SE, et al. **Biochemistry** 1986 Dec 16;25(25):8178–83

PYRUVATE, PHOSPHATE DIKINASE see under **PHOSPHOTRANSFERASES, ATP**

PYRUVATES

[Experimental study of pyruvate on myocardial protective effect] Yokosawa T. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec;34(12):2038–46 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Use of p-aminobenzoic acid and tritiated cyanoborohydride for the detection of pyruvoyl residues in proteins. van Poelje PD, et al. **Anal Biochem** 1987 Mar;161(2):420–4

ANTAGONISTS & INHIBITORS

2-Cyanocinnamic acid sensitization of L929 cells to killing by hyperthermia. Wang H, et al. **Cancer Res** 1986 Oct; 46(10):5349–52

BLOOD

tcpO2, arterial blood flow and lactate/pyruvate modifications induced by a single dose of naftidrofuryl IV during stage III lower-limb arteriopathies. Pointel JP, et al. **Angiology** 1986 Sep;37(9):647–53

Pyruvate interference with continuous-flow (SMAC) methods for aspartate and alanine aminotransferases. Harrison SP. **Clin Chem** 1987 Apr;33(4):616–7

Lactate and pyruvate electrochemical biosensors for whole blood in extracorporeal experiments with an endocrine artificial pancreas. Mascini M, et al. **Clin Chem** 1987 Apr; 33(4):591–3

Rapid assay of pyruvate with a centrifugal analyser using a commercially available test kit. van Erven A, et al. **Clin Chim Acta** 1986 Aug 15;158(3):283–6

Assessing redox status in human plasma: experience in critically ill patients. Davies AO, et al. **Crit Care Med** 1986 Nov;14(11):942–6

Nonequilibrium of two redox couplets in human plasma: lactate-pyruvate and beta-hydroxybutyrate-acetoacetate. Davies AO, et al. **Crit Care Med** 1986 Nov;14(11):936–41

Effects of storage on the pyruvate-lactate system and random migration of human granulocytes. Paul JL, et al. **Vox Sang** 1987;52(1–2):24–6

[Significance of lactate, pyruvate and anion gap in the diagnosis of complicated acid-base disturbances in chronic cor pulmonale] Liu YH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):332–4, 381 (Eng. Abstr.) **(Chi)**

[Exertion-induced metabolic changes in arterial occlusive diseases with obstruction at different levels] Maass U, et al. **Vasa** 1986;15(3):212–6 (Eng. Abstr.) **(Ger)**

[Exertion-induced metabolic changes in arterial occlusive diseases with different distances of painfree walking] Maass U, et al. **Vasa** 1986;15(3):206–11 (Eng. Abstr.) **(Ger)**

[Circadian profiles of lactic and pyruvic acid in diabetic patients treated with biguanides and sulfonylureas] Cheli V, et al. **Clin Ter** 1986 Aug 31;118(4):269–75 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Intravenous pyruvate loading test in Leigh syndrome. Van Erven PM, et al. **J Neurol Sci** 1987 Feb;77(2–3):217–27

METABOLISM

Inhibition of CA V decreases glucose synthesis from pyruvate. Dodgson SJ, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):198–204

Isolated tumoral pyruvate dehydrogenase can synthesize acetoin which inhibits pyruvate oxidation as well as other aldehydes. Baggetto LG, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):153–9

The extraction and reconstitution of the alpha-cyanocinnamate-sensitive pyruvate transporter from castor bean mitochondria. Brailsford MA, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1036–42

Pyruvate metabolism in castor-bean mitochondria. Brailsford MA, et al. **Biochem J** 1986 Oct 15;239(2):355–61

Rates of utilization and fates of glucose, glutamine, pyruvate, fatty acids and ketone bodies by mouse macrophages. Newsholme P, et al. **Biochem J** 1987 Mar 15;242(3):631–6

The involvement of pyruvate cycling in the metabolism of aspartate and glycerate by the perfused rat kidney. Scaduto RC Jr, et al. **Biochem J** 1986 Aug 1;237(3):691–8

Formation of hexose 6-phosphates from lactate + pyruvate + glutamate by a cell-free system from rat liver. Stoecklin FB, et al. **Biochem J** 1986 May 15;236(1):61–70

Hepatic oxalate production: the role of hydroxypyruvate. Rofe AM, et al. **Biochem Med Metab Biol** 1986 Oct; 36(2):141–50

13C NMR study of effects of fasting and diabetes on the metabolism of pyruvate in the tricarboxylic acid cycle and the utilization of pyruvate and ethanol in lipogenesis in perfused rat liver. Cohen SM. **Biochemistry** 1987 Jan 27; 26(2):581–9

Pyruvate dehydrogenase and 3-fluoropyruvate: chemical competence of 2-acetylthiamin pyrophosphate as an acetyl group donor to dihydrolipoamide. Flournoy DS, et al. **Biochemistry** 1986 Oct 7;25(20):6036–43

Regulation of gluconeogenesis from pyruvate and lactate in the isolated perfused rat liver. Patel TB, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):316–24

Difference of 14C turnovers in brain and in transplanted glioma after intravenous injection of 14C-1-pyruvate into rats. Hara T, et al. **Eur J Nucl Med** 1986;12(5–6):249–51

Influence of lesions of the limbic-hypothalamic system on metabolic response of pyruvate to daily repeated immobilization stress in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):285–92

Glycogen synthesis from pyruvate in the periportal and from glucose in the perivenous zone in perfused livers from fasted rats. Bartels H, et al. **FEBS Lett** 1987 Sep 14; 221(2):277–83

Covalently bound pyruvate in phosphopantothenoylcysteine decarboxylase from horse liver. Scandurra R, et al. **FEBS Lett** 1987 Feb 9;212(1):79–82

Direct evidence for the participation of pyruvate in N-hydroxylation of lysine. Szczepan EW, et al. **FEBS Lett** 1987 Jan 26;211(2):239–42

Uptake of pyruvate by early human embryos determined by a non-invasive technique. Leese HJ, et al. **Hum Reprod** 1986 Apr;1(3):181–2

"Pyruvate recycling" and its influence on the estimation of the pentose pathway in intact liver and Morris hepatoma 5123TC cells. Arora KK, et al. **Int J Biochem** 1987; 19(2):147–58

Characterization of the specific pyruvate transport system in Escherichia coli K-12. Lang VJ, et al. **J Bacteriol** 1987 Jan;169(1):380–5

Formation and utilization of acetoin, an unusual product of pyruvate metabolism by Ehrlich and AS30-D tumor mitochondria. Baggetto LG, et al. **J Biol Chem** 1987 Jul 15;262(20):9535–41

Familial Leigh's syndrome: association with a defect in oxidative metabolism probably restricted to brain. van Erven PM, et al. **J Neurol** 1987 May;234(4):215–9

Formation of a beta-carboline (1,2,3,4-tetrahydro-1-methyl-beta-carboline-1-carboxylic acid) following intracerebroventricular injection of tryptamine and pyruvic acid. Susilo R, et al.

Nsunya Schmiedebergs. **Arch Pharmacol** 1987 Jan; 335(1):70–6

Contraluminal transport of small aliphatic carboxylates in the proximal tubule of the rat kidney in situ. Ullrich KJ, et al. **Pflugers Arch** 1986 Nov;407(5):488–92

[Interaction of swine muscle lactate dehydrogenase subunits detected by complex formation with NAD pyruvate adduct] Kube D, et al. **Dokl Akad Nauk SSSR** 1986; 289(4):996–9 **(Rus)**

PHARMACODYNAMICS

Specific alpha 1–, alpha 2–, and beta–responses to norepinephrine in pyruvate–perfused rat kidneys. Baines AD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F170–6

Nitrogen–13 flux from L–[13N]glutamate in the isolated rabbit heart: effect of substrates and transaminase inhibition. Keen RE, et al. **Biochim Biophys Acta** 1986 Dec 10; 884(3):531–44

Suppression of cytotoxic T–lymphocyte activation by pyruvate and L–alanine. Mihm S, et al. **Cell Immunol** 1986 May;99(2):313–21

The kinetic properties and sensitivity to pyruvate inhibition of tissue lactate dehydrogenase in diving and nondiving reptiles. Baeyens DA. **Comp Biochem Physiol [B]** 1987; 86(2):259–64

Hemopoietic progenitor cells are sensitive to the cytostatic effect of pyruvate. Dello Sbarba P, et al. **Exp Hematol** 1987 Feb;15(2):137–42

Effects of branched chain amino acids, pyruvate, or ketone bodies on the free amino acid pool and release from brain cortex slices of normal and streptozotocin–diabetic rats. Palaiologos G, et al. **Neurochem Res** 1987 Jan;12(1):1–7

Proliferation kinetics and metabolic features of in vitro grown Ehrlich ascites tumor cells in the presence of exogenous pyruvate. Kroll W, et al. **Z Naturforsch [C]** 1986 Jul–Aug; 41(7–8):787–94

SECRETION

Secretion of pyruvate. An antioxidant defense of mammalian cells. O'Donnell–Tormey J, et al. **J Exp Med** 1987 Feb 1;165(2):500–14

THERAPEUTIC USE

A comparison between effects of pyruvate and herb medicines in preventing experimental oxalate urolithiasis in rats. Ogawa Y, et al. **Hinyokika Kiyo** 1986 Aug; 32(8):1127–33

Comparative study of the effects of pyruvate and CG–120 in preventing experimental oxalate urolithiasis in rats. Ogawa Y, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1341–7

URINE

Acute encephalopathy with hyperammonemia and dicarboxylic aciduria during calcium hopantenate therapy: a patient report. Kimura A, et al. **Brain Dev** 1986;8(6):601–5

PYRVINIUM COMPOUNDS

TOXICITY

The detection of chemical impurities by high pressure liquid chromatography and the genetic activity of medical grades of pyrvinium pamoate in Saccharomyces cerevisiae and Salmonella typhimurium. Hennig UG, et al. **Arch Toxicol** 1987 Jun;60(4):278–86

A comparison of the genetic activity of pyrvinium pamoate with that of several other anthelmintic drugs in Saccharomyces cerevisiae. Hennig UG, et al. **Mutat Res** 1987 Feb;187(2):79–89

PYTHIUM see under **MASTIGOMYCOTINA**

PYURIA

COMPLICATIONS

Significance of immediate preoperative bacteriuria with pyuria in renal transplant recipients. Hatch DA, et al. **J Urol** 1987 Apr;137(4):633–5

DIAGNOSIS

Haematuria and pyuria: a practical approach. Field MJ, et al. **Aust Fam Physician** 1986 Nov;15(11):1425–30

The usefulness of screening tests for pyuria in combination with culture in the diagnosis of urinary tract infection. Pfaller M, et al. **Diagn Microbiol Infect Dis** 1987 Mar; 6(3):207–15

Gram stain of uncentrifuged urine for rapid detection of leukocyturia. Escande MC, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):668–9

A search for the "elusive" urinary tract infection in febrile infants. Hogg RJ. **Pediatr Infect Dis J** 1987 Mar;6(3):233–4

[Practical approach in an isolated abnormality of urinalysis] Wauters JP. **Schweiz Med Wochenschr** 1987 Feb 14; 117(7):249–51 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Single–dose versus five–day treatment with trimethoprim for the acute dysuria/pyuria syndrome in women. Baerheim A. **Scand J Prim Health Care** 1987 May;5(2):87–90

VETERINARY

Applicability of leukocyte esterase test strip in detection of canine pyuria. Vail DM, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1451–3

Q BETA REPLICASE see under **RNA NUCLEOTIDYLTRANSFERASES**

Q FEVER

COMPLICATIONS

Erythema nodosum and Q fever [letter] Conget I, et al. **Arch Dermatol** 1987 Jul;123(7):867

Adult respiratory distress syndrome in Q fever. Torres A, et al. **Eur J Respir Dis** 1987 May;70(5):322–5

Q fever endocarditis in the south of France. Raoult D, et al. **J Infect Dis** 1987 Mar;155(3):570–3

Chronic Q fever endocarditis [letter] Beaufort–Krol GC, et al. **J Pediatr** 1987 Feb;110(2):330–1

[Q fever infectious endocarditis. 3 cases] Etard JF, et al. **Presse Med** 1987 May 16;16(18):902–5 (Eng. Abstr.) **(Fre)**

[Granulomatous hepatitis caused by Q fever (letter)] Antón Aranda E, et al. **Rev Clin Esp** 1986 Oct;179(5):279–80 **(Spa)**

[Mesangiocapillary glomerulonephritis associated with endocarditis caused by Q fever] Ramos Díaz M, et al. **Rev Clin Esp** 1987 Apr;180(6):314–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Q fever endocarditis presenting as myocardial infarction. Watt AH, et al. **Am Heart J** 1986 Dec;112(6):1333–5

Serological diagnosis of Q fever endocarditis. Dupuis G, et al. **Eur Heart J** 1986 Dec;7(12):1062–6

Transient severe hypoplastic anemia in Q fever. Hitchins R, et al. **Pathology** 1986 Apr;18(2):254–5

[Q fever] Schmeer N, et al. **Dtsch Med Wochenschr** 1987 Jan 30;112(5):184–8 **(Ger)**

[Chronic Q fever] Dokić M, et al. **Vojnosanit Pregl** 1986 Jul–Aug;43(4):308–10 **(Scr)**

[Self–limiting hepatic and febrile form of Q fever (letter)] Lozano de León F, et al. **Med Clin (Barc)** 1986 Oct 25; 87(13):565 **(Spa)**

ETIOLOGY

Comparative virulence of intra– and interstrain lipopolysaccharide variants of Coxiella burnetii in the guinea pig model. Moos A, et al. **Infect Immun** 1987 May; 55(5):1144–50

Coxiella burnetii infection of a vascular prosthesis [letter] Raoult D, et al. **N Engl J Med** 1986 Nov 20;315(21):1358–9

IMMUNOLOGY

Onset and duration of immunity in guinea pigs and mice induced with different Q fever vaccines. Kazár J, et al. **Acta Virol (Praha)** 1986 Nov;30(6):499–506

Coxiella burnetii antigens for detection of Q fever antibodies by ELISA in human sera. Kováčová E, et al. **Acta Virol (Praha)** 1987 May;31(3):254–9

A fatal case of Q fever hepatitis in a child. Berkovitch M, et al. **Helv Paediatr Acta** 1985 Apr;40(1):87–91

Comparison of enzyme–linked immunosorbent assay and complement fixation and indirect fluorescent–antibody tests for detection of Coxiella burnetii antibody. Péter O, et al. **J Clin Microbiol** 1987 Jun;25(6):1063–7

Humoral immune response to Q fever: enzyme–linked immunosorbent assay antibody response to Coxiella burnetii in experimentally infected guinea pigs. Williams JC, et al. **J Clin Microbiol** 1986 Dec;24(6):935–9

[Serologic reactions in humans during the outbreak of Q fever] Mikołajczyk E, et al. **Przegl Epidemiol** 1986; 40(4):342–8 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Isolation of lipopolysaccharide of Coxiella burnetii & some of its effects on guineapigs. Joshi MV, et al. **Indian J Med Res** 1986 Dec;84:582–5

OCCURRENCE

Sheep–associated outbreak of Q fever, Idaho. Rauch AM, et al. **Arch Intern Med** 1987 Feb;147(2):341–4

Q fever in the Netherlands: a sero–epidemiological survey among human population groups from 1968 to 1983. Richardus JH, et al. **Epidemiol Infect** 1987 Apr;98(2):211–9

An important outbreak of human Q fever in a Swiss Alpine valley. Dupuis G, et al. **Int J Epidemiol** 1987 Jun; 16(2):282–7

Isolation of Coxiella burnetii from human sources. Prasad BN, et al. **Int J Zoonoses** 1986 Jun;13(2):112–7

An outbreak of Q fever affecting postal workers in Oxfordshire. Winner SJ, et al. **J Infect** 1987 May; 14(3):255–61

Analysis of Q fever in Uruguay. Somma–Moreira RE, et al. **Rev Infect Dis** 1987 Mar–Apr;9(2):386–7

[Q fever in the Eastern Townships 1975–1984] Duperval R, et al. **Union Med Can** 1986 Dec;115(12):873–6 (Eng. Abstr.) **(Fre)**

[2 foci of Q fever in humans, sheep and cattle in the Olsztyn province] Anusz Z, et al. **Przegl Epidemiol** 1986; 40(4):349–61 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Q fever. A clinicopathologic study of five cases. Travis LB, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1017–20

Correlation of DNA, RNA, and protein content by flow cytometry in normal and Coxiella burnetii–infected L929 cells. Baca OG, et al. **Infect Immun** 1987 Jul;55(7):1731–3

The pathology of Q fever hepatitis. A case diagnosed by liver biopsy. Westlake P, et al. **J Clin Gastroenterol** 1987 Jun;9(3):357–63

[Experimental Q fever glomerulonephritis in guinea pigs] Yu SR. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Jun; 15(2):106–9 (Eng. Abstr.) **(Chi)**

[A lesion of the nervous system in Q fever] Arkhipov VV, et al. **Klin Med (Mosk)** 1986 Sep;64(9):122–3 **(Rus)**

RADIOGRAPHY

Unusual radiological manifestations of Q fever. Seggev JS, et al. **Eur J Respir Dis** 1986 Aug;69(2):120–2

TRANSMISSION

Q fever: person to person transmission within a family. Mann JS, et al. **Thorax** 1986 Dec;41(12):974–5

VETERINARY

Differences in IgG1 and IgG2 responses of cattle infected with Coxiella burnetii and following vaccination. Schmeer N, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):95–8

[Pathomorphological studies of aborted fetuses from sheep infected with R. burneti] Nelkov P. **Vet Med Nauki** 1987; 24(1):36–43 (Eng. Abstr.) **(Bul)**

[Occurrence of coxiellosis and chlamydiosis in Sumava] Reháček J, et al. **Vet Med (Praha)** 1987 May;32(5):279–88 (Eng. Abstr.) **(Cze)**

[Study of reproductive pathology in cattle in Central Africa: survey of chlamydiosis and Q fever] Domenech J, et al. **Rev Elev Med Vet Pays Trop** 1985;38(2):138–43 (Eng. Abstr.) **(Fre)**

[Study of the reactivity and immunogenicity of a combined vaccine against abortion due to coxiellosis and chlamydiosis in sheep] Dravecký T, et al. **Vet Med (Praha)** 1987 May; 32(5):309–13 (Eng. Abstr.) **(Slo)**

Q–SORT see under **PERSONALITY ASSESSMENT**

QUACKERY

Helping your patients deal with questionable cancer treatments. Jarvis W. **CA** 1986 Sep–Oct;36(5):293–301

A cure for cancer quackery needed, conference told [letter] Cashman FE. **Can Med Assoc J** 1987 Aug 15;137(4):274–5

Iowa: the victim state. **Iowa Med** 1987 Jan;77(1):37–40

Health fraud in Arkansas. Phillips D. **J Arkansas Med Soc** 1986 Oct;83(5):221–3

Advances in medical fraud: chelation therapy replaces Laetrile. Montgomery MR. **J Fla Med Assoc** 1986 Sep; 73(9):681–5

Proposal to ban quackery [letter] Verma S. **J Indian Med Assoc** 1987 Feb;85(2):60–1

"Wellness" and quackery.Schissel MJ, et al. **NY State Dent J** 1986 Aug–Sep;52(7):7

Health fraud—when magic replaces medicine. Porter S. **Ohio State Med J** 1986 Dec;82(12):801–5

Fighting quackery. A quick–reference guide [editorial] Barrett S. **Postgrad Med** 1987 May 15;81(7):13, 16, 21

The deadliest delusion: unproven methods in the management of cancer. Brown HG. **Womens Health** 1986 Fall–Winter; 11(3–4):165–78

[Fighting pseudoscience, quackery and charlatanism (letter)] Szendei A. **Orv Hetil** 1987 Mar 8;128(10):549 **(Hun)**

HISTORY

"Professor" Charles Tyrrell and his ideal sight restorerFerry AP. **Ophthalmology** 1986 Sep;93(9):1246–57

Quack–quack–quack: Donald Duck dissents. Dusseau JL. **Perspect Biol Med** 1987 Spring;30(3):345–54

The facial lesion of George Washington. Hayes H Jr, et al. **Plast Reconstr Surg** 1987 Jul;80(1):133–6

[Dental secrets in an 18th–century work] Pini UA. **Minerva Stomatol** 1987 Apr;36(4):315–6 **(Ita)**

QUADRIGEMINAL PLATE see **CORPORA QUADRIGEMINA**

QUADRIPLEGIA

Paraplegia and quadriplegia: special considerations during pregnancy and labor and delivery. Greenspoon JS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):738–41

Tubed vesicostomy for tetraplegics. Namiki T. **Urol Int** 1987; 42(3):213–6

BLOOD

Decrease of elevated plasma leucine enkephalin levels by thyrotropin–releasing hormone in traumatic tetraplegics during spinal shock. Pathak CM, et al. **Indian J Med Res** 1986 Dec;84:598–600

CHEMICALLY INDUCED

Transient locked-in syndrome and phenobarbital. McGuire TJ, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):566–7

Development of a subacute tetraparesis after disulfiram intoxication. Case report. Hirschberg M, et al. **Eur Neurol** 1987;26(4):222–8

[Postoperative hypokalemic quadriplegia after 2 courses of cisplatin without renal insufficiency, in children (letter)] Delepine N, et al. **Bull Cancer (Paris)** 1986;73(1):90–1 **(Fre)**

[Extensive motor neuropathy after a single dose of vincristine (letter)] Benoit P, et al. **Therapie** 1986 Nov-Dec;41(6):518–9 **(Fre)**

[Quadriplegia and cranial nerve palsy during treatment by vincristine in blastic crisis of chronic myelocytic leukemia: report of an autopsy case] Fujishita M, et al. **Rinsho Ketsueki** 1986 Aug;27(8):1437–42 (Eng. Abstr.) **(Jpn)**

[Hypokalemic myopathy caused by thiazides (letter)] Torné J, et al. **Rev Clin Esp** 1987 May;180(8):461 **(Spa)**

COMPLICATIONS

Pneumatosis cystoides intestinalis in quadriplegia: a case report. Balmaseda MT Jr, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):563–5

Obstructive emphysema due to mucus plugging in quadriplegia. Cohn JR, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):315–7

Thrombosis of the inferior vena cava in a patient with spinal cord injury. Simons RJ Jr. **Arch Phys Med Rehabil** 1987 Mar;68(3):178–9

Thromboembolic disease presenting as fever in spinal cord injury. Weingarden DS, et al. **Arch Phys Med Rehabil** 1987 Mar;68(3):176–7

Improved arterial oxygenation by diaphragmatic pacing in quadriplegia. Vincken W, et al. **Crit Care Med** 1987 Sep; 15(9):872–3

Respirator-dependent quadriplegics: problems during the weaning period. Lamid S, et al. **J Am Paraplegia Soc** 1985 Apr;8(2):33–7

The elderly para- and tetraplegic: special aspects of the urological care. Madersbacher G, et al. **Paraplegia** 1987 Aug;25(4):318–23

Cerebrospinal fluid leak because of pressure sore fistula in a quadriplegic. Dahlin PA, et al. **Spine** 1987 Jan-Feb; 12(1):72–5

Spinal cord injuries associated with cardiopulmonary complications. Winslow EB, et al. **Spine** 1986 Oct; 11(8):809–12

DIAGNOSIS

Neurapraxia of the cervical spinal cord with transient quadriplegia. Torg JS, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1354–70

Conversion reaction mimicking quadriparesis in children. Splaingard M. **South Med J** 1987 Jun;80(6):794–5

[The locked-in syndrome. Description of 8 cases and review of the literature] Calatayud T, et al. **Arch Neurobiol (Madr)** 1987 May-Jun;50(3):172–82 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Postoperative quadriplegia after spinal fusion for scoliosis with intraoperative awakening. Diaz JH, et al. **Anesth Analg** 1987 Oct;66(10):1039–42

Spinal cord dysfunction with quadriplegia complicating pneumococcal meningitis. Phelan M, et al. **Aust Paediatr J** 1987 Feb;23(1):57–9

The locked in syndrome [editorial] Pearce JM. **Br Med J** 1987 Jan 24;294(6566):198–9

Delayed quadriplegia following decompressive cervical laminectomy [letter] Martin DC, et al. **Crit Care Med** 1987 Sep;15(9):889–90

Congenital cervical stenosis presenting as transient quadriplegia in athletes. Report of two cases. Ladd AL, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1371–4

Transient traumatic quadriplegia [editorial] **Lancet** 1987 Apr 11;1(8537):844

The "locked-in" syndrome and alcoholism--a preventable complication [clinical conference] Rodriguez ML, et al. **Med J Aust** 1987 May 4;146(9):487–90, 492

Cervical-spine injury and quadriplegia resulting from "slam dancing" [letter]Murali R, et al. **N Engl J Med** 1987 May 14;316(20):1277

Epidural abscess causing tetraparesis: case report. Chappel R, et al. **Paraplegia** 1986 Nov-Dec;24(6):364–9

Traumatic tetraparesis: a rare neurologic complication in ankylosing spondylitis with ossification of posterior longitudinal ligament of the cervical spine. A case report. Ho EK, et al. **Spine** 1987 May;12(4):403–5

[Sudden tetraplegia caused by hemorrhage in a central-medullary astrocytoma] Alberdi J, et al. **Neurochirurgie** 1987;33(1):62–5 (Eng. Abstr.) **(Fre)**

[Acute post-traumatic tetraparesis: a developmental complication of cervical arthrosis. Physiopathology, clinical study, prognosis. Apropos of 6 cases] Colnet G, et al. **Neurochirurgie** 1987;33(3):201–8 (Eng. Abstr.) **(Fre)**

[Transitory tetraplegia following high-pressure ventilation] König P, et al. **Wien Med Wochenschr** 1987 Feb 28; 137(4):93–6 (Eng. Abstr.) **(Ger)**

[Early anterior arthrodesis in luxations of the cervical spine with tetraplegia] Netto AB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jul-Aug; 41(4):203–5 (Eng. Abstr.) **(Por)**

[Locked-in syndrome in vascular pathology of the brain] Erokhina LG, et al. **Zh Nevropatol Psikhiatr** 1986; 86(9):1284–90 (Eng. Abstr.) **(Rus)**

[Klippel-Feil syndrome] Blanco MA, et al. **Rev Chil Pediatr** 1986 Mar-Apr;57(2):179–82 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Interstitial 7q deletion [46,XY,del (7) (pter——cen::q112——qter)] in a retarded quadriplegic boy with normal beta glucuronidase. Frydman M, et al. **Am J Med Genet** 1986 Oct;25(2):245–9

[Familial microcephaly with spasticity and epilepsy in 2 sisters] Lesný I, et al. **Cesk Neurol Neurochir** 1987 Mar; 50(2):135–8 (Eng. Abstr.) **(Cze)**

METABOLISM

Neuroendocrine control of vasopressin secretion and its effect on blood pressure in subjects with spinal cord transection. Poole CJ, et al. **Brain** 1987 Jun;110 (Pt 3):727–35

Theophylline disposition in tetraplegic man. Segal JL, et al. **South Med J** 1987 Jun;80(6):720–4

MORTALITY

Mortality and complications of the locked-in syndrome. Haig AJ, et al. **Arch Phys Med Rehabil** 1987 Jan;68(1):24–7

PATHOLOGY

Akinetic mutism and locked-in syndrome: the functional-anatomical basis for their differentiation. Németh G, et al. **Funct Neurol** 1986 Apr-Jun;1(2):128–39

PHYSIOPATHOLOGY

Mechanism of the postural dependence of vital capacity in tetraplegic subjects. Estenne M, et al. **Am Rev Respir Dis** 1987 Feb;135(2):367–71

Wrist extensor recovery in traumatic quadriplegia. Ditunno JF Jr, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):287–90

Sitting pressure-time patterns in patients with quadriplegia. Patterson RP, et al. **Arch Phys Med Rehabil** 1986 Nov; 67(11):812–4

Renal vascular responses to saralasin in conscious chemically denervated rabbits and patients with tetraplegia. Unwin RJ, et al. **Clin Exp Hypertens [A]** 1986;8(6):919–39

Circadian desynchronization in pulse rate, systolic and diastolic blood pressure, rectal temperature and urine output in traumatic tetraplegics. Goswami R, et al. **Indian J Physiol Pharmacol** 1985 Oct-Dec;29(4):199–206

High-level quadriplegics perceive lung volume change. Banzett RB, et al. **J Appl Physiol** 1987 Feb;62(2):567–73

Mechanism of active expiration in tetraplegic subjects [letter] Vergith TS. **N Engl J Med** 1986 Nov 6;315(19):1233

An electromyographic study of the abdominal muscles of tetraplegic patients. Goldman JM, et al. **Paraplegia** 1986 Aug;24(4):241–6

Arteriovenous shunting in quadriplegia. Van den Hoogen F, et al. **Paraplegia** 1986 Oct;24(5):282–6

Cardiorespiratory capacity in tetra- and paraplegia shortly after injury. Hjeltnes N. **Scand J Rehabil Med** 1986; 18(2):65–70

"Locked-in" syndrome [letter]Gomez CR, et al. **Stroke** 1987 Jan-Feb;18(1):275

Effect of abdominal binders on breathing in tetraplegic patients. Goldman JM, et al. **Thorax** 1986 Dec;41(12):940–5

Measurement of abdominal wall compliance in normal subjects and tetraplegic patients. Goldman JM, et al. **Thorax** 1986 Jul;41(7):513–8

[New approach to traumatic quadriplegia: diaphragmatic electromyography] Lozes G, et al. **Ann Chir** 1986 May; 40(4):260–5 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychomental stress in tetraplegic man: dissociation in autonomic variables and emotional responsiveness. Heidbreder E, et al. **J Human Stress** 1984 Winter; 10(4):157–64

REHABILITATION

Health, vocational, and functional status in spinal cord injured athletes and nonathletes. Curtis KA, et al. **Arch Phys Med Rehabil** 1986 Dec;67(12):862–5

Postdischarge outcomes for ventilator-dependent quadriplegics. Fuhrer MJ, et al. **Arch Phys Med Rehabil** 1987 Jun;68(6):353–6

Independently activated talking tracheostomy systems for quadriplegic patients. Levine SP, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):571–3

Exploring user acceptance of a robotic arm: an aesthetic orientation. Apostolos MK. **J Am Paraplegia Soc** 1985 Jul; 8(3):51–4

Effect of triceps function on the brachioradialis transfer in quadriplegia. Brys D, et al. **J Hand Surg [Am]** 1987 Mar; 12(2):237–9

Adapting personal computers for use by high-level quadriplegics. Kilgallon MJ, et al. **Med Instrum** 1987 Apr; 21(2):97–102

Functional electrical stimulation for the control of the upper extremities. Handa Y, et al. **Med Prog Technol** 1987; 12(1-2):51–63

Progressive resistive exercise in weaning high quadriplegics from the ventilator. Lerman RM, et al. **Paraplegia** 1987 Apr;25(2):130–5

Environmental control and social integration of a high-lesion tetraplegic patient: case report. Van Laere M, et al. **Paraplegia** 1986 Oct;24(5):322–5

[Restoration of the upper limb in tetraplegic patients by tendon transfers] Allieu Y, et al. **Chirurgie** 1986; 112(10):736–42 (Eng. Abstr.) **(Fre)**

[Speech input for handicapped patients] Mutschler H, et al. **Rehabilitation (Stuttg)** 1986 Aug;25(3):123–7 (Eng. Abstr.) **(Ger)**

SURGERY

Recovery of nerve root function after complete quadriplegia from cervical spine fractures. Benzel EC, et al. **Neurosurgery** 1986 Nov;19(5):809–12

The present state of surgical rehabilitation of the upper limb in tetraplegia. Moberg E. **Paraplegia** 1987 Aug;25(4):351–6

[Healing of traumatic tetraplegia by immediate operation] Jäger J, et al. **Beitr Orthop Traumatol** 1986 Sep; 33(9):428–31 (Eng. Abstr.) **(Ger)**

THERAPY

Improved respiratory function in quadriplegics after pulmonary therapy and arm ergometry [letter] Walker J, et al. **N Engl J Med** 1987 Feb 19;316(8):486–7

VETERINARY

Parasitic laryngeal papillomatosis in a horse. Lane JG, et al. **Vet Rec** 1986 Dec 13;119(24):591–3

QUADRUPLETS

A fall in the rate of multiple births in Ibadan and Igbo Ora, Nige. 1. Marinho AO, et al. **Acta Genet Med Gemellol (Roma)** 1986;35(3-4):201–4

Sonographic demonstration of combined quadruplet gestation, with viable ectopic and concomitant intrauterine triplet pregnancies. Rowland DM, et al. **J Ultrasound Med** 1987 Feb;6(2):89–91

QUAIL

Flaccid paralysis of undetermined aetiology in commercial game-birds. Reece RL, et al. **Aust Vet J** 1986 Jul; 63(7):230–1

Experimental studies on Marek's disease in Japanese quail (Coturnix coturnix japonica). Pradhan HK, et al. **Avian Dis** 1987 Apr-Jun;31(2):225–33

Sexual Pavlovian conditioned approach behavior in male Japanese quail (Coturnix coturnix japonica). Domjan M, et al. **J Comp Psychol** 1986 Dec;100(4):413–21

Ultrastructural study of ochratoxicosis in quail (Coturnix coturnix japonica). Maxwell MH, et al. **Res Vet Sci** 1987 Mar;42(2):228–31

Proteus mirabilis infection in quail in Burma. Myint A. **Trop Anim Health Prod** 1987 May;19(2):75–6

ANATOMY & HISTOLOGY

Skin surface topography in the domestic fowl and Japanese quail. Purton MD. **Br Vet J** 1986 Sep-Oct;142(5):446–52

Synaptic organization of the nucleus dorsolateralis anterior thalami in the Japanese quail (Coturnix coturnix japonica). Watanabe M. **Brain Res** 1987 Jan 20;401(2):279–91

Ultrastructural changes in the uropygial gland of the male Japanese quail, Coturnix coturnix, after testosterone treatment. Comparison with the sebaceous gland of the male rat. Abalain JH, et al. **Cell Tissue Res** 1986; 246(2):373–8

A monoclonal antibody (SN1) identifies a subpopulation of avian sensory neurons whose distribution is correlated with axial level. Marusich MF, et al. **Dev Biol** 1986 Dec; 118(2):494–504

Histological and immunohistochemical study on ontogeny of the endocrine cells in the quail gizzard. Yamaguchi S, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):71–8

[Development of the ovarian and oviduct arteries of the Japanese quail (Coturnix coturnix japonica) after hatching] Hashimoto Y, et al. **Anat Histol Embryol** 1986 Dec; 15(4):337–43 (Eng. Abstr.) **(Ger)**

[Study of the submicroscopic structure of striated muscles in Japanese quail under conditions of stress] Kočišová J. **Vet Med (Praha)** 1987 Feb;32(2):121–8 (Eng. Abstr.) **(Slo)**

BLOOD

Leukocyte numbers in hemorrhaged Japanese quail after microwave irradiation in ovo. Clark MW, et al. **Comp Biochem Physiol [A]** 1987;87(4):923–32

Reticulocyte numbers in Japanese quail chicks. Gildersleeve RP, et al. **Comp Biochem Physiol [A]** 1987;86(3):575–9

Hematology of Japanese quail selected for high or low serum corticosterone responses to complex stressors. Gildersleeve

RP, et al. **Comp Biochem Physiol [A]** 1987;86(3):569–73

Hematological response of hemorrhaged Japanese quail after blood volume replacement with saline. Schindler SL, et al. **Comp Biochem Physiol [A]** 1987;87(4):933–45

Haematological changes in male and female pharaoh quails (Coturnix coturnix Pharaoh) after Ekatin intoxication. Gromysz-Kałkowska K, et al. **Comp Biochem Physiol [C]** 1986;85(1):41–8

Evidence for a daily rhythmicity in the acute release of luteinizing hormone in response to electrical stimulation in the Japanese quail. Konishi H, et al. **J Comp Physiol [A]** 1987 Aug;161(2):315–9

The relationship of certain blood parameters to aflatoxin resistance in Japanese quail. Pegram RA, et al. **Poult Sci** 1986 Sep;65(9):1652–8

Ultrastructural and cytochemical studies in normal Japanese quail (Coturnix coturnix japonica) eosinophils and in those from birds with experimentally induced eosinophilia. Maxwell MH. **Res Vet Sci** 1986 Sep;41(2):149–61

EMBRYOLOGY

A two-step model for sexual differentiation. Balthazart J, et al. **Ann NY Acad Sci** 1986;474:308–24

Meiotic prophase in the left embryonic testis of the Japanese quail (Coturnix coturnix japonica L.). Rogulska T, et al. **Arch Anat Microsc Morphol Exp** 1986–87;75(2):127–34

Reproduction of Japanese quail after microwave irradiation (2.45 GHz CW) during embryogeny. Gildersleeve RP, et al. **Bioelectromagnetics** 1987;8(1):9–21

Cytodifferentiation of quail tectal primordium transplanted homotopically into the chick embryo. Senut MC, et al. **Brain Res** 1987 Apr;429(2):187–205

Development of the retinotectal system in normal quail embryos: cytoarchitectonic development and optic fiber innervation. Senut MC, et al. **Brain Res** 1986 Sep; 394(1):123–40

Developmental capacities of avian embryonic dorsal root ganglion cells: neuropeptides and tyrosine hydroxylase in dissociated cell cultures. Xue ZG, et al. **Brain Res** 1987 Jul;431(1):99–109

Reversal of a developmental restriction in neural crest-derived cells of avian embryos by a phorbol ester drug. Ciment G, et al. **Dev Biol** 1986 Dec;118(2):392–8

Mapping of the early neural primordium in quail-chick chimeras. II. The prosencephalic neural plate and neural folds: implications for the genesis of cephalic human congenital abnormalities. Couly GF, et al. **Dev Biol** 1987 Mar;120(1):198–214

Behavior of neural crest cells on embryonic basal laminae. Erickson CA. **Dev Biol** 1987 Mar;120(1):38–49

The development of an identified subpopulation of avian sensory neurons is regulated by interaction with the periphery. Marusich MF, et al. **Dev Biol** 1986 Dec; 118(2):505–10

Melanocyte-stimulating hormone affects melanogenic differentiation of quail neural crest cells in vitro. Satoh M, et al. **Dev Biol** 1987 Feb;119(2):579–86

Difference in the expression of asymmetric acetylcholinesterase molecular forms during myogenesis in early avian dermomyotomes and limb buds in ovo and in vitro. Vallette FM, et al. **Dev Biol** 1987 Mar;120(1):77–84

Cell lineages in peripheral nervous system ontogeny: medium-induced modulation of neuronal phenotypic expression in neural crest cell cultures. Ziller C, et al. **Dev Biol** 1987 Mar;120(1):101–11

Temporal and spatial aspects of the gradual migration of primordial germ cells from the epiblast into the germinal crescent in the avian embryo. Ginsburg M, et al. **J Embryol Exp Morphol** 1986 Jun;95:53–71

The cellular origin of fibronectin in the basement membrane zone of developing tooth. Hurmerinta K, et al. **J Embryol Exp Morphol** 1986 Jun;95:73–80

A new model of avian embryonic metabolism. Hoyt DF. **J Exp Zool** 1987;Suppl:127–38

Comparative thyroid development in precocial Japanese quail and altricial ring doves. McNabb FM. **J Exp Zool** 1987; Suppl:281–90 (56 ref.)

Urates and allantoic regulation in embryonic Japanese quail, Coturnix coturnix japonica. McNabb RA. **J Exp Zool** 1986 Oct;240(1):9–15

Cultivation of the early quail embryo: induction of embryogenesis under in vitro conditions. Wittmann J, et al. **J Exp Zool** 1987;Suppl:325–8

A new marker for identifying quail cells in embryonic avian chimeras: a quail-specific antiserum. Lance-Jones CC, et al. **J Histochem Cytochem** 1987 Jul;35(7):771–80

Cell death of lumbosacral motoneurons in chick, quail, and chick-quail chimera embryos: a test of the quantitative matching hypothesis of neuronal cell death. Tanaka H, et al. **J Neurosci** 1986 Oct;6(10):2889–99

Interspecies selective motoneuron projection patterns in chick-quail chimeras. Tanaka H, et al. **J Neurosci** 1986 Oct;6(10):2880–8

[Chimeras of the spinal cord between quail and chicken. A new experimental model for studying demyelinating diseases] Le Douarin NM. **Pathol Biol (Paris)** 1987 Mar; 35(3):325–31 (Eng. Abstr.) **(Fre)**

GENETICS

Egg production in four generations of paired Japanese quail. Gildersleeve RP, et al. **Poult Sci** 1987 Feb;66(2):227–30

Divergent selection for body weight and yolk precursor in Coturnix coturnix japonica. 7. Influence of genetic changes in body weight and yolk precursor on egg production. Nestor KE, et al. **Poult Sci** 1987 Mar;66(3):390–6

GROWTH & DEVELOPMENT

Magnum morphogenesis during the natural development of the quail oviduct: analysis of egg white proteins and progesterone receptor concentration. Pageaux JF, et al. **Biol Reprod** 1986 Oct;35(3):657–66

Changes in the blood and the bone marrow picture of the Pharaoh quail (Coturnix coturnix Pharaoh) chicks as a manifestation of adaptation to postembryonal life. Kaczanowska E, et al. **Comp Biochem Physiol [A]** 1987; 87(2):497–501

Effects of photoperiods on the weights of bursa of Fabricius and thymus in Japanese quail. Mase Y, et al. **Growth** 1986 Autumn;50(3):317–24

Developmental changes induced by glucocorticoids treatment in breeder quail (Coturnix coturnix japonica). de la Cruz LF, et al. **Horm Metab Res** 1987 Mar;19(3):101–4

Oral and intramuscular toxicity of inorganic and organic mercury chloride to growing quail. Hill EF, et al. **J Toxicol Environ Health** 1987;20(1–2):105–16

Ontogeny of the endocrine cells in the quail proventriculus. Yamaguchi S, et al. **Z Mikrosk Anat Forsch** 1986; 100(6):981–9

IMMUNOLOGY

Infectious bursal disease virus infection in the quail–chicken hybrid. Greenfield CL, et al. **Avian Dis** 1986 Jul–Sep; 30(3):536–42

A study of Marek's disease in Japanese quails vaccinated with herpesvirus of turkeys. Kobayashi S, et al. **Avian Dis** 1986 Oct–Dec;30(4):816–9

A novel method to bursectomize avian embryos and obtain quail——chick bursal chimeras. II. Immune response of bursectomized chicks and chimeras and post-natal rejection of the grafted quail bursas. Corbel C, et al. **J Immunol** 1987 May 1;138(9):2813–21

MB1, a quail leukocyte-endothelium antigen: partial characterization of the cell surface and secreted forms in cultured endothelial cells. Labastie MC, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9016–20

METABOLISM

Influence of laying on iron metabolism in quail. Garcia F, et al. **Br Poult Sci** 1986 Dec;27(4):585–92

In vivo and in vitro expression of vasoactive intestinal polypeptide-like immunoreactivity by neural crest derivatives. García-Arrarás JE, et al. **Brain Res** 1987 Jun; 430(2):255–65

Deposition of cadmium in tissues of coturnix quail fed honey bees. Stoewsand GS, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):783–8

Vitamin D3 and avian bone in vitro: stimulation of calcium movement into Japanese quail calvaria. Gunasekaran S, et al. **Calcif Tissue Int** 1986 Dec;39(6):396–403

Vitamin D3 and avian bone in vitro: specificity of effect on Japanese quail calvaria. Gunasekaran S, et al. **Calcif Tissue Int** 1986 Dec;39(6):404–11

Iron metabolism in iron-deficient male quail. García F, et al. **Comp Biochem Physiol [A]** 1987;87(4):947–50

Effect of caponization on central nervous system monoamines in the Japanese quail. Holladay SD, et al. **Comp Biochem Physiol [A]** 1987;86(3):465–8

Testosterone regulation of androgen receptor levels in the uropygial gland of quails (Coturnix coturnix): a further proof for the androgen dependency of the uropygial gland. Amet Y, et al. **Gen Comp Endocrinol** 1986 May;62(2):210–6

A comparison of aromatase, 5 alpha-, and 5 beta- reductase activities in the brain and pituitary of male and female quail (C. c. japonica). Schlinger BA, et al. **J Exp Zool** 1987 May; 242(2):171–80

CRF-like immunoreactive system in the quail brain. Panzica GC, et al. **J Hirnforsch** 1986;27(5):539–47

Tissue distribution and hepatic ultrastructural effects of aflatoxin B1 in Japanese quail. Shanks ET, et al. **Pol Arch Weter** 1986;26(1–2):117–31

Iron content and distribution in Japanese quail. Sánchez J, et al. **Q J Exp Physiol** 1987 Jan;72(1):21–9

The metabolism of 14C-DDT, 14C-DDD, 14C-DDE and 14C-DDMU in rats and Japanese quail. Fawcett SC, et al. **Xenobiotica** 1987 May;17(5):525–38

[Hepatic and duodenal biotransformation in Japanese quail (Coturnix coturnix): activities of 7-ethoxycoumarin O-deethylase and coumarin 7-hydroxylase] Rivière JL. **Ann Rech Vet** 1986;17(1):57–67 (Eng. Abstr.) **(Fre)**

[The effect of dietary lysine excess and deficiency on metabolism in Japanese quail] Gažo M, et al. **Vet Med (Praha)** 1987 Apr;32(4):237–45 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Aggravation of pathogenicity of an avian influenza virus by adaptation to quails. Tashiro M, et al. **Arch Virol** 1987; 93(1–2):81–95

Mycosis of commercial Japanese quail, ducks and turkeys. Reece RL, et al. **Aust Vet J** 1986 Jun;63(6):196–7

Intestinal cryptosporidiosis and reovirus isolation from bobwhite quail (Colinus virginianus) with enteritis. Ritter GD, et al. **Avian Dis** 1986 Jul–Sep;30(3):603–8

MC29 deletion mutants which fail to transform chicken macrophages are competent for transformation of quail macrophages. Biegalke BJ, et al. **J Virol** 1987 Jul; 61(7):2138–42

PARASITOLOGY

Natural infection of Plasmodium hermani in the northern bobwhite, Colinus virginianus, in Florida. Forrester DJ, et al. **J Parasitol** 1987 Aug;73(4):865–6

Host age and sex in relation to intestinal helminths of bobwhite quail. Moore J, et al. **J Parasitol** 1987 Feb; 73(1):230–3

Seasonal comparison of endoparasites of northern bobwhites from two types of habitat in southern Texas. Demarais S, et al. **J Wildl Dis** 1987 Apr;23(2):256–60

Pathogenicity of Eimeria lettyae Ruff, 1985 in the northern bobwhite (Colinus virginianus L.). Ruff MD, et al. **J Wildl Dis** 1987 Jan;23(1):121–6

PHYSIOLOGY

Cold stress and acute organophosphorus exposure: interaction effects on juvenile northern bobwhite. Maguire CC, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):477–81

Relationship of serum alpha-amylase to aflatoxin resistance in Japanese quail. Rodeheaver DP, et al. **Avian Dis** 1986 Jul–Sep;30(3):568–73

Photoperiodic and endocrine control of social proximity behavior in male Japanese quail (Coturnix coturnix japonica). Domjan M. **Behav Neurosci** 1987 Jun; 101(3):385–92

Luteinizing hormone secretion from the quail pituitary in vitro. Connolly PB, et al. **Biol Reprod** 1987 Jun; 36(5):1238–46

Sexual differentiation and hormonal control of the sexually dimorphic medial preoptic nucleus in the quail. Panzica GC, et al. **Brain Res** 1987 Jul 21;416(1):59–68

Activation of the isthmo-optic neurons by the visual Wulst stimulation. Uchiyama H, et al. **Brain Res** 1987 Mar 17; 406(1–2):322–5

Manifestations of social stress in grouped Japanese quail. Edens FW. **Comp Biochem Physiol [A]** 1987;86(3):469–72

Agonistic behavior and neurochemistry in grouped Japanese quail. Edens FW. **Comp Biochem Physiol [A]** 1987; 86(3):473–9

Effect of cage density and rank in peck order on brain regional monoamines in adult male Coturnix coturnix japonica. Holladay SD, et al. **Comp Biochem Physiol [A]** 1987;87(2):261–5

The nature of thyrotropin stimulation of thyroid function in Japanese quail: prolonged thyrotropin exposure is necessary to increase thyroidal 125I uptake. McNabb FM, et al. **Comp Biochem Physiol [A]** 1986;85(3):459–63

Does behavior contingent stimulus movement enhance filial imprinting in Japanese quail? Ten Cate C. **Dev Psychobiol** 1986 Nov;19(6):607–14

Effects of two kinds of chicken luteinizing hormone-releasing hormone (LH-RH), mammalian LH-RH and its analogs on the release of LH and FSH in Japanese quail and chicken. Hattori A, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):446–55

Calcium-dependent chronotropic action of bovine parathyroid hormone (1–34) in isolated atria of Japanese quail, Coturnix coturnix japonica. Sham JS, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):250–3

Inhibition of testosterone metabolism in the brain and cloacal gland of the quail by specific inhibitors and antihormones. Alexandre C, et al. **J Endocrinol** 1987 Feb;112(2):189–95

Changes in gonadotrophin-releasing hormone and LH in Japanese quail during the first few days of photostimulation. Creighton JA, et al. **J Endocrinol** 1987 Jun;113(3):419–22

The relationship of muscle electrical activity, tremor and heat production to shivering thermogenesis in Japanese quail. Hohtola E, et al. **J Exp Biol** 1986 Sep;125:119–35

The testis temperature of anaesthetized quail. Jarman M, et al. **J Reprod Fertil** 1986 Sep;78(1):307–10

Effects of metabolism inhibitors, antiestrogens and antiandrogens on the androgen and estrogen induced sexual behavior in Japanese quail. Alexandre C, et al. **Physiol Behav** 1986 Oct;38(4):581–91

Effect of vitamin E and synthetic antioxidants on the survival rate of mercury-poisoned Japanese quail. Kling LJ, et al. **Poult Sci** 1987 Feb;66(2):325–31

Effects of dietary and parenteral estrogens on bobwhite reproduction. Lien RJ, et al. **Poult Sci** 1987 Jan; 66(1):154–61

Effect of brooding paper on the performance of bobwhite quail. Ouart MD, et al. **Poult Sci** 1987 Mar;66(3):439–41

Japanese quail can learn phonetic categories. Kluender KR, et al. **Science** 1987 Sep 4;237(4819):1195–7

[Course of the degeneration of the primary visual system in albino quails with glaucoma] Weidner C, et al. **C R Acad Sci [III]** 1986;303(10):397–402 (Eng. Abstr.) **(Fre)**

QUALITY ASSURANCE, HEALTH CARE

Diagnostic imaging interpretation: comprehensiveness means

quality. Sartoris DJ. **AJR** 1987 Jul;149(1):199–200
Quality assessment program on the autopsy service [letter] Laissue JA, et al. **Am J Clin Pathol** 1987 Jun;87(6):788–9
Assuring the quality of a clinical pharmacokinetics service. Waller DJ, et al. **Am J Hosp Pharm** 1986 Sep;43(9):2184–8
Looking upon the water. On the peerless nature of quality care. Gardner KD Jr. **Am J Kidney Dis** 1987 Jun;9(6):514–5
A quality assurance program. Operating room/postanesthesia care unit. Faurer S. **AORN J** 1987 Jun;45(6):1384–5, 1388–9, 1392–3
Computer-aided quality assurance. A critical appraisal. Haynes RB, et al. **Arch Intern Med** 1987 Jul; 147(7):1297–301
Quality assurance and/or quality control [editorial] Diamond I. **Arch Pathol Lab Med** 1986 Oct;110(10):875–6
Quality health care. Meeting the challenge [editorial] Roberts JS, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):320–1
Determining quality of speech-language-hearing services. Program Evaluation System. Larkins PG. **ASHA** 1987 May;29(5):21–4
Australian Council on Hospital Standards—Education and Resources Unit. **Aust Clin Rev** 1987 Jun;7(25):90–4
The licensing system of Dutch hospitals: a method for quality assurance in health care. Abbing HD. **Aust Clin Rev** 1987 Mar;7(24):7–10
Technology assessment and quality assurance. Banta D. **Aust Clin Rev** 1987 Mar;7(24):48–51
Promoting nursing quality assurance at the grassroots level. Barker P, et al. **Aust Clin Rev** 1987 Jun;7(25):73–8
Quality assurance of obstetrical care in Belgium. Buekens P, et al. **Aust Clin Rev** 1987 Jun;7(25):69–72
Health-care providers resolve clinical controversies: the Dutch consensus approach. Casparie AF, et al. **Aust Clin Rev** 1987 Mar;7(24):43–7
Experiences with self-assessment and peer review among general practitioners in The Netherlands. Crebolder HF. **Aust Clin Rev** 1987 Mar;7(24):32–5
Unit-based approach for nursing quality assurance in The Netherlands: one year experience. Giebing HA. **Aust Clin Rev** 1987 Mar;7(24):28–32
Quality assurance in a division of surgery: Austin Hospital experience. Hardy KJ, et al. **Aust Clin Rev** 1986 Sep; 6(22):151–4
Professional organisations of allied health-disciplines assessments: a review of four disciplines. Hollands L, et al. **Aust Clin Rev** 1987 Mar;7(24):36–40
Peer review in the hot seat [editorial] Kistemaker JW. **Aust Clin Rev** 1987 Mar;7(24):2–3
Hospital audit should be tailor-made. Some experiences with hospital-wide quality assurance in three hospitals in The Netherlands. Klazinga NS. **Aust Clin Rev** 1987 Mar; 7(24):40–2
Quality assurance: what is the consumers' role? Legge D. **Aust Clin Rev** 1986 Dec;6(23):190–6
CEPRIME (Continuing Education and Peer Review in Internal Medicine): linking quality assurance with continuing medical education. Legge DG, et al. **Aust Clin Rev** 1986 Dec;6(23):183–9
Quality assurance in the health care system in The Netherlands. Reerink E. **Aust Clin Rev** 1987 Mar;7(24):11–5
Quality assurance and patient care evaluation in the undergraduate curriculum. Richmond DE, et al. **Aust Clin Rev** 1986 Dec;6(23):177–82
Quality assurance in Australia's first registered and accredited free standing day surgery facility. Tippett GH, et al. **Aust Clin Rev** 1987 Jun;7(25):102–8
Hospital privileges and quality assurance. Tough IC. **Aust Clin Rev** 1986 Jun;6(21):69–73
Quality improvement of patient care: some preliminary results of a hospital-wide quality-assurance project at the University Hospital of Maastricht. van der Horst A, et al. **Aust Clin Rev** 1987 Mar;7(24):21–5
Quality assurance protocol for digital subtraction angiographic units. McLean D, et al. **Australas Phys Eng Sci Med** 1986 Jul–Sep;9(3):127–32
Performance assessment of CT scanners [published erratum appears in Australas Phys Eng Sci Med 1987 Jan–Mar;10(1):51] Poletti JL. **Australas Phys Eng Sci Med** 1986 Oct–Dec;9(4):168–72
World Health Organization and International Society for Quality Assurance in Health Care. Udine, Italy, June 1985. Reizenstein P. **Biomed Pharmacother** 1986;40(2):75–6
Proceedings of the British Institute of Radiology: The assurance of quality in medical imaging. London, May 21, 1986. Abstracts. **Br J Radiol** 1987 Mar;60(711):305–8
Criteria and methods for quality assurance in medical X-ray diagnosis. Proceedings of the scientific seminar. Udine, Italy, 17–19 April 1984. **Br J Radiol [Suppl]** 1985;18:1–179
Quality of care for youths in group homes. Cohen NA. **Child Welfare** 1986 Sep–Oct;65(5):481–94
CFMC: professional evaluation process—hospital care (Colorado Foundation for Medical Care). **Colo Med** 1987 May;84(8):150–1
Colorado Foundation for Medical Care: "Quality Assurance process". **Colo Med** 1987 May;84(8):146–8
Do therapists bias their ratings of patient functioning under peer review? Stahler GJ, et al. **Community Ment Health J** 1986 Winter;22(4):265–74
Lotus 1-2-3. A quality assurance application for nursing practice, administration, and staff development. Schifiliti C, et al. **Comput Nurs** 1986 Sep–Oct;4(5):205–11
Multihospital systems increase costs... and quality. Howard JW, et al. **Dimens Health Serv** 1987 Mar;64(2):20–4
Quality assurance in jeopardy? [editorial] Martin JC. **Dimens Health Serv** 1986 Nov;63(8):6–7 **(Eng, Fre)**
Quality assurance: simple, rational and desirable. Maxwell I. **Dimens Health Serv** 1986 Oct;63(7):36–7
Quality assurance. Stair TO. **Emerg Med Clin North Am** 1987 Feb;5(1):41–50
The principles of quality assurance. Report on a WHO meeting. **EURO Rep Stud** 1985;(94):1–37
Participation of corporate managers in mental health quality assurance teams. Plotkin AS. **Hosp Community Psychiatry** 1986 Nov;37(11):1158–60
Quality assurance sought for home health care. Droste T. **Hospitals** 1987 Jun 20;61(12):94
Multis tackle quality assurance systemwide. Nelson S. **Hospitals** 1987 Aug 5;61(15):108–9
The autopsy: a "new" means for proving quality.Nelson S. **Hospitals** 1987 Aug 20;61(16):59–60
Quality control parameters of intraoperative radiation therapy. Tepper JE, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1687–95
Prospectus. Office of Quality Assurance. **J Am Dent Assoc** 1987 May;114(5):674–5
Development and implementation of a human accuracy program in patient foodservice. Eden SH, et al. **J Am Diet Assoc** 1987 Apr;87(4):492–5
ACNP Quality Assurance and Practice Certification Committee Activities [letter] Beven T. **J Nucl Med** 1987 Jan;28(1):135–6
The effect of primary nursing on nursing quality assurance. Culpepper RC, et al. **J Nurs Adm** 1986 Nov;16(11):24–31
Measuring quality in ambulatory care nursing. Hastings CE. **J Nurs Adm** 1987 Apr;17(4):12–20
Credentialing: a pathway to quality. Murray JT. **J Nurs Adm** 1987 May;17(5):33
South Carolina PRO review [letter] Meyer TM. **J SC Med Assoc** 1987 May;83(5):277
Assuring quality in a trauma system—the Medical Audit Committee: composition, cost, and results. Shackford SR, et al. **J Trauma** 1987 Aug;27(8):866–75
Risk management through quality assurance. Mosser G. **Minn Med** 1987 Mar;70(3):149–50
The I-hate-quality-assurance cookbook. Mosser G, et al. **Minn Med** 1986 Dec;69(12):737–40
Clerical accuracy in the laboratory [letter] Ackerman VP, et al. **Pathology** 1986 Oct;18(4):480
Quality assurance in emergency pediatrics. Waskerwitz S, et al. **Pediatr Emerg Care** 1987 Jun;3(2):121–6
Two examples of monitoring and evaluating quality and appropriateness of care: a residential treatment center and hospice. **QRB** 1987 Feb;13(2):65–8
Evaluating improvements in multistaged health care: the risk-care-outcome cycle. Barell V, et al. **QRB** 1986 Nov; 12(11):404–7
Quality assurance as part of program evaluation: guidelines for managers and clinical department heads. Clemenhagen C, et al. **QRB** 1986 Nov;12(11):383–7
Blast or boost? How the Joint Commission fared in the Institute of Medicine's nursing home study. Freeman IC. **QRB** 1986 Dec;12(12):415–9
Quality of care for life-supported children who require prolonged mechanical ventilation at home. Goldberg AI, et al. **QRB** 1987 Mar;13(3):81–8
Responsibilities for quality assurance in prehospital care [letter] Henze HM. **QRB** 1986 Nov;12(11):374–5
Case classification and quality of care: issues to consider before making the investment. Iezzoni LI. **QRB** 1987 Apr; 13(4):135–9
Collective self-evaluation in a surgical department. Mellière D. **QRB** 1986 Nov;12(11):400–3
The proposed Joint Commission risk management standard: evolution or revolution? [letter] Minogue W. **QRB** 1987 Jun;13(6):190–1
The term "quality" [letter]Munchow OB. **QRB** 1986 Sep; 12(9):310
A simple approach to quality assurance in a complex ambulatory care setting. Oswald EM, et al. **QRB** 1987 Feb; 13(2):56–60
An audit of the effect of two cord-care regimens on bacterial colonization in newborn infants. Paes B, et al. **QRB** 1987 Mar;13(3):109–13
Toward meaningful blood usage review: comprehensive monitoring of physician practice. Renner SW, et al. **QRB** 1987 Mar;13(3):76–80
A study to identify who is the responsible physician for each patient in a teaching hospital. Rush JP, et al. **QRB** 1986 Dec;12(12):426–30
Analyzing patient time in the emergency department. Smeltzer CH, et al. **QRB** 1986 Nov;12(11):380–2
Contextual and organizational correlates of the quality of hospital nursing care. Wan TT, et al. **QRB** 1987 Feb; 13(2):61–4
Quality assurance in home health agencies: the role of the clinical pharmacist. Zuckerman IH, et al. **QRB** 1987 May; 13(5):166–70
Quality assurance in simulators. Przeslak AJ. **Radiography** 1987 Jan–Feb;53(607):27–30
Some results of quality assurance in medical radiography. Pană I, et al. **Radiol Diagn (Berl)** 1987;28(1):135–40
Development and implementation of a quality assurance program for mammography. de Paredes ES, et al. **Radiology** 1987 Apr;163(1):83–5
Quality assurance in radiation therapy: systematic evaluation of errors during the treatment execution. Blanco S, et al. **Radiother Oncol** 1987 Mar;8(3):253–61
Quality assurance control in the EORTC cooperative group of radiotherapy. 2. Dosimetric intercomparison. Johansson KA, et al. **Radiother Oncol** 1986 Nov;7(3):269–79
Quality assurance procedures in radiotherapy—IEC specifications for equipment. Rassow J, et al. **Strahlenther Onkol** 1986 Aug;162(8):496–502
[Health Maintenance Organizations; the quality of integrated health care] Schut FT, et al. **Ned Tijdschr Geneeskd** 1987 Mar 14;131(11):450–4 **(Dut)**
[Quality assurance in surgery by prospective assessment of the risk of complications by a simple point score] Grundmann R, et al. **Langenbecks Arch Chir** 1987; 371(1):3–12 (Eng. Abstr.) **(Ger)**
[Model of a uniform system for surgical statistics and quality assurance in surgery] Herwig H, et al. **Zentralbl Chir** 1987; 112(7):409–18 (Eng. Abstr.) **(Ger)**
[The geriatric patient in surgical gynecology. Results of the treatment of geriatric patients--a postoperative quality control] Rummler S, et al. **Zentralbl Gynakol** 1986; 108(18):1089–100 (Eng. Abstr.) **(Ger)**

ECONOMICS

Private utilization review and quality assurance. Stamm JB. **Bull NY Acad Med** 1987 Jan–Feb;63(1):87–92

LEGISLATION & JURISPRUDENCE

HHS ponders tying MDs incentives to HMO/CMP review. Traska MR. **Hospitals** 1987 May 5;61(9):55
The Feres doctrine and the Department of Defense Quality Assurance Plan. The road to high quality care in military medicine. Hilen DN. **J Leg Med (Chicago)** 1986 Dec; 7(4):521–45
Confronting professional liability: a roundtable discussion of medical risk management. Sanders PS, et al. **Minn Med** 1987 Mar;70(3):142–8
The Health Care Quality Improvement Act of 1986. George JE, et al. **NJ Med** 1987 Jun;84(6):401–3
Public service and ethical norms. Trombetta WL. **NJ Med** 1985 Nov;82(11):869
[The referral of patients within secondary health services] Molenaar JC. **Ned Tijdschr Geneeskd** 1986 Nov 22; 130(47):2114–5 **(Dut)**
[Introduction to the new roentgen ordinance] Becker U, et al. **Rontgenblatter** 1987 Jul;40(7):203–7 (Eng. Abstr.) **(Ger)**
[Implementing quality assurance in roentgen diagnosis in accordance with the new roentgen ordinance] Stender HS. **Rontgenblatter** 1987 Jul;40(7):208–14 (Eng. Abstr.) **(Ger)**

METHODS

The clinical audit cycle. Tugwell P, et al. **Aust Clin Rev** 1986 Jun;6(21):100–6
A system for unit-based monitors of quality of nursing care. Coyne C, et al. **J Nurs Adm** 1987 Jan;17(1):26–32
Monitoring and evaluation of the quality and appropriateness of care: an ambulatory health care example. Staff of the Division of Education and the Division of Accreditation, Joint Commission on Accreditation of Hospitals. **QRB** 1987 Jan;13(1):26–30
Computerizing the medical staff office. Lu SL, et al. **QRB** 1986 Sep;12(9):316–9
The use of billing data in quality assurance. Mendenhall S. **QRB** 1987 Jan;13(1):31–3
The Adverse Patient Occurrences Inventory: validity, reliability, and implications. Panniers TL, et al. **QRB** 1986 Sep;12(9):311–5

ORGANIZATION & ADMINISTRATION

The Auckland Hospital quality assurance committee. **Aust Clin Rev** 1986 Dec;6(23):204–5
Quality assurance activity in radiology. Carver AM, et al. **Aust Clin Rev** 1986 Dec;6(23):226–9
A model for the development and implementation of a quality assurance programme in an acute care facility. Corbett WJ. **Aust Clin Rev** 1986 Jun;6(21):74–80
Quality assurance development in Canadian nursing. Dick J, et al. **Aust Clin Rev** 1986 Jun;6(21):88–93
A model for the development and implementation of a quality assurance programme in a long term care facility. Jackson MR. **Aust Clin Rev** 1986 Jun;6(21):81–7
Establishing a quality assurance programme in a 200 bed hospital. Parker EM, et al. **Aust Clin Rev** 1986 Dec; 6(23):222–5
Quality assurance and clinical dietetics. Priest J. **Aust Clin Rev** 1986 Dec;6(23):213–9
Quality assurance planning for a potential work stoppage. Roberge G. **Aust Clin Rev** 1986 Jun;6(21):94–9
The role of the board of directors/trustees in the quality assurance programme. Wilson C. **Aust Clin Rev** 1986 Jun; 6(21):62–8
An office of medical practice evaluation: what is it and why have one? Dans PE, et al. **QRB** 1986 Sep;12(9):320–5
Quality assurance in a PaCS and case-mix environment. Patient Care and Services. Grimaldi PL, et al. **QRB** 1987 May;13(5):170–4
Quality assurance and risk management in small and rural hospitals: the roles of trustees, administration, and medical

staff. Roberts CC. **QRB** 1987 Jun;13(6):205–8

STANDARDS

Defining quality: Jacobs tackles it head–on. Powills S. **Hospitals** 1987 Feb 5;61(3):56–7
Monitoring and evaluation of the quality and appropriateness of care: a hospital example. Joint Commission on Accreditation of Hospitals. **QRB** 1986 Sep;12(9):326–30
Hospital compliance with Joint Commission standards: findings from 1984 surveys. Longo DR, et al. **QRB** 1986 Nov;12(11):388–94
The Joint Commission's model for monitoring and evaluation of quality care [letter] Mattice T. **QRB** 1987 Mar;13(3):74–5

TRENDS

What does the future hold for quality assurance? Davies GR. **Aust Clin Rev** 1986 Jun;6(21):110–1
The future of quality assurance in The Netherlands. Reerink E. **Aust Clin Rev** 1987 Mar;7(24):51–3
Quality assurance will play key role in reducing malpractice suits: CMPA. Canadian Medical Protective Association. Goldman B. **Can Med Assoc J** 1987 Sep 1;137(5):447–8
Utilization review and quality assurance: staying in the black and working with the blues. Sederer LI. **Gen Hosp Psychiatry** 1987 May;9(3):210–9
Increased physician input into QA predicted. Burda D. **Hospitals** 1987 Sep 20;61(18):34
Quality assurance [letter] Powers WE Jr. **Plast Reconstr Surg** 1986 Nov;78(5):693–4
Acute care delivery for the geriatric patient: an innovative approach. Collard AF, et al. **QRB** 1985 Jun;11(6):180–5
Ethical issues in the care of patients with AIDS. Cooke M. **QRB** 1986 Oct;12(10):343–6
Ethical issues in AIDS research. Grodin MA, et al. **QRB** 1986 Oct;12(10):347–52
Alliance for geriatric care. Katz PS. **QRB** 1985 Jun; 11(6):193–4
The challenge of providing quality psychiatric services in a rural setting. Loschen EL. **QRB** 1986 Nov;12(11):376–9
Ensuring quality hospice care for the person with AIDS. Martin JP. **QRB** 1986 Oct;12(10):353–8
Breast exposure: nationwide trends; a mammographic quality assurance program—results to date. Jensen JE, et al. **Radiol Technol** 1978 Nov–Dec;50(3):251–7
Who cares what care?: an inverse interest law? Eyles J, et al. **Soc Sci Med** 1986;23(10):1087–92
[Health education and health propaganda as constituents and quality criteria of modern medical care] Stumpe H, et al. **Z Arztl Fortbild (Jena)** 1987;81(4):185–7 **(Ger)**

QUALITY CONTROL

see related
REFERENCE STANDARDS

A proposal for quality control in gynecologic cytology [letter] Hindman WM. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):384–5
American Society of Human Genetics policy statement for maternal serum alpha–fetoprotein screening programs and quality control for laboratories performing maternal serum and amniotic fluid alpha–fetoprotein assays. **Am J Hum Genet** 1987 Feb;40(2):75–82
SEAPAL quality control analysis of rheumatoid factor measurement in 29 diagnostic laboratories. Roberts–Thomson PJ, et al. **Ann Rheum Dis** 1987 May; 46(5):417–20
Clinical and economic practice of quality control. **Clin Lab Med** 1986 Dec;6(4):611–818
Case–based payment and the control of quality and efficiency in hospitals. Wyszewianski L, et al. **Inquiry** 1987 Spring; 24(1):17–25
Assessment of goals and obstacles in data acquisition and analysis from emission tomography. Report of a series of international workshops. II. Quality control issues. Larson SM, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):S8–10
Quality control of ultrasonic scanners—a scheme for regular assessment. Lunt MJ. **Radiography** 1986 Jul–Aug; 52(604):193–5
Quality assurance control in the EORTC cooperative group of radiotherapy. 2. Dosimetric intercomparison. Johansson KA, et al. **Radiother Oncol** 1986 Nov;7(3):269–79
Internal quality control in clinical chemistry: a teaching review. Nix AB, et al. **Stat Med** 1987 Jun;6(4):425–40
[INR: an internationally accepted standard for the monitoring of oral anticoagulant treatment (letter)] Visser J. **Ned Tijdschr Geneeskd** 1986 Dec 20;130(51):2317 **(Dut)**
[Assessment of quality control at a district clinical laboratory using a programmable minicomputer] Buchhammer J, et al. **Z Med Lab Diagn** 1987;28(4):218–20 **(Ger)**
[Documents and archives of quality control laboratory data in the pharmaceutical industry] Filippi G, et al. **Boll Chim Farm** 1986 Aug;125(8):275–9 (Eng. Abstr.) **(Ita)**
[Quality controls for the gamma camera with single photon emission tomography] Bergamini C, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):71–5 (Eng. Abstr.) **(Ita)**
[Sensory evaluation of quality and quality differences in slaughtered chickens] Wittig de Penna E, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):631–9 (Eng. Abstr.) **(Spa)**

QUALITY OF HEALTH CARE

see related
PROFESSIONAL STAFF COMMITTEES
SOCIAL CONTROL, FORMAL

The 1987 Jerome Cochran lecture. Annis ER. **Ala Med** 1987 Jun;56(12):21–4, 29–32, 36
Adjusted hospital death rates: a potential screen for quality of medical care. Dubois RW, et al. **Am J Public Health** 1987 Sep;77(9):1162–6
Assessing quality of institutional care [editorial] Mosteller F. **Am J Public Health** 1987 Sep;77(9):1155–6
Quality assessment of tetanus prophylaxis in the wounded patient. Edlich RF, et al. **Am Surg** 1986 Oct;52(10):544–7
Trauma care system guidelines: improving quality through the systems approach. Cales RH, et al. **Ann Emerg Med** 1987 Apr;16(4):464
Surgical audit in a district general hospital: a stimulus for improving patient care. Glass RE, et al. **Ann R Coll Surg Engl** 1987 May;69(3):135–9
Quality of surgical practice [editorial] Hanlon CR. **Ann Thorac Surg** 1987 Jul;44(1):1
Mortality rates measure number of deaths and nothing more [editorial] Palmer PN. **AORN J** 1987 Jan;45(1):12–4
Litigation, quality and use of health services: international lessons from a uniquely American phenomenon. Jessee WF. **Aust Clin Rev** 1987 Jun;7(25):79–84
Performance indicators. Sanderson HF. **Br J Hosp Med** 1987 Mar;37(3):245, 248, 250–1
Quality of institutional care and the elderly: policy issues and options. Day P, et al. **Br Med J** 1987 Feb 7; 294(6568):384–7
Quality in general practice: case for the consumer. Kernick DP. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):737–8
How can good general practitioner care be achieved? Morrell DC, et al. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):161–2
Mortality from myocardial infarction in different types of hospitals. Reznik R, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1121–5
What is a good GP? Webster SG. **Br Med J [Clin Res]** 1986 Nov 22;293(6558):1351–2
Clinical evaluation: how does it influence medical practice? Fineberg HV. **Bull Cancer (Paris)** 1987;74(3):333–46
Quality of care assessment for breast cancer: how to measure benefits of prevention and therapy in oncology. Liberati A, et al. **Bull Cancer (Paris)** 1987;74(3):313–21
Quality assessment of dental restorations: a comparison by dentists and patients. Abrams RA, et al. **Community Dent Oral Epidemiol** 1986 Dec;14(6):317–9
Dentist and patient appraisal of complete dentures in a Dutch elderly population. Heyink J, et al. **Community Dent Oral Epidemiol** 1986 Dec;14(6):323–6
Reproducibility of an assessment scale of denture quality. Vervoorn JM, et al. **Community Dent Oral Epidemiol** 1987 Aug;15(4):209–10
Providing motivation for better diabetic care [editorial] Home P. **Diabetic Med** 1985 Nov;2(6):435–6
An approach to client satisfaction measurement as an attribute of health service quality. Elbeck M. **Health Care Manage Rev** 1987 Summer;12(3):47–52
Quality, access in forefront for HHS's Bowen [interview by Jeffrey Finn] Bowen O. **Hospitals** 1987 Jun 5;61(11):60–2
Organizational structure affects patient survival [interview by Emily Friedman] Knaus W. **Hospitals** 1987 Jul 5; 61(13):62–3
Coalitions rank quality as their top concern. Powills S. **Hospitals** 1987 May 5;61(9):76, 78
PA to collect data on quality; who's next? Powills S. **Hospitals** 1987 Jun 20;61(12):80, 82
Ford seeks to define quality. Powills S. **Hospitals** 1987 Apr 20;61(8):74, 76
Quality of care tops AHA chairman's agenda. Wegmiller DC. **Hospitals** 1987 Mar 20;61(6):152
Prudent laboratory usage, cost containment, and high quality medical care: are they compatible? Peterson SE, et al. **Hum Pathol** 1987 Feb;18(2):105–8
The early effects of the prospective payment system on inpatient utilization and the quality of care. DesHarnais S, et al. **Inquiry** 1987 Spring;24(1):7–16
Quality can be saved in a price–based system—but it isn't easy [editorial] Tresnowski BR. **Inquiry** 1987 Spring; 24(1):3–4
Preventable causes of death versus infant mortality as an indicator of the quality of health services. Buck C, et al. **Int J Health Serv** 1986;16(4):553–63
A critical eye. Spackman TJ. **Invest Radiol** 1987 Jan;22(1):73
"...Relating to the practice of medicine and the persons engaged in such practice..." Meenan PN. **Ir Med J** 1987 Apr;80(4):108–12
Physicians who care. Bronow R. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):642–6
The future of rationed health care [editorial] Dobson RL. **J Am Acad Dermatol** 1987 Jul;17(1):132–3
The quality of retail dental services: employee dentists' perceptions. Yablon P, et al. **J Am Coll Dent** 1986 Fall; 53(3):8–13
Psychotherapy quality assessment. Sarnat JE, et al. **J Am Coll Health Assoc** 1979 Dec;28(3):131–9
Toward a broader understanding of ethics, self–regulation, and quality assurance. Office of Quality Assurance. **J Am Dent Assoc** 1987 Feb;114(2):246–8
Tube feeding utilization: a quality of care review. Feitelson M, et al. **J Am Diet Assoc** 1987 Jan;87(1):73–4
The shrinking autonomy of the practicing physician and its impact on quality. Bellin LE. **J Community Health** 1986 Fall;11(3):155–64
Standards of care in family practice [editorial] Estes EH Jr. **J Fam Pract** 1987 Apr;24(4):346
Evaluation of standards of practice for primary care physicians using 12 hypothetical cases. Lawler FH, et al. **J Fam Pract** 1987 Apr;24(4):377–83
The quality of obstetric care in family practice: are family physicians as safe as obstetricians? Mengel MB, et al. **J Fam Pract** 1987 Feb;24(2):159–64
A comparison of patient satisfaction among prepaid and fee–for–service patients [published erratum appears in J Fam Pract 1987 May;24(5):464] Murray JP. **J Fam Pract** 1987 Feb;24(2):203–7
On the brink of disaster—the divergence of American culture and American medicine. Farmer HF Jr. **J Fla Med Assoc** 1986 Aug;73(8):621–5
The effect of age on the care of women with breast cancer in community hospitals. Chu J, et al. **J Gerontol** 1987 Mar; 42(2):185–90
The Joint Commission's "Agenda for Change" O'Leary DS. **J Med Assoc Ga** 1987 Jul;76(7):503–7
An American health dilemma [editorial] Byrd WM. **J Natl Med Assoc** 1986 Nov;78(11):1025–6
The cost–quality balance: an analysis of quality, effectiveness, efficiency, and cost. Ehrat KS. **J Nurs Adm** 1987 May; 17(5):6–14
Controlling the quality of surgical care [letter] Weiss L. **J Oral Maxillofac Surg** 1987 Aug;45(8):652
Quality in general practice: a focus on inner cities [editorial] Jarman B. **J R Coll Gen Pract** 1986 Sep;36(290):395–6
Quality in general practice Czech style. Martin E. **J R Soc Med** 1987 Jun;80(6):374–5
State medical discipline: defects and hindrances [editorial] Breaden DG, et al. **JAMA** 1987 Feb 13;257(6):828–9
An overview of state medical discipline. Kusserow RP, et al. **JAMA** 1987 Feb 13;257(6):820–4
The hospital 'surgical signature': A quality–assessment tool [editorial] McAfee RE. **JAMA** 1987 Feb 20;257(7):972
The Joint Commission looks to the future [editorial] O'Leary DS. **JAMA** 1987 Aug 21;258(7):951–2
The AMA and the future of medicine [letter] Starr JE. **JAMA** 1987 Oct 2;258(13):1730–1
Age as a risk factor for inadequate treatment [editorial] Wetle T. **JAMA** 1987 Jul 24–31;258(4):516
Measuring physician behavior. Gerbert B, et al. **Med Care** 1986 Sep;24(9):838–47
AMA irons in the fire boil down to quality care. Coury JJ Jr. **Mich Med** 1987 Mar;86(3):123–5
Preserving access and quality in rural areas. Durenberger D. **Minn Med** 1987 Jan;70(1):29–30
Shattuck lecture—what is quality care? Bowen OR. **N Engl J Med** 1987 Jun 18;316(25):1578–80
DRGs and quality care [letter] Pescovitz H. **Ohio Med** 1987 Mar;83(3):133, 203–4
The 5 A's of health care system quality: suggested criteria and methodology for a consensus–derived systemic definition of quality in health care. May AN. **Ohio State Med J** 1986 Sep;82(9):585–9
They're talking about quality, again! Fifer WR. **Pa Med** 1987 Mar;90(3):24–35
Towards a good hospital guide. Paton A. **Postgrad Med J** 1986 Nov;62(733):1063–4
Two examples of monitoring and evaluating quality and appropriateness of care: a residential treatment center and hospice. **QRB** 1987 Feb;13(2):65–8
The ambulatory care parameter: a structured approach to quality assurance in the ambulatory care setting. Benson DS, et al. **QRB** 1987 Feb;13(2):51–5
Relating quality and cost in a home health care agency. Harris MD, et al. **QRB** 1987 May;13(5):175–81
Severity of illness, quality of care, and physician practice as determinants of hospital resource consumption. Panniers TL. **QRB** 1987 May;13(5):158–65
Assessing the quality of care in a hospital emergency unit: a framework and its application. Rhee KJ, et al. **QRB** 1987 Jan;13(1):4–16
Patient satisfaction—an attribute or indicator of the quality of care? Vuori H. **QRB** 1987 Mar;13(3):106–8
A time for change and a time to remain the same [editorial] Feng PH. **Singapore Med J** 1986 Dec;27(6):461–3
Maintaining professional quality through innovation and changes in health care. Holst E. **Soc Sci Med** 1987; 24(9):705–8
Communication climate and patient care: causes and effects of nurses' attitudes to patients. Nievaard AC. **Soc Sci Med** 1987;24(9):777–84
Accessibility, quality of care and prenatal care use in the Philippines. Wong EL, et al. **Soc Sci Med** 1987; 24(11):927–44
The shopping center model of hospital care [editorial] Weiner MF. **Tex Med** 1987 May;83(5):8
Peer review's data capability is important policing tool. Nelson CM. **Va Med** 1987 Jan;114(1):21–2
Changing physician payment for Medicare patients. Projected effects on the quality of care. Hammons GT, et al. **West J Med** 1986 Nov;145(5):704–9
Quality of care for psychotropic drug use in internal medicine group practices. Wells KB, et al. **West J Med** 1986 Nov; 145(5):710–4

[The significance and contribution of forensic medicine to the management and quality evaluation of health care] Neoral L. **Bratisl Lek Listy** 1987 Apr;87(4):402–10 (Eng. Abstr.) **(Cze)**

[The Hygiene Committee: 50 years. Health for the year 2000] **Ugeskr Laeger** 1986 Nov 10;148(46):2987–3107 **(Dan)**

[Meaning of the category of the quality of medical care] Ivanov L. **Sante Publique (Bucur)** 1986 Jul–Dec; 29(3–4):135–44 (Eng. Abstr.) **(Fre)**

[Work schedule in ambulatory consultation] Hess F. **Z Arztl Fortbild (Jena)** 1986;80(19):795–7 **(Ger)**

[Can quality control be applied to psychotherapy? Review of the literature] Shorek J, et al. **Harefuah** 1987 Mar 1; 112(5):251–4 (32 ref.) **(Heb)**

[Are our patients satisfied? A patient's evaluation of the service and information at a dermatologic outpatient clinic] Jensen P. **Tidsskr Nor Laegeforen** 1986 Sep 10; 106(25):2077–8 (Eng. Abstr.) **(Nor)**

[Quality in general practice] Rutle O. **Tidsskr Nor Laegeforen** 1986 Aug 20;106(23):1845–9 **(Nor)**

[Traumatism in the adult rural population and expert evaluation of the quality of medical aid rendered] Kiselev VIa, et al. **Ortop Travmatol Protez** 1986 Jul;(7):55–8 **(Rus)**

[Improvement in the medical care for victims of vehicular traffic accidents at the prehospital stage] Shumada IV, et al. **Ortop Travmatol Protez** 1987 Mar;(3):41–4 **(Rus)**

[Monitoring the quality of hospital medical services] Vedenko BG. **Sov Zdravookhr** 1987;(1):37–8 **(Rus)**

[The 17th meeting of the Czechoslovak Communist Party and the status of Czechoslovak neurology] Bartko D. **Cesk Neurol Neurochir** 1986 Jul;49(4):197–8 **(Slo)**

ECONOMICS

Medical care. Quality assessment and quality assurance [editorial] Schenken JR. **Arch Pathol Lab Med** 1986 Oct; 110(10):876–8

Quality care and cost–effectiveness. An organized approach to problem solving. Nightingale CH, et al. **Arch Surg** 1987 Apr;122(4):451–6

Health care's third party payer: interloper or facilitator? Burson H. **Bull NY Acad Med** 1986 Dec;62(10):973–9

Medicare 1986: can society afford quality physician care? Part II. Hengstler LK. **Geriatrics** 1986 Oct;41(10):15–6, 19

Ownership, regulation, quality assessment, and performance in the long–term health care industry. Ullmann SG. **Gerontologist** 1987 Apr;27(2):233–9

Business cannot afford poor quality: Kerr. Pilpel RH. **Hospitals** 1987 Jun 5;61(11):54

Quality of care and cost containment [letter] Dowling PT. **J Fam Pract** 1987 May;24(5):456

Economics in hypertension management: cost and quality trade–offs. Stason WB. **J Hypertens [Suppl]** 1987 Feb; 5(1):S55–9

Care in the Rochester experimental payment program [letter] Meggs WJ. **JAMA** 1987 Jun 19;257(23):3227–8

Quality care and lower costs: are they compatible? Soefer EF. **NJ Med** 1987 Jan;84(1):47–8

Balancing cost and quality [editorial] Smith DA. **Pa Med** 1987 May;90(5):10

Cost containment as a professional challenge. Brody H. **Theor Med** 1987 Feb;8(1):5–17

Accountable in any system [editorial] Smith MA. **Va Med** 1987 Mar;114(3):160–1

LEGISLATION & JURISPRUDENCE

New tort reforms address access to care problems. Burda D. **Hospitals** 1987 Apr 20;61(8):68

The Feres doctrine and the Department of Defense Quality Assurance Plan. The road to high quality care in military medicine. Hilen DN. **J Leg Med (Chicago)** 1986 Dec; 7(4):521–45

Medical malpractice litigation: does it augment or impede quality care? [editorial] DeAngelis C. **J Pediatr** 1987 Jun; 110(6):878–80

Congress moves to bolster peer review: the Health Care Quality Improvement Act of 1986. Iglehart JK. **N Engl J Med** 1987 Apr 9;316(15):960–4

Medical malpractice and quality of care. Waxman HA. **N Engl J Med** 1987 Apr 9;316(15):943–4

Insurance coverage. George JE, et al. **NJ Med** 1987 Mar; 84(3):169–70

Health codes for newborn care. Caravella SJ, et al. **Pediatrics** 1987 Jul;80(1):1–5

STANDARDS

Learning from traditional combat mortality and morbidity data used in the evaluation of combat medical care. Carey ME. **Milit Med** 1987 Jan;152(1):6–13

TRENDS

Quality of care. AMA Council on Medical Service. **Conn Med** 1986 Dec;50(12):832–4

From chaos to order? Massey RU. **Conn Med** 1986 Nov; 50(11):771

Does increased physician supply affect quality of care? Perrin JM, et al. **Health Aff (Millwood)** 1986 Winter;5(4):63–72

Quality: from imperatives to innovations. Dunbar S. **Heart Lung** 1987 May;16(3):23A, 26A–27A, 30A passim

In search of excellence: a road map for CEOs [interview by Myk Cherskov] Peters T. **Hospitals** 1987 May 5; 61(9):91–2

Physicians unite! Patients deserve no less [editorial] Spaeth GL. **Ophthalmic Surg** 1987 Jun;18(6):411–2

[My concerns about health care in Quebec (editorial)] Letendre JF. **Union Med Can** 1987 Mar;116(3):142–3 **(Fre)**

[Principal goal—improve the quality and efficiency of medical services] Romanenko AE. **Sov Zdravookhr** 1986; (9):3–8 **(Rus)**

QUALITY OF LIFE

Assessment of quality of life in clinical trials [editorial] Wiklund I, et al. **Acta Med Scand** 1986;220(1):1–3

Quality of life: concept and approach to measurement. Wenger NK. **Adv Cardiol** 1986;33:122–30

Antihypertensive therapy and quality of life. Rakel RE. **Am Fam Physician** 1987 Mar;35(3):221–6

Quality of life in cardiovascular disease. Interaction of pharmacotherapy, disease, and life style. Proceedings of a symposium. September 18, 1986, Washington, D.C. **Am Heart J** 1987 Jul;114(1 Pt 2):209–60

Use of beta blockers in postinfarct prophylaxis: aspects on quality of life. Hjalmarson AC. **Am Heart J** 1987 Jul;114(1 Pt 2):245–50 (11 ref.)

Quality of life after myocardial infarction. Julian DG. **Am Heart J** 1987 Jul;114(1 Pt 2):241–4

Ischemic heart disease: a patient–specific therapeutic approach with emphasis on quality of life considerations. Scheidt S. **Am Heart J** 1987 Jul;114(1 Pt 2):251–7 (21 ref.)

Drug therapy and quality of life in angina pectoris. Taylor SH. **Am Heart J** 1987 Jul;114(1 Pt 2):234–40 (23 ref.)

Ten–year effect of medical and surgical therapy on quality of life: Veterans Administration Cooperative Study of Coronary Artery Surgery. Peduzzi P, et al. **Am J Cardiol** 1987 May 1;59(12):1017–23

Periampullary and pancreatic head carcinoma: facts and factors influencing mortality, survival, and quality of postoperative life. Lygidakis NJ, et al. **Am J Gastroenterol** 1986 Oct;81(10):968–74

Utility of behavioral science techniques in assessing adverse effects of antihypertensive agents. Williams GH. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):61–5

Impact of anxiety therapy on patients' quality of life. Feighner JP. **Am J Med** 1987 May 22;82(5A):14–9

Quality of life and its impact on hypertensive patients. Williams GH. **Am J Med** 1987 Jan;82(1):98–105

End–stage renal disease treatment modality and patients' quality of life. Longitudinal assessment. Kutner NG, et al. **Am J Nephrol** 1986;6(5):396–402

OASIS: a new concept for promoting the quality of life for older adults. Mann M, et al. **Am J Occup Ther** 1986 Nov; 40(11):784–6

Biological consequences of cancer and its treatment and their relationship to current treatment planning. Jaffe N. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):62–7 (65 ref.)

An evaluation of case management. Franklin JL, et al. **Am J Public Health** 1987 Jun;77(6):674–8

Economic development, political–economic system and PQL [letter] [published erratum appears in Am J Public Health 1987 Apr;77(4):515] Kwon IW. **Am J Public Health** 1987 Feb;77(2):242–3

Physical quality of life and the political–economic system [letter] [published erratum appears in Am J Public Health 1987 Apr;77(4):515] Zilberg Y. **Am J Public Health** 1987 Feb;77(2):240

Proximal bile duct cancer. Quality of survival. Lai EC, et al. **Ann Surg** 1987 Feb;205(2):111–8

Quality of life concerns in the rehabilitation of patients with cardiovascular disease. Wenger NK. **Bibl Cardiol** 1986; (40):109–28 (75 ref.)

Survival and quality of life in 23 patients with severe aplastic anemia treated with bone marrow transplantation (BMT). Hinterberger W, et al. **Blut** 1987 Mar;54(3):137–46

Quality of life during antihypertensive therapy: techniques for clinical assessment and evaluation. Testa MA. **Br J Clin Pharmacol** 1987;23 Suppl 1:9S–13S

Too sick and old for intensive care [editorial] Knaus WA. **Br J Hosp Med** 1987 May;37(5):381

The life satisfaction index—well–being: its internal reliability and factorial composition. James O, et al. **Br J Psychiatry** 1986 Nov;149:647–50

Quality of life: methodological aspects. Van Dam F. **Bull Cancer (Paris)** 1986;73(5):607–13

Strategies for the management of recurrent and advanced urologic cancers. Quality of life. Herr HW. **Cancer** 1987 Aug 1;60(3 Suppl):623–30

Quality of life measurement in testicular cancer patients. Herr HW. **Cancer** 1987 Sep 15;60(6):1412–4

Quality of life. Smart CR, et al. **Cancer** 1987 Aug 1;60(3 Suppl):620–2

The kingdom of the near–dead. The shortened unnatural life history of primary pulmonary hypertension. Robin ED. **Chest** 1987 Aug;92(2):330–4

Behavioral consequences of hypertension and antihypertensive therapy. Shapiro AP, et al. **Circulation** 1987 Jul;76(1 Pt 2):I101–3

Efficacy and influence on quality of life of enalapril as a first step treatment of hypertension. Chatellier G, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):513–9

Measurement of quality of life in end–stage renal disease: the time trade–off approach. Churchill DN, et al. **Clin Invest Med** 1987 Jan;10(1):14–20

Beyond the nursery door: the obligation to survivors of technology. Battle CU. **Clin Perinatol** 1987 Jun; 14(2):417–27

Ethical issues in medicine. **Colo Med** 1987 Jun 15; 84(10):199–202

Quality of life among long–term survivors of intensive care. Zarén B, et al. **Crit Care Med** 1987 Aug;15(8):743–7

Managers and staff improve quality of working life. McColl CM. **Dimens Health Serv** 1987 Feb;64(1):37–9

Symptomatic recurrences of carcinoma of the rectum and sigmoid. The influence of radiotherapy on the quality of life. Pacini P, et al. **Dis Colon Rectum** 1986 Dec; 29(12):865–8

Quality of life in patients with non–small cell lung cancer treated with chemotherapy. Feld R. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):357–9 (15 ref.)

The effect of radical and conserving surgery on the quality of life of early breast cancer patients. de Haes JC, et al. **Eur J Surg Oncol** 1986 Dec;12(4):337–42

Withholding treatment when death is not imminent. Abrams FR. **Geriatrics** 1987 May;42(5):77–9, 83–4

Refusal to treat: can it be justified? A Mount Sinai CPC. Meier D, et al. **Geriatrics** 1987 Jul;42(7):87, 90–1, 94

The quality of life in Crohn's disease [editorial] Gazzard BG. **Gut** 1987 Apr;28(4):378–81

Life prospects and quality of life in patients with Crohn's disease. Sørensen VZ, et al. **Gut** 1987 Apr;28(4):382–5

Coronary artery bypass surgery: quality of life during early convalescence. Flynn MK, et al. **Heart Lung** 1987 Mar; 16(2):159–67

Impact of symptom frequency and symptom distress on self–reported quality of life in heart transplant recipients. Lough ME, et al. **Heart Lung** 1987 Mar;16(2):193–200

The quality of life of chronic patients in a state hospital and in community residences. Lehman AF, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):901–7

On quality of life [letter] Johnson HA. **IMJ** 1987 Aug; 172(2):82

Contextual age as a life–position index. Rubin AM, et al. **Int J Aging Hum Dev** 1986;23(1):27–45 (36 ref.)

Life quality in patients under hypotensive treatment. Pupita F, et al. **Int J Clin Pharmacol Res** 1987;7(1):13–7

Capitalism, socialism, and the physical quality of life. Cereseto S, et al. **Int J Health Serv** 1986;16(4):643–58

The quality of life: design and evaluation of a self–assessment instrument for use with cancer patients. Holmes S, et al. **Int J Nurs Stud** 1987;24(1):15–24

Transplant failure does not compromise quality of life in end–stage renal disease. Binik YM, et al. **Int J Psychiatry Med** 1986–87;16(3):281–92

Oral health and the quality of life. Giddon DB. **J Am Coll Dent** 1987 Summer;54(2):10–5

Intensive care for the elderly: outcome of elective and nonelective admissions. Sage WM, et al. **J Am Geriatr Soc** 1987 Apr;35(4):312–8

Life satisfactions for women physicians. Ducker DG. **J Am Med Wom Assoc** 1987 Mar–Apr;42(2):57–9

Quality of life of the hypertensive patient. Williams GH. **J Am Osteopath Assoc** 1987 Feb;87(2 Suppl):181–3

ACE inhibitors and the quality of life. Swales JD. **J Cardiovasc Pharmacol** 1987;9 Suppl 3:S22–5 (13 ref.)

The Portugal Conference: Measuring quality of life and functional status in clinical and epidemiological research. Proceedings. **J Chronic Dis** 1987;40(6):459–650

Resource allocation decisions in health care: a role for quality of life assessments? Drummond MF. **J Chronic Dis** 1987; 40(6):605–19

Evaluation of quality of life in clinical trials of cardiovascular disease. Fletcher AE, et al. **J Chronic Dis** 1987;40(6):557–69 (51 ref.)

Judging the quality of life after surgical operations. Goligher JC. **J Chronic Dis** 1987;40(6):631–3

Quality of life measurement in the clinical realm. Greer DS. **J Chronic Dis** 1987;40(6):629–30

The science of quality of life [editorial] Katz S. **J Chronic Dis** 1987;40(6):459–63

Utility, decision, and quality of life. Lane DA. **J Chronic Dis** 1987;40(6):585–91

The place of psychosocial studies in medicine and surgery. Margolese RG. **J Chronic Dis** 1987;40(6):627–8

Quality of life from the epidemiologic perspective. Miettinen OS. **J Chronic Dis** 1987;40(6):641–3

Cancer patients' quality of life over the disease course: lessons from the real world. Mor V. **J Chronic Dis** 1987; 40(6):535–44

Quality of life of cancer patients at different stages in the disease trajectory. Morris JN, et al. **J Chronic Dis** 1987; 40(6):545–56

Implications of measures of quality of life for policy development. Mosteller F. **J Chronic Dis** 1987;40(6):645–50

Measuring the effectiveness of heart transplant programmes: quality of life data and their relationship to survival analysis. O'Brien BJ, et al. **J Chronic Dis** 1987;40 Suppl 1:137S–158S

Quality of life variables in surgical trials. O'Young J, et al. **J Chronic Dis** 1987;40(6):513–22 (63 ref.)

Impaired quality of life as a risk factor in cardiovascular disease. Siegrist J. **J Chronic Dis** 1987;40(6):571–8

State of science 1986: quality of life and functional status

as target variables for research. Spitzer WO. **J Chronic Dis** 1987;40(6):465–71
Utility approach to measuring health-related quality of life. Torrance GW. **J Chronic Dis** 1987;40(6):593–603 (40 ref.)
Quality of life: an important endpoint both in surgical practice and research. Troidl H, et al. **J Chronic Dis** 1987; 40(6):523–8
Reintegration to Normal Living as a proxy to quality of life. Wood-Dauphinee S, et al. **J Chronic Dis** 1987; 40(6):491–502
Predictors and indicators of quality of life in patients with closed-head injury. Klonoff PS, et al. **J Clin Exp Neuropsychol** 1986 Oct;8(5):469–85
Quality of life of patients on long-term total parenteral nutrition at home. Detsky AS, et al. **J Gen Intern Med** 1986 Jan–Feb;1(1):26–33
Assessing quality of life [letter] Radwany SM. **J Gen Intern Med** 1987 May–Jun;2(3):210–1
Quality of life and resuscitation decisions in elderly patients. Starr TJ, et al. **J Gen Intern Med** 1986 Nov–Dec;1(6):373–9
Life satisfaction and quality of life among disabled elderly adults. Osberg JS, et al. **J Gerontol** 1987 Mar;42(2):228–30
Longevity, gender, and life quality. Haug MR, et al. **J Health Soc Behav** 1986 Dec;27(4):332–45
The changing terrains in medical sociology: emergent concern with quality of life. Levine S. **J Health Soc Behav** 1987 Mar;28(1):1–6
Life satisfaction following heart transplantation. Lough ME, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):446–9
Quality of life under antihypertensive treatment. Satellite symposium of the eleventh scientific meeting of the International Society of Hypertension. 6 September 1986, Heidelberg, Federal Republic of Germany. Proceedings. **J Hypertens [Suppl]** 1987 Feb;5(1):S1–63
Measurement of the quality of life in angina. Bulpitt CJ, et al. **J Hypertens [Suppl]** 1987 Feb;5(1):S41–5 (35 ref.)
Initial therapy in hypertension: quality-of-life considerations. Hollenberg NK. **J Hypertens [Suppl]** 1987 Feb;5(1):S3–7 (40 ref.)
Disparate effects of initial antihypertensive therapy on well-being. Otten H, et al. **J Hypertens [Suppl]** 1987 Feb; 5(1):S37–40
Stress management, blood pressure and quality of life. Patel C, et al. **J Hypertens [Suppl]** 1987 Feb;5(1):S21–8 (71 ref.)
Untreated hypertensives and their quality of life. Siegrist J, et al. **J Hypertens [Suppl]** 1987 Feb;5(1):S15–20
Interpreting quality-of-life clinical trial data for use in the clinical practice of antihypertensive therapy. Testa MA. **J Hypertens [Suppl]** 1987 Feb;5(1):S9–13
Impact of antihypertensive therapy on quality of life: effect of hydrochlorothiazide. Williams GH, et al. **J Hypertens [Suppl]** 1987 Feb;5(1):S29–35
Wrongful life: some of the problems. Liu AN. **J Med Ethics** 1987 Jun;13(2):69–73
Quality of life after loco-regional recurrence and in advanced breast cancer. Routh A, et al. **J Miss State Med Assoc** 1987 Apr;28(4):87–90
Short-term v long-term quality of life in children following repair of high imperforate anus. Ditesheim JA, et al. **J Pediatr Surg** 1987 Jul;22(7):581–7
Quality of life measurements in patients with malignant disease [editorial] Gold J. **J R Soc Med** 1986 Oct;79(10):622
Sexual quality-of-life of patients with arthritis compared to arthritis-free controls. Blake DJ, et al. **J Rheumatol** 1987 Jun;14(3):570–6
The status of patient status measures. Meenan RF, et al. **J Rheumatol** 1987 Jun;14(3):411–4
Quality-adjusted life-years [letter] **Lancet** 1987 Jun 13; 1(8546):1372–3
Quality of life [letter] Mercier M, et al. **Lancet** 1987 Jul 18; 2(8551):161–2
Qualms about QALYs. Smith A. **Lancet** 1987 May 16; 1(8542):1134–6
Quality-adjusted life-years [letter] Smith A. **Lancet** 1987 Jul 4;2(8549):46–7
Health and the arms race. Holdstock D. **Med War** 1985 May–Aug;1(2):83–5
Antihypertensive therapy and quality of life [letter] **N Engl J Med** 1987 Jan 1;316(1):52–4
Quality of life in patients 2 to 4 years after closed head injury. Klonoff PS, et al. **Neurosurgery** 1986 Nov;19(5):735–43
Treatment of patients with stage IV cancer: do the ends justify the means? Burns L, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):8–14
Quality of life and rates of suicide and homicide. Lester D. **Percept Mot Skills** 1987 Feb;64(1):94
Quality of life assessment in bladder cancer clinical trials: conceptual, methodological and practical issues. Aaronson NK, et al. **Prog Clin Biol Res** 1986;221:149–70
Speculations on the measurement of recovery from severe psychiatric disorder and the human condition. Harding CM. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):199–204
Survival and quality of life after continuous accelerated radiotherapy of glioblastomas. Keim H, et al. **Radiother Oncol** 1987 May;9(1):21–6
Predictors of life outlook of older single women. Hoeffer B. **Res Nurs Health** 1987 Apr;10(2):111–7
Quality of life for patients in an end-stage renal disease programme. Seedat YK, et al. **S Afr Med J** 1987 Apr 18; 71(8):500–4
Gastric cancer. Importance of surgical staging, tumour pathology, and quality of life. **Scand J Gastroenterol [Suppl]** 1987;133:1–106
Life with an ileal conduit in cystectomized bladder cancer patients: expectations and experience. Fossâ SD, et al. **Scand J Urol Nephrol** 1987;21(2):97–101
Suicide, homicide, and the quality of life: an archival study. Lester D. **Suicide Life Threat Behav** 1986 Fall;16(3):389–92
Symptoms in end-stage renal disease: dialysis v transplantation. Parfrey PS, et al. **Transplant Proc** 1987 Aug;19(4):3407–9
Nutrition and the quality of life. **World Rev Nutr Diet** 1987; 49:1–215
Undernutrition and quality of life. Gabr M. **World Rev Nutr Diet** 1987;49:1–21 (35 ref.)
[Survival and quality of life in small cell anaplastic pulmonary carcinoma] Bonde JP, et al. **Ugeskr Laeger** 1986 Dec 15; 148(51):3446–8 (Eng. Abstr.) **(Dan)**
[One doesn't mention euthanasia with newborn infants... (letter)] Eskes TK. **Ned Tijdschr Geneeskd** 1987 Jun 13; 131(24):1056–7 **(Dut)**
[Surgery of atrial septal defects in patients over 60 years old?] Harjula A, et al. **Duodecim** 1986;102(19):1365–70 (Eng. Abstr.) **(Fin)**
[Quality of life and the social and spiritual environment] Moerman J. **Arch Belg** 1986;44(9–10):357–62 **(Fre)**
[Can the quality and duration of life be integrated? Proposal for a new criterion for decision] Asselain B, et al. **Bull Cancer (Paris)** 1986;73(6):709–12 (Eng. Abstr.) **(Fre)**
[Assessment of the quality of life of cancer patients. The preliminary applications to advanced bronchial cancers] Belpomme D, et al. **Bull Cancer (Paris)** 1986;73(5):627–33 (Eng. Abstr.) **(Fre)**
[Evaluation of the quality of life during treatment] Bernheim JL. **Bull Cancer (Paris)** 1986;73(5):614–9 (Eng. Abstr.) **(Fre)**
[Quality of life in ENT cancers] Brugère J, et al. **Bull Cancer (Paris)** 1986;73(5):634–40 (Eng. Abstr.) **(Fre)**
[Psychoanalysis and psychometric evaluation] Brun D. **Bull Cancer (Paris)** 1986;73(6):713–5 (Eng. Abstr.) **(Fre)**
[Can the quality of life be quantified?] Higgins RW. **Bull Cancer (Paris)** 1986;73(6):704–8 (Eng. Abstr.) **(Fre)**
[Data collection from patients treated for Hodgkin's disease. Relation to quality of life] Hoerni B, et al. **Bull Cancer (Paris)** 1986;73(3):305–10 (Eng. Abstr.) **(Fre)**
[Role of the nurse in the improvement of the quality of life of cancer patients] Jomain C. **Bull Cancer (Paris)** 1986; 73(6):694–5 **(Fre)**
[Therapeutic collaboration in the patient care team] Ruszniewski M, et al. **Bull Cancer (Paris)** 1986; 73(6):696–700 (Eng. Abstr.) **(Fre)**
[Assessment of the quality of life] Schraub S, et al. **Bull Cancer (Paris)** 1987;74(3):297–305 (Eng. Abstr.) **(Fre)**
[Evaluation of palliative care in the terminal stage] Vanier T. **Bull Cancer (Paris)** 1986;73(6):690–3 (Eng. Abstr.) **(Fre)**
[Objectives of the study of the quality of life in oncology] Zittoun R. **Bull Cancer (Paris)** 1986;73(5):601–6 (Eng. Abstr.) **(Fre)**
[Chemo-hormonotherapy and the quality of life of the cancer patient] Focan C. **Rev Med Liege** 1986 Sep 15;41(18):661–9 **(Fre)**
[Living like before or: finding one's self, living like previously after a breast ablation] Houbeau M. **Rev Med Liege** 1986 Sep 15;41(18):697–700 **(Fre)**
[Quality of life and breast neoplasms] Longueville J. **Rev Med Liege** 1986 Sep 15;41(18):676–80 **(Fre)**
[Method of global evaluation of life expectancy and quality of life in bronchial cancer] Minet P, et al. **Rev Med Liege** 1986 Sep 1;41(17):637–48 **(Fre)**
[The syndrome of hospital-centeredness] Blanc P. **Schweiz Rundsch Med Prax** 1987 Mar 31;76(14):362–5 (Eng. Abstr.) **(Fre)**
[Better quality of life for the hypertensive patient. 11th International Congress on Hypertension. Heidelberg, 31 August–7 September 1986] **Fortschr Med** 1986;104 Suppl 9:1–15 **(Ger)**
[Chronic bronchitis: the quality of life of affected patients and public economic costs] Leu RE, et al. **Prax Klin Pneumol** 1986 Sep;40(9):367–71 (Eng. Abstr.) **(Ger)**
[Subjective quality of life of surgically treated glioma patients undergoing polychemotherapy] Schmidt B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):584–91 (Eng. Abstr.) **(Ger)**
[Life satisfaction and the course of rehabilitation—a study of cardiovascular patients] Myrtek M, et al. **Rehabilitation (Stuttg)** 1987 Feb;26(1):11–9 (Eng. Abstr.) **(Ger)**
[Palliative tumor chemotherapy and quality of life: what is optimal?] Brunner KW. **Schweiz Med Wochenschr** 1987 May 2;117(18):688–92 (Eng. Abstr.) **(Ger)**
[Chance for prolonging life and decreasing the quality of life by intensive chemotherapy] Schreml W. **Verh Dtsch Ges Inn Med** 1986;92:439–46 **(Ger)**
[Adequate life style of the handicapped patient] Jochheim KA. **Wien Med Wochenschr** 1987 Feb 15;137(2–3):38–9 (Eng. Abstr.) **(Ger)**
[Medicamentous strategy for improving the quality of life in the senescence] Knoll J. **Wien Med Wochenschr [Suppl]** 1986;98:1–18 (Eng. Abstr.) **(Ger)**
[Quality of life in patients with advanced cancer] Furue H. **Gan To Kagaku Ryoho** 1987 Jan;14(1):1–10 (57 ref.) (Eng. Abstr.) **(Jpn)**
[Improved quality of life in a patient with Borrmann type 4 gastric cancer treated with combination chemotherapy] Yashige H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1917–20 (Eng. Abstr.) **(Jpn)**
[Clinical significance of a physical activity index based on calorimetry in the assessment of quality of life after total gastrectomy] Sakamoto K, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):432–9 (Eng. Abstr.) **(Jpn)**
[Methods for measuring of health and the quality of life] Maeland JG. **Tidsskr Nor Laegeforen** 1987 Apr 30; 107(12):1053–7 (Eng. Abstr.) **(Nor)**
[Analysis of health and life conditions of the urban population of Botucatu, SP. I—Description of the sampling plan and evaluation of the sample] Carandina L, et al. **Rev Saude Publica** 1986 Dec;20(6):465–74 (Eng. Abstr.) **(Por)**
[Health education and problems of the sanitary improvement of working and living conditions of the population of Bashkiria in the '20s and '30s] Ibragimov NG. **Gig Sanit** 1986 Dec;(12):41–3 **(Rus)**
[Quality of life of the heart patient] Villalpando Gutiérrez J. **Arch Inst Cardiol Mex** 1986 Jul–Aug;56(4):277–82 **(Spa)**
[The impact of world recession on the children] Rosselot J. **Rev Chil Pediatr** 1986 Jan–Feb;57(1):86–90 (Eng. Abstr.) **(Spa)**
[Development of health education—an updating of concepts] Pilon AF. **Rev Saude Publica** 1986 Oct;20(5):391–6 (Eng. Abstr.) **(Spa)**

QUANTUM THEORY

[Quantum yield of single- and two-quantum photoreactions in dinucleotide dTpdT and DNA after high-intensity picosecond UV-irradiation] Esenaliev RO, et al. **Dokl Akad Nauk SSSR** 1987 Mar–Apr;293(1):232–5 **(Rus)**

QUARANTINE

Legal control measures for AIDS: reporting requirements, surveillance, quarantine, and regulation of public meeting places. Gostin L, et al. **Am J Public Health** 1987 Feb; 77(2):214–8
Human quarantine procedures in Australia. Hackett BJ. **Aust Fam Physician** 1987 Feb;16(2):163–5
California puts AIDS quarantine plan to a vote. McCormick B. **Hospitals** 1986 Oct 20;60(20):96
Quarantine method for preparation of safe factor VIII blood products [letter] Olthuis HP, et al. **Lancet** 1987 Mar 21; 1(8534):689
Quarantine and the problem of AIDS. Musto DF. **Milbank Q** 1986;64 Suppl 1:97–117
[An alternative to the heat treatment of factor VIII products: the quarantine method] Olthuis HP, et al. **Ned Tijdschr Geneeskd** 1987 Mar 28;131(13):541–2 **(Dut)**

HISTORY

The activity of Genoa health authorities at the turn of the 17th century as an example of work of antiepidemic service. Ulewicz K, et al. **Bull Inst Marit Trop Med Gdynia** 1986; 37(1–2):121–8
A plague epidemic in voluntary quarantine. Coleman MP. **Int J Epidemiol** 1986 Sep;15(3):379–85
[Quarantine of male prisoners in Birkenau] Strzelecka I. **Przegl Lek** 1987;44(1):102–16 **(Pol)**

QUARTZ see under **SILICA**

QUERCETIN see under **FLAVONES**

QUESTIONNAIRES

Validity of clinical symptoms in benign esophageal disease, assessed by questionnaire. Andersen LI, et al. **Acta Med Scand** 1987;221(2):171–7
Screening for alcohol abuse using the CAGE questionnaire. Bush B, et al. **Am J Med** 1987 Feb;82(2):231–5
Questionnaire development: 5. The pretest. Del Greco L, et al. **Can Med Assoc J** 1987 May 15;136(10):1025–6
Questionnaire development: 3. Translation. Del Greco L, et al. **Can Med Assoc J** 1987 Apr 15;136(8):817–8
Questionnaire development: 1. Formulation. Del Greco L, et al. **Can Med Assoc J** 1987 Mar 15;136(6):583–5
Questionnaire development: 2. Validity and reliability. Del Greco L, et al. **Can Med Assoc J** 1987 Apr 1;136(7):699–700
Questionnaire development: 4. Preparation for analysis. Walop W, et al. **Can Med Assoc J** 1987 May 1;136(9):927–8
The Dental Attitudes Questionnaire: comparing two response formats. Hoogstraten J, et al. **Community Dent Oral Epidemiol** 1987 Feb;15(1):10–3
Postal surveys of general practitioners [letter] Bennett J. **Community Med** 1987 Feb;9(1):96–7
Studying medical opinion: a comparison of telephone interviews and postal questionnaires to general practitioners. Pendleton D, et al. **Community Med** 1987

Feb;9(1):25–34
Assessment of physical activity by questionnaire and personal interview with particular reference to fitness and coronary mortality. Mundal R, et al. **Eur J Appl Physiol** 1987; 56(3):245–52
Questionnaire instructions—does anybody read them? Solberg LI, et al. **Fam Med** 1986 Mar–Apr;18(2):78–80
Construction and validation of a questionnaire to measure the health beliefs of general practice patients. Cockburn J, et al. **Fam Pract** 1987 Jun;4(2):108–16
Multipurpose Senior Service Program Deinstitutionalization Screen. Morrow–Howell N, et al. **Health Soc Work** 1987 Summer;12(3):197–204
Comparison of responses to two standardized respiratory questionnaires. Nakadate T. **Ind Health** 1986;24(3):117–27
Age differences in adults' self–reports of memory ability: it depends on how and what you ask. Cavanaugh JC. **Int J Aging Hum Dev** 1986–87;24(4):271–7
On measuring repeatability of data from self–administered questionnaires. Chinn S, et al. **Int J Epidemiol** 1987 Mar; 16(1):121–7
Guidelines for writing multiple–choice questions in radiology courses. Vydareny KH, et al. **Invest Radiol** 1986 Nov; 21(11):871–6
Measuring change over time: assessing the usefulness of evaluative instruments. Guyatt G, et al. **J Chronic Dis** 1987; 40(2):171–8
Assessment of function in routine clinical practice: description of the COOP Chart method and preliminary findings. Nelson E, et al. **J Chronic Dis** 1987;40 Suppl 1:55S–69S
Development of a functional assessment questionnaire for geriatric patients: the Comprehensive Older Persons' Evaluation (COPE). Pearlman RA. **J Chronic Dis** 1987;40 Suppl 1:85S–98S
Who responds to postal questionnaires? Cartwright A. **J Epidemiol Community Health** 1986 Sep;40(3):267–73
The Functional Status Questionnaire: reliability and validity when used in primary care [published erratum appears in J Gen Intern Med 1986 Nov–Dec;1(6):427] Jette AM, et al. **J Gen Intern Med** 1986 May–Jun;1(3):143–9
Questionnaire, walking time and button test measures of functional capacity as predictive markers for mortality in rheumatoid arthritis. Pincus T, et al. **J Rheumatol** 1987 Apr;14(2):240–51
Readability assessment of questionnaires frequently used in sex and marital therapy. Jensen BJ, et al. **J Sex Marital Ther** 1987 Summer;13(2):137–41
Neuropathy Symptom Profile in health, motor neuron disease, diabetic neuropathy, and amyloidosis. Dyck PJ, et al. **Neurology** 1986 Oct;36(10):1300–8
Development of the Scale of Humanistic Nursing Behaviors. Fenton MV. **Nurs Res** 1987 Mar–Apr;36(2):82–7
Parsimony and model confirmation of the ADL Self–Care Scale for multiple sclerosis persons. Gulick EE. **Nurs Res** 1987 Sep–Oct;36(5):278–83
Psychometric construction and validity of the Pilowsky Illness Behaviour Questionnaire in British patients with chronic low back pain. Main CJ, et al. **Pain** 1987 Jan; 28(1):13–25
The Varni/Thompson Pediatric Pain Questionnaire. I. Chronic musculoskeletal pain in juvenile rheumatoid arthritis. Varni JW, et al. **Pain** 1987 Jan;28(1):27–38
The questionnaire—as a method for examining endocrine morbidity genealogy with children. Gorchakov LG, et al. **Sante Publique (Bucur)** 1987 Jan–Mar;30(1):31–4
Answering autobiographical questions: the impact of memory and inference on surveys. Bradburn NM, et al. **Science** 1987 Apr 10;236(4798):157–61
Some experiments with factors that might affect the response of mothers to a postal questionnaire. Cartwright A. **Stat Med** 1986 Nov–Dec;5(6):607–17
[Construction of questionnaires for the study of psychological components in the etiology of somatic diseases. The example of prematurity] Mamelle N, et al. **Acta Psychiatr Belg** 1986 Sep–Oct;86(5):594–9 (Eng. Abstr.) **(Fre)**
[Rewards in questionnaire studies] Finsen V. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):3007–8 (Eng. Abstr.) **(Nor)**

QUEUING THEORY see **SYSTEMS THEORY**

QUINACRINE

ADMINISTRATION & DOSAGE

Combined metronidazole and quinacrine hydrochloride therapy for chronic giardiasis. Taylor GD, et al. **Can Med Assoc J** 1987 Jun 1;136(11):1179–80
[Pneumothorax and cystic fibrosis. Intrapleural instillation of Quinacrine in 2 cases of recurrent pneumothorax (letter)] Melon V, et al. **Arch Fr Pediatr** 1987 Feb;44(2):145–6 **(Fre)**

ADVERSE EFFECTS

Quinacrine–induced toxic psychosis in a child [letter] James JJ, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):427

METABOLISM

Specific interactions between quinacrine and self–complementary deoxydinucleotides. Doglia S, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1363–8

PHARMACODYNAMICS

Clinico–pathological study of fallopian tubes after transcervical insertion of quinacrine hydrochloride pellets. Merchant RN, et al. **Adv Contracept** 1986 Mar;2(1):79–90
Effects of mepacrine and p–bromophenacyl bromide on anti–IgE and phospholipase A2–induced histamine release from human basophils. Toll JB, et al. **Agents Actions** 1986 Aug;18(5–6):518–23
Inhibition and activation of Na+–Ca2+ exchange activity by quinacrine. de la Peña P, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 1):C24–9
Competitive inhibition of dehydrogenases and kinases by 9–aminoacridine and quinacrine. Orellano EG, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2565–6
Inhibition of neutrophil response by mepacrine. Panus PC, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1281–4
Effects of inhibitors of arachidonic acid metabolism on intercellular adhesion of SV40–3T3 cells. Evans PM, et al. **Cell Biol Int Rep** 1986 Sep;10(9):693–8
Quinacrine–induced changes in mitotic PtK1 spindle microtubule organization. Armstrong L, et al. **Cell Motil Cytoskeleton** 1987;7(1):10–9
Membrane electrical properties of vesicular Na–Ca exchange inhibitors in single atrial myocytes. Bielefeld DR, et al. **Circ Res** 1986 Oct;59(4):381–9
Prolactin actions on casein and lipid biosynthesis in mouse and rabbit mammary gland explants are abolished by p–bromphenacyl bromide and quinacrine, phospholipase A2 inhibitors. Rillema JA, et al. **Horm Metab Res** 1986 Oct;18(10):672–4
A phospholipase inhibitor modifies the pulmonary damage associated with peritonitis in rabbits. Tighe D, et al. **Intensive Care Med** 1987;13(4):284–90
Inhibition of ischemia–induced phospholipase activation by quinacrine protects jeopardized myocardium in rats with coronary artery occlusion. Chiariello M, et al. **J Pharmacol Exp Ther** 1987 May;241(2):560–8
Mepacrine, a phospholipase inhibitor [letter] Seguin J, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):312–4
The in vitro pharmacology of chloroquine and quinacrine. Lot TY. **Med Biol** 1986;64(4):207–13
Inhibition of complement–mediated hepatic thromboxane production by mepacrine, a phospholipase inhibitor. Flynn JT. **Prostaglandins** 1987 Feb;33(2):287–99
[Effect of copper ions on the photochemical activity of quinacrine and its interaction with DNA] Blagoĭ IuP, et al. **Biofizika** 1987 May–Jun;32(3):383–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cancer in mice: effects of prednisolone or mepacrine alone and with cytotoxic drugs. Bennett A, et al. **Br J Cancer** 1987 Apr;55(4):385–8
[Effect of Collagenan on joint disease associated with collagenous colitis (letter)] Maroy B. **Presse Med** 1986 Nov 8;15(39):1974 **(Fre)**

QUINACRINE MUSTARD see under **QUINACRINE**

QUINALBARBITONE see **SECOBARBITAL**

QUINALDINES see under **QUINOLINES**

QUINAZOLINES

ADMINISTRATION & DOSAGE

Survival in severe left ventricular failure treated with the new nonglycosidic, nonsympathomimetic oral inotropic agents. Simonton CA, et al. **Chest** 1987 Jul;92(1):118–23
Effect of egg yolk lecithin on transdermal delivery of bunazosin hydrochloride. Kato A, et al. **J Pharm Pharmacol** 1987 May;39(5):399–400

ADVERSE EFFECTS

Pediatric phase I trial and pharmacokinetic study of trimetrexate. Balis FM, et al. **Cancer Res** 1987 Sep 15; 47(18):4973–6
Dermatitis from quinazoline oxide. Rebandel P, et al. **Contact Dermatitis** 1986 Aug;15(2):63–5
[Two cases of photosensitive drug eruption induced by afloqualone] Kamide R, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1253–7 **(Jpn)**

ANALYSIS

Determination of 7–piperidino–1,2,3,5–tetrahydroimidazo[2,1–b]quinazolin–2–one (DN–9693) in human plasma and urine by high–performance liquid chromatography with electrochemical detection: application to studies on disposition of DN–9693 in healthy human volunteers. Tanaka M, et al. **J Pharm Sci** 1987 Mar;76(3):235–7

BLOOD

Determination of anagrelide in plasma by capillary gas chromatography–mass spectrometry. Kerns EH, et al. **J Chromatogr** 1987 May 15;416(2):357–64
Determination of plasma trimetrexate levels using gas chromatography–mass spectrometry with selected–ion monitoring. Stetson PL, et al. **J Chromatogr** 1986 Nov 28; 383(1):69–76

CHEMICAL SYNTHESIS

Polycyclic N–hetero compounds. XXIII. Synthesis and antidepressive activity of 4–substituted 5,6–dihydrobenzo[h]quinazolines. Hirota T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):3011–4
Inhibitors of cyclic AMP phosphodiesterase. 1. Analogues of cilostamide and anagrelide. Jones GH, et al. **J Med Chem** 1987 Feb;30(2):295–303
3–(1H–tetrazol–5–yl)–4(3H)–quinazolinone sodium salt (MDL 427): a new antiallergic agent. Peet NP, et al. **J Med Chem** 1986 Nov;29(11):2403–9
N–(heterocyclic alkyl)pyrido[2,1–b]quinazoline–8–carboxamides as orally active antiallergy agents. Tilley JW, et al. **J Med Chem** 1987 Jan;30(1):185–93
[Quinazolinones. 5. Synthesis of 3–(chloroacylamino)–methyl–4(3H)–quinazolinone derivatives with anticonvulsant and hypnotic activities] Büyüktimkin S. **Arch Pharm (Weinheim)** 1986 Oct; 319(10):933–9 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Computerized evaluation of Valsalva's Maneuver before and during alpha–adrenoceptor blockade with alfuzosin. McAloney R, et al. **J Pharmacol Methods** 1987 Sep; 18(2):163–77

METABOLISM

Influence of hypoxia on the metabolism and biliary excretion of trimetrexate by the isolated perfused rat liver. Webster LK, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4587–9
Pharmacokinetics of trimetrexate administered by five–day continuous infusion to patients with advanced cancer. Reece PA, et al. **Cancer Res** 1987 Jun 1;47(11):2996–9
Clinical pharmacology of trimetrexate. Ho DH, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):351–6
Pharmacokinetics of single and multiple ascending doses of the antiallergic agent tiacrilast in man. Massarella JW, et al. **Int J Clin Pharmacol Res** 1987;7(2):121–7
[Autoradiographic studies on the distribution of [14C]changrolin in mice] Chen WZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):54–5 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Effects of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b] quinazoline–2–carboxylic acid on immediate allergic reactions. Koda A, et al. **Arzneimittelforschung** 1986 Nov;36(11):1609–18
Effects of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b] quinazoline–2–carboxylic acid on type I allergic reactions. Kohno SW, et al. **Arzneimittelforschung** 1986 Nov;36(11):1619–27
Effects of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b] quinazoline–2–carboxylic acid on bronchial and cutaneous allergic responses to ascaris in dogs. Misawa M, et al. **Arzneimittelforschung** 1986 Nov; 36(11):1647–50
Acute effects of bunazosin on aortic, vertebral, coronary and renal blood flows of anesthetized dogs. Sakanashi M, et al. **Arzneimittelforschung** 1986 Aug;36(8):1202–5
Effect of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b]quinazoline–2–carboxylic acid on inflammatory reactions and platelet aggregation. Tsurumi K, et al. **Arzneimittelforschung** 1986 Nov; 36(11):1637–41
Immunopharmacological actions of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b]quinazoline–2–carboxylic acid. Effects on type I hypersensitivity reactions in human leukocytes and in human and monkey lungs. Yanagihara Y, et al. **Arzneimittelforschung** 1986 Nov;36(11):1627–31
Immunopharmacological actions of the new antiallergic drug 11–oxo–11H–pyrido[2,1–b]quinazoline–2–carboxylic acid. Effects on immunological reactions in mice and in humans. Yanagihara Y, et al. **Arzneimittelforschung** 1986 Nov; 36(11):1632–7
Study of drug interaction between the new antiallergic drug 11–oxo–11H–pyrido[2,1–b]quinazoline–2–carboxylic acid and theophylline. Yasuda K, et al. **Arzneimittelforschung** 1986 Nov;36(11):1642–6
Inhibition of lymphocyte nucleic acid metabolism and antibody production by trimetrexate. Branda RF, et al. **Biochem Pharmacol** 1987 May 15;36(10):1605–12
Phase I and clinical pharmacology study of trimetrexate administered weekly for three weeks. Fanucchi MP, et al. **Cancer Res** 1987 Jun 15;47(12):3303–8
Acute systemic and regional hemodynamic effects of alpha 1–adrenoceptor blockade in conscious spontaneously hypertensive rats. Nakai M, et al. **Clin Exp Hypertens [A]** 1986;8(6):981–96
Further evaluation of the selectivity of a novel antihypertensive agent, SGB–1534, for peripheral alpha 1–adrenoceptors in the spinally anesthetized dog. Imagawa J, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):257–64

Inhibition of Ca2+ inward current in rabbit sinoatrial node by bunazosin, an alpha-adrenoceptor antagonist. Kotake H, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):113-7

A comparison of the effects of doxazosin and alfuzosin with those of urapidil on preganglionic sympathetic nerve activity in anaesthetised cats. Ramage AG. **Eur J Pharmacol** 1986 Oct 7;129(3):307-14

Effects of bunazosin on electrical responses of smooth muscle cells of the guinea-pig mesenteric artery and vein to perivascular nerve stimulation and to noradrenaline. Suzuki H, et al. **Gen Pharmacol** 1987;18(2):171-7

Assessment of left ventricular end-systolic pressure-volume relations with an impedance catheter and transient inferior vena cava occlusion: use of this system in the evaluation of the cardiotonic effects of dobutamine, milrinone, Posicor and epinephrine. McKay RG, et al. **J Am Coll Cardiol** 1986 Nov;8(5):1152-60

SQ 27,786 and SQ 28,853: two angiotensin converting enzyme inhibitors with potent diuretic activity. DeForrest JM, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):154-9

Coronary vasodilator versus cardiac effects of MCI-176, a novel quinazolinone calcium antagonist, in the dog heart. Hosono M, et al. **J Cardiovasc Pharmacol** 1987 Jun; 9(6):633-40

Bombesin and phorbol ester stimulate phosphatidylcholine hydrolysis by phospholipase C: evidence for a role of protein kinase C. Muir JG, et al. **J Cell Physiol** 1987 Mar; 130(3):382-91

Activity of antifolates against Pneumocystis carinii dihydrofolate reductase and identification of a potent new agent. Allegra CJ, et al. **J Exp Med** 1987 Mar 1; 165(3):926-31

2,4-Diamino-6,7-dimethoxyquinazolines. 2. 2-(4-Carbamoylpiperidino) derivatives as alpha 1-adrenoceptor antagonists and antihypertensive agents. Alabaster VA, et al. **J Med Chem** 1987 Jun;30(6):999-1003

Synthesis and cardiotonic activity of a series of substituted 4-alkyl-2(1H)-quinazolinones. Bandurco VT, et al. **J Med Chem** 1987 Aug;30(8):1421-6

Inhibitors of cyclic AMP phosphodiesterase. 1. Analogues of cilostamide and anagrelide. Jones GH, et al. **J Med Chem** 1987 Feb;30(2):295-303

Effect of imidazoquinazolinones on tumor cells in the circulation. Ambrus JL, et al. **J Med Clin Exp Theor** 1986; 17(3-4):219-25

Actions of the alpha-1 adrenoceptor blocker bunazosin on the norepinephrine-induced contraction of smooth muscles in the rabbit proximal urethra. Kimoto Y, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1017-22

Inotropic and chronotropic activity of a new cardiotonic agent, DM 9278 (1,2,3,4,8,9,10,12-octahydro[2,1-b]pyrido[2,3-f]quinazolin-9-one), on isolated dog atrial and ventricular muscles. Chiba S, et al. **Jpn Heart J** 1986 May;27(3):387-94

Effects of a new antihypertensive agent, SGB-1534, on rat platelet aggregation. Aono J, et al. **Jpn J Pharmacol** 1986 Dec;42(4):493-500

Comparison of cardiovascular effects of SGB-1534 and prazosin, selective alpha 1-adrenoceptor antagonists, in anesthetized dogs. Imagawa J, et al. **Jpn J Pharmacol** 1987 May;44(1):35-41

Effect of MCI-176, a new calcium antagonist, on the calcium induced contraction of isolated porcine coronary arteries. Ishibashi A, et al. **Jpn J Pharmacol** 1987 Feb;43(2):234-6

Pharmacological studies of 2-(3-(3-(1-piperidinylmethyl)-phenoxy)propylamino)-4 (3H)-quinazolinone (NO-794), a new histamine H2-receptor antagonist. Oshita M, et al. **Jpn J Pharmacol** 1986 Oct;42(2):229-35

Coronary dilator effect of MCI-176, a new calcium channel blocker, in dogs. Horii D, et al. **Tohoku J Exp Med** 1986 Sep;150(1):101-2

[Action of nitroquine on tissue schizonts of Plasmodium cynomolgi] Hu YM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):78-81 (Eng. Abstr.) **(Chi)**

[Effects of oral bunazosin hydrochloride on hemodynamic and metabolic responses to exercise (ergometer, 25W, 5 min) in patients with severe congestive heart failure] Morimoto Y, et al. **Kokyu To Junkan** 1987 Feb;35(2):185-9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Chemotherapy of field cases of East Coast fever using halofuginone lactate. Mbwambo HA, et al. **Acta Trop (Basel)** 1986 Dec;43(4):401-6

Effects of 5,8-dideazaisopteroylglutamate (IAHQ) on L1210 leukemia in mice when given alone and in combination with methotrexate, probenecid, or verapamil. Hynes JB, et al. **Cancer Chemother Pharmacol** 1986;18(3):231-4

Phase I studies with trimetrexate: clinical pharmacology, analytical methodology, and pharmacokinetics. Lin JT, et al. **Cancer Res** 1987 Jan 15;47(2):609-16

Phase II study of a novel antifolate, N10-propargyl-5,8 dideazafolic acid (CB3717), in malignant mesothelioma. Cantwell BM, et al. **Cancer Treat Rep** 1986 Nov; 70(11):1335-6

Proquazone: a treatment for lymphocytic infiltration of the skin. Comparative study with 2 other nonsteroid anti-inflammatory drugs. Johansson EA. **Dermatologica** 1987;174(3):117-21

Proquazone. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in rheumatic diseases and pain states. Clissold SP, et al. **Drugs** 1987 May;33(5):478-502 (94 ref.)

Successful treatment of oligospermic and azoospermic men with alpha 1-blocker and beta-stimulator: new treatment for idiopathic male infertility. Yamamoto M, et al. **Fertil Steril** 1986 Dec;46(6):1162-4

RF 46-790 versus paracetamol: effect on post-operative pain. Haanaes HR, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov;24(11):598-601

Potent in vitro and in vivo antitoxoplasma activity of the lipid-soluble antifolate trimetrexate. Allegra CJ, et al. **J Clin Invest** 1987 Feb;79(2):478-82

Effects of bunazosin and propranolol on ventricular arrhythmias in dogs with hypokalemia. Takamura T, et al. **J Electrocardiol** 1987 Apr;20(2):147-53

Induction of remission in hepatocellular carcinoma with a new thymidylate synthase inhibitor, CB3717. A phase II study. Bassendine MF, et al. **J Hepatol** 1987 Jun;4(3):349-56

Potent effect of trimetrexate, a lipid-soluble antifolate, on Toxoplasma gondii. Kovacs JA, et al. **J Infect Dis** 1987 May;155(5):1027-32

Synthesis of 5-chloro-5,8-dideaza analogues of folic acid and aminopterin targeted for colon adenocarcinoma. Hynes JB, et al. **J Med Chem** 1987 Aug;30(8):1515-9

Serum vitamin B12 levels in patients with primary hepatocellular carcinoma during treatment with CB3717. Buamah PK, et al. **J Surg Oncol** 1987 Feb;34(2):100-3

Anticoccidial efficacy of halofuginone in turkeys reared to market weight. McDougald LR, et al. **Poult Sci** 1986 Sep; 65(9):1664-70

Bovine theileriosis in Burundi: chemotherapy with halofuginone lactate. Kiltz HH, et al. **Trop Anim Health Prod** 1986 Aug;18(3):139-45

Clinical trial of halofuginone lactate for the treatment of East Coast fever in Kenya. Chema S, et al. **Vet Rec** 1987 Jun 13;120(24):575-7

[Comparison of the anti-allergic and anti-asthmatic effects of SM 857 (Doqualast) and DNCG] Wiessmann KJ, et al. **Prax Klin Pneumol** 1987 Feb;41(2):45-8 (Eng. Abstr.) **(Ger)**

[Protective effect of Sm 857 (Doqualast) in allergic bronchial asthma] Wiessmann KJ, et al. **Prax Klin Pneumol** 1986 Nov; 40(11):442-7 (Eng. Abstr.) **(Ger)**

TOXICITY

[Esters of 3-(2-hydroxyethyl)-4(3H)-quinazolinone with an analgesic effect] Fišnerová L, et al. **Cesk Farm** 1986 Dec; 35(10):447-50 (Eng. Abstr.) **(Cze)**

QUINCKE'S EDEMA see **ANGIONEUROTIC EDEMA**

QUINESTROL see under **NORPREGNATRIENES**

QUINIDINE

Optical properties of complexes of antimalarial drugs with ferriprotoporphyrin IX in aqueous medium. II. The system ferriprotoporphyrin IX-quinidine. Blauer G. **Arch Biochem Biophys** 1986 Nov 15;251(1):315-22

ADMINISTRATION & DOSAGE

Amiodarone versus amiodarone and a type IA agent for treatment of patients with rapid ventricular tachycardia. Marchlinski FE, et al. **Circulation** 1986 Nov;74(5):1037-43

Modification of the frequency- and voltage-dependent effects of quinidine when administered in combination with tocainide in canine Purkinje fibers. Valois M, et al. **Circulation** 1987 Aug;76(2):427-41

[Combined amiodarone and quinidine treatment in refractory tachyarrhythmias; clinical observation and experimental electrophysiologic study] Tao GS, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):335-7, 380-1 (Eng. Abstr.) **(Chi)**

[Echocardiographic study of left ventricular function during treatment with oral quinidine] Guadagni C, et al. **Minerva Cardioangiol** 1987 Jan-Feb;35(1-2):83-5 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Quinidine-induced reactive lymphadenopathy. Gay RG, et al. **Am J Med** 1987 Jan;82(1):143-5

Orthostatic hypotension due to quinidine and propranolol [letter] Kinney EL. **Am J Med** 1987 Jun;82(6):1276-7

Orthostatic hypotension due to quinidine and propranolol [published erratum appears in Am J Med 1987 Apr;82(4):870] Loon NR, et al. **Am J Med** 1986 Dec; 81(6):1101-4

Quinidine-induced reactive lymphadenopathy [letter] McGrath H Jr. **Am J Med** 1987 Aug;83(2):369

Orthostatic hypotension due to quinidine and atenolol [letter] Manolis AS, et al. **Am J Med** 1987 May;82(5):1083-4

Quinidine-induced hepatitis [letter] Zatuchni J. **Arch Intern Med** 1986 Oct;146(10):2077, 2081

Sparteine oxidation is practically abolished in quinidine-treated patients. Brinn R, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):194-7

Quinidine-induced lichenoid and eczematous photodermatitis. Wolf R, et al. **Dermatologica** 1987; 174(6):285-9

Quinidine syncope in children. Webb CL, et al. **J Am Coll Cardiol** 1987 May;9(5):1031-7

Binding of quinine- and quinidine-dependent drug antibodies to platelets is mediated by the Fab domain of the immunoglobulin G and is not Fc dependent. Smith ME, et al. **J Clin Invest** 1987 Mar;79(3):912-7

Fetal supraventricular tachycardia treated with high-dose quinidine: toxicity associated with marked elevation of the metabolite, 3(S)-3-hydroxyquinidine. Killeen AA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):445-9

Skeletal muscle weakness resulting from quinidine ingestion. Hall CD, et al. **South Med J** 1987 Mar;80(3):403-4

[Three cases of torsades de pointes due to anti-arrhythmic agents] Yasuda M, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1262-6 **(Jpn)**

ANALOGS & DERIVATIVES

Total and unbound concentrations of quinidine and 3-hydroxyquinidine at steady state. Wooding-Scott RA, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):302-6

Pharmacodynamics of 3-hydroxyquinidine alone and in combination with quinidine in healthy persons. Vozeh S, et al. **Am J Cardiol** 1987 Mar 1;59(6):681-4

Kinetics and dynamics of quinidine-N-oxide in healthy subjects. Ha HR, et al. **Clin Pharmacol Ther** 1987 Sep; 42(3):341-5

Pharmacokinetics of hydroxy-3(S)-dihydroquinidine in healthy volunteers after intravenous and oral administration. Jaillon P, et al. **Eur J Drug Metab Pharmacokinet** 1986 Jul-Sep;11(3):233-8

Continuous-infusion quinidine gluconate for treating children with severe Plasmodium falciparum malaria. Rudnitsky G, et al. **J Infect Dis** 1987 May;155(5):1040-3

Comparative in vitro electrophysiology of quinidine, its major metabolites and dihydroquinidine. Thompson KA, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):84-90

Fetal supraventricular tachycardia treated with high-dose quinidine: toxicity associated with marked elevation of the metabolite, 3(S)-3-hydroxyquinidine. Killeen AA, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):445-9

[Pharmacokinetics and efficacy of delayed-action hydroquinidine in patients with ventricular extrasystole] Victor J, et al. **Ann Cardiol Angeiol (Paris)** 1987 Mar; 36(3):163-6 (Eng. Abstr.) **(Fre)**

[In vitro and in vivo photochemical reactivity of quinine- and quinidine-N-oxide] Pöhlmann H, et al. **Pharmazie** 1986 Dec;41(12):859-62 (Eng. Abstr.) **(Ger)**

ANALYSIS

Rapid drug haptenization procedure: application to gentamicin and quinidine. Regan CM. **J Pharm Pharmacol** 1986 Nov;38(11):834-6

Specific high performance liquid chromatographic determination of quinidine in serum, blood, and urine. MacKichan JJ, et al. **Ther Drug Monit** 1987;9(1):104-12

BLOOD

Total and unbound concentrations of quinidine and 3-hydroxyquinidine at steady state. Wooding-Scott RA, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):302-6

Altered therapeutic range for quinidine after myocardial infarction and cardiac surgery. Garfinkel D, et al. **Ann Intern Med** 1987 Jul;107(1):48-50

Comparison of high pressure liquid chromatography and fluorescence polarization immunoassay to assess quinidine pharmacokinetics. Bottorff MB, et al. **Biopharm Drug Dispos** 1987 May-Jun;8(3):213-21

Comparative quinidine plasma profiles at steady state of two controlled-release products and quinidine sulfate in solution. Wright GJ, et al. **Biopharm Drug Dispos** 1987 Mar-Apr;8(2):159-72

High-performance liquid chromatographic analysis of quinine and its diastereoisomer quinidine. Mihaly GW, et al. **J Chromatogr** 1987 Mar 20;415(1):177-82

Influence of plasma pH on quinidine uptake by erythrocytes: estimation of free drug fraction in plasma from blood/and erythrocyte/plasma concentration ratios. Ho Ngoc-Ta Trung A, et al. **Pharm Acta Helv** 1987;62(2):61-4

[Determination of quinidine in plasma and its pharmacokinetics by high pressure liquid chromatography] Wang YM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May; 7(3):236-9 (Eng. Abstr.) **(Chi)**

METABOLISM

Lack of effect of smoking on the metabolism and pharmacokinetics of quinidine in patients. Edwards DJ, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):351-4

Comparative bioavailability study of three sustained release quinidine formulations. Mahon WA, et al. **Clin Pharmacokinet** 1987 Aug;13(2):118-24

The effect of coadministration of verapamil on the pharmacokinetics and metabolism of quinidine. Edwards DJ, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):68-73

Stereoselective renal tubular secretion of quinidine and quinine. Notterman DA, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):511-7

Pharmacokinetics and metabolism of quinidine in extensive and poor metabolisers of sparteine. Mikus G, et al. **Eur J Clin Pharmacol** 1986;31(1):69-72

Role of acidic phospholipids in tissue distribution of quinidine in rats. Nishiura A, et al. **J Pharmacobiodyn** 1987 Mar;

10(3):134–41

A possible contribution of phospholipids in tissue distribution of quinidine in rats. Nishiura A, et al. **J Pharmacobiodyn** 1986 Oct;9(10):819–28

PHARMACODYNAMICS

Pharmacodynamics of 3-hydroxyquinidine alone and in combination with quinidine in healthy persons. Vozeh S, et al. **Am J Cardiol** 1987 Mar 1;59(6):681–4

Quinidine-induced inhibition of transient outward current in cardiac muscle. Imaizumi Y, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 2):H704–8

Quinidine effect on hydrosmotic response of collecting tubules to vasopressin and cAMP. Lorenzen M, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1103–11

Effects of quinidine, verapamil and nifedipine on the pharmacokinetics and pharmacodynamics of digitoxin during steady state conditions. Kuhlmann J. **Arzneimittelforschung** 1987 May;37(5):545–8

Quinidine and melittin both decrease the fluidity of liver plasma membranes and both inhibit hormone-stimulated adenylate cyclase activity. Needham L, et al. **Biochim Biophys Acta** 1987 May 12;899(1):44–50

Potassium conductance in straight proximal tubule cells of the mouse. Effect of barium, verapamil and quinidine. Völkl H, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):275–81

Quinidine: potent inhibition of sparteine and debrisoquine oxidation in vivo. Inaba T, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):199–200

Quinidine and the identification of drugs whose elimination is impaired in subjects classified as poor metabolizers of debrisoquine. Speirs CJ, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):739–43

Effects of quinidine sulfate on the balance among active and passive cellular properties that comprise the electrophysiologic matrix and determine excitability in sheep Purkinje fibers. Arnsdorf MF, et al. **Circ Res** 1987 Aug;61(2):244–55

Frequency- and orientation-dependent effects of mexiletine and quinidine on conduction in the intact dog heart. Bajaj AK, et al. **Circulation** 1987 May;75(5):1065–73

The hemodynamic effects of sotalol and quinidine: analysis by use of rest and exercise gated radionuclide angiography. Mahmarian JJ, et al. **Circulation** 1987 Aug;76(2):324–31

Effect of quinidine and tetrodotoxin on the activation of non-adrenergic nerves in guinea-pig trachealis muscle. Taylor SM, et al. **Comp Biochem Physiol [C]** 1987; 86(1):11–5

Quinidine reduces biliary clearance of digoxin in man. Angelin B, et al. **Eur J Clin Invest** 1987 Jun;17(3):262–5

The action of procainamide and quinidine on the alpha 1-receptor-operated channels in smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):233–9

Effects of quinidine on the electrical activity and contractile responses of the guinea-pig ureter smooth muscle. Burdyga TV, et al. **Gen Physiol Biophys** 1986 Oct;5(5):563–6

Effect of quinidine on myocardial enzyme activities following myocardial infarction in the cat. Dikshit M, et al. **Indian J Med Res** 1987 Jan;85:85–90

Effects of simultaneous administration of mexiletine and quinidine on the electrophysiologic parameters of canine Purkinje fibers. Burke GH, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1138–43

Cumulative effects of quinidine and aspirin on bleeding time and platelet alpha 2-adrenoceptors: potential mechanism of bleeding diathesis in patients receiving this combination. Lawson D, et al. **J Lab Clin Med** 1986 Dec;108(6):581–6

Effects of quinidine on plateau currents of guinea-pig ventricular myocytes. Hiraoka M, et al. **J Mol Cell Cardiol** 1986 Oct;18(10):1097–106

The effect of digoxin dosage on the digoxin-quinidine interaction in the bile duct-cannulated rat. Hewick DS, et al. **J Pharm Pharmacol** 1987 Jan;39(1):64–7

Effects of quinidine and cimetidine on methamphetamine stereotypy in rats. Suzuki T, et al. **J Pharmacobiodyn** 1987 Mar;10(3):152–5

Comparative in vitro electrophysiology of quinidine, its major metabolites and dihydroquinidine. Thompson KA, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):84–90

Increase in serum digoxin concentration produced by quinidine does not increase the potential for digoxin-induced ventricular arrhythmias in dogs. Wilkerson RD, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):548–53

Method for stable measurement of the electrocardiogram in isolated guinea pig heart. Evaluation of the RR–QT relationship and the effect of quinidine. Uematsu T, et al. **J Pharmacol Methods** 1987 Sep;18(2):179–85

Effects of quinidine and cimetidine on the methamphetamine level in the rat brain. Suzuki T, et al. **Jpn J Pharmacol** 1987 Jan;43(1):103–6

Compared efficacy of quinidine, amiodarone and diltiazem on both nomotopic and ectopic automaticity in the rat heart. Gonzalez-Sicilia L, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):19–22

Quinidine inhibition of the muscarine receptor-activated K+ channel current in atrial cells of guinea pig. Kurachi Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):216–8

Actions of quinidine and apamin on after-hyperpolarization of the spike in circular smooth muscle cells of the guinea-pig ileum. Nakao K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):508–13

Effects of antiarrhythmic drugs on the extraneuronal accumulation of isoprenaline in perfused rat hearts. Sono K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):145–8

Extensive metabolizers of debrisoquine become poor metabolizers during quinidine treatment. Brøsen K, et al. **Pharmacol Toxicol** 1987 Apr;60(4):312–4

[The electrophysiologic effect and anticholinergic action of quinidine sulfate on the atrioventricular node in the rabbit] Huan RM. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):294–6, 320 (Eng. Abstr.) **(Chi)**

[Method for differentiating in humans the direct effects of anti-arrhythmic drugs from those mediated by the autonomic nervous system. Effects of quinidine and propafenone] Paparella N, et al. **G Ital Cardiol** 1986 Sep; 16(9):762–9 (Eng. Abstr.) **(Ita)**

[Influence of quinidine administration on the concentration of digoxin in blood serum] Jachimowicz J, et al. **Kardiol Pol** 1987;30(1):25–8 (Eng. Abstr.) **(Pol)**

POISONING

Acute decompensation of cornea probably due to quinidine intoxication [letter] Meyer E, et al. **J Toxicol Clin Toxicol** 1986–87;24(6):555–7

THERAPEUTIC USE

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine. Klein RC, et al. **Am Heart J** 1987 Sep;114(3):551–8

Beta blockers in combination with class I antiarrhythmic agents. Deedwania PC, et al. **Am J Cardiol** 1987 Aug 31; 60(6):21D–26D

Indecainide compared with quinidine for chronic stable ventricular arrhythmias secondary to coronary artery disease or to cardiomyopathy. Giardina EG, et al. **Am J Cardiol** 1987 Sep 1;60(7):584–9

The clinical usefulness of the antiarrhythmic drug quinidine. Cosín-Aguilar J, et al. **Eur Heart J** 1987 Mar;8 Suppl A:1–9 (48 ref.)

Effects of intravenous disopyramide and quinidine on normal myocardium and on the characteristics of arrhythmias: intraindividual comparison in patients with sustained ventricular tachycardia. Rizos I, et al. **Eur Heart J** 1987 Feb;8(2):154–63

Combination of tocainide and quinidine for better tolerance and additive effects in patients with coronary artery disease. Kim SG, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1369–74

Effects of N-acetylprocainamide on experimental atrial flutter and atrial electrophysiologic properties in conscious dogs with sterile pericarditis: comparison with the effects of quinidine. Okumura K, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1332–8

Procainamide, disopyramide and quinidine: discordant antiarrhythmic effects during crossover comparison in patients with inducible ventricular tachycardia. Wyse DG, et al. **J Am Coll Cardiol** 1987 Apr;9(4):882–9

Atrial fibrillation in a pregnant mare: treatment with quinidine sulfate. Bertone JJ, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1565–6

Comparison of sustained-release quinidines given twice daily to patients with ventricular ectopy. Lehmann CR, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):598–604

Treatment of severe nodulocystic acne [letter] Hebert AA, et al. **Pediatr Dermatol** 1986 Sep;3(4):349

[Prevention of atrial flutter with Chinidin retard] Karastanev I, et al. **Vutr Boles** 1986;25(3):99–103 (Eng. Abstr.) **(Bul)**

[Combined use of drug therapy and electrocardiostimulation in the treatment of a patient with paroxysmal ventricular tachycardia] Smetnev AS, et al. **Kardiologiia** 1987 Mar; 27(3):106–9 **(Rus)**

[Quinidine therapy of paroxysmal arrhythmias] Gracheva GV, et al. **Ter Arkh** 1986;58(11):122–4 **(Rus)**

QUININE

Optical properties of complexes of antimalarial drugs with ferriprotoporphyrin IX in aqueous medium. I. The system ferriprotoporphyrin IX-quinine. Blauer G. **Arch Biochem Biophys** 1986 Nov 15;251(1):306–14

Sapid savvy in sucklings: the effect of quinine hydrochloride on intraoral negative pressure and intake by 11–13-day-old rat pups. Pelchat ML, et al. **Dev Psychobiol** 1987 May; 20(3):261–75

Analyzing aversiveness of denatonium saccharide and quinine in rats. Davis SF, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1215–22

ADMINISTRATION & DOSAGE

The development of aversive responses to quinine in hyperthyroid rats. Shapiro EG, et al. **Behav Neural Biol** 1985 May;43(3):274–86

[In vitro action on Plasmodium falciparum of the serum of subjects having received 3 injectable forms of quinine by the intramuscular route (published erratum appears in Ann Pharm Fr 1986;44(4):325)] Haq A, et al. **Ann Pharm Fr** 1986;44(2):137–43 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Quinine toxicity. Bateman DN, et al. **Adverse Drug React Acute Poisoning Rev** 1986 Winter; 5(4):215–33 (109 ref.)

Quinine-induced thrombocytopenia complicating eyelid surgery. Case report. Shaw HE, et al. **Arch Ophthalmol** 1987 Sep;105(9):1176

Binding of quinine- and quinidine-dependent drug antibodies to platelets is mediated by the Fab domain of the immunoglobulin G and is not Fc dependent. Smith ME, et al. **J Clin Invest** 1987 Mar;79(3):912–7

Consumption of quinine hydrochloride in tonic water [letter] Worden AN, et al. **Lancet** 1987 Jan 31;1(8527):271–2

[Stevens-Johnson syndrome in a patient treated with quinine and pyrimethamine-sulfadoxine (letter)] Gascón Brustenga J, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):821–2 **(Spa)**

ANALYSIS

Quinine directly determined in serum or urine by separation fluoroimmunoassay. Sidki AM, et al. **Clin Chem** 1987 Apr; 33(4):463–7

[In vitro and in vivo photochemical reactivity of quinine- and quinidine-N-oxide] Pöhlmann H, et al. **Pharmazie** 1986 Dec;41(12):859–62 (Eng. Abstr.) **(Ger)**

BLOOD

Effects of cimetidine and ranitidine on the pharmacokinetics of quinine. Wanwimolruk S, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):346–50

High-performance liquid chromatographic analysis of quinine and its diastereoisomer quinidine. Mihaly GW, et al. **J Chromatogr** 1987 Mar 20;415(1):177–82

METABOLISM

Stereoselective renal tubular secretion of quinidine and quinine. Notterman DA, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):511–7

[The effect of ion pair formation on the pharmacokinetic properties of drugs. 1. The effect of alpha-methylpalmitic acid on the pharmacokinetics of quinine in rabbits] Neubert R, et al. **Pharmazie** 1987 Jan;42(1):29–30 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of chloroquine, mefloquine and quinine on natural killer cell activity in vitro. An analysis of the inhibitory mechanism. Pedersen BK, et al. **Allergy** 1986 Sep; 41(7):537–42

Quinine induced Escherichia coli DNA base-pair substitution mutation. Obaseiki-Ebor EE, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):422–5

Sensitivity to quinine and mefloquine of Plasmodium falciparum in Thailand. Suebsaeng L, et al. **Bull WHO** 1986;64(5):759–65

Influence of calcium lack and nifedipine on carbachol-, potassium- and quinine-induced contractions of the lizard isolated rectum. Savage AO, et al. **Comp Biochem Physiol [C]** 1986;85(2):341–3

Glucose homeostasis in rats treated acutely and chronically with quinine. Okitolonda W, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):179–85

Preliminary observations on development of quinine sulphate resistance in Plasmodium berghei. Kazim M, et al. **Indian J Malariol** 1986 Dec;23(2):133–7

Plasmodium falciparum RI resistance to quinine and sulphadoxine-pyrimethamine in the Solomon Islands [letter] Isaacs RD, et al. **Med J Aust** 1987 Apr 20; 146(8):449–50

Hedonic reactivity to sucrose in rats: modification by pimozide. Bailey CS, et al. **Physiol Behav** 1986 Oct; 38(4):447–52

In vitro susceptibility of Plasmodium falciparum to amodiaquine, mefloquine, quinine and chloroquine in Liberia, West Africa. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):761–2

In vitro effect of chloroquine, mefloquine and quinine on human lymphocyte proliferative responses to malaria antigens and other antigens/mitogens. Bygbjerg IC, et al. **Trop Med Parasitol** 1986 Sep;37(3):245–7

[Effect of quinine on the calcium currents of mollusk neurons] Solntseva EI. **Neirofiziologiia** 1987;19(3):413–7 (Eng. Abstr.) **(Rus)**

POISONING

Acute toxic blindness: unrecognized quinine poisoning. Smilkstein MJ, et al. **Ann Emerg Med** 1987 Jan;16(1):98–101

Quinine poisoning in children. Grattan-Smith TM, et al. **Med J Aust** 1987 Jul 20;147(2):93–5

THERAPEUTIC USE

A quinine a day keeps the leg cramps away? Warburton A, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):459–65

Quinine for "night cramps" **Med Lett Drugs Ther** 1986 Nov 7;28(726):110

[Strains of the causative agent of visceral leishmaniasis from southeastern Turkmenistan and the results of their trial with golden hamsters] Lesnikova EV, et al. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):51–4 (Eng. Abstr.) **(Rus)**

[Malaria in pregnant women—native inhabitants of the Congo—and its treatment using quinimax and fansidar] Splavskii OI. **Med Parazitol (Mosk)** 1986 Sep-Oct;(5):49–51 (Eng. Abstr.) **(Rus)**

QUINOLINES

Measurement of protein using flow injection analysis with bicinchoninic acid. Davis LC, et al. **Anal Biochem** 1987 Feb 15;161(1):152–6

Effect of zwitterionic buffers on measurement of small masses of protein with bicinchoninic acid. Kaushal V, et al. **Anal Biochem** 1986 Sep;157(2):291–4

Interference by lipids in the determination of protein using bicinchoninic acid. Kessler RJ, et al. **Anal Biochem** 1986 Nov 15;159(1):138–42

The methoxatin semiquinone: a pulse radiolysis study. Faraggi M, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):955–60

Localization of cyanine dye binding to brush-border membranes by quenching of n-(9-anthroyloxy) fatty acid probes. Cabrini G, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):285–93

Interaction of the voltage-sensing fluorescent probe diS-C3-(5) with dipalmitoylphosphatidylcholine liposomes. Ivkova MN, et al. **Gen Physiol Biophys** 1987 Feb;6(1):45–55

Ciprofloxacin: quinolones in practice. Madrid, 30–31 May, 1986. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:1–197

Inhibition of melanization in human melanoma cells by a serotonin uptake inhibitor. McEwan M, et al. **J Invest Dermatol** 1987 Jul;89(1):82–6

Ionic dependence of membrane potential and glutamate receptor-linked responses in synaptoneurosomes as measured with a cyanine dye, DiS-C2-(5). Akerman KE, et al. **J Neurochem** 1987 Feb;48(2):552–9

A quinoline fluorescence method for visualizing and assaying the histochemically reactive zinc (bouton zinc) in the brain. Frederickson CJ, et al. **J Neurosci Methods** 1987 Jun; 20(2):91–103

[New antibacterial antibiotics and chemotherapeutic agents] Krčméry V, et al. **Vnitr Lek** 1986 Aug;32(8):806–13 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Effects of nedocromil sodium and placebo delivered by pressurised aerosol in bronchial antigen challenge. Svendsen UG, et al. **Allergy** 1986 Aug;41(6):468–70

[Clinical observations on 24 silicotic patients treated with piperaquine phosphate for 10 years] Li QL, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):350–1, 382–3 (Eng. Abstr.) **(Chi)**

ANALYSIS

Detection of the cofactor pyrroloquinoline quinone. van Kleef MA, et al. **Anal Biochem** 1987 Apr;162(1):143–9

Nitrile hydratase is a quinoprotein. A possible new function of pyrroloquinoline quinone: activation of H2O in an enzymatic hydration reaction. Nagasawa T, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):701–9

Presence of tetrahydroisoquinoline and 2-methyl-tetrahydroquinoline in parkinsonian and normal human brains. Niwa T, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):1084–9

Fluorometric detection of 2-amino-3-methylimidazo[4,5-f]quinoline, 2-amino-3,4-dimethylimidazo[4,5-f]quinoline and their N-acetylated metabolites excreted by the rat. Størmer FC, et al. **Carcinogenesis** 1987 Sep;8(9):1277–80

Phenylhydrazine as probe for cofactor identification in amine oxidoreductases. Evidence for PQQ as the cofactor in methylamine dehydrogenase. van der Meer RA, et al. **FEBS Lett** 1987 Sep 14;221(2):299–304

Characterization, purification, and analysis of solvent yellow 33 and solvent green 3 dyes. Blakemore WM, et al. **J Chromatogr** 1987 Mar 27;391(1):219–31

Enzyme-linked immunosorbent assay for LY163502, a potent dopamine agonist. Taber LD, et al. **J Pharm Sci** 1987 Jun; 76(6):492–5

Evidence for methoxatin (pyrroloquinolinequinone) as the cofactor in bovine plasma amine oxidase from resonance Raman spectroscopy. Moog RS, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8435–9

BIOSYNTHESIS

Cloning of the genes involved in synthesis of coenzyme pyrrolo-quinoline-quinone from Acinetobacter calcoaceticus. Goosen N, et al. **J Bacteriol** 1987 Jan; 169(1):303–7

BLOOD

The organic cofactor in plasma amine oxidase: evidence for pyrroloquinoline quinone and against pyridoxal phosphate. Knowles PF, et al. **Biochem J** 1987 Jan 15;241(2):603–8

Plasma and whole blood mefloquine concentrations during treatment of chloroquine-resistant falciparum malaria with the combination mefloquine-sulphadoxine-pyrimethamine. Karbwang J, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):477–81

Multiple-dose pharmacokinetics of the antimalarial drug Fansimef (pyrimethamine + sulfadoxine + mefloquine) in healthy subjects. Schwartz DE, et al. **Chemotherapy** 1987; 33(1):1–8

Absence of pharmacokinetic interaction between Fansidar and mefloquine [letter] Schwartz DE, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1001–2

CHEMICAL SYNTHESIS

Studies on 2(1H)-quinolinone derivatives as gastric antiulcer active agents. Synthesis and antiulcer activities of optically active alpha-amino acid derivatives of 2(1H)-quinolinone and oxindole. Uchida M, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):853–6

Studies on 2(1H)-quinolinone derivatives as gastric antiulcer active agents. Synthesis and antiulcer activity of the metabolites of 2-(4-chlorobenzoylamino)-3-[2(1H)-quinolinon-4-yl]propionic acid. Uchida M, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4821–4

p-Dimethoxy-substituted trans-octahydrobenzo[f]- and -[g]quinolines: synthesis and assessment of dopaminergic agonist effects. Cannon JG, et al. **J Med Chem** 1986 Dec; 29(12):2529–34

Synthesis and structure-activity relationship of 1-aryl-6,8-difluoroquinolone antibacterial agents. Chu DT, et al. **J Med Chem** 1987 Mar;30(3):504–9

Synthesis and aldose reductase inhibitory activity of substituted 2-oxoquinoline-1-acetic acid derivatives. DeRuiter J, et al. **J Med Chem** 1986 Oct;29(10):2024–8

Antiradiation compounds. 20. 1-Methylquinolinium(and pyridinium)-2-dithioacetic acid derivatives. Foye WO, et al. **J Med Chem** 1987 Jan;30(1):57–62

Alpha 2-adrenergic agonists/antagonists: the synthesis and structure-activity relationships of a series of indolin-2-yl and tetrahydroquinolin-2-yl imidazolines. Hlasta DJ, et al. **J Med Chem** 1987 Sep;30(9):1555–62

Inhibitors of cyclic AMP phosphodiesterase. 1. Analogues of cilostamide and anagrelide. Jones GH, et al. **J Med Chem** 1987 Feb;30(2):295–303

Cardiotonic agents. 1. Synthesis and structure-activity relationships in a new class of 3-, 4-, and 5-pyridyl-2(1H)-quinolone derivatives. Leclerc G, et al. **J Med Chem** 1986 Dec;29(12):2427–32

Cardiotonic agents. 2. Synthesis and structure-activity relationships in a new class of 6-, 7-, and 8-pyridyl-2(1H)-quinolone derivatives. Leclerc G, et al. **J Med Chem** 1986 Dec;29(12):2433–8

Dopamine autoreceptor agonists: resolution and pharmacological activity of 2,6-diaminotetrahydrobenzothiazole and an aminothiazole analogue of apomorphine. Schneider CS, et al. **J Med Chem** 1987 Mar;30(3):494–8

A new thienylpyrazoloquinoline: a potent and orally active inverse agonist to benzodiazepine receptors. Takada S, et al. **J Med Chem** 1987 Mar;30(3):454–5

Inhibitors of cyclic AMP phosphodiesterase. 2. Structural variations of N-cyclohexyl-N-methyl-4-[(1,2,3,5-tetrahydro-2-oxoimidazo[2,1-b]quinazolin-7-yl)-oxy]butyramide (RS-82856). Venuti MC, et al. **J Med Chem** 1987 Feb; 30(2):303–18

Pyrazolo[4,5-c]quinolines. 3. Synthesis, receptor binding, and 13C NMR study. Melani F, et al. **J Pharm Sci** 1986 Dec; 75(12):1175–9

Synthesis and preliminary pharmacological screening of 4-methylamino-2-phenylquinoline-3-carboxamides. Bała M, et al. **Pol J Pharmacol Pharm** 1986 Jan-Feb;38(1):115–24

Synthesis of new quinoline derivatives as antimicrobial agents. Zayed AH, et al. **Pol J Pharmacol Pharm** 1986 Jan-Feb;38(1):99–106

[Preparation and analgesic activity of tetrahydroquinolines and tetrahydroisoquinolines] Ferranti A, et al. **Farmaco [Sci]** 1987 Apr;42(4):237–49 (Eng. Abstr.) **(Ita)**

[Studies on antiallergy agent. I. Synthesis of 1,4-dihydro-4-oxo-3-quinolinecarboxylic acids] Ozeki K, et al. **Yakugaku Zasshi** 1987 Feb;107(2):123–34 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Cl-/HCO-3 antiporter in red cell ghosts: a kinetic assessment with fluorescent probes. London RD, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F844–55

Computer-assisted determination of protein concentrations from dye-binding and bicinchoninic acid protein assays performed in microtiter plates. Lane RD, et al. **J Immunol Methods** 1986 Sep 27;92(2):261–70

Receptor reserve at the alpha-2 adrenergic receptor in the rat cerebral cortex. Adler CH, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):508–15

A simple metachromatic and fluorescent staining method for microorganisms using carbocyanine dye. Umeda M. **Microbiol Immunol** 1987;31(2):113–21

IMMUNOLOGY

[Studies on the antigenicity of MY-5116] Hasegawa T, et al. **J Toxicol Sci** 1986 Nov;11(4):313–29 (Eng. Abstr.) **(Jpn)**

METABOLISM

Enzymology of quinoproteins. Duine JA, et al. **Adv Enzymol** 1987;59:169–212 (80 ref.)

Effects of MY-1250, a main active metabolite of MY-5116, a new anti-allergic agent, on the release of mediators from guinea pig lung fragments. Takahashi K, et al. **Arerugi** 1986 Sep;35(9):982–7

On the structure and linkage of the covalent cofactor of methylamine dehydrogenase from the methylotrophic bacterium W3A1. McIntire WS, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):562–8

The 9-carboxyl group of pyrroloquinoline quinone, a novel prosthetic group, is essential in the formation of holoenzyme of D-glucose dehydrogenase. Shinagawa E, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1279–84

Pea (Pisum sativum) diamine oxidase contains pyrroloquinoline quinone as a cofactor. Glatz Z, et al. **Biochem J** 1987 Mar 1;242(2):603–6

Covalently bound pyrroloquinoline quinone is the organic prosthetic group in human placental lysyl oxidase. van der Meer RA, et al. **Biochem J** 1986 Nov 1;239(3):789–91

The interaction of potential-sensitive molecular probes with dimyristoylphosphatidylcholine vesicles investigated by 31P-NMR and electron microscopy. Bammel BP, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):136–52

Studies of mefloquine bioavailability and kinetics using a stable isotope technique: a comparison of Thai patients with falciparum malaria and healthy caucasian volunteers. Looareesuwan S, et al. **Br J Clin Pharmacol** 1987 Jul; 24(1):37–42

Synthesis, purification and mutagenicity of 2-hydroxyamino-3-methylimidazolo[4,5-f]quinoline. Snyderwine EG, et al. **Carcinogenesis** 1987 Jul;8(7):1017–20

Prostaglandin H synthase-dependent mutagenic activation of heterocyclic aromatic amines of the IQ-type. Wild D, et al. **Carcinogenesis** 1987 Apr;8(4):541–5

Comparative pharmacokinetic parameters of new systemic fluoroquinolones: a review. Neuman M. **Chemioterapia** 1987 Apr;6(2):105–12 (64 ref.)

Single-dose investigation of possible interactions between the components of the antimalarial combination Fansimef. Weidekamm E, et al. **Chemotherapy** 1987;33(4):259–65

Absorption, distribution, metabolism, and excretion of 1,2-dihydro-2,2,4-trimethylquinoline in the male F344 rat. Ioannou YM, et al. **Drug Metab Dispos** 1987 May-Jun; 15(3):367–73

The pharmacokinetics of mefloquine when given alone or in combination with sulphadoxine and pyrimethamine in Thai male and female subjects. Karbwang J, et al. **Eur J Clin Pharmacol** 1987;32(2):173–7

Pyrroloquinoline quinone and molecules mimicking its functional domains. Modulators of connective tissue formation? Hanauske-Abel HM, et al. **FEBS Lett** 1987 Apr 20;214(2):236–43 (48 ref.)

Comparative pharmacokinetic parameters of new systemic fluoroquinolones. Neuman M. **Int J Clin Pharmacol Res** 1987;7(3):173–9 (73 ref.)

Reconstitution of pyrroloquinoline quinone-dependent D-glucose oxidase respiratory chain of Escherichia coli with cytochrome o oxidase. Matsushita K, et al. **J Bacteriol** 1987 Jan;169(1):205–9

Evidence for pyrroloquinolinequinone as the carbonyl cofactor in lysyl oxidase by absorption and resonance Raman spectroscopy. Williamson PR, et al. **J Biol Chem** 1986 Dec 15;261(35):16302–5

5-HT1 and 5-HT2 binding characteristics of some quipazine analogues. Glennon RA, et al. **J Med Chem** 1986 Nov; 29(11):2375–80

Metabolic conversion of IQ and MeIQ to bacterial mutagens. Alldrick AJ, et al. **Mutat Res** 1986 Nov;163(2):109–14

Anaerobic metabolism of 2-amino-3-methyl-3H-imidazo[4,5-f]quinoline (IQ) by human fecal flora. Bashir M, et al. **Mutat Res** 1987 Mar; 190(3):187–90

Intramitochondrial dyes allow selective in vitro photolysis of carcinoma cells. Oseroff AR, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9729–33

Identification of the cooked food mutagen 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) and its N-acetylated and 3-N-demethylated metabolites in rat urine. Peleran JC, et al. **Toxicology** 1987 Feb;43(2):193–9

PHARMACODYNAMICS

Effects of chloroquine, mefloquine and quinine on natural killer cell activity in vitro. An analysis of the inhibitory mechanism. Pedersen BK, et al. **Allergy** 1986 Sep; 41(7):537–42

N-ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline, amiloride analogues, and renal Na+/H+ antiporter. Rocco VK, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F517–24

An ultrastructural study of the effects of mefloquine on malaria parasites. Jacobs GH, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):9–14

Effects of combinations of quinoline-containing antimalarials on Plasmodium falciparum in culture. Geary TG, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):285–91

In vitro susceptibility of 96 Capnocytophaga strains, including a beta-lactamase producer, to new beta-lactam antibiotics and six quinolones. Arlet G, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1283–4

4-Quinolone drugs affect cell cycle progression and function of human lymphocytes in vitro. Forsgren A, et al. **Antimicrob Agents Chemother** 1987 May;31(5):768–73

Monocyclic and tricyclic analogs of quinolones: mechanism of action. Georgopapadakou NH, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):614–6
In vitro and in vivo activity of NY–198, a new difluorinated quinolone. Hirose T, et al. **Antimicrob Agents Chemother** 1987 Jun;31(6):854–9
In vitro activities of U–63366, a spectinomycin analog; roxithromycin (RU 28965), a new macrolide antibiotic; and five quinolone derivatives against Haemophilus ducreyi. Sanson–Le Pors MJ, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):512–3
Inhibition of R–plasmid transfer in Escherichia coli by 4–quinolones. Weisser J, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):531–4
Rate of bactericidal activity for Streptococcus faecalis of a new quinolone, CI–934, compared with that of amoxicillin. Yourassowsky E, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):258–9
Effects of MY–1250, a main active metabolite of MY–5116, a new anti–allergic agent, on the release of mediators from guinea pig lung fragments. Takahashi K, et al. **Arerugi** 1986 Sep;35(9):982–7
DNA binding studies on 1OH–pyrrolizino[1,2–b]quinolines. Hall G, et al. **Arzneimittelforschung** 1987 May;37(5):582–4
Current concepts and new ideas on the mechanism of action of quinoline–containing antimalarials. Ginsburg H, et al. **Biochem Pharmacol** 1987 May 15;36(10):1567–76 (150 ref.)
Inhibition of aminoacylase from hog kidney by 2–ethoxy–1–(ethoxycarbonyl)–1,2–dihydroquinoline. Löffler HG, et al. **Biol Chem Hoppe Seyler** 1987 May; 368(5):481–5
The influence of quinolone derivatives on theophylline clearance. Wijnands WJ, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):677–83
Sensitivity to quinine and mefloquine of Plasmodium falciparum in Thailand. Suebsaeng L, et al. **Bull WHO** 1986;64(5):759–65
Metabolic basis for the protective effect of the antioxidant ethoxyquin on aflatoxin B1 hepatocarcinogenesis in the rat. Mandel HG, et al. **Cancer Res** 1987 Oct 1;47(19):5218–23
Effects of N–hydroxy–N'–aminoguanidine derivatives on ribonucleotide reductase activity, nucleic acid synthesis, clonogenicity, and cell cycle of L1210 cells. Weckbecker G, et al. **Cancer Res** 1987 Feb 15;47(4):975–8
Ethoxyquin alone induces preneoplastic changes in rat kidney whilst preventing induction of such lesions in liver by aflatoxin B1. Manson MM, et al. **Carcinogenesis** 1987 May; 8(5):723–8
Induction of gamma–glutamyl transpeptidase mRNA by aflatoxin B1 and ethoxyquin in rat liver. Power CA, et al. **Carcinogenesis** 1987 May;8(5):737–40
Inhibition of ethinyloestradiol and tolbutamide metabolism by quinoline derivatives in vitro. Riviere JH, et al. **Chem Biol Interact** 1986 Oct 1;59(3):301–8
Stereospecific inhibition of cholinesterases by mefloquine enantiomers. Ngiam TL, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):409–12
In vitro assessment of CI–934—a new quinolone derivative. Finch R, et al. **Chemioterapia** 1986 Dec;5(6):368–74
Discrepancy between the antibacterial activities and the inhibitory effects on Micrococcus luteus DNA gyrase of 13 quinolones. Fu KP, et al. **Chemotherapy** 1986;32(6):494–8
In vitro activity of CI–934 and other antimicrobial agents against gram–positive and gram–negative bacteria. Smith RP, et al. **Clin Ther** 1986;9(1):106–18
Resistance to ten different fluoroquinolone antibiotics following in vitro exposures to nalidixic acid. Barry AL, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):77–9
Bactericidal activities of ten different fluoroquinolones against selected Enterobacteriaceae. Barry AL, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):81–3
In vitro activity of CI–934, a new quinolone antimicrobial, against gram–positive bacteria. Eliopoulos GM, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):341–4
In vitro activity of CI–934 compared with ciprofloxacin, enoxacin, norfloxacin, and vancomycin. Floyd–Reising SA, et al. **Diagn Microbiol Infect Dis** 1987 Apr;6(4):301–6
CI–934, a new difluoroquinolone: in vitro antibacterial activity and proposed disk diffusion test interpretive criteria. Fuchs PC, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):185–92
In vitro antibacterial activity of irloxacin (E–3432) on clinical isolates. Coll R, et al. **Drugs Exp Clin Res** 1987;13(2):75–7
Effects of changes in pH, medium and inoculum size on the in vitro activity of different quinolone and fluoroquinolone antibiotics against urinary pathogens. Gesu GP, et al. **Drugs Exp Clin Res** 1987;13(2):79–84
The post–antimicrobial suppressive effect of quinolone agents. Neu HC, et al. **Drugs Exp Clin Res** 1987;13(2):63–7
Comparative in vitro activity of CI934, a new fluoroquinolone, alone and in combination with coumermycin, against gram–positive bacteria. van der Auwera P, et al. **Drugs Exp Clin Res** 1987;13(3):125–32
In vitro antibacterial activity of E–3604, a new 6–fluoroquinolone, on clinical isolates. Xicota MA, et al. **Drugs Exp Clin Res** 1987;13(3):133–6
Opiate–serotonin synergism stimulating luteinizing hormone release in estrogen–progesterone–primed ovariectomized rats: mediation by serotonin2 receptors. Lenahan SE, et al. **Endocrinology** 1987 Apr;120(4):1495–502
Comparative in vitro activity of amifloxacin and five other fluoroquinolone antimicrobial agents and preliminary criteria for the disk susceptibility test. Barry AL, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):179–82
Intraphagocytic activity of ciprofloxacin and CI 934. Milatovic D. **Eur J Clin Microbiol** 1986 Dec;5(6):659–60
Cross–resistance of nalidixic acid resistant Enterobacteriaceae to new quinolones and other antimicrobials. Piddock LJ, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):411–5
Decreased sensitivity of Neisseria gonorrhoeae to quinolone compounds [letter] Wagenvoort JH, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):685
In vitro activity of four new quinolones in Mueller–Hinton broth and peritoneal dialysis fluid [letter] Weissauer–Condon C, et al. **Eur J Clin Microbiol** 1987 Jun; 6(3):324–6
Stereoselective inhibition of the binding of [3H]PK 11195 to peripheral–type benzodiazepine binding sites by a quinolinepropanamide derivative. Dubroeucq MC, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):269–72
The differential effects of nedocromil sodium and sodium cromoglycate on the secretory response of rabbit peritoneal neutrophils. Bradford PG, et al. **Eur J Respir Dis [Suppl]** 1986;147:238–40
The pharmacology of nedocromil sodium. Eady RP. **Eur J Respir Dis [Suppl]** 1986;147:112–9 (24 ref.)
Nedocromil sodium inhibits IgE–dependent activation of rat macrophages and platelets as measured by schistosome killing, chemiluminescence and enzyme release. Joseph M, et al. **Eur J Respir Dis [Suppl]** 1986;147:220–2
A comparison of nedocromil sodium and sodium cromoglycate on human lung mast cells obtained by bronchoalveolar lavage and by dispersion of lung fragments. Leung KB, et al. **Eur J Respir Dis [Suppl]** 1986; 147:223–6
Plasmodium falciparum: inhibition of dolichol kinase by mefloquine. Walter RD. **Exp Parasitol** 1986 Dec; 62(3):356–61
Somatostatin immunoneutralization overcomes the inhibitory effects of quipazine and pargyline on growth hormone secretion in domestic fowl. Harvey S, et al. **Experientia** 1987 Jun 15;43(6):602–4
In vitro susceptibility of chloroquine resistant Plasmodium falciparum to mefloquine in Delhi. Gajanana A, et al. **Indian J Malariol** 1986 Dec;23(2):91–4
Review of the 4–quinolones. Eggleston M, et al. **Infect Control** 1987 Mar;8(3):119–25 (100 ref.)
Activity of nedocromil sodium in mast–cell–dependent reactions in the rat. Riley PA, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):108–10
Evaluation of the sedative properties of PK 8165 (pipequaline), a benzodiazepine partial agonist, in normal subjects. von Frenckell R, et al. **Int Clin Psychopharmacol** 1986 Jan;1(1):24–35
Effects of allopurinol, (+)–cyanidanol–3 and dihydroquinoline–type antioxidants on rat hepatic microsomal cytochrome P–450 and monooxygenases. Horváth T, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Apr;25(4):201–3
The effect of nedocromil sodium on nasal provocation with allergen. Corrado OJ, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):218–22
The quinoline quinone as the minimum entity for reverse transcriptase inhibitory activity of streptonigrin. Inouye Y, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):105–7
Susceptibility of non–fermentative gram–negative bacteria to ciprofloxacin, norfloxacin, amifloxacin, pefloxacin and cefpirome. Appelbaum PC, et al. **J Antimicrob Chemother** 1986 Dec;18(6):675–9
In–vitro activity of six fluorinated quinolones against Mycobacterium tuberculosis. Berlin OG, et al. **J Antimicrob Chemother** 1987 May;19(5):611–5
Comparative in–vitro activity of five fluoroquinolones against mycobacteria. Davies S, et al. **J Antimicrob Chemother** 1987 May;19(5):605–9
In–vitro activity of CI–934 against gram–positive aerobes and anaerobes [letter] Debbia E, et al. **J Antimicrob Chemother** 1987 Jan;19(1):135–6
The frequency of in–vitro resistance development to fluoroquinolones and the use of a murine pyelonephritis model to demonstrate selection of resistance in vivo. Fernandes PB, et al. **J Antimicrob Chemother** 1987 Apr; 19(4):449–65
The in–vitro activity of CI–934 compared with that of other new 4–quinolones and nalidixic acid. King A, et al. **J Antimicrob Chemother** 1986 Aug;18(2):163–9
The comparative in–vitro activity of eight newer quinolones and nalidixic acid. King A, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:1–20
Release of endotoxin from Escherichia coli by quinolones [letter] McConnell JS, et al. **J Antimicrob Chemother** 1986 Dec;18(6):765–6
Elimination of plasmids from Enterobacteriaceae by 4–quinolone derivatives. Michel–Briand Y, et al. **J Antimicrob Chemother** 1986 Dec;18(6):667–74
The effect of altered porin expression in Escherichia coli upon susceptibility to 4–quinolones. Piddock LJ, et al. **J Antimicrob Chemother** 1986 Oct;18(4):547–9
The effect of quinolone antibacterials on the gastrointestinal flora compared with that of other antibacterials. Reeves DS. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:89–102 (75 ref.)
Activity of CI–934 against gram–positive bacteria [letter] Rolston KV, et al. **J Antimicrob Chemother** 1986 Dec; 18(6):768–9
The adverse effects of fluoroquinolones. Smith CR. **J Antimicrob Chemother** 1987 Jun;19(6):709–11
The mode of action of 4–quinolones and possible mechanisms of resistance. Smith JT. **J Antimicrob Chemother** 1986 Nov; 18 Suppl D:21–9 (21 ref.)
Reversed incomplete cross–resistance among the older and newer quinolone antibiotics [letter] van Caekenberghe DL, et al. **J Antimicrob Chemother** 1987 Mar;19(3):404
Purification of the putative hormone–sensitive cyclic AMP phosphodiesterase from rat adipose tissue using a derivative of cilostamide as a novel affinity ligand. Degerman E, et al. **J Biol Chem** 1987 Apr 25;262(12):5797–807
Assessment of a potential dopaminergic prodrug moiety in several ring systems. Cannon JG, et al. **J Med Chem** 1986 Oct;29(10):2016–20
Inhibitors of cyclic AMP phosphodiesterase. 1. Analogues of cilostamide and anagrelide. Jones GH, et al. **J Med Chem** 1987 Feb;30(2):295–303
Inhibitors of cyclic AMP phosphodiesterase. 2. Structural variations of N–cyclohexyl–N–methyl–4–[(1,2,3,5–tetrahydro–2–oxoimidazo[2,1–b]quinazolin–7–yl)–oxy]butyramide (RS–82856). Venuti MC, et al. **J Med Chem** 1987 Feb; 30(2):303–18
Potential–sensitive response mechanism of diS–C3–(5) in biological membranes. Cabrini G, et al. **J Membr Biol** 1986; 92(2):171–82
Effects of D2–dopaminergic receptor stimulation on male rat sexual behavior. Foreman MM, et al. **J Neural Transm** 1987;68(3–4):153–70
The pharmacokinetics of pyrimethamine in the rat: effect of mefloquine. Coleman MD, et al. **J Pharm Pharmacol** 1986 Nov;38(11):840–2
Cyclic voltammetry of quinolinium salts and related compounds: correlation with structure and anticancer activity. Crawford PW, et al. **J Pharm Sci** 1987 Jun; 76(6):481–4
Antibacterial activity of 6,8–disubstituted–quinolone–3–carboxylic acids. Krishnan R, et al. **J Pharm Sci** 1986 Dec;75(12):1185–7
Phenylquinolines PK 8165 and PK 9084 allosterically modulate [35S]t–butylbicyclophosphorothionate binding to a chloride ionophore in rat brain via a novel Ro5 4864 binding site. Gee KW. **J Pharmacol Exp Ther** 1987 Mar; 240(3):747–53
Membrane current changes responsible for the positive inotropic effect of OPC–8212, a new positive inotropic agent, in single ventricular cells of the guinea pig heart. Iijima T, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):657–62
Beneficial effect of OPC–8212 (3,4–dihydro–6–(4–(3,4–dimethoxy benzoyl)–1–piperazinyl)–2(1H)–quinolinone on myocardial oxygen consumption in dogs with ischemic heart failure. Hori M, et al. **Jpn Circ J** 1986 Jul;50(7):659–66
In–vitro chloroquine and mefloquine–resistant Plasmodium falciparum in Nigeria [letter] Salako LA, et al. **Lancet** 1987 Mar 7;1(8532):572–3
Effects of 2–substituted–4–phenylquinolines on uptake of serotonin and norepinephrine by isolated brain synaptosomes. Alhaider AA, et al. **Life Sci** 1987 Mar 2; 40(9):909–13
Angiotensin I converting enzyme inhibitors containing unnatural alpha–amino acid analogues of phenylalanine. Miller KE, et al. **Life Sci** 1987 Jan 5;40(1):63–70
Quinoline and quninaldine as naturally occurring inhibitors specific for type A monoamine oxidase. Naoi M, et al. **Life Sci** 1987 Mar 16;40(11):1075–82
Differential modification of striatal D1 dopamine receptors and effector moieties by N–ethoxycarbonyl–2–ethoxy–1,2–dihydroquinoline in vivo and in vitro. Hess EJ, et al. **Mol Pharmacol** 1987 Jan; 31(1):50–7
Nuclear damage of colon epithelial cells by the food carcinogen 2–amino–3–methylimidazo[4,5–f]quinoline (IQ) is modulated by dietary lipids. Dolara P, et al. **Mutat Res** 1986 Dec;175(4):255–8
Comparative genotoxic effects of IQ and MeIQ in Salmonella typhimurium and cultured mammalian cells. Holme JA, et al. **Mutat Res** 1987 Apr;187(4):181–90
Involvement of the locus coeruleus in the potentiation of the quipazine–induced head–twitch response by diazepam and beta–adrenoceptor agonists. Handley SL, et al. **Neuropharmacology** 1986 Dec;25(12):1315–21
Functional recovery of D1 dopamine receptor–mediated stimulation of rat striatal adenylate cyclase activity following irreversible receptor modification by N–ethoxycarbonyl–2–ethoxy–1,2–dihydroquinoline (EEDQ): evidence for spare receptors. Battaglia G, et al. **Neurosci Lett** 1986 Sep 12;69(3):290–5
Antimicrobial activity of some novel arylthiobenzo[f]quinolines. Bahuguna RP, et al. **Pharmazie** 1986 Sep;41(9):672
Quipazine–metoclopramide inhibition of CB–154–induced prolactin suppression in rats: neurotransmitter–metabolite correlations. Lipham LB, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):250–5
RS–82856, a selective phosphodiesterase inhibitor with inotropic, afterload reduction and antithrombotic properties. Strosberg AM, et al. **Proc West Pharmacol Soc** 1987;30:5–10

Effects of D2-dopaminergic receptor stimulation on the lordotic response of female rats. Foreman MM, et al. **Psychopharmacology (Berlin)** 1987;91(1):96-100

Frequency and expression of mutational resistance to the 4-quinolone antibacterials. Smith JT. **Scand J Infect Dis [Suppl]** 1986;49:115-23

In vitro and in vivo pharmacological profiles of the PAF receptor antagonist SRI 63-675. Handley DA, et al. **Thromb Haemost** 1987 Apr 7;57(2):187-90

In vitro susceptibility of Plasmodium falciparum to amodiaquine, mefloquine, quinine and chloroquine in Liberia, West Africa. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):761-2

A study of the sensitivity of Plasmodium falciparum to chloroquine and mefloquine using the in vitro microtechnique in Peninsular Malaysia. Ho KB, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):257-9

In vitro effect of chloroquine, mefloquine and quinine on human lymphocyte proliferative responses to malaria antigens and other antigens/mitogens. Bygbjerg IC, et al. **Trop Med Parasitol** 1986 Sep;37(3):245-7

Filaricidal effect of mefloquine on adults and microfilariae of Brugia patei and Brugia malayi. Walter RD, et al. **Trop Med Parasitol** 1987 Mar;38(1):55-6

[Comparison of the effectiveness of two kinds of media for in vitro microtest of sensitivity of Plasmodium falciparum to chloroquine and mefloquine] Liu DQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):256-9 (Eng. Abstr.) **(Chi)**

[Effects of piperaquine on the fine structure of the erythrocytic stages of Plasmodium berghei ANKA strain] Chen L, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul; 7(4):351-3 (Eng. Abstr.) **(Chi)**

[Streptococcus faecalis: sensitivity to quinolones, penicillins and aminoglycosides alone or in combination] Augé B, et al. **Pathol Biol (Paris)** 1986 Nov;34(9):993-6 (Eng. Abstr.) **(Fre)**

[Antibacterial activity in vitro of 10 quinolones against 20 strains of Legionella pneumophila] Deforges L, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):631-3 (Eng. Abstr.) **(Fre)**

[In vitro activity and resistance of 4-quinolones] Bauernfeind A. **Infection** 1986;14 Suppl 3:S186-7 (13 ref.) **(Ger)**

[Short communication about the influence of quinolone derivatives on the immune system] Hahn H. **Infection** 1986; 14 Suppl 3:S219 **(Ger)**

[Inhibition of gyrase by 4-quinolones: effect on the structure of DNA] Weisser J, et al. **Infection** 1986;14 Suppl 3:S183-5 (Eng. Abstr.) **(Ger)**

[Quinolone: a multiple-acting chemotherapy agent] **Med Monatsschr Pharm** 1986 Dec;9(12):375-81 **(Ger)**

[Antiallergic effect of MY-5116 and its major metabolite, MY-1250] Kohno SW, et al. **Arerugi** 1986 Nov; 35(11):1105-12 (Eng. Abstr.) **(Jpn)**

[Effects of MY-1250, a main active metabolite of MY-5116, a new anti-allergic drug, on histamine release from monkey lung fragments] Takahashi K, et al. **Arerugi** 1986 Sep; 35(9):975-81 (Eng. Abstr.) **(Jpn)**

[Effects of MY-1250, a main active metabolite of MY-5116, a new anti-allergic drug, on histamine release from rat peritoneal exudate cells and the degranulation of mesenteric mast cells] Takahashi K, et al. **Arerugi** 1986 Oct; 35(10):1028-36 (Eng. Abstr.) **(Jpn)**

[Inhibitory effect on the release of mediators from rat peritoneal exudate cells and the antagonistic effect against mediators of MY-5116 and other anti-allergic agents] Yamada N, et al. **Nippon Yakurigaku Zasshi** 1986 Sep; 88(3):229-37 (Eng. Abstr.) **(Jpn)**

[Diazabicyclic systems (VIII). Cyclo addition reactions of benzoquinoline and 3,8-dimethyoxybenzoquinoline via ylidic intermediaries] Dorneanu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar;90(1):153-5 (Eng. Abstr.) **(Rum)**

[Action of combinations of ampiox and a quinoline derivative on penicillin-resistant staphylococcal strains] Palii GK, et al. **Antibiot Med Biotekhnol** 1986 Nov;31(11):860-3 (Eng. Abstr.) **(Rus)**

POISONING

Acute intoxication of marmosets and rats fed high concentrations of the dietary antioxidant "ethoxyquin 66". McIntosh GH, et al. **Aust Vet J** 1986 Nov;63(11):385-6

RADIATION EFFECTS

Photobleaching of a cyanine dye in solution and in membranes. Valdes-Aguilera O, et al. **Photochem Photobiol** 1987 Mar;45(3):337-44

THERAPEUTIC USE

Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure. Kessler PD, et al. **Am Heart J** 1987 Jan;113(1):137-43

The new fluorinated quinolones for infection prevention in acute leukemia [editorial] Young LS. **Ann Intern Med** 1987 Jan;106(1):144-6

Nedocromil sodium and exercise induced asthma. Chudry N, et al. **Arch Dis Child** 1987 Apr;62(4):412-4

Effects of MY-5116 on experimental asthma in rats and guinea pigs. Takahashi K. **Arerugi** 1986 Oct;35(10):1037-46

Ability of ethoxyquin and butylated hydroxytoluene to counteract deleterious effects of dietary aflatoxin in chicks. Ehrich M, et al. **Avian Dis** 1986 Oct-Dec;30(4):802-7

4-quinolones and pneumococcal infection [letter] Ball P, et al. **Br J Hosp Med** 1986 Dec;36(6):461-2

A phase-III clinical trial of mefloquine in children with chloroquine-resistant falciparum malaria in Thailand. Chongsuphajaisiddhi T, et al. **Bull WHO** 1987;65(2):223-6

Effect of nedocromil sodium on adenosine- and methacholine-induced bronchospasm in asthma. Crimi E, et al. **Clin Allergy** 1987 Mar;17(2):135-41

A trial comparing nedocromil sodium (Tilade) and placebo in the management of bronchial asthma. Fyans PG, et al. **Clin Allergy** 1986 Nov;16(6):505-11

Prevention of fog-induced bronchospasm by nedocromil sodium. Robuschi M, et al. **Clin Allergy** 1987 Jan; 17(1):69-74

Inflammation: its clinical relevance in airway diseases. Proceedings of an international symposium. Amsterdam, 16-17 March 1986. **Eur J Respir Dis [Suppl]** 1986;147:1-345

Preliminary report on the effect of nedocromil sodium on antigen-induced early and late reactions in allergic sheep. Abraham WM, et al. **Eur J Respir Dis [Suppl]** 1986; 147:192-5

The clinical development of a new agent for the treatment of airway inflammation, nedocromil sodium (Tilade). Auty RM. **Eur J Respir Dis [Suppl]** 1986;147:120-31

Adenosine-induced bronchoconstriction: premedication with chlorpheniramine and nedocromil sodium. Crimi E, et al. **Eur J Respir Dis [Suppl]** 1986;147:255-7

Adenosine-induced bronchoconstriction: comparison between nedocromil sodium and sodium cromoglycate. Crimi N, et al. **Eur J Respir Dis [Suppl]** 1986;147:258-62

A double-blind comparative trial of nedocromil sodium and placebo in the management of bronchial asthma in patients routinely using oral bronchodilators. Cua-Lim F, et al. **Eur J Respir Dis [Suppl]** 1986;147:306-10

Effect of nedocromil sodium on TXB2, LTB4 and LTD4 synthesis by alveolar macrophages from asthmatic patients. Damon M, et al. **Eur J Respir Dis [Suppl]** 1986;147:206-9

A multicentre double-blind group comparative trial of two dose levels of nedocromil sodium and placebo in the management of perennial extrinsic asthma. Greco DB, et al. **Eur J Respir Dis [Suppl]** 1986;147:323-6

Clinical evaluation of nedocromil sodium in asthma. Holgate ST. **Eur J Respir Dis [Suppl]** 1986;147:149-59 (42 ref.)

Monkeys infected with Ascaris suum (a new in vivo model of airway disease): protective effect of nedocromil sodium and sodium cromoglycate against bronchial antigen challenge. Jackson DM, et al. **Eur J Respir Dis [Suppl]** 1986;147:202-5

An open assessment study of the acceptability, tolerability and safety of nedocromil sodium in long-term clinical use in patients with perennial asthma. Lal S, et al. **Eur J Respir Dis [Suppl]** 1986;147:136-42

Withdrawal of inhaled corticosteroid under cover of nedocromil sodium. Paananen M, et al. **Eur J Respir Dis [Suppl]** 1986;147:330-5

A 4-week Australian multicentre study of nedocromil sodium in asthmatic patients. Ruffin R, et al. **Eur J Respir Dis [Suppl]** 1986;147:336-9

A group comparative study of the safety and efficacy of nedocromil sodium (Tilade) in reversible airways disease: a preliminary report. van As A, et al. **Eur J Respir Dis [Suppl]** 1986;147:143-8

The addition of nedocromil sodium to maintenance therapy in the management of patients with bronchial asthma. Williams AJ, et al. **Eur J Respir Dis [Suppl]** 1986;147:340-3

Oral OPC-8212 for the treatment of congestive heart failure: hemodynamic improvement and increased exercise capacity. Inoue M, et al. **Heart Vessels** 1986;2(3):166-71

The development of a new agent for the treatment of inflammatory/allergic conditions. Cairns H, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):513-7

The quinolones and dermatologic practice. Parish LC, et al. **Int J Dermatol** 1986 Jul-Aug;25(6):351-6 (24 ref.)

The preventive effect and duration of action of nedocromil sodium and cromolyn sodium on exercise-induced asthma (EIA) in adults. König P, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):64-8

Acute hemodynamic effects of a new inotropic agent (OPC-8212) in patients with congestive heart failure. Asanoi H, et al. **J Am Coll Cardiol** 1987 Apr;9(4):865-71

Quinolones in chest infections. Davies BI, et al. **J Antimicrob Chemother** 1986 Sep;18(3):296-9 (43 ref.)

Antitachycardiac effect of OPC-8212, a novel cardiotonic agent, on tachycardiac responses of guinea pig isolated right atria to isoproterenol and histamine. Yanagisawa T, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):47-54

Misuse of mefloquine for malaria prophylaxis in Zimbabwe [letter] Baily GG. **Lancet** 1987 Jan 3;1(8523):53

Polymorphism of proteins in malaria parasites following mefloquine treatment. Pinswasdi C, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):159-64

Antioxidant protection against free radicals mediated myocardial injury. Röth E, et al. **Prog Clin Biol Res** 1987; 236A:633-40

When not to use the antimalarial drug mefloquine [letter] Markus MB. **S Afr Med J** 1987 Jul 18;72(2):157

[New ways of treating and preventing malaria: mefloquine (Lariam)] Kollaritsch H, et al. **Wien Klin Wochenschr** 1987 May 15;99(10):346-51 (Eng. Abstr.) **(Ger)**

[Inhibition of ventricular fibrillation in experimental acute coronary occlusion by means of free radical-binding compounds] Török B, et al. **Orv Hetil** 1986 Sep 28; 127(39):2375-6, 2379 (Eng. Abstr.) **(Hun)**

[Effects of MY-5116 on experimental animal models of type I-type IV allergic reactions and the formation of IgE antibody] Takahashi K, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):245-54 (Eng. Abstr.) **(Jpn)**

TOXICITY

Dose-dependent effects of butylated hydroxyanisole, butylated hydroxytoluene and ethoxyquin for promotion of bladder carcinogenesis in N-butyl-N-(4-hydroxybutyl)nitrosamine-initiated, unilaterally ureter-ligated rats. Fukushima S, et al. **Cancer Lett** 1987 Jan;34(1):83-90

Induction of hepatocellular carcinoma and highly metastatic squamous cell carcinomas in the forestomach of mice by feeding 2-amino-3,4-dimethylimidazo[4,5-f]quinoline. Ohgaki H, et al. **Carcinogenesis** 1986 Nov;7(11):1889-93

Genotoxicity, carcinogenicity, and mode of action of the fried food mutagen 2-amino-3-methylimidazo[4,5-f]quinoline (IQ). Weisburger JH, et al. **Environ Health Perspect** 1986 Aug;67:121-7

Nedocromil sodium preclinical safety evaluation studies: a preliminary report. Clark B, et al. **Eur J Respir Dis [Suppl]** 1986;147:248-51

The inhalation toxicity of two commercial dyes: solvent yellow 33 and solvent green 3. Sun JD, et al. **Fundam Appl Toxicol** 1987 Apr;8(3):358-71

IQ (2-amino-3-methylimidazo[4,5-f]quinoline). **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:261-73

MeIQ (2-amino-3,4-dimethylimidazo[4,5-f]quinoline. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:275-81

Carcinogenicities in mice and rats of IQ, MeIQ, and MeIQx. Ohgaki H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:97-105

The carcinogenicity of quinoline and benzoquinolines in newborn CD-1 mice. LaVoie EJ, et al. **Jpn J Cancer Res** 1987 Feb;78(2):139-43

Mutagenicity of 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) in the granuloma pouch assay. Radermacher J, et al. **Mutat Res** 1987 Feb;187(2):99-103

URINE

Tryptophan metabolism and urinary quinoline bases in the greyhound. Williams DJ. **Res Vet Sci** 1986 Sep;41(2):273-4

QUINOLINIC ACIDS see under **PYRIDINES**

QUINOLINIUM COMPOUNDS

DIAGNOSTIC USE

Membrane chloride transport measured using a chloride-sensitive fluorescent probe. Illsley NP, et al. **Biochemistry** 1987 Mar 10;26(5):1215-9

PHARMACODYNAMICS

Biological properties of the antagonist SRI 63-441 in the PAF and endotoxin models of hypotension in the rat and dog. Handley DA, et al. **Immunopharmacology** 1987 Apr; 13(2):125-32

Inhibition of monoamine oxidase by N-methylisoquinolinium ion. Naoi M, et al. **J Neurochem** 1987 Mar;48(3):709-12

Inhibition of PAF-induced systemic responses in the rat, guinea pig, dog and primate by the receptor antagonist SRI 63-441. Handley DA, et al. **Thromb Haemost** 1986 Aug 20;56(1):40-4

[Immunopharmacological actions of lumin (I): Anti-allergic actions of lumin] Sasaki Y, et al. **Nippon Yakurigaku Zasshi** 1987 Jan;89(1):1-7 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Inhibition of rat colon tumor isograft growth with dequalinium chloride. Bleday R, et al. **Arch Surg** 1986 Nov; 121(11):1272-5

Dequalinium, a topical antimicrobial agent, displays anticarcinoma activity based on selective mitochondrial accumulation. Weiss MJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5444-8

[Immunopharmacological actions of lumin (II): Effect of lumin administration in NZB X NZW (B/W) F1 mice] Sasaki Y, et al. **Nippon Yakurigaku Zasshi** 1987 Jan; 89(1):9-13 (Eng. Abstr.) **(Jpn)**

QUINOLINOLS see **HYDROXYQUINOLINES**

QUINOLIZINES

ANALYSIS

Determination of flumequine and its 7-hydroxy metabolite by reversed-phase high-performance liquid chromatography. Decolin D, et al. **J Chromatogr** 1987 Mar 6;414(2):499-503

CHEMICAL SYNTHESIS

[Quinolizidine derivatives with antibacterial activity] Sparatore A, et al. **Farmaco [Sci]** 1986 Oct;41(10):781–7 (Eng. Abstr.) **(Ita)**

[Central muscle relaxant activities of 2-methyl-3-aminopropiophenone derivatives] Kontani H, et al. **Nippon Yakurigaku Zasshi** 1987 Feb;89(2):91–101 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

[Chemical constituents of the Tibetan drug Meconopsis punicea] Liu SY. **Chung Yao Tung Pao** 1986 Jun;11(6):40–2 **(Chi)**

METABOLISM

Disposition of radiolabeled flumequine in rat and dog. Harrison LI, et al. **Drug Metab Dispos** 1986 Sep–Oct; 14(5):555–8

Indoloquinolizidines, formal derivatives of tetrahydro-beta-carbolines, show selective affinity for benzodiazepine, tryptamine and serotonin binding sites in rat brain. Lounasmaa M, et al. **Neuropharmacology** 1986 Aug;25(8):915–8

PHARMACODYNAMICS

Activity of flumequine against Escherichia coli: in vitro comparison with nalidixic and oxolinic acids. Greenwood D. **Antimicrob Agents Chemother** 1978 Mar;13(3):479–83

In vitro evaluation of S–25930 and S–25932, two new quinolones, against aerobic gram-negative isolates from cancer patients. Rolston KV, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):102–3

In-vitro activity of two new quinolone antimicrobial agents, S–25930 and S–25932 compared with that of other agents. Neu HC, et al. **J Antimicrob Chemother** 1987 Feb; 19(2):175–85

Synthesis, absolute configuration, and antibacterial activity of 6,7-dihydro-5,8-dimethyl-9-fluoro-1-oxo-1H,5H-benzo[ij]quinolizine-2-carboxylic acid. Gerster JF, et al. **J Med Chem** 1987 May;30(5):839–43

Some pharmacological properties of Wy 27127 a more selective alpha 2:alpha 1-adrenoceptor antagonist than idazoxan in vitro. Bill SJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):418–22

THERAPEUTIC USE

[A comparative double-blind trial of HSR-902 and butylscopolamine bromide for relieving colic in ureteral stone patients] Naito K, et al. **Hinyokika Kiyo** 1986 Nov; 32(11):1735–45 (Eng. Abstr.) **(Jpn)**

URINE

Identification of flumequine in a urinary calculus. Rincé C, et al. **J Clin Chem Clin Biochem** 1987 May;25(5):313–4

QUINONE REDUCTASES

The structure of NADH:ubiquinone oxidoreductase from beef-heart mitochondria. Crystals containing an octameric arrangement of iron-sulphur protein fragments. Brink J, et al. **Eur J Biochem** 1987 Jul 15;166(2):287–94

EPR characterization of the iron-sulfur clusters in the NADH: ubiquinone oxidoreductase segment of the respiratory chain in Paracoccus denitrificans. Meinhardt SW, et al. **J Biol Chem** 1987 Jul 5;262(19):9147–53

Three-dimensional structure of NADH: ubiquinone reductase (complex I) from Neurospora mitochondria determined by electron microscopy of membrane crystals. Leonard K, et al. **J Mol Biol** 1987 Mar 20;194(2):277–86

ANALYSIS

Reconstitution of Apo-DT-diaphorase with flavin-adenine dinucleotide. Wada I, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4840–3

ANTAGONISTS & INHIBITORS

Inhibition of mitochondrial NADH-ubiquinone oxidoreductase activity by 1-methyl-4-phenylpyridinium ion. Mizuno Y, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):294–9

Selective inhibition of mitochondrial NADH-ubiquinone reductase (Complex I) by an alkyl polyoxyethylene ether. Suzuki H, et al. **Biochem Int** 1986 Aug;13(2):351–7

Inhibition of NADH-ubiquinone reductase activity by N,N'-dicyclohexylcarbodiimide and correlation of this inhibition with the occurrence of energy-coupling site 1 in various organisms. Yagi T. **Biochemistry** 1987 May 19; 26(10):2822–8

Mechanism of inhibition of mitochondrial enzymatic complex I–III by adriamycin derivatives. Goormaghtigh E, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):83–94

BIOSYNTHESIS

Induction of epidermal NAD(P)H:quinone reductase by chemical carcinogens: a possible mechanism for the detoxification. Khan WA, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):126–33

DEFICIENCY

Deficiency of subunits in heart mitochondrial NADH-ubiquinone oxidoreductase of a patient with mitochondrial encephalomyopathy and cardiomyopathy. Tanaka M, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):88–93

Partial deficiency of subunits in complex I or IV of patients with mitochondrial myopathies. Tanaka M, et al. **Biochem Int** 1987 Mar;14(3):525–30

Deficiency of the reduced nicotinamide adenine dinucleotide dehydrogenase component of complex I of mitochondrial electron transport. Fatal infantile lactic acidosis and hypermetabolism with skeletal-cardiac myopathy and encephalopathy. Hoppel CL, et al. **J Clin Invest** 1987 Jul; 80(1):71–7

Congenital deficiency of two polypeptide subunits of the iron-protein fragment of mitochondrial complex I. Moreadith RW, et al. **J Clin Invest** 1987 Feb;79(2):463–7

Mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes syndrome and NADH-CoQ reductase deficiency. Kobayashi M, et al. **J Inherited Metab Dis** 1986; 9(3):301–4

Two cases of NADH-coenzyme Q reductase deficiency: relationship to MELAS syndrome. Kobayashi M, et al. **J Pediatr** 1987 Feb;110(2):223–7

Clinical presentation of mitochondrial respiratory chain defects in NADH-coenzyme Q reductase and cytochrome oxidase: clues to pathogenesis of Leigh disease. Robinson BH, et al. **J Pediatr** 1987 Feb;110(2):216–22

Benign mitochondrial myopathy with deficiency of NADH-CoQ reductase and cytochrome c oxidase. Roodhooft AM, et al. **Neuropediatrics** 1986 Nov; 17(4):221–6

[Clinical and biochemical approach to mitochondrial cytopathy—defects of the respiratory chain] Kobayashi M. **No To Hattatsu** 1987 Mar;19(2):132–9 **(Jpn)**

[Muscle pathology in mitochondrial myopathy] Nonaka I. **No To Hattatsu** 1987 Mar;19(2):110–7 (23 ref.) **(Jpn)**

[Neurological approach to mitochondrial abnormalities] Yokochi K. **No To Hattatsu** 1987 Mar;19(2):118–24 **(Jpn)**

GENETICS

Conjugation-dependent recovery of the Na+ pump in a mutant of Vibrio alginolyticus lacking three subunits of the Na+ pump. Tokuda H, et al. **FEBS Lett** 1987 May 11;215(2):335–8

Rat liver NAD(P)H: quinone reductase nucleotide sequence analysis of a quinone reductase cDNA clone and prediction of the amino acid sequence of the corresponding protein. Bayney RM, et al. **J Biol Chem** 1987 Jan 15;262(2):572–5

NAD(P)H:menadione oxidoreductase. Novel purification of enzyme cDNA and complete amino acid sequence, and gene regulation. Robertson JA, et al. **J Biol Chem** 1986 Nov 25;261(33):15794–9

ISOLATION & PURIFICATION

Purification and characterization of NADH dehydrogenase complex from Paracoccus denitrificans. Yagi T. **Arch Biochem Biophys** 1986 Nov 1;250(2):302–11

Interaction between NAD-dependent isocitrate dehydrogenase, alpha-ketoglutarate dehydrogenase complex, and NADH:ubiquinone oxidoreductase. Porpaczy Z, et al. **J Biol Chem** 1987 Jul 15;262(20):9509–14

METABOLISM

Enzymology of quinoproteins. Duine JA, et al. **Adv Enzymol** 1987;59:169–212 (80 ref.)

Sensitivity to NN'-dicyclohexylcarbodi-imide of proton translocation by mitochondrial NADH:ubiquinone oxidoreductase. Honkakoski PJ, et al. **Biochem J** 1986 Aug 1;237(3):927–30

Quinoneimines as substrates for quinone reductase (NAD(P)H: (quinone-acceptor)oxidoreductase) and the effect of dicumarol on their cytotoxicity. Powis G, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2473–9

Structure and function of the mitochondrial ubiquinol: cytochrome c reductase and NADH: ubiquinone reductase. Weiss H, et al. **Biochem Soc Trans** 1987 Feb;15(1):100–2

Menadione- (2-methyl-1,4-naphthoquinone-) dependent enzymatic redox cycling and calcium release by mitochondria. Frei B, et al. **Biochemistry** 1986 Jul 29; 25(15):4438–43

Changes in NADH-ubiquinone reductase (complex I) with autolysis in the rat heart as experimental model. van Jaarsveld H, et al. **Enzyme** 1986;35(4):206–14

Dietary influences on rat hepatic and intestinal DT-diaphorase activity. Salbe AD, et al. **Food Chem Toxicol** 1986 Aug;24(8):851–6

Direct protective effect of NAD(P)H:quinone reductase against menadione-induced chemiluminescence of postmitochondrial fractions of mouse liver. Prochaska HJ, et al. **J Biol Chem** 1987 Feb 15;262(5):1931–4

Effects of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and 1-methyl-4-phenylpyridinium ion on activities of the enzymes in the electron transport system in mouse brain. Mizuno Y, et al. **J Neurochem** 1987 Jun;48(6):1787–93

A mitochondrial encephalomyopathy with cardiomyopathy. A case revealing a defect of complex I in the respiratory chain. Nishizawa M, et al. **J Neurol Sci** 1987 Apr; 78(2):189–201

Some acute effects of monochromatic ultraviolet B irradiation on mouse epidermis measured by the tetrazolium-reduction test and determination of DT-diaphorase activity, with reference to carcinogenesis. Olsen WM, et al. **Virchows Arch [B]** 1987;52(5):443–51

[A mitochondrial encephalomyopathy: a case of a defect of complex I in the electron transport chain] Shinozawa K, et al. **Rinsho Shinkeigaku** 1987 Jan;27(1):41–8 (Eng. Abstr.) **(Jpn)**

QUINONES

Deoxyguanosine adducts formed from benzoquinone and hydroquinone. Jowa L, et al. **Adv Exp Med Biol** 1986; 197:825–32

The reduction of anti-tumour diaziridinyl benzoquinones. Butler J, et al. **Biochim Biophys Acta** 1987 Aug 13; 925(2):144–9

Effect of metal ions on the rearrangement of dopachrome. Palumbo A, et al. **Biochim Biophys Acta** 1987 Aug 13; 925(2):203–9

Diffusion- and reaction rate-limited redox processes mediated by quinones through bilayer lipid membranes. Ilani A, et al. **Biophys J** 1987 Feb;51(2):161–7

A new reaction of o-benzoquinone with N-acetyl-DL-tryptophan (a 3-substituted indole) & characterisation of the product. Narasimhan S, et al. **Indian J Biochem Biophys** 1986 Aug;23(4):215–9

Semiquinone anion radicals from addition of amino acids, peptides, and proteins to quinones derived from oxidation of catechols and catecholamines. An ESR spin stabilization study. Kalyanaraman B, et al. **J Biol Chem** 1987 Aug 15; 262(23):11080–7

Toward a rationalization of the sensitizing potency of substituted p-benzoquinones: reaction of nucleophiles with p-benzoquinones. Cremer D, et al. **J Med Chem** 1987 Sep; 30(9):1678–81

ADVERSE EFFECTS

[Occupational contact dermatitis caused by the wood of Machaerium scleroxylum (Pao ferro)] Ibsen HH, et al. **Ugeskr Laeger** 1987 Jan 19;149(4):244–5 (Eng. Abstr.) **(Dan)**

[Toxic and allergic reactions caused by Machaerium scleroxylum Tul. (Pao ferro) in a furniture factory] Jacobsen FK, et al. **Ugeskr Laeger** 1987 Jan 19; 149(4):219–20 (Eng. Abstr.) **(Dan)**

ANALYSIS

Spectrophotometric and spectrofluorimetric determination of cycloserine with p-benzoquinone. el-Sayed L, et al. **Analyst** 1986 Aug;111(8):915–7

On the importance of quinone-quinonemethide tautomerism for dopamine action. Hofmann HJ, et al. **Pharmazie** 1986 Jul;41(7):518

CHEMICAL SYNTHESIS

Synthesis and biological activities of 2,3-dimethyl-1,4-benzoquinones having alkylthio and arylthio side chains. Mori K, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1270–4

DIAGNOSTIC USE

Spectrophotometric determination of antimalarials using quinones. Sastry BS, et al. **Pharmazie** 1986 Oct; 41(10):739–40

ISOLATION & PURIFICATION

Computer-assisted rapid-scan cyclic staircase voltammetry in normal-phase high-performance liquid chromatography. Gunasingham H, et al. **Anal Chem** 1987 Jan 15;59(2):262–6

1H and 13C NMR assignment of benzothiophenquinones from the sulfur-oxidizing archaebacterium Sulfolobus solfataricus. Lanzotti V, et al. **Eur J Biochem** 1986 Oct 1;160(1):37–40

[New quinones from the roots of Rubia cordifolia L.] Vidal-Tessier AM, et al. **Ann Pharm Fr** 1986;44(2):117–22 (Eng. Abstr.) **(Fre)**

METABOLISM

Quinone imines as biological reactive intermediates. Porubek D, et al. **Adv Exp Med Biol** 1986;197:631–44

Formation of glutathione-conjugated semiquinones by the reaction of quinones with glutathione: an ESR study. Takahashi N, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):41–8

Quinone formation from carcinogenic benzo[a]pyrene mediated by lipid peroxidation in phosphatidylcholine liposomes. Terao J, et al. **Arch Biochem Biophys** 1987 May 1;254(2):472–81

Intermediates of tocopherol biosynthesis in the unicellular alga Scenedesmus obliquus. The presence of three isomeric methylphytylbenzoquinones. Henry A, et al. **Biochem J** 1987 Mar 1;242(2):367–73

Quinoneimines as substrates for quinone reductase (NAD(P)H: (quinone-acceptor)oxidoreductase) and the effect of dicumarol on their cytotoxicity. Powis G, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2473–9

Role of hepatic microsomal and purified cytochrome P-450

in one-electron reduction of two quinone imines and concomitant reduction of molecular oxygen. van de Straat R, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):613-9

Electron-transfer reactions between flavodoxin semiquinone and c-type cytochromes: comparisons between various flavodoxins. Cheddar G, et al. **Biochemistry** 1986 Oct 21; 25(21):6502-7

A kinetic study of the melanization pathway between L-tyrosine and dopachrome. Cabanes J, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):187-95

The effect of ring substituents on the mechanism of interaction of exogenous quinones with the mitochondrial respiratory chain. Chen M, et al. **Biochim Biophys Acta** 1986 Oct 8;851(3):469-74

Electron spin resonance studies of the interaction of oxidoreductases with 2,6-dimethoxy-p-quinone and semiquinone. Gascoyne PR, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):257-62

A method for estimating lateral diffusion coefficients in membranes from steady-state fluorescence quenching studies. Blackwell MF, et al. **Biophys J** 1987 May; 51(5):735-44

Twenty-first Paterson symposium: bioactivation of quinone anti-tumor agents. **Br J Cancer** 1987 Mar;55(3):327-30

Role of metabolism and oxidation-reduction cycling in the cytotoxicity of antitumor quinoneimines and quinonediimines. Powis G, et al. **Cancer Res** 1987 May 1; 47(9):2363-70

Regulation of electron transfer by the quinone pool. Ragan CI, et al. **J Bioenerg Biomembr** 1986 Oct;18(5):403-18

Polycyclic aromatic hydrocarbon quinones and glutathione thioethers as substrates and inhibitors of the human placental NADP-linked 15-hydroxyprostaglandin dehydrogenase. Chung HS, et al. **J Biol Chem** 1987 Sep 15;262(26):12448-51

The kinetics of reoxidation of yeast complex III. An evaluation of the Q-cycle. Tsai AL, et al. **J Biol Chem** 1987 Jun 25;262(18):8677-84

Dopachrome conversion and dopa oxidase activities in recessive yellow mice. Catalytic activities of extracts from pheomelanic and eumelanic tissues. Lamoreux ML. **J Hered** 1986 Sep-Oct;77(5):337-40

[The role of N-quinones in the regulation of glucose-6-phosphate metabolism] Lider VA, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):283-5 (Eng. Abstr.) **(Rus)**

[Characteristics of the interaction of adrenal lipoamide dehydrogenase with physiological and quinone electron acceptors] Chenas NK, et al. **Ukr Biokhim Zh** 1987 Mar-Apr;59(2):44-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cross-linking of protein molecules by the reactive metabolite of acetaminophen, N-acetyl-p-benzoquinone imine, and related quinoid compounds. Streeter AJ, et al. **Adv Exp Med Biol** 1986;197:727-37

Effect of AA-861, a 5-lipoxygenase inhibitor, on leukotriene synthesis in human polymorphonuclear leukocytes and on cyclooxygenase and 12-lipoxygenase activities in human platelets. Mita H, et al. **Allergy** 1986 Sep;41(7):493-8

Arachidonate 5-lipoxygenase inhibitors show potent antiproliferative effects on human leukemia cell lines. Tsukada T, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):832-6

Phospholipid-dependent interaction between dibromothymoquinone and iron-sulfur protein in mitochondrial ubiquinol-cytochrome c reductase. Gwak SH, et al. **Biochim Biophys Acta** 1987 Mar 4;890(3):319-25

Interaction of chlorinated phenolics and quinones with the mitochondrial respiration: a comparison of the o- and p-chlorinated quinones and hydroquinones. Pritsos CA, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):847-55

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-mediated epidermal ornithine decarboxylase induction and skin tumor promotion by new lipoxygenase inhibitors lacking protein kinase C inhibitory effects. Aizu E, et al. **Carcinogenesis** 1986 Nov;7(11):1809-12

Effect of 6-(10-hydroxydecyl)-2,3-dimethoxy-5-methyl-1,4-benzoquinone (CV-2619) on microsomal lipid peroxidation. Okamoto K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2821-7

Enhancement of fibronectin expression by herbimycin A. Umezawa K, et al. **Experientia** 1987 Jun 15;43(6):614-6

In vitro study on humoral encapsulation of microfilariae: effects of diethyldithiocarbamate and dopachrome on the reaction. Chen CC, et al. **Int J Parasitol** 1987 Feb; 17(3):789-94

Irreversible inhibition of 3-hydroxy-3-methylglutaryl coenzyme A reductase by phenicin (phoenicine). Hasumi K, et al. **J Antibiot (Tokyo)** 1987 Feb;40(2):224-6

The quinoline quinone as the minimum entity for reverse transcriptase inhibitory activity of streptonigrin. Inouye Y, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):105-7

The structure and cytocidal activity of herbimycin C. Shibata K, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1630-3

Comparative study on biological activities of heterocyclic quinones and streptonigrin. Take Y, et al. **J Antibiot (Tokyo)** 1987 May;40(5):679-84

In-vitro and in-vivo potency of five new fluoroquinolones against anaerobic bacteria. Fernandes PB, et al. **J Antimicrob Chemother** 1986 Dec;18(6):693-701

Plasmid ecology and the elimination of plasmids by 4-quinolones [letter] Platt DJ, et al. **J Antimicrob Chemother** 1987 Jul;20(1):137-8

The apparent inhibition of superoxide dismutase activity by quinones. Butler J, et al. **J Free Radic Biol Med** 1986; 2(1):77-81

Mechanism of action of the marine natural product stypoldione: evidence for reaction with sulfhydryl groups. O'Brien ET, et al. **J Med Chem** 1986 Oct;29(10):1851-5

Mutagens formed from butylated hydroxyanisole treated with nitrite under acidic conditions. Mizuno M, et al. **Mutat Res** 1987 Feb;176(2):179-84

1,4-Benzoquinone as a new inhibitor of monoamine oxidase. Naoi M, et al. **Neurosci Lett** 1987 Jun 15;77(2):215-20

Effects of idebenone, a cerebral metabolism activator, on muricidal behavior in rats with raphe lesions. Miyamoto M, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):351-3

Effects of a thromboxane synthetase inhibitor (OKY-046) and a lipoxygenase inhibitor (AA-861) on bronchial responsiveness to acetylcholine in asthmatic subjects. Fujimura M, et al. **Thorax** 1986 Dec;41(12):955-9

Inhibition of bovine lymphocyte response to phytohemagglutinin by a specific 5-lipoxygenase inhibitor. Atluru D, et al. **Vet Immunol Immunopathol** 1987 Mar; 14(3):269-78

[Hypocrellin A-sensitized cross-linking of erythrocyte membrane proteins] Zheng JH, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Dec;19(4):445-53 (Eng. Abstr.) **(Chi)**

[Stimulation by quinones of cyanide-resistant respiration in rat liver and heart mitochondria] Kolesova GM, et al. **Biokhimiia** 1987 May;52(5):715-9 (Eng. Abstr.) **(Rus)**

[Inhibition of microsomal oxidation by o-benzoquinone derivatives] Kostiuk VA. **Biokhimiia** 1987 Mar;52(3):355-8 (Eng. Abstr.) **(Rus)**

[Modifying effect of water-soluble analogs of quinoid radiotoxins on hematopoiesis in gamma-irradiated mice] Kopylov VA, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):558-60 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effect of 5-lipoxygenase inhibitor on experimental delayed cerebral vasospasm. Yokota M, et al. **Stroke** 1987 Mar-Apr; 18(2):512-8

[Brain distribution of idebenone (CV-2619) and its effect on local cerebral glucose utilization in rats] Nagai Y, et al. **Nippon Yakurigaku Zasshi** 1986 Aug;88(2):109-23 (Eng. Abstr.) **(Jpn)**

TOXICITY

Quinone toxicity in hepatocytes without oxidative stress. Rossi L, et al. **Arch Biochem Biophys** 1986 Nov 15; 251(1):25-35

Cellular effects of N(4-ethoxyphenyl)p-benzoquinone imine, a p-phenetidine metabolite formed during peroxidase reactions. Larsson R, et al. **Chem Biol Interact** 1986 Dec; 60(3):317-30

QUINOXALINES

Cyclic voltammetry of phenazines and quinoxalines including mono- and di-N-oxides. Relation to structure and antimicrobial activity. Crawford PW, et al. **Chem Biol Interact** 1986 Oct 15;60(1):67-84

Effects of meat composition and cooking conditions on the formation of mutagenic imidazoquinoxalines (MeIQx and its methyl derivatives). Jägerstad M, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:87-96 (35 ref.)

ADMINISTRATION & DOSAGE

[Veterinary Chief Inspection for Public Health. Carbadox and olaquindox] **Tijdschr Diergeneeskd** 1987 Apr 1; 112(7):423-4 **(Dut)**

ADVERSE EFFECTS

Unusual skin reaction to echinomycin [letter] Garrison J, et al. **Cancer Treat Rep** 1987 Apr;71(4):433-4

Occupational photocontact dermatitis from Olaquindox. Francalanci S, et al. **Contact Dermatitis** 1986 Aug; 15(2):112-4

ANALYSIS

Quantitative determination of sulphamethazine and carbadox in animal feeds by paired ion high-performance liquid. McGary ED. **Analyst** 1986 Nov;111(11):1341-2

Determination of olaquindox residues in swine tissues by liquid chromatography. Nagata T, et al. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):706-7

Determination of methylglyoxal as 2-methylquinoxaline by high-performance liquid chromatography and its application to biological samples. Ohmori S, et al. **J Chromatogr** 1987 Feb 20;414(1):149-55

BIOSYNTHESIS

Production of quinomycin A in Streptomyces lasaliensis. Steinerová N, et al. **Folia Microbiol (Praha)** 1987;32(1):1-5

BLOOD

Platelet high affinity adrenoceptor binding sites labelled with the agonist [3H]UK-14,304, in depressed patients and matched controls. Theodorou AE, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):329-32

Platelet alpha 2-adrenoceptor binding and function during the menstrual cycle. Theodorou AE, et al. **J Psychiatr Res** 1987;21(2):163-9

CHEMICAL SYNTHESIS

Synthesis of the potent mutagen 3,5,8-trimethyl-3H-imidazo[4,5-f]quinoxalin-2-amine. Nyhammar T, et al. **Acta Chem Scand [B]** 1986 Aug; 40(7):583-7

[Synthesis and antiviral activity of quinoxalinedione 2,3(1H, 4H) derivatives] Keppeler K, et al. **Arch Pharm (Weinheim)** 1987 Mar;320(3):271-4 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Agonist binding at alpha 2-adrenoceptors of human platelets using 3H-UK-14,304: regulation by Gpp(NH)p and cations. Schloos J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):48-59

ISOLATION & PURIFICATION

Formation of mutagens, 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) and 2-amino-3,4,8-trimethylimidazo[4,5-f]quinoxaline (4,8-DiMeIQx), in heated fish meats. Kikugawa K, et al. **Mutat Res** 1987 Jul;179(1):5-14

Identification of the mutagenic quinoxaline isomers from fried ground beef. Knize MG, et al. **Mutat Res** 1987 May; 178(1):25-32

METABOLISM

Mutagenic metabolites in urine and feces of rats fed with 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline, a carcinogenic mutagen present in cooked meat. Hayatsu H, et al. **Cancer Res** 1987 Feb 1;47(3):791-4

[3H] UK-14,304, a new agonist ligand of alpha 2-adrenoceptors: a comparative study with human and rat tissue. Rommelspacher H, et al. **J Neural Transm** 1987; 69(1-2):85-96

Hoogsteen base pairs proximal and distal to echinomycin binding sites on DNA. Mendel D, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):910-4

PHARMACODYNAMICS

Ocular effects of a relatively selective alpha 2 agonist (UK-14, 304-18) in cats, rabbits and monkeys. Burke JA, et al. **Curr Eye Res** 1986 Sep;5(9):665-76

Biochemical and pharmacological characterization of CGS 12066B, a selective serotonin-1B agonist. Neale RF, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):1-9

Effect of echinomycin on DNA methylation. Adams RL, et al. **FEBS Lett** 1987 May 11;215(2):266-8

Effect of dietary supplementation with vitamin C or carbadox on weanling pigs subjected to crowding stress. Yen JT, et al. **J Anim Sci** 1987 Jun;64(6):1672-81

Evidence for a receptor mediated action of norepinephrine distinct from alpha- and beta-adrenoceptors. Bond RA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):261-6

The effects of some alpha-adrenoceptor antagonists on the responses of the canine saphenous vein to B-HT 933, UK-14304 and methoxamine. Rhodes KF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):261-8

Echinomycin and distamycin induce rotation of nucleosome core DNA. Low CM, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6785-801

Interaction of nucleosome core particles with distamycin and echinomycin: analysis of the effect of DNA sequences. Portugal J, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):885-903

Carbadox induced changes in aldosterone, sodium and potassium levels in the blood of weaned pigs. van der Molen EJ, et al. **Zentralbl Veterinarmed [A]** 1986 Oct; 33(8):617-23

[Pharmacologic activity of 1-lupinylquinoxalin-2(1H)-ones, 3,6-disubstituted] Satta M, et al. **Farmaco [Sci]** 1986 Sep; 41(9):722-8 (Eng. Abstr.) **(Ita)**

[Antibacterial activity of dioxidine under aero- and anaerobic conditions] Bol'shakov LV. **Antibiot Med Biotekhnol** 1986 Oct;31(10):760-4 (Eng. Abstr.) **(Rus)**

[Sensitivity of clinical bacterial strains to dioxidine in vitro under aerobic and anaerobic conditions] Ponomareva TR. **Antibiot Med Biotekhnol** 1987 Mar;32(3):199-202 (Eng. Abstr.) **(Rus)**

POISONING

Poor growth, episodic paralysis and adrenocortical injury in swine after accidental olaquindox overdosage. Newsholme SJ, et al. **Vet Rec** 1986 Nov 29;119(22):554-5

THERAPEUTIC USE

Calcium-channel-blocking agent in the treatment of acute

alcohol withdrawal—caroverine versus meprobamate in a randomized double-blind study. Koppi S, et al. **Neuropsychobiology** 1987;17(1-2):49-52

Therapeutic efficiency of olaquindox in gamma-irradiated mice. Pospíšil M, et al. **Strahlenther Onkol** 1986 Dec; 162(12):793-7

[Use of 5% dioxidine ointment in the treatment of patients with chronic suppurative Highmoritis] Khlystov IuA, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):66-7 **(Rus)**

TOXICITY

Carcinogenicity in mice of a mutagenic compound, 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) from cooked foods. Ohgaki H, et al. **Carcinogenesis** 1987 May;8(5):665-8

Hypoaldosteronism in piglets induced by carbadox. van der Molen EJ, et al. **Experientia** 1986 Dec 1;42(11-12):1247-9

MeIQx (2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline). **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 40:283-8

Carcinogenicities in mice and rats of IQ, MeIQ, and MeIQx. Ohgaki H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:97-105

Degeneration of the rat and canine adrenal cortex caused by alpha- (1,4-dioxido-3-methylquinoxalin-2-yl) -N-methylnitrone (DMNM). Yarrington JT, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5-6):109-25

[The nature of DNA damage and its repair after treatment of bacteria with dioxidine] Bakal TS, et al. **Mol Gen Mikrobiol Virusol** 1987 Apr;(4):35-9 (Eng. Abstr.) **(Rus)**

[The role of the gene umuC and plasmid muc genes in mutagenesis induced by dioxidine in E. coli K12] Bakal TS, et al. **Mol Gen Mikrobiol Virusol** 1985 Jun;(6):33-6 (Eng. Abstr.) **(Rus)**

[Effect of dioxidine, antineoplastic agents and other mutagens on the precise excision of Tn1 and Tn10 transposons in E. coli K12] Bakal TS, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug;(8):15-9 (Eng. Abstr.) **(Rus)**

QUINTUPLETS

[Basic principles of modern management and care of multiple pregnancies (apropos of the first successfully managed case of quintuplets in Hungary)] Gáti I, et al. **Orv Hetil** 1987 Jan 18;128(3):127-31 (Eng. Abstr.) **(Hun)**

QUINUCLIDINES

ANALYSIS

Determination of quinupramin in plasma and urine by capillary column gas chromatography-mass spectrometry. Bouquet S, et al. **J Chromatogr** 1986 Dec 19;383(2):393-9

ANTAGONISTS & INHIBITORS

[Effects of intravenous injection of soman on specific binding with [3H]QNB in rat brain homogenates] Zhao DL, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):227-30 (Eng. Abstr.) **(Chi)**

METABOLISM

Influence of veratridine on [3H]-L-quinuclidinyl benzilate ([3H]QNB) binding in mouse hindbrain. Mack JE, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):991-4

Stereospecific 3H-QNB binding to human erythrocyte membranes associated with muscarinic cholinergic receptors. Bering B, et al. **J Neural Transm** 1987; 68(1-2):97-111

Effects of acetylethylcholine mustard on [3H]quinuclidinyl benzilate binding and acetylcholine release in rat brain synaptosomes. Meyer EM, et al. **J Neurochem** 1987 Feb; 48(2):477-82

Characterization of high affinity [3H]pirenzepine and (-)-[3H] quinuclidinyl benzilate binding to muscarinic cholinergic receptors in rabbit peripheral lung. Bloom JW, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):51-8

Comparison of two radiolabeled quinuclidinyl benzilate ligands for the characterization of the human peripheral lung muscarinic receptor. Joad JP, et al. **Life Sci** 1987 Sep 28;41(13):1577-84

Differential interactions of muscarinic drugs with binding sites of [3H]pirenzepine and [3H]quinuclidinyl benzilate in rat brain tissue. Tonnaer JA, et al. **Life Sci** 1987 May 18; 40(20):1981-7

Doubtful role for phencyclidine metabolites in PCP enhancement of QNB binding. Boggan WO, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):671-6

Effect of phencyclidine and two monohydroxy metabolites on 3H QNB binding in vivo in rats. Boggan WO, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):847-9

[Solubilization by various detergents, of the muscarinic cholinoreceptor and its complex with quinuclidinyl benzilate] Rinken AA, et al. **Biokhimiia** 1987 Feb; 52(2):303-10 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

On the interrelations of immune and mediator receptors of mice lymphocytes. Alexeeva TA, et al. **Allergol Immunopathol (Madr)** 1986 Jul-Aug;14(4):325-7

Down-regulation of central serotonin S2 receptors after repeated treatment with quinupramine in rats. Sakamoto H, et al. **Jpn J Pharmacol** 1987 Apr;43(4):369-77

The schedule dependent effects of 3-quinuclidinyl benzilate on operant behavior in the rat. Liu WF, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1191-4

[Electroencephalographic effect of quinupramine in the rabbit] Watanabe S, et al. **Nippon Yakurigaku Zasshi** 1987 Jun;89(6):339-54 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Treatment of enuresis: a study with imipramine, amitriptyline, chlordiazepoxide-clidinium and piracetam. Yurdakök M, et al. **Turk J Pediatr** 1986 Jul-Sep;28(3):171-5

TOXICITY

[The toxic effects of quinuclidinyl benzilate and its antidote, tetrahydroaminocrine on cultured cells. II] Hroch M, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984; 27(4):379-94 (Eng. Abstr.) **(Cze)**

QUINUCLIDINYL BENZILATE see under **QUINUCLIDINES**

QUIPAZINE see under **QUINOLINES**

R 2323 see under **NORPREGNATRIENES**

R FACTORS

Phage types, antibiograms and R-plasmids of Klebsiella and Enterobacter isolated from hospital environment and food. Horváth J, et al. **Acta Microbiol Hung** 1986;33(4):285-94

R factors of pathogenic strains of Escherichia coli isolated from infant diarrhoea. Tarabasz-Szymańska L, et al. **Acta Microbiol Pol** 1987;36(1-2):73-82

Faecal Escherichia coli mediating transferable multi-antibiotic resistance and undesirable extra-chromosomal genes. Obaseiki-Ebor EE, et al. **Ann Trop Paediatr** 1986 Dec;6(4):283-6

Organization, expression, and evolution of genes for mercury resistance. Summers AO. **Annu Rev Microbiol** 1986; 40:607-34 (148 ref.)

Persistence of an antibiotic resistance plasmid in intestinal Escherichia coli of chickens in the absence of selective pressure. Chaslus-Dancla E, et al. **Antimicrob Agents Chemother** 1987 May;31(5):784-8

Genetic analysis and penicillin-binding protein alterations in Neisseria gonorrhoeae with chromosomally mediated resistance. Dougherty TJ. **Antimicrob Agents Chemother** 1986 Nov;30(5):649-52

Influence of R-plasmid RP1 of Pseudomonas aeruginosa on cell wall composition, drug resistance, and sensitivity to cold shock. Kenward MA, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):446-53

Genetic studies of kanamycin resistance in Campylobacter jejuni. Kotarski SF, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):225-30

Novel mechanism for plasmid-mediated erythromycin resistance by pNE24 from Staphylococcus epidermidis. Lampson BC, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):653-8

More than one DNA sequence encodes the 2''-O-adenylyltransferase phenotype. Lee SC, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):667-70

High-level tetracycline resistance in Neisseria gonorrhoeae is result of acquisition of streptococcal tetM determinant. Morse SA, et al. **Antimicrob Agents Chemother** 1986 Nov; 30(5):664-70

Diversity of determinants encoding carbenicillin, gentamicin, and tobramycin resistance in nosocomial Pseudomonas aeruginosa. Mucha DK, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):281-9

Plasmid penicillin resistance in Vibrio cholerae: identification of new beta-lactamase SAR-1. Reid AJ, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):245-7

Tetracycline resistance and tetM in pathogenic urogenital bacteria. Roberts MC, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):810-2

Antimicrobial resistance of Campylobacter jejuni and Campylobacter coli with special reference to plasmid profiles of Japanese clinical isolates. Sagara H, et al. **Antimicrob Agents Chemother** 1987 May;31(5):713-9

Intergeneric and interspecies gene exchange in gram-positive cocci. Schaberg DR, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):817-22 (78 ref.)

Novel type of plasmid-borne resistance to trimethoprim. Sundström L, et al. **Antimicrob Agents Chemother** 1987 Jan; 31(1):60-6

Organization of two sulfonamide resistance genes on plasmids of gram-negative bacteria. Swedberg G. **Antimicrob Agents Chemother** 1987 Feb;31(2):306-11

Location on RP4 of a tellurite resistance determinant not normally expressed in IncP alpha plasmids. Taylor DE, et al. **Antimicrob Agents Chemother** 1987 May;31(5):823-5

Molecular cloning of amikacin resistance determinants from a Klebsiella pneumoniae plasmid. Tolmasky ME, et al. **Antimicrob Agents Chemother** 1986 Aug;30(2):315-20

Inhibition of R-plasmid transfer in Escherichia coli by 4-quinolones. Weisser J, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):531-4

Conjugal plasmid transfer (pAM beta 1) in Lactobacillus plantarum. Shrago AW, et al. **Appl Environ Microbiol** 1986 Sep;52(3):574-6

Location of plasmid-mediated citrate utilization determinant in R27 and incidence in other H incompatibility group plasmids. Taylor DE, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1394-7

Crystal structure of a novel trimethoprim-resistant dihydrofolate reductase specified in Escherichia coli by R-plasmid R67. Matthews DA, et al. **Biochemistry** 1986 Jul 29;25(15):4194-204

R-plasmid transfer in soil. Trevors JT. **Bull Environ Contam Toxicol** 1987 Jul;39(1):74-7

Drug resistance, R plasmids and pigmentation of Serratia marcescens isolated in Taiwan. Ding MJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):69-79

Transferable resistance to cephalosporins, ureidopenicillins and trimethoprim. Sečkářová A, et al. **Czech Med** 1986; 9(3):143-7

Enzymatic modification of aminoglycoside antibiotics by Branhamella catarrhalis carrying an R factor. Robledano L, et al. **Drugs Exp Clin Res** 1987;13(3):137-43

Mechanism of postsegregational killing by the hok gene product of the parB system of plasmid R1 and its homology with the relF gene product of the E. coli relB operon. Gerdes K, et al. **EMBO J** 1986 Aug;5(8):2023-9

Occurrence of multiple antibiotic resistance and R-plasmids in gram-negative bacteria isolated from faecally contaminated fresh-water streams in Hong Kong. French GL, et al. **Epidemiol Infect** 1987 Jun;98(3):285-99

Restriction enzyme fingerprinting of trimethoprim resistance plasmids. Kraft CA, et al. **Epidemiol Infect** 1987 Jun; 98(3):241-52

Genetic analysis of methicillin-resistant Staphylococcus aureus from Singapore hospitals. Grubb WB, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):728-30

Plasmid-specified aminoglycoside-modifying enzymes in clinical isolates of Klebsiella pneumoniae. Facinelli B, et al. **Eur J Epidemiol** 1985 Mar;1(1):48-53

Plasmid profile of penicillinase-producing Neisseria gonorrhoeae in Greece. Sima A, et al. **Eur J Epidemiol** 1986 Sep;2(3):191-6

Close evolutionary relationship between the chromosomally encoded beta-lactamase gene of Klebsiella pneumoniae and the TEM beta-lactamase gene mediated by R plasmids. Arakawa Y, et al. **FEBS Lett** 1986 Oct 20;207(1):69-74

Complete nucleotide sequence of pTZ12, a chloramphenicol-resistance plasmid of Bacillus subtilis. Aoki T, et al. **Gene** 1987;51(1):107-11

Role of the merT and merP gene products of transposon Tn501 in the induction and expression of resistance to mercuric ions. Lund PA, et al. **Gene** 1987;52(2-3):207-14

A new tetracycline-resistance determinant, class E, isolated from Enterobacteriaceae. Marshall B, et al. **Gene** 1986; 50(1-3):111-7

Versatile kanamycin-resistance cartridges for vector construction in Escherichia coli. Müller W, et al. **Gene** 1986;46(1):131-3

Prevalence of colonization with antibiotic resistant gram-negative bacilli in a nursing home care unit: the importance of cross-colonization as documented by plasmid analysis. Shlaes DM, et al. **Infect Control** 1986 Nov; 7(11):538-45

An ultra-rapid method for the study of antibiotic resistance plasmids. Bennett PM, et al. **J Antimicrob Chemother** 1986 Sep;18(3):421-4

Evolution of R plasmids by replicon fusion. Bennett PM, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:103-11 (29 ref.)

Beta-lactam antibiotics and selection of resistance: speculation on the evolution of R-plasmids. Korfmann G, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:113-21 (21 ref.)

R plasmid transfer. Thompson R. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:13-23 (39 ref.)

R plasmids in Salmonella typhimurium in the United Kingdom. Threlfall EJ, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:175-7

Molecular relationships between trimethoprim R plasmids obtained from human and animal sources. Towner KJ, et al. **J Appl Bacteriol** 1986 Dec;61(6):535-40

Molecular cloning of copper resistance genes from Pseudomonas syringae pv. tomato. Bender CL, et al. **J Bacteriol** 1987 Feb;169(2):470-4

Integration host factor and conjugative transfer of the antibiotic resistance plasmid R100. Dempsey WB. **J Bacteriol** 1987 Sep;169(9):4391-2

Origin of transfer of IncF plasmids and nucleotide sequences of the type II oriT, traM, and traY alleles from ColB4-K98 and the type IV traY allele from R100-1. Finlay BB, et al. **J Bacteriol** 1986 Oct;168(1):132-9

Transformation of vegetative cells of Bacillus thuringiensis by plasmid DNA. Heierson A, et al. **J Bacteriol** 1987 Mar; 169(3):1147-52

oriT sequence of the antibiotic resistance plasmid R100. McIntire SA, et al. **J Bacteriol** 1987 Aug;169(8):3829-32

Decreased chromate uptake in Pseudomonas fluorescens

carrying a chromate resistance plasmid. Ohtake H, et al. **J Bacteriol** 1987 Aug;169(8):3853–6

Complete nucleotide sequence and transcription of ermF, a macrolide–lincosamide–streptogramin B resistance determinant from Bacteroides fragilis. Rasmussen JL, et al. **J Bacteriol** 1986 Nov;168(2):523–33

Facilitated transfer of IncP beta R751 derivatives from the chromosome of Bacteroides uniformis to Escherichia coli recipients by a conjugative Bacteroides tetracycline resistance element. Shoemaker NB, et al. **J Bacteriol** 1987 Jul;169(7):3160–7

Characterization and expression of a cloned tetracycline resistance determinant from Campylobacter jejuni plasmid pUA466. Taylor DE, et al. **J Bacteriol** 1987 Jul; 169(7):2984–9

Repressor gene finO in plasmids R100 and F: constitutive transfer of plasmid F is caused by insertion of IS3 into F finO. Yoshioka Y, et al. **J Bacteriol** 1987 Feb; 169(2):619–23

Restriction enzyme map of cryptic plasmid accompanying pR711b and pR409; identity of pR409 and pR388. Heidorn JV, et al. **J Basic Microbiol** 1986;26(10):621–5

Spread of plasmid–mediated nourseothricin resistance due to antibiotic use in animal husbandry. Hummel R, et al. **J Basic Microbiol** 1986;26(8):461–6

Nucleotide sequence of the structural genes for an anion pump. The plasmid–encoded arsenical resistance operon. Chen CM, et al. **J Biol Chem** 1986 Nov 15;261(32):15030–8

A transferable resistance plasmid in Vibrio cholerae and Escherichia coli isolated from the same patient. Haider K, et al. **J Diarrhoeal Dis Res** 1986 Jun;4(2):91–3

R–plasmid–mediated chromosome mobilization in Bordetella pertussis. Smith CJ, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2685–92

Characterization of plasmids conferring resistance to gentamicin and apramycin in strains of Salmonella typhimurium phage type 204c isolated in Britain. Threlfall EJ, et al. **J Hyg (Lond)** 1986 Dec;97(3):419–26

Persistence of an aminoglycoside–resistance determinant at a university hospital for 12 years. Barg N, et al. **J Infect Dis** 1987 Mar;155(3):586–9

Acquisition of a gene encoding mannose–resistant haemagglutinating fimbriae by a resistance plasmid during long–term urinary infection. Hales BA, et al. **J Med Microbiol** 1986 Dec;22(4):297–301

Partitioning of plasmid R1. Structural and functional analysis of the parA locus. Gerdes K, et al. **J Mol Biol** 1986 Aug 5;190(3):269–79

DNA inversion mediated by the r–determinant of plasmid NR1: evidence for the intramolecular replicative transposition of a 23 kb IS1–flanked transposon? Iida S, et al. **MGG** 1986 Dec;205(3):572–4

Identification and mapping of regions that confer plasmid functions and of sites for excisive recombination of plasmid pMMC7105. Poplawsky AR, et al. **MGG** 1987 Feb; 206(2):265–72

Identification and characterization of the functional alpha origin of DNA replication of the R6K plasmid and its relatedness to the R6K beta and gamma origins. Shafferman A, et al. **MGG** 1987 Jun;208(1–2):263–70

Comparison of the organisation of the genomes of phenotypically diverse plasmids of incompatibility group P: members of the IncP beta sub–group are closely related. Smith CA, et al. **MGG** 1987 Mar;206(3):419–27

Mycobacterial plasmids: screening and possible relationship to antibiotic resistance in Mycobacterium avium/Mycobacterium intracellulare. Franzblau SG, et al. **Microbiol Immunol** 1986;30(9):903–7

Conjugal transfer of beta–lactamase–producing plasmids of Neisseria gonorrhoeae to Neisseria meningitidis. Ikeda F, et al. **Microbiol Immunol** 1986;30(8):737–42

Antibiotic resistance and R plasmids in endemic strains of Salmonella typhimurium isolated in Sicily. Giammanco G, et al. **Microbiologica** 1987 Apr;10(2):183–8

Replicating plasmids in Schizosaccharomyces pombe: improvement of symmetric segregation by a new genetic element. Heyer WD, et al. **Mol Cell Biol** 1986 Jan;6(1):80–9

pKM101 is an IS46–promoted deletion of R46. Hall RM. **Nucleic Acids Res** 1987 Jul 10;15(13):5479

The characterization of a conjugative R–plasmid isolated from Aeromonas salmonicida. Aoki T, et al. **Plasmid** 1986 Nov;16(3):213–8

Broad host range vectors derived from an RSF1010::Tn1 plasmid. Chistoserdov AY, et al. **Plasmid** 1986 Nov; 16(3):161–7

A spontaneous insertion in the agrocin sensitivity region of the Ti–plasmid of Agrobacterium tumefaciens C58. Cooksey DA. **Plasmid** 1986 Nov;16(3):222–4

Persistence and spread of a chloramphenicol resistance–mediating plasmid in antigenic types of Escherichia coli, pathogenic for piglets. Jørgensen ST, et al. **Plasmid** 1980 Sep;4(2):123–9

Characterization of the drug resistance plasmid NTP16. Lambert CM, et al. **Plasmid** 1987 Jan;17(1):26–36

Dispersal of a plasmid–borne chloramphenicol resistance gene in streptococcal and enterococcal plasmids. Pepper K, et al. **Plasmid** 1986 Nov;16(3):195–203

A new IncQ plasmid R89S: properties and genetic organization. Saano AK, et al. **Plasmid** 1987 May; 17(3):191–201

Interactions between the transposable element IS21 on R68.45 and TN7 in Pseudomonas aeruginosa PAO. Schurter W, et al. **Plasmid** 1987 Jan;17(1):61–4

Plasmid–determined bleomycin resistance in Staphylococcus aureus. Semon D, et al. **Plasmid** 1987 Jan;17(1):46–53

Penicillinase plasmids of Staphyiococcus aureus: structural and evolutionary relationships. Shalita Z, et al. **Plasmid** 1980 May;3(3):291–311

Tn602: a naturally occurring relative of Tn903 with direct repeats. Stibitz S, et al. **Plasmid** 1987 May;17(3):202–9

Characterization of self–transmissible plasmids determining lactose fermentation and multiple antibiotic resistance in clinical strains of Klebsiella pneumoniae. Walia SK, et al. **Plasmid** 1987 Jan;17(1):3–12

A pathway for the evolution of the plasmid NTP16 involving the novel kanamycin resistance transposon Tn4352. Wrighton CJ, et al. **Plasmid** 1987 Jan;17(1):37–45

Cloning and DNA sequence of the mercuric– and organomercurial–resistance determinants of plasmid pDU1358. Griffin HG, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3112–6

Functional analysis of a palindromic sequence required for normal replication of several staphylococcal plasmids. Gruss AD, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2165–9

Antibiotic resistance and transferable resistance in Enterobacteriaceae in municipal waste waters. Kralikova K, et al. **Recomb DNA Tech Bull** 1986 Jun;9(2):59–64

Molecular epidemiology of antibiotic resistance plasmids of Haemophilus species and Neisseria gonorrhoeae. Brunton J, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):713–24 (59 ref.)

Plasmid analysis in the study of the epidemiology of nosocomial gram–positive cocci. Schaberg DR, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):705–12 (55 ref.)

Isolation of small plasmid from a deletion mutant of R100 in Escherichia coli K 12 strains. Alfaro G. **Rev Latinoam Microbiol** 1986 Apr–Jun;28(2):139–44

R–factors in gram–positive and gram–negative aerobic bacteria selected by antimicrobial therapy. Buu–Hoi A, et al. **Scand J Infect Dis [Suppl]** 1986;49:46–55 (81 ref.)

Resistance factors in anaerobic bacteria. Tally FP, et al. **Scand J Infect Dis [Suppl]** 1986;49:56–63 (34 ref.)

Antibiotic residues and R–plasmid selection: are in vitro methods good models? Corpet DE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):178–84

Characteristics of a soil–isolated Bacillus subtilis phage, GS1, and GS1–mediated plasmid transduction. Van Elsas JD, et al. **Zentralbl Mikrobiol** 1987;142(1):63–70

[A preliminary study on the usefulness of the plasmid profile analysis for the epidemiological investigation of shigellosis] Xu ZW. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec;7(6):329–31 (Eng. Abstr.) **(Chi)**

[Lysotype changes in multiple drug–resistant plasmids of S. typhimurium strains from hospitals of different countries] Rabsch W, et al. **Z Gesamte Hyg** 1987 May;33(5):264–6 (Eng. Abstr.) **(Ger)**

[Drug–resistance and transferable R plasmids in Vibrio cholerae O–1 and non O–1, V. fluvialis and V. parahaemolyticus recently isolated from human sources] Matsushita S, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):109–17 (Eng. Abstr.) **(Jpn)**

[Relationship of the pKMR plasmids detected in Shigella circulating in the Krasnodar Territory to incompatibility groups] Shishkina ZV, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):600–2 (Eng. Abstr.) **(Rus)**

[Molecular–genetic structure and incompatibility of the nonconjugative enterobacterial R plasmids pKMR281 and pKMR285] Viatkina GG, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):267–71 (Eng. Abstr.) **(Rus)**

[Isolation of the R his plasmids of Vibrio cholerae] Rusina OIu, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):717–9 (Eng. Abstr.) **(Rus)**

[Transfer of chromosomal genes and formation of R'–derivatives using PR4::D312cts15 plasmids in Pseudomonas aeruginosa cells] Ianenko AS, et al. **Genetika** 1986 Dec;22(12):2784–93 (Eng. Abstr.) **(Rus)**

[Effect of R–plasmids on the type of growth of Escherichia coli] Krolichenko TP, et al. **Mikrobiologiia** 1987 Jan–Feb; 56(1):150–1 (Eng. Abstr.) **(Rus)**

[The effect of R–plasmids on the reproduction of Pseudomonas aeruginosa phage SM] Gorelyshev AS, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):3–6 (Eng. Abstr.) **(Rus)**

[Genetic characteristics and physical organization of the R–plasmid pBS52 with a broad range of bacterial hosts] Polevoda BV, et al. **Mol Gen Mikrobiol Virusol** 1986 Nov; (11):18–23 (Eng. Abstr.) **(Rus)**

[Conjugative R–plasmid of facultative methylotrophic bacteria Pseudomonas sp. M] Zheldakova RA, et al. **Mol Gen Mikrobiol Virusol** 1985 Jan;(1):22–5 (Eng. Abstr.) **(Rus)**

[Plasmid characteristics of Salmonella strains of various origins] Iakovleva ON, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):14–21 (Eng. Abstr.) **(Rus)**

[Clinical course of cases of typhoid and paratyphoid A and B fevers in relation to the sensitivity of the causative agent to chloramphenicol] Palomino C, et al. **Rev Med Chil** 1986 Oct;114(10):919–27 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

R–factor–mediated multidrug resistance in Salmonella typhimurium isolates [letter] Gebre–Yohannes A, et al. **Ethiop Med J** 1987 Jan;25(1):53–4

Effect of curing R–plasmids in Salmonella species on their serum sensitivity. el–Khouly AE, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug;24(8):433–7

Plasmid–mediated tetracycline–resistant Neisseria gonorrhoeae. **Iowa Med** 1986 Dec;76(12):590–1

[Microbial resistance of Salmonella agona from various regions of Brazil] Solari CA, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):7–14 (Eng. Abstr.) **(Por)**

GENETICS

Molecular characterization of a conjugative R–lac plasmid in Salmonella typhi isolated from a patient with typhoid fever. Ezaki T, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):303–11

Deletions in the tetracycline resistance determinant reduce the thermosensitivity of a trfA(Ts) derivative of plasmid RP1 in Pseudomonas aeruginosa. Rella M, et al. **Ann Inst Pasteur Microbiol** 1987 Mar–Apr;138(2):151–64

Class D tetracycline resistance determinants of R plasmids from the fish pathogens Aeromonas hydrophila, Edwardsiella tarda, and Pasteurella piscicida. Aoki T, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1278–80

Identification of the Rts 1 DNA fragment responsible for temperature sensitive growth of host cells harboring a drug resistant factor Rts 1 [published erratum appears in Biochem Biophys Res Commun 1987 Mar 13;143(2):797] Okawa N, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1084–8

A multi–resistance plasmid isolated from commensal Neisseria species is closely related to the enterobacterial plasmid RSF1010. Rotger R, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2491–6

Role of R–plasmids in adherence and hydrophobicity in Escherichia coli. Sáinz V, et al. **J Hosp Infect** 1987 Mar; 9(2):175–81

Replication of the multicopy mini–R1 plasmid Rsc11 in Escherichia coli K12: possible nonrandom selection of participants. Bezanson G. **Plasmid** 1980 May;3(3):319–27

Characterization of the plasmids comprising the "R factor" R5 and their relationships to other R plasmids. Haas MJ, et al. **Plasmid** 1980 May;3(3):260–77

A cointegrate of the bacteriophage P1 genome and the conjugative R plasmid R100. Iida S. **Plasmid** 1980 May; 3(3):278–90

Enzymatic modification of aminocyclitol antibiotics: mutations affecting the expression of aminocyclitol acetyltransferase–3. Kagan SA, et al. **Plasmid** 1980 May; 3(3):312–8

Isolation of a temperature–sensitive derivative of RP1. Robinson MK, et al. **Plasmid** 1980 May;3(3):343–7

Epidemiological and structural studies of Staphylococcus aureus R plasmids mediating resistance to tobramycin and streptogramin. el Solh N, et al. **Plasmid** 1980 Jul; 4(1):117–20

Metalloregulatory DNA–binding protein encoded by the merR gene: isolation and characterization. O'Halloran T, et al. **Science** 1987 Jan 9;235(4785):211–4

Transfer of plasmid–mediated ampicillin resistance from Haemophilus to Neisseria gonorrhoeae requires an intervening organism. McNicol PJ, et al. **Sex Transm Dis** 1986 Jul–Sep;13(3):145–50

[Transfer of R plasmids between Shigella and E. coli strains in the intestine of patients with acute shigellosis] Li LJ, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):713–7, 774 (Eng. Abstr.) **(Chi)**

[Tetracycline–resistance plasmids widely dispersed among gram–positive bacteria, especially bacilli] Shishido K. **Seikagaku** 1987 Feb;59(2):74–81 (27 ref.) **(Jpn)**

[The "side–effects" of plasmids (R–plasmids and virulence)] Domaradskii IV. **Mol Gen Mikrobiol Virusol** 1987 Jun; (6):3–9 (73 ref.) (Eng. Abstr.) **(Rus)**

[Transference and resistance to serum in gram–negative strains multiresistant to antimicrobial drugs] Cisneros Benavides ME, et al. **Rev Latinoam Microbiol** 1987 Jan–Mar;29(1):27–33 (Eng. Abstr.) **(Spa)**

R PLASMIDS see **R FACTORS**

RABBIT AORTA CONTRACTING SUBSTANCE see **THROMBOXANE A2**

RABBIT POX VIRUS see under **POXVIRIDAE**

RABBITS

Acute acalculous cholecystitis induced by lysophosphatidylcholine. Neiderhiser DH. **Am J Pathol** 1986 Sep;124(3):559–63

Cecal short–chain fatty acids in experimental rabbit mucoid enteropathy. Toofanian F, et al. **Am J Vet Res** 1986 Nov; 47(11):2423–5

A rabbit model for implanting continuous drug infusion pumps. Esper E, et al. **ASAIO Trans** 1987 Jan–Mar; 33(1):28–32

A depigmentation phenomenon in the Himalayan rabbit. Van Nie CJ, et al. **DTW** 1987 Jul–Aug;94(7):407–10

Coccidia in rabbits (Oryctolagus cuniculus) in Saudi Arabia. Kasim AA, et al. **Int J Parasitol** 1987 Apr;17(4):941–4

Peculiar mitral valve and papillary muscle lesions induced

by vagus manipulations in rabbits. An experimental model for nonrheumatic mitral regurgitation. Imataka K, et al. **Jpn Heart J** 1986 May;27(3):377–86

The rabbit as an experimental model for regional chemotherapy. 2. Isolated perfusion of hindlimbs. Davidson T, et al. **Lab Anim** 1986 Oct;20(4):347–50

The rabbit as an experimental model for regional chemotherapy. 1. Intra-arterial hindlimb infusion. Davidson T, et al. **Lab Anim** 1986 Oct;20(4):343–6

A simple technique for endotracheal intubation in rabbits. Fick TE, et al. **Lab Anim** 1987 Jul;21(3):265–6

A possible effect on the Shwartzman reaction in the rabbit caused by fentanyl–fluanisone tranquillization. Naess V, et al. **Lab Anim** 1986 Oct;20(4):304–6

A device for restraining rabbits while bloodfeeding mosquitoes. Dobson SE, et al. **Lab Anim Sci** 1987 Jun; 37(3):364–5

An efficient rabbit artificial vagina and its use in assessing sperm fertilizing ability in vitro. Fayrer-Hosken RA, et al. **Lab Anim Sci** 1987 Jun;37(3):359–61

Capsule administration in the rabbit using a modified syringe. Vanatta PM. **Lab Anim Sci** 1987 Jun;37(3):367–8

Anesthesia for rabbits. Sedgwick CJ.
Vet Clin North Am [Food Anim Pract] 1986 Nov;2(3):731–6

Enteric infections caused by non–enterotoxigenic Escherichia coli in animals: occurrence and pathogenicity mechanisms. A review. Okerman L. **Vet Microbiol** 1987 May;14(1):33–46 (70 ref.)

The effect of the host's age on the pathology of Eimeria stiedai infection in rabbits. Gomez-Bautista M, et al. **Vet Parasitol** 1987 Apr;24(1–2):47–57

Efficacy of toltrazuril against intestinal and hepatic coccidiosis in rabbits. Peeters JE, et al. **Vet Parasitol** 1986 Nov;22(1–2):21–35

Anterior corneal dystrophy of American Dutch belted rabbits: biomicroscopic and histopathologic findings. Moore CP, et al. **Vet Pathol** 1987 Jan;24(1):28–33

Gut stasis in rabbits [letter] Buckwell AC. **Vet Rec** 1987 Feb 7;120(6):143

Staphylococcosis in a commercial rabbitry [letter] Holliman A, et al. **Vet Rec** 1986 Aug 23;119(8):187

[Etiopathogenesis and epizootiology of coccidiosis in rabbits] Sherkov ShN, et al. **Vet Med Nauki** 1986;23(10):11–7 (Eng. Abstr.) **(Bul)**

[Quantitative study of experimental osteoarthritic lesions in the rabbit. Value for the study of anti–osteoarthritis drugs] Vignon E, et al. **Rev Rhum Mal Osteoartic** 1986 Nov; 53(11):649–52 (Eng. Abstr.) **(Fre)**

[Liver dystrophy in hares. Pathology and epidemiologic studies of the death of hares in central Hesse] Eskens U, et al. **Tierarztl Prax** 1987;15(2):229–35 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The cerebellar projection from the reticular formation of the brain stem in the rabbit. An experimental study using HRP as a retrograde tracer. Tang ZW, et al.
Anat Embryol (Berl) 1987;175(4):521–6

The fiber projections from the dentate nucleus to the reticular formation of the brain stem in the rabbit. Tang ZW, et al. **Anat Embryol (Berl)** 1987;175(4):517–20

Postnatal sutural growth of the calvarium: a survey with special reference to the rabbit. Alberius P, et al.
Gegenbaurs Morphol Jahrb 1986;132(4):519–34

Comparative morphology on the colonic mucosa in three species of lagomorph. Kurohmaru M, et al.
Okajimas Folia Anat Jpn 1987 May;64(1):1–15

[Arterial microvascularization of the ovary in the rabbit during the period of ovulation] Esperança Pina JA, et al. **Bull Assoc Anat (Nancy)** 1985 Sep;69(206):247–53 **(Fre)**

[Pulmonary lobe arteries of the rabbit] Esperança Pina JA, et al. **Bull Assoc Anat (Nancy)** 1985 Sep;69(206):221–30 **(Fre)**

BLOOD

Blood lead concentrations in rabbits. Gerken DF, et al. **Am J Vet Res** 1986 Dec;47(12):2674–5

Relationship between rabbit transferrin electrophoretic patterns and plasma iron concentrations. Zaragoza P, et al. **Anim Genet** 1987;18(1):51–62

Twenty-four hour changes in lysozyme levels, total plasma protein concentration, gamma-globulin concentration, white blood cell count and numbers of lymphocytes and granulocytes in the peripheral blood of chinchillas Chinchilla laniger M. and rabbits Oryctolagus cuniculus L. Jakubów K, et al. **Comp Biochem Physiol [A]** 1987; 86(1):109–12

Blockade of the final phase of ovulation has no effect on the post-ovulatory surge of serum FSH in the rabbit. Bolet G, et al. **J Endocrinol** 1987 Jan;112(1):57–61

[Comparative studies on multiple forms of serum cholinesterase in various species] Unakami S, et al. **Jikken Dobutsu** 1987 Apr;36(2):199–204 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Calcification of the rabbit fetal skeleton. Danielson M, et al. **Growth** 1986 Autumn;50(3):378–84

Comparative study of preimplantation development and embryonic loss in two rabbit strains. Torrès S, et al. **Reprod Nutr Dev** 1987;27(3):707–14

Early stages of embryonic development in two rabbit genotypes. Torrès S, et al. **Reprod Nutr Dev** 1987; 27(3):715–9

GENETICS

Genetics of a tissue esterase polymorphism (Est-6) in the rabbit (Oryctolagus cuniculus). van Zutphen LF, et al. **Biochem Genet** 1987 Jun;25(5–6):335–44

The osteopetrotic rabbit: general and skeletal features of a new outbred stock. Marks SC Jr, et al. **Bone** 1986; 7(5):359–64

Biochemical variation in purebred and crossbred strains of domestic rabbits (Oryctolagus cuniculus L.). Hartl GB, et al. **Genet Res** 1986 Aug;48(1):27–34

A cluster of rabbit T-cell beta-chain variable region genes. Lamoyi E, et al. **Immunogenetics** 1987;25(1):55–62

Sequence determination of a transcribed rabbit class II gene with homology to HLA-DQ alpha. LeGuern C, et al. **Immunogenetics** 1987;25(2):104–9

Linkage of albino and hemoglobin beta-chain loci in the rabbit. Sandberg K, et al. **J Hered** 1987 Mar-Apr; 78(2):124–5

Rabbit secretory components: identification of a third allotype, t63. Hanly WC, et al. **J Immunol** 1987 Sep 1; 139(5):1597–601

Expression patterns of MHC class II genes in rabbit tissues indicate close homology to human counterparts. Kulaga H, et al. **J Immunol** 1987 Jul 15;139(2):587–92

Morphometrical observations on the mandible of five strains of rabbits and strain identification using mandible measurements. Goto N, et al. **Lab Anim** 1987 Jul; 21(3):188–94

Effects of hyperlipidemia on the nursing ability of WHHL rabbits. Shiomi M, et al. **Lab Anim Sci** 1987 Feb;37(1):84–8

A "new allotype" of the a series in rabbit immunoglobulins (a107). Haouas H, et al. **Mol Immunol** 1987 Mar; 24(3):247–51

GROWTH & DEVELOPMENT

Long-term analysis of calvarial growth in rabbits. Alberius P, et al. **Anat Anz** 1986;162(3):153–70

Growth and reproductive performance of rabbits on a moderately low crude protein diet with or without methionine or urea supplementation. Raharjo YC, et al. **J Anim Sci** 1986 Sep;63(3):795–803

Heterochrony in the development of vestigial and functional deciduous incisors in rabbits (Oryctolagus cuniculus L.). Sych LS, et al. **J Craniofac Genet Dev Biol** 1987;7(1):81–94

[Chronic polygraphic study of late postnatal development of healthy rabbits with special reference to behavioral development] Scholle S, et al. **Z Versuchstierkd** 1987; 29(1–2):83–92 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Allergy to rabbits. I. Specificity and non-specificity of RAST and crossed-radioimmunoelectrophoresis due to the presence of light chains in rabbit allergenic extracts. Price JA, et al. **Allergy** 1986 Nov;41(8):603–12

Agglutination of sheep erythrocyte-rabbit antibody complexes treated with sheep serum by a rabbit antiserum specific for the third component (C3) of sheep complement. Jonas W, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):577–82

Changes in the virulence of myxoma virus strains in Britain. Ross J, et al. **Epidemiol Infect** 1987 Feb;98(1):113–7

The rabbit immune system: cells regulating the proliferative response of purified T cells to concanavalin A and phytohaemagglutinin. Ponsard DC, et al. **Immunol Lett** 1986 Aug;13(1–2):63–9

Ectophospholipase A2 activity of the rabbit peritoneal neutrophil. Kennedy SP, et al.
Int Arch Allergy Appl Immunol 1987;83(3):238–46

Production and characterization of monoclonal antibodies to rabbit lymphocyte subpopulations. I. Tissue immunofluorescence and flow cytometric analysis. Loar LD, et al. **J Immunol** 1986 Nov 1;137(9):2784–90

A rabbit class I major histocompatibility complex gene with a T cell-specific expression pattern. Rebiere MC, et al. **J Immunol** 1987 Sep 15;139(6):2066–74

Identification of a rabbit class I-like thymocyte-specific antigen. Wang CR, et al. **J Immunol** 1987 May 15; 138(10):3352–9

Prevalence of antibodies to Sendai virus and rotavirus in laboratory rabbits. Iwai H, et al. **Jikken Dobutsu** 1986 Oct; 35(4):491–4

Cyclosporine toxicity in rabbits. Gratwohl A, et al.
Lab Anim 1986 Jul;20(3):213–20

METABOLISM

Comparative study on the quantity of mineral elements excreted in the faeces by the rabbit (Oryctolagus cuniculus domesticus) and wild rabbit (Oryctolagus cuniculus). Bokori J, et al. **Acta Vet Hung** 1986;34(1–2):11–8

Pharmacokinetics of oxytetracycline hydrochloride in rabbits. McElroy DE, et al. **Am J Vet Res** 1987 Aug; 48(8):1261–3

Isolation and characterization of a full-length rabbit apolipoprotein E cDNA. Hao QL, et al. **Atherosclerosis** 1987 Jul;66(1–2):125–30

Absence of xanthine oxidase or xanthine dehydrogenase in the rabbit myocardium. Grum CM, et al.
Biochem Biophys Res Commun 1986 Dec 30;141(3):1104–8

The rabbit differs from other mammalian in the tissue distribution of alkaline phosphatase isoenzymes. Noguchi T, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):15–9

Differences between glycogen synthases from rat and rabbit skeletal muscle as indicated by phosphopeptide maps. Hegazy MG, et al. **Biochim Biophys Acta** 1987 Feb 18; 927(2):269–79

Volatile fatty acid absorption across rabbit colon in vivo. Vernay M. **DTW** 1987 Jan 8;94(1):7–12

Lactogenic effect of bovine placental lactogen on pregnant rabbit but not pregnant heifer mammary gland explants. Byatt JC, et al. **J Dairy Sci** 1986 Aug;69(8):2066–71

[Electrophysiological analysis of cellular regulation of sodium transport in the large intestine of the rabbit] Clauss W, et al. **DTW** 1987 Jan 8;94(1):4–6 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

The normal microflora of the female rabbit's genital tract. Jacques M, et al. **Can J Vet Res** 1986 Apr;50(2):272–4

Possible windborne spread of myxomatosis to England in 1953. Sellers RF. **Epidemiol Infect** 1987 Feb;98(1):119–25

Leads from the MMWR. Tularemia—New Jersey. **JAMA** 1987 Jan 16;257(3):296–7

Bacteriological and serological studies on Pasteurella multocida infection in rabbits. Nakagawa M, et al.
Jikken Dobutsu 1986 Oct;35(4):463–9

Isolation of Acholeplasmatales from rabbit faeces. Angulo AF, et al. **Lab Anim** 1987 Jul;21(3):201–4

Tularemia—New Jersey. **MMWR** 1986 Dec 5;35(48):747–8, 753

Malignant catarrhal fever: experimental transmission of the 'sheep-associated' form of the disease from cattle and deer to cattle, deer, rabbits and hamsters. Reid HW, et al.
Res Vet Sci 1986 Jul;41(1):76–81

Staphylococcosis in rabbits [letter] Carolan MG. **Vet Rec** 1986 Oct 18;119(16):412

[Aerobic bacterial flora of the nasal cavity of rabbits] Duclos P, et al. **Ann Rech Vet** 1986;17(2):185–90 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Efficacy of salinomycin, monensin and lasalocid against spontaneous eimeria infection in rabbits. Pakandl M.
Folia Parasitol (Praha) 1986;33(3):195–8

Effect of host resistance on the feeding and reproductive performance of Haemaphysalis punctata and Ixodes ricinus ticks. Alani AJ, et al. **Res Vet Sci** 1987 Mar;42(2):238–43

Effect of Haemaphysalis punctata infestation on growing lambs and rabbits. Alani AJ, et al. **Res Vet Sci** 1987 Mar; 42(2):244–51

Rabbit coccidiosis. Patterson LT. **Vet Hum Toxicol** 1987;29 Suppl 1:73–9

[Effect of Sulfakombin SPOFA on the dynamics of the extent of coccidiosis in small rabbit breeding operations] Dousek J, et al. **Vet Med (Praha)** 1987 Jan;32(1):45–52 (Eng. Abstr.) **(Cze)**

[A review of various parasites of rabbits] Madsen M.
Nord Vet Med 1986 Nov-Dec;38(6):333–51 (Eng. Abstr.) **(Dan)**

[Experimental studies on the course and consequences of infection with Graphidium strigosum (Nematoda, Trichostrongylidae) in Oryctolagus cuniculus (domestic rabbit)] Nickel EA, et al. **Angew Parasitol** 1986 Nov; 27(4):215–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Intracellular lipids in rabbit ear cartilage during tissue regeneration. Labandeira-Garcia J, et al.
Acta Anat (Basel) 1986;127(4):249–54

Surgical thyroparathyroidectomy of the rabbit. Tan SQ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):F761–7

The effect of exposure to direct solar radiation on the semen characteristics of the male rabbit. Salem MH, et al.
Beitr Trop Landwirtsch Veterinarmed 1987;25(2):213–21

The preferred environmental temperature of newborn rabbits. Hull D, et al. **Biol Neonate** 1986;50(6):323–30

The mechanical properties of the rabbit and human cornea. Jue B, et al. **J Biomech** 1986;19(10):847–53

Single adult rabbit and rat cardiac myocytes retain the Ca2+- and species-dependent systolic and diastolic contractile properties of intact muscle. Capogrossi MC, et al. **J Gen Physiol** 1986 Nov;88(5):589–613

Gonadotrophin secretion and pituitary responsiveness to LHRH in castrated and intact male rabbits exposed to different photoperiods. Boyd IL. **J Reprod Fertil** 1987 Mar; 79(2):627–33

Arterial blood gas composition, consciousness and death in rabbits. Hattingh J, et al. **J S Afr Vet Assoc** 1986 Mar; 57(1):13–16

Litter parameters and spontaneous abnormalities in Himalayan rabbits. Lehmann H, et al. **Jikken Dobutsu** 1986 Jul;35(3):321–8

The effect of neuroleptanalgesia on some cardiorespiratory variables in the rabbit. Guerreiro D, et al. **Lab Anim** 1987 Jul;21(3):205–9

Respiratory activity in the superior laryngeal nerve of the rabbit. Tsubone H, et al. **Respir Physiol** 1987 Aug; 69(2):195–207

Influence of superior cervical ganglion stimulation frequency on salivary secretion in the rabbit. Comparative study of parotid and mandibular glands. Moreno M, et al. **Rev Esp Fisiol** 1986 Dec;42(4):489–95

[Measurement of ovulation rate in rabbits by celioscopy] Theau-Clement M, et al. **Reprod Nutr Dev** 1987;27(3):701–5 (Eng. Abstr.) **(Fre)**

[Orienting studies on the ovulation-inducing effect of the gonadotrophin-releasing analog D-Phe6-LH-RH in rabbits] Bechstedt U, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):285–92 (Eng. Abstr.) **(Ger)**

[The circadian rhythm of rabbits in light-dark alternation, in the absence of time indicators and in time-restricted feeding] Jilge B. **DTW** 1987 Jan 8;94(1):18–23 (Eng. Abstr.) **(Ger)**

[Use of a luteolytic prostaglandin in rabbit meat production] Lammers HJ, et al. **DTW** 1987 Jul–Aug;94(7):410–2 (Eng. Abstr.) **(Ger)**

[Meiosis in fowl and laboratory mammals in late prophase and metaphase stages] Lange R, et al. **Zentralbl Veterinarmed [A]** 1987 May;34(5):326–38 (Eng. Abstr.) **(Ger)**

[Measurement of mucociliary clearance in dogs and rabbits in vivo] Vitting C, et al. **Zentralbl Veterinarmed [A]** 1986 Sep;33(7):523–33 (Eng. Abstr.) **(Ger)**

RABIES

Rabies. Kauffman FH, et al. **Am J Emerg Med** 1986 Nov; 4(6):525–31 (34 ref.)

Symposium on rabies and brucellosis in Mediterranean countries and the Arab peninsula. Montpellier, 4–6 November 1985. Abstracts. **Comp Immunol Microbiol Infect Dis** 1986;9(1):1–11

DIAGNOSIS

Current status of rabies. Khan MA, et al. **Int J Zoonoses** 1986 Dec;13(4):215–29 (110 ref.)

A rapid rabies enzyme immuno-diagnosis (RREID): a useful and simple technique for the routine diagnosis of rabies. Perrin P, et al. **J Biol Stand** 1986 Jul;14(3):217–22

Serodiagnosis of rabies by dot immunobinding assay. Heberling RL, et al. **J Clin Microbiol** 1987 Jul;25(7):1262–4

Myoedema as a clinical sign in paralytic rabies [letter] Hemachudha T, et al. **Lancet** 1987 May 23;1(8543):1210

Early detection in atypical presentations of rabies. Thomas MJ, et al. **Trop Doct** 1986 Oct;16(4):189

[An unusual experience. 2 atypical cases of rabies] van der Kuip EJ. **Tijdschr Diergeneeskd** 1987 Mar 15;112(6):371–3 **(Dut)**

[Rapid technics for the laboratory diagnosis of rabies] Sureau P. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):183–97 **(Fre)**

[Usefulness of the indirect immunofluorescence method in the serological diagnosis of rabies] Seroka D, et al. **Med Dosw Mikrobiol** 1986;38(3):176–81 (Eng. Abstr.) **(Pol)**

[Evaluation of an antirabies conjugate by titration using various fluorescent microscopes] Larghi OP, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan–Feb;28(1):2–5 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Rabies virus infection: genetic mutations and the impact on viral pathogenicity and immunity. Wunner WH, et al. **Contrib Microbiol Immunol** 1987;8:103–24 (64 ref.)

Hydrophobia in a case of viral hepatitis. Anand AC, et al. **J Assoc Physicians India** 1986 Apr;34(4):294–6

Avianized rabies virus infection in mice. Takehara K. **Nippon Juigaku Zasshi** 1986 Aug;48(4):675–84

[Does rabies return by air to the Scandinavian countries?] Brummer-Korvenkontio M. **Nord Med** 1986; 101(8–9):220–2 (Eng. Abstr.) **(Swe)**

FAMILIAL & GENETIC

[Genetic resistance to rabies infection. Trial of demonstrating the heritability of resistance to the infection (preliminary evaluation on a murine model)] Blancou J, et al. **C R Soc Biol (Paris)** 1986;180(3):364–71 (Eng. Abstr.) **(Fre)**

HISTORY

Louis Pasteur and "le rage"—100 years ago.Malkin H. **Perspect Biol Med** 1986 Autumn;30(1):40–6

[Past, present and future of the specific prophylaxis of hydrophobia (on the centenary of the 1st Pasteur antirabies inoculation)] Selimov MA. **Vopr Virusol** 1986 May-Jun; 31(3):370–4 **(Rus)**

[Alivizatos and Hempt—their contribution to the study of rabies in Yugoslavia and the world] Petrović M. **Med Pregl** 1986;39(9–10):489–93 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

Early antibody responses to rabies post-exposure vaccine regimens. Suntharasamai P, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):160–5

[Counterimmunoelectrophoresis for the determination of anti-rabies antibodies] Díaz AM, et al. **Bol Of Sanit Panam** 1986 Sep;101(3):255–62 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Persistent infection with rabies virus] Takehara K. **Uirusu** 1986 Jun;36(1):113–8 (82 ref.) **(Jpn)**

[Long-term persistence of the rabies virus at inoculation sites in an experiment on hibernating rodents] Botvinkin AD, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):504–6 **(Rus)**

OCCURRENCE

An epizootic of rabies in Maryland, 1982–84. Beck AM, et al. **Am J Public Health** 1987 Jan;77(1):42–4

Incidence of rabies and post-exposure treatment in developing countries. Bögel K, et al. **Bull WHO** 1986; 64(6):883–7

Rabies in Canada in 1985. **Can Med Assoc J** 1987 Jun 15; 136(12):1277–80

Hydrophobia cases and post-exposure anti-rabic vaccines in Ranchi, Bihar (1979–84). Narayan KG, et al. **Int J Zoonoses** 1986 Mar;13(1):63–9

Bat rabies in Denmark [letter] [published erratum appears in Lancet 1987 Mar 7;1(8532):580] Grauballe PC, et al. **Lancet** 1987 Feb 14;1(8529):379–80

Epidemiology of rabies in northern Nigeria. Ezeokoli CD, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):268–72

Rabies. Perry BD. **Vet Clin North Am [Small Anim Pract]** 1987 Jan;17(1):73–89 (61 ref.)

[Rabies from the viewpoint of the clinician and veterinarian] Haasová L, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Feb;36(1):54–9 (Eng. Abstr.) **(Cze)**

[Rabies in bats in Denmark. Occurrence, significance and instruction rules] Zoffmann H, et al. **Ugeskr Laeger** 1987 Jun 8;149(24):1643–7 **(Dan)**

[Veterinary Chief Inspection of Public Health. Rabies in bats] **Tijdschr Diergeneeskd** 1987 Jul 1;112(13):809–10 **(Dut)**

[The development of rabies in Tunisia from 1982 to 1986] Chadli A, et al. **Arch Inst Pasteur Tunis** 1987 Jan–Apr; 64(1–2):45–57 (Eng. Abstr.) **(Fre)**

[Rabies in Tunisia. Analysis of the results of the last 34 years] Chadli A. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):15–34 **(Fre)**

[Rabies and activity of the antirabies center in the province of Mantua] Corti M, et al. **Minerva Med** 1987 Jan 15; 78(1):33–42 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Massive necrosis of the brain in rabies. Dolman CL, et al. **Can J Neurol Sci** 1987 May;14(2):162–5

Experimental rabies: ultrastructural quantitative analysis of the changes in the sciatic nerve. Teixeira F, et al. **Exp Mol Pathol** 1986 Dec;45(3):287–93

Pleomorphism of fine structure of rabies virus in human and experimental brain. Manghani DK, et al. **J Neurol Sci** 1986 Sep;75(2):181–93

[Adrenal medullitis in cases of human rabies] Almeida H de O, et al. **Mem Inst Oswaldo Cruz** 1986 Oct-Dec; 81(4):439–42 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Electrophysiological and sleep alterations in experimental mouse rabies. Gourmelon P, et al. **Brain Res** 1986 Nov 19;398(1):128–40

A case of rabies with unusual presentation. Madhusudana SN, et al. **J Indian Med Assoc** 1987 Jan;85(1):15–6

PREVENTION & CONTROL

Rabies pre-exposure prophylaxis using intradermal human diploid cell vaccine: immunologic efficacy and cost-effectiveness in a university medical center and a review of selected literature. Morrison AJ Jr, et al. **Am J Med Sci** 1987 May;293(5):293–7 (22 ref.)

Vaccination against rabies with human diploid cell anti-rabies subcutaneous vaccination (HDVC) [letter] Chavanet P, et al. **Infection** 1986 Jul–Aug;14(4):198–9

Antibody response after a two-year intradermal booster of rabies human diploid cell vaccine. Horman JT, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):185–7

Rabies preexposure prophylaxis with human diploid cell rabies vaccine: a dose-response study. Fishbein DB, et al. **J Infect Dis** 1987 Jul;156(1):50–5

The effect of interferon treatment in rabies prophylaxis in immunocompetent, immunosuppressed, and immunodeficient mice. Marcovistz R, et al. **J Interferon Res** 1987 Feb;7(1):17–27

Human rabies after late administration of purified chicken embryo cell (PCEC) vaccine without hyperimmune serum [letter] Bock HL, et al. **J Med Assoc Thai** 1986 Dec; 69(12):691–2

Leads from the MMWR. Rabies prevention: supplementary statement on the preexposure use of human diploid cell rabies vaccine by the intradermal route. **JAMA** 1987 Feb 27;257(8):1037

Rabies prevention: supplementary statement on the preexposure use of human diploid cell rabies vaccine by the intradermal route. **MMWR** 1986 Dec 12;35(49):767–8

Rabies post-exposure prophylaxis [editorial] Baer GM, et al. **N Engl J Med** 1987 May 14;316(20):1270–2

Fatal rabies encephalitis despite appropriate post-exposure prophylaxis. A case report. Shill M, et al. **N Engl J Med** 1987 May 14;316(20):1257–8

Rabies experiment [letter] Koprowski H, et al. **Nature** 1987 Apr 16–22;326(6114):636

Prospects for rabies control by vaccination [letter] Smith SM. **Nature** 1986 Sep 25–Oct 1;323(6086):300

Rabies prevention in primary care. A four-step approach. Fishbein DB, et al. **Postgrad Med** 1987 Sep 1;82(3):83–90, 93–5

NIH finds Argentine experiment did not break U.S. biotechnology rules [news] Crawford M. **Science** 1987 Jan 16;235(4786):276

Antibody response to suckling mouse brain rabies vaccines for post exposure treatment. Chanthavanich P, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):260–3

Intradermal post-exposure rabies vaccination [letter] Warrell MJ, et al. **Trop Doct** 1986 Apr;16(2):57

An evaluation of second generation tissue culture rabies vaccines for use in man: a four-vaccine comparative immunogenicity study using a pre-exposure vaccination schedule and an abbreviated 2-1-1 postexposure schedule. Vodopija I, et al. **Vaccine** 1986 Dec;4(4):245–8

[Preventive inoculation against rabies] Ji YJ. **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):214 **(Chi)**

[Rabies, an old problem, new solutions. Synthesis] Wolff F. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):139–48 **(Fre)**

[Antirabies vaccination of foxes by mouth] Pastoret PP, et al. **Rev Med Brux** 1987 Apr;8(4):246–9 (Eng. Abstr.) **(Fre)**

[Factors affecting decision making with regard to the vaccination of humans against rabies] Seroka D. **Przegl Epidemiol** 1986;40(3):263–9 (Eng. Abstr.) **(Pol)**

[Epidemiological surveillance of rabies in the administrative sub-regions of the State of São Paulo, Brazil, 1982–1983] Pinto CL, et al. **Rev Saude Publica** 1986 Aug;20(4):288–92 (Eng. Abstr.) **(Por)**

[Antirabies therapy] Toacsen E, et al. **Rev Ig [Bacteriol]** 1986 Oct-Dec;31(4):363–78 **(Rum)**

THERAPY

Rabies [letter] Badenhorst CH, et al. **Crit Care Med** 1987 Jan;15(1):85–6

Study of the protective effect of the primary hamster kidney cell rabies vaccine [letter] Lin FT, et al. **J Infect Dis** 1986 Dec;154(6):1047–8

TRANSMISSION

Bat rabies and the UK [letter] Turner GS, et al. **Lancet** 1987 Mar 28;1(8535):744

Is there a risk to contacts of patients with rabies? Helmick CG, et al. **Rev Infect Dis** 1987 May-Jun;9(3):511–8 (86 ref.)

VETERINARY

Descriptive epidemiology from an epizootic of raccoon rabies in the Middle Atlantic States, 1982–1983. Jenkins SR, et al. **Am J Epidemiol** 1987 Sep;126(3):429–37

Investigation of possible rabies reservoirs in rodents in Nigeria. Okoh AE. **Int J Zoonoses** 1986 Mar;13(1):1–5

Dumb (paralytic) rabies in dogs in Nigeria. Okolo MI. **Int J Zoonoses** 1986 Mar;13(1):11–8

Demonstration of antigenic variation among rabies virus isolates by using monoclonal antibodies to nucleocapsid proteins. Smith JS, et al. **J Clin Microbiol** 1986 Oct; 24(4):573–80

Rabies in South Africa: epidemiological trends for the period 1980–1984. Gummow B, et al. **J S Afr Vet Assoc** 1986 Dec;57(4):231–7

Leads from the MMWR. Rabies in a javelina—Arizona. **JAMA** 1986 Nov 7;256(17):2321

Leads from the MMWR. An imported case of rabies in an immunized dog. **JAMA** 1987 Mar 20;257(11):1454–5

Withdrawal of approval for subcutaneous administration of Norden rabies vaccines for dogs and cats. **MMWR** 1987 Sep 25;36(37):628–9

Compendium of animal rabies control, 1987. Prepared by: the National Association of State Public Health Veterinarians, Inc. **MMWR** 1987 Jan 9;35(53):807–10, 815–8

An imported case of rabies in an immunized dog. **MMWR** 1987 Feb 27;36(7):94–6, 101

Antibody response in cattle to oil emulsion rabies and ephemeral fever vaccines. Cameron CM, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):157–8

Oral immunization and protection of raccoons (Procyon lotor) with a vaccinia-rabies glycoprotein recombinant virus vaccine. Rupprecht CE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7947–50

On the spatial spread of rabies among foxes. Murray JD, et al. **Proc R Soc Lond [Biol]** 1986 Nov 22;229(1255):111–50

Rabies in the State of São Paulo: the rodents question. Summa ME, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan–Feb; 29(1):53–8

Anti-rabies virus IgM in serum and cerebrospinal fluid from rabid dogs. Tingpalapong M, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):550–7

Rabies and other viral diseases. Heuschele WP. **Vet Clin North Am [Food Anim Pract]** 1987 Mar;3(1):45–59

Rabies in Nigeria [letter] Minor R. **Vet Rec** 1986 Aug 30; 119(9):223–4

Levels of vaccine potency used in the successful control of rabies in Buenos Aires, Argentina. Larghi OP, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):389–92

[Serological evaluation of the efficacy of an antirabies vaccine in field dogs in Tunisia] Haddad N. **Ann Rech Vet** 1987;18(1):63–7 (Eng. Abstr.) **(Fre)**

[A case of silent rabies in a preventively vaccinated bitch] Ribot JJ, et al. **Arch Inst Pasteur Madagascar** 1986; 52(1):165–9 **(Fre)**

[Rabies in bats in Lower Saxony] Seidler M, et al. **Berl Munch Tierarztl Wochenschr** 1987 Jun 1; 100(6):199–203 (Eng. Abstr.) **(Ger)**

[Differential postmortem diagnosis of rabies in cats] Jonas D, et al. **Tierarztl Prax** 1986;14(4):527–32 (Eng. Abstr.) **(Ger)**

[Oral vaccination of foxes against rabies in free game areas—a field trial] Schmittdiel E. **Tierarztl Prax** 1986;14(3):397–403 (Eng. Abstr.) **(Ger)**

[Rabies in cattle] Stadtfeld H, et al. **Tierarztl Prax** 1986; 14(3):325–31 (Eng. Abstr.) **(Ger)**

[Laboratory diagnosis of rabies in Rio Grande do Sul, Brazil] Roebe PM, et al. **Bol Of Sanit Panam** 1987 May; 102(5):464–75 (Eng. Abstr.) **(Por)**

[Prediction of the activity of rabies foci based on biotic and climatic factors] Krasil'nikov VR, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):39–42 (Eng. Abstr.) **(Rus)**

RABIES VACCINE

Rabies vaccine production in animal cell cultures. Sureau P. **Adv Biochem Eng Biotechnol** 1987;34:111–28 (114 ref.)

Preparation of & comparison between whole cell & sonicated sheep brain antirabies vaccine. Mehta VK, et al. **Indian J Med Res** 1986 Oct;84:348–52

Hydrophobia cases and post-exposure anti-rabic vaccines in Ranchi, Bihar (1979–84). Narayan KG, et al. **Int J Zoonoses** 1986 Mar;13(1):63–9

Human rabies after late administration of purified chicken embryo cell (PCEC) vaccine without hyperimmune serum [letter] Bock HL, et al. **J Med Assoc Thai** 1986 Dec; 69(12):691–2

Rabies. Perry BD. **Vet Clin North Am [Small Anim Pract]** 1987 Jan;17(1):73–89 (61 ref.)

Effects of corticosteroids mediated immunosuppression on the distribution of rabies vaccine virus in red foxes orally immunized against rabies. Ciachini F, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):628–31

ADMINISTRATION & DOSAGE

Rabies pre-exposure prophylaxis using intradermal human diploid cell vaccine: immunologic efficacy and cost-effectiveness in a university medical center and a review of selected literature. Morrison AJ Jr, et al. **Am J Med Sci** 1987 May;293(5):293–7 (22 ref.)

Humoral and cell-mediated immune responses to various economical regimens of purified Vero cell rabies vaccine. Phanuphak P, et al. **Asian Pac J Allergy Immunol** 1987 Jun;5(1):33–7

The perfect rabies vaccine [letter] Harverson G. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):884

Vaccination against rabies with human diploid cell anti-rabies subcutaneous vaccination (HDVC) [letter] Chavanet P, et al. **Infection** 1986 Jul–Aug;14(4):198–9

Immunologic studies in subjects with a serum sickness-like illness after immunization with human diploid cell rabies vaccine. Warrington RJ, et al. **J Allergy Clin Immunol** 1987 Apr;79(4):605–10

Leads from the MMWR. Rabies prevention: supplementary statement on the preexposure use of human diploid cell rabies vaccine by the intradermal route. **JAMA** 1987 Feb 27;257(8):1037

Withdrawal of approval for subcutaneous administration of Norden rabies vaccines for dogs and cats. **MMWR** 1987 Sep 25;36(37):628–9

Rabies prevention: supplementary statement on the preexposure use of human diploid cell rabies vaccine by the intradermal route. **MMWR** 1986 Dec 12;35(49):767–8

Rabies post-exposure prophylaxis [editorial] Baer GM, et al. **N Engl J Med** 1987 May 14;316(20):1270–2

Fatal rabies encephalitis despite appropriate post-exposure prophylaxis. A case report. Shill M, et al. **N Engl J Med** 1987 May 14;316(20):1257–8

Intradermal post-exposure rabies vaccination [letter] Harverson G. **Trop Doct** 1986 Jul;16(3):119–20

Intradermal post-exposure rabies vaccination [letter] Warrell MJ, et al. **Trop Doct** 1986 Apr;16(2):57

An evaluation of second generation tissue culture rabies vaccines for use in man: a four-vaccine comparative immunogenicity study using a pre-exposure vaccination schedule and an abbreviated 2–1–1 postexposure schedule. Vodopija I, et al. **Vaccine** 1986 Dec;4(4):245–8

Levels of vaccine potency used in the successful control of rabies in Buenos Aires, Argentina. Larghi OP, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):389–92

[Antirabies vaccination of foxes by mouth] Pastoret PP, et al. **Rev Med Brux** 1987 Apr;8(4):246–9 (Eng. Abstr.) **(Fre)**

[Oral vaccination of foxes against rabies in free game areas—a field trial] Schmittdiel E. **Tierarztl Prax** 1986;14(3):397–403 (Eng. Abstr.) **(Ger)**

[Factors affecting decision making with regard to the vaccination of humans against rabies] Seroka D. **Przegl Epidemiol** 1986;40(3):263–9 (Eng. Abstr.) **(Pol)**

[Epidemiological surveillance of rabies in the administrative sub-regions of the State of São Paulo, Brazil, 1982–1983] Pinto CL, et al. **Rev Saude Publica** 1986 Aug;20(4):288–92 (Eng. Abstr.) **(Por)**

[Antirabies therapy] Toacsen E, et al. **Rev Ig [Bacteriol]** 1986 Oct–Dec;31(4):363–78 **(Rum)**

ADVERSE EFFECTS

Facial diplegia following antirabies vaccine [letter] Verma A, et al. **J Assoc Physicians India** 1986 Aug;34(8):603–4

IgE and IgG antibodies to beta-propiolactone and human serum albumin associated with urticarial reactions to rabies vaccine. Swanson MC, et al. **J Infect Dis** 1987 May; 155(5):909–13

Myelin basic protein as an encephalitogen in encephalomyelitis and polyneuritis following rabies vaccination. Hemachudha T, et al. **N Engl J Med** 1987 Feb 12;316(7):369–74

Neurologic complications of Semple-type rabies vaccine: clinical and immunologic studies. Hemachudha T, et al. **Neurology** 1987 Apr;37(4):550–6

Rhesus diploid rabies vaccine (adsorbed): neurological safety in guinea pigs and Lewis rats. Levenbook IS, et al. **Vaccine** 1986 Dec;4(4):225–7

[Neurologic complications of vaccination against rabies. Magnetic resonance imaging in 1 case] Dano P, et al. **Rev Neurol (Paris)** 1987;143(1):55–8 (Eng. Abstr.) **(Fre)**

[Findings on the occurrence of complications caused by DEV and HDVC (delta) vaccines] Mastroeni I, et al. **Boll Ist Sieroter Milan** 1986;65(6):494–501 (Eng. Abstr.) **(Ita)**

[Neurological complications after vaccination against rabies as exemplified by 4 cases from Poznań province] Kowal P. **Neurol Neurochir Pol** 1986 Mar–Apr;20(2):132–6 (Eng. Abstr.) **(Pol)**

HISTORY

[Past, present and future of the specific prophylaxis of hydrophobia (on the centenary of the 1st Pasteur antirabies inoculation)] Selimov MA. **Vopr Virusol** 1986 May–Jun; 31(3):370–4 **(Rus)**

[Alivizatos and Hempt—their contribution to the study of rabies in Yugoslavia and the world] Petrović M. **Med Pregl** 1986;39(9–10):489–93 (Eng. Abstr.) **(Ser)**

IMMUNOLOGY

Early antibody responses to rabies post-exposure vaccine regimens. Suntharasamai P, et al. **Am J Trop Med Hyg** 1987 Jan;36(1):160–5

Enhanced antibody responses in mice by combined administration of interferon with rabies vaccine. Mifune K, et al. **Arch Virol** 1987;94(3–4):287–95

Combined tetanus–rabies vaccination. Léry L, et al. **Dev Biol Stand** 1986;65:209–20

Persistence of rabies antibody 5 years after pre-exposure prophylaxis with human diploid cell antirabies vaccine and antibody response to a single booster dose. Rodrigues FM, et al. **Epidemiol Infect** 1987 Aug;99(1):91–5

The effect of strain differences on the assay of rabies virus glycoprotein by single radial immunodiffusion. Ferguson M, et al. **J Biol Stand** 1987 Jan;15(1):73–7

Human rabies immunoglobulin assayed by the rapid fluorescent focus inhibition test suppresses active rabies immunization. Glück R, et al. **J Biol Stand** 1987 Apr; 15(2):177–83

Evaluation of the single radial-immunodiffusion assay for measuring the glycoprotein content of rabies vaccines. Mayner RE, et al. **J Biol Stand** 1987 Jan;15(1):1–10

Rabies preexposure prophylaxis with human diploid cell rabies vaccine: a dose-response study. Fishbein DB, et al. **J Infect Dis** 1987 Jul;156(1):50–5

Study of the protective effect of the primary hamster kidney cell rabies vaccine [letter] Lin FT, et al. **J Infect Dis** 1986 Dec;154(6):1047–8

Preexposure immunization with intradermal human diploid cell rabies vaccine. Risks and benefits of primary and booster vaccination. Bernard KW, et al. **JAMA** 1987 Feb 27;257(8):1059–63

Neuroimmunology [editorial] Arnason BG. **N Engl J Med** 1987 Feb 12;316(7):406–8

Antibody response in cattle to oil emulsion rabies and ephemeral fever vaccines. Cameron CM, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):157–8

Oral immunization and protection of raccoons (Procyon lotor) with a vaccinia-rabies glycoprotein recombinant virus vaccine. Rupprecht CE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7947–50

Effect of inosiplex on the humoral and cell-mediated immune responses to intradermal human diploid cell rabies vaccine. Sriwanthana B, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):543–9

Antibody response to suckling mouse brain rabies vaccines for post exposure treatment. Chanthavanich P, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):260–3

[Serological evaluation of the efficacy of an antirabies vaccine in field dogs in Tunisia] Haddad N. **Ann Rech Vet** 1987;18(1):63–7 (Eng. Abstr.) **(Fre)**

[Use of the capture antibody method for the detection of the presence of IgM in the sera of persons immunized against rabies] Karpiński S, et al. **Med Dosw Mikrobiol** 1986;38(3):170–5 (Eng. Abstr.) **(Pol)**

[In vivo study of the protective action of the splenocytes from CBA strain mice immunized with an inactivated nonconcentrated rabies vaccine] Gribencha SV, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):691–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

In pursuit of the perfect rabies vaccine [editorial] Gardner SD. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):516–7

[Long-term persistence of the rabies virus at inoculation sites in an experiment on hibernating rodents] Botvinkin AD, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):504–6 **(Rus)**

STANDARDS

Validation of an in vitro assay for the determination of rabies antigen. Barth R, et al. **Dev Biol Stand** 1986;64:87–92

Alternatives for potency testing of veterinary vaccines: rabies vaccine as a model. Bruckner L, et al. **Dev Biol Stand** 1986; 64:93–7

Single radial immunodiffusion assays for the standardization of the antigenic content of rabies vaccines. Ferguson M, et al. **Dev Biol Stand** 1986;64:81–6

Use of the single radial immunodiffusion test as a replacement for the NIH mouse potency test for rabies vaccine. Fitzgerald EA, et al. **Dev Biol Stand** 1986;64:73–9

Comparative studies of two potency tests for antirabies serum: neutralization test in mice (MNT) and rapid fluorescent focus inhibition test (RFFIT). Kurz J, et al. **Dev Biol Stand** 1986;64:99–107

Wistar's export to Argentina [letter] Grigera PR. **Nature** 1986 Dec 18–31;324(6098):610

Rabies vaccine: inquiry into Argentine trials [news] Palca J. **Nature** 1986 Dec 18–31;324(6098):609

THERAPEUTIC USE

Antibody response after a two-year intradermal booster of rabies human diploid cell vaccine. Horman JT, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):185–7

[Preventive inoculation against rabies] Ji YJ. **Chung Hua Hu Li Tsa Chih** 1986 Aug;21(5):214 **(Chi)**

RABIES VIRUS

ANALYSIS

Characterization of rabies virus soluble proteins in mouse brain. Zapata M, et al. **Rev Latinoam Microbiol** 1986 Oct–Dec;28(4):355–61

GENETICS

Rabies virus infection: genetic mutations and the impact on viral pathogenicity and immunity. Wunner WH, et al. **Contrib Microbiol Immunol** 1987;8:103–24 (64 ref.)

Cloning of rabies virus matrix protein mRNA and determination of its amino acid sequence. Rayssiguier C, et al. **Virus Res** 1986 Aug;5(2–3):177–90

GROWTH & DEVELOPMENT

Immune sera and antiglycoprotein monoclonal antibodies inhibit in vitro cell-to-cell spread of pathogenic rabies viruses. Lodmell DL, et al. **J Virol** 1987 Oct;61(10):3314–8

[Persistent infection with rabies virus] Takehara K. **Uirusu** 1986 Jun;36(1):113–8 (82 ref.) **(Jpn)**

[Adaptation of strains of the rabies virus Flury LEP and HEP to primary culture of fibroblasts of the embryo of Japanese quail (Coturnix coturnix japonica)] Seroka D, et al. **Med Dosw Mikrobiol** 1986;38(4):228–33 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Antigenic variation in rabies virus strains. Sodja I. **Acta Virol (Praha)** 1986 Jul;30(4):309–19

Enhanced antibody responses in mice by combined administration of interferon with rabies vaccine. Mifune K, et al. **Arch Virol** 1987;94(3–4):287–95

The demonstration of rabies antigen in paraffin-embedded tissues using the peroxidase-antiperoxidase method: a comparative study. Bourgon AR, et al. **Can J Vet Res** 1987 Jan;51(1):117–20

The association of the rabies glycoprotein with liposome (immunosome) induces an in vitro specific release of interleukin 2. Oth D, et al. **Cell Immunol** 1987 Aug; 108(1):220–6

Validation of an in vitro assay for the determination of rabies antigen. Barth R, et al. **Dev Biol Stand** 1986;64:87–92

Alternatives for potency testing of veterinary vaccines: rabies vaccine as a model. Bruckner L, et al. **Dev Biol Stand** 1986; 64:93–7

Combined tetanus–rabies vaccination. Léry L, et al. **Dev Biol Stand** 1986;65:209–20

Persistence of rabies antibody 5 years after pre-exposure prophylaxis with human diploid cell antirabies vaccine and antibody response to a single booster dose. Rodrigues FM, et al. **Epidemiol Infect** 1987 Aug;99(1):91–5

Antibody response after a two-year intradermal booster of rabies human diploid cell vaccine. Horman JT, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):185–7

The effect of strain differences on the assay of rabies virus glycoprotein by single radial immunodiffusion. Ferguson

M, et al. **J Biol Stand** 1987 Jan;15(1):73–7

Human rabies immunoglobulin assayed by the rapid fluorescent focus inhibition test suppresses active rabies immunization. Glück R, et al. **J Biol Stand** 1987 Apr; 15(2):177–83

The influence of the type of immunosorbent on rabies antibody EIA; advantages of purified glycoprotein over whole virus. Perrin P, et al. **J Biol Stand** 1986 Apr; 14(2):95–102

Serodiagnosis of rabies by dot immunobinding assay. Heberling RL, et al. **J Clin Microbiol** 1987 Jul;25(7):1262–4

Demonstration of antigenic variation among rabies virus isolates by using monoclonal antibodies to nucleocapsid proteins. Smith JS, et al. **J Clin Microbiol** 1986 Oct; 24(4):573–80

Murine T cell clones directed to rabies virus: isolation and some of their properties. Cho S, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1115–23

Axonal transport of rabies virus in the central nervous system of the rat. Gillet JP, et al. **J Neuropathol Exp Neurol** 1986 Nov;45(6):619–34

Preexposure immunization with intradermal human diploid cell rabies vaccine. Risks and benefits of primary and booster vaccination. Bernard KW, et al. **JAMA** 1987 Feb 27;257(8):1059–63

Stimulation of cytotoxic T-lymphocyte responses by rabies virus glycoprotein and identification of an immunodominant domain. Macfarlan RI, et al. **Mol Immunol** 1986 Jul;23(7):733–41

Anti-rabies virus IgM in serum and cerebrospinal fluid from rabid dogs. Tingpalapong M, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):550–7

Antibody response to suckling mouse brain rabies vaccines for post exposure treatment. Chanthavanich P, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):260–3

[Serological evaluation of the efficacy of an antirabies vaccine in field dogs in Tunisia] Haddad N. **Ann Rech Vet** 1987;18(1):63–7 (Eng. Abstr.) **(Fre)**

[Use of the capture antibody method for the detection of the presence of IgM in the sera of persons immunized against rabies] Karpiński S, et al. **Med Dosw Mikrobiol** 1986;38(3):170–5 (Eng. Abstr.) **(Pol)**

[Usefulness of the indirect immunofluorescence method in the serological diagnosis of rabies] Seroka D, et al. **Med Dosw Mikrobiol** 1986;38(3):176–81 (Eng. Abstr.) **(Pol)**

[Detection of rabies virus antibodies in human blood serum by an immunoenzyme method] Botvinkin AD, et al. **Vopr Virusol** 1986 May-Jun;31(3):333–4 (Eng. Abstr.) **(Rus)**

[Evaluation of an antirabies conjugate by titration using various fluorescent microscopes] Larghi OP, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jan–Feb;28(1):2–5 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Epidemiology of rabies virus variants. Differentiation using monoclonal antibodies and discriminant analysis. Rupprecht CE, et al. **Am J Epidemiol** 1987 Aug; 126(2):298–309

Major antigenic groups of rabies virus in Canada determined by anti-nucleocapsid monoclonal antibodies. Webster WA, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):59–69

Comparison of sensitivity of BHK-21 and murine neuroblastoma cells in the isolation of a street strain rabies virus. Rudd RJ, et al. **J Clin Microbiol** 1987 Aug; 25(8):1456–8

Effects of corticosteroids mediated immunosuppression on the distribution of rabies vaccine virus in red foxes orally immunized against rabies. Ciuchini F, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):628–31

[Rabies in bats in Denmark. Occurrence, significance and instruction rules] Zoffmann H, et al. **Ugeskr Laeger** 1987 Jun 8;149(24):1643–7 **(Dan)**

[Veterinary Chief Inspection of Public Health. Rabies in bats] **Tijdschr Diergeneeskd** 1987 Jul 1;112(13):809–10 **(Dut)**

METABOLISM

Binding of rabies virus to purified Torpedo acetylcholine receptor. Lentz TL, et al. **Brain Res** 1986 Dec;387(3):211–9

Membrane carbohydrate requirement for rabies virus binding to chicken embryo related cells. Conti C, et al. **Intervirology** 1986;26(3):164–8

PATHOGENICITY

In vivo studies of pathogenic, immunogenic and protective properties of Roma strain rabies virus recovered from a persistently infected BHK21 cell line. Grassi M, et al. **Microbiologica** 1987 Apr;10(2):217–27

[Aviruient mutants of the rabies virus: change in site III of the glycoprotein] Diallo A. **Ann Rech Vet** 1986;17(1):3–6 (Eng. Abstr.) **(Fre)**

[Comparative assessment of the neurovirulence of vaccinal strains of the rabies virus] Grigor'eva LV, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):613–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Rabies virus infection of cultured rat sensory neurons. Lycke E, et al. **J Virol** 1987 Sep;61(9):2733–41

ULTRASTRUCTURE

Pleomorphism of fine structure of rabies virus in human and experimental brain. Manghani DK, et al. **J Neurol Sci** 1986 Sep;75(2):181–93

RACCOONS

An epizootic of rabies in Maryland, 1982–84. Beck AM, et al. **Am J Public Health** 1987 Jan;77(1):42–4

Occurrence of Baylisascaris procyonis in raccoon populations on military installations in the Washington, D.C. area. Tecec TG. **Milit Med** 1987 Feb;152(2):83–4

Oral immunization and protection of raccoons (Procyon lotor) with a vaccinia–rabies glycoprotein recombinant virus vaccine. Rupprecht CE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7947–50

ANATOMY & HISTOLOGY

Organization of intracortical and commissural connections in somatosensory cortical areas I and II in the raccoon. Herron P, et al. **J Comp Neurol** 1987 Mar 15;257(3):359–71

Demarcations of the mechanosensory projection zones in the raccoon thalamus, shown by cytochrome oxidase, acetylcholinesterase, and Nissl stains. Wiener SI, et al. **J Comp Neurol** 1987 Apr 22;258(4):509–26

Sensory innervation of the raccoon forepaw: 1. Receptor types in glabrous and hairy skin and deep tissue. Turnbull BG, et al. **Somatosens Res** 1986;4(1):43–62

MICROBIOLOGY

Descriptive epidemiology from an epizootic of raccoon rabies in the Middle Atlantic States, 1982–1983. Jenkins SR, et al. **Am J Epidemiol** 1987 Sep;126(3):429–37

PARASITOLOGY

Helminths of the raccoon (Procyon lotor) in western Kentucky. Cole RA, et al. **J Parasitol** 1987 Aug;73(4):762–8

Prevalence and intensity of Trichinella spiralis infection in Illinois wildlife. Snyder DE. **J Parasitol** 1987 Aug; 73(4):874–5

PHYSIOLOGY

Organization of postcranial kinesthetic projections to the ventrobasal thalamus in raccoons. Wiener SI, et al. **J Comp Neurol** 1987 Apr 22;258(4):496–508

Sensory innervation of the raccoon forepaw: 2. Response properties and classification of slowly adapting fibers. Rasmusson DD, et al. **Somatosens Res** 1986;4(1):63–75

RACE RELATIONS

see related
CIVIL RIGHTS

Substance abuse and the legacy of racism [editorial] Jahannes JA. **J Natl Med Assoc** 1987 May;79(5):473–5

Apartheid and the academic boycott of South Africa. McGregor M. **N Engl J Med** 1987 Apr 16;316(16):1022–3

Racial tension and the medical practitioner. Philipp E, et al. **NZ Med J** 1986 Nov 12;99(813):854–6

The state of psychiatry in South Africa today. Dommisse J. **Soc Sci Med** 1987;24(9):749–61

TRENDS

Medicine and health care in South Africa [letter] **N Engl J Med** 1987 Feb 5;316(6):349–50

RACEMASES see under **ISOMERASES**

RACHITIS see **RICKETS**

RACIAL STOCKS

Variation in body stockiness among and within ethnic groups at ages from birth to adulthood. Meredith HV. **Adv Child Dev Behav** 1987;20:1–60 (247 ref.)

Systolic blood pressure differences in black, colored, and white infants. Levin SE, et al. **Am J Epidemiol** 1987 Feb; 125(2):221–30

Influence of race of cadaveric kidney donor and recipient on graft survival: a multifactorial analysis. Weller JM, et al. **Am J Kidney Dis** 1987 Mar;9(3):191–9

Ethnic differences in preterm and very preterm delivery. Shiono PH, et al. **Am J Public Health** 1986 Nov; 76(11):1317–21

Ethnic differences in duration of pregnancy [letter] Duffy SW. **Ann Hum Biol** 1987 Mar–Apr;14(2):191–2

Blood groups and other genetic markers in New Zealand Europeans and Maoris. Woodfield DG, et al. **Ann Hum Biol** 1987 Jan–Feb;14(1):29–37

Ethnic minorities in British diabetic clinics: a questionnaire survey. Goodwin AM, et al. **Diabetic Med** 1987 May–Jun; 4(3):266–9

Comments on the use of blood marker frequency data. Walsh KA, et al. **Forensic Sci Int** 1986 Oct;32(2):131–3

Lactate dehydrogenase, haemoglobins & haptoglobins in three endogamous group of western India. Ishwad CS, et al. **Indian J Med Res** 1986 Oct;84:390–7

Effects of gender and race on prognosis after myocardial infarction: adverse prognosis for women, particularly black women. Tofler GH, et al. **J Am Coll Cardiol** 1987 Mar; 9(3):473–82

Electrocardiographic abnormalities and mortality among middle-aged black men and white men of Evans County, Georgia. Strogatz DS, et al. **J Chronic Dis** 1987; 40(2):149–55

Major gene determination of liability to cleft lip with or without cleft palate: a multiracial view. Marazita ML, et al. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:89–97

Effect of age and serum creatinine on endogenous digoxin-like substances in infants and children. Phelps SJ, et al. **J Pediatr** 1987 Jan;110(1):136–9

Evaluation of fetal femur length for prediction of gestational age in a racially mixed obstetric population. Ruvolo KA, et al. **J Ultrasound Med** 1987 Aug;6(8):417–9

The position of the mental foramen: a comparison between the southern (Hong Kong) Chinese and other ethnic and racial groups. Green RM. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):287–90

RADAR

Exposure survey of civilian airport radar workers in Australia. Joyner KH, et al. **J Microwave Power** 1986; 21(4):209–19

[Biological action and hygienic significance of the electromagnetic field created by coastal radar facilities] Tomashevskaia LA, et al. **Gig Sanit** 1986 Jul;(7):34–6 (Eng. Abstr.) **(Rus)**

UTILIZATION

Putting the brakes on lawbreaking: state bans on radar detectors. Christoffel T. **Am J Public Health** 1987 Apr; 77(4):507–11

RADIAL KERATOTOMY see **KERATOTOMY, RADIAL**

RADIAL NERVE

Idiopathic radial tunnel syndrome. Surgical treatment and nursing care. Bigos DM, et al. **AORN J** 1987 Aug; 46(2):255, 258, 260 passim

Compression neuropathy of the radial nerve due to pentazocine-induced fibrous myopathy. Kim LY. **Arch Phys Med Rehabil** 1987 Jan;68(1):49–50

Radial tunnel syndrome. A ten-year surgical experience. Ritts GD, et al. **Clin Orthop** 1987 Jun;(219):201–5

Radial nerve palsy in nursing home patients: association with immobility and haloperidol. Sloane PD, et al. **J Am Geriatr Soc** 1987 May;35(5):465–6

Sleep palsy (Saturday-night palsy) of the deep radial nerve. Case report. Fernandez E, et al. **J Neurosurg** 1987 Mar; 66(3):460–1

[Compression of the posterior interosseous nerve in the radial tunnel as the cause of elbow pain] Gjerløff CC, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2837–9 (Eng. Abstr.) **(Dan)**

ANATOMY & HISTOLOGY

[The superficiaL branch of the radial nerve. Topographical location. Systematization] Kuhlmann JN, et al. **Bull Assoc Anat (Nancy)** 1985 Dec;69(207):331–41 (Eng. Abstr.) **(Fre)**

INJURIES

Radial palsy in shaft fracture of the humerus. Böstman O, et al. **Acta Orthop Scand** 1986 Aug;57(4):316–9

Radial nerve damage as a complication of elbow arthroscopy. Thomas MA, et al. **Clin Orthop** 1987 Feb;(215):130–1

[The supinator syndrome. Study of the course in 20 patients and therapeutic recommendations] Jürgens R, et al. **Nervenarzt** 1987 Jan;58(1):30–2 (Eng. Abstr.) **(Ger)**

[Late autoplasty of the ulnar nerve and superficial branch of the radial nerve after gunshot injury of the forearm] Grigorovich KA, et al. **Vestn Khir** 1986 Sep;137(9):83–5 **(Rus)**

PHYSIOLOGY

Distribution of evoked paraesthesiae and effectiveness of brachial plexus block. Smith BE. **Anaesthesia** 1986 Nov; 41(11):1112–5

Median and radial sensory latencies to digit I: normal values and usefulness in carpal tunnel syndrome [published erratum appears in Arch Phys Med Rehabil 1987 Jun;68(6):388] Johnson EW, et al. **Arch Phys Med Rehabil** 1987 Mar;68(3):140–1

Radial sensory conduction in the hand. Spindler HA, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):821–3

Origin of the initial negative potential (N15) recorded on the skull by superficial radial nerve stimulation in the cat. Iwayama K, et al. **Neurol Res** 1987 Mar;9(1):30–7

PHYSIOPATHOLOGY

Comparison of median and radial nerve sensory latencies in the electrophysiological diagnosis of carpal tunnel syndrome. Carroll GJ. **Electroencephalogr Clin Neurophysiol** 1987 Mar;68(2):101–6

SURGERY

Results of treatment of recurrent dorsoradial wrist neuromas. Mackinnon SE, et al. **Ann Plast Surg** 1987 Jul;19(1):54–61
Radial nerve cross-finger flap differential nerve contribution in thumb reconstruction. Walker MA, et al. **J Hand Surg [Am]** 1986 Nov;11(6):881–7
Pain after radial sensory nerve grafting. Dellon AL, et al. **J Hand Surg [Br]** 1986 Oct;11(3):341–6
[Pathogenesis and therapy of nontraumatic compressive radial nerve paralyses—report of an unusual case] Reisecker F, et al. **Neurochirurgia (Stuttg)** 1987 Jul; 30(4):127–8 (Eng. Abstr.) (Ger)
[Nontraumatic paralyses of the deep branch of the radial nerve] Herrmann J, et al. **Zentralbl Chir** 1986; 111(17):1066–8 (Ger)

RADIATION

see related
NUCLEAR WARFARE
RADIOACTIVITY

The radiation from an electrically small off-centered loop in a dissipative homogeneous spherical medium. Ko WH, et al. **Ann Biomed Eng** 1974 Sep;2(3):321–5
Simulated biological materials for electromagnetic radiation absorption studies. Hartsgrove G, et al. **Bioelectromagnetics** 1987;8(1):29–36
Radiation and health. Lindell B. **Bull WHO** 1987; 65(2):139–48
Measurement of absorbed dose in water irradiated by 2.5-GeV bremsstrahlung. Ban S, et al. **Health Phys** 1987 Jul;53(1):67–72
Monte Carlo study of electron spectra produced in semi-infinite and finite water phantoms irradiated by photons of energies up to 2 MeV. Pandey LN, et al. **Health Phys** 1987 Aug;53(2):163–74
Survey instrument calibrations in high-energy photon fields [letter] Rogers DW. **Health Phys** 1986 Oct;51(4):555–6
Computing with light. Llaurado JG. **Int J Biomed Comput** 1987 Jan;20(1-2):1–7
The use of an infrared camera for imaging the heating effect of RF applicators. Preece AW, et al. **Int J Hyperthermia** 1987 Mar-Apr;3(2):119–22
The 17th Japan Conference on Radiation and Radioisotopes. September 2–4, 1985, Sankei Kaikan, Tokyo. Abstracts. **Int J Rad Appl Instrum [A]** 1986;37(1):65–98
Model for photon migration in turbid biological media. Bonner RF, et al. **J Opt Soc Am [A]** 1987 Mar;4(3):423–32
Monte Carlo evaluation of kerma at a point for photon transport problems. Williamson JF. **Med Phys** 1987 Jul-Aug;14(4):567–76
On Fano's and O'Connor's theorems. Bjärngard BE. **Radiat Res** 1987 Feb;109(2):184–9
Radiological health attitudes of college students. Weinstein RD. **Radiol Technol** 1978 Nov-Dec;50(3):259–63
[How did the divining rod and soil radiation phenomena become connected with cancer?] Arkko P. **Duodecim** 1986; 102(13):862–71 (Fin)
[Electrophoretic studies on the effect of different types of radiation (60Co, electrons, x-ray, photons, UV) on low-molecular ribonucleic acids] Lickl E, et al. **Strahlenther Onkol** 1987 Aug;163(8):552–6 (Eng. Abstr.) (Ger)

RADIATION BIOLOGY see RADIOBIOLOGY

RADIATION CHIMERA

The provenance of cells in sarcomas induced in chimaeric mice. Ansell JD, et al. **Br J Cancer** 1986 Nov;54(5):853–5
Numbers and dispersion of repopulating hematopoietic cell clones in radiation chimeras as functions of injected cell dose. Micklem HS, et al. **Exp Hematol** 1987 Mar; 15(3):251–7
Characterization studies of suppressor cells in murine bone marrow chimaeras. Imamura M, et al. **Immunology** 1987 Jan;60(1):29–36
The inability of adoptive immunotherapy to eradicate tumor cells in radiation-induced chimeric mice: the possible down-regulation of intratumor immune amplification. Evans R, et al. **Int J Cancer** 1987 Feb 15;39(2):226–31
Epitopes associated with the MHC restriction site of T cells. II. Somatic generation of Ia.1 epitopes on T cells in radiation bone marrow chimeras. Asano Y, et al. **J Exp Med** 1987 Jan 1;165(1):87–96
A study on proliferative responses to host Ia antigens in allogeneic bone marrow chimera in mice: sequential analysis of the reactivity and characterization of the cells involved in the responses. Iwabuchi K, et al. **J Immunol** 1987 Jan 1;138(1):18–25
Suppressor cells detected in murine bone marrow chimeras. Imamura M. **Jpn J Exp Med** 1986 Oct;56(5):221–8
Characterization of xenogeneic mouse-to-rat bone marrow chimeras. I. Examination of hematologic and immunologic function. Wade AC, et al. **Transplantation** 1987 Jul; 44(1):88–92
[A study of proliferative responses to host Ia antigens in fully allogeneic bone marrow chimeras in mice—sequential analysis of the reactivity and characterization of the cells involved in the response] Iwabuchi K. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):869–82 (Eng. Abstr.) (Jpn)
[A study on the veto cells from H-2 recombinant mice and allogeneic bone marrow chimeric mice] Ogasawara M. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):883–91 (Eng. Abstr.) (Jpn)

RADIATION DOSAGE

see related
RADIOTHERAPY DOSAGE

Mammographic grids and breast radiation [letter] Hall FM. **AJR** 1987 Feb;148(2):456–7
Radiation exposure in diagnostic studies. Deluca SA, et al. **Am Fam Physician** 1987 Aug;36(2):101–3
Exposure to ionizing radiation in the emergency department from commonly performed portable radiographs. Grazer RE, et al. **Ann Emerg Med** 1987 Apr;16(4):417–20
Radiation dose reduction on a portable image intensifier digital storage unit. Fleay RF. **Australas Radiol** 1987 Feb; 31(1):88–9
Re: Population exposure and dose limits for the general public [letter] Paix D. **Australas Radiol** 1986 Nov;30(4):354
Experimental estimation of intrauterine fetal irradiation dosage in computed tomography using a Rando Phantom. Guidozzi F, et al. **Br J Obstet Gynaecol** 1987 Jan;94(1):35–7
The use of the effective dose equivalent, HE, as a risk parameter in computed tomography. Huda W, et al. **Br J Radiol** 1986 Dec;59(708):1236–8
The radiation dose to the lens in radiology of the orbit. Montanara A, et al. **Br J Radiol** 1986 Dec;59(708):1171–3
Patient doses received during whole body scanning using an Elscint 905 CT scanner. Murphy F, et al. **Br J Radiol** 1985 Dec;58(696):1197–201
Measurement of radiation dose to the thyroid using positron emission tomography. Ott RJ, et al. **Br J Radiol** 1987 Mar; 60(711):245–51
Patient doses and risks from diagnostic radiology in North-east Italy. Padovani R, et al. **Br J Radiol** 1987 Feb; 60(710):155–65
An investigation into the levels of radiation exposure in diagnostic examinations involving fluoroscopy. Rowley KA, et al. **Br J Radiol** 1987 Feb;60(710):167–73
Rotational panoramic radiography: a comparison radiation doses in the standard and reverse positions. Williams FJ, et al. **Br J Radiol** 1986 Dec;59(708):1219–23
A technique for delivering uniform dose at the junction of two spinal fields. Wu A, et al. **Br J Radiol** 1986 Sep; 59(705):929–30
New estimates of radioactive discharges from Sellafield [letter] Jakeman D. **Br Med J [Clin Res]** 1986 Sep 20; 293(6549):760
Radiation exposure and image quality in computed tomography for hip joint measurements in children. Linnebank F, et al. **Diagn Imag Clin Med** 1986; 55(4-5):210–3
Dosimetric consequences of interstitial extravasation following i.v. administration of a radiopharmaceutical. Shapiro B, et al. **Eur J Nucl Med** 1987;12(10):522–3
Somatic and genetic radiation exposure of the patient in digital subtraction angiography (DSA) [published erratum appears in Eur J Radiol 1987 May;7(2):136] Neufang KF, et al. **Eur J Radiol** 1986 Aug;6(3):222–5
A method of obtaining neutron dose and dose equivalent from digital measurements and analysis of recoil-particle tracks. Bolch WE, et al. **Health Phys** 1987 Sep;53(3):241–53
Europium-152 depth profile of a stone bridge pillar exposed to the Hiroshima atomic bomb: 152Eu activities for analysis of the neutron spectrum. Hasai H, et al. **Health Phys** 1987 Sep;53(3):227–39
Occupational radiation exposures during maintenance activities at nuclear power plants in Japan. Imahori A. **Health Phys** 1987 Mar;52(3):367–70
Comment on prenatal x rays and cancers [letter] Kneale GW. **Health Phys** 1987 Aug;53(2):200
Electron dose-rate conversion factors for external exposure of the skin from uniformly deposited activity on the body surface. Kocher DC, et al. **Health Phys** 1987 Aug; 53(2):135–41
A proposal for a generally applicable de minimis dose. Kocher DC. **Health Phys** 1987 Aug;53(2):117–21
A simple approximation for estimating centerline gamma absorbed dose rates due to a continuous Gaussian plume. Overcamp TJ, et al. **Health Phys** 1987 Aug;53(2):143–6
Estimating individual and collective doses to groups with 'less than detectable' doses: a method for use in epidemiologic studies. Strom DJ. **Health Phys** 1986 Oct; 51(4):437–45
Dose to radiotherapy technologists from activation of patients at a fast neutron therapy facility. Tatcher M, et al. **Health Phys** 1987 Sep;53(3):311–2
Energy dependence of the dose equivalent on the primary proton energy—comparison of CASIM and Moyer model calculations. Yamaguchi C. **Health Phys** 1986 Dec; 51(6):812–4
Use of the finite-difference time-domain method in calculating EM absorption in human tissues. Sullivan DM, et al. **IEEE Trans Biomed Eng** 1987 Feb;34(2):148–57
Model for 82Sr/82Rb generator elution profiles: a secondary approach to radioassay/dosimetry. Dhawan V. **Int J Rad Appl Instrum [A]** 1987;38(3):233–9
A partial decay scheme study of 82Rb and consequences for radiation dose measurements. Judge SM, et al. **Int J Rad Appl Instrum [A]** 1987;38(3):185–90
Measurement of irradiation doses secondary to bedside radiographs in a medical intensive care unit. Boles JM, et al. **Intensive Care Med** 1987;13(1):60–3
Order of magnitude dose reduction in intraoral radiography. Kircos LT, et al. **J Am Dent Assoc** 1987 Mar;114(3):344–7
Radiation exposure to the surgeon during closed interlocking intramedullary nailing. Levin PE, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):761–6
Reevaluation of the newborn thyroid dose from radioiodines. Hedrick WR, et al. **J Nucl Med** 1987 Jul;28(7):1208–9
Thyroid radiation dose in Britain arising from the Chernobyl accident [letter] Tucker A. **Lancet** 1986 Nov 22; 2(8517):1220–1
Comments on "Validity of the concept of separating primary and scatter dose" [letter] Bjärngard BE, et al. **Med Phys** 1986 Sep-Oct;13(5):760–2
Exposure and organ dose estimation in diagnostic radiology. McGuire EL, et al. **Med Phys** 1986 Nov-Dec;13(6):913–6
Synthetic diamonds as in vivo radiation detectors. Nam TL, et al. **Med Phys** 1987 Jul-Aug;14(4):596–601
Differences in electron depth-dose curves calculated with EGS and ETRAN and improved energy-range relationships. Rogers DW, et al. **Med Phys** 1986 Sep-Oct; 13(5):687–94
Extension of Fourier methods to the calculation of effective depths in heterogeneous media of arbitrary contour. Starkschall G. **Med Phys** 1986 Nov-Dec;13(6):925–7
A collaborative exercise on cytogenetic dosimetry for simulated whole and partial body accidental irradiation. Lloyd DC, et al. **Mutat Res** 1987 Aug;179(2):197–208
Whose red face? [editorial] **Nature** 1987 Jun 4–10; 327(6121):354
Dosimetric mapping inside Biorack on D1. Bücker H, et al. **Naturwissenschaften** 1986 Jul;73(7):425–7
Relations between effective dose equivalent and mean absorbed dose (energy imparted) to patients in diagnostic radiology. Carlsson GA, et al. **Phys Med Biol** 1986 Aug; 31(8):911–21
Conversion factor f for X-ray beam qualities, specified by peak tube potential and HVL value. Seuntjens J, et al. **Phys Med Biol** 1987 May;32(5):595–603
Calculating the mean inactivation dose [letter] Taylor J. **Radiat Res** 1986 Oct;108(1):112
Radiation dose to personnel working with single photon emission computed tomography (SPECT). Fraxedas R, et al. **Radiol Diagn (Berl)** 1986;27(5):615–9
Radiation exposure information. Stears JG, et al. **Radiol Technol** 1986 Sep-Oct;58(1):31–2
Potential radiation hazards to personnel during dynamic CT [letter] Kaczmarek RG, et al. **Radiology** 1986 Dec; 161(3):853
Absorbed breast dose: dependence on radiographic modality and technique, and breast thickness. Skubic SE, et al. **Radiology** 1986 Oct;161(1):263–70
The effect of small radiation doses per fraction on mouse lip mucosa assessed using the concept of partial tolerance. Ang KK, et al. **Radiother Oncol** 1987 Jan;8(1):79–86
Prevention of acute radiation damage in the rat rectum by protracted fractionated irradiation. Dewit L. **Radiother Oncol** 1987 Apr;8(4):369–71
Lack of differential sparing of late ischaemic atrophy and early epidermal healing, after dose fractionation of mouse tails down to 2.6 Gy per fraction. Hendry JH. **Radiother Oncol** 1987 Feb;8(2):153–60
The "Ring" method: a semi-empirical method to calculate dose distributions of irregularly shaped photon beams. Jacobs FW, et al. **Radiother Oncol** 1986 Dec;7(4):363–9 (18 ref.)
Extension of the reciprocal dose analysis to the case of multiple fractions plus top-up. Joiner MC. **Radiother Oncol** 1986 Dec;7(4):349–51
The effects of dose-fractionation on radiation-induced heart disease in rats. Lauk S, et al. **Radiother Oncol** 1987 Apr; 8(4):363–7
Experimental verification of the air kerma to absorbed dose conversion factor Cw,u. Mijnheer BJ, et al. **Radiother Oncol** 1987 Jan;8(1):49–56
Consistency and simplicity in the determination of absorbed dose to water in high-energy photon beams: a new code of practice. Mijnheer BJ, et al. **Radiother Oncol** 1986 Dec; 7(4):371–84 (30 ref.)
Effect of field irregularities on the dose distribution of 4 MV photon beam. Niroomand-Rad A, et al. **Radiother Oncol** 1987 Jan;8(1):43–8
Lens dosimetry of radiotherapy treated patients: punctate lens opacity increase as a possible index of radiation exposure. Arcovito G, et al. **Rays** 1987 Jan-Apr;12(1):89–96
Reduction of body doses in rotational panoramic radiography by means of reduced beam width in combination with rare earth intensifying screens. Aagaard A, et al. **Scand J Dent Res** 1986 Dec;94(6):530–5
Chernobyl radiation dose [letter] Goldman M. **Science** 1987 Aug 7;237(4815):575
Effective dose equivalent from intraoral radiography. Stenström B, et al. **Swed Dent J** 1987;11(1-2):71–7
Energy imparted from intraoral radiography. Stenström B, et al. **Swed Dent J** 1986;10(4):125–36
Dose contributions to the Swedish population from oral radiography. Stenström B. **Swed Dent J [Suppl]** 1986; 40:1–62
[Collective radiation dosage due to radiodiagnostic practice in France in 1982. Methodology. 1] Fagnani F, et al.

J Radiol 1986 Oct;67(10):745–53 (Eng. Abstr.) **(Fre)**
[Collective irradiation caused by radio-diagnostic procedures in France in 1982. Results (2)] Maccia C, et al.
J Radiol 1986 Nov;67(11):807–14 (Eng. Abstr.) **(Fre)**
[Ureteral dosimetry during gynecological curietherapy. Possible effects on the occurrence of postoperative ureteral complications] Dauplat J, et al. **J Urol (Paris)** 1987; 93(3):123–7 (Eng. Abstr.) **(Fre)**
[Effective equivalent dose and radiation risk in nuclear medical diagnosis—an estimation based on patients at the Nuclear Medical Clinic of the Carl Gustav Carus Medical Academy, Dresden] Woller P, et al.
Radiobiol Radiother (Berl) 1986;27(4):393–400 (Eng. Abstr.) **(Ger)**
[Image quality and radiation dosage in thoracic radiography of children] Schumacher R. **Rontgenpraxis** 1986 Aug; 39(8):259–64 **(Ger)**
[On G. Poretti's paper "Units and dosimetry of radioactive elements" (letter)] Walter M. **Schweiz Med Wochenschr** 1987 Jan 24;117(4):142–3 **(Ger)**
[Radiographic study of the thorax. Evaluation of doses administered to the patient] Orsini S, et al. **Med Lav** 1987 Mar–Apr;78(2):105–11 (Eng. Abstr.) **(Ita)**
[Estimation of radiation dose produced by impurities in nuclear medicine studies using Tl-201 chloride] Bergamini C, et al. **Radiol Med (Torino)** 1986 Sep;72(9):656–9 (Eng. Abstr.) **(Ita)**
[Dose estimation by electron spin resonance (ESR) of the tooth enamel of radiologic technologists]
Tatsumi-Miyajima J, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1987 Mar 25; 47(3):524–30 (Eng. Abstr.) **(Jpn)**
[Leakage neutrons and X-rays in a therapeutic microtron facility] Ishimatsu K, et al. **Radioisotopes** 1986 Jul; 35(7):375–8 (Eng. Abstr.) **(Jpn)**
[Evaluation of additional absorbed radiation dose from radioactive impurities in radiopharmaceuticals] Muto T. **Radioisotopes** 1986 Jun;35(6):321–4 (Eng. Abstr.) **(Jpn)**
[Exposure dose of digital subtraction angiography—patient's dose and angiographer's dose] Nitatori T, et al.
Rinsho Hoshasen 1986 Oct;31(10):1159–62 **(Jpn)**
[Method and results of calculating the effective equivalent dose from strontium-90 and cesium-137 in food] Prokof'ev ON. **Gig Sanit** 1987 May;(5):61–3 **(Rus)**
[Distribution of absorbed dose of electron beams from a linear accelerator of 8–17.5 MeV energy] Kozlov AP, et al.
Med Radiol (Mosk) 1987 Apr;32(4):65–71 (Eng. Abstr.) **(Rus)**
[Equivalent doses in x-ray studies] Stavitskiĭ RV, et al.
Med Radiol (Mosk) 1987 Jul;32(7):49–53 (Eng. Abstr.) **(Rus)**
[Remote sequelae of the effects of small doses of ionizing radiation on humans] Brilliant MD, et al. **Ter Arkh** 1987; 59(6):3–8 **(Rus)**

INSTRUMENTATION

Re: Accidental short in a Farmer Dosemeter Type 2570 [letter] Amies C, et al. **Australas Phys Eng Sci Med** 1987 Jan–Mar;10(1):51

STANDARDS

Possibilities and limits for applying the concept of collective dose. A recommendation of the Commission for Radiological Protection of the Federal Republic of Germany. Kaul A, et al. **Health Phys** 1987 Jul;53(1):9–10
Calculation of the estimated collective effective dose equivalent (SE) due to x-ray diagnostic examinations—estimate of the SE in Finland. Rannikko S, et al. **Health Phys** 1987 Jul;53(1):31–6
Effects of varying geometry on dose calibrator response: cobalt-57 and technetium-99m. Calhoun JM, et al.
J Nucl Med 1987 Sep;28(9):1478–83

RADIATION EFFECTS

Radioactivity in the service of humanity. Yalow RS.
Ala J Med Sci 1986 Oct;23(4):447–53
A shocking American report with lessons for all [editorial] Hamblin TJ. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):73
Radiation hormesis. The Conference on Radiation Hormesis. Oakland, CA, 14–16 August 1985. Proceedings.
Health Phys 1987 May;52(5):519–678
Microdosimetric concepts applied to hormesis. Bond VP, et al. **Health Phys** 1987 May;52(5):659–61
Health effects of ionizing radiation: Dr. Sagan's paradigms [letter] Gofman JW. **Health Phys** 1987 May;52(5):679–80
Dose-response analyses among atomic bomb survivors exposed to low-level radiation. Kato H, et al.
Health Phys 1987 May;52(5):645–52
Does radiation exposure produce a protective effect among radiologists? Matanoski GM, et al. **Health Phys** 1987 May; 52(5):637–43
Critical values of linear energy transfer, dose rates and doses for radiation hormesis. Okamoto K. **Health Phys** 1987 May; 52(5):671–4
What is hormesis and why haven't we heard about it before? Sagan LA. **Health Phys** 1987 May;52(5):521–5
Physiology of the hormetic effect. Totter JR.
Health Phys 1987 May;52(5):549–51
Abstracts of the 20th annual meeting of the European Society for Radiation Biology. Pisa, 15–19 September 1986.
Int J Radiat Biol 1987 Apr;51(4):731–59
Abstracts of the 20th annual meeting of the European Society for Radiation Biology. Pisa, 15–19 September 1986.
Int J Radiat Biol 1987 May;51(5):907–40
The European Late Effects Project (EULEP) symposium on effects after combined exposure to ionizing radiation and chemical substances. Pisa, Italy, 19 September 1986. Proceedings. **Int J Radiat Biol** 1987 Jun;51(6):959–1110
The design and interpretation of 'top-up' experiments to investigate the effects of low radiation doses. Joiner MC. **Int J Radiat Biol** 1987 Jan;51(1):115–30
Dose-effect relationships and general mechanisms of combined exposures. Streffer C, et al. **Int J Radiat Biol** 1987 Jun;51(6):961–9 (24 ref.)
Abstracts of the twenty-ninth annual meeting of the Japan Radiation Research Society. Kanazawa, October 7–9,1986. **J Radiat Res (Tokyo)** 1987 Mar;28(1):1–108
Computer simulation of radiation-induced late effects by "system dynamics".Aoyama T, et al.
J Radiat Res (Tokyo) 1986 Jun;27(2):230–9
Uncertainty and relative risks of radiation exposure. Adelstein SJ. **JAMA** 1987 Aug 7;258(5):655–7
Physicians' obligations in radiation issues. Loken MK.
JAMA 1987 Aug 7;258(5):673–6
Some contributions to science by the Radiation Effects Research Foundation (Formerly the Atomic Bomb Casualty Commission). Miller RW. **Jpn J Cancer Res** 1986 Oct;77(10):1050–3
A search for radiosensitive mouse mutants by use of the micronucleus technique. van Buul PP, et al. **Mutat Res** 1987 Jul–Aug;191(3–4):163–9
VUV absorption and its relation to the effects of ionizing corpuscular radiation. Inokuti M. **Photochem Photobiol** 1986 Sep;44(3):279–85
A model of ion track structure based on classical collision dynamics. Kiefer J, et al. **Phys Med Biol** 1986 Nov; 31(11):1201–9
Microdosimetric investigation of a fast neutron radiobiology facility utilising the d(4)–9Be reaction. Waker AJ, et al. **Phys Med Biol** 1986 Nov;31(11):1281–90
The survival response of a biological system to mixed radiations. Lam GK. **Radiat Res** 1987 May;110(2):232–43
Enhancement of X-ray-induced sister chromatid exchanges in hypoxic cells. Tofilon PJ, et al. **Radiat Res** 1987 Mar; 109(3):449–55
[Uncertainties about the risks of ionizing radiation in perspective] Barendsen GW. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1298–9 **(Dut)**
[Radiation burden of medical personnel during heart catheterization] Bultman J, et al. **Ned Tijdschr Geneeskd** 1987 Apr 11;131(15):620–4 (Eng. Abstr.) **(Dut)**
[Radiation burden; keeping one's distance is best] Ruijs JH. **Ned Tijdschr Geneeskd** 1987 Apr 11;131(15):612–3 **(Dut)**
[Effect of small radiation doses] Fuchs G.
Radiobiol Radiother (Berl) 1986;27(4):401–5 (Eng. Abstr.) **(Ger)**
[Physical mechanisms and patterns of the biological action of Auger emitters] Stepanenko VF, et al.
Izv Akad Nauk SSSR [Biol] 1987 Mar–Apr;(2):213–25 (Eng. Abstr.) **(Rus)**
[Biological effect of human ultraviolet irradiation] Zubkova IV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):66–70 (54 ref.) **(Rus)**
[Man and radioactive radiation] Marinkov S. **Med Pregl** 1986; 39(5–6):209–13 **(Scr)**

RADIATION GENETICS

Genetically significant diagnostic X-ray dose in The Netherlands. Beentjes LB, et al. **Diagn Imag Clin Med** 1986; 55(6):360–3
Lethal and mutagenic effects of 252Cf radiation in cultured human cells. Ban S, et al. **Int J Radiat Biol** 1987 Aug; 52(2):245–51
Genetic effects of combined chemical–X-ray treatments in male mouse germ cells. Cattanach BM, et al.
Int J Radiat Biol 1987 Jun;51(6):985–96 (44 ref.)
[Role of DNA damage in the formation of radiation damage to chromosomes] Ganassi EE, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):616–25 (67 ref.) (Eng. Abstr.) **(Rus)**
[Change in the initiation of DNA synthesis on the nuclear matrix and its DNA-protein composition in gamma-irradiated hepatoma cells] Kutsyĭ MP, et al.
Radiobiologiia 1986 Sep–Oct;26(5):668–71 (Eng. Abstr.) **(Rus)**
[Spectrum of formation of photo- and non-photoreactivated damage in E. coli cells irradiated with UV light (250–334 nm)] Malinova IV, et al. **Radiobiologiia** 1986 Sep–Oct; 26(5):611–5 (Eng. Abstr.) **(Rus)**
[Inhibition by diphenols of the induction of micronuclei by gamma-radiation] Pashin IuV, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):695–7 (Eng. Abstr.) **(Rus)**

RADIATION INJURIES

Incidence, risk factors, and morphology in operating microscope light retinopathy. Khwarg SG, et al.
Am J Ophthalmol 1987 Mar 15;103(3 Pt 1):255–63
Ocular neuromyotonia after radiation therapy [published erratum appears in Am J Ophthalmol 1987 Feb 15;103(2):253] Lessell S, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):766–70
Human effects following exposure to ionizing radiation. The accident at Chernobyl—the data from Hiroshima and Nagasaki [editorial] Johnson ML. **Arch Dermatol** 1986 Dec; 122(12):1380–2
Reiter's syndrome after radiotherapy for prostatic carcinoma [letter] Stevens H, et al. **Br J Rheumatol** 1986 Nov; 25(4):417–8
Radiation and health. Lindell B. **Bull WHO** 1987; 65(2):139–48
Pathologic Malgaigne fracture following pelvic irradiation. A case report. Jones AR, et al. **Clin Orthop** 1987 Aug; (221):226–30
Postradiation slipped capital femoral epiphyses (SCFE). Sabio H, et al. **J Surg Oncol** 1987 Sep;36(1):45–7
Polycythemia vera among participants of a nuclear weapons test [letter] **JAMA** 1987 Mar 6;257(9):1178–9
Radiation emergencies and the practicing physician [editorial] Hendee WR, et al. **JAMA** 1987 Aug 7;258(5):677
Molecular characterization of 15 rearrangements among 90 human in vivo somatic mutants shows that deletions predominate. Bradley WE, et al. **Mol Cell Biol** 1987 Feb; 7(2):956–60
Hyperbaric oxygen in the treatment of radiation-induced optic neuropathy. Guy J, et al. **Ophthalmology** 1986 Aug; 93(8):1083–8
Nuclear winter and the longer-term consequences of nuclear war. Geiger HJ, et al. **Prev Med** 1987 May;16(3):308–18
The short-term effects of nuclear war: the medical legacy of Hiroshima and Nagasaki. Pastore JO. **Prev Med** 1987 May;16(3):293–307
Spontaneous rupture of the urinary bladder—delayed sequel of pelvic irradiation. A case report. Schein M, et al.
S Afr Med J 1986 Dec 20;70(13):841–2
The role of irradiation [letter] Cole BS. **West J Med** 1987 May;146(5):622
[Late effects of irradiation and the possible consequences of nuclear war] Dienstbier Z. **Cas Lek Cesk** 1987 Jan 23; 126(4):97–9 **(Cze)**
[Coronary stenosis after radiotherapy. Clinical study of 5 cases and review of the literature] Pucheu A, et al.
Arch Mal Coeur 1986 Oct;79(11):1609–15 (Eng. Abstr.) **(Fre)**
[Combination of bilateral pelvic lymphadenectomy, permanent iodine-125 implantation and percutaneous irradiation of localized prostate carcinoma. 2: Discussion and conclusions] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar;163(3):176–84 (Eng. Abstr.) **(Ger)**
[Radiation-induced intestinal injuries] Frasson P, et al.
Minerva Med 1987 Mar 31;78(6):355–60 (Eng. Abstr.) **(Ita)**
[Indicators of nonspecific defense and immunity in gamma-defectoscope operators] Shubik VM, et al.
Gig Tr Prof Zabol 1986 Nov;(11):19–22 (Eng. Abstr.) **(Rus)**
[Current problems in the prevention, diagnosis and treatment of radiation sickness] Gus'kova AK. **Med Radiol (Mosk)** 1986 Sep;31(9):3–8 (26 ref.) **(Rus)**
[Prognostication of late radiation injuries of the bladder and rectum in patients with cancer of the cervix uteri] Zharinov GM. **Med Radiol (Mosk)** 1986 Dec;31(12):70–2 (Eng. Abstr.) **(Rus)**
[Late radiation injuries of lungs after combined therapy in breast cancer] Zorina LA, et al. **Med Radiol (Mosk)** 1986 Oct;31(10):33–7 (Eng. Abstr.) **(Rus)**
[Complications affecting the urinary tract after radiation and combined therapy of patients with cancer of the bladder] Pronin VI, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):42–5 (Eng. Abstr.) **(Rus)**

BLOOD

Serum TSH, thyroglobulin, and thyroidal disorders in atomic bomb survivors exposed in youth: 30-year follow-up study. Morimoto I, et al. **J Nucl Med** 1987 Jul;28(7):1115–22

COMPLICATIONS

Growth, growth hormone secretion and somatomedin C after cranial irradiation for acute lymphoblastic leukemia. Brauner R, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:178–82
Hypoplasty of the breast due to x-ray irradiation. Wada H, et al. **Aesthetic Plast Surg** 1986;10(3):137–41
Acute and chronic keratitis with ulceration after corneal exposure to helium ion irradiation. Gerber DS, et al.
Am J Ophthalmol 1987 Aug 15;104(2):189–90
Radiation-induced aneurysm of the basilar artery—a case report. Gomori JM, et al. **Angiology** 1987 Feb;38(2 Pt 1):147–50
Management of radiation-induced accelerated carotid atherosclerosis. Loftus CM, et al. **Arch Neurol** 1987 Jul; 44(7):711–4
Use of the small bowel patch in reconstructive procedures involving irradiated tissue. Mealy K, et al. **Br J Surg** 1986 Dec;73(12):1003
Management of extremity ischemia secondary to radiation therapy. Rosenfeld JC, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):266–9
Apoplectic intracerebral hemorrhage: an unusual complication of cerebral radiation necrosis. Woo E, et al.
Pathology 1987 Jan;19(1):95–8
The severity of late skin damage related to fraction size in women treated by radiotherapy after mastectomy. Morgan

SA, et al. **Radiother Oncol** 1987 Apr;8(4):315–9
[Single closure of a post-irradiation rectovesicovaginal fistula] Skácel V, et al. **Rozhl Chir** 1986 Nov;65(11):753–7 (Eng. Abstr.) (Cze)
[Post-radiotherapy retinopathy] Moyenin P, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):497–8, 503–9 (Fre)
[Rare complication of radiation arteritis. Rupture of the common iliac artery] Lautard M, et al. **Chirurgie** 1986; 112(6):468–71 (Eng. Abstr.) (Fre)
[Suprascapular and axillary subcutaneous emphysema after perforation of a pharyngolaryngeal cancer] Sagui M, et al. **J Radiol** 1986 Nov;67(11):827–8 (Eng. Abstr.) (Fre)
[Iodine 131: biokinetics, radiation exposure and risk assessment with reference to the reactor accident at Chernobyl] Moser E, et al. **ROFO** 1987 Jun;146(6):711–6 (Eng. Abstr.) (Ger)
[Radiation myelopathy aggravated by secondary irradiation] Kasperek S. **Przegl Lek** 1986;43(5):428–9 (Pol)
[Small intestine obstruction in late radiation enterocolitis] Kurpresheva AK, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):70–3 (Rus)

DIAGNOSIS

Radiation effects on cerebral white matter: MR evaluation. Tsuruda JS, et al. **AJR** 1987 Jul;149(1):165–71
Assessment of malaise in cancer patients treated with radiotherapy. Kobashi-Schoot JA, et al. **Cancer Nurs** 1985 Dec;8(6):306–13
The report of the results of the fifth medical examination of atomic bomb survivors resident in the United States and Canada. Reppun JI. **Hawaii Med J** 1986 Oct;45(10):345–6
Magnetic resonance imaging of cranial radiation lesions. Curran WJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul; 13(7):1093–8
CT and MR imaging of radiation hepatitis. Unger EC, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):264–8
Radiation myelopathy: a review. Goldwein JW. **Med Pediatr Oncol** 1987;15(2):89–95 (56 ref.)
Radiation appendicitis: demonstration with graded compression US. Puylaert JB, et al. **Radiology** 1987 Aug; 164(2):342
Case report 391: Postradiation necrosis of bone (femur) with no evidence of tumor. Datz FL, et al. **Skeletal Radiol** 1986; 15(7):566–9
[Radiation ulcer after radiotherapy of esophageal carcinoma] Yang ZY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul; 8(4):291–3 (Eng. Abstr.) (Chi)
[Developmental x-ray computed tomographic and magnetic resonance studies of swinging frontal cerebral radionecrosis] Garcia-Torres E, et al. **J Radiol** 1987 Jun–Jul;68(6–7):413–20 (Eng. Abstr.) (Fre)
[Diagnosis of radionuclide uptake using a whole body counter] Havlik E, et al. **Acta Med Austriaca** 1986; 13(4–5):99–101 (Eng. Abstr.) (Ger)
[Diagnosis of radionuclide uptake using samples and excretion measurements] Hillbrand E, et al. **Acta Med Austriaca** 1986;13(4–5):115–9 (Eng. Abstr.) (Ger)
[Radiation-induced damage to the large arteries] Bootz F, et al. **HNO** 1987 Jan;35(1):24–6 (Eng. Abstr.) (Ger)
[Diagnosis and therapy of late intestinal radiation sequelae] Winkeltau G, et al. **Leber Magen Darm** 1987 Feb; 17(1):37–8, 41–2, 45–6 (Eng. Abstr.) (Ger)
[Detection of radiogenic lung changes by comparing roentgen image, computerized tomography, scintigraphy and lung function] Mildenberger P, et al. **Med Klin** 1987 Apr 10;82(7–8):259–64 (Eng. Abstr.) (Ger)
[Acute radiation sickness] Vorob'ev AI. **Ter Arkh** 1986; 58(12):3–8 (20 ref.) (Rus)
[Use of dosimeters for the triage of radiation injury victims] Vladimirov VG. **Voen Med Zh** 1986 Nov;(11):17–8 (Rus)
[Importance of scanning in the diagnosis of liver and spleen lesions in lymphogranulomatosis patients following radiation therapy] Kholin VV, et al. **Vrach Delo** 1986 Dec; (12):52–5 (Eng. Abstr.) (Rus)

DRUG THERAPY

Does sucralfate reduce radiation-induced diarrhea? [letter] Henriksson R, et al. **Acta Oncol** 1987 Jan–Feb;26(1):76–7
Topical benzydamine in the treatment of vaginal radiomucositis. Volterrani F, et al. **Int J Tissue React** 1987; 9(2):169–71
Successful management of radiation cystitis with sodium pentosanpolysulfate. Parsons CL. **J Urol** 1986 Oct; 136(4):813–4
[Radiation-induced mucositis: a new indication of sucralfate? (letter)] Théodore C, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):345 (Fre)
[Basic results of a multiyear trial of treating rectal radiation injuries] Kholin VV, et al. **Vopr Onkol** 1987;33(6):76–80 (Eng. Abstr.) (Rus)

ECONOMICS

More compensation in Finland for nuclear accident victims [news] Rich V. **Nature** 1987 Feb 19–25;325(6106):654
[Economic effect of new methods of treating late radiation injuries] Bardychev MS, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):46–9 (Rus)

ETIOLOGY

Effect of radioactive iodine therapy on parotid gland function. Maier H, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):318–24
Radiation enteritis. O'Brien PH, et al. **Am Surg** 1987 Sep; 53(9):501–4
Light-induced maculopathy following penetrating keratoplasty and lens implantation [letter] Cech JM, et al. **Arch Ophthalmol** 1987 Jun;105(6):751
Workplace exposure and reported health in New Zealand diagnostic radiographers. Spicer J, et al. **Australas Radiol** 1986 Aug;30(3):281–6
Radiation reaction enhanced by ifosfamide. Nicoll JJ. **Br J Radiol** 1986 Oct;59(706):1039–41
Radiation-induced long thoracic nerve palsy. Pugliese GN, et al. **Cancer** 1987 Sep 15;60(6):1247–8
Health effects of video display terminals. AMA Council on Scientific Affairs. **Conn Med** 1987 Jun;51(6):387–93 (65 ref.)
Intestinal lymphangiectasia secondary to radiotherapy and chemotherapy. Rao SS, et al. **Dig Dis Sci** 1987 Aug; 32(8):939–42
Interstitial radiotherapy for lingual cancer. Local control rate and complications. Jingu K, et al. **Fukuoka Igaku Zasshi** 1986 Jul;77(7):357–65
Long-term follow-up after accidental gamma irradiation from a 60Co source. Klener V, et al. **Health Phys** 1986 Nov;51(5):601–7
Electrocardiographic changes by thoracic irradiation. Mathur RL, et al. **Indian J Cancer** 1985 Sep;22(3):182–8
Optimization of radiation therapy, III: A method of assessing complication probabilities from dose-volume histograms. Lyman JT, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan; 13(1):103–9
Acute radiation-induced pulmonary damage: a clinical study on the response to fractionated radiation therapy. Mah K, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):179–88
Radiation and chemotherapy induced lung toxicity [editorial] Van Houtte P. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):647–9
Hypothalamic dysfunction following whole-brain irradiation. Mechanick JI, et al. **J Neurosurg** 1986 Oct;65(4):490–4
Potential ocular damage from microwave exposure during electrosurgery: dosimetric survey. Paz JD, et al. **J Occup Med** 1987 Jul;29(7):580–3
Oral complications following radiation therapy: a five-year retrospective report. Schweiger JW. **J Prosthet Dent** 1987 Jul;58(1):78–82
Hypothyroidism following radioiodine treatment of thyrotoxicosis. Staffurth JS. **J R Coll Physicians Lond** 1987 Jan;21(1):55–7
Unsuspected extent of irradiation for ringworm of the scalp in childhood. Kunkler IH. **J R Coll Surg Edinb** 1987 Apr; 32(2):105–6
Radiation-induced bowel damage following treatment for uterine carcinoma [letter] Hudson CN. **J R Soc Med** 1987 May;80(5):327–8
Osteonecrosis, fractures, and protrusio acetabuli secondary to x-irradiation therapy for prostatic carcinoma. Csuka M, et al. **J Rheumatol** 1987 Feb;14(1):165–70
Uncertainty and relative risks of radiation exposure. Adelstein SJ. **JAMA** 1987 Aug 7;258(5):655–7
Landmark perspective: Acute radiation syndrome. Finch SC. **JAMA** 1987 Aug 7;258(5):664–7
Radiation retinopathy [letter] Kinyoun JL, et al. **JAMA** 1987 Aug 7;258(5):610–1
Multiple efforts directed at defining, eliminating excess radiation [news] Merz B. **JAMA** 1987 Aug 7;258(5):577
Studies illuminate hazards of ingested radiation [news] Merz B. **JAMA** 1987 Aug 7;258(5):584
Recall of radiation pneumonitis after intrapleural administration of doxorubicin. Hill AB, et al. **Med J Aust** 1983 Jan 8;1(1):39–40
Neuro-ocular damage in pediatric oncology patients: predictor of long-term visual disability or tool for limiting toxicity? Newman NM, et al. **Med Pediatr Oncol** 1986; 14(5):262–70
Long-term effects of nuclear war. Dienstbier Z. **Med War** 1986 Oct–Dec;2(4):251–4
What is the radiation risk, doctor? [letter] **Nucl Med Commun** 1987 Feb;8(2):122–4
What is the radiation risk, doctor? [editorial] Ackery D. **Nucl Med Commun** 1986 Aug;7(8):567–8
Bladder base dosage in patients undergoing intracavitary therapy. Hunter RD, et al. **Radiother Oncol** 1986 Nov; 7(3):189–97
Late radiation cystitis after treatment for carcinoma of the bladder. Shiels RA, et al. **S Afr Med J** 1986 Dec 6; 70(12):727–8
[Radiation retinopathy after brain irradiation for a bone marrow graft] Binaghi M, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):279–83 (Fre)
[Ureteral dosimetry during gynecological curietherapy. Possible effects on the occurrence of postoperative ureteral complications] Dauplat J, et al. **J Urol (Paris)** 1987; 93(3):123–7 (Eng. Abstr.) (Fre)
[Necrosis of the optic tract, hypothalamus and brain stem after irradiation of a pituitary adenoma with conventional doses] Delattre JY, et al. **Rev Neurol (Paris)** 1986; 142(3):232–7 (Eng. Abstr.) (Fre)
[Biological effects and risks of accidental radionuclide uptake] Fueger GF. **Acta Med Austriaca** 1986; 13(4–5):86–93 (Eng. Abstr.) (Ger)
[Iatrogenic damage in roentgen diagnosis] Vogel H. **Beitr Gerichtl Med** 1986;44:365–9 (Eng. Abstr.) (Ger)
[Radiation burden in high-resolution computerized tomography of the petrous bone] Köster O, et al. **Digitale Bilddiagn** 1986 Dec;6(4):176–80 (Eng. Abstr.) (Ger)
[Chernobyl—an evaluation] Wolf R. **Fortschr Med** 1986 Dec 18;104(47–48):966–9 (Ger)
[Sex behavior following primary radiotherapy of cervix cancer] Lasnik E, et al. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):813–6 (Eng. Abstr.) (Ger)
[Determination of the gonadal dose in radiotherapy with thermoluminescent dosimetry] Kutzner J, et al. **Klin Padiatr** 1987 May–Jun;199(3):239–42 (Eng. Abstr.) (Ger)
[Radiation hazards] Koeppe P. **Lebensversicherungsmedizin** 1986 Nov 1;38(6):153–4 (Ger)
[Natural radiation exposure of the human] Jörgensen RG. **Med Klin** 1987 Apr 24;82(9):330–6 (Ger)
[Cervical radiation myelopathy with spastic paraparesis of the arms. Case report and a review of the literature] Berlit P, et al. **Nervenarzt** 1987 Jan;58(1):40–6 (Eng. Abstr.) (Ger)
[Evaluating the radiation exposure of the population as a sequela of the reactor accident in Chernobyl] Kaul A. **Off Gesundheitswes** 1987 Feb;49(2):71–4 (Eng. Abstr.) (Ger)
[Radiobiological limits in conventional after-irradiation of breast cancer. Addition 1: Estimation of spatial dose distribution in conventional roentgen depth-therapy] Schmidt KP. **Radiobiol Radiother (Berl)** 1986;27(4):441–4 (Ger)
[Radiobiological limits in conventional after-irradiation of breast cancer. Addition 2: Statistical analysis of radiation effects represented in II and III] Tabbert E, et al. **Radiobiol Radiother (Berl)** 1986;27(4):445 (Ger)
[Quantification of radiation-induced genetic risk] Ehling UH. **Strahlenther Onkol** 1987 May;163(5):283–91 (Eng. Abstr.) (Ger)
[Results of radiation therapy in cervix carcinoma with reference to side effects] Kutzner J, et al. **Strahlenther Onkol** 1986 Sep;162(9):549–54 (Eng. Abstr.) (Ger)
[Radiation exposure of the surgeon in percutaneous nephrolithopaxy] Pfab R, et al. **Urologe [A]** 1986 Jul; 25(4):216–9 (Eng. Abstr.) (Ger)
[Reversible functional disorders of the intestinal tract caused by abdominal radiotherapy] Ruppin H, et al. **Z Gastroenterol** 1987 May;25(5):261–9 (Eng. Abstr.) (Ger)
[Risk of radiation exposure and internal medicine] Schüttmann W. **Z Gesamte Inn Med** 1987 May 15; 42(10):261–5 (Eng. Abstr.) (Ger)
[Subacute brain atrophy induced by radiation therapy of malignant brain tumors] Asai A, et al. **Gan No Rinsho** 1987 Jun;33(7):753–61 (Eng. Abstr.) (Jpn)
[Application of the life table method to the estimation of late complications of normal tissues after radiotherapy] Morita K, et al. **Gan No Rinsho** 1987 Jun;33(6):685–91 (Eng. Abstr.) (Jpn)
[Radiation-induced ileitis following radiotherapy of cervical cancer] Yoshii M, et al. **Rinsho Hoshasen** 1986 Aug; 31(8):929–32 (Eng. Abstr.) (Jpn)
[Use of a linear-quadratic model for evaluation of late post-radiation complications in the larynx] Maciejewski B, et al. **Nowotwory** 1987 Jan–Mar;37(1):67–76 (Eng. Abstr.) (Pol)
[Post-radiation carditis in a patient treated for teratocarcinoma of the mediastinum] Osiadacz W. **Nowotwory** 1986 Oct–Dec;36(4):320–4 (Eng. Abstr.) (Pol)
[Post-irradiation reactions in patients with laryngeal cancer after continuous and intermittent Co-60 teletherapy] Peszyński J, et al. **Otolaryngol Pol** 1986;40(6):409–13 (Eng. Abstr.) (Pol)
[Late-onset radiation injuries of the intestines and their treatment] Bardychev MS, et al. **Vopr Onkol** 1986; 32(8):73–7 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Effects of radiation on genetic material. Walker J. **Radiol Technol** 1987 Mar–Apr;58(4):363–4

HISTORY

The radiologist as guinea pig: radiation hazards to man as demonstrated in early radiologists, and their patients. Berry RJ. **J R Soc Med** 1986 Sep;79(9):506–9
Landmark article June 8, 1946: A clinical syndrome following exposure to atomic bomb explosions. By Paul D. Keller. **JAMA** 1987 Aug 7;258(5):661–3

IMMUNOLOGY

A study of T lymphocyte population in cancer of the cervix. Effects of pelvic irradiation. Saxena VK, et al. **Indian J Cancer** 1985 Sep;22(3):173–7
Serologic markers for hepatitis B among Marshallese accidentally exposed to fallout radiation in 1954. Adams WH, et al. **Radiat Res** 1986 Oct;108(1):74–9

METABOLISM

Acute accidental inhalation of U: a 38-year follow-up. Kathren RL, et al. **Health Phys** 1986 Nov;51(5):609–19

MORTALITY

Mortality among Canadian military personnel exposed to low-dose radiation. Raman S, et al. **Can Med Assoc J** 1987 May 15;136(10):1051–6

Survival in radiation myelopathy. Schultheiss TE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1765–9

How many Chernobyl fatalities? [letter] Fremlin JH. **Nature** 1987 Jun 4–10;327(6121):376

How many Chernobyl fatalities? [letter] Scheer J. **Nature** 1987 Apr 2–8;326(6112):449

Recalculating the cost of Chernobyl [news] Marshall E. **Science** 1987 May 8;236(4802):658–9

OCCURRENCE

Osteoradionecrosis: a study of the incidence in the North West of England. Morton ME. **Br J Oral Maxillofac Surg** 1986 Oct;24(5):323–31

[Estimated number of expected stochastic changes in the population occupationally exposed to X-rays] Swiderski P, et al. **Med Pr** 1987;38(2):89–95 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Osteoradionecrosis of the ossicular chain. Kveton JF, et al. **Am J Otol** 1986 Nov;7(6):446–8

Neuropathological findings in radiation myelopathy of the lumbosacral cord. Berlit P, et al. **Eur Neurol** 1987; 27(1):29–34

Osteoradionecrosis: clinical experience and a proposal for classification. Epstein JB, et al. **J Oral Maxillofac Surg** 1987 Feb;45(2):104–10

Dose-volume analysis and the prevention of radiation sequelae in cervical cancer. Crook JM, et al. **Radiother Oncol** 1987 Apr;8(4):321–32

Computed tomography of acute radiation nephritis. Moore L, et al. **Urol Radiol** 1986;8(2):89–91

[Effect of radiotherapy on the function of the ciliated epithelium in the larynx] Deitmer T. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):513–5 (Eng. Abstr.) **(Ger)**

[Organ distribution of radioactive cesium in autopsy material following the Chernobyl catastrophe] Bankl H, et al. **Pathologe** 1987 Jul;8(4):251–2 **(Ger)**

[Angiosarcoma of the liver and renal cell carcinoma with panmyelopathy following Thorotrast administration 40 and 41 years ago. Case reports with immunohistochemical studies] Schmid C, et al. **Pathologe** 1987 May;8(3):177–82 **(Ger)**

[Radiation myelopathy. Clinical analysis of the disease picture] Berlit P. **Schriftenr Neurol** 1987;27:1–116 (Eng. Abstr.) **(Ger)**

[Current clinical aspects of changes in the lung parenchyma caused by the interaction of polychemotherapy and radiotherapy in the treatment of small cell bronchial cancer] Gärtner C, et al. **Z Gesamte Inn Med** 1987 Jan 1;42(1):23–7 (Eng. Abstr.) **(Ger)**

[Acute radiation sickness associated with radiation burns] Ciko Z, et al. **Vojnosanit Pregl** 1986 Jul–Aug;43(4):311–3 **(Scr)**

PHYSIOPATHOLOGY

Medical intervention in a nuclear accident. Rabin SM. **Hosp Pract [Off]** 1986 Nov 15;21(11):137–45, 149–52

Extensive osteoradionecrosis of the mandible associated with new bone formation. Yamashiro M, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):630–3

Role of reactive oxygen species and free radicals from melanins in photoinduced cutaneous inflammations. Ranadive NS, et al. **Pathol Immunopathol Res** 1986; 5(2):118–39 (154 ref.)

[Analysis of permanent radiation myelopathies—time-dose relationship of spinal cord tolerance] Kanehira C. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):606–20 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Morbidity of adult cranial irradiation. Stokes SH. **Ala Med** 1987 Apr;56(10):39–41

Minimising hazards from radiation medicine practice. Ilbery PL, et al. **Australas Radiol** 1986 May;30(2):156–62

Dental extractions in relation to radiation therapy of 224 patients. Makkonen TA, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):56–64

Optimization of dose-time factors for a tumor and multiple associated normal tissues. Cohen L. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):251–8

Spinal cord protection during radiation therapy. Coia L, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1697–705

A prospective study of treatment techniques to minimize the volume of pelvic small bowel with reduction of acute and late effects associated with pelvic irradiation. Gallagher MJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1565–73

A quantified approach to the analysis and prevention of urinary complications in radiotherapeutic treatment of cancer of the cervix. Pourquier H, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1025–33

Radiologic hazards and defense. Morrison JE. **J Am Vet Med Assoc** 1987 Mar 15;190(6):746–61

Exclusion of small bowel from pelvis for postoperative radiotherapy for rectal cancer. Bakare SC, et al. **J Surg Oncol** 1987 May;35(1):55–8

Unexpected lesson from Chernobyl [letter] Tatò L, et al. **Lancet** 1987 Apr 4;1(8536):803

Skin-sparing effects of neutron beam filtering materials. Otte VA, et al. **Med Phys** 1987 Jul–Aug;14(4):670–3

Hard battles on radiation safety. **Nature** 1987 Sep 17–23; 329(6136):185–6

Comparison of L-thyroxine and a saturated solution of potassium iodide in preventing damage to the thyroid following iodine-131-labeled antibody injection. Abdel-Nabi H, et al. **NCI Monogr** 1987;(3):63–6

Radiation: nuclear power industry poses unique problems. Hildebrand JE. **Occup Health Saf** 1987 May;56(5):28–30, 32, 64

Scatter radiation exposure during knee arthrography. Light MC, et al. **Radiology** 1987 Sep;164(3):867–8

Is it possible further to reduce sequelae from radiotherapy in the treatment of Hodgkin's disease? Basso Ricci S. **Rays** 1986 May–Aug;11(2):93–100

Public distrust and hazard management success at the Rocky Flats nuclear weapons plant. Hohenemser C. **Risk Anal** 1987 Jun;7(2):243–59

Testicle transposition in children who undergo low-pelvic or scrotal irradiation. Cheng BS, et al. **Urology** 1987 May; :39–41

Protective legislation, ionizing radiation and health: a new appraisal and international survey. Stellman JM. **Women Health** 1987;12(1):105–25

[Radiation burden; keeping one's distance is best (letter)] **Ned Tijdschr Geneeskd** 1987 May 23;131(21):923–4 **(Dut)**

[Uncertainties about the risks of ionizing radiation in perspective] Barendsen GW. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1298–9 **(Dut)**

[Radiation burden; keeping one's distance is best] Ruijs JH. **Ned Tijdschr Geneeskd** 1987 Apr 11;131(15):612–3 **(Dut)**

[Pelvic exclusion by polyglactin 910 mesh. Value in the prevention of radiation enteritis] Giraud B, et al. **Chirurgie** 1986;112(6):493–501 (Eng. Abstr.) **(Fre)**

[Radiation enteritis after pelvic irradiation of cancer of the rectum. Prevention by omentoplasty and pelvic partitioning with polyglactin 910 mesh] Samama G, et al. **Presse Med** 1987 Jul 4;16(26):1282–4 (Eng. Abstr.) **(Fre)**

[Chernobyl—practical experiences exemplified by the Salzburg crisis staff] Galvan G. **Acta Med Austriaca** 1986; 13(4–5):103–6 (Eng. Abstr.) **(Ger)**

[Limit values, the philosophy of establishing limit values] Höfer R. **Acta Med Austriaca** 1986;13(4–5):121–3 (Eng. Abstr.) **(Ger)**

[Actual measurements following the Chernobyl reactor accident] Irlweck K. **Acta Med Austriaca** 1986; 13(4–5):107–13 (Eng. Abstr.) **(Ger)**

[How useful is administration of colloidal Berlin blue for the decontamination of radio-cesium?] Forth W. **Klin Wochenschr** 1986 Sep 1;64(17):810–2 **(Ger)**

[Sequelae of the Chernobyl reactor accident in the nutrition of infants] **Monatsschr Kinderheilkd** 1987 Feb;135(2):116–8 **(Ger)**

[Obstetric aspects of radiation exposure following the Chernobyl accident] Lechner W, et al. **Wien Klin Wochenschr** 1986 Dec 5;98(23):803–5 (Eng. Abstr.) **(Ger)**

[Radiation burden in heart catheter studies—significance of measures for reducing scatter radiation] Sievert H, et al. **Z Kardiol** 1987 Jun;76(6):326–8 (Eng. Abstr.) **(Ger)**

[Reduction of radiation dose to the worker in preparing the radiopharmaceutical solution by a simple shielding equipment] Miyazaki Y, et al. **Radioisotopes** 1987 Jan; 36(1):32–5 (Eng. Abstr.) **(Jpn)**

[Physicians against nuclear dangers] Wójtowicz JS. **Pol Przegl Radiol (Warszawa)** 1986 Nov–Dec;50(6):335–9 (17 ref.) **(Pol)**

[Possibility of using the structural disruption effect in leukocytes for biodosimetry purposes in the outpatient examination of persons working with ionizing radiation sources (review of the literature)] Iakovleva NG. **Gig Tr Prof Zabol** 1986 Oct;(10):40–2 (22 ref.) **(Rus)**

PSYCHOLOGY

Radiation damage to the brain: neuropsychiatric aspects. McMahon T, et al. **Gen Hosp Psychiatry** 1986 Nov; 8(6):437–41

RADIOGRAPHY

Presternal soft tissue calcifications following mediastinal radiotherapy for Hodgkin's disease. Vainright JR, et al. **Chest** 1987 Jan;91(1):136–7

Differentiation of radiation-induced fibrosis from recurrent pulmonary neoplasm by CT. Bourgouin P, et al. **J Can Assoc Radiol** 1987 Mar;38(1):23–6

Pulmonary complications of multimodality therapy for esophageal carcinoma. Duprat G Jr, et al. **J Can Assoc Radiol** 1987 Mar;38(1):27–31

Radiation-induced occlusion of the artery in the distal lower extremity—a case report. Amemiya A, et al. **Jpn J Surg** 1987 May;17(3):178–81

[Early post-radiation pericardial changes in Hodgkin's disease. Value of x-ray computed tomography] Fermé C, et al. **Presse Med** 1986 Sep 13;15(29):1360–3 (Eng. Abstr.) **(Fre)**

[Late radiation-induced necrosis of the brain—a follow-up study using computerized tomography] Ebner F, et al. **Strahlenther Onkol** 1987 May;163(5):301–4 (Eng. Abstr.) **(Ger)**

[Somatic sequelae induced by radiotherapy in bone segments in adults] Basso Ricci S, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):83–90 (Eng. Abstr.) **(Ita)**

[Radiological aspect of the irradiated lung] Guzzon A, et al. **Radiol Med (Torino)** 1986 Oct;72(10):743–59 (80 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Differentiation of cerebral radiation necrosis from tumor recurrence by [18F]FDG and 82Rb positron emission tomography. Doyle WK, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):563–70

[Gallium-67 citrate scanning in the differential diagnosis of radiation-induced pulmonary fibrosis and specific lung lesions in patients with lymphogranulomatosis] Miasnikov AA, et al. **Ter Arkh** 1987;59(6):35–7 **(Rus)**

SURGERY

Surgical treatment of radiation injury to the rectosigmoid. Harling H, et al. **Acta Chir Scand** 1986 Nov;152:691–3

The free greater omental flap for treatment of mandibular osteoradionecrosis. Moran WJ, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):425–7

Changing aspects of radiation enteropathy [letter] Braslow L. **Arch Surg** 1986 Oct;121(10):1212–3

Surgical therapy of radiation-induced small-bowel lesions. Report of 34 cases with a high share of patients with combined chemotherapy. Miholic J, et al. **Arch Surg** 1987 Aug;122(8):923–6

Parks' coloanal sleeve anastomosis for treatment of postirradiation rectovaginal fistula. Nowacki MP, et al. **Dis Colon Rectum** 1986 Dec;29(12):817–20

Present day role of plastic surgery in management of chronic radiation wounds: our experience. Galli A, et al. **Eur J Surg Oncol** 1987 Jun;13(3):239–46

Argon laser treatment of hemorrhagic radiation proctitis. Buchi KN, et al. **Gastrointest Endosc** 1987 Feb;33(1):27–30

Right hemicolectomy and ileal resection with primary reanastomosis for irradiation injury of the terminal ileum. Hoskins WJ, et al. **Gynecol Oncol** 1987 Feb;26(2):215–24

Transoral mandibulectomy in advanced osteoradionecrosis. Klein JC. **Head Neck Surg** 1979 Nov–Dec;2(2):160–4

Pectoralis major myocutaneous flap for reconstruction of radionecrotic chest wall ulcer (a case report). Bhathena H. **J Postgrad Med** 1987 Jan;33(1):35–6

Laser therapy for severe radiation-induced rectal bleeding. Ahlquist DA, et al. **Mayo Clin Proc** 1986 Dec;61(12):927–31

Surgical management of irradiation-induced small bowel damage [letter] Roberts WS, et al. **Obstet Gynecol** 1986 Nov;68(5):729–30

Surgery for urologic complications following radiotherapy for gynecologic cancer. Krause S, et al. **Scand J Urol Nephrol** 1987;21(2):115–8

Vertical rectus abdominis musculocutaneous flap for chest wall reconstruction after irradiation [published erratum appears in South Med J 1987 Jun;80(6):686] Reed WP, et al. **South Med J** 1987 Mar;80(3):287–91

The management of late radiation-induced rectal injury after treatment of carcinoma of the uterus. Allen-Mersh TG, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):521–4

Treatment of arterial lesions after radiation therapy. Bergqvist D, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):116–20

[Sternal pseudarthrosis in irradiated patients. Repairing by the pectoralis major myocutaneous flap] Freidel M, et al. **Ann Chir Plast Esthet** 1986;31(3):241–4 (Eng. Abstr.) **(Fre)**

[Sequelae of childhood radiotherapy of the orbito-fronto-nasal area: simultaneous lacrimal anastomoses and bone reconstruction] Réal JP. **Ann Chir Plast Esthet** 1986;31(3):296–300 (Eng. Abstr.) **(Fre)**

[Severe postradiation intestinal lesions. Apropos of 47 cases] Meyer C, et al. **Chirurgie** 1987;113(2):180–7 (Eng. Abstr.) **(Fre)**

[Post-irradiation coronary ostial stenosis treated by bilateral ostial endarterectomy (letter)] Deloche A, et al. **Presse Med** 1987 May 2;16(16):780–1 **(Fre)**

[Surgical therapy of radiation-induced arterial vascular damage] Hupp T, et al. **Chirurg** 1987 May;58(5):328–33 (Eng. Abstr.) **(Ger)**

[Radiogenic damage of the intestine—diagnosis and therapy] Kujath P, et al. **Chirurg** 1986 Sep;57(9):573–8 (Eng. Abstr.) **(Ger)**

[Plastic-surgical therapy of extensive radiogenic recurrence of pharyngo-esophagostoma] Steinau HU, et al. **Chirurg** 1986 Nov;57(11):746–52 (Eng. Abstr.) **(Ger)**

[Unwanted sequelae of irradiation in the intestinal tract—pathogenesis, diagnosis, therapy] Winkeltau G, et al. **Langenbecks Arch Chir** 1986;368(1):29–40 (Eng. Abstr.) **(Ger)**

[Postirradiation enteritis. A surgical problem?] Esclapez Valero JP, et al. **Rev Esp Enferm Apar Dig** 1987 Apr; 71(4):319–22 (Eng. Abstr.) **(Spa)**

THERAPY

Hyperbaric oxygen therapy for laryngeal radionecrosis. Ferguson BJ, et al. **Ann Otol Rhinol Laryngol** 1987 Jan-Feb;96(1 Pt 1):1-6

Caring for the radiation accident victim. Halstead MA. **AORN J** 1987 Jul;46(1):64-72

The management of osteoradionecrosis of the jaws. Morton ME, et al. **Br J Oral Maxillofac Surg** 1986 Oct;24(5):332-41

Late results of mucosal proctectomy and colo-anal sleeve anastomosis for chronic irradiation rectal injury. Browning GG, et al. **Br J Surg** 1987 Jan;74(1):31-4

A cuffed tube for the treatment of oesophago-bronchial fistulae. Lux G, et al. **Endoscopy** 1987 Jan;19(1):28-30

Simple method for the management of hematuria caused by radiation or cytoxan. Livne PM, et al. **Eur Urol** 1987; 13(3):180-1

Bone-marrow transplantation and radiation accidents [letter] Morris GJ. **Lancet** 1986 Nov 22;2(8517):1220

Bone marrow transplantation and radiation accidents [letter] Powles R. **Lancet** 1986 Oct 11;2(8511):862

Hyperbaric oxygen in the treatment of osteoradionecrosis: a review of its use and efficacy. Fattore L, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):280-6

Therapy of radiation bowel damage [letter] Lichtigfeld FJ. **S Afr Med J** 1987 Apr 4;71(7):467

Possible radiation injury at Koeberg Nuclear Power Station. Organization of medical care. van Rensburg LC, et al. **S Afr Med J** 1986 Oct 11;70(8):487-9

[Evaluation of the use of parenteral nutrition in chronic and severe radiation enterocolitis] Bories C, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):142-7 (Eng. Abstr.) **(Fre)**

[Current treatment of osteoradionecrosis] Lagier JP, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):311-4 (Eng. Abstr.) **(Fre)**

[Prevention and therapy of accidental radionuclide uptake] Riccabona G, et al. **Acta Med Austriaca** 1986;13(4-5):95-8 (Eng. Abstr.) **(Ger)**

[Artificial enteral nutrition as a supportive measure in simultaneous radiotherapy] Freund U, et al. **Beitr Infusionther Klin Ernahr** 1986;14:143-5 **(Ger)**

[Resuscitation of a 36-year-old patient with a short PQ time and a history of Hodgkin's disease] Neyses L, et al. **Internist (Berlin)** 1987 Mar;28(3):196-9 **(Ger)**

[Adverse effects of radiotherapy and their treatment] Nakano M, et al. **Gan No Rinsho** 1987 Mar;Spec No:282-97 **(Jpn)**

[Basic principles for the treatment of local radiation injuries] Gus'kova AK. **Klin Med (Mosk)** 1986 Nov;64(11):113-8 **(Rus)**

[Effectiveness of various therapeutic schemes for patients with radiation edema of the extremities] Kuz'mina EG, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):18-22 (Eng. Abstr.) **(Rus)**

RADIATION INJURIES, EXPERIMENTAL

Safety of 125iodine and 192iridium implants to the canine carotid artery. Long-term results. Fee WE Jr, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):514-8

Tritium beta-ray and 60CO gamma-ray caused dominant lethal mutation in mice. Zhou XY, et al. **Chin Med J [Engl]** 1986 May;99(5):420-3

Strain differences in sensitivity to light-induced photoreceptor degeneration in albino mice. LaVail MM, et al. **Curr Eye Res** 1987 Jun;6(6):825-34

A long-term effect of prior irradiation on the thermal enhancement of radiation damage in the mouse ear. Law MP, et al. **Int J Hyperthermia** 1987 Mar-Apr;3(2):167-75

Genetic regulation of light damage to photoreceptors. LaVail MM, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1043-8

A quantitative study of the effect of terfenadine on cutaneous erythema induced by UVB and UVC radiation. Farr PM, et al. **J Invest Dermatol** 1986 Dec;87(6):771-4

Periarteritis nodosa in rats treated with chronic excess sodium chloride (NaCl) after X-irradiation. Watanabe H, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):297-304

Rectum obstruction in rats after local irradiation. Kal HB, et al. **Strahlenther Onkol** 1986 Dec;162(12):772-4

[Prostacyclin- and thromboxane synthesis in the vascular wall after gammatron irradiation] Sinzinger H, et al. **Strahlenther Onkol** 1986 Sep;162(9):592-5 (Eng. Abstr.) **(Ger)**

[Possibilities of using mathematical methods in prognostication of individual radiation sensitivity] Chekhonadskii NA, et al. **Med Radiol (Mosk)** 1986 Dec; 31(12):64-6 (Eng. Abstr.) **(Rus)**

[Prognostication of individual radiation sensitivity of animals, based on the use of a mathematical method of object classification] Darenskaia NG, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):62-4 (Eng. Abstr.) **(Rus)**

BLOOD

Parallel increase of plasma fibronectin and perchlorosoluble serum glycoproteins in radiation-induced lung damage. Lafuma C, et al. **Clin Physiol Biochem** 1987;5(2):61-9

A T cell model for age-related loss of homeostasis: identification of the cell type responsible for age-related delay in recovery of the PHA-induced mitogenic response from radiation injury. Peterson WJ, et al. **Gerontology** 1986; 32(5):261-71

Modification of haemoglobin level and haematocrit value in the peripheral blood of mice after 45Ca internal irradiation by MPG (2-mercaptopropionylglycine). Bhagat RM, et al. **Radiobiol Radiother (Berl)** 1986;27(4):469-72

[EPR study of the blood of animals during an acute radiation lesion] Avakian MA, et al. **Radiobiologiia** 1986 Nov-Dec; 26(6):788-92 (Eng. Abstr.) **(Rus)**

[Changes in the serum fraction composition of nucleic acids in radiation injuries. Alterations in an early period after gamma-irradiation of rats] Belokhvostov AS, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):505-10 (Eng. Abstr.) **(Rus)**

[Modifying effect of water-soluble analogs of quinoid radiotoxins on hematopoiesis in gamma-irradiated mice] Kopylov VA, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):558-60 (Eng. Abstr.) **(Rus)**

[Evaluation of toxemia and peripheral blood indices in dogs irradiated with large doses] Malakhovskii VN, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):550-5 (Eng. Abstr.) **(Rus)**

[Mechanism of reduced binding capacity of plasma corticosteroid-binding globulin in acute radiation sickness] Omel'chuk NN. **Radiobiologiia** 1987 Jul-Aug;27(4):544-6 (Eng. Abstr.) **(Rus)**

[Repeated combined radiation injuries] Vasilenko IIa. **Voen Med Zh** 1986 Sep;(9):30-4 **(Rus)**

COMPLICATIONS

Radiation retinopathy as an experimental model for ischemic proliferative retinopathy and rubeosis iridis. Irvine AR, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):790-7

Irradiation-induced growth failure. Shalet SM. **Clin Endocrinol Metab** 1986 Aug;15(3):591-606 (59 ref.)

Normalizing effect of immunoglobulins in the treatment of endogenous infection and intestinal dysbacteriosis in irradiated mice. Klemparskaya NN, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):91-8

[Lenses of experimental dogs exposed to nuclear explosion] Zhu XA. **Chung Hua Yen Ko Tsa Chih** 1986 Sep; 22(5):297-300 (Eng. Abstr.) **(Chi)**

DIAGNOSIS

[Use of dosimeters for the triage of radiation injury victims] Vladimirov VG. **Voen Med Zh** 1986 Nov;(11):17-8 **(Rus)**

DRUG THERAPY

Enhancement of hemopoietic recovery by indomethacin after sublethal whole-body gamma irradiation. Pospíšil M, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):195-8

Effectiveness of DTPA therapy when administered intragastrically or intraperitoneally to remove Pu from adult or neonatal rats. Sullivan MF, et al. **Health Phys** 1986 Nov;51(5):641-6

Therapeutic efficiency of olaquindox in gamma-irradiated mice. Pospíšil M, et al. **Strahlenther Onkol** 1986 Dec; 162(12):793-7

[Therapy of radiation sickness using hepahydryl] Borovikova GV, et al. **Radiobiol Radiother (Berl)** 1986;27(4):451-6 (Eng. Abstr.) **(Ger)**

[Pharmacological correction of the acute effects of microwave irradiation in an experiment] Koldaev VM. **Biol Nauki** 1987;(1):20-6 (Eng. Abstr.) **(Rus)**

[Changes in the pharmacodynamic properties of promedol, droperidol and dimedrol in burn shock and combined radiation-thermal injury] Il'iuchenok TIu, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):71-4 (Eng. Abstr.) **(Rus)**

[Effect of bacterial lipopolysaccharide preparations on hemopoiesis in depressed hemopoiesis induced by ionizing radiation] Baranov MN, et al. **Gematol Transfuziol** 1986 Oct;31(10):30-3 (Eng. Abstr.) **(Rus)**

[Effect of lithium carbonate on the experimental post-radiation recovery of the blood system] Moroz BB, et al. **Gematol Transfuziol** 1986 Oct;31(10):25-9 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of purified components of a turtle spleen extract] Turdyev AA, et al. **Radiobiologiia** 1986 Sep-Oct; 26(5):685-8 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Effects of naltrexone in postnatal rats on the recovery of disturbed brain and lymphatic tissues after X-irradiation or ethylnitrosourea treatment in utero. Schmahl WG, et al. **Res Commun Chem Pathol Pharmacol** 1987 Jan; 55(1):89-99

ENZYMOLOGY

Effect of S-2(3-aminopropylamino) ethyl phosphorothioic acid on ATPase activity in the testis of irradiated mouse. Jaimala, et al. **Radiobiol Radiother (Berl)** 1986;27(4):485-9

Influence of 2-mercaptopropionylglycine (MPG) on radiation-induced changes in the acid phosphatase activity of mouse intestine and its role in tissue protection. Mathur VB, et al. **Radiobiol Radiother (Berl)** 1986;27(4):479-84

Effect of 60Co-gamma whole body irradiation on serum amylase level. Schweitzer K, et al. **Radiobiol Radiother (Berl)** 1986;27(5):555-8

Activity changes of selected adaptive enzymes in the liver of rats, irradiated with a lethal dose of X-rays. Toropila M, et al. **Radiobiol Radiother (Berl)** 1986;27(3):315-20

[Monoamine oxidase activity of the brain and liver of 60Co-gamma-irradiated mice as affected by the use of a radiation protective agent] Bodo K, et al. **Radiobiol Radiother (Berl)** 1986;27(4):457-61 (Eng. Abstr.) **(Ger)**

[The function of enzymes for the antioxidative protection of the bone marrow cells in rats during irradiation, bone fracture and combined radiation injury] Bogdanova IA, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):659-62 (Eng. Abstr.) **(Rus)**

[Endogenous phospholipase hydrolysis in radiation injury of animals] Dvoretskiĭ AI, et al. **Radiobiologiia** 1987 Jan-Feb; 27(1):97-100 (Eng. Abstr.) **(Rus)**

[Effect of triiodothyronine on aldolase metabolism in the liver of irradiated rats] Komov VP, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):682-4 (Eng. Abstr.) **(Rus)**

[Activity of the enzymatic drug-metabolizing system of the liver in combined radiation-thermal injury] Matveeva IA, et al. **Radiobiologiia** 1987 May-Jun;27(3):422-3 (Eng. Abstr.) **(Rus)**

[Proteinase inhibitors of the blood plasma in the early period of the development of acute radiation sickness in monkeys] Zherbin EA, et al. **Radiobiologiia** 1987 Mar-Apr; 27(2):250-3 (Eng. Abstr.) **(Rus)**

[(ADP-ribose)n-transferase activity of enterocyte nuclei during radiation injury of small intestine mucosa in rats] Trofimiak TB, et al. **Ukr Biokhim Zh** 1986 Sep-Oct; 58(5):43-9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Irradiation depresses prostacyclin generation upon stimulation with the platelet-derived growth factor. Sinzinger H, et al. **Br J Radiol** 1985 Oct;58(694):1023-6

Low-kilohertz-water-borne ultrasound biological effects. Carnes KI, et al. **Radiat Environ Biophys** 1986;25(3):235-40

Radiation-induced emesis in the dog: effects of lesions and drugs. Carpenter DO, et al. **Radiat Res** 1986 Dec; 108(3):307-16

Single inhalation exposure to 90SrCl2 in the beagle dog: hematological effects. Gillett NA, et al. **Radiat Res** 1987 May;110(2):267-88

Effects of microwaves on three different strains of rats. Lu ST, et al. **Radiat Res** 1987 May;110(2):173-91

Effects of protraction of the alpha dose to the lungs of mice by repeated inhalation exposure to aerosols of 239PuO2. Lundgren DL, et al. **Radiat Res** 1987 Aug;111(2):201-24

The effects of dose-fractionation on radiation-induced heart disease in rats. Lauk S, et al. **Radiother Oncol** 1987 Apr; 8(4):363-7

[Role of injuries to the vascular plexus in the development of a radiation lesion of the skin in swine] Arkhipova EE, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):826-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Combined effect of ionizing radiation and exertion on various indices of non-specific resistance and immunity] Shubik VM, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):548-50 (Eng. Abstr.) **(Rus)**

METABOLISM

Histochemical studies on the effects of lethal total body X-irradiation on the pancreas of dogs rescued by autologous bone marrow transplantation. Michel C, et al. **Cell Mol Biol** 1986;32(5):519-26

The effect of ionizing radiation on lipid metabolism in lymphoid cells. Kolomiytseva IK, et al. **Int J Radiat Biol** 1987 Jan;51(1):53-8

Altered turnover and synthesis rates of lung surfactant following thoracic irradiation. Coultas PG, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):233-7

The assessment of recovery of the intestine after acute radiation injury. Baer AR, et al. **Radiat Res** 1987 Feb; 109(2):319-29

Pulmonary endothelial dysfunction induced by unilateral as compared to bilateral thoracic irradiation in rats. Ward WF, et al. **Radiat Res** 1987 Jul;111(1):101-6

Effect of gamma irradiation and radioprotector MPG on liver glycogen in mice. Khan AS, et al. **Radiobiol Radiother (Berl)** 1986;27(4):473-7

Contribution to the role of lipids in the bone marrow of irradiated rats. Sedlakova A, et al. **Radiobiol Radiother (Berl)** 1986;27(6):777-82

Changes of lipogenesis in long term continuously irradiated rats. Sedláková A, et al. **Radiobiol Radiother (Berl)** 1986; 27(5):549-54

[Neurochemical changes during the early radiogenic syndrome in rats and their modification by vitamins] Rozanov VA, et al. **Radiobiol Radiother (Berl)** 1986; 27(5):537-47 (Eng. Abstr.) **(Ger)**

[Method of evaluating the concentration of biogenic amines in tissue basophils in histologic preparations] Datsenko AV, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):80-2 **(Rus)**

[Modelling of senile cataract] Mal'tsev EV. **Oftalmol Zh** 1986;(5):306-9 (Eng. Abstr.) **(Rus)**

[Changes in taurine and tryptophan metabolism after combined radiation-thermal injury] Konnova LA, et al. **Patol Fiziol Eksp Ter** 1986 Nov-Dec;(6):53-6 (Eng. Abstr.)

(Rus)
[Indices of the status of the cholinergic processes in the rat sensorimotor cortex and caudate nucleus at early periods after gamma-irradiation at a dose of 150 Gr] Abdrakhmanov AA, et al. **Radiobiologiia** 1986 Sep-Oct; 26(5):697-9 (Eng. Abstr.) (Rus)
[Iron-sulfur respiratory chain centers, ribonucleotide reductase activity and biosynthesis of macromolecules in the spleen of mice during acute radiation injury] Avakian MA, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):626-30 (Eng. Abstr.) (Rus)
[The problem of peroxidation in radiobiology] Baraboĭ VA, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):591-7 (78 ref.) (Eng. Abstr.) (Rus)
[Post-radiation changes in active transport in he CNS: Mg2+, Ca2+-ATPase] Dvoretskiĭ AI, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):547-8 (Eng. Abstr.) (Rus)
[Biochemical changes in rat tissues as affected by the combined action of external gamma-radiation and 239Pu in different doses] Elkina NI, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):677-82 (Eng. Abstr.) (Rus)
[Effect of different doses of ionizing radiation on the binding of prostaglandin E2 in mouse tissues] Prianishnikova EN, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):652-5 (Eng. Abstr.) (Rus)
[Ammonia content of the brain, liver and blood of rats in radiation injury] Reva AD, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):112-5 (Eng. Abstr.) (Rus)
[Effect of super-high doses of gamma-radiation on the level and metabolism of serotonin in the rat brain] Silina AG, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):556-7 (Eng. Abstr.) (Rus)
[Soluble and membrane glycoproteins of the rat brain in radiation injury] Sokolov II, et al. **Radiobiologiia** 1987 May-Jun;27(3):414-7 (Eng. Abstr.) (Rus)
[Changes in the content of carbohydrate-containing proteins in the liver of rats chronically exposed to pesticides combined with total gamma irradiation] Soroka LP, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):108-12 (Eng. Abstr.) (Rus)

MORTALITY

Fitting the linear-quadratic model using time of occurrence as the end-point for quantal response multifraction experiments. Taylor JM, et al. **Int J Radiat Biol** 1987 Sep; 52(3):459-68
Life shortening in mice exposed to fission neutrons and gamma rays. VI. Studies with the white-footed mouse, Peromyscus leucopus. Thomson JF, et al. **Radiat Res** 1986 Nov;108(2):176-88
[Mortality in rats after local irradiation of the head with simultaneous screening of the central nervous system] Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):431-5 (Eng. Abstr.) (Cze)
[Longevity of animals in combined exposure to total gamma irradiation and incorporated plutonium-239] Buldakov LA, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):123-6 (Eng. Abstr.) (Rus)
[Shortening of the life span in an experiment with chronic external gamma-irradiation. The structure of mortality] Goloshchapov PV, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):497-501 (Eng. Abstr.) (Rus)
[Shortening of the life span in an experiment with chronic external gamma-irradiation. In defense of the aging hypothesis] Goloshchapov PV, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):501-4 (Eng. Abstr.) (Rus)
[The effect of gammaphos and a clinical solution of dextrans on survival after combined radiation injuries] Pantelić D, et al. **Vojnosanit Pregl** 1987 May-Jun;44(3):179-84 (Eng. Abstr.) (Scr)
[The effect of gammaphos (WR-2721) on survival in combined radiation injuries] Simović M, et al. **Vojnosanit Pregl** 1987 Mar-Apr;44(2):99-106 (Eng. Abstr.) (Scr)

PATHOLOGY

Safety of 125iodine and 192iridium implants to the canine carotid artery. Long-term results. Fee WE Jr, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):514-8
Evidence of C-cell destruction in the thyroid gland of mice exposed to high 131I doses. Feinstein RE, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):199-202
Late radiation enteropathy following split-dose irradiation of rat small intestine. Hauer Jensen M, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):203-6
Early histochemical changes in the cerebral cortex of the dogs exposed to high doses of gamma radiation. Kamarád V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;111:77-82
MR of brain radiation injury: experimental studies in cats. Hecht-Leavitt C, et al. **AJNR** 1987 May-Jun;8(3):427-30
Mucosal pathology of an experimental otitis media with effusion after X-ray irradiation. Ohashi Y, et al. **Am J Otolaryngol** 1987 Jul-Aug;8(4):223-35
Acute and late radiation injury in rhesus monkey parotid glands. Evidence of interphase cell death. Stephens LC, et al. **Am J Pathol** 1986 Sep;124(3):469-78
Radiation cataracogenesis in rat lenses. Rini FJ, et al. **Bull NY Acad Med** 1986 Sep;62(7):744-53
An in-vitro study of irradiated vitreo-retinal membranes. Chakravarthy U, et al. **Eye** 1987;1 (Pt 1):126-35
Directional character of spreading of vasogenic cerebral edema after radiation damage in rhesus monkeys, and effects of removal of the primary lesion. Wakisaka S, et al. **Fukuoka Igaku Zasshi** 1986 Oct;77(10):564-73
Thermodamage, thermosensitivity and thermotolerance of normal swine oesophagus. Li DJ, et al. **Int J Hyperthermia** 1987 Mar-Apr;3(2):143-51
Changes in lung morphology and cell number in radiation pneumonitis and fibrosis: a quantitative ultrastructural study. Vergara JA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):723-32
The effect of ionizing radiation on the primate pancreas: an endocrine and morphologic study. Du Toit DF, et al. **J Surg Oncol** 1987 Jan;34(1):43-52
Effects of microwave radiation on living tissues. Surrell JA, et al. **J Trauma** 1987 Aug;27(8):935-9
A histological study on the cataractogenic effects of heavy charged particles. Yang VC, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Jan;11(1):18-28
Replicative activity of lung type 2 cells following lung X irradiation. Gross NJ, et al. **Radiat Res** 1987 Jul; 111(1):143-50
The effects of ionizing radiation on the pulmonary vasculature of intact rats and isolated pulmonary endothelium. Kwock L, et al. **Radiat Res** 1987 Aug; 111(2):276-91
Cell-cell matrix interactions in induced lung injury. IV. Quantitative alterations in pulmonary fibronectin and laminin following X irradiation. Rosenkrans WA Jr, et al. **Radiat Res** 1987 Jan;109(1):127-42
Retinal dysplasia and progressive atrophy in dogs irradiated during ocular development. Schweitzer DJ, et al. **Radiat Res** 1987 Aug;111(2):340-53
Pathology of delayed radiation brain damage: an experimental canine model. Tiller-Borcich JK, et al. **Radiat Res** 1987 May;110(2):161-72
Gastrointestinal radiation injury of supralethal single gamma-irradiated dogs: a morphologic observation. Reŝl M, et al. **Radiobiol Radiother (Berl)** 1986;27(6):753-60
Chronic radiation damage in the rectum of the rat after protracted fractionated irradiation. Breiter N, et al. **Radiother Oncol** 1986 Oct;7(2):155-63
Lack of differential sparing of late ischaemic atrophy and early epidermal healing, after dose fractionation of mouse tails down to 2.6 Gy per fraction. Hendry JH. **Radiother Oncol** 1987 Feb;8(2):153-60
Target cell and mode of radiation injury in rhesus salivary glands. Stephens LC, et al. **Radiother Oncol** 1986 Oct; 7(2):165-74
[Changes in renal parenchyma induced by ionizing radiation and chemotherapy in animal experiments] Böttcher HD. **Strahlenther Onkol** 1986 Aug;162(8):503-13 (Eng. Abstr.) (Ger)
[Histologic changes in the normal bladder wall following fractionated irradiation—an animal experimental study] Füller J, et al. **Strahlenther Onkol** 1986 Aug;162(8):519-24 (Eng. Abstr.) (Ger)
[Simulation of cell renewal in the small intestine epithelium of intact and irradiated animals] Gusev IuV, et al. **Dokl Akad Nauk SSSR** 1987;294(3):712-5 (Rus)
[Incidence of morphologic changes in cerebral cortex neurons of the rat exposed to accelerated carbon ions] Fedorenko BS, et al. **Kosm Biol Aviakosm Med** 1987 Jan-Feb;21(1):51-5 (Eng. Abstr.) (Rus)
[Inhibition of cell proliferation in the thymus: possibility of detecting natural cell death within the organ and its contribution to the phenomenon of induced interphase cell death] Ermolaeva NV, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):468-72 (Eng. Abstr.) (Rus)
[Quantitative characteristics of radiation injury of the spermatogenic epithelium and the rate of its recovery after exposure to fast neutrons and gamma-radiation] Fedorova NL, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):492-6 (Eng. Abstr.) (Rus)
[Morphological changes in the lungs after single whole-body irradiation in rabbits] Reŝl M, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):532-5 (Eng. Abstr.) (Rus)
[Effect of cAMP on the migration and proliferation of CFUs and the survival of irradiated animals] Suroegin EV. **Radiobiologiia** 1987 Jul-Aug;27(4):560-3 (Eng. Abstr.) (Rus)
[Development of radiation injuries and recovery processes in the hematopoietic tissue of mice after repeated exposure to fast neutrons and gamma-irradiation] Ul'ianova VA, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):510-5 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Radiation nephropathy in young and adult rats. Jongejan HT, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):225-32
Repair of sublethal radiation injury after multiple small doses in mouse kidney: an estimate of flexure dose. Stewart FA, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):765-72
Altered pulmonary epithelial permeability in canine radiation lung injury. Ahmed IH, et al. **J Appl Physiol** 1986 Sep; 61(3):971-81
Acute effects of thoracic irradiation on lung function and structure in awake sheep. Loyd JE, et al. **J Appl Physiol** 1987 Jan;62(1):208-18
Effect of ionizing radiation on prostaglandins and gastric secretion in rhesus monkeys. Dubois A, et al. **Radiat Res** 1987 May;110(2):289-93
Bile loss in the acute intestinal radiation syndrome in rats. Geraci JP, et al. **Radiat Res** 1987 Jan;109(1):47-57
The effect of phenmetrazine on performance of irradiated rats. Tušl M, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985; 28(1-2):117-26
[The effect of caffeine on performance in rats with radiation sickness] Tušl M, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(1):97-111 (Eng. Abstr.) (Cze)
[Endocrine status in the prognostication of individual radiation sensitivity] Korotkevich AO. **Med Radiol (Mosk)** 1986 Dec;31(12):83-7 (Eng. Abstr.) (Rus)
[Reliability of autoregulatory mechanisms of biosystems as affected by ionizing radiation] Barabol VA, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):637-41 (Eng. Abstr.) (Rus)
[Functional status of the rat insular apparatus and adrenal cortex at early periods after irradiation] Mizina TIu, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):708-10 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

The effect of the hydrolytic state of dietary protein on post-irradiation morbidity and mucosal cell regeneration [published erratum appears in Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1267] Beitler MK, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):385-91
Use of steroids to suppress vascular response to radiation. Evans ML, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):563-7
Radioprotection against cataract formation by WR-77913 in gamma-irradiated rats. Menard TW, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1483-6
Inhibition of lens opacification in x-irradiated rats treated with WR-77913. Osgood TB, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1780-4
Influence of Vitamin C administered after radiation. Raziq F, et al. **JPMA** 1987 Mar;37(3):70-2
MPG modification of adrenal response in Swiss albino mice exposed to gamma radiation. Jagetia GC, et al. **Radiobiol Radiother (Berl)** 1986;27(6):771-6
Radioprotective effect of WR-2721 (gammaphos) or cystamine in non-uniform lethal gamma irradiated mice. Kuna P. **Radiobiol Radiother (Berl)** 1986;27(6):761-9
Radioprotective effect of adeturone on survival rate and the hemopoietic system in mice. Minkova M, et al. **Radiobiol Radiother (Berl)** 1986;27(4):463-8
Prevention of acute radiation damage in the rat rectum by protracted fractionated irradiation. Dewit L. **Radiother Oncol** 1987 Apr;8(4):369-71
The effect of N-acetylcysteine inhalation on the tolerance to thoracic radiation in mice. Tarbell NJ, et al. **Radiother Oncol** 1986 Sep;7(1):77-80
Radiation damage and its repair after local X-ray irradiation of the head of the rats protected with cystamine. Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(4):519-33
Protection from radiation-associated small bowel injury with the aid of an absorbable mesh. Devereux DF. **Semin Surg Oncol** 1986;2(1):17-23
A radiomodifying effect of acute hypoxia on neutron-irradiated mice and dogs. Sverdlov AG, et al. **Strahlenther Onkol** 1986 Aug;162(8):525-30
Protection from radiation enteritis by an absorbable polyglycolic acid mesh sling. Devereux DF, et al. **Surgery** 1987 Feb;101(2):123-9
[Protection of the lens against ionizing radiation injury using gammaphos] Rozsíval P, et al. **Cesk Oftalmol** 1986 Nov; 42(6):413-6 (Eng. Abstr.) (Cze)
[Radiation-protective effect of insoluble polyanion in prolonged gamma irradiation] Minkova MI, et al. **Kosm Biol Aviakosm Med** 1986 Nov-Dec;20(6):92-3 (Rus)
[Modification of separate and combined effects of hyperthermia and ionizing radiation on normal tissues] Kurpeshev OK. **Med Radiol (Mosk)** 1986 Dec;31(12):52-6 (Eng. Abstr.) (Rus)
[Interphase death of thymus cells in combined radiation-thermal injury against a background of prophylactic administration of alpha-tocopherol and indomethacin] Budagov RS, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):121-3 (Eng. Abstr.) (Rus)
[Mechanism of mobilization of biogenic amines from rat mast cells in radiation protected conditions] Goncharenko EN, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):631-6 (Eng. Abstr.) (Rus)
[Experience in using cystamine for decreasing radiation disorders in Wistar rat embryogenesis] Palygat GF, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):815-9 (Eng. Abstr.) (Rus)
[Use of gammaphos for protecting the brain from delayed radiation damage] Shaposhnikova VV, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):37-40 (Eng. Abstr.) (Rus)
[Local application of pentacin in dimethyl sulfoxide in skin burns contaminated with 241AM] Ivannikov AT, et al. **Vestn Dermatol Venerol** 1987;(1):53-5 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Computed tomographic assessment of radiation induced damage in the lung of normal and WR 2721 protected LAF1 mice. Miller GG, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1971–5

[Computerized tomography studies in the assessment of radiogenic pneumopathy in an animal experiment] Tellkamp H, et al. **Digitale Bilddiagn** 1986 Dec;6(4):161–4 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

The validity of different methods of analysis of 133Xe washout curves for the determination of lung function. Rezvani M, et al. **Int J Rad Appl Instrum [B]** 1986; 13(3):245–51

[Evaluation of radiation-induced hepatic injury using scintigraphic methods] Takenaka H. **Kaku Igaku** 1987 Apr; 24(4):373–81 (Eng. Abstr.) **(Jpn)**

THERAPY

Anti-lipopolysaccharide toxin therapy for whole body X-irradiation overdose. Gaffin SL, et al. **Br J Radiol** 1985 Sep;58(693):881–4

Radiation induced gram negative bacteremia and endotoxemia in rabbits: modification by anti-lipopolysaccharide hyperimmune equine plasma. Wells MT, et al. **Life Sci** 1987 Jun 29;40(26):2543–50

The effect of the rat-cyclophosphamide serum on the rat hematopoietic tissue recovery, previously damaged by cyclophosphamide or by gamma-irradiation. Pujić N, et al. **Strahlenther Onkol** 1987 Jan;163(1):50–3

[Radioprotective effectiveness of bone marrow exfusion in guinea pigs] Rozhdestvenskil LM, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):521–4 (Eng. Abstr.) **(Rus)**

[Methods of enhancing the radioprotective efficacy of serum immunoglobulin] Shal'nova GA, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):118–21 (Eng. Abstr.) **(Rus)**

URINE

Urinary excretion of cyclic nucleotides, creatinine prostaglandin E2 and thromboxane B2 from mice exposed to whole-body irradiation from an enhanced neutron field. Steel LK, et al. **Int J Radiat Biol** 1986 Oct;50(4):695–715

RADIATION, IONIZING

A nine-year evaluation of emergency department personnel exposure to ionizing radiation. Grazer RE, et al. **Ann Emerg Med** 1987 Mar;16(3):340–2

The effect of ionizing radiation on advanced life support medications. Sullivan DJ, et al. **Ann Emerg Med** 1987 Jun; 16(6):662–5

A study on the effect of gamma radiation sterilization of polycarbonate (LMW). Jayabalan M, et al. **Biomed Sci Instrum** 1987;23:149–53

Exposure to gamma-irradiation increases phorbol myristate acetate-induced H2O2 production in human macrophages. Gallin EK, et al. **Blood** 1987 Sep;70(3):694–701

The influence of a background correction that considers the heart volume on radionuclide left ventricular ejection fraction determination. Kelbaek H, et al. **Br J Radiol** 1986 Oct;59(706):993–6

Protection of mice from whole body gamma irradiation by deuteration of drinking water: hematologic findings. Laissue JA, et al. **Exp Hematol** 1987 Feb;15(2):177–80

Comments on Rn emanation from natural deposits of U and remedial actions [letter] Hazle AJ. **Health Phys** 1987 Jul; 53(1):93

Measurements of terrestrial gamma radiation in Taiwan, Republic of China. Lin YM, et al. **Health Phys** 1987 Jun; 52(6):805–11

Environmental radiation and cancer in India. Nambi KS, et al. **Health Phys** 1987 May;52(5):653–7

Correlation between natural radiation exposure and cancer mortality (2). Noguchi K, et al. **J Nihon Univ Sch Dent** 1986 Jun;28(2):129–38

Long-term neuropathological consequences of low-dose X-irradiation on the developing rat cerebellum. Inouye M, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):240–6

Correlation between natural radiation exposure and cancer mortality in Japan (I). Noguchi K, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):191–212

An epidemiological investigation of mutational diseases in the high background radiation area of Yangjiang, China. Tao ZF, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):141–50

Multiple efforts directed at defining, eliminating excess radiation [news] Merz B. **JAMA** 1987 Aug 7;258(5):577

Types of radiation: the Journal flunks physics [letter] Wick H. **JAMA** 1987 Aug 7;258(5):611

Studies on radiation-induced chromosome aberrations in mouse spermatocytes. II. Dose-response relationships of chromosome aberrations induced at zygotene stage in mouse primary spermatocytes following fast neutron- and 60Co gamma-irradiations. Matsuda Y, et al. **Mutat Res** 1987 Feb;176(2):251–7

Effects of UV, sunlight and X-ray radiation on quiescent human cells in culture. Kantor GJ. **Photochem Photobiol** 1986 Sep;44(3):371–8

Design of an efficient position sensitive gamma ray detector for nuclear medicine. Rogers JG, et al. **Phys Med Biol** 1986 Oct;31(10):1061–90

Discussing possible standards of natural radioactivity in building materials. Keller G, et al. **Radiat Environ Biophys** 1987;26(2):143–50

[Background radiation and birth defects in seven prefectures in north Japan and in Ibaraki Prefecture] Akita Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25; 47(3):515–23 (Eng. Abstr.) **(Jpn)**

[Characteristics of the hygienic evaluation of the natural source of radiation] Karpov VI, et al. **Gig Sanit** 1987 Jun; (6):59–61 **(Rus)**

[Assessment of the irradiation levels of different population groups in the RSFSR] Poplavskil KK. **Gig Sanit** 1986 Jul; (7):36–8 (Eng. Abstr.) **(Rus)**

[Calculation of ionizing radiation along the flight paths of high-altitude planes] Barannikov IuI, et al. **Kosm Biol Aviakosm Med** 1987 Mar-Apr;21(2):69–73 (Eng. Abstr.) **(Rus)**

[Mechanism of origin of the roentgen phenomenon] Novokhatskil AS, et al. **Oftalmol Zh** 1987;(2):110–2 (Eng. Abstr.) **(Rus)**

[Man and radioactive radiation] Marinkov S. **Med Pregl** 1986; 39(5–6):209–13 **(Scr)**

ADVERSE EFFECTS

Irradiation of the embryo and fetus. Mole RH. **Br J Radiol** 1987 Jan;60(709):17–31 (49 ref.)

Radiation risks in perspective. Pochin EE. **Br J Radiol** 1987 Jan;60(709):42–50 (41 ref.)

Correlation between natural radiation exposure and cancer mortality (4). Noguchi K, et al. **J Nihon Univ Sch Dent** 1987 Mar;29(1):48–59

Correlation between natural radiation exposure and cancer mortality (3). Shimizu M, et al. **J Nihon Univ Sch Dent** 1986 Dec;28(4):249–61

[Embryonic mortality of the root vole as an index of the effect of small doses of natural radioactivity on genetic processes in populations] Bashlykova LA, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):126–8 (Eng. Abstr.) **(Rus)**

HISTORY

A note on Roentgen's X-ray absorption measurements in 1895. Spiers FW. **Br J Radiol** 1986 Nov;59(707):1109–10

INSTRUMENTATION

[Analysis of blood circulation in reimplanted fingers using a gamma camera] Kubatov M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):205–9 (Eng. Abstr.) **(Hun)**

RADIATION MONITORING

An improved method for estimating the entrance exposure in diagnostic radiographic examinations. Zamenhof RG, et al. **AJR** 1987 Sep;149(3):631–7

Radiation exposure to patients undergoing percutaneous transluminal coronary angioplasty. Cascade PN, et al. **Am J Cardiol** 1987 Apr 15;59(9):996–7

Monitoring of staff wearing lead-rubber aprons [letter] Jones JR. **Br J Radiol** 1986 Oct;59(706):1051–2

Scattered radiation reaching doors and windows of diagnostic X-ray rooms. Law J. **Br J Radiol** 1987 Feb; 60(710):179–80

Routine monitoring of eye dose [letter] Palmer K. **Br J Radiol** 1985 Dec;58(696):1227–8

Effect of partition walls and neighboring buildings on the indoor exposure rate due to cosmic-ray muons. Fujitaka K, et al. **Health Phys** 1986 Nov;51(5):647–59

A study of worker dose distributions with respect to ICRP dose limitation recommendations. Johnston PD, et al. **Health Phys** 1986 Nov;51(5):579–99

Automated microwave oven survey systems: evaluation criteria and procedures. Witters DM, et al. **J Microwave Power** 1986;21(4):221–32

Radiation exposure to patients during extracorporeal shock wave lithotripsy. Van Swearingen FL, et al. **J Urol** 1987 Jul;138(1):18–20

How serious is the indoor radon health hazard? [news] Goldsmith MF. **JAMA** 1987 Aug 7;258(5):578–9

Control of ultraviolet radiation treatment dose in phototherapy and photochemotherapy irradiation equipment [letter] Morison WL. **Photodermatol** 1987 Feb; 4(1):60–1

Scatter radiation exposure during knee arthrography. Light MC, et al. **Radiology** 1987 Sep;164(3):867–8

Radionuclide monitoring in Northern Ireland of the Chernobyl nuclear reactor accident. Gilmore BJ, et al. **Ulster Med J** 1987 Apr;56(1):45–53

[The Radiation Protection Planning Act: inspection of environmental radioactivity and precautionary steps after a nuclear accident] Fricke A. **DTW** 1987 Jun 9;94(6):370–2 (Eng. Abstr.) **(Ger)**

[Measurement of radiation exposures to the radiotherapists in the brachytherapy—comparison of the iridium and cesium therapy] Matsuoka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1035–40 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

EGARD: an environmental gamma-ray and 222Rn detector. Maiello ML, et al. **Health Phys** 1987 Sep;53(3):301–5

Cosmic-ray ionization in the lower atmosphere. Weng PS, et al. **Health Phys** 1987 Mar;52(3):347–52

Radiation search and detection by ear and by eye. Tzelgov J, et al. **Hum Factors** 1987 Feb;29(1):87–95

A radiation exposure meter for technologists. Vidic KE. **Radiol Technol** 1982 Sep-Oct;54(1):37–9

METHODS

Personal dosimetry in a mixed field of high-energy muons and neutrons. Cossairt JD, et al. **Health Phys** 1987 Jun; 52(6):813–8

Use of environmental TLD data at a nuclear power station to estimate detection limits for radiation exposure due to station operation. Lang E, et al. **Health Phys** 1987 Jun; 52(6):775–85

Dosimetry in phototherapy cabinets. Fanselow D, et al. **J Am Acad Dermatol** 1987 Jul;17(1):74–7

Measurement of the restricted dose mean LET outside the primary beam of a 60Co radiotherapy unit. Makrigiorgos G, et al. **Radiat Res** 1987 Apr;110(1):142–8

[Possibility of using the structural disruption effect in leukocytes for biodosimetry purposes in the outpatient examination of persons working with ionizing radiation sources (review of the literature)] Iakovleva NG. **Gig Tr Prof Zabol** 1986 Oct;(10):40–2 (22 ref.) **(Rus)**

STANDARDS

Use of 99mTc for calibrating survey meters. Selikson MH, et al. **Health Phys** 1987 Jan;52(1):83–6

Uncertainties associated with using quick-sort techniques to estimate neutron doses following criticality accidents. Swaja RE, et al. **Health Phys** 1987 Jan;52(1):65–8

Extremity dose: its definition, standards and regulatory limits, radiobiological significance, measurement and practical considerations. Thind KS. **Health Phys** 1987 Jun; 52(6):695–705

RADIATION, NON-IONIZING

Comments on limits of the spectral ranges in the non-ionizing radiation region of the electromagnetic spectrum for classification and exposure limit determination [letter] Bhagwandin N, et al. **Health Phys** 1987 Mar;52(3):390

ADVERSE EFFECTS

Current facts on pacemaker electromagnetic interference and their application to clinical care. Sager DP. **Heart Lung** 1987 Mar;16(2):211–21

[Does non-ionizing radiation influence fetal development?] Larsen AI, et al. **Ugeskr Laeger** 1987 Feb 16;149(8):518–20 (Eng. Abstr.) **(Dan)**

[Considerations on the protection of non-ionizing radiation workers] Novaro A, et al. **Minerva Med** 1987 Feb 28; 78(4):251–8 (Eng. Abstr.) **(Ita)**

RADIATION PROTECTION

Radiation exposure to personnel in departments of gynaecologic oncology in Sweden. Forsberg B, et al. **Acta Oncol** 1987;26(2):113–23

Normalized pediatric organ-absorbed doses from CT examinations. Fearon T, et al. **AJR** 1987 Jan;148(1):171–4

Minimising hazards from radiation medicine practice. Ilbery PL, et al. **Australas Radiol** 1986 May;30(2):156–62

Proceedings of the British Institute of Radiology. Regulations and guidance on radiation protection. Abstracts of papers. London, October 2, 1986. **Br J Radiol** 1987 Jul; 60(715):729–31

Biological basis of radiological protection and its application to risk assessment. Proceedings of a one-day seminar. Bristol, April 11, 1986. **Br J Radiol** 1987 Jan;60(709):1–50

Monitoring of staff wearing lead-rubber aprons [letter] Jones JR. **Br J Radiol** 1986 Oct;59(706):1051–2

Marble attenuation characteristics for diagnostic x rays. Abdul-Majid S. **Health Phys** 1987 Mar;52(3):385–7

Shielding design for the ceiling of a 6-MV accelerator in an existing facility. Biggs PJ. **Health Phys** 1987 Apr; 52(4):491–3

A study of neutron leakage through an Fe shield at an accelerator. Elwyn AJ, et al. **Health Phys** 1986 Dec; 51(6):723–35

A proposed standard for radioactivity in building materials used in the Netherlands. Passchier WF, et al. **Health Phys** 1986 Nov;51(5):661–4

A general solution to the shielding of medical x and gamma rays by the NCRP Report No. 49 methods. Simpkin DJ. **Health Phys** 1987 Apr;52(4):431–6

Shielding requirements for mammography. Simpkin DJ. **Health Phys** 1987 Sep;53(3):267–79

Energy dependence of the dose equivalent on the primary proton energy—comparison of CASIM and Moyer model calculations. Yamaguchi C. **Health Phys** 1986 Dec; 51(6):812–4

Risk assessment: the philosophy underlying radiation protection. Smith NJ. **Int Dent J** 1987 Mar;37(1):43–51

The present state and perspectives of micronucleus assay in radiation protection. A review. Almássy Z, et al. **Int J Rad Appl Instrum [A]** 1987;38(4):241–9 (83 ref.)

Licencing of medical x-ray equipment in 1899: background and procedure. Tschurlovits M, et al. **Int J Rad Appl Instrum [A]** 1986;37(5):373–81

Dose rate effects: implications for relative biological effectiveness and radiological protection. Dennis JA. **Int J Radiat Biol** 1987 May;51(5):941–6

The effect of lead attenuators on dose in homogeneous phantoms. el-Khatib EE, et al. **Med Phys** 1986 Nov–Dec;13(6):928–35

Exposure and organ dose estimation in diagnostic radiology. McGuire EL, et al. **Med Phys** 1986 Nov–Dec;13(6):913–6

The neutron dose and energy spectrum outside a 20-MV accelerator treatment room. Muller-Runkel R, et al. **Med Phys** 1986 Sep–Oct;13(5):742–7

Radioactive tableware [letter] Hall DC. **Minn Med** 1987 Mar; 70(3):163

A radiation safety survey on a Clinac-20 linear accelerator. Powell NL, et al. **Phys Med Biol** 1987 Jun;32(6):707–18

Low attenuation material for table tops, cassettes and grids: a review. Hufton AP, et al. **Radiography** 1987 Jan–Feb; 53(607):17–8

A study of radiation safety education practices in acute care Texas hospitals. Lemley AA, et al. **Radiol Technol** 1987 Mar–Apr;58(4):323–31

Average radiation doses in a standard head examination for 250 CT systems. McCrohan JL, et al. **Radiology** 1987 Apr; 163(1):263–8

Public distrust and hazard management success at the Rocky Flats nuclear weapons plant. Hohenemser C. **Risk Anal** 1987 Jun;7(2):243–59

The Ionising Radiations Regulations 1985: what they mean in practice. Foster SJ. **Vet Rec** 1986 Nov 15;119(20):489–90

[Mortality in rats after local irradiation of the head with simultaneous screening of the central nervous system] Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):431–5 (Eng. Abstr.) **(Cze)**

[Radiation burden; keeping one's distance is best (letter)] **Ned Tijdschr Geneeskd** 1987 May 23;131(21):923–4 **(Dut)**

[Collective radiation dosage due to radiodiagnostic practice in France in 1982. Methodology. 1] Fagnani F, et al. **J Radiol** 1986 Oct;67(10):745–53 (Eng. Abstr.) **(Fre)**

[Highs and lows of optimization in radioprotection] Valley JF, et al. **Rev Med Suisse Romande** 1987 Feb;107(2):99–103 **(Fre)**

[Somatic radiation risk in the diagnosis and therapy of the cranial region] Ewen K, et al. **Fortschr Kiefer Gesichtschir** 1987;32:6–9 **(Ger)**

[Organ exposure during x-ray examination of the head and neck region] Schröder UG, et al. **Fortschr Kiefer Gesichtschir** 1987;32:9–11 **(Ger)**

[Radiographic study of the thorax. Evaluation of doses administered to the patient] Orsini S, et al. **Med Lav** 1987 Mar–Apr;78(2):105–11 (Eng. Abstr.) **(Ita)**

[Considerations on the protection of non-ionizing radiation workers] Novaro A, et al. **Minerva Med** 1987 Feb 28; 78(4):251–8 (Eng. Abstr.) **(Ita)**

[The radiation protection and the system administration of the cyclotron-PET unit in Research Institute of Brain and Blood Vessels, Akita] Hachiya T, et al. **Radioisotopes** 1986 Jun;35(6):342–50 **(Jpn)**

[Manual for handling brachytherapy sources. III. Practice of radiation protection for therapeutic uses of small sealed radioactive sources (1). Safety precautions in clinical application] Maruyama T, et al. **Radioisotopes** 1987 Apr; 36(4):204–11 **(Jpn)**

[Thyroid protector for angiographers] Suto Y, et al. **Rinsho Hoshasen** 1986 Oct;31(10):1169–71 **(Jpn)**

[Radiation hygiene: its problems and objectives in the light of the decisions of the 27th Congress of the CPSU] Il'in LA. **Gig Sanit** 1986 Aug;(8):4–7 **(Rus)**

ECONOMICS

Valuing the man-sievert in X-ray diagnosis. Russell JG, et al. **Br J Radiol** 1987 Jul;60(715):681–4

Towards a general model of health detriment cost evaluation. Jammet H, et al. **Health Phys** 1987 Jan;52(1):91–101

Cost-benefit analysis in radiation protection [editorial] Thomson WH, et al. **Nucl Med Commun** 1986 Dec; 7(12):855–6

HISTORY

Early protection and radiological physics. Spiers FW. **Int J Radiat Biol** 1987 May;51(5):841–54

INSTRUMENTATION

Radiation exposure reduction by use of Kevlar cassettes in the neonatal nursery. Herman MW, et al. **AJR** 1987 May; 148(5):969–72

A simple method to prevent interference with pulse oximetry by infrared heating lamps [letter] Zablocki AD, et al. **Anesth Analg** 1987 Sep;66(9):915

Design of a shadow shield counter for the measurement of total body potassium. Beddoe AH, et al. **Australas Phys Eng Sci Med** 1986 Oct–Dec;9(4):173–9

Barytes Board: a cost effective radiation barrier material for use in diagnostic X-ray suites. Coalter GC, et al. **Australas Radiol** 1987 Feb;31(1):90–2

The lead apron: room for improvement? Boothroyd AE, et al. **Br J Radiol** 1987 Feb;60(710):203–4

An autoclavable transport container for guide-wires containing iridium 192. Deans T, et al. **Br J Radiol** 1986 Dec;59(708):1223–4

Radiological safety: gamma camera flood sources. Jeans SP. **Br J Radiol** 1987 May;60(713):495–6

Fallout sheltering: is it feasible? Ehrlich R, et al. **Health Phys** 1987 Mar;52(3):267–80

Holder for uncovered high-activity radionuclide sources of alpha particles and fission fragments. McDonald RJ, et al. **Health Phys** 1987 Mar;52(3):381–3

Shielding block mounting with double-stick tape. Barish RJ. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):133–4

Dosimetry considerations for a Lipowitz metal tissue compensator system. Henderson SD, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1107–12

A comparison of commercial treatment planning systems when calculating dose under shielding blocks. Tatcher M. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1899–902

Collimation instruments [letter] Croll TP. **J Am Dent Assoc** 1987 Jun;114(6):768

Potential exposure to metal fumes, particulates, and organic vapors during radiotherapy shielding block fabrication. DeMeyer CL, et al. **Med Phys** 1986 Sep–Oct;13(5):748–50

Broad beam and narrow beam attenuation in Lipowitz's metal. el-Khatib EE, et al. **Med Phys** 1987 Jan–Feb; 14(1):135–9

Radiation control in the intensive care unit for high intensity iridium-192 brain implants. Sewchand W, et al. **Neurosurgery** 1987 Apr;20(4):584–8

Efficiency of the cervical lead shield during intraoral radiography. Kaffe I, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):732–6

Dosimetry of low-energy neutrons using low-pressure proportional counters. Schuhmacher H, et al. **Radiat Res** 1987 Jul;111(1):1–13

[Postoperative irradiation of sarcoma of retroperitoneal soft tissues. Prevention of radio-lesions of the small intestine by a silicone balloon (letter)] Mazeron JJ, et al. **Presse Med** 1987 Mar 21;16(10):492 **(Fre)**

[Detectability of incorrect projection of hip joint images of infants with a tightly limited image area and effect on accuracy in the diagnosis of dysplasia. Report of experiences over many years using special gonadal protection] Reumuth HJ, et al. **Radiol Diagn (Berl)** 1987; 28(1):51–8 (Eng. Abstr.) **(Ger)**

[Measures for reducing exposure to scattered radiation in urologic roentgen diagnosis] Maier G, et al. **Urologe [A]** 1987 Mar;26(2):79–82 (Eng. Abstr.) **(Ger)**

[Radiation burden in heart catheter studies—significance of measures for reducing scatter radiation] Sievert H, et al. **Z Kardiol** 1987 Jun;76(6):326–8 (Eng. Abstr.) **(Ger)**

[Reduction of radiation dose to the worker in preparing the radiopharmaceutical solution by a simple shielding equipment] Miyazaki Y, et al. **Radioisotopes** 1987 Jan; 36(1):32–5 (Eng. Abstr.) **(Jpn)**

[Devices for the interstitial radiotherapy of cancer of mouth mucosa] Medvedev VS, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):58–60 **(Rus)**

METHODS

Radiation of the fiberoptic illuminator of an operating microscope. Aarnisalo E. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):397–400

Caring for the radiation accident victim. Halstead MA. **AORN J** 1987 Jul;46(1):64–72

An improved system of customized photon shielding for radiotherapy. Plant GR, et al. **Br J Radiol** 1986 Sep; 59(705):930–2

Radiation protection aspects of the Sequoyah Nuclear Plant thimble tube ejection. Farrell WE. **Health Phys** 1987 Feb; 52(2):223–7

CT-assisted assessment of bladder and rectum dose in gynecological implants. Ling CC, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1577–82

Spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior 60Co supraclavicular field. Mills MD, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1571–5

Exclusion of small bowel from pelvis for postoperative radiotherapy for rectal cancer. Bakare SC, et al. **J Surg Oncol** 1987 May;35(1):55–8

A method for the construction of x-ray shielding masks. Canup D, et al. **Radiol Technol** 1982 Mar–Apr;53(5):435–7

Radiation safety and protection of neonates in radiological examinations. Yoshizumi TT, et al. **Radiol Technol** 1987 May–Jun;58(5):405–8

A radiomodifying effect of acute hypoxia on neutron-irradiated mice and dogs. Sverdlov AG, et al. **Strahlenther Onkol** 1986 Aug;162(8):525–30

[Pelvic exclusion by polyglactin 910 mesh. Value in the prevention of radiation enteritis] Giraud B, et al. **Chirurgie** 1986;112(6):493–501 (Eng. Abstr.) **(Fre)**

[Pelvic cancers: radioprotection of the small intestine by using a mammary prosthesis for postoperative irradiation. Apropos of 12 cases] Lasser P, et al. **J Chir (Paris)** 1986 Oct;123(10):545–50 (Eng. Abstr.) **(Fre)**

[Calculation of the dimensions of a satellite screen approximating the shape of the kidney to be used for protecting the kidney during steady irradiation of the whole abdomen] Pilz U, et al. **Radiobiol Radiother (Berl)** 1987; 28(1):83–9 (Eng. Abstr.) **(Ger)**

[Radiation protection in mammography: possibilities of dose reduction] Säbel M, et al. **Rontgenpraxis** 1987 Feb; 40(2):65–71 **(Ger)**

[Manual of brachytherapy sources. III. Practice of radiation protection for therapeutic uses using small sealed radioactive sources. (2). Protection of medical staffs] Maruyama T, et al. **Radioisotopes** 1987 May;36(5):247–52 **(Jpn)**

[A simple and effective protection method during abdominal angiography] Saito K, et al. **Rinsho Hoshasen** 1986 Dec; 31(13):1569–71 **(Jpn)**

[Radiation safety at atomic electric power stations] Grigor'ev IuG. **Radiobiologiia** 1987 Mar–Apr;27(2):147–54 (Eng. Abstr.) **(Rus)**

STANDARDS

Practical implementation of ICRP recommendations. International Commission on Radiological Protection. Beaver PF. **Br J Radiol** 1987 Jan;60(709):38–41

Principles of the International Commission on Radiological Protection system of dose limitation. Thorne MC. **Br J Radiol** 1987 Jan;60(709):32–8

Possibilities and limits for applying the concept of collective dose. A recommendation of the Commission for Radiological Protection of the Federal Republic of Germany. Kaul A, et al. **Health Phys** 1987 Jul;53(1):9–10

Radiation protection in a pluralistic society. Meinhold CB. **Health Phys** 1987 Jan;52(1):13–6

Comments on the editorial about radiofrequency standards by D. H. Sliney, M. L. Wolbarsht and A. M. Muc. Osepchuk JM. **Health Phys** 1987 Sep;53(3):327–30

Comments on 'The main inconsequences in the present radiological protection concept for the general population' [letter] Simmons JA. **Health Phys** 1987 Apr;52(4):495–6

Reply to comments on editorial about radiofrequency standards [letter] Wolbarsht ML, et al. **Health Phys** 1987 Sep;53(3):334

Biological bases for radiation protection standards and implications for policy. Beninson D. **Int J Radiat Biol** 1987 May;51(5):897–906

Protective legislation, ionizing radiation and health: a new appraisal and international survey. Stellman JM. **Women Health** 1987;12(1):105–25

[Radiation burden; keeping one's distance is best] Ruijs JH. **Ned Tijdschr Geneeskd** 1987 Apr 11;131(15):612–3 **(Dut)**

[Introduction to the new roentgen ordinance] Becker U, et al. **Rontgenblatter** 1987 Jul;40(7):203–7 (Eng. Abstr.) **(Ger)**

[Characteristics of the hygienic evaluation of the natural source of radiation] Karpov VI, et al. **Gig Sanit** 1987 Jun; (6):59–61 **(Rus)**

RADIATION-PROTECTIVE AGENTS

Orgotein in radiation treatment of bladder cancer. A report on allergic reactions and lack of radioprotective effect. Nielsen OS, et al. **Acta Oncol** 1987;26(2):101–4

Disulfiram as a radiation modifier. Taylor RD, et al. **Ann Clin Lab Sci** 1986 Nov–Dec;16(6):443–9

Radiobiology of Bacillus megaterium spores: physicochemical events involving oxygen and caffeine. Raghu B, et al. **Indian J Exp Biol** 1986 Dec;24(12):742–6

Radioprotection of sheep erythrocytes by polyvinylpyrrolidone. Eisenberg E, et al. **Int J Rad Appl Instrum [A]** 1987;38(2):147–8

Radioprotection of pyrimidines by oxygen and sensitization by phosphate: a feature of their electron adducts. Deeble DJ, et al. **Int J Radiat Biol** 1987 May;51(5):791–6

Radioprotective effect of an acute non-specific inflammation in mice. Herodin F, et al. **Int J Radiat Biol** 1987 Mar; 51(3):549–59

The inhibitory effect of succinate on radiation-enhanced mitochondrial lipid peroxidation. Ronai E, et al. **Int J Radiat Biol** 1987 Apr;51(4):611–7

Mesna and total body irradiation [letter] Shaw IC, et al. **Lancet** 1987 Feb 28;1(8531):516

Cytokines in radioprotection. Comparison of the radioprotective effects of IL-1 to IL-2, GM-CSF and IFN gamma. Neta R, et al. **Lymphokine Res** 1986;5 Suppl 1:S105–10

Tumor necrosis factor induced stimulation of granulopoiesis and radioprotection. Urbaschek R, et al. **Lymphokine Res** 1987 Summer;6(3):179–86

N-methyl-N'-nitro-N-nitrosoguanidine-induced resistance to ionizing radiation. Morse ML, et al. **MGG** 1987 Feb; 206(2):220–5

Protective effects of analogs of luteinizing hormone-releasing hormone against x-radiation-induced testicular damage in rats. Schally AV, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):851–5

The differential protection by WR2721 of skin versus growing cartilage following irradiation in weanling rats. Constine LS, et al. **Radiat Res** 1987 Apr;110(1):61–71

Differential effects of radical scavengers on X-ray-induced mutation and cytotoxicity in human cells. Corn BW, et al. **Radiat Res** 1987 Jan;109(1):100–8

Radiation protection of murine intestine by WR-2721, 16,16-dimethyl prostaglandin E2, and the combination of both agents. Hanson WR. **Radiat Res** 1987 Aug; 111(2):361–73

Protection of mice against fission neutron irradiation by WR-2721 or WR-151327. Steel LK, et al. **Radiat Res** 1987 Mar;109(3):469–78

16,16-Dimethyl prostaglandin E2 increases survival in mice following irradiation. Walden TL Jr, et al. **Radiat Res** 1987 Mar;109(3):440–8

Sodium bisulfite protects against radiogenic and chemically

induced transformation in hamster embryo and mouse C3H/10T-1/2 cells. Borek C, et al. **Toxicol Ind Health** 1985 Sep;1(1):69–74

[Protective action of OK-432 (Picibanil) on radiation-induced myelosuppression—examination of its action in whole body irradiated mice] Aoki Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1324–30 (Eng. Abstr.) **(Jpn)**

[Studies on chemical protectors against radiation. XXV. Radioprotective activities of various crude drugs] Ohta S, et al. **Yakugaku Zasshi** 1987 Jan;107(1):70–5 (Eng. Abstr.) **(Jpn)**

[Antagonism in the action of kinetin and actinomycin D on the cytogenetic effect of radiation] Araratian LA. **Genetika** 1987 Mar;23(3):565–7 (Eng. Abstr.) **(Rus)**

[Prognostication of tumor reaction to irradiation and individual approach to the use of radiation-modifying agents] Iarmonenko SP, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):11–5 **(Rus)**

[Modification of separate and combined effects of hyperthermia and ionizing radiation on normal tissues] Kurpeshev OK. **Med Radiol (Mosk)** 1986 Dec;31(12):52–6 (Eng. Abstr.) **(Rus)**

[Comparison of changes in succinate dehydrogenase activity in blood lymphocytes and modification of radiosensitivity by exogenous hypoxia] Galdamakin AN, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):524–8 (Eng. Abstr.) **(Rus)**

[Effect pf protease inhibitors on DNA degradation in gamma-irradiated rat thymocytes] Gaziev AI, et al. **Radiobiologiia** 1987 May–Jun;27(3):354–7 (Eng. Abstr.) **(Rus)**

[Protective effects of cysteamine and anoxia in Escherichia coli mutants] Korystov IuN, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):516–21 (Eng. Abstr.) **(Rus)**

[Pulsed radiolysis of aqueous solutions of serum albumin containing naphthoquinones] Pribush AG, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):435–40 (Eng. Abstr.) **(Rus)**

[Effect of radiomodifiers on lipid peroxidation and the structural-functional state of irradiated mitochondria] Sellanov AS, et al. **Radiobiologiia** 1987 Mar–Apr; 27(2):242–5 (Eng. Abstr.) **(Rus)**

[Use of gammaphos for protecting the brain from delayed radiation damage] Shaposhnikova VV, et al. **Radiobiologiia** 1987 Jan–Feb;27(1):37–40 (Eng. Abstr.) **(Rus)**

[Effect of cAMP on the migration and proliferation of CFUs and the survival of irradiated animals] Suroegin EV. **Radiobiologiia** 1987 Jul–Aug;27(4):560–3 (Eng. Abstr.) **(Rus)**

[Effect of tocopherol on free fatty acid levels in the erythrocyte membranes of rats undergoing x-ray irradiation] Tsvetkova TV, et al. **Radiobiologiia** 1987 May–Jun;27(3):413–4 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of oxolinic acid] Znamenskii VV, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):812–4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Mesna and total body irradiation [letter] Plowman PN, et al. **Lancet** 1987 Jan 17;1(8525):167

The effect of N-acetylcysteine inhalation on the tolerance to thoracic radiation in mice. Tarbell NJ, et al. **Radiother Oncol** 1986 Sep;7(1):77–80

[Increasing the radioresistance of normal tissue using hypoxia in the radiotherapy of breast cancer] Cyb AF, et al. **Radiobiol Radiother (Berl)** 1986;27(4):447–50 (Eng. Abstr.) **(Ger)**

[Radioprotective phenomena in murine tumors induced by radiosensitizers at high dose levels] Shibamoto Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):725–7 (Eng. Abstr.) **(Jpn)**

BLOOD

Measurement of WR-1065 in plasma: preliminary pharmacokinetics in the beagle. Swynnerton NF, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):255–69

CHEMICAL SYNTHESIS

Antiradiation compounds. 20. 1-Methylquinolinium(and pyridinium)-2-dithioacetic acid derivatives. Foye WO, et al. **J Med Chem** 1987 Jan;30(1):57–62

Synthesis and radioprotective activity of new cysteamine and cystamine derivatives. Oiry J, et al. **J Med Chem** 1986 Nov; 29(11):2217–25

METABOLISM

Human pharmacokinetics of WR-2721. Shaw LM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1501–4

PHARMACODYNAMICS

The effect of 2-[(aminopropyl)amino] ethanethiol (WR1065) on radiation-induced DNA damage and repair and cell progression in V79 cells. Grdina DJ, et al. **Br J Cancer** 1986 Dec;54(6):933–41

The effect of 2-[(aminopropyl)amino] ethanethiol (WR-1065) on radiation induced DNA double strand damage and repair in V79 cells. Sigdestad CP, et al. **Br J Cancer** 1987 May;55(5):477–82

The effect of ethanol on the radiation response of CHO-K1 cells. Seymour CB, et al. **Br J Radiol** 1987 Jun; 60(714):577–81

Effects of ionizing radiation and pretreatment with [D-Leu6,des-Gly10] luteinizing hormone-releasing hormone ethylamide on developing rat ovarian follicles. Jarrell J, et al. **Cancer Res** 1987 Oct 1;47(19):5005–8

Role of splenic stroma in the action of bacterial lipopolysaccharides on radiation mortality: a study in mice carrying the Slj allele. Ploemacher RE, et al. **Cell Tissue Kinet** 1987 Jan;20(1):29–36

Protection of mice from whole body gamma irradiation by deuteration of drinking water: hematologic findings. Laissue JA, et al. **Exp Hematol** 1987 Feb;15(2):177–80

Radioprotective activity of ethylcellulose microspheres containing WR 2721, after oral administration. Fatome M, et al. **Int J Radiat Biol** 1987 Jul;52(1):21–9

Radiation-induced DNA single-strand breaks in the intestinal mucosal cells of mice treated with the radioprotectors WR-2721 or 16-16 dimethyl prostaglandin E2. Hanson WR, et al. **Int J Radiat Biol** 1987 Jul;52(1):67–76

Functional responses of the pulmonary endothelium to thoracic irradiation in rats: differential modification by D-penicillamine. Ward WF, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1505–13

Biophysical basis of hypoxic radioprotection by deoxygenated dextran-hemoglobin. Wong JT, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1303–6

Glucan: mechanisms involved in its "radioprotective" effect. Patchen ML, et al. **J Leukocyte Biol** 1987 Aug;42(2):95–105

S-[(N,N'-diarylamidino)methyl] diethyldithiocarbamates and related amides as potential radioprotectants. Pantev TP. **J Med Chem** 1987 Apr;30(4):720–1

Toxicity, radiation sensitivity modification, and combined drug effects of ascorbic acid with misonidazole in vivo on FSaII murine fibrosarcomas. Okunieff P, et al. **JNCI** 1987 Aug;79(2):377–81

The effect of a normal tissue radioprotector Adeturone on the radiation sensitivity of Lewis lung carcinoma: an enhanced response. Mircheva J, et al. **Neoplasma** 1986; 33(5):595–601

Radiation protection of Escherichia coli B/r by hydroxyl radical scavengers. Ewing D, et al. **Radiat Res** 1987 Feb; 109(2):256–74

Interactions of radioprotectors and oxygen in cultured mammalian cells. II. Effects of dithiothreitol on radiation-induced DNA damage and comparison with cell survival. Held KD, et al. **Radiat Res** 1986 Dec; 108(3):296–306

Effects of scavengers of reactive oxygen and radical species on cell survival following photodynamic treatment in vitro: comparison to ionizing radiation. Henderson BW, et al. **Radiat Res** 1986 Nov;108(2):196–205

Comparison of the protective effects of three phosphorothioate radioprotectors in the RIF-1 tumor. Rasey JS, et al. **Radiat Res** 1986 Nov;108(2):167–75

Studies on sister chromatid exchange (SCE) induction by gamma-irradiation and protective effect of L-cysteine in HeLa cells. Shah VC, et al. **Strahlenther Onkol** 1987 Jan; 163(1):54–60

[Fundamental model assays on chemical damages to ribonucleic acids caused by oxygen radicals in aqueous solution] Lickl E, et al. **Strahlenther Onkol** 1986 Dec; 162(12):775–8 (Eng. Abstr.) **(Ger)**

[Responses to radiation of Ehrlich ascites tumor cells in the presence of YM-08310 (=WR-2721) and/or Ro-07-0582 (in vivo, in vitro assay)] Ebe K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Feb 25; 47(2):307–17 (Eng. Abstr.) **(Jpn)**

[Radioprotective activity of aminoarylthiazoles and various mechanisms of action] Vladimirov VG, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):528–32 (Eng. Abstr.) **(Rus)**

[Effect of 2-amino-2-thiazoline on the level of lipid peroxidation products in different yeast species] Zolotareva LT, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):189–94 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Induction of hypoxia in normal and malignant tissues by changing the oxygen affinity of hemoglobin—implications for therapy. Adams GE, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1299–302

Radiobiological evaluation of a newly synthesized cysteamine derivative. Biscay P, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1469–73

Protection by WR-2721 of human bone marrow function following irradiation. Constine LS, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1505–8

Influence of WR 2721 on radiation response of canine soft tissue sarcomas. McChesney SL, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1957–63

Radioprotection against cataract formation by WR-77913 in gamma-irradiated rats. Menard TW, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1483–6

Computed tomographic assessment of radiation induced damage in the lung of normal and WR 2721 protected LAF1 mice. Miller GG, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1971–5

Comparative biodistribution and radioprotection studies with three radioprotective drugs in mouse tumors. Rasey JS, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1487–90

Radioprotection in rat spinal cord with WR-2721 following cerebral lateral intraventricular injection [published erratum appears in Int J Radiat Oncol Biol Phys 1986 Dec;12(12):2215] Spence AM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1479–82

WR 2721 modification of type II cell and endothelial cell function in mouse lung after single doses of radiation. Travis EL, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1355–9

Influence of Vitamin C administered after radiation. Raziq F, et al. **JPMA** 1987 Mar;37(3):70–2

Modification of haemoglobin level and haematocrit value in the peripheral blood of mice after 45Ca internal irradiation by MPG (2-mercaptopropionylglycine). Bhagat RM, et al. **Radiobiol Radiother (Berl)** 1986;27(4):469–72

Effect of S-2(3-aminopropylamino) ethyl phosphorothioic acid on ATPase activity in the testis of irradiated mouse. Jaimala, et al. **Radiobiol Radiother (Berl)** 1986;27(4):485–9

Effect of gamma irradiation and radioprotector MPG on liver glycogen in mice. Khan AS, et al. **Radiobiol Radiother (Berl)** 1986;27(4):473–7

Influence of 2-mercaptopropionylglycine (MPG) on radiation-induced changes in the acid phosphatase activity of mouse intestine and its role in tissue protection. Mathur VB, et al. **Radiobiol Radiother (Berl)** 1986;27(4):479–84

Radioprotective effect of adeturone on survival rate and the hemopoietic system in mice. Minkova M, et al. **Radiobiol Radiother (Berl)** 1986;27(4):463–8

Survival of spermatogonial stem cells in the rat after split dose irradiation during LH-RH analogue treatment. van Kroonenburgh MJ, et al. **Radiother Oncol** 1987 May; 9(1):67–73

Radiation damage and its repair after local X-ray irradiation of the head of the rats protected with cystamine. Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(4):519–33

[Monoamine oxidase activity of the brain and liver of 60Co-gamma-irradiated mice as affected by the use of a radiation protective agent] Bodo K, et al. **Radiobiol Radiother (Berl)** 1986;27(4):457–61 (Eng. Abstr.) **(Ger)**

[Radiation-protective effect of insoluble polyanion in prolonged gamma irradiation] Minkova MI, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):92–3 **(Rus)**

[Changes in hemopoiesis in the rat as a result of combined exposure to acceleration, irradiation and radiation-modifying agents] Tenchova VB, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):85–6 **(Rus)**

[Pharmacological protection of animals during total irradiation] Kazymbetov P. **Med Radiol (Mosk)** 1987 Jun; 32(6):69–70 **(Rus)**

[Mechanism of mobilization of biogenic amines from rat mast cells in radiation protected conditions] Goncharenko EN, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):631–6 (Eng. Abstr.) **(Rus)**

[Evaluation of the radioprotective action of mexamine based on the cellularity index of the rat thymus] Kormer ZS, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):809–11 (Eng. Abstr.) **(Rus)**

[Radioprotective effectiveness and toxicity of 4,5-disubstituted tryptamines] Korovkina EP, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):833–6 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of purified components of a turtle spleen extract] Turdyev AA, et al. **Radiobiologiia** 1986 Sep–Oct; 26(5):685–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Modification of WR-2721 toxicity and radioprotection by an inhibitor of alkaline phosphatase. Brown DQ, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1491–3

Toxicity and biodistribution of the radioprotectors, WR2721, WR77913, and WR3689, in the CNS following intraventricular or intracisternal administration. Spence AM, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1653–60

RADIATION SENSITIVITY see **RADIATION TOLERANCE**

RADIATION-SENSITIZING AGENTS

Cisplatin sensitization to radiotherapy in stage IV squamous cell carcinoma of the head and neck. A follow-up report. Snyderman NL, et al. **Arch Otolaryngol Head Neck Surg** 1986 Nov; 112(11):1147–50

Induction of DNA crosslinks in vitro upon reduction of the nitroimidazole-aziridines RSU-1069 and RSU-1131. O'Neill P, et al. **Biochem Pharmacol** 1987 Jun 1; 36(11):1787–92

Iodinated contrast agents as "radiosensitizers"Dawson P, et al. **Br J Radiol** 1987 Feb;60(710):201–3

Hypoxic radiosensitization by FLAP [letter] Smith E, et al. **Br J Radiol** 1987 Jun;60(714):601

Potentiation of radiation cytotoxicity by recombinant interferons, a phenomenon associated with increased blockage at the G2-M phase of the cell cycle. Chang AY, et al. **Cancer Res** 1987 Aug 15;47(16):4338–41

Morphological study of the combined effect of purpurin

derivatives and light on transplantable rat bladder tumors. Morgan AR, et al. **Cancer Res** 1987 Jan 15;47(2):496–8

Effect of light fluence rate on mammalian cells photosensitization by chloroaluminium phthalocyanine tetrasulphonate. Ben-Hur E, et al. **Int J Radiat Biol** 1987 Mar;51(3):467–76

Radioprotection of pyrimidines by oxygen and sensitization by phosphate: a feature of their electron adducts. Deeble DJ, et al. **Int J Radiat Biol** 1987 May;51(5):791–6

Toxic and phototoxic effects of tetraphenylporphinesulphonate and haematoporphyrin derivative in vitro. Evensen JF, et al. **Int J Radiat Biol** 1987 Mar;51(3):477–91

Interaction of nitroaromatic radiosensitizers with irradiated polyadenylic acid as measured by an indirect immunochemical assay with specificity for the 8,5'-cycloadenosine moiety. Fuciarelli AF, et al. **Int J Radiat Biol** 1987 Apr;51(4):629–39

Possible importance of PLD repair in the modulation of BrdUrd and IdUrd-mediated radiosensitization in plateau-phase C3H10T1/2 mouse embryo cells. Iliakis G, et al. **Int J Radiat Biol** 1987 Mar;51(3):541–8

Hypoxia-selective radiosensitization of mammalian cells by nitracrine, an electron-affinic DNA intercalator. Roberts PB, et al. **Int J Radiat Biol** 1987 Apr;51(4):641–54

Evaluation of various types of new hypoxic cell sensitizers using the EMT6 single cell-spheroid-solid tumour system. Shibamoto Y, et al. **Int J Radiat Biol** 1987 Sep;52(3):347–57

A comparison of the intracellular uptake and radiosensitization efficiency in different media of uncharged 2-nitroimidazoles of varying lipophilicity. Watts ME, et al. **Int J Radiat Biol** 1987 Sep;52(3):359–70

Chemical modifiers of cancer treatment. Part 2. Clearwater, Florida, 20–24 October 1985. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1271–545

Radiosensitization of primary human tumor cell cultures by N-methylformamide. Arundel C, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):753–7

Effects of nucleoside analogs and sodium butyrate on recovery from potentially lethal X ray damage in human colon tumor cells. Arundel CM, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):593–601

Increase in tumor pO2 by perfluorochemicals and carbogen. Hasegawa T, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr; 13(4):569–74

Enhancement of X ray induced DNA damage by pre-treatment with halogenated pyrimidine analogs. Kinsella TJ, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):733–9

Enhancement of tumor radiation response by the combination of a perfluorochemical emulsion and hyperbaric oxygen. Martin DF, et al. **Int J Radiat Oncol Biol Phys** 1987 May; 13(5):747–51

Enhancement of IUdR radiosensitization by low energy photons. Nath R, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1071–9

Effects of membrane physical parameters on hematoporphyrin-derivative binding to liposomes: a spectroscopic study. Gross E, et al. **J Membr Biol** 1987; 97(3):215–21

Photosensitising activity of phthalocyanine dyes screened against tissue culture cells. Chan WS, et al. **Photochem Photobiol** 1987 Jun;45(6):757–61

Photosensitizing effects of hematoporphyrin derivative immobilized on sepharose. Gibson SL, et al. **Photochem Photobiol** 1987 Jan;45(1):93–104

DNA damage and repair following treatment of V-79 cells with sulfonated phthalocyanines. Hunting DJ, et al. **Photochem Photobiol** 1987 Jun;45(6):769–73

Tumor localization and photosensitization by sulfonated derivatives of tetraphenylporphine. Kessel D, et al. **Photochem Photobiol** 1987 Jun;45(6):787–90

Spectroscopic studies of cutaneous photosensitizing agents—IX. A spin trapping study of the photolysis of amiodarone and desethylamiodarone. Li AS, et al. **Photochem Photobiol** 1987 Feb;45(2):191–7

Spectroscopic studies of cutaneous photosensitizing agents—XI. Photolysis of chlorpromazine metabolites: a spin-trapping study. Li AS, et al. **Photochem Photobiol** 1987 Jun;45(6):695–701

Oxygen radicals mediate cell inactivation by acridine dyes, fluorescein, and lucifer yellow CH. Martin JP, et al. **Photochem Photobiol** 1987 Jul;46(1):45–53

Necrosis of murine tail skin following photodynamic treatment with meso-tetra-(p-sulphophenyl) porphine (TPPS). Moore JV. **Photochem Photobiol** 1987 Jun; 45(6):791–4

Potentially useful antimicrobial and antiviral phototoxins from plants. Towers GH, et al. **Photochem Photobiol** 1987 Jul;46(1):61–6

Radiosensitization by nicotinamide in vivo: a greater enhancement of tumor damage compared to that of normal tissues. Horsman MR, et al. **Radiat Res** 1987 Mar; 109(3):479–89

Toxic variability and radiation potentiation by Rh(III) complexes in Salmonella typhimurium cells. Richmond RC, et al. **Radiat Res** 1986 Dec;108(3):251–9

Some complexes of cobalt(III) and iron(III) are radiosensitizers of hypoxic EMT6 cells. Teicher BA, et al. **Radiat Res** 1987 Jan;109(1):36–46

Antitumor and radiosensitizing activity of several platinum-(+) dye complexes. Teicher BA, et al. **Radiat Res** 1987 Jan;109(1):58–67

[Comparison on the biological activity of three home-made HpDs with that of photofrin II] Han R, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):159–64 (Eng. Abstr.) **(Chi)**

[Demonstration of persistence of the radiosensitizing effect of nitrous oxide in the mouse after a delay of return to atmospheric air] Cara M, et al. **Bull Acad Natl Med (Paris)** 1986 Nov;170(8):1007–11 (Eng. Abstr.) **(Fre)**

[Nitrous oxide (protoxide of nitrogen). A radiosensitizing effect] Cara M, et al. **Cah Anesthesiol** 1986 Aug–Sep; 34(5):377–9 **(Fre)**

[Radiosensitization effects of nucleoside analogs] Sougawa M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25;46(12):1415–20 (Eng. Abstr.) **(Jpn)**

[Effect of the hypoxic cell radiosensitizer,a dinitroimidazole derivative, on murine tumors] Tanaka M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Dec 25; 46(12):1442–3 (Eng. Abstr.) **(Jpn)**

[Immediate results of hypoxiradiotherapy of malignant tumors] Barkanov AI, et al. **Med Radiol (Mosk)** 1986 Sep; 31(9):9–14 (Eng. Abstr.) **(Rus)**

[Prognostication of tumor reaction to irradiation and individual approach to the use of radiation-modifying agents] Iarmonenko SP, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):11–5 **(Rus)**

[Molecular mechanisms of radiation-sensitizing effects of nitroso compounds: new approaches to the prognosis of their effectiveness] Kuropteva ZV, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):56–9 (Eng. Abstr.) **(Rus)**

[Modification of separate and combined effects of hyperthermia and ionizing radiation on normal tissues] Kurpeshev OK. **Med Radiol (Mosk)** 1986 Dec;31(12):52–6 (Eng. Abstr.) **(Rus)**

[The use of artificial hyperglycemia in the radiotherapy of patients with rectal cancer] Krimker VM, et al. **Vopr Onkol** 1986;32(10):40–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

A comparison of the tumour concentrations obtainable with misonidazole and Ro 03-8799. Dische S, et al. **Br J Radiol** 1986 Sep;59(705):911–7

SR-2508 plus buthionine sulfoximine or SR-2508 alone: effects on the radiation response and the glutathione content of a human tumor xenograft. Lespinasse F, et al. **Radiat Res** 1987 Apr;110(1):149–54

[Tissue concentrations of pepleomycin following insertion of a cervical suppository in cases of uterine cancer] Nishikawa Y, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2586–8 **(Jpn)**

[Radioprotective phenomena in murine tumors induced by radiosensitizers at high dose levels] Shibamoto Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):725–7 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

A toxicity and pharmacokinetic study in man of the hypoxic-cell radiosensitiser RSU-1069. Horwich A, et al. **Br J Radiol** 1986 Dec;59(708):1238–40

A comparative study of Ro 03-8799: racemic mixture and enantiomers. Newman HF, et al. **Br J Radiol** 1986 Oct; 59(706):997–9

Radiosensitization after busulphan [letter] Vassal G, et al. **Lancet** 1987 Mar 7;1(8532):571

ANALYSIS

Biological studies on the main fractions of hematoporphyrin derivative. Nelson JS, et al. **Cancer Res** 1987 Feb 15; 47(4):1027–30

Spectroscopic, morphologic, and cytotoxic studies on major fractions of hematoporphyrin derivative and Photofrin II. Sun CH, et al. **Lasers Surg Med** 1987;7(2):171–9

[Comparative studies on the physico-chemical properties of four porphyrin photosensitizers] Liu YL, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):823–8 (Eng. Abstr.) **(Chi)**

METABOLISM

Intracellular distribution of a platinum-rhodamine 123 complex in cis-platinum sensitive and resistant human squamous carcinoma cell lines. Teicher BA, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3365–9

Singlet oxygen intermediacy in the photodynamic action of membrane-bound hematoporphyrin derivative. Thomas JP, et al. **Cancer Lett** 1987 Jun;35(3):295–302

Assessment of DNA binding of platinum-radiosensitizer complexes by inhibition of restriction enzymes. Skov KA, et al. **Chem Biol Interact** 1987;62(2):117–29

In vitro interaction of the photoactive anticancer porphyrin derivative photofrin II with low density lipoprotein, and its delivery to cultured human fibroblasts. Candide C, et al. **FEBS Lett** 1986 Oct 20;207(1):133–8

Radiosensitization by tinidazole: pharmacokinetic study. Cossu F, et al. **Int J Clin Pharmacol Res** 1986;6(4):317–23

[Absorption and distribution of a hematoporphyrin derivative in mice bearing tumors] Wang KQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):90–2 (Eng. Abstr.) **(Chi)**

[Study on acetyl hematoporphyrin (AHP) and hematoporphyrin disodium (HPD) uptake and distribution in vitro and in vivo] Huang GQ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):115–8 (Eng. Abstr.) **(Chi)**

[Localization of metronidazole in the organs of tumor-bearing animals using electron paramagnetic resonance] Zhumabaeva TT, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):671–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of electron-affinic radiosensitizers on ATP levels in V79 379A Chinese hamster cells. Hodgkiss RJ. **Biochem Pharmacol** 1987 Feb 1;36(3):393–6

The effect of localized porphyrin photodynamic therapy on the induction of tumour metastasis. Gomer CJ, et al. **Br J Cancer** 1987 Jul;56(1):27–32

Combinations of single doses and fractionated treatments of cis-dichlorodiammineplatinum (II) and irradiation: effect on mouse lip mucosa. Landuyt W, et al. **Br J Cancer** 1986 Oct;54(4):579–86

Comparison of the cytotoxic effects of merocyanine-540 on leukemic cells and normal human bone marrow. Atzpodien J, et al. **Cancer Res** 1986 Oct;46(10):4892–5

Photosensitizing effects of Photofrin II on the site-selected mitochondrial enzymes adenylate kinase and monoamine oxidase. Murant RS, et al. **Cancer Res** 1987 Aug 15; 47(16):4323–8

Actinomycin D and radiation: effects on mouse lung. Hill SA, et al. **Eur J Cancer Clin Oncol** 1986 May;22(5):577–82

The influence of nitroheterocyclic radiosensitizers on the membrane of red blood cells. Rybczynska M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):468–73

Variation of the radiosensitizing efficiency of RSU-1069 with pre-irradiation contact times: a rapid mix study. Austen KR, et al. **Int J Radiat Biol** 1987 Aug;52(2):281–8

Radiosensitization by cisplatin of RIF1 tumour cells in vitro. Begg AC, et al. **Int J Radiat Biol** 1986 Nov;50(5):871–84

Further studies on toxic and radiosensitizing properties of ruthenium complexes of 4-nitroimidazoles. Chan PK, et al. **Int J Radiat Biol** 1987 Jul;52(1):49–55

Binding mode of 2-amino-5-nitrothiazole (ANT) in platinum complexes, trans-[PtCl2(ANT)2], affects DNA binding, toxicity and radiosensitizing ability. Skov KA, et al. **Int J Radiat Biol** 1987 Aug;52(2):289–97

Radiosensitization by the 2,4-dinitro-5-aziridinyl benzamide CB 1954: a structure/activity study. Walling JM, et al. **Int J Radiat Biol** 1987 Jul;52(1):31–41

Radiosensitization by diamide analogs and arsenicals. Bump EA, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1533–5

Interaction of nitroimidazole sensitizers with drug metabolizing enzymes—spectral and kinetic studies. Lee FY, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1383–7

The use of non-hypoxic cell sensitizers in radiobiology and radiotherapy. Mitchell JB, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1513–8 (41 ref.)

Cytotoxicity of RSU 1069 in spheroids and murine tumors. Olive PL, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1361–6

Sensitization to X ray by 5-chloro-2'-deoxycytidine co-administered with tetrahydrouridine in several mammalian cell lines and studies of 2'-chloro derivatives. Perez LM, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug; 12(8):1523–7

Variation in sensitizing efficiency for SR 2508 in human cells dependent on glutathione content. Phillips TL, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1627–35

Paraquat induced radiosensitization of mammalian cells. Miller RC, et al. **J Radiat Res (Tokyo)** 1986 Jun; 27(2):163–70

An in vitro and in vivo screening system for new hypoxic cell radiosensitizers using EMT6 cells. Shibamoto Y, et al. **Jpn J Cancer Res** 1986 Oct;77(10):1027–33

Chloronitroimidazoles as radiosensitizers of hypoxic cells in vitro. Widel M, et al. **Neoplasma** 1987;34(3):241–51

Genetic toxicology of the photosensitization of Chinese hamster cells by phthalocyanines. Ben-Hur E, et al. **Photochem Photobiol** 1987 Feb;45(2):227–30

Mechanisms of drug photosensitization. Kochevar IE. **Photochem Photobiol** 1987 Jun;45(6):891–5 (46 ref.)

The synergistic effect of aphidicolin on the yield of X-ray-induced chromosome aberrations throughout the cell cycle in JU56 cells. Moore RC, et al. **Radiat Res** 1987 Jun;110(3):385–95

Radiosensitization in vitro by cis-diammine (1,1-cyclobutanedicarboxylato) platinum(II) (carboplatin, JM8) and ethylenediammine-malonatoplatinum(II) (JM40). Begg AC, et al. **Radiother Oncol** 1987 Jun;9(2):157–65

In vitro and in vivo radiosensitizing effects of 2-nitroimidazole derivatives with sugar component. Murayama C, et al. **Strahlenther Onkol** 1987 Jun; 163(6):385–90

[Hypocrellin A-sensitized cross-linking of erythrocyte membrane proteins] Zheng JH, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Dec;19(4):445–53 (Eng. Abstr.) **(Chi)**

[Demonstration in mice, of the radiosensitizing effect of the inhalation of a nitrous oxide/oxygen mixture] Cara M, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):485–90

(Eng. Abstr.) (Fre)
[Effect of ozone and ionizing radiation on an in vitro model—a pilot study of 4 gynecologic tumors] Karlic H, et al. **Strahlenther Onkol** 1987 Jan;163(1):37–42 (Eng. Abstr.) (Ger)
[Effect of misonidazole on the radiosensitivity of Ehrlich ascites tumor cells] Takeuchi H.
Nippon Igaku Hoshasen Gakkai Zasshi 1986 Oct 25; 46(10):1230–9 (Eng. Abstr.) (Jpn)
[Radiomodifying effect of methandrostenolone on laryngeal cancer cells] Bordiushkov IuN, et al. **Eksp Onkol** 1987; 9(2):57–9 (Eng. Abstr.) (Rus)
[Modifying effect of water-soluble analogs of quinoid radiotoxins on hematopoiesis in gamma-irradiated mice] Kopylov VA, et al. **Radiobiologiia** 1987 Jul–Aug; 27(4):558–60 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Evaluation of incorporated iododeoxyuridine cellular radiosensitization by photon activation therapy. Miller RW, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1193–7

THERAPEUTIC USE

Ocular penetration, toxicity, and radiosensitization effects of two hypoxic cell radiosensitizers on retinoblastoma. Rootman J, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1693–7
Photodynamic therapy of C3H mouse mammary carcinoma with haematoporphyrin di-ethers as sensitizers. Evensen JF, et al. **Br J Cancer** 1987 May;55(5):483–6
Response of an ocular melanoma to subconjunctival injection of 5-thio-D-glucose or cis-platin. Skov KA, et al.
Br J Cancer 1987 May;55(5):499–502
Clinical experience with intravenous radiosensitizers in unresectable sarcomas. Kinsella TJ, et al. **Cancer** 1987 Mar 1;59(5):908–15
Evaluation of a tetrazolium-based semiautomated colorimetric assay: assessment of radiosensitivity. Carmichael J, et al. **Cancer Res** 1987 Feb 15;47(4):943–6
Integral laser-photodynamic treatment of multifocal bladder carcinoma photosensitized by hematoporphyrin derivative. Jocham D, et al. **Eur Urol** 1986;12 Suppl 1:43–6
Anaemia as a prognostic factor for the therapeutic effect of radiosensitizers. Révész L, et al. **Int J Radiat Biol** 1987 Apr;51(4):591–5
The effect of hydralazine on the tumor cytotoxicity of the hypoxic cell cytotoxin RSU-1069: evidence for therapeutic gain. Chaplin DJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):579–85
Combined treatment of radiation and cisdiamminedichloroplatinum (II): a review of experimental and clinical data. Dewit L.
Int J Radiat Oncol Biol Phys 1987 Mar;13(3):403–26 (159 ref.)
Failure of misonidazole-sensitized radiotherapy to impact upon outcome among stage III–IV squamous cancers of the head and neck. Fazekas J, et al.
Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1155–60
Preferential tumor radiosensitization by analogs of nicotinamide and benzamide. Horsman MR, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1307–10
Modification of tumor and normal tissue radioresponse in mice by N-methylformamide. Iwakawa M, et al.
Int J Radiat Oncol Biol Phys 1987 Jan;13(1):55–60
The treatment of advanced stage ovarian carcinoma with a combination of chemotherapy, radiotherapy, and radiosensitizer: report of a pilot study from the National Cancer Institute. Lichter AS, et al.
Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1225–31
Photon activation therapy (PAT) [letter] Miller RW, et al.
Int J Radiat Oncol Biol Phys 1987 Sep;13(9):1429
A randomized comparison of misonidazole sensitized radiotherapy plus BCNU and radiotherapy plus BCNU for treatment of malignant glioma after surgery: final report of an RTOG study. Nelson DF, et al.
Int J Radiat Oncol Biol Phys 1986 Oct;12(10):1793–800
The radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors. Ono K, et al.
Int J Radiat Oncol Biol Phys 1986 Oct;12(10):1843–7
Radiosensitizing effect of misonidazole in combination with an inhibitor of glutathione synthesis in murine tumors. Ono K, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1661–6
Partial hypoxia as a cause of radioresistance in a human tumor xenograft: its influence illustrated by the sensitizing effect of misonidazole and hyperbaric oxygen.
Reynaud-Bougnoux A, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1283–6
Reactions of tumors and normal tissues in mice to irradiation in the presence and absence of a perfluorochemical emulsion. Rockwell S, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1315–8
A clinical trial of Fluosol DA 20% in advanced squamous cell carcinoma of the head and neck. Rose C, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1325–7
Irradiation with misonidazole and hyperbaric oxygen: final report on a randomized trial in advanced head and neck cancer. Sealy R, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1343–6
Combinations of CCNU, MISO, and fractionated radiotherapy. Siemann DW, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1379–82
Large fraction irradiation with or without misonidazole in advanced non-oat cell carcinoma of the lung: a phase III randomized trial of the RTOG. Radiation Therapy Oncology Group. Simpson JR, et al.
Int J Radiat Oncol Biol Phys 1987 Jun;13(6):861–7
Enhancement of radiation effects by acyclovir. Sougawa M, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1537–40
Palliation of advanced pelvic malignant disease with large fraction pelvic radiation and misonidazole: final report of RTOG phase I/II study. Spanos WJ Jr, et al.
Int J Radiat Oncol Biol Phys 1987 Oct;13(10):1479–82
Efficacy of Pt(Rh-123)2 as a radiosensitizer with fractionated X rays. Teicher BA, et al.
Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1217–24
Effects of dose and scheduling on growth delay of the Lewis lung carcinoma produced by the perfluorochemical emulsion, Fluosol-DA. Teicher BA, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1311–3
Interactions of radiation, cyclophosphamide and nimorazole in a C3H mammary carcinoma in vivo. Zachariae C, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1445–8
Photosensitization of experimental atheromas by porphyrins. Pollock ME, et al. **J Am Coll Cardiol** 1987 Mar;9(3):639–46
A dose response analysis of purpurin derivatives used as photosensitizers for the photodynamic treatment of transplantable FANFT induced urothelial tumors. Selman SH, et al. **J Urol** 1987 Jun;137(6):1255–7
2-Chloro-4-nitroimidazole radiosensitizers of hypoxic tumor cells in vivo. Watras J, et al. **Neoplasma** 1987;34(3):253–9
Biological activities of phthalocyanines—V. Photodynamic therapy of EMT-6 mammary tumors in mice with sulfonated phthalocyanines. Brasseur N, et al.
Photochem Photobiol 1987 May;45(5):581–6
Elimination of residual tumor cells from autologous bone marrow grafts by dye-mediated photolysis: preclinical data. Sieber F. **Photochem Photobiol** 1987 Jul;46(1):71–6
Misonidazole combined with radiotherapy in the treatment of non-small cell lung cancer. A randomized double-blind trial. Jakobsson M, et al. **Strahlenther Onkol** 1987 Feb; 163(2):90–3
Optimization of cancer radiotherapy with selective sensitizers. Wideröe R. **Strahlenther Onkol** 1987 Jun; 163(6):378–84
[Metronidazole in radiotherapy of squamous cell carcinoma of the lung] Zolkiver KI, et al.
Radiobiol Radiother (Berl) 1986;27(6):691–9 (Eng. Abstr.) (Ger)
[Low-dose platinum radiosensitization in ear, nose and throat tumors] Gefeller D, et al. **Sonderb Strahlenther Onkol** 1987; 81:122–6 (Ger)
[Preoperative radiochemotherapy in advanced oral and oropharyngeal carcinoma] Dobrowsky W, et al.
Strahlenther Onkol 1987 Jun;163(6):357–60 (Eng. Abstr.) (Ger)
[Does CDDP have radiosensitizing properties in the treatment of solid tumors in advanced stage?] Oliveri D, et al. **Minerva Med** 1987 May 15;78(9):599–602 (Eng. Abstr.) (Ita)
[Enhancement of the effect of radiotherapy of Guerin's carcinoma by tinidazole] Nonko VD, et al. **Eksp Onkol** 1987;9(2):64–6 (Eng. Abstr.) (Rus)
[Radiation and combination treatment of maxillary cancer using metronidazole] Andreev VG, et al.
Med Radiol (Mosk) 1986 Nov;31(11):26–30 (Eng. Abstr.) (Rus)
[Radiotherapy of esophageal cancer using local hyperthermia and metronidazole (polyradiomodification)] Isaev IG, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):30–4 (Eng. Abstr.) (Rus)
[Radiosensitizing and toxic action of metronidazole and isometronidazole (1-(2-hydroxyethyl)-2-methyl-4-nitroimidazole) on the cells of Ehrlich ascites cancer and hemoblastosis La in vitro] Proskuriakov SIa, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):766–70 (Eng. Abstr.) (Rus)
[Enhancement by metronidazole of the antitumor effect of cyclophosphane] Riabchenko NI, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):661–3 (Eng. Abstr.) (Rus)

TOXICITY

The effects of whole body hyperthermia on the pharmacokinetics and toxicity of the basic 2-nitroimidazole radiosensitizer Ro 03-8799 in mice. Walton MI, et al.
Br J Cancer 1987 May;55(5):469–76
Relationship between the neurotoxicity of the hypoxic cell radiosensitizer SR 2508 and the pharmacokinetic profile. Coleman CN, et al. **Cancer Res** 1987 Jan 1;47(1):319–22
Chromosome-damaging activity of a ruthenium radiosensitizer, RuCl2 (DMSO)2 (4-nitroimidazole)2, in Chinese hamster ovary cells in vitro. Chan PK, et al.
Chem Biol Interact 1986 Oct 1;59(3):247–54
[Acute toxicity of PSD-007 (a new hematoporphyrin photosensitizer) in mice and dogs] Shen NC, et al.
Chung Kuo Yao Li Hsueh Pao 1986 Jul;7(4):346–50 (Eng. Abstr.) (Chi)

RADIATION SICKNESS see **RADIATION INJURIES**

RADIATION SYNDROME see **RADIATION INJURIES**

RADIATION THERAPY, COMPUTER-ASSISTED see **RADIOTHERAPY, COMPUTER-ASSISTED**

RADIATION TOLERANCE

The plasma membrane as radiosensitive target. Köteles GJ.
Acta Biochim Biophys Hung 1986;21(1-2):81–97
Increased protective effect of hypoxia against radiation following activation of haemopoiesis with dextran sulphate. Vacek A, et al. **Acta Radiol [Oncol]** 1986 Jul-Dec; 25(4-6):285–9
Unique radiosensitivity of serous cells in rhesus monkey submandibular glands. Stephens LC, et al. **Am J Pathol** 1986 Sep;124(3):479–87
Growth and radiosensitivity of malignant melanoma multicellular spheroids initiated directly from surgical specimens of tumours in man. Rofstad EK.
Br J Cancer 1986 Oct;54(4):569–78
Characterization of radiation resistant hypoxic cell subpopulations in KHT sarcomas. (I). Centrifugal elutriation. Siemann DW, et al. **Br J Cancer** 1987 Jan; 55(1):33–6
Modification of radioresponse of intermediate and B-type spermatogonia by a phosphorothioate. Jaimala, et al.
Br J Radiol 1985 Dec;58(696):1224–6
Radiation response of multicellular spheroids initiated from five human melanoma xenograft lines. Relationship to the radioresponsiveness in vivo. Rofstad EK, et al.
Br J Radiol 1986 Oct;59(706):1023–9
A feasibility study of a new approach to clinical radiosensitisation: hypothermia and hyperbaric oxygen in combination with pharmacological vasodilatation. Sealy R, et al. **Br J Radiol** 1986 Nov;59(707):1093–8
Enhanced G2 chromatid radiosensitivity, an early stage in the neoplastic transformation of human epidermal keratinocytes in culture. Gantt R, et al. **Cancer Res** 1987 Mar 1;47(5):1390–7
Lack of effect of thermotolerance on radiation response and thermal radiosensitization of murine bone marrow progenitors. Mivechi NF, et al. **Cancer Res** 1987 Mar 15; 47(6):1538–41
Radiation sensitivity in vitro of cells isolated from human tumor surgical specimens. Rofstad EK, et al.
Cancer Res 1987 Jan 1;47(1):106–10
Role of splenic stroma in the action of bacterial lipopolysaccharides on radiation mortality: a study in mice carrying the Slj allele. Ploemacher RE, et al.
Cell Tissue Kinet 1987 Jan;20(1):29–36
Promotion of radioresistance by metallothionein induction prior to irradiation. Matsubara J, et al. **Environ Res** 1987 Jun;43(1):66–74
In vivo radiosensitivity and recovery pattern of the hematopoietic precursor cells and stem cells in mouse bone marrow. Imai Y, et al. **Exp Hematol** 1987 Sep;15(8):890–5
Ataxia-telangiectasia: an inherited disorder of ionizing-radiation sensitivity in man. Progress in the elucidation of the underlying biochemical defect. McKinnon PJ. **Hum Genet** 1987 Mar;75(3):197–208 (164 ref.)
Intercapillary distance measurement as an indicator of hypoxia in carcinoma of the cervix uteri. Awwad HK, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1329–33
The significance of anemia in clinical radiation therapy. Bush RS. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2047–50
DNA index, ploidy, and radiosensitivity [letter] Courdi A.
Int J Radiat Oncol Biol Phys 1986 Sep;12(9):1714
Contribution to radiation enhancement from Auger cascades [letter] Fairchild RG. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1262–3
Anemia: a problem or an opportunity in radiotherapy? Hirst DG. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2009–17 (74 ref.)
Tolerance revisited [letter] Jones G, et al.
Int J Radiat Oncol Biol Phys 1987 Feb;13(2):290–1
A study of heat and radiation response of a malignant, melanin-producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation. Raaphorst GP, et al.
Int J Radiat Oncol Biol Phys 1986 Dec;12(12):2151–5
Tolerance: a useful concept in radiation therapy [letter] Schultheiss TE. **Int J Radiat Oncol Biol Phys** 1987 Mar; 13(3):470
Sensitivity of mouse Skh:HR-2 to ultraviolet radiation: melanocyte inactivation. Warren R, et al.
J Invest Dermatol 1987 Mar;88(3):266–70
Cross-sensitivity to DNA-damaging agents in radiation-sensitive mutants of murine leukemia cells. Sato K, et al. **J Radiat Res (Tokyo)** 1986 Dec;27(4):378–85
Chromosomal aberrations in an ionizing radiation-sensitive mouse lymphoma mutant cells exposed to gamma-rays and 4-nitroquinoline-1-oxide. Takahashi E, et al.
J Radiat Res (Tokyo) 1986 Dec;27(4):362–70
Intraoperative interstitial hyperthermia in conjunction with intraoperative radiation therapy in a radiation-resistant carcinoma of the abdomen: report on the feasibility of a new technique. Merrick HW, et al. **J Surg Oncol** 1987 Sep; 36(1):48–51
Radiation recall and radiosensitization with alkylating agents [letter] Kellie SJ, et al. **Lancet** 1987 May 16;1(8542):1149–50
The role of glutathione in the aerobic radioresponse. I. Sensitization and recovery in the absence of intracellular glutathione. Clark EP, et al. **Radiat Res** 1986 Dec; 108(3):238–50

Differences in the X-ray sensitivity of cells in different regions of the sandwich, a diffusion-limited system for cell growth. Hlatky L, et al. **Radiat Res** 1986 Oct;108(1):62–73

Initial slope of radiation survival curves is characteristic of the origin of primary and established cultures of human tumor cells and fibroblasts. Malaise EP, et al. **Radiat Res** 1987 Aug;111(2):319–33

Metallothionein induction as a potent means of radiation protection in mice. Matsubara J, et al. **Radiat Res** 1987 Aug;111(2):267–75

Radiosensitization by hypoxic pretreatment with misonidazole: an interaction of damage at the DNA level. Taylor YC, et al. **Radiat Res** 1987 Mar;109(3):364–73

Variation in the sensitivity of the mouse spermatogonial stem cell population to fission neutron irradiation during the cycle of the seminiferous epithelium. van Beek ME, et al. **Radiat Res** 1986 Dec;108(3):282–95

Klaas Breur memorial lecture 1986. Differences in radiosensitivity among cells in culture and in experimental tumours: significance for the effectiveness of human cancer therapy. Barendsen GW. **Radiother Oncol** 1987 Apr; 8(4):285–300

The acute in vitro and in vivo radiosensitivity of human lung tumour lines. Duchesne GM, et al. **Radiother Oncol** 1986 Dec;7(4):353–61

Age dependency of response of the mouse skin to single and multifractionated gamma irradiation. Masuda K, et al. **Radiother Oncol** 1986 Oct;7(2):147–53

The effect of N-acetylcysteine inhalation on the tolerance to thoracic radiation in mice. Tarbell NJ, et al. **Radiother Oncol** 1986 Sep;7(1):77–80

Radiosensitivity of cells in recurrent experimental tumours and the effectiveness of tumour retreatment. van Rotterdam A, et al. **Radiother Oncol** 1987 Feb;8(2):171–6

Oncogenes in radioresistant, noncancerous skin fibroblasts from a cancer-prone family. Chang EH, et al. **Science** 1987 Aug 28;237(4818):1036–9

The raf oncogene is associated with a radiation-resistant human laryngeal cancer. Kasid U, et al. **Science** 1987 Aug 28;237(4818):1039–41

[Analysis of permanent radiation myelopathies--time-dose relationship of spinal cord tolerance] Kanehira C. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):606–20 (Eng. Abstr.) **(Jpn)**

[Radioresistant elements in adenocarcinoma of the uterus] Sasaki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1587–94 (Eng. Abstr.) **(Jpn)**

[Morpho-functional differences at the tissue level between rodents from arid zones, the common vole and laboratory C57Bl mice with different degrees of radiation resistance] Popova MF, et al. **Dokl Akad Nauk SSSR** 1987; 293(2):456–8 **(Rus)**

[Mutants of Escherichia coli K-12 with increased resistance to ionizing radiation. VI. Increased radioresistance and heat shock proteins] Verbenko VN, et al. **Genetika** 1986 Nov; 22(11):2658–63 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of Escherichia coli following irradiation in a permanent magnetic field] Minkova MI, et al. **Kosm Biol Aviakosm Med** 1986 Nov-Dec;20(6):90–1 **(Rus)**

[Vascularization--a prognostic indicator of radiation sensitivity of laryngeal cancer] Balmukhanov SB, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):19–22 (Eng. Abstr.) **(Rus)**

[Possibilities of using mathematical methods in prognostication of individual radiation sensitivity] Chekhonadskiĭ NA, et al. **Med Radiol (Mosk)** 1986 Dec; 31(12):64–6 (Eng. Abstr.) **(Rus)**

[Possibilities of prognostication of individual radiation sensitivity] Darenskaia NG. **Med Radiol (Mosk)** 1986 Dec; 31(12):47–52 (Eng. Abstr.) **(Rus)**

[Prognostication of individual radiation sensitivity of animals, based on the use of a mathematical method of object classification] Darenskaia NG, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):62–4 (Eng. Abstr.) **(Rus)**

[Age-related radiosensitivity of the crystalline lens in chronic experimental internal irradiation with 137Cs at low doses] Gerasimov VI, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):61–3 (Eng. Abstr.) **(Rus)**

[Radiation sensitivity of aerated and hypoxic clonogenic cells of Ehrlich ascites carcinoma] Konopliannikov AG, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):68–70 (Eng. Abstr.) **(Rus)**

[Endocrine status in the prognostication of individual radiation sensitivity] Korotkevich AO. **Med Radiol (Mosk)** 1986 Dec;31(12):83–7 (Eng. Abstr.) **(Rus)**

[Radiosensitivity and intracellular pH in glucose overload conditions] Kublik LN, et al. **Med Radiol (Mosk)** 1986 Nov; 31(11):62–3 **(Rus)**

[Comparative effectiveness of metronidazole, hyperglycemia and hyperthermia in irradiation of Ehrlich carcinoma with fast neutrons] Letov VN, et al. **Med Radiol (Mosk)** 1986 Sep;31(9):45–50 (Eng. Abstr.) **(Rus)**

[Use of the indicators of the proliferative activity of tumors of the oropharyngeal area as qualitative prognostic criteria of the radiotherapy] Poliakov PIu, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):25–9 (Eng. Abstr.) **(Rus)**

[Role of protein poly(ADP-ribosylation) in the radiosensitivity of thymus lymphocytes] Denisenko MF, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):75–8 (Eng. Abstr.) **(Rus)**

[Quantitative characteristics of radiation injury of the spermatogenic epithelium and the rate of its recovery after exposure to fast neutrons and gamma-radiation] Fedorova NL, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):492–6 (Eng. Abstr.) **(Rus)**

[Comparison of changes in succinate dehydrogenase activity in blood lymphocytes and modification of radiosensitivity by exogenous hypoxia] Gaĭdamakin AN, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):524–8 (Eng. Abstr.) **(Rus)**

[Lethal action of accelerated heavy ions on mammalian cells as affected by inhibitors of DNA synthesis. Results of experimental research] Govorun RD, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):177–81 (Eng. Abstr.) **(Rus)**

[Significance of endogenous glutathione in realizing the oxygen effect in bone marrow cells] Konstantinova MM, et al. **Radiobiologiia** 1986 Sep-Oct;26(5):674–7 (Eng. Abstr.) **(Rus)**

[Modifying effect of water-soluble analogs of quinoid radiotoxins on hematopoiesis in gamma-irradiated mice] Kopylov VA, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):558–60 (Eng. Abstr.) **(Rus)**

[Protective effects of cysteamine and anoxia in Escherichia coli mutants] Korystov IuN, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):516–21 (Eng. Abstr.) **(Rus)**

[Changes in the resistance of mice to whole-body lethal irradiation after local irradiation of the abdominal area] Korytnyĭ VS, et al. **Radiobiologiia** 1987 Mar-Apr; 27(2):246–9 (Eng. Abstr.) **(Rus)**

[Lethal action of accelerated heavy ions on mammalian cells as affected by inhibitors of DNA synthesis. A theoretical analysis] Kozubek S, et al. **Radiobiologiia** 1987 Mar-Apr; 27(2):212–7 (Eng. Abstr.) **(Rus)**

[Clonogenic capacity, radiosensitivity and recovery from potentially lethal damage in individual subpopulations of the murine NKLy ascitic tumor] Magda IN, et al. **Radiobiologiia** 1987 May-Jun;27(3):303–7 (Eng. Abstr.) **(Rus)**

[Quantitative description of a change in radiosensitivity] Nekliudov AG, et al. **Radiobiologiia** 1987 Jan-Feb; 27(1):46–51 (Eng. Abstr.) **(Rus)**

[Suppression of the initiation of DNA synthesis as an index of cellular radiosensitivity] Synzynys BI, et al. **Radiobiologiia** 1987 Mar-Apr;27(2):224–7 (Eng. Abstr.) **(Rus)**

[Gamma-irradiation induces in HeLa cells radioresistant DNA synthesis] Synzynys BI, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):459–62 (Eng. Abstr.) **(Rus)**

[Sensitivity to exposure to postradiation repair inhibitors and to repeat irradiation in the progeny of irradiated cells] Taponainen NIa, et al. **Radiobiologiia** 1986 Nov-Dec; 26(6):755–60 (Eng. Abstr.) **(Rus)**

[Determination of the radiosensitivity of interphase-dying cells in the thymus, spleen and bone marrow of rats by flow cytometry] Umanskiĭ SR, et al. **Radiobiologiia** 1986 Nov-Dec;26(6):728–32 (Eng. Abstr.) **(Rus)**

[Survival and repair of single-stranded DNA breaks after gamma-irradiation of Escherichia coli cells depending on the presence of plasmids pKN101 and COIIB-P9] Zhestianikov VD, et al. **Radiobiologiia** 1987 Jul-Aug; 27(4):454–9 (Eng. Abstr.) **(Rus)**

[Effect of the dose rate on the synergism of combined ionizing radiation and hyperthermia] Zhurakovskaia GP, et al. **Radiobiologiia** 1987 Jul-Aug;27(4):487–92 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Protective effect of zinc against lethality in irradiated mice. Matsubara J, et al. **Environ Res** 1986 Dec;41(2):558–67

Purine and its analogues and radiation damage in Bacillus megaterium spores. Powers EL. **Int J Radiat Biol** 1986 Dec;50(6):983–93

Differential radiosensitization of human tumour cells by 3-aminobenzamide and benzamide: inhibitors of poly(ADP-ribosylation). Thraves PJ, et al. **Int J Radiat Biol** 1986 Dec;50(6):961–72

Radiosensitization of Chinese hamster cells by oxygen and misonidazole at low X-ray doses. Watts ME, et al. **Int J Radiat Biol** 1986 Dec;50(6):1009–21

RADIATION, VISIBLE see **LIGHT**

RADIATION, WHOLE BODY see **WHOLE BODY IRRADIATION**

RADICAL NECK DISSECTION

Neck dissection with and without radiotherapy: prognostic factors, patterns of recurrence, and survival. O'Brien CJ, et al. **Am J Surg** 1986 Oct;152(4):456–63

Reconstruction in head and neck cancer: a place for conservatism. Woods JE. **Ann Plast Surg** 1987 Mar; 18(3):209–11

Postoperative hypertension associated with radical neck dissection. McGuirt WF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct; 113(10):1098–100

A new technique to maintain closed-suction drainage catheter function. Wackym PA, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan;113(1):57–8

Anomalies of the common carotid artery: a rare complication of radical neck dissection. Ord RA, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):405–9

Facial nerve grafts: effects of postoperative irradiation. Gullane PJ, et al. **J Otolaryngol** 1987 Mar;16(2):112–5

Blood transfusions in surgery of the larynx and neck. Levine SB, et al. **Laryngoscope** 1986 Oct;96(10):1095–8

The efferent supply of the trapezius muscle: a neuroanatomic basis for the preservation of shoulder function during neck dissection. Weisberger EC. **Laryngoscope** 1987 Apr; 97(4):435–45

Cable grafting of the spinal accessory nerve for rehabilitation of shoulder function after radical neck dissection. Weisberger EC, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):915–8

Recurrence patterns of mobile tongue cancer after radical neck dissection. Fujitani T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):1008–15

[Use of the neck dissection in the treatment of the oro-maxillo-facial cancer] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):5–7, 61 (Eng. Abstr.) **(Chi)**

[Functional radical neck excision. Evaluation of 10 years' experience. Apropos of 434 cases] Florant A, et al. **Ann Otolaryngol Chir Cervicofac** 1986;103(7):465–74 (Eng. Abstr.) **(Fre)**

[Surgical therapy of regional lymph nodes in cancers of the lower lip] Eggert JH, et al. **Hautarzt** 1986 Aug;37(8):444–9 (Eng. Abstr.) **(Ger)**

[Lymphatic metastases of verrucous carcinoma (Ackerman tumor)] Schrader M, et al. **HNO** 1987 Jan;35(1):27–30 (Eng. Abstr.) **(Ger)**

[Postoperative radiotherapy in the treatment of lymph node metastases of laryngeal carcinoma] Baroncelli G, et al. **Acta Otorhinolaryngol Ital** 1987 Jan-Feb;7(1):41–51 (Eng. Abstr.) **(Ita)**

[Therapeutic value of functional laterocervical lymph node dissection in cases of capsular rupture] Cervellera G, et al. **Acta Otorhinolaryngol Ital** 1987 Jan-Feb;7(1):25–31 (Eng. Abstr.) **(Ita)**

[Pre- and postoperative study of lateral cervical excision: considerations on 140 cases] Verdecchia MC, et al. **Acta Otorhinolaryngol Ital** 1986 Nov-Dec;6(6):565–72 (Eng. Abstr.) **(Ita)**

[Clinical study on papillary adenocarcinoma of the thyroid] Yago O, et al. **Gan No Rinsho** 1987 Jun;33(7):769–72 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Intracranial hypertension following neck dissection. de Vries WA, et al. **J Laryngol Otol** 1986 Dec;100(12):1427–31

Stress fracture of the clavicle. A rare late complication of radical neck dissection. Ord RA, et al. **J Maxillofac Surg** 1986 Oct;14(5):281–4

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH) following neck dissection. Wenig BL, et al. **Laryngoscope** 1987 Apr;97(4):467–70

Transthoracic ligation to control chylous fistula--a therapeutic alternative. Mandell-Brown MK. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):430–3

[Rupture of the thoracic duct caused by cervical lymph node dissection] Barrios JM, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):407–12 (Eng. Abstr.) **(Spa)**

METHODS

Modified radical neck dissection. Terminology, technique, and indications. O'Brien CJ, et al. **Am J Surg** 1987 Mar; 153(3):310–6

The role of modified neck dissection in the treatment of cutaneous melanoma of the head and neck. Byers RM. **Arch Surg** 1986 Nov;121(11):1338–41

Evaluation of conservative neck dissection in partial laryngeal surgery. Baredes S. **Bull NY Acad Med** 1986 Oct; 62(8):821–7

MacFee incisions: dispelling the myth of cervical flap vascular inadequacy. Daniell CH, et al. **Head Neck Surg** 1987 Jan-Feb;9(3):167–71

Disability resulting from radical and modified neck dissections [letter] Hillel AD. **Head Neck Surg** 1986 Nov-Dec;9(2):127–9

Radical neck dissection compared to modified neck dissection [letter] Schuller DE, et al. **Head Neck Surg** 1986 Nov-Dec; 9(2):127

The value of lymph-node dissection in patients with differentiated thyroid cancer. Noguchi S, et al. **Surg Clin North Am** 1987 Apr;67(2):251–61 (30 ref.)

NURSING

Nursing interventions for the patient with a myocutaneous flap. Mahon SM. **Cancer Nurs** 1987 Feb;10(1):21–31

REHABILITATION

New rehabilitation concepts in management of radical neck dissection syndrome. A clinical report. Herring D, et al. **Phys Ther** 1987 Jul;67(7):1095–9

RADICULAR CYST

COMPLICATIONS

Gyrate erythema in a patient with dental radicular cyst. Monti M, et al. **Dermatologica** 1987;174(1):30–3

DIAGNOSIS

[Clinico–morphological characteristics of periradicular cysts bordering on the maxillary sinus] Agapov VS, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):11–3 (Eng. Abstr.) (Rus)

METABOLISM

Prostaglandin F2 alpha level in radicular cyst fluid. Petrovic V. **Bull Group Int Rech Sci Stomatol Odontol** 1986 Mar–Jun;29(1–2):25–30

PATHOLOGY

Squamous carcinoma arising in a dental cyst. Lavery K, et al. **Br Dent J** 1987 Apr 11;162(7):259–60

Squamous odontogenic tumor–like islands in a radicular cyst: report of a case. Unal T, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):346–9

Age changes in residual radicular cysts. High AS, et al. **J Oral Pathol** 1986 Nov;15(10):524–8

Cells infiltrating human periapical inflammatory lesions. Kontiainen S, et al. **J Oral Pathol** 1986 Nov;15(10):544–6

[Epidermoid cysts and implants. Anatomo–pathologic findings] Commissionat Y, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):26–30 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

[Ultrastructural study of the formation of cholesterol crystals in dental periapical lesions] Escola R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1986 Oct–Dec; 294(3–4):129–40 (Eng. Abstr.) (Fre)

RADICULITIS

CEREBROSPINAL FLUID

[Primary meningoradiculitis of probable viral origin] Pollingher B, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr–Jun;32(2):137–42 (Eng. Abstr.) (Rum)

COMPLICATIONS

[Value of testing vibration sensation in diagnosing spondylogenic pain syndromes] Ruzikowski E. **Neurol Neurochir Pol** 1986 Nov–Dec;20(6):553–7 (Eng. Abstr.) (Pol)

DIAGNOSIS

Bannwarth's syndrome: serum and CSF IgG antibodies against Borrelia burgdorferi examined by ELISA. Hofstad H, et al. **Acta Neurol Scand** 1987 Jan;75(1):37–45

[Meningoradiculitis caused by Borrelia burgdorferi] Sundøy A, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):28–9 (Eng. Abstr.) (Nor)

[Meningoradiculitis] Ludianskiĭ EA. **Klin Med (Mosk)** 1986 Sep;64(9):61–4 (Eng. Abstr.) (Rus)

[Dynamic 4–zone sensometry in vertebrogenic lumbosacral radiculitis and lumboischialgia] Iaretskiĭ GI, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):493–7 (Eng. Abstr.) (Rus)

[Pain syndrome in stenosis of the lumbar division of the spinal canal] Orlov IuA, et al. **Zh Vopr Neirokhir** 1987 Mar–Apr; (2):60–3 (Rus)

DRUG THERAPY

[Infusion therapy of acute vertebragenic pain syndrome] Berger M, et al. **Wien Med Wochenschr** 1987 Jul 15; 137(13):310–4 (Eng. Abstr.) (Ger)

[Changes in the mucosa of the stomach and duodenum in patients with lumbosacral radiculitis undergoing medical treatment] Novikov VS, et al. **Voen Med Zh** 1987 Apr; (4):45–6 (Rus)

ETIOLOGY

Tick–borne lymphocytic meningoradiculitis in Ireland: Bannwarth's syndrome/Lyme disease. Carmody E, et al. **Ir Med J** 1987 May;80(5):154

[Neurologic aspects of Lyme disease] Masson C. **Presse Med** 1987 Jan 24;16(2):72–5 (30 ref.) (Eng. Abstr.) (Fre)

[Meningoradiculitis after a tick bite. Study of 31 cases] Hirsch E, et al. **Rev Neurol (Paris)** 1987;143(3):182–8 (Eng. Abstr.) (Fre)

[Lyme disease of a neurological form. Apropos of 2 new cases of meningoradiculitis] Collet P, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):401–2 (Fre)

[Diagnosis and microsurgical treatment of discogenic lumbosacral radiculitis] Al'–Asbakhi NA, et al. **Zh Vopr Neirokhir** 1986 Nov–Dec;(6):47–53 (Eng. Abstr.) (Rus)

OCCURRENCE

Bannwarth's syndrome in the Netherlands. Wokke JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):351

PHYSIOPATHOLOGY

Tick bite meningoradiculitis. Ten cases. Lubeau M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Feb; 263(3):321–3

RADIOGRAPHY

Epidural lipomatosis with lumbar radiculopathy: CT appearance. Randall BC, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1039–41

SURGERY

Management of cervical radiculopathy. Hunt WE, et al. **Clin Neurosurg** 1986;33:485–502

Percutaneous radiofrequency rhizotomy of the lumbar facets. Katz SS, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):523–5

THERAPY

[Evaluation of the efficacy of treating the lumbosacral pain syndrome according to the degree of respiratory rhythm irregularity upon inclining the body forward] Vagin IuE, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1155–8 (Eng. Abstr.) (Rus)

RADIO

The contribution of personal radios to the noise exposure of employees at one industrial facility. Skrainar SF, et al. **Am Ind Hyg Assoc J** 1987 Apr;48(4):390–5

Inexpensive stethoscopic transmitter [letter] Redon D, et al. **Anesthesiology** 1987 Aug;67(2):283

Radio diagnosis of skin disease. Altchek DD. **Cutis** 1987 Mar; 39(3):240

70+ and going strong. Mary Bianchini makes a difference [interview] Bianchini M. **Geriatr Nurs (New York)** 1987 Jan–Feb;8(1):46–7

Reflections of a radio psychiatrist. Ruben HL. **Hosp Community Psychiatry** 1986 Sep;37(9):934–6

JoAnn Woodward: opening channels of communication; marketing the NP role. Pearson LJ. **Nurse Pract** 1986 Nov; 11(11):55, 59–62

Radio—spreading the word on family planning. Gilluly RH, et al. **Popul Rep [J]** 1986 Sep–Oct;(32):J853–86 (210 ref.)

[Medical advice for seamen via radio. The Radio Medical Advice Service in Denmark] Jørgensen LN, et al. **Ugeskr Laeger** 1987 Mar 9;149(11):743–6 (Eng. Abstr.) (Dan)

[On the margin of a radio announcement—cause for rejoicing or sadness? (letter)] Pintér A. **Orv Hetil** 1987 Jul 19; 128(29):1546 (Hun)

[Hygienic evaluation of the effect of radio noise on mental work capacity] Dmitriev MT, et al. **Gig Sanit** 1987 Feb; (2):76–8 (Rus)

INSTRUMENTATION

Crusted papules on the arm and trunk. Walkman dermatosis, or adapter dermatosis. Mitchell DF, et al. **Arch Dermatol** 1987 Sep;123(9):1225–6, 1228–9

[Hearing loss caused by a walkman radio?] Krähenbühl D, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):286–9 (Eng. Abstr.) (Ger)

STANDARDS

Low volume radios may be safe [letter] Salon MC. **Occup Health Saf** 1987 May;56(5):88

RADIO–HIPPURAN see **IODOHIPPURIC ACID**

RADIO WAVES

see related
RADAR

Rewarming in accidental hypothermia: radio wave versus inhalation therapy. White JD, et al. **Ann Emerg Med** 1987 Jan;16(1):50–4

Control of energy absorption rate in transmission line radiofrequency exposure systems. Ali JS, et al. **Bioelectromagnetics** 1987;8(2):165–72

Normalizing the thermal effects of radiofrequency radiation: body mass versus total body surface area. Gordon CJ. **Bioelectromagnetics** 1987;8(2):111–8

Specific absorption rate in humans in vivo at radio frequencies. Kraszewski A, et al. **Bioelectromagnetics** 1987; 8(1):103–6

Metabolic and vasomotor responses of rhesus monkeys exposed to 225–MHz radiofrequency energy. Lotz WG, et al. **Bioelectromagnetics** 1987;8(1):73–89

Rewarming of the hypothermic rhesus monkey with electromagnetic radiation. Olsen RG, et al. **Bioelectromagnetics** 1987;8(2):183–93

Further studies on the neurochemical specificity of 6–hydroxydopamine as compared to radiofrequency lesions. Willis GL, et al. **Brain Res** 1987 Feb 10; 403(1):15–21

Radiofrequency capacitive hyperthermia for deep–seated tumors. II. Effects of thermoradiotherapy. Hiraoka M, et al. **Cancer** 1987 Jul 1;60(1):128–35

Radiofrequency capacitive hyperthermia for deep–seated tumors. I. Studies on thermometry. Hiraoka M, et al. **Cancer** 1987 Jul 1;60(1):121–7

Effects of radiofrequency radiation and simultaneous exposure with mitomycin C on the frequency of sister chromatid exchanges in Chinese hamster ovary cells. Ciaravino V, et al. **Environ Mutagen** 1987;9(4):393–9

Rigidity in rats due to radio frequency decerebration and effects of chlorpromazine and mephenesin. Ono H, et al. **Gen Pharmacol** 1987;18(1):57–9

An interim note about applying the IRPA pulsed radiofrequency guidelines [letter] Miller GC. **Health Phys** 1987 Aug;53(2):197

Closed chest catheter desiccation of the atrioventricular junction using radiofrequency energy—a new method of catheter ablation. Huang SK, et al. **J Am Coll Cardiol** 1987 Feb;9(2):349–58

Reduction in metabolic heat production during exposure to radio–frequency radiation in the rat. Gordon CJ. **J Appl Physiol** 1987 May;62(5):1814–8

Three separation–insensitive radiofrequency inductive links. Donaldson PE. **J Med Eng Technol** 1987 Jan–Feb; 11(1):23–9

Thermometric consideration for RF and microwave research in food engineering. Ofoli RY. **J Microw Power Electromagn Energy** 1986;21(2):57–63 (43 ref.)

Dielectric properties of beef, beef liver, chicken and salmon at frequencies from 100 to 2500 MHz. Tran VN, et al. **J Microw Power Electromagn Energy** 1987;22(1):29–33

A macroscopic model of lungs and a material simulating their properties at radio and microwave frequencies. Kraszewski A, et al. **J Microwave Power** 1986;21(4):233–40

Statistical properties of radio–frequency and envelope–detected signals with applications to medical ultrasound. Wagner RF, et al. **J Opt Soc Am [A]** 1987 May; 4(5):910–22

Technical limitations to the efficacy of radiofrequency neurotomy for spinal pain. Bogduk N, et al. **Neurosurgery** 1987 Apr;20(4):529–35

In vitro dielectric properties of human tissues at radiofrequencies. Surowiec A, et al. **Phys Med Biol** 1987 May;32(5):615–21

In vivo and in vitro dielectric properties of feline tissues at low radiofrequencies. Surowiec A, et al. **Phys Med Biol** 1986 Aug;31(8):901–9

Effect of amplitude–modulated 147 MHz radiofrequency radiation on calcium ion efflux from avian brain tissue. Albert EN, et al. **Radiat Res** 1987 Jan;109(1):19–27

Mitogen responsiveness after exposure of influenza virus–infected human mononuclear leukocytes to continuous or pulse–modulated radiofrequency radiation. Roberts NJ Jr, et al. **Radiat Res** 1987 Jun;110(3):353–61

[Method for summing up the radio–frequency electromagnetic fields emitted by several sources] Uzunov V, et al. **Probl Khig** 1986;11:72–80 (Eng. Abstr.) (Bul)

[Radiofrequency hyperthermotherapy in cancer of the liver, bile duct and pancreas] Kurihara M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Dec 20;21(10):2337–42 (Eng. Abstr.) (Jpn)

[Preclinical experiments of interstitial hyperthermia with an agar phantom and a dog] Akine Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Apr 25; 46(4):595–8 (Eng. Abstr.) (Jpn)

[Study of the characteristics of the effect of radio–sound using spherical models] Shorokhov VV, et al. **Biofizika** 1986 Jul–Aug;31(4):695–700 (Eng. Abstr.) (Rus)

[Modeling of the electromagnetic field of television stations in biomedical experiments] Dumanskiĭ IuD, et al. **Gig Sanit** 1987 Apr;(4):64–6 (Rus)

[Evaluation of the electromagnetic environment created by airport radio communications equipment during its hygienic regulation] Dumanskiĭ IuD, et al. **Gig Sanit** 1987 Jan;(1):47–9 (Rus)

[Reduced effect of ionizing radiation during uneven heating of tissues by UHF–field] Lopatin VF. **Med Radiol (Mosk)** 1986 Oct;31(10):52–5 (Eng. Abstr.) (Rus)

[Roentgenomorphologic characteristics of the course of destructive tuberculosis after exposure of the pulmonary area to a decimeter–range superhigh–frequency field (experimental study)] Zemskova ZS, et al. **Probl Tuberk** 1986;(12):51–5 (Eng. Abstr.) (Rus)

[Effect of electromagnetic fields of UHF range on dopamine–dependent behavior of rabbits] Andreeva LA, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):567–9 (Eng. Abstr.) (Rus)

[Bone marrow T– and B–lymphocytes following exposure to decimeter waves (experimental study)] Evstropov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):24–6 (Eng. Abstr.) (Rus)

[Effect of decimeter waves on glucocorticoid reception in the liver of the rat] Gontar' EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):21–4 (Eng. Abstr.) (Rus)

[Development of burst activity in cerebellar Purkinje cells in response to decimeter waves] Grigor'ian RA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec; (6):15–8 (Eng. Abstr.) (Rus)

[Effect of decimeter–wave therapy and "dry" carbon dioxide baths on the regional hemodynamics of patients with atherosclerosis of the aorta and peripheral vessels in the early postoperative period] Kniazeva TA, et al.

Vopr Kurortol Fizioter Lech Fiz Kult 1987 Jan-Feb;(1):18-20 (Eng. Abstr.) **(Rus)**

[Accurate dosing for procedures of decimeter-wave therapy] Kretlova EL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan-Feb;(1):58-61 **(Rus)**

[Effect of microwaves on recovery of disrupted motor functions of the brain (experimental study)] Malikova SN. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov-Dec;(6):18-21 **(Rus)**

[Effect of a decimeter-wave electromagnetic field on the motor function of the stomach in gastroduodenitis in children] Petrukhina LM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan-Feb;(1):54-6 **(Rus)**

ADVERSE EFFECTS

Transcatheter desiccation of the canine left ventricle using radiofrequency energy: a pilot study. Huang SK, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):42-8

On minimisation of toxicity to skin during capacitive radio-frequency hyperthermia. Reddy NM, et al. **Br J Radiol** 1986 Nov;59(707):1129-31

Effects of continuous low-level exposure to radiofrequency radiation on intrauterine development in rats. Tofani S, et al. **Health Phys** 1986 Oct;51(4):489-99

The effects of low-level radiofrequency and microwave radiation on brain tissue and animal behaviour. Blackwell RP, et al. **Int J Radiat Biol** 1986 Nov;50(5):761-87 (89 ref.)

Electrophysiologic and histologic observations of chronic atrioventricular block induced by closed-chest catheter desiccation with radiofrequency energy. Huang SK, et al. **PACE** 1987 Jul;10(4 Pt 1):805-16

Radiofrequency and microwave radiation in the microelectronics industry. Cohen R. **State Art Rev Occup Med** 1986 Jan-Mar;1(1):145-54 (12 ref.)

[Possible consequences of urban pollution caused by radio frequency] Gobbato F, et al. **G Ital Med Lav** 1985 Sep-Nov;7(5-6):165-74 (Eng. Abstr.) **(Ita)**

RADIOACTIVE FALLOUT

A cohort study of cancer incidence in Mormon families exposed to nuclear fallout versus an area-based study of cancer deaths in whites in southwestern Utah. Johnson CJ. **Am J Epidemiol** 1987 Jan;125(1):166-8

Fallout sheltering: is it feasible? Ehrlich R, et al. **Health Phys** 1987 Mar;52(3):267-80

Decay rate of gamma radiation from nuclear weapons fallout. Haaland CM. **Health Phys** 1987 Sep;53(3):313-9

Fallout 3H ingestion in Akita, Japan. Hisamatsu S, et al. **Health Phys** 1987 Sep;53(3):287-93

Ingestion intake of fallout Pu in Japan. Hisamatsu S, et al. **Health Phys** 1987 Feb;52(2):193-200

An evaluation of the U.S. Army fallout prediction model. Pernick A, et al. **Health Phys** 1987 Jun;52(6):739-51

Cesium-137 body burdens in Norwegian Lapps, 1965-1983. Westerlund EA, et al. **Health Phys** 1987 Feb;52(2):171-7

Radiologic hazards and defense. Morrison JE. **J Am Vet Med Assoc** 1987 Mar 15;190(6):746-61

Nuclear disaster. Schulte SJ. **J Am Vet Med Assoc** 1987 Mar 15;190(6):762-89

Chernobyl and hypothyroidism [letter] Cook DB, et al. **Lancet** 1987 May 23;1(8543):1206

Nuclear winter. Holdstock D. **Med War** 1987 Apr-Jun;3(2):121-3

Chernobyl fallout in Debrecen, Hungary [letter] Csongor E, et al. **Nature** 1986 Nov 20-26;324(6094):216

British sheep still contaminated by Chernobyl fallout [news] Johnston K. **Nature** 1987 Aug 20-26;328(6132):661

Chernobyl fallout in size-fractionated aerosol [letter] Jost DT, et al. **Nature** 1986 Nov 6-12;324(6092):22-3

Alimentary restrictions and 131I in human thyroids [letter] Orlando P, et al. **Nature** 1986 Nov 6-12;324(6092):23

The northerly extent of Chernobyl contamination [letter] Pourchet M, et al. **Nature** 1986 Oct 23-29;323(6090):676

Chernobyl fallout. Pugwash's radioactive trousers [news] Rich V. **Nature** 1986 Oct 2-8;323(6087):387

Chernobyl: Polish fallout underestimated [news] Rich V. **Nature** 1986 Dec 18-31;324(6098):603

Radioactive fallout swipe samples from Chernobyl [letter] Sadasivan S, et al. **Nature** 1986 Nov 6-12;324(6092):23-4

Core fragments in Chernobyl fallout [letter] van der Veen J, et al. **Nature** 1986 Oct 2-8;323(6087):399-400

Nuclear winter and the longer-term consequences of nuclear war. Geiger HJ, et al. **Prev Med** 1987 May;16(3):308-18

The Chernobyl accident--radionuclide fallout in S.W. England. Hamilton EI, et al. **Sci Total Environ** 1986 Dec 1;57:231-51

Radioactive cesium from the Chernobyl accident in the Greenland Ice Sheet. Davidson CI, et al. **Science** 1987 Aug 7;237(4815):633-4

[Comments concerning the fallout of the Chernobyl accident] Lafontaine A. **Bull Mem Acad R Med Belg** 1986;141(7):392-8 **(Fre)**

[The Radiation Protection Planning Act: inspection of environmental radioactivity and precautionary steps after a nuclear accident] Fricke A. **DTW** 1987 Jun 9;94(6):370-2 (Eng. Abstr.) **(Ger)**

[Retention of radionuclides in cattle as a consequence of fallout from Chernobyl: retention per unit time and application of a model for the prediction of the course of retention] Gentile G, et al. **DTW** 1987 May 7;94(5):252-8 (Eng. Abstr.) **(Ger)**

[Estimation of radionuclides on the basis of radioecologic models] Müller H. **DTW** 1987 Jun 9;94(6):367-70 (Eng. Abstr.) **(Ger)**

[On G. Poretti's paper "Units and dosimetry of radioactive elements" (letter)] Walter M. **Schweiz Med Wochenschr** 1987 Jan 24;117(4):142-3 **(Ger)**

[The Chernobyl accident. Dosimetric evaluation and estimation of the risks (letter)] Breuer F, et al. **Radiol Med (Torino)** 1987 Jan-Feb;73(1-2):137-8 **(Ita)**

[Radioactive fallout and thyroid cancer in Norway] Lund E, et al. **Tidsskr Nor Laegeforen** 1986 Aug 10;106(22):1680-2 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Estimates of cancer incidence in Alaskan natives due to exposure to global radioactive fallout from atmospheric nuclear weapons testing. Stutzman CD, et al. **Alaska Med** 1986 Jul-Sep;28(3):67-77

Cancer mortality and radioactive fallout in southwestern Utah. Machado SG, et al. **Am J Epidemiol** 1987 Jan;125(1):44-61

Toxoplasma antibodies and retinochoroiditis in the Marshall Islands and their association with exposure to radioactive fallout. Adams WH, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):315-20

Fallout, radiation doses near Dounreay, and childhood leukaemia. Darby SC, et al. **Br Med J [Clin Res]** 1987 Mar 7;294(6572):603-7

Thyroid neoplasia in Marshall Islanders exposed to nuclear fallout. Hamilton TE, et al. **JAMA** 1987 Aug 7;258(5):629-35

Carcinogenicity of radiation doses caused by the Chernobyl fall-out in Sweden, and prevention of possible tumors. Reizenstein P. **Med Oncol Tumor Pharmacother** 1987;4(1):1-5

Rem overdose [letter] Rossi HH. **Nature** 1987 Feb 12-18;325(6105):570

Serologic markers for hepatitis B among Marshallese accidentally exposed to fallout radiation in 1954. Adams WH, et al. **Radiat Res** 1986 Oct;108(1):74-9

[Medical consequences of nuclear weapons for Denmark. V. Health consequences for Denmark] **Ugeskr Laeger** 1986 Aug 25;148(35):2242-56 **(Dan)**

[Radioactive fallout and thyroid cancer in Norway (letter)] Andersen A, et al. **Tidsskr Nor Laegeforen** 1986 Oct 10;106(28):2356-7 **(Nor)**

[Radioactive fallout and thyroid cancer in Norway (letter)] Holm LE. **Tidsskr Nor Laegeforen** 1986 Nov 10;106(31):2671 **(Nor)**

[Radioactive fallout after reactor accidents and nuclear weapons testing] Lote K, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20;106(23):1836-40 (Eng. Abstr.) **(Nor)**

[Remote sequelae of the effects of small doses of ionizing radiation on humans] Brilliant MD, et al. **Ter Arkh** 1987;59(6):3-8 **(Rus)**

ANALYSIS

Radioactivity measurements in northwest Italy after fallout from the reactor accident at Chernobyl. Corvisiero P, et al. **Health Phys** 1987 Jul;53(1):83-7

Observation of fallout in Hiroshima caused by the reactor accident at Chernobyl. Shizuma K, et al. **Int J Radiat Biol** 1987 Feb;51(2):201-7

Thyroid radiation dose in Britain arising from the Chernobyl accident [letter] Bowlt C. **Lancet** 1986 Sep 27;2(8509):756

Doses from Chernobyl radiocaesium [letter] Fry FA, et al. **Lancet** 1987 Jul 18;2(8551):160-1

Concentration of fallout plutonium in tissues of Japanese who died during 1980-1984. Takizawa Y, et al. **Radiat Res** 1987 Feb;109(2):245-55

METABOLISM

Pathway: a dynamic food-chain model to predict radionuclide ingestion after fallout deposition. Whicker FW, et al. **Health Phys** 1987 Jun;52(6):717-37

RADIOACTIVE POLLUTANTS

Health physics aspects of nuclear issues in New Zealand over the last decade. McEwan AC. **Australas Phys Eng Sci Med** 1986 Apr-Jun;9(2):77-81

Radioactive contamination of manufactured products. Lubenau JO, et al. **Health Phys** 1986 Oct;51(4):409-25

Indoor ventilation rates for 222Rn. Terilli TB, et al. **Health Phys** 1987 Jun;52(6):801-3

Seasonal variation of indoor Rn at a location in the southwestern United States [published erratum appears in Health Phys 1987 Aug;53(2):201] Wilkening M, et al. **Health Phys** 1986 Oct;51(4):427-36

Radiologic hazards and defense. Morrison JE. **J Am Vet Med Assoc** 1987 Mar 15;190(6):746-61

A radiation-hygienic appraisal of biosphere contamination with 129I. Vasilenko IYa. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):243-8 (29 ref.)

[Estimation of radionuclides on the basis of radioecologic models] Müller H. **DTW** 1987 Jun 9;94(6):367-70 (Eng. Abstr.) **(Ger)**

[Environmental risk in energy production: experimental results, calculations and reflections after Chernobyl] Belli M, et al. **Ann Ist Super Sanita** 1987;23(2):177-522 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Childhood leukaemia and radioactive discharges at Sellafield [letter] Jakeman D. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1174

Childhood leukemia and radioactive discharges at Seascale [letter] Mole RH. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):953

Hard battles on radiation safety. **Nature** 1987 Sep 17-23;329(6136):185-6

[Cancer among Danish workers engaged in cleaning radioactive pollution in Thule, Greenland in 1968] Storm HH. **Ugeskr Laeger** 1987 Apr 27;149(18):1218-20 (Eng. Abstr.) **(Dan)**

ANALYSIS

Radioactivity in breast milk in central Italy in the aftermath of Chernobyl. Di Lallo D, et al. **Acta Paediatr Scand** 1987 May;76(3):530-1

Plutonium and Am contamination of tourist property and estimated inhalation intake of visitors to Kiev after the Chernobyl accident. Kawamura H. **Health Phys** 1987 Jun;52(6):793-5

Radioactivity in air, rain, soil, plants and food after the Czernobyl incident. Bangert K, et al. **Naturwissenschaften** 1986 Aug;73(8):495-8

An examination of 3H and 14C hand contamination at the radioisotope laboratory of a medical school. Takizawa Y, et al. **Radioisotopes** 1986 Dec;35(12):648-50

[The Chernobyl reactor accident and radioactive particles found in Finland] Rytömaa T, et al. **Duodecim** 1986;102(17):1190-6 **(Fin)**

[The Radiation Protection Planning Act: inspection of environmental radioactivity and precautionary steps after a nuclear accident] Fricke A. **DTW** 1987 Jun 9;94(6):370-2 (Eng. Abstr.) **(Ger)**

METABOLISM

The interception and retention of 238Pu deposition by orange trees. Pinder JE 3d, et al. **Health Phys** 1987 Jun;52(6):707-15

RADIOACTIVE TRACERS see under **RADIOISOTOPES**

RADIOACTIVE WASTE

Retention of indium 111 by incinerator ash [letter] Mountford PJ, et al. **Br J Radiol** 1986 Oct;59(706):1050-1

Concentration ratios of natural U for cattail pollen. Amiro BD, et al. **Health Phys** 1987 Feb;52(2):233-5

Radionuclide export by deer mice at a solid radioactive waste disposal area in southeastern Idaho. Arthur WJ, et al. **Health Phys** 1987 Jan;52(1):45-53

A generic probabilistic risk analysis for a high-level waste repository. Cohen BL. **Health Phys** 1986 Oct;51(4):519-28

Dose assessment from incineration of deregulated solid biomedical radwaste. Evdokimoff V. **Health Phys** 1987 Mar;52(3):325-9

Incineration and monitoring of low-level 3H and 14C wastes at a biological research institution. Hamrick PE, et al. **Health Phys** 1986 Oct;51(4):469-78

Evaluation of a terrestrial food-chain model using natural analogs. Kocher DC. **Health Phys** 1987 Jan;52(1):79-82

Trees as indicators of subterranean water flow from a retired radioactive waste disposal site. Rickard WH, et al. **Health Phys** 1987 Feb;52(2):201-6

Monitoring of radioactive "dirty linen" after iodine-131 therapy [letter] Marcus CS, et al. **J Nucl Med** 1987 Jun;28(6):1064

Sorption of low-level radwaste by Spirulina. Tseng CL, et al. **Radioisotopes** 1986 Oct;35(10):540-2

A review of the high-level nuclear waste repository siting analysis. Gregory R, et al. **Risk Anal** 1987 Jun;7(2):219-23

An analysis of the portfolio of sites to characterize for selecting a nuclear repository. Keeney RL. **Risk Anal** 1987 Jun;7(2):195-218

A multiattribute utility analysis of alternative sites for the disposal of nuclear waste. Merkhofer MW, et al. **Risk Anal** 1987 Jun;7(2):173-94

ADVERSE EFFECTS

A case-control study of lung cancer relative to domestic radon exposure. Lees RE, et al. **Int J Epidemiol** 1987 Mar;16(1):7-12

ANALYSIS

Ra-226 concentrations in otter, Lutra canadensis, trapped near uranium tailings at Elliot Lake, Ontario. Wren CD, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):209-12

Radium-226 contents and Rn emanation coefficients of particle-size fractions of alkaline, acid and mixed U mill tailings. Landa ER. **Health Phys** 1987 Mar;52(3):303-10

Determination of 241Pu in low-level radioactive wastes from reactors. Martin JE. **Health Phys** 1986 Nov;51(5):621-31

Partitioning of natural radionuclides in the waste streams of coal-fired utilities. Roeck DR, et al. **Health Phys** 1987 Mar;

52(3):311–23
Measurement of 99Tc in low-level radioactive waste from reactors using 99mTc as a tracer. Martin JE, et al. **Int J Rad Appl Instrum [A]** 1987;38(6):447–50

ECONOMICS

Disposal costs for radioactive waste steadily increase. Cherskov M. **Hospitals** 1986 Dec 20;60(24):80

STANDARDS

Comments on Rn emanation from natural deposits of U and remedial actions [letter] Hazle AJ. **Health Phys** 1987 Jul; 53(1):93

RADIOACTIVITY

Becquerel: unit and eponym. Herbert MT. **Radiography** 1986 Sep–Oct;52(605):252
[Basic principles of the measurement and effect of radioactivity] Kirchhoff K. **DTW** 1987 Jun 9;94(6):351–4 (Eng. Abstr.) **(Ger)**
[Effect of chronic gamma irradiation on dehydrogenase activity in the tissues of root voles and their progeny dwelling in a habitat with increased radioactivity] Pikulev AT, et al. **Radiobiologiia** 1987 Mar–Apr;27(2):218–23 (Eng. Abstr.) **(Rus)**

RADIOALLERGOSORBENT TEST see under **RADIOIMMUNOASSAY**

RADIOAUTOGRAPHY see **AUTORADIOGRAPHY**

RADIOBIOLOGY

see related
NUCLEAR MEDICINE

[Clinical radiobiology and its tasks] Navrátil L, et al. **Cas Lek Cesk** 1986 Sep 5;125(36):1135–6 (Eng. Abstr.) **(Cze)**
[Radiobiological rationale of neutron radiotherapy] Masuda K, et al. **Fukuoka Igaku Zasshi** 1986 Dec;77(12):641–50 (65 ref.) **(Jpn)**

TRENDS

[Current problems of thermobiology] Konopliannikov AG. **Med Radiol (Mosk)** 1987 Jan;32(1):53–6 **(Rus)**

RADIOCHEMISTRY

INSTRUMENTATION

A device for small scale experimental cell irradiators using 90Sr applicators. Zanelli GD, et al. **Int J Rad Appl Instrum [A]** 1986;37(2):183–4

METHODS

Accurate determination of 14CO2 by expulsion from blood. Kaczmar BU, et al. **Int J Rad Appl Instrum [A]** 1987; 38(7):577–8
Production of no-carrier added 67Cu. Mirzadeh S, et al. **Int J Rad Appl Instrum [A]** 1986;37(1):29–36
Production of cobalt-55, a short-lived, positron emitting radiolabel for bleomycin. Sharma H, et al. **Int J Rad Appl Instrum [A]** 1986;37(2):105–9
Production of gallium-66, a short-lived, positron emitting radionuclide. Zweit J, et al. **Int J Rad Appl Instrum [A]** 1987;38(7):499–501

RADIOCINEMATOGRAPHY see **CINERADIOGRAPHY**

RADIODERMATITIS

COMPLICATIONS

Drug eruption localized to previously irradiated skin [letter] Vukelja SJ, et al. **Cancer Treat Rep** 1987 Jun;71(6):668–9

DIAGNOSIS

[Capillaroscopic and clinical correlations in chronic occupational radiodermatitis] Petruzzellis V, et al. **G Ital Med Lav** 1985 Sep–Nov;7(5–6):231–5 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Radiation-induced skin cancer and radiodermatitis of the head and neck. van Vloten WA, et al. **Cancer** 1987 Feb 1;59(3):411–4
[Role of injuries to the vascular plexus in the development of a radiation lesion of the skin in swine] Arkhipova EE, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):826–9 (Eng. Abstr.) **(Rus)**
[Clinical effects of combined radiation injuries] Gogin EE. **Ter Arkh** 1987;59(6):8–14 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Occupational radiodermatitis from Ir192 exposure. Condé-Salazar L, et al. **Contact Dermatitis** 1986 Oct; 15(4):202–4
Radiodermatitis—an analysis of 43 cases. Okazaki M, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):356–65

SURGERY

The latissimus dorsi free flap for coverage of sacral radiodermatitis in the ambulatory patient. Stark D, et al. **Ann Plast Surg** 1987 Jul;19(1):80–3
Radiation dermatitis. Shack RB, et al. **Clin Plast Surg** 1987 Apr;14(2):391–401
[Use of the temporal muscle in the repair of radiodermatitis] Macripò G, et al. **Minerva Chir** 1987 Apr 15;42(7):659–62 (Eng. Abstr.) **(Ita)**

RADIOGRAPHIC FILM see **X-RAY FILM**

RADIOGRAPHIC IMAGE ENHANCEMENT

Image quality in mammography with special reference to anti-scatter grids and the magnification technique. Nielsen B, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul–Aug; 27(4):467–79
Intense brain cortical enhancement on CT in laminar necrosis verified by biopsy. Liwnicz BH, et al. **AJNR** 1987 Jan–Feb; 8(1):157–9
Surface coil MR imaging of orbital blowout fractures: a comparison with reformatted CT. Tonami H, et al. **AJNR** 1987 May–Jun;8(3):445–9
Dual-energy digital radiographic quantification of calcium in simulated pulmonary nodules. Hickey NM, et al. **AJR** 1987 Jan;148(1):19–24
Radiation-induced phosphorescence from thulium-activated yttrium tantalate screens. Shearer DR, et al. **AJR** 1987 May;148(5):1023–4
Evaluation of dry silver hard copies in digital radiography. Trefler M, et al. **AJR** 1987 Oct;149(4):853–6
Low-dose digital urography in the pregnant patient. Albert SA, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):926–8
Flow velocity measurement using digital subtraction angiography for hemodynamic evaluation in arterial occlusive disease. Sakurai T, et al. **Angiology** 1986 Nov; 37(11):846–54
Radiation dose reduction on a portable image intensifier digital storage unit. Fleay RF. **Australas Radiol** 1987 Feb; 31(1):88–9
A comparative study of films and screens for mammography. Kirkpatrick AE, et al. **Br J Radiol** 1987 Jan;60(709):73–8
Eye dose limits and the use of overcouch and undercouch X-ray image intensifier systems. Palmer KE, et al. **Br J Radiol** 1985 Dec;58(696):1221–3
Contrast-enhanced computed tomography of the normal and abnormal gallbladder. Whitehouse RW, et al. **Br J Radiol** 1986 Nov;59(707):1083–5
Digital subtraction angiography in angioplasty of total coronary artery occlusion. Carlson EB, et al. **Chest** 1987 Sep;92(3):560–2
Application of the enhancement technique of pseudocolor imaging in roentgenodiagnosis. Ren SQ, et al. **Chin Med J [Engl]** 1986 Oct;99(10):802–7
Three-dimensional reconstruction of moving arterial beds from digital subtraction angiography. Parker DL, et al. **Comput Biomed Res** 1987 Apr;20(2):166–85
Biplane digital subtraction angiography. Takahashi M, et al. **Comput Radiol** 1986 Sep–Oct;10(5):221–5
High resolution DSA: experimental and clinical evaluation. Takahashi M, et al. **Comput Radiol** 1986 Sep–Oct; 10(5):213–9
Comparison of performance characteristics of different DSA-installations. Busch HP, et al. **Eur J Radiol** 1987 Feb; 7(1):56–9
The subcarinal space revisited on a frontal chest radiography. An evaluation in subcarinal mass detection. Legmann P, et al. **Eur J Radiol** 1987 Feb;7(1):18–22
Image quality in intravenous renal DSA. A critical analysis of 300 examinations. Neufang KF, et al. **Eur J Radiol** 1986 Nov;6(4):291–5
The effect of rare earth filtration on patient exposure, dose reduction, and image quality in oral panoramic radiology. Tyndall DA, et al. **Health Phys** 1987 Jan;52(1):17–26
Digital mammography. ROC studies of the effects of pixel size and unsharp-mask filtering on the detection of subtle microcalcifications. Chan HP, et al. **Invest Radiol** 1987 Jul; 22(7):581–9
A comparative evaluation of rare earth screen-film systems. Free-response operating characteristic analysis and anatomic criteria analysis. Fearon T, et al. **Invest Radiol** 1986 Sep;21(9):734–42
Visualization of the popliteal lymph node by angiography [letter] Grassi CJ, et al. **Invest Radiol** 1987 Jan;22(1):92
Contrast enhancement of the liver. Evaluation by automated contiguous pixel search. Stude RA, et al. **Invest Radiol** 1987 Feb;22(2):132–6
Quantum noise in X-ray image intensifiers. Porubszky T. **J Biomed Eng** 1987 Jul;9(3):261–6
Digital subtraction angiography: image-sequence analysis for regional myocardial perfusion dynamics. Takeda T, et al. **J Cardiogr** 1986 Mar;16(1):1–9
Effects of rare-earth filters on patient exposure and image contrast. Mauriello SM, et al. **J Dent Res** 1987 Aug; 66(8):1326–30
Quantitative measurement of periodontal bone changes by digital subtraction. Vos MH, et al. **J Periodont Res** 1986 Nov;21(6):583–91
Chest equalization radiography. Wandtke JC, et al. **J Thorac Imaging** 1985 Dec;1(1):14–20
A logit model for the modulation transfer function of screen-film systems. Bencomo JA, et al. **Med Phys** 1986 Nov–Dec;13(6):857–60
Accurate measurement of characteristic curves of II-TV digital systems by use of aluminum stepwedge technique. Fujita H, et al. **Med Phys** 1986 Nov–Dec;13(6):922–4
Diagnostic effects of edge sharpening filtration and magnification on digitally subtracted renal images. Kimme-Smith C, et al. **Med Phys** 1986 Nov–Dec; 13(6):850–6
Temperature dependence of x-ray induced luminescence from medical x-ray screens. Shearer DR, et al. **Med Phys** 1987 Mar–Apr;14(2):197–201
The radiographic detection of initial carious lesions on the proximal surfaces of teeth. Part II. The influence of viewing conditions. Arnold LV. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):232–40
The effects of beam quality and optical density on image quality in dental radiography. Price C. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):580–8
Recent advances in screen-film mammography. Haus AG. **Radiol Clin North Am** 1987 Sep;25(5):913–28 (52 ref.)
Advantages of a 400 speed image receptor system for cast radiography. Gratale P, et al. **Radiol Technol** 1987 May–Jun;58(5):401–3
A lung opacity caused by grid artifact. Heriard JB, et al. **Radiol Technol** 1986 Nov–Dec;58(2):147–8
Static film/screen imaging terminology: the need to standardize. Weeks LK. **Radiol Technol** 1987 Jan–Feb; 58(3):203–9
Radiation dose reduction during hysterosalpingography: an application of scanning-beam digital radiography. Kushner DC, et al. **Radiology** 1986 Oct;161(1):31–3
Radiation dose reduction in the evaluation of scoliosis: an application of digital radiography. Kushner DC, et al. **Radiology** 1986 Oct;161(1):175–81
Screen-film mammographic technique for breast cancer screening. Stanton L, et al. **Radiology** 1987 May; 163(2):471–9
Arterial blood-flow waveform measurement in intact animals: new digital radiographic technique. Swanson DK, et al. **Radiology** 1986 Nov;161(2):323–8
Recent trends in screen-film mammography: technical factors and radiation dose. Haus AG. **Recent Results Cancer Res** 1987;105:37–51 (45 ref.)
Image quality in mammography: physical and technical limitations. Nielsen B. **Recent Results Cancer Res** 1987; 105:1–14 (34 ref.)
Reduction of body doses in rotational panoramic radiography by means of reduced beam width in combination with rare earth intensifying screens. Aagaard A, et al. **Scand J Dent Res** 1986 Dec;94(6):530–5
[Cerebral ischemic pathology of the carotid origin. Preoperative evaluation of the ischemic risk: digital subtraction angiography (diagnostic value, limits of interpretation and use)] Froment JC. **Agressologie** 1986 Jun; 27(7):553–6 (Eng. Abstr.) **(Fre)**
[Evaluation of digital subtraction angiography, ultrasonography and Doppler velocimetry versus conventional angiography in the femoral bifurcation] Louvel JP, et al. **J Radiol** 1986 Apr;67(4):269–74 (Eng. Abstr.) **(Fre)**
[A case of epiphyseal osteoid osteoma] Damsin JP, et al. **Rev Chir Orthop** 1987;73(1):63–5 (Eng. Abstr.) **(Fre)**
[Magnification mammography using 0.1 mm microfocus. Comparison of grid and spot-view magnification] Teubner J, et al. **Radiologe** 1987 Apr;27(4):155–64 (Eng. Abstr.) **(Ger)**
[Multilevel structure isolation using modules based on the example of thoracic radiography] Desaga JF, et al. **ROFO** 1986 Dec;145(6):718–21 (Eng. Abstr.) **(Ger)**
[Image exactness in digital subtraction angiography] Fiedler V. **ROFO** 1986 Dec;145(6):708–13 (Eng. Abstr.) **(Ger)**
[Pressure gradients in catheters during digital subtraction angiography] Sümpelmann R, et al. **ROFO** 1986 Dec; 145(6):714–7 (Eng. Abstr.) **(Ger)**
[Sharpness of detail and density in film-screen systems] Maurer HJ, et al. **Rontgenblatter** 1986 Sep;39(9):260–3 (Eng. Abstr.) **(Ger)**
[Digital subtraction phlebography of the veins of the arm and the superior vena cava] Rauber K, et al. **Rontgenblatter** 1987 Apr;40(4):104–6 (Eng. Abstr.) **(Ger)**
[Direct radiographic magnification of the hands. A critical analysis] Presacco D, et al. **Radiol Med (Torino)** 1987 Mar; 73(3):159–61 (Eng. Abstr.) **(Ita)**
[Application of digital subtraction angiography (DSA) in the neurosurgical field] Nagashima M, et al. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):293–300 (Eng. Abstr.) **(Jpn)**
[Instrumentation physics in medicine: quantitative diagnosis using X-ray CT and digital radiography] Takenaka E. **Iyodenshi To Seitai Kogaku** 1986 Oct;24(6):423–9 **(Jpn)**
[Evaluation of aortocoronary bypass graft patency by transbrachial intra-arterial digital subtraction angiography—application to outpatients] Sasaguri S, et al. **Kyobu Geka** 1987 Jun;40(7):553–6 (Eng. Abstr.) **(Jpn)**
[Progress in emergency medicine and cardiovascular imaging methods: X-ray imagings—cineangiography and digital radiography] Abe H. **Nippon Rinsho** 1986 Jun; 44(6):1298–303 (20 ref.) **(Jpn)**
[Clinical course and CT findings in patients with contrast

media-associated seizures] Onda K, et al. **No To Shinkei** 1987 Apr;39(4):331-7 (Eng. Abstr.) **(Jpn)**

[Intra-venous digital subtraction angiography of arterial occlusive disease of the lower limb] Kodera K. **Rinsho Hoshasen** 1986 Aug;31(8):965-8 **(Jpn)**

[High resolution CT of the lung after lymphangiography] Sasai K, et al. **Rinsho Hoshasen** 1987 Jan;32(1):45-9 **(Jpn)**

[Compensatory foils in teleradiography of the skull] von Ritter W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul-Aug;50(4):222-4 (Eng. Abstr.) **(Pol)**

[Limits on increasing the sensitivity of x-ray diagnostic screens] Gurvin AM. **Med Tekh** 1987 May-Jun;(3):17-23 (Eng. Abstr.) **(Rus)**

[Role of current large-film fluorography in the improved diagnosis of gastric polyps in mass screening of the population] Portnoi LM, et al. **Ter Arkh** 1987;59(2):72-5 (Eng. Abstr.) **(Rus)**

[Digital ventriculography in evaluating the general and regional contractility of the right heart ventricle] Samko AN, et al. **Vestn Rentgenol Radiol** 1987 Jan-Feb;(1):20-2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Complication of IVDSA--a case of mediastinal extravasation with a closed end catheter] Kojima K, et al. **Rinsho Hoshasen** 1986 Aug;31(8):961-3 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

A digital radiology imaging system: description and clinical evaluation. Templeton AW, et al. **AJR** 1987 Oct; 149(4):847-51

Skeletal measurements using a flying spot digital imaging device. Wilson AJ, et al. **AJR** 1987 Aug;149(2):339-43

Performance characteristics of a laser scanner and laser printer system for radiological imaging. Lo SC, et al. **Comput Radiol** 1986 Sep-Oct;10(5):227-37

Basic imaging properties of a large image intensifier-TV digital chest radiographic system. Fujita H, et al. **Invest Radiol** 1987 Apr;22(4):328-35

The image intensifier as an operating table. Hanel DP, et al. **J Hand Surg [Am]** 1987 Mar;12(2):322-3

A scanning x-ray imaging system for quantitative arteriography and blood flow measurements. Fenster A, et al. **Med Instrum** 1986 Jul-Aug;20(4):173-81

High-resolution digital x-ray detector utilizing a discrete array of CdWO4 scintillators and a self-scanned photodiode array. Fritz SL, et al. **Med Phys** 1987 Mar-Apr; 14(2):244-8

Electronic scanning-slit fluorography: design and performance of a prototype unit. Plenkovich D, et al. **Med Phys** 1987 Jan-Feb;14(1):49-55

Performance of high-resolution monitors for digital chest imaging. Suddarth SA, et al. **Med Phys** 1987 Mar-Apr; 14(2):253-7

Selecting the best screen-film combination. Stears JG, et al. **Radiol Technol** 1987 Jan-Feb;58(3):239-42

Digital radiographic imaging system with multiple-slit scanning x-ray beam: preliminary report. Doi K, et al. **Radiology** 1986 Nov;161(2):513-8

Reduction of radiation scatter with a multiple pencil-beam imaging device. Korhola O, et al. **Radiology** 1987 Oct; 165(1):257-9

Dual-energy projection radiography using condenser x-ray generator and digital radiography apparatus. Nishitani H, et al. **Radiology** 1986 Nov;161(2):533-5

Comparison of mammographic screen-film systems. Sickles EA. **Recent Results Cancer Res** 1987;105:52-7

[Inadequate configurational stability of a DSA pigtail catheter as a cause of complications. Case report and study of the mechanism] Zocholl G, et al. **ROFO** 1987 Jan; 146(1):62-5 (Eng. Abstr.) **(Ger)**

[Image quality parameters of film-screen systems] Hoeschen D. **Rontgenblatter** 1987 Jun;40(6):193-9 (Eng. Abstr.) **(Ger)**

[Evaluation of the 57-cm image intensifier in thoracic diagnosis] Adamietz IA, et al. **Rontgenpraxis** 1986 Aug; 39(8):265-7 **(Ger)**

[Digital radiography with photo-emitting detectors. Technical note] Salvini E. **Radiol Med (Torino)** 1987 Mar; 73(3):233-5 (Eng. Abstr.) **(Ita)**

[Diagnostic value of digital subtraction angiography (DSA) using Toshiba Digiformer X in the cerebrospinal vascular diseases] Ishikawa T, et al. **Hokkaido Igaku Zasshi** 1987 May;62(3):442-50 (Eng. Abstr.) **(Jpn)**

[Dual-energy projection radiography using a condenser discharge X-ray generator and FCR (Fuji Computed Radiography)--determination of technical factors] Nishitani H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25; 47(4):644-50 (Eng. Abstr.) **(Jpn)**

[Basic principles and clinical evaluation of digital radiography] Hachiya J. **Nippon Rinsho** 1987 Mar; 45(3):654-67 (22 ref.) **(Jpn)**

[The ASORI stereoroentgenogrammetric system] Bardina ND, et al. **Med Tekh** 1987 Mar-Apr;(2):52-4 (Eng. Abstr.) **(Rus)**

[Device for high-frequency spatial filtering of roentgenogram images] Kossovol AL. **Med Tekh** 1987 Mar-Apr;(2):50-1 (Eng. Abstr.) **(Rus)**

METHODS

Evaluation of optical unsharp masking and contrast enhancement of low-scatter chest radiographs. Sorenson JA, et al. **AJR** 1987 Aug;149(2):275-81

Large field ionography--preliminary results. Booler R, et al. **Br J Radiol** 1985 Nov;58(695):1141-3

Measurements from digital scanned projection radiographs: couch detail and detector artefact removal by simple image enhancement. Moore CJ. **Br J Radiol** 1985 Aug; 58(692):756-9

Delineation of the spleen by a combination of proliposomes with water-soluble contrast media: an experimental study using computed tomography. Payne NI, et al. **Br J Radiol** 1987 Jun;60(714):535-41

Compensation filtration in paediatric double contrast barium enema examinations. Sprigg A, et al. **Clin Radiol** 1986 Nov; 37(6):599-601

Generation of a subtraction mask for digital angiography based on the movement of the coronary arteries. Haaker P, et al. **Eur Heart J** 1987 Jan;8(1):57-64

Venous digital angio-radiography: an accurate and useful technique for assessing coronary bypass graft patency. Lupón-Rosés J, et al. **Eur Heart J** 1986 Nov;7(11):979-86

Automatic digital contrast enhancement of radiotherapy films. Sherouse GW, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):801-6

Digital imaging of the intracranial circulation using an aortic arch injection and carotid compression. Banna M, et al. **J Can Assoc Radiol** 1986 Sep;37(3):184-5

Energy-dependent imaging in digital radiography: a review on acquisition, processing and display techniques. Coppini G, et al. **J Nucl Med Allied Sci** 1986 Apr-Sep; 30(2-3):149-63 (23 ref.)

Measurement of leg length inequalities by Micro-Dose digital radiographs. Altongy JF, et al. **J Pediatr Orthop** 1987 May-Jun;7(3):311-6

A robust digital method for film contrast correction in subtraction radiography. Ruttimann UE, et al. **J Periodont Res** 1986 Sep;21(5):486-95

Digital imaging of the chest. Merritt CR, et al. **J Thorac Imaging** 1985 Dec;1(1):1-13

Diagnostic digital angiography: the image revolution continues. Clayton PD, et al. **MD Comput** 1984;1(4):48-57

Digital image management: networking, display, and archiving. Cox GG, et al. **Med Instrum** 1986 Jul-Aug; 20(4):206-19

Newer subtraction and filtration techniques. Nelson JA. **Med Instrum** 1986 Jul-Aug;20(4):192-8

Digital subtraction angiography: technology, equipment, and techniques. Ovitt TW, et al. **Med Instrum** 1986 Jul-Aug; 20(4):199-205

Adaptive predictive coding with applications to radiographs. Rabbani M, et al. **Med Instrum** 1986 Jul-Aug;20(4):182-91

Image intensifier distortion correction. Chakraborty DP. **Med Phys** 1987 Mar-Apr;14(2):249-52

A fast dual-energy computational method using isotransmission lines and table lookup. Chuang KS, et al. **Med Phys** 1987 Mar-Apr;14(2):186-92

Scatter estimation for a digital radiographic system using convolution filtering. Love LA, et al. **Med Phys** 1987 Mar-Apr;14(2):178-85

Digital image motion correction by spatial warp methods. Pickens DR, et al. **Med Phys** 1987 Jan-Feb;14(1):56-61

Diagnostic imaging assessment of experimental intraoral "folded film". Ludlow JB. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):123-9

The role of direct multiplanar high resolution CT in the assessment and management of orbital trauma. Koornneef L, et al. **Radiol Clin North Am** 1987 Jul;25(4):753-66

Breast imaging: dual-energy projection radiography with digital radiography. Asaga T, et al. **Radiology** 1987 Sep; 164(3):869-70

Digital gastrointestinal imaging: the effect of pixel size on detection of subtle mucosal abnormalities. Kastan DJ, et al. **Radiology** 1987 Mar;162(3):853-6

Differentiation of benign from malignant pulmonary nodules with digitized chest radiographs. Sherrier RH, et al. **Radiology** 1987 Mar;162(3):645-9

[Clinical results of dual-energy radiography in thoracic studies] Bautz W, et al. **ROFO** 1987 May;146(5):497-504 (Eng. Abstr.) **(Ger)**

[Demonstration of brain tumors using a computer-assisted x-ray image enhancement technic] Fröder M, et al. **ROFO** 1987 Jan;146(1):66-72 (Eng. Abstr.) **(Ger)**

[Characterization of cerebral blood flow by determining the vascular mean transit time of brain tissue using DSA] Lindner P, et al. **ROFO** 1987 Jan;146(1):72-6 (Eng. Abstr.) **(Ger)**

[Functional imaging of blood flow velocity amd myocardial perfusion using the Fourier transform parameter] Witte G, et al. **ROFO** 1987 Jan;146(1):76-82 (Eng. Abstr.) **(Ger)**

[Use of grids in mammography] Cervi PM, et al. **Radiol Med (Torino)** 1987 Mar;73(3):228-32 (Eng. Abstr.) **(Ita)**

[Echocardiographic gating in non-cardiac digital angiography] Gattoni F, et al. **Radiol Med (Torino)** 1987 Mar;73(3):205-7 (Eng. Abstr.) **(Ita)**

[Dual energy subtraction in digital radiography] Matsuo H, et al. **Iyodenshi To Seitai Kogaku** 1986 Jun;24(3):175-82 (Eng. Abstr.) **(Jpn)**

[Intra-arterial DSA of cerebrovascular disease using transbrachial arch injection] Uchino A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Oct 25; 46(10):1215-20 (Eng. Abstr.) **(Jpn)**

[Progress in emergency medicine and cardiovascular imaging methods: synchrotron radiation coronary angiography] Akisada M, et al. **Nippon Rinsho** 1986 Jun;44(6):1304-7 **(Jpn)**

[Image diagnosis and the diagnostic rate of small pancreatic neoplasms--efficacy and limits. 3). CT--special reference to dynamic CT] Moriyama N, et al. **Nippon Rinsho** 1986 Aug;44(8):1788-95 **(Jpn)**

[Dual-energy digital radiography in laryngeal disorders] Kawashima A, et al. **Rinsho Hoshasen** 1987 May; 32(5):593-6 (Eng. Abstr.) **(Jpn)**

[High-frequency spatial filtration of roentgenogram images] Kossovol AL. **Med Radiol (Mosk)** 1986 Nov;31(11):74-7 (50 ref.) **(Rus)**

STANDARDS

Total digital radiology department: spatial resolution requirements. Seeley GW, et al. **AJR** 1987 Feb;148(2):421-6

Investigation of basic imaging properties in digital radiography 10. Structure mottle of II-TV digital imaging systems. Kume Y, et al. **Med Phys** 1986 Nov-Dec; 13(6):843-9

RADIOGRAPHIC IMAGE INTERPRETATION, COMPUTER-ASSISTED see under **IMAGE INTERPRETATION, COMPUTER-ASSISTED**

RADIOGRAPHIC MAGNIFICATION

Image quality in mammography with special reference to anti-scatter grids and the magnification technique. Nielsen B, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Jul-Aug; 27(4):467-79

Penile magnification pharmacoarteriography: details of intrapenile arterial anatomy. Bookstein JJ, et al. **AJR** 1987 May;148(5):883-8

Radiographic magnification of colon polyps. Ott DJ, et al. **J Clin Gastroenterol** 1986 Aug;8(4):486-9

Magnification radiography in osteomyelitis. Lee SM, et al. **Skeletal Radiol** 1986;15(8):625-7

[The significance of radiological magnification in hip replacement] Jensen JS, et al. **Ugeskr Laeger** 1987 Jun 8; 149(24):1596-8 (Eng. Abstr.) **(Dan)**

[Direct radiographic magnification and its value in structural changes in the spongiosa region] Schlossarek W, et al. **Fortschr Kiefer Gesichtschir** 1987;32:14-6 **(Ger)**

INSTRUMENTATION

Focal-spot measurement: comparison of slit, pinhole, and star resolution pattern techniques. Everson JD, et al. **Radiology** 1987 Oct;165(1):261-4

[A new direct roentgen magnification technic and its possible applications in otorhinolaryngology] Hüttenbrink KB, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct;65(10):555-8 (Eng. Abstr.) **(Ger)**

METHODS

Direct radiographic magnification with computed radiography. Nakano Y, et al. **AJR** 1987 Mar;148(3):569-73

The radiographic detection of initial carious lesions on the proximal surfaces of teeth. Part II. The influence of viewing conditions. Arnold LV. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):232-40

Magnification radiography. Fodor J 3dP6, et al. **Radiol Technol** 1987 Mar-Apr;58(4):313-9 (27 ref.)

Evaluation of breast microcalcifications by means of optically magnified tissue specimen radiographs. Feig SA, et al. **Recent Results Cancer Res** 1987;105:111-23

The role of magnification technique in modern mammography. Sickles EA. **Recent Results Cancer Res** 1987;105:19-24

[Indications for fine-focus magnification panoramic procedures in oromaxillofacial surgery] Freitag V. **Fortschr Kiefer Gesichtschir** 1987;32:26-9 **(Ger)**

[Demonstration of normal and pathologic ossicle structures with a new direct roentgen magnification technic] Hüttenbrink KB, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):492-5 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

see related
CONTRAST MEDIA
EXTRAVASATION OF DIAGNOSTIC AND THERAPEUTIC MATERIALS

Language of certainty [letter] Kidd R. **AJR** 1987 Mar; 148(3):650-1

Arctic paleoradiology: portable radiographic examination of two frozen sailors from the Franklin expedition (1845-1848). Notman DN, et al. **AJR** 1987 Aug; 149(2):347-50

Radiation exposure in diagnostic studies. Deluca SA, et al. **Am Fam Physician** 1987 Aug;36(2):101-3

Index of European radiological journals 1982-1985. **Ann Radiol (Paris)** 1986;29(6 Pt 2):1-398

Barytes Board: a cost effective radiation barrier material for use in diagnostic X-ray suites. Coalter GC, et al. **Australas Radiol** 1987 Feb;31(1):90-2

Anderson-Stuart lecture 1985. The present and future role

of medical imaging. Margulis AR, et al. **Australas Radiol** 1987 Feb;31(1):6–13

Workplace exposure and reported health in New Zealand diagnostic radiographers. Spicer J, et al. **Australas Radiol** 1986 Aug;30(3):281–6

The position of the personal dosemeter in diagnostic X-ray practice [letter] Buchan RC. **Br J Radiol** 1987 Jul; 60(715):728

Variation in repeat rates between 18 radiology departments. Rogers KD, et al. **Br J Radiol** 1987 May;60(713):463–8

Rapid slide reproduction of text and radiographs. Towers MJ, et al. **Br J Radiol** 1987 May;60(713):493–5

Criteria and methods for quality assurance in medical X-ray diagnosis. Proceedings of the scientific seminar. Udine, Italy, 17–19 April 1984. **Br J Radiol [Suppl]** 1985;18:1–179

A new way of looking at Manet: the revelations of radiography. Loveday J. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1638–9

Application of cold antibacterial prepping solution to the skin [letter] Nyhan AL, et al. **Cardiovasc Intervent Radiol** 1987;10(2):115

Abstracts of papers presented at the Royal College of Radiologists annual meeting–joint provincial meeting. 11–13 September 1986, Sheffield. **Clin Radiol** 1987 Jul; 38(4):445–54

Measurement of irradiation doses secondary to bedside radiographs in a medical intensive care unit. Boles JM, et al. **Intensive Care Med** 1987;13(1):60–3

ROC methodology in radiologic imaging. Metz CE. **Invest Radiol** 1986 Sep;21(9):720–33 (162 ref.)

Lumbar discography [letter] Perkins PG. **J Neurosurg** 1986 Dec;65(6):882–3

Darkroom diseases and how to combat them. Gordon M. **J R Soc Health** 1987 Jun;107(3):102–3

Computers in diagnostic radiology. Hunter TB, et al. **MD Comput** 1987 Jan–Feb;4(1):39–45

Equivalent spectra as a measure of beam quality. Boone JM. **Med Phys** 1986 Nov–Dec;13(6):861–8

Exposure and organ dose estimation in diagnostic radiology. McGuire EL, et al. **Med Phys** 1986 Nov–Dec;13(6):913–6

Cronapaque photographic prints of X-rays for the modern trial. Carothers A, et al. **Med Trial Tech Q** 1982 Spring; 28(4):396–403

Emergency physician responsibility for the interpretation of x-rays. Dobbs D. **Pediatr Emerg Care** 1986 Sep; 2(3):197–200

Research by pediatric radiologists—past accomplishments and future opportunities. Effmann EL. **Pediatr Radiol** 1987; 17(5):355–61

The professional image: where are we now? Deaville O. **Radiography** 1987 Jan–Feb;53(607):11–4

Patient care and communication as a science. DeCann RW. **Radiography** 1986 Nov–Dec;52(606):269–70

The professional ethic. Drummond A. **Radiography** 1986 Sep–Oct;52(605):213–5

Radiography in Japan. Kerr IH. **Radiography** 1986 Jul–Aug; 52(604):199–202

Aspects of patient care: the diagnostic viewpoint. Whitley AS. **Radiography** 1986 Sep–Oct;52(605):217–20

72nd scientific assembly and annual meeting: the Radiological Society of North America. Chicago, November 30–December 5, 1986. Abstracts. **Radiology** 1986 Nov;161 Spec No:1–546

RSNA (Radiological Society of North America) index to imaging literature. 1984–1986. **Radiology** 1987 Jan;Pt 2:1–519

Medical malpractice in diagnostic radiology: claims, compensation, and patient injury. Hamer MM, et al. **Radiology** 1987 Jul;164(1):263–6

Low-osmolality contrast media: premises and promises. McClennan BL. **Radiology** 1987 Jan;162(1 Pt 1):1–8

The radiologist: a doctor between science and art. Viviani G. **Rays** 1986 Jan–Apr;11(1):41–50

[How to develop the evaluation of diagnostic procedures in medical imaging. Current experiences and prospects] Amiel M. **J Radiol** 1986 Apr;67(4):265–8 **(Fre)**

[Collective irradiation caused by radio-diagnostic procedures in France in 1982. Results (2)] Maccia C, et al. **J Radiol** 1986 Nov;67(11):807–14 (Eng. Abstr.) **(Fre)**

[The coding of roentgen diagnostic findings of studies based on morphologic structural changes. A computer assisted archive system for scientific purposes] Fritschy P. **Digitale Bilddiagn** 1986 Sep;6(3):139–45 (Eng. Abstr.) **(Ger)**

[Radiation physics—short scientific communications. 12th Meeting of the Clinical Radiation Physics Section and Radiology Technology Section of the Society for Medical Radiology of East Germany, Halle (S.), 22 October–24 October, 1985] **Radiobiol Radiother (Berl)** 1986; 27(5):585–650 **(Ger)**

[Tasks of physicists and graduate engineers in x-ray diagnosis] Angerstein W. **Radiol Diagn (Berl)** 1987; 28(2):279–85 (Eng. Abstr.) **(Ger)**

[Analysis of retakes in x-ray diagnosis] Brandt GA, et al. **Radiol Diagn (Berl)** 1987;28(2):271–7 (Eng. Abstr.) **(Ger)**

[68th German Roentgen Congress. Film interpretation seminar. 1 May 1987] **ROFO** 1987 Apr;146(4):474–86 **(Ger)**

[Long-term results using a nonionic contrast medium—a report of clinical experiences] Hruby W, et al. **Rontgenblatter** 1987 Mar;40(3):73–7 (Eng. Abstr.) **(Ger)**

[Radiation burden of the patient in roentgen exposures] Meiler J. **Rontgenpraxis** 1987 Feb;40(2):57–64 **(Ger)**

[Risk of radiation exposure and internal medicine] Schüttmann W. **Z Gesamte Inn Med** 1987 May 15; 42(10):261–5 (Eng. Abstr.) **(Ger)**

[Reflexions of a radiologist on nature] Greco S, et al. **Radiol Med (Torino)** 1986 Dec;72(12):887–905 **(Ita)**

[Interactions of ionizing radiation with biological matter] Inada T. **Iyodenshi To Seitai Kogaku** 1986 Aug;24(4):243–7 (3 ref.) **(Jpn)**

[Instrumentation physics in medicine: biomedical measurements using heavy particle beams] Kawauchi K. **Iyodenshi To Seitai Kogaku** 1986 Oct;24(6):437–42 **(Jpn)**

[Equivalent doses in x-ray studies] Stavitskii RV, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):49–53 (Eng. Abstr.) **(Rus)**

[Radiographic images of acupuncture (letter)] Ly Pen D, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):344 **(Spa)**

ADVERSE EFFECTS

Exposure to ionizing radiation in the emergency department from commonly performed portable radiographs. Grazer RE, et al. **Ann Emerg Med** 1987 Apr;16(4):417–20

Patient doses and risks from diagnostic radiology in North-east Italy. Padovani R, et al. **Br J Radiol** 1987 Feb; 60(710):155–65

Valuing the man-sievert in X-ray diagnosis. Russell JG, et al. **Br J Radiol** 1987 Jul;60(715):681–4

Discitis after discography. Fraser RD, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):26–35

Continuing use of x-ray pelvimetry for pregnant women [letter] Gellhorn A, et al. **NY State J Med** 1987 Jul; 87(7):411–2

Radiation exposure information. Stears JG, et al. **Radiol Technol** 1986 Sep–Oct;58(1):31–2

[Chromosome aberrations and micronucleus analyses of peripheral lymphocyte in diagnostic X-ray irradiated patients] Wang ZQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec; 8(6):479–81 (Eng. Abstr.) **(Chi)**

[Iatrogenic damage in roentgen diagnosis] Vogel H. **Beitr Gerichtl Med** 1986;44:365–9 (Eng. Abstr.) **(Ger)**

[X-ray examinations, cosmic radiation, the fetus and the doctors] Kalish Y, et al. **Harefuah** 1986 May 15; 110(10):517–9 (26 ref.) **(Heb)**

ECONOMICS

Radiological contrast media. Grainger RG. **Clin Radiol** 1987 Jan;38(1):3–5

HMOs start to capitate radiology services. Newald J. **Hospitals** 1986 Oct 5;60(19):108, 111

Management budgeting for radiographers. Gray I. **Radiography** 1986 Nov–Dec;52(606):295–8

Economic impact of low-osmolality contrast agents on radiology procedures and departments. Evens RG. **Radiology** 1987 Jan;162(1 Pt 1):267–8

EDUCATION

A technique for making teaching file films. DeMocker JC, et al. **J Ultrasound Med** 1986 Oct;5(10):601–3

Continuous assessment of radiographic training. Whyke M. **Radiography** 1986 Jul–Aug;52(604):207–9

[Postgraduate education in radiodiagnosis: a necessity (editorial)] Lyonnet D, et al. **J Radiol** 1987 Mar;68(3):157–8 **(Fre)**

[How to improve the efficiency of image diagnosis in thoracic pathology in Italy] Marano P. **Radiol Med (Torino)** 1986 Dec;72(12):906–10 **(Ita)**

[Teaching of medical informatics at the department of roentgenology and radiology of a medical institute] Koroliuk IP. **Med Radiol (Mosk)** 1987 Mar;32(3):91–3 **(Rus)**

HISTORY

A chiropractic X-ray service. Owen M. **Australas Radiol** 1986 Nov;30(4):302–3

Glimpses of the body's interior. Dziabis L. **Caduceus** 1985 Winter;1(4):42–50

Licencing of medical x-ray equipment in 1899: background and procedure. Tschurlovits M, et al. **Int J Rad Appl Instrum [A]** 1986;37(5):373–81

90 years of x-rays—a celebration. **Int J Radiat Biol** 1987 May;51(5):811–906

Röntgen's discovery—how and why it happened. Harder D. **Int J Radiat Biol** 1987 May;51(5):815–39

Diagnostic radiology. Isherwood I. **Int J Radiat Biol** 1987 May;51(5):855–72

Radiography in the United States Army during World War II: Part I. Lauer OG. **Radiol Technol** 1986 Nov–Dec; 58(2):123–33

Radiography in the United States Army during World War II: Part II. Lauer OG. **Radiol Technol** 1987 Jan–Feb; 58(3):215–24

Pulmonary tuberculosis: contributions of radiology in diagnosis and treatment. Ochsner SF. **South Med J** 1986 Nov;79(11):1416–24

INSTRUMENTATION

Inventory of medical X-ray equipment in Dutch hospitals. Timmermans CW, et al. **Diagn Imag Clin Med** 1986; 55(6):364–9

Something of value [editorial] Schreiber MH. **Invest Radiol** 1987 Jun;22(6):508

Noninvasive x-ray tube current measurement. Atherton JV, et al. **Med Phys** 1987 Mar–Apr;14(2):258–61

Optimization of readout rate of television cameras in pulsed digital radiography. Rowlands JA. **Med Phys** 1987 May–Jun;14(3):341–8

A Compton scattering spectrometer for determining X-ray photon energy spectra. Matscheko G, et al. **Phys Med Biol** 1987 May;32(5):577–94

Design of an efficient position sensitive gamma ray detector for nuclear medicine. Rogers JG, et al. **Phys Med Biol** 1986 Oct;31(10):1061–90

Connecting-up to computers. Watson A. **Radiography** 1986 Jul–Aug;52(604):187–9

Producing your own black and white 35 mm slides. Curtis JJ. **Radiol Technol** 1978 Sep–Oct;50(2):123–4

An effective method of cassette identification. Fodor J 3d, et al. **Radiol Technol** 1982 Mar–Apr;53(5):437–8

Performance evaluations for diagnostic x-ray equipment. Gilbert MA, et al. **Radiol Technol** 1978 Nov–Dec; 50(3):243–8

The three limits to prevent X-ray tube damage. Stears JG, et al. **Radiol Technol** 1987 May–Jun;58(5):423–4

Review of optical storage technology for archiving digital medical images. Hindel R. **Radiology** 1986 Oct; 161(1):257–62

Skull radiography in infants: potential hazards of the use of head clamps. Rosenblum J, et al. **Radiology** 1986 Nov; 161(2):367–8

New super-stiff guide wire. Smith TP, et al. **Radiology** 1986 Nov;161(2):551–2

[Initial clinical experience with digital x-ray television using a CCD matrix camera] Zur C, et al. **Radiol Diagn (Berl)** 1986;27(4):537–43 (Eng. Abstr.) **(Ger)**

[Experience evaluating the uniformity of roentgen equipment] Loose-Wagenbach I, et al. **Rontgenpraxis** 1987 Feb;40(2):51–6 **(Ger)**

[Anode filtration and its contribution to the total inherent filtration of an x-ray tube] Meiler J. **Rontgenpraxis** 1987 May;40(5):165–8 **(Ger)**

[Means of enhancing efficiency in operating the RUM-20 and RUM-20M X-ray diagnostic units] Kochetova GP. **Med Tekh** 1986 Jul–Aug;(4):36–40 (Eng. Abstr.) **(Rus)**

[The PAHO/WHO system of essential radiology in Colombia] Palmer PE, et al. **Rev Med Chil** 1986 Jun; 114(6):581–5 (Eng. Abstr.) **(Spa)**

METHODS

Large field ionography—preliminary results. Booler R, et al. **Br J Radiol** 1985 Nov;58(695):1141–3

A method for modulation transfer function determination from edge profiles with correction for finite-element differentiation. Cunningham IA, et al. **Med Phys** 1987 Jul–Aug;14(4):533–7

X-ray diffraction measurements of some plastic materials and body tissues. Kosanetzky J, et al. **Med Phys** 1987 Jul–Aug; 14(4):526–32

Scatter-glare correction using a convolution algorithm with variable weighting. Naimuddin S, et al. **Med Phys** 1987 May–Jun;14(3):330–4

Quantitative evaluation of a portal film contrast enhancement technique. Reinstein LE, et al. **Med Phys** 1987 May–Jun; 14(3):309–13

Monte Carlo evaluation of kerma at a point for photon transport problems. Williamson JF. **Med Phys** 1987 Jul–Aug;14(4):567–76

Relations between effective dose equivalent and mean absorbed dose (energy imparted) to patients in diagnostic radiology. Carlsson GA, et al. **Phys Med Biol** 1986 Aug; 31(8):911–21

Muscle- and fat-equivalent polyethylene-based phantom materials for x-ray dosimetry at tube voltages below 100 kV. Hermann KP, et al. **Phys Med Biol** 1986 Sep; 31(9):1041–6

Optimisation of beam geometry for scanning equalization radiography (SER). McFaul J, et al. **Phys Med Biol** 1987 Feb;32(2):265–73

Aluminum equivalence of materials used in diagnostic radiology and its dependence on beam quality. Nagel HD. **Phys Med Biol** 1986 Dec;31(12):1381–99

Conversion factor f for X-ray beam qualities, specified by peak tube potential and HVL value. Seuntjens J, et al. **Phys Med Biol** 1987 May;32(5):595–603

Low-frequency Wiener spectra of radiographic screen-film systems. Wolf M, et al. **Phys Med Biol** 1987 May; 32(5):557–64

Care of the psychiatric patient in the radiography department. Borley V. **Radiography** 1986 Jul–Aug; 52(604):171–2

X-ray field collimation in diagnostic radiology. Rogers KD, et al. **Radiography** 1986 Jul–Aug;52(604):161–6

Erbium filtration in iodine contrast studies. Previtte RG Jr. **Radiol Technol** 1982 Mar–Apr;53(5):399–405

Radiography of persons with developmental disabilities. Unger SP. **Radiol Technol** 1982 May–Jun;53(6):481–7

Fentanyl and midazolam: an alternative to diazepam [letter] Ayre-Smith G. **Radiology** 1987 Jul;164(1):285

Double-contrast barium enema study: simple conversion to CO2. Bessette JR, et al. **Radiology** 1987 Jan;162(1 Pt 1):274–5

Optimal double-contrast visualization of the posteriorly directed duodenal bulb. Bloom SM, et al. **Radiology** 1986 Nov;161(2):549-50

Compression of radiological images with 512, 1,024, and 2,048 matrices. Lo SC, et al. **Radiology** 1986 Nov; 161(2):519-25

Retrograde ileography: value of glucagon. Monsein LH, et al. **Radiology** 1986 Nov;161(2):558-9

Fentanyl and diazepam for analgesia and sedation during radiologic special procedures [letter] Redmond PL, et al. **Radiology** 1987 Jul;164(1):284

[Tipped lateral projection in radiographic examination of the elbow joint. A valuable projection in elbow injuries] Hasselbalch H, et al. **Ugeskr Laeger** 1986 Oct 13; 148(42):2687-9 (Eng. Abstr.) **(Dan)**

[Electroroentgenography in the diagnosis of injuries of the extremities] Astakhova EI, et al. **Ortop Travmatol Protez** 1987 Jan;(1):49-50 **(Rus)**

[Methodological aspects of clinical and radiation diagnosis in internal diseases (1)] Viazitskiĭ PO, et al. **Voen Med Zh** 1986 Dec;(12):27-31 **(Rus)**

PSYCHOLOGY

Patient preference in upper gastrointestinal studies: roentgenography versus endoscopy. Hacker JF 3d, et al. **South Med J** 1987 Sep;80(9):1091-3

STANDARDS

Clinically acceptable tolerance of roentgen generator exposure parameters. Forsberg H. **Acta Radiol** 1987 Jan-Feb;28(1):121-7

Proceedings of the British Institute of Radiology: The assurance of quality in medical imaging. London, May 21, 1986. Abstracts. **Br J Radiol** 1987 Mar;60(711):305-8

Analysis of wasted X-ray films: experience in two Kuwait hospitals. Mustafa AA, et al. **Br J Radiol** 1987 May; 60(713):513-5

Calculation of the estimated collective effective dose equivalent (SE) due to x-ray diagnostic examinations--estimate of the SE in Finland. Rannikko S, et al. **Health Phys** 1987 Jul;53(1):31-6

Clinical significance of discrepancies in roentgenographic film interpretation in an acute walk-in area. Snow DA. **J Gen Intern Med** 1986 Sep-Oct;1(5):295-9

Relaxing the 10-day rule [letter] Jones RR. **Lancet** 1987 Jul 11;2(8550):103-4

Some properties of photon scattering in water phantoms in diagnostic radiology. Chan HP, et al. **Med Phys** 1986 Nov-Dec;13(6):824-30

A signal processing model of diagnostic x-ray scatter. Smith SW, et al. **Med Phys** 1986 Nov-Dec;13(6):831-5

Some results of quality assurance in medical radiography. Pană I, et al. **Radiol Diagn (Berl)** 1987;28(1):135-40

A radiation exposure meter for technologists. Vidic KE. **Radiol Technol** 1982 Sep-Oct;54(1):37-9

Minimizing unnecessary X-ray examinations. A national and professional approach. Whittaker LR. **Trop Doct** 1987 Apr; 17(2):62-6

[Rational use of clinical imaging techniques] Välimäki M, et al. **Duodecim** 1986;102(16):1120-6 **(Fin)**

[Introduction to the new roentgen ordinance] Becker U, et al. **Rontgenblatter** 1987 Jul;40(7):203-7 (Eng. Abstr.) **(Ger)**

[Implementing quality assurance in roentgen diagnosis in accordance with the new roentgen ordinance] Stender HS. **Rontgenblatter** 1987 Jul;40(7):208-14 (Eng. Abstr.) **(Ger)**

[Experiences with processing control in the radiology department of a large municipal hospital] von Volkmann T, et al. **Rontgenblatter** 1986 Dec;39(12):362-6 (Eng. Abstr.) **(Ger)**

[Assuring image quality in roentgen diagnostic services--information on DIN 6868. Part 2. Film processing: evaluating the uniformity of visual optic density] Becker-Gaab C, et al. **Rontgenpraxis** 1987 Feb; 40(2):43-50 **(Ger)**

[Image quality assurance in x-ray diagnostic concerns--constant testing using direct radiography (DIN 6868 Part 3)] Becker-Gaab C, et al. **Rontgenpraxis** 1987 Apr;40(4):127-36 **(Ger)**

[DIN 6868: a standard series for assuring image quality in roentgen diagnostic services] Kütterer G. **Rontgenpraxis** 1987 Feb;40(2):42 **(Ger)**

[Availability of roentgenologic examination at the level of health care units] Dobek J. **Pol Przegl Radiol (Warszawa)** 1986 Mar-Apr;50(2):69-75 **(Pol)**

[A program for quality control in roentgenology] Koroliuk IP, et al. **Vestn Rentgenol Radiol** 1986 Nov-Dec;(6):74-7 **(Rus)**

TRENDS

[Methodological aspects in accelerating scientific and technical progress in roentgenology and radiology] Savchenko AP. **Vestn Rentgenol Radiol** 1986 Jul-Aug; (4):5-7 **(Rus)**

UTILIZATION

Outpatient radiographic exposure in the first five years of life. Fosarelli PD, et al. **Clin Pediatr (Phila)** 1987 Jun; 26(6):296-301

Analytical modeling of worldwide medical radiation use. Mettler FA Jr, et al. **Health Phys** 1987 Feb;52(2):133-41

The effect of an on-site radiology facility on radiologic utilization in family practice. Strasser RP, et al. **J Fam Pract** 1987 Jun;24(6):619-23

[Structural dynamics of x-ray studies in pediatric therapeutic and prophylactic institutions of the Latvian SSR and its radiation hygiene aspects] Nemiro EA, et al. **Vestn Rentgenol Radiol** 1987 May-Jun;(3):8-11 (Eng. Abstr.) **(Rus)**

VETERINARY

A technique for simultaneous radiography and electromyography. Heywood LH, et al. **Br J Radiol** 1985 Aug;58(692):753-6

Interpreting radiographs 7: radiology of the equine shoulder and elbow. Dyson S. **Equine Vet J** 1986 Sep;18(5):352-61

Half a century of equine radiography [editorial] Webbon PM. **Equine Vet J** 1986 Sep;18(5):350-1

X-raying without anaesthesia [letter] Gibbs C, et al. **Vet Rec** 1987 Mar 21;120(12):287-8

[Lateral teleroentgenography in animal studies] Farmand M, et al. **Fortschr Kiefer Gesichtschir** 1987;32:24-6 **(Ger)**

[The correct position for X-ray exposure] Hartung K. **Tierarztl Prax** 1987;15(2):221-3 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY, BODY SECTION see **TOMOGRAPHY, X-RAY**

RADIOGRAPHY, DENTAL

A clinical trial of dental xeroradiography. Wilson NH, et al. **Br Dent J** 1986 Nov 8;161(9):327-35

Some factors related to dentists' decisions to extract teeth. Kay EJ, et al. **Community Dent Health** 1987 Mar;4(1):3-9

The effect of rare earth filtration on patient exposure, dose reduction, and image quality in oral panoramic radiology. Tyndall DA, et al. **Health Phys** 1987 Jan;52(1):17-26

Radiographic examinations. **J Am Dent Assoc** 1987;Spec No:41-2

Dental X rays found to have no effect on hearing aids. Jones GA, et al. **J Am Dent Assoc** 1986 Dec;113(6):912-3

Order of magnitude dose reduction in intraoral radiography. Kircos LT, et al. **J Am Dent Assoc** 1987 Mar;114(3):344-7

Radiopacity of posterior composites. Omer OE, et al. **J Dent** 1986 Aug;14(4):178-9

Curriculum guidelines for dental radiology for dental hygiene and dental assisting education. **J Dent Educ** 1987 Aug; 51(8):497-507

A robust digital method for film contrast correction in subtraction radiography. Ruttimann UE, et al. **J Periodont Res** 1986 Sep;21(5):486-95

Frequency of artifacts with xeroradiography using artifact-reduction techniques. Gratt BM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):589-94

Use and quality of bitewing films in private dental offices. Jensen OE, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):249-53

A method of determining the radiopacity of dental materials and foreign bodies. Price C. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):710-8

Prosthetic dentistry. Phillips HB. **Radiography** 1987 Jan-Feb; 53(607):53-5

An efficacy lesson for medical radiologists from our dental colleagues [editorial] Evens RG. **Radiology** 1987 Mar; 162(3):873

Dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients. Zeichner SJ, et al. **Radiology** 1987 Mar;162(3):691-5

Energy imparted from intraoral radiography. Stenström B, et al. **Swed Dent J** 1986;10(4):125-36

Dose contributions to the Swedish population from oral radiography. Stenström B. **Swed Dent J [Suppl]** 1986; 40:1-62

[Exposure to ionizing radiation during stomatologic roentgenologic examination] Domaradzka-Woźniak A, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul-Aug; 50(4):219-21 (Eng. Abstr.) **(Pol)**

[Program of teaching general and stomatological radiology in graduate stomatological studies in medical schools] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov-Dec;50(6):332-4 **(Pol)**

ADVERSE EFFECTS

Efficiency of the cervical lead shield during intraoral radiography. Kaffe I, et al. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):732-6

Effective dose equivalent from intraoral radiography. Stenström B, et al. **Swed Dent J** 1987;11(1-2):71-7

EDUCATION

Retention after computer-assisted instruction in intraoral radiography. Wenzel A, et al. **J Dent Educ** 1987 May; 51(5):244-5

Evaluating student progress through error reduction in intraoral radiographic technique. Patel JR, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):471-4

HISTORY

[Historical development of the radiologic diagnosis of the oromaxillofacial region] Hoffmann-Axthelm W. **Fortschr Kiefer Gesichtschir** 1987;32:1-6 **(Ger)**

INSTRUMENTATION

Collimation instruments [letter] Croll TP. **J Am Dent Assoc** 1987 Jun;114(6):768

Effects of rare-earth filters on patient exposure and image contrast. Mauriello SM, et al. **J Dent Res** 1987 Aug; 66(8):1326-30

[Evaluation of dental and dental DX roentgen films produced by the WZF Foton] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jan-Feb;50(1):52-5 (Eng. Abstr.) **(Pol)**

METHODS

The influence of viewing conditions on observer performance in dental radiology. Espelid I. **Acta Odontol Scand** 1987 Jun;45(3):153-61

Utilize your dental X-ray set better. Sewerin P. **Int Dent J** 1987 Mar;37(1):38-42

X-ray film duplication [letter] **J Am Dent Assoc** 1987 Jul; 115(1):12, 14

Radiographic techniques [letter] Kircos LT. **J Am Dent Assoc** 1987 Apr;114(4):438, 440

The accuracy of an x-ray film quality-assurance step-wedge test. Bloxom RM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):449-58

A comparison of Ektaspeed and Ultraspeed films using manual and automatic processing solutions. Fletcher JC. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):94-102

Clinical assessment of anatomic positioning and patient comfort for intraoral radiography: a comparison of xeroradiography versus film. Gratt BM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):241-8

Radiographic solution contamination. Hardman PK, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):733-7

Diagnostic imaging assessment of experimental intraoral "folded film". Ludlow JB. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):123-9

The effects of beam quality and optical density on image quality in dental radiography. Price C. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):580-8

Mechanically induced images on dental x-ray film. Sewerin IP. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):241-8

Optimal processing of Ektaspeed dental film. Fjellström CA, et al. **Swed Dent J** 1986;10(4):137-43

Rapid developing of Ektaspeed dental film by increase of temperature. Fredholm U, et al. **Swed Dent J** 1987; 11(3):121-6

[Temporomandibular imagery: indications in relation to various technics] Reychler H. **Rev Belge Med Dent** 1986 Oct;41(5):161-6 (Eng. Abstr.) **(Fre)**

[Indications and informativeness of multidimensional tomography] Rottke B, et al. **Fortschr Kiefer Gesichtschir** 1987;32:40-2 **(Ger)**

[Suitability of 3 radiological methods for determining bone loss in periodontal disease] Bianchi SD, et al. **Minerva Stomatol** 1987 May;36(5):361-5 (Eng. Abstr.) **(Ita)**

TRENDS

[Problems and progress in the plain diagnosis of the dentomaxillofacial region] Fuhrmann A. **Fortschr Kiefer Gesichtschir** 1987;32:11-4 **(Ger)**

UTILIZATION

Analytical modeling of worldwide medical radiation use. Mettler FA Jr, et al. **Health Phys** 1987 Feb;52(2):133-41

RADIOGRAPHY, INSUFFLATION see **PNEUMORADIOGRAPHY**

RADIOGRAPHY, PANORAMIC

Orthopantomographic survey. Loh FC. **Ann Acad Med Singapore** 1986 Jul;15(3):387-92

Diagnosis of developmental dental anomalies using panoramic radiographs. Pilo R, et al. **ASDC J Dent Child** 1987 Jul-Aug;54(4):267-72

Pneumatisation of the pterygoid plates of the sphenoid bone as a normal finding on dental panoramic tomographs. Bishop MG, et al. **Br Dent J** 1987 May 9;162(9):341-2

The effect of rare earth filtration on patient exposure, dose reduction, and image quality in oral panoramic radiology. Tyndall DA, et al. **Health Phys** 1987 Jan;52(1):17-26

Orthodontic radiology: a review. Smith NJ. **Int Dent J** 1987 Mar;37(1):16-24 (19 ref.)

Common positioning and technical errors in panoramic radiography. Schiff T, et al. **J Am Dent Assoc** 1986 Sep; 113(3):422-6

The use of panoramic radiographs for comparisons in cases of identification. Schwartz S, et al. **J Forensic Sci** 1977 Jan;22(1):145-6

Longitudinal study of the diagnostic yield of panoramic radiographs in aging edentulous men. Garcia RI, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):494-7

Panoramic ghosts. Kaugars GE, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):103-8

Reduction of body doses in rotational panoramic radiography by means of reduced beam width in combination with rare earth intensifying screens. Aagaard A, et al. **Scand J Dent Res** 1986 Dec;94(6):530-5

[Orthopantomographic study on the location of the mental foramen and mandibular canal in Chinese] Kuo YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):81–6 (Eng. Abstr.) **(Chi)**

[Comparative studies of the place of teleradiographs and orthopantomograms in the prognosis of third molar eruption] Hochban W, et al. **Fortschr Kiefer Gesichtschir** 1987;32:38–9 **(Ger)**

[Morphometric evaluation of orthopantomograms of jaw cysts] Rizecker H, et al. **Fortschr Kiefer Gesichtschir** 1987; 32:34–5 **(Ger)**

[Radiologic findings in cherubism—orthopantomography, CT and MR] Wackerle B, et al. **Rontgenpraxis** 1987 Mar; 40(3):104–7 **(Ger)**

INSTRUMENTATION

Comparison of focal trough dimensions and form by resolution measurements in panoramic radiography. Martinez-Cruz S, et al. **J Am Dent Assoc** 1987 May; 114(5):639–42

METHODS

The reverse panoral radiograph. Markus AF, et al. **Br Dent J** 1987 Feb 21;162(4):145–8

Rotational panoramic radiography: a comparison radiation doses in the standard and reverse positions. Williams FJ, et al. **Br J Radiol** 1986 Dec;59(708):1219–23

The variation in appearance of the hard palate and the nasal floor in rotational panoramic radiography. Reijnen AL, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):115–9

[Clinical application of per-oral radiography] Jia YC. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):145–6, 191 (Eng. Abstr.) **(Chi)**

[Indications for fine-focus magnification panoramic procedures in oromaxillofacial surgery] Freitag V. **Fortschr Kiefer Gesichtschir** 1987;32:26–9 **(Ger)**

[A new simple method of producing reproducible panoramic sectional images] Hemprich A, et al. **Fortschr Kiefer Gesichtschir** 1987;32:31–3 **(Ger)**

[Application of congruence orthopantomography (D-Congruator) in oromaxillofacial surgery] Sailer HF, et al. **Fortschr Kiefer Gesichtschir** 1987;32:29–31 **(Ger)**

[Possibilities and limitations of visualizing the temporomandibular joint using panoramic sectional procedures] Stursberg W. **Fortschr Kiefer Gesichtschir** 1987;32:36–7 **(Ger)**

[Delnon's congruence orthopantomography. The reproducibility of the orthopantomographic projection using the D-OPT congruence device] Delnon HP, et al. **Schweiz Monatsschr Zahnmed** 1987;97(4):478–83 **(Ger)**

STANDARDS

Evaluation of panoramic dental radiographs taken in private practice. Brezden NA, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):617–21

TRENDS

The current status of panoramic radiography. Hirschmann PN. **Int Dent J** 1987 Mar;37(1):31–7 (38 ref.)

RADIOIMMUNOASSAY

Heat-labile prolactin immunoreactivity in normal human tissues: artifacts of peptide hormone radioimmunoassay in human tissues. Adejuwon CA. **Afr J Med Med Sci** 1986 Mar–Jun;15(1–2):29–33

A manufacturer's criteria for in-house reference preparations for RAST inhibition. Maasch HJ, et al. **Ann Allergy** 1987 Jul;59(1):29–33

Performance characteristics of immunoenzymatic allergosorbent testing for total and specific immunoglobulin E. Moss R, et al. **Ann Allergy** 1987 Sep;59(3):185–91

A comparison of five curve-fitting procedures in radioimmunoassay. Nisbet JA, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):694–8

The RAST debate continues [letter] Clarke P, et al. **Aust Fam Physician** 1987 Apr;16(4):370

Quantitation of human in vitro megakaryocytopoiesis by radioimmunoassay. Grant BW, et al. **Blood** 1987 May; 69(5):1334–9

Development of a radioimmunoassay for the immunodiagnosis of schistosomiasis mansoni. Hillyer GV, et al. **Bol Asoc Med PR** 1986 Oct;78(10):431–3

RAST and ELISA in three autochthonous parasitic infections in Italy: toxocariasis, hydatidosis and fascioliasis. Tinelli M, et al. **Boll Ist Sieroter Milan** 1987;66(1):38–45

Comparison of indirect immunofluorescence and radioimmunoassay for detecting antibodies against hepatitis A virus of the IgG and IgM classes. Zaratti L, et al. **Boll Ist Sieroter Milan** 1986;65(6):477–80

Development of a microassay for histamine release. Clinton PM, et al. **Clin Allergy** 1987 May;17(3):181–9

An immunoassay for the detection of IgE antibodies to trimethoprim in the sera of allergic patients. Harle DG, et al. **Clin Allergy** 1987 May;17(3):209–16

Atrial natriuretic peptide in human plasma—comparison of radioreceptor versus radioimmunoassay. Sagnella GA, et al. **Clin Chim Acta** 1987 Jun 30;166(1):37–44

An interactive, readily transportable program using a log/logit transformation for the analysis of radioimmunoassay data. Goadsby PJ, et al. **Comput Methods Programs Biomed** 1986 Dec;23(3):263–8

ROC analysis in radioimmunoassay: an application to the interpretation of thyroglobulin measurement in the follow-up of thyroid carcinoma. Hannequin P, et al. **Eur J Nucl Med** 1987;13(4):203–6

Quantitative determination of the organ distribution of the cell adhesion molecule cell-CAM 105 by radioimmunoassay. Odin P, et al. **Exp Cell Res** 1987 Jul; 171(1):1–15

The influence of parathyroid hormone and its fragments on results from midregion and C-terminal specific radioimmunoassays. Kübler N, et al. **Exp Clin Endocrinol** 1987 Mar;89(1):61–9

Radioimmunoassay of beta HCG. McFarlin B, et al. **IMJ** 1986 Sep;170(3):141–2

Skin test and RAST in children allergic to common allergens. Roy S, et al. **Indian J Pediatr** 1987 May–Jun;54(3):437–40

Irrelevant IgE binding to cellulose discs in RAST. van Toorenebergen AW, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):436–9

Clinical application of radioimmunoassay of salivary testosterone. Majeed PA, et al. **J Assoc Physicians India** 1986 May;34(5):321–3

Radioimmunoassay for testicular cytochrome c (ct). Evidence for the presence of apocytochrome ct pool in rat testis extract. Kim IC. **J Biol Chem** 1987 Aug 15; 262(23):11156–62

Evaluation of radioimmunoassays: comparison of dose interpolation calculations by four parameter logistic and spline functions. Kraupp M, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):1023–8

Unconjugated morphine in blood by radioimmunoassay and gas chromatography/mass spectrometry. Spiehler V, et al. **J Forensic Sci** 1987 Jul;32(4):906–16

Serodiagnosis of invasive aspergillosis in patients with hematologic malignancy: validation of the Aspergillus fumigatus antigen radioimmunoassay. Talbot GH, et al. **J Infect Dis** 1987 Jan;155(1):12–27

Plasma adriamycin levels during remission induction therapy: RIA versus HPLC. Epstein J. **J Med Clin Exp Theor** 1986; 17(2):87–93

An interlaboratory study of lipid effects on steroid radioimmunosssay. Bolelli GF, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):209–13

Analysis of distributions and determination of reference limits in short series of data. Application to RIA. Chiecchio A, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):195–200

Rapid detection of microalbuminuria in diabetic patients by an agglutination inhibition test: comparison with radioimmunoassay. Giampietro O, et al. **J Nucl Med Allied Sci** 1986 Oct–Dec;30(4):215–9

The use of intradermal tests and relevance of negative controls in patients with negative or equivocal modified RAST test scores to inhalant allergens. Radford ER, et al. **Laryngoscope** 1987 Jun;97(6):675–7

Hybritech wins court injunction over sandwich assays [news] Ezzell C. **Nature** 1987 May 7–13;327(6117):5

Development and forensic application of radioimmunoassay for haloperidol. Takatori T, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):361–5

Basic conditions for radioimmunoassay of erythropoietin, and plasma levels of erythropoietin in normal subjects and anemic patients. Mizoguchi H, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):15–24

IgG levels after treatment with antigen vials based on the scratch testing, intradermal testing, modified RAST testing. Treviño RJ. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):307–11

Current tests for antibody to hepatitis b core antigen used to screen donors for non-A, non-B hepatitis are comparable to the original radioimmunoassay for hepatitis B core antigen. Troisi CL, et al. **Transfusion** 1987 Sep–Oct; 27(5):438–40

[Early detection of mucoviscidosis patients using trypsin RIA in dried blood stains] Luz O. **Padiatr Padol** 1987; 22(2):139–41 (Eng. Abstr.) **(Ger)**

[Diagnostic significance of immunoradiometric serum TSH determination] Passath A, et al. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):550–3 (Eng. Abstr.) **(Ger)**

[Rapid in vitro diagnosis of sarcoidosis using a RIA test] Reutgen H, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):130–4 (Eng. Abstr.) **(Ger)**

[So-called "celery-carrot-mugwort-spice syndrome." RAST results with new spice discs] Dietschi R, et al. **Z Hautkr** 1987 Apr 1;62(7):524–31 (Eng. Abstr.) **(Ger)**

[New developments in RAST studies and their evaluation] Kalveram KJ. **Z Hautkr** 1986 Oct 1;61(19):1363–71 (Eng. Abstr.) **(Ger)**

[Comparative studies of determining alpha fetoprotein using enzyme immunoassay and radioimmunoassay] Haller G, et al. **Z Med Lab Diagn** 1987;28(1):33–7 (Eng. Abstr.) **(Ger)**

[RIA-DAT: a dialog program for the statistical evaluation of radioimmunologic and immunoradiometric data analysis with a microcomputer] Opfermann J, et al. **Z Med Lab Diagn** 1986;27(5):257–61 (Eng. Abstr.) **(Ger)**

[Quality control of the RIA method for 3 tumor markers] Fusco A, et al. **Minerva Med** 1987 Apr 15;78(7):463–4 **(Ita)**

[Fundamental and clinical evaluation of an immunoradiometric assay for serum TSH using the Ventrex TSH kit] Fukazawa H, et al. **Kaku Igaku** 1987 Apr; 24(4):479–86 **(Jpn)**

[Fundamental and clinical evaluation of a highly sensitive immunoradiometric assay kit (RIA-gnost TSH Ultrasensitive) for serum TSH] Hara H, et al. **Kaku Igaku** 1986 Nov;23(11):1647–55 **(Jpn)**

[Fundamental and clinical study using the osteocalcin RIA kit] Nagai K, et al. **Kaku Igaku** 1987 Apr;24(4):487–96 **(Jpn)**

[Serological study on apple pollinosis—with special reference to aspect of specific IgE antibody measured by radioallergosorbent test (RAST)] Nagai M. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):71–9 (Eng. Abstr.) **(Jpn)**

[Four years study on Japanese cedar, orchard grass and ragweed pollinosis in Yotsukaido City—radioallergosorbent test (RAST) results of 361 patients] Shimada T. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jul;89(7):864–71 (Eng. Abstr.) **(Jpn)**

[Basic evaluation of highly sensitive thyroid stimulating hormone immunoradiometric assay kits] Matsunaga K, et al. **Radioisotopes** 1987 Apr;36(4):190–3 (Eng. Abstr.) **(Jpn)**

[Evaluation and comparison of high-sensitivity immunoradiometric assay kits for thyroid stimulating hormone] Tsukamoto I, et al. **Radioisotopes** 1987 May; 36(5):235–8 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay] Kurata M. **Rinsho Byori** 1986 Aug; 34(8):875–9 **(Jpn)**

[Detection of anti-HTLV-III antibodies in hemophiliacs—prevalence rates in Japan and comparison of two assay systems] Hattori T, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1057–63 (Eng. Abstr.) **(Jpn)**

[Radioimmunologic determination of aldosterone and renin in the blood in the diagnosis of different forms of arterial hypertension] Khamidov RI, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):7–9 (Eng. Abstr.) **(Rus)**

[Comparison of radioimmunoassay with enzyme immunoassay in the detection of serum antibodies against the human immunodeficiency virus] Abad MA, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):144–6 (Eng. Abstr.) **(Spa)**

[Serum levels of a new monoclonal carcinoembryonic antigen (CEA MARIA) in patients with non-neoplastic pathologies. Preliminary results (letter)] Ruibal A, et al. **Med Clin (Barc)** 1987 Feb 7;88(5):214–5 **(Spa)**

[Evaluation of 3 laboratory methods for the serological diagnosis of rubella] Vial P, et al. **Rev Med Chil** 1986 May; 114(5):445–9 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Performance of solid-state 48 detector gamma counter using solid phase total thyroxin and free thyroxin assays. Drew HM, et al. **J Nucl Med** 1986 Oct;27(10):1623–6

[Evaluation of the quality of the Czechoslovak-manufactured radioimmunoassay kit for the determination of alpha-1 fetoprotein] Koubová J, et al. **Cesk Gynekol** 1986 Aug; 51(7):528–34 (Eng. Abstr.) **(Cze)**

[Qualitative characteristics of Soviet kits for the radioimmunological determination of cortisol and progesterone in human blood serum] Surikov PM, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):60–5 (Eng. Abstr.) **(Rus)**

[Use of the Gamma-1 and Beta-1 units for radioimmunochemical research in the diagnosis of exocrine pathology] Danielov MM, et al. **Med Tekh** 1986 Sep–Oct; (5):40–3 **(Rus)**

METHODS

Radioimmunoassay for leukotrienes: some applications and limitations. Levine L. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:339–51

Comparative evaluation of the multiple RAST and discrete RAST for inhalant allergy. De Clerck LS, et al. **Allergy** 1986 Jul;41(5):327–30

Correlation of antispermatozoal antibody with infertility in immunized female rabbits using 14C-protein A in a filter radioassay. Eng LA, et al. **Am J Reprod Immunol Microbiol** 1986 Sep;12(1):17–20

Radioimmunoassay of rat apolipoprotein A-IV. Crump WL 3d, et al. **Anal Biochem** 1986 Nov 15;159(1):96–100

A solid-phase competitive radioimmunoassay for the insulin receptor. Roth RA, et al. **Anal Biochem** 1986 Nov 15; 159(1):163–8

Scintillation proximity assay: a sensitive and continuous isotopic method for monitoring ligand/receptor and antigen/antibody interactions. Udenfriend S, et al. **Anal Biochem** 1987 Mar;161(2):494–500

Sensitive and specific bromocriptine radioimmunoassay with iodine label: measurement of bromocriptine in human plasma. Bevan JS, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):686–93

Performance and clinical utility of a commercially available 'C-terminal' PTH assay. Ingle AR, et al. **Ann Clin Biochem** 1986 Jul;23 (Pt 4):434–9

Comparison of three parathyroid hormone assays. Nisbet JA. **Ann Clin Biochem** 1986 Jul;23 (Pt 4):429–33

Evaluation of anti-HBc IgM estimation by radioimmunoassay for anti-HBc on column separated IgM. De Cock KM, et al. **Ann Clin Lab Sci** 1987 Jan–Feb; 17(1):27–31

Statistical analysis of a liquid phase radioimmunoassay for immune complex determination. Laba C, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):111–27

Radioimmunoassay of 11–dehydrothromboxane B2 in human plasma and urine [published erratum appears in Biochim Biophys Acta 1987 Jun 2;919(2):203] Ciabattoni G, et al. **Biochim Biophys Acta** 1987 Apr 24;918(3):293–7

Absolute values of ras p21 defined by direct binding liquid competition radioimmunoassays. Horan Hand P, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):131–42

Development of an homologous radioimmunoassay for secreted prolactin from the California ground squirrel (Spermophilus beecheyi). Thordarson G, et al. **Biol Reprod** 1987 Jun;36(5):1186–90

Schistosomiasis in the Dominican Republic. Detection of antibodies by radioimmunoassay. Hillyer GV, et al. **Bol Asoc Med PR** 1986 Nov;78(11):477–9

The use of CA–50 radioimmunoassay inhibition test in the differential diagnosis of benign and malignant liver diseases. Habib NA, et al. **Br J Surg** 1986 Sep;73(9):758–9

Radioimmunoassay for IgG and IgM rheumatoid factors. Sesso RC, et al. **Braz J Med Biol Res** 1986;19(3):395–401

Radioimmunoassay for human osteocalcin using an antibody raised against the synthetic human (h37–49) sequence. Jüppner H, et al. **Calcif Tissue Int** 1986 Nov;39(5):310–5

Radioimmunoassay of glandular kallikrein in human plasma after partial purification by immunoaffinity column. Nishimura K, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):341–7

Insulin–like growth factor I (IGF–I) in healthy children, adolescents and adults as determined by a radioimmunoassay specific for the synthetic 53–70 peptide region. Silbergeld A, et al. **Clin Endocrinol (Oxf)** 1986 Jul; 25(1):67–74

Clinical evaluation of a two–site immunoradiometric assay for adrenocorticotrophin in unextracted human plasma using monoclonal antibodies. White A, et al. **Clin Endocrinol (Oxf)** 1987 Jan;26(1):41–51

Direct radioimmunoassay of human plasma atrial natriuretic peptide in various normal and pathophysiological states: increase in renal and cardiac failure during exercise. Morris M, et al. **Clin Exp Hypertens [A]** 1987;9(4):703–18

Sample preparation and radioimmunoassay for circulating free and antibody–bound insulin concentrations in insulin–treated diabetics: a re–evaluation of methods. Collins AC, et al. **Diabetic Med** 1985 Nov;2(6):456–60

Detection of human plasma–associated hepatitis B surface antigens by monoclonal antibodies (MAb): the same MAb can be used as both capture and tracer antibody. Chi KF, et al. **Diagn Clin Immunol** 1987;5(2):91–9

The effect of nonspecific binding by IgE on the radioallergosorbent test. O'Neil CE, et al. **Diagn Immunol** 1986;4(5):253–6

A new radioimmunoassay for human chorionic gonadotropin using monoclonal antibody. Katoh S, et al. **Endocrinol Jpn** 1986 Oct;33(5):691–700

A heterologous radioimmunoassay system for human osteocalcin. Applications in performance sports girls. Simionescu L, et al. **Endocrinologie** 1987 Apr–Jun; 25(2):101–6

Some methodic aspects in optimizing the radioimmunoassay of beta–endorphin. Rückert RI, et al. **Exp Clin Endocrinol** 1986 Aug;87(3):277–87

Detection of hepatitis B virus infection in hepatitis B surface antigen–negative hemodialysis patients by monoclonal radioimmunoassays. Fujita YK, et al. **Gastroenterology** 1986 Dec;91(6):1357–63

Development and validation of a salmon growth hormone radioimmunoassay. Bolton JP, et al. **Gen Comp Endocrinol** 1986 May;62(2):230–8

Plasma immunoreactive–growth hormone in domestic fowl: measurement by homologous and heterologous radioimmunoassays. Harvey S, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):92–8

The development and validation of a radioimmunoassay to measure plasma ACTH levels in salmonid fishes. Sumpter JP, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):367–76

Development of a salmon growth hormone radioimmunoassay. Wagner GF, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):452–8

A radioimmunoassay study of the plasma levels of sex steroids in the protandrous, sex–reversing fish Rhabdosargus sarba (Sparidae). Yeung WS, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):353–63

A sensitive routine assay for urinary albumin based on the competitive binding to anti–albumin antibodies in solid phase. Di Mario U, et al. **Horm Metab Res** 1986 Oct; 18(10):689–92

Synthesis of new head–activator analogues and their application for improved radioimmunoassays. Bodenmüller H, et al. **Int J Pept Protein Res** 1987 Jan;29(1):140–4

The preparation and properties of a highly specific antiserum elicited with 3–dehydrocholylglycine 3–succinyl–bovine serum albumin conjugate. Orbán EC, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):285–7

Monoclonal immunoassays for major dust mite (Dermatophagoides) allergens, Der p I and Der f I, and quantitative analysis of the allergen content of mite and house dust extracts. Chapman MD, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):184–94

Serum IgE antibodies to Trichophyton in patients with urticaria, angioedema, asthma, and rhinitis: development of a radioallergosorbent test. Platts–Mills TA, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):40–5

Determination of cyclic 3'–5'–adenosine monophosphate in plasma by RIA methods in the presence of EDTA. Penttilä IM, et al. **J Clin Chem Clin Biochem** 1986 Oct;24(10):747–50

Assessment of new radioimmunoassay kit for determining urinary albumin at low concentrations: comparison with radial immunodiffusion. Watts GF, et al. **J Clin Pathol** 1986 Oct;39(10):1151–4

Determination of ABO blood groups by radioimmunoassay using 125I–protein A. Fukushima H, et al. **J Forensic Sci** 1987 Mar;32(2):531–4

Rotative agitation RIA. A high sensitivity technique for hepatitis B surface antigen (HBsAg) determinations. Pineda JA, et al. **J Hepatol** 1986;3(3):356–62

Radio–immunoassay for plasma alpha human atrial natriuretic peptide: a comparison of direct and pre–extracted methods. Richards AM, et al. **J Hypertens** 1987 Apr;5(2):227–36

Dissociation of hepatitis B surface antigen (HBsAg) from immobilised anti–HBsAg antibody in a two site immunoradiometric assay: its relevance to hook effect and recycled assay. Ch'ng SL, et al. **J Immunoassay** 1987; 8(2–3):237–45

Methodological considerations for penicillin radioimmunoassay. Elsasser TH, et al. **J Immunoassay** 1987; 8(1):73–96

Direct radioimmunoassay of rat urinary kallikrein: its application to the determination of active and inactive kallikrein concentration after HPLC analysis. Girolami JP, et al. **J Immunoassay** 1987;8(1):115–30

Radioimmunoassay of the phytotoxic compound zinniol. Montillet JL, et al. **J Immunoassay** 1987;8(1):11–27

Radioimmunoassay for desciclovir, 2–[(2–amino–9H–purin–9–yl)methoxy]ethanol, a prodrug for the antiviral acyclovir. Quinn RP, et al. **J Immunoassay** 1987;8(2–3):247–65

Characteristics of radioimmunoassays for the alpha– and beta–subunits of human luteinizing hormone. St–Arnaud R, et al. **J Immunoassay** 1987;8(1):97–114

Radioimmunoassays for the enantiomeric components of indacrinone and their phenolic metabolites. Vyas KP, et al. **J Immunoassay** 1987;8(2–3):179–201

Characterization of monoclonal antibodies against human thyrotropin and use in an immunoradiometric assay and immunohistochemistry. Benkirane M, et al. **J Immunol Methods** 1987 Apr 16;98(2):173–81

Comparison of monoclonal and polyclonal antibodies to cotinine in nonisotopic and isotopic immunoassays. Bjercke RJ, et al. **J Immunol Methods** 1987 Feb 11;96(2):239–46

Third component of rat complement. Purification from plasma and radioimmunoassay in culture media from cell lines. Guiguet M, et al. **J Immunol Methods** 1987 Feb 11; 96(2):157–64

Excess antibody immunoassay for the measurement of tonin in rat tissues and plasma. Johansen L, et al. **J Immunol Methods** 1987 Apr 16;98(2):257–65

Application of solid–phase antibodies to radioimmunoassay. Evaluation of two polymeric microparticles, Dynospheres and nylon, activated by carbonyldiimidazole or tresyl chloride. McConway MG, et al. **J Immunol Methods** 1986 Dec 24;95(2):259–66

Re.: A new method for detection of radioimmunoassays [letter] Roth MB. **J Immunol Methods** 1986 Sep 27; 92(2):287–8

A sensitive radioimmunoassay for detection of antibodies to recombinant human interferon–alpha A. Palleroni AV, et al. **J Interferon Res** 1986 Dec;6(6):705–12

Region–specific immunoassays for human myelin basic protein. Groome NP, et al. **J Neuroimmunol** 1986 Oct; 12(4):253–64

Determination of proscillaridin in plasma by radioimmunoassay. Kojima K, et al. **J Pharmacobiodyn** 1986 Aug;9(8):665–71

Effect of nonspecific interactions of the hepatitis B surface antigen with the solid phase on its detection by two–site immunoradiometric assay. Khelifa R, et al. **J Virol Methods** 1987 Mar;15(4):303–12

The radioimmunoassay for human plasma atrial natriuretic peptide—its application to uremic patients. Nakagawa M, et al. **Jpn J Med** 1987 Feb;26(1):46–9

Monoclonal antibody purified beta 2–microglobulin: heterogeneity revealed by radioimmunoassay. Sadler WA, et al. **Pathology** 1987 Jan;19(1):71–6

A homologous radioimmunoassay for guinea pig corticosteroid–binding globulin. Hsu BR, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):243–9

Radioimmunoassay for 11–dehydro–TXB2: a method for monitoring thromboxane production in vivo. Kumlin M, et al. **Prostaglandins** 1986 Nov;32(5):741–67

A sensitive immunoradiometric assay for serum thyroid–stimulating hormone. A first–line investigation for thyroid function. Desai RK, et al. **S Afr Med J** 1987 Mar 21;71(6):361–2

The six equilibrium binding parameters of two antibodies in competitive radioimmunoassays. Bojesen E. **Scand J Immunol** 1987 Jan;25(1):69–82

Liquid and solid two–phase radioimmunoassay—simultaneous measurement of levels of triiodothyronine and thyroxine of human serum in a single specimen. Liu P, et al. **Sci Sin [B]** 1987 Feb;30(2):169–75

Sample pretreatment to minimize interferences from whole blood in the radioimmunoassay for cyclosporine. Lensmeyer GL, et al. **Transplantation** 1986 Oct;42(4):372–6

Technical aspects of the radioimmunoassay of cyclosporine A. McBride JH, et al. **Transplantation** 1987 Jul;44(1):153–4

[Determination of myoglobin in human serum and urine using our own radioimmunoassay method] Kurcová I, et al. **Cas Lek Cesk** 1987 Jan 9;126(2):57–60 (Eng. Abstr.) (Cze)

[Comparison of 4 modifications in the radioimmunoanalysis of thyroglobulin in human serum] Bednář J, et al. **Cesk Farm** 1986 Oct;35(8):354–8 (Eng. Abstr.) (Cze)

[Characterization and determination of collagen antibodies by a solid–phase radioimmunologic technic] Hartmann DJ, et al. **Ann Biol Clin (Paris)** 1986;44(3):266–8 (Eng. Abstr.) (Fre)

[Vasoactive intestinal polypeptide (VIP)—new radioimmunoassay and its possible clinical applications] Fried M, et al. **Schweiz Med Wochenschr** 1986 Jul 19; 116(29):985–6 (Eng. Abstr.) (Ger)

[Determination of maternal serum alpha fetoprotein with a Polish AFP radioimmunoassay—a suitable screening method for neural tube defects?] Schlosser H, et al. **Zentralbl Gynakol** 1986;108(15):914–8 (Eng. Abstr.) (Ger)

[Quantitation of histamine by radioimmunoassay] Mita H, et al. **Arerugi** 1987 Mar;36(3):121–9 (Eng. Abstr.) (Jpn)

[Fundamental and clinical study of parathyroid hormone kit 'Yamasa'] Fukunaga M, et al. **Kaku Igaku** 1987 Mar; 24(3):319–25 (Jpn)

[Fundamental and clinical evaluation of the SCC RIA kit] Habuchi Y, et al. **Kaku Igaku** 1986 Jul;23(7):967–72 (Jpn)

[Fundamental and clinical evaluation of an immunoradiometric assay kit for serum TSH: SUCROSEP TSH IRMA] Hara H, et al. **Kaku Igaku** 1986 Dec; 23(12):1765–71 (Jpn)

[Fundamental and clinical evaluation of a high sensitive immunoradiometric assay kit for serum TSH: the TSH MAIA clone kit] Hara H, et al. **Kaku Igaku** 1986 Jul; 23(7):973–80 (Jpn)

[Basic and clinical evaluation of RIA–gnost TSH kit as a high sensitive assay method] Hasegawa M, et al. **Kaku Igaku** 1987 Feb;24(2):193–201 (Jpn)

[Fundamental and clinical evaluation of immunoradiometric assay for TSH using monoclonal antibodies (Sucrosep)] Iida Y, et al. **Kaku Igaku** 1986 Oct;23(10):1465–71 (Jpn)

[Fundamental and clinical evaluation of the sensitive immunoradiometric assay (RIA–gnost hTSH) for TSH] Kasagi K, et al. **Kaku Igaku** 1987 Feb;24(2):203–13 (Jpn)

[Experimental studies on a sensitive TSH immunoradiometric assay using monoclonal antibodies] Nagata A, et al. **Kaku Igaku** 1986 Dec;23(12):1755–63 (Jpn)

[Fundamental and clinical evaluation of a CEA immunoradiometric assay using a monoclonal antibody coated tube] Nagata A, et al. **Kaku Igaku** 1986 Jun; 23(6):833–42 (Jpn)

[Clinical experience of a sensitive immunoradiometric thyrotropin assay kit (RIA–gnost hTSH)] Nakamura S, et al. **Kaku Igaku** 1987 Mar;24(3):335–40 (Jpn)

[Fundamental and clinical studies on highly sensitive RIA kit for vasopressin in human plasma using a reversed–phase C18 silica column] Yamazaki M, et al. **Kaku Igaku** 1987 Feb;24(2):181–92 (Jpn)

[Studies on 17 alpha, 20 alpha–dihydroxy–4–pregnen–3–one in non–pregnant and pregnant women by a new radioimmunoassay system] Satoh K. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar 20;63(3):227–38 (Eng. Abstr.) (Jpn)

[Release of cholecystokinin and exocrine pancreatic secretion, gallbladder contraction—establishment of a radioimmunoassay specific for CCK33] Hosotani R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2383–92 (Eng. Abstr.) (Jpn)

[Some technical and basic study of RIA–gnost TSH designed for the sensitive determination of serum thyrotropin] Ishihara S, et al. **Radioisotopes** 1986 Aug;35(8):433–6 (Jpn)

[Fundamental studies on an IgM anti–HBc radioimmunoassay kit] Kanamori I, et al. **Radioisotopes** 1986 Jul;35(7):379–82 (Jpn)

[A fundamental and clinical study of ferritin 'Eiken' radioimmunoassay kit] Kobayashi Y, et al. **Radioisotopes** 1987 Jan;36(1):28–31 (Eng. Abstr.) (Jpn)

[Fundamental studies on thyroid stimulating hormone immunoradiometric assay kit (TSH RIABEAD II)] Muraki H, et al. **Radioisotopes** 1987 Jan;36(1):24–7 (Eng. Abstr.) (Jpn)

[Fundamental studies on thyroglobulin 'Eiken' radioimmunoassay kit] Muraki H, et al. **Radioisotopes** 1986 Jun;35(6):325–8 (Jpn)

[The application of multivariate analysis to the radioallergosorbent test (RAST)] Yamamoto H, et al. **Radioisotopes** 1986 Sep;35(9):461–6 (Eng. Abstr.) (Jpn)

[Evaluation of a radioimmunoassay kit for neuron specific enolase "gamma–enolase Eiken" Ohkura H, et al. **Rinsho Byori** 1987 Apr;35(4):458–62 (Jpn)

[Detection of immune complexes by radioimmunoassay using Raji cells] Tojo T, et al. **Rinsho Byori** 1986 Oct;Spec No 69:85–93 (Jpn)

[Specific antibodies in technics of radioimmunological analysis] Piven' NV. **Med Radiol (Mosk)** 1986 Dec; 31(12):87–93 (73 ref.) (Rus)

[Clinical use of radiosaturation analysis] Babić L, et al. **Med Pregl** 1986;39(7–8):345–9 (Eng. Abstr.) **(Scr)**

STANDARDS

Cardiac-specific troponin-I radioimmunoassay in the diagnosis of acute myocardial infarction. Cummins B, et al. **Am Heart J** 1987 Jun;113(6):1333–44

Assay methods for fentanyl in serum: gas–liquid chromatography versus radioimmunoassay. Woestenborghs RJ, et al. **Anesthesiology** 1987 Jul;67(1):85–90

[Initial basic and clinical evaluation of a solid-phase immunoradiometric assay for sialyl SSEA-1 antigen: 1. Evaluation of assay conditions and normal values] Imura H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1315–21 (Eng. Abstr.) **(Jpn)**

[Initial basic and clinical evaluation of a solid-phase immunoradiometric assay for sialyl SSEA-1 antigen: 2. Evaluation of clinical significance] Imura H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1322–31 (Eng. Abstr.) **(Jpn)**

[Evaluation of CA 15-3 radioimmunoassay] Takemori Y, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):114–8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of radioimmunoassay (RIA) for a non-specific cross-reacting antigen (NCA)] Ura Y, et al. **Kaku Igaku** 1986 Jul;23(7):877–85 (Eng. Abstr.) **(Jpn)**

RADIOIMMUNOSORBENT TEST see under **RADIOIMMUNOASSAY**

RADIOISOTOPE ANGIOGRAPHY see **RADIONUCLIDE ANGIOGRAPHY**

RADIOISOTOPE BRACHYTHERAPY see **BRACHYTHERAPY**

RADIOISOTOPE DILUTION TECHNIC

Calculation of metabolic fluxes with anatomically separated sources of tracer and tracee. Norwich KH, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E715–20

Isotope dilution analysis using chromatographic separation of isotopic forms of the compound to be measured. Pratt JJ. **Ann Clin Biochem** 1986 May;23 (Pt 3):251–76

Precision of the doubly labelled water method using the two-point calculation. Schoeller DA, et al. **Hum Nutr Clin Nutr** 1987 May;41(3):215–23

Serum inorganic sulphate: quantitation by a new radiochemical method. Soliman H, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):1029–32

Labelling nucleic acids for hybridization. Cunningham MW, et al. **Nature** 1987 Apr 16–22;326(6114):723–4

On the theory of the measurement of the first-pass pulmonary extraction using the indicator dilution technique. Akber SF. **Nuklearmedizin** 1987 Feb;26(1):20–7

[Quantitative and clinical evaluation of the whole CSF-axis RI image with particular reference to the significance of spinal stasis] Tomono Y, et al. **Kaku Igaku** 1987 Apr; 24(4):453–62 (Eng. Abstr.) **(Jpn)**

RADIOISOTOPE GENERATORS see **RADIONUCLIDE GENERATORS**

RADIOISOTOPE RENOGRAPHY

Effect of prolonged transit on measuring relative renal function [letter] Greenberg ID, et al. **AJR** 1987 Oct; 149(4):860–1

Misleading technetium-99m DTPA renogram in renal carcinoma. Cosgriff PS, et al. **Br J Radiol** 1987 Jul; 60(715):717–9

Predictive value of 99mTc-DTPA renography studies under conditions of maximal diuresis for the functional outcome of reconstructive surgery in children with obstructive uropathy. Sukhai RN, et al. **Br J Urol** 1986 Dec; 58(6):596–600

Low grade pelviureteric junction obstruction with normal diuretic renography. Wacksman J, et al. **Br J Urol** 1986 Aug;58(4):364–7

Flip-flop phenomenon in radiohippuran renal imaging. A sign of obstructive nephropathy. Shih WJ, et al. **Clin Nucl Med** 1986 Oct;11(10):707–12

A FORTRAN program for deconvolution analysis using the matrix algorithm method with special reference to renography. Kempi V. **Comput Methods Programs Biomed** 1987 Apr;24(2):107–16

Interactive functional imaging of renal scintigraphy after captopril in the detection of global and segmental hypoperfusion. Fommei E, et al. **Contrib Nephrol** 1987; 56:111–6

Quantitative assessment of the diuresis renogram. Kletter K, et al. **Contrib Nephrol** 1987;56:261–6

Analysis of ureteral peristalsis in routine renography using a time-space approach. Müller-Suur R, et al. **Contrib Nephrol** 1987;56:232–7

The significance of captopril renography in renovascular hypertension. Oei HY, et al. **Contrib Nephrol** 1987; 56:95–103

Can the deconvoluted renogram infer improvements in renal drainage? Payne SR, et al. **Contrib Nephrol** 1987;56:60–4

Evaluation of separate renal function with 123I-hippuran in children with reflux uropathy before and after surgery. Produit S, et al. **Contrib Nephrol** 1987;56:243–9

Experimental studies on the renal transfer function for 131I-hippuran and 99mTc-DTPA. Szabó Z, et al. **Contrib Nephrol** 1987;56:71–6

Assessment of renal function and scarring: is a DMSA scan always necessary? Wujanto R, et al. **Contrib Nephrol** 1987; 56:250–5

The influence of ischemia on 131I-Hippuran renograms performed after kidney transplantation and its prognostic value. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar; 34(1):52–7

The sensitivity and specificity of Hippuran renography as a diagnostic investigation of renal transplant rejection. Jørgensen JI, et al. **Dan Med Bull** 1987 Mar;34(1):50–2

90-minute 99mTc-MDP scintigraphy and 131I-hippuran renography in recently allotransplanted kidneys: evaluation of renal ischemia. Thomsen HS, et al. **Eur J Nucl Med** 1986;12(3):110–4

Predictive value of exercise renography for presurgical evaluation of nephrogenic hypertension. Clorius JH, et al. **Hypertension** 1987 Sep;10(3):280–6

Tissue distribution properties of technetium-99m-diamide-dimercaptide complexes and potential use as renal radiopharmaceuticals. Kasina S, et al. **J Med Chem** 1986 Oct;29(10):1933–40

Animal evaluation of technetium-99m triamide mercaptide complexes as potential renal imaging agents. Eshima D, et al. **J Nucl Med** 1987 Jul;28(7):1180–6

Aluminemic disturbance of technetium-99m DTPA renal function measurement. Specht HD, et al. **J Nucl Med** 1987 Mar;28(3):383–6

Diuresis renography 8 years later: an update. O'Reilly PH. **J Urol** 1986 Nov;136(5):993–9

Diuresis renography and simultaneous renal pelvic pressure in hydronephrosis. Poulsen EU, et al. **J Urol** 1987 Aug; 138(2):272–5

Hydronephrosis, renal obstruction, and renography [editorial] **Lancet** 1987 Jun 6;1(8545):1301–2

A comprehensive analysis of renal DTPA studies. II. Renal transplant evaluation. Rutland MD. **Nucl Med Commun** 1985 Jan;6(1):21–30

A comprehensive analysis of renal DTPA studies. I. Theory and normal values. Rutland MD. **Nucl Med Commun** 1985 Jan;6(1):11–20

Drainage of the upper urinary tract as recorded with renography in patients with a continent urostomy (Kock pouch). An experimental study with various degrees of reservoir filling. Akerlund S, et al. **Scand J Urol Nephrol** 1987;21(2):109–14

Evaluation of separate renal function by means of 99mTc-aprotinin uptake test. Aprile C, et al. **Uremia Invest** 1985–86;9(2):165–70

99mTc-aprotinin for the study of renal morphology and tubular function. Bianchi C, et al. **Uremia Invest** 1985–86; 9(2):139–46 (22 ref.)

Validation of a simple isotopic technique for the measurement of global and separated renal function. Chachati A, et al. **Uremia Invest** 1985–86;9(2):177–9

Noninvasive diagnosis and follow-up of childhood renal vein thrombosis by ultrasound, Doppler, and renal scintiscan. Park CH, et al. **Uremia Invest** 1985–86;9(2):305–13

Reliability of single kidney glomerular filtration rate measured by a 99mTc-DTPA gamma camera technique. Rehling M, et al. **Uremia Invest** 1985–86;9(2):171–6

Prognosis of renal transplant function by renography with radioactive hippuran. Riccabona G, et al. **Uremia Invest** 1985–86;9(2):281–5

Renogram evaluation using an equation of balance for clearance and transit time determination. Wolf IH, et al. **Uremia Invest** 1985–86;9(2):181–6

Diuretic renography in evaluating dilated upper urinary tract in children. Ireton RC, et al. **Urology** 1987 Feb;29(2):178–84

Troubleshooting the diuretic renogram. Maizels M, et al. **Urology** 1986 Nov;28(5):355–63

[Clinical MRI of disease. 5) Urogenital system diseases. a. Tracer measurement by MRI. Kidney function evaluation] Ikehira H, et al. **Nippon Rinsho** 1987 Jan;45(1):162–6 **(Jpn)**

[Importance of radioisotope renography with 131I-hippuran as a screening method in the 1st stage of the dispensary care of patients with high and stable arterial hypertension of unknown origin] Iurenev AP, et al. **Kardiologiia** 1987 Apr;27(4):100–1 **(Rus)**

[Renography and dynamic scintigraphy of the kidneys in rheumatoid arthritis] Askerov NM. **Med Radiol (Mosk)** 1987 Jun;32(6):13–7 (Eng. Abstr.) **(Rus)**

[Radionuclide research on liver and kidney function in thyroid cancer after radioiodine therapy] Vasil'ev LIa, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):38–41 (Eng. Abstr.) **(Rus)**

[Evaluation of renal function in the postoperative period based on data from radionuclide studies] Smoliarenko LV. **Urol Nefrol (Mosk)** 1986 Sep-Oct;(5):21–4 (Eng. Abstr.) **(Rus)**

[Regional renal function using dynamic scintigraphy with 131 I-hippuran in children with vesicoureteral reflux] Batinić D, et al. **Lijec Vjesn** 1987 Apr–May;109(4–5):138–42 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

[Semiquantitative parametric analysis of renograms recorded by the ZM-703-M3 IZOLDA medical device] Wylezińska M, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jan–Feb; 50(1):22–6 (Eng. Abstr.) **(Pol)**

METHODS

Gamma camera renography with 99Tcm-MDP and 131I-Hippuran. Thomsen F, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep-Oct;27(5):565–8

99mTc-glucoheptonate for quantitation of differential renal function. Ziessman HA, et al. **AJR** 1987 May;148(5):889–93

Reproducibility of three methods of renal clearance estimation without blood samples by means of 99mTc-DTPA. Piepsz A, et al. **Contrib Nephrol** 1987; 56:77–81

Renovascular hypertension identified by captopril-induced changes in the renogram. Geyskes GG, et al. **Hypertension** 1987 May;9(5):451–8

Quantitative evaluation of functional renal volume in normal children based on [123I]hippuran gamma camera renography. Carlsen O, et al. **Int J Biomed Comput** 1986 Sep;19(2):119–36

Determination of glomerular filtration rate by Gates' method [letter] Aprile C, et al. **J Nucl Med** 1986 Oct;27(10):1644–5

Renal arteriovenous transit times of technetium-radiolabeled chelates. Conrad GR, et al. **J Nucl Med** 1987 Jul; 28(7):1134–43

Volume expansion diuretic renal scan in urinary tract obstruction. Howman-Giles R, et al. **J Nucl Med** 1987 May; 28(5):824–8

Estimating the plasma time-activity curve during radionuclide renography. Kuruc A, et al. **J Nucl Med** 1987 Aug;28(8):1338–40

Captopril renography in two kidney and one kidney Goldblatt hypertension in dogs. Nally JV Jr, et al. **J Nucl Med** 1987 Jul;28(7):1171–9

Renal scintigraphy in the evaluation of renovascular hypertension: a note of optimism yet caution. Nally JV Jr. **J Nucl Med** 1987 Sep;28(9):1501–5 (28 ref.)

Measurement of single kidney glomerular filtration rate by technetium-DTPA renography [letter] Rehling M, et al. **J Nucl Med** 1987 Mar;28(3):399

Uncontrolled variables in the measurement of renal function [letter] Russell CD, et al. **J Nucl Med** 1986 Oct;27(10):1644

Single-dose captopril scintigraphy in the diagnosis of renovascular hypertension. Sfakianakis GN, et al. **J Nucl Med** 1987 Sep;28(9):1383–92

Single-sample method for the estimation of glomerular filtration rate in children. Tauxe WN, et al. **J Nucl Med** 1987 Mar;28(3):366–71

Measurement of glomerular filtration rate with technetium-99m DTPA: comparison of plasma clearance techniques. Waller DG, et al. **J Nucl Med** 1987 Mar; 28(3):372–7

Measurement of glomerular filtration rate [letter] Watson WS, et al. **J Nucl Med** 1986 Oct;27(10):1645–7

Self-regulating of the kidneys in clearance processes. Kyuldjiev V, et al. **Radiobiol Radiother (Berl)** 1987; 28(1):91–6

[Improvement in the informativeness of diuretic kidney function scintigraphy by calculation of a washout index] Zechmann W, et al. **ROFO** 1987 Feb;146(2):148–57 (Eng. Abstr.) **(Ger)**

[Measurement of split glomerular filtration rate, effective renal plasma flow, and filtration fraction by fractional renal uptake] Aburano T, et al. **Kaku Igaku** 1986 Jun;23(6):783–91 (Eng. Abstr.) **(Jpn)**

[Re-estimation of renal function with 99mTc-DTPA by the Gates' method] Itoh K, et al. **Kaku Igaku** 1987 Apr; 24(4):389–96 (Eng. Abstr.) **(Jpn)**

[Functional computer images in the evaluation of the status of the renal parenchyma in children] Dmitrienkov BN, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):10–5 (Eng. Abstr.) **(Rus)**

[Method of determining separate kidney clearance] Narkevich Bla, et al. **Med Radiol (Mosk)** 1987 Apr; 32(4):48–52 (Eng. Abstr.) **(Rus)**

[Kidney function of amyloidosis patients studied by radioisotope renography using 131I-hippuran] Mukharliamova LIu, et al. **Ter Arkh** 1986;58(8):55–7 (Eng. Abstr.) **(Rus)**

[The allergen-renographic provocation test as a diagnostic method in latent chronic pyelonephritis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1987 Mar-Apr;(2):15–9 (Eng. Abstr.) **(Rus)**

RADIOISOTOPE SCANNING see **RADIONUCLIDE IMAGING**

RADIOISOTOPE TELETHERAPY

Postoperative radiation therapy and adjuvant chemoimmunotherapy in breast cancer. Aspects of timing and immune competence. Klefström P, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):161–6

Combined intraoperative and postoperative irradiation for soft tissue sarcomas. Nobler MP. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):112–21

Ultrasonographic measurement of tumor regression in radiation therapy. Shirato H, et al. **Radiat Med** 1986 Jul-Sep;4(3):81–5

Techniques and results in the irradiation of recurrences, macroscopic residues, and primary inoperable tumors in

rectal cancer. De Renzis C, et al. **Rays** 1986 May–Aug; 11(2):119–23

Symptomatic–palliative and pain–relieving radiotherapy of neoplasms in advanced stages. Latini P, et al. **Rays** 1986 Jan–Apr;11(1):133–9

[Short course radiotherapy in malignant lymphoma] Zhang YW, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep; 8(5):358–60 (Eng. Abstr.) **(Chi)**

[The 60Co radiotherapy of intracranial tumor (an analysis of 170 cases)] Zhang YL. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Oct;20(5):302–5 (Eng. Abstr.) **(Chi)**

[Evaluation of low–dose cobalt teletherapy in the treatment of oropharyngeal cancers of moderate extension] Pierquin B, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(2):99–101 (Eng. Abstr.) **(Fre)**

[Fractionation of the daily dose (hyperfractionation) in telegammatherapy of laryngeal tumors] Mardynsky JuS, et al. **Radiobiol Radiother (Berl)** 1986;27(4):407–12 (Eng. Abstr.) **(Ger)**

[Radioimmunological diagnosis of endocrine disorders in radiotherapy of cervix carcinoma] Modnikov OP. **Radiol Diagn (Berl)** 1986;27(5):643–6 (Eng. Abstr.) **(Ger)**

[Repair mechanisms of the lung—experimental and clinical results] Herrmann T, et al. **Strahlenther Onkol** 1987 Jun; 163(6):370–7 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of Kaposi's sarcoma] Reichelt S, et al. **Strahlenther Onkol** 1987 Mar;163(3):144–7 (Eng. Abstr.) **(Ger)**

[Results of non–operative treatment of primary brain tumors using teleradiotherapy and chemotherapy] Peszyński J, et al. **Neurol Neurochir Pol** 1986 Jul–Aug;20(4):338–40 (Eng. Abstr.) **(Pol)**

[A case of primary melanoma of the nasal mucosa treated with high–fractionated doses of irradiation] Fijuth J. **Nowotwory** 1986 Jul–Sep;36(3):217–21 (Eng. Abstr.) **(Pol)**

[Combined treatment of patients with stage IIa cervical cancer. Preliminary report] Kietlińska Z, et al. **Nowotwory** 1986 Oct–Dec;36(4):325–31 (Eng. Abstr.) **(Pol)**

[Evaluation of the effectiveness of adjuvant radiotherapy in patients with malignant neoplasms of the testis] Reinfuss M, et al. **Nowotwory** 1986 Oct–Dec;36(4):304–11 (Eng. Abstr.) **(Pol)**

[TDF system in cobalt radioisotope teletherapy] Szymczyk W, et al. **Nowotwory** 1987 Jan–Mar;37(1):77–88 (Eng. Abstr.) **(Pol)**

[The planning of teletherapy using computerized tomography] Domaradzka–Woźniak A, et al. **Pol Przegl Radiol (Warszawa)** 1986 May–Jun;50(3):162–4 (Eng. Abstr.) **(Pol)**

[Formalization of clinico–topometric information in planning combined programmed gamma–therapy of endometrial cancer] Titova VA, et al. **Med Radiol (Mosk)** 1987 Jul; 32(7):34–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Toxicity of oral radiotherapy in patients with acquired immunodeficiency syndrome. Cooper JS, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):327–8

Massive haemoptysis as a late consequence of pulmonary irradiation. Isaacs RD, et al. **Thorax** 1987 Jan;42(1):77–8

[Late radiation–induced necrosis of the brain—a follow–up study using computerized tomography] Ebner F, et al. **Strahlenther Onkol** 1987 May;163(5):301–4 (Eng. Abstr.) **(Ger)**

[Post–irradiation reactions in patients with laryngeal cancer after continuous and intermittent Co–60 teletherapy] Peszyński J, et al. **Otolaryngol Pol** 1986;40(6):409–13 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

[Presentation of a new partial–field blocker for breast–preserving therapy of breast carcinoma] Brix F, et al. **Strahlenther Onkol** 1987 May;163(5):314–20 (Eng. Abstr.) **(Ger)**

METHODS

Different fractionation schedules in radiation treatment of cerebral metastases. D'Elia F, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):181–4

Daily multiple session radiation therapy in advanced oral carcinoma. A preliminary investigation. Nagarajan V, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):185–6

Split–dose and low dose–rate recovery in four experimental tumour systems. Stephens TC, et al. **Int J Radiat Biol** 1987 Jul;52(1):157–70

Teletherapy beam characteristics: the first second. Barish RJ, et al. **Med Phys** 1987 Jul–Aug;14(4):657–61

A method of taking into account the inhomogeneity backscatter contribution to the Batho correction factor. Iwasaki A. **Phys Med Biol** 1986 Aug;31(8):923–6

Radiation therapy of ovarian carcinoma: presentation of a six–field technique. Einhorn N, et al. **Radiother Oncol** 1986 Oct;7(2):125–31

Exclusive use of radiation therapy in the treatment of non–small cell lung carcinoma. Evaluation of a series of 93 patients. Malinverni G, et al. **Rays** 1985 Sep–Dec; 10(3):119–26

[Radiotherapy of inoperable pancreatic cancer using an intensive method] Chernyĭ VA, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):76–8 **(Rus)**

[Topometric preparation of prostatic cancer patients for teleradiotherapy] Makarova GV, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):59–61 **(Rus)**

RADIOISOTOPES

see related

ISOTOPE LABELING

Turnover and excretion of copper in rats as measured with 67Cu. Linder MC, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E551–5

Radiolabeling of equine platelets in plasma with 111In–(2–mercaptopyridine–N–oxide) and their in vivo survival. Coyne CP, et al. **Am J Vet Res** 1987 Mar; 48(3):385–91

Proceedings of the British Institute of Radiology. Diagnostic and therapeutic uses of radioisotopes in oncology. Abstracts of papers. London, November 26, 1986. **Br J Radiol** 1987 Jul;60(715):731–4

An autoclavable transport container for guide–wires containing iridium 192. Deans T, et al. **Br J Radiol** 1986 Dec;59(708):1223–4

The use of simulator–based computed tomography in iridium–192 dosimetry. Kotre CJ, et al. **Br J Radiol** 1986 Oct;59(706):1035–6

Retention of indium 111 by incinerator ash [letter] Mountford PJ, et al. **Br J Radiol** 1986 Oct;59(706):1050–1

Improved 63Ni radiochemical assay of free fatty acids in plasma. Barash H, et al. **Clin Chem** 1987 Jan;33(1):176–9

Results of ERBF and ERPF measurements in healthy dogs with two new radiopharmaceutical principles. de Jong R, et al. **Contrib Nephrol** 1987;56:49–52

Biodistribution of tantalum–178: a short–lived radiopharmaceutical for blood pool imaging. Wilson RA, et al. **Eur J Nucl Med** 1987;13(2):82–5

Dose assessment from incineration of deregulated solid biomedical radwaste. Evdokimoff V. **Health Phys** 1987 Mar;52(3):325–9

Electron dose–rate conversion factors for external exposure of the skin from uniformly deposited activity on the body surface. Kocher DC, et al. **Health Phys** 1987 Aug; 53(2):135–41

Modular automation in PET tracer manufacturing: application of an autosynthesizer to the production of 2–deoxy–2–[18F]fluoro–D–glucose. Alexoff DL, et al. **Int J Rad Appl Instrum [A]** 1986;37(10):1045–61

Chemistry of fluorine–18 radiopharmaceuticals. Berridge MS, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):685–93 (116 ref.)

Preparation of no carrier added fluorine–18 labeled 16–fluorohexadecanoic and fluoroacetic acids from highly reactive tetraethylammonium [18F]fluoride. Bosch AL, et al. **Int J Rad Appl Instrum [A]** 1986;37(4):305–8

[18F]fluoride from a small cyclotron for the routine synthesis of [18F]2–fluoro–2–deoxy–D–glucose. Dejesus OT, et al. **Int J Rad Appl Instrum [A]** 1986;37(5):397–401

Fluorine–18 labeled receptor based radiopharmaceuticals. Kilbourn MR, et al. **Int J Rad Appl Instrum [A]** 1986; 37(8):677–83

Sum peak method applied to the study of human platelet cells. Kudo T, et al. **Int J Rad Appl Instrum [A]** 1987; 38(2):123–7

Targetry and radiochemical methods for the simultaneous cyclotron production of no–carrier–added radiopharmaceutical–quality 100Pd, 97Ru and 101mRh. Lagunas–Solar MC, et al. **Int J Rad Appl Instrum [A]** 1987; 38(2):151–7

Stereospecific approach to the synthesis of [18F]2–deoxy–2–fluoro–D–mannose. Luxen A, et al. **Int J Rad Appl Instrum [A]** 1986;37(5):409–13

18F–labelled N,N–dimethylamphetamine analogues for brain imaging studies. Mathis CA, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):865–72

Radiopharmaceuticals labelled with bromine isotopes. Maziere B, et al. **Int J Rad Appl Instrum [A]** 1986; 37(8):703–13 (134 ref.)

Production of no–carrier added 67Cu. Mirzadeh S, et al. **Int J Rad Appl Instrum [A]** 1986;37(1):29–36

Production of reactive fluorine–18. Nickles RJ, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):649–61 (39 ref.)

Syntheses of selenium labelled compounds—II. The exchange reaction with elemental selenium. Ogawa K, et al. **Int J Rad Appl Instrum [A]** 1986;37(4):315–8

Synthesis and biodistribution of [125I]iodo– and [75Se]seleno–ergoline derivatives. Sadek S, et al. **Int J Rad Appl Instrum [A]** 1987;38(5):391–7

Quality control of radioactive products in the hospital. Bizollon CA, et al. **Int J Rad Appl Instrum [B]** 1986; 13(2):223–5

Biomedical cyclotrons for radioisotope production. Comar D, et al. **Int J Rad Appl Instrum [B]** 1986;13(2):101–7

Generators for short–lived gamma and positron emitting radionuclides: current status and prospects. Guillaume M, et al. **Int J Rad Appl Instrum [B]** 1986;13(2):89–100 (72 ref.)

Quality control of radiopharmaceuticals: the manufacturer's point of view. Jean–Baptiste Y. **Int J Rad Appl Instrum [B]** 1986;13(2):221–2

The development of an 191Os——191mIr generator using an osmium chelate parent complex—I. Trans–dioxobismalonatoosmate(VI). Packard AB, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):519–22

Molecules labeled with positron emitting halogens. Stöcklin G. **Int J Rad Appl Instrum [B]** 1986;13(2):109–18 (73 ref.)

Biodistribution of N–alkyl and N–fluoroalkyl derivatives of spiroperidol; radiopharmaceuticals for PET studies of dopamine receptors. Welch MJ, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):523–6

The effect of 110mAg on ceruloplasmin oxidase activity in rats. Bláha K Jr, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):39–43

Toxicity of indium–111 on the radiolabeled lymphocyte. Balaban EP, et al. **J Nucl Med** 1987 Feb;28(2):229–33

High yield synthesis of 6–[18F]fluoro–L–dopa by regioselective fluorination of protected L–dopa with [18F]acetylhypofluorite. Chaly T, et al. **J Nucl Med** 1986 Dec;27(12):1896–901

Mechanism of ionophoric transport of indium–111 cations through a lipid bilayer membrane. Choi HO, et al. **J Nucl Med** 1987 Jan;28(1):91–6

Synthesis and evaluation of fluorine–18 21–fluoroprednisone as a potential ligand for neuro–PET studies. Feliu AL, et al. **J Nucl Med** 1987 Jun;28(6):998–1005

Skeletal localization of samarium–153 chelates: potential therapeutic bone agents. Goeckeler WF, et al. **J Nucl Med** 1987 Apr;28(4):495–504

Comparison of several indium–111 ligands in labeling blood cells: effect of diethylpyrocarbonate and CO2. Goedemans WT, et al. **J Nucl Med** 1987 Jun;28(6):1020–6

Effects of chelates and incubation media on platelet labeling with indium–111. Hill–Zobel RL, et al. **J Nucl Med** 1987 Feb;28(2):223–8

Fluorine–18 labeling of proteins. Kilbourn MR, et al. **J Nucl Med** 1987 Apr;28(4):462–70

Radiation dose calculations in persons receiving injection of samarium–153 EDTMP. Logan KW, et al. **J Nucl Med** 1987 Apr;28(4):505–9

Fluorine–18–N–methylspiroperidol: radiolytic decomposition as a consequence of high specific activity and high dose levels. MacGregor RR, et al. **J Nucl Med** 1987 Jan; 28(1):60–7

Indium–111 platelet kinetics in normal human subjects: tropolone versus oxine methods. Vallabhajosula S, et al. **J Nucl Med** 1986 Nov;27(11):1669–74

Selenium–mercury interaction during intestinal absorption of 75Se compounds in chicks. Mykkänen HM, et al. **J Nutr** 1987 Aug;117(8):1453–8

Radiolabeled hypoxic cell sensitizers: tracers for assessment of ischemia. Mathias CJ, et al. **Life Sci** 1987 Jul 13; 41(2):199–206

Calculations of total activity and relative radiolysis product yields for selected photonuclear reaction target systems used for production of clinically useful, short–lived, positron–emitting radionuclides. Piltingsrud HV, et al. **Med Phys** 1987 May–Jun;14(3):365–76

Selenium–75: a potential source for use in high–activity brachytherapy irradiators. Weeks KJ, et al. **Med Phys** 1986 Sep–Oct;13(5):728–31

Reassurance regarding problems on Pennsylvania Avenue [letter] Klevay LM, et al. **N Engl J Med** 1987 Feb 26; 316(9):553–4

Initial testing and quality control for radionuclide dose calibrators. Committee on Standardization of Nuclear Medicine Instrumentation, American College of Nuclear Physicians. Weber DA, et al. **Nucl Med Commun** 1986 Jul; 7(7):555–65

Labeling of sarcoma associated monoclonal antibody with 111In, 67Ga and 125I. Lavie E, et al. **Radiother Oncol** 1987 Feb;8(2):129–35

On the analysis of multi–component exponential decay curves of radionuclides: a method to identify the order of a compartmental model directly from the tracer data. Conte E, et al. **Rays** 1985 Sep–Dec;10(3):89–97

New approach to clinical evaluation of cancer chemotherapy using positron emission tomography with 18FDG (2–deoxy–2–[18F]fluoro–D–glucose). Takahashi H, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec; 33(1–4):38–43

Effect of cadmium on vitamin D–non–stimulated intestinal calcium absorption in rats. Ando M, et al. **Toxicology** 1987 Jul;45(1):1–11

[The radiation protection and the system administration of the cyclotron–PET unit in Research Institute of Brain and Blood Vessels, Akita] Hachiya T, et al. **Radioisotopes** 1986 Jun;35(6):342–50 **(Jpn)**

[Evaluation of additional absorbed radiation dose from radioactive impurities in radiopharmaceuticals] Muto T. **Radioisotopes** 1986 Jun;35(6):321–4 (Eng. Abstr.) **(Jpn)**

[Accelerator production of radioisotopes and their utilization in fields other than nuclear medicine] Nozaki T. **Radioisotopes** 1987 Apr;36(4):194–203 **(Jpn)**

ADMINISTRATION & DOSAGE

An intravenous radionuclide method for repeated shunt determinations. Miller WC, et al. **Clin Nucl Med** 1987 May; 12(5):368–9

Adherence of radiopharmaceuticals and labeled cells to intravenous tubing. Segall GM, et al. **Clin Nucl Med** 1986 Dec;11(12):830–3

Dosimetric consequences of interstitial extravasation following i.v. administration of a radiopharmaceutical. Shapiro B, et al. **Eur J Nucl Med** 1987;12(10):522–3

High-activity intraluminal 192iridium endocurietherapy for treatment of esophageal cancer. Kumar PP, et al. **Radiat Med** 1986 Apr-Jun;4(2):54-9

[Isotopic synoviortheses in the current status of our knowledge (apropos of 179 cases)] Desproges-Gotteron R, et al. **Bull Acad Natl Med (Paris)** 1986 Dec;170(9):1185-9 (Eng. Abstr.) **(Fre)**

[Conservative treatment of malignant choroid melanoma by scleral applicators of ruthenium-106. First 25 French cases] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):523-6 **(Fre)**

[Curietherapy of palpebral epithelioma with iridium-192. Method and results apropos of 192 cases treated at the Claudius-Regaud Center] de Lafontan B, et al. **J Fr Ophtalmol** 1986;9(6-7):471-9 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of afterloading an Ir-192 source in the treatment of tongue cancer] Horiuchi J, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1435-40 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Safety of 125iodine and 192iridium implants to the canine carotid artery. Long-term results. Fee WE Jr, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):514-8

The radiation dose to an infant following maternal radiopharmaceutical administration [letter] Mountford PJ, et al. **Br J Radiol** 1986 Sep;59(705):957-8

Stable isotopes in clinical research. Keller U, et al. **Bull Schweiz Akad Med Wiss** 1985-86;:53-72

Occupational radiodermatitis from Ir192 exposure. Condé-Salazar L, et al. **Contact Dermatitis** 1986 Oct; 15(4):202-4

The liability of the radiopharmacist and the nuclear physician in the use of radiopharmaceuticals. Coustou F. **Int J Rad Appl Instrum [B]** 1986;13(2):227-30

[Hygienic evaluation of global Kr-85] Vasilenko IIa. **Gig Sanit** 1986 Nov;(11):47-50 (16 ref.) **(Rus)**

[Radiotoxicity of intracellularly incorporated Auger emitters] Ftáčniková S, et al. **Cesk Radiol** 1987 Mar;41(2):84-95 (28 ref.) **(Slo)**

ANALYSIS

Simultaneous measurements of 22Na and 36Cl in aqueous samples: a comparison of three different methods. Rangachari PK, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G436-8

Protein binding studies with radiolabeled compounds containing radiochemical impurities. Equilibrium dialysis versus dialysis rate determination. Honoré B. **Anal Biochem** 1987 Apr;162(1):80-8

Europium-152 depth profile of a stone bridge pillar exposed to the Hiroshima atomic bomb: 152Eu activities for analysis of the neutron spectrum. Hasai H, et al. **Health Phys** 1987 Sep;53(3):227-39

Gamma activity in struverite. Hu SJ, et al. **Health Phys** 1987 Mar;52(3):379-80

An inexpensive and multipurpose calibration phantom for in-vivo measurements of internal contaminants. Maiello ML, et al. **Health Phys** 1986 Dec;51(6):809-11

Partitioning of natural radionuclides in the waste streams of coal-fired utilities. Roeck DR, et al. **Health Phys** 1987 Mar; 52(3):311-23

Concentrations of 210Pb and its states of equilibrium with 238U, 234U and 230Th in U miners' lungs. Singh NP, et al. **Health Phys** 1986 Oct;51(4):501-7

The ultrapurification of indium-111 for radiotracer studies. Zoghbi SS, et al. **Invest Radiol** 1986 Sep;21(9):710-3

Rapid removal of Chernobyl fallout from Mediterranean surface waters by biological activity. Fowler SW, et al. **Nature** 1987 Sep 3-9;329(6134):56-8

Tobacco's radiation: its sources and potential hazards. Rahman SM, et al. **Ohio Med** 1987 Feb;83(2):113-6

The ratio of lead-210 to polonium-210 in U.K. diet. Smith-Briggs JL, et al. **Sci Total Environ** 1986 Oct; 54:127-33

The radiation exposure of black-headed gulls (Larus ridibundus) in the Ravenglass Estuary, Cumbria, U.K.: a preliminary assessment. Woodhead DS. **Sci Total Environ** 1986 Dec 31;58(3):273-81

[Transplacental and milk transfer of 203Pb from mother to fetus and suckling mice] Ding XC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jul; 20(4):199-201 (Eng. Abstr.) **(Chi)**

[Concentration of radionuclides in water samples using a water distiller] Tomilin IuA, et al. **Gig Sanit** 1986 Sep; (9):70-1 **(Rus)**

BLOOD

Serum stability of 67Cu chelates: comparison with 111In and 57Co. Cole WC, et al. **Int J Rad Appl Instrum [B]** 1986; 13(4):363-8

Effects of pH on the stability of the indium-113m blood protein complex and the selective binding of indium-113m to transferrin. Hultkvist U, et al. **Res Exp Med (Berl)** 1987; 187(2):131-7

DIAGNOSTIC USE

Osteomyelitis complicating fracture: pitfalls of 111In leukocyte scintigraphy. Kim EE, et al. **AJR** 1987 May; 148(5):927-30

Indium-111 leukocyte imaging in appendicitis. Navarro DA, et al. **AJR** 1987 Apr;148(4):733-6

Radiation-induced phosphorescence from thulium-activated yttrium tantalate screens. Shearer DR, et al. **AJR** 1987 May;148(5):1023-4

Differentiation of viable and nonviable myocardium after acute reperfusion using serial thallium-201 imaging. Okada RD, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):241-50

Myocardial perfusion changes following 1 year of exercise training assessed by thallium-201 circumferential count profiles. Sebrechts CP, et al. **Am Heart J** 1986 Dec; 112(6):1217-26

Effect of eating on thallium-201 myocardial redistribution after myocardial ischemia. Angello DA, et al. **Am J Cardiol** 1987 Sep 1;60(7):528-33

Exercise thallium testing in ventricular preexcitation. Archer S, et al. **Am J Cardiol** 1987 May 1;59(12):1103-6

Circumferential wall thickness measurements of the human left ventricle: reference data for thallium-201 single-photon emission computed tomography. Clausen M, et al. **Am J Cardiol** 1986 Oct 1;58(9):827-31

Detection of coronary artery disease by thallium imaging using a combined intravenous dipyridamole and isometric handgrip test in patients with aortic valve stenosis. Huikuri HV, et al. **Am J Cardiol** 1987 Feb 1;59(4):336-40

Role of exercise thallium-201 myocardial perfusion scintigraphy in predicting prognosis in suspected coronary artery disease. Koss JH, et al. **Am J Cardiol** 1987 Mar 1; 59(6):531-4

Usefulness of thallium-201 scintigraphy during right ventricular pacing for detecting myocardial ischemia with angiographically normal coronary arteries. Nozawa T, et al. **Am J Cardiol** 1987 May 1;59(12):1222-3

Prevalence of ischemia by quantitative thallium-201 scintigraphy in patients with ventricular tachycardia or fibrillation inducible by programmed stimulation. Sellers TD, et al. **Am J Cardiol** 1987 Apr 1;59(8):828-32

Diagnostic imaging of gynecologic tumors with the monoclonal antibody 791T/36. Powell MC, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):28-34

Serial analysis of renal blood flow by positron tomography with rubidium-82. Tamaki N, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1024-30

Technetium-thallium scintiscanning for localization of parathyroid adenomas and hyperplasia. A reappraisal. Hauty M, et al. **Am J Surg** 1987 May;153(5):479-85

Routine use of the thallium-technetium scan prior to parathyroidectomy. McCall A, et al. **Am Surg** 1987 Jul; 53(7):380-4

An in vivo study of halothane uptake and elimination in the rat brain with fluorine nuclear magnetic resonance spectroscopy. Litt L, et al. **Anesthesiology** 1987 Aug; 67(2):161-8

Thallium 201 muscle scintigraphy: application to the management of patients with arterial occlusive disease. Chevreaud C, et al. **Angiology** 1987 Apr;38(4):309-14

Ectopic thyroid tissue on thallium/technetium parathyroid scan. Asp A, et al. **Arch Intern Med** 1987 Mar;147(3):595-6

Exercise thallium imaging in patients with diabetes mellitus. Prognostic implications. Felsher J, et al. **Arch Intern Med** 1987 Feb;147(2):313-7

Exercise thallium-201 scintigraphy in men with nondiagnostic exercise electrocardiograms. Prognostic implications. Iskandrian AS, et al. **Arch Intern Med** 1986 Nov;146(11):2189-93

Imaging of human colorectal adenocarcinoma with indium-labeled anticarcinoembryonic antigen monoclonal antibody. Duda RB, et al. **Arch Surg** 1986 Nov; 121(11):1315-9

Effect of a selective thromboxane synthase inhibitor on arterial graft patency and platelet deposition in dogs. McDaniel MD, et al. **Arch Surg** 1987 Aug;122(8):887-92

Thallium-201-technetium-99m subtraction scanning: its value in 50 cases of hyperparathyroidism submitted to surgery. Chatterton BE, et al. **Aust NZ J Surg** 1987 May; 57(5):289-94

Unsuitability of the 86Rb+ uptake method for estimation of (Na+ + K+)-ATPase activity in innervated tissues. Powis DA, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):251-8

The acute inflammatory response to myocardial infarction: imaging with indium-111 labelled autologous neutrophils. Bell D, et al. **Br Heart J** 1987 Jan;57(1):23-7

Detection of coronary artery disease by thallium scintigraphy in patients with valvar heart disease [letter] Candell-Riera J, et al. **Br Heart J** 1987 Apr;57(4):393-4

Thallium heart scanning: its value in the management of coronary artery disease. Morris S. **Br J Clin Pract** 1986 May;40(5):203-4

Proceedings of the British Institute of Radiology. Radioisotope labelling of circulating cells—techniques and clinical applications. Abstracts. London, November 22-23, 1984. **Br J Radiol** 1985 Sep;58(693):917-29

Clinical evaluation of anti-alpha-fetoprotein radioimmunodetection. Chapman CE, et al. **Br J Radiol** 1986 Dec;59(708):1175-8

The importance of radiolabelling human granulocytes with 111In-tropolonate or 111In-2-mercaptopyridine-N-oxide in plasma containing acid-citrate-dextrose. Danpure HJ, et al. **Br J Radiol** 1986 Sep;59(705):907-10

Possibilities and pitfalls of indium-111 platelet scintigraphy in the monitoring of renal transplant recipients. Leithner C, et al. **Br J Radiol** 1985 Nov;58(695):1057-63

Indium-111-labelled leucocytes in the diagnosis of abdominal abscess. Goldman M, et al. **Br J Surg** 1987 Mar;74(3):184-6

Indium-111 leucocyte scanning—underused? [editorial] Coakley AJ, et al. **Br Med J [Clin Res]** 1986 Oct 18; 293(6553):973-4

Imaging thrombus with radiolabelled monoclonal antibody to platelets. Peters AM, et al. **Br Med J [Clin Res]** 1986 Dec 13;293(6561):1525-7

Cell kinetics of histologic variants of in situ breast carcinoma. Meyer JS. **Breast Cancer Res Treat** 1986;7(3):171-80

Measurement of right ventricular ejection fraction with krypton-81m in chronic obstructive pulmonary disease. Wolf JE, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec;22(6):539-44

Testis imaging with 111In-labeled anticarcinoembryonic antigen monoclonal antibody: identification of carcinoembryonic antigen in normal germ cells. Beatty BG, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6503-8

Preoperative imaging of colorectal carcinoma with 111In-labeled anticarcinoembryonic antigen monoclonal antibody. Beatty JD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6494-502

Vertical left ventricular angulation assessed by thallium 201 myocardial perfusion imaging in patients with mitral valve prolapse. Arora RR, et al. **Cathet Cardiovasc Diagn** 1986; 12(4):240-5

Abnormal thallium 201 scintigraphy during low-dose vasopressin infusions. Davison R, et al. **Chest** 1986 Dec; 90(6):798-801

Beta blockers and the sensitivity of the thallium treadmill test. Martin GJ, et al. **Chest** 1987 Sep;92(3):486-7

Noninvasive detection of rejection of transplanted hearts with indium-111-labeled lymphocytes. Eisen HJ, et al. **Circulation** 1987 Apr;75(4):868-76

Measurement of infarct size and percentage myocardium infarcted in a dog preparation with single photon-emission computed tomography, thallium-201, and indium 111-monoclonal antimyosin Fab. Johnson LL, et al. **Circulation** 1987 Jul;76(1):181-90

Quantification of myocardial infarct size by thallium-201 single-photon emission computed tomography: experimental validation in the dog. Prigent F, et al. **Circulation** 1986 Oct;74(4):852-61

Indium 111-monoclonal antimyosin antibody imaging in the diagnosis of acute myocarditis. Yasuda T, et al. **Circulation** 1987 Aug;76(2):306-11

Two-dimensional echocardiographic evaluation of ventricular asynergy induced by dipyridamole: correlation with thallium scanning. Ferrara N, et al. **Clin Cardiol** 1986 Sep;9(9):437-42

Ventricular premature beats on Holter monitoring in patients admitted with chest pain, in whom acute myocardial infarction is not confirmed. The prognostic value and relationship to scars or ischemia on thallium-201 scintigraphy. Madsen JK, et al. **Clin Cardiol** 1987 May; 10(5):305-10

Reproducibility of myocardial thallium-201 washout in studies applying a standardized dipyridamole stress protocol. Siostrzonek P, et al. **Clin Cardiol** 1987 May; 10(5):335-40

"Halo" sign on indium-111 leukocyte scan in gangrenous cholecystitis. Bauman JM, et al. **Clin Nucl Med** 1986 Feb; 11(2):136-7

Indium-111 leukocyte imaging. The skeletal photopenic lesion. Brown ML, et al. **Clin Nucl Med** 1986 Sep; 11(9):611-3

Dynamic or early imaging in dual-tracer parathyroid scintigraphy. Greenberg SB, et al. **Clin Nucl Med** 1986 Sep; 11(9):627-8

Detection of benign cardiac fibroma on thallium-201 imaging in an adult. Helmer S, et al. **Clin Nucl Med** 1987 May; 12(5):365-7

Focus of recurrent septicemia due to Klebsiella ozena detected by indium leukocyte scintigraphy. Kennedy JF, et al. **Clin Nucl Med** 1987 Apr;12(4):326-7

Platelet sequestration in widespread pulmonary hemangiolymphangiectasia. Demonstration by indium-111 labeled platelets. Kim SM, et al. **Clin Nucl Med** 1987 Mar; 12(3):215-6

Fetal adenoma of the thyroid. A common source for false-positive thallium-201/technetium-99m pertechnetate subtraction parathyroid scintigraphy. Krubsack AJ. **Clin Nucl Med** 1987 Jul;12(7):539-42

Role of indium-111 chloride imaging in osteoid osteoma. Kumar R, et al. **Clin Nucl Med** 1986 Oct;11(10):721-5

Dual isotope parathyroid imaging. Maslack MM, et al. **Clin Nucl Med** 1986 Sep;11(9):622-6

Thallium-201 and gallium-67 myocardial scintigraphy for the evaluation of sarcoid involvement. Nagatomo Y, et al. **Clin Nucl Med** 1987 Apr;12(4):335-6

Radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy. Orzel JA, et al. **Clin Nucl Med** 1987 Feb;12(2):110-2

Indium-111 chloride imaging with ununited fractures. Sayle BA, et al. **Clin Nucl Med** 1987 Mar;12(3):208-9

Nonvisualization of the liver by indium-111 oxine labeled leukocytes in alcoholic liver disease. Segall GM, et al. **Clin Nucl Med** 1986 Feb;11(2):79-81

Positive Indium-111 leukocyte scintigraphy in vaginitis. Taylor DW Jr, et al. **Clin Nucl Med** 1987 Jun;12(6):477-8

Fungal splenic abscesses in the immunosuppressed patient.

Correlation of imaging modalities. Vasquez TE, et al. **Clin Nucl Med** 1987 Jan;12(1):36–8

Exercise thallium stress testing compared with coronary angiography in patients without exclusions for suboptimal exercise or cardioactive medications. Vincent NR, et al. **Clin Nucl Med** 1986 Oct;11(10):688–91

Submandibular uptake on indium–111 leukocyte scans in children. Williamson SL, et al. **Clin Nucl Med** 1987 Jan; 12(1):27–8

Evaluation of musculoskeletal sepsis with indium–111 white blood cell imaging. Ouzounian TJ, et al. **Clin Orthop** 1987 Aug;(221):304–11

Distributions of an ultra–fine 99Tcm aerosol and 81Krm gas in human lungs compared using a gamma camera. Arnot RN, et al. **Clin Phys Physiol Meas** 1986 Nov;7(4):345–59

The single–passage extraction of 18F in rabbit bone. Wootton R, et al. **Clin Phys Physiol Meas** 1986 Nov;7(4):333–43

Radionuclides in nephrology. **Contrib Nephrol** 1987;56:1–276

Indium–111 white blood cell scan in the diagnosis of infectious complications in patients undergoing regular dialysis treatment. Becker W, et al. **Contrib Nephrol** 1987; 56:191–5

The current status of renal radiopharmaceuticals. A review. Blaufox MD. **Contrib Nephrol** 1987;56:31–7

Parathyroid imaging: comparison of methods in the evaluation of secondary hyperparathyroidism. Cappelli G, et al. **Contrib Nephrol** 1987;56:200–4

Thallium–201 and technetium–99m subtraction scanning of the parathyroid glands in patients with hyperparathyroidism due to renal osteodystrophy. Goggin MJ, et al. **Contrib Nephrol** 1987;56:196–9

Nuclear medicine in urology. An update. O'Reilly PH. **Contrib Nephrol** 1987;56:215–24

Tracer methods and the metabolic disposal of a carbohydrate load in man. Radziuk J. **Diabetes Metab Rev** 1987 Jan; 3(1):231–67

Indium–111–labeled autologous leukocyte imaging and fecal excretion. Comparison with conventional methods of assessment of inflammatory bowel disease. Leddin DJ, et al. **Dig Dis Sci** 1987 Apr;32(4):377–87

Complementary role of thallium–201 scintigraphy to predischarge exercise electrocardiography for patients stratification after a first myocardial infarction. Legrand V, et al. **Eur Heart J** 1986 Aug;7(8):644–53, 726

Right ventricular ejection fraction from equilibrium krypton–81m blood pool scans: a noninvasive predictor of pulmonary arterial hypertension. Nienaber CA, et al. **Eur Heart J** 1987 Mar;8(3):297–307

The role of ambulatory ST–segment monitoring in the diagnosis of coronary artery disease: comparison with exercise testing and thallium scintigraphy. Quyyumi A, et al. **Eur Heart J** 1987 Feb;8(2):124–9

Assessment of radiotherapeutic effects on experimental tumors using 18F–2–fluoro–2–deoxy–D–glucose. Abe Y, et al. **Eur J Nucl Med** 1986;12(7):325–8

Beta–2–adrenoceptor agonists as inhibitors of lung vascular permeability to radiolabelled transferrin in the adult respiratory distress syndrome in man. Basran GS, et al. **Eur J Nucl Med** 1986;12(8):381–4

In–111 Pseudomonas aeruginosa: a simple method of labeling live bacteria with a gamma–emitting radioisotope. Bettin K, et al. **Eur J Nucl Med** 1986;12(5–6):277–9

A comparative distribution study of 111In–labeled DTPA and TTHA monoclonal antibody conjugates in a choriocarcinoma xenograft model. Buckley RG, et al. **Eur J Nucl Med** 1986;12(8):394–6

Diagnostic and prognostic criteria of chronic left ventricular failure obtained during exercise–201Tl imaging. Bureau JF, et al. **Eur J Nucl Med** 1987;12(12):613–6

Non–invasive investigation of lower limb revascularisation using resting thallium peripheral perfusion imaging. Earnshaw JJ, et al. **Eur J Nucl Med** 1986;12(9):443–6

Automated determination of the right ventricular ejection fraction by digital processing of 81mKr scintigrams. Elfner R, et al. **Eur J Nucl Med** 1986;12(5–6):231–5

Comparison of radionuclide angiocardiography and 201–Tl–scintigraphy [letter] Fridrich L, et al. **Eur J Nucl Med** 1986;12(7):363–4

Significance of diffuse cardiac activity on In–111 labeled leucocyte scans. Goodgold HM, et al. **Eur J Nucl Med** 1986;12(5–6):271–3

Thallium–201 washout in coronary artery disease using SPECT—a comparison with coronary angiography. Koskinen M, et al. **Eur J Nucl Med** 1987;12(12):609–12

Detection of ventricular thrombosis in acute myocardial infarction: value of indium–111 platelet scintigraphy in relation to two–dimensional echocardiography and clinical course. Küpper AJ, et al. **Eur J Nucl Med** 1986; 12(7):337–41

Improved tumor localization of 111In labeled monoclonal antibody with chelator administration to host nude mice. Lockshin A, et al. **Eur J Nucl Med** 1987;12(11):573–5

111In–tropolonate labelled platelets; studies in normals and in patients with thrombocytopenia. Louwes H, et al. **Eur J Nucl Med** 1987;13(1):47–51

The detection of coronary artery disease: a comparison of exercise thallium imaging and exercise equilibrium radionuclide ventriculography. McGhie I, et al. **Eur J Nucl Med** 1987;13(1):18–23

Evaluation of 75Br–labelled butyrophenone neuroleptics for imaging cerebral dopaminergic receptor areas using positron emission tomography. Moerlein SM, et al. **Eur J Nucl Med** 1986;12(4):211–6

Kinetics of indium–oxine labelled red cells in haemolytic anaemias. Najean Y, et al. **Eur J Nucl Med** 1986; 12(8):379–80

Quantitative assessment of thallium myocardial washout rate: importance of peak heart rate and lung thallium uptake in defining normal values. Nishimura T, et al. **Eur J Nucl Med** 1987;13(2):67–71

Relationship between tumour size and uptake of radiolabelled anti–CEA in a colon tumour xenograft. Pedley RB, et al. **Eur J Nucl Med** 1987;13(4):197–202

A rapid method for the evaluation of diagnostic radioaerosol delivery systems. Phipps P, et al. **Eur J Nucl Med** 1987; 13(4):183–6

Diverse characteristics of 111In labelled anti–CEA monoclonal antibodies for tumour immunoscintigraphy: radiolabelling, biodistribution and imaging studies in mice with human tumour xenografts. Pimm MV, et al. **Eur J Nucl Med** 1987;12(10):515–21

The utilization of Tc–99m–TBI as a myocardial perfusion agent in exercise studies: comparison with Tl–201 thallous chloride and examination of its biodistribution in humans. Sia ST, et al. **Eur J Nucl Med** 1986;12(7):333–6

Indium–111 leukocyte accumulation in intramuscular injection sites. Swayne LC, et al. **Eur J Nucl Med** 1986; 12(5–6):302–3

Association of parathyroid adenoma and autonomous nodule of the thyroid. Diagnostic efficacy of 201thallium–99mtechnetium scintigraphy. Talbot JN, et al. **Eur J Nucl Med** 1986;12(5–6):304–5

The use of a computer in ventilation–perfusion scintigraphy with Tc–99m macroaggregates and Kr–81m, to obtain a physiological model. Teertstra HJ, et al. **Eur J Nucl Med** 1987;13(1):24–7

The clinical value of 201Tl per rectum scintigraphy in the work–up of patients with alcoholic liver disease. Urbain D, et al. **Eur J Nucl Med** 1986;12(5–6):267–70

Synthesis and tumour–localizing properties of [18F]–5–fluorocytosine–arabinoside and [18F]–5–fluorocyclocytidine. Visser GW, et al. **Eur J Nucl Med** 1986;12(3):137–40

Specific perfusion pattern in stress 201Tl myocardial scintigraphy of left main coronary artery disease. Wakasugi S, et al. **Eur J Nucl Med** 1986;12(8):369–74

Imaging and assessment of regional clearances of indium–111 labelled circulating immune complexes in humans. Wirquin E, et al. **Eur J Nucl Med** 1986;12(5–6):274–6

Tracers for aerosol ventilation scintigraphy: Tc–99m versus In–113m. Wollmer P, et al. **Eur J Nucl Med** 1987; 13(3):155–8

Dynamic isotopic phlebography using soluble krypton–81m. Zicot M, et al. **Eur J Nucl Med** 1986;12(4):192–6

Faecal alpha–1–antitrypsin and excretion of 111indium granulocytes in assessment of disease activity in chronic inflammatory bowel diseases. Fischbach W, et al. **Gut** 1987 Apr;28(4):386–93

Use of indium–111–labeled OC–125 monoclonal antibody in the detection of ovarian cancer. Hunter RE, et al. **Gynecol Oncol** 1987 Jul;27(3):325–39

111Indium–tropolone labeled human PMNs: a rapid method of preparation and evaluation of labeling parameters. Bandyopadhyay D, et al. **Inflammation** 1987 Mar; 11(1):13–22

Determination of time constants in kinetic studies involving radiolabeled tracer molecules. Jones ME, et al. **Int J Biomed Comput** 1986 Nov;19(3–4):235–47

Quantitative analysis of thallium–201 uptake and washout before and after transluminal coronary angioplasty. Verani MS, et al. **Int J Cardiol** 1986 Nov;13(2):109–24

The strontium–82/rubidium–82 generator. **Int J Rad Appl Instrum [A]** 1987;38(3):171–239

The 17th Japan Conference on Radiation and Radioisotopes. September 2–4, 1985, Sankei Kaikan, Tokyo. Abstracts. **Int J Rad Appl Instrum [A]** 1986;37(1):65–98

Proceedings of the International Symposium on Radiohalogens. Banff, Alberta, Canada, 10–11 September 1985. **Int J Rad Appl Instrum [A]** 1986;37(8):803–921

Radiopharmaceuticals labelled with halogen isotopes. **Int J Rad Appl Instrum [A]** 1986;37(8):645–921

Preparation and evaluation of a hydrous tin(IV) oxide 82Sr/82Rb medical generator system for continuous elution. Brihaye C, et al. **Int J Rad Appl Instrum [A]** 1987; 38(3):213–7

Model for 82Sr/82Rb generator elution profiles: a secondary approach to radioassay/dosimetry. Dhawan V. **Int J Rad Appl Instrum [A]** 1987;38(3):233–9

Radioanalysis of 82Rb generator eluates. Gennaro GP, et al. **Int J Rad Appl Instrum [A]** 1987;38(3):219–25

The preparation of high specific activity copper–64 for medical diagnosis. Hetherington EL, et al. **Int J Rad Appl Instrum [A]** 1986;37(12):1242–3

Synthesis and biodistribution of 18F–labeled fluoronitroimidazoles: potential in vivo markers of hypoxic tissue. Jerabek PA, et al. **Int J Rad Appl Instrum [A]** 1986; 37(7):599–605

Clinical uses of 82Sr/82Rb generators. Jones T. **Int J Rad Appl Instrum [A]** 1987;38(3):171–3

A partial decay scheme study of 82Rb and consequences for radiation dose measurements. Judge SM, et al. **Int J Rad Appl Instrum [A]** 1987;38(3):185–90

Experience with a 82Sr/82Rb generator for clinical use. Kensett MJ, et al. **Int J Rad Appl Instrum [A]** 1987; 38(3):227–31

Essentials of a rubidium–82 generator for nuclear medicine. Yano Y. **Int J Rad Appl Instrum [A]** 1987;38(3):205–11

Second International ACOMEN Conference on Radiopharmaceuticals. Biarritz, France, 2–4 June 1986. **Int J Rad Appl Instrum [B]** 1986;13(2):81–230

Radiolabeled monoclonal antibodies. Chemical, diagnostic and therapeutic investigations. **Int J Rad Appl Instrum [B]** 1986;13(4):303–495

Site–specifically modified 111In labelled antibodies give low liver backgrounds and improved radioimmunoscintigraphy. Alvarez VL, et al. **Int J Rad Appl Instrum [B]** 1986; 13(4):347–52

Distribution of 46Sc and 51Cr in tumor–bearing animals and the mechanism for accumulation in tumor and liver. Ando A, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):143–51

Receptors labeled with gamma–emitting radiotracers. Eckelman WC. **Int J Rad Appl Instrum [B]** 1986; 13(2):135–9 (34 ref.)

Comparison of 99mTc and 111In labeling of conjugated antibodies. Eckelman WC, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):335–43

Potential application of labeled antibodies for thrombus detection. Ezekowitz MD, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):407–11

A potential copper radiopharmaceutical for imaging the heart and brain: copper–labeled pyruvaldehyde bis(N4–methylthiosemicarbazone). Green MA. **Int J Rad Appl Instrum [B]** 1987;14(1):59–61

The advantages and limits of indium–111 labeling of antibodies. Experimental studies and clinical applications. Halpern SE. **Int J Rad Appl Instrum [B]** 1986;13(2):195–201

Radioimmunodetection of human tumor xenografts by monoclonal antibody F(ab')2 fragments. Herlyn D, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):401–5

High performance liquid chromatography in studies of radiolabeled antibodies. Hnatowich DJ. **Int J Rad Appl Instrum [B]** 1986;13(4):373–7

Label stability in serum of four radionuclides on DTPA–coupled antibodies—an evaluation. Hnatowich DJ. **Int J Rad Appl Instrum [B]** 1986;13(4):353–8

Preparation of 111In leukocytes after hemolytic removal of erythrocytes. Karesh SM, et al. **Int J Rad Appl Instrum [B]** 1987;14(1):79–80

Simultaneous estimation of liquid and solid gastric emptying using radiolabelled egg and water in supine normal subjects. Kris MG, et al. **Int J Rad Appl Instrum [B]** 1986; 13(6):629–31

A tentative biological model for the localization of radiolabelled antibody in tumor: the importance of immunoreactivity. Larson SM. **Int J Rad Appl Instrum [B]** 1986;13(4):393–9

Comparison of two methods of labeling proteins with 111In. Najafi A, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):345–6

The choice of tracers for platelet kinetic and scintigraphic studies. Najean Y. **Int J Rad Appl Instrum [B]** 1986; 13(2):159–64

Comparative studies using 125I– and 111In–labeled monoclonal antibodies. Otsuka FL, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):325–34

Improved immunoscintigraphy by subcutaneous injection of 99mTc or 111In labelled F(ab')2 fragments of an anti–melanoma monoclonal antibody. Paganelli G, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):423–8

Scintigraphy with [18F]2–fluoro–2–deoxy–D–glucose of cancer patients. Paul R, et al. **Int J Rad Appl Instrum [B]** 1986;13(1):7–12

Radiolabeling of monoclonal antibodies. Saccavini JC, et al. **Int J Rad Appl Instrum [B]** 1986;13(2):191–4

The synthesis of non–steroidal estrogen receptor binding compounds labeled with 80mBr. Seevers RH, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):483–95

No–carrier–added (NCA) (+/–)–N–(3–[18F]fluoropropyl)–N–normetazocine–synthesis and PET studies in a baboon. Shiue CY, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):119–22

A look at radiolabeled blood cells. Thakur ML. **Int J Rad Appl Instrum [B]** 1986;13(2):147–58 (66 ref.)

The French procedure for granting new drug approval for radiopharmaceuticals. Verain A. **Int J Rad Appl Instrum [B]** 1986;13(2):215–20

Criteria for the selection of the most desirable radionuclide for radiolabeling monoclonal antibodies. Wolf W, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):319–24

Positron emission tomography using [18F] fluorodeoxyglucose in brain tumors. A powerful diagnostic and prognostic tool. Di Chiro G. **Invest Radiol** 1987 May; 22(5):360–71

Hepatobiliary magnetic resonance contrast agents assessed by gadolinium–153 scintigraphy. Engelstad BL, et al. **Invest Radiol** 1987 Mar;22(3):232–8

Paramagnetic complexes of manganese(II), iron(III), and gadolinium(III) as contrast agents for magnetic resonance imaging. The influence of stability constants on the biodistribution of radioactive aminopolycarboxylate complexes. Fornasiero D, et al. **Invest Radiol** 1987 Apr; 22(4):322–7

Coumadin and 111In–labeled platelet uptake on experimental thrombi in dogs. Preliminary observations. Sostman HD, et al. **Invest Radiol** 1987 Mar;22(3):216–22

Preparation and immunoreactivity of high specific activity indium–111–DTPA labeled monoclonal antibody (MoAb)

using ultrapure indium-111. Zoghbi SS, et al. **Invest Radiol** 1986 Oct;21(10):788–92

Location of parathyroid adenomas by thallium-201 and technetium-99m subtraction scanning. O'Brien AA, et al. **Ir J Med Sci** 1986 Sep;155(9):317–9

Arm exercise-thallium imaging testing for the detection of coronary artery disease. Balady GJ, et al. **J Am Coll Cardiol** 1987 Jan;9(1):84–8

Myocardial thallium-201 kinetics and regional flow alterations with 3 hours of coronary occlusion and either rapid reperfusion through a totally patent vessel or slow reperfusion through a critical stenosis. Granato JE, et al. **J Am Coll Cardiol** 1987 Jan;9(1):109–18

Relative prognostic value of rest thallium-201 imaging, radionuclide ventriculography and 24 hour ambulatory electrocardiographic monitoring after acute myocardial infarction. Hakki AH, et al. **J Am Coll Cardiol** 1987 Jul; 10(1):25–32

Intracoronary thallium-201 scintigraphy after thrombolytic therapy for acute myocardial infarction compared with 10 and 100 day intravenous thallium-201 scintigraphy. Heller GV, et al. **J Am Coll Cardiol** 1987 Feb;9(2):300–7

Quantitative analysis of dipyridamole-thallium images for the detection of coronary artery disease. Ruddy TD, et al. **J Am Coll Cardiol** 1987 Jul;10(1):142–9

Indium-111 platelet scintigraphy and two-dimensional echocardiography for detection of left ventricular thrombus: influence of clot size and age. Seabold JE, et al. **J Am Coll Cardiol** 1987 May;9(5):1057–66

Indium-111-labeled leukocytes in the detection of abscesses. Tryciecky EW. **J Am Osteopath Assoc** 1987 Jun; 87(6):413–9

Problems associated with radioimmunodetection and possibilities for future solutions. Halpern SE, et al. **J Biol Response Mod** 1987 Jun;6(3):235–62 (37 ref.)

Regional cerebral blood flow and focal cortical perfusion: a comparative study of 133Xe, 85Kr, and umbelliferone as diffusible indicators. Anderson RE, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):207–13

Scintigraphic detection of metastatic melanoma using indium 111/DTPA conjugated anti-gp240 antibody (ZME-018). Kirkwood JM, et al. **J Clin Oncol** 1987 Aug;5(8):1247–55

Electrocardiographic diagnosis of posterior myocardial infarction revisited: a new approach using a multivariate discriminant analysis and thallium-201 myocardial scintigraphy. Nestico PF, et al. **J Electrocardiol** 1986 Jan; 19(1):33–40

Improved delineation of human dopamine receptors using [18F]-N-methylspiroperidol and PET. Arnett CD, et al. **J Nucl Med** 1986 Dec;27(12):1878–82

Subclavian vein obstruction demonstrated with thallium-201 [letter] Belzberg A, et al. **J Nucl Med** 1987 Feb;28(2):254

Accumulation of indium-111-labeled neutrophils and gallium-67 citrate in rabbit abscesses. Bitar RA, et al. **J Nucl Med** 1986 Dec;27(12):1883–9

Fast washout of thallium-201 from area of myocardial infarction: possible artifact of background subtraction. Brown KA, et al. **J Nucl Med** 1987 Jun;28(6):945–9

Indium-111 T101 monoclonal antibody is superior to iodine-131 T101 in imaging of cutaneous T-cell lymphoma. Carrasquillo JA, et al. **J Nucl Med** 1987 Mar;28(3):281–7

Effect of antibiotic therapy on the sensitivity of indium-111-labeled leukocyte scans. Datz FL, et al. **J Nucl Med** 1986 Dec;27(12):1849–53

Use of cross-correlation function to detect patient motion during SPECT imaging. Eisner RL, et al. **J Nucl Med** 1987 Jan;28(1):97–101

NRC simplifies regulations for medical use of byproduct material (10 CFR Part 35) [news] Frohman JE. **J Nucl Med** 1987 Feb;28(2):151–3

Thallium-201 imaging of auto-transplanted parathyroid glands [letter] Goldfarb CR, et al. **J Nucl Med** 1987 Jul; 28(7):1230–1

Positron imaging of myocardial infarction with rubidium-82. Goldstein RA, et al. **J Nucl Med** 1986 Dec;27(12):1824–9

Role of thallium-201 total-body scintigraphy in follow-up of thyroid carcinoma. Hoefnagel CA, et al. **J Nucl Med** 1986 Dec;27(12):1854–7

Comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection. Intenzo CM, et al. **J Nucl Med** 1987 Apr;28(4):438–41

Thallium-201 brain tumor imaging: a comparative study with pathologic correlation. Kaplan WD, et al. **J Nucl Med** 1987 Jan;28(1):47–52

Immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody. Keenan AM, et al. **J Nucl Med** 1987 Jan;28(1):42–6

Myocardial damage delineated by indium-111 antimyosin Fab and technetium-99m pyrophosphate. Khaw BA, et al. **J Nucl Med** 1987 Jan;28(1):76–82

Autoradiographic comparison of thallium-201 diethyldithiocarbamate, isopropyliodoamphetamine and iodoantipyrine as cerebral blood flow tracers. Lear JL, et al. **J Nucl Med** 1987 Apr;28(4):481–6

Thallium washout analysis: fact or fiction? [editorial] Leppo J. **J Nucl Med** 1987 Jun;28(6):1058–60

Indium-111 chloride imaging of infected prostheses [letter] Lichtenstein M. **J Nucl Med** 1987 Feb;28(2):255

Hodgkin's disease with hypercalcemia detected by thallium-201 scintigraphy. Linde R, et al. **J Nucl Med** 1987 Jan;28(1):112–5

Indium-111 leukocyte scintigraphy in Wegener's granulomatosis involving the spleen. Morayati SJ, et al. **J Nucl Med** 1986 Dec;27(12):1864–6

SPECT thallium-201 scintigraphy for the detection of left-ventricular aneurysm. Morton KA, et al. **J Nucl Med** 1987 Feb;28(2):168–72

Skeletal muscle blood flow in vivo: detection with rubidium-82 and effects of glucose, insulin, and exercise. Mossberg KA, et al. **J Nucl Med** 1987 Jul;28(7):1155–63

Clinical parameters related to optimal tumor localization of indium-111-labeled mouse antimelanoma monoclonal antibody ZME-018. Murray JL, et al. **J Nucl Med** 1987 Jan;28(1):25–33

Estimation of left ventricular mass in normal and infarcted canine hearts using thallium-201 SPECT. Narahara KA, et al. **J Nucl Med** 1987 Aug;28(8):1315–21

Visualization of right atrial thrombus associated with constrictive pericarditis by indium-111 oxine platelet imaging. Nishimura T, et al. **J Nucl Med** 1987 Aug; 28(8):1344–7

Comparison of fluorine-18-2-fluorodeoxyglucose and gallium-67 citrate imaging for detection of lymphoma. Paul R. **J Nucl Med** 1987 Mar;28(3):288–92

Comparative methods for quantifying myocardial infarct size by thallium-201 SPECT. Prigent F, et al. **J Nucl Med** 1987 Mar;28(3):325–33

Sex-specific criteria for interpretation of thallium-201 myocardial uptake and washout studies. Rabinovitch M, et al. **J Nucl Med** 1986 Dec;27(12):1837–41

Clinical comparison of indium-111 acetylacetone and indium-111 tropolone granulocytes. Schauwecker DS, et al. **J Nucl Med** 1986 Nov;27(11):1675–9

Use of short- and long-lived rubidium tracers for the study of transient ischemia. Shea MJ, et al. **J Nucl Med** 1987 Jun;28(6):989–97

Toxicity of indium-111 on lymphocytes [letter] Signore A, et al. **J Nucl Med** 1987 Aug;28(8):1365

Detection of melanomas in vivo with indium-111 monoclonal antibody [letter] Spencer RP. **J Nucl Med** 1987 Jun; 28(6):1063–4

Investigators review potential of antibodies in cancer detection and therapy [news] Srivastava SC. **J Nucl Med** 1987 Feb;28(2):143–7

Prediction of death, myocardial infarction, and worsening chest pain using thallium scintigraphy and exercise electrocardiography. Staniloff HM, et al. **J Nucl Med** 1986 Dec;27(12):1842–8

Diagnostic significance of indium-111 granulocyte scintigraphy in febrile patients. Syrjälä MT, et al. **J Nucl Med** 1987 Feb;28(2):155–60

Cerebral blood flow imaging with thallium-201 diethyldithiocarbamate SPECT. van Royen EA, et al. **J Nucl Med** 1987 Feb;28(2):178–83

Indium-111 autologous platelets in the detection of experimental pulmonary emboli. Effect of heparin and aged platelets. Cella G, et al. **J Nucl Med Allied Sci** 1986 Apr-Sep;30(2-3):133–40

An improved method for the sterile preparation of indium-111-labeled platelets. Cella G, et al. **J Nucl Med Allied Sci** 1986 Apr-Sep;30(2-3):129–32

Single plasma sample technique of glomerular filtration rate measurement. Summerville DA, et al. **J Nucl Med Allied Sci** 1986 Oct-Dec;30(4):177–84

Indium-111 leukocyte scintigraphic detection of subclinical osteomyelitis complicating delayed and nonunion long bone fractures: a prospective study. Esterhai JL Jr, et al. **J Orthop Res** 1987;5(1):1–6

Potential of indium-111 to measure inflammatory arthritis. De Sousa M, et al. **J Rheumatol** 1986 Dec;13(6):1108–16

Radioimmunological imaging of metastatic prostatic cancer with 111indium-labeled monoclonal antibody PAY 276. Babaian RJ, et al. **J Urol** 1987 Mar;137(3):439–43

Dipyridamole thallium 201 scintigraphy to detect coronary artery disease before abdominal aortic surgery. Cutler BS, et al. **J Vasc Surg** 1987 Jan;5(1):91–100

Indium 111-labeled platelet deposition in woven and knitted Dacron bifurcated aortic grafts with the same patient as a clinical model. Robicsek F, et al. **J Vasc Surg** 1987 Jun; 5(6):833–7

Dipyridamole-thallium scanning in patients undergoing vascular surgery. Optimizing preoperative evaluation of cardiac risk. Eagle KA, et al. **JAMA** 1987 Apr 24; 257(16):2185–9

A clinicopathologic correlation study of thallium-201 myocardial scintigraphy in diagnosis of myocardial infarction. Chida K, et al. **Jpn Heart J** 1987 May; 28(3):307–21

Parathyroid imaging: comparison of 201Tl-99mTc subtraction scintigraphy, computed tomography and ultrasonography. Kobayashi S, et al. **Jpn J Surg** 1987 Jan; 17(1):9–13

Scintiscanning demonstration of thymoma: comparative study on scintiscans using 201Tl, 67Ga and 75Se. Yuzuriha H, et al. **Jpn J Surg** 1986 Jul;16(4):250–6

Indium-111-labelled granulocyte accumulation in respiratory tract of patients with bronchiectasis. Currie DC, et al. **Lancet** 1987 Jun 13;1(8546):1335–9

The relationship of dyspnea on exertion to stress-induced thallium-201 lung uptake. Graf JH, et al. **Mt Sinai J Med (NY)** 1987 May;54(4):324–9

Evaluation of skeletal muscle with thallium-201 scintigraphy in myotonic muscular dystrophy: a case report. Yamamoto S. **Nagoya J Med Sci** 1987 Mar;49(1-4):17–20

Radiolabeled antibody: iodine versus radiometal chelates. Anderson WT, et al. **NCI Monogr** 1987;(3):149–51

Preparation and properties of antitumor monoclonal antibodies labeled with metallic radionuclides indium-111, gallium-67, and technetium-99m. Endo K, et al. **NCI Monogr** 1987;(3):135–40

Uptake of indium-111-labeled leukocytes by brain metastasis. Balachandran S, et al. **Neurosurgery** 1987 Apr;20(4):606–9

Towards an ideal agent for cardiac imaging [editorial] Britton KE. **Nucl Med Commun** 1987 Feb;8(2):63–5

Monoclonal antibody hapten radiopharmaceutical delivery. Goodwin DA, et al. **Nucl Med Commun** 1986 Aug; 7(8):569–80

Effectiveness of oblique section display in thallium-201 myocardial tomography. O'Brien AR, et al. **Nucl Med Commun** 1986 Aug;7(8):609–16

Ultrastructure of human platelets following indium-111 labeling in plasma. Thakur ML, et al. **Nucl Med Commun** 1987 Feb;8(2):69–78

201Tl per-rectal scintigraphy in primary hepatocellular carcinoma. Tonami N, et al. **Nucl Med Commun** 1985 Jun; 6(6):327–39

Limitations in localising and killing tumours using radiolabelled antibodies. Bradwell AR, et al. **Nuklearmedizin** 1986 Dec;25(6):245–8

Comparison of quantification methods of 111In-labelled platelet deposition in peripheral bypass grafts. Mortelmans L, et al. **Nuklearmedizin** 1987 Apr;26(2):87–92

201Tl/67Ga uptake ratio in small cell carcinoma of the lung: with special reference to serum neuron-specific enolase and prognosis. Togawa T, et al. **Oncology** 1987;44(4):228–31

Detection of musculoskeletal infection with the indium-III leukocyte scan. Prchal CL, et al. **Orthopedics** 1987 Sep; 10(9):1253–7

Limitations in the use of indium-111-oxine-labeled leucocytes for the diagnosis of occult infection in children. Haentjens M, et al. **Pediatr Radiol** 1987;17(2):139–42

Artefact reduction in dual-radionuclide subtraction studies. Hutton BF, et al. **Phys Med Biol** 1987 Apr;32(4):477–93

The optimum technique for 201T1 tomography of myocardium: an investigation using phantoms. Laird EE, et al. **Phys Med Biol** 1987 Aug;32(8):985–99

Factor analysis of dynamic function studies using a priori physiological information. Nijran KS, et al. **Phys Med Biol** 1986 Oct;31(10):1107–17

Effects of captopril on myocardial perfusion in patients with coronary insufficiency: evaluation by the exercise test and quantitative myocardial tomoscintigraphy using thallium-201. Tardieu A, et al. **Postgrad Med J** 1986;62 Suppl 1:38–41

Sensitivity, specificity, and prognostic significance of noninvasive testing for occult or known coronary disease. Beller GA, et al. **Prog Cardiovasc Dis** 1987 Jan-Feb; 29(4):241–70 (192 ref.)

Colorectal carcinoma: detection with indium-111 anticarcinoembryonic-antigen monoclonal antibody ZCE-025. Abdel-Nabi HH, et al. **Radiology** 1987 Sep; 164(3):617–21

Indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms [letter] Bauman JM, et al. **Radiology** 1986 Nov;161(2):570

Phase 1 immunolymphoscintigraphy with an In-111-labeled antimelanoma monoclonal antibody. Engelstad BL, et al. **Radiology** 1986 Nov;161(2):419–22

Supine versus upright anterior images: comparison in T1-201 myocardial scintigraphy. Jacobson AF, et al. **Radiology** 1987 Jun;163(3):691–5

Infection in diabetic osteoarthropathy: use of indium-labeled leukocytes for diagnosis. Maurer AH, et al. **Radiology** 1986 Oct;161(1):221–5

Renal scintigraphy using indium-III oxine-labeled autologous leukocytes in renal transplant recipients. Amendolagine F, et al. **Rays** 1986 Jan-Apr;11(1):107–11

The degree of time asymmetry: on a new parameter of biological matter for estimation by radioisotope techniques and use in nuclear medicine. Conte E, et al. **Rays** 1985 May-Aug;10(2):91–5

Evidence that 111In-labelled platelets pool in the spleen, but not in the liver of normal humans and baboons. Kotzé HF, et al. **Scand J Haematol** 1986 Sep;37(3):259–64

A simple method of granulocyte enrichment of crude white cell suspensions labelled with 111In. Schmidt KG, et al. **Scand J Haematol** 1986 Aug;37(2):144–50

A general comparison of functional imaging in nuclear medicine with other modalities. Adam WE. **Semin Nucl Med** 1987 Jan;17(1):3–17 (58 ref.)

Current status and prospects of new radionuclides and radiopharmaceuticals for cardiovascular nuclear medicine. Schelbert HR. **Semin Nucl Med** 1987 Apr;17(2):145–81 (211 ref.)

Thallium 201/99mTc parathyroid subtraction scintigraphy of the neck: single area of increased thallium uptake. Winzelberg GG. **Semin Nucl Med** 1987 Jul;17(3):273–5

Thallium 201/99mTc parathyroid subtraction scintigraphy of the mediastinum. Winzelberg GG. **Semin Nucl Med** 1987 Jul;17(3):278–9

Thallium 201/99mTc parathyroid subtraction scintigraphy of the neck: multiple areas of increased thallium uptake. Winzelberg GG. **Semin Nucl Med** 1987 Jul;17(3):276–7

Thallium-201 myocardial stress imaging: a study of its value

in the diagnosis of coronary artery disease and the location of diseased vessel. Lam LK, et al. **Singapore Med J** 1987 Feb;28(1):6–12

Preoperative localization of lesions of the parathyroid gland using thallium–technetium scintiscanning. Kim DY, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):212–6

Parathyroid autotransplantation in forty-four patients with primary hyperparathyroidism: the role of thallium scanning. McCall AR, et al. **Surgery** 1986 Oct; 100(4):614–20

Radiolabeled red cell viability. II. 99mTc and 111In for measuring the viability of heterologous red cells in vivo. Marcus CS, et al. **Transfusion** 1987 Sep–Oct;27(5):420–4

Radiolabeled red cell viability. I. Comparison of 51Cr, 99mTc, and 111In for measuring the viability of autologous stored red cells. Marcus CS, et al. **Transfusion** 1987 Sep–Oct;27(5):415–9

Radiolabeled platelet survival studies [letter] Read EJ, et al. **Transfusion** 1986 Sep–Oct;26(5):490–1

Detection of acute allograft rejection by indium–111 labeled platelet scintigraphy in renal transplant patients. Desir G, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1677–80

The splenic microenvironment and self recognition as factors in allograft rejection in rats. A study using indium–111–labeled cells. Pollak R, et al. **Transplantation** 1986 Nov;42(5):528–31

Comparison between 131I and 111In as radiolabels for monoclonal antibodies in immunoscintigraphy of tumor bearing nude mice. Thedrez P, et al. **Tumour Biol** 1986; 7(2–3):137–45

Thallium 201 perfusion imaging after the treatment of unstable angina pectoris—relationship to clinical outcome. Hillert MC Jr, et al. **West J Med** 1986 Sep;145(3):335–40

Indium–111 leukocyte scan in the diagnosis of inflammatory bowel disease. Diba AA. **Wis Med J** 1986 Oct;85(10):31–2

Strategies to radiolabel interleukin 1 and 2. Panuska JR. **Year Immunol** 1986;2:97–105

[A correlative study of thallium–201 myocardial imaging, electrocardiography and coronary arteriography in 50 patients with coronary heart disease] Kou WR, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1987 Apr; 15(2):89–91, 127 (Eng. Abstr.) **(Chi)**

[Glomerular filtration measured by plasma clearance of 169Yb–DTPA in kidney recipients. Comparison with the clearance of inulin, polyfructosan S and creatinine] Stříbrná J, et al. **Cas Lek Cesk** 1986 Aug 22;125(34):1070–2 (Eng. Abstr.) **(Cze)**

[Comparison of 85Sr–microspheres, 86Rb and 125I–antipyrine as indicators of regional blood flow in laboratory rats] Kapitola J, et al. **Cesk Fysiol** 1986; 35(6):509–13 **(Cze)**

[Thallium 201 myocardial scintigraphy following dipyridamole infusion] Laarman GJ, et al. **Ned Tijdschr Geneeskd** 1986 Oct 25;130(43):1941–4 (Eng. Abstr.) **(Dut)**

[Thallium scintigraphy. Its usefulness in the follow-up of alcoholic cirrhosis] Urbain D, et al. **Acta Gastroenterol Belg** 1986 Sep–Oct;49(5):507–11 (Eng. Abstr.) **(Fre)**

[Thallium–201 scintigraphy of the myocardium during exertion in the indication for aortocoronary bypass of an area in the myocardium, the site of an infarct] Ebine K, et al. **Ann Cardiol Angeiol (Paris)** 1987 Apr;36(4):183–9 (Eng. Abstr.) **(Fre)**

[Detection of thyroid cancer : utopia or reality? Or the value of thallium 201 in thyroid pathology] Hermans J, et al. **Ann Endocrinol (Paris)** 1986;47(6):409–14 (Eng. Abstr.) **(Fre)**

[Evaluation of aortocoronary bypass using exercise myocardial thallium 201 scintigraphy] Le Helloco A, et al. **Arch Mal Coeur** 1986 Aug;79(9):1301–10 (Eng. Abstr.) **(Fre)**

[Diagnostic value of thallium 201 scintigraphy in the determination of malignancy of cold thyroid nodules] Eeckhoudt L, et al. **Bull Cancer (Paris)** 1987;74(1):88–94 (Eng. Abstr.) **(Fre)**

[Detection of left intraventricular thromboses. Comparison of 2–dimensional ultrasonics with scanography and scintigraphy with indium 111–labeled platelets] Sarrat P, et al. **J Radiol** 1986 Jun–Jul;67(6–7):479–85 (Eng. Abstr.) **(Fre)**

[Contribution of indium–111 labelled polynuclear scintigraphy in the exploration of articular and bone infections] Martin A, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1359–62 (Eng. Abstr.) **(Fre)**

[Value of isotope labeling of platelets in tests for thromboembolic pathology] Rigo P. **Rev Med Liege** 1987 May 15;42(10):489–92 (25 ref.) **(Fre)**

[Basic principles of the measurement and effect of radioactivity] Kirchhoff K. **DTW** 1987 Jun 9;94(6):351–4 (Eng. Abstr.) **(Ger)**

[Production of radioactive aerosols] Schümichen C. **Nuklearmedizin** 1986 Aug;25(4):147–52 (19 ref.) **(Ger)**

[Effective equivalent dose and radiation risk in nuclear medical diagnosis—an estimation based on patients at the Nuclear Medical Clinic of the Carl Gustav Carus Medical Academy, Dresden] Woller P, et al. **Radiobiol Radiother (Berl)** 1986;27(4):393–400 (Eng. Abstr.) **(Ger)**

[Evaluation of materials and technics in vascular surgery using 111–Indium] Rossi M, et al. **Chir Ital** 1986 Aug; 38(4):375–80 (Eng. Abstr.) **(Ita)**

[Dipyridamole test and myocardial scintigraphy with Tl–201 in the diagnosis of myocardial ischemic pathology] Caputo V, et al. **Radiol Med (Torino)** 1987 May;73(5):390–3 (Eng. Abstr.) **(Ita)**

[Left ventricular diverticulum with marked hypertrophy of the left ventricular apex revealed by thallium–201 myocardial emission CT: a case report] Kida M, et al. **J Cardiogr** 1985 Dec;15(4):1263–74 (Eng. Abstr.) **(Jpn)**

[Reverse redistribution in dipyridamole–loading thallium–201 images using single photon emission computed tomography] Mori K, et al. **J Cardiogr** 1986 Jun; 16(2):309–18 (Eng. Abstr.) **(Jpn)**

[201T1 computed tomography using dipyridamole for assessing dilated cardiomyopathy] Shiotani H, et al. **J Cardiogr** 1985 Dec;15(4):1049–56 (Eng. Abstr.) **(Jpn)**

[Cardiac inotropic reserve examined by postextrasystolic potentiation and redistribution of exercise thallium–201 scintigraphy] Sugihara H, et al. **J Cardiogr** 1986 Mar; 16(1):63–71 (Eng. Abstr.) **(Jpn)**

[Myocardial involvement in muscular dystrophy evaluated by thallium–201 emission computed tomography] Yamamoto S, et al. **J Cardiogr** 1986 Jun;16(2):373–85 (Eng. Abstr.) **(Jpn)**

[Coronary artery disease detected noninvasively by dipyridamole–loading 201T1 myocardial scintigraphy in elderly patients] Yonezawa Y, et al. **J Cardiogr** 1986 Mar; 16(1):43–51 (Eng. Abstr.) **(Jpn)**

[The 26th congress of the Japanese Society of Nuclear Medicine. Kamogawa–shi, Chiba Prefecture, November 19–21, 1986. Abstracts] **Kaku Igaku** 1986 Sep; 23(9):1121–312 **(Jpn)**

[Quantitative evaluation of thallium–201 myocardial single photon emission CT (SPECT): clinical application] Doi O, et al. **Kaku Igaku** 1987 Mar;24(3):279–87 (Eng. Abstr.) **(Jpn)**

[Intracardiac malignant lymphoma demonstrated by 201 thallium and 67 gallium scintigraphy] Hamada S, et al. **Kaku Igaku** 1987 Jan;24(1):65–70 (Eng. Abstr.) **(Jpn)**

[Assessment of right atrial (RA) and ventricular (RV) function by Kr–81m gated blood pool scan—RA and RV pressure–volume loops with simultaneous pressure data] Ishiguro M, et al. **Kaku Igaku** 1986 Oct;23(10):1459–63 (Eng. Abstr.) **(Jpn)**

[Scintigraphy with In–111 labeled leukocytes: simplified labeling and its clinical application] Itoh K, et al. **Kaku Igaku** 1987 Mar;24(3):341–51 **(Jpn)**

[Correlation between Tl–201 myocardial scintigraphic findings and exercise–induced ST depression in non–infarct–related leads in old myocardial infarction with one–vessel coronary disease] Kataoka H, et al. **Kaku Igaku** 1986 Oct;23(10):1369–80 (Eng. Abstr.) **(Jpn)**

[Detection of platelet deposition in cases of arteriosclerosis obliterans (ASO) using indium–111 platelets and Tc–99m human serum albumin] Kitagawa K, et al. **Kaku Igaku** 1987 Feb;24(2):115–23 (Eng. Abstr.) **(Jpn)**

[Quantitative estimation of right ventricular pressure overloading by Tl–201 myocardial SPECT] Kunieda E, et al. **Kaku Igaku** 1987 Feb;24(2):177–80 (Eng. Abstr.) **(Jpn)**

[Comparative studies of ultrasonography, CT, RN–imaging and MRI in detecting the parathyroid gland in primary hyperparathyroidism] Kurokawa M, et al. **Kaku Igaku** 1987 Jan;24(1):83–9 **(Jpn)**

[Two dimensional polar coordinate representation (bulls–eye view) method of the 201Tl myocardial SPECT] Mashima Y, et al. **Kaku Igaku** 1987 Mar;24(3):251–61 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of exercise stress thallium–201 myocardial tomography: the evaluation of bull's–eye map representation for the detection of coronary artery disease] Narita M, et al. **Kaku Igaku** 1987 Jan;24(1):55–64 (Eng. Abstr.) **(Jpn)**

[Exercise–induced ST–T changes and severity of myocardial ischemia in single–vessel coronary artery disease: quantitative assessment by stress thallium scan] Shimonagata T, et al. **Kaku Igaku** 1986 Dec;23(12):1721–30 (Eng. Abstr.) **(Jpn)**

[Thallium–201 scintigraphy at rest in patients with complete left bundle branch block] Sugihara H, et al. **Kaku Igaku** 1986 Aug;23(8):985–92 (Eng. Abstr.) **(Jpn)**

[Monitoring of RV function by the nuclear cardiac single probe and Kr–81m—first pass transient study] Uno T, et al. **Kaku Igaku** 1987 Mar;24(3):303–7 (Eng. Abstr.) **(Jpn)**

[Identification of the location of coronary artery narrowings by stress Tl–201 myocardial scintigraphic imaging] Wakasugi S, et al. **Kaku Igaku** 1987 Apr;24(4):417–25 (Eng. Abstr.) **(Jpn)**

[111In–labeled platelets and 67Ga–DFO–DAS–fibrinogen for the detection of pulmonary thromboembolism] Hanano M, et al. **Kokyu To Junkan** 1987 Jan;35(1):3–9 **(Jpn)**

[Preoperative prediction of postoperative lung function using 81mKr ventilation lung scintigram] Kaneda M, et al. **Kokyu To Junkan** 1987 Jan;35(1):47–50 **(Jpn)**

[Positron emission tomography of lung cancer using 18F–2–fluoro–2–deoxy–D–glucose and L–[11C–methyl]–methionine] Matsuzawa T, et al. **Kokyu To Junkan** 1987 Jan;35(1):15–20 **(Jpn)**

[Analysis of regional ventilation using radionuclear method] Shimada T, et al. **Kokyu To Junkan** 1987 Jan;35(1):39–45 **(Jpn)**

[Clinical evaluation of thallium–201 myocardial scintigram in myocarditis] Shimonagata T, et al. **Kokyu To Junkan** 1987 Jan;35(1):59–64 (Eng. Abstr.) **(Jpn)**

[Decreased coronary reserve in patients with hypertrophic cardiomyopathy—a study using split dose thallium–201 dipyridamole myocardial imaging] Yamaguchi R. **Kokyu To Junkan** 1987 Jan;35(1):97–103 (Eng. Abstr.) **(Jpn)**

[Local cerebral blood flow mapping by SPECT of N–isopropyl–p–[123I] iodoamphetamine in comparison with an 81mKr image] Takeuchi S, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):369–78 (Eng. Abstr.) **(Jpn)**

[Study on perigastric lymphatics using 111In–oxine–labeled lymphocytes] Hara A, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):239 **(Jpn)**

[Quantitative evaluation of thallium–201 myocardial imaging. Clinical usefulness of CMBF (cardiac muscle blood flow) for the detection of antero–septal myocardial infarction] Hikita F. **Nippon Ika Daigaku Zasshi** 1986 Oct;53(5):460–6 (Eng. Abstr.) **(Jpn)**

[Evaluation of myocardial and skeletal muscular involvement with thallium–201 myocardial emission computed tomography and whole body scintigraphy] Yamamoto S, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1234–42 **(Jpn)**

[Evaluation of In–111 tropolone labeled platelet scintigraphy in the aged] Nagashima J, et al. **Nippon Ronen Igakkai Zasshi** 1987 Jan;24(1):1–10 (Eng. Abstr.) **(Jpn)**

[Application of the RI–counting method in CSF rhinorrhea] Yamamoto Y, et al. **No Shinkei Geka** 1987 Jan;15(1):33–7 (Eng. Abstr.) **(Jpn)**

[Tracer methods in the diagnosis and pathological study of malignant tumors with radioactive metal ions] Ando A. **Tanpakushitsu Kakusan Koso** 1986 Dec;31(15):1585–90 **(Jpn)**

[Evaluation of myocardial perfusion by 201Tl scintigraphy] Pisareva NA, et al. **Kardiologiia** 1986 Aug;26(8):111–3 **(Rus)**

[Methodological aspects of bone marrow research using 111In–citrin] Korsunskiĭ VN, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):8–13 (Eng. Abstr.) **(Rus)**

[Scintigraphy of cold nodules with 201Tl for the early diagnosis of thyroid cancer] Vlakhov N, et al. **Vopr Onkol** 1987;33(7):99–101 **(Rus)**

[Usefulness of gammagraphy with 201–thallium chloride and technetium 99m pertechnetate in the preoperative diagnostic localization of primary hyperthyroidism] Simó R, et al. **Med Clin (Barc)** 1987 May 23;88(20):814–6 (Eng. Abstr.) **(Spa)**

[Subtraction scintigraphy using Tc99m/Tl 201 in the preoperative localization of adenomas of the parathyroid (letter)] Noguera EC, et al. **Medicina (B Aires)** 1985; 45(6):698–9 **(Spa)**

[Myocardial scintigraphy perfusion with thallium 201 in coronary disease. Importance of the fractional coefficient (K) of segmental washout of the isotope] Noguera EC, et al. **Medicina (B Aires)** 1986;46(1):1–8 (Eng. Abstr.) **(Spa)**

[Thallium–201 cardiac gammography in patients with normalization of the electrocardiogram after a transmural myocardial infarct] Coll S, et al. **Rev Esp Cardiol** 1986 Jul–Aug;39(4):279–82 (Eng. Abstr.) **(Spa)**

[Myocardial gammagraphy with thallium–201 and low–doses dipyridamole. Prediction of coronary lesions from segmental defects in perfusion] Martínez Martínez A, et al. **Rev Esp Cardiol** 1987 May–Jun;40(3):169–74 (Eng. Abstr.) **(Spa)**

[Quantification of coronary disease using myocardial gammagraphy with thallium–201 in exertion and redistribution. Advantages of computerized analysis] Olaz F, et al. **Rev Esp Cardiol** 1987 May–Jun;40(3):164–8 (Eng. Abstr.) **(Spa)**

[Usefulness of thallium–201 ergometry in patients with complete left branch block] Rodríguez Padial L, et al. **Rev Esp Cardiol** 1986 Jul–Aug;39(4):266–8 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Improved immune–specificity in monoclonal radioimmunoimaging using dual radionuclide color functional maps. Engelstad BL, et al. **Invest Radiol** 1986 Dec;21(12):917–21

ISOLATION & PURIFICATION

Fast chemical synthesis of [75Se]L–selenomethionine. Plenevaux A, et al. **Int J Rad Appl Instrum [A]** 1987; 38(1):59–61

Conversion of 111In–oxine to 111In trichloride by acid hydrolysis. Wong DW. **Int J Rad Appl Instrum [A]** 1987; 38(1):70

[Separation of [Rh–103m]–rhodocene derivatives from the parent [103Ru]ruthenocene derivatives and their organ distribution] Wenzel M, et al. **Int J Rad Appl Instrum [A]** 1987;38(1):67–9 (Eng. Abstr.) **(Ger)**

METABOLISM

36Cl– and 86Rb+ uptake in rat parotid acinar cells. Kawaguchi M, et al. **Arch Oral Biol** 1986;31(10):679–83

Binding properties of 111In–diethylenetriaminepentaacetic

acid (DTPA)-fragment E1,2, a fibrin-specific probe, are dependent on use of protecting complex during attachment of DTPA groups. Knight LC, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):45–53

Binding of 113mIn ion to human erythrocytes. Kämpfer I, et al. **Biomed Biochim Acta** 1986;45(10):1259–65

Comparison of rubidium–86 and potassium–42 fluxes in rat aorta. Smith JM, et al. **Blood Vessels** 1986;23(6):297–309

Enhancement of specific [3H]ouabain binding and ouabain sensitive 86rubidium influx in intact human lymphocytes by a dialysable factor in human and fetal calf serum. Oh VM, et al. **Clin Sci** 1987 Jan;72(1):71–9

Biodistributions of 201Tl in tumor bearing animals and inflammatory lesion induced animals. Ando A, et al. **Eur J Nucl Med** 1987;12(11):567–72

Radionuclide export by deer mice at a solid radioactive waste disposal area in southeastern Idaho. Arthur WJ, et al. **Health Phys** 1987 Jan;52(1):45–53

A direct comparison of the brain uptake and plasma clearance of N-[11C]methylspiroperidol and [18F]N-methylspiroperidol in baboon using PET. Fowler JS, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):281–4

The synthesis and characterization of 111In hematoporphyrin derivative. Lavallee DK, et al. **Int J Rad Appl Instrum [B]** 1986;13(6):639–41

Comparison of the biodistribution of manganese–54 DTPA and gadolinium–153 DTPA in dogs. Boudreau RJ, et al. **J Nucl Med** 1987 Mar;28(3):349–53

Relationship between thallium uptake and blood flow [letter] Charkes ND. **J Nucl Med** 1987 Mar;28(3):399–401

Myocardial uptake of thallium and rubidium during alterations in perfusion and oxygenation in isolated rabbit hearts. Leppo JA. **J Nucl Med** 1987 May;28(5):878–85

Methods for the study of the metabolism of radiolabeled monoclonal antibodies by liver and tumor. Sands H, et al. **J Nucl Med** 1987 Mar;28(3):390–8 (37 ref.)

Generalized conservation equation for multicompartmental systems. Adler RS. **Med Phys** 1987 Mar–Apr;14(2):218–22

Metal decomposition rates of 111In–DTPA and EDTA conjugates of monoclonal antibodies in vivo. Goodwin DA, et al. **Nucl Med Commun** 1986 Nov;7(11):831–8

Long–term retention of 133Ba in the rat trachea following local administration as barium sulfate particles. Takahashi S, et al. **Radiat Res** 1987 Jun;110(3):321–8

Some applications of the indium–113m–transferrin technique for gamma–radiation detection of microvascular effects of serotonin and ischemia. Hultkvist U, et al. **Res Exp Med (Berl)** 1987;187(1):49–54

[Comparison of the effects of angiotensin, thyreoidin, and isoprenaline on the tissue capture of 85Sr–microspheres, 86 Rb, and 125I–antipyrine in laboratory rats] Kapitola J, et al. **Cesk Fysiol** 1987;36(1):73–7 **(Cze)**

[The behavior of radionuclides in soil] Bunzl K. **DTW** 1987 Jun 9;94(6):357–9 (Eng. Abstr.) **(Ger)**

[Retention of radionuclides in cattle as a consequence of fallout from Chernobyl: retention per unit time and application of a model for the prediction of the course of retention] Gentile G, et al. **DTW** 1987 May 7;94(5):252–8 (Eng. Abstr.) **(Ger)**

[Transfer of radionuclides from forage plants into milk] Heeschen W. **DTW** 1987 Jun 9;94(6):364–7 (Eng. Abstr.) **(Ger)**

[Transfer of radionuclides into crops] Ocker HD. **DTW** 1987 Jun 9;94(6):360–1 (Eng. Abstr.) **(Ger)**

[Estimation of radiation dose produced by impurities in nuclear medicine studies using Tl–201 chloride] Bergamini C, et al. **Radiol Med (Torino)** 1986 Sep;72(9):656–9 (Eng. Abstr.) **(Ita)**

[Passage of neodymium, samarium, europium and terbium to fetuses and the utero–placental space after intravenous contamination of rats] Marciniak M, et al. **Rocz Panstw Zakl Hig** 1987;38(1):90–6 (Eng. Abstr.) **(Pol)**

[Statistical indices of 201Tl distribution in the myocardium] Muchnik IB, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):3–8 (Eng. Abstr.) **(Rus)**

[Internal contamination with medically important radionuclides] Duraković A. **Arh Hig Rada Toksikol** 1986 Mar;37(1):67–99 (94 ref.) (Eng. Abstr.) **(Scr)**

PHARMACODYNAMICS

In vitro function of indium–111 oxine–labeled human monocytes. Weinberg JB, et al. **J Immunol Methods** 1986 Dec 4;95(1):9–14

STANDARDS

The standardization of samarium–153. Coursey BM, et al. **Int J Rad Appl Instrum [A]** 1987;38(1):31–4

[Guidelines for evaluation of safety standards associated with hospital cyclotron–produced radiopharmaceuticals. Subcommittee on Medical Application of Cyclotron–produced Radionuclides, Medical and Pharmaceutical Committee, Japan Radioisotope Association] **Radioisotopes** 1986 Nov;35(11):616–8 **(Jpn)**

THERAPEUTIC USE

Results after beta–irradiation (106Ru/106Rh) of choroidal melanomas. Twenty years' experience. Lommatzsch PK. **Am J Clin Oncol** 1987 Apr;10(2):146–51

The role of interstitial irradiation (brachytherapy) with iridium–192 in the treatment of head and neck cancers. Schmid AP, et al. **Arch Otorhinolaryngol** 1987;244(1):15–9

The cost of interstitial curietherapy using iridium pins and needles [letter] Denham JW, et al. **Australas Radiol** 1987 Feb;31(1):93–4

Radioimmunotherapy of malignancy using antibody targeted radionuclides. Cobb LM, et al. **Br J Cancer** 1986 Dec; 54(6):863–70 (66 ref.)

New methods for implanting plastic tubes for 192iridium brachytherapy using steel needles. Colthart RS, et al. **Clin Radiol** 1987 May;38(3):275–6

Regression of posterior uveal malignant melanomas after cobalt plaque radiotherapy. Augsburger JJ, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):397–400

Cyclotron production of no–carrier–added 206Bi (6.24 d) and 205Bi (15.31 d) as tracers for biological studies and for the development of alpha–emitting radiotherapeutic agents. Lagunas–Solar MC, et al. **Int J Rad Appl Instrum [A]** 1987; 38(2):129–37

The concept of radiopharmaceuticals: a general report. Cohen Y. **Int J Rad Appl Instrum [B]** 1986;13(2):81–2

Immunochemical aspects of monoclonal antibodies important for radiopharmaceutical development. DeNardo SJ, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):303–10

The chemistry of rhenium and technetium as related to the use of isotopes of these elements in therapeutic and diagnostic nuclear medicine. Deutsch E, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):465–77

The use of radionuclides for tumor therapy. Fawwaz RA, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):429–36

153Sm radiotherapeutic bone agents. Goeckeler WF, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):479–82

Therapeutic applications of radiolabelled antibodies: current situation and prospects. Larson SM, et al. **Int J Rad Appl Instrum [B]** 1986;13(2):207–13

Practical assessment of radiation doses using labelled antibodies for therapy. Myers MJ, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):437–46

Radiolabeled biomolecules with 186Re: potential for radioimmunotherapy. Quadri SM, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):447–51

Applied principles of radiopharmaceutical use in therapy. Spencer RP. **Int J Rad Appl Instrum [B]** 1986;13(4):461–3

Salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5–year results of 70 cases. Mazeron JJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):957–62

Re: Preliminary observations on the results of combined temporary 192iridium implantation and external beam irradiation for carcinoma of the prostate [letter] Klein FA, et al. **J Urol** 1987 May;137(5):1010–1

Interstitial radiobrachytherapy of malignant cerebral neoplasms: rationale, methodology, prospects. Apuzzo ML, et al. **Neurol Res** 1987 Jun;9(2):91–100

Stereotactic biopsy and brachytherapy of brain tumours. Dyck P, et al. **Neurol Res** 1987 Jun;9(2):69–90

Radiation control in the intensive care unit for high intensity iridium–192 brain implants. Sewchand W, et al. **Neurosurgery** 1987 Apr;20(4):584–8

Radiopharmaceuticals and the Medicines Act [editorial] Hesslewood SR, et al. **Nucl Med Commun** 1987 Feb; 8(2):67–8

Samarium–145: a new brachytherapy source. Fairchild RG, et al. **Phys Med Biol** 1987 Jul;32(7):847–58

Differences in the consequences of the decay of radioactive 64Cu atoms incorporated in cells under either in vitro or in vivo conditions. Apelgot S, et al. **Radiat Environ Biophys** 1987;26(2):115–23

Intraluminal endocurietherapy of inoperable Klatskin's tumor with high–activity 192iridium. Kumar PP, et al. **Radiat Med** 1986 Jan–Mar;4(1):21–6

Malignant biliary obstruction: intracavitary treatment with a high–dose–rate remote afterloading device. Haffty BG, et al. **Radiology** 1987 Aug;164(2):574–6

Brachytherapy implants with differently spaced Ir–192 seeds: a dosimetric study. Muller–Runkel R, et al. **Radiology** 1987 Oct;165(1):271–4

Template–guided interstitial implants: Cs–137 reusable sources as a substitute for Ir–192. Williamson JF, et al. **Radiology** 1987 Oct;165(1):265–9

Carcinoma of the female urethra: combined iridium Ir 192 interstitial and external beam radiotherapy. Klein FA, et al. **South Med J** 1987 Sep;80(9):1129–32

[192Ir afterloading machine for intracavitary radiotherapy—first unit installed in China] Yu GR, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):300–2 (Eng. Abstr.) **(Chi)**

[Curietherapy of the eustachian tube with Ir–192] Peynègre R, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(3):187–94 (Eng. Abstr.) **(Fre)**

[Treatment of melanomas of the choroid with 106 Ru/106 Rh applicators. Preliminary results] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1333–7 (Eng. Abstr.) **(Fre)**

[Interstitial irradiation by 192Ir seed assemblies in fixed cervical lymph node metastases] Tsujii H, et al. **Gan No Rinsho** 1987 Apr;33(4):352–60 (Eng. Abstr.) **(Jpn)**

[Measurement of radiation exposures to the radiotherapists in the brachytherapy—comparison of the iridium and cesium therapy] Matsuoka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1035–40 (Eng. Abstr.) **(Jpn)**

[Treatment of stages I and II of breast cancer by limited surgery and radiation boost to the tumor bed using iridium–192. Experience in 92 patients controlled during 4 years] Guix B, et al. **Med Clin (Barc)** 1987 Mar 28; 88(12):481–5 (Eng. Abstr.) **(Spa)**

[Radiotherapy of malignant melanoma of the choroid with ruthenium–106 applicator gives good results] Seregard S, et al. **Lakartidningen** 1987 Jul 8;84(28–29):2339–40 (Eng. Abstr.) **(Swe)**

RADIOLIGAND ASSAY

Graphic presentation and analysis of inhibition data from ligand–binding experiments. Bylund DB. **Anal Biochem** 1986 Nov 15;159(1):50–7

Effects of different batches of 125iodine on properties of 125I–hFSH and characteristics of radioligand–receptor assays. Melson BE, et al. **Anal Biochem** 1987 Feb 1; 160(2):434–9

Atrial natriuretic peptide in human plasma—comparison of radioreceptor versus radioimmunoassay. Sagnella GA, et al. **Clin Chim Acta** 1987 Jun 30;166(1):37–44

The radioreceptor assay for TBII in the spectrum of thyroid stimulating immunoglobulins. Bliddal H. **Dan Med Bull** 1987 Apr;34(2):83–95 (0 ref.)

A new case of abnormal insulinemia with diabetes. Reduced insulin values determined by radioreceptor assay. Iwamoto Y, et al. **Diabetes** 1986 Nov;35(11):1237–42

Radioreceptor assay for lactogenic hormones based on membranes from rat mammary tumour. Pahnke VG, et al. **Horm Metab Res** 1986 Oct;18(10):680–5

Fluorine–18 labeled receptor based radiopharmaceuticals. Kilbourn MR, et al. **Int J Rad Appl Instrum [A]** 1986; 37(8):677–83

Receptors labeled with gamma–emitting radiotracers. Eckelman WC. **Int J Rad Appl Instrum [B]** 1986; 13(2):135–9 (34 ref.)

Labeling of estrogen receptors in breast cancer. Therain F, et al. **Int J Rad Appl Instrum [B]** 1986;13(2):141–6

Use of a sensitive receptor binding assay to discriminate between full–length and truncated human recombinant tumor necrosis factor proteins. Carlino JA, et al. **J Biol Chem** 1987 Jan 25;262(3):958–61

The quantitation of human growth hormone by a radioreceptor assay using an established human cell line. Nederman T, et al. **J Biol Stand** 1987 Jul;15(3):199–211

Receptor–assay for endogenous inhibitors of Na–K ATPase. Favre H, et al. **Klin Wochenschr** 1987;65 Suppl 8:49–52

Influence of ligand degradation on ligand binding assays. Speth RC, et al. **Proc West Pharmacol Soc** 1986;29:489–92

[Scatchard plot methods and its parameters solution] Zhu QL. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Dec;8(6):466–72 (Eng. Abstr.) **(Chi)**

[Clinical value of the determination of TSH–binding inhibitory immunoglobulins (TBII) by a radioreceptor assay] Heberling HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;46(5):301–6 (Eng. Abstr.) **(Ger)**

[Radioreceptor assay—application and perspectives] Tsushima T. **Radioisotopes** 1986 Dec;35(12):651–7 (9 ref.) **(Jpn)**

[Apropos of possible paired comparison of receptor–binding parameters obtained in one experiment] Mashilov KV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):506–8 (Eng. Abstr.) **(Rus)**

[Purification of radioactive sex hormones as receptor ligands] Degtiar' VG, et al. **Vopr Med Khim** 1987 Mar–Apr; 33(2):71–3 (Eng. Abstr.) **(Rus)**

METHODS

Choosing near–linear parameters in the four–parameter logistic model for radioligand and related assays. Ratkowsky DA, et al. **Biometrics** 1986 Sep;42(3):575–82

Centrifugation or filtration in quantitative radioreceptor assays. Ensing K, et al. **J Biochem Biophys Methods** 1986 Sep;13(2):85–96

A radioreceptor assay for pharmaceutical preparations of insulin. Baxter D. **J Biol Stand** 1986 Oct;14(4):319–30

Angiotensin–converting enzyme inhibitors: measurement of relative inhibitory potency and serum drug levels by radioinhibitor binding displacement assay. Jackson B, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):699–704

A solid–phase receptor binding assay for 125I–hCG. Bortolussi M, et al. **J Immunoassay** 1987;8(2–3):219–35

The radioreceptor assay: a simple, sensitive and rapid analytical procedure. Ferkany JW. **Life Sci** 1987 Aug 17; 41(7):881–4

Ligand dissociation constants from competition binding assays: errors associated with ligand depletion. Goldstein A, et al. **Mol Pharmacol** 1987 Jun;31(6):603–9

A quantitative method of analyzing the interaction of slightly selective radioligands with multiple receptor subtypes. McGonigle P, et al. **Mol Pharmacol** 1986 Oct;30(4):329–37

Computer analysis of radioligand data: advantages, problems, and pitfalls. Rodbard D, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:209–22

A simple and sensitive radioreceptor assay for leukotrienes. Kohi F, et al. **Prostaglandins** 1987 Jan;33(1):121–36

Modification of the radioreceptor assay technique for estimation of serum neuroleptic drug levels leads to improved precision and sensitivity. Rao ML. **Psychopharmacology (Berlin)** 1986;90(4):548–53

[Studies on the action mechanism of gossypol with fixed

concentration radioactive-ligand receptor assay] Ye YX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Apr;8(2):96-9 (Eng. Abstr.) **(Chi)**

[Comparison between Scatchard and dose-response ratio equations and their application] Yang C. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):6-10 (Eng. Abstr.) **(Chi)**

[Study of a method of B and F separation of hCG by radioreceptor assay] Chen ML, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):265-8 (Eng. Abstr.) **(Chi)**

[Measurement of cytosol estrogen receptor in human breast cancer using 16 alpha-125I-estradiol] Iida Y, et al. **Kaku Igaku** 1987 Mar;24(3):327-33 **(Jpn)**

[Establishment of a new method for insulin antibody measurement by antibody beads] Sato M, et al. **Rinsho Byori** 1987 May;35(5):582-6 **(Jpn)**

RADIOLOGIC PHYSICS see **HEALTH PHYSICS**

RADIOLOGY

Microcomputer applications for the academic radiologist. Amis ES Jr. **AJR** 1987 Jul;149(1):187-90

Wall Street entrepreneurs and imaging centers: an insidious threat to radiology [editorial] Berlin L. **AJR** 1987 Sep; 149(3):638-40

Computer-aided design and realization of scientific exhibits in radiology. Chew FS, et al. **AJR** 1987 Jul;149(1):195-8

The scientific literature in diagnostic radiology for American readers: a survey and analysis of journals, papers, and authors. Chew FS. **AJR** 1986 Nov;147(5):1055-61

Caldwell lecture. Armchair research and the practicing radiologist. Felson B. **AJR** 1986 Nov;147(5):881-90

Subdivision of vascular and interventional radiology by organ system [letter] Halsell RD. **AJR** 1987 Oct;149(4):857

Picture archiving and communication systems in Japan. Huang HK, et al. **AJR** 1987 Feb;148(2):427-9

An academic career: the rest of the story [letter] McNiesh LM. **AJR** 1987 Sep;149(3):647

An overview of informed consent for radiologists. Reuter SR. **AJR** 1987 Jan;148(1):219-27 (40 ref.)

The radiology of aging: a new subspeciality? [letter] Sartoris DJ. **AJR** 1987 Jul;149(1):207

Diagnostic imaging interpretation: comprehensiveness means quality. Sartoris DJ. **AJR** 1987 Jul;149(1):199-200

Prudent diplomacy: shared radiology, not radiation [letter] Sartoris DJ. **AJR** 1987 Sep;149(3):644

Patient education, preventive medicine, and the radiologist [letter] Sartoris DJ. **AJR** 1987 Feb;148(2):456

Risk management for the radiologist. Smith JP. **AJR** 1987 Sep;149(3):641-3

Some applications for a personal computer data-base system in radiology. Sommer FG. **AJR** 1986 Nov;147(5):1075-7

Neuroradiology: the next 25 years. Taveras JM. **AJR** 1987 Sep;149(3):572-4

Forensic radiology. Evans KT, et al. **Br J Hosp Med** 1986 Jul;36(1):14-20

Memoranda from the British Committee on Radiation Units and measurements. **Br J Radiol** 1986 Sep;59(705):945-50

Proceedings of the British Institute of Radiology. Radiology '85: Forty-third annual congress and scientific exhibition. Manchester, April 17-19, 1985. Abstracts. **Br J Radiol** 1985 Aug;58(692):787-830

Radiology in developing countries [letter] Huo DJ. **Br J Radiol** 1985 Sep;58(693):915-6

Does radiation exposure produce a protective effect among radiologists? Matanoski GM, et al. **Health Phys** 1987 May; 52(5):637-43

Preparing a grant proposal. Adelstein SJ. **Invest Radiol** 1987 Mar;22(3):250-2

How the NIH processes a grant application. Implications for radiology. Bragg DG. **Invest Radiol** 1987 Jan;22(1):66-7

Legal and ethical choices in a technologic discipline: imaging centers, DRGs, and the radiologist. James AE Jr, et al. **Invest Radiol** 1986 Sep;21(9):746-51

Career adjustment of women radiologists. Janus CL, et al. **J Am Med Wom Assoc** 1987 Mar-Apr;42(2):54-6

The effect of an on-site radiology facility on radiologic utilization in family practice. Strasser RP, et al. **J Fam Pract** 1987 Jun;24(6):619-23

Considerations in the humane use of laboratory animals in radiology research. Dreesen RG. **Radiol Technol** 1987 Mar-Apr;58(4):347-50

Rights, roles, and relationships in radiology [letter] **Radiology** 1987 Oct;165(1):288-9

72nd scientific assembly and annual meeting: the Radiological Society of North America. Chicago, November 30-December 5, 1986. Abstracts. **Radiology** 1986 Nov;161 Spec No:1-546

Algorithms in radiology and medical imaging. Athanasoulis CA, et al. **Radiology** 1987 Aug;164(2):565-7

Rights, roles, and relationships in radiology. Schreiber MH, et al. **Radiology** 1987 Apr;163(1):269-70

How to treat a visiting radiology professor [editorial] Felson B. **Semin Roentgenol** 1987 Jan;22(1):1-3

[Radiation burden; keeping one's distance is best (letter)] **Ned Tijdschr Geneeskd** 1987 May 23;131(21):923-4 **(Dut)**

[The French Society of Medical Radiology. 1986 directory] **J Radiol** 1986 Jun-Jul;67(6-7):529-59 **(Fre)**

[Radiology in Tunisia. Current evaluation, prospects for the future] Gharbi HA, et al. **J Radiol** 1986 Nov;67(11):839-43 **(Fre)**

[Scientific symposium with international participation: "Advances in Radiology". On the 60th anniversary of the founding of the Radiology Clinic and the opening of the new Radiation Therapy Center. Karl-Marx-Stadt, 29-31 May 1985. Abstracts] **Radiobiol Radiother (Berl)** 1986; 27(6):805-21 **(Ger)**

[Associazione Italiana di Radiologia Medica e Medicina Nucleare. Official directory of members updated to 31 December 1986] **Radiol Med (Torino)** 1986;72 Suppl:1-64 **(Ita)**

[Current medicolegal problems deriving from the practice of radiology] Fiori M, et al. **Radiol Med (Torino)** 1987 Jan-Feb;73(1-2):99-102 **(Ita)**

[The personal computer in radiologic activity. Reflections on informatics] Marano P, et al. **Radiol Med (Torino)** 1987 Mar;73(3):145-50 **(Ita)**

[PACS (picture archiving and communication system)--preliminaries of medical care in the 21st century] Maeda T. **Rinsho Hoshasen** 1986 Nov;31(12):1383-92 (Eng. Abstr.) **(Jpn)**

[Development of a provisional information-retrieval descriptor language for "Roentgenology and Medical Radiology" for use in the Medinform system] Sviridov NK, et al. **Med Radiol (Mosk)** 1987 May;32(5):52-4 (Eng. Abstr.) **(Rus)**

ECONOMICS

Free-standing imaging centers [letter] **AJR** 1986 Dec; 147(6):1334-6

What really happens in imaging centers: issues of finance and control [letter] Burnett KR, et al. **AJR** 1986 Dec; 147(6):1333-4

"Cost-effective": a trendy, often misused termDoubilet PM. **AJR** 1987 Apr;148(4):827-8

Imaging centers continue to grow. Cherskov M. **Hospitals** 1986 Oct 5;60(19):90-1, 96, 102-5

Present health care policy changes: the effects upon high-technology medical imaging. James AE Jr, et al. **Pharos** 1986 Fall;49(4):19-22

EDUCATION

Instruction in image processing for residents in diagnostic radiology. Huang HK, et al. **AJR** 1987 Aug;149(2):435-7

Beyond radiology training: a guide to career choice [letter] Michels LG. **AJR** 1987 Oct;149(4):863-4

Beyond radiology training: a guide to career choice [editorial] Sartoris DJ. **AJR** 1987 May;148(5):1029

A clinical year for radiology trainees: necessary or detrimental? [letter] Sartoris DJ. **AJR** 1987 Mar; 148(3):652-3

A computerized filing system for radiology teaching cases. Sistrom CL, et al. **AJR** 1987 Jul;149(1):191-3

Women in academic radiology. Whitley NO. **AJR** 1987 Aug; 149(2):438-9

Undergraduate training in radiology. Bloomfield JA. **Australas Radiol** 1987 Feb;31(1):14-5

Are we taught how to use a radiology department as medical students? Cozens NJ. **Clin Radiol** 1987 Mar;38(2):137-9

Postgraduate training in radiation oncology in the United States, 1986. Cox JD, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1383-8

Critique of "Essentials and guidelines for radiation oncology residency training programs" [letter]Orton CG, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):945

Status of radiation oncology in the curriculum of American medical schools [letter] Wall TJ. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1431

Proposal regarding post-residency education in radiology subspecialties. anon. **Invest Radiol** 1986 Dec;21(12):935-8

Constructing pre- and post-tests in a medical student elective. Blane CE, et al. **Invest Radiol** 1986 Sep;21(9):743-5

Incorporating radiology technologists into the faculty of medical student clerkships in radiology. The technical aspects workshop. Bluth EI. **Invest Radiol** 1987 Apr; 22(4):343-4

A multimodality projection console for the radiology conference room. Delany DJ, et al. **Invest Radiol** 1987 Apr; 22(4):336-7

The disposition of the resident unsuited for the discipline of diagnostic radiology. Heller RM, et al. **Invest Radiol** 1987 May;22(5):427-8

Educational objectives for diagnostic radiology residency training. Howland WJ, et al. **Invest Radiol** 1986 Dec; 21(12):932-4

Report of AAMC task force on residency transition. James AE Jr. **Invest Radiol** 1987 Jul;22(7):613-4

Accreditation of graduate medical education in radiology. Historic perspectives. Pendergrass HP, et al. **Invest Radiol** 1986 Oct;21(10):812-4

Detection of low-contrast signals. A comparison of observers with and without radiology training. Rackow PL, et al. **Invest Radiol** 1987 Apr;22(4):311-4

Curriculum topics in radiology education. Smith WL, et al. **Invest Radiol** 1987 Jun;22(6):521-3

Experience with an alternative curriculum. Sullivan DC, et al. **Invest Radiol** 1987 Mar;22(3):246-9

A resident perspective on the radiology residency. The critical incident technique. Tarico VS, et al. **Invest Radiol** 1986 Nov;21(11):877-80

Guidelines for writing multiple-choice questions in radiology courses. Vydareny KH, et al. **Invest Radiol** 1986 Nov; 21(11):871-6

Advancement of women in academic radiology. Whitley NO, et al. **Invest Radiol** 1987 May;22(5):431-5

Radiation therapy in dermatologic training centers [letter] Polano MK. **J Am Acad Dermatol** 1987 Jun;16(6):1267-8

Curriculum guidelines for predoctoral oral radiology. **J Dent Educ** 1987 May;51(5):254-9

Curriculum guidelines for dental radiology for dental hygiene and dental assisting education. **J Dent Educ** 1987 Aug; 51(8):497-507

Development and validation of an accomplishment interview for radiology residents. Tarico VS, et al. **J Med Educ** 1986 Oct;61(10):845-7

Evaluation of performance of radiology residents. Heller RM, et al. **J R Soc Health** 1987 Apr;107(2):74-5

Postgraduate training and specialisation in radiology and imaging [editorial] Jumshyd A. **JPMA** 1987 Jun; 37(6):141-2

Role of a radiologic technologist trained as a physician assistant in diagnostic radiology. Groves SI, et al. **Radiol Technol** 1978 Nov-Dec;50(3):265-8

Radiotherapy teaching by simulation: the computerized treatment plan. Cellini N, et al. **Rays** 1985 Jan-Apr; 10(1):117-20

A WHO training package aimed at improving the use of radiology for underserved populations. Racoveanu NT. **WHO Chron** 1986;40(4):135-40

[Program of teaching general and stomatological radiology in graduate stomatological studies in medical schools] Mlosek K, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov-Dec;50(6):332-4 **(Pol)**

[Teaching of medical informatics at the department of roentgenology and radiology of a medical institute] Koroliuk IP. **Med Radiol (Mosk)** 1987 Mar;32(3):91-3 **(Rus)**

[Current problems in teaching medical radiology] Lindenbraten LD. **Med Radiol (Mosk)** 1986 Oct;31(10):3-7 **(Rus)**

[Improvement of practical training of students in clinical radiology] Zolotkov AG, et al. **Med Radiol (Mosk)** 1986 Oct;31(10):64-6 (Eng. Abstr.) **(Rus)**

HISTORY

The radiologist as guinea pig: radiation hazards to man as demonstrated in early radiologists, and their patients. Berry RJ. **J R Soc Med** 1986 Sep;79(9):506-9

Certificate issued by the ABR to Henry Pancoast in June 1984. Miller WT. **Radiology** 1986 Nov;161(2):414

Shadows. Grebbell FS. **Ulster Med J** 1987 Apr;56(1):30-8

MANPOWER

Half as many radiologists again by 1995 [editorial] Brindle MJ. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):771

The manpower crisis facing radiation oncology. Davis LW, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1873-8

Trends in radiation therapy demographics--1974 to 1983. Diamond JJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1673-4

What's the glut [editorial] Fuller DE. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2051

Radiologic manpower. Issues and controversies [editorial] Bragg DG. **Invest Radiol** 1987 Jun;22(6):515

A critical eye. Spackman TJ. **Invest Radiol** 1987 Jan;22(1):73

Women in radiology [editorial] Evens RG. **Radiology** 1987 Jul;164(1):282-3

Potential radiation hazards to personnel during dynamic CT [letter] Kaczmarek RG, et al. **Radiology** 1986 Dec; 161(3):853

Quality assurance control in the EORTC cooperative group of radiotherapy. 1. Assessment of radiotherapy staff and equipment. European Organization for Research and Treatment of Cancer. Horiot JC, et al. **Radiother Oncol** 1986 Aug;6(4):275-84

[Tasks of physicists and graduate engineers in x-ray diagnosis] Angerstein W. **Radiol Diagn (Berl)** 1987; 28(2):279-85 (Eng. Abstr.) **(Ger)**

METHODS

Communicating the significance of radiologic test results: the likelihood ratio. Black WC, et al. **AJR** 1986 Dec; 147(6):1313-8

Microcomputer-based graphics for radiology. Taylor GA. **AJR** 1986 Dec;147(6):1319-21

Neuroradiological imaging techniques. Gebarski SS. **Int Ophthalmol Clin** 1986 Winter;26(4):223-39

To whom should we give the safer contrast media? [letter] Black WC. **Radiology** 1987 Jun;163(3):831-2

STANDARDS

Malpractice and radiologists, update 1986 [letter] Applebaum M. **AJR** 1987 Apr;148(4):830-1

The American Board of Radiology to consider added qualifications. Rogers LF. **AJR** 1986 Dec;147(6):1324-6

Proceedings of the British Institute of Radiology: The assurance of quality in medical imaging. London, May 21, 1986. Abstracts. **Br J Radiol** 1987 Mar;60(711):305-8

Interventional radiology: challenges and initiatives. Becker GJ. **Radiology** 1986 Nov;161(2):562-6

TRENDS

Malpractice and radiologists, update 1986: an 11.5-year perspective. Berlin L. **AJR** 1986 Dec;147(6):1291–8
Academic radiology: a personal reflection on past and future challenges. Bragg DG. **AJR** 1987 Jun;148(6):1269–71
The future of interventional radiology [letter] Cragg AH. **AJR** 1987 Jun;148(6):1273–4
Technological volatility and the aging radiologist. Davidson AJ. **AJR** 1986 Dec;147(6):1322–3
Decreasing numbers of gastrointestinal studies: report of data from 69 radiologic practices. Gelfand DW, et al. **AJR** 1987 Jun;148(6):1133–6
Should radiologists perform endoscopy? Shorvon P, et al. **AJR** 1986 Nov;147(5):1078–81
The current state of residency and fellowship training programs in pulmonary and cardiac radiology. Steiner RM, et al. **AJR** 1987 Jun;148(6):1081–5
Aubrey O. Hampton lecture. Subspecialization in radiology: response to a need. Taveras JM. **AJR** 1987 Mar; 148(3):465–9
Interventional radiology. Rickards D. **Br Med Bull** 1986 Jul; 42(3):325–9 (28 ref.)
Parrish lecture: new horizons in GI radiology. Stevenson GW. **J Can Assoc Radiol** 1986 Dec;37(4):261–72
Radiology and the Health Policy Agenda for the American People. MacEwan DW. **Radiology** 1987 May;163(2):559–63
Diagnostic radiology: usage and trends in the United States, 1964–1980. Mettler FA Jr. **Radiology** 1987 Jan;162(1 Pt 1):263–6
Critical analysis of radiologist–patient interaction. Morris KJ, et al. **Radiology** 1987 May;163(2):565–7
Interventional radiology: reflections and expectations. The 1985 Eugene P. Pendergrass new horizons lecture. White RI Jr. **Radiology** 1987 Mar;162(3):593–600 (53 ref.)
[Medical imaging in Tunisia. The men and equipment. The results of a national survey. An assessment and future prospects] Gharbi HA, et al. **Tunis Med** 1986 Jun–Jul; 64(6–7):553–9 (Eng. Abstr.) **(Fre)**
[Methodological bases for the control of competition in research in medical radiology] Gorbushin NG. **Med Radiol (Mosk)** 1987 Feb;32(2):49–55 (Eng. Abstr.) **(Rus)**
[Developmental problems in pediatric roentgenology (for International Child Protection Day)] Filippkin MA. **Vestn Rentgenol Radiol** 1987 May–Jun;(3):5–8 **(Rus)**
[Methodological aspects in accelerating scientific and technical progress in roentgenology and radiology] Savchenko AP. **Vestn Rentgenol Radiol** 1986 Jul–Aug; (4):5–7 **(Rus)**

UTILIZATION

Usage of diagnostic imaging procedures: a nationwide hospital study. Bunge RE, et al. **Radiology** 1987 May; 163(2):569–73

RADIOLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

RADIOLOGY, DIAGNOSTIC X-RAY see **RADIOGRAPHY**

RADIOLOGY INFORMATION SYSTEMS see under **HOSPITAL INFORMATION SYSTEMS**

RADIOMETRY

Neutron dosimetry with detectors of finite size. I. Theory. Montelius A. **Acta Radiol [Oncol]** 1986 Jul–Dec; 25(4–6):295–301
Neutron dosimetry with detectors of finite size. II. Experiments and calculations. Montelius A, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):303–9
Survey instrument calibrations in high-energy photon fields [letter] Rogers DW. **Health Phys** 1986 Oct;51(4):555–6
A new method for thermal dosimetry in microwave hyperthermia using microwave radiometry for temperature control. Plancot M, et al. **Int J Hyperthermia** 1987 Jan–Feb; 3(1):9–19
Absolute kVp calibration using characteristic x-ray yields. Anderson DW, et al. **Med Phys** 1986 Sep–Oct;13(5):663–6
Clarification of the AAPM Task Group 21 protocol. Schulz RJ, et al. **Med Phys** 1986 Sep–Oct;13(5):755–9
Comments on "Photonuclear activation ratios in fluorine compounds; an index of bremsstrahlung quality" [letter] Weeks KJ, et al. **Med Phys** 1986 Sep–Oct;13(5):762–4
Auger-electron cascades, charge potential and microdosimetry of iodine-125. Booz J, et al. **Radiat Environ Biophys** 1987;26(2):151–62
Practical dosimetric aspects of blood and blood product irradiation. Fearon TC, et al. **Transfusion** 1986 Sep–Oct; 26(5):457–9
[Activation of solid materials in a medical linear electron accelerator] Ewen K, et al. **Rontgenblatter** 1987 Jun; 40(6):185–90 (Eng. Abstr.) **(Ger)**

HISTORY

Early protection and radiological physics. Spiers FW. **Int J Radiat Biol** 1987 May;51(5):841–54

INSTRUMENTATION

A survey-instrument design for accurate beta dosimetry. Graham CL. **Health Phys** 1987 Apr;52(4):485–9
A low-energy photon detector for the radioassay of Pu or Am in biological samples. Guilmette RA. **Health Phys** 1986 Dec;51(6):797–803
Radiometric detection of bacteria. Khurshid SJ, et al. **JPMA** 1987 Feb;37(2):34–8
Replacement correction factors for electron measurements with a parallel-plate chamber. Casson H, et al. **Med Phys** 1987 Mar–Apr;14(2):216–7
Cylindrical chamber dimensions and the corresponding values of Awall and Ngas/(NxAion). Gastorf R, et al. **Med Phys** 1986 Sep–Oct;13(5):751–4
The polarity effect for commercially available plane-parallel ionization chambers. Gerbi BJ, et al. **Med Phys** 1987 Mar–Apr;14(2):210–5
Ngas determination for a parallel-plate ion chamber. Krithivas G, et al. **Med Phys** 1986 Sep–Oct;13(5):674–7
Determinations of Ngas and Prepl factors from commercially available parallel-plate chambers: AAPM Task Group 21 protocol [published erratum appears in Med Phys 1987 May–Jun;14(3):425] Kubo H, et al. **Med Phys** 1986 Nov–Dec;13(6):908–12
Comments on the 60Co graphite/air stopping-power ratio used in the AAPM TG21 protocol. Rogers DW, et al. **Med Phys** 1986 Nov–Dec;13(6):964–6
Characteristics of commercial radiometers. Stanley PE. **Methods Enzymol** 1986;133:587–603
Initial testing and quality control for radionuclide dose calibrators. Committee on Standardization of Nuclear Medicine Instrumentation, American College of Nuclear Physicians. Weber DA, et al. **Nucl Med Commun** 1986 Jul; 7(7):555–65
Synthetic diamonds as ionisation chamber radiation detectors in biological environments. Keddy RJ, et al. **Phys Med Biol** 1987 Jun;32(6):751–9
Implementation of random positioning error in computerised radiation treatment planning systems as a result of fractionation. Leong J. **Phys Med Biol** 1987 Mar; 32(3):327–34
Dosimetry with a water calorimeter in a p(62) + Be neutron beam. Williams JR, et al. **Phys Med Biol** 1987 Mar; 32(3):403–5
Calorimetric measurement of the carbon kerma factor for 14.6-MeV neutrons. McDonald JC. **Radiat Res** 1987 Jan; 109(1):28–35
About the rate of temperature changes in a thimble chamber. van der Giessen PH. **Radiother Oncol** 1986 Nov;7(3):287–91
[Measurement of low-energy doses using the FBX-dosimeter] Schmidt HJ, et al. **Radiobiol Radiother (Berl)** 1987;28(1):77–81 (Eng. Abstr.) **(Ger)**
[Instrumentation physics in medicine: thermometry by microwave radiometry] Mizushina S, et al. **Iyodenshi To Seitai Kogaku** 1986 Oct;24(6):443–7 **(Jpn)**

METHODS

Determination of minimal inhibitory concentrations of antituberculosis drugs by radiometric and conventional methods. Lee CN, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):349–52
A convenient radiometric assay for flavin-containing monooxygenase activity. Cashman JR. **Anal Biochem** 1987 Feb 1;160(2):294–300
Immunoradiometric quantitation of tissue plasminogen activator-related antigen in human plasma: crypticity phenomenon and relationship to plasma fibrinolysis. Wun TC, et al. **Blood** 1987 May;69(5):1348–53
A method of obtaining neutron dose and dose equivalent from digital measurements and analysis of recoil-particle tracks. Bolch WE, et al. **Health Phys** 1987 Sep;53(3):241–53
Serendipitous dosimetry—an opportunity and an opportunity lost. Fleischer RL. **Health Phys** 1987 Feb;52(2):219–21
Photo-energy calibration of 6LiI(Eu) crystals in mixed radiation fields using 24Na. Sun RK. **Health Phys** 1987 Aug;53(2):191–6
Dosimetry concepts and measurements in food irradiation processing. Chadwick KH, et al. **Int J Rad Appl Instrum [A]** 1986;37(1):47–52
Source-surface distance and source-axis distance beam data acquisition. Barish RJ, et al. **Med Phys** 1986 Nov–Dec; 13(6):959–61
Determination of nominal accelerating potential. Nizin P, et al. **Med Phys** 1986 Nov–Dec;13(6):961–2
A system for solar radiation data storage and analysis. Moseley H, et al. **Photodermatol** 1986 Aug;3(4):249–55
Apparatus for direct counting of beta-rays from two-dimensional protein gels: measurement of changes in protein synthesis due to changes in density of Chinese hamster ovary cells. Anderson HL, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4749–53
Dependence of absorbed dose along the radiation beam axis on depth and on radiation field for photons produced in linac Saturne II plus. Lobodziec W. **Strahlenther Onkol** 1987 May;163(5):340–2
Volume correction factor in time dose relationships in brachytherapy. Supe SJ, et al. **Strahlenther Onkol** 1987 May;163(5):309–13
Dose reconstruction of x-ray irradiation of the larynx. Takácsi-Nagy L, et al. **Strahlenther Onkol** 1987 May; 163(5):321–3
Solid phase immunoradiometric assay of activated human coagulation factor IX. Bom VJ, et al. **Thromb Res** 1987 Mar 1;45(5):661–7
[Clinically-oriented hints for the technic of integrated dosage modification in a partial irradiation field] Brix F, et al. **Strahlenther Onkol** 1987 May;163(5):324–9 (Eng. Abstr.) **(Ger)**
[Presentation of a new partial-field blocker for breast-preserving therapy of breast carcinoma] Brix F, et al. **Strahlenther Onkol** 1987 May;163(5):314–20 (Eng. Abstr.) **(Ger)**
[Comparison between 2 methods of determining photon-induced air activity around medical accelerators] Gripp S, et al. **Strahlenther Onkol** 1987 Jun;163(6):400–2 (Eng. Abstr.) **(Ger)**
[Studies on the need for dose calculation on various planes of the target volume] Richter E. **Strahlenther Onkol** 1987 Jun;163(6):403–9 (Eng. Abstr.) **(Ger)**
[Leakage neutrons and X-rays in a therapeutic microtron facility] Ishimatsu K, et al. **Radioisotopes** 1986 Jul; 35(7):375–8 (Eng. Abstr.) **(Jpn)**

STANDARDS

Effects of varying geometry on dose calibrator response: cobalt-57 and technetium-99m. Calhoun JM, et al. **J Nucl Med** 1987 Sep;28(9):1478–83
[Mandatory calibration of dosimeters used in radiotherapy] Engelke BA, et al. **Strahlenther Onkol** 1987 Feb; 163(2):94–102 (Eng. Abstr.) **(Ger)**

VETERINARY

[Basic principles of the measurement and effect of radioactivity] Kirchhoff K. **DTW** 1987 Jun 9;94(6):351–4 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE ANGIOGRAPHY

Exercise radionuclide assessment of left ventricular function before and after coronary bypass surgery. Lewis RL, et al. **Angiology** 1987 Aug;38(8):601–8
Noninvasive findings in patients with hypertrophic and dilative cardiomyopathy: a combined echocardiographic and radionuclide angiographic study. Bryhn M, et al. **Clin Cardiol** 1986 Nov;9(11):537–43
Superior vena cava syndrome and bilateral subclavian vein thrombosis. CT and radionuclide venography correlation. Conte FA, et al. **Clin Nucl Med** 1986 Oct;11(10):698–700
Splenic "disappearance" during gated exercise nuclear angiocardiography. Gates GF, et al. **Clin Nucl Med** 1986 Oct;11(10):683–7
Sensitivity and specificity of radionuclide equilibrium angiocardiography for detection of hemodynamically significant secundum atrial septal defect. Brunotte F, et al. **Eur J Nucl Med** 1986;12(9):468–70
Comparison of radionuclide angiocardiography and 201-Tl-scintigraphy [letter] Fridrich L, et al. **Eur J Nucl Med** 1986;12(7):363–4
Comparison of left ventricular diastolic function as determined by nuclear cardiac probe, radionuclide angiography, and contrast cineangiography. Seals AA, et al. **J Nucl Med** 1986 Dec;27(12):1908–15
Sensitivity, specificity, and prognostic significance of noninvasive testing for occult or known coronary disease. Beller GA, et al. **Prog Cardiovasc Dis** 1987 Jan–Feb; 29(4):241–70 (192 ref.)
[Impaired systolic performance of the left ventricle during exercise in patients with hypertrophic cardiomyopathy: an RI angiographic study] Ifuku M. **Kokyu To Junkan** 1986 Jun;34(6):665–72 (Eng. Abstr.) **(Jpn)**
[Radionuclide study of peripheral vascular diseases] Kawakami K, et al. **Rinsho Byori** 1986 Aug;34(8):893–900 **(Jpn)**
[Jugular venous reflux observed on radionuclide angiogram] Mashimo M, et al. **Rinsho Hoshasen** 1986 Jun;31(6):729–30 **(Jpn)**
[Bone metastases detected by radionuclide angiography] Suzuki K, et al. **Rinsho Hoshasen** 1986 Jul;31(7):841–2 **(Jpn)**
[Paradoxical stroke volume and phase analysis images in radionuclide ventriculography. Correlation with cineventriculography] Noguera EC, et al. **Medicina (B Aires)** 1986;46(6):686–92 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Nuclear ejection fraction measurements with a small crystal detector: methodological investigations. Brodin LA, et al. **Clin Physiol** 1987 Jun;7(3):217–29

METHODS

Right ventricular ejection fraction: comparison of technetium-99m first pass technique and ECG-gated steady state krypton-81m angiocardiography. Franken PR, et al. **Eur J Nucl Med** 1986;12(8):365–8
Radionuclide venography vs Tc-99m-RBC equilibrium angiography: a comparative paired study. Oster ZH, et al. **Eur J Nucl Med** 1987;13(4):174–82
Effects of projection and background correction method upon calculation of right ventricular ejection fraction using first-pass radionuclide angiography. Caplin JL, et al. **Int J Card Imaging** 1985;1(3):171–9
Radionuclide angiography in congenitally corrected transposition of the great vessels in an adult. Gal R, et

al. **J Nucl Med** 1987 Jan;28(1):116–8

RADIONUCLIDE GENERATORS

The strontium–82/rubidium–82 generator.
Int J Rad Appl Instrum [A] 1987;38(3):171–239

Preparation and evaluation of a hydrous tin(IV) oxide 82Sr/82Rb medical generator system for continuous elution. Brihaye C, et al. **Int J Rad Appl Instrum [A]** 1987; 38(3):213–7

Model for 82Sr/82Rb generator elution profiles: a secondary approach to radioassay/dosimetry. Dhawan V.
Int J Rad Appl Instrum [A] 1987;38(3):233–9

Radioanalysis of 82Rb generator eluates. Gennaro GP, et al. **Int J Rad Appl Instrum [A]** 1987;38(3):219–25

Experience with a 82Sr/82Rb generator for clinical use. Kensett MJ, et al. **Int J Rad Appl Instrum [A]** 1987; 38(3):227–31

Essentials of a rubidium–82 generator for nuclear medicine. Yano Y. **Int J Rad Appl Instrum [A]** 1987;38(3):205–11

Generator-produced yttrium–90 for radioimmunotherapy. Chinol M, et al. **J Nucl Med** 1987 Sep;28(9):1465–70

Physics experiment may cloud future of Los Alamos nuclear medicine program [news] Ketchum LE. **J Nucl Med** 1987 Sep;28(9):1371–8

[Biochemical utilization of the 42Ar–42K generator—measurement of specific K+ binding to Na+, K+–ATPase] Homareda H, et al. **Radioisotopes** 1986 Oct; 35(10):543–6 **(Jpn)**

[An automated setup for preparing an aqueous solution of radon] Gusarov II, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1987 May–Jun; (3):69–72 **(Rus)**

STANDARDS

[A new sterile generator of Tc 99m. Quality control] Bergamini C, et al. **Radiol Med (Torino)** 1987 Jul–Aug; 74(1–2):116–9 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

see related
SCINTILLATION COUNTING

Program schedule & abstracts. Society of Nuclear Medicine, 12th annual Western Regional Meeting. San Diego, California, October 22–25, 1987. **Clin Nucl Med** 1987 Sep; 12(9 Suppl):P1–26

Abstracts: Society of Nuclear Medicine, 11th annual Western Regional Meeting. Sparks, Nevada, October 9–12, 1986. **Clin Nucl Med** 1986 Sep;11(9 Suppl):P10–26

Methods and application of bone densitometry in clinical diagnosis. Wahner HW, et al.
CRC Crit Rev Clin Lab Sci 1986;24(3):217–33 (79 ref.)

Joint meeting of the Dutch Society of Nuclear Medicine and the Section for Nuclear and Radiation Chemistry of the Royal Dutch Chemical Society. March 14, 1986, Amersfoort, The Netherlands. Abstracts.
Eur J Nucl Med 1987;13(3):A5–7

Scientific meeting of the Dutch Society of Nuclear Medicine. November 15 and 16, 1985, Bunnik, The Netherlands. Abstracts. **Eur J Nucl Med** 1987;13(3):A1–7

Monte Carlo estimates of absorbed dose rate in various tissues and organs. Murase K, et al. **Eur J Nucl Med** 1987; 13(3):109–14

Surrogate modeling of the effect of object motion on image degradation in radioscintigraphy. Prince JR.
Eur J Nucl Med 1986;12(8):375–8

Enhancement of physiological factors in factor analysis of dynamic studies. Sámal M, et al. **Eur J Nucl Med** 1986; 12(5–6):280–3

Indium–111 leukocyte accumulation in intramuscular injection sites. Swayne LC, et al. **Eur J Nucl Med** 1986; 12(5–6):302–3

Proceedings of the 33rd annual meeting of the Society of Nuclear Medicine. June 22–25, 1986, Washington, D.C. Abstracts. **J Nucl Med** 1986 Jun;27(6):871–1077

Proceedings of the 34th annual meeting of the Society of Nuclear Medicine. June 2–5, 1987, Toronto, Ontario, Canada. Abstracts. **J Nucl Med** 1987 Apr;28(4 Suppl):557–736

Proceedings of the 32nd annual meeting of the Society of Nuclear Medicine. June 2–5, 1985, Houston, Texas. Abstracts. **J Nucl Med** 1985 May;26(5):P1–142

Comparative serum stability of radiochelates for antibody radiopharmaceuticals. Cole WC, et al. **J Nucl Med** 1987 Jan;28(1):83–90

The XXII National Congress of the Italian Society for Nuclear Biology and Medicine held in association with the VIII meeting of the Italian Association for Radiology and Nuclear Medicine. Palermo, Italy May 4–7, 1987. Abstracts of the communications. **J Nucl Med Allied Sci** 1987 Jan–Mar;31(1):7–172

Rotation to simple structure in factor analysis of dynamic radionuclide studies. Sámal M, et al. **Phys Med Biol** 1987 Mar;32(3):371–82

Clinician's guide to nuclear medicine imaging procedures. Pinsky SM. **Primary Care** 1974 Dec;1(4):707–30

RSNA (Radiological Society of North America) index to imaging literature. 1984–1986. **Radiology** 1987 Jan;Pt 2:1–519

[The production of medical imaging examinations: evaluation of available findings] Lefaure C, et al.
Cah Sociol Demogr Med 1986 Apr–Jun;26(2):111–31 **(Fre)**

[Symposium: New methods of research in clinical pharmacology. Paris, 19–20 March 1987. Abstracts]
Therapie 1987;Suppl:81–165 **(Fre)**

[Abstracts. Association des médecins spécialistes en médecine nucléaire du Québec. Annual colloquium—10th anniversary. 24 May 1986] **Union Med Can** 1986 May; 115(5):351–5 **(Fre)**

[Nuclear medicine. Scientific abstracts. 23d symposium of the Society for Nuclear Medicine of East Germany. Reinhardsbrunn, May 1986] **Radiol Diagn (Berl)** 1987; 28(2):231–69 **(Ger)**

[Treatment of acute cholecystitis, yesterday and today: the role of diagnostic research] Bartolotta M, et al.
Chir Ital 1987 Feb;39(1):96–102 (Eng. Abstr.) **(Ita)**

[Computerized processing of static scintigraphic gamma camera images. Experimental results and clinical applications] Ciambellotti E, et al. **Minerva Med** 1986 Sep 22;77(36):1593–9 (Eng. Abstr.) **(Ita)**

[The 26th congress of the Japanese Society of Nuclear Medicine. Kamogawa-shi, Chiba Prefecture, November 19–21, 1986. Abstracts] **Kaku Igaku** 1986 Sep; 23(9):1121–312 **(Jpn)**

[Recommendation on the standardization of image display for single photon emission computed tomography. Subcommittee for Standardization of Radionuclide Imaging, Medical and Pharmaceutical Committee: Japan Radioisotope Association] **Radioisotopes** 1986 Aug; 35(8):446–8 **(Jpn)**

ADVERSE EFFECTS

Intrathecal administration of radiopharmaceuticals for cisternography [letter] Ponto JA. **Clin Nucl Med** 1987 Apr; 12(4):339

INSTRUMENTATION

A simple design for an accurate uniformity phantom [letter] Bowring CS, et al. **Br J Radiol** 1987 Jan;60(709):101

Nonfunctional photomultiplier tubes can produce subtle total-body scan defects. Boudreau RJ, et al.
Clin Nucl Med 1987 Jul;12(7):554–5

A gamma camera system for atraumatic rCBF measurement using a new super high sensitivity collimator. Nakamura M, et al. **Eur J Nucl Med** 1987;12(10):503–9

The effect of an alloy filter on gamma camera images. Pillay M, et al. **Eur J Nucl Med** 1986;12(5–6):293–5

Effects of statistical noise and digital filtering on the parameters calculated from the impulse response function. Szabó Z, et al. **Eur J Nucl Med** 1987;13(3):148–54

Test of a versatile on-line distortion corrector for a gamma-camera. Hadjeris L, et al.
Int J Rad Appl Instrum [A] 1986;37(4):267–78

Acquisition of gamma camera and physiological data by computer. Hack SN, et al. **J Nucl Med** 1986 Nov; 27(11):1755–63

Acceptance testing and quality control of gamma cameras, including SPECT. Murphy PH. **J Nucl Med** 1987 Jul; 28(7):1221–7

Sensitivity of positron detection for a pair of opposed detectors compared with ring scanners using image reconstruction [letter] Strother S, et al. **J Nucl Med** 1986 Nov;27(11):1790–2

Detection efficiency of a high-pressure gas scintillation proportional chamber. Fahey FH, et al. **Med Phys** 1987 Jan–Feb;14(1):115–23

Automatic radiologic reporting system using speech recognition. Matumoto T, et al. **Med Prog Technol** 1987; 12(3–4):243–57

The implications of decreased performance of new generation gamma-cameras on the interpretation of 131I-Hippuran renal images. Zuckier LS, et al. **Nucl Med Commun** 1987 Jan;8(1):49–61

Noise analysis of scintillation camera images: stochastic and non-stochastic effects. Grossman LW, et al.
Phys Med Biol 1986 Sep;31(9):941–53

[Fundamental study of dual photon absorptiometry system using scintillation camera] Tomomitsu T, et al.
Kaku Igaku 1987 Feb;24(2):171–5 (Eng. Abstr.) **(Jpn)**

[Preparation of multiple-projection scintigrams of organs and systems on a single Polaroid film] Gabuniia RI, et al.
Med Radiol (Mosk) 1987 Jul;32(7):68–70 **(Rus)**

METHODS

Simultaneous pancreatic-renal transplant scintigraphy. Shulkin BL, et al. **AJR** 1986 Dec;147(6):1193–6

Noninvasive quantitation of the left heart by echocardiography and scintigraphy. Schiller NB, et al.
Cardiovasc Clin 1986;17(1):45–93

A reproducible radionuclide procedure for measurement of cerebrospinal fluid shunt flow. Lette J, et al.
Eur J Nucl Med 1986;12(5–6):240–3

Investigations of avidin and biotin for imaging applications. Hnatowich DJ, et al. **J Nucl Med** 1987 Aug;28(8):1294–302

Automated edge detection techniques in intracoronary thrombolysis [letter] Pillay M, et al. **J Nucl Med** 1987 Jan; 28(1):135

Clinical utility of imaging cell labels: radiolabeled red cells, white cells and platelets. Bianco JA.
J Nucl Med Allied Sci 1986 Apr–Sep;30(2–3):165–72 (48 ref.)

Methods and clinical applications of total body absorptiometry. Nuti R, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):213–21

Non-interventional background corrections for scintigrams. Nichols K, et al. **Phys Med Biol** 1987 May;32(5):605–13

Supine versus upright anterior images: comparison in T1-201 myocardial scintigraphy. Jacobson AF, et al. **Radiology** 1987 Jun;163(3):691–5

Parametric images as a tool for quantitative normative evaluation. Goris ML. **Semin Nucl Med** 1987 Jan; 17(1):18–27

[Immune scintigraphy with monoclonal antibodies. Experiences and prospects] Munz DL.
Dtsch Med Wochenschr 1987 Apr 17;112(16):649–54 (26 ref.) **(Ger)**

[The present status of clinical nuclear cardiology] Nishimura T. **Rinsho Hoshasen** 1986 Sep;31(9):983–92 (Eng. Abstr.) **(Jpn)**

[The microstructural analysis of scintigrams] Vidiukov VI, et al. **Med Radiol (Mosk)** 1987 Feb;32(2):21–7 (Eng. Abstr.) **(Rus)**

TRENDS

[Recent trend of medical imaging technology—emphasis on radionuclide imaging] Iinuma TA. **Radioisotopes** 1987 Mar; 36(3):137–44 (18 ref.) **(Jpn)**

[Current status and developmental outlook of radiodiagnostic research in cardiology] Sergienko VB. **Kardiologiia** 1987 Apr;27(4):5–7 **(Rus)**

[Interventional radionuclide diagnosis] Koroliuk IP.
Med Radiol (Mosk) 1987 Jun;32(6):81–4 (0 ref.) **(Rus)**

UTILIZATION

Analytical modeling of worldwide medical radiation use. Mettler FA Jr, et al. **Health Phys** 1987 Feb;52(2):133–41

Imaging the heart: cardiac scintigraphy and echocardiography in U.S. hospitals (1983). McPhee SJ, et al. **J Nucl Med** 1986 Oct;27(10):1635–41

A general comparison of functional imaging in nuclear medicine with other modalities. Adam WE.
Semin Nucl Med 1987 Jan;17(1):3–17 (58 ref.)

[Structure of radioisotope diagnosis in in vivo examinations conducted in Poland] Nowak B, et al.
Pol Przegl Radiol (Warszawa) 1986 Jan–Feb;50(1):27–31 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, EMISSION COMPUTED**

RADIONUCLIDES see **RADIOISOTOPES**

RADIOPAQUE MEDIA see **CONTRAST MEDIA**

RADIORECEPTOR ASSAY see **RADIOLIGAND ASSAY**

RADIOSENSITIVITY see **RADIATION TOLERANCE**

RADIOTHERAPY

Growing points in radiotherapy since 1930. The 65th Mackenzie Davidson memorial lecture 1984. Ellis F.
Br J Radiol 1987 Jan;60(709):51–68 (88 ref.)

Immunological status in cervical cancer in relation to pelvic irradiation. Chandra M, et al. **Indian J Med Res** 1986 Oct; 84:413–7

Radiation and platinum drug interaction [letter] Golding RP, et al. **Int J Radiat Biol** 1986 Nov;50(5):945–6

Tolerance: a useful concept in radiation therapy [letter] Schultheiss TE. **Int J Radiat Oncol Biol Phys** 1987 Mar; 13(3):470

Radiotherapy for patients with cardiac pacemakers: possible risks [letter] **PACE** 1986 Nov;9(6 Pt 1):919–22

Radiotherapy in Papua New Guinea. Matthews C.
Radiography 1986 Sep–Oct;52(605):249–51

Intraoperative radiotherapy. Taylor HF. **Radiol Technol** 1982 Sep–Oct;54(1):23–5

RSNA (Radiological Society of North America) index to imaging literature. 1984–1986. **Radiology** 1987 Jan;Pt 2:1–519

Quality assurance in radiation therapy: systematic evaluation of errors during the treatment execution. Blanco S, et al.
Radiother Oncol 1987 Mar;8(3):253–61

An explanatory hypothesis for early- and late-effect parameter values in the LQ model. Schultheiss TE, et al.
Radiother Oncol 1987 Jul;9(3):241–8

Experimental studies on interactions of radiation and cancer chemotherapeutic drugs in normal tissues and a solid tumour. von der Maase H. **Radiother Oncol** 1986 Sep; 7(1):47–68

[From the explanatory to the pragmatic] Flamant R.
Bull Cancer (Paris) 1987;74(2):169–76 (Eng. Abstr.) **(Fre)**

[Combination of anthracyclines with radiotherapy. Value and problems] Gindrey B, et al. **Pathol Biol (Paris)** 1987 Jan; 35(1):54–60 (Eng. Abstr.) **(Fre)**

[Scientific symposium with international participation: "Advances in Radiology". On the 60th anniversary of the founding of the Radiology Clinic and the opening of the new Radiation Therapy Center. Karl-Marx-Stadt, 29–31 May 1985. Abstracts] **Radiobiol Radiother (Berl)** 1986; 27(6):805–21 **(Ger)**

[Radiobiological rationale of neutron radiotherapy] Masuda K, et al. **Fukuoka Igaku Zasshi** 1986 Dec;77(12):641–50 (65 ref.) **(Jpn)**

[Registration of patients undergoing radiotherapy] Hamada M, et al. **Gan No Rinsho** 1987 Mar;Spec No:183–90 **(Jpn)**

[Contribution of CT and MRI to radiation therapy] Irie G, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1515–8 (Eng. Abstr.) **(Jpn)**

[Radiation therapy of non-tumor diseases at polyclinics] Musarova AV, et al. **Sov Med** 1987;(3):104–6 **(Rus)**

ADVERSE EFFECTS

Thyroid function after postoperative radiation therapy in patients with breast cancer. Joensuu H, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):167–70

Pathological tissue changes following intraoperative radiotherapy. Sindelar WF, et al. **Am J Clin Oncol** 1986 Dec;9(6):504–9

Acute nonlymphocytic leukemia after treatment of small cell lung cancer. Johnson DH, et al. **Am J Med** 1986 Dec; 81(6):962–8

Runaway atrioventricular sequential pacemaker after radiation therapy. Lee RW, et al. **Am J Med** 1986 Nov; 81(5):883–6

Left main coronary artery stenosis following mediastinal irradiation. Radwaner BA, et al. **Am J Med** 1987 May; 82(5):1017–20

Preoperative irradiation potentiation with cisplatin: effect on rate of wound infection. Morain WD, et al. **Am J Surg** 1986 Oct;152(4):446–50

Dermatologic radiotherapy. The risk–benefit ratio [editorial] Goldschmidt H. **Arch Dermatol** 1986 Dec;122(12):1385–8

Incidence of malignant skin tumors in 14,140 patients after grenz-ray treatment for benign skin disorders. Lindelöf B, et al. **Arch Dermatol** 1986 Dec;122(12):1391–5

Effect of spinal irradiation on growth. Shalet SM, et al. **Arch Dis Child** 1987 May;62(5):461–4

Surgical therapy of radiation-induced small-bowel lesions. Report of 34 cases with a high share of patients with combined chemotherapy. Miholic J, et al. **Arch Surg** 1987 Aug;122(8):923–6

Hypothyroidism and Graves' disease after mantle irradiation: a follow up study. Mortimer RH, et al. **Aust NZ J Med** 1986 Jun;16(3):347–51

Carcinoma of the oesophagus after radiotherapy for Hodgkin's disease. Jones DA, et al. **Br J Radiol** 1985 Nov; 58(695):1131

The impact of treatment errors on post-operative radiotherapy for testicular tumours. Pearcey RG, et al. **Br J Radiol** 1985 Oct;58(694):1003–5

Necrosis of the rectum complicating abdominal aortic reconstructions in previously irradiated patients. Harling H, et al. **Br J Surg** 1986 Sep;73(9):711

Use of the small bowel patch in reconstructive procedures involving irradiated tissue. Mealy K, et al. **Br J Surg** 1986 Dec;73(12):1003

Effectiveness of pilocarpine in postradiation xerostomia. Greenspan D, et al. **Cancer** 1987 Mar 15;59(6):1123–5

Cardiac disease after mediastinal irradiation for seminoma. Lederman GS, et al. **Cancer** 1987 Aug 15;60(4):772–6

An excess of uterine sarcomas after pelvic irradiation. Meredith RF, et al. **Cancer** 1986 Nov 1;58(9):2003–7

Radiation-induced angiosarcoma. Nanus DM, et al. **Cancer** 1987 Aug 15;60(4):777–9 (24 ref.)

Late cardiac effects of mediastinal radiotherapy in patients with Hodgkin's disease. Pohjola-Sintonen S, et al. **Cancer** 1987 Jul 1;60(1):31–7

Brain tumors after cranial irradiation for childhood acute lymphoblastic leukemia. A 13-year experience from the Dana-Farber Cancer Institute and the Children's Hospital. Rimm IJ, et al. **Cancer** 1987 Apr 15;59(8):1506–8 (26 ref.)

Bizarre (pseudomalignant) granulation-tissue reactions following ionizing-radiation exposure. A microscopic, immunohistochemical, and flow-cytometric study. Weidner N, et al. **Cancer** 1987 Apr 15;59(8):1509–14

Radiation necrosis causing failure of automatic ventilation during sleep with central sleep apnea. Udwadia ZF, et al. **Chest** 1987 Sep;92(3):567–9

Hypothalamic hypopituitarism following cranial irradiation for nasopharyngeal carcinoma. Lam KS, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):643–51

Secondary myelodysplastic syndromes and leukaemias. Levine EG, et al. **Clin Haematol** 1986 Nov;15(4):1037–80 (155 ref.)

Spinal cord compression secondary to kyphosis associated with radiation therapy for metastatic disease. Lord CF, et al. **Clin Orthop** 1986 Sep;(210):120–7

Assessment of the effect of chemotherapy and radiotherapy on the auditory function of children with cancer. Kingston JE, et al. **Clin Otolaryngol** 1986 Dec;11(6):403–9

Treatment of post-radiotherapy telangiectasia by injection sclerotherapy. Gordon AB, et al. **Clin Radiol** 1987 Jan; 38(1):25–6

Second malignant neoplasms after childhood cancer: a report of three cases of osteogenic sarcoma. Ironside JA. **Clin Radiol** 1987 Mar;38(2):195–9

Pathogenesis of the late-side effects of radiotherapy [letter] Ludgate CM. **Clin Radiol** 1987 Jan;38(1):105–6

Short term morbidity and cosmesis following lumpectomy and radical radiotherapy for operable breast cancer. Read PE, et al. **Clin Radiol** 1987 Jul;38(4):371–3

Fat necrosis of the breast: an unusual complication of lumpectomy and radiotherapy in breast cancer. Rostom AY, et al. **Clin Radiol** 1987 Jan;38(1):31

Fat necrosis of the breast following radiotherapy [letter] Staples J. **Clin Radiol** 1987 Jul;38(4):455–6

Benign thymic cyst following mantle radiotherapy for Hodgkin's disease. Veeze-Kuijpers B, et al. **Clin Radiol** 1987 May;38(3):289–90

Subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast. Wilson CB, et al. **Clin Radiol** 1987 Jan;38(1):95–6

Medical management of radiation enteritis—an algorithmic guide. Zentler-Munro PL, et al. **Clin Radiol** 1987 May; 38(3):291–4

Safety of x-ray therapy [editorial] Epstein E. **Cutis** 1987 May; 39(5):373–6

Gastroparesis after radiation. Successful treatment with carbachol. Layer P, et al. **Dig Dis Sci** 1986 Dec; 31(12):1377–80

Present day role of plastic surgery in management of chronic radiation wounds: our experience. Galli A, et al. **Eur J Surg Oncol** 1987 Jun;13(3):239–46

Simple method for the management of hematuria caused by radiation or cytoxan. Livne PM, et al. **Eur Urol** 1987; 13(3):180–1

Right hemicolectomy and ileal resection with primary reanastomosis for irradiation injury of the terminal ileum. Hoskins WJ, et al. **Gynecol Oncol** 1987 Feb;26(2):215–24

Toxicity of whole abdominal irradiation after operation, combination chemotherapy, and reoperation in advanced epithelial ovarian cancer [letter] Shetty MR. **Gynecol Oncol** 1987 Mar;26(3):403–4

Growth of children with acute lymphocytic leukemia: preliminary results. Lippens RJ, et al. **Hamatol Bluttransfus** 1987;30:427–31

Treatment of radiation-induced alopecia. Jacobs JB, et al. **Head Neck Surg** 1979 Nov–Dec;2(2):154–9

Growth hormone release in children after cranial irradiation. Lannering B, et al. **Horm Res** 1987;27(1):13–22

Mucus producing adenopapillary carcinoma of the parotid gland in an irradiated neck (a case report). Krishna A, et al. **Indian J Cancer** 1985 Jun;22(2):162–6

Dental management of the irradiated patient. Master SB, et al. **Indian J Cancer** 1986 Mar;23(1):5–13

Failure of root development of human permanent teeth following irradiation. Takeda Y, et al. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):376–82

Serum tissue polypeptide antigen (TPA): a marker of acute injury of salivary glands during radiation therapy. Becciolini A, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1339–42

Could amiodarone increase acute cutaneous and mucosal toxicity of radiotherapy? [letter] Demange L, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):289

Hemoglobin, radiation, morbidity and survival. Dische S, et al. **Int J Radiat Oncol Biol Phys** 1986 Aug;12(8):1335–7

Time–dose relationships for local tumor control and complications following irradiation of squamous cell carcinoma of the base of tongue. Gardner KE, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):507–10

Procedural and operator error aspects of radiation accidents in radiotherapy. Karzmark CJ. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1599–602

Symptomatic hypothalamic–pituitary dysfunction in nasopharyngeal carcinoma patients following radiation therapy: a retrospective study. Lam KS, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1343–50

Optimization of radiation therapy, III: A method of assessing complication probabilities from dose–volume histograms. Lyman JT, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan; 13(1):103–9

Acute radiation-induced pulmonary damage: a clinical study on the response to fractionated radiation therapy. Mah K, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):179–88

Correlation of radiotherapeutic parameters and treatment related morbidity in carcinoma of the prostate—analysis of RTOG study 75–06. Pilepich MV, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):351–7

Effect of latency on calculated complication rates. Schultheiss TE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1861–5

Survival in radiation myelopathy. Schultheiss TE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1765–9

Radiotherapy in multiple fractions per day for prostatic carcinoma: late complications. Vanuytsel L, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1589–95

Minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease. Watchie J, et al. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):517–24

Renal complications secondary to radiation treatment of upper abdominal malignancies. Willett CG, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1601–4

Lymphangioma circumscriptum following mastectomy and radiation therapy. Leshin B, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1117–9

Prevention and treatment of the orofacial complications of radiotherapy. Rothwell BR. **J Am Dent Assoc** 1987 Mar; 114(3):316–22

Differentiation of cerebral radiation necrosis from tumor recurrence by [18F]FDG and 82Rb positron emission tomography. Doyle WK, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):563–70

Post mastectomy pain after brachial plexus palsy: metastases or radiation neuritis? Hoang P, et al. **J Hand Surg [Br]** 1986 Oct;11(3):441–3

Endocrine complications after radiotherapy for tumors of the head and neck. Samaan NA, et al. **J Lab Clin Med** 1987 Mar;109(3):364–72

Hyponatraemia and hypothyroidism in a previously irradiated case of carcinoma of the tongue. Nasser NA, et al. **J Laryngol Otol** 1987 Jul;101(7):685–8

Oral implications of radiotherapy and chemotherapy. Konzelman JL Jr. **J Oral Med** 1983 Apr–Jun;38(2):76–8

Periodontium destruction associated with oncology therapy. Five case reports. Wright WE. **J Periodontol** 1987 Aug; 58(8):559–63

Pulp innervation after radiation therapy. Knowles JC, et al. **J Prosthet Dent** 1986 Dec;56(6):708–11

Radiation-induced bowel damage following treatment for uterine carcinoma [letter] Hudson CN. **J R Soc Med** 1987 May;80(5):327–8

Comparative toxicity of total lymphoid irradiation and immunosuppressive drug treated patients with intractable rheumatoid arthritis. Sherrer Y, et al. **J Rheumatol** 1987 Feb;14(1):46–51

Microplication patterns on human buccal epithelia following radiotherapy: a scanning electron microscopic analysis. Robertson AG, et al. **J Submicrosc Cytol** 1987 Jul; 19(3):515–21

Radiation after pelvic lymphadenectomy: effect on morbidity. Babaian RJ, et al. **J Surg Oncol** 1987 Jan; 34(1):36–8

Radiation-associated thyrotoxicosis. Katayama S, et al. **J Surg Oncol** 1986 Oct;33(2):84–7

Irradiation damage to the lung. Fennessy JJ. **J Thorac Imaging** 1987 Jul;2(3):68–79

Successful management of radiation cystitis with sodium pentosanpolysulfate. Parsons CL. **J Urol** 1986 Oct; 136(4):813–4

Serum type III procollagen peptide: indicator for pulmonary fibrosis. I. A tool for early detection of pulmonary fibrosis as a complication in cancer therapy. Okazaki I, et al. **Keio J Med** 1986 Jun;35(2):107–15

Haemorrhagic cystitis after radiotherapy [editorial] **Lancet** 1987 Feb 7;1(8528):304–6

Radiation myelopathy: a review. Goldwein JW. **Med Pediatr Oncol** 1987;15(2):89–95 (56 ref.)

Neuro-ocular damage in pediatric oncology patients: predictor of long-term visual disability or tool for limiting toxicity? Newman NM, et al. **Med Pediatr Oncol** 1986; 14(5):262–70

Health status of young children with cancer following discontinuation of therapy. Pastore G, et al. **Med Pediatr Oncol** 1987;15(1):1–6

Skin-sparing effects of neutron beam filtering materials. Otte VA, et al. **Med Phys** 1987 Jul–Aug;14(4):670–3

Exposure of nuclear medicine patients to ionizing radiation is associated with rises in HPRT- mutant frequency in peripheral T-lymphocytes. Seifert AM, et al. **Mutat Res** 1987 May;191(1):57–63

Bone sarcomas linked to radiotherapy and chemotherapy in children. Tucker MA, et al. **N Engl J Med** 1987 Sep 3; 317(10):588–93

Synergistic effect of sialagogues in management of xerostomia after radiation therapy. Epstein JB, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):179–82

Childhood irradiation of pharyngeal lymphoid tissue: management considerations. Strome M. **Otolaryngol Clin North Am** 1987 May;20(2):377–81

Radiation damage to pacemakers from radiotherapy. Venselaar JL, et al. **PACE** 1987 May;10(3 Pt 1):538–42

Meningioma following cranial irradiation. Hill SA. **Postgrad Med J** 1986 Aug;62(730):741–2

Myocardial hypertrophy, fibrosis and infarction following exposure of the heart to radiation for Hodgkin's disease. O'Donnell L, et al. **Postgrad Med J** 1986 Nov; 62(733):1055–8

A comparative study between individuals receiving thymic irradiation in infancy and their nontreated siblings: clinical and laboratory thyroid abnormalities. Hildreth NG, et al. **Radiat Res** 1987 Jun;110(3):458–67

An animal model of pulmonary radiation fibrosis with biochemical, physiologic, immunologic, and morphologic observations. Karvonen RL, et al. **Radiat Res** 1987 Jul; 111(1):68–80

Aseptic necrosis of the femoral head following treatment of malignant lymphomas. Kuhn E, et al. **Radiobiol Radiother (Berl)** 1986;27(5):571–6

Radiation appendicitis: demonstration with graded compression US. Puylaert JB, et al. **Radiology** 1987 Aug; 164(2):342

Alpha/beta value and the importance of size of dose per fraction for late complications in the supraglottic larynx. Maciejewski B, et al. **Radiother Oncol** 1986 Dec;7(4):323–6

The value of the NSD formula in equation of acute and late radiation complications in normal tissue following 2 and 5 fractions per week in breast cancer patients treated with postmastectomy irradiation. Overgaard M, et al. **Radiother Oncol** 1987 May;9(1):1–11

Long-term bladder symptomatology following radiotherapy for cervical carcinoma. Parkin DE, et al. **Radiother Oncol** 1987 Jul;9(3):195–9

Lens dosimetry of radiotherapy treated patients: punctate lens opacity increase as a possible index of radiation exposure.

Arcovito G, et al. **Rays** 1987 Jan-Apr;12(1):89-96

Is it possible further to reduce sequelae from radiotherapy in the treatment of Hodgkin's disease? Basso Ricci S. **Rays** 1986 May-Aug;11(2):93-100

Sarcomas of the soft tissues and bones induced by radiotherapy; a report of 10 cases. Basso-Ricci S. **Rays** 1985 May-Aug;10(2):125-9

The incidence of long-term side effects--in particular induced leukemias following treatment for Hodgkin's disease. De Renzis C, et al. **Rays** 1986 May-Aug; 11(2):109-13

Radiation induced carcinoma of the anus. LaFerla GA, et al. **Scott Med J** 1987 Jun;32(3):88-9

Some recent statistical analyses of two long-term studies of exposure to ionizing radiation. Darby SC. **Stat Med** 1986 Sep-Oct;5(5):539-46

Comparison of chromosome aberration frequency before and after administration of 131I in two groups of thyroid cancer patients. Ardito G, et al. **Tumori** 1987 Jun 30;73(3):257-62

[Late post-irradiation changes after treatment of malignant tumors in children] Abrahámová J, et al. **Cesk Radiol** 1987 Jan;41(1):14-21 (Eng. Abstr.) **(Cze)**

[Sternal pseudarthrosis in irradiated patients. Repairing by the pectoralis major myocutaneous flap] Freidel M, et al. **Ann Chir Plast Esthet** 1986;31(3):241-4 (Eng. Abstr.) **(Fre)**

[Sequelae of childhood radiotherapy of the orbito-fronto-nasal area: simultaneous lacrimal anastomoses and bone reconstruction] Réal JP. **Ann Chir Plast Esthet** 1986;31(3):296-300 (Eng. Abstr.) **(Fre)**

[Secondary effects of radiotherapy on the oral tissue of children] Kanafani R. **Can Dent Assoc J** 1986 Oct; 52(10):859-61 (Eng. Abstr.) **(Fre)**

[Cutaneous angiosarcoma of the breast following surgery and irradiation of breast adenocarcinoma] Body G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):479-83 (Eng. Abstr.) **(Fre)**

[Malignant fibrous histiocytoma. Post-irradiation complication of Hodgkin's disease? (letter)] Simony J, et al. **Presse Med** 1987 Jun 6;16(21):1057-8 **(Fre)**

[Evaluation of salivary and gustatory disorders after radiotherapy of head and neck neoplasms] Deneufbourg JM, et al. **Rev Med Liege** 1986 Sep 1;41(17):649-54 **(Fre)**

[Pulmonary toxicity of antimitotic agent-radiotherapy combination] Cosset JM, et al. **Therapie** 1986 Jul-Aug; 41(4):293-6 (Eng. Abstr.) **(Fre)**

[Anterior wall infarct in an 18-year-old patient with Hodgkin's disease. Possible relation between mediastinal irradiation, accelerated arteriosclerosis and vincristine chemotherapy] Voelker W, et al. **Dtsch Med Wochenschr** 1987 Jul 31;112(31-32):1216-9 (Eng. Abstr.) **(Ger)**

[Morphological changes in the duct system of the parotid gland due to irradiation of malignant mouth tumors] Stoll P, et al. **Fortschr Kiefer Gesichtschir** 1987;32:64-6 **(Ger)**

[Toxicogenetic risks caused by radiation and cytostatic drugs] Rüdiger HW. **Fortschr Med** 1987 May 20;105(15):283-6 (Eng. Abstr.) **(Ger)**

[Radiogenic sarcoma] Guseva LI, et al. **Radiobiol Radiother (Berl)** 1986;27(5):567-70 (Eng. Abstr.) **(Ger)**

[Long-term sequelae in the kidneys following abdominal irradiation of advanced malignant ovarian tumors] Prager W, et al. **Radiobiol Radiother (Berl)** 1986;27(3):341-5 (Eng. Abstr.) **(Ger)**

[Radiobiological limits in conventional after-irradiation of breast cancer. Addition 1: Estimation of spatial dose distribution in conventional roentgen depth-therapy] Schmidt KP. **Radiobiol Radiother (Berl)** 1986;27(4):441-4 **(Ger)**

[Radiobiological limits in conventional after-irradiation of breast cancer. Addition 2: Statistical analysis of radiation effects represented in II and III] Tabbert E, et al. **Radiobiol Radiother (Berl)** 1986;27(4):445 **(Ger)**

[Acute encephalopathy following cranial irradiation of previously treated meningeal leukemia] Bode U, et al. **Strahlenther Onkol** 1986 Oct;162(10):618-20 (Eng. Abstr.) **(Ger)**

[Iatrogenic radiogenic tumors. Observations on the incidence of tumors in the irradiation field following x-ray therapy] Kegel W, et al. **Strahlenther Onkol** 1986 Aug;162(8):484-7 (Eng. Abstr.) **(Ger)**

[Changes in the chest x-ray following postoperative irradiation of breast cancer] Scheier M, et al. **Strahlenther Onkol** 1987 Feb;163(2):103-8 (Eng. Abstr.) **(Ger)**

[The heart in radiation and cytostatic antiblastic therapy] Masini V. **Cardiologia** 1986 May;31(5):345-9 **(Ita)**

[Postactinic dental complications: radiotherapy involvement in Gougerot-Sjögren syndrome] Catalano E, et al. **Minerva Stomatol** 1986 Dec;35(12):1209-16 (73 ref.) (Eng. Abstr.) **(Ita)**

[Radiological aspect of the irradiated lung] Guzzon A, et al. **Radiol Med (Torino)** 1986 Oct;72(10):743-59 (80 ref.) **(Ita)**

[Late myelopathy caused by ionizing radiation. Considerations on 3 cases] Barontini F, et al. **Riv Patol Nerv Ment** 1984 May-Jun;105(3):119-26 (Eng. Abstr.) **(Ita)**

[Subacute brain atrophy induced by radiation therapy of malignant brain tumors] Asai A, et al. **Gan No Rinsho** 1987 Jun;33(7):753-61 (Eng. Abstr.) **(Jpn)**

[Application of the life table method to the estimation of late complications of normal tissues after radiotherapy] Morita K, et al. **Gan No Rinsho** 1987 Jun;33(6):685-91 (Eng. Abstr.) **(Jpn)**

[Adverse effects of radiotherapy and their treatment] Nakano M, et al. **Gan No Rinsho** 1987 Mar;Spec No:282-97 **(Jpn)**

[Quantitative assessment of irradiated salivary gland by sequential sialoscintigraphy] Jinnouchi S, et al. **Kaku Igaku** 1986 Jun;23(6):793-9 (Eng. Abstr.) **(Jpn)**

[Multiple intracranial aneurysms following radiation therapy for pituitary adenoma. Case report] Nishi T, et al. **Neurol Med Chir (Tokyo)** 1987 Mar;27(3):224-8 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the effect of local irradiation on pulmonary metastasis] Miyoshi Y. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1335-43 (Eng. Abstr.) **(Jpn)**

[Second cancers following radiotherapy of malignant tumors. The second mail survey in Japan] Sakai K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Jun 25; 46(6):811-8 (Eng. Abstr.) **(Jpn)**

[Relationship of bone marrow dose to eosinophilia following radiotherapy: a study of patients with breast, lung, cervical, and ovarian cancer] Murohashi I, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1368-76 (Eng. Abstr.) **(Jpn)**

[Liver scintigraphy of post irradiated liver] Murayama S, et al. **Rinsho Hoshasen** 1987 Jan;32(1):85-9 (Eng. Abstr.) **(Jpn)**

[Radiation-induced ileitis following radiotherapy of cervical cancer] Yoshii M, et al. **Rinsho Hoshasen** 1986 Aug; 31(8):929-32 (Eng. Abstr.) **(Jpn)**

[Economic effect of new methods of treating late radiation injuries] Bardychev MS, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):46-9 **(Rus)**

[Changes in the skin and underlying tissues in radiation lymphostasis of the extremities] Khalmosh L, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):17-21 **(Rus)**

[Restoration of immunologic indices following reflexotherapy in the combination treatment of radiation-induced edema of the upper limbs] Kuz'mina EG, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):42-6 (Eng. Abstr.) **(Rus)**

[Application of the DMF model taking into account volume and area of irradiated tissue to the prognosis of radiation complications] Pavlov AS, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):3-8 (Eng. Abstr.) **(Rus)**

[Prognostication of late radiation injuries of the bladder and rectum in patients with cancer of the cervix uteri] Zharinov GM. **Med Radiol (Mosk)** 1986 Dec;31(12):70-2 (Eng. Abstr.) **(Rus)**

[Late-onset radiation injuries of the intestines and their treatment] Bardychev MS, et al. **Vopr Onkol** 1986; 32(8):73-7 (Eng. Abstr.) **(Rus)**

[Radiation-induced sarcomas] Gun'ko RI, et al. **Vopr Onkol** 1986;32(11):79-83 (Eng. Abstr.) **(Rus)**

[Cardiopathy caused by radiation] Mordeglia F, et al. **Medicina (B Aires)** 1986;46(1):119-21 **(Spa)**

[Anesthetic considerations in the cancer patient] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):435-9 (Eng. Abstr.) **(Spa)**

ECONOMICS

A comparison of the cost of various treatment methods for early cancer of the prostate. Hanks GE, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1879-81

HISTORY

Radiation therapy of hemangiomas, 1909-1959. A cohort based on 50 years of clinical practice at Radiumhemmet, Stockholm. Fürst CJ, et al. **Acta Oncol** 1987 Jan-Feb; 26(1):33-6

Therapeutic uses of X-rays. Berry RJ. **Int J Radiat Biol** 1987 May;51(5):873-95

History of irradiation in squamous cell carcinomas of the larynx and hypopharynx. Fletcher GH. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2019-24

[From the beginnings of radon therapy] Schüttmann W. **Z Gesamte Inn Med** 1986 Aug 15;41(16):451-6 (Eng. Abstr.) **(Ger)**

[History of radiotherapy] Umegaki Y. **Gan No Rinsho** 1987 Mar;Spec No:1-8 **(Jpn)**

INSTRUMENTATION

A technical device for irradiation in carcinoma of the penis [letter] Franzén L, et al. **Acta Oncol** 1987 Jan-Feb; 26(1):77-8

Unforeseen variation of electron output with field size following modification of linear accelerator treatment head [letter] Aird EG, et al. **Br J Radiol** 1985 Dec; 58(696):1229-30

Shielding block mounting with double-stick tape. Barish RJ. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):133-4

Dosimetry considerations for a Lipowitz metal tissue compensator system. Henderson SD, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1107-12

Source-surface distance and source-axis distance beam data acquisition. Barish RJ, et al. **Med Phys** 1986 Nov-Dec; 13(6):959-61

Effects of ionization chamber construction on dose measurements in a heterogeneity. Mauceri T, et al. **Med Phys** 1987 Jul-Aug;14(4):653-6

Measurement of beam current and evaluation of scatter production in an 18-MeV accelerator. Watts DL, et al. **Med Phys** 1987 Jul-Aug;14(4):662-4

Some dosimetric discrepancies obtained using a guarded parallel-plate ion chamber with a high input impedance electrometer in measurements involving a pulsed and magnetically swept electron beam. Conere TJ. **Phys Med Biol** 1986 Oct;31(10):1157-60

A testing jig for sealed beam monitors. Kehoe TM, et al. **Phys Med Biol** 1987 May;32(5):649-52

New equipment for a radiation therapy simulator: a device for simplifying irregular field shaping and integrating simulator and therapy machine. Niwa K, et al. **Radiat Med** 1987 Jan-Feb;5(1):27-9

Quality assurance in simulators. Przeslak AJ. **Radiography** 1987 Jan-Feb;53(607):27-30

Mattress for treatment couch. Goitein M. **Radiol Technol** 1982 May-Jun;53(6):516-7

Modified mesh panel for radiation therapy treatment table. Bagne F, et al. **Radiology** 1987 May;163(2):579-80

Quality assurance control in the EORTC cooperative group of radiotherapy. 1. Assessment of radiotherapy staff and equipment. European Organization for Research and Treatment of Cancer. Horiot JC, et al. **Radiother Oncol** 1986 Aug;6(4):275-84

A new system for patient fixation in radiotherapy. Jakobsen A, et al. **Radiother Oncol** 1987 Feb;8(2):145-51

Visualization of internal motion within a treatment portal during a radiation therapy treatment. Leong JC, et al. **Radiother Oncol** 1987 Jun;9(2):153-6

Quality assurance procedures in radiotherapy--IEC specifications for equipment. Rassow J, et al. **Strahlenther Onkol** 1986 Aug;162(8):496-502

[Patient positioning aids of polyurethane foam] Eichhorn M, et al. **Radiobiol Radiother (Berl)** 1986;27(3):263-7 (Eng. Abstr.) **(Ger)**

[A new method of field marking in radiotherapy] Kammerer R, et al. **Radiobiol Radiother (Berl)** 1986;27(4):493-5 (Eng. Abstr.) **(Ger)**

[Activation of solid materials in a medical linear electron accelerator] Ewen K, et al. **Rontgenblatter** 1987 Jun; 40(6):185-90 (Eng. Abstr.) **(Ger)**

[Comparative tests of color markers used for delineating fields on the skin of patients] Niewald M, et al. **Rontgenpraxis** 1986 Nov;39(11):390-5 **(Ger)**

[A patient positioning system in head and neck irradiation] Bormann U, et al. **Strahlenther Onkol** 1986 Dec; 162(12):761-3 (Eng. Abstr.) **(Ger)**

[Physical device for heavy particles] Inada T. **Gan No Rinsho** 1987 Mar;Spec No:100-7 **(Jpn)**

METHODS

Heavy charged particle therapy of bone and soft tissue sarcoma. A phase I-II trial of the University of California Lawrence Berkeley Laboratory and the Northern California Oncology Group. Reimers M, et al. **Am J Clin Oncol** 1986 Dec;9(6):488-93

Delivery of intraoperative radiation therapy after pneumonectomy: experimental observations and early clinical results. Pass HI, et al. **Ann Thorac Surg** 1987 Jul; 44(1):14-20

Proceedings of the British Institute of Radiology. Accelerated fraction and hyperfractionation: experimental and clinical. Abstracts of papers. London, November 14, 1986. **Br J Radiol** 1987 Jun;60(714):605-8

A graphical method to simplify the application of the linear-quadratic dose-effect equation to fractionated radiotherapy. Dale RG. **Br J Radiol** 1986 Nov; 59(707):1111-5

An improved system of customized photon shielding for radiotherapy. Plant GR, et al. **Br J Radiol** 1986 Sep; 59(705):930-2

The use of an image processing system in radiotherapy simulation. Redpath AT, et al. **Br J Radiol** 1985 Nov; 58(695):1081-9

Green lasers for patient positioning in radiotherapy [letter] Tuohy JB. **Br J Radiol** 1986 Oct;59(706):1050

A technique for delivering uniform dose at the junction of two spinal fields. Wu A, et al. **Br J Radiol** 1986 Sep; 59(705):929-30

Cancer of the breast: conservation surgery and curative radiation therapy--technique. Brady LW, et al. **Front Radiat Ther Oncol** 1987;21:181-94

Localized hyperthermia and X-irradiation of murine jejunum in situ: a new method. Peck JW, et al. **Int J Hyperthermia** 1986 Jul-Sep;2(3):277-98

A problem in rotation therapy with X rays. Cormack AM. **Int J Radiat Oncol Biol Phys** 1987 Apr;13(4):623-30

Quality control in radiotherapy: the reduction of field placement errors. Griffiths SE, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1583-8

Automatic digital contrast enhancement of radiotherapy films. Sherouse GW, et al. **Int J Radiat Oncol Biol Phys** 1987 May;13(5):801-6

Multimodal therapy for limited small-cell lung cancer: a randomized study of induction combination chemotherapy with or without thoracic radiation in complete responders; and with wide-field versus reduced-field radiation in

partial responders: a Southwest Oncology Group Study. Kies MS, et al. **J Clin Oncol** 1987 Apr;5(4):592–600
Anaesthesia and monitoring for paediatric radiotherapy [letter] **J R Soc Med** 1987 Mar;80(3):192–4
Anaesthesia and monitoring for paediatric radiotherapy. Casey WF, et al. **J R Soc Med** 1986 Aug;79(8):454–6
Kaposi's sarcoma: report of five cases treated with radiotherapy. Ampil FL. **J Surg Oncol** 1986 Dec; 33(4):259–61
Anesthesia for intraoperative radiation therapy in children. Friesen RH, et al. **J Surg Oncol** 1987 Jun;35(2):96–8
European accelerator for radiotherapy with charged ions. Bewley DK. **Lancet** 1987 Feb 7;1(8528):318–9
Practical aspects of transmission cord blocks in radiotherapy. Ezzell GA, et al. **Med Phys** 1987 May–Jun;14(3):400–5
Dose buildup for obliquely incident photon beams. Gerbi BJ, et al. **Med Phys** 1987 May–Jun;14(3):393–9
Using background subtraction for measuring the dose distribution of an electron pencil beam. McParland BJ. **Med Phys** 1987 May–Jun;14(3):406–9
A parameterization of the electron beam output factors of a 25–MeV linear accelerator. McParland BJ. **Med Phys** 1987 Jul–Aug;14(4):665–9
Heterogeneity model for photon beams incorporating electron transport. Petti PL, et al. **Med Phys** 1987 May–Jun; 14(3):349–54
Relative electron beam measurements: scaling depths in clear polystyrene to equivalent depths in water. Ten Haken RK, et al. **Med Phys** 1987 May–Jun;14(3):410–3
A new model for computerized clinical electron beam dosimetry. van de Geijn J, et al. **Med Phys** 1987 Jul–Aug; 14(4):577–84
Dose perturbations at interfaces in photon beams. Werner BL, et al. **Med Phys** 1987 Jul–Aug;14(4):585–95
Continuous three–dimensional radiation dosimetry in tissue–equivalent phantoms using electron paramagnetic resonance in L–alpha–alanine. Wielopolski L, et al. **Med Phys** 1987 Jul–Aug;14(4):646–52
Beta dosimetry for radioimmunotherapy of cancer using labeled antibodies. Kwok CS, et al. **NCI Monogr** 1987; (3):73–82
Stereotactic radiosurgery. Present status and future trends. Leksell DG. **Neurol Res** 1987 Jun;9(2):60–8 (50 ref.)
Rapid three–dimensional treatment planning: I. Ray–tracing approach to primary component dose calculations. Altschuler MD, et al. **Phys Med Biol** 1987 May; 32(5):543–56
Chamber–dependent wall correction factors in dosimetry. Andreo P, et al. **Phys Med Biol** 1986 Nov;31(11):1189–99
Comments on the comparison of the new and old CE factors listed in the 1985 HPA code [letter] Bistrović M, et al. **Phys Med Biol** 1987 Jul;32(7):905–6
Muscle– and fat–equivalent polyethylene–based phantom materials for x–ray dosimetry at tube voltages below 100 kV. Hermann KP, et al. **Phys Med Biol** 1986 Sep; 31(9):1041–6
The in–air scattering of clinical electron beams as produced by accelerators with scanning beams and diaphragm collimators. Huizenga H, et al. **Phys Med Biol** 1987 Aug; 32(8):1011–29
Theoretical and experimental analysis of scatter from inhomogeneous slabs in a 60Co beam: the differential tissue–air ratio method (DTAR). Kappas K, et al. **Phys Med Biol** 1986 Nov;31(11):1211–28
Calibration of radiotherapy dosemeters against secondary standard dosemeters: an anomalous result. Law J, et al. **Phys Med Biol** 1987 Aug;32(8):1039–43
Inhomogeneity corrections in electron–beam dose planning. Limitations with the semi–infinite slab approximation. Lax I. **Phys Med Biol** 1986 Aug;31(8):879–92
The use of a microcomputer for non–linear optimisation of doses in external radiotherapy. Legras J, et al. **Phys Med Biol** 1986 Dec;31(12):1353–9
Use of digital fluoroscopy as an on–line verification device in radiation therapy. Leong J. **Phys Med Biol** 1986 Sep; 31(9):985–92
Remark on recommendations of neutron dosimetry protocols [letter] Makarewicz M, et al. **Phys Med Biol** 1986 Oct; 31(10):1165–6
The study of a swept electron beam in order to apply Boag's theory for calculation of the collection efficiency: I. Beam and swept area characteristics. Marinello G, et al. **Phys Med Biol** 1986 Aug;31(8):859–68
The study of a swept electron beam in order to apply Boag's theory for calculation of the collection efficiency: II. Application to different ionisation chambers and comparison with other methods. Marinello G, et al. **Phys Med Biol** 1986 Aug;31(8):869–78
Collection efficiency of an ionisation chamber in a pulsed swept beam: chamber size effects. Meli JA, et al. **Phys Med Biol** 1986 Oct;31(10):1139–46
Assessment of a rubber–based compound as a bolus material for fast neutrons. Parnell CJ, et al. **Phys Med Biol** 1986 Oct;31(10):1161–4
A measurement of w for 150 MeV protons in nitrogen and argon. Petti PL, et al. **Phys Med Biol** 1986 Oct; 31(10):1129–38
A multiplicative correction factor for tissue heterogeneities. Petti PL, et al. **Phys Med Biol** 1986 Oct;31(10):1119–28
The exposure rate of a radioactive check device. Pychlau P, et al. **Phys Med Biol** 1986 Nov;31(11):1291–3
Megavoltage photon beam dose reduction with retracted tissue compensators. Robinson DM, et al. **Phys Med Biol** 1987 Aug;32(8):1031–7
Collection efficiency of an ionisation chamber in a pulsed swept beam: collimator scatter effects. Weinhous MS, et al. **Phys Med Biol** 1986 Oct;31(10):1147–55
The Monte Carlo simulation of the biological effect of the 10B(n, alpha)7Li reaction in cells and tissue and its implication for boron neutron capture therapy. Gabel D, et al. **Radiat Res** 1987 Jul;111(1):14–25
An introduction to fast neutron therapy for the radiation therapy technologist. Sauer S, et al. **Radiol Technol** 1987 Jul–Aug;58(6):517–22
Permanent dots in radiation therapy. Uyeda LM. **Radiol Technol** 1987 May–Jun;58(5):409–11
Transmission block to simplify combined pelvic and inguinal radiation therapy. Kalnicki S, et al. **Radiology** 1987 Aug; 164(2):578–80
Intraoperative radiotherapy in stage I and II lung cancer. Hilaris BS, et al. **Semin Surg Oncol** 1987;3(1):22–32
[Intraoperative radiotherapy] Hoekstra HJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2075–7 **(Dut)**
[Radiotherapy method in the treatment of medulloblastoma] Röttinger EM. **Klin Padiatr** 1987 May–Jun;199(3):193–5 (Eng. Abstr.) **(Ger)**
[Experiences with afterloading irradiation of malignant head and neck tumors] von Scheel J, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun;66(6):329–31 (Eng. Abstr.) **(Ger)**
[Fundamental model assays on chemical damages to ribonucleic acids caused by oxygen radicals in aqueous solution] Lickl F, et al. **Strahlenther Onkol** 1986 Dec; 162(12):775–8 (Eng. Abstr.) **(Ger)**
[CT–guided stereotactic cerebral irradiation by linear accelerator] Miyahara S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1063–5 (Eng. Abstr.) **(Jpn)**
[Conformation radiotherapy with eccentric multi–leaves. (I). Equipment and dose calculation] Obata Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1057–62 (Eng. Abstr.) **(Jpn)**
[Irradiation synchronized with the respiratory cycle] Ohara K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25;47(3):488–96 (Eng. Abstr.) **(Jpn)**

STANDARDS

Quality control parameters of intraoperative radiation therapy. Tepper JE, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1687–95
Dose intercomparison at the radiotherapy centres in The Netherlands. 1. Photon beams under reference conditions and for prostatic cancer treatment. Wittkämper FW, et al. **Radiother Oncol** 1987 May;9(1):33–44

TRENDS

Whither radiotherapy. Ross WM. **Clin Radiol** 1987 Mar; 38(2):107–13
[Current problems of radiation therapy] Baĭsogolov GD. **Med Radiol (Mosk)** 1987 Mar;32(3):3–6 **(Rus)**

UTILIZATION

Analytical modeling of worldwide medical radiation use. Mettler FA Jr, et al. **Health Phys** 1987 Feb;52(2):133–41

RADIOTHERAPY, COMPUTER–ASSISTED

Radiotherapy beam data transfer to a dedicated treatment planning computer. Lanzon PJ, et al. **Australas Phys Eng Sci Med** 1986 Apr–Jun;9(2):96–7
An on–line electronic portal imaging system for external beam radiotherapy. Lam KS, et al. **Br J Radiol** 1986 Oct; 59(706):1007–13
Ultrasound imaging for radiotherapy computer treatment planning and the serial measurement of tumour response. Perkins AC, et al. **Br J Radiol** 1985 Oct;58(694):1013–6
The use of an image processing system in radiotherapy simulation. Redpath AT, et al. **Br J Radiol** 1985 Nov; 58(695):1081–9
A minimum data input computer program for Selectron treatment calculation. Smith O. **Br J Radiol** 1987 Feb; 60(710):181–3
Electron arc therapy: beam data requirements and treatment planning. Lam KS, et al. **Clin Radiol** 1987 Jul;38(4):379–83
Computed tomography in planning for malignant tumours of the nasopharynx [letter] Papavasiliou C, et al. **Clin Radiol** 1987 May;38(3):336
Intersection of shaped radiation beams with arbitrary image sections. Mohan R, et al. **Comput Methods Programs Biomed** 1987 Jun;24(3):161–8
Treatment planning in the radiation therapy of cancer. 21st Annual San Francisco Cancer Symposium. San Francisco, Calif., February 28–March 1, 1986. **Front Radiat Ther Oncol** 1987;21:1–338
Clinical treatment planning in gynecologic cancer. Brady LW, et al. **Front Radiat Ther Oncol** 1987;21:302–32
Evaluation of treatment plans using dose volume histograms. Chen GT, et al. **Front Radiat Ther Oncol** 1987;21:44–55
Fractionation and daily dose: factors in treatment planning. del Regato JA. **Front Radiat Ther Oncol** 1987;21:1–3
Treatment planning of radiotherapy for lung cancer. Gerbi BJ, et al. **Front Radiat Ther Oncol** 1987;21:152–80
Radiation therapy treatment planning for tumors of the central nervous system. Griem ML. **Front Radiat Ther Oncol** 1987;21:221–35
Brachytherapy treatment planning. Hilaris BS, et al. **Front Radiat Ther Oncol** 1987;21:94–106
Treatment planning in the radiation therapy of Hodgkin's disease. Hoppe RT. **Front Radiat Ther Oncol** 1987; 21:270–87
Treatment planning of esophagus, stomach, rectum and pancreas. Kagan AR, et al. **Front Radiat Ther Oncol** 1987; 21:236–46
Multiview three–dimensional treatment planning. Kalet IJ. **Front Radiat Ther Oncol** 1987;21:33–43
Techniques and applications of image correlation in radiotherapy treatment planning. Kessler ML, et al. **Front Radiat Ther Oncol** 1987;21:25–32
Radiotherapy treatment planning for the non–Hodgkin's lymphomas. Meyer JL. **Front Radiat Ther Oncol** 1987; 21:288–301
Clinical and technical considerations in planning a course of hyperthermia and irradiation. Meyer JL. **Front Radiat Ther Oncol** 1987;21:107–21
General principles for treatment planning for squamous cell carcinoma of the head and neck. Million RR, et al. **Front Radiat Ther Oncol** 1987;21:126–51
Total body irradiation. Novack DH, et al. **Front Radiat Ther Oncol** 1987;21:68–83
Treatment planning for particle radiation therapy. Parker RG, et al. **Front Radiat Ther Oncol** 1987;21:84–93
Radiation treatment planning for soft tissue sarcomas. Parker RG, et al. **Front Radiat Ther Oncol** 1987;21:247–55
State of the art of high energy photon treatment planning. Purdy JA, et al. **Front Radiat Ther Oncol** 1987;21:4–24 (38 ref.)
Plans for clinical evaluation of dynamic, computer–controlled radiation therapy at the Joint Center for Radiation Therapy. Saunders WM. **Front Radiat Ther Oncol** 1987;21:56–67
Treatment planning in the external beam radiotherapy of cancers of the genitourinary system. Vaeth JM, et al. **Front Radiat Ther Oncol** 1987;21:195–220
Display of organs and isodoses as shaded 3–D objects for 3–D therapy planning. Bauer–Kirpes B, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):135–40
Optimization of dose–time factors for a tumor and multiple associated normal tissues. Cohen L. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):251–8
Prescription, precision, and decision in treatment planning. Dutreix A. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1291–6
Dosimetric methods in the optimization of radiotherapy for carcinoma of the uterine cervix. Esche BA, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1183–92
Radiotherapy treatment planning using lymphoscintigraphy. Jones D, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1707–10
Optimization of beam weights under dose–volume restrictions. Langer M, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1255–60
Is correction for lung density in radiotherapy treatment planning necessary? McKenna WG, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):273–8
Arbitrary oblique image sections for 3–D radiation treatment planning. Mohan R, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1247–54
Using measured dose distribution data of the Fletcher–Suit–Delclos colpostat in brachytherapy treatment planning. Yorke ED, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1413–9
Use of fast Fourier transforms in calculating dose distributions for irregularly shaped fields for three–dimensional treatment planning. Mohan R, et al. **Med Phys** 1987 Jan–Feb;14(1):70–7
Validity of lung correction algorithms. Tang WL, et al. **Med Phys** 1986 Sep–Oct;13(5):683–6
The extended net fractional depth dose: correction for inhomogeneities, including effects of electron transport in photon beam dose calculation. van de Geijn J. **Med Phys** 1987 Jan–Feb;14(1):84–92
A new description of the photon beam peak–depth profile as a function of field size. van de Geijn J, et al. **Med Phys** 1986 Nov–Dec;13(6):904–7
Implementation of random positioning error in computerised radiation treatment planning systems as a result of fractionation. Leong J. **Phys Med Biol** 1987 Mar; 32(3):327–34
Influence of scattered radiation on heterogeneity correction in three–dimensional treatment planning. Nishidai T, et al. **Radiat Med** 1986 Jul–Sep;4(3):100–5
Improved localisation for radical treatment of breast carcinoma using CT and ultrasound. Lock V, et al. **Radiography** 1986 Nov–Dec;52(606):281–6
Film dosimetry for shaped electron fields. Croft MJ. **Radiol Technol** 1987 Mar–Apr;58(4):333–7
Practice of 3–dimensional treatment planning at the Fox Chase Cancer Center, University of Pennsylvania. Chu JC, et al. **Radiother Oncol** 1987 Feb;8(2):137–43
Dose–volume analysis and the prevention of radiation sequelae in cervical cancer. Crook JM, et al. **Radiother Oncol** 1987 Apr;8(4):321–32
Three–dimensional dose distributions for radiotherapy of

sinus maxillary tumours. Németh G, et al. **Radiother Oncol** 1987 Mar;8(3):231–6

Computed tomographic simulation and optimization of radiotherapeutic treatment planning. Andreucci L, et al. **Rays** 1986 Sep–Dec;11(3):141–6

The use of ultrasound in computerized radiation treatment of the mammary region. Balli M, et al. **Rays** 1985 Jan–Apr; 10(1):107–12

Radiotherapy teaching by simulation: the computerized treatment plan. Cellini N, et al. **Rays** 1985 Jan–Apr; 10(1):117–20

A computer program for I-125 seed implant. Heikkonen J, et al. **Strahlenther Onkol** 1987 Jan;163(1):29–31

[Value of computed tomography in radiosurgical planning in head and neck tumors] Kärcher H, et al. **Fortschr Kiefer Gesichtschir** 1987;32:94–5 **(Ger)**

[Tissue–phantom–dose relationship R(t,F) for irradiation planning. II] Hegewald H. **Radiobiol Radiother (Berl)** 1986; 27(3):237–45 (Eng. Abstr.) **(Ger)**

[Computer–assisted simulation of body cross–sections] Leistner H, et al. **Radiobiol Radiother (Berl)** 1986; 27(6):733–7 (Eng. Abstr.) **(Ger)**

[Radiation planning in breast cancer. What is the depth of the internal mammary lymph nodes?] Sigmund G, et al. **Radiologe** 1987 Apr;27(4):178–80 (Eng. Abstr.) **(Ger)**

[Clinically–oriented hints for the technic of integrated dosage modification in a partial irradiation field] Brix F, et al. **Strahlenther Onkol** 1987 May;163(5):324–9 (Eng. Abstr.) **(Ger)**

[Field–integrated dose modification. I: Clinical significance of the procedure] Brix F, et al. **Strahlenther Onkol** 1987 Jun;163(6):391–9 (Eng. Abstr.) **(Ger)**

[Monitoring of a water phantom and data acquisition in irradiation planning using a portable minicomputer] Burmester U, et al. **Strahlenther Onkol** 1986 Dec; 162(12):768–71 (Eng. Abstr.) **(Ger)**

[A patient documentation system for radiation therapy by computer–planning. 2. 5–year experience with the Patient Documentation System PATDOK and recording of irradiation data] Gfirtner H, et al. **Strahlenther Onkol** 1986 Sep;162(9):585–91 (Eng. Abstr.) **(Ger)**

[Studies on the need for dose calculation on various planes of the target volume] Richter E. **Strahlenther Onkol** 1987 Jun;163(6):403–9 (Eng. Abstr.) **(Ger)**

[Current state of the Würzburg database for radiotherapy] Richter J, et al. **Strahlenther Onkol** 1986 Sep;162(9):579–84 (Eng. Abstr.) **(Ger)**

[Two–year clinical experience with Mevamatic 3—development of a verification and protocol system for irradiation units] Willich N, et al. **Strahlenther Onkol** 1986 Sep;162(9):572–8 (Eng. Abstr.) **(Ger)**

[Radiotherapy planning] Irifune T. **Gan No Rinsho** 1987 Mar; Spec No:141–53 **(Jpn)**

[Conformation radiotherapy with eccentric multi–leaves. (1). Equipment and dose calculation] Obata Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1057–62 (Eng. Abstr.) **(Jpn)**

[TDF system in cobalt radioisotope teletherapy] Szymczyk W, et al. **Nowotwory** 1987 Jan–Mar;37(1):77–88 (Eng. Abstr.) **(Pol)**

[The planning of teletherapy using computerized tomography] Domaradzka–Woźniak A, et al. **Pol Przegl Radiol (Warszawa)** 1986 May–Jun;50(3):162–4 (Eng. Abstr.) **(Pol)**

[Method of reporting dose distributions in teleradiotherapy for use in computer–based planning] Ermakov IA, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):71–4 **(Rus)**

[Formalization of clinico–topometric information in planning combined programmed gamma–therapy of endometrial cancer] Titova VA, et al. **Med Radiol (Mosk)** 1987 Jul; 32(7):34–8 (Eng. Abstr.) **(Rus)**

METHODS

On–line measurement of field placement errors in external beam radiotherapy. Lam WC, et al. **Br J Radiol** 1987 Apr; 60(712):361–5

A coordinate transfer of anatomical information from CT to treatment simulation. Cheng CW, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1559–69

A comparison of commercial treatment planning systems when calculating dose under shielding blocks. Tatcher M. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1899–902

RADIOTHERAPY DOSAGE

see related

DOSE–RESPONSE RELATIONSHIP, RADIATION

A graphical method to simplify the application of the linear–quadratic dose–effect equation to fractionated radiotherapy. Dale RG. **Br J Radiol** 1986 Nov; 59(707):1111–5

What minimum number of fractions is required with high dose–rate remote afterloading? [letter] Orton CG. **Br J Radiol** 1987 Mar;60(711):300–2

High or low dose radioiodine ablation of thyroid remnants? Creutzig H. **Eur J Nucl Med** 1987;12(10):500–2

Fractionation: a paradigm for clinical research in radiation oncology. Cox JD. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1271–81 (37 ref.)

Dosimetry considerations for a Lipowitz metal tissue compensator system. Henderson SD, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):1107–12

A comparison of commercial treatment planning systems when calculating dose under shielding blocks. Tatcher M. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1899–902

Isoeffect models and fractionated radiation therapy. Travis EL, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb; 13(2):283–7

Radiotherapy in multiple fractions per day for prostatic carcinoma: late complications. Vanuytsel L, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1589–95

Radiobiological rationale for hyperfractionation in the radiotherapy of neuroblastoma [letter] Wheldon TE, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1430–1

Brain metastases from malignant melanoma: conventional vs. high–dose–per–fraction radiotherapy. Ziegler JC, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1839–42

What next in fractionated radiotherapy? Herbert DE. **Invest Radiol** 1987 May;22(5):447–50

Comments on "Buildup/surface dose and exit dose measurements for a 6–MV linear accelerator" [letter]Baily NA. **Med Phys** 1987 Jan–Feb;14(1):145

Teletherapy beam characteristics: the first second. Barish RJ, et al. **Med Phys** 1987 Jul–Aug;14(4):657–61

A comparison of air–cavity inhomogeneity effects for cobalt–60, 6–, and 10–MV x–ray beams. Beach JL, et al. **Med Phys** 1987 Jan–Feb;14(1):140–4

Monte Carlo dosimetry for 125I and 60Co in eye plaque therapy. Chiu–Tsao ST, et al. **Med Phys** 1986 Sep–Oct; 13(5):678–82

Dose buildup for obliquely incident photon beams. Gerbi BJ, et al. **Med Phys** 1987 May–Jun;14(3):393–9

The effect of lead attenuators on dose in homogeneous phantoms. el–Khatib EE, et al. **Med Phys** 1986 Nov–Dec; 13(6):928–35

Effect of tissue inhomogeneity on beta dose distribution of 32P. Kwok CS, et al. **Med Phys** 1987 Jan–Feb;14(1):98–104

The photon sensitivity of a moderated activation neutron detector. McGinley PH. **Med Phys** 1986 Sep–Oct; 13(5):700–2

Using background subtraction for measuring the dose distribution of an electron pencil beam. McParland BJ. **Med Phys** 1987 May–Jun;14(3):406–9

A parameterization of the electron beam output factors of a 25–MeV linear accelerator. McParland BJ. **Med Phys** 1987 Jul–Aug;14(4):665–9

Effects of ionization chamber construction on dose measurements in a heterogeneity. Mauceri T, et al. **Med Phys** 1987 Jul–Aug;14(4):653–6

Use of fast Fourier transforms in calculating dose distributions for irregularly shaped fields for three–dimensional treatment planning. Mohan R, et al. **Med Phys** 1987 Jan–Feb;14(1):70–7

Dose distribution for 125I implants due to anisotropic radiation emission and unknown seed orientation. Prasad SC, et al. **Med Phys** 1987 Mar–Apr;14(2):296–8

Analytic evaluation of heterogeneity locations for external beam treatment planning. Starkschall G. **Med Phys** 1986 Sep–Oct;13(5):732–3

Proton beam penumbra: effects of separation between patient and beam modifying devices. Urie MM, et al. **Med Phys** 1986 Sep–Oct;13(5):734–41

The extended net fractional depth dose: correction for inhomogeneities, including effects of electron transport in photon beam dose calculation. van de Geijn J. **Med Phys** 1987 Jan–Feb;14(1):84–92

A new model for computerized clinical electron beam dosimetry. van de Geijn J, et al. **Med Phys** 1987 Jul–Aug; 14(4):577–84

Measurement of beam current and evaluation of scatter production in an 18–MeV accelerator. Watts DL, et al. **Med Phys** 1987 Jul–Aug;14(4):662–4

Dose perturbations at interfaces in photon beams. Werner BL, et al. **Med Phys** 1987 Jul–Aug;14(4):585–95

Continuous three–dimensional radiation dosimetry in tissue–equivalent phantoms using electron paramagnetic resonance in L–alpha–alanine. Wielopolski L, et al. **Med Phys** 1987 Jul–Aug;14(4):646–52

Photon dose perturbations due to small inhomogeneities. Yu CX, et al. **Med Phys** 1987 Jan–Feb;14(1):78–83

Rapid three–dimensional treatment planning: I. Ray–tracing approach to primary component dose calculations. Altschuler MD, et al. **Phys Med Biol** 1987 May; 32(5):543–56

Stopping power data for high–energy photon beams. Andreo P, et al. **Phys Med Biol** 1986 Aug;31(8):839–58

Comments on the comparison of the new and old CE factors listed in the 1985 HPA code [letter] Bistrović M, et al. **Phys Med Biol** 1987 Jul;32(7):905–6

The in–air scattering of clinical electron beams as produced by accelerators with scanning beams and diaphragm collimators. Huizenga H, et al. **Phys Med Biol** 1987 Aug; 32(8):1011–29

A method of taking into account the inhomogeneity backscatter contribution to the Batho correction factor. Iwasaki A. **Phys Med Biol** 1986 Aug;31(8):923–6

A testing jig for sealed beam monitors. Kehoe TM, et al. **Phys Med Biol** 1987 May;32(5):649–52

Calibration of radiotherapy dosemeters against secondary standard dosemeters: an anomalous result. Law J, et al. **Phys Med Biol** 1987 Aug;32(8):1039–43

Inhomogeneity corrections in electron–beam dose planning. Limitations with the semi–infinite slab approximation. Lax I. **Phys Med Biol** 1986 Aug;31(8):879–92

The study of a swept electron beam in order to apply Boag's theory for calculation of the collection efficiency: II. Application to different ionisation chambers and comparison with other methods. Marinello G, et al. **Phys Med Biol** 1986 Aug;31(8):869–78

The study of a swept electron beam in order to apply Boag's theory for calculation of the collection efficiency: I. Beam and swept area characteristics. Marinello G, et al. **Phys Med Biol** 1986 Aug;31(8):859–68

Megavoltage photon beam dose reduction with retracted tissue compensators. Robinson DM, et al. **Phys Med Biol** 1987 Aug;32(8):1031–7

Clinical dosimetry for radiotherapy to the breast based on imaging with the prototype Royal Marsden Hospital CT simulator. Webb S, et al. **Phys Med Biol** 1987 Jul; 32(7):835–45

Analysis of a manual calculation technique for isocentric dose determination. Elsberry JS. **Radiol Technol** 1978 Sep–Oct; 50(2):127–32

Radiation dose enhancement therapy with iodine in rabbit VX–2 brain tumors. Iwamoto KS, et al. **Radiother Oncol** 1987 Feb;8(2):161–70

What degree of accuracy is required and can be achieved in photon and neutron therapy? Mijnheer BJ, et al. **Radiother Oncol** 1987 Mar;8(3):237–52

The value of the NSD formula in equation of acute and late radiation complications in normal tissue following 2 and 5 fractions per week in breast cancer patients treated with postmastectomy irradiation. Overgaard M, et al. **Radiother Oncol** 1987 May;9(1):1–11

Dosimetry for total body irradiation. Van Dyk J. **Radiother Oncol** 1987 Jun;9(2):107–18

Dose intercomparison at the radiotherapy centres in The Netherlands. 1. Photon beams under reference conditions and for prostatic cancer treatment. Wittkämper FW, et al. **Radiother Oncol** 1987 May;9(1):33–44

The relative biological effectiveness of 100 kV X–rays determined by the V–79 cell colony assay. Winzel E, et al. **S Afr Med J** 1987 Jun 6;71(11):693–5

EORTC prospective trials of altered fractionation using multiple fractions per day (MFD). Horiot JC. **Sonderb Strahlenther Onkol** 1987;81:135–40

Dose reconstruction of x–ray irradiation of the larynx. Takácsi–Nagy L, et al. **Strahlenther Onkol** 1987 May; 163(5):321–3

[Use of linear quadratic models in practice] Strnad V, et al. **Cesk Radiol** 1987 Jan;41(1):22–7 (Eng. Abstr.) **(Cze)**

[Dosimetry in mantle–field radiotherapy of lymphogranulomatosis using ultra–hard x–rays] Kaulich TW, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:204–13 (21 ref.) **(Ger)**

[Fractionation of the daily dose (hyperfractionation) in telegammatherapy of laryngeal tumors] Mardynsky JuS, et al. **Radiobiol Radiother (Berl)** 1986;27(4):407–12 (Eng. Abstr.) **(Ger)**

[Radiobiological limits in conventional after–irradiation of breast cancer. Addition I: Estimation of spatial dose distribution in conventional roentgen depth–therapy] Schmidt KP. **Radiobiol Radiother (Berl)** 1986;27(4):441–4 **(Ger)**

[Biological value of different fractionation schemes as exemplified by pre– and postoperative irradiated mouth tumors. Results of a clinical application of the NSD concept] Mühlen M, et al. **Rontgenpraxis** 1987 Jun; 40(6):224–9 **(Ger)**

[Hyperfractionated irradiation of bronchial cancer. Results of a pilot study] Berberich W, et al. **Strahlenther Onkol** 1987 Feb;163(2):74–8 (Eng. Abstr.) **(Ger)**

[Presentation of a new partial–field blocker for breast–preserving therapy of breast carcinoma] Brix F, et al. **Strahlenther Onkol** 1987 May;163(5):314–20 (Eng. Abstr.) **(Ger)**

[Clinically–oriented hints for the technic of integrated dosage modification in a partial irradiation field] Brix F, et al. **Strahlenther Onkol** 1987 May;163(5):324–9 (Eng. Abstr.) **(Ger)**

[Thermoluminescent dosimetry studies on absorptive behavior of bones without and with metal implants] Eichhorn M, et al. **Strahlenther Onkol** 1986 Dec; 162(12):779–84 (Eng. Abstr.) **(Ger)**

[Dose distribution of pendulum fields in the field border plane] Schrader R. **Strahlenther Onkol** 1986 Dec; 162(12):764–7 (Eng. Abstr.) **(Ger)**

[3–dimensional automatic dosimetry in curietherapy] Borroni M, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):91–5 (Eng. Abstr.) **(Ita)**

[Tables of figures necessary for radiotherapy] Egawa S, et al. **Gan No Rinsho** 1987 Mar;Spec No:485–501 **(Jpn)**

[Biophysical parameters in radiotherapy planning] Konishi K. **Gan No Rinsho** 1987 Mar;Spec No:174–82 **(Jpn)**

[The concept of biological equivalency in radiotherapy and its computation—a method by TDF (time, dose and fractionation factors)] Nakamura J. **Gan No Rinsho** 1987 Mar;Spec No:154–73 **(Jpn)**

[Basic medical theories of fractional irradiation] Okada S, et al. **Gan No Rinsho** 1987 Mar;Spec No:70–86 **(Jpn)**

[Progress in the area of physics related to radiotherapy—with special reference to dosimetry] Ouchi Y. **Gan No Rinsho** 1987 Mar;Spec No:89–99 **(Jpn)**

[Dose response: is it present in clinical radiotherapy?] Kondo M. **Rinsho Hoshasen** 1986 Aug;31(8):921–7 (39 ref.) (Eng.

Abstr.) (Jpn)
[Radiobiological principles of the choice of dose fractionation in the radiotherapy of tumors] Akimov AA, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):81–6 (44 ref.) (Rus)
[Dosimetric basis for joining large fields of complex configuration during total irradiation of the lymphatic collecting vessels] Filatova AM, et al. **Med Radiol (Mosk)** 1987 May;32(5):24–7 (Eng. Abstr.) (Rus)
[Topographic and dosimetric considerations in different methods of proton irradiation] Khoroshkov VS, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):70–6 (Eng. Abstr.) (Rus)
[Dose multifractionation in radiotherapy of lung cancer of different histological types] Leskov VP, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):30–3 (Eng. Abstr.) (Rus)
[Methodological aspects of optimizing dose fractionation within the framework of Ellis's concepts] Lipsin VA. **Med Radiol (Mosk)** 1987 Apr;32(4):85–8 (Rus)
[Theoretical evaluation of the effectiveness of fractionated irradiation of malignant tumors with fast neutrons] Lisin VA. **Med Radiol (Mosk)** 1986 Oct;31(10):13–8 (Eng. Abstr.) (Rus)
[Application of the DMF model taking into account volume and area of irradiated tissue to the prognosis of radiation complications] Pavlov AS, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):3–8 (Eng. Abstr.) (Rus)
[Concept of isoeffective doses in radiotherapy] Riabukhin IuS, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):3–7 (Eng. Abstr.) (Rus)
[Optimum placement of radiation sources in the planning of interstitial radiotherapy] Zamiatin OA, et al. **Med Radiol (Mosk)** 1986 Oct;31(10):23–8 (Eng. Abstr.) (Rus)

STANDARDS

Reproducibility in radiotherapy. Griffiths SE. **Radiography** 1986 Jul–Aug;52(604):167–9
Quality assurance control in the EORTC cooperative group of radiotherapy. 2. Dosimetric intercomparison. Johansson KA, et al. **Radiother Oncol** 1986 Nov;7(3):269–79
[Mandatory calibration of dosimeters used in radiotherapy] Engelke BA, et al. **Strahlenther Onkol** 1987 Feb; 163(2):94–102 (Eng. Abstr.) (Ger)
[Results of combined surgical and radiotherapeutic treatment of oral cancer in relation to the application of the Nominal Standard Dose] Tschakert H, et al. **Strahlenther Onkol** 1986 Oct;162(10):559–604 (Eng. Abstr.) (Ger)

RADIOTHERAPY, HIGH ENERGY

High-voltage irradiation and hydroxyurea for pulmonary leukostasis in acute myelomonocytic leukemia. von Eyben FE, et al. **Acta Haematol (Basel)** 1987;77(3):180–2
Sightsaving therapy in retinoblastoma. Experience with external megavoltage radiotherapy. Monge OR, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):414–20
Dosimetry and quality specification of high energy photon beams. Brahme A, et al. **Acta Radiol [Oncol]** 1986 May–Jun; 25(3):213–23
A comparative study of dose distribution of a high-energy electron beam and chromosome aberration frequencies. Matsubara S, et al. **Br J Radiol** 1986 Oct;59(706):1001–5
Therapeutic concepts of brachytherapy/megavoltage in sequence for pharyngeal wall cancers. Results of integrated dose therapy. Son YH, et al. **Cancer** 1987 Apr 1; 59(7):1268–73
The long-term effects of megavoltage radiotherapy as sole or combined therapy for large prolactinomas: studies with high definition computerized tomography. Johnston DG, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):675–85
The management of glomus jugulare tumours. Dawes PJ, et al. **Clin Otolaryngol** 1987 Feb;12(1):15–24
Radical treatment of prostatic carcinoma by megavoltage X-ray therapy. Preston CI, et al. **Clin Radiol** 1986 Sep; 37(5):473–7
Definitive combined modality therapy of carcinoma of the anus. A report of 30 cases including results of salvage therapy in patients with residual disease. Flam MS, et al. **Dis Colon Rectum** 1987 Jul;30(7):495–502
Treatment planning for particle radiation therapy. Parker RG, et al. **Front Radiat Ther Oncol** 1987;21:84–93
State of the art of high energy photon treatment planning. Purdy JA, et al. **Front Radiat Ther Oncol** 1987;21:4–24 (38 ref.)
Treatment of standard- and high-risk childhood acute lymphoblastic leukaemia with two CNS prophylaxis regimens. Ortega JJ, et al. **Hematol Bluttransfus** 1987; 30:483–92
Dose to radiotherapy technologists from activation of patients at a fast neutron therapy facility. Tatcher M, et al. **Health Phys** 1987 Sep;53(3):311–2
High voltage orbital radiotherapy and surgical orbital decompression in the management of Graves' ophthalmopathy. Pigeon P, et al. **Horm Res** 1987; 26(1–4):172–6
External neutron beam therapy. Cohen L, et al. **IMJ** 1987 Apr;171(4):231–6
A report of a randomized trial of d(15)+Be neutrons compared with megavoltage X ray therapy of bladder cancer [letter] Catterall M, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2053
Survival of patients with unresectable non-small cell lung cancer following 6,000 rad megavoltage radiotherapy. Kumar PP, et al. **J Natl Med Assoc** 1987 Mar;79(3):313–21
Radiotherapy for prostate carcinoma. Leonard K, et al. **J Surg Oncol** 1986 Sep;33(1):1–7
Re: Preliminary observations on the results of combined temporary 192iridium implantation and external beam irradiation for carcinoma of the prostate [letter] Klein FA, et al. **J Urol** 1987 May;137(5):1010–1
Prostate biopsy after definitive treatment by interstitial 125iodine implant or external beam radiation therapy. Schellhammer PF, et al. **J Urol** 1987 May;137(5):897–901
A quantitative assessment of portal film contrast as a function of beam energy. Amols HI, et al. **Med Phys** 1986 Sep–Oct; 13(5):711–6
A comparison of air-cavity inhomogeneity effects for cobalt-60, 6-, and 10-MV x-ray beams. Beach JL, et al. **Med Phys** 1987 Jan–Feb;14(1):140–4
Characteristics of the 6-MV photon beam produced by a dual energy linear accelerator. Ikoro NC, et al. **Med Phys** 1987 Jan–Feb;14(1):93–7
Clarification of the AAPM Task Group 21 protocol. Schulz RJ, et al. **Med Phys** 1986 Sep–Oct;13(5):755–9
A new description of the photon beam peak-depth profile as a function of field size. van de Geijn J, et al. **Med Phys** 1986 Nov–Dec;13(6):904–7
Stage IB cervical carcinoma treated with radical hysterectomy and pelvic lymphadenectomy: role of adjuvant radiotherapy. Larson DM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):378–81
A case of pericardial hemangioma with consumption coagulopathy cured by radiotherapy. Yoshikawa M, et al. **Pediatr Radiol** 1987;17(2):149–50
Influence of scattered radiation on heterogeneity correction in three-dimensional treatment planning. Nishidai T, et al. **Radiat Med** 1986 Jul–Sep;4(3):100–5
Malignant melanoma: analysis of dose fractionation in radiation therapy. Konefal JB, et al. **Radiology** 1987 Sep; 164(3):607–10
A comparison of build-up and depth dose characteristics of different photon beams for the treatment of Hodgkin's disease. Bridier A, et al. **Radiother Oncol** 1986 Aug; 6(4):301–7
Electron beam therapy in treatment of parotid neoplasm. Dobrowsky W, et al. **Radiother Oncol** 1986 Aug;6(4):293–9
Results of two randomised clinical trials of neutron therapy in rectal adenocarcinoma. Duncan W, et al. **Radiother Oncol** 1987 Mar;8(3):191–8
The results of a series of 963 patients with transitional cell carcinoma of the urinary bladder primarily treated by radical megavoltage X-ray therapy. Duncan W, et al. **Radiother Oncol** 1986 Dec;7(4):299–310
A technique for treatment of advanced carcinomas of the larynx and hypopharynx using low-megavoltage X-rays. Fields JN, et al. **Radiother Oncol** 1986 Nov;7(3):281–5
Prognostic indices for bladder cancer: an analysis of patients with transitional cell carcinoma of the bladder primarily treated by radical megavoltage X-ray therapy. Quilty PM, et al. **Radiother Oncol** 1986 Dec;7(4):311–21
Locally advanced uterine cervical cancer: our experience on 102 cases. Montemaggi P, et al. **Rays** 1986 May–Aug; 11(2):115–8
Carcinoma of the female urethra: combined iridium Ir 192 interstitial and external beam radiotherapy. Klein FA, et al. **South Med J** 1987 Sep;80(9):1129–32
Radical prostatectomy or radiotherapy in carcinoma of prostate. The dilemma continues. Pilepich MV, et al. **Urology** 1987 Jul;30(1):18–21
[Personal experience with radical therapy of prostatic carcinoma using actinotherapy] Morávek P, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985; 28(3–4):335–9 (Eng. Abstr.) (Cze)
[Peroperative radiotherapy. Initial experience at the Red Cross Hospital] De Laroche G, et al. **J Chir (Paris)** 1986 Nov;123(11):611–20 (Eng. Abstr.) (Fre)
[Results of high-voltage and neutron therapy in the treatment of the postoperative anastomotic recurrence of stomach cancer] Oehler W, et al. **Arch Geschwulstforsch** 1987; 57(1):53–60 (Eng. Abstr.) (Ger)
[Dosimetry in mantle-field radiotherapy of lymphogranulomatosis using ultra-hard x-rays] Kaulich TW, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:204–13 (21 ref.) (Ger)
[Radiotherapy of choroid metastases in breast carcinoma] Dobrowsky W, et al. **Strahlenther Onkol** 1987 Jun; 163(6):361–3 (Eng. Abstr.) (Ger)
[Preoperative radiochemotherapy in advanced oral and oropharyngeal carcinoma] Dobrowsky W, et al. **Strahlenther Onkol** 1987 Jun;163(6):357–60 (Eng. Abstr.) (Ger)
[Results of curative high-voltage irradiation of prostatic cancer] Kölbel G, et al. **Strahlenther Onkol** 1987 Feb; 163(2):67–73 (Eng. Abstr.) (Ger)
[Combination of bilateral pelvic lymphadenectomy, permanent iodine-125 implantation and percutaneous irradiation of localized prostate carcinoma. 2: Discussion and conclusions] Thiel HJ, et al. **Strahlenther Onkol** 1987 Mar;163(3):176–84 (Eng. Abstr.) (Ger)
[Studies on radiation therapy of carcinoma of the skin] Okazaki A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1048–56 (Eng. Abstr.) (Jpn)
[Studies on relative biological effectiveness and therapeutic gain factor of high energy protons modulated for radiotherapy] Satoh S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 May 25; 46(5):714–21 (Eng. Abstr.) (Jpn)
[Evaluation of the results of the treatment of testicular seminoma irradiated by the megavolt technic] Fijuth J, et al. **Nowotwory** 1986 Oct–Dec;36(4):296–303 (Eng. Abstr.) (Pol)
[Preliminary evaluation of post-radiation changes in patients with breast cancer after postoperative electron beam radiotherapy] Korzeniowski S. **Nowotwory** 1986 Jan–Mar; 36(1):66–70 (Eng. Abstr.) (Pol)
[Working Conference on Problems of Proton Therapy. Leningrad, October 14–18, 1986. Proceedings] **Med Radiol (Mosk)** 1987 Aug;32(8):1–94 (Rus)
[The medical proton complex] Abrosimov IK, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):10–6 (Rus)
[Development of a 2-unit medical complex for proton therapy] Abrosimov NK, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):26–9 (Rus)
[3-unit complex for proton therapy] Chuvilo IV, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):30–6 (Eng. Abstr.) (Rus)
[6-unit clinico-physical complex] Dzhelepov VP, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):81–4 (Eng. Abstr.) (Rus)
[Proton irradiation of spontaneous arterio-sinus anastomoses in the cavernous sinus region] Krymskiĭ VA, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):57–61 (Eng. Abstr.) (Rus)
[Effect of proton irradiation of Tolosa-Hunt syndrome] Luchin EI, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):55–7 (Eng. Abstr.) (Rus)
[Initial experience with the use of the proton beam at the Institute of Theoretical and Experimental Physics to treat prostatic cancer] Makarova GV, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):66–70 (Eng. Abstr.) (Rus)
[Results of treatment of Itsenko-Cushing disease using proton irradiation of the hypophysis] Marova EI, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):42–9 (Eng. Abstr.) (Rus)
[Proton therapy in clinical neurosurgery] Minakova EI, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):36–42 (Eng. Abstr.) (Rus)
[Proton irradiation of the hypophysis and gamma therapy of multiple bone metastases in the complex treatment of breast cancer] Monzul' GD, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):49–55 (Eng. Abstr.) (Rus)
[Proton therapy: clinico-methodological aspects, treatment results] Zherbin EA, et al. **Med Radiol (Mosk)** 1987 Aug; 32(8):17–22 (Eng. Abstr.) (Rus)
[Advantages of rotational radiotherapy in deep and centrally located tumors] Dekić M, et al. **Vojnosanit Pregl** 1986 Nov–Dec;43(6):462–4 (Scr)

ADVERSE EFFECTS

Analysis of neutron radiotherapy treatment complications. Griffin T, et al. **Bull Cancer (Paris)** 1986;73(5):582–6
Response of the mediastinal and thoracic viscera of the dog to intraoperative radiation therapy (IORT). Barnes M, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):371–8
Spinal cord protection during radiation therapy. Coia L, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1697–705
Retroperitoneal fibrosis following treatment for Hodgkin's disease. Chao N, et al. **J Clin Oncol** 1987 Feb;5(2):231–2
The effect of mediastinal irradiation on cardiac function of patients treated during childhood and adolescence for Hodgkin's disease. Green DM, et al. **J Clin Oncol** 1987 Feb;5(2):239–45
Osteonecrosis, fractures, and protrusio acetabuli secondary to x-irradiation therapy for prostatic carcinoma. Csuka M, et al. **J Rheumatol** 1987 Feb;14(1):165–70
Haemostatic and antialgic effects of the 25 MV photon beam concentrated dose in the treatment of carcinoma of the cervix. Patrício MB, et al. **J Surg Oncol** 1987 Feb; 34(2):133–5
[Formalin treatment of severe radiation-induced hemorrhagic proctitis] Reimer E, et al. **Ugeskr Laeger** 1987 Apr 27;149(18):1194–6 (Eng. Abstr.) (Dan)
[Pulmonary reaction to radiation as depicted in chest x-rays following megavolt therapy of breast cancer] Slanina J, et al. **Radiologe** 1987 Apr;27(4):181–91 (Eng. Abstr.) (Ger)
[Post-radiation carditis in a patient treated for teratocarcinoma of the mediastinum] Osiadacz W. **Nowotwory** 1986 Oct–Dec;36(4):320–4 (Eng. Abstr.) (Pol)

ECONOMICS

[Management of electron accelerators for radiotherapy. Data as of 31 December 1984] Novario R, et al. **Radiol Med (Torino)** 1987 Jan–Feb;73(1–2):76–82 (Eng. Abstr.) (Ita)

HISTORY

Physical aspects of radiation treatment. Some past and present developments with implications for the future.

Laughlin JS. **Am J Clin Oncol** 1986 Dec;9(6):463–75

INSTRUMENTATION

Equipment for radiation surgery using narrow 185 MeV proton beams. Dosimetry and design. Larsson B, et al. **Acta Oncol** 1987;26(2):143–58

The MEDICYC programme. Mandrillon P, et al. **Bull Cancer (Paris)** 1986;73(5):596–9

Radiotherapeutic computed tomography with scanned photon beams. Brahme A, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):95–101

Trends in radiation therapy demographics—1974 to 1983. Diamond JJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1673–4

Choice of optimum megavoltage for accelerators for photon beam treatment. Laughlin JS, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1551–7

What's the optimum choice? [editorial] Suit HD. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1711–2

Megavoltage radiotherapy using water bolus in the treatment of Kaposi's sarcoma. Weshler Z, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2029–32

Static multileaf collimator for fast-neutron therapy. Chu JC, et al. **Med Phys** 1987 Mar–Apr;14(2):289–90

[Field control films for ultra-hard x-rays] Breitling G, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986;125:214–9 (14 ref.) **(Ger)**

[Field-integrated dose modification. 1: Clinical significance of the procedure] Brix F, et al. **Strahlenther Onkol** 1987 Jun;163(6):391–9 (Eng. Abstr.) **(Ger)**

[Report on the planned supply of radiotherapy equipment in Baden-Württemberg] Hoberg R. **Strahlenther Onkol** 1986 Oct;162(10):656–9 **(Ger)**

[Chest wall moulages for radiotherapy of resected breast cancer with fast electrons: comparative tests of different materials] Niewald M, et al. **Strahlenther Onkol** 1986 Oct; 162(10):605–12 (Eng. Abstr.) **(Ger)**

[Instrument and technology of external radiotherapy] Matsuda T. **Gan No Rinsho** 1987 Mar;Spec No:108–22 **(Jpn)**

[A technic of pelvic irradiation in cervical cancer using the Neptum 10P accelerator] Marzecki Z, et al. **Nowotwory** 1986 Jul–Sep;36(3):211–6 (Eng. Abstr.) **(Pol)**

[Spiral comb filter] Khoroshkov VS, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):76–80 (Eng. Abstr.) **(Rus)**

[Principle of neutron teletherapy with the Soviet U-120 cyclotron] Letov VN, et al. **Med Radiol (Mosk)** 1987 Jun; 32(6):27–33 (Eng. Abstr.) **(Rus)**

METHODS

Calculation and application of point spread functions for treatment planning with high energy photon beams. Ahnesjö A, et al. **Acta Oncol** 1987 Jan–Feb;26(1):49–56

Ovarian cancer: a comparison of two techniques for postoperative whole abdominal radiotherapy. Feigen M. **Australas Radiol** 1986 May;30(2):103–8

Further backscatter studies and their application in megavoltage photon therapy. Weatherburn H. **Br J Radiol** 1985 Aug;58(692):783–5

Electron arc therapy: beam data requirements and treatment planning. Lam KS, et al. **Clin Radiol** 1987 Jul;38(4):379–83

Technical and practical considerations in the radiotherapy of children. Donaldson SS, et al. **Front Radiat Ther Oncol** 1987;21:256–69

Spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior 60Co supraclavicular field. Mills MD, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1571–5

Technique for verifying treatment fields using portal images with diagnostic quality. Shiu AS, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1589–94

Stereotactic percutaneous single dose irradiation of brain metastases with a linear accelerator. Sturm V, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):279–82

Intraoperative radiation therapy. Kirchner AB, et al. **J Med Assoc Ga** 1986 Aug;75(8):512–4

The first simultaneous intraoperative hyperthermia and radiotherapy procedure: dog experiment and technique. Ashayeri E, et al. **J Natl Med Assoc** 1987 Jun;79(6):619–24

Technique of postoperative pelvic radiation in the management of rectal and rectosigmoid carcinoma. Kumar PP, et al. **J Natl Med Assoc** 1987 Jun;79(6):609–15

Rotational subtotal skin electron beam therapy for management of carcinoma en cuirasse. Kumar PP, et al. **J Natl Med Assoc** 1987 Jul;79(7):705–11

Stopping power data for high-energy photon beams. Andreo P, et al. **Phys Med Biol** 1986 Aug;31(8):839–58

Radiation therapy of ovarian carcinoma: presentation of a six-field technique. Einhorn N, et al. **Radiother Oncol** 1986 Oct;7(2):125–31

Dose reconstruction of x-ray irradiation of the larynx. Takácsi-Nagy L, et al. **Strahlenther Onkol** 1987 May; 163(5):321–3

[Carcinoma of esophagus treated by 8MV X-ray and checked by simulator] Yin WB, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):474–6 (Eng. Abstr.) **(Chi)**

[Value of neutrons and high-energy linear transfer irradiation in anticancer therapy: radiobiological characteristics] Van Dam J. **Bull Mem Acad R Med Belg** 1986;141(3–4):303–13 **(Fre)**

[Electron partial- amd total-skin irradiation (Tübinger method)] Christ G. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:240–9 **(Ger)**

[Radiation physics and clinical aspects of whole body irradiation] Christ G, et al. **Radiobiol Radiother (Berl)** 1986; 27(6):677–82 (Eng. Abstr.) **(Ger)**

[Method of rotation-scanning proton irradiation of esophageal cancer and outlook for its application to the irradiation of tumors at other sites] Astrakhan BV. **Med Radiol (Mosk)** 1987 Aug;32(8):85–7 **(Rus)**

[Fractionated proton radiotherapy] Austin-Seymour M, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):88–94 (23 ref.) (Eng. Abstr.) **(Rus)**

[Experience in the treatment of eye tumors using a narrow medical proton beam] Brovkina AF, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):61–6 (Eng. Abstr.) **(Rus)**

[Topographic and dosimetric considerations in different methods of proton irradiation] Khoroshkov VS, et al. **Med Radiol (Mosk)** 1987 Aug;32(8):70–6 (Eng. Abstr.) **(Rus)**

[Proton stereotaxic therapy of cerebral arteriovenous aneurysms] Lobaev IA, et al. **Med Radiol (Mosk)** 1987 Aug; 32(8):22–6 (Eng. Abstr.) **(Rus)**

TRENDS

[Heavy particle therapy: historical aspects and outlook] Raju MR. **Med Radiol (Mosk)** 1987 Aug;32(8):6–9 **(Rus)**

VETERINARY

Ophthalmic complications following megavoltage irradiation of the nasal and paranasal cavities in dogs. Roberts SM, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):43–7

RADIOTHERAPY, INTERSTITIAL see **BRACHYTHERAPY**

RADIOTHERAPY, INTRACAVITY see **BRACHYTHERAPY**

RADIOTHERAPY PLANNING, COMPUTER-ASSISTED see under **RADIOTHERAPY, COMPUTER-ASSISTED**

RADIOTHERAPY, SURFACE see **BRACHYTHERAPY**

RADIUM

Leaching of 226Ra from U mill tailings by sulfate-reducing bacteria. Landa ER, et al. **Health Phys** 1986 Oct; 51(4):509–18

The dosimetry of 224Ra in mouse bone. Humphreys ER, et al. **Int J Radiat Biol** 1986 Oct;50(4):621–9

British accident practice with radium [news] Johnston K. **Nature** 1987 Jul 23–29;328(6128):284

ADMINISTRATION & DOSAGE

Single radium insertion for treatment of early carcinoma of the cervix: rationale and results. Bond WH, et al. **Clin Radiol** 1986 Nov;37(6):573–7

The association of curietherapy and surgery in the treatment of endometrium carcinoma. Debois JM. **Strahlenther Onkol** 1986 Sep;162(9):540–8

ADVERSE EFFECTS

Radium luminizers [letter] Sorahan T. **J Occup Med** 1986 Dec;28(12):1202

Leukemia and groundwater contamination [letter] Lyman GH, et al. **JAMA** 1986 Nov 21;256(19):2676–7

Studies illuminate hazards of ingested radiation [news] Merz B. **JAMA** 1987 Aug 7;258(5):584

ANALYSIS

Ra-226 concentrations in otter, Lutra canadensis, trapped near uranium tailings at Elliot Lake, Ontario. Wren CD, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):209–12

Radium-226 contents and Rn emanation coefficients of particle-size fractions of alkaline, acid and mixed U mill tailings. Landa ER. **Health Phys** 1987 Mar;52(3):303–10

Predicting the occurrence of 228Ra in ground water. Michel J, et al. **Health Phys** 1986 Dec;51(6):715–21

Correlation between 226Ra in soil, 222Rn in soil gas, and 222Rn inside adjacent houses. Nason R, et al. **Health Phys** 1987 Jan;52(1):73–7

Ground-water concentrations of 226Ra and 222Rn in North Carolina phosphate lands. Watson JE Jr, et al. **Health Phys** 1987 Mar;52(3):361–5

METABOLISM

Transfer coefficient of 226Ra from food to young weaned meadow voles, Microtus pennsylvanicus, in the laboratory. Burns B, et al. **Health Phys** 1987 Feb;52(2):207–11

THERAPEUTIC USE

Early effects of radium therapy on natural killer (NK) activity in patients with gynaecological malignancies. Frydecka I, et al. **Folia Haematol (Leipz)** 1986; 113(4):499–505

Volume correction factor in time dose relationships in brachytherapy. Supe SJ, et al. **Strahlenther Onkol** 1987 May;163(5):309–13

[Results of radiation therapy in cervix carcinoma with reference to side effects] Kutzner J, et al. **Strahlenther Onkol** 1986 Sep;162(9):549–54 (Eng. Abstr.) **(Ger)**

TOXICITY

The prediction of the relative toxicities of radium 224 and of radium 226 in the bones of mice using Monte Carlo techniques. Priest ND. **Br J Radiol** 1987 Jul;60(715):677–80

RADIUS

The function of the antebrachial interosseous membrane. Werner JA, et al. **Anat Embryol (Berl)** 1987;176(1):127–31

Radiocarpal osteoarthritis associated with bilateral bipartite carpal scaphoid bones: a case report. Richards RR, et al. **Can J Surg** 1987 Jul;30(4):289–91

Isolated blastomycotic osteomyelitis: a case simulating a malignant tumor of the distal radius. Monsanto EH, et al. **J Hand Surg [Am]** 1986 Nov;11(6):896–8

Treatment of giant cell tumor of the distal radius by ulnar translocation. A case report and review of the literature. Lalla RN, et al. **Orthopedics** 1987 May;10(5):735–9

Radiologic case. study. Congenital radioulnar synostosis. Okrent DH, et al. **Orthopedics** 1986 Oct;9(10):1452, 1455–6

[Metastasis of laryngeal cancer to the radius] Bitiutskil PG, et al. **Vestn Otorinolaringol** 1987 May-Jun;(3):74–5 **(Rus)**

ABNORMALITIES

Holt-Oram syndrome with high myopia. A hitherto unreported association in a Chinese patient. Sun QB, et al. **Am J Med** 1987 Feb;82(2):326–8

Radial ray defect and Duane anomaly: report of a family with autosomal dominant transmission. MacDermot KD, et al. **Am J Med Genet** 1987 Jun;27(2):313–9

Long-term review of the surgical treatment of radial deficiencies. Bayne LG, et al. **J Hand Surg [Am]** 1987 Mar; 12(2):169–79

Congenital radio-ulnar synostosis: compensatory rotation around the wrist and rotation osteotomy. Ogino T, et al. **J Hand Surg [Br]** 1987 Jun;12(2):173–8

Thrombocytopenia and absent radius (TAR) syndrome. Hall JG. **J Med Genet** 1987 Feb;24(2):79–83

Upper limb-cardiovascular syndrome with ulna aplasia. Distefano G, et al. **Rays** 1985 May-Aug;10(2):35–9

[Congenital superior radioulnar synostoses. A study of 43 cases] Griffet J, et al. **Int Orthop** 1986;10(4):265–9 (Eng. Abstr.) **(Fre)**

[Congenital radio-ulnar synostosis] Richter R, et al. **Fortschr Med** 1986 Oct 2;104(37):692–4 (Eng. Abstr.) **(Ger)**

[Methods of surgical treatment of congenital radioulnar synostosis] Abakarov AA, et al. **Ortop Travmatol Protez** 1987 Jan;(1):36–7 **(Rus)**

[Combined 2d-type TAR syndrome, factor X deficiency, immune deficiency and mitral valve prolapse] Barkagan ZS, et al. **Ter Arkh** 1986;58(9):137–41 **(Rus)**

[Clinical and genetic study of malformations of the radial axis] Renteria M, et al. **Bol Med Hosp Infant Mex** 1986 Aug;43(8):489–96 (Eng. Abstr.) **(Spa)**

ANALYSIS

Measurement of bone mineral content in the term and preterm infant. Vyhmeister NR, et al. **Am J Dis Child** 1987 May;141(5):506–10

Dynamic bone loading exercises for postmenopausal women: effect on the density of the distal radius. Ayalon J, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):280–3

BLOOD SUPPLY

The pattern of distribution of blood flow in dog limb bones measured using microspheres. Tothill P, et al. **Clin Phys Physiol Meas** 1987 Aug;8(3):239–47

GROWTH & DEVELOPMENT

Variance of radial growth in vascularized and nonvascularized free bone grafts including epiphysis in puppies. Hahn SB, et al. **J Reconstr Microsurg** 1987 Apr; 3(3):247–51

INJURIES

Radial head subluxation. David ML. **Am Fam Physician** 1987 Apr;35(4):143–6

Effect of a static magnetic field on fracture healing in a rabbit radius. Preliminary results. Bruce GK, et al. **Clin Orthop** 1987 Sep;(222):300–6

Isolated traumatic anterior dislocation of the radial head—a mechanism of injury in children. Stanley D. **Injury** 1986 May;17(3):182–3

Operation for chronic dislocation of the radial head in children. Reduction by osteotomy of the ulna. Hirayama T, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):639–42

Acute traumatic bowing fracture of the forearm. Scheuer M, et al. **Neth J Surg** 1986 Oct;38(5):158–9

[Results of surgical treatment of inveterate traumatic dislocation of the radial head in children] Dungl P. **Acta Chir Orthop Traumatol Cech** 1987 Apr;54(2):167–73

(Eng. Abstr.) (Cze)
[Replacement of the head of the radius with a silicone endoprosthesis] Mowschowitsch IA, et al. **Beitr Orthop Traumatol** 1987 Mar;34(3):131–4 (Eng. Abstr.) (Ger)
[Anatomo-histologic basis for the surgical treatment of neglected Monteggia injuries in children] Ovsiankin NA, et al. **Ortop Travmatol Protez** 1987 Jan;(1):11–3 (Eng. Abstr.) (Rus)
[Rare type of injuries of forearm bones] Klezis VIa. **Vestn Khir** 1987 Mar;138(3):93–4 (Rus)

PATHOLOGY

Bone density of the radius, spine, and hip in relation to percent of ideal body weight in postmenopausal women. Dawson-Hughes B, et al. **Calcif Tissue Int** 1987 Jun; 40(6):310–4
The distal radioulnar joint. Anatomy, biomechanics, and triangular fibrocartilage complex abnormalities. Palmer AK. **Hand Clin** 1987 Feb;3(1):31–40

PHYSIOLOGY

[Positional relations of the distal radius epiphysis and the distal end of the ulna] Koebke J, et al. **Z Orthop** 1987 Jan–Feb;125(1):82–4 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Force transmission through the distal radioulnar carpal joint: effect of ulnar lengthening and shortening. Werner FW, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):304–8

RADIOGRAPHY

The value of the Radial Head–Capitellum view in radial head trauma. Grundy A, et al. **Br J Radiol** 1985 Oct; 58(694):965–7
Lateral idiopathic subluxation of the radial head. Case report. Lancaster S, et al. **Clin Orthop** 1987 Jan;(214):170–4
Radial head views: an alternative. Jack LM, et al. **Radiography** 1986 Sep–Oct;52(605):246–7
Radial head–capitellum view: an expanded imaging approach to elbow injury. Greenspan A, et al. **Radiology** 1987 Jul; 164(1):272–4
Computed tomography diagnosis of distal radioulnar subluxation. Wechsler RJ, et al. **Skeletal Radiol** 1987; 16(1):1–5
[Modified profiles of the elbow in traumatology. The value of the radial head–capitellum view and a new coronoid–trochlea view] Guilbeau JC, et al. **J Radiol** 1986 May;67(5):439–44 (Eng. Abstr.) (Fre)
[Monostotic Paget's disease] Thorud E, et al. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):151–2 (Eng. Abstr.) (Nor)

RADIONUCLIDE IMAGING

The relation of forearm mineral density to peripheral fractures in postmenopausal women. Nordin BE, et al. **Med J Aust** 1987 Mar 16;146(6):300–4
Is there a place for forearm osteodensitometry in clinical screening studies? Robinson B, et al. **Med J Aust** 1987 Mar 16;146(6):297–300

SURGERY

Autogenous fibula grafting of a radial defect complicating acute hematogenous osteomyelitis in a child. Müller-Färber JA, et al. **Arch Orthop Trauma Surg** 1987;106(3):186–91
The stability of the elbow following excision of the radial head and transection of the annular ligament. An experimental study. Søjbjerg JO, et al. **Arch Orthop Trauma Surg** 1987;106(4):248–50
A reappraisal of synovectomy and radial-head excision in rheumatoid arthritis. Summers GD, et al. **Br J Rheumatol** 1987 Feb;26(1):59–61
Fibular reconstruction for giant cell tumor of the distal radius. Lackman RD, et al. **Clin Orthop** 1987 May; (218):232–8
Vascularized fibular epiphyseal transfer. A clinical study. Tsai TM, et al. **Clin Orthop** 1986 Sep;(210):228–34
Evolution of a case of multicentric giant cell tumor over a 23-year period. Wu KK, et al. **Clin Orthop** 1986 Dec; (213):279–88
The distal radioulnar joint. Hagert CG. **Hand Clin** 1987 Feb; 3(1):41–50
Resection of the radial head for fracture of the radial head. Long-term follow-up of seventeen cases. Coleman DA, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):385–92
Madelung's deformity: treatment by osteotomy of the radius and Lauenstein procedure. White GM, et al. **J Hand Surg [Am]** 1987 Mar;12(2):202–4
Porous hydroxyapatite as a bone graft substitute in diaphyseal defects: a histometric study. Holmes RE, et al. **J Orthop Res** 1987;5(1):114–21
Valgus stability of the elbow. Hotchkiss RN, et al. **J Orthop Res** 1987;5(3):372–7
Non-union of the scaphoid treated with styloidectomy and compression screw fixation. Broström LA, et al. **Scand J Plast Reconstr Surg** 1986;20(3):289–91
Bone growth after free vascularized grafting of the upper radius including its epiphysis in puppies. Hahn SB. **Yonsei Med J** 1986;27(4):283–91
[Analysis of the tension of the elbow joint before and after resection of the radius head] Rohlmann A, et al. **Biomed Tech (Berlin)** 1986 Oct;31(10):230–9 (Eng. Abstr.) (Ger)
[Corrective osteotomies of the distal forearm] Behrens S, et al. **Unfallchirurg** 1987 Jan;90(1):6–13 (Eng. Abstr.) (Ger)
[Post-traumatic proximal radio-ulnar synostosis] Rustemeier M. **Unfallchirurgie** 1986 Aug;12(4):220–4 (Eng. Abstr.) (Ger)
[Correction of angular deformities caused by premature closure of the distal ulnar epiphyseal plate in dogs] Fjeld T. **Nord Vet Med** 1986 Jul–Aug;38(4):201–8 (Eng. Abstr.) (Nor)
[Endoprosthesis in comminuted fractures of the radial head and neck] Drachuk PS, et al. **Ortop Travmatol Protez** 1986 Aug;(8):16–8 (Eng. Abstr.) (Rus)
[Replacement of the radial head with a silicone implant] Movshovich IA, et al. **Ortop Travmatol Protez** 1986 Aug; (8):12–5 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Reconstruction of the middle third of mandible. Frame JD, et al. **Br J Plast Surg** 1987 May;40(3):274–7
Wrist arthrodesis using dorsal radial bone graft. Wood MB. **J Hand Surg [Am]** 1987 Mar;12(2):208–12
Vascularized bone graft pedicled on the volar carpal artery for non-union of the scaphoid. Kuhlmann JN, et al. **J Hand Surg [Br]** 1987 Jun;12(2):203–10
[Transposition of pedicled vascular periosteum in the treatment of non-union of forearm and hand bones] Zhu SX, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):732–3, 780–1 (Eng. Abstr.) (Chi)

ULTRASTRUCTURE

Ultrastructural investigation of experimental non-union of fractures. A transmission electron microscopic study. Chai BF, et al. **Chin Med J [Engl]** 1986 Mar;99(3):207–14

RADIUS FRACTURES

Colles' fracture. Millard IL. **J Arkansas Med Soc** 1986 Nov; 83(6):252–7
Fractures of the distal radius with anterior displacement: Smith's and Barton's fractures. Ametewee K. **J R Coll Surg Edinb** 1986 Dec;31(6):351–4

CLASSIFICATION

Intra-articular fractures of the distal end of the radius in young adults [letter] Davis TR. **J Bone Joint Surg [Am]** 1987 Jun;69(5):791

COMPLICATIONS

Irreducible fracture of the wrist in a child. Entrapment of the extensor tendons. Karlsson J, et al. **Acta Orthop Scand** 1987 Jun;58(3):280–1
Median nerve compression by volarly displaced fragments of the distal radius. Paley D, et al. **Clin Orthop** 1987 Feb; (215):139–47
Simultaneous type II Monteggia lesion and fracture-separation of the lower radial epiphysis. Kristiansen B, et al. **Injury** 1986 Jan;17(1):51–2
Midcarpal instability following malunion of a fracture of the distal radius. A case report. Minami A, et al. **Ital J Orthop Traumatol** 1986 Dec;12(4):473–7
Acute compartment syndrome of the forearm in association with fracture of the distal end of the radius. Report of two cases. Shall J, et al. **J Bone Joint Surg [Am]** 1986 Dec; 68(9):1451–4
Extensor tendon involvement in Smith's and Galeazzi's fractures. Itoh Y, et al. **J Hand Surg [Am]** 1987 Jul; 12(4):535–40
Volar intercalary carpal instability following a seemingly innocent wrist fracture. Brown IW. **J Hand Surg [Br]** 1987 Feb;12(1):54–6
Multiple flexor tendon ruptures following Colles' fracture: a case report. Diamond JP, et al. **J Hand Surg [Br]** 1987 Feb;12(1):112–4
Osteoporosis and Colles' fractures in the elderly. Dias JJ, et al. **J Hand Surg [Br]** 1987 Feb;12(1):57–9
Rupture of flexor digitorum profundus to the index finger after a distal radial fracture. Rymaszewski LA, et al. **J Hand Surg [Br]** 1987 Feb;12(1):115–6
Fracture of the distal radial physis complicated by compartment syndrome and premature physeal closure. Hernandez J Jr, et al. **J Pediatr Orthop** 1986 Sep–Oct; 6(5):627–30
Radio-ulnar synostosis following fracture displacement of proximal radial epiphysis. Khan MR. **J R Coll Surg Edinb** 1986 Oct;31(5):317–9
Radial fracture healing with angular deformity. FitzGibbons R, et al. **Orthopedics** 1987 Jan;10(1):217–20
Neural involvement in fractures of the distal radius. Stark WA. **Orthopedics** 1987 Feb;10(2):333–5
The development of post-traumatic cyst-like lesions in bone. Phillips CD, et al. **Skeletal Radiol** 1986;15(8):631–4

DRUG THERAPY

The use of an oral prostaglandin inhibitor following splintage in fractures of the distal radius--a prospective trial. Thomas AP, et al. **Injury** 1986 May;17(3):179–81

ETIOLOGY

Postural stability and Colles' fracture. Crilly RG, et al. **Age Ageing** 1987 May;16(3):133–8
Morbidity in the forearm flap donor arm. Boorman JG, et al. **Br J Plast Surg** 1987 Mar;40(2):207–12
Epidemics of fractures during periods of snow or ice [letter] Meara J, et al. **Br Med J [Clin Res]** 1986 Oct 4; 293(6551):883
Fatigue fracture of the distal part of the radius in a pool player. Orloff AS, et al. **Injury** 1986 Nov;17(6):418–9
Fractured long bones in a term infant delivered by cesarian section. Kaplan M, et al. **Pediatr Radiol** 1987;17(3):256–7

METABOLISM

Regional bone mineral density changes after Colles' and forehand fractures. Finsen V, et al. **J Hand Surg [Br]** 1986 Oct;11(3):357–9

OCCURRENCE

Colles' fracture as an indicator of increased risk of hip fracture. An epidemiological study. Finsen V, et al. **Ann Chir Gynaecol** 1987;76(2):114–8

PATHOLOGY

Ultrastructural investigation of experimental fracture healing. Role of osteogenesis played by fibroblasts. Chai BF, et al. **Chin Med J [Engl]** 1986 Feb;99(2):126–32
Ultrastructural investigation of experimental non-union of fractures. A transmission electron microscopic study. Chai BF, et al. **Chin Med J [Engl]** 1986 Mar;99(3):207–14

PHYSIOPATHOLOGY

Cross-union complicating fracture of the forearm. Part II: Children. Vince KG, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):654–61
Cross-union complicating fracture of the forearm. Part I: Adults. Vince KG, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):640–53
A biomechanical study of distal radial fractures. Short WH, et al. **J Hand Surg [Am]** 1987 Jul;12(4):529–34
[Crystallinity of hydroxyapatite in the callus during spontaneous healing of fractures] Shi GD. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):343–5, 384 (Eng. Abstr.) (Chi)
[Secondary arthrosis of the wrist joint in malposition of healed and un-corrected fracture of the distal radius] Martini AK. **Aktuel Traumatol** 1986 Aug;16(4):143–8 (Eng. Abstr.) (Ger)

RADIOGRAPHY

The value of the Radial Head–Capitellum view in radial head trauma. Grundy A, et al. **Br J Radiol** 1985 Oct; 58(694):965–7
Fractures and dislocations of the forearm. Curtis RJ Jr, et al. **Clin Sports Med** 1986 Oct;5(4):663–80
Angulation of the radius in children's fractures. Roberts JA. **J Bone Joint Surg [Br]** 1986 Nov;68(5):751–4
Recognition of two types of Galeazzi fracture-dislocation and their management. Chattopadhyay A, et al. **J Indian Med Assoc** 1986 Oct;84(10):307–8
Radial head views: an alternative. Jack LM, et al. **Radiography** 1986 Sep–Oct;52(605):246–7
Coralline hydroxyapatite bone graft substitutes in a canine diaphyseal defect model: radiographic features of failed and successful union. Sartoris DJ, et al. **Skeletal Radiol** 1986; 15(8):642–7
[Bilateral bipartite scaphoid bone. A case report] Steen M, et al. **Unfallchirurg** 1986 Aug;89(8):361–4 (Eng. Abstr.) (Ger)

REHABILITATION

Fractures of the distal radius. Intermediate and end results in relation to radiologic parameters. Porter M, et al. **Clin Orthop** 1987 Jul;(220):241–52
Three years after Colles' fracture. A prospective review. Villar RN, et al. **J Bone Joint Surg [Br]** 1987 Aug; 69(4):635–8
[Occupational therapy after-care in distal radius fractures] Dembski H, et al. **Beitr Orthop Traumatol** 1986 Aug; 33(8):391–3 (Eng. Abstr.) (Ger)

SURGERY

Internal fixation of forearm fractures in children. Vainionpää S, et al. **Acta Orthop Scand** 1987 Apr;58(2):121–3
Study on the external fixator in the treatment of the fractures of the inferior end of the two bones of the adult's forearm. Report of fifty-five cases. Rossillon D, et al. **Ann Chir Main** 1987;6(1):25–30 (Eng, Fre)
Comminuted Colles' fractures treated with external fixation. Kongsholm J, et al. **Arch Orthop Trauma Surg** 1987; 106(4):220–5
Results of treatment of fracture-dislocations of the elbow. Broberg MA, et al. **Clin Orthop** 1987 Mar;(216):109–19
Radiocarpal fracture-dislocation [letter] Schweitzer G. **Clin Orthop** 1987 Mar;(216):298–9
Intramedullary forearm nailing. Street DM. **Clin Orthop** 1986 Nov;(212):219–30
A rational approach for the recognition and treatment of Colles' fracture. Weber ER. **Hand Clin** 1987 Feb;3(1):13–21

The prevention and treatment of complications from fractures of the distal radius and ulna. Zemel NP. **Hand Clin** 1987 Feb;3(1):1–11

Bipolar fixation of fractures of the distal radius: preliminary results. Pring DJ, et al. **Injury** 1986 Sep;17(5):353–8

Resection of the radial head for fracture of the radial head. Long-term follow-up of seventeen cases. Coleman DA, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):385–92

Severely comminuted distal radial fracture [letter] Coorey WP. **J Hand Surg [Am]** 1987 Jul;12(4):645–6

Flexor digitorum profundus entrapment after closed treatment of a displaced Colles' fracture. Stuart MJ, et al. **J Hand Surg [Am]** 1987 May;12(3):413–5

Operative treatment of unstable distal radial fractures. Lacroix H, et al. **Neth J Surg** 1987 Apr;39(2):59–64

[Bandaging of Colles' fracture with plaster of Paris. Low dorsal bracing versus high circular plaster of Paris] Sørensen JL, et al. **Ugeskr Laeger** 1986 Oct 27; 148(44):2825–7 (Eng. Abstr.) **(Dan)**

[The use of silicone prostheses in comminutive fracture of the radial head] van Beek AJ, et al. **Ned Tijdschr Geneeskd** 1986 Oct 4;130(40):1797–800 (Eng. Abstr.) **(Dut)**

[The use of silicon prostheses in comminuted fractures of the radial head (letter)] Verhaar JA. **Ned Tijdschr Geneeskd** 1986 Dec 13;130(50):2278 **(Dut)**

[Intra-focal pinning of fractures of the distal end of the radius 10 years later] Kapandji A. **Ann Chir Main** 1987;6(1):57–63 (Eng. Abstr.) **(Fre)**

[Comparative study of 3 therapeutic methods for Pouteau Colles' fracture. Apropos of 97 cases] Kerboul B, et al. **J Chir (Paris)** 1986 Jun-Jul;123(6-7):428–34 (Eng. Abstr.) **(Fre)**

[Pseudarthrosis of the lower end of the radius due to interposition of the long extensor of the thumb] de La Caffinière JY, et al. **Rev Chir Orthop** 1986;72(7):505–8 (Eng. Abstr.) **(Fre)**

[Horizontal cubito-radial pinning in fractures of the distal radius including a postero-internal fragment] Mortier JP, et al. **Rev Chir Orthop** 1986;72(8):567–72 (Eng. Abstr.) **(Fre)**

[Stable elastic intramedullary nailing in the treatment of fractures of long bones in children] Bigler A. **Rev Med Suisse Romande** 1987 Jan;107(1):47–52 **(Fre)**

[Bore wire osteosynthesis in distal radius fractures] Hermichen HG, et al. **Aktuel Traumatol** 1987 Jun; 17(3):109–12 (Eng. Abstr.) **(Ger)**

[Bore wire osteosynthesis in distal radius fracture] Knigge-Barrios H, et al. **Aktuel Traumatol** 1987 Jun; 17(3):105–8 (Eng. Abstr.) **(Ger)**

[Choice of surgical procedure of the distal radius. Bore wire versus plate] Letsch R, et al. **Aktuel Traumatol** 1987 Jun; 17(3):113–9 (Eng. Abstr.) **(Ger)**

[Complete forearm fractures in childhood] Langenborg R. **Beitr Orthop Traumatol** 1987 May;34(5):254–8 (Eng. Abstr.) **(Ger)**

[Intrafocal wiring of fractures of the wrist joint] Nonnenmacher J, et al. **Handchir Mikrochir Plast Chir** 1987 Mar;19(2):67–70 (Eng. Abstr.) **(Ger)**

[Fragment dislocation and surgical indications in segmental fractures of the radial head] Schwarz N. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):319–22 (Eng. Abstr.) **(Ger)**

[Corrective osteotomies of the distal forearm] Behrens S, et al. **Unfallchirurg** 1987 Jan;90(1):6–13 (Eng. Abstr.) **(Ger)**

[Mycoplasma etiology of acute pancreatitis] Handrick W, et al. **Z Gesamte Inn Med** 1986 Nov 1;41(21):611–2 (Eng. Abstr.) **(Ger)**

[Optimal treatment of radial head fractures in relation to age] Scharplatz D, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(4):261–3 **(Ger)**

[Isolated transient paralysis of the musculus flexor pollicis longus following plate osteosynthesis of the radius] Gordán F, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):224–8 (Eng. Abstr.) **(Hun)**

[Combined fracture-dislocations of the upper end of the radius and ulna] Pimpinelli G, et al. **Arch Putti Chir Organi Mov** 1985;35:217–24 (Eng. Abstr.) **(Ita)**

[Endoprosthesis in comminuted fractures of the radial head and neck] Drachuk PS, et al. **Ortop Travmatol Protez** 1986 Aug;(8):16–8 (Eng. Abstr.) **(Rus)**

[Extrafocal transosseous compression-distraction osteosynthesis in diaphyseal fractures of both forearm bones] Mizak ST, et al. **Ortop Travmatol Protez** 1986 Aug; (8):34–6 (Eng. Abstr.) **(Rus)**

THERAPY

Functional treatment of Colles fracture. de Bruijn HP. **Acta Orthop Scand [Suppl]** 1987;223:1–95 (203 ref.)

Displaced intraarticular fractures of the distal radius. Bassett RL. **Clin Orthop** 1987 Jan;(214):148–52

Bier's block--an improved technique. Eastwood D, et al. **Injury** 1986 May;17(3):187–8

"The crooked straight": distal radial remodelingSchock CC. **J Arkansas Med Soc** 1987 Jul;84(2):97–100

Dynamic external fixation for comminuted intra-articular fractures of the distal end of the radius. Clyburn TA. **J Bone Joint Surg [Am]** 1987 Feb;69(2):248–54

The value of early mobilisation in the treatment of Colles' fractures. Dias JJ, et al. **J Bone Joint Surg [Br]** 1987 May; 69(3):463–7

External fixation of Colles' fractures. An anatomical study. Jenkins NH, et al. **J Bone Joint Surg [Br]** 1987 Mar; 69(2):207–11

Management of Colles fractures [editorial] **Lancet** 1987 Aug 1;2(8553):255–6

[Application of a reduction-fixation apparatus for delayed union and non-union of long bone shaft of the extremities] Guo XD, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Oct; 24(10):577–9, 637 (Eng. Abstr.) **(Chi)**

[Fractures of the upper part of the radius in children] Robert M, et al. **Chir Pediatr** 1986;27(6):318–21 (Eng. Abstr.) **(Fre)**

[Quantification by biophysical studies of fracture healing following ultrasound stimulation of distal radius fractures] Klug W, et al. **Beitr Orthop Traumatol** 1986 Aug; 33(8):384–91 (Eng. Abstr.) **(Ger)**

[Conservative therapy of forearm fracture in the growth stage with special reference to the correlation of roentgenologic course, objective and subjective total results] Strickner M, et al. **Unfallchirurgie** 1986 Aug;12(4):176–83 (Eng. Abstr.) **(Ger)**

[Fractures of the proximal radial metaphysis in childhood] Falcone G, et al. **Arch Putti Chir Organi Mov** 1985; 35:209–16 (Eng. Abstr.) **(Ita)**

[Current aspects of treating closed diaphyseal fractures of the forearm bones] Dem'ianov VM, et al. **Ortop Travmatol Protez** 1986 Dec;(12):57–62 (41 ref.) **(Rus)**

[Treatment of fractures of the distal end of the radius in children] Petrov VG, et al. **Ortop Travmatol Protez** 1987 Jan;(1):14–6 (Eng. Abstr.) **(Rus)**

[Active treatment of distal radius fractures is the only way to reduce the number of remaining problems] af Ekenstam F, et al. **Lakartidningen** 1986 Sep 24;83(39):3254–7 **(Swe)**

[External fixation of comminuted Colles' fractures gives better results than conservative treatment] Kongsholm J, et al. **Lakartidningen** 1987 Apr 22;84(17):1454–7 (Eng. Abstr.) **(Swe)**

VETERINARY

Treatment of radial fractures in adult horses: an analysis of 15 clinical cases. Auer JA, et al. **Equine Vet J** 1987 Mar; 19(2):103–10

Repair of radius fractures: a measure of progress [editorial] Gerring EE, et al. **Equine Vet J** 1987 Mar;19(2):89–90

Radius fractures in the horse: a retrospective study of 47 cases. Sanders-Shamis M, et al. **Equine Vet J** 1986 Nov; 18(6):432–7

Cancellous bone grafting at plate removal to counteract stress protection. Lesser AS. **J Am Vet Med Assoc** 1986 Sep 15; 189(6):696–9

RADON

Contribution of radon and radon daughters to respiratory cancer. Harley N, et al. **Environ Health Perspect** 1986 Dec; 70:17–21

Indoor and soil Rn measurements in the Albuquerque, New Mexico, area. Brookins DG. **Health Phys** 1986 Oct; 51(4):529–33

Tests of the linear, no-threshold dose-response relationship for high-LET radiation. Cohen BL. **Health Phys** 1987 May; 52(5):629–36

Age-dependent lung doses from ingested 222Rn in drinking water. Crawford-Brown DJ. **Health Phys** 1987 Feb; 52(2):149–56

Moisture and 222Rn emanation. Fleischer RL. **Health Phys** 1987 Jun;52(6):797–9

More comments on Rn risk estimates in NCRP Report No. 77 [letter] Hull AP. **Health Phys** 1987 Feb;52(2):237

Radium-226 contents and Rn emanation coefficients of particle-size fractions of alkaline, acid and mixed U mill tailings. Landa ER. **Health Phys** 1987 Mar;52(3):303–10

Surface radioactivity resulting from the deposition of 222Rn daughter products. Lively RS, et al. **Health Phys** 1987 Apr; 52(4):411–5

Theoretical evaluation of the 222Rn emanation coefficient for coal fly ash. Maraziotis EA. **Health Phys** 1987 Mar; 52(3):297–302

Potable water as a source of airborne 222Rn in U.S. dwellings: a review and assessment. Nazaroff WW, et al. **Health Phys** 1987 Mar;52(3):281–95

Swedish limitation schemes to decrease Rn daughters in indoor air. Swedjemark GA. **Health Phys** 1986 Nov; 51(5):569–78

Indoor ventilation rates for 222Rn. Terilli TB, et al. **Health Phys** 1987 Jun;52(6):801–3

Seasonal variation of indoor Rn at a location in the southwestern United States [published erratum appears in Health Phys 1987 Aug;53(2):201] Wilkening M, et al. **Health Phys** 1986 Oct;51(4):427–36

Influence of the physical state and straggling on the computation of the radiation dose due to radon daughters deposited in the lung. Haque AK, et al. **Phys Med Biol** 1987 Aug;32(8):1001–9

Distribution of airborne radon-222 concentrations in U.S. homes. Nero AV, et al. **Science** 1986 Nov 21; 234(4779):992–7

[Lung cancer after irradiation: the radon problem] Jacobi W. **Naturwissenschaften** 1986 Nov;73(11):661–8 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[A method of calculating the irradiation of animals in experimental research on radon procedures] Andreev SV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul-Aug;(4):43–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Association of lung cancer mortality with precambrian granite. Archer VE. **Arch Environ Health** 1987 Mar-Apr; 42(2):87–91

Lung cancer risk from Rn in Chinese study [letter] Archer VE. **Health Phys** 1987 Jun;52(6):823

A Bayesian analysis or scientific judgment of uncertainties in estimating risk due to 222Rn in U.S. public drinking water supplies. Crawford-Brown DJ, et al. **Health Phys** 1987 Jul;53(1):11–21

Lung cancer risk at low doses of alpha particles. Hofmann W, et al. **Health Phys** 1986 Oct;51(4):457–68

Indoor exposure to radon from the ground and bronchial cancer in women. Svensson C, et al. **Int Arch Occup Environ Health** 1987;59(2):123–31

A case-control study of lung cancer relative to domestic radon exposure. Lees RE, et al. **Int J Epidemiol** 1987 Mar; 16(1):7–12

Radon gas and radon daughters pose potential environmental hazard. Brill DR. **J Nucl Med** 1987 Jul;28(7):1095–8

EPA guideline for indoor radon levels evokes response from nuclear medicine. Hanson B. **J Nucl Med** 1987 Jul; 28(7):1087–94

How serious is the indoor radon health hazard? [news] Goldsmith MF. **JAMA** 1987 Aug 7;258(5):578–9

'Deradiating' the former uranium capital [news] Merz B. **JAMA** 1987 Aug 7;258(5):583–4

New radon cancer hazard study no cause for alarm in Britain [news] Johnstone B. **Nature** 1987 Feb 5–11;325(6104):475

Indoor radon: a residential radiation dilemma. Brown DH. **NC Med J** 1987 Jan;48(1):25–7

Radon risk information and voluntary protection: evidence from a natural experiment. Johnson FR, et al. **Risk Anal** 1987 Mar;7(1):97–107

ANALYSIS

On the comparison of nuclear track and diffusion barrier charcoal adsorption methods for measurement of 222Rn levels in indoor air [letter] Alter HW, et al. **Health Phys** 1987 Aug;53(2):198–200

Radon-220 determination using activated C and a high-purity Ge detector. Bigu J. **Health Phys** 1986 Oct; 51(4):534–8

Soil water effects on concentration profiles and variations of 222Rn in a vadose zone. Fukui M. **Health Phys** 1987 Aug;53(2):181–6

Comments on "Radon-222 and 222Rn progeny concentrations measured in an energy-efficient house equipped with a heat exchanger" [letter] Gomaa MA. **Health Phys** 1987 Jan;52(1):105–6

Atmospheric 222Rn in tourist caves of Slovenia, Yugoslavia. Kobal I, et al. **Health Phys** 1987 Apr;52(4):473–9

The relationship between water-system size and 222Rn concentration in North Carolina public water supplies. Loomis DP. **Health Phys** 1987 Jan;52(1):69–71

EGARD: an environmental gamma-ray and 222Rn detector. Maiello ML, et al. **Health Phys** 1987 Sep;53(3):301–5

Measurement of 220Rn in exhaled breath of Th plant workers. Mayya YS, et al. **Health Phys** 1986 Dec; 51(6):737–44

Correlation between 226Ra in soil, 222Rn in soil gas, and 222Rn inside adjacent houses. Nason R, et al. **Health Phys** 1987 Jan;52(1):73–7

Radionuclide content of and 222Rn emanation from building materials made from phosphate industry waste products. Paredes CH, et al. **Health Phys** 1987 Jul;53(1):23–9

Indoor 222Rn measurements in the region of Beijing, People's Republic of China. Ren TS, et al. **Health Phys** 1987 Sep; 53(3):219–25

Indoor and outdoor 222Rn and 220Rn daughters in Hong Kong. Tso MY, et al. **Health Phys** 1987 Aug;53(2):175–80

Ground-water concentrations of 226Ra and 222Rn in North Carolina phosphate lands. Watson JE Jr, et al. **Health Phys** 1987 Mar;52(3):361–5

Radon in homes. Council on Scientific Affairs. **JAMA** 1987 Aug 7;258(5):668–72

HISTORY

[From the beginnings of radon therapy] Schüttmann W. **Z Gesamte Inn Med** 1986 Aug 15;41(16):451–6 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[An automated setup for preparing an aqueous solution of radon] Gusarov II, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May-Jun; (3):69–72 **(Rus)**

THERAPEUTIC USE

[External respiratory function based on capnographic data during radon bath treatment of patients with exogenous-constitutional obesity] Amirov RZ, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May-Jun; (3):55–7 (Eng. Abstr.) **(Rus)**

[The necessary ventilation regimens in facilities for performing radon baths] Andreev SV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr;(2):39–45 (Eng. Abstr.) **(Rus)**

[Treatment of chronic bronchitis patients with thermal radon waters] Eliseev VA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug;(4):57–9 **(Rus)**

[Diadynamomud and radon baths in the treatment of patients with neurologic manifestations of spinal osteochondrosis] Isaeva NF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov–Dec;(6):57–8 **(Rus)**

[Treatment using natural radon waters of patients with obliterating arterial diseases of the extremities] Polianskii BA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun;(3):53–5 (Eng. Abstr.) **(Rus)**

[Status of the neuromuscular system of patients with osteoarthrosis deformans during treatment with nitrogen–radon baths] Shavianidze GO. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):38–40 (Eng. Abstr.) **(Rus)**

[Effect of radon inhalation on the course of adjuvant polyarthritis in the rat] Shchelkunov AV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Jan–Feb;(1):40–3 (Eng. Abstr.) **(Rus)**

[Effect of radon baths and their combination with decimeter-wave therapy on the joint syndrome in rheumatoid arthritis] Tsarfis PG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr;(2):25–9 (Eng. Abstr.) **(Rus)**

[Radon therapy in the combined treatment of chronic traumatic osteomyelitis] Zhitnitskii RE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun;(3):63–4 **(Rus)**

TOXICITY

[Radiation–hygienic significance of radon in living quarters] Shalak NI. **Gig Sanit** 1986 Oct;(10):48–51 **(Rus)**

RAEB see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

RAEM see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

RAFFINOSE see under **OLIGOSACCHARIDES**

RAFOXANIDE see under **SALICYLAMIDES**

RAGE see under **ANGER**

RAGWORT see **SENECIO**

RAILLIETINA see **CESTODA**

RAILLIETINIASIS see **CESTODE INFECTIONS**

RAILROADS

A case-control study of lung cancer and diesel exhaust exposure in railroad workers. Garshick E, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1242–8

Asbestos-related mesothelioma risk among railroad workers [letter] Huncharek M. **Am Rev Respir Dis** 1987 Apr;135(4):983–4

Mite fauna of dust from passenger trains in Glasgow. Colloff MJ. **Epidemiol Infect** 1987 Feb;98(1):127–30

Estimation of maximum permissible loads to be carried by Indians of different ages. Samanta A, et al. **Ergonomics** 1987 May;30(5):825–31

An evaluation of tool design and method of use of railroad leverage tools on back stress and tool performance. Rockwell TH, et al. **Hum Factors** 1986 Jun;28(3):303–15

Health experience of compressed air workers during construction of the Mass Transit Railway in Hong Kong. Lo WK, et al. **J Soc Occup Med** 1987 Summer;37(2):48–51

Studies on motion sickness caused by high curve speed railway vehicles. Evaluation of the swing and its effects on passengers and conductors. Ueno M, et al. **Sangyo Igaku** 1986 Jul;28(4):266–74

Epidemiologic survey of vibration syndrome among riveters, chippers and grinders in the railroad system of the People's Republic of China. Yu ZS, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):289–92

A study of the atmosphere in London underground trains before and after the ban on smoking. Proctor C. **Toxicol Lett** 1987 Jan;35(1):131–4

[Lessons from the history of disability evaluation in the railway industry medical service] Hamr V. **Cesk Zdrav** 1986 Sep;34(8–9):395–8 (Eng. Abstr.) **(Cze)**

[Case reports of railway traffic deaths] Risse M, et al. **Arch Kriminol** 1986 Nov–Dec;178(5–6):151–6 **(Ger)**

[Phototoxic reactions in employees of the Polish railway service] Bachurzewska B, et al. **Derm Beruf Umwelt** 1987 Jan–Feb;35(1):24–6 (Eng. Abstr.) **(Ger)**

[Effect of Shinkansen litigation on complaints in the Shinkansen noise and vibration survey] Nakagawa T, et al. **Nippon Eiseigaku Zasshi** 1986 Jun;41(2):563–70 (Eng. Abstr.) **(Jpn)**

[Incidence of infectious asthma in transportation personnel] Waszkiewicz R. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):253–4 (Eng. Abstr.) **(Rum)**

[Characteristics of acute respiratory infection and influenza morbidity among the workers of the engine crews of the Moscow subway] Dubrovskaia TA, et al. **Gig Tr Prof Zabol** 1987 May;(5):21–4 (Eng. Abstr.) **(Rus)**

[Traumatism in railroad transportation and its prevention] Prokhorov AA, et al. **Gig Tr Prof Zabol** 1986 Nov;(11):37–40 (Eng. Abstr.) **(Rus)**

[Indices of the demand for orthodontic care and denture status of the builders and operators of the eastern portion of the Baikal–Amur mainline] Oskol'skii GI. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):76–7 **(Rus)**

[The mark of the action of the flange (rim) of a railroad wheel and its forensic medical significance] Porksheian OKh, et al. **Sud Med Ekspert** 1986 Jul–Sep;29(3):57–8 **(Rus)**

[A device for loading and unloading of wounded and sick patients] Kapitonov GI, et al. **Voen Med Zh** 1987 Feb;(2):67 **(Rus)**

[Hygienic evaluation of the nutrition of passenger train conductors] Novoderzhkina IuG, et al. **Vopr Pitan** 1987 May–Jun;(3):72–3 **(Rus)**

[Dispensarization of locomotive crewmembers with essential hypertension] Detsik IuI, et al. **Vrach Delo** 1987 Jan;(1):112–5 **(Rus)**

[Characteristics of hypertension in railway transportation workers] Logoveeva TN, et al. **Vrach Delo** 1986 Sep;(9):28–32 (Eng. Abstr.) **(Rus)**

[Organization and efficacy of secondary prevention of hypertension among railroad locomotive crews] Merzon AK, et al. **Vrach Delo** 1987 May;(5):121–3 **(Rus)**

HISTORY

Tragedy at Tunnel 13. The d'Autremont brothers and "The Edison of Crime Detection". Murphy GK. **Am J Forensic Med Pathol** 1987 Mar;8(1):71–4

The Florida East Coast Railway Hospital: a study of early corporate medicine, 1906–1963. Lockwood VA. **J Fla Med Assoc** 1987 Jul;74(7):499–503

[Mental disorders in railroad workers during the heroic age of railroad development in Hungary (1846–1914)] Pisztora F. **Orv Hetil** 1987 May 31;128(22):1157–60 **(Hun)**

STANDARDS

[Hygiene problems and their management on the German Federal Railway] Brinkrolf H. **Off Gesundheitswes** 1986 Aug;48(8):428–32 (Eng. Abstr.) **(Ger)**

[Hygienic evaluation of the conditions of subway transportation] Beleĭ LM. **Gig Sanit** 1986 Nov;(11):83–5 **(Rus)**

RAIN see under **WEATHER**

RALES see **RESPIRATORY SOUNDS**

RAMAN SPECTROSCOPY see **SPECTRUM ANALYSIS, RAMAN**

RANA see **RANIDAE**

RANA CATESBEIANA

ANATOMY & HISTOLOGY

Morphology of ventral epidermis of Rana catesbeiana during metamorphosis. Robinson DH, et al. **Anat Rec** 1987 Mar;217(3):305–17

A monoclonal antibody specific for a subpopulation of retinal bipolar cells in the frog and other vertebrates. Onoda N, et al. **Brain Res** 1987 Jul 28;416(2):359–63

Amphibian terminal nerve: distribution revealed by LHRH and AChE markers. Wirsig CR, et al. **Brain Res** 1986 Oct 15;385(1):10–21

Substance P-like immunoreactive fibers in the frog taste organs. Hirata K, et al. **Experientia** 1987 Apr 15;43(4):386–9

BLOOD

Elevation of plasma aldosterone levels of tadpoles at metamorphic climax. Kikuyama S, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):186–90

GENETICS

[Cloning of the entire mitochondrial genome of Rana catesbeiana and nucleotide sequencing of the URF2 and its flanking genes] Fujii H. **Nippon Ika Daigaku Zasshi** 1987 Jun;54(3):277–89 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Interrelationships among epidermal Na-K ATPase, developmental stage and length of Rana catesbeiana tadpoles. Casada JH, et al. **Comp Biochem Physiol [A]** 1986;85(3):429–33

Autolysis in the tail muscles of metamorphosing tadpoles. Komukai M, et al. **Comp Biochem Physiol [B]** 1986;85(1):55–9

In vivo regulation of hemoglobin phenotypes of developing Rana catesbeiana. Maples PB, et al. **Dev Biol** 1986 Oct;117(2):337–41

An epidermal factor which induces thyroid hormone-dependent regression of mesenchymal tissues of the tadpole tail. Niki K, et al. **Dev Biol** 1986 Nov;118(1):306–8

Hepatic iodothyronine 5-deiodinase activity in Rana catesbeiana tadpoles at different stages of the life cycle. Galton VA, et al. **Endocrinology** 1987 Jul;121(1):42–7

Effects of thyroid hormone, stalk section, and transplantation of the pituitary gland on plasma prolactin levels at metamorphic climax in Rana catesbeiana. Kawamura K, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):129–35

Observations on the interaction of prolactin and thyroxine in the tail of the bullfrog tadpole. Ray LB, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):36–43

Investigations on the role of cAMP in regulating resorption of the tail fin from tadpoles of Rana catesbeiana. Ray LB, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):44–51

Motoneuron number in the lumbar lateral motor column of larval and adult bullfrogs. Fabrel PB. **J Comp Neurol** 1987 Jul 8;261(2):266–76

Specificity of neuromuscular connections during early development and following regeneration of motor axons in the bullfrog. Farel PB. **Neurochem Pathol** 1986 Dec;5(3):187–203

METABOLISM

Comparison of intraperoxisomal localization form and properties of amphibian (Rana catesbeiana) uricase with those of other animal uricases. Fujiwara S, et al. **Comp Biochem Physiol [B]** 1987;86(1):23–6

Synthesis and storage of prolactin in the pituitary gland of bullfrog tadpoles during metamorphosis. Yamamoto K, et al. **Gen Comp Endocrinol** 1986 May;62(2):247–53

An analysis of the influence of thyroid hormone on the synthesis of proteins in the tail fin of bullfrog tadpoles. Ray LB, et al. **J Exp Zool** 1986 Nov;240(2):191–201

Characterization of steroid receptors in the gut and kidney of the frog (Rana catesbeiana) and in the gut of the turtle (Chrysemys picta). Mehi AZ, et al. **J Steroid Biochem** 1987 May;26(5):627–39

PHYSIOLOGY

Purification and properties of the manganese superoxide dismutase from the liver of bullfrog, Rana catesbeiana. Abe Y, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):241–8

Possible fusimotor innervation to frog muscle spindles. Fujitsuka N, et al. **Brain Res** 1987 Jul 7;415(1):144–8

Response properties of cerebellar neurons to stimulation of the frog glossopharyngeal nerve and tongue. Hanamori T, et al. **Brain Res Bull** 1987 Apr;18(4):491–9

Changes in DNA topology during spermatogenesis. Risley MS, et al. **Chromosoma** 1986;94(3):217–27

Streptozotocin treated bullfrogs fail to develop insulin deficiency. Kerns KC, et al. **Comp Biochem Physiol [A]** 1986;85(4):765–9

Thyrotropin-releasing hormone (TRH): immunohistochemical distribution in tadpole and frog brain. Mimnagh KM, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):394–404

Correlation between auditory evoked responses in the thalamus and species-specific call characteristics. I. Rana catesbeiana (Anura: Ranidae). Mudry KM, et al. **J Comp Physiol [A]** 1987 Apr;160(4):477–89

The action of acetylcholine upon heart rate changes markedly with development in bullfrogs. Burggren W, et al. **J Exp Zool** 1986 Oct;240(1):137–40

Cardiovascular responses to catecholamines at 12 degrees C in the American bullfrog (Rana catesbeiana). Herman CA, et al. **J Exp Zool** 1986 Oct;240(1):17–23

Effects of stimulus intensity and duration on photoresponses of single rods in the frog retina. Tauchi M, et al. **Jpn J Physiol** 1987;37(2):169–81

The spreading depression potential and the ERG B-wave in retinas of the frog and chick. Fujimoto M, et al. **Neurosci Res** 1986;Suppl 4:S197–208

RANA ESCULENTA

BLOOD

Changes in plasma thyroxine levels during and after spontaneous metamorphosis in a natural population of the green frog, Rana clamitans. Weil MR. **Gen Comp Endocrinol** 1986 Apr;62(1):8–12

METABOLISM

Localization of steroid-concentrating cells in the central nervous system of the frog Rana esculenta. di Meglio M, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):149–54

Seasonal plasma and intraovarian sex steroid profiles, and influence of temperature on gonadotropin stimulation of in vitro estradiol-17 beta and progesterone production, in Rana esculenta (Amphibia: Anura). Pierantoni R, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):163–8

PHYSIOLOGY

Frog retinal pigment screening and lithium. Kemali M, et al. **Comp Biochem Physiol [C]** 1987;86(2):421–3

Regulation of androgen production by frog (Rana esculenta) testis: an in vitro study on the effects exerted by estradiol, 5 alpha-dihydrotestosterone, testosterone, melatonin, and serotonin. Pierantoni R, et al. **Gen Comp Endocrinol** 1986

Dec;64(3):405–10
Plasma and testicular estradiol and plasma androgen profile in the male frog Rana esculenta during the annual cycle. Varriale B, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):401–4

RANA PIPIENS

Vascular dissemination of tumor cells in relation to temperature-dependent metastasis in frogs. Juacaba SF, et al. **JNCI** 1987 Feb;78(2):259–64

ANATOMY & HISTOLOGY

Cholinergic innervation of the optic tectum in the frog Rana pipiens. Desan PH, et al. **Brain Res** 1987 Jun 16; 413(2):344–9
Morphological components associated with frog cone outer segment disc margins. Fetter RD, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):646–57
Synaptic competition and the persistence of polyneuronal innervation at frog neuromuscular junctions. Werle MJ, et al. **J Neurobiol** 1987 Jul;18(4):375–89

GENETICS

Feeding tadpoles cloned from Rana erythrocyte nuclei. DiBerardino MA, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8231–4

IMMUNOLOGY

Inhibition of SK cell activity in frogs by certain drugs and sugars. Ghoneum M, et al. **Dev Comp Immunol** 1987 Spring; 11(2):363–73

METABOLISM

Protein synthesis and steroidogenesis in amphibian (Rana pipiens) ovarian follicles: studies on the conversion of pregnenolone to progesterone. Petrino TR, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):441–50

PHYSIOLOGY

Role of cAMP in modulating intrafollicular progesterone levels and oocyte maturation in amphibians (Rana pipiens). Kwon HB, et al. **Dev Biol** 1986 Oct;117(2):354–64
Differential sensitivity of amphibian nodal and paranodal K+ channels to 4-aminopyridine and TEA. Schauf CL. **Experientia** 1987 Apr 15;43(4):405–8
Specificity of amphibian and reptilian pituitaries for various forms of gonadotropin-releasing hormones in vitro. Licht P, et al. **Gen Comp Endocrinol** 1987 May;66(2):248–55
Metamorphic rate in Rana pipiens larvae treated with thyroxine or prolactin at different times in the light/dark cycle. Wright ML, et al. **Gen Comp Endocrinol** 1986 Jul; 63(1):51–61
Ultrastructural evidence of the formation of synapses by retinal ganglion cell axons in two nonstandard targets. Cantore WA, et al. **J Comp Neurol** 1987 Jul 1;261(1):137–47
Ventilation and partitioning of oxygen uptake in the frog Rana pipiens: effects of hypoxia and activity. Pinder AW, et al. **J Exp Biol** 1986 Nov;126:453–68
Calcium effects on progesterone accumulation and oocyte maturation in cultured follicles of Rana pipiens. Francisco SK, et al. **J Exp Zool** 1986 Nov;240(2):265–73
Neuronal organization underlying visually elicited prey orienting in the frog—I. Effects of various unilateral lesions. Kostyk SK, et al. **Neuroscience** 1987 Apr; 21(1):41–55
Neuronal organization underlying visually elicited prey orienting in the frog—III. Evidence for the existence of an uncrossed descending tectofugal pathway. Kostyk SK, et al. **Neuroscience** 1987 Apr;21(1):83–96
Neuronal organization underlying visually elicited prey orienting in the frog—II. Anatomical studies on the laterality of central projections. Kostyk SK, et al. **Neuroscience** 1987 Apr;21(1):57–82
A comparison of structure-activity relationships within alpha-MSH on melanophores of Anolis carolinensis and Rana pipiens. Lucas A, et al. **Regul Pept** 1987 Jul; 18(1):43–50

RANA RIDIBUNDA see under **RANIDAE**

RANA TEMPORARIA

ANATOMY & HISTOLOGY

Interdigitating cells in the thymus of the frog, Rana temporaria. Bigaj J, et al. **Folia Histochem Cytobiol** 1987; 25(1):65–8
[Electron microscopy studies of ciliated cells in the larval epidermis of Rana t. temporaria (L.) (Amphibia, Anura)] Hertwig I, et al. **Gegenbaurs Morphol Jahrb** 1987; 133(1):79–90 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Development of potential-dependent calcium channels in skeletal muscles during frog ontogenesis] Nasledov GA, et al. **Dokl Akad Nauk SSSR** 1987 Jan-Feb;292(1):253–6 **(Rus)**

GENETICS

[Hereditary effects of artificial selection of sperm for the endurance trait in the carp Cyprinus carpio and the frog Rana temporaria] Kokushkina IV, et al. **Zh Evol Biokhim Fiziol** 1987 Jan-Feb;23(1):154–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ontogeny of the 35K epsilon crystallin during Rana temporaria lens development. Brahma SK, et al. **Curr Eye Res** 1986 Oct;5(10):739–43
[Differential expression of crystallin genes during development of the frog Rana temporaria] Zinov'eva RD, et al. **Dokl Akad Nauk SSSR** 1987;294(3):722–5 **(Rus)**
[Innervation and acetylcholine sensitivity of muscle fibers of the tail of the tadpole Rana temporaria] Lebedinskaia II, et al. **Zh Evol Biokhim Fiziol** 1987 Jan-Feb;23(1):86–91 (Eng. Abstr.) **(Rus)**

METABOLISM

Adenosine-5-monophosphate catabolism in frog liver. Spychala J, et al. **Comp Biochem Physiol [B]** 1987; 87(3):481–3
Water uptake by Rana temporaria: effects of diuretics and the renin--angiotensin system, and nephrectomy. Bolton JP, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):155–62
Localization of G cells in the antral mucosa of Rana temporaria: immunocytochemical and electron microscopy study. Diaz de Rada O, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):189–93
[Effect of oxidative metabolism inhibitors on ADH-dependent transport of water in the bladder of Rana temporaria] Bagrov Iafu, et al. **Zh Evol Biokhim Fiziol** 1987 Jan-Feb;23(1):150–3 (Eng. Abstr.) **(Rus)**
[Proteolipids of brain myelin and synaptosomes in the frog and hen] Denisova NA, et al. **Zh Evol Biokhim Fiziol** 1986 Jul-Aug;22(4):394–9 (Eng. Abstr.) **(Rus)**
[Cadmium distribution in tissues and Na,K-ATPase activity of the skin of the frog Rana temporaria in different routes of cadmium uptake by the body] Vasil'eva VF, et al. **Zh Evol Biokhim Fiziol** 1987 May-Jun;23(3):300–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

An electrical resonance in hair cells of the amphibian papilla of the frog Rana temporaria. Pitchford S, et al. **Hear Res** 1987;27(1):75–83
[Neurophysiological characteristics of the resting forms of primary sleep and hypobiosis in the frog Rana temporaria] Aristakesian EA. **Zh Evol Biokhim Fiziol** 1986 Sep-Oct; 22(5):475–82 (Eng. Abstr.) **(Rus)**
[Effect of the epiphysis and hypophysis on the circadian organization of the wakefulness-primary sleep cycle in the frog Rana temporaria] Belich AI, et al. **Zh Evol Biokhim Fiziol** 1987 Mar-Apr;23(2):237–45 (Eng. Abstr.) **(Rus)**
[Microelectrode study of the cellular reactions of the taste bud in the frog Rana temporaria] Lotarev AN, et al. **Zh Evol Biokhim Fiziol** 1986 Sep-Oct;22(5):445–51 (Eng. Abstr.) **(Rus)**
[Stretch receptors of the lungs in the frog Rana temporaria] Serbeniuk TsV, et al. **Zh Evol Biokhim Fiziol** 1986 Nov-Dec;22(6):548–54 (Eng. Abstr.) **(Rus)**

RANDOM ALLOCATION see under **RESEARCH DESIGN**

RANIDAE

Skin potions. Milstone LM. **Arch Dermatol** 1987 Aug; 123(8):1087–8

ANATOMY & HISTOLOGY

Effects of metopirone on the pars distalis, the interrenal gland and the testis of the frog, Rana cyanophlyctis (Schn.). Yajurvedi HN, et al. **Arch Anat Histol Embryol (Strasb)** 1985;68:49–59
Three types of photoreceptors in the pineal and frontal organs of frogs: ultrastructure and opsin immunoreactivity. Vigh B, et al. **Arch Histol Jpn** 1986 Dec;49(5):495–518
The enteric nervous system of Rana ridibunda stomach. Junquera C, et al. **Gen Pharmacol** 1986;17(5):597–605
[The suitability of Xenopus laevis as an alternative to European frogs caught in open country for student training] Kähler H. **DTW** 1987 Jul-Aug;94(7):428–9 (Eng. Abstr.) **(Ger)**
[Ultrastructure of terminals of primary afferents in the ninth segment of the lumbar spinal cord of the tadpole Rana ridibunda] Adonina VO, et al. **Zh Evol Biokhim Fiziol** 1987 May-Jun;23(3):399–401 (Eng. Abstr.) **(Rus)**
[Efferent neurons of the auditory center in the midbrain of the frog Rana ridibunda] Bibikov NG, et al. **Zh Evol Biokhim Fiziol** 1986 Sep-Oct;22(5):460–5 (Eng. Abstr.) **(Rus)**

BLOOD

Leukotrienes and related eicosanoids are produced by frog leukocytes. Green FA, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):309–14

GROWTH & DEVELOPMENT

Positional distribution of constituent fatty acids in phosphatidylethanolamine during early development in Rana nigromaculata. Ryuzaki M. **Comp Biochem Physiol [B]** 1986;84(4):441–5
The effects of thiosemicarbazide on development in the wood frog, Rana sylvatica. II. Critical exposure length and age sensitivity. Riley EE, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):202–7

IMMUNOLOGY

Effects of dexamethasone on the lymphoid organs of Rana perezi. Garrido E, et al. **Dev Comp Immunol** 1987 Spring; 11(2):375–84

METABOLISM

Lectin binding patterns in amphibian epidermis. Villalba JM, et al. **Acta Histochem (Jena)** 1987;81(1):51–7
Incorporation of strontium into the calcium carbonate crystals of the endolymphatic sac in the tree frog (Hyla arborea japonica). Kawamata S. **Anat Rec** 1987 Jun; 218(2):223–8
Adenosine-5-monophosphate catabolism in frog liver. Spychala J, et al. **Comp Biochem Physiol [B]** 1987; 87(3):481–3
[Localization and identification of neuropeptide Y (NPY) in the brain of an anuran amphibian] Danger JM, et al. **Ann Endocrinol (Paris)** 1986;47(1):59–61 (Eng. Abstr.) **(Fre)**
[Correlations of the individual levels of the activity and heat resistance of energy-support enzymes in the lake frog] Glushankova MA, et al. **Tsitologiia** 1987 Jan;29(1):108–12 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Aegyptianella ranarum sp. n. (Rickettsiales, Anaplasmataceae): ultrastructure and prevalence in frogs from Ontario. Desser SS. **J Wildl Dis** 1987 Jan;23(1):52–9
[Experimental evidence for infection of Culex pipiens L. mosquitoes by West Nile fever virus from Rana ridibunda Pallas and its transmission by bites] Kostiukov MA, et al. **Med Parazitol (Mosk)** 1986 Nov-Dec;(6):76–8 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The life history of Pleurogenoides orientalis (Srivastava, 1934) (Trematoda: Lecithodendriidae). Madhavi R, et al. **Parasitol Res** 1987;73(1):41–5

PHYSIOLOGY

Organ-specific metabolism during freezing and thawing in a freeze-tolerant frog. Storey KB. **Am J Physiol** 1987 Aug; 253(2 Pt 2):R292–7
Determinants of capillary permeability: a review of mechanisms based on single capillary studies in the frog. Curry FE. **Circ Res** 1986 Oct;59(4):367–80
Frogs and turtles: different ectotherm overwintering strategies. Penney DG. **Comp Biochem Physiol [A]** 1987; 86(4):609–15
Effects of adenosine perfusion on the metabolism and contractile activity of Rana ridibunda heart. Lazou A, et al. **Comp Biochem Physiol [C]** 1987;86(2):415–9
In vitro study of frog (Rana ridibunda Pallas) neurointermediate lobe secretion by use of a simplified perifusion system. IV. Interaction between dopamine and thyrotropin-releasing hormone on alpha-melanocyte-stimulating hormone secretion. Adjeroud S, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):428–34
Effect of melatonin on oocyte growth and recruitment, hypophyseal gonadotrophs, and oviduct of the frog Rana cyanophlyctis maintained under natural photoperiod during the prebreeding phase. Kupwade VA, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):284–92

RANITIDINE

ADMINISTRATION & DOSAGE

A double-blind randomized study comparing different dose regimens of H2-receptor antagonists on 24-hour gastric secretion in normal subjects and duodenal ulcer patients. de Gara CJ, et al. **Am J Gastroenterol** 1987 Jan;82(1):36–41
Synergistic interaction between an H2-receptor antagonist and enprostil on 24-hour intragastric pH, serum gastrin concentration, and tissue immunoperoxidase staining for gastrin, somatostatin, and serotonin in a patient with metastatic gastrinoma. Sherbaniuk R, et al. **Clin Ther** 1986; 8(6):667–88
Effect of bedtime ranitidine on overnight gastric acid output and intragastric pH: dose/response study and comparison with cimetidine. Chambers JB, et al. **Gut** 1987 Mar; 28(3):294–9
Large single daily dose of histamine H2 receptor antagonist for duodenal ulcer. How much and when? A clinical pharmacological study. Deakin M, et al. **Gut** 1987 May; 28(5):566–72
Ranitidine 150 mg at night in the prevention of gastric ulcer relapse. Jorde R, et al. **Gut** 1987 Apr;28(4):460–3
Acute treatment of duodenal ulcer: a multicentre study to

compare ranitidine 150 mg twice daily with ranitidine 300 mg once at night. Lee FI, et al. **Gut** 1986 Sep;27(9):1091–5
Single dose treatment with H2 receptor antagonists: is bedtime administration too late? Merki H, et al. **Gut** 1987 Apr;28(4):451–4
Investigation of ranitidine 150 mg bd or 300 mg bd in the treatment of reflux disease. Schaub N, et al. **Hepatogastroenterology** 1986 Oct;33(5):208–13
A single nighttime dose of ranitidine 300 mg versus ranitidine 150 mg twice daily in the acute treatment of duodenal ulcer: a European multicenter trial. Simon B, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 2):367–70
Comparison of famotidine 40 mg with ranitidine 300 mg at night in short-term duodenal ulcer healing. A South African multicentre study. Marks IN, et al. **S Afr Med J** 1987 Jul 4;72(1):18–20
Long-term ranitidine in progressive systemic sclerosis (scleroderma) with gastroesophageal reflux. Hendel L, et al. **Scand J Gastroenterol** 1986 Sep;21(7):799–805
Maintenance treatment with ranitidine compared with fundoplication in gastro-oesophageal reflux disease. Johansson KE, et al. **Scand J Gastroenterol** 1986 Sep; 21(7):779–88
Nocturnal gastric acid secretion: its importance in the pathophysiology and rational therapy of duodenal ulcer. De Dara CJ, et al. **Scand J Gastroenterol [Suppl]** 1986; 121:17–24
[Randomized double-blind study on the dosage of ranitidine (China-made) in the treatment of duodenal ulcer] Tang CW, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb; 26(2):68–70, 124 (Eng. Abstr.) **(Chi)**
[Ofloxacin in the therapy of Campylobacter pylori-positive duodenal ulcer. A prospective controlled randomized study] Bayerdörffer E, et al. **Dtsch Med Wochenschr** 1987 Sep 11;112(37):1407–11 (Eng. Abstr.) **(Ger)**
[Acute therapy of duodenal ulcer. Comparison of famotidine and ranitidine in a single evening dose] Kimmig JM. **Fortschr Med** 1987 Feb 20;105(5):72–6 (Eng. Abstr.) **(Ger)**
[Seasonal therapy of duodenal ulcerative disease] Palmas F, et al. **Minerva Dietol Gastroenterol** 1986 Oct-Dec; 32(4):393–5 (Eng. Abstr.) **(Ita)**
[A parenteral pirenzepine-ranitidine combination in the treatment of upper digestive hemorrhage] Spisni R, et al. **Minerva Dietol Gastroenterol** 1986 Jul-Sep;32(3):285–90 (Eng. Abstr.) **(Ita)**
[Stomach ulcer. Treatment with nocturnal doses of 300 mg ranitidine] Jorde R, et al. **Tidsskr Nor Laegeforen** 1986 Jun 30;106(19–21):1574–5 (Eng. Abstr.) **(Nor)**
[Comparative study of ranitidine in a single daily dose and in 2 doses in the short-term treatment of duodenal ulcers] Medina LA, et al. **Rev Med Chil** 1986 Sep;114(9):843–7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

H2-antagonists and hepatitis [letter] Dobbs JH, et al. **Ann Intern Med** 1986 Nov;105(5):803
Thrombocytopenia, eosinophilia, and ranitidine [letter] Gafter U, et al. **Ann Intern Med** 1987 Mar;106(3):477
Glyburide-induced hypoglycemia and ranitidine [letter] Lee K, et al. **Ann Intern Med** 1987 Aug;107(2):261–2
Effects of one year's treatment with ranitidine and of truncal vagotomy on gastric contents. Thomas JM, et al. **Gut** 1987 Jun;28(6):726–38
Immune-mediated thrombocytopenia associated with ranitidine therapy [letter] Gibson PR, et al. **Med J Aust** 1986 Dec 1–15;145(11–12):661–2
Toxicity of H2-receptor antagonists [letter] du Toit DF. **S Afr Med J** 1987 May 2;71(9):604
[Disorders of atrioventricular conduction caused by intravenous ranitidine [letter]] Baylac-Domengetroy F, et al. **Ann Med Interne (Paris)** 1987;138(2):140–1 **(Fre)**
[Recent aspects of drug interactions with the H2 antagonists cimetidine and ranitidine. A review of the literature] Kirch W, et al. **Med Klin** 1987 May 15;82(11):400–4 **(Ger)**
[Ranitidine and arterial hypertension] Lombardi C, et al. **Minerva Dietol Gastroenterol** 1986 Oct-Dec;32(4):389–92 (Eng. Abstr.) **(Ita)**
[Neurologic disorders caused by cimetidine and ranitidine. Apropos of a case] Pujadas R, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):377–9 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Effects of ORF 17583, other histamine H2-receptor antagonists and omeprazole on gastric acid secretory states in rats and dogs. Katz LB, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):437–42
Characterization of the H2 receptor antagonist and gastric acid antisecretory properties of Wy-45,727. Nielsen ST. **J Pharmacol Exp Ther** 1987 Aug;242(2):607–13

ANALYSIS

Determination of ranitidine in rat plasma and brain by high-performance liquid chromatography. Guiso G, et al. **J Chromatogr** 1987 Jan 23;413:363–9
Rapid analysis of ranitidine in biological fluids and determination of its erythrocyte partitioning. Mullersman G, et al. **J Chromatogr** 1986 Sep 5;381(2):385–91
Ion-selective electrodes for the H2-receptor antagonists cimetidine and ranitidine. Mitsana-Papazoglou A, et al. **J Pharm Sci** 1987 Jun;76(6):485–91
[Simultaneous determination of cimetidine and ranitidine by HPLC] Lin QS. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):291–6 (Eng. Abstr.) **(Chi)**

BLOOD

Effect of domperidone on cimetidine and ranitidine absorption in rabbits. Al-Khamis KI, et al. **Biopharm Drug Dispos** 1987 Jul-Aug;8(4):319–25
[Quantitative determination of cimetidine and ranitidine in serum samples] Sticht G, et al. **Beitr Gerichtl Med** 1986; 44:263–9 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

The influence of cimetidine and ranitidine on basophil histamine release and bronchial reactivity in asthmatic patients. Hofman J, et al. **Agents Actions** 1987 Apr; 20(3–4):317–9

METABOLISM

Effect of aluminum phosphate on the bioavailability of ranitidine. Albin H, et al. **Eur J Clin Pharmacol** 1987; 32(1):97–9
Ranitidine disposition in severe hepatic cirrhosis. Gonzalez-Martin G, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Mar;25(3):139–42
Lack of clinically significant in vitro and in vivo interactions between ranitidine and sucralfate. Mullersman G, et al. **J Pharm Sci** 1986 Oct;75(10):995–8
Kinetics of rate controlled rectally administered ranitidine to male volunteers. De Bree H, et al. **Pharm Weekbl [Sci]** 1987 Jun 19;9(3):179–82

PHARMACODYNAMICS

Effects of ranitidine on the enzyme cholinesterase and the rat anococcygeus muscle. Mehta SM, et al. **Agents Actions** 1987 Jun;21(1–2):38–40
The antisecretory profile of action of the H2-receptor antagonists, famotidine, loxtidine, ranitidine and L-643,441 on the rat isolated gastric mucosa. Reeves JJ, et al. **Agents Actions** 1987 Feb;20(1–2):22–8
Direct effects of H2-receptor antagonists on airway smooth muscle and on responses mediated by H1- and H2-receptors. Koga Y, et al. **Anesthesiology** 1987 Feb; 66(2):181–5
No evidence for interaction between ranitidine and theophylline [letter] Seggev JS, et al. **Arch Intern Med** 1987 Jan;147(1):179–80
Influence of cimetidine and ranitidine on ethanol pharmacokinetics [letter] Sullivan JT, et al. **Aust NZ J Med** 1986 Jun;16(3):414–5
The paradoxical effect of cimetidine and ranitidine on glibenclamide pharmacokinetics and pharmacodynamics. Kubacka RT, et al. **Br J Clin Pharmacol** 1987 Jun; 23(6):743–51
Famotidine and ranitidine control of 24 h intragastric acidity after single bedtime administration: a study using continuous pH monitoring [letter] Savarino V, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):749–50
Ranitidine and cimetidine; drug interactions with single dose and steady-state nifedipine administration. Smith SR, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):311–5
Effects of cimetidine and ranitidine on the pharmacokinetics of quinine. Wanwimolruk S, et al. **Br J Clin Pharmacol** 1986 Sep;22(3):346–50
The effect of mepyramine and ranitidine on the oestrogen and anti-oestrogen stimulated rat uterus. Marshall K, et al. **Br J Pharmacol** 1986 Sep;89(1):251–6
The effect of preoperative oral fluid and ranitidine on gastric fluid volume and pH. Sutherland AD, et al. **Can J Anaesth** 1987 Mar;34(2):117–21
Effect of cimetidine and ranitidine on the metabolism and toxicity of hexamethylmelamine. Hande K, et al. **Cancer Treat Rep** 1986 Dec;70(12):1443–5
Cimetidine and ranitidine: a study of competitive and ion-channel blockade in the toad isolated rectus abdominis muscle. Gwee MC, et al. **Clin Exp Pharmacol Physiol** 1986 Aug;13(8):613–8
Cimetidine and ranitidine increase midazolam bioavailability. Fee JP, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):80–4
The effect of single intravenous doses of cimetidine or ranitidine on gastric secretion. Frank WO, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):665–72
A comparative study of the effects of ranitidine and cimetidine on carbohydrate tolerance, growth hormone secretion and the hypothalamic-pituitary-gonadal axis in man. Scobie IN, et al. **Curr Med Res Opin** 1986; 10(5):285–90
Effect of cimetidine or ranitidine pretreatment on hepatic mixed function oxidase activity in the rat. Yee NS, et al. **Drug Metab Dispos** 1986 Sep-Oct;14(5):580–4
Lack of interaction of ranitidine with amitriptyline. Curry SH, et al. **Eur J Clin Pharmacol** 1987;32(3):317–20
Interaction of oxaprozin with acetaminophen, cimetidine, and ranitidine. Scavone JM, et al. **Eur J Clin Pharmacol** 1986; 31(3):371–4
The influence of cimetidine versus ranitidine on doxepin pharmacokinetics. Sutherland DL, et al. **Eur J Clin Pharmacol** 1987;32(2):159–64
Comparative effects of ranitidine and cimetidine on the pharmacokinetics and pharmacodynamics of warfarin in man. Toon S, et al. **Eur J Clin Pharmacol** 1987;32(2):165–72
The effect of ranitidine and cimetidine on imipramine disposition. Wells BG, et al. **Eur J Clin Pharmacol** 1986; 31(3):285–90
Antagonistic activity of tiotidine and ranitidine on guinea-pig and rabbit atria. Kilpatrick C, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):111–7
Does smoking interfere with the effect of histamine H2-receptor antagonists on intragastric acidity in man? Bauerfeind P, et al. **Gut** 1987 May;28(5):549–56
Dose related in vitro effects of ranitidine and cimetidine on basal and ACTH-stimulated steroidogenesis. Kenyon CJ, et al. **Gut** 1986 Oct;27(10):1143–6
Safety of ranitidine (Zinetac). Smith RN. **Indian J Gastroenterol** 1986 Oct;5 Suppl:21–2
H2-receptor antagonists and drug interactions. Summers K. **Indian J Gastroenterol** 1986 Oct;5 Suppl:23–7 (50 ref.)
Development of histamine H2-receptor antagonists and the pharmacology of ranitidine. Wood JR. **Indian J Gastroenterol** 1986 Oct;5 Suppl:7–10
The inhibition of acetylcholinesterase by ranitidine: a study on the guinea pig ileum. Kounenis G, et al. **J Pharmacobiodyn** 1986 Nov;9(11):941–5
Effect of H2-receptor antagonists on acetaminophen-induced hepatic injury. Murase T, et al. **Jpn J Pharmacol** 1986 Aug; 41(4):467–73
Resistance to nondepolarizing muscle relaxants in a patient treated with ranitidine. Katende RS, et al. **Mt Sinai J Med (NY)** 1987 May;54(4):330–1
Famotidine and ranitidine: any difference in the duration of action? Coruzzi G, et al. **Pharmacol Res Commun** 1987 Jan; 19(1):15–27
A further study on the kinetics of the subcellular current events at the mouse end-plate in the presence of cimetidine and ranitidine. Re L, et al. **Pharmacol Res Commun** 1987 Feb;19(2):131–45
Interaction of ranitidine and famotidine with guinea pig-isolated parietal cells. Sewing KF, et al. **Pharmacology** 1986;33(5):274–8
HCO3- secretion in rat duodenum after treatment with omeprazole and ranitidine. Knutson L, et al. **Scand J Gastroenterol** 1987 Jan;22(1):87–90
Histamine type-2 receptor antagonist immune modulation. II. Cimetidine and ranitidine increase interleukin-2 production. Gifford RR, et al. **Surgery** 1987 Aug; 102(2):242–7
[Alcohol kinetics and psychophysical ability to perform under H2 receptor blockers] Norpoth T, et al. **Beitr Gerichtl Med** 1986;44:1–4 (Eng. Abstr.) **(Ger)**
[Metabolic interaction between cimetidine, ranitidine and amitriptyline/chlordiazepoxide] Kurowski M, et al. **Z Gastroenterol** 1986 Oct;24(10):627–34 (Eng. Abstr.) **(Ger)**
[Role of blood flow in acute gastric lesion after hepatectomy and effect of prostaglandin I2 and H2-receptor antagonist] Kii E. **Nippon Geka Gakkai Zasshi** 1986 Oct; 87(10):1293–302 (Eng. Abstr.) **(Jpn)**
[Effect of ranitidine on the histamine-induced bronchial spasm in patients with bronchial asthma] Kalina Z, et al. **Pol Arch Med Wewn** 1986 Mar;75(3):176–80 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

The efficacy of ranitidine in children. Goudsouzian NG, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):387–90
Ranitidine therapy of Barrett's ulcer. Case report. Andersson R, et al. **Acta Chir Scand** 1986 Oct;152:629–31
Do endoscopic findings influence response to H2 antagonist therapy for gastroesophageal reflux disease? Robinson MG, et al. **Am J Gastroenterol** 1987 Jun;82(6):519–22
A multicenter, randomized, double-blind study comparing famotidine with ranitidine in the treatment of active duodenal ulcer disease. McCullough AJ. **Am J Med** 1986 Oct 24;81(4B):17–24
Treatment of active duodenal ulcers with famotidine. A double-blind comparison with ranitidine. Rohner HG, et al. **Am J Med** 1986 Oct 24;81(4B):13–6
Combination treatment with ranitidine and sodium bicarbonate prior to obstetric anaesthesia. Mathews HM, et al. **Anaesthesia** 1986 Dec;41(12):1202–6
Ranitidine prophylaxis in outpatients [letter] Kittelberger KP. **Anesthesiology** 1987 Mar;66(3):441–2
Questions concerning aspiration prophylaxis study [letter] Roy RC. **Anesthesiology** 1987 Mar;66(3):442–3
Cardiovascular effects of tolazoline and ranitidine. Bush A, et al. **Arch Dis Child** 1987 Mar;62(3):241–6
Antireflux treatment for asthma. Improvement in patients with associated gastroesophageal reflux. Harper PC, et al. **Arch Intern Med** 1987 Jan;147(1):56–60
Ranitidine therapy for gastroesophageal reflux disease. Results of a large double-blind trial. Sontag S, et al. **Arch Intern Med** 1987 Aug;147(8):1485–91
Controlled clinical trial of ranitidine in bleeding peptic ulcer. Gray BN, et al. **Aust NZ J Surg** 1986 Sep;56(9):723–7
Pretreatment with ranitidine [letter] Wilkinson DJ. **Br J Anaesth** 1987 May;59(5):665–6
The effectiveness of ranitidine in reducing gastric acid-secretion decreases with continued therapy. Prichard PJ, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):663–8
Enprostil and ranitidine in prevention of duodenal ulcer

relapse: one year double blind comparative trial. Lauritsen K, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):932–4

The effects of cimetidine and ranitidine with and without metoclopramide on gastric volume and pH in morbidly obese patients. Lam AM, et al. **Can Anaesth Soc J** 1986 Nov;33(6):773–9

Pirenzepine versus ranitidine in gastroprotection during antiblastic chemotherapy: a double-blind study. Polloni A, et al. **Chemioterapia** 1986 Dec;5(6):420–3

Clinical comparison of H2-antagonists. Smith K, et al. **Conn Med** 1986 Dec;50(12):815–7

A randomized clinical trial comparing ranitidine and antacids in critically ill patients. Noseworthy TW, et al. **Crit Care Med** 1987 Sep;15(9):817–9

Continuous 24-hour intragastric pH monitoring in the evaluation of the effect of a nightly dose of famotidine, ranitidine and placebo on gastric acidity of patients with duodenal ulcer. Savarino V, et al. **Digestion** 1987; 37(2):103–9

A comparison of colloidal bismuth subcitrate tablets and ranitidine in the treatment of chronic duodenal ulcers. Ward M, et al. **Digestion** 1986;34(3):173–7

Cimetidine versus ranitidine: single-dose, oral regimen for reducing gastric acidity and volume in ambulatory surgery patients. Gonzalez ER, et al. **Drug Intell Clin Pharm** 1987 Feb;21(2):192–5

Treatment of chronic urticaria with terfenadine and ranitidine. A randomized double-blind study in 45 patients. Paul E, et al. **Eur J Clin Pharmacol** 1986;31(3):277–80

Esophagitis healing with ranitidine [letter] Bianchi Porro G, et al. **Gastroenterology** 1987 Jun;92(6):2051–2

Risk factors for healing and relapse of esophagitis (II) [letter] Koelz HR, et al. **Gastroenterology** 1987 Aug;93(2):434

Duodenal ulcer healing after presentation with haemorrhage. Murray WR, et al. **Gut** 1986 Nov;27(11):1387–9

Proceedings of Zinetac (ranitidine) symposia. **Indian J Gastroenterol** 1986 Oct;5 Suppl:1–44

Controlled comparison of ranitidine and cimetidine in patients of duodenal ulcer, gastric ulcer and reflux esophagitis: a multicentre study. **Indian J Gastroenterol** 1986 Oct;5 Suppl:35–44

Controlled comparison of ranitidine and cimetidine in patients of duodenal ulcer, gastric ulcer and reflux esophagitis: a multicentre study. Anand BS, et al. **Indian J Gastroenterol** 1986 Oct;5 Suppl:29–33

Ranitidine in the management of gastric ulcer. Colin-Jones DG. **Indian J Gastroenterol** 1986 Oct;5 Suppl:15–6

Ranitidine in the management of acute duodenal ulcer. Colin-Jones DG. **Indian J Gastroenterol** 1986 Oct;5 Suppl:17–9

Ranitidine for maintenance treatment of duodenal ulcer. Smith RN. **Indian J Gastroenterol** 1986 Oct;5 Suppl:20

Anti-inflammatory property of ranitidine, a specific H2-receptor antagonist. Patwardhan MD, et al. **Indian J Physiol Pharmacol** 1986 Jul-Sep;30(3):205–9

Inhibition of food stimulated acid secretion by association of pirenzepine and ranitidine in duodenal ulcer patients. Lazzaroni M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Dec;24(12):685–8

A comparative therapeutic trial of cimetidine and ranitidine in the treatment of duodenal ulcer. Kumar N, et al. **J Assoc Physicians India** 1986 Nov;34(11):785–6

A comparison of two different doses of omeprazole versus ranitidine in treatment of duodenal ulcers. Bardhan KD, et al. **J Clin Gastroenterol** 1986 Aug;8(4):408–13

Reduction of aspirin-induced gastroduodenal mucosal damage with ranitidine. Berkowitz JM, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 2):377–80

Review of an extensive worldwide study of a new H2-receptor antagonist, famotidine, as compared to ranitidine in the treatment of acute duodenal ulcer. Bianchi Porro G, et al. **J Clin Gastroenterol** 1987;9 Suppl 2:14–8

Prevention of duodenal ulcer occurrence. Double-blind comparison of ranitidine and cimetidine. Bolin TD, et al. **J Clin Gastroenterol** 1987 Jun;9(3):310–3

Treatment of benign chronic gastric ulcer with ranitidine. A randomized, double-blind, and placebo-controlled six week trial. Hirschowitz BI, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 2):371–6

A multicenter study of ranitidine treatment of duodenal ulcers in the United States. Hirschowitz BI, et al. **J Clin Gastroenterol** 1986 Jun;8(3 Pt 2):359–66

Failure of H2 blocker therapy in a case of hemorrhage from a Meckel's diverticulum [letter] Manning RJ. **J Clin Gastroenterol** 1987 Apr;9(2):242

Comparison of ranitidine and sucralfate in the long-term treatment of duodenal ulcer. Masoero G, et al. **J Clin Gastroenterol** 1986 Dec;8(6):624–7

Treatment of chronic Epstein-Barr virus disease with H2 blockers [letter] Goldstein JA. **J Clin Psychiatry** 1986 Nov; 47(11):572

Tolerance to intravenous ranitidine. Hyman PE, et al. **J Pediatr** 1987 May;110(5):794–6

Prostaglandins and peptic ulcer disease: nocturnal administration of rioprostil vs ranitidine in duodenal ulcer healing. Simon B, et al. **Klin Wochenschr** 1986;64 Suppl 7:44–6

Double-blind multicentre comparison of omeprazole and ranitidine in the treatment of reflux oesophagitis. Klinkenberg-Knol EC, et al. **Lancet** 1987 Feb 14; 1(8529):349–51

Omeprazole versus ranitidine in erosive oesophagitis [letter] Zeitoun P, et al. **Lancet** 1987 Sep 12;2(8559):621–2

Ranitidine as an antacid in elective cesarean delivery and its placenta transfer—a preliminary report. Liu HS, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Mar;23(1):18–21

Ranitidine effect on gastric mucosa damage in patients with rheumatoid diseases on long-term treatment with non-steroid anti-inflammatory drugs. Piotrowski J, et al. **Mater Med Pol** 1986 Jul-Sep;18(3):170–6

Effect of histamine H2-receptor antagonist therapy on the mutagenic activity of gastric juice. O'Connor HJ, et al. **Mutat Res** 1987 Jul;188(3):201–8

Resistant duodenal ulcers. Loludice TA, et al. **Ohio Med** 1987 Mar;83(3):197–9

Gastroesophageal reflux. Evaluation and current treatment. Cohen S, et al. **Postgrad Med** 1987 May 1;81(6):203–9, 212–3, 216–8

A comparative study of misoprostol and ranitidine in the healing of duodenal ulcers. A double-blind controlled trial. Simjee AE, et al. **S Afr Med J** 1987 Jul 4;72(1):15–7

Reflux esophagitis: assessment of therapy effects and observer variation by video documentation of endoscopy findings. Gustavsson S, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):585–91

Double-blind crossover study of ranitidine and placebo in gastro-oesophageal reflux disease. Johansson KE, et al. **Scand J Gastroenterol** 1986 Sep;21(7):769–78

Prevention of relapse with various antiulcer drugs. Bresci G, et al. **Scand J Gastroenterol [Suppl]** 1986;121:58–62

Treatment of peptic ulcer induced by non-steroidal anti-inflammatory drugs. Malchow-Møller A. **Scand J Gastroenterol [Suppl]** 1987;127:87–91

Colloidal bismuth subcitrate and ranitidine in the short-term treatment of benign gastric ulcer. An endoscopically controlled trial. Parente F, et al. **Scand J Gastroenterol [Suppl]** 1986;122:42–5

[Ranitidine in the treatment of duodenal ulcer] Pan GZ, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):30–1, 63 (Eng. Abstr.) **(Chi)**

[Ranitidine in the treatment of duodenal ulcer] Tang CW, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Aug;25(8):458–60, 509 (Eng. Abstr.) **(Chi)**

[Action of ranitidine on changes in gastric pH during the perioperative period in cardiac surgery] Pointaire P, et al. **Cah Anesthesiol** 1986 Dec;34(8):681–6 (Eng. Abstr.) **(Fre)**

[Treatment of gastric acid hypersecretion in the Zollinger-Ellison syndrome with a thioamide derivative (40749 RP). Comparison with ranitidine] Bonfils S, et al. **Gastroenterol Clin Biol** 1986 Jun-Jul;10(6-7):486–91 (Eng. Abstr.) **(Fre)**

[Comparative effectiveness of ranitidine (150 mg X 2) and cimetidine (400 mg x 2) in the treatment of acute duodenal ulcer. A French multicenter controlled clinical trial] Cortot A, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):136–41 (Eng. Abstr.) **(Fre)**

[Therapy of stomach ulcer with sucralfate and ranitidine. A multicenter double-blind study] Blum AL, et al. **Dtsch Med Wochenschr** 1986 Dec 12;111(50):1910–5 (Eng. Abstr.) **(Ger)**

[Comparison of famotidine and ranitidine in duodenal ulcer (letter)] Rohner HG, et al. **Dtsch Med Wochenschr** 1987 Feb 27;112(9):367–8 **(Ger)**

[Etintidine versus ranitidine in the treatment of reflux esophagitis (letter)] Wienbeck M, et al. **Dtsch Med Wochenschr** 1986 Sep 26;111(39):1501–2 **(Ger)**

[Magaldrate compared to ranitidine. The healing rate of stomach ulcer using magaldrate (100 mmol/d) versus ranitidine (300 mg/d)] Miederer SE, et al. **Fortschr Med** 1986 Dec 9;104 Suppl 3:921–5 (Eng. Abstr.) **(Ger)**

[Magaldrate (100 mmol/d) versus ranitidine (300 mg/d). Healing rates of stomach ulcer in a German double-blind study] Miederer SE, et al. **Med Klin** 1986 Mar 11; 81(5):162–5 (Eng. Abstr.) **(Ger)**

[Prevention of stress ulcers with cimetidine and ranitidine. Comparative studies within the scope of cardiosurgical interventions] Duma S. **Wien Med Wochenschr** 1986 Sep 30;136(18):467–72 (Eng. Abstr.) **(Ger)**

[2 or 1 daily doses of ranitidine in the treatment of reflux esophagitis] Rohner HG, et al. **Z Gastroenterol** 1986 Aug; 24(8):396–402 (Eng. Abstr.) **(Ger)**

[Therapy of urticaria with H1 and H2 antihistaminics. Results of clinical and experimental studies] Paul E, et al. **Z Hautkr** 1987 Mar 1;62(5):401–2, 405–6 (Eng. Abstr.) **(Ger)**

[Comparison between sucralfate and ranitidine in the treatment of non-ulcerous dyspepsia] Guslandi M, et al. **Clin Ter** 1986 Nov 30;119(4):289–92 (Eng. Abstr.) **(Ita)**

[Ranitidine, cimetidine and magnesium silicate in the prevention of aspiration pneumonia] Tulli G, et al. **Minerva Anestesiol** 1986 Nov;52(11):375–83 (Eng. Abstr.) **(Ita)**

[A combination of pirenzepine with ranitidine in the treatment of refractory duodenal ulcer] Calabrò A, et al. **Minerva Dietol Gastroenterol** 1986 Jul-Sep;32(3):291–5 (Eng. Abstr.) **(Ita)**

[Blood fibrinogen as a prognostic index in ulcer therapy with ranitidine] Felicelli G, et al. **Minerva Dietol Gastroenterol** 1987 Jan-Mar;33(1):63–5 (Eng. Abstr.) **(Ita)**

[Duodenal ulcer: comparison of 3 different long-term therapeutic protocols after healing] Tafner G, et al. **Minerva Dietol Gastroenterol** 1987 Jan-Mar;33(1):49–52 (Eng. Abstr.) **(Ita)**

[Somatostatin in the treatment of hemorrhaging esophago-gastric varices. Controlled clinical trial in comparison with ranitidine] Loperfido S, et al. **Recenti Prog Med** 1987 Feb;78(2):82–6 (Eng. Abstr.) **(Ita)**

[Drug prevention in duodenal ulcer. A placebo-controlled trial with ranitidine] Hovdenak N, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):29–30 (Eng. Abstr.) **(Nor)**

[Comparative effects of somatostatin and ranitidine on gastric function in children with hyperchlorhydria] Socha J, et al. **Pediatr Pol** 1986 Jun;61(6):337–44 (Eng. Abstr.) **(Pol)**

[Maintenance treatment with ranitidine in duodenal ulcer (letter)] Varas Lorenzo MJ. **Med Clin (Barc)** 1987 Jul 4; 89(6):260–1 **(Spa)**

[Incidence of acute gastroduodenal lesions in patients with intracranial lesions. Prophylactic value of treatment with ranitidine] Soria F Jr, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):32–5 (Eng. Abstr.) **(Spa)**

[Comparative reduction of gastric acid secretion after ranitidine and supraselective vagotomy in patients with duodenal ulcer] Braghetto I, et al. **Rev Med Chil** 1986 Dec; 114(12):1145–8 (Eng. Abstr.) **(Spa)**

TOXICITY

Effects of three H2 antagonists on the isolated perfused rat liver. Correlation of bile flow changes with potential for causing hepatic disease in patients. Bassan H, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4519–22

RANULA

CONGENITAL

Bilateral ranulae in a neonate: a case report. Kinirons MJ. **J Oral Med** 1983 Apr-Jun;38(2):56–7

DIAGNOSIS

Plunging ranula: a report of three cases and review of the literature. Parekh D, et al. **Br J Surg** 1987 Apr;74(4):307–9

[Ranula] Brouwer TJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 8;130(45):2023–6 **(Dut)**

PATHOLOGY

Pathologic quiz case 2. Plunging ranula. Brandwein M, et al. **Arch Otolaryngol Head Neck Surg** 1986 Dec; 112(12):1296–9

Pathological quiz case 2. Plunging or cervical Ranula. Oppenheimer RW. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):780–1, 783

RADIOGRAPHY

Ranulas and their mimics: CT evaluation. Coit WE, et al. **Radiology** 1987 Apr;163(1):211–6

RANVIER'S NODES

ANALYSIS

Cytochemical characteristics of the axon membrane at nodes of Ranvier in resting, tetrodotoxin-blocked, and electrically stimulated peripheral nerves of the rat. Coria F, et al. **Exp Neurol** 1987 Apr;96(1):61–7

CYTOLOGY

The oligodendrocyte-type-2 astrocyte cell lineage is specialized for myelination. ffrench-Constant C, et al. **Nature** 1986 Sep 25-Oct 1;323(6086):335–8

DRUG EFFECTS

Effects of KC 3791 on sodium and potassium channels in frog node of Ranvier. Zaborovskaya LD, et al. **Gen Physiol Biophys** 1986 Dec;5(6):605–15

Effects of chloramine-T on charge movement and fraction of open channels in frog nodes of Ranvier. Drews G. **Pflugers Arch** 1987 Jul;409(3):251–7

Action of benzocaine on sodium channels of frog nodes of Ranvier treated with chloramine-T. Meeder T, et al. **Pflugers Arch** 1987 Jul;409(3):265–73

GROWTH & DEVELOPMENT

Rules governing membrane reorganization and axon-glial interactions during the development of myelinated fibers. Waxman SG. **Prog Brain Res** 1987;71:121–41

METABOLISM

Axonal transport through nodes of Ranvier. Armstrong R, et al. **Brain Res** 1987 May 26;412(1):196–9

PATHOLOGY

Nodal and paranodal structural changes in frog optic nerve during early Wallerian degeneration. Ishise J, et al. **J Neurocytol** 1986 Oct;15(5):657–70

PHYSIOLOGY

Effects of some chemical reagents on sodium current inactivation in myelinated nerve fibers of the frog. Rack M, et al. **Biophys J** 1986 Oct;50(4):557–64

Effects of benzocaine on the kinetics of normal and batrachotoxin-modified Na channels in frog node of Ranvier. Schneider MF, et al. **Biophys J** 1986 Sep; 50(3):523–30

Voltage-clamp analysis of nodes of Ranvier in regenerated rat sciatic nerve. Brismar T, et al. **Brain Res** 1987 Apr 21;409(2):227–35

Differential sensitivity of amphibian nodal and paranodal K+ channels to 4-aminopyridine and TEA. Schauf CL. **Experientia** 1987 Apr 15;43(4):405–8

A comparison of sodium currents in rat and frog myelinated nerve: normal and modified sodium inactivation. Neumcke B, et al. **J Physiol (Lond)** 1987 Jan;382:175–91

The effects of rubidium ions on components of the potassium conductance in the frog node of Ranvier. Plant TD. **J Physiol (Lond)** 1986 Jun;375:81–105

Peroxidase activity at consecutive nodes of Ranvier in the nerve to the medial gastrocnemius muscle after intramuscular administration of horseradish peroxidase. Berthold CH, et al. **Neuroscience** 1986 Dec;19(4):1349–62

Gating current experiments on frog nodes of Ranvier treated with Centruroides sculpturatus toxins or aconitine. Meves H, et al. **Pflugers Arch** 1987 Aug;409(4–5):381–93

PHYSIOPATHOLOGY

Reversible and irreversible nodal dysfunction in diabetic neuropathy. Brismar T, et al. **Ann Neurol** 1987 May; 21(5):504–7

ULTRASTRUCTURE

Node of Ranvier formation along fibres regenerating through silicone tube implants: a freeze-fracture and thin-section electron microscopic study. Le Beau JM, et al. **J Neurocytol** 1987 Jun;16(3):347–58

Macromolecular structure of the Schwann cell membrane. Perinodal microvilli. Waxman SG, et al. **J Neurol Sci** 1987 Jan;77(1):23–34

Alterations in the ultrastructure of peripheral nodes of Ranvier associated with repetitive action potential propagation. Wurtz CC, et al. **J Neurosci** 1986 Nov; 6(11):3133–43

RAPE

Toluidine blue in the corroboration of rape in the adult victim. McCauley J, et al. **Am J Emerg Med** 1987 Mar; 5(2):105–8

Rape and multiple personality disorder [letter] Ament A. **Am J Psychiatry** 1987 Apr;144(4):541

Assault experiences of 100 psychiatric inpatients: evidence of the need for routine inquiry. Jacobson A, et al. **Am J Psychiatry** 1987 Jul;144(7):908–13

Atropine for self defense [letter] Seidman DS. **Ann Emerg Med** 1987 Jun;16(6):723–4

College student attitudes toward forcible date rape: I. Cognitive predictors. Fischer GJ. **Arch Sex Behav** 1986 Dec;15(6):457–66

Sexual climate and reported rape: a state-level analysis. Jaffee D, et al. **Arch Sex Behav** 1987 Apr;16(2):107–23

Self-reported fears of rape victims. A preliminary investigation. Veronen LJ, et al. **Behav Modif** 1980 Jul; 4(3):383–96

Psychiatric disorders in rape victims: past history and current symptomatology. Frank E, et al. **Compr Psychiatry** 1987 Jan–Feb;28(1):77–82

The ecology of rape victimization: a case study of Buffalo, New York. Ploughman P, et al. **Genet Soc Gen Psychol Monogr** 1986 Aug;112(3):303–24

Risk of AIDS after rape [letter] Forster GE, et al. **Genitourin Med** 1987 Jun;63(3):217

Sexually transmitted diseases in rape victims [letter] Kay LA. **Genitourin Med** 1987 Feb;63(1):62

Factitious rape: a case report. Dohn HH. **Hillside J Clin Psychiatry** 1986;8(2):224–31

Childhood and adolescent characteristics of pedophiles and rapists. Tingle D, et al. **Int J Law Psychiatry** 1986; 9(1):103–16

Decreased interpretation of nonverbal cues in rape victims. Giannini AJ, et al. **Int J Psychiatry Med** 1986–87; 16(4):389–93

The active and passive fantasy of rape as a specific determinant in a case of acrophobia. Adams-Silvan A. **Int J Psychoanal** 1986;67 (Pt 4):467–73

The scope of rape: incidence and prevalence of sexual aggression and victimization in a national sample of higher education students. Koss MP, et al. **J Consult Clin Psychol** 1987 Apr;55(2):162–70

Heterosocial perception in rapists. Lipton DN, et al. **J Consult Clin Psychol** 1987 Feb;55(1):17–21

Multimethod assessment of rapists, child molesters, and three control groups on behavioral and psychological measures. Overholser JC, et al. **J Consult Clin Psychol** 1986 Oct; 54(5):682–7

The use and abuse of the rape treatment center. Schiff AF. **J Forensic Sci** 1977 Jan;22(1):251–5

The aftermath of rape. Profiles of immediate and delayed treatment seekers. Stewart BD, et al. **J Nerv Ment Dis** 1987 Feb;175(2):90–4

A cognitive-behavioral approach to understanding and treating sexual trauma. McCarthy BW. **J Sex Marital Ther** 1986 Winter;12(4):322–9

Rape victim advises report attack, get help [news] Riesenberg D. **JAMA** 1987 Feb 20;257(7):895

Treating a societal malignancy—rape [news] Riesenberg D. **JAMA** 1987 Feb 13;257(6):726–7

Factors that correlate with injury sustained by survivors of sexual assault. Cartwright PS. **Obstet Gynecol** 1987 Jul; 70(1):44–6

Monoclonal antibody: new probe for sexual assault evidence. Evans RJ, et al. **Va Med** 1987 Jul;114(7):411–5

[The effects of rape 6 months after the attack and factors associated with recovery] Streit-Forest U, et al. **Can J Psychiatry** 1987 Feb;32(1):43–56 (Eng. Abstr.) **(Fre)**

[Positive results for acid phosphatase in stains produced in vitro from fluid expelled from the urethra (ejaculate) in women. Macro-enzymo-histochemical forensic medicine study] Zaviačič M, et al. **Bratisl Lek Listy** 1987 Apr; 87(4):423–31 (Eng. Abstr.) **(Slo)**

LEGISLATION & JURISPRUDENCE

Treatment of rape victims [letter] Enos WF, et al. **J Forensic Sci** 1977 Jan;22(1):3–4

Postmortem stability of prostatic acid phosphatase. Standefer JC, et al. **J Forensic Sci** 1977 Jan;22(1):165–72

Genital injury and implied consent to alleged rape. Cartwright PS, et al. **J Reprod Med** 1986 Nov; 31(11):1043–4

The approach to sexual assault: medicosocial project. Sharony A, et al. **Med Law** 1987;6(3):251–61

Male victims of sexual assault. Mezey G, et al. **Med Sci Law** 1987 Apr;27(2):122–4

The medical examination of the live rape victim and the accused. Paul DM. **Med Trial Tech Q** 1982 Spring; 28(4):424–44

PREVENTION & CONTROL

Resistance to sexual aggression: personality, attitudinal, and situational factors. Amick AE, et al. **Arch Sex Behav** 1987 Apr;16(2):153–63

Motivations studied and treatments devised in attempt to change rapists' behavior [news] Riesenberg D. **JAMA** 1987 Feb 20;257(7):899–900

RAPESEED see **BRASSICA**

RAPHE NUCLEI

The modification by systemic morphine of the responses of serotonergic and non-serotonergic neurons in nucleus raphe magnus to heating the tail. Chiang CY, et al. **Pain** 1986 Aug;26(2):245–57

Microinjection of dopamine agonists into nucleus raphe magnus affects nociception in rats. Phillips S, et al. **Pain** 1986 Aug;26(2):259–66

ANALYSIS

Differential pulse voltammetry in vivo with working carbon fiber electrodes: 5-hydroxyindole compounds or uric acid detection? Cespuglio R, et al. **Exp Brain Res** 1986; 64(3):589–95

gamma-Aminobutyric acid and 5-hydroxytryptamine interrelationship in the rat nucleus raphe dorsalis: combination of radioautographic and immunocytochemical techniques at light and electron microscopy levels. Harandi M, et al. **Neuroscience** 1987 Apr;21(1):237–51

ANATOMY & HISTOLOGY

The morphology and divergent axonal organization of midbrain raphe projection neurons in the rat. Imai H, et al. **Brain Dev** 1986;8(4):343–54

Bi-directional, chemically specified neural connections between the subfornical organ and the midbrain raphe system. Lind RW. **Brain Res** 1986 Oct 8;384(2):250–61

The topographical organization of neurons in the dorsal hypothalamic area that project to the spinal cord or to the nucleus raphé pallidus in the rat. Hosoya Y, et al. **Exp Brain Res** 1987;66(3):500–6

Monosynaptic raphespinal and reticulospinal projection to forelimb motoneurones in cats. Alstermark B, et al. **Neurosci Lett** 1987 Mar 9;74(3):286–90

The relationship between descending serotonin projections and ascending projections in the nucleus raphe magnus: a double labeling study. Bowker RM. **Neurosci Lett** 1986 Oct 20;70(3):348–53

CYTOLOGY

Intracellular horseradish peroxidase labeling of rapidly firing dorsal raphe projection neurons. Park MR. **Brain Res** 1987 Jan 27;402(1):117–30

Morphology of pontomedullary raphe and reticular formation neurons in the brainstem of the cat: an intracellular HRP study. Edwards DL, et al. **J Comp Neurol** 1987 Feb 8;256(2):257–73

Transient midline raphe glial structure in the developing rat. Van Hartesveldt C, et al. **J Comp Neurol** 1986 Nov 8; 253(2):174–84

Effects of coculture on the morphology of identified raphe and substantia nigra neurons from the embryonic rat brain. König N, et al. **J Neurosci Res** 1987;17(4):349–60

Additive effects of apomorphine and clonidine on serotonin neurons in the dorsal raphe. Lee EH. **Life Sci** 1987 Feb 16;40(7):635–42

Target cell stimulation of dissociated serotonergic neurons in culture. Azmitia EC, et al. **Neuroscience** 1987 Jan; 20(1):47–63

[Origin of the afferent projections to the basolateral complex of the amygdala and dorsal raphe nucleus. A study using markers with fluorescent tracing] Leanza G, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30;62(6):793–8 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

The role of the nucleus raphe pontis and the caudate nucleus in alfentanil rigidity in the rat. Blasco TA, et al. **Brain Res** 1986 Oct 29;386(1–2):280–6

Release of endogenous monoamines into spinal cord superfusates following the microinjection of phentolamine into the nucleus raphe magnus. Sagen J, et al. **Brain Res** 1987 Mar 17;406(1–2):246–54

In vivo voltammetric studies of the effect of morphine on the serotonergic system in the cat spinal cord. Suzuki Y, et al. **Brain Res** 1986 Nov 29;398(2):413–8

Suppression of locomotor activity produced by acute injections of kainic acid into the median raphe nucleus. Wirtshafter D, et al. **Brain Res** 1987 Apr 7;408(1–2):349–52

Ipsapirone depresses neuronal activity in the dorsal raphe nucleus and the hippocampal formation. Basse-Tomusk A, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):141–3

(-)-Propranolol blocks the inhibition of serotonergic dorsal raphe cell firing by 5-HT1A selective agonists. Sprouse JS, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):295–8

Inhibition of serotonergic dorsal raphe neurons by systemic and iontophoretic administration of buspirone, a non-benzodiazepine anxiolytic drug. VanderMaelen CP, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):123–30

Effect of buspirone on single unit activity in locus coeruleus and dorsal raphe nucleus in behaving cats. Wilkinson LO, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):123–7

Serotonergic dorsal raphe neurons: subsensitivity to amphetamine with long-term treatment. Heidenreich BA, et al. **Neuropharmacology** 1987 Jul;26(7A):719–24

Buspirone decreases the activity of serotonin-containing neurons in the dorsal raphe in freely-moving cats. Trulson ME, et al. **Neuropharmacology** 1986 Nov;25(11):1263–6

Injection of capsaicin into the nucleus raphe dorsalis elicits heat loss in the rat. Hajós M, et al. **Neurosci Lett** 1987 Mar 31;75(2):199–204

5,7-Dihydroxytryptamine modifies excitability of rat dorsal raphe serotonergic neurons in vitro. Segal M. **Neurosci Lett** 1986 Nov 21;71(3):306–10

Intracerebral MPTP injections in the rat cause cell loss in the substantia nigra, ventral tegmental area and dorsal raphe. Takada M, et al. **Neurosci Lett** 1987 Jul 22; 78(2):145–50

Kainic acid microinjected into the cat raphe dorsal nucleus modulates the somatosensory evoked potentials and their cycles of excitability. Moyanova S, et al. **Neuroscience** 1987 Jul;22(1):83–9

Effects of morphine on two types of nucleus raphe dorsalis neurons in awake cats. Shima K, et al. **Pain** 1987 Jun; 29(3):375–86

Evidence against serotonin involvement in the hyperactivity produced by injections of muscimol into the median raphe nucleus. Wirtshafter D, et al. **Pharmacol Biochem Behav** 1987 May;27(1):45–52

EMBRYOLOGY

Denervation of serotonergic fibers in the hippocampus induced a trophic factor which enhances the maturation of transplanted serotonergic neurons but not norepinephrine neurons. Zhou FC, et al. **J Neurosci Res** 1987;17(3):235–46

ENZYMOLOGY

(6R)-tetrahydrobiopterin increases the activity of tryptophan hydroxylase in rat raphe slices. Sawada M, et al. **J Neurochem** 1986 Nov;47(5):1544–7

GROWTH & DEVELOPMENT

6-Hydroxydopamine induces serotonergic axon sprouting in cerebral cortex of newborn rat. Blue ME, et al. **Brain Res** 1987 Apr;429(2):255–69

METABOLISM

Circadian covariation of norepinephrine and serotonin in the locus coeruleus and dorsal raphe nucleus in the rat. Agren H, et al. **Brain Res** 1986 Nov 12;397(2):353–8

Anti-5-hydroxytryptamine antibodies: studies on their cross-reactivity in vitro and their immunohistochemical specificity. Bras H, et al. **Exp Brain Res** 1986;63(3):627–38

Serotonin-containing structures in the nucleus raphe dorsalis of the cat: an ultrastructural analysis of dendrites, presynaptic dendrites, and axon terminals. Chazal G, et al. **J Comp Neurol** 1987 May 15;259(3):317–29

Serotonin turnover rate in raphe and cortex of mice infected with Venezuelan equine encephalomyelitis virus. Lima L,

et al. **J Neurosci Res** 1987;17(4):428–34

Serotonergic and non-serotonergic raphe neurons projecting to the feline lumbar and cervical spinal cord: a quantitative horseradish peroxidase-immunocytochemical study. Bowker RM, et al. **Neurosci Lett** 1987 Mar 20;75(1):31–7

Evidence that serotonergic projections to the substantia nigra in the rat arise in the dorsal, but not the median, raphe nucleus. Wirtshafter D, et al. **Neurosci Lett** 1987 Jun 26; 77(3):261–6

Coexistence during ontogeny and transplantation. Schultzberg M, et al. **Prog Brain Res** 1986;68:129–45

Origin of monoaminergic innervation of the nucleus raphe magnus--a combined monoamine histochemistry and fluorescent retrograde tracing study in the rat. Dong XW, et al. **Sci Sin [B]** 1986 Jun;29(6):599–608

PHYSIOLOGY

Sympathetic alterations after midline medullary raphe lesions. McCall RB, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R91–100

Effect of dorsal midbrain lesion in infant rats on development of circadian rhythm. Takahashi K, et al. **Brain Dev** 1986; 8(4):373–81

Modulation of striatal dopamine metabolism by the activity of dorsal raphe serotonergic afferences. De Simoni MG, et al. **Brain Res** 1987 May 12;411(1):81–8

Serotonin-mediated excitation of recurrent laryngeal and phrenic motoneurons evoked by stimulation of the raphe obscurus. Holtman JR Jr, et al. **Brain Res** 1987 Aug 4; 417(1):12–20

Thermosensitivity of dorsal raphe neurons in vitro. Keenan CL, et al. **Brain Res** 1987 Apr 28;410(1):189–94

Circadian activity rhythms in rats with midbrain raphe lesions. Levine JD, et al. **Brain Res** 1986 Oct 8;384(2):240–9

Peptidergic hypothalamic afferents to the cat nucleus raphe pallidus as revealed by a double immunostaining technique using unconjugated cholera toxin as a retrograde tracer. Luppi PH, et al. **Brain Res** 1987 Feb 3;402(2):339–45

Single unit activity of noradrenergic neurons in locus coeruleus and serotonergic neurons in the nucleus raphe dorsalis of freely moving cats in relation to the cardiac cycle. Morilak DA, et al. **Brain Res** 1986 Dec 10; 399(2):262–70

Determination of the source of 5-hydroxytryptaminergic neuronal projections to the neural and intermediate lobes of the rat pituitary gland through the use of electrical stimulation and lesioning experiments. Shannon NJ, et al. **Brain Res** 1987 Jul 28;416(2):322–30

Firing properties of two types of nucleus raphe dorsalis neurons during the sleep-waking cycle and their responses to sensory stimuli. Shima K, et al. **Brain Res** 1986 Dec 10;399(2):317–26

The effects of periaqueductal gray and nucleus raphe magnus stimulation on the spontaneous and noxious-evoked activity of lateral reticular nucleus neurons in rabbits. Sotgiu ML. **Brain Res** 1987 Jun 30;414(2):219–27

Depletion of striatal beta-phenylethylamine following dopamine but not 5-HT denervation. Greenshaw AJ, et al. **Brain Res Bull** 1986 Oct;17(4):477–84

Gabaergic interneurons in the dorsal raphe mediate the effects of apomorphine on serotonergic system. Lee EH, et al. **Brain Res Bull** 1987 Mar;18(3):345–53

A comparison of the electrophysiological and pharmacological properties of serotonin-containing neurons in the nucleus raphe dorsalis, raphe medianus and raphe pallidus recorded from mouse brain slices in vitro: role of autoreceptors. Trulson ME, et al. **Brain Res Bull** 1987 Feb;18(2):179–90

Rat hypothalamic noradrenaline levels following midbrain raphé nuclei lesions. Juorio AV, et al. **Comp Biochem Physiol [C]** 1986;85(1):149–50

The influence of raphe lesions, p-chlorophenylalanine, and ketanserin on the estrogen-induced afternoon prolactin surge. Pan JT, et al. **Endocrinology** 1987 May;120(5):2070–7

The failure of morphine to interact with serotonin on nucleus raphe magnus descending inhibition or morphine-induced suppression of cat spinal cord multireceptive neurones. Khanna S, et al. **Gen Pharmacol** 1987;18(3):287–92

Serotonergic neuron stimulation modulates thalamocortical glucose use in the conscious rat. Cudennec A, et al. **J Cereb Blood Flow Metab** 1987 Aug;7(4):502–6

Spinal pathways mediating tonic, coeruleospinal, and raphe-spinal descending inhibition in the rat. Jones SL, et al. **J Neurophysiol** 1987 Jul;58(1):138–59

The effects of focal stimulation in nucleus raphe magnus and periaqueductal gray on intracellularly recorded neurons in spinal laminae I and II. Light AR, et al. **J Neurophysiol** 1986 Sep;56(3):555–71

Serotoninergic and non-serotoninergic responses of phrenic motoneurones to raphe stimulation in the cat. Lalley PM. **J Physiol (Lond)** 1986 Nov;380:373–85

Responses of phrenic motoneurones of the cat to stimulation of medullary raphe nuclei. Lalley PM. **J Physiol (Lond)** 1986 Nov;380:349–71

Stimulation of raphe (obscurus) nucleus causes long-term potentiation of phrenic nerve activity in cat. Millhorn DE. **J Physiol (Lond)** 1986 Dec;381:169–79

Changes in the EEG-reactions to repetitive peripheral and central electrical stimulation by intraraphedorsal kainic acid in the cat. Moyanova S, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan;9(1):39–47

Presence of opioid receptors in mesencephalic nucleus dorsalis raphe concerned in cardiovascular regulation in cats. Saxena AK, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):81–6

Changes in the activity of the neurons of the visual cortex on stimulation of the midbrain raphe nuclei. Gasanov GG, et al. **Neurosci Behav Physiol** 1987 Jan-Feb;17(1):71–3

Changes in evoked potentials of rabbit visual field during stimulation of raphe nuclei and locus ceruleus. Gasanov GG, et al. **Neurosci Behav Physiol** 1987 Mar-Apr; 17(2):136–8

Responses of neurones in the brainstem raphe nuclei to stimulation of the cerebellar fastigial nuclei in the cat. Morris R. **Neurosci Lett** 1987 Feb 10;74(1):19–24

Effects of nucleus raphe magnus stimulation on jaw-opening reflex and trigeminal brain-stem neurone responses in normal and tooth pulp-deafferented cats. Hu JW, et al. **Pain** 1986 Dec;27(3):349–60

Changes in cold- and heat-defence following electrolytic lesions of raphe nuclei in the guinea-pig. Szelényi Z, et al. **Pflugers Arch** 1987 Jun;409(1-2):175–81

Effects of idebenone, a cerebral metabolism activator, on muricidal behavior in rats with raphe lesions. Miyamoto M, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):351–3

Clonidine-induced sedation is not modified by single or combined neurochemical lesions of the locus coeruleus, the median and dorsal raphe nuclei. Nassif-Caudarella S, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1211–6

Behavioral and biochemical studies of the substrates of median raphe lesion induced hyperactivity. Wirtshafter D, et al. **Physiol Behav** 1986;38(6):751–9

Different behavioral responses of rats to kainate injections into the dorsal and median raphe nuclei. Przewłocka B, et al. **Pol J Pharmacol Pharm** 1986 Sep-Dec;38(5-6):509–19

Effect of raphe lesions on the development of chronic tolerance to pentobarbital and cross-tolerance to ethanol. Khanna JM, et al. **Psychopharmacology (Berlin)** 1987; 91(4):473–8

[The outline of study on the relationship between raphe nuclei and acupuncture analgesia] Wang YJ. **Chen Tzu Yen Chiu** 1986;11(1):68–72 (33 ref.) (Eng. Abstr.) **(Chi)**

[Role of the n. dorsal raphe and cyproheptadine on the changes of unit discharges in the dorsal hippocampal pyramidal layer under electroacupuncture in rats] Zhu DN, et al. **Chen Tzu Yen Chiu** 1987;12(1):58–61 (Eng. Abstr.) **(Chi)**

[Effect of iontophoretic 5-HT on raphe-spinal neurons] Zhu LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep; 7(5):394–8 (Eng. Abstr.) **(Chi)**

[The dorsal raphe nucleus is involved in the inhibitory effect of hypothalamic arcuate stimulation on pain-evoked unit discharges of the thalamic parafascicular nucleus] Chen XY, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):46–53 (Eng. Abstr.) **(Chi)**

[Effect of raphe dorsalis and locus coeruleus stimulation on evoked potential in the hypothalamic arcuate nucleus area] Duanmu ZX, et al. **Sheng Li Hsueh Pao** 1985 Dec; 37(6):517–24 (Eng. Abstr.) **(Chi)**

[Effects of morphine applied locally in the nucleus parabrachialis medialis (NPBM) on the discharges of units in the region of the nucleus raphe magnus (NRM) in the rabbit] He JR, et al. **Sheng Li Hsueh Pao** 1986 Apr; 38(2):181–90 (Eng. Abstr.) **(Chi)**

[Potentiation of acupuncture analgesia by GABA in the dorsal raphe nucleus] Ye WL, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):123–31 (Eng. Abstr.) **(Chi)**

[Inhibitory effects of stimulation of the periaqueductal grey and raphe nucleus magnus on nociceptive responses in cat spinal dorsal horn neurons] Zhao ZQ, et al. **Sheng Li Hsueh Pao** 1986 Jun;38(3):221–31 (Eng. Abstr.) **(Chi)**

[Study on the central mechanisms of the depressor effect induced by stimulation of the peripheral end of the abdominal vagus in the rabbit] Zuo WM, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):597–603 (Eng. Abstr.) **(Chi)**

[Anatomic and neurophysiologic studies on nucleus raphe magnus] Pan ZZ, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):199–205 (63 ref.) **(Chi)**

[Specific lesions of serotoninergic cells in the raphe. Effect on kindling of the olfactory bulb in rats] Torrès JH, et al. **C R Soc Biol (Paris)** 1986;180(5):530–7 (Eng. Abstr.) **(Fre)**

[Neonatal administration of 5,7-dihydroxytryptamine induces in the adult rat a decrease in paradoxical sleep restored by an intracisternal injection of fetal raphe cells] Glin L, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Oct; 16(3):273–82 (Eng. Abstr.) **(Fre)**

[Nucleus raphe magnus and efferent analgesia] Toda K. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):589 **(Jpn)**

[The participation of nucleus raphe magnus in morphine-induced descending antinociceptive system] Yoon SH. **Masui** 1987 Jan;36(1):12–20 (Eng. Abstr.) **(Jpn)**

[Nucleus raphe magnus and efferent analgesia] Toda K. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):589 **(Jpn)**

[Effect of electric stimulation of raphe nuclei and the locus coeruleus on the synchronization of cortical potentials in the rabbit] Mamedov ZG, et al. **Zh Vyssh Nerv Deiat** 1987 May-Jun;37(3):559–62 **(Rus)**

[Serotoninergic effects in the early ontogenesis of the cat are effected in the neocortex by inhibitory interneurons] Raevskil VV. **Zh Vyssh Nerv Deiat** 1987 Mar-Apr; 37(2):362–4 **(Rus)**

PHYSIOPATHOLOGY

Responses of raphe-spinal neurons to stimulation of the pontine parabrachial region producing behavioral nociceptive suppression in the cat. Katayama Y, et al. **Appl Neurophysiol** 1986;49(3):112–20

Ulcerogenic effect of the lesion of the median raphe nucleus in fasted rats. Hoshino K, et al. **Braz J Med Biol Res** 1986; 19(1):123–30

The response of individual nucleus raphe magnus neurons to microinjections of met-enkephalin at midbrain and at bulbar loci: evidence for midbrain-bulbar convergence on individual raphe neurons. Rosenfeld JP. **Int J Neurosci** 1987 Apr;33(3-4):165–73

Evidence for a role of 5-hydroxytryptamine in the responses of rat raphe magnus neurones to peripheral noxious stimuli. Dickenson AH, et al. **Neuropharmacology** 1986 Aug; 25(8):863–8

Raphe magnus-induced descending inhibition of spinal nociceptive neurons is mediated through contralateral spinal pathways in the cat. Sandkühler J, et al. **Neurosci Lett** 1987 May 6;76(2):168–72

SECRETION

Release of serotonin in structures containing serotoninergic nerve cell bodies: dorsalis raphe nucleus and nodose ganglia of the cat. Hery F, et al. **Ann NY Acad Sci** 1986;473:239–55

TRANSPLANTATION

A serotonin-hippocampal model indicates adult neurons survive transplantation and aged target may be deficient in a soluble serotonergic growth factor. Azmitia EC. **Ann NY Acad Sci** 1987;495:362–77

Interactions between grafted serotonin neurons and adult host rat hippocampus. Segal M. **Ann NY Acad Sci** 1987; 495:284–95

Functional activity of raphe neurons transplanted to the hippocampus and caudate-putamen. An immunohistochemical and neurochemical analysis in adult and aged rats. Steinbusch HW, et al. **Ann NY Acad Sci** 1987;495:169–84

Stimulation of serotonergic neuronal maturation after fetal mesencephalic raphe transplantation into the 5,7-DHT-lesioned hippocampus of the adult rat. Zhou FC, et al. **Ann NY Acad Sci** 1987;495:138–52

Raphe dorsalis-spinal cord cografts in oculo: electrophysiological evidence for an excitatory serotonergic innervation of transplanted spinal neurons. Henschen A, et al. **Brain Res Bull** 1986 Dec;17(6):801–8

Serotonin neuron transplants: electrophysiological unit activity of intrahippocampal raphe grafts in freely moving cats. Trulson ME, et al. **Brain Res Bull** 1986 Oct; 17(4):461–8

ULTRASTRUCTURE

Vesicle-containing dendrites in the nucleus raphe dorsalis of the cat. A serial section electron microscopic analysis. Chazal G, et al. **J Neurocytol** 1986 Dec;15(6):777–87

RAPID EYE MOVEMENTS see **SLEEP, REM**

RARE BOOKS

Medical rare book provenance. Overmier JA, et al. **Bull Med Libr Assoc** 1987 Jan;75(1):14–8

Books from the Library of the Medical Society of London. An exhibition at the Wellcome Institute. **Trans Med Soc Lond** 1984–85;101:72–81

HISTORY

Old anatomy books [editorial] Louis R. **Surg Radiol Anat** 1986;8(3):153–4

RARE GASES see **GASES, RARE**

RAS GENES see **ONCOGENES**

RAT-BITE FEVER

DIAGNOSIS

Septic arthritis due to Streptobacillus moniliformis [letter] Anderson D, et al. **Arthritis Rheum** 1987 Feb;30(2):229–30

RAT NEMATODE see **NIPPOSTRONGYLUS**

RATE SETTING AND REVIEW

Pricing strategies and optimizing reimbursement. Sabatier HS, et al. **Emerg Med Clin North Am** 1987 Feb;5(1):167–77

Is state rate setting the best path to controlling costs? [letter] Mitchell SA, et al. **Health Aff (Millwood)** 1987 Summer; 6(2):170–2

Back to chickens [editorial] Weaver JP. **NC Med J** 1987 Jun; 48(6):312

LEGISLATION & JURISPRUDENCE

Billing-number law makes them second-class citizens, BC

doctors say [editorial] Woods D. **Can Med Assoc J** 1987 Aug 15;137(4):329–30
Controlling hospital cost inflation: new perspectives on state rate setting. Schramm CJ, et al. **Health Aff (Millwood)** 1986 Fall;5(3):22–33
States continue to wrestle with rate-setting laws. Burda D. **Hospitals** 1987 Apr 20;61(8):66
Regulation v. competition: three states choose. Merrill T. **Hospitals** 1987 Jul 5;61(13):34, 36
Market and regulatory influences on the availability of coronary angioplasty and bypass surgery in U.S. hospitals. Robinson JC, et al. **N Engl J Med** 1987 Jul 9;317(2):85–90
State rate-setting strategies. Cobb CC, et al. **Top Health Care Financ** 1986 Winter;13(2):17–26

METHODS

The forgotten component of third party reimbursement. Net profit. Proctor KA, et al. **Am Pharm** 1987 Apr; NS27(4):52–5
Including a measure of health status in Medicare's health maintenance organization capitation formula: reliability issues. Lichtenstein R, et al. **Med Care** 1987 Feb; 25(2):100–10
Paying for HMO care: issues and options in setting capitation rates. Anderson GF, et al. **Milbank Q** 1986;64(4):548–65
Evaluating pricing for health care service contracts. Benz PD, et al. **Top Health Care Financ** 1986 Winter;13(2):59–77

RATIONALIZATION see under **DEFENSE MECHANISMS**

RATS

see related
RODENT CONTROL

The urinary system of laboratory animals. International symposium and histopathology seminar,Nara City, Japan, 26–29 March 1986. Abstracts. **Exp Pathol** 1987;31(2):65–76
Food preference, consumption and efficacy of three rodenticides against Rattus norvegicus and Rattus rattus frugivorous, in Ismailia, Egypt. Shoukry A, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):717–25
Is euthanasia of rats by decapitation inhumane? Allred JB, et al. **J Nutr** 1986 Sep;116(9):1859–61
Pathology of degenerative osteoarthrosis of the thoracic vertebrae in rats. Yamasaki K. **Jikken Dobutsu** 1986 Jul; 35(3):245–8
Microclimate in two types of rat cages. Hirsjärvi PA, et al. **Lab Anim** 1987 Apr;21(2):95–8
Spontaneous endometrial tumours of 'Sabra' rats. Mor N, et al. **Lab Anim** 1986 Oct;20(4):316–20
An automatic feeder for infant rats. Hoshiba J. **Lab Anim Sci** 1986 Dec;36(6):682–5
An animal model of cerebral aneurysms. Hazama F, et al. **Neuropathol Appl Neurobiol** 1987 Mar–Apr;13(2):77–90
The chances of false negative results in conventional toxicology studies with rats. Chanter DO, et al. **Toxicology** 1987 Jan;43(1):65–74
Immunohistochemical and electron microscopic study of meningeal granular cell tumors in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jul;24(4):356–9
Multiple tumours in the brain of a male Han: SPRD rat. Kaspareit J, et al. **Z Versuchstierkd** 1986;28(6):282–3

ANATOMY & HISTOLOGY

Comparative studies of the dorsal surface of the tongue in three mammalian species by scanning electron microscopy. Iwasaki S, et al. **Acta Anat (Basel)** 1987;128(2):140–6
Light and electron microscopic immunohistochemical studies of serotonin nerve fibers in the substantia nigra of the rat, cat and monkey. Mori S, et al. **Anat Embryol (Berl)** 1987; 176(1):13–8
An HRP study of the motoneurons supplying the rat hypobranchial muscles: central localization, peripheral axon course and soma size. Kitamura S, et al. **Anat Rec** 1986 Sep;216(1):73–81
Complex convolutions in neurons of the dorsal lateral geniculate nucleus of the normal albino rat. Satorre J, et al. **Brain Res** 1987 Feb 24;404(1–2):231–8
Mucosal mast cells in the rat and in man. Enerbäck L. **Int Arch Allergy Appl Immunol** 1987;82(3–4):249–55 (26 ref.)
Unusual structure of rat conjunctival epithelium. Light and electron microscopy. Setzer PY, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):531–7
Regional surface areas of spontaneously hypertensive and Wistar-Kyoto rats. Lyzak WA, et al. **J Appl Physiol** 1987 Feb;62(2):752–5
Sources of projections to subdivisions of the inferior colliculus in the rat. Coleman JR, et al. **J Comp Neurol** 1987 Aug 8;262(2):215–26
Transneuronally transported wheat germ agglutinin labels glia as well as neurons in the rat visual system. Rhodes CH, et al. **J Comp Neurol** 1987 Jul 15;261(3):460–5
A comparison of endomyocardial disease in the rat with endomyocardial fibrosis in man. Naylor DC, et al. **J Comp Pathol** 1986 Sep;96(5):473–83
Lymphatic system of the thyroid gland in the rat. O'Morchoe PJ, et al. **Lymphology** 1987 Mar;20(1):10–9
Vasculature of the crista ampullaris of the rat as seen in microcorrosion casts. Tange RA, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):113–7
[The spermatic artery of the albino rat. Spiral segment] Esperanca-Pina JA, et al. **Bull Assoc Anat (Nancy)** 1985 Dec;69(207):377–88 **(Fre)**
[Morphological aspects of arterial islands in the circle of the base of the brain and the basilar trunk in the rat] Freire de Andrade F, et al. **Bull Assoc Anat (Nancy)** 1985 Sep; 69(206):231–9 **(Fre)**
[Comparative histometric studies of the size of kidney glomeruli in the mouse, rat and hamster] Hackbarth H, et al. **DTW** 1987 Feb 9;94(2):58–61 (Eng. Abstr.) **(Ger)**
[Endocrine cells of stomach epithelium in the ontogenesis of albino rats] Roccol'ko GN. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):86–92 (Eng. Abstr.) **(Rus)**

BLOOD

Examination of the utility of the rat as an animal model for human anticoagulation. Smith LJ, et al. **Haemostasis** 1987; 17(4):206–10

EMBRYOLOGY

The development of the rat hypothalamus. Altman J, et al. **Adv Anat Embryol Cell Biol** 1986;100:1–178
The position of the left and right ventricular outlets during septation. A comparison of chicken and rat development. Wagenaar JA, et al. **Anat Embryol (Berl)** 1986; 175(1):147–50
Effect of ultrasound on development. Part 2: Studies in mammalian species and overview. Sikov MR. **J Ultrasound Med** 1986 Nov;5(11):651–61 (75 ref.)
SEM observations of the neural fold associated with neurulation in the rat. Hung CF, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):287–90

GENETICS

The high resolution R-banded karyotype of Rattus norvegicus. Rønne M, et al. **Cytogenet Cell Genet** 1987; 45(2):113–7
The related genes encoding growth hormone and prolactin have been dispersed to chromosomes 10 and 17 in the rat. Cooke NE, et al. **Endocrinology** 1986 Dec;119(6):2451–4
Complete amino acid sequence of rat liver alcohol dehydrogenase deduced from the cDNA sequence. Crabb DW, et al. **Gene** 1986;48(2–3):287–91
The immunoglobulin lambda locus in rat consists of two C lambda genes and a single V lambda gene. Steen ML, et al. **Gene** 1987;55(1):75–84
Duplication of J kappa genes within genus Rattus. Gutman GA, et al. **Immunogenetics** 1987;26(1–2):14–20
Polymorphism and mapping of the complement gene C4 in the rat. Watters JW, et al. **Immunogenetics** 1987;25(3):204–6
Structure of a gene for rat calmodulin. Nojima H, et al. **J Mol Biol** 1987 Feb 5;193(3):439–45
Linkage studies on 13 biochemical loci and 2 coat color loci in a [(BN x TM) x TM] backcross progeny of the rat (Rattus norvegicus). Yamada J, et al. **Jikken Dobutsu** 1986 Oct; 35(4):511–5
The E. coli uvrB gene and the rat cytochrome c pseudogene. Homology or cloning artefact? Goosen N, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6748
Nucleotide and deduced amino acid sequence of rat liver 17 beta-hydroxysteroid UDP-glucuronosyltransferase. Harding D, et al. **Nucleic Acids Res** 1987 May 11;15(9):3936
Characterization of rat c-myc and adjacent regions. Hayashi K, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6419–36
5' flanking sequence of the gene for rat hepatic cytochrome P450e. Jaiswal AK, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6755
Natural point mutations within rat rDNA transcription terminator elements reveal the functional importance of single bases for factor binding and termination. Kermekchiev MB, et al. **Nucleic Acids Res** 1987 May 26; 15(10):4131–43
A mouse Ulb-2 gene with extensive sequence similarity to a rat Ula gene for 670 nucleotides 5' to the gene. Moussa NM, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3622
Nucleotide sequence of a full-length cDNA clone encoding preproparathyroid hormone from pig and rat. Schmelzer HJ, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6740
Direct introduction of genes into rats and expression of the genes. Benvenisty N, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9551–5
Antihypertensive effect of neonatal thymectomy in the genetically hypertensive LH rat. Bataillard A, et al. **Thymus** 1986;8(6):321–30
[Genetic monitoring of laboratory rat strains by restriction fragment length polymorphisms of mitochondrial DNA] Suzuki M, et al. **Jikken Dobutsu** 1987 Apr;36(2):169–75 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Growth and development of rats artificially reared on rats' milk or rats' milk/milk-substitute combinations. Tonkiss J, et al. **Br J Nutr** 1987 Jan;57(1):3–11
Thermoregulation and diurnal rhythms in 1-week-old rat pups. Schmidt I, et al. **Can J Physiol Pharmacol** 1987 Jun; 65(6):1355–64
Practical liquid diets for rats: effects on growth. Ramirez I. **Physiol Behav** 1987;39(4):527–30

IMMUNOLOGY

Comparison of rat MHC class I antigens by peptide mapping. Misra DN, et al. **Immunogenetics** 1987;25(1):35–46
Allergy to rats: quantitative immunoelectrophoretic studies of rat dust as a source of inhalant allergen. Longbottom JL, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):243–51
The influence of 7,12-dimethylbenzanthracene on natural killer (NK) cell function in rats. Kimber I, et al. **J Clin Lab Immunol** 1986 Aug;20(4):193–8
Corticotropin releasing factor-like immunoreactivity in the rat brain as revealed by a modified cobalt-glucose oxidase-diaminobenzidine method. Sakanaka M, et al. **J Comp Neurol** 1987 Jun 8;260(2):256–98
A serological survey on 15 murine pathogens in mice and rats. Kagiyama N, et al. **Jikken Dobutsu** 1986 Oct; 35(4):531–6
Serological surveys of Corynebacterium kutscheri infection in mice and rats. Suzuki E, et al. **Jikken Dobutsu** 1986 Oct; 35(4):485–9
Development of Thy 1 positive rat thymocytes: analysis of fetal and neonatal thymocytes by flow microfluorometry. Itoh T, et al. **Thymus** 1987;9(1):13–23
Alloantigenic systems in the rat. Sixth International Workshop. Rotterdam, The Netherlands, July 29 to August 1, 1986. **Transplant Proc** 1987 Jun;19(3):2979–3227
The major histocompatibility complex of the rat. Gill TJ 3d, et al. **Transplantation** 1987 Jun;43(6):773–85 (198 ref.)
Induction of transplantation tolerance in rats by spleen allografts. II. Evidence that W3/25+ T suppressor/inducer and OX8+ T suppressor/effector cells are required to mediate specific unresponsiveness. Stepkowski SM, et al. **Transplantation** 1987 Sep;44(3):443–8
[A seroepidemiological survey of the natural infection of pseudotuberculosis in human beings and animals] Li XF. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Feb; 8(1):40–2 (Eng. Abstr.) **(Chi)**

METABOLISM

Quantitative topochemistry of rat liver enzymes during postnatal development in relation to activity-rest cycle. Bhattacharya RD, et al. **Acta Anat (Basel)** 1987; 128(1):39–44
Possible microapocrine-type secretion developing in prostatic secretory epithelial cells of older rats in the early stage of castration. Kawamura H, et al. **Anat Anz** 1987; 163(4):289–300
Purification and partial characterization of rat intestinal cefuroxime axetil esterase. Campbell CJ, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2317–24
Warfarin resistance. Vitamin K epoxide reductase of Scottish resistance genes is not irreversibly blocked by warfarin. Thijssen HH. **Biochem Pharmacol** 1987 Sep 1;36(17):2753–7
Differences between glycogen synthases from rat and rabbit skeletal muscle as indicated by phosphopeptide maps. Hegazy MG, et al. **Biochim Biophys Acta** 1987 Feb 18; 927(2):269–79
Decrease in amylase (EC 3.4.21.4) synthesis in lactating rats. Mizoguchi J, et al. **Br J Nutr** 1987 Mar;57(2):291–9
A comparative study of the dopamine-acetylcholine interaction in telencephalic structures of the rat and of a reptile, the lizard Gekko gecko. Stoof JC, et al. **Brain Res** 1987 Feb 24;404(1–2):273–81
Carnitine acyltransferases and acyl-CoA hydrolases in human and rat liver. Agius L, et al. **Clin Sci** 1987 Jul;73(1):3–10
Dopamine and serotonin systems in human and rodent brain: effects of age and neurodegenerative disease. Morgan DG, et al. **J Am Geriatr Soc** 1987 Apr;35(4):334–45 (121 ref.)
Quantitative autoradiographic maps of local cerebral glucose metabolism in awake rats: I. Septal region and anterior hypothalamus. Brainard GC, et al. **J Comp Neurol** 1987 May 22;259(4):559–70
Intestinal accumulation of urea in germ-free animals--a factor in caecal enlargement. Juhr NC, et al. **Lab Anim** 1986 Jul;20(3):238–41
Influence of intestinal microflora on the tryptic activity during lactation in rats. Norin KE, et al. **Lab Anim** 1986 Jul;20(3):234–7
Cell and species differences in metabolic activation of chemical carcinogens. Hsu IC, et al. **Mutat Res** 1987 Mar; 177(1):1–7
Change in certain forms of aggressive behavior and monoamine content in the brain during selection of wild rats for taming. Nikulina EM, et al. **Neurosci Behav Physiol** 1986 Nov–Dec;16(6):466–71
Effect of varying dietary crude protein levels on the performance and nutrient utilization by the African giant rat (Cricetomys gambianus Waterhouse). Faturoti EO, et al. **Z Gesamte Hyg** 1986 Sep;32(9):534–6

MICROBIOLOGY

Persistence of rat virus in seropositive rats as detected by explant culture. Brief report. Paturzo FX, et al. **Arch Virol** 1987;95(1–2):137–42
Temporary and permanent modifications to a single strain of mouse scrapie on transmission to rats and hamsters. Kimberlin RH, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1875–81
A comparison of the antigenic characteristics of rat and human Pneumocystis carinii by immunoblotting. Walzer PD, et al. **J Immunol** 1987 Apr 1;138(7):2257–65
Gastrointestinal pH measurement in rats: influence of the microbial flora, diet and fasting. Ward FW, et al.

Lab Anim 1987 Jul;21(3):216–22

[Study on the spread of hemorrhagic fever with renal syndrome among animal hosts] Zhang SC. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1987 Feb; 8(1):34–6 (Eng. Abstr.) **(Chi)**

[Serological demonstration of the presence of Hantaan virus in Rattus norvegicus rats in an urban environment in France (letter)] Rollin PE, et al. **Presse Med** 1987 Mar 28; 16(11):538–9 **(Fre)**

[Serological demonstration of the presence of Hantaan virus in Rattus norvegicus rats in a rural environment in France (letter)] Rollin PE, et al. **Presse Med** 1987 Mar 28; 16(11):537–8 **(Fre)**

[Epidemiologic evaluation of a sample of 91 rats (Rattus norvegicus) captured in the sewers of Lyon] Seguin B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):539–46 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Epidemiologic observations on infection with Toxoplasma gondii in three species of urban mammals from Baltimore, Maryland, USA. Childs JE, et al. **Int J Zoonoses** 1986 Dec; 13(4):249–61

The seasonal variation of infestation rate with Xenopsylla cheopis among R. norvegicus in Qaluobiya Governorate (Egypt). Aboul-Ela RG, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):125–33

Redescription of Demodex nanus (Acari: Demodicidae) from Rattus norvegicus and R. rattus (Rodentia). Desch CE Jr. **J Med Entomol** 1987 Jan;24(1):19–23

Trichinella spiralis in an agricultural ecosystem: transmission under natural and experimentally modified on-farm conditions. Schad GA, et al. **J Parasitol** 1987 Feb; 73(1):95–102

[Echinostoma echinatum, Notocotylus noyeri and Quinqueserialis quinqueserialis as unusual parasites of Rattus norvegicus] Schuster R. **Angew Parasitol** 1986 Nov; 27(4):221–5 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The effect of nicotine and alcohol on the fertility and life span of rats. A cytological analysis. Riesenfeld A, et al. **Acta Anat (Basel)** 1987;128(1):45–50

Hemodynamics of hemorrhage in the conscious rat and chicken. Ploucha JM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R846–50

The effects of copulatory behavior on sperm transport and fertility in rats. Adler NT, et al. **Ann NY Acad Sci** 1986; 474:21–32 (63 ref.)

The role of ultrasonic vocalizations in the regulation of reproduction in rats. Barfield RJ, et al. **Ann NY Acad Sci** 1986;474:33–43 (32 ref.)

Elevation in hypothalamic cyclic AMP as a common factor in the facilitation of lordosis in rodents: a working hypothesis. Beyer C, et al. **Ann NY Acad Sci** 1986; 474:270–81 (130 ref.)

Studies on nitrogen metabolism in rats of different age fed on a protein-free diet. 2. The feed intake. Beza R. **Arch Tierernahr** 1986 Jul;36(7):571–83

Hormonal control of sexual behavior in the female rat: molecular, cellular and neurochemical studies. McEwen BS, et al. **Biol Reprod** 1987 Feb;36(1):37–45 (67 ref.)

Thermogenic effects of a "cafeteria" diet on the rat during its reproductive cycle. Castellà J, et al. **Comp Biochem Physiol [A]** 1986;85(2):203–6

Stereotyped behaviour and striatal dopamine receptors in albino rat and the desert rat (Mastomys natalensis): a comparative study. Gulati A, et al. **Indian J Exp Biol** 1986 Apr;24(4):248–51

Spinal cord projections from hindlimb muscle nerves in the rat studied by transganglionic transport of horseradish peroxidase, wheat germ agglutinin conjugated horseradish peroxidase, or horseradish peroxidase with dimethylsulfoxide. Molander C, et al. **J Comp Neurol** 1987 Jun 8;260(2):246–55

Identification, properties and effect of hormones on rat preputial gland peroxidase. De PK, et al. **J Endocrinol** 1987 Feb;112(2):239–45

Autoradiographic localization of binding sites for oxytocin and vasopressin in the rat kidney. Stoeckel ME, et al. **J Endocrinol** 1987 May;113(2):179–82

Single adult rabbit and rat cardiac myocytes retain the Ca2+- and species-dependent systolic and diastolic contractile properties of intact muscle. Capogrossi MC, et al. **J Gen Physiol** 1986 Nov;88(5):589–613

Effect of photoperiod, injection of pentobarbitone sodium or lesion of the suprachiasmatic nucleus on pre-partum decrease of blood progesterone concentrations or time of birth in the rat. Murakami N, et al. **J Reprod Fertil** 1987 Mar;79(2):325–33

[Spontaneous diseases as limiting factors in the life expectancy of laboratory rats] Deerberg F, et al. **DTW** 1987 Feb 9;94(2):53–5 (Eng. Abstr.) **(Ger)**

[Change in the electrical impedance caused by cornification of the epithelial cell layer of the vaginal mucosa in the rat] Koto M, et al. **Jikken Dobutsu** 1987 Apr;36(2):151–6 (Eng. Abstr.) **(Jpn)**

[A method for detecting the optimum day for mating during the 4-day estrous cycle in the rat; measuring the value of electrical impedance of the vagina] Koto M, et al. **Jikken Dobutsu** 1987 Apr;36(2):195–8 (Eng. Abstr.) **(Jpn)**

[Kinetic study of the effect of various olfactory signals on alkaline phosphatase activity in the olfactory tissue of Rattus norvegicus norvegicus] Sokolov VE, et al. **Dokl Akad Nauk SSSR** 1987;292(6):1513–6 **(Rus)**

SURGERY

A simple operation method on removal of the vomeronasal organ of the rat. Saito TR, et al. **Jikken Dobutsu** 1986 Oct; 35(4):527–9

Microsurgical approach to the cerebellomedullar region in rat. Renella RR, et al. **Lab Anim** 1986 Jul;20(3):210–2

URINE

A simple rapid method for the detection of rat urinary proteins by agarose electrophoresis and nigrosine staining. Allchin JP, et al. **Lab Anim** 1986 Jul;20(3):202–5

RATS, BANDICOOT see **MURIDAE**

RATS, BRATTLEBORO see under **RATS, MUTANT STRAINS**

RATS, COTTON see **CRICETIDAE**

RATS, GUNN see under **RATS, MUTANT STRAINS**

RATS, INBRED ACI see under **RATS, INBRED STRAINS**

RATS, INBRED BB see under **RATS, INBRED STRAINS**

RATS, INBRED BN see under **RATS, INBRED STRAINS**

RATS, INBRED BUF see under **RATS, INBRED STRAINS**

RATS, INBRED F344 see under **RATS, INBRED STRAINS**

RATS, INBRED LEW see under **RATS, INBRED STRAINS**

RATS, INBRED SHR see under **RATS, INBRED STRAINS**

RATS, INBRED STRAINS

Depressor effect of diabetes in the spontaneously hypertensive rat: associated changes in heart performance. Rodgers RL. **Can J Physiol Pharmacol** 1986 Sep; 64(9):1177–84

Inflammatory, proliferative, and neoplastic lesions at the site of metallic identification ear tags in Wistar [Crl:(WI)BR] rats. Waalkes MP, et al. **Cancer Res** 1987 May 1; 47(9):2445–50

Extended survival of MHC-compatible islet grafts from diabetes-resistant donors in spontaneously diabetic BB/W rat. Selawry H, et al. **Diabetes** 1987 Sep;36(9):1061–7

Development of a congenic strain of pigmented and albino rats for light damage studies. LaVail MM, et al. **Exp Eye Res** 1986 Nov;43(5):867–9

Development of an experimental animal model for reactive arthritis induced by Yersinia enterocolitica infection. Hill JL, et al. **Infect Immun** 1987 Mar;55(3):721–6

Carcinogenesis in F-344 rats induced by nitrosohydroxyalkyl-chloroethylureas. Lijinsky W, et al. **J Cancer Res Clin Oncol** 1986;112(3):221–8

Vacuolar degeneration of the cochlea in young rats. Braniš M, et al. **J Comp Pathol** 1987 Jan;97(1):91–4

Contribution of hypertensive rat models to medicine. Fifth International Symposium on Rats with Spontaneous Hypertension and Related Studies. 20–22 October 1985, Kyoto, Japan. Festschrift in honour of Dr. Kozo Okamoto. **J Hypertens [Suppl]** 1986 Oct;4(3):S1–541

Genetic rat models for hypertension: guidelines for breeding, care and use. Horan MJ, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S7–9

Spontaneous tumors in F344/DuCrj rats from 12 control groups of chronic and oncogenicity studies. Maita K, et al. **J Toxicol Sci** 1987 May;12(2):111–26

In utero morphological effects of hydroxyurea on the fetal development in Sprague-Dawley rats. Asano Y, et al. **Jikken Dobutsu** 1987 Apr;36(2):143–9

Inherited hydrocephalus in Csk: Wistar-Imamichi rats; Hyd strain: a new disease model for hydrocephalus. Koto M, et al. **Jikken Dobutsu** 1987 Apr;36(2):157–62

The spontaneously hypertensive rat (21). Proceedings of the XXI annual scientific meeting of the Society for the Spontaneously Hypertensive Rat (SHR). November 29–30, 1985, Osaka-fu. **Jpn Heart J** 1986 Jul;27(4):545–619

Inbred and mutant mice and rats available in Japan with unique contributions to cancer research. Kitamura Y, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1169–82 (87 ref.)

Internal hydrocephalus, optic nerve aplasia, and microphthalmia in CPB-WE (Wezob) and Cpb:WU (Wistar) rats. Van Eden CG, et al. **Lab Anim** 1986 Jul; 20(3):257–65

Posterior paralysis due to spontaneous oligodendroglioma in the spinal cord of a rat. Adams SW, et al. **Lab Anim Sci** 1987 Jun;37(3):345–7

Ultrastructure of proteinaceous bladder plugs in male rats. Lee KP. **Lab Anim Sci** 1986 Dec;36(6):671–7

Diagnostic exercise: intermandibular swelling in rats. Percy DH, et al. **Lab Anim Sci** 1986 Dec;36(6):665–6

Spontaneous renal pelvic tumor in an aged rat. Kawai Y, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):515–8

Differential diagnosis of hydronephrosis types I and II in rats by echography. Suzuki K, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):543–6

Effects of microwaves on three different strains of rats. Lu ST, et al. **Radiat Res** 1987 May;110(2):173–91

Toxic effects of nonadecafluoro-n-decanoic acid in rats. George ME, et al. **Toxicol Appl Pharmacol** 1986 Sep 15; 85(2):169–80

Spontaneous lipomatous tumors in the kidney of the Crl:CD(SD)BR rat. Gordon LR. **Toxicol Pathol** 1986; 14(2):175–82

Spontaneous renal lesions in five rat strains. Solleveld HA, et al. **Toxicol Pathol** 1986;14(2):168–74

Effect of diet or reproductive status on the histology of spontaneous pituitary tumors in female Wistar rats. Berry PH. **Vet Pathol** 1986 Sep;23(5):610–8

Segmental degeneration of the epididymis in aged F344 rats. Cardy RH. **Vet Pathol** 1987 Jul;24(4):361–3

Spontaneous basophilic hypertrophic foci of the parotid glands in rats and mice. Chiu T, et al. **Vet Pathol** 1986 Sep;23(5):606–9

Pathologic features of abdominal and thoracic paragangliomas in F344/N rats. Hall LB, et al. **Vet Pathol** 1987 Jul;24(4):315–22

Evaluation by scoring and computerized morphometry of lesions of early Mycoplasma pulmonis infection and ammonia exposure in F344/N rats [published erratum appears in Vet Pathol 1986 Nov;23(6):785] Pinson DM, et al. **Vet Pathol** 1986 Sep;23(5):550–5

[Model of myocardial infarct in rats for research on anti-infarct pharmacological preparations] Somova L, et al. **Eksp Med Morfol** 1987;26(1):50–5 (Eng. Abstr.) **(Bul)**

[Spontaneous tumors in the endocrine system of 2-year-old rats derived from the Wistar strain] Dušková J. **Cesk Patol** 1987 Mar;23(1):48–54 (Eng. Abstr.) **(Cze)**

[Spontaneous nephroblastomas in rats] Gialamas J, et al. **Z Versuchstierkd** 1987;29(1–2):65–9 (Eng. Abstr.) **(Ger)**

[Study on the optimum number of trials and intensity of unconditioned stimulants and strain difference in the two-way shuttle-box avoidance test using rats] Asano Y. **Jikken Dobutsu** 1987 Jan;36(1):27–32 (Eng. Abstr.) **(Jpn)**

[Pathological study on nephrocalcinosis in Fischer 344/Du Crj rats] Iwata H, et al. **Jikken Dobutsu** 1986 Jul; 35(3):299–305 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Cerebral collateral patterns in normal Wistar rats. Coyle P. **Acta Physiol Scand [Suppl]** 1986;552:5–8

Scanning electron microscopic determination of quantitative parameters of villi in the rat jejunum. Ono K, et al. **Anat Anz** 1987;163(3):277–80

Vertical ascending connections in the isocortex. Divac I, et al. **Anat Embryol (Berl)** 1987;175(4):443–55

Histochemical characterization of the lipid content in the macrophages of the cortico-medullary zone of the rat thymus. Milićević NM, et al. **Anat Histol Embryol** 1986 Dec;15(4):355–60

The influence of vasovasostomy on testicular alterations after vasectomy in Lewis rats. Flickinger CJ, et al. **Anat Rec** 1987 Feb;217(2):137–45

Afferent and efferent connections of the A5 noradrenergic cell group in the rat. Byrum CE, et al. **J Comp Neurol** 1987 Jul 22;261(4):529–42

Vasopressin cells in the medial amygdala of the rat project to the lateral septum and ventral hippocampus. Caffé AR, et al. **J Comp Neurol** 1987 Jul 8;261(2):237–52

Several morphological types of terminal arborizations of primary afferents in laminae I–II of the rat spinal cord, as shown after HRP labeling and Golgi impregnation. Cruz F, et al. **J Comp Neurol** 1987 Jul 8;261(2):221–36

Corneal sensory pathway in the rat: a horseradish peroxidase tracing study. Marfurt CF, et al. **J Comp Neurol** 1987 Jul 15;261(3):450–9

Pedunculopontine tegmental nucleus of the rat: cytoarchitecture, cytochemistry, and some extrapyramidal connections of the mesopontine tegmentum. Rye DB, et al. **J Comp Neurol** 1987 May 22;259(4):483–528

Topography and morphometry of capillaries in the rat subfornical organ. Sposito NM, et al. **J Comp Neurol** 1987 Jun 1;260(1):36–46

Organization of central adrenergic pathways: I. Relationships of ventrolateral medullary projections to the hypothalamus and spinal cord. Tucker DC, et al. **J Comp Neurol** 1987 May 22;259(4):591–603

Mapping study of serotoninergic input to diencephalic-projecting dorsal column neurons in the rat. Willcockson HH, et al. **J Comp Neurol** 1987 Jul 22; 261(4):467–80

Altered cerebral vessel innervation in spontaneously hypertensive and renal hypertensive rats. Lee TJ, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S201–3

Role of vascular structure in blood pressure development of the spontaneously hypertensive rat. Mulvany MJ. **J Hypertens [Suppl]** 1986 Oct;4(3):S61–3

Cardiac and renal hyperplasia in newborn genetically hypertensive rats. Pang SC, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S119–22

Morphological study on the relationship between the muscular architecture of the ventricles and cardiac hypertrophy in the M strain of stroke-prone spontaneously hypertensive rats. Suzuki T, et al. **J Hypertens [Suppl]** 1986

Oct;4(3):S115–8
A supernumerary forelimb in a Wistar rat. Borràs M. **Lab Anim** 1987 Jul;21(3):223–5
Age–bodyweight relationships to lung growth in the F344 rat as indexed by lung weight measurements. Tillery SI, et al. **Lab Anim** 1986 Jul;20(3):189–94
An electron microscopic study of retinal degeneration in Sprague–Dawley rats. Lin WL, et al. **Lab Anim Sci** 1987 Apr;37(2):180–6
Evidence for the existence of W3/13+ monocytes in the rat. Hedlund G, et al. **Scand J Immunol** 1986 Oct; 24(4):387–92
Focal eosinophilic hypertrophic cells of the rat pancreas. Chiu T. **Toxicol Pathol** 1987;15(1):1–6
[Nerve receptors in pulmonary vessels] Vega–Alvarez JA, et al. **Arch Anat Histol Embryol (Strasb)** 1985;68:62–4 (Eng. Abstr.) **(Fre)**
[Optical study of the sensitive hair (vibrissae) of the Wistar rat using imbedding in plastic resin and staining in paraffin with the usual technics] Ibañez P, et al. **Bull Assoc Anat (Nancy)** 1985 Dec;69(207):359–75 (Eng. Abstr.) **(Fre)**
[Studies of implantation traces in rats. III. Histological examination] Yamada T, et al. **Jikken Dobutsu** 1986 Jul; 35(3):249–62 (Eng. Abstr.) **(Jpn)**

BLOOD

Protein kinase C activity in platelets from spontaneously hypertensive rats (SHR) and normotensive Wistar Kyoto rats (WKY). Takaori K, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):769–73
Long-term effect of repeated short oxygen exposition on blood pressure development and erythrocyte sodium content in SHR and WKY. Gross V, et al. **Biomed Biochim Acta** 1986;45(10):K47–52
Effect of sampling site and collection method on variations in baseline clinical pathology parameters in Fischer–344 rats. II. Clinical hematology. Smith CN, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):658–63
Age–related changes in serum chemistry and hematology values in normal Sprague–Dawley rats. Wolford ST, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):80–8
Leukotrienes as mediators in frog virus 3–induced hepatitis in rats. Hagmann W, et al. **Hepatology** 1987 Jul–Aug; 7(4):732–6
Similarities of essential and spontaneous hypertension. Volume and number of blood cells. Bruschi G, et al. **Hypertension** 1986 Nov;8(11):983–9
Evidence for a difference in vitamin D metabolism between spontaneously hypertensive and Wistar–Kyoto rats. Kurtz TW, et al. **Hypertension** 1986 Nov;8(11):1015–20
Serum renotropic activity and renal growth in spontaneously hypertensive rats. Preuss HG, et al. **Kidney Int** 1983 Apr; 23(4):635–42
[Comparison of lymphocyte subpopulations in arterial and venous blood of the rat] Kumeda T, et al. **Jikken Dobutsu** 1987 Apr;36(2):109–16 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Kinins in cerebrospinal fluid: reduced concentration in spontaneously hypertensive rats. Hermann K, et al. **Experientia** 1986 Dec 1;42(11–12):1238–9

EMBRYOLOGY

Stereological analysis of synaptogenesis in the molecular layer of piriform cortex in the prenatal rat. Newman–Gage H, et al. **J Comp Neurol** 1987 Jul 8;261(2):295–305
Ultrastructural changes in the thyroid follicular cells following encephalectomy or hypophysectomy in fetal rats. Eguchi Y, et al. **Nippon Juigaku Zasshi** 1987 Jun; 49(3):419–26
[Experience in using cystamine for decreasing radiation disorders in Wistar rat embryogenesis] Palygat GF, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):815–9 (Eng. Abstr.) **(Rus)**

GENETICS

Renal lesions in a strain of spontaneously diabetic WBN/Kob rats. Ishizaki M, et al. **Acta Diabetol Lat** 1987 Jan–Mar; 24(1):27–35
Genealogical memory to perinatal iodine–131 exposure in rats: I. Alteration in natural immunity. Stevens RH, et al. **Anticancer Res** 1986 Sep–Oct;6(5):925–30
Han/Wistar rats are exceptionally resistant to TCDD. II. Pohjanvirta R, et al. **Arch Toxicol [Suppl]** 1987;11:344–7
Biochemical genetics of Es–14 (formerly Es–Si) and a new esterase variation, Es–15, of the laboratory rat (Rattus norvegicus): biochemistry, tissue expression, and linkage to Es–1 in linkage group V. Hedrich HJ, et al. **Biochem Genet** 1987 Feb;25(1–2):79–93
Genetic identification of rat liver carboxylesterases isolated in different laboratories. Mentlein R, et al. **Biochim Biophys Acta** 1987 May 27;913(1):27–38
Anemia of the Belgrade rat: evidence for defective membrane transport of iron. Bowen BJ, et al. **Blood** 1987 Jul; 70(1):38–44
Genetic analysis of blood pressure in the Milan hypertensive strain of rat (Rattus norvegicus). Schlager G, et al. **Can J Genet Cytol** 1986 Dec;28(6):967–70
Cardiac sensory receptors in Dahl salt–resistant and salt–sensitive rats. Mark AL, et al. **Circulation** 1987 Jan; 75(1 Pt 2):I137–40 (29 ref.)
Ontogeny of seizure incidence, latency, and severity in genetically epilepsy prone rats. Hjeresen DL, et al. **Dev Psychobiol** 1987 May;20(3):355–63
The BB rat. Mordes JP, et al. **Diabetes Metab Rev** 1987 Jul; 3(3):725–50 (131 ref.)
Rat calmodulin cDNA. Sherbany AA, et al. **DNA** 1987 Jun; 6(3):267–72
Absence of an inherited retinal degeneration in the WAG/Rij rat. LaVail MM, et al. **Exp Eye Res** 1987 Mar;44(3):465–9
Cloning and characterization of a rat–specific repetitive DNA sequence. Shore SK, et al. **Gene** 1986;45(1):87–93
Biological variability in Wistar–Kyoto rats. Implications for research with the spontaneously hypertensive rat. Kurtz TW, et al. **Hypertension** 1987 Jul;10(1):127–31
Use and misuse of control strains for genetically hypertensive rats. Rapp JP. **Hypertension** 1987 Jul;10(1):7–10
The rat alpha–fetoprotein and albumin genes. Transcriptional control and comparison of the sequence organization and promoter region. Nahon JL, et al. **J Biol Chem** 1987 Sep 15;262(26):12479–87
A renal abnormality in the Milan hypertensive strain of rats and in humans predisposed to essential hypertension. Bianchi G, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S33–6
The structural cardiovascular factor in primary hypertension--pressure dependence and genetic reinforcement. Folkow B. **J Hypertens [Suppl]** 1986 Oct; 4(3):S51–6
Is the spontaneously hypertensive rat a model for human hypertension? Frohlich ED. **J Hypertens [Suppl]** 1986 Oct; 4(3):S15–9
Comparison of various genetic hypertensive rat strains. Horie R, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S11–4
Dahl salt–sensitive rats and human essential hypertension. Iwai J, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S29–31
Spontaneous hypertension in the fawn–hooded rat: a cardiovascular disease model. Kuijpers MH, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S41–4
The importance of rat models in hypertension research. Lovenberg W. **J Hypertens [Suppl]** 1986 Oct;4(3):S3–6
Establishment and use of the M strain of stroke–prone spontaneously hypertensive rat. Okamoto K, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S21–4
Polyploidization of aortic smooth muscle cells from hypertensive and genetically related normotensive rats. Rosen EM, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S109–11
The congenic normal R/APfd and jaundiced R/APfd–j/j rat strains: a new animal model of hereditary non–haemolytic unconjugated hyperbilirubinaemia due to defective bilirubin conjugation. Leyten R, et al. **Lab Anim** 1986 Oct;20(4):335–42
Transfer of the heritable nonhemolytic jaundice trait from the Gunn rat to the Sprague–Dawley rat. Davis DR, et al. **Lab Anim Sci** 1987 Apr;37(2):172–5
Survey of genetic authenticity of commercially produced inbred rats. Kendall C, et al. **Lab Anim Sci** 1986 Dec; 36(6):655–8
Activated K–ras and N–ras oncogenes in primary renal mesenchymal tumors induced in F344 rats by methyl(methoxymethyl)nitrosamine. Sukumar S, et al. **Mol Cell Biol** 1986 Jul;6(7):2716–20
cDNA and deduced amino acid sequence of rat copper–zinc–containing superoxide dismutase. Ho YS, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6746

GROWTH & DEVELOPMENT

The efficiency of growth during body weight recovery in young adult female rats. Williams VJ, et al. **Comp Biochem Physiol [A]** 1987;87(3):547–9
Brain corticotropin releasing factor in the spontaneously hypertensive rat. Hattori T, et al. **Hypertension** 1986 Nov; 8(11):1027–31
Body weight of the spontaneously hypertensive rat during the suckling and weanling periods. Gattone VH 2d. **Jpn Heart J** 1986 Nov;27(6):881–4
Observation on the development of osteochondrosis in young rats. Kato M, et al. **Lab Anim** 1986 Jul;20(3):249–56
Growth rate of male germfree Wistar rats fed ad libitum or restricted natural ingredient diet. Snyder DL, et al. **Lab Anim Sci** 1987 Jun;37(3):320–5
Proliferation of thyrotropin releasing hormone receptors in specific brain regions during the development of hypertension in spontaneously hypertensive rats. Bhargava HN, et al. **Peptides** 1987 Mar–Apr;8(2):231–5
[Effects of castration on the development of the juxtaglomerular apparatus in the albino rat during growth] Salesses A, et al. **Arch Anat Histol Embryol (Strasb)** 1985; 68:61–8 (Eng. Abstr.) **(Fre)**
[Development of kidney morphology and protein excretion in MWF/Ztm rats] Rittinghausen S, et al. **DTW** 1987 Feb 9;94(2):55–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The effect of methimazole on the development of spontaneous lymphocytic thyroiditis in the diabetes–prone BB/W rat. Allen EM, et al. **Am J Med Sci** 1986 Nov; 292(5):267–71
Anti–idiotypic immunity in autoimmunity. Bigazzi PE. **Ann NY Acad Sci** 1986;475:66–80 (39 ref.)
Immune sensitization to syngeneic organ–specific intestinal antigens in the Lewis rat. Haviland AE, et al. **Cell Immunol** 1986 Jul;100(2):541–54
Is there a humoral autoimmune response to retinal antigens in the RCS rat? Reid DM, et al. **Curr Eye Res** 1987 Apr; 6(4):561–8
Curing BB rats of freshly manifested diabetes by short–term treatment with a combination of a monoclonal anti–interleukin 2 receptor antibody and a subtherapeutic dose of cyclosporin A. Hahn HJ, et al. **Eur J Immunol** 1987 Jul;17(7):1075–8
HgCl2 induces nonspecific immunosuppression in Lewis rats. Pelletier L, et al. **Eur J Immunol** 1987 Jan;17(1):49–54
Synthesis and cell surface display of class II determinants by long–term propagated rat T line cells. Reske K, et al. **Eur J Immunol** 1987 Jul;17(7):909–14
Water–soluble form of RT1.A class I MHC molecules in the kidney and liver of the rat. Spencer SC, et al. **Immunogenetics** 1987;25(2):91–8
Characterization of the Ia antigens involved in suppressor T cell generation in the rat. Uhteg LC, et al. **Immunogenetics** 1987;26(3):138–42
Serum antibody and cellular responses in LEW and F344 rats after immunization with Mycoplasma pulmonis antigens. Simecka JW, et al. **Infect Immun** 1987 Mar; 55(3):731–5
Immunogenicity and tolerogenicity of a major house dust mite allergen, Der p I from Dermatophagoides pteronyssinus, in mice and rats. Stewart GA, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):44–51
Aging and lymphocyte cytoskeleton: age–related decline in the state of actin polymerization in T lymphocytes from Fischer F344 rats. Cheung HT, et al. **J Immunol** 1987 Jan 1;138(1):32–6
Homing of antigen–specific T cells in the Lewis rat. I. Accumulation of antigen–reactive cells in the perithymic lymph nodes. Klinkert WE. **J Immunol** 1987 Aug 15; 139(4):1030–6
Induction of experimental allergic neuritis in the BN rat: P2 protein–specific T cells overcome resistance to actively induced disease. Linington C, et al. **J Immunol** 1986 Dec 15;137(12):3826–31
BioBreeding/Worcester (BB/Wor) rats are deficient in the generation of functional cytotoxic T cells. Woda BA, et al. **J Immunol** 1987 Sep 1;139(5):1514–7
Heteroclitic antibodies in Fischer 344 rats to a synthetic encephalitogenic myelin basic protein peptide. Day ED, et al. **J Neuroimmunol** 1986 Nov;13(1):61–73
Dimeric M315 is transported into mouse and rat milk in a degraded form. Koertge TE, et al. **Mol Immunol** 1986 Aug; 23(8):839–45
Characterization of xenogeneic mouse–to–rat bone marrow chimeras. I. Examination of hematologic and immunologic function. Wade AC, et al. **Transplantation** 1987 Jul; 44(1):88–92
[Effect of alloxan diabetes and exogenous insulin on the immune response of Wistar rats] Dimitrov V, et al. **Eksp Med Morfol** 1986;25(4):6–10 (Eng. Abstr.) **(Bul)**

METABOLISM

A decline in myocardial and hepatic norepinephrine turnover with age in Fischer 344 rats. Mazzeo RS, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):E762–4
Metabolism of fluoroacetate in the skink (Tiliqua rugosa) and the rat (Rattus norvegicus). Twigg LE, et al. **Aust J Biol Sci** 1986;39(1):1–15
Altered vitamin D metabolism in the kidney of the spontaneously hypertensive rat. Kawashima H. **Biochem J** 1986 Aug 1;237(3):893–7
1,2–Dimethylhydrazine–induced alterations in colonic plasma membrane fluidity: restriction to the luminal region. Brasitus TA, et al. **Biochim Biophys Acta** 1987 Jan 26; 896(2):311–7
Myosin isoenzymes of vascular smooth and cardiac muscle in the spontaneously hypertensive and normotensive male and female rat: a comparative study. Morano I, et al. **Circ Res** 1986 Oct;59(4):456–62
Decreased Na+K+ATPase activity in the aortic endothelium and smooth muscle of the spontaneously hypertensive rats. Manjeet S, et al. **Clin Exp Hypertens [A]** 1987;9(4):797–812
Comparative studies of the responses of two strains of rats to an essential fatty acid deficient diet. Berdanier CD, et al. **Comp Biochem Physiol [A]** 1986;85(4):725–7
Comparative studies on mitochondrial respiration in four strains of rats (Rattus norvegicus). Berdanier CD, et al. **Comp Biochem Physiol [B]** 1986;85(3):531–5
Tissue distribution of acebutolol in mature normotensive and stroke–prone spontaneously hypertensive rats. Midol–Monnet M, et al. **Comp Biochem Physiol [C]** 1987; 87(1):83–6
The effects of diet on the toxicity of nitroaromatic chemicals in rodents. Rickert DE, et al. **Dev Toxicol Environ Sci** 1986; 12:107–14
Aldose reductase in the BB rat: isolation, immunological identification and localization in the retina and peripheral nerve. Chakrabarti S, et al. **Diabetologia** 1987 Apr; 30(4):244–51
The onset of liver glycogen synthesis in fasted–refed lean and genetically obese (fa/fa) rats. van de Werve G, et al. **Diabetologia** 1987 Mar;30(3):169–74

An analysis of the interrelationship of nuclear and plasma triiodothyronine in the sea lamprey, lake trout, and rat: evolutionary considerations. Weirich RT, et al. **Endocrinology** 1987 Feb;120(2):664–77

Carcinogenicity study of sodium hypochlorite in F344 rats. Hasegawa R, et al. **Food Chem Toxicol** 1986 Dec; 24(12):1295–302

Neuropeptide Y–immunoreactive perikarya and nerve terminals in the rat medulla oblongata: relationship to cytoarchitecture and catecholaminergic cell groups. Härfstrand A, et al. **J Comp Neurol** 1987 Jun 1;260(1):20–35

Organization of galanin–immunoreactive inputs to the paraventricular nucleus with special reference to their relationship to catecholaminergic afferents. Levin MC, et al. **J Comp Neurol** 1987 Jul 22;261(4):562–82

GABA immunoreactive neurons in rat visual cortex. Meinecke DL, et al. **J Comp Neurol** 1987 Jul 15; 261(3):388–404

Immunocytochemical distribution of met–enkephalin–Arg6–Gly7–Leu8 in the rat lower brainstem. Murakami S, et al. **J Comp Neurol** 1987 Jul 8; 261(2):193–208

Structural and functional alterations of the cell membrane in the prehypertensive rat of the Okamoto Aoki strain. David–Dufilho M, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S263–5

Blood pressure development and serum calcium in suckling spontaneously hypertensive rat pups: effects of maternal dietary calcium. Hatton DC, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S465–7

Altered vitamin D metabolism in the spontaneously hypertensive rat. Kawashima H, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S287–9

Responses of plasma atrial natriuretic polypeptide to isotonic volume expansion in conscious spontaneously hypertensive and chronically guanethidine–treated rats. Kihara M, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S321–4

Phorbol ester receptors in cardiac myocytes of salt–sensitive and salt–resistant Dahl rats. Limas CJ, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S145–7

Increased tissue level of atrial natriuretic polypeptide in the hypothalamus and septum of spontaneously hypertensive rats. Morii N, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S309–12

A reduction of central peptidergic responses in the spontaneously hypertensive rat. Morris M, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S177–8

Antihypertensive action and inhibition of tissue converting enzyme (CE) by three prodrug CE inhibitors, enalapril, ramipril and perindopril in stroke–prone spontaneously hypertensive rats. Moursi MG, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S495–8

Increased non–collagen protein synthesis in the posterior cerebral artery in spontaneously hypertensive rats. Nakada T, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S93–5

Atrial natriuretic peptide (6–33) binding sites: decreased number and affinity in the subfornical organ of spontaneously hypertensive rats. Saavedra JM. **J Hypertens [Suppl]** 1986 Oct;4(3):S313–6

Cardiovascular hypertrophy in spontaneously hypertensive rats. Sen S, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S123–6

Electrolytes and spontaneous genetic hypertension in rats. Simpson FO, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S235–40 (85 ref.)

Atrial natriuretic factor in inbred Dahl salt–sensitive and salt–resistant rats. Snajdar RM, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S343–7

Atrial natriuretic factor in spontaneously hypertensive rats: concentration changes with the progression of hypertension and elevated formation of cyclic GMP. Takayanagi R, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S303–7

Effects of alpha–human atrial natriuretic peptides on neurosecretion and vascular responsiveness in spontaneously hypertensive rats. Tsuda K, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S331–3

Dietary prevention of stroke and its mechanisms in stroke–prone spontaneously hypertensive rats--preventive effect of dietary fibre and palmitoleic acid. Yamori Y, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S449–52

Reduction in the activity of the stimulatory guanine nucleotide–binding protein in the myocardium of spontaneously hypertensive rats. Murakami T, et al. **J Mol Cell Cardiol** 1987 Feb;19(2):199–208

The metabolism of [18F]6–fluoro–L–3,4–dihydroxyphenylalanine in the hooded rat. Cumming P, et al. **J Neurochem** 1987 Feb; 48(2):601–8

Influence of plane of nutrition on body composition, organ size and energy utilization of Sprague–Dawley rats. Ferrell CL, et al. **J Nutr** 1986 Dec;116(12):2525–35

Release of endogenous NE from the mesenteric vasculature of WKY and SHR in response to PNS. Yamamoto R, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):826–32

Induction of ornithine decarboxylase activity in hairless rat epidermis as a pharmacological model: validation of the animal model. Bouclier M, et al. **Lab Anim** 1987 Jul; 21(3):233–40

Selective proliferation of brain kappa opiate receptors in spontaneously hypertensive rats. Bhargava HN, et al. **Life Sci** 1986 Dec 29;39(26):2593–600

A physico–chemical comparison of aortic receptors in rat hypertension models. Meyer WJ 3d, et al. **Life Sci** 1986 Oct 6;39(14):1231–6

Differential changes in atrial natriuretic peptide and vasopressin receptor bindings in kidney of spontaneously hypertensive rat. Ogura T, et al. **Life Sci** 1987 Jan 19; 40(3):233–8

Comparison of S9 fractions from rats, mice, and Chinese hamsters to metabolize dimethylnitrosamine and diethylnitrosamine to intermediates that induce sister–chromatid exchanges in V79 cells. Sirianni SR, et al. **Mutat Res** 1987 May;188(1):7–11

The relationship between glucagon receptors and metabolic profile in two strains of rats: Wistar–Furth and Sprague–Dawley. Dunbar JC, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):320–5

Body fluids and plasma atrial peptide after its chronic infusion in hypertensive rats. Garcia R, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):352–8

Effects of variable linoleate intake on aortic PGI2–like activity and fatty acid composition: difference between rat and marmoset (Callithrix jacchus). Abeywardena MY, et al. **Prostaglandins Leukotrienes Med** 1986 Dec; 25(2–3):209–21

Myocardial adaptations to dietary sucrose in spontaneously hypertensive rats. Crandall DL, et al. **Res Commun Chem Pathol Pharmacol** 1986 Aug; 53(2):237–40

Ozone uptake in awake Sprague–Dawley rats. Wiester MJ, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):429–37

Effects of drug–metabolizing enzyme inducers on cephaloridine toxicity in Fischer 344 rats. Kuo CH, et al. **Toxicology** 1982;24(3–4):293–303

[Lipid composition of plasma and tissue lipoproteins in spontaneously hypertensive rats (SHR) on normal feeding] Dakovska L, et al. **Eksp Med Morfol** 1987;26(1):1–6 (Eng. Abstr.) **(Bul)**

[Lipid composition of plasma and tissue lipoproteins in spontaneously hypertensive rats (SHR) on a cholesterol diet] Orbetsova V, et al. **Eksp Med Morfol** 1987;26(1):6–12 (Eng. Abstr.) **(Bul)**

[Dependence of energy maintenance requirements on nutrients in rats. 3. Effect of the protein levels of food on the energy maintenance requirements of growing rats] Klein M, et al. **Arch Tierernahr** 1986 Dec;36(12):1065–75 (Eng. Abstr.) **(Ger)**

[Metabolism of C14–labelled urea in conventional, germ–free and specifically associated rats] Juhr NC, et al. **Z Versuchstierkd** 1987;29(3–4):157–64 (Eng. Abstr.) **(Ger)**

[Distribution of oxygen tension in the brain of spontaneously hypertensive rats] Aleksandrova TB, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):15–7 (Eng. Abstr.) **(Rus)**

[Free calcium concentrations in the nerve endings in the brain of rats with spontaneous hypertension] Orlov SN, et al. **Biull Eksp Biol Med** 1987 May;103(5):538–40 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Investigations of the pathogenicity of Salmonella enteritidis serotype Amsterdam following a naturally occurring infection in rats. Seps SL, et al. **Lab Anim Sci** 1987 Jun; 37(3):326–30

PHYSIOLOGY

Behavioral and psychophysiological characteristics of the spontaneously hypertensive rat. Knardahl S. **Acta Med Scand [Suppl]** 1986;714:139–45

Uteroplacental blood flow in the hypertensive, term pregnant, spontaneously hypertensive rat. Ahokas RA, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):1010–5

The effect of carbohydrate overfeeding on blood pressure in the pregnant, spontaneously hypertensive rat. Ahokas RA, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1113–8

Diabetes mellitus in the BB/W rat. Insulitis in pancreatic islet grafts after transplantation in diabetic recipients. Weringer EJ, et al. **Am J Pathol** 1986 Oct;125(1):107–12

Sympathetic function in spontaneously hypertensive rats after chronic administration of captopril. Berecek KH, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H796–806

Analysis of BP response and Ca2+ metabolism using the saturation kinetics model. Karanja N, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R501–8

Venule distension properties in Wistar, Wistar–Kyoto, and spontaneously hypertensive rats. Lang DJ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):H714–20

Attenuated sodium appetite in response to sodium deficiency in Fischer–344 rats. Midkiff EE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R562–6

Acute renal denervation produces a diuresis and natriuresis in young SHR but not WKY rats. Rudd MA, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):F655–61

Tunica media changes in the spontaneously hypertensive rat (SHR). Hadjiisky P, et al. **Atherosclerosis** 1987 May; 65(1–2):125–37

Selective elevation of c–myc transcript levels in the liver of the aging Fischer–344 rat. Matocha MF, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):1–7

Is presynaptic modulation of norepinephrine release altered in the mesenteric vasculature of adult spontaneously hypertensive rats? Cline WH Jr, et al. **Blood Vessels** 1987; 24(3):100–3

Timm staining of hippocampal nerve cell bodies in the Kyoto rat. A cell marker in allo– and xenografting of rat and mouse brain tissue, revealing neuronal migration. Finsen B, et al. **Brain Res** 1986 Sep;394(1):51–9

Evidence that the cultured multipolar neurons of the lower brainstem of SHR and WKY rats differ significantly in the mode of responses to catecholamines. Miura M, et al. **Brain Res** 1986 Dec 10;399(2):352–6

A comparison of the febrile responses of the Brattleboro and Sprague–Dawley strains of rats to endotoxin and endogenous pyrogens. Stitt JT, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1377–81

Early spontaneous deficiency of calcitonin renal binding sites in rats with a high incidence of calcitonin–secreting tumors (WAG/Rij). Bouizar Z, et al. **Cancer Res** 1987 Jul 1; 47(13):3595–8

Age–related changes of natural antitumor resistance in spontaneously hypertensive rats with T–cell depression. Matsuoka T, et al. **Cancer Res** 1987 Jul 1;47(13):3410–3

Antihypertensive drug therapy prevents cerebral microvascular abnormalities in hypertensive rats. Harper SL. **Circ Res** 1987 Feb;60(2):229–37

The effects of nifedipine on regional vascular resistance and blood flow in the spontaneously hypertensive rat. Reed BV, et al. **Clin Exp Hypertens [A]** 1986;8(6):963–79

Different growth rates of swarm chondrosarcoma in Lewis and Wistar rats correlate with different thyroid hormone levels. Mason RM, et al. **Connect Tissue Res** 1987; 16(2):177–85

Autonomic neuropathy in BB rat. Assessment by improved method for measuring heart–rate variability. McEwen TA, et al. **Diabetes** 1987 Mar;36(3):251–5

Differential effects of aging on adrenocorticotropin receptors, adenosine 3'5'–monophosphate response, and corticosterone secretion in adrenocortical cells from Sprague–Dawley rats. Popplewell PY, et al. **Endocrinology** 1986 Nov;119(5):2206–13

Partial characterization of atrial natriuretic factor in the hearts of Dahl salt–sensitive and salt–resistant rats. Snajdar RM, et al. **Endocrinology** 1987 Jun;120(6):2512–20

Interaction between hypersomatotropism and age in the Wistar–Furth rat. Turner JD, et al. **Growth** 1986 Autumn; 50(3):402–17

Enhanced cerebral vascular regulation occurs by age 4 to 5 weeks in spontaneously hypertensive rats. Bohlen HG. **Hypertension** 1987 Apr;9(4):325–31

Salt level in weaning diet affects saline preference and fluid intake in Dahl rats. Ferrell F, et al. **Hypertension** 1986 Nov; 8(11):1021–6

Potassium depletion ameliorates hypertension in spontaneously hypertensive rats. Linas SL, et al. **Hypertension** 1986 Nov;8(11):990–6

Thromboxane synthesis and blood pressure in spontaneously hypertensive rats. Purkerson ML, et al. **Hypertension** 1986 Dec;8(12):1113–20

Altered pressure–natriuresis relationship in young spontaneously hypertensive rats. Roman RJ. **Hypertension** 1987 Jun;9(6 Pt 2):III130–6

Enhanced vascular reactivity to protein kinase C activators in genetically hypertensive rats. Turla MB, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III150–4

Exacerbation of hypertension by high chloride, moderate sodium diet in the salt–sensitive spontaneously hypertensive rat. Wyss JM, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III171–5

Cardiovascular responses to acute stress in young–to–old spontaneously hypertensive rats. Yamamoto J, et al. **Hypertension** 1987 Apr;9(4):362–70

Effect of growth hormone–secreting tumors on body composition and feed intake in young female Wistar–Furth rats. McCusker RH, et al. **J Anim Sci** 1986 Oct; 63(4):1126–33

Methacholine–induced airway reactivity of inbred rats. Wang CG, et al. **J Appl Physiol** 1986 Dec;61(6):2180–5

Increased electrotonic coupling in aged rat hippocampus: a possible mechanism for cellular excitability changes. Barnes CA, et al. **J Comp Neurol** 1987 May 22;259(4):549–58

Inhibition of post–partum maternal behaviour in the rat by injecting an oxytocin antagonist into the cerebral ventricles. van Leengoed E, et al. **J Endocrinol** 1987 Feb;112(2):275–82

Spontaneous tumors of 2000 Wistar TNO/W.70 rats in two–year carcinogenicity studies. Bomhard E, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec;7(1–2):35–52

Umbilical blood pressures and utero–placental blood flow in spontaneously hypertensive rats. Azar S, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S369–71

Alpha 1–adrenoceptor–mediated responses in the vascular smooth muscle of spontaneously hypertensive rats. Bhalla RC, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S65–7

Reduction of blood pressure and restoration of T–cell immune function in spontaneously hypertensive rats by food restriction and/or by treadmill exercise. Fernandes G, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S469–74

Influence of beta–aminopropionitril on media hypertrophy and baroreceptor reflex in normotensive and hypertensive rats. Fischer M, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S527–31

Structural and functional adaptations within the myocardium and coronary vessels after antihypertensive therapy in spontaneously hypertensive rats. Friberg P, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S519–21

Effect of swim training on systolic blood pressure,

vasopressin and total neurophysins in the Lyon hypertensive rat. Ghaemmaghami F, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S475–8

Renal haemodynamics and total body sodium in immature spontaneously hypertensive and Wistar–Kyoto rats. Harrap SB, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S249–52

Renal haemodynamics in spontaneously hypertensive rats with superficial glomeruli. Higa EM, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S379–81

The response of plasma catecholamines to the vasodepression caused by beta-adrenoceptor antagonists in the spontaneously hypertensive rat. Keeton TK. **J Hypertens [Suppl]** 1986 Oct;4(3):S197–9

Chronic effect of a synthetic atrial natriuretic factor on the development of hypertension in young spontaneously hypertensive rats. Kohzuki M, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S487–9

Hypotensive effects of eicosapentaenoic acid (EPA) and its influence on eicosanoid metabolism in spontaneously hypertensive rats. Lam BK, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S453–5

Sympathetic nervous system development in hypertensive rats. McCarty R. **J Hypertens [Suppl]** 1986 Oct;4(3):S155–7

Peripheral neural mechanism of hypertension in rat models—peripheral sympathetic neurotransmission in hypertension. Masuyama Y, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S189–92

Arachidonic acid–induced brain ischaemia: different severity between stroke-resistant spontaneously hypertensive rats and Wistar–Kyoto rats. Memezawa H, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S421–4

Immunological dysfunction and enhanced sympathetic activity contribute to the pathogenesis of spontaneous hypertension. Norman RA Jr, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S437–9

Effect of antihypertensive treatment on myogenic properties of brain arteries from the stroke-prone rat. Osol G, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S517–8

Effects of 6-iodo-amiloride, a sodium channel blocker, on cardiovascular parameters in spontaneously hypertensive and Wistar–Kyoto rats. Pamnani MB, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S491–3

On the role of atrial natriuretic peptide in cardiovascular regulation in the spontaneously hypertensive rat. Pettersson A, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S339–42

Refined carbohydrates affect blood pressure and retinal vasculature in spontaneously hypertensive and Wistar–Kyoto rats. Preuss HG, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S459–62

Systemic and regional pre- and post-junctional sympathoinhibitory effect of perindopril in spontaneously hypertensive rats. Richer C, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S513–6

Central GABA-ergic stimulation attenuates hypertension and hypothalamic hyperactivity in spontaneously hypertensive rats. Sasaki S, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S171–4

Alterations of presynaptic and endothelial functions in SHR: effects of adenosine. Su C, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S69–71

Characteristics of open field behavior of Wistar and Sprague–Dawley rats. Asano Y. **Jikken Dobutsu** 1986 Oct; 35(4):505–8

Copulatory behavior of male rats paired with natural proestrous and hormone-treated ovariectomized females. Saito TR. **Jikken Dobutsu** 1987 Jan;36(1):91–3

Blood pressure and sympathetic nervous function in spontaneously hypertensive rats derived from breeders on low sodium diet. Fukiyama K, et al. **Jpn Circ J** 1986 Nov; 50(11):1170–3

Hypotension and hypothalamic depression produced by intracerebroventricular injections of GABA in spontaneously hypertensive rats. Sasaki S, et al. **Jpn Circ J** 1986 Nov;50(11):1140–8

Presynaptic alpha 2-adrenoceptor mediated regulation of norepinephrine release in perfused mesenteric vasculatures in young and adult spontaneously hypertensive rats. Tsuda K, et al. **Jpn Circ J** 1987 Jan;51(1):25–32

Regional distribution of sympathetic vasoconstrictor tone in conscious spontaneously hypertensive rats. Iriuchijima J. **Jpn J Physiol** 1986;36(6):1101–11

Difference in the mode of acute cold-induced hypothermia between rat and hamster. Uchida K, et al. **Jpn J Physiol** 1987;37(2):207–22

Response of spontaneously hypertensive rats to 1,25(OH)2D3 in vivo. Gafter U, et al. **Kidney Int** 1986 Oct;30(4):497–502

Age-related increased susceptibility of male Fischer 344 rats to acetaminophen nephrotoxicity. Beierschmitt WP, et al. **Life Sci** 1986 Dec 15;39(24):2335–42

Decreased ANF atrial content and vascular reactivity to ANF in spontaneous and renal hypertensive rats. de León H, et al. **Life Sci** 1987 Jul 20;41(3):341–8

Analysis of survival data on aging rat cohorts: pitfalls and some practical considerations. Mos J, et al. **Mech Ageing Dev** 1987 Mar;38(1):89–105

Aging in the AXC/SSh rat: characterization of moderately abundant ventral prostate proteins showing age-dependent diminution and one protein exhibiting age-invariant content. Shain SA, et al. **Mech Ageing Dev** 1986 Dec; 37(2):147–62

Effects of parathyroidectomy on blood pressure in spontaneously hypertensive rats. Mann JF, et al. **Nephron** 1987;45(1):46–52

Effects of postweaning administration of delta-9-tetrahydrocannabinol (THC) on adult behavioral and neuroendocrine function in Sprague–Dawley and Fischer-344 rats. Mokler DJ, et al. **Neurobehav Toxicol Teratol** 1986 Jul–Aug;8(4):407–13

Grooming behavior of spontaneously hypertensive rats. van den Buuse M, et al. **Neurosci Lett** 1987 Jun 1;77(1):71–5

Influence of a high calcium diet on the development of hypertension in the spontaneously hypertensive rat. Tamura H. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):367–73

Spontaneously hypertensive rats exhibit supersensitivity to the hypertensive and hyperthermic effects of thyrotropin releasing hormone. Bansinath M, et al. **Peptides** 1987 Mar–Apr;8(2):227–30

Han/Wistar rats are exceptionally resistant to TCDD. I. Pohjanvirta R, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):145–50

A quantitative study of normal locomotion in the rat. Clarke KA, et al. **Physiol Behav** 1986;38(3):345–51

Differences in spontaneous and amphetamine-induced rotational behavior, and in sensitization to amphetamine, among Sprague–Dawley derived rats from different sources. Glick SD, et al. **Physiol Behav** 1986;38(1):67–70

Performance of papillary muscles from the aging spontaneously hypertensive rat: temporal changes in isometric contraction parameters. Cohen ME, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):318–24

Effect of indapamide on atrial natriuretic polypeptide receptor in spontaneously hypertensive rat kidney. Ogura T, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):291–8

The effects of 19-nor-aldosterone on blood pressure of adrenalectomized spontaneously hypertensive rats. Morris DJ, et al. **Steroids** 1985 Dec;46(6):1003–10

Age-related variations in renal structure and function in Sprague–Dawley rats. Owen RA, et al. **Toxicol Pathol** 1986;14(2):158–67

Influence of strain specific patterns of locomotor activity on the daily pattern, minimal, mean and maximal oxygen consumption in the rat. Büttner D. **Z Versuchstierkd** 1987; 29(3–4):121–8

[Dominance structures of male laboratory rats] Lundberg U. **Z Versuchstierkd** 1986;28(6):257–68 (Eng. Abstr.) **(Ger)**

[The development of water maze–learning ability in rats. (2) Effect of pretraining with the water-filled straight channel] Hasegawa N, et al. **Jikken Dobutsu** 1987 Apr;36(2):163–8 (Eng. Abstr.) **(Jpn)**

[Influence of body weight and population density on the number of ova shed in the superovulation-treated adult rat] Kagabu S. **Jikken Dobutsu** 1986 Jul;35(3):275–7 (Eng. Abstr.) **(Jpn)**

[Effect of a low-frequency magnetic field on systemic arterial pressure in spontaneously hypertensive rats] Buiavykh AG, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):28–30 (Eng. Abstr.) **(Rus)**

[Prenatal hydrocortisone modification of the adrenocortical function of adult rats with hereditary arterial hypertension] Dygalo NN, et al. **Biull Eksp Biol Med** 1987 Mar; 103(3):287–9 (Eng. Abstr.) **(Rus)**

[Type of behavior and superoxide dismutase activity in the brain of rats (a comparison of 2 Tryon strains)] Khonicheva NM, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):643–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the central adrenergic mechanisms regulating arterial pressure in rats with hereditary arterial hypertension] Markel' AL, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):668–70 (Eng. Abstr.) **(Rus)**

[Effect of emotional stress on the contractility, adrenoreactivity and calcium sensitivity of smooth muscles of the portal vein in spontaneously hypertensive rats] Pinelis VG, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):151–4 (Eng. Abstr.) **(Rus)**

[Smooth muscle function of the portal vein in spontaneously hypertensive rats] Pinelis VG, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):284–6 (Eng. Abstr.) **(Rus)**

[Wall thickness of skeletal muscle microvessels and their reactivity to vasoconstrictor stimuli in normal rats and rats with spontaneous hypertension] Timkina MI, et al. **Biull Eksp Biol Med** 1987 May;103(5):529–32 (Eng. Abstr.) **(Rus)**

[Delayed development of hypertension and increased aortic relaxation in spontaneously hypertensive rats after neonatal sympathectomy] Vakulina TP, et al. **Biull Eksp Biol Med** 1987 May;103(5):526–9 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the metabolism of male Tryon rats (Tryon maze dull and Tryon maze bright) and the possibility of predicting their social status from biochemical indices] Zolotareva NN, et al. **Dokl Akad Nauk SSSR** 1987;292(3):751–5 **(Rus)**

SURGERY

Experiments with a biological material for the closure of incisional hernias. Walter M, et al. **Lab Anim** 1987 Jul; 21(3):195–200

URINE

Effect of diets containing dry beans (Phaseolus vulgaris, L.) on the rat excretion of endogenous nitrogen. Costa de Oliveira A, et al. **J Nutr** 1986 Dec;116(12):2387–92

[Decrease in urinary excretion of active kallikrein in conscious young and adult spontaneously hypertensive rats] Ader JL, et al. **J Physiol (Paris)** 1986;81(1):34–40 (Eng. Abstr.) **(Fre)**

RATS, INBRED WF see under **RATS, INBRED STRAINS**

RATS, INBRED WKY see under **RATS, INBRED STRAINS**

RATS, LABORATORY see **RATS**

RATS, MUTANT STRAINS

Immunohistochemical studies on the distribution of neuropeptides and serotonin in the suprachiasmatic nucleus of the Brattleboro rat. Kawata M, et al. **Arch Histol Jpn** 1987 Mar;50(1):1–14

The formation of "compartment replicas" in the lymph nodes of athymic animals. Sainte-Marie G, et al. **Cell Tissue Res** 1987 May;248(2):323–33

Inbred and mutant mice and rats available in Japan with unique contributions to cancer research. Kitamura Y, et al. **Jpn J Cancer Res** 1986 Dec;77(12):1169–82 (87 ref.)

ANATOMY & HISTOLOGY

Topography and morphometry of capillaries in the rat subfornical organ. Sposito NM, et al. **J Comp Neurol** 1987 Jun 1;260(1):36–46

GENETICS

Defective regulation of vasopressin gene expression in Brattleboro rats. Majzoub JA, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E637–42

Growth hormone secretion in genetic large (LL) and small (SS) rats. O'Sullivan D, et al. **Endocrinology** 1986 Nov; 119(5):1948–53

Epileptic seizures in rats homozygous for two mutations, zitter and tremor. Serikawa T, et al. **J Hered** 1986 Nov–Dec;77(6):441–4

Establishment and characteristics of three analbuminemic congenic strains of rats. Shumiya S, et al. **Jikken Dobutsu** 1986 Oct;35(4):409–16

Possible single dosage effects of the nude gene: suppression of spontaneous development of thymoma and nephropathy in BUF/Mna–rnu/+ rats. Matsuyama M, et al. **Jpn J Cancer Res** 1987 Jan;78(1):40–4

The congenic normal R/APfd and jaundiced R/APfd-j/j rat strains: a new animal model of hereditary non-haemolytic unconjugated hyperbilirubinaemia due to defective bilirubin conjugation. Leyten R, et al. **Lab Anim** 1986 Oct;20(4):335–42

Transfer of the heritable nonhemolytic jaundice trait from the Gunn rat to the Sprague–Dawley rat. Davis DR, et al. **Lab Anim Sci** 1987 Apr;37(2):172–5

Brattleboro rat hypothalamic neurons transcribe vasopressin gene: evidence from in situ hybridization. McCabe JT, et al. **Neuroendocrinology** 1986;44(3):361–4

[A recessive mutant causing testicular/ovarian teratoma in rats (Tera strain)] Miwa M, et al. **Jikken Dobutsu** 1987 Apr;36(2):205–8 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Cytotoxic activity of sera from diabetic BB rats against BB rat islet—a functional study. Ziegler B, et al. **Diabetes Res** 1987 Feb;4(2):67–72

The stable and permanent expansion of functional T lymphocytes in athymic nude rats after a single injection of mature T cells. Bell EB, et al. **J Immunol** 1987 Sep 1; 139(5):1379–84

Implantation of cultured thymic fragments in congenitally athymic nude rats: ignorance of thymic epithelial haplotype in generation of alloreactivity. Schuurman HJ, et al. **J Immunol** 1986 Oct 15;137(8):2440–7

BioBreeding/Worcester (BB/Wor) rats are deficient in the generation of functional cytotoxic T cells. Woda BA, et al. **J Immunol** 1987 Sep 1;139(5):1514–7

Acquired immunity to Trichophyton mentagrophytes in thymus-grafted or peritoneal exudate cell-injected nude rats. Green F 3d, et al. **J Invest Dermatol** 1987 Mar; 88(3):345–9

Immunological surveillance against DNA-virus-transformed cells: correlations between natural killer cell cytolytic competence and tumor susceptibility of athymic rodents. Cook JL, et al. **J Virol** 1987 Jul;61(7):2155–61

The localization of antigen in lymph node follicles of congenitally athymic nude rats. Mjaaland S, et al. **Scand J Immunol** 1987 Aug;26(2):141–7

Implantation of cultured thymic fragments in congenitally athymic (nude) rats. Influx of lymphocytes and dendritic cells. Schuurman HJ, et al. **Scand J Immunol** 1987 Aug; 26(2):129–39

[Infection of the athymic rat by Toxoplasma gondii] Santoro F, et al. **C R Acad Sci [III]** 1987;304(11):297–300 (Eng. Abstr.) **(Fre)**

METABOLISM

Insulin resistance is accompanied by impairment of amylase-gene expression in the exocrine pancreas of the obese Zucker rat. Trimble ER, et al. **Biochem J** 1986 Aug 1;237(3):807–12

Mono- and diacylglycerol lipases in spinal cord of lean and obese Zucker rats. Farooqui AA, et al. **Comp Biochem Physiol [B]** 1987;87(2):341-4

Mechanism of abnormal oral glucose tolerance of genetically obese fa/fa rats. Rohner-Jeanrenaud F, et al. **Diabetes** 1986 Dec;35(12):1350-5

Identification of a major defect in insulin-resistant tissues of genetically obese (fa/fa) rats. Impaired protein kinase C. van de Werve G, et al. **Diabetes** 1987 Mar;36(3):310-4

Isolation of multiple normal and functionally defective forms of uridine diphosphate-glucuronosyltransferase from inbred Gunn rats. Roy Chowdhury N, et al. **J Clin Invest** 1987 Feb;79(2):327-34

The hairless rat: a relevant animal model to predict in vivo percutaneous absorption in humans? Rougier A, et al. **J Invest Dermatol** 1987 May;88(5):577-81

Myelin-deficient rat: analysis of myelin proteins. Yanagisawa K, et al. **J Neurochem** 1986 Dec;47(6):1901-7

Metabolism at thermoneutrality and in the cold is reduced in the neonatal preobese Zucker fatty (fa/fa) rat. Berce PJ, et al. **J Nutr** 1986 Dec;116(12):2478-85

Circadian changes in serum and liver metabolites and liver lipogenic enzymes in ad libitum- and meal-fed, lean and obese Zucker rats. Lanza-Jacoby S, et al. **J Nutr** 1986 Sep; 116(9):1798-809

Effect of treadmill training on muscle oxidative capacity and accretion in young male obese and nonobese Zucker rats. Wardlaw GM, et al. **J Nutr** 1986 Sep;116(9):1841-52

Pancreatic amylase synthesis in obese Zucker rats. **Nutr Rev** 1987 Apr;45(4):119-20

Tissue somatostatin levels in three models of genetic obesity in rats. Voyles NR, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):49-54

PHYSIOLOGY

Hepatic microcirculation in Zucker fatty rats. Sato N, et al. **Adv Exp Med Biol** 1986;200:477-83

Deprivation of corticosterone does not prevent onset of obesity in Zucker fa/fa pups. Bazin R, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E461-6

Enhancement of cold-stimulated thermogenesis in the corpulent rat (LA/N cp) by aminophylline. Lee TF, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R737-42

Little oscillation of daily food intake in mousekiller rats as opposed to nonkiller rats before any confrontation with mice. Peder MW, et al. **Behav Neural Biol** 1985 May; 43(3):317-21

In vitro synthesis of apo-A-IV and apo-C by liver and intestinal mRNAs from lean and obese Zucker rats. Pessah M, et al. **Biochem Biophys Res Commun** 1987 Jan 15; 142(1):78-85

A comparison of the febrile responses of the Brattleboro and Sprague-Dawley strains of rats to endotoxin and endogenous pyrogens. Stitt JT, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1377-81

Impaired sympathetic baroreflexes in prehypertensive Dahl hypertension-sensitive rats. Miyajima E, et al. **Clin Exp Hypertens [A]** 1986;8(6):1049-61

Insulin binding and action in isolated cardiocytes from spontaneously diabetic BB rats. Eckel J, et al. **Diabetes Res** 1987 Feb;4(2):79-83

Spontaneous autoimmune thyroiditis in Bio Breeding/Worcester (BB/W) rat. Yanagisawa M, et al. **Endocrinol Jpn** 1986 Dec;33(6):851-61

Release of aldosterone and corticosterone from the adrenal cortex of the Brattleboro rat in response to administration of ACTH. Brudieux R, et al. **J Endocrinol** 1986 Dec; 111(3):375-81

Single nephron hyperfiltration and proteinuria in a newly selected rat strain with superficial glomeruli. Rovira-Halbach G, et al. **Renal Physiol** 1986;9(6):317-25

URINE

Sodium intake as a determinant of urinary prostaglandin excretion. Studies in the Brattleboro rat. Bernheim J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2-3):239-47

RATS, NORWAY see **RATS**

RATS, NUDE see under **RATS, MUTANT STRAINS**

RATS, SPRAGUE-DAWLEY see **RATS, INBRED STRAINS**

RATS, WISTAR see **RATS, INBRED STRAINS**

RATS, ZUCKER see under **RATS, MUTANT STRAINS**

RATTLESNAKE VENOMS see **CROTALID VENOMS**

RATTUS see **MURIDAE**

RATTUS NORVEGICUS see **RATS**

RAUSCHER VIRUS

The expression of differentiation antigens by Rauscher virus-induced erythroid, lymphoid and myeloid cell lines. Delwel HR, et al. **Leuk Res** 1987;11(1):25-30

ENZYMOLOGY

Inhibition of reverse transcriptase activity by 2',3'-dideoxythymidine 5'-triphosphate and its derivatives modified on the 3' position. Ono K, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):498-507

GENETICS

The molecular nature of multiple tumour-associated antigens expressed by a Rauscher-MuLV induced leukaemia. Rogers MJ, et al. **Cancer Surv** 1985;4(1):35-49

Nucleotide sequence of the Rauscher murine leukaemia virus long terminal repeat. van der Feltz MJ, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2785-90

Specific sequences of the env gene determine the host range of two XC-negative viruses of the Rauscher virus complex. Vogt M, et al. **Virology** 1986 Oct 30;154(2):420-4

[Molecular cloning of provirus sequences of Rauscher leukemia virus from mouse erythroleukemia cell genome] Neznanov NS, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr; (4):26-30 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Modulation of fibroblast hemopoietic regulatory activities by infection with cloned Rauscher helper leukemia virus. Brockbank KG, et al. **Leuk Res** 1987;11(7):597-601

RAUWOLFIA

ANALYSIS

Determination of reserpine and rescinnamine in Rauwolfia serpentina preparations by liquid chromatography with fluorescence detection. Cieri UR. **J Assoc Off Anal Chem** 1987 May-Jun;70(3):540-6

Radioimmunoassay for the quantitative determination of ajmaline. Arens H, et al. **Planta Med** 1987 Apr;53(2):179-83

ENZYMOLOGY

Characterization of 2 beta (R)-17-O-acetylajmalan: acetylesterase--a specific enzyme involved in the biosynthesis of the Rauwolfia alkaloid ajmaline. Polz L, et al. **Z Naturforsch [C]** 1987 Apr;42(4):333-42

RAUWOLFIA ALKALOIDS

ISOLATION & PURIFICATION

[Indole alkaloids from Rauwolfia of New Caledonia] Libot F, et al. **Ann Pharm Fr** 1986;44(6):477-85 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[Effects of verticillatine on cardiac hemodynamics in anesthetized dogs and cats] Zeng GY, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):881-5 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

[Hypotensive effect of verticillatine] Zeng GY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec; 14(6):350-3, 381 **(Chi)**

RAUWOLSCINE see **YOHIMBINE**

RAYNAUD'S DISEASE

Raynaud phenomenon. Campbell PM, et al. **Semin Arthritis Rheum** 1986 Nov;16(2):92-103 (46 ref.)

BLOOD

Abnormal biochemical and cellular parameters in the blood of patients with Raynauds phenomenon. Belch JJ, et al. **Scott Med J** 1987 Feb;32(1):12-4

[Plasma beta-thromboglobulin and platelet aggregation in vibration syndromes] Kanamori M, et al. **Sangyo Igaku** 1987 Jan;29(1):70-1 **(Jpn)**

CHEMICALLY INDUCED

Genetic susceptibility to scleroderma-like syndrome in symptomatic and asymptomatic workers exposed to vinyl chloride. Black C, et al. **J Rheumatol** 1986 Dec; 13(6):1059-62

Cyclosporin and Raynaud phenomenon [letter] Deray G, et al. **Lancet** 1986 Nov 8;2(8515):1092-3

[Raynaud syndrome and changes in lung function as sequelae of cytostatic therapy of testicular tumors] Creutzig A, et al. **Med Klin** 1987 Feb 27;82(4):131-4 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Raynaud's phenomenon. Classification and definitions. Wouda AA. **Vasa [Suppl]** 1987;18:4-9

COMPLICATIONS

Clinical course and symptomatology of angina pectoris in a population study. Rosengren A, et al. **Acta Med Scand** 1986;220(2):117-26

Cerebral artery vasoconstriction and the Raynaud phenomenon [letter] Trapp RG. **Ann Intern Med** 1987 Apr; 106(4):630

Raynaud's phenomenon and panic attacks [letter] Pies RW. **J Clin Psychopharmacol** 1986 Oct;6(5):319-20

Noise-induced hearing loss in relation to vibration-induced white finger in chain-saw workers. Miyakita T, et al. **Scand J Work Environ Health** 1987 Feb;13(1):32-6

Raynaud's phenomenon and systemic diseases. Kallenberg CG. **Vasa [Suppl]** 1987;18:15-20 (38 ref.)

[Acrosclerosis, Gougerot-Sjögren syndrome, myxedema and anti-centromere antibodies. 3 cases of this association] Balafrej M, et al. **Ann Med Interne (Paris)** 1987; 138(3):185-8 (Eng. Abstr.) **(Fre)**

[Migraine and the idiopathic Raynaud phenomenon] Geraud G, et al. **Rev Neurol (Paris)** 1986;142(6-7):638-40 (Eng. Abstr.) **(Fre)**

[Association of carpal tunnel syndrome, Raynaud's phenomenon and cutaneous necrosis. Description of a clinical case] Piergiacomi G, et al. **Rev Rhum Mal Osteoartic** 1986 Jun;53(6):393-5 **(Fre)**

[Progressive systemic sclerosis without cutaneous involvement] Pereira RM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May-Jun; 41(3):144-7 (Eng. Abstr.) **(Por)**

[Raynaud's syndrome with gangrene of the distal phalanges of the fingers and myocarditis in viral (HBsAg-positive) liver cirrhosis (clinico-morphologic study)] Aprosina ZG, et al. **Ter Arkh** 1987;59(2):136-9 **(Rus)**

DIAGNOSIS

Assessment of vibration white finger syndrome. Litherland HK. **Can J Surg** 1986 Sep;29(5):336-8

The assessment of Raynaud's phenomenon using a radiation thermometer and a mild cold (20 degrees C) stress test. Bull ML, et al. **Int Angiol** 1986 Oct-Dec;5(4):237-42

Bilateral total occlusion of the ulnar and radial arteries at the wrist presenting as Raynaud's disease [letter] MacPeek DM, et al. **J Rheumatol** 1987 Apr;14(2):394-5

Raynaud's phenomenon: factors of prognostic significance for the development of connective tissue disease. Relevance of vascular and immunological tests. Kallenberg CG, et al. **Neth J Med** 1986;29(11):386-92

Finger peripheral resistance during local cold provocation in vasospastic disease. Pyykkö I, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):395-9

Vibration syndrome: a missed diagnosis. Taylor JS. **State Art Rev Occup Med** 1986 Apr-Jun;1(2):259-72 (31 ref.)

Nomenclature of Raynaud's phenomenon: a capillary microscopic and hemorheologic study. Jacobs MJ, et al. **Surgery** 1987 Feb;101(2):136-45

Methods of evaluating Raynaud's phenomenon for the purpose of pharmacotherapeutic research. Wouda AA. **Vasa [Suppl]** 1987;18:32-9

[Validity of plethysmography and the digital temperature recovery test in the diagnosis of primary and occupational Raynaud's phenomenon] Laroche GP, et al. **Clin Invest Med** 1987 Mar;10(2):96-102 (Eng. Abstr.) **(Fre)**

[Finger plethysmography for studying the blood rheological and hemodynamic components of an acrosyndrome] de Faucal P, et al. **J Mal Vasc** 1986;11(4):356-61 (Eng. Abstr.) **(Fre)**

[Clinical picture and treatment of the Raynaud syndrome of the upper extremities] Klüken N, et al. **Phlebologie** 1987 Apr-Jun;40(2):447-54 (Eng. Abstr.) **(Fre)**

[Capillaroscopy and acrosyndromes] Mathijs C, et al. **Phlebologie** 1987 Jan-Mar;40(1):31-5 **(Fre)**

[Digital blood pressure measurement after local cooling in vibration syndrome] Kurozawa Y, et al. **Sangyo Igaku** 1986 Mar;28(2):122-3 **(Jpn)**

[Rheography of the upper extremity in the diagnosis of vibration-induced vascular disorders] Nowak H, et al. **Med Pr** 1986;37(6):343-6 (Eng. Abstr.) **(Pol)**

[The CREST syndrome. Apropos of a case] Nogueira J, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):355-9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The effect of the calcium-entry blocker nifedipine on cold-induced digital vasospasm. A double-blind crossover study versus placebo. Nilsson H, et al. **Acta Med Scand** 1987;221(1):53-60

Nicardipine in the treatment of Raynaud's phenomenon: a randomized double-blind trial. Kahan A, et al. **Angiology** 1987 Apr;38(4):333-7

Therapeutic efficacy of ketanserin, a selective antagonist of the serotonin (5-HT2) receptors, in primary and secondary Raynaud's phenomenon. Meloni F, et al. **Angiology** 1987 Jul;38(7):530-6

Functional vascular disorders: treatment with pentoxifylline. Neirotti M, et al. **Angiology** 1987 Aug;38(8):575-80

Cold-induced Raynaud's phenomenon ameliorated by intravenous administration of ketanserin: a double-blind cross-over study. Baart de la Faille H, et al. **Arch Dermatol Res** 1986;279(1):3-7

Nicardipine in the treatment of Raynaud's phenomenon [letter] Kahan A, et al. **Arthritis Rheum** 1987 May;30(5):598

Nicardipine in the treatment of Raynaud's phenomenon. Dissociation of platelet activation from vasospasm. Wigley

FM, et al. **Arthritis Rheum** 1987 Mar;30(3):281–6

Clinical and rheological effects of nifedipine in Raynaud's phenomenon. Waller DG, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):449–54

Ketanserin in the treatment of traumatic vasospasiic disease. Larsen VH, et al. **Br Med J [Clin Res]** 1986 Sep 13; 293(6548):650–2

Nifedipine in the treatment of Raynaud's syndrome. Aldoori M, et al. **Cardiovasc Res** 1986 Jun;20(6):466–70

Nifedipine in pulmonary arterial hypertension. Importance of Raynaud's phenomenon. Fisher J, et al. **Chest** 1987 Sep; 92(3):400–5

The peripheral vascular effects of nifedipine in Raynaud's syndrome associated with scleroderma: a double blind crossover study. Finch MB, et al. **Clin Rheumatol** 1986 Dec;5(4):493–8

Responses to nifedipine by patients with Raynaud's disease and Raynaud's phenomenon secondary to another disease. Riccio A, et al. **Clin Ther** 1987;9(2):232–7

Treatment of Raynaud's phenomenon with captopril. Tosi S, et al. **Drugs Exp Clin Res** 1987;13(1):37–42

Controlled double blind trial of nisoldipine in the treatment of idiopathic Raynaud's phenomenon. Gjørup T, et al. **Eur J Clin Pharmacol** 1986;31(4):387–9

Efficacy of nifedipine in Raynaud's phenomenon associated with systemic sclerosis [letter] Thakur SK, et al. **J Assoc Physicians India** 1986 Jul;34(7):536

Acute effects of sublingual nifedipine in patients with Raynaud's phenomenon. Gush RJ, et al. **J Cardiovasc Pharmacol** 1987 May;9(5):628–31

Nifedipine in Raynaud's phenomenon: relationship between immediate, short term and longterm effects. Kallenberg CG, et al. **J Rheumatol** 1987 Apr;14(2):284–90

Beta-blockers: a new therapeutic approach to Raynaud's disease. Brotzu G, et al. **Microvasc Res** 1987 Mar; 33(2):283–8

Objective relief of vasospasm by glyceryl trinitrate in secondary Raynaud's phenomenon. Coppock JS, et al. **Postgrad Med J** 1986 Jan;62(723):15–8

Clinical and laboratory effects of nifedipine in Raynaud's phenomenon. Hawkins SJ, et al. **Rheumatol Int** 1986; 6(2):85–8

Prolonged remission in Raynaud's phenomenon after prostacyclin infusion. Bellucci S, et al. **Scand J Rheumatol** 1986;15(4):392–8

Ketanserin versus nifedipine in secondary Raynaud's phenomenon. Kirch W, et al. **Vasa** 1987;16(1):77–80

Does serotonin receptor blockade have a therapeutic effect in Raynaud's phenomenon? Brouwer RM, et al. **Vasa [Suppl]** 1987;18:64–7

Treatment of Raynaud's phenomenon with nifedipine short-term and long-term effects. Kallenberg CG, et al. **Vasa [Suppl]** 1987;18:68–70

A double-blind controlled trial of low dose acetylsalicylic acid and dipyridamole in the treatment of Raynaud's phenomenon. van der Meer J, et al. **Vasa [Suppl]** 1987; 18:71–5

Drug treatment in Raynaud's phenomenon. Wesseling H. **Vasa [Suppl]** 1987;18:48–53 (52 ref.)

[Calcium antagonists in Raynaud's disease] Gjørup T, et al. **Ugeskr Laeger** 1986 Nov 24;148(48):3236–7 **(Dan)**

[Treatment of Raynaud's syndrome with ketanserin. Clinical, biological and hemodynamic aspects (letter)] Bellucci S, et al. **Presse Med** 1987 Jul 11–18;16(27):1335 **(Fre)**

[Nicardipine in the treatment of Raynaud's phenomenon] Kahan A, et al. **Rev Rhum Mal Osteoartic** 1987 Jun; 54(6):487–90 (Eng. Abstr.) **(Fre)**

[Whole blood viscosity in patients with acral arterial occlusive diseases and their modification by rheologically active drugs] Runge E, et al. **Z Gesamte Inn Med** 1987 Mar 1;42(5):137–41 (Eng. Abstr.) **(Ger)**

[A double-blind clinical trial of a topical preparation with a base of biochemical precursors of glucosaminoglycan (GAG) in patients suffering from Raynaud's disease] Signorini GP. **Boll Chim Farm** 1986 Oct;125(10):103S–110S (Eng. Abstr.) **(Ita)**

[Objective judgement on effects of medicine in patients with Raynaud's phenomenon—measurement of cutaneous blood flow using laser Doppler flowmeter and platelet aggregation activity] Shimizu H, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):35–8 **(Jpn)**

[Treatment of Raynaud's syndrome with calcium entry blockers] Shcherbakov AB, et al. **Ter Arkh** 1987; 59(4):89–92 (Eng. Abstr.) **(Rus)**

ECONOMICS

Canadian compensation law and vibration-induced white finger. A revised description. Paterson C. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):402–6

ETIOLOGY

High vascular tone but no obliterative lesions in vibration white fingers. Ekenvall L, et al. **Am J Ind Med** 1987; 12(1):47–54

Raynaud's phenomenon in hypothyroidism. Shagan BP, et al. **Angiology** 1976 Jan;27(1):19–25

Hypothenar hammer syndrome presenting as bilateral Raynaud's phenomenon [letter] Williams WV, et al. **Arthritis Rheum** 1987 Feb;30(2):234–5

Vibration white finger: a follow up study. Ekenvall L, et al. **Br J Ind Med** 1987 Jul;44(7):476–8

Raynaud's phenomenon in chain saw users. Hot and cold finger systolic pressures and nailfold capillary findings. Vayssairat M, et al. **Eur Heart J** 1987 Apr;8(4):417–22

Haemangioma of the median nerve associated with Raynaud's phenomenon. Prosser AJ, et al. **J Hand Surg [Br]** 1987 Jun;12(2):227–8

Cardiovascular responses of vibration-exposed workers to a cold provocation test. Bovenzi M. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):378–81

Assessing the severity of the neurological component of the hand-arm vibration syndrome. Brammer AJ, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):428–31

Dose-response relationships for hand-transmitted vibration. Brammer AJ. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):284–8

Vibration from riveting tools in the frequency range 6 Hz–10 MHz and Raynaud's phenomenon. Dandanell R, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):338–42

Measures of vibrotactile sensitivity in persons exposed to hand-arm vibration. Hayward RA, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):423–7

Association between vibration-induced white finger and hearing loss in forestry workers. Iki M, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):365–70

Applications of hand-arm models in the investigation of the interaction between man and machine. Jahn R, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):343–6

Usefulness of fingertip skin temperature for examining peripheral circulatory disturbances of vibrating tool operators. Kurumatani N, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):245–8

Responses of mechanoreceptive afferent units in the glabrous skin of the human hand to vibration. Lundström RJ. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):413–6

Defibrinogating therapy for peripheral circulatory disturbance in patients with vibration syndrome. Nasu Y. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):272–6

Digital high-speed sampling of combined exposure to noise and vibration. Pekkarinen J, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):327–31

Cold provocation tests in the evaluation of vibration-induced white finger. Pyykkö I, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):254–8

Clinical aspects of the hand-arm vibration syndrome. A review. Pyykkö I. **Scand J Work Environ Health** 1986 Oct; 12(5):439–47 (119 ref.)

Impulsiveness of vibration as an additional factor in the hazards associated with hand-arm vibration. Starck J, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):323–6

Pathological changes observed in the finger biopsy of patients with vibration-induced white finger. Takeuchi T, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):280–3

A clinical assessment of seventy-eight cases of hand-arm vibration syndrome. Taylor W, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):265–8

[Arthralgias, cutaneous lesions and Raynaud's syndrome associated with myxoma of the left atrium] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):431–3 **(Fre)**

[Diagnosis of vibration-induced vasospastic syndromes] Oeser R. **Z Arztl Fortbild (Jena)** 1987;81(7):307–9 **(Ger)**

[Etiology, pathogenesis, diagnosis and treatment of Raynaud's disease and syndrome] Orap OI. **Klin Khir** 1986; (7):61–6 (76 ref.) **(Rus)**

FAMILIAL & GENETIC

Isolated Raynaud's phenomenon—a benign disorder. Sheiner NM, et al. **Ann Allergy** 1987 Feb;58(2):114–7

[Value of karyotype in vascular acrosyndromes] Coget JM, et al. **Phlebologie** 1987 Jan–Mar;40(1):37–45 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Infrequency of anticentromere antibody in patients without systemic sclerosis and without Raynaud's phenomenon [letter] Migliaresi S, et al. **Arthritis Rheum** 1987 Mar; 30(3):358–9

The clinical significance of the anticentromere antibody. Miller MH, et al. **Br J Rheumatol** 1987 Feb;26(1):17–21

Psoriasis and Raynaud's phenomenon with antiribonucleoprotein antibodies [letter] Kallenberg CG, et al. **N Engl J Med** 1987 Jan 8;316(2):111–2

Analysis of anticentromere autoantibodies using cloned autoantigen CENP-B. Earnshaw WC, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4979–83

METABOLISM

Severe subcutaneous calcification in the 'CREST' syndrome: evidence of high turnover of calcific deposits. Veerapen K, et al. **Br J Rheumatol** 1987 Apr;26(2):89–92

Alpha 2-adrenergic receptor levels in obstructive and spastic Raynaud's syndrome. Edwards JM, et al. **J Vasc Surg** 1987 Jan;5(1):38–45

OCCURRENCE

Vibration-induced white finger among selected underground rock drillers in British Columbia. Brubaker RL, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):296–300

Exposure conditions and Raynaud's phenomenon among riveters in the aircraft industry. Engström K, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):293–5

Follow-up study of patients with vibration syndrome in Japan. Nasu Y, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):313–9

Vibration syndrome among Finnish forest workers, a follow-up from 1972 to 1983. Pyykkö I, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):307–12

Epidemiologic survey of vibration syndrome among riveters, chippers and grinders in the railroad system of the People's Republic of China. Yu ZS, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):289–92

[Raynaud's syndrome, Dupuytren's disease, force of prehension and sensitivity of the hand. Study of age-related changes] Patri B, et al. **Ann Chir Main** 1986;5(2):144–7 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The diagnostic role of nailfold microscopy. Houtman PM, et al. **Vasa [Suppl]** 1987;18:21–7 (29 ref.)

PHYSIOPATHOLOGY

Noninvasive hemodynamic assessment of vasospasm in patients with primary Raynaud's phenomenon. van de Wal HJ, et al. **Angiology** 1987 Apr;38(4):315–32

Exaggerated postural vasoconstrictor reflex in Raynaud's phenomenon [letter] Chant AD. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):51

Exaggerated postural vasoconstrictor reflex in Raynaud's phenomenon. Olsen N, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1186–8

Raynaud's phenomenon: blood supply to fingers during indirect cooling, evaluated by laser Doppler flowmetry. Engelhart M, et al. **Clin Physiol** 1986 Dec;6(6):481–8

Raynaud's phenomenon: a review. Cotton LT, et al. **Int Angiol** 1986 Oct–Dec;5(4):215–36

Esophageal motility studies in patients with Raynaud's phenomenon. Fitzgerald OM, et al. **J Rheumatol** 1987 Apr; 14(2):273–7

Acute effects of nifedipine on digital blood flow in human subjects with Raynaud's phenomenon: a double blind placebo controlled trial. Wise RA, et al. **J Rheumatol** 1987 Apr;14(2):278–83

The measurement of periflux blood flow in patients with Raynaud's syndrome—with reference to cold loading. Oimomi M, et al. **Kobe J Med Sci** 1987 Apr;33(2):73–9

Local cold exposure test for capillaroscopic examination of patients with Raynaud's syndrome. Mahler F, et al. **Microvasc Res** 1987 May;33(3):422–7

Fish oil, Raynaud's syndrome, and undiscovered public knowledge. Swanson DR. **Perspect Biol Med** 1986 Autumn; 30(1):7–18

Circulatory reaction to heat and cold in vibration-induced white finger with and without sympathetic blockade—an experimental study. Gemne G, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):371–7

Pathophysiological and hygienic aspects of hand-arm vibration. Pyykkö I, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):237–41

Vasomotor oscillation in vibration-induced white finger. Pyykkö I, et al. **Scand J Work Environ Health** 1986 Aug; 12(4 Spec No):389–94

Haemorheology and dynamic capillary microscopy. Jacobs MJ, et al. **Vasa [Suppl]** 1987;18:28–31

Historical review of Raynaud's phenomenon nomenclature and pathophysiology. Lemmens HA. **Vasa [Suppl]** 1987; 18:10–4

The role of the sympathetic nervous system in the pathophysiology and therapy of Raynaud's phenomenon. Wollersheim H, et al. **Vasa [Suppl]** 1987;18:54–63 (62 ref.)

[Microcirculatory variations of the extremities in Raynaud's disease and systemic sclerosis, after percutaneous application of glucosaminoglycan precursors] Bronchi GF, et al. **Boll Chim Farm** 1986 Oct;125(10):89S–102S (Eng. Abstr.) **(Ita)**

[Tissue circulation in patients with vibration disease and its characteristics during physical exertion and "pale fingers" attacks] Balan GM, et al. **Gig Tr Prof Zabol** 1986 Dec; (12):55–6 **(Rus)**

PREVENTION & CONTROL

Elaboration of a standard procedure for the measurement of vibration emitted by percussive tools--application to breakers. Bitsch J, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):347–50

Chipping hammer vibration. Clarke JB, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):351–4

Accuracy of measuring impedance in the hand–arm system. Hempstock TI, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):355–8

Effects of different weight loads on the body during motorcycle riding. Matsumoto T, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):385–8

Transmission of hand–arm vibration to the head. Sakakibara H, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):359–61

Assessment of vibration levels associated with hand–held roadbreakers. Tasker EG. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):407–12

Handlebar vibration of a motorcycle during operation on different road surfaces. Yokomori M, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):332–37

RADIOGRAPHY

Hypothenar hammer syndrome: seventeen cases with long–term follow–up. Vayssairat M, et al. **J Vasc Surg** 1987 Jun;5(6):838–43

[Hypothenar hammer syndrome: report of two cases] Ina H, et al. **Rinsho Hoshasen** 1987 Feb;32(2):343–6 (Eng. Abstr.) **(Jpn)**

SURGERY

Microsurgical revascularisation of the hand in scleroderma. Jones NF, et al. **Br J Plast Surg** 1987 May;40(3):264–9

Treatment of patients with Raynaud's phenomenon by thoracic sympathectomy. Skotnicki SH, et al. **Vasa [Suppl]** 1987;18:42–7

THERAPY

General guidelines for the treatment of patients with Raynaud's phenomenon. Wouda AA. **Vasa [Suppl]** 1987; 18:40–1

[Resection of terminal sympathetic fibers in the treatment of Raynaud's syndrome: preliminary report of a new operation] Sun JM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):518–9, 572 (Eng. Abstr.) **(Chi)**

[Medical and surgical treatment of Raynaud's phenomenon] Van de Wal HJ. **Phlebologie** 1987 Jan–Mar;40(1):51–4 **(Fre)**

[Medical treatment of the Raynaud phenomenon] Zicot M. **Phlebologie** 1987 Jan–Mar;40(1):47–9 (Eng. Abstr.) **(Fre)**

[Immunocorrective therapy in the complex treatment of Raynaud's disease and syndrome] Driuk NF, et al. **Klin Khir** 1986;(7):51–4 (Eng. Abstr.) **(Rus)**

RAZOXANE see under **PIPERAZINES**

REACTANTS, ACUTE PHASE see **ACUTE PHASE PROTEINS**

REACTION TIME

A linear model for the response time in motion prediction. Yakimoff N, et al. **Acta Neurobiol Exp (Warsz)** 1987; 47(1):55–62

Prediction of post–concussional sequelae by reaction time test. Jakobsen J, et al. **Acta Neurol Scand** 1987 May; 75(5):341–5

Reaction time and critical duration for lines' detection and identification of their orientation. Zlatkova M, et al. **Acta Physiol Pharmacol Bulg** 1986;12(3):42–9

Relative signal frequency imbalance does not affect perceptual encoding in choice reactions. de Jong F, et al. **Acta Psychol (Amst)** 1986 Aug;62(3):211–23

Difference in reaction time between subjects with schizotypal and borderline personality disorders. Chapin K, et al. **Am J Psychiatry** 1987 Jul;144(7):948–50

Similarity judgments, distances, reaction times, and eye–movements in the perception of reactangles. Schroiff HW, et al. **Arch Psychol (Frankf)** 1986;138(4):253–60

Prediction of thresholds and latency on the basis of experimentally determined impulse responses. Blommaert FJ, et al. **Biol Cybern** 1987;56(5–6):329–44

Eye–hand–coordination in man: a reaction time study. Fischer B, et al. **Biol Cybern** 1986;55(4):253–61

Eye–hand–coordination: a model for computing reaction times in a visually guided reach task. Rogal L, et al. **Biol Cybern** 1986;55(4):263–73

Late positive component amplitude in schizophrenics and alcoholics in two different paradigms. Brecher M, et al. **Biol Psychiatry** 1987 Jul;22(7):848–56

REM latency concordance in depressed family members. Giles DE, et al. **Biol Psychiatry** 1987 Jul;22(7):910–4

Diurnal mood variation and REM latency in depression [letter] Jacobsen FM, et al. **Biol Psychiatry** 1987 Aug; 22(8):1045–8

Sex differences in latencies of bilateral electrodermal responses. Miossec Y, et al. **Biol Psychol** 1986 Oct; 23(2):115–25

Visual memory for pictorial stimuli in a serial choice reaction–time task. Marshall E, et al. **Br J Psychol** 1987 May;78 (Pt 2):213–31

Selective effects of minor illnesses on human performance. Smith AP, et al. **Br J Psychol** 1987 May;78 (Pt 2):183–8

Reaction time asymmetry through bilateral versus unilateral stimulus presentation. Boles DB. **Brain Cogn** 1987 Jul; 6(3):321–33

Absence of exposure time influence on lateralized face recognition and object naming latency tasks. Diehl JA, et al. **Brain Cogn** 1987 Jul;6(3):347–59

Effects of ischemic nerve block on the early and late components of the stretch reflex in the human forearm. Hayashi R, et al. **Brain Res** 1987 Feb 17;403(2):341–4

Sprint start reaction time: on the advisability of sensory vs motor sets. Buckolz E, et al. **Can J Sport Sci** 1987 Mar; 12(1):51–3

Sources of age differences in speed of processing. Kail R. **Child Dev** 1986 Aug;57(4):969–87

Vocal reaction times to unilaterally presented concrete and abstract words: towards a theory of differential right hemispheric semantic processing. Rastatter M, et al. **Cortex** 1987 Mar;23(1):135–42

Long–latency reflex activity in squirrel monkeys with occlusion of the middle cerebral artery. Lenz FA, et al. **Electroencephalogr Clin Neurophysiol** 1987 Sep; 67(3):238–46

Somatosensory evoked potentials in childhood. Egerhazi A, et al. **Electromyogr Clin Neurophysiol** 1986 Jun–Jul; 26(4):297–304

Comparative study of visual and auditory reaction time of hands and feet in males and females. Misra N, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):213–8

Relationships between the type A behavior pattern and phasic heart rate responses during a reaction time task. Stamps LE, et al. **Int J Psychophysiol** 1987 Jul;5(2):91–6

Orienting and schizophrenia: stimulus significance, attention, and distraction in a signaled reaction time task. Ohman A, et al. **J Abnorm Psychol** 1986 Nov;95(4):326–34

Minimal time interval in auditory temporal resolution. Muchnik C, et al. **J Aud Res** 1985 Oct;25(4):239–46

Experimenters' expectation and subjects' knowledge of hypotheses in simple reaction time to lateralized visual stimuli. Bruyer R, et al. **J Clin Exp Neuropsychol** 1987 Apr; 9(2):162–6

Time course of visual information utilization during fixations in reading. Blanchard HE, et al. **J Exp Psychol [Hum Percept]** 1984 Feb;10(1):75–89

Scheduling and programming of rapid finger sequences: tests and elaborations of the hierarchical editor model. Rosenbaum DA, et al. **J Exp Psychol [Hum Percept]** 1987 May;13(2):193–203

Does rate of processing determine ease of target detection? Stelmach LB. **J Exp Psychol [Hum Percept]** 1984 Feb; 10(1):108–18

Speed and accuracy of mental image rotation in young and elderly adults. Sharps MJ, et al. **J Gerontol** 1987 May; 42(3):342–4

Two components of motor time in elderly subjects. Ito H, et al. **J Hum Ergol (Tokyo)** 1986 Dec;15(2):163–6

The time it takes to make judgments of velocity. Costermans J, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):703–10

Identification thresholds of nonsense syllables by stutterers. Fukawa T, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):592–4

Preliminary evidence for body–centered coding of tactile motor events. Hasbroucq T. **Percept Mot Skills** 1987 Apr; 64(2):631–4

Correlation between auditory reaction time and intelligence. Poon PW, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):375–8

Selected parameters of response organization in mildly mentally retarded children. Porretta DL. **Percept Mot Skills** 1987 Feb;64(1):95–100

Speed as a variable in the performance of partially hearing children on tests of cognitive ability. Brand HJ, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):711–4

More on the speed and accuracy of positive and negative responses. Ratcliff R. **Psychol Rev** 1987 Apr;94(2):277–80

Shortened REM latency: a consequence of psychological strain? Lauer C, et al. **Psychophysiology** 1987 May; 24(3):263–71

Contrasting effects of response uncertainty on the task–evoked pupillary response and reaction time. Richer F, et al. **Psychophysiology** 1987 May;24(3):258–62

[Decision strategy: effect of the proportion of total response time taken by choice reaction time] Proteau L, et al. **Can J Appl Sport Sci** 1986 Dec;11(4):191–204 (Eng. Abstr.) **(Fre)**

[Heart rate and reaction time] Vaitl D, et al. **Z Exp Angew Psychol** 1987;34(1):120–35 (Eng. Abstr.) **(Ger)**

[Contingent negative variation and reaction time in an experimental pain paradigm: relation to personality traits] Somenzini G, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30; 62(8):977–83 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Ethanol and aging effects on movement initiation can be dissociated from general behavioral impairment using a high–speed lever–release task in rats. Spirduso WW, et al. **Alcohol Drug Res** 1987;7(4):259–71

Effects of chloral hydrate, pentobarbital, ketamine, and curare on the auditory middle latency response. Smith DI, et al. **Am J Otolaryngol** 1987 Jul–Aug;8(4):241–8

N1 latency prolongation in the guinea pig cochlea treated with nitrogen mustard–N–oxide studied by narrow band analysis. Ikeda K, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):182–6

The ability of oxytocin to induce short latency maternal behavior is dependent on peripheral anosmia. Wamboldt MZ, et al. **Behav Neurosci** 1987 Jun;101(3):439–41

Hydergine effect on prolactin and reaction time in dementia [letter] el Sobky A, et al. **Biol Psychiatry** 1986 Oct; 21(12):1229–30

Effects of substance P analogues in the rat tail–flick test. Couture R, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):355–9

Prenatal diazepam: chronic anxiety and deficits in brain receptors in mature rat progeny. Livezey GT, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct;8(5):425–32

The effects of diisopropyl phosphorofluoridate (DFP) on inter–response time and circadian patterns of lever–pressing in rats. Raslear TG, et al. **Neurobehav Toxicol Teratol** 1986 Nov–Dec;8(6):655–8

Levorphanol but not dextrorphan suppresses the foot–lifting response to an aversive thermal stimulus in the terrestrial snail, Cepaea nemoralis. Hirst M, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):121–3

Alcohol and simple reaction time in a vigilance setting: a placebo control study. Gustafson R. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):385–6

Effect of small doses of alcohol and signal intensity on simple auditory reaction time in a monotonous test situation. Gustafson R. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):539–43

Alcohol, reaction time, and vigilance settings: importance of length of intersignal interval. Gustafson R. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):424–6

Amphetamine impairs the discriminative performance of rats with dorsal noradrenergic bundle lesions on a 5–choice serial reaction time task: new evidence for central dopaminergic–noradrenergic interactions. Cole BJ, et al. **Psychopharmacology (Berlin)** 1987;91(4):458–66

Does methylphenidate affect information processing? Findings from two studies on performance and P3b latency. Brumaghim JT, et al. **Psychophysiology** 1987 May; 24(3):361–73

[Alcohol, smoking and reactivity] Mittmeyer HJ, et al. **Beitr Gerichtl Med** 1986;44:5–15 (Eng. Abstr.) **(Ger)**

[Measuring reaction times in healthy probands before and following a single dose of psychotropic drugs] Fischer W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):616–8 (Eng. Abstr.) **(Ger)**

[Evaluation of psychological performance parameters in the use of Finlepsin and Convulsofin] König K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Jan;39(1):44–8 (Eng. Abstr.) **(Ger)**

[Effects of halothane on sensory evoked potentials] Miyamoto T, et al. **No To Shinkei** 1986 Jul;38(7):639–46 (Eng. Abstr.) **(Jpn)**

[Diazepam and reaction time in patients with neuroses] Borys B. **Psychiatr Pol** 1986 Sep–Oct;20(5):364–8 (Eng. Abstr.) **(Pol)**

[Effect of antihypertensive pharmacotherapy on reaction time in patients with hypertension under the conditions of monotony] Logoveeva TN, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Reaction times to lateralized visual stimuli in multiple sclerosis. Arena R, et al. **Acta Neurol (Napoli)** 1986 Oct; 8(5):545–53

Response time in monkeys with unilateral neglect. Valenstein E, et al. **Arch Neurol** 1987 May;44(5):517–20

The need to respond and cardiac cycle effects: an alternative hypothesis. Toon PD. **Biol Psychol** 1986 Dec;23(3):235–45

Synchronized calling in a treefrog (Smilisca sila). Short behavioral latencies and implications for neural pathways involved in call perception and production. Ryan MJ. **Brain Behav Evol** 1986;29(3–4):196–206

Metabolic control and auditory information processing at altered glucose levels in insulin–dependent diabetes. Holmes CS. **Brain Cogn** 1987 Apr;6(2):161–74

Could parkinsonian akinesia be attributable to a disturbance in the motor preparatory process? Chan CW. **Brain Res** 1986 Oct 29;386(1–2):183–96

The relationship between axonal and perisynaptic conduction times in the retinogeniculate pathway of cats. Schroeder CE, et al. **Brain Res** 1986 Aug 27;381(1):143–7

After–effects of stochastic synaptic Renshaw cell excitation on their discharge probability. Windhorst U, et al. **Brain Res** 1987 Apr 7;408(1–2):289–94

The latency of the visual evoked potential as an index of myelin disturbance in children treated for acute lymphoblastic leukemia. O'Hare AE, et al. **Clin Electroencephalogr** 1987 Apr;18(2):68–73

Visual half–field presentations of incongruent color words: effects of gender and handedness. Franzon M, et al. **Cortex** 1986 Sep;22(3):433–45

Further evidence for focal effect of right hemisphere damage on simple reaction time. Tartaglione A, et al. **Cortex** 1987 Jun;23(2):285–92

Human short–latency auditory responses obtained by

cross-correlation. Wilson MJ, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jun; 66(6):529–34

Effects of ice on the amplitude of M wave in distal latency. Basgöze O, et al. **Electromyogr Clin Neurophysiol** 1986 Dec; 26(8):729–34

F response latencies and durations in upper motor neuron syndromes. Fisher MA. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep;26(5–6):327–32

A late motor response: the peripheral late wave (PWL). Raudino F. **Electromyogr Clin Neurophysiol** 1986 Oct–Nov; 26(7):593–5

Role of agonist and antagonist muscles in fast arm movements in man. Wierzbicka MM, et al. **Exp Brain Res** 1986; 63(2):331–40

Operator effort and the measurement of heart-rate variability. Aasman J, et al. **Hum Factors** 1987 Apr;29(2):161–70

The associations between 40 Hz-EEG and the middle latency response of the auditory evoked potential. Başar E, et al. **Int J Neurosci** 1987 May;33(1–2):103–17

Cardiac-related cortical inhibition during a fixed foreperiod reaction time task. Koriath JJ, et al. **Int J Psychophysiol** 1986 Nov;4(3):183–95

The effect of broadband noise on the human brain-stem auditory evoked response. IV. Additivity of forward-masking and rate-induced wave V latency shifts. Burkard R, et al. **J Acoust Soc Am** 1987 Apr;81(4):1064–72

The effects of videogame playing on the response selection processing of elderly adults. Clark JE, et al. **J Gerontol** 1987 Jan;42(1):82–5

General slowing of nonverbal information processing: evidence for a power law. Hale S, et al. **J Gerontol** 1987 Mar;42(2):131–6

Age differences in the speed of cognitive operations: resolution of inconsistent findings. Jacewicz MM, et al. **J Gerontol** 1987 Jan;42(1):86–8

Aftereffects in the responses of cat muscle spindles. Gregory JE, et al. **J Neurophysiol** 1986 Aug;56(2):451–61

Encoding timing and intensity in the ventral cochlear nucleus of the cat. Rhode WS, et al. **J Neurophysiol** 1986 Aug; 56(2):261–86

Physiological studies on neurons in the dorsal cochlear nucleus of cat. Rhode WS, et al. **J Neurophysiol** 1986 Aug; 56(2):287–307

Temporal features of the responses of primate spinothalamic neurons to noxious thermal stimulation of hairy and glabrous skin. Surmeier DJ, et al. **J Neurophysiol** 1986 Aug; 56(2):351–69

Depletion of dopamine in the caudate nucleus but not in nucleus accumbens impairs reaction-time performance in rats. Amalric M, et al. **J Neurosci** 1987 Jul;7(7):2129–34

Simple reaction-time changes in patients with unilateral brain damage. Tartaglione A, et al. **Neuropsychologia** 1986; 24(5):649–58

Super-slow oscillations in the characteristics of states of the human operator under conditions of monotony. Frolov MV. **Neurosci Behav Physiol** 1987 Jan–Feb;17(1):27–32

EMG-reaction time of the biceps brachii in bilateral simultaneous motions. Kasai T, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):455–60

No increase in reaction-time after lesion of the dorsal noradrenergic bundle. Brenner E, et al. **Physiol Behav** 1987; 39(5):653–6

Simple versus complex performance impairments at three blood glucose levels. Holmes CS, et al. **Psychoneuroendocrinology** 1986;11(3):353–7

The influence of latency jitter in principal component analysis of event-related potentials. Möcks J. **Psychophysiology** 1986 Jul;23(4):480–4

The effect of temperature, mean arterial pressure, and cardiopulmonary bypass flows on somatosensory evoked potential latency in man. Dolman J, et al. **Thorac Cardiovasc Surg** 1986 Aug;34(4):217–22

Visual reaction time performance preceding CNS oxygen toxicity. Curley MD, et al. **Undersea Biomed Res** 1987 Jul; 14(4):301–10

Simple reaction time to sinusoidal grating and perceptual integration time: contributions of perceptual and response processes. Ejima Y, et al. **Vision Res** 1987;27(2):269–76

[Latency, threshold and frequency selectivity of the crossed medial cochlear efferent pathways] Bonfils P, et al. **C R Acad Sci [III]** 1987;304(17):461–4 (Eng. Abstr.) **(Fre)**

[Cortical SEP of early and intermediate latency following stimulation of the median and tibial nerves in disseminated encephalomyelitis--relation to findings in cerebral nuclear magnetic resonance tomography] Bräu H, et al. **EEG EMG** 1986 Dec;17(4):201–8 (Eng. Abstr.) **(Ger)**

[Function of the lower urinary tract. 6th report on standardizing terminology. Neurophysiologic studies. Electromyography, nerve conduction velocity, reflex latency, evoked potentials and sensitivity testing] Jonas U, et al. **Z Urol Nephrol** 1987 Feb;80(2):111–6 **(Ger)**

[Effects of general anesthesia on auditory middle latency response] Sasaki H, et al. **Masui** 1986 Sep;35(9):1330–4 (Eng. Abstr.) **(Jpn)**

[Study of clinical application of short latency visual evoked potential (SVEP)] Kawashima S, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):194–9 (Eng. Abstr.) **(Jpn)**

[The short latency response of the photic blink reflex. 1. Investigation of the unilateral optic tract disturbance] Sekiya Y, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb; 91(2):235–9 (Eng. Abstr.) **(Jpn)**

[Short latency somatosensory evoked potentials in patients with syringomyelia] Nagahiro S, et al. **No To Shinkei** 1986 Nov;38(11):1057–63 (Eng. Abstr.) **(Jpn)**

[Changes in short latency SEPs (S-SEPs) to median nerve stimulation in brain dead patients] Takahashi H, et al. **No To Shinkei** 1987 Jun;39(6):543–9 (Eng. Abstr.) **(Jpn)**

[Serial changes in evoked potentials in kainic acid (KA)-induced limbic seizures in chronic cats] Tanaka S, et al. **No To Shinkei** 1987 Jun;39(6):565–70 (Eng. Abstr.) **(Jpn)**

[Mechanism of voluntary and involuntary human activity in extreme circumstances] Medvedev VI, et al. **Fiziol Cheloveka** 1987 Jan–Feb;13(1):90–5 **(Rus)**

[Electrical activity of the cortex and reaction time to photic and acoustic stimuli] Konovalov VF, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):698–707 (Eng. Abstr.) **(Rus)**

[New parameter for assessing sinus node function--the sinus node refractory period] Lautsiavichius A, et al. **Kardiologiia** 1986 Nov;26(11):97–8 **(Rus)**

[Information-activation relations and mental work capacity of operators] Ioseliani KK, et al. **Kosm Biol Aviakosm Med** 1987 Jan–Feb;21(1):17–21 (Eng. Abstr.) **(Rus)**

[Thresholds of long-latency evoked potentials and of the sensations of motion occurring during human exposure to linear accelerations] Trinus KF. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):62–6 (Eng. Abstr.) **(Rus)**

[Learning to differentiate microintervals of time using verbal feedback] Ivashchenko OI, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):408–13 (Eng. Abstr.) **(Rus)**

REACTIVE DISORDERS see **ADJUSTMENT DISORDERS**

REACTIVE INHIBITION see under **INHIBITION (PSYCHOLOGY)**

REACTIVE SITE see **BINDING SITES**

READING

see related
DYSLEXIA, ACQUIRED

Beyond Cinderella: relevant reading for young adolescents about stepfamilies. Coleman M, et al. **Adolescence** 1986 Fall; 21(83):553–60

Narrowing the "method" gapLewis HE Jr. **Adolescence** 1987 Spring;22(85):115–7

The language-experience approach to facilitating reading and writing for hearing-impaired students. Ewoldt C, et al. **Am Ann Deaf** 1986 Oct;131(4):271–4

Reading achievement of prelingually deaf students and its relationship to parental method of communication: a review of the literature. Kampfe CM, et al. **Am Ann Deaf** 1987 Mar;132(1):11–5

Performance of deaf college students on a criterion-referenced, modified cloze test of reading comprehension. Reynolds HN. **Am Ann Deaf** 1986 Dec; 131(5):361–4

Determining the convergence demand for a patient who reads at a close working distance. Bither PP. **Am J Optom Physiol Opt** 1987 May;64(5):355–60

Active-passive paradigm in assessing CCTV-aided reading. Faubert J, et al. **Am J Optom Physiol Opt** 1987 Jan; 64(1):23–8

Evaluation of reading speed with four low vision aids. Mancil GL, et al. **Am J Optom Physiol Opt** 1986 Sep;63(9):708–13

Effect of reading in low illumination on fixation disparity. Pickwell LD, et al. **Am J Optom Physiol Opt** 1987 Jul; 64(7):513–8

Flight trial of a helmet-mounted display image stabilisation system. Wells MJ, et al. **Aviat Space Environ Med** 1987 Apr;58(4):319–22

Control of eye movements by working memory load. Fleischer AG. **Biol Cybern** 1986;55(4):227–38

The effects of independently validated strategies on visual hemifield asymmetry. Richards A, et al. **Br J Psychol** 1987 May;78 (Pt 2):163–81

On the possible dangers of using horizontal word displays in visual field studies. Bryden MP. **Brain Cogn** 1986 Jul; 5(3):362–8

Words and hemifields: do the hemispheres enjoy equal opportunity? Kirsner K, et al. **Brain Cogn** 1986 Jul; 5(3):354–61

Event-related potentials, semantic processes, and expectancy factors in word recognition. Bentin S. **Brain Lang** 1987 Jul;31(2):308–27

Right hemisphere language processing: lateral difference with imageable and nonimageable ambiguous words. Deloche G, et al. **Brain Lang** 1987 Mar;30(2):197–205

Brain potentials related to seeing one's own name. Fischler I, et al. **Brain Lang** 1987 Mar;30(2):245–62

Accurate reading by nonlexical means: a case study. Katz RB, et al. **Brain Lang** 1987 Jul;31(2):252–66

Laterality patterns in young fluent readers. Mamen M. **Brain Lang** 1987 Jan;30(1):81–92

Hemispheric alpha asymmetries and behavioral responses of aphasic and normal subjects for the recall and recognition of active, passive, and negative sentences. Moore WH Jr. **Brain Lang** 1986 Nov;29(2):286–300

Unexpected reading precocity in a normal preschooler: implications for hyperlexia. Pennington BF, et al. **Brain Lang** 1987 Jan;30(1):165–80

Are there different methods of lexical access for words presented in the left and right visual fields? Schwartz S, et al. **Brain Lang** 1987 Jul;31(2):301–7

More things in heaven and earth than are dreamt of in the initial letter acuity hypothesis. Young AW, et al. **Brain Lang** 1987 Jul;31(2):364–71

Automaticity, retrieval processes, and reading: a longitudinal study in average and impaired readers. Wolf M, et al. **Child Dev** 1986 Aug;57(4):988–1000

Inter- and intrahemispheric processing of letter stimuli by dyslexic children and normal readers. Broman M, et al. **Cortex** 1986 Sep;22(3):447–59

Influence of figural complexity on the identification of Kanji and Kana characters. Büssing A, et al. **Cortex** 1987 Jun; 23(2):325–30

Theoretical implications of the hyperlexia syndrome: two new Italian cases. Cossu G, et al. **Cortex** 1986 Dec; 22(4):579–89

Phonological reading: phenomena and paradoxes. McCarthy R, et al. **Cortex** 1986 Sep;22(3):359–80

The perceptual "window" in two-handed braille: do the left and right hands process text simultaneously? Millar S. **Cortex** 1987 Mar;23(1):111–22

Vocal reaction times to unilaterally presented concrete and abstract words: towards a theory of differential right hemispheric semantic processing. Rastatter M, et al. **Cortex** 1987 Mar;23(1):135–42

Ideogram reading in normal and dyslexic children. Sivan AB, et al. **Cortex** 1986 Sep;22(3):487–90

Spoken sentence comprehension by good and poor readers: a study with the Token Test. Smith ST, et al. **Cortex** 1986 Dec;22(4):627–32

Reading epilepsy. Mesri JC, et al. **Epilepsia** 1987 May–Jun; 28(3):301–4

Reporting words from the eye or the ear: to write or to speak? Morris N, et al. **Ergonomics** 1987 Apr;30(4):665–74

Computers and cognition in reading: a focus on decoding fluency. Torgesen JK. **Except Child** 1986 Oct;53(2):157–62

Teaching children to identify the main idea of expository texts. Williams JP. **Except Child** 1986 Oct;53(2):163–8

The brain in language and reading: research application and interpretation. Sawyer DJ. **Folia Phoniatr (Basel)** 1987; 39(1):38–50

Reading: the ageless activity. Bond CL, et al. **Geriatr Nurs (New York)** 1987 Jul–Aug;8(4):192–3

Reading is slower from CRT displays than from paper: attempts to isolate a single-variable explanation. Gould JD, et al. **Hum Factors** 1987 Jun;29(3):269–99

Fatigue and reading of text on videotex. Nordqvist T, et al. **Hum Factors** 1986 Jun;28(3):353–63

A multibus-compatible interface to selected reading displays for the blind. Steele RD, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):896–8

An ultimate view of reading ability. Dalby JT. **Int J Neurosci** 1986 Sep;30(3):227–30

Neuroelectric correlates of a neuropsychological model of word decoding and semantic processing in normal children. Ostrosky-Solís F, et al. **Int J Neurosci** 1987 May; 34(1–2):97–113

Neuroelectric correlates of a neuropsychological model of word decoding and semantic processing in reading disabled children. Ostrosky-Solís F, et al. **Int J Neurosci** 1987 Jul; 35(1–2):1–20

The relationship of reading disability and the techniques of teaching reading. Zenhausern R. **Int J Neurosci** 1987 May; 34(1–2):55–62

Near work, visual fatigue, and variations of oculomotor tonus. Owens DA, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):743–9

Reading with a macular scotoma. II. Retinal locus for scanning text. Timberlake GT, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1268–74

Reading strategies in children with learning disabilities and minor neurological dysfunction. Levi G, et al. **Ital J Neurol Sci** 1986 Apr;Suppl 5:149–54

Hyperlexia: a marker for improvement in children with pervasive developmental disorder? Burd L, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):407–12

Multiple spans in transcription typing. Salthouse TA, et al. **J Appl Psychol** 1987 May;72(2):187–96

The assessment of reading readiness using multidimensionally scored time-compressed speech. Riensche LL, et al. **J Aud Res** 1986 Jan;26(1):1–4

On hermetic reading abilities. Goldberg TE. **J Autism Dev Disord** 1987 Mar;17(1):29–44

Piracetam and dyslexia: effects on reading tests. Wilsher CR, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):230–7

Some acoustic characteristics of oral reading by ten- to twelve-year-old children. Horii Y. **J Commun Disord** 1983 Jul;16(4):257–67

Comprehension in "hyperlexic" readers.Snowling M, et al. **J Exp Child Psychol** 1986 Dec;42(3):392–415

Pictures in sentences: understanding without words. Potter MC, et al. **J Exp Psychol [Gen]** 1986 Sep;115(3):281–94

Time course of visual information utilization during fixations in reading. Blanchard HE, et al.

J Exp Psychol [Hum Percept] 1984 Feb;10(1):75–89
Strategies for visual word recognition and orthographical depth: a multilingual comparison. Frost R, et al.
J Exp Psychol [Hum Percept] 1987 Feb;13(1):104–15
Detecting letters in continuous text: effects of display size. Healy AF, et al. **J Exp Psychol [Hum Percept]** 1987 May; 13(2):279–90
Processing changes across reading encounters [published erratum appears in J Exp Psychol [Learn Mem Cogn] 1987 Apr;13(2):186] Levy BA, et al.
J Exp Psychol [Learn Mem Cogn] 1986 Oct;12(4):467–78
Inferences about predictable events. McKoon G, et al.
J Exp Psychol [Learn Mem Cogn] 1986 Jan;12(1):82–91
Identification of typographically transformed words: instance–based skill acquisition. Masson ME.
J Exp Psychol [Learn Mem Cogn] 1986 Oct;12(4):479–88
Antecedent search processes and the structure of text. O'Brien EJ. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr; 13(2):278–90
Critical reading habits and the maturation of family medicine [editorial] Geyman JP. **J Fam Pract** 1987 Aug;25(2):115
Visually–presented letter strings typically are encoded phonologically: some converging evidence. Chastain G. **J Gen Psychol** 1987 Apr;114(2):147–56
Reading about homosexuality. Grubb PF. **J Homosex** 1986 Winter–1987 Spring;13(2–3):121–35
Affective prosody in the reading voice of stroke patients. House A, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul; 50(7):910–2
Formal relationships among words and the organization of the mental lexicon. Napps SE, et al.
J Psycholinguist Res 1987 May;16(3):257–72
Reading medical English literature: cognitive strategies vs translation. Salager FE. **Med Educ** 1986 Nov;20(6):535–8
The Reading–Free Vocational Interest Inventory: a typology of vocational clusters. Becker RL. **Ment Retard** 1987 Jun; 25(3):171–9
Qualitatively different organizational structures of lexical knowledge in the left and right hemisphere. Drews E. **Neuropsychologia** 1987;25(2):419–27
Phonemic analysis, spelling, and reading. Treiman R.
New Dir Child Dev 1985 Mar;(27):5–18
Electrical measurement of internal information processing during silent reading and listening. McGuigan FJ.
Pavlov J Biol Sci 1979 Oct–Dec;14(4):218–25
Effects of mode of presentation on comprehension of below average, average and above average readers. Ganschow L, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):899–905
Effects of depression upon reading: a case for distinguishing effortful from automatic processes. Henderson JG Jr.
Percept Mot Skills 1987 Feb;64(1):191–200
Enhancing internal locus of control beliefs through group counselling: effects upon children's reading performance. Charlton T, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):928–30
Addressing issues in letter recognition. Massaro DW, et al.
Psychol Res 1986;48(3):123–32
Building higher–order units in tachistoscopic identification: a test of two models. Wolff P, et al. **Psychol Res** 1986; 48(2):79–85
A pilot program for assigned reading by residents in consultation psychiatry. Frankel BL, et al.
Psychosomatics 1986 Sep;27(9):644–7
Short–term storage and the processing of cohesion during reading. Fischer B, et al. **Q J Exp Psychol [A]** 1986 Aug; 38(3):431–60
Digit span, reading rate, and linguistic relativity. Naveh–Benjamin M, et al. **Q J Exp Psychol [A]** 1986 Nov; 38(4):739–51
Linguistic abstraction and hearing handicap. Rönnberg J, et al. **Scand Audiol** 1987;16(2):95–9
The workings of working memory [news] Waldrop MM.
Science 1987 Sep 25;237(4822):1564–7
Reading twisted text: implications for the role of saccades. Kowler E, et al. **Vision Res** 1987;27(1):45–60
[A Japanese case of crossed aphasia in a right–handed patient. Apropos of kana and kanji] Hamasaki T, et al.
Rev Neurol (Paris) 1987;143(1):47–54 (Eng. Abstr.) **(Fre)**
[Aphasia without amusia in a blind organist. Verbal alexia–agraphia without musical alexia–agraphia in braille] Signoret JL, et al. **Rev Neurol (Paris)** 1987;143(3):172–81 (Eng. Abstr.) **(Fre)**
[Understanding the text in uncertainty] Kock H.
Arch Psychol (Frankf) 1986;138(3):153–83 (Eng. Abstr.) **(Ger)**
[Experimental study of tactile discrimination and confusion of Braille symbols] Schürings I. **Z Exp Angew Psychol** 1987; 34(2):318–30 (Eng. Abstr.) **(Ger)**
[Functional hemispheric asymmetry in children with hypersynchronous activity in the EEG. A tachistoscopic study using visuolinguistic stimulus material] von Aster M, et al. **Z Kinder Jugenpsychiatr** 1987;15(1):18–28 (Eng. Abstr.) **(Ger)**
[Asymmetry of visual evoked potentials induced by the stimulation of two syllable nouns] Ninomiya H.
Fukuoka Igaku Zasshi 1986 Aug;77(8):385–400 (Eng. Abstr.) **(Jpn)**
[Intellectual dysfunction in Parkinson's disease––application of "Kanahiroi" test]Yamada T, et al.
Rinsho Shinkeigaku 1986 Jun;26(6):554–8 (Eng. Abstr.) **(Jpn)**
[Effects of learning experiences on the shift of hemispheric functional asymmetry] Yoshizaki K. **Shinrigaku Kenkyu** 1986 Apr;57(1):35–8 (Eng. Abstr.) **(Jpn)**

READING DISABILITY, ACQUIRED see **DYSLEXIA, ACQUIRED**

READING DISABILITY, DEVELOPMENTAL see **DYSLEXIA**

REAGENT KITS, DIAGNOSTIC

Commercial kits are not equally sensitive in detecting the group antigen of group A streptococcus. Hoffmann S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct; 94(5):347–50
An evaluation of the K2 asbestos screening test [letter] Gorman WW Jr. **Am Ind Hyg Assoc J** 1986 Nov; 47(11):A698, A700, A702
Comparison of commercial kits for the detection of anti–nDNA antibodies using Crithidia luciliae. Jansen EM, et al. **Am J Clin Pathol** 1987 Apr;87(4):461–9
Detection of HTLV–III antibody in cerebrospinal fluid from patients with AIDS and pre–AIDS with the use of a commercial test system. Johnson JE, et al.
Am J Clin Pathol 1987 Sep;88(3):351–3
Use of the RIM Escherichia coli Kit for rapid identification of Escherichia coli. Varga FJ, et al. **Am J Clin Pathol** 1986 Dec;86(6):761–4
Selection and validation of alpha–fetoprotein assay kits for the screening of Down syndrome [letter] Knight GJ, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1557–9
In–home pregnancy tests [letter] Clark JD.
Am J Public Health 1986 Dec;76(12):1461
More on in–home pregnancy tests [letter] Clark JD.
Am J Public Health 1987 Mar;77(3):371
Counseling patients on in–home colorectal cancer detection kits. Lachman BG. **Am Pharm** 1987 Feb;NS27(2):59–62
Drug screening: evaluation of the Toxi–Lab TLC system. Jarvie DR, et al. **Ann Clin Biochem** 1986 Jan;23 (Pt 1):76–84
Bacterial contamination of QC specimens as a cause of artefactually poor performance in the UK EQAS. Kemp LR, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):182–4
An evaluation of 13 commercial kits for the measurement of testosterone in serum and plasma. Wheeler MJ, et al.
Ann Clin Biochem 1986 May;23 (Pt 3):303–9
Variations in ambient temperature can lead to incorrect prediction of the luteinizing hormone surge using urinary dipsticks (OvuStick). Robarts P, et al.
Br J Obstet Gynaecol 1987 May;94(5):486–7
Highly sensitive qualitative methods for serum choriogonadotropin (hCG): clinical specificity studies. Bandi ZL, et al. **Clin Chem** 1987 May;33(5):677–81
Kinetic amylase kit adapted to the Technicon RA–1000. Barlow IM, et al. **Clin Chem** 1987 May;33(5):722
Discordant inter–kit results in immunoradiometry of serum thyrotropin [letter] Fan DF. **Clin Chem** 1987 Apr; 33(4):632–3
Evaluation and comparison of commercially available pregnancy tests based on monoclonal antibodies to human choriogonadotropin. Gelletlie R, et al. **Clin Chem** 1986 Dec; 32(12):2166–70
SimulTRAC simultaneous radioimmunoassay of thyrotropin and free thyroxin evaluated. Gow SM, et al. **Clin Chem** 1986 Dec;32(12):2191–4
Clinical and laboratory evaluation of a radioimmunoassay kit for measuring the mid–molecule fraction of parathyrin. Haver VM, et al. **Clin Chem** 1986 Nov;32(11):2056–9
Different reagent kits compared in centrifugal analysis for cholesterol in plasma. Huang YS, et al. **Clin Chem** 1987 Jun;33(6):1071
Evaluation of an enhanced luminescence assay for alpha–fetoprotein. John R, et al. **Clin Chem** 1986 Nov; 32(11):2066–9
Laboratory assessment of a commercial kit for measuring fructosamine in serum. Jury DR, et al. **Clin Chem** 1987 Jan;33(1):158–61
Analytical evaluation of four sensitive assays of thyrotropin, including effects of variations in patient sampling. Kreutzer HJ, et al. **Clin Chem** 1986 Nov;32(11):2085–90
Discrepancies in plasma estradiol values obtained with commercial kits. Nisbet JA, et al. **Clin Chem** 1987 Sep; 33(9):1672
The Abbott ER–EIA monoclonal kit [letter] Nolan C, et al. **Clin Chem** 1987 Jun;33(6):1105–8
A simpler enzymatic determination of creatine in serum with a commercial creatinine kit. Oversteegen HJ, et al.
Clin Chem 1987 May;33(5):720
Amerlite and Amerlex–M assays for total triiodothyronine compared [letter] Ramasamy I. **Clin Chem** 1987 Apr; 33(4):627–8
Speeding assay of therapeutic drugs with the "Cobas–Bio–FP" Rutledge JC, et al. **Clin Chem** 1987 Jul; 33(7):1256–7
New immunochemical method for rapid detection of human choriogonadotropin in urine. Shoham Z, et al.
Clin Chem 1987 Jun;33(6):800–2
Estimation of low levels of phosphatidylglycerol in aspirates of newborns using the AmnioStat FLM agglutination test. Egberts J, et al. **Clin Chim Acta** 1987 Jul 15;166(2–3):329–33
Removal of ascorbate from urine prior to assaying with a commercial oxalate kit. Kasidas GP, et al.
Clin Chim Acta 1987 Apr 30;164(2):215–21
A method for measuring testosterone–estradiol–binding globulin––new analysis of experimental data and comparison with two commercially available kits. Lecureuil N, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):277–89
Improved method for determination of high density lipoprotein cholesterol using a sensitive reagent and a centrifugal analyzer. Moshides JS. **Clin Chim Acta** 1987 Jul 15;166(2–3):275–82
Preparation and evaluation of 99mTc(V)–DMSA complex: studies in medullary carcinoma of thyroid. Ramamoorthy N, et al. **Eur J Nucl Med** 1987;12(12):623–8
Use of plastic kits for rapid recovery of streptococci in epidemiological studies. Brahmadathan KN, et al.
Indian J Med Res 1986 Sep;84:331–3
Screening for anti–HTLV–III/LAV antibody in high–risk subjects: sensitivity and specificity of commercial tests. Lantin JP, et al. **Int Arch Allergy Appl Immunol** 1987; 82(3–4):487–9
Evaluation of a commercially available kit for the colorimetric determination of zinc in human seminal plasma. Johnsen O, et al. **Int J Androl** 1987 Apr; 10(2):435–40
"Staphaurex" negative, methicillin resistant Staphylococcus aureus [letter] Coles MA, et al. **J Clin Pathol** 1986 Dec; 39(12):1365
Evaluation of enzyme immunoassay (Chlamydiazyme) for detecting Chlamydia trachomatis in genital tract specimens. Taylor–Robinson D, et al. **J Clin Pathol** 1987 Feb; 40(2):194–9
Assessment of new radioimmunoassay kit for determining urinary albumin at low concentrations: comparison with radial immunodiffusion. Watts GF, et al. **J Clin Pathol** 1986 Oct;39(10):1151–4
The use of three esterase kits to measure plasma cholesterol concentration in the rat and three other species. Evans GO.
J Comp Pathol 1986 Sep;96(5):551–6
A simplified diagnostic system for cultural detection and enumeration of Streptococcus mutans. Jordan HV, et al.
J Dent Res 1987 Jan;66(1):57–61
Strategy of thyroid–function testing, a comparative study using TT4, FT4I, various FT4 and IRMA–TSH kits. Krenning EP, et al. **J Endocrinol Invest** 1986;9 Suppl 4:95–104
How sensitive are the commercial assays for anti–HTLV III/LAV? Oldham LJ, et al. **J Med Virol** 1987 Jan; 21(1):75–9
More on rapid strep test kits: when is negative truly negative? [editorial] Hamrick HJ. **J Pediatr** 1987 Jul;111(1):80
Evaluation of direct and rapid identification of group A streptococci from throat swabs by Culturette 10–Minute Group A Strep ID test kit. Yamada T, et al.
Jpn Circ J 1986 Dec;50(12):1253–5
Comparison of a microplate anti–HBs EIA kit with AUSAB EIA [letter] Chan L, et al. **Lancet** 1986 Sep 27;2(8509):747
Blood donations reactive for HIV in Western blot, but non–infective in culture and recipients of blood [letter] van der Poel CL, et al. **Lancet** 1986 Sep 27;2(8509):752–3
"Super–negative" and potential false–negative results in anti–human immunodeficiency virus antibody testing with the Wellcozyme ELISA test kit [letter] Bolton WV, et al.
Med J Aust 1987 Sep 21;147(6):308, 310
Assessment of the Albuscreen microalbuminuria kit in diabetic outpatients. Leedman PJ, et al. **Med J Aust** 1987 Sep 21;147(6):285–6
Technology and diabetes care [editorial] Welborn TA.
Med J Aust 1987 Sep 21;147(6):268–9
Hybritech wins court injunction over sandwich assays [news] Ezzell C. **Nature** 1987 May 7–13;327(6117):5
Preparation of 99Tcm (V) DMSA [letter] Sampson CB.
Nucl Med Commun 1987 Mar;8(3):184–5
Application of the Directigen Group B Strep–test kit to the rapid identification of group B Streptococcus strains. Martini A, et al. **Nuovi Ann Ig Microbiol** 1985 May–Jun; 36(3):219–22
A rapid serum estrogen assay suitable for office use in monitoring follicular maturation. Kaseki H, et al.
Obstet Gynecol 1987 Sep;70(3 Pt 1):412–5
Use of Reanal stone analyser kit for the analysis of ignition residue of urinary calculi. Berényi M, et al. **Ther Hung** 1985;33(4):198–200
[Evaluation of a self–prepared enzyme immunoassay kit for detection of alpha–fetoprotein] Lin MC, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1986 Feb;19(1):52–60 (Eng. Abstr.) **(Chi)**
[Comparative study of the diagnostic contribution of C–terminal and medio–regional determination of parathyroid hormone in man] Demulder A, et al.
Pathol Biol (Paris) 1987 Feb;35(2):145–51 (Eng. Abstr.) **(Fre)**
[Value of ELISA in the diagnosis of HTLV–III–LAV infection. Specificity of kits (letter)] Lazizi Y, et al.
Presse Med 1986 Dec 6;15(43):2169 **(Fre)**
[Wellcozyme: a new kit for the detection of anti–HIV antibodies. Considerations apropos of the initial trials] North ML, et al. **Rev Fr Transfus Immunohematol** 1986 Oct–Nov;29(5):311–22 (Eng. Abstr.) **(Fre)**
[A modification in technology improves the specificity of the Du Pont de Nemours immunoenzyme kit for the detection of anti–HIV antibodies] North ML, et al.
Rev Fr Transfus Immunohematol 1986 Oct–Nov; 29(5):323–32 (Eng. Abstr.) **(Fre)**

[Clinical testing of a new blood glucose measuring system. A cooperative study at 8 centers] Rosak C, et al. **Dtsch Med Wochenschr** 1987 Mar 20;112(12):466–70 (Eng. Abstr.) **(Ger)**

[Rapid antigen tests for the diagnosis of group A streptococci in practice] Gnehm HE, et al. **Schweiz Rundsch Med Prax** 1987 Feb 17;76(8):188–91 (Eng. Abstr.) **(Ger)**

[Modified rapid test for the semiquantitative determination of cystine in the urine] Berg W, et al. **Z Urol Nephrol** 1986 Jul;79(7):373–82 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the diagnostic specificity and sensitivity of various 3d generation tests for the detection of markers of hepatitis B virus in serum—II—anti-HBc IgM] Corridori S, et al. **Boll Ist Sieroter Milan** 1986; 65(5):332–41 (Eng. Abstr.) **(Ita)**

[Methods of identifying Neisseria gonorrhoeae] Cavicchini S, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):187–9 (Eng. Abstr.) **(Ita)**

[Studies on the usefulness of the human basophil degranulation test performed using an Allergolam kit] Ito K, et al. **Arerugi** 1986 Dec;35(12):1139–48 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of an immunoradiometric assay for serum TSH using the Ventrex TSH kit] Fukazawa H, et al. **Kaku Igaku** 1987 Apr; 24(4):479–86 **(Jpn)**

[Fundamental and clinical evaluation of a highly sensitive immunoradiometric assay kit (RIA-gnost TSH Ultrasensitive) for serum TSH] Hara H, et al. **Kaku Igaku** 1986 Nov;23(11):1647–55 **(Jpn)**

[Measurement of cytosol estrogen receptor in human breast cancer using 16 alpha-125I-estradiol] Iida Y, et al. **Kaku Igaku** 1987 Mar;24(3):327–33 **(Jpn)**

[Fundamental and clinical study using the osteocalcin RIA kit] Nagai K, et al. **Kaku Igaku** 1987 Apr;24(4):487–96 **(Jpn)**

[Fundamental and clinical evaluation of a CEA immunoradiometric assay using a monoclonal antibody coated tube] Nagata A, et al. **Kaku Igaku** 1986 Jun; 23(6):833–42 **(Jpn)**

[The development of new tumor imaging 99mTc (V)-DMS kit: preparation and labeling condition studies] Yomoda I, et al. **Kaku Igaku** 1987 Jan;24(1):77–82 **(Jpn)**

[Basic evaluation of highly sensitive thyroid stimulating hormone immunoradiometric assay kits] Matsunaga K, et al. **Radioisotopes** 1987 Apr;36(4):190–3 (Eng. Abstr.) **(Jpn)**

[Evaluation and comparison of high-sensitivity immunoradiometric assay kits for thyroid stimulating hormone] Tsukamoto I, et al. **Radioisotopes** 1987 May; 36(5):235–8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on the measurement of beta 2-microglobulin as a tumor marker using the Dainabot beta 2-micro-radioimmunoassay kit] Yoshida K, et al. **Radioisotopes** 1986 Aug;35(8):429–32 **(Jpn)**

[Detection of SOS function induced by chemical mutagens using the umu-test kit] Nakamura S, et al. **Sangyo Igaku** 1986 Sep;28(5):366–7 **(Jpn)**

[Comparative evaluation of the commercial Sevatest ELISA immunoenzyme set and other serological tests for detecting Toxoplasma gondii antibodies] Moroz BV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):60–3 (Eng. Abstr.) **(Rus)**

[Comparison of 2 commercial methods for the determination of beta HCG (radioimmunoassay versus immunoenzyme assay)] Forsbach G, et al. **Ginecol Obstet Mex** 1986 Nov; 54:294–6 (Eng. Abstr.) **(Spa)**

STANDARDS

Performance characteristics of immunoenzymatic allergosorbent testing for total and specific immunoglobulin E. Moss R, et al. **Ann Allergy** 1987 Sep;59(3):185–91

Substrate reagent instability in acid phosphatase assays by the alpha-naphthyl phosphate-coupled diazonium method. Annett RG, et al. **Clin Chem** 1986 Oct;32(10):1980

Four immunoassay methods and standards compared for measuring fibronectin. Brubaker DB, et al. **Clin Chem** 1987 Jan;33(1):126–9

Criteria for evaluating nonquantitative assays: application to serum choriogonadotropin. Delfert DM, et al. **Clin Chem** 1987 Jan;33(1):150–3

Three commercial kits and one liquid-chromatographic method evaluated for determining 25-hydroxyvitamin D3 in serum. Lindbäck B, et al. **Clin Chem** 1987 Jul; 33(7):1226–7

Critical evaluation of a commercial enzyme kit (Sigma) for determining oxalate concentrations in urine. Parkinson IS, et al. **Clin Chem** 1987 Jul;33(7):1203–7

Clinical significance of a low concentration of thyrotropin: five immunometric "kit" assays compared.Piketty ML, et al. **Clin Chem** 1987 Jul;33(7):1237–41

Kodak Ektachem HDL kit evaluated for HDL cholesterol measurements with the DT-60 instrument. Warnick GR, et al. **Clin Chem** 1986 Oct;32(10):1988

Minimizing between-kit variability in immunoassay for carcinoembryonic antigen by use of a common standard. Zucchelli GC, et al. **Clin Chem** 1986 Oct;32(10):1942–3

BM strips: how accurate are they in general wards? Hutchison AS, et al. **Diabetic Med** 1984 Sep;1(3):225–6

A single-strip mini-paper chromatographic method for rapid purity-control of 99mTc-labeled radiopharmaceuticals. Sanada S, et al. **Eur J Nucl Med** 1986;12(8):390–3

Blood donor screening by Wellcome anti-HIV kits [letter] Taylor HL, et al. **Lancet** 1987 Mar 14;1(8533):631–2

Paracetamol analysis: evaluation of a new kit for enzymatic assay. Slater S. **Pathology** 1987 Jan;19(1):77–9

Clinical uses of the leukocyte esterase test. Culhane JK. **Primary Care** 1986 Dec;13(4):679–89

Prototype of a new protamine sulphate titration kit for use in cardiopulmonary bypass surgery. Shipton EA, et al. **S Afr Med J** 1986 Dec 20;70(13):809–11

Evaluation of a new commercial kit (UROBACT) for detection of bacteriuria. Christensen KK, et al. **Scand J Prim Health Care** 1987 May;5(2):113–6

Studies of the sensitivity and reproducibility of commercial kits to detect antibodies to the human immunodeficiency virus. Ujhelyi E, et al. **Transfusion** 1987 Mar–Apr; 27(2):210–2

Microalbutest: a new screening method for detecting microalbuminuria in diabetes mellitus. Schmitz A. **Uremia Invest** 1985–86;9(2):79–84

[Clinical testing of a new blood glucose measuring system. A cooperative study at 8 centers] Rosak C, et al. **Dtsch Med Wochenschr** 1987 Mar 20;112(12):466–70 (Eng. Abstr.) **(Ger)**

[Quantitation of histamine by radioimmunoassay] Mita H, et al. **Arerugi** 1987 Mar;36(3):121–9 (Eng. Abstr.) **(Jpn)**

[Clinical study of the NCC-ST-439 EIA kit using serum from patients with various types of cancer and benign disease (1)] Ohkura H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1901–6 (Eng. Abstr.) **(Jpn)**

[Clinical study of the NCC-ST-439 EIA kit using serum from patients with various types of cancer and benign disease (2)] Ohkura H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1907–12 (Eng. Abstr.) **(Jpn)**

[Evaluation of CA 15-3 radioimmunoassay] Takemori Y, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):114–8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical study of parathyroid hormone kit 'Yamasa'] Fukunaga M, et al. **Kaku Iga'ku** 1987 Mar; 24(3):319–25 **(Jpn)**

[Fundamental and clinical evaluation of the SCC RIA kit] Habuchi Y, et al. **Kaku Igaku** 1986 Jul;23(7):967–72 **(Jpn)**

[Fundamental and clinical evaluation of a high sensitive immunoradiometric assay kit for serum TSH: the TSH MAIA clone kit] Hara H, et al. **Kaku Igaku** 1986 Jul; 23(7):973–80 **(Jpn)**

[Basic and clinical evaluation of RIA-gnost TSH kit as a high sensitive assay method] Hasegawa M, et al. **Kaku Igaku** 1987 Feb;24(2):193–201 **(Jpn)**

[Fundamental and clinical evaluation of immunoradiometric assay for TSH using monoclonal antibodies (Sucrosep)] Iida Y, et al. **Kaku Igaku** 1986 Oct;23(10):1465–71 **(Jpn)**

[Fundamental and clinical evaluation of the sensitive immunoradiometric assay (RIA-gnost hTSH) for TSH] Kasagi K, et al. **Kaku Igaku** 1987 Feb;24(2):203–13 **(Jpn)**

[Clinical experience of a sensitive immunoradiometric thyrotropin assay kit (RIA-gnost hTSH)] Nakamura S, et al. **Kaku Igaku** 1987 Mar;24(3):335–40 **(Jpn)**

[Basic and clinical studies on "ELSA CA 15-3" kit]Sakahara H, et al. **Kaku Igaku** 1986 Oct;23(10):1485–90 **(Jpn)**

[Fundamental and clinical studies on highly sensitive RIA kit for vasopressin in human plasma using a reversed-phase C18 silica column] Yamazaki M, et al. **Kaku Igaku** 1987 Feb;24(2):181–92 **(Jpn)**

[Fundamental studies on an IgM anti-HBc radioimmunoassay kit] Kanamori I, et al. **Radioisotopes** 1986 Jul;35(7):379–82 **(Jpn)**

[A fundamental and clinical study of ferritin 'Eiken' radioimmunoassay kit] Kobayashi Y, et al. **Radioisotopes** 1987 Jan;36(1):28–31 (Eng. Abstr.) **(Jpn)**

[Fundamental studies on thyroid stimulating hormone immunoradiometric assay kit (TSH RIABEAD II)] Muraki H, et al. **Radioisotopes** 1987 Jan;36(1):24–7 (Eng. Abstr.) **(Jpn)**

[Fundamental studies on thyroglobulin 'Eiken' radioimmunoassay kit] Muraki H, et al. **Radioisotopes** 1986 Jun;35(6):325–8 **(Jpn)**

[Evaluation of a radioimmunoassay kit for neuron specific enolase "gamma-enolase Eiken"]Ohkura H, et al. **Rinsho Byori** 1987 Apr;35(4):458–62 **(Jpn)**

UTILIZATION

[The use of kits in the diagnosis of infections] Schaap GJ. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1111–2 **(Dut)**

[Improvement of the assay of serum ferritin using an international standard solution (letter)] Beaumont C, et al. **Ann Biol Clin (Paris)** 1987;45(2):165 **(Fre)**

VETERINARY

Reagent kits for enzyme immunoassays (ELISA) used for the diagnosis of some infectious diseases in animals. **Virologie** 1986 Jul–Sep;37(3):227–30

REAGENT STRIPS

Screening of colour vision defects in diabetic patients. Mäntyjärvi M. **Acta Ophthalmol (Copenh)** 1987 Apr; 65(2):178–84

The detection of leukocyte esterase activity in urine with a new reagent strip. Scheer WD. **Am J Clin Pathol** 1987 Jan;87(1):86–93

Bedside urinary chloride measurement: assessment in the acute setting. Sherman RA, et al. **Am J Emerg Med** 1987 Jan;5(1):52–3

Detection characteristics of a commercially available sulfite detection test (SULFITEST): problems with decreased sensitivity and false negative reactions. Wanderer AA, et al. **Ann Allergy** 1987 Jan;58(1):41–4

Dipstick measurement of alcohol levels in body fluids [letter] Heller MB, et al. **Ann Intern Med** 1987 Feb;106(2):328

Seralyzer reagent-strip system evaluated for measurement of phenobarbital in serum. Burnett D, et al. **Clin Chem** 1987 Jan;33(1):191

The Ames Clinitek 200/Multistix 9 urinalysis method compared with manual and microscopic methods. Grinstead GF, et al. **Clin Chem** 1987 Sep;33(9):1660–2

Two types of error found with the Seralyzer ARIS assay of theophylline [letter] Jenny RW, et al. **Clin Chem** 1986 Nov;32(11):2122–3

Sample contamination by test strips. Rattenbury JM, et al. **Clin Chem** 1987 Mar;33(3):414

Clinical significance of dipstick-negative, sediment-positive urines: two reagent dipsticks compared. Solomon R, et al. **Clin Chem** 1987 Mar;33(3):418

Dopamine influence on whole-blood glucose reagent strips [letter] Keeling AB, et al. **Diabetes Care** 1987 Jul–Aug; 10(4):532

Less expensive, reliable blood glucose self-monitoring. Spraul M, et al. **Diabetes Care** 1987 May–Jun;10(3):357–9

A test strip method for visual and reflectometric reading of blood glucose. Christensen SE, et al. **Diabetic Med** 1985 Jul;2(4):272–3

Stick to the ketosticks [letter] Nielsen GL. **Diabetic Med** 1985 Sep;2(5):410

Evaluation of four modern home blood glucose meters including two memory meters. Petranyi G, et al. **Diabetic Med** 1986 Mar;3(2):187–90

Management of hypertension in high school students by using new salt titrator tape. Tochikubo O, et al. **Hypertension** 1986 Dec;8(12):1164–71

Screening urine specimen populations for normality using different dipsticks: evaluation of parameters influencing sensitivity and specificity. Bank CM, et al. **J Clin Chem Clin Biochem** 1987 May;25(5):299–307

Dipstick analysis for screening of paediatric urine. Boreland PC, et al. **J Clin Pathol** 1986 Dec;39(12):1360–2

A comparative study of a monoclonal immunoassay reagent strip test and high pressure liquid chromatography for theophylline. Drost RH, et al. **J Toxicol Clin Toxicol** 1987; 25(3):231–41

The significance of asymptomatic microhematuria in men 50 or more years old: findings of a home screening study using urinary dipsticks. Messing EM, et al. **J Urol** 1987 May; 137(5):919–22

Glucose stick misuse [letter] Halloran SP, et al. **Lancet** 1986 Sep 20;2(8508):695–6

Questions about dipstick screening [letter] Wolman IJ. **Pediatrics** 1978 Jan;61(1):151–2

Reflotest hypoglycemie—a more sensitive screening method for neonatal hypoglycaemia. Loke HL, et al. **Singapore Med J** 1986 Aug;27(4):321–5

[Stix for screening for bacteriuria] Egebo K, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):906–7 (Eng. Abstr.) **(Dan)**

[Assay of digoxin on dry-reagent strips] Coquelin H, et al. **Pathol Biol (Paris)** 1987 Apr;35(4):417–21 (Eng. Abstr.) **(Fre)**

[Carrier-bound measurement of serum theophylline levels in children] Küster M, et al. **Klin Padiatr** 1987 Mar–Apr; 199(2):108–10 (Eng. Abstr.) **(Ger)**

[Dry chemistry of reagent strips] Colombo JP. **Schweiz Med Wochenschr** 1987 May 30;117(22):833–40 (Eng. Abstr.) **(Ger)**

[Colorimetric characterization and optimization of a comparator for an analytic element in the detection of glucose in blood] Besserdich H, et al. **Z Med Lab Diagn** 1987;28(2):99–103 (Eng. Abstr.) **(Ger)**

[Analysis with solid phase reagent carriers ("dry chemistry"). Experiences, possibilities, limits] Keller H. **Z Med Lab Diagn** 1987;28(4):179–84 **(Ger)**

[Glucosignal—a modern blood sugar test strip for self-control of diabetes and patient diagnosis] Thiele HJ, et al. **Z Med Lab Diagn** 1987;28(1):43–4 **(Ger)**

[Indicator paper for determination of nitrate and nitrite reduction by Neisseria] Ruzal' GI. **Lab Delo** 1987;(2):55–6 (Eng. Abstr.) **(Rus)**

[Colorimetric stability of reactive strips for direct reading of blood glucose. Comparative study of Visidex II and BM test 20/800] Bergua M, et al. **Med Clin (Barc)** 1987 Apr 18;88(15):581–4 (Eng. Abstr.) **(Spa)**

[Value of a reagent strip in the diagnostic orientation of urinary infection] Borrell Carrio F, et al. **Med Clin (Barc)** 1987 Feb 7;88(5):186–8 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Evaluation of a new chemical dip strip for detecting ketonemia in the emergency setting. Belford EM, et al. **Am J Emerg Med** 1987 Sep;5(5):393–4

Applicability of leukocyte esterase test strip in detection of canine pyuria. Vail DM, et al. **J Am Vet Med Assoc** 1986

Dec 1;189(11):1451–3
Evaluation and assessment of new disposable strip for determination of plasma potassium concentration. Gibb I. **J Clin Pathol** 1987 Mar;40(3):298–301
The effect of the haematocrit value on the determination of glucose levels by reagent-strip methods. Barreau PB, et al. **Med J Aust** 1987 Sep 21;147(6):286–8
Strip test is reliable in common prevalences of hypolactasia. Arola H, et al. **Scand J Gastroenterol** 1987 May; 22(4):509–12
[Detection of Bence-Jones proteinuria by urinary reactive strip (letter)] Hemery M, et al. **Presse Med** 1987 Apr 11; 16(13):636–7 **(Fre)**

STANDARDS

Leukocyte esterase activity in human amniotic fluid for the rapid detection of chorioamnionitis. Hoskins IA, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):730–2
New dip-and-read test for determining leukocytes in urine. Skjold AC, et al. **Clin Chem** 1987 Jul;33(7):1242–5
Effect of storage in light and dark on accuracy of blood glucose test strips. Anderson J. **Diabetic Med** 1985 Mar; 2(2):134–6
Accuracy of BM Test Glycemie 20–800 strips [letter] Coppack SW, et al. **Diabetic Med** 1985 Mar;2(2):146
Evaluation of Visidex II--a new strip for blood glucose measurement. Hutchison AS, et al. **Diabetic Med** 1985 Jan; 2(1):33–7
Re.: Blot strips for easy, large-scale immunoblotting [letter] Cohen JH, et al. **J Immunol Methods** 1986 Sep 27;92(2):285

REAGENTS see **INDICATORS AND REAGENTS**

REAGINS see under **ANTIBODIES**

REAL TIME SYSTEMS see **COMPUTER SYSTEMS**

REALITY TESTING see under **EGO**

REC A PROTEIN

Structure of helical RecA-DNA complexes. Complexes formed in the presence of ATP-gamma-S or ATP. Egelman EH, et al. **J Mol Biol** 1986 Oct 20;191(4):677–97
[recA protein] Shibata T. **Tanpakushitsu Kakusan Koso** 1987 Jan;32(1):69–76 (34 ref.) **(Jpn)**

BIOSYNTHESIS

Toxicity, mutagenicity and induction of recA protein in Escherichia coli treated with cis-diamminedichloroplatinum(II) and cis-diammine tetrachloroplatinum(IV). Razaka H, et al. **Chem Biol Interact** 1986 Nov;60(2):207–15
Inhibition of mutation induction and unchanged mutational specificity in Escherichia coli K12 overproducing the RecA protein. Koukalová B, et al. **Folia Microbiol (Praha)** 1987;32(3):194–9

DIAGNOSTIC USE

Rapid plasmid library screening using RecA-coated biotinylated probes. Rigas B, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9591–5

GENETICS

Enzymes of general recombination. Cox MM, et al. **Annu Rev Biochem** 1987;56:229–62 (212 ref.)
Genetic analyses of the roles of umuDC and mucAB in mutagenesis. Marsh L, et al. **Basic Life Sci** 1986;39:251–7
Molecular cloning of a recA-like gene of Methylophilus methylotrophus and identification of its product. Finch PW, et al. **Gene** 1986;44(1):47–53
Escherichia coli K-12 mutants in which viability is dependent on recA function. Clyman J, et al. **J Bacteriol** 1987 Sep; 169(9):4203–10
Molecular cloning and biological characterization of the recA gene from Pseudomonas syringae. Hickman MJ, et al. **J Bacteriol** 1987 Jun;169(6):2906–10
Rec dependence of mu transposition from P22-transduced fragments. Hughes KT, et al. **J Bacteriol** 1987 Jan; 169(1):403–9
Characterization of the Pseudomonas aeruginosa recA analog and its protein product: rec-102 is a mutant allele of the P. aeruginosa PAO recA gene. Kokjohn TA, et al. **J Bacteriol** 1987 Apr;169(4):1499–508
Cloning of the recA gene of Neisseria gonorrhoeae and construction of gonococcal recA mutants. Koomey JM, et al. **J Bacteriol** 1987 Feb;169(2):790–5
Constitutive expression of the SOS response in recA718 mutants of Escherichia coli requires amplification of RecA718 protein. McCall JO, et al. **J Bacteriol** 1987 Feb; 169(2):728–34
Molecular cloning and characterization of the recA gene from the cyanobacterium Synechococcus sp. strain PCC 7002. Murphy RC, et al. **J Bacteriol** 1987 Jun; 169(6):2739–47
Molecular cloning of a recA-like gene from the cyanobacterium Anabaena variabilis. Owttrim GW, et al. **J Bacteriol** 1987 May;169(5):1824–9
ATP-independent renaturation of complementary DNA strands by the mutant recA1 protein from Escherichia coli. Bryant FR, et al. **J Biol Chem** 1986 Oct 5;261(28):12988–93
Frameshift mutagenesis by nitracrine analogues in wild-type, uvrB, polA and recA strains of Salmonella typhimurium, with and without plasmid pKM101. Ferguson LR, et al. **Mutat Res** 1987 Jul;184(1):13–21
Homologous pairing & strand exchange mediated by rec A nucleoprotein filaments & networks. Radding CM. **Prog Clin Biol Res** 1986;218:77–94
[The genetic Rec system of homologous recombination in Escherichia coli] Lantsov VA. **Genetika** 1986 Nov; 22(11):2560–71 (118 ref.) (Eng. Abstr.) **(Rus)**
[Cloning and characteristics of recA gene in Pseudomonas aeruginosa] Zaitsev EN, et al. **Genetika** 1986 Nov; 22(11):2721–7 (Eng. Abstr.) **(Rus)**
[Expression of aminoglycoside phosphotransferase gene is under the control of recA promoter] Kiselev VI, et al. **Mol Biol (Mosk)** 1986 Jul-Aug;20(4):1008–13 (Eng. Abstr.) **(Rus)**
[Significance of rec A-gene activity in altering the ultrastructure of Escherichia coli] Rybal'chenko OV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):11–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Direct ATP photolabeling of Escherichia coli recA proteins: identification of regions required for ATP binding. Banks GR, et al. **Biochemistry** 1986 Oct 7;25(20):5882–9
Kinetic studies of recA protein binding to a fluorescent single-stranded polynucleotide. Chabbert M, et al. **Biochemistry** 1987 Apr 21;26(8):2218–25
Interaction of recA protein with a photoaffinity analogue of ATP, 8-azido-ATP: determination of nucleotide cofactor binding parameters and of the relationship between ATP binding and ATP hydrolysis. Kowalczykowski SC. **Biochemistry** 1986 Oct 7; 25(20):5872–81
Relationship of the physical and enzymatic properties of Escherichia coli recA protein to its strand exchange activity. Roman LJ, et al. **Biochemistry** 1986 Nov 18; 25(23):7375–85
Effects of various single-stranded-DNA-binding proteins on reactions promoted by RecA protein. Egner C, et al. **J Bacteriol** 1987 Aug;169(8):3422–8
recA (Srf) suppression of recF deficiency in the postreplication repair of UV-irradiated Escherichia coli K-12. Wang TC, et al. **J Bacteriol** 1986 Nov;168(2):940–6
Location of functional regions of the Escherichia coli RecA protein by DNA sequence analysis of RecA protease-constitutive mutants. Wang WB, et al. **J Bacteriol** 1986 Nov;168(2):901–10
Left-handed Z-DNA binding by the recA protein of Escherichia coli. Blaho JA, et al. **J Biol Chem** 1987 May 5;262(13):6082–8
recA protein-promoted ATP hydrolysis occurs throughout recA nucleoprotein filaments. Brenner SL, et al. **J Biol Chem** 1987 Mar 25;262(9):4011–6
Transfer of recA protein from one polynucleotide to another. Kinetic evidence for a ternary intermediate during the transfer reaction. Menetski JP, et al. **J Biol Chem** 1987 Feb 15;262(5):2085–92
Transfer of recA protein from one polynucleotide to another. Effect of ATP and determination of the processivity of ATP hydrolysis during transfer. Menetski JP, et al. **J Biol Chem** 1987 Feb 15;262(5):2093–100
recA protein binding to the heteroduplex product of DNA strand exchange. Pugh BF, et al. **J Biol Chem** 1987 Jan 25;262(3):1337–43
Stable binding of recA protein to duplex DNA. Unraveling a paradox. Pugh BF, et al. **J Biol Chem** 1987 Jan 25; 262(3):1326–36
Electron microscopic visualization of the RecA protein-mediated pairing and branch migration phases of DNA strand exchange. Register JC 3d, et al. **J Biol Chem** 1987 Sep 15;262(26):12812–20
Translocation of Escherichia coli recA protein from a single-stranded tail to contiguous duplex DNA. Shaner SL, et al. **J Biol Chem** 1987 Jul 5;262(19):9211–9
The distribution of Escherichia coli recA protein bound to duplex DNA with single-stranded ends. Shaner SL, et al. **J Biol Chem** 1987 Jul 5;262(19):9220–30
Linear dichroism study of RecA-DNA complexes. Structural evidence and binding stoichiometries. Takahashi M, et al. **J Biol Chem** 1987 Jun 15;262(17):8109–11
Lambda repressor inactivation: properties of purified ind- proteins in the autodigestion and RecA-mediated cleavage reactions. Gimble FS, et al. **J Mol Biol** 1986 Nov 5; 192(1):39–47
Effects of Escherichia coli SSB protein on the single-stranded DNA-dependent ATPase activity of Escherichia coli RecA protein. Evidence that SSB protein facilitates the binding of RecA protein to regions of secondary structure within single-stranded DNA. Kowalczykowski SC, et al. **J Mol Biol** 1987 Jan 5; 193(1):97–113
Effects of the Escherichia coli SSB protein on the binding of Escherichia coli RecA protein to single-stranded DNA. Demonstration of competitive binding and the lack of a specific protein-protein interaction. Kowalczykowski SC, et al. **J Mol Biol** 1987 Jan 5;193(1):81–95
Co-operativity value of DNA RecA protein interaction. Influence of the protein quaternary structure on the binding analysis. Takahashi M, et al. **J Mol Biol** 1986 Jun 20; 189(4):711–4
RecA independent recombination of poly[d(GT)-d(CA)] in pBR322. Murphy KE, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7325–40
Ability of RecA protein to promote a search for rare sequences in duplex DNA. Honigberg SM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9586–90
Nucleotide binding by a 24-residue peptide from the RecA protein of Escherichia coli. Knight KL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9289–93
3'homologous free ends are required for stable joint molecule formation by the RecA and single-stranded binding proteins of Escherichia coli. Konforti BB, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):690–4
Properties of the duplex DNA-dependent ATPase activity of Escherichia coli RecA protein and its role in branch migration. Kowalczykowski SC, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3127–31
Inhibition of single and double-stranded DNA-dependent ATPase of RecA protein by ATP ribose-modified analogs. Karasaki Y, et al. **Sangyo Ika Daigaku Zasshi** 1987 Jun 1;9(2):141–7

PHARMACODYNAMICS

The mechanism of the search for homology promoted by recA protein. Facilitated diffusion within nucleoprotein networks. Gonda DK, et al. **J Biol Chem** 1986 Oct 5; 261(28):13087–96
rec-A protein-promoted recombination reaction consists of two independent processes, homologous matching and processive unwinding. A study involving an anti-rec-A protein-monoclonal IgG. Makino O, et al. **J Biol Chem** 1987 Sep 5;262(25):12237–46

PHYSIOLOGY

Roles of RecA protease and recombinase activities of Escherichia coli in spontaneous and UV-induced mutagenesis and in Weigle repair. Tessman ES, et al. **J Bacteriol** 1986 Dec;168(3):1159–64
recA-dependent and recA-independent N-ethyl-N-nitrosourea mutagenesis at a plasmid-encoded herpes simplex virus thymidine kinase gene in Escherichia coli. Eckert KA, et al. **Mutat Res** 1987 May;178(1):1–10
Inhibition of pyrimidine dimer excision in ultraviolet-irradiated Escherichia coli overproducing RecA protein. Sedliaková M, et al. **Mutat Res** 1987 May; 191(1):13–6
RecA-independent mutagenesis in Escherichia coli may be subject to glucose repression. Thomas SM, et al. **Mutat Res** 1987 Sep;180(1):67–73

RECA PROTEIN see **REC A PROTEIN**

RECALL see under **MEMORY**

RECEPTOR AGGREGATION

[Dependence of the redistribution of ligand-receptor complexes in cultured cells on the type of growth and on the cell cycle phase] Khomenko AV, et al. **Tsitologiia** 1986 Jul;28(7):693–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Binding of polycation DEAE-dextran to Chinese hamster ovary cells induces reversible Ca2+ influx and inhibits capping of concanavalin A acceptor proteins. Calderwood SK, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):316–25
Lymphocyte transglutaminase function may be impaired in type 2 diabetes mellitus. Berntorp E, et al. **Diabetes Res** 1987 May;5(1):29–33

RECEPTORS, ACETYLCHOLINE see **RECEPTORS, CHOLINERGIC**

RECEPTORS, ADRENERGIC

Alpha and beta adrenergic and muscarinic cholinergic receptor structure. Venter JC, et al. **Biochem Soc Symp** 1986;52:1–22

ANALYSIS

The distribution of adrenergic receptors in cerebral blood vessels: an autoradiographic study. Nakai K, et al. **Brain Res** 1986 Aug 27;381(1):148–52
Plasma catecholamines and alpha- and beta-adrenoceptors in circulating blood cells in patients on continuous ambulatory peritoneal dialysis. Ratge D, et al. **Clin Nephrol** 1987 Jul;28(1):15–21
Ontogenesis of autonomic receptors and AChE activity in the rat vas deferens. Miranda HF, et al. **Gen Pharmacol** 1987;18(4):425–9
Effects of electroconvulsive shock on noradrenergic and serotonergic receptors in rat brain. Kellar KJ. **Pharmacopsychiatry** 1987 Jan;20(1):30–4 (52 ref.)

DRUG EFFECTS

Comparison between a serotonin and a noradrenaline reuptake blocker in the treatment of depressed outpatients. A cross-over study. Nyström C, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):377–82
Interaction of the pesticide chlordimeform with adrenergic

receptors in mouse brain: an in vitro study. Costa LG, et al. **Arch Toxicol** 1987 Feb;59(5):323–7

A pragmatic approach to the pressor dose–response as an index of vascular reactivity and adrenoceptor function in man. Sumner DJ, et al. **Br J Clin Pharmacol** 1987 May; 23(5):505–10

Electrophysiological evidence for locus coeruleus norepinephrine autoreceptor subsensitivity following subchronic administration of D-amphetamine. Ramirez OA, et al. **Brain Res** 1986 Oct 22;385(2):415–9

The effect of chronic captopril therapy on adrenergic receptors, plasma noradrenaline and the vascular responses to infused noradrenaline. Kondowe GB, et al. **Eur J Clin Pharmacol** 1987;32(3):229–35

The effect of propranolol on exercise induced tachycardia is determined by plasma concentration and the density of adrenergic receptors on leukocytes. Tawara K, et al. **Eur J Clin Pharmacol** 1987;31(6):667–72

Presynaptic inhibition by dihydroergotoxine of the response to peripheral sympathetic nerve stimulation in rats. Roquebert J, et al. **Eur J Pharmacol** 1987 Jun 26; 138(3):433–7

Effects of chronic treatment with benzodiazepine receptor ligands on cortical adrenoceptors. Stanford SC, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):181–4

Effects of TRH on hypothalamic catecholaminergic and serotoninergic neurons. Grosman M, et al. **Gen Pharmacol** 1987;18(4):369–72

Benzodiazepines, plasma MHPG and alpha-2-adrenoceptor function in man. Nutt D, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):151–7

Effects of sodium intake on blood pressure and ...energic vascular reactivity. Mancini M, et al. **J Clin Hypertens** 1986 Dec;2(4):315–21

Receptor alterations associated with serotonergic agents: an autoradiographic analysis. Wamsley JK, et al. **J Clin Psychiatry** 1987 Mar;48 Suppl:19–25

Synthesis and adrenergic activity of ring-fluorinated phenylephrines. Kirk KL, et al. **J Med Chem** 1986 Oct; 29(10):1982–8

In vitro characterization of the adrenoceptor activity of AY-28,925. Rimele TJ, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):1–8

Blockade by cycloheximide of the prepartum changes in membrane activity and adrenergic response of the circular muscle of rat uterus. Maruta K, et al. **Jpn J Physiol** 1986; 36(5):971–83

Pre- and postjunctional adrenoceptor types in the circular muscle of the guinea-pig caecum. Reilly WM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):37–47

Interaction of enantiomers of hydroxy tolazoline with adrenoceptors. Sengupta JN, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):391–6

Viloxazine as a betamimetic antidepressant drug. Bourin M, et al. **Neuropsychobiology** 1987;17(1–2):35–40

Development of adrenergic receptor binding sites in brain regions of the neonatal rat: effects of prenatal or postnatal exposure to methylmercury. Bartolome JV, et al. **Neurotoxicology** 1987 Spring;8(1):1–13

Blood platelet adrenoceptor: aggregatory and antiaggregatory activity of imidazoline drugs. Petrusewicz J, et al. **Pharmacology** 1986;33(5):249–55

Evidence for a possible interaction between noradrenergic and serotonergic neurotransmission in the retrieval of a previously learned aversive habit in mice. Normile HJ, et al. **Psychopharmacology (Berlin)** 1987;92(3):388–92

Norepinephrine as an 'umbrella' neuromodulator. Potter WZ. **Psychosomatics** 1986 Nov;27(11 Suppl):5–9

[Role of cholinergic and adrenergic mechanisms in the action of ketamine and thiopental sodium on the structures of the hippocampal-reticular complex and the neocortex] Mamchur VI. **Farmakol Toksikol** 1987 Jan-Feb;50(1):21–4 (Eng. Abstr.) **(Rus)**

[Adrenomimetics and adrenoreceptor function in bronchial asthma] Zarudii FS, et al. **Farmakol Toksikol** 1986 Nov-Dec;49(6):103–11 (171 ref.) **(Rus)**

[Analysis of the effect of noradrenaline on the response of the vas deferens of the rat to transmural stimulation] Berdysheva LV, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):483–7 (Eng. Abstr.) **(Rus)**

[Adrenoreceptor sensitivity of children with bronchial asthma] Fel'dshtein IaA. **Pediatriia** 1987;(4):33–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of stimulation of muscarinic and of beta-catecholamine receptors on the intracellular distribution of protein kinase C in guinea pig exocrine glands. Machado-de Domenech E, et al. **Biochem J** 1987 Mar 15;242(3):749–54

Effects of adrenalectomy on binding to and actions of adrenergic receptors. el-Refai MF, et al. **Biochem J** 1986 Jul 15;237(2):527–31

Adrenal catecholamine metabolism and myocardial adrenergic receptors in streptozotocin diabetic rats. Bitar MS, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1011–6

Serotonergic, adrenergic and histaminergic receptors coupled to phospholipase C in cultured cerebellar granule cells of rats. Xu J, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2353–8

Adrenergic receptor and catecholamine distribution in rat cerebral cortex: binding studies with [3H]prazosin, [2'-I]idazoxan and [3H]dihydroalprenolol. Diop L, et al. **Brain Res** 1987 Feb 3;402(2):403–8

Quantitative autoradiography of alpha 2 agonist binding sites in the spontaneously hypertensive rat brain. Gehlert DR, et al. **Brain Res** 1987 Apr 21;409(2):308–15

Characteristics of adrenoceptors and [3H]nitrendipine receptors of porcine vascular smooth muscle: differences between coronary artery and aorta. Nishimura J, et al. **Circ Res** 1987 Jun;60(6):837–44

Interactions between catecholamines and their receptors in blood. Ackenheil M, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:119–21

Regulation of adrenergic receptor function by phosphorylation. Lefkowitz RJ, et al. **Curr Top Cell Regul** 1986;28:209–31 (49 ref.)

Correlation between anorectic potency and affinity for hypothalamic (+)-amphetamine binding sites of phenylethylamines. Blosser JC, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):97–103

Binding and effects of catecholestrogens on adenylate cyclase activity, and adrenoceptors, benzodiazepine and GABA receptors in guinea-pig hypothalamic membranes. Etchegoyen GS, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):1–10

Characterization of adrenoceptor mechanisms in isolated guinea-pig uterine arteries. Fallgren B, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):163–70

The role of the diacylglycerol-protein kinase C system in mediating adrenoceptor-prostacyclin synthesis coupling in the rat aorta. Jeremy JY, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):311–6

Adrenergic agonists do not compete with the antagonist (-)3-[125I]iodocyanopindolol for binding to rat pleural or peritoneal mast cell adrenergic receptor. Botana LM. **Gen Pharmacol** 1987;18(3):263–7

Protein kinase C is involved in adrenergic stimulation of pineal cGMP accumulation. Ho AK, et al. **J Biol Chem** 1987 Jul 25;262(21):10059–64

Influence of different bisoprolol doses on hemodynamics, plasma catecholamines, platelet aggregation, and alpha 2- and beta-receptors in hypertensive patients. Kirsten R, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S113–21

Site- and sex-related differences in adrenoreceptor status of human adipose tissue. Leibel RL, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1205–10

Estrogen modulation of uterine adrenergic-cholinergic interaction: effects on vasoactivity and adrenergic receptors in the guinea pig. Garris DR, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):270–8

Metabolism of adrenergic receptors and adenylate cyclase. Bouhelal R, et al. **J Recept Res** 1987;7(1–4):299–320

Regulation of cyclic-AMP synthesis in amphibian melanotrope cells through catecholamine and GABA receptors. Verburg-van Kemenade BM, et al. **Life Sci** 1987 May 11;40(19):1859–67

Vasopressin, angiotensin and adrenergic receptors of rat liver Golgi fractions--molecular weight of the angiotensin-receptor irreversible complex after in vitro and in vivo labelling. Cantau B, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):59–69

Uptake of norepinephrine and related catecholamines by cultured chromaffin cells: characterization of cocaine-sensitive and -insensitive plasma membrane transport sites. Banerjee DK, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1749–53

Beta-adrenergic and muscarinic receptors of parotid gland following maintenance of rats on liquid diet. Schneyer CA, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):102–6

[Essential hypertension and adrenergic receptors] Přikryl P, et al. **Cas Lek Cesk** 1987 May 8;126(19):577–81 (Eng. Abstr.) **(Cze)**

[Metabolic level and the function of the peripheral catecholaminergic systems in immobilization hypothermia in rats] Ivleva VV, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):395–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Total peripheral resistance during cardiac tamponade: adrenergic and angiotensin roles. Cogswell TL, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R916–22

Intrinsic rates and adrenergic responses of atria from rats on sprinting, endurance and walking exercise programmes. Bolter CP, et al. **Aust J Exp Biol Med Sci** 1986 Jun;64 (Pt 3):251–6

The effects of lesions to noradrenergic projections from the locus coeruleus and lateral tegmental cell groups on conditioned taste aversion in the rat. Dunn LT, et al. **Behav Neurosci** 1987 Jun;101(3):409–22

Neurotransmitters and memory: role of cholinergic, serotonergic, and noradrenergic systems. Wenk G, et al. **Behav Neurosci** 1987 Jun;101(3):325–32

Adrenoceptor function in the bovine pulmonary circulation. Greenlees KJ, et al. **Can J Physiol Pharmacol** 1986 Jun; 64(6):689–93

Effects of adrenergic and muscarinic receptor stimulation on serum potassium concentrations and myocardial electrical stability. Hohnloser SH, et al. **Cardiovasc Res** 1986 Dec; 20(12):891–6

Adrenergic and serotonergic receptor responsiveness in depression. Siever LJ, et al. **Ciba Found Symp** 1986; 123:148–63

Adrenergic activity on rat pleural and peritoneal mast cells. Loss of beta-receptors during the purification procedure. Botana LM, et al. **Gen Pharmacol** 1987;18(2):141–8

Adrenoreceptor effects on rat muscle blood flow during treadmill exercise. Laughlin MH, et al. **J Appl Physiol** 1987 Apr;62(4):1465–72

Serotonin-norepinephrine receptor interactions in the brain: implications for the pharmacology and pathophysiology of affective disorders. Sulser F. **J Clin Psychiatry** 1987 Mar; 48 Suppl:12–8

Relationship between milkability and adrenoceptor concentrations in teat tissue in primiparous cows. Roets E, et al. **J Dairy Sci** 1986 Dec;69(12):3120–30

Senescent beagle coronary arteries in response to catecholamines and adrenergic nerve stimulation. Toda N, et al. **J Gerontol** 1987 Mar;42(2):210–8

Ciba-Geigy award for outstanding research. Regulation of adrenergic receptor function by phosphorylation. Lefkowitz RJ, et al. **J Mol Cell Cardiol** 1986 Sep; 18(9):885–95

Involvement of both opiate and catecholaminergic receptors of ventromedial hypothalamus in the locomotor stimulant action of thyrotropin-releasing hormone. Lin LS, et al. **J Neural Transm** 1987;68(3–4):217–25

Adrenoceptor modulated flow through the rabbit ampulloisthmic region studied in vivo and in vitro. Ström C, et al. **J Neural Transm** 1986;66(3–4):209–19

Catecholamine receptors involved in the inhibitory effects of dopamine on vagally stimulated gastric acid secretion and mucosal blood flow in rats. Nishikawa H, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):966–71

Influence of adrenergic receptors on ovarian progesterone secretion in the pseudopregnant cat and oestradiol secretion in the oestrous cat. Wheeler AG, et al. **J Reprod Fertil** 1987 Jan;79(1):195–205

Adrenergic control of serotonin release from carcinoid tumor cells in vitro and in vivo. Grönstad KO, et al. **J Surg Res** 1987 Feb;42(2):141–6

Interaction between adrenergic and cholinergic nerve terminals in the urinary bladder of rabbit, cat and man. Mattiasson A, et al. **J Urol** 1987 May;137(5):1017–9

Adrenergic receptor hyperactivity--a cause for pseudopheochromocytoma? Blum I, et al. **Med Hypotheses** 1987 Jan;22(1):89–96

Evidence for a receptor mediated action of norepinephrine distinct from alpha- and beta-adrenoceptors. Bond RA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):261–6

Changes of adrenergic and muscarinic cholinergic receptors in nasal mucosa in nasal allergy. Konno A, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(2):103–11

Hypothermia: role of alpha 1- and alpha 2-noradrenergic receptors in the hypothalamus of the cat. Myers RD, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):373–9

Molecular and regulatory properties of adrenergic receptors. Lefkowitz RJ, et al. **Recent Prog Horm Res** 1987;43:469–97 (50 ref.)

Regional differences of responses to adrenoceptor agonists in isolated and perfused canine coronary arteries. Nakane T, et al. **Tohoku J Exp Med** 1986 Oct;150(2):145–54

Vasoactive intestinal peptide as a possible transmitter of nonadrenergic, noncholinergic relaxation of pulmonary artery. Kubota E, et al. **Trans Assoc Am Physicians** 1985; 98:233–42

[Adrenergic receptors of the broncho-alveolar system] Remacle P, et al. **Rev Med Brux** 1986 Dec;7(10):594–600 (Eng. Abstr.) **(Fre)**

[Adrenergic receptors of the bronchoalveolar system in the obstructive syndrome] Remacle P, et al. **Rev Pneumol Clin** 1987;43(2):69–74 (Eng. Abstr.) **(Fre)**

[Cardiovascular effects of thyroid hormones. Changes in myocardial adrenoceptors and adrenoceptor-mediated reactions in hypo- and hyperthyroidism] Gross G. **Fortschr Med** 1987 Apr 20;105(11):212–5 (Eng. Abstr.) **(Ger)**

[Regulation of salivary secretion and receptors] Ohshika H. **Nippon Rinsho** 1986 Jul;44(7):1527–33 (20 ref.) **(Jpn)**

[Effect of adaptation to physical loading on the adrenoreactivity of the isolated rat atrium] Chinkin AS, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):23–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the central adrenergic mechanisms regulating arterial pressure in rats with hereditary arterial hypertension] Markel' AL, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):668–70 (Eng. Abstr.) **(Rus)**

[Effect of emotional stress on the contractility, adrenoreactivity and calcium sensitivity of smooth muscles of the portal vein in spontaneously hypertensive rats] Pinelis VG, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):151–4 (Eng. Abstr.) **(Rus)**

[Nature of the correlation of the adrenergic reactions of the heart and coronary vessels in coronary circulatory disorder] Orlova NN. **Farmakol Toksikol** 1987 Mar-Apr; 50(2):97–9 (Eng. Abstr.) **(Rus)**

[Status of various adrenergic reactions of the body of the white rat in experimental hyperthyroidism] Argunova LL. **Fiziol Zh** 1986 Sep-Oct;32(5):584–7 (Eng. Abstr.) **(Rus)**

[Effect of blockade and stimulation of adrenoreceptors on the pumping function of the heart in animals adapted and unadapted to physical loading] Chinkin AS. **Fiziol Zh SSSR** 1987 Mar;73(3):389–95 (Eng. Abstr.) **(Rus)**

[Relation between adrenoreceptor desensitization and their specific sensitivity] Manukhin BN, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1389–93 (Eng. Abstr.) **(Rus)**

[Role of alpha- and beta-adrenoreceptors in the formation of shifts in the vascular function of the intestine during acute cooling of the body] Shabaev RR, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1294–300 (Eng. Abstr.) **(Rus)**

[Regulation of the efficacy of adrenergic synaptic transmission by autoadrenoreceptors in rat brain slices] Bazian AS. **Neirofiziologiia** 1987;19(3):390–9 (Eng. Abstr.) **(Rus)**

[Involvement of catecholamine mechanisms in the activation of the mouse hypophyseal–testicular complex induced by the presence of females] Naumenko EV, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):55–9 (Eng. Abstr.) **(Rus)**

[Role of adrenergic mechanisms in regulating memory engram retrieval and energy metabolism in the brain structures of the rat] Drozdov AL, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):886–91 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Changes in the adrenergic innervation of the myocardium studied by qualitative and quantitative fluorescence methods. Usefulness of neurohistochemical methods in forensic pathology] Balogh I, et al. **Morphol Igazsagugyi Orv Sz** 1987 Apr;27(2):93–8 (Eng. Abstr.) **(Hun)**

RECEPTORS, ADRENERGIC, ALPHA

ANALYSIS

Subtypes and functions of alpha-adrenoceptors. Ruskoaho H. **Acta Vet Scand [Suppl]** 1986;82:17–28

Alpha-adrenergic receptor subtypes in the cerebral circulation of newborn piglets. Wagerle LC, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1092–8

Markers of focal epilepsy [letter] Lesser RP. **Ann Neurol** 1987 Mar;21(3):313–4

Heterogeneity between soluble human and rabbit splenic alpha 2-adrenoceptors. McKernan RM, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3517–23

Noradrenergic regulation of alpha 1-receptors during the postnatal development of the guinea pig. Johnson AE, et al. **Brain Res** 1987 Mar;429(1):67–74

Acute cold-restraint stress affects alpha 2-adrenoceptors in specific brain regions of the rat. Nukina I, et al. **Brain Res** 1987 Jan 13;401(1):30–3

Neonatal 6-hydroxydopamine lesion of spinal noradrenergic terminals: nociception, clonidine analgesia and spinal alpha two adrenoceptors. Pappas BA, et al. **Brain Res Bull** 1987 Feb;18(2):221–5

Hypokalemia modulates alpha- and beta-adrenoceptor bindings in rat skeletal muscle. Hirata A, et al. **Cell Mol Neurobiol** 1986 Sep;6(3):255–62

Dieting and weight loss in volunteers increases the number of alpha 2-adrenoceptors and 5-HT receptors on blood platelets without effect on [3H]imipramine binding. Goodwin GM, et al. **J Affective Disord** 1987 May–Jun; 12(3):267–74

The ontogeny of renal alpha 1- and alpha 2-adrenoceptors in the Dahl rat model of experimental hypertension. McCaughran JA Jr, et al. **J Auton Nerv Syst** 1986 Sep; 17(1):1–20

Human postjunctional alpha-1 and alpha-2 adrenoceptors: differential distribution in arteries of the limbs. Flavahan NA, et al. **J Pharmacol Exp Ther** 1987 May;241(2):361–5

In vivo assessment of rat renal alpha adrenoceptors. Wolff DW, et al. **J Pharmacol Exp Ther** 1987 May;241(2):472–6

Alpha 2-adrenergic receptor levels in obstructive and spastic Raynaud's syndrome. Edwards JM, et al. **J Vasc Surg** 1987 Jan;5(1):38–45

Evaluation of studies on platelet alpha 2 adrenoreceptors in depressive illness. Piletz JE, et al. **Life Sci** 1986 Nov 3; 39(18):1589–616

Neurochemical evidence for two types of presynaptic alpha 2-adrenoceptors. Kapocsi J, et al. **Neurochem Res** 1987 Feb;12(2):141–7

Distribution of neurotransmitter binding sites in the cat median eminence. Seybold VS, et al. **Neuroendocrinology** 1987 Jun;46(1):32–8

Spinal cord alpha 2-adrenoceptors may be located postsynaptically with respect to primary sensory neurons: destruction of primary C-afferents with neonatal capsaicin does not affect the number of [3H]clonidine binding sites in mice. Wikberg JE, et al. **Neurosci Lett** 1987 Apr 23; 76(1):63–8

Intrathecal 6-hydroxydopamine or cervical spinal hemisection reduces norepinephrine content, but not the density of alpha 2-adrenoceptors, in the cat lumbar spinal enlargement. Howe JR, et al. **Neuroscience** 1987 May; 21(2):377–84

The effect of unilateral dorsal root ganglionectomies or ventral rhizotomies on alpha 2-adrenoceptor binding to, and the substance P, enkephalin, and neurotensin content of, the cat lumbar spinal cord. Howe JR, et al. **Neuroscience** 1987 May;21(2):385–94

Effects of REM sleep deprivation on central alpha 1- and beta-adrenoceptors in rat brain. Mogilnicka E, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):329–32

Alpha 2-adrenergic receptors in platelet membranes of depressed patients: increased affinity for 3H-yohimbine. Wolfe N, et al. **Psychiatry Res** 1987 Feb;20(2):107–16

Autoradiographic localisation of alpha 2 adrenoceptor binding sites in the spinal cord of the sheep. Bouchenafa O, et al. **Res Vet Sci** 1987 May;42(3):382–6

[Studies of human renal adrenergic receptors] Shigetomi S, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1145–9 (Eng. Abstr.) **(Jpn)**

BLOOD

Cumulative effects of quinidine and aspirin on bleeding time and platelet alpha 2-adrenoceptors: potential mechanism of bleeding diathesis in patients receiving this combination. Lawson D, et al. **J Lab Clin Med** 1986 Dec;108(6):581–6

CLASSIFICATION

Alpha 2-adrenergic agonist and alpha 1-adrenergic antagonist activity of ergotamine and dihydroergotamine in rats. Roquebert J, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):30–7

Postsynaptic alpha 1- and alpha 2-adrenoceptors in the vascular system of the herring gull, Larus argentatus. Hermansson LE, et al. **Br J Pharmacol** 1986 Nov; 89(3):447–52

DRUG EFFECTS

Effects of N-ethylmaleimide and forskolin on noradrenaline release from rat hippocampal slices. Evidence that prejunctional adenosine and alpha-receptors are linked to N-proteins but not to adenylate cyclase. Fredholm BB, et al. **Acta Physiol Scand** 1987 May;130(1):95–105

Effects of subacute treatment with toluene on cerebrocortical alpha- and beta-adrenergic receptors in the rat. Evidence for an increased number and a reduced affinity of beta-adrenergic receptors. Fuxe K, et al. **Acta Physiol Scand** 1987 Jun;130(2):307–11

In vivo analysis of alpha-adrenoceptors in pial veins of cats. Ulrich K, et al. **Acta Physiol Scand [Suppl]** 1986;552:37–40

Introduction to adrenoceptor pharmacology. Lammintausta R. **Acta Vet Scand [Suppl]** 1986;82:11–6

Effects of alcohol on alpha-adrenergic receptor regulation of calcium ATPase in liver plasma membranes. Gandhi VC, et al. **Alcohol** 1987 Jan–Feb;4(1):25–30

Cardiac alpha-receptors and cardiac hypertrophy in genetic predisposition to hypertension [letter] Böhm M, et al. **Am Heart J** 1986 Dec;112(6):1347–9

Amiloride interacts with renal alpha- and beta-adrenergic receptors. Howard MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F21–5

Altered hepatic vasopressin and alpha 1-adrenergic receptors after chronic endotoxin infusion. Roth BL, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E699–702

Halothane selectively attenuates alpha 2-adrenoceptor mediated vasoconstriction, in vivo and in vitro. Larach DR, et al. **Anesthesiology** 1987 Jun;66(6):781–91

Influence of dihydrolysergic acid amide on serotonergic and alpha-adrenergic receptors in human blood platelets and femoral veins in vitro. Glusa E, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):303–11

Selectivity of raubasine stereoisomers for alpha 1- and alpha 2-adrenoceptors in the rat. Roquebert J. **Arch Int Pharmacodyn Ther** 1986 Aug;282(2):252–61

Study on the anticonvulsant activity of clonidine against pentylenetetrazol-induced seizures in rats: pharmacological evidence of alpha 2-adrenoceptors mediation. Scotti de Carolis A, et al. **Arch Int Pharmacodyn Ther** 1986 Aug; 282(2):209–18

Effect of the amino-oxazoline derivative S-3341 on pre- and postjunctional alpha-adrenoceptors in isolated blood vessels. Verbeuren TJ, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):38–52

The effect of urapidil on cardiac alpha- and beta-adrenoceptors. Schümann HJ, et al. **Arzneimittelforschung** 1986 Oct;36(10):1471–6

Differential interactions of "prosexual" drugs with 5-hydroxytryptamine1A and alpha 2-adrenergic receptors. Kwong LL, et al. **Behav Neurosci** 1986 Oct;100(5):664–8

Plasma immunoreactive atrial natriuretic factor (IR-ANF) increases markedly after alpha 2-adrenergic stimulation with clonidine in normally-hydrated rats. Baranowska B, et al. **Biochem Biophys Res Commun** 1987 Feb 27; 143(1):159–63

Ethanol inhibits dual receptor stimulation of pineal cAMP and cGMP by vasoactive intestinal peptide and phenylephrine. Chik CL, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):145–51

Inhibition of alpha 1-adrenergic responsiveness in intact cells by a new, irreversible receptor antagonist. Helman J, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):403–9

Alpha-adrenoceptor-mediated actions of optical isomers and desoxy analogs of catecholimidazoline and norepinephrine in human platelets: in vitro. Ahn CH, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4095–102

Chemical modification of alpha 2-adrenoceptors. Possible role for tyrosine in the ligand binding site. Nakata H, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4089–94

Evidence that locus coeruleus is the site where clonidine and drugs acting at alpha 1- and alpha 2-adrenoceptors affect sleep and arousal mechanisms. De Sarro GB, et al. **Br J Pharmacol** 1987 Apr;90(4):675–85

The use of neurally released agonist in the measurement of antagonism at alpha-adrenoceptors. French AM, et al. **Br J Pharmacol** 1983 Dec;80(4):655–61

Activation and desensitization of presynaptic alpha 2-adrenoceptors after inhibition of neuronal uptake by antidepressant drugs in the rat vas deferens. García-Sevilla JA, et al. **Br J Pharmacol** 1986 Dec;89(4):673–83

Stimulation of alpha 1-adrenoceptors in rat kidney mediates increased inositol phospholipid hydrolysis. Neylon CB, et al. **Br J Pharmacol** 1987 Jun;91(2):367–76

Selective increase of alpha 1-adrenoceptors and muscarinic cholinergic receptors in rat cerebral cortex after chronic haloperidol. Pazo JH, et al. **Brain Res** 1987 Jun 30; 414(2):405–8

Dissociation of locomotor impairment from mydriasis evoked by clonidine injected into cat's rostral hypothalamus. Beleslin DB, et al. **Brain Res Bull** 1986 Sep;17(3):379–85

Postsynaptic alpha-adrenoceptor characterization and Ca2+ channel antagonist and activator actions in rat tail arteries from normotensive and hypertensive animals. Su CM, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):909–21

A comparison of the beta-adrenoceptor agonist potency of labetalol with those of sympathomimetic drugs, and the role of alpha-receptors in pharmacological actions of these drugs on tracheal smooth muscles in guinea pigs. Kameda H, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4797–804

Neuroendocrine and other studies of the mechanism of antidepressant action of desipramine. Checkley SA, et al. **Ciba Found Symp** 1986;123:126–47

Inhibitors of protein kinase C block the alpha 1-adrenergic refractoriness induced by phorbol 12-myristate 13-acetate, vasopressin and angiotensin II. García-Sáinz JA, et al. **Eur J Biochem** 1987 Mar 2;163(2):417–21

Vascular alpha-adrenoceptor blockade by E. coli endotoxin in the rat. Auclair MC, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):121–4

Newly synthesized noradrenaline mediates the alpha 2-adrenoceptor inhibition of [3H]5-hydroxytryptamine release induced by beta-phenylethylamine in rat hippocampal slices. Benkirane S, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):189–98

The action of procainamide and quinidine on the alpha 1-receptor-operated channels in smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):233–9

Modification of alpha 1-receptor-operated channels by mebeverine in smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):367–74

Characterization of post-junctional alpha-adrenoceptors in the rat isolated perfused femoral artery. Dyke AC, et al. **Eur J Pharmacol** 1987 May 7;137(1):15–23

Modulation of agonist and antagonist interactions at kidney alpha 1-adrenoceptors by nucleotides and metal ions. Ernsberger P, et al. **Eur J Pharmacol** 1987 Jan 13; 133(2):165–76

Chronic clonidine treatment produces desensitisation of post- but not presynaptic alpha 2-adrenoceptors. Finberg JP, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):95–100

Chronic steroid contraceptive treatment decreases renal alpha-adrenoceptor levels in the rat. Geraghty DP, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):225–33

Changes in rabbit platelet alpha and beta adrenoceptor number and platelet aggregation. Hamilton CA, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):145–9

Further evaluation of the selectivity of a novel antihypertensive agent, SGB-1534, for peripheral alpha 1-adrenoceptors in the spinally anesthetized dog. Imagawa J, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):257–64

Effects of nicardipine and diltiazem on alpha-adrenoceptor responses in canine saphenous veins. Jayakody RL, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):269–77

Pre- and postjunctional alpha-adrenoceptor-mediated effects of prazosin, methoxamine and 6-fluoronoradrenaline in blood-perfused canine skeletal muscle in situ. Kahan T, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):9–20

Interaction between beta 2- and alpha 2-adrenoceptor responses in the vascular system: effect of clenbuterol. Kazanietz MG, et al. **Eur J Pharmacol** 1986 Oct 14; 130(1–2):119–24

The effects of adenosine on receptor sensitivity in the rat vas deferens. Long CJ, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):11–9

Further validation of in vivo and in vitro pharmacological procedures for assessing the alpha 2/alpha 1-selectivity of test compounds: (2). Alpha-adrenoceptor agonists. Megens AA, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):57–64

Further validation of in vivo and in vitro pharmacological procedures for assessing the alpha 2/alpha 1-selectivity of test compounds: (1). Alpha-adrenoceptor antagonists. Megens AA, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):49–55

The relationship between alterations in alpha 1-adrenoceptor reserve by phenoxybenzamine and benextramine and the sensitivity of cirazoline-induced pressor responses to inhibition by nifedipine. Nichols AJ, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):297–301

Long-term adrenergic beta-action decreases and alpha-action enhances corticosterone levels in rats. Porta

S, et al. **Exp Pathol** 1987;31(1):59–61

Actions of 4-(2-hydroxy-3-[(1-methyl-3-phenylpropyl)= amino]propoxy) benzeneacetamide (KF4317) and labetalol on alpha- and beta-adrenoceptors. Takayanagi I, et al. **Gen Pharmacol** 1986;17(6):651–3

Prazosin-induced alterations in renal alpha-adrenergic receptor function. Jeffries WB, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III125–9

Nifedipine antagonizes alpha-adrenoceptor mediated splanchnic and systemic vasoconstriction in man. Gasic S, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul; 25(7):382–8

Competitive interaction of amiloride and verapamil with alpha 1-adrenoceptors in vascular smooth muscle. Bhalla RC, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct; 8(5):927–32

Pre- and postsynaptic effects of indoramin on sympathetic neuroeffector transmission in rabbit aorta and pulmonary artery. Nedergaard OA. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):1020–7

Is the glycogenolytic effect of clonidine mediated by alpha 2-adrenergic receptors? [letter] Hsu WH. **J Endocrinol Invest** 1986 Aug;9(4):349–50

Up-regulation of alpha 2 adrenocceptors and down-regulation of beta 2 adrenoceptors by high-salt diet in normotensive men: enhanced up-regulation of operative (alpha 2:beta 2) adrenoceptor ratio predicts salt sensitivity. Skrabal F, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S196–9

Berbanes: a new class of selective alpha 2-adrenoceptor antagonists. Vizi ES, et al. **J Med Chem** 1987 Aug; 30(8):1355–9

Synthesis and antidepressant properties of novel 2-substituted 4,5-dihydro-1H-imidazole derivatives. Wentland MP, et al. **J Med Chem** 1987 Aug;30(8):1482–9

Noradrenaline-stimulated inositol phospholipid breakdown as a measure of alpha 1-adrenoceptor function in rat hippocampal miniprisms after repeated antidepressant treatment. Fowler CJ, et al. **J Neural Transm** 1986; 66(3–4):197–208

Effects of antidepressant drug treatments on alpha 2-adrenoceptor control of [3H]noradrenaline release from hypothalamic synaptosomes. McWilliam JR, et al. **J Neurochem** 1987 Jul;49(1):163–8

Adrenergic receptor subtype activation by (+)-, (-)- and (+/-)-norephedrine in the pithed rat. Moya-Huff FA, et al. **J Pharm Pharmacol** 1987 Feb;39(2):108–12

Evidence for central alpha2-adrenergic mechanism of clonidine-induced ejaculatory disturbance in dogs. Yonezawa A, et al. **J Pharmacobiodyn** 1986 Dec; 9(12):1032–5

Alpha adrenergic responses of blood vessels of rabbits after ovariectomy and administration of 17 beta-estradiol. Gisclard V, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):466–70

Receptors for 5-hydroxytryptamine in rabbit blood vessels: activation of alpha adrenoceptors in rabbit thoracic aorta. Purdy RE, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):535–41

Examination of cardiac alpha-adrenoceptors from pharmacological responses and radioligand binding. Comparison of rat and guinea pig tissues. Chess-Williams RG, et al. **J Pharmacol Methods** 1987 Sep;18(2):111–22

Ketanserin interaction with urethral alpha-adrenoceptors [published erratum appears in J Urol 1987 May;137(5):1060] Andersson KE, et al. **J Urol** 1987 Mar;137(3):534–8

Enhancement of [3H]clonidine binding to rat cerebral synaptic membranes by treatment with arachidonic acid, prostaglandin (PG) D2, PGE2 and PGF2 alpha. Kitamura Y, et al. **Jpn J Pharmacol** 1986 Oct;42(2):321–4

Comparison of agonistic and antagonistic actions of guanabenz and guanfacin on alpha 1 and alpha 2-adrenoceptors in isolated smooth muscles. Takeuchi K, et al. **Jpn J Pharmacol** 1987 Mar;43(3):267–75

Effects of DJ-7141, a new peripherally acting alpha-2 adrenoceptor agonist, on blood pressure and gastric acid output in rats: evidence for the heterogeneity of alpha-2 adrenoceptors in different organs. Yokotani K, et al. **Jpn J Pharmacol** 1987 Apr;43(4):415–22

Growth hormone responses to clonidine and GRF in spontaneously hypertensive rats: neuroendocrine evidence for an enhanced responsiveness of brain alpha 2-adrenoceptors in genetical hypertension. Eriksson E, et al. **Life Sci** 1986 Dec 1;39(22):2103–9

Direct evidence for the interaction between papaverine and alpha 2-adrenergic receptors in canine platelets. O'Hara N, et al. **Life Sci** 1987 Mar 30;40(13):1301–8

Compounds acting on alpha 1- and alpha 2- adrenoceptors: agonists and antagonists. Vizi ES. **Med Res Rev** 1986 Oct-Dec;6(4):431–49 (121 ref.)

Comparison of agonist-induced changes in beta- and alpha 1-adrenergic receptors of DDT1 MF-2 cells. Toews ML. **Mol Pharmacol** 1987 Jan;31(1):58–68

Increased sensitivity to alpha-adrenoceptor stimulation but intact purinergic and muscarinergic effects in prehypertensive cardiac hypertrophy of spontaneously hypertensive rats. Böhm M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):284–9

Alpha 2-adrenoceptor-mediated responses to so-called selective alpha 1-adrenoceptor agonists after partial blockade of alpha 1-adrenoceptors. Guimarães S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):397–402

Possible involvement of presynaptic alpha 1-adrenoceptors in the effects of idazoxan and prazosin on 3H-noradrenaline release from tail arteries of SHR. Hicks PE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):354–61

Pharmacological characteriza..on of the postsynaptic alpha-adrenoceptors in isolated canine mesenteric arteries and veins. Itoh H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):44–9

Interactions of MEN 935 (adimolol), a long acting beta- and alpha-adrenolytic antihypertensive agent, with postsynaptic alpha-adrenoceptors in different isolated blood vessels--influence of angiotensin II. Palluk R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):277–83

Sympathetic denervation and alpha adrenoceptors in dog cerebral arteries. Tsukahara T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):436–43

Studies on alpha adrenoceptors in guinea-pig peripheral lung strips. Turner AJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):269–73

Presynaptic effects of scopolamine, oxotremorine, noradrenaline and morphine on [3H]acetylcholine release from the myenteric plexus at different stimulation frequencies and calcium concentrations. Wessler I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):597–604

Effect of perinatal exposure to methadone on brain opioid and alpha 2-adrenergic receptors. Wang C, et al. **Neurobehav Toxicol Teratol** 1986 Jul–Aug;8(4):399–402

Noradrenaline, by activation of alpha-1-adrenoceptors in the region of the supraoptic nucleus, causes secretion of vasopressin in the unanaesthetized rat. Willoughby JO, et al. **Neuroendocrinology** 1987 Mar;45(3):219–26

The effects of intracerebroventricular injection of clonidine on conditioned pressor and adrenergic responses in rats. Hubbard JW, et al. **Neuropharmacology** 1986 Sep; 25(9):963–72

Plasma immunoreactive atrial natriuretic factor is inhibited by selective blockade of alpha 2-adrenergic receptors in conscious Sprague-Dawley rats. Baranowska B, et al. **Neurosci Lett** 1987 Apr 23;76(1):119–23

Antagonist effects of the enantiomers of 3-PPP towards alpha 1-adrenoceptors coupled to inositol phospholipid breakdown in the rat cerebral cortex. Fowler CJ, et al. **Pharmacol Toxicol** 1987 May;60(5):389–92

8-Bromo cyclic guanosine monophosphate mimics the actions of nitroglycerin on alpha-adrenergic mechanisms in canine saphenous vein. Eskinder H, et al. **Pharmacology** 1987;35(1):16–23

Interaction of dopamine, (+/-)-dobutamine and the (-)-enantiomer of dobutamine with alpha- and beta-adrenoceptors in the pulmonary circulation of the dog. Shebuski RJ, et al. **Pharmacology** 1987;34(4):201–12

Role of central alpha 2-adrenoceptors on the development of muricidal behavior in olfactory bulbectomized rats: effect of alpha 2-adrenoceptor antagonists. Hong KW, et al. **Physiol Behav** 1987;39(4):535–9

Interaction between beta-adrenoceptor agonists and alpha 1-adrenergic system. A behavioral study with the clonidine-induced aggression test. Mogilnicka E, et al. **Pol J Pharmacol Pharm** 1986 Sep–Dec;38(5–6):529–34

Lithium decreases 5-HT1A and 5-HT2 receptor and alpha 2-adrenoceptor mediated function in mice. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1986;90(4):482–7

Modulatory effect of alpha 2 adrenoceptor agonists on Ro 5-4864-induced convulsions in rats and mice. Kunchandy J, et al. **Psychopharmacology (Berlin)** 1987;93(1):113–7

Increased central alpha 2-adrenoceptor sensitivity in panic disorder. Nutt DJ. **Psychopharmacology (Berlin)** 1986; 90(2):268–9

The effect of clonidine on plasma MHPG: evidence against tonic alpha 2-adrenoceptor control of noradrenergic function. Nutt DJ, et al. **Psychopharmacology (Berlin)** 1986; 90(4):509–12

Evaluation of alpha-adrenergic cardiac stimulation in anesthetized dogs: can this play a role in propranolol insensitive cardiostimulatory effects of celiprolol. Jolly SR, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):339–54

Papaverine inhibits binding of [3H]-prazosin and [3H]-yohimbine to rat renal cortical membranes. O'Hara N, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):157–71

Adrenergic agonists protect against soman, an irreversible acetylcholinesterase inhibitor. Buccafusco JJ, et al. **Toxicol Lett** 1987 Sep;38(1–2):67–76

Prenatal exposure to methylmercury alters development of adrenergic receptor binding sites in peripheral sympathetic target tissues. Slotkin TA, et al. **Toxicol Lett** 1987 Feb; 35(2–3):285–95

[Effect of higenamine on alpha-adrenoceptors] Feng YP, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):208–11 (Eng. Abstr.) **(Chi)**

[Blocking action of berberine on alpha 2 and alpha 1 adrenoceptors in the rat vas deferens and anococcygeus muscle] Yao WX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):511–5 (Eng. Abstr.) **(Chi)**

[Effects of xinchuanling (XC-1) and its derivative XC-2 on adrenoceptors and arterial muscle] Sun YD, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):81–6 (Eng. Abstr.) **(Chi)**

[Hypotensive effect of ketanserin and evaluation of its alpha-blocking activity] Casiglia E, et al. **Cardiologia** 1986 Sep;31(9):709–14 (Eng. Abstr.) **(Ita)**

[Desensitization of alpha-adrenoreceptors of the small intestine of the rat] Manukhin BN, et al. **Fiziol Zh SSSR** 1986 Aug;72(8):1125–30 (Eng. Abstr.) **(Rus)**

[Role of adrenoreception in achieving protective reaction to plasmin in the bodies of mammals] Kalishevskaia TM, et al. **Patol Fiziol Eksp Ter** 1986 Jul–Aug;(4):56–61 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification of the alpha 2-adrenergic receptor from porcine brain using a yohimbine-agarose affinity matrix. Repaske MG, et al. **J Biol Chem** 1987 Sep 5;262(25):12381–6

METABOLISM

Guanine nucleotides regulate both agonist and antagonist binding to cod brain alpha 1-adrenoceptors. Bergström A, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct; 59(4):270–8

Study of platelet alpha 2-adrenoceptors in Parkinson's disease. Montastruc JL, et al. **Adv Neurol** 1987;45:253–8

Spare receptors, partial agonists, and ternary complex model of drug action. Homer LD, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 1):E114–21

Two renal alpha 2-adrenergic receptor sites revealed by p-aminoclonidine binding. Sripanidkulchai B, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F283–90

Metabolism of alpha- and beta-adrenergic receptors in vitro and in vivo. Mahan LC, et al. **Annu Rev Pharmacol Toxicol** 1987;27:215–35 (76 ref.)

Alterations of myocardial alpha 1-adrenergic receptors in hypertensive cardiac hypertrophy in the rat. Hanna MK, et al. **Arch Int Pharmacodyn Ther** 1986 Sep;283(1):80–93

Serum creatine kinase release and alpha- and beta-adrenergic receptors. Jingu Y, et al. **Arch Int Pharmacodyn Ther** 1986 Aug;282(2):262–75

Radioligand binding studies of postsynaptic alpha 1-adrenoceptors in the rabbit iris dilators. Konno F, et al. **Arch Int Pharmacodyn Ther** 1987 May;287(1):5–15

Transmembrane receptor cross-talk: concurrent VIP and alpha 1-adrenergic activation rapidly elevates pinealocyte cGMP greater than 100-fold. Ho AK, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1478–84

Effect of a high carbohydrate diet on cardiac alpha-1 and beta adrenoceptors. Limas CJ, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):238–43

Dopamine binding to the alpha receptor in pregnant rabbit myometrium. Phillippe M, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):947–52

Heterogeneous properties of alpha 2 adrenoceptors in particulate and soluble preparations of human platelet and rat and rabbit kidney. Cheung YD, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3767–75

Characterization of alpha 2-adrenergic receptors of calf retina membranes by [3H]-rauwolscine and [3H]-RX 781094 binding. Convents A, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2497–503

Differential effects of chymotrypsin on magnesium, sodium, and guanine nucleotide regulation of alpha 2-adrenoreceptors of human platelets. Periyasamy S, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3086–8

Agonist interactions at hepatic alpha 1- and beta-adrenergic receptors: affinity-state regulation by guanine nucleotides and temperature. Schwarz KR, et al. **Biochemistry** 1986 Nov 18;25(23):7782–8

Subcellular distribution of alpha 1-adrenergic receptors in rat liver. Engfeldt P, et al. **Biochim Biophys Acta** 1987 May 18;928(3):349–55

Two subpopulations of alpha 1-adrenergic receptors with high and low affinity for agonists: short-term exposure to agonists reduced the high-affinity sites. Fratelli M, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):87–96

Insulin-like effect of epidermal growth factor in isolated rat hepatocytes. Modulation of the alpha-1-adrenergic stimulation of ureagenesis. Garcia-Sáinz JA, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):266–9

The determination of alpha-adrenergic receptor concentration on rat pancreatic islet cells. Fyles JM, et al. **Biosci Rep** 1987 Jan;7(1):17–22

Platelet alpha-adrenoceptors--a valid model for brain or vascular adrenoceptors? Hamilton CA, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):623–6 (47 ref.)

Platelet alpha 2-adrenoceptor binding does not predict brain alpha 2-adrenoceptor function. Nutt DJ. **Br J Clin Pharmacol** 1987 Jul;24(1):122–3

Postnatal development of [3H]yohimbine binding in the olfactory bulb of male and female rats. Battie CN. **Brain Res** 1986 Nov;395(1):129–32

Relationships between medial hypothalamic alpha 2-receptor binding, norepinephrine, and circulating glucose. Chafetz MD, et al. **Brain Res** 1986 Oct 8;384(2):404–8

The development of alpha 2-adrenoceptors in the rat kidney: correlation with noradrenergic innervation. Sripanidkulchai B, et al. **Brain Res** 1987 Jan 1;400(1):91–100

Alpha 2-adrenergic receptors mediate inhibition of cyclic AMP production in neurons in primary culture. Weiss S, et al. **Brain Res** 1987 Jun 30;414(2):390–4

Platelet radioligand binding and neuroendocrine challenge tests in depression. Horton RW, et al. **Ciba Found Symp** 1986;123:84–105

Postjunctional vascular smooth muscle alpha-2 adrenoreceptors in human autonomic failure. Onrot J, et al. **Clin Invest Med** 1987 Jan;10(1):26–31

Alpha 1-adrenergic receptors in the adult, neonatal, and fetal canine heart. Buchthal SD, et al. **Dev Pharmacol Ther** 1987; 10(2):90–9

Alpha 1-adrenergic receptors in the neural lobe of the rat pituitary: autoradiographic identification and localization. De Souza EB, et al. **Endocrinology** 1987 Jun;120(6):2227–33

Rabbit myometrial oxytocin and alpha 2-adrenergic receptors are increased by estrogen but are differentially regulated by progesterone. Jacobson L, et al. **Endocrinology** 1987 Mar;120(3):1184–9

Postsynaptic alpha 1- and alpha 2-adrenoceptors in human blood vessels: interactions with exogenous and endogenous catecholamines. Jie K, et al. **Eur J Clin Invest** 1987 Apr; 17(2):174–81

Heterogeneous distribution of beta and alpha-2 adrenoceptor binding sites in human fat cells from various fat deposits: functional consequences. Mauriege P, et al. **Eur J Clin Invest** 1987 Apr;17(2):156–65

Increased alpha 2- but similar beta-adrenergic receptor activities in subcutaneous gluteal adipocytes from females compared with males. Richelsen B. **Eur J Clin Invest** 1986 Aug;16(4):302–9

Differences between central and peripheral rat alpha-adrenoceptors revealed using binuclear ligands. Adams A, et al. **Eur J Pharmacol** 1986 Aug 7; 127(1-2):27–35

Autoradiographic localization of alpha-adrenoceptors, muscarinic acetylcholine receptors and opiate receptors in the heart. Dashwood MR, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):279–82

Clonidine binds to imidazole binding sites as well as alpha 2-adrenoceptors in the ventrolateral medulla. Ernsberger P, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):1–13

Characterization of alpha 1-adrenoceptors which increase cyclic AMP accumulation in rat cerebral cortex. Johnson RD, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):293–305

Calcium translocation during activation of alpha 1-adrenoceptor and voltage-operated channels in smooth muscle cells. Nelemans A, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):39–46

Platelet high affinity adrenoceptor binding sites labelled with the agonist [3H]UK-14,304, in depressed patients and matched controls. Theodorou AE, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):329–32

Agonist-induced alpha 1-adrenergic receptor changes. Evidence for receptor sequestration. Fratelli M, et al. **FEBS Lett** 1987 Feb 9;212(1):149–53

Increase of alpha 2-presynaptic adrenoceptor response after neuronal uptake inhibition in vivo. Viola MS, et al. **Gen Pharmacol** 1986;17(5):589–92

Platelet binding studies in panic disorder. Nutt DJ, et al. **J Affective Disord** 1987 Jan-Feb;12(1):7–11

Regulation of adrenergic receptor function by phosphorylation. II. Effects of agonist occupancy on phosphorylation of alpha 1- and beta 2-adrenergic receptors by protein kinase C and the cyclic AMP-dependent protein kinase. Bouvier M, et al. **J Biol Chem** 1987 Mar 5;262(7):3106–13

Alpha 2-adrenergic receptors accelerate Na+/H+ exchange in neuroblastoma X glioma cells. Isom LL, et al. **J Biol Chem** 1987 May 15;262(14):6750–7

Regulation of adrenergic receptor function by phosphorylation. I. Agonist-promoted desensitization and phosphorylation of alpha 1-adrenergic receptors coupled to inositol phospholipid metabolism in DDT1 MF-2 smooth muscle cells. Leeb-Lundberg LM, et al. **J Biol Chem** 1987 Mar 5;262(7):3098–105

Regulation of porcine brain alpha 2-adrenergic receptors by Na+,H+ and inhibitors of Na+/H+ exchange. Nunnari JM, et al. **J Biol Chem** 1987 Sep 5;262(25):12387–92

Vascular smooth muscle: availability of calcium through alpha-adrenoceptor stimulation. Haeusler G, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S107–10

Functional uncoupling of the platelet alpha 2-adrenergic receptor-adenylate cyclase complex in the elderly. Supiano MA, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1160–4

Central alpha-adrenoceptors during the development of hypertension in rats on high and low salt intake. Bresnahan MR, et al. **J Hypertens** 1986 Dec;4(6):719–26

Existence of renal alpha 1- and alpha 2-adrenoceptors in the human kidney: radioligand binding study in membranes from the human renal cortex and medulla. Umemura S, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S222–5

Conformationally defined adrenergic agents. 4. 1-(aminomethyl)phthalans: synthesis and pharmacological consequences of the phthalan ring oxygen atom. DeBernardis JF, et al. **J Med Chem** 1987 Jan;30(1):178–84

Radioiodinated p-iodoclonidine: a high-affinity probe for the alpha 2-adrenergic receptor. Van Dort M, et al. **J Med Chem** 1987 Jul;30(7):1241–4

Alpha-1 and alpha-2 adrenoceptor binding in cerebral cortex: competition studies with [3H]prazosin and [3H]idazoxan. Reader TA, et al. **J Neural Transm** 1987; 68(1-2):79–95

[3H] UK-14,304, a new agonist ligand of alpha 2-adrenoceptors: a comparative study with human and rat tissue. Rommelspacher H, et al. **J Neural Transm** 1987; 69(1-2):85–96

Agonist-induced regulation of adrenoceptor subtypes in cerebral cortical slices. Nukina I, et al. **J Neurochem** 1987 Aug;49(2):389–92

Synergistic action of postsynaptic alpha-adrenergic receptor stimulation on vasoactive intestinal polypeptide-induced increases in pineal N-acetyltransferase activity. Yuwiler A. **J Neurochem** 1987 Sep;49(3):806–11

Platelet functions, alpha 2-adrenergic receptors and cytoplasmic free calcium are normal in the myotonic dystrophy of Steinert. Lanza F, et al. **J Neurol Sci** 1987 Jun;79(1-2):13–22

Evidence for spare alpha 1-adrenoceptors for the accumulation of inositol phosphates in smooth muscle. Fox AW, et al. **J Pharm Pharmacol** 1987 Jan;39(1):68–71

Pharmacological characterization of the postsynaptic alpha-adrenoceptors in human uterine artery. Ribeiro CA, et al. **J Pharm Pharmacol** 1986 Aug;38(8):600–5

Effect of clomipramine treatment on dog platelet alpha 2-adrenergic receptivity. Villeneuve A, et al. **J Pharmacol** 1986 Oct-Dec;17(4):644–50

Alpha-1 adrenergic receptor binding and contraction of rat caudal artery. Abel PW, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):678–86

Receptor reserve at the alpha-2 adrenergic receptor in the rat cerebral cortex. Adler CH, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):508–15

Pharmacological evidence for alpha-2 adrenoceptor heterogeneity: differential binding properties of [3H]rauwolscine and [3H]idazoxan in rat brain. Boyajian CL, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1092–8

Anatomical evidence for alpha-2 adrenoceptor heterogeneity: differential autoradiographic distributions of [3H]rauwolscine and [3H]idazoxan in rat brain. Boyajian CL, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1079–91

Relationship between phosphatidylinositol turnover and Ca++ mobilization induced by alpha-1 adrenoceptor stimulation in the rat aorta. Chiu AT, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):123–7

Presynaptic alpha-2 adrenoceptors play a major role in the effects of idazoxan on cortical noradrenaline release (as measured by in vivo dialysis) in the rat. Dennis T, et al. **J Pharmacol Exp Ther** 1987 May;241(2):642–9

Alpha-2 receptors mediate an endogenous noradrenergic suppression of kindling development. Gellman RL, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):891–8

Alpha-1 adrenergic receptor binding in aortas from rat and dog: comparison of [3H]prazosin and beta-iodo-[125I]-4-hydroxyphenyl-ethyl-aminomethyl-tetralone. Jones SB, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):875–81

Variation in sensitivity of alpha adrenoceptor-mediated contraction of the vascular smooth muscle of rabbit elastic and muscular arteries is related to receptor affinity. Oriowo MA, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):239–44

Evidence implicating alpha-2 adrenergic receptors in the anticonvulsant action of intranigral muscimol. Platt K, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):751–4

Asymmetric catecholimidazolines and catecholamidines: affinity and efficacy relationships at the alpha adrenoreceptor in rat aorta. Rice PJ, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):121–30

Rabbit myometrial adrenergic sensitivity is increased by estrogen but is independent of changes in alpha adrenoceptor concentration. Riemer RK, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):44–50

Tissue-dependent alpha adrenoceptor activity of buspirone and related compounds. Rimele TJ, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):771–8

Comparison of the alpha adrenoceptor activity of dopamine, ibopamine and epinine in the pulmonary circulation of the dog. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1987 Apr; 241(1):6–12

Characterization of the alpha-1 adrenergic receptors in the thoracic aorta of control and aldosterone hypertensive rats: correlation of radioligand binding with potassium efflux and contraction. Smith JM, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):882–90

Alpha-1 adrenergic coupling events induced by full and partial agonists in rabbit aorta. Wick PF, et al. **J Pharmacol Exp Ther** 1987 May;241(2):458–64

Effects of noradrenergic denervation on alpha-1 adrenoceptors and receptor-stimulated contraction of chick expansor secundariorum muscle. Williams K, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):939–49

Alpha-1 adrenoceptors in human prostate: characterization and alteration in benign prostatic hypertrophy. Yamada S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):326–30

Platelet alpha 2-adrenoceptor binding and function during the menstrual cycle. Theodorou AE, et al. **J Psychiatr Res** 1987;21(2):163–9

Renal alpha 2-adrenoceptors as potential targets for converting enzyme inhibitors. Pettinger WA, et al. **Kidney Int [Suppl]** 1987 May;20:S191–2 (33 ref.)

In vivo potencies of antipsychotic drugs in blocking alpha 1 noradrenergic and dopamine D2 receptors: implications for drug mechanisms of action. Cohen BM, et al. **Life Sci** 1986 Dec 29;39(26):2571–80

In vitro receptor specificity of the 5HT1A selective phenylpiperazine, LY165163. Cohen ML, et al. **Life Sci** 1986 Dec 22;39(25):2441–6

Antipsychotic drugs: prediction of side-effect profiles based on neuroreceptor data derived from human brain tissue. Black JL, et al. **Mayo Clin Proc** 1987 May;62(5):369–72

Reverse tri-iodothyronine as part of alpha 2 adrenergic receptors. Clur A. **Med Hypotheses** 1986 Nov;21(3):281–92

Endurance training and human alpha 2-adrenergic receptors on platelets. Lockette W, et al. **Med Sci Sports Exerc** 1987 Feb;19(1):7–10

The relationship between alpha 1-adrenergic receptor occupancy and response in BC3H-1 muscle cells. Brown RD, et al. **Mol Pharmacol** 1987 Jul;32(1):43–52

Tight agonist binding may prevent the correct interpretation of agonist competition binding curves for alpha 2-adrenergic receptors. Convents A, et al. **Mol Pharmacol** 1987 Jul;32(1):65–72

Interactions of amiloride with alpha- and beta-adrenergic receptors: amiloride reveals an allosteric site on alpha 2-adrenergic receptors. Howard MJ, et al. **Mol Pharmacol** 1987 Jul;32(1):53–8

Compartmentation of alpha 2-adrenergic receptors in human erythroleukemia (HEL) cells. McKernan RM, et al. **Mol Pharmacol** 1987 Aug;32(1):258–65

Ni-coupled receptors in cultured neural hybrid cells: cell specificity for dibutyryl cyclic AMP-induced down-regulation but not morphological differentiation. Noronha-Blob L, et al. **Mol Pharmacol** 1986 Dec; 30(6):526–36

Alpha 2-adrenergic receptor turnover in adipose tissue and kidney: irreversible blockade of alpha 2-adrenergic receptors by benextramine. Taouis M, et al. **Mol Pharmacol** 1987 Jan;31(1):89–96

Phenylethylamine-induced release of noradrenaline fails to stimulate alpha 1-adrenoceptors modulating [3H]-acetylcholine release in rat atria, but activates alpha 2-adrenoceptors modulating [3H]-serotonin release in the hippocampus. Benkirane S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):149–55

Rapid and reversible desensitisation of vascular and platelet alpha 2 adrenoceptors. Hamilton CA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):534–40

Receptor protection experiments confirm the identity of presynaptic alpha 2-autoreceptors. Hölting T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):262–70

[3H]ketanserin labels 5-HT2 receptors and alpha 1-adrenoceptors in human and pig brain membranes. Hoyer D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):226–30

Characterization of postsynaptic alpha 1-adrenoceptors in the rabbit iris dilator smooth muscle. Konno F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):271–6

Regulation of alpha and beta adrenergic receptors by triiodothyronine in cultured rat myocardial cells. Kupfer LE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov;334(3):275–81

Mutual interaction between presynaptic alpha 2-adrenoceptors and opioid kappa-receptors at the noradrenergic axons of rabbit brain cortex. Limberger N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):166–71

Effect of endothelium on basal and alpha-adrenoceptor stimulated calcium fluxes in rat aorta. Malta E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):63–70

Agonist binding at alpha 2-adrenoceptors of human platelets using 3H-UK-14,304: regulation by Gpp(NH)p and cations. Schloos J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):48–59

Alpha-adrenergic stimulation of corticotropin secretion by a specific central mechanism in man. Al-Damluji S, et al. **Neuroendocrinology** 1987 Jan;45(1):68–76

Alpha-adrenoceptors and monoamine contents in the cerebral cortex of the rodent Jaculus orientalis: effects of acute cold exposure. Lakhdar-Ghazal N, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):903–11

Increase in beta- and alpha 1-adrenoceptor binding sites in the rat brain and in the alpha 1-adrenoceptor functional sensitivity after the DSP-4-induced noradrenergic denervation. Mogilnicka E. **Pharmacol Biochem Behav** 1986 Oct;25(4):743–6

Effect of chronic nicotine treatment against repeated immobilization stress. Yamanaka K, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):259–63

Postjunctional alpha-adrenoceptors in human superficial epigastric arteries and veins. Sjöberg T, et al. **Pharmacol Toxicol** 1987 Jan;60(1):43–50

Renal catecholamines and alpha 2-adrenergic receptors in salt-related and genetic hypertension. Dawson R Jr, et al. **Pharmacology** 1987;34(2-3):131–42

Age-dependent day/night variations of alpha 1- and beta-adrenoceptors in the rat cerebral cortex. Nowak G, et al. **Physiol Behav** 1986;38(1):53–5

Antagonistic effects of some metabolites and analogues of mianserin on serotonin and alpha 1- and alpha 2-adrenergic receptors in the flexor reflex model in vivo. Przegaliński

E, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):69–75
Photoaffinity labeling of the porcine brain alpha 2–adrenergic receptor using a radioiodinated arylazide derivative of rauwolscine: identification of the hormone–binding subunit. Lanier SM, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9358–62
Characterization of central neuropeptide Y receptor binding sites and possible interactions with alpha 2–adrenoceptors. Goldstein M, et al. **Prog Brain Res** 1986;68:331–5
Binding of yohimbine and imipramine to platelets in depressive illness. Braddock L, et al. **Psychol Med** 1986 Nov;16(4):765–73
Alpha 2–adrenoceptor–mediated inhibition of platelet adenylate cyclase activity in heroin addicts in abstinence. Garcia–Sevilla JA, et al. **Psychopharmacology (Berlin)** 1987; 92(3):320–3
Alterations in alpha–adrenergic and muscarinic cholinergic receptor binding in rat brain following nonionizing radiation. Gandhi VC, et al. **Radiat Res** 1987 Jan; 109(1):90–9
[Alpha–receptors in the heart and ischemic arrhythmias] Cao W. **Sheng Li Ke Hsueh Chin Chan** 1986 Oct;17(4):364–7 (42 ref.) **(Chi)**
[Catecholamine behavior, adrenoreceptor density of intact cells and sensitivity to catecholamines in a patient with orthostatic hypotension] Lehmann M, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1249–54 (Eng. Abstr.) **(Ger)**
[Alterations in cholinergic and adrenergic receptors in senile dementia of the Alzheimer's–type] Shimohama S, et al. **Rinsho Shinkeigaku** 1986 Dec;26(12):1294–7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The role of alpha–adrenoceptors in the regulation of vigilance and pain. Stenberg D. **Acta Vet Scand [Suppl]** 1986;82:29–34
Regulation of parotid kallikrein secretion–role of the alpha 2– and beta–adrenergic system. Röckel A, et al. **Adv Exp Med Biol** 1986;198 Pt A:273–7
Specific alpha 1–, alpha 2–, and beta–responses to norepinephrine in pyruvate–perfused rat kidneys. Baines AD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F170–6
Calcium channel blockers induce preferential coronary vasodilation by an alpha 1–mechanism. Knight DR, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H604–13
Adrenergic mediation of vasopressin secretion in newborn pigs. Leffler CW, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R489–93
Mechanism of alpha–adrenergic excitation in bovine lymphatic smooth muscle. McHale NG, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H873–8
Functional significance of alpha–adrenergic receptors in mature coronary collateral circulation of dogs. Maruoka Y, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H582–90
Alpha 1–adrenergic stimulation of rat myocardial cells increases protein synthesis. Meidell RS, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1076–84
Sex differences in function and distribution of alpha 1– and alpha 2–adrenoceptors in rabbit urethra. Morita T, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1124–8
Renal alpha 2–adrenoceptors and the adenylate cyclase–cAMP system: biochemical and physiological interactions. Pettinger WA, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):F199–208 (100 ref.)
Adrenergic effects on internal cardiac defibrillation threshold. Rattes MF, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H500–6
Localization of alpha 2–adrenoceptor–mediated increase in renal Na+, K+, and water excretion. Stanton B, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1016–21
Sexual dimorphism in adrenergic regulation of hepatic glycogenolysis. Studer RK. **Am J Physiol** 1987 Apr;252(4 Pt 1):E467–76
Coronary vasoconstriction mediated by alpha 1– and alpha 2–adrenoceptors in conscious dogs. Woodman OL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H388–93
Changes in adrenergic pressor responses by calcium channel modulation in conscious dogs. Wynsen JC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H531–9
Alpha 1–adrenergic regulation of TSH–stimulated cyclic AMP accumulation in rat thyroid cells. Berman MI, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):249–56
Alpha 2–adrenergic and opiate receptor blockade. Synergistic effects on anxiety in healthy subjects. Charney DS, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1037–41
Characterization of the alpha–adrenoceptors mediating positive inotropy of rat left atria by use of selective agonists and antagonists. Williamson KL, et al. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):181–98
Differences in phospholipid incorporation of 32P relevant to alpha 1–receptor coupling events in rat and rabbit aorta. Campbell MD, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1213–21
Role of pertussis toxin sensitive G proteins in the alpha 1 adrenergic receptor but not in the thyrotropin receptor mediated activation of membrane phospholipases and iodide fluxes in FRTL–5 thyroid cells. Corda D, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1000–6
Mechanism of inverse regulation of alpha 1– and beta–adrenergic receptors. Kunos G, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1185–91 (60 ref.)
Life cycles of cardiac alpha 1– and beta–adrenergic receptors. Maisel AS, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):1–6 (42 ref.)
Assessment of the role of Ca2+ mobilization from intracellular pool(s), using dantrolene, in the glycogenolytic action of alpha–adrenergic stimulation in perfused rat liver. Mine T, et al. **Biochim Biophys Acta** 1987 Feb 18; 927(2):229–34
Alpha–adrenoceptor stimulation and calcium movements. van Zwieten PA, et al. **Blood Vessels** 1987;24(5):271–80 (32 ref.)
Presynaptic muscarinic and alpha–adrenoceptor–mediated regulation of GABA release from myenteric neurones of the guinea–pig small intestine. Hashimoto S, et al. **Br J Pharmacol** 1986 Dec;89(4):787–92
Lack of involvement of alpha–adrenoceptors in sympathetic neural vasoconstriction in the hindquarters of the rabbit. Hirst GD, et al. **Br J Pharmacol** 1987 Jan;90(1):51–60
An investigation into the alpha–adrenoceptor mediating renal nerve–induced calcium reabsorption by the rat kidney. Johns EJ, et al. **Br J Pharmacol** 1986 Sep;89(1):91–7
Alpha 2–adrenoceptor–mediated contractile response to catecholamines in smooth muscle strips isolated from rainbow trout stomach (Salmo gairdneri). Kitazawa T, et al. **Br J Pharmacol** 1986 Oct;89(2):259–66
Involvement of 5–HT1A– and alpha 2–receptors in the decreased 5–hydroxytryptamine release and metabolism in rat suprachiasmatic nucleus after intravenous 8–hydroxy–2–(n–dipropylamino) tetralin. Marsden CA, et al. **Br J Pharmacol** 1986 Oct;89(2):277–86
Alpha–adrenoceptor involvement in catecholamine–induced hyperglycaemia in conscious fasted rabbits. Moratinos J, et al. **Br J Pharmacol** 1986 Sep;89(1):55–66
Noradrenergic regulation of cytosol estrogen receptors in female rat hypothalamus: possible role of alpha 2–noradrenergic receptors. Blaustein JD, et al. **Brain Res** 1987 Feb 24;404(1–2):51–7
A procedure for measuring alpha 2–adrenergic receptor–mediated inhibition of cyclic AMP accumulation in rat brain slices. Duman RS, et al. **Brain Res** 1986 Oct 8;384(2):391–4
Mediation of separation distress by alpha 2–adrenergic mechanisms in a non–human primate. Harris JC, et al. **Brain Res** 1987 May 5;410(2):353–6
Pertussis toxin or 8–bromo–cAMP block inhibition of the acoustic startle response by the alpha 2–adrenergic agonist ST–91. Kehne JH, et al. **Brain Res** 1987 Mar 17; 406(1–2):87–92
Alpha 2–adrenoceptors in amygdala control renal sympathetic nerve activity and renal function in conscious spontaneously hypertensive rats. Koepke JP, et al. **Brain Res** 1987 Feb 24;404(1–2):80–8
Response of supraoptic magnocellular neurons to stimulation of forebrain alpha–adrenoceptors. Mitchell LD, et al. **Brain Res** 1986 Dec 10;399(2):346–51
Alpha–adrenergic modulation of cyclic AMP formation in rat CNS: highest level in olfactory bulb. Stone EA, et al. **Brain Res** 1986 Oct 8;384(2):401–3
Impact of food deprivation on alpha 1– and alpha 2–noradrenergic receptors in the paraventricular nucleus and other hypothalamic areas. Jhanwar–Uniyal M, et al. **Brain Res Bull** 1986 Dec;17(6):889–96
The release of catecholamines from the adrenal medulla and its modulation by alpha 2–adrenoceptors in the anaesthetized dog. Foucart S, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):550–7
Nonadrenergic modulation by clonidine of the cosecretion of catecholamines and enkephalins in adrenal chromaffin cells. Nguyen TT, et al. **Can J Physiol Pharmacol** 1987 May;65(5):823–7
Pretreatment of human platelet membranes with trypsin abolishes GTP but not Na+ effects on alpha 2–adrenoreceptor–agonist interactions. Periyasamy S, et al. **Can J Physiol Pharmacol** 1987 May;65(5):778–84
Vascular role of vasopressin in the presence and absence of influence from angiotensin II or alpha–adrenergic system. Tabrizchi R, et al. **Can J Physiol Pharmacol** 1986 Aug; 64(8):1143–8
The role of alpha–adrenergic receptors in carbon monoxide hypoxia. Villeneuve SM, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1442–6
Adrenergic receptors and the control of cell division in the intestinal epithelium [letter] Tutton PJ. **Cell Tissue Kinet** 1986 Sep;19(5):577–9
The effects of electroconvulsive therapy and antidepressant drugs on monoamine receptors in rodent brain—similarities and differences. Green AR, et al. **Ciba Found Symp** 1986; 123:246–67
Depression in an animal model: focus on the locus ceruleus. Weiss JM, et al. **Ciba Found Symp** 1986;123:191–215
Alpha 1–adrenoceptor activity regulates release of adenosine from the ischemic myocardium in dogs. Kitakaze M, et al. **Circ Res** 1987 May;60(5):631–9
Parasympathetic effects on in vivo rat heart can be regulated through an alpha 1–adrenergic receptor. McGrattan PA, et al. **Circ Res** 1987 Apr;60(4):465–71
Desensitization of postjunctional alpha 1– and alpha 2–adrenergic receptor–mediated vasopressor responses in rat harboring pheochromocytoma. Tsujimoto G, et al. **Circ Res** 1987 Jul;61(1):86–98
Adrenergic coronary vasoconstriction during myocardial underperfusion. Feigl EO, et al. **Circulation** 1987 Jan;75(1 Pt 2):11–5
Adrenergic activity and aldosterone regulation: no evidence for an alpha–1 adrenoceptor–mediated influence in normal subjects. Bianchetti L, et al. **Clin Endocrinol (Oxf)** 1986 Jul;25(1):87–95
The balance between vascular alpha– and beta–adrenoceptors is not changed in the elderly. Klein C, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):260–4
Impaired regulation of alpha– and beta–adrenoceptor function in chronic renal insufficiency. Brodde OE, et al. **Contrib Nephrol** 1986;50:28–35
Interaction between alpha 2– and beta 2–adrenergic receptors in rabbit ciliary processes. Bausher LP, et al. **Curr Eye Res** 1987 Mar;6(3):497–505
Alpha–2 adrenergic modulation of norepinephrine secretion in the perfused rabbit iris–ciliary body. Jumblatt JE, et al. **Curr Eye Res** 1987 Jun;6(6):767–77
Postjunctional alpha 2–adrenoceptors in pial arteries of anesthetized newborn pigs. Busija DW, et al. **Dev Pharmacol Ther** 1987;10(1):36–46
Role of alpha 2–adrenergic receptor in platelet activation during insulin–induced hypoglycemia in normal subjects. Kishikawa H, et al. **Diabetes** 1987 Apr;36(4):407–12
Alpha–adrenergic system in the modulation of pancreatic A and B cell function in normal rats. Filipponi P, et al. **Diabetes Res Clin Pract** 1986 Nov–Dec;2(6):325–36
Role of adrenergic alpha–receptors in regulation of acetylcholine release evoked by distension of guinea pig ileum. Yoshimura H, et al. **Dig Dis Sci** 1986 Nov; 31(11):1249–53
Pharmacological manipulations of alpha–adrenoceptors in the infant rat and effects on growth hormone secretion. Study of the underlying mechanisms of action. Cella SG, et al. **Endocrinology** 1987 Apr;120(4):1639–43
Alpha 2–adrenergic potentiation of adenosine–stimulating effect on glucagon secretion. Gross R, et al. **Endocrinology** 1987 Aug;121(2):765–9
Mechanism of action of dopamine on the in vitro release of gonadotropin–releasing hormone. Jarjour LT, et al. **Endocrinology** 1986 Oct;119(4):1726–32
A pertussis toxin substrate regulates alpha 1–adrenergic dependent phosphatidylinositol hydrolysis in cultured rat myocytes. Steinberg SF, et al. **Endocrinology** 1987 May; 120(5):1889–95
Role of alpha–adrenoceptors for adipocyte size in man. Arner P, et al. **Eur J Clin Invest** 1987 Feb;17(1):58–62
Influence of calcium entry blockade on alpha 1– and alpha 2–adrenoceptor mediated vasoconstriction in the forearm of hypertensive patients. Jie K, et al. **Eur J Clin Pharmacol** 1987;32(2):115–20
Influence of Ca2+e on 5–HT2– and alpha 1–induced arterial contraction and phosphoinositide metabolism. Berta P, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):253–7
Alpha 2–receptor control over release of noradrenaline in rat thalamus. Bradberry CW, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):175–80
Alpha 2–adrenoceptor–mediated inhibition of nerve stimulation–evoked release of neuropeptide Y (NPY)–like immunoreactivity in the pithed guinea–pig. Dahlöf C, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):279–83
Prejunctional alpha 2–adrenoceptors modulate stimulation–evoked norepinephrine release in rabbit lateral saphenous vein. Levitt B, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):197–205
Effect of acidosis on alpha 1– and alpha 2–adrenoceptor–mediated vasoconstrictor responses in isolated arteries. Medgett IC, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):443–7
Effects of pertussis toxin on the alpha 2–adrenoceptor–inhibitory GTP–binding protein–adenylate cyclase system in rat brain: pharmacological and neurochemical studies. Nomura Y, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):123–9
Pertussis toxin does not inhibit the alpha 1–adrenoceptor–mediated effect on inositol phosphate production in the heart. Schmitz W, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):377–8
Increase in IP3 precedes alpha–adrenoceptor–induced increase in force of contraction in cardiac muscle. Schmitz W, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):109–11
Alpha 2–adrenoceptor modulation of nociception in rat spinal cord: location, effects and interactions with morphine. Sullivan AF, et al. **Eur J Pharmacol** 1987 Jun 19; 138(2):169–77
Demonstration of alpha 2–adrenoceptor–mediated contraction in the isolated canine saphenous artery treated with Bay K 8644. Sulpizio A, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):107–10
Norepinephrine modulates seizures induced by quinolinic acid in rats: selective and distinct roles of alpha–adrenoceptor subtypes. Wu HQ, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):309–18
Sympathetic control of cerebral arteries: specialization in receptor type, reserve, affinity, and distribution. Bevan JA, et al. **FASEB J** 1987 Sep;1(3):193–8
Alpha 2–adrenergic inhibition of pancreatic islet glucose utilization is mediated by an inhibitory guanine nucleotide regulatory protein. Laychock SG, et al. **FEBS Lett** 1987 Jun 22;218(1):7–10
Inositol phosphate production following alpha 1–adrenergic, muscarinic or electrical stimulation in isolated rat heart. Poggioli J, et al. **FEBS Lett** 1986 Oct 6;206(2):292–8
Comparison of the alpha–adrenoceptor characteristics in

human and canine prostate. Hieble JP, et al. **Fed Proc** 1986 Oct;45(11):2609–14

Central alpha 2-adrenergic control of the pattern of small intestinal motility in rats. Fargeas MJ, et al. **Gastroenterology** 1986 Dec;91(6):1470–5

Flunarizine and alpha-adrenergic responses in isolated canine saphenous veins. Daskalopoulos DA, et al. **Gen Pharmacol** 1987;18(2):193–6

Involvement of central alpha-pressor and beta-depressor adrenoceptors in the cardiovascular response to intracerebroventricular catecholamines in the rat. Peres-Polon VL, et al. **Gen Pharmacol** 1987;18(2):159–64

Effects of bunazosin on electrical responses of smooth muscle cells of the guinea-pig mesenteric artery and vein to perivascular nerve stimulation and to noradrenaline. Suzuki H, et al. **Gen Pharmacol** 1987;18(2):171–7

Role of alpha 1- and alpha 2-adrenergic receptors in the human hypertensive kidney. de Leeuw PW, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III210–2

Role of renal alpha 2-adrenergic receptors in spontaneously hypertensive rats. DiBona GF, et al. **Hypertension** 1987 Jan;9(1):41–8

Postsynaptic alpha 1- and alpha 2-adrenergic receptors in adrenergic control of capacitance vessel tone in vivo. Elsner D, et al. **Hypertension** 1986 Nov;8(11):1003–14

Renal alpha 2-adrenergic receptors and hypertension. Pettinger WA. **Hypertension** 1987 Jan;9(1):3–6

Central alpha 2-adrenergic stimulation increases neurointermediate lobe immunoreactive beta-endorphin in spontaneously hypertensive rats. Yasunari K, et al. **Hypertension** 1987 Jun;9(6):566–70

Noradrenergic mechanisms in the response to dextroamphetamine in humans. Jacobs D. **Int Clin Psychopharmacol** 1986 Jul;1(3):199–209

Alpha 1-adrenergic receptor induced subsensitivity and supersensitivity in rabbit iris-ciliary body. Effects on myo-inositol trisphosphate accumulation, arachidonate release, and prostaglandin synthesis. Yousufzai SY, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):409–19

Functional consequences and intracoronary localization of alpha-adrenergic stimulation of the canine coronary circulation. Maturi MF, et al. **J Am Coll Cardiol** 1986 Oct; 8(4):885–93

Alpha-adrenergic agents have little effect during air embolism lung injury in awake sheep. Bonsignore MR, et al. **J Appl Physiol** 1987 Jun;62(6):2147–53

Adrenergic and local control of O2 uptake during and after severe hypoxia. King CE, et al. **J Appl Physiol** 1986 Nov; 61(5):1920–7

Central alpha 1-adrenergic and opiate systems in the control of the vagal tone in normotensive and spontaneously hypertensive rats. Huchet AM, et al. **J Auton Nerv Syst** 1986 Nov;17(3):175–83

Reduced alpha 1-adrenoreceptor mediated responsiveness in vas deferens from spontaneously hypertensive rats. Docherty JR, et al. **J Auton Pharmacol** 1986 Dec; 6(4):319–22

Characterization of alpha-adrenoreceptor mediated reduction of flow in a saline-perfused constant pressure model of rat perfused hindquarters. Korstanje C, et al. **J Auton Pharmacol** 1987 Mar;7(1):71–86

Alpha 1-adrenergic receptor-mediated phosphoinositide hydrolysis and prostaglandin E2 formation in Madin-Darby canine kidney cells. Possible parallel activation of phospholipase C and phospholipase A2. Slivka SR, et al. **J Biol Chem** 1987 Mar 25;262(9):4200–7

Alpha 1-adrenoceptor activation elevates cytosolic calcium in rat pinealocytes by increasing net influx. Sugden LA, et al. **J Biol Chem** 1987 Jan 15;262(2):741–5

Modulation of noradrenaline release by peripheral presynaptic alpha 2-adrenoceptors in humans. Jie K, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):407–13

Prejunctional alpha-adrenoceptor-mediated inhibition of norepinephrine release in blood-perfused skeletal muscle in situ. Kahan T, et al. **J Cardiovasc Pharmacol** 1987 May; 9(5):555–62

Modulation of norepinephrine release through alpha 1- and alpha 2-adrenoceptors in rat isolated kidney. Rump LC, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):500–7

Alpha-adrenergic influences in canine ischemic sudden death: effects of alpha 1-adrenoceptor blockade with prazosin. Wilber DJ, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):96–106

Alpha 1-adrenoceptor-mediated contraction of rabbit mesenteric artery: a role for intra- and extracellular calcium pools. Wilson C, et al. **J Cardiovasc Pharmacol** 1987 Apr; 9(4):401–6

Exogenous norepinephrine constricts cerebral arterioles via alpha 2-adrenoceptors in newborn pigs. Busija DW, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):184–8

Mechanism of increased alpha adrenergic vasoconstriction in human essential hypertension. Egan B, et al. **J Clin Invest** 1987 Sep;80(3):812–7

A clinical approach for the identification of peripheral pre- and post-synaptic alpha-adrenergic receptors. Schütz W, et al. **J Hypertens** 1986 Aug;4(4):481–4

Alpha 1-adrenoceptor-mediated responses in the vascular smooth muscle of spontaneously hypertensive rats. Bhalla RC, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S65–7

Pharmacological differentiation of pre- and post-junctional alpha 2-adrenoceptors. Hieble JP, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S189–92

Alpha 1-adrenoceptor blockade and altered renal alpha 2-adrenoceptors: a model(?) for the study of genetically altered alpha 2-adrenoceptors in hypertensive rats. Smyth DD, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S205–8

Alpha adrenoceptors and the myocardium. I.S.H.R. (International Society for Heart Research) 12th congress. 9–13th February, 1986. Melbourne. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:1–87

Alpha adrenergic receptor mechanism: biochemical events. Clark MG, et al. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:69–77

Arrhythmogenic and electrophysiological effects of alpha adrenoceptor stimulation during myocardial ischaemia and reperfusion. Culling W, et al. **J Mol Cell Cardiol** 1987 Mar; 19(3):251–8

Alpha adrenoceptors--an overview. Davey MJ. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:1–15 (51 ref.)

Alpha-adrenergic mechanisms in the pathophysiology of left ventricular heart failure--an analysis of their role in systolic and diastolic dysfunction. Giles TD, et al. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:33–43

Cardiac alpha-adrenoceptors: postjunctional and prejunctional. Rand MJ, et al. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:17–32

Myocardial alpha-adrenoceptors and positive inotropy. Scholz H, et al. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:79–87

Alpha adrenoceptors and arrhythmias. Sheridan DJ. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:59–68

Dual trophic effects of the alpha 1-adrenergic receptor in cultured neonatal rat heart muscle cells. Simpson P, et al. **J Mol Cell Cardiol** 1986 Nov;18 Suppl 5:45–58

Locus coeruleus neurons show reduced alpha 2-receptor responsiveness and decreased basal activity in spontaneously hypertensive rats. Engberg G, et al. **J Neural Transm** 1987;69(1–2):71–83

Delta sleep-inducing peptide modulates the stimulation of rat pineal N-acetyltransferase activity by involving the alpha 1-adrenergic receptor. Graf MV, et al. **J Neurochem** 1987 Apr;48(4):1252–7

Influence of beta-adrenoceptor-mediated relaxation on alpha-adrenoceptor-mediated contraction of rat pulmonary artery to adrenaline or noradrenaline. O'Donnell SR, et al. **J Pharm Pharmacol** 1987 Apr; 39(4):278–82

Differential antagonism of alpha-1 and alpha-2 adrenoceptor-mediated pressor responses by urotensin I, a selective mesenteric vasodilator peptide. Bolt GR, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):284–91

Evidence for the involvement of presynaptic alpha-2 adrenoceptors in the regulation of norepinephrine metabolism in the rat brain. Curet O, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):327–36

Denervation augments alpha-2 but not alpha-1 adrenergic responses in canine saphenous veins. Flavahan NA, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):589–93

Ablation of the myenteric plexus impairs alpha but not beta adrenergic receptor-mediated mechanical responses of rat jejunal longitudinal muscle. Fox DA, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):9–14

Sympathetic and parasympathetic nerves regulate postsynaptic alpha-2 adrenoceptor in salivary glands. Kaniucki MD, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):488–93

Alpha adrenoceptor regulation of coronary artery blood flow in normal and stenotic canine coronary arteries. Kopia GA, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):641–7

Pharmacological characterization of spinal alpha adrenoceptors related to blood pressure control in rats. Kubo T, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):298–302

On the relationship between clonidine hypotension and brain beta-endorphin in the spontaneously hypertensive rat: studies with alpha adrenergic and opiate blockers. Mastrianni JA, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):378–87

Evaluation of the alpha and beta adrenoceptor-mediated activities of the novel, orally active inotropic agent, ibopamine, in the cardiovascular system of the pithed rat: comparison with epinine and dopamine. Nichols AJ, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):455–63

Greater activation of smooth muscle alpha-2 adrenoceptors by epinephrine in distal than in proximal segments of rat tail artery. Rajanayagam MA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):989–97

Enhanced pulmonary alpha-2 adrenoceptor responsiveness under conditions of elevated pulmonary vascular tone. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):158–65

Sensitivity of alpha-1 adrenoceptor-mediated pressor responses to inhibition by Ca++ entry blockers in the pithed rat: arguments against the role of receptor reserve. Timmermans PB, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):864–70

Alpha adrenergic receptors mediate angiotensin-induced prostaglandin production in the rabbit isolated vas deferens. Trachte GJ, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):433–40

Nifedipine attenuates both alpha-1 and alpha-2 adrenoceptor-mediated pressor and vasoconstrictor responses in conscious dogs and primates. Woodman OL, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):648–53

The role of alpha and beta receptors and their regulation of 5-HT metabolism of the rat brain in electroacupuncture analgesia. Wang YJ, et al. **J Tradit Chin Med** 1987 Mar; 7(1):57–62

Alpha 2 adrenergic receptors in canine prostate: biochemical and functional correlations. Shapiro E, et al. **J Urol** 1987 Mar;137(3):565–70

Evidence for the implication of endogenous vasopressin in cardiovascular response to central alpha-adrenoceptor stimulation. Hiwatari M, et al. **Jpn Circ J** 1986 Nov; 50(11):1149–54

Presynaptic alpha 2-adrenoceptor mediated regulation of norepinephrine release in perfused mesenteric vasculatures in young and adult spontaneously hypertensive rats. Tsuda K, et al. **Jpn Circ J** 1987 Jan;51(1):25–32

Pharmacological characterization of presynaptic alpha-adrenoceptors in the modulation of the 5-hydroxytryptamine release from vascular adrenergic nerves in the rat. Kawasaki H, et al. **Jpn J Pharmacol** 1986 Dec;42(4):561–70

A difference in alpha-adrenoceptor mechanisms in vasa deferentia isolated from young and old rats. Takayanagi I, et al. **Jpn J Pharmacol** 1986 Aug;41(4):533–6

Heterogeneity of alpha 1 receptors associated with vascular smooth muscle: evidence from functional and ligand binding studies. Babich M, et al. **Life Sci** 1987 Aug 10; 41(6):663–73

Effect of the alpha 2-blocker DG-5128 on insulin and somatostatin release from the isolated perfused rat pancreas. Koh G, et al. **Life Sci** 1987 Mar 16;40(11):1113–8

Noradrenergic effects on rat visual cortex: single-cell microiontophoretic studies of alpha-2 adrenergic receptors. Kolta A, et al. **Life Sci** 1987 Jul 20;41(3):281–9

Regulation of chicken pineal arylalkylamine-N-acetyl transferase by postsynaptic alpha 2-adrenergic receptors. Voisin P, et al. **Life Sci** 1986 Nov 24;39(21):2025–32

Evidence for the involvement of alpha-2 adrenoceptors in the sedation but not REM sleep inhibition by clonidine in the rat. Mäkelä JP, et al. **Med Biol** 1986;64(6):355–60

Role of alpha-adrenergic receptors in cartilaginous and non-cartilaginous human airways. Mukherjee A, et al. **Methods Find Exp Clin Pharmacol** 1986 Nov;8(11):667–73

Comparative study of the developmental patterns of vasopressin, glucagon, angiotensin II, and alpha 1-adrenergic receptors in the liver of developing and adult hypothyroid rats. Ali M, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):115–25

Differentiation of alpha 1-adrenergic receptors linked to phosphatidylinositol turnover and cyclic AMP accumulation in rat brain. Johnson RD, et al. **Mol Pharmacol** 1987 Mar;31(3):239–46

Alpha 2-adrenoceptor stimulation affects total glucose utilization in isolated islets of Langerhans. Laychock SG. **Mol Pharmacol** 1987 Aug;32(1):241–8

Alpha 1-adrenergic receptor-linked guanine nucleotide-binding protein in muscle and kidney epithelial cells [published erratum appears in Mol Pharmacol 1987 May;31(5):567] Terman BI, et al. **Mol Pharmacol** 1987 Jan; 31(1):12–20

Adrenergic influences on sexual differentiation of the rat brain. Jarzab B, et al. **Monogr Neural Sci** 1986;12:191–6

Alpha 1-adrenoceptor subtypes linked to different mechanisms for increasing intracellular Ca2+ in smooth muscle. Han C, et al. **Nature** 1987 Sep 24–30; 329(6137):333–5

Are the alpha 2-adrenoceptors in the noradrenaline cell body region of physiological significance? Andén NE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):40–3

Evidence against a role of a pertussis toxin-sensitive guanine nucleotide-binding protein in the alpha 1-adrenoceptor-mediated positive inotropic effect in the heart. Böhm M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):476–9

Age-related alterations in alpha 1- and beta-adrenoceptors mediated responsiveness of rat aorta. Hyland L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):50–3

The effect of age on the sensitivity of pre- and postsynaptic alpha-adrenoceptors to agonists and antagonists in the rat [published erratum appears in Naunyn Schmiedebergs Arch Pharmacol 1987 Apr;335(4):480] McAdams RP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):430–5

Activation of presynaptic alpha 2-adrenoceptors attenuates the inhibitory effect of mu-opioid receptor agonists on noradrenaline release from brain slices. Schoffelmeer AN, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):377–80

Alpha-2-adrenergic control of prolactin release. Lien EL, et al. **Neuroendocrinology** 1986;44(2):184–9

Exercise-induced increases in plasma catecholamines and growth hormone are augmented by selective alpha 2-adrenoceptor blockade in man. Struthers AD, et al. **Neuroendocrinology** 1986;44(1):22–8

Possible role of alpha-2-noradrenergic receptors in modulation of sexual behavior in female guinea pigs. Vincent PA, et al. **Neuroendocrinology** 1987 Jun;46(1):10–3

Alpha adrenoceptor modulation of the jaw-opening reflex. Curtis AL, et al. **Neuropharmacology** 1987 Jul; 26(7A):649–55

Age-related change in alpha-adrenergic responsiveness of the urinary bladder of the rat is regionally specific. Ordway GA, et al. **Neuropharmacology** 1986 Dec;25(12):1335-40
Suppressing effect of pertussis toxin on clonidine-induced inhibition of noradrenaline release from cerebral cortical slices of rats. Kawata K, et al. **Neurosci Res** 1987 Feb; 4(3):236-40
Effects of alpha 1- and alpha 2-adrenoceptor stimulation and blockade on plasma insulin levels in the mouse. Skoglund G, et al. **Pancreas** 1986;1(5):415-20
Decrease in force potentiation and appearance of alpha-adrenergic mediated contracture in aging rat skeletal muscle. Carlsen RC, et al. **Pflugers Arch** 1987 Mar; 408(3):224-30
The nociceptive jaw-opening reflex: evidence for alpha 2 adrenoceptor involvement. Curtis AL, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):437-44
Differences in the role of Na+/K+-ATPase during alpha 1-adrenergic events in rat and rabbit aorta. Lynch CJ, et al. **Pharmacology** 1986;33(4):221-34
Are beta- and alpha 2-adrenoceptors co-regulated during their stimulation? Behavioral studies. Mogilnicka E. **Pol J Pharmacol Pharm** 1986 Sep-Dec;38(5-6):521-8
Phospholipase A2 and phospholipase C are activated by distinct GTP-binding proteins in response to alpha 1-adrenergic stimulation in FRTL5 thyroid cells. Burch RM, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7201-5
Alpha 2-adrenergic receptor-mediated sensitization of forskolin-stimulated cyclic AMP production. Jones SB, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1294-8
Neuropeptide Y inhibits cholinergic transmission in the isolated guinea pig colon: mediation through alpha-adrenergic receptors. Wiley J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2047-51
Studies of the role of alpha-adrenoceptors in guinea pig lungs. Biggs DF, et al. **Proc West Pharmacol Soc** 1987; 30:389-91
Adrenergic receptors mediating prostaglandin production in the rabbit vas deferens. Trachte GJ. **Prostaglandins** 1987 Jan;33(1):25-35
Alpha 2-adrenoceptors in depression. Katona CL, et al. **Psychiatr Dev** 1987 Summer;5(2):129-49 (90 ref.)
Biological aspects of depression. Matussek N. **Psychopathology** 1986;19 Suppl 2:66-71 (26 ref.)
Presynaptic alpha-autoreceptors. Starke K. **Rev Physiol Biochem Pharmacol** 1987;107:73-146 (345 ref.)
Platelet alpha-adrenoceptor function and aging. Winther K, et al. **Thromb Res** 1987 Jun 1;46(5):677-84
Characterization of alpha-adrenoceptor subtypes involved in regulation of ureteral fluid transport. Morita T, et al. **Tohoku J Exp Med** 1987 Jun;152(2):111-8
Toxic effects of hypoxia on neonatal cardiac function in the rat: alpha-adrenergic mechanisms. Seidler FJ, et al. **Toxicol Lett** 1987 Jun;37(1):79-84
Xylazine-induced hyperglycaemia and alpha-adrenergic receptors in sheep. Brikas P, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):58-60
[The role of alpha and beta receptors and their effects on 5-HT metabolism in acupuncture analgesia] Wang YJ, et al. **Chen Tzu Yen Chiu** 1987;12(1):62-7 (Eng. Abstr.) **(Chi)**
[Alpha-adrenergic control of segmental coronary arterial resistance in the dog] Sun JZ, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):216-9 (Eng. Abstr.) **(Chi)**
[Alpha-adrenoceptors in the rat spinal cord: its role in baroreflex and hemorrhagic shock] Xie CW, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):132-8 (Eng. Abstr.) **(Chi)**
[Adrenergic receptors in physiopathology and clinical medicine: current role and research prospectives] Campanacci L, et al. **G Clin Med** 1986 Aug;67(4):195-205 **(Ita)**
[Pharmacological analysis of the function of the canine proximal urethra] Kobayashi M. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1566-77 (Eng. Abstr.) **(Jpn)**
[Electrophysiological research on the coupling of excitation-contraction during alpha-adrenoreceptor activation in blood vessel smooth muscles] Gurkovskaia AV, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):655-7 (Eng. Abstr.) **(Rus)**
[Effect of a physical load on the adrenergic receptor function of peripheral blood lymphocytes and thrombocytes in healthy donors] Korichneva IL, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):83-7 (Eng. Abstr.) **(Rus)**
[Mechanism of the formation of a receptor response] Kats MM. **Izv Akad Nauk SSSR [Biol]** 1987 May-Jun;(3):469-73 (17 ref.) (Eng. Abstr.) **(Rus)**
[Status of alpha 1-adrenergic regulation of stroke volume during hypokinesia in the rat] Chinkin AS. **Kosm Biol Aviakosm Med** 1987 Mar-Apr;21(2):52-5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Adrenoceptors and the pharmacology of affective illness: a unifying theory [published erratum appears in Life Sci 1987 Jul 13;41(2):249] Lipinski JF Jr, et al. **Life Sci** 1987 May 18;40(20):1947-63 (106 ref.)

RECEPTORS, ADRENERGIC, BETA

Withdrawal of the long-acting beta blocker bopindolol is not associated with beta-adrenoceptor supersensitivity. Bolli P, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S64-9

ADMINISTRATION & DOSAGE

Interactions of vasodilators with calcium entry- and beta-blockers in patients with coronary heart disease. Stauch M, et al. **Z Kardiol** 1986;75 Suppl 3:106-11

ANALYSIS

Depressed atrial inotropic response in the rat with chronic ethanol ingestion. Baker SP, et al. **Alcohol** 1987 Jan-Feb; 4(1):7-10
Localization of quantitative changes in pulmonary beta-receptors in ovalbumin-sensitized guinea pigs. Gatto C, et al. **Am Rev Respir Dis** 1987 Jul;136(1):150-4
Further evidence for tonically functioning presynaptic beta-adrenoceptors in guinea-pig pulmonary arteries. Kuwahara M, et al. **Arch Int Pharmacodyn Ther** 1986 Dec; 284(2):225-30
Beta-adrenergic responsiveness and cardiac autonomic receptors after implantation of the MtTW15 pituitary adenoma in the rat. Nelson CA, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1297-302
Down-regulation of surface beta-adrenoceptors on intact human mononuclear leukocytes. Time-course and isoproterenol concentration dependence. Sandnes D, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1303-11
Evidence for tyrosine at the ligand binding center of beta-adrenergic receptors. Shorr RG, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3821-5
Changes in tissue blood flow and beta-receptor density of skeletal muscle in rats treated with the beta2-adrenoceptor agonist clenbuterol. Rothwell NJ, et al. **Br J Pharmacol** 1987 Mar;90(3):601-7
Beta adrenoceptor density and adenylate cyclase response in right atrial and left ventricular myocardium of patients with mitral valve disease. Golf S, et al. **Cardiovasc Res** 1986 May;20(5):331-6
Effects of beta blocking agents on the density of beta adrenoceptors and adenylate cyclase response in human myocardium: intrinsic sympathomimetic activity favours receptor upregulation. Golf S, et al. **Cardiovasc Res** 1986 Sep;20(9):637-44
Hypokalemia modulates alpha- and beta-adrenoceptor bindings in rat skeletal muscle. Hirata A, et al. **Cell Mol Neurobiol** 1986 Sep;6(3):255-62
Assessment of the beta-adrenergic receptor pathway in the intact failing human heart: progressive receptor down-regulation and subsensitivity to agonist response. Fowler MB, et al. **Circulation** 1986 Dec;74(6):1290-302
6-Hydroxydopamine treatment increases beta-adrenoceptors and Ca2+ channels in rat heart. Skattebøl A, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):287-9
Autoradiographic localization of beta-adrenergic receptors in rabbit eye. Elena PP, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1436-41
Beta-adrenergic receptors in human trabecular meshwork. Identification and autoradiographic localization. Jampel HD, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):772-9
Beta-adrenoceptors in the rat parotid gland enlarged by salivariectomy and bulk diet. Effects of denervation. Schneyer CA, et al. **J Auton Nerv Syst** 1986 Nov; 17(3):165-73
Diet restriction retards the age-related loss of beta-adrenergic receptors and adenylate cyclase activity in rat lung. Scarpace PJ, et al. **J Gerontol** 1987 Jul; 42(4):442-6
Autoradiographic localization of beta-1 and beta-2 adrenoceptors in guinea pig atrium and regions of the conducting system. Molenaar P, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1048-64
The mammalian beta-adrenergic receptor: structural and functional characterization of the carbohydrate moiety. Benovic JL, et al. **J Recept Res** 1987;7(1-4):257-81
Cardiac ventricular beta 2-adrenoceptors in guinea-pigs and rats are localized on the coronary endothelium. Freissmuth M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):56-62
Effects of REM sleep deprivation on central alpha 1- and beta-adrenoceptors in rat brain. Mogilnicka E, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):329-32
Photoaffinity labeling of beta-adrenergic receptors. Stadel JM. **Pharmacol Ther** 1985;31(1-2):57-77 (90 ref.)
Transformation of human ciliary epithelial cells by simian virus 40: induction of cell proliferation and retention of beta 2-adrenergic receptors. Coca-Prados M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8754-8
Localization of beta-adrenergic receptors on differentiated cells of the central nervous system in culture. Ventimiglia R, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5073-7
Absence of age-related changes in the binding of the beta adrenergic antagonist 125I-iodohydroxybenzylpindolol in rat heart. Tumer N, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):118-22
Beta 2-adrenergic receptor regulation in circulating mononuclear leukocytes in anorexia nervosa and bulimia. Lonati-Galligani M, et al. **Psychiatry Res** 1986 Nov; 19(3):189-98
Postmortem serotonergic and adrenergic receptor binding to frontal cortex: correlations with suicide. Mann JJ, et al. **Psychopharmacol Bull** 1986;22(3):647-9
Regulation of beta adrenergic and serotonin-S2 receptors in brain by electroconvulsive shock and serotonin. Kellar KJ, et al. **Psychopharmacol Ser** 1987;3:99-106 (31 ref.)
Beta-adrenergic receptors of human lymphocytes in physically active and immobilized subjects: characterization by a polyethylene glycol precipitation assay. Mäki T, et al. **Scand J Clin Lab Invest** 1987 May; 47(3):261-7
[Studies of human renal adrenergic receptors] Shigetomi S, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1145-9 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Induction of functional beta-adrenergic receptors in rat aortic smooth muscle cells by sodium butyrate. Nambi P, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3813-20
A single dose of FG 7142 causes long-term increases in mouse cortical beta-adrenoceptors. Stanford SC, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):313-9
Glucocorticoid induction of beta-adrenergic receptors in the DDT1 MF-2 smooth muscle cell line involves synthesis of new receptor. Norris JS, et al. **Mol Cell Biochem** 1987 Mar;74(1):21-7

BLOOD

Regulation of the beta-receptor-adenylate cyclase system in lymphocytes of allergic patients with asthma: possible role for protein kinase C in allergen-induced nonspecific refractoriness of adenylate cyclase. Meurs H, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):326-39
Adrenoceptors in the diagnosis of phaeochromocytoma [letter] Valet P, et al. **Lancet** 1987 Aug 8;2(8554):337

CLASSIFICATION

Clinical significance of beta 1-selectivity and intrinsic sympathomimetic activity in a beta-adrenergic blocking drug. Frishman WH. **Am J Cardiol** 1987 May 15; 59(13):33F-37F (45 ref.)
Beta-adrenoceptors of the human myocardium: determination of beta 1 and beta 2 subtypes by radioligand binding. Heitz A, et al. **Br J Pharmacol** 1983 Dec; 80(4):711-7

DEFICIENCY

Decrease of beta-receptors in asthmatic and rhinitic patients. Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1987 Mar-Apr;15(2):65-8

DRUG EFFECTS

Glucose, beta adrenergic effects, and pancreatic endocrine function in the isolated perfused duck pancreas. Gross R, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):105-11
Acute blockade of beta 1-receptors in the asphyxiated sheep fetus. Dagbjartsson A, et al. **Acta Physiol Scand** 1987 Jul; 130(3):381-5
Effects of subacute treatment with toluene on cerebrocortical alpha- and beta-adrenergic receptors in the rat. Evidence for an increased number and a reduced affinity of beta-adrenergic receptors. Fuxe K, et al. **Acta Physiol Scand** 1987 Jun;130(2):307-11
Effects of dietary poly-unsaturated fatty acids on the beta-adrenergic receptor reactivity in the guinea pig respiratory system. Loesberg C, et al. **Agents Actions** 1986 Dec;19(5-6):359-60
Endotoxin-induced alterations in guinea pig coronary vascular beta 2-adrenoceptor function: a role for cyclo-oxygenase products. van Heuven-Nolsen D, et al. **Agents Actions** 1986 Dec;19(5-6):363-5
Endotoxin-induced reduction of beta-adrenoceptor number in guinea pig splenic lymphocyte membranes. Van Oosterhout AJ, et al. **Agents Actions** 1986 Dec; 19(5-6):361-2
Seasonal allergic rhinitis treated with a beta-2-adrenostimulant. Borum P, et al. **Allergy** 1987 Feb; 42(2):141-5
Comparison of selective (beta 1) and nonselective (beta 1 and beta 2) beta-adrenergic blockade on systemic and coronary hemodynamic findings in angina pectoris. Prida XE, et al. **Am J Cardiol** 1987 Aug 1;60(4):244-8
Beta-adrenergic receptor changes during tertatolol treatment in healthy volunteers: relevance for beta-blocking therapy. De Blasi A, et al. **Am J Nephrol** 1986;6 Suppl 2:69-73
Study of prejunctional beta-adrenoceptors in kidneys of normotensive and hypertensive rats using the new beta-adrenoceptor blocking drug tertatolol. Verbeuren TJ, et al. **Am J Nephrol** 1986;6 Suppl 2:30-5
Amiloride interacts with renal alpha- and beta-adrenergic receptors. Howard MJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F21-5
Interactions of thyroid hormone and tricyclic antidepressants on rat brain beta-adrenoceptor function. Catto LC, et al. **Arch Toxicol [Suppl]** 1987;11:247-9
The effect of urapidil on cardiac alpha- and beta-adrenoceptors. Schümann HJ, et al. **Arzneimittelforschung** 1986 Oct;36(10):1471-6
Phorbol 12-myristate 13-acetate induces beta-adrenergic receptor uncoupling and non-specific desensitization of

adenylate cyclase in human mononuclear leukocytes. Meurs H, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4217–22

In vitro responsiveness of human asthmatic bronchus to carbachol, histamine, beta-adrenoceptor agonists and theophylline. Goldie RG, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):669–76

The effect of platelet activating factor on pulmonary beta-adrenoceptors. Barnes PJ, et al. **Br J Pharmacol** 1987 Apr;90(4):709–15

Induction in guinea-pigs of airway hyperreactivity and decreased lung beta-adrenoceptor number by 15-hydroperoxy-arachidonic acid. Folkerts G, et al. **Br J Pharmacol** 1983 Dec;80(4):597–9

Effects of a specific bradycardic agent (AQ–A39) and verapamil on beta-adrenergic responses in isolated guinea pig atria. Siegl PK, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):146–51

Interactions of some partial agonists with high and low affinity binding sites in beta-adrenoceptors. Takayanagi I, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):18–22

The effects of 4-hydroxy-2,3-trans-nonenal on beta-adrenoceptors of rat lung membranes. Leurs R, et al. **Chem Biol Interact** 1986 Sep;59(2):211–8

Effect of repeated administration of clenbuterol on the regulation of beta-adrenoceptors in the central nervous system of the rat. Frazer A, et al. **Ciba Found Symp** 1986; 123:170–90

Propranolol treatment externalizes beta-adrenergic receptors in guinea pig myocardium and prevents further externalization by ischemia. Maisel AS, et al. **Circ Res** 1987 Jan;60(1):108–12

Receptor redistribution does not accompany terbutaline-induced down regulation of beta-adrenergic receptors on human mononuclear leukocytes. Maisel AS, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):100–6

Metabolism of exercising skeletal muscle during beta 1-selective adrenoceptor blockade. Hartling OJ, et al. **Clin Physiol** 1986 Oct;6(5):431–8

Studies in vivo and in vitro of terbutaline-induced beta-adrenoceptor desensitization in healthy subjects. Martinsson A, et al. **Clin Sci** 1987 Jan;72(1):47–54

Alpha-adrenoceptor responsiveness in the aged rat. Docherty JR, et al. **Eur J Pharmacol** 1986 Jul 15; 126(1–2):75–80

CGP 20712 A: a useful tool for quantitating beta 1- and beta 2-adrenoceptors. Dooley DJ, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):137–9

Changes in rabbit platelet alpha and beta adrenoceptor number and platelet aggregation. Hamilton CA, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):145–9

Chronic antidepressant treatment reduces central beta-adrenoceptor sensitivity in a behavioural test. Handley SL, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):97–103

Demonstration of the beta 2-adrenoceptor intrinsic efficacy of AY-28,925 using the PGF2 alpha-contracted guinea-pig trachea. Heaslip RJ, et al. **Eur J Pharmacol** 1987 Jun 4; 137(2–3):179–84

Beta 2-adrenoceptor selectivity in four series of beta-adrenoceptor agonists. Johansson LH, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):97–103

Interaction between beta 2- and alpha 2-adrenoceptor responses in the vascular system: effect of clenbuterol. Kazanietz MG, et al. **Eur J Pharmacol** 1986 Oct 14; 130(1–2):119–24

Different types of relationship between beta-adrenergic relaxation and activation of cyclic AMP-dependent protein kinase in canine saphenous and portal veins. Kikkawa F, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):187–94

The potential antidepressant tiflucarbine down-regulates beta-adrenoceptors in rat brain. Schmidt BH, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):27–35

Long-term adrenergic beta-action decreases and alpha-action enhances corticosterone levels in rats. Porta S, et al. **Exp Pathol** 1987;31(1):59–61

Decrease of rat-liver-T4-5'-deiodinase activity during chronical isoprenaline beta-action in vivo. Porta S, et al. **Exp Pathol** 1987;31(3):179–83

In vivo inhibition of polymyxin B-induced hypotension: evidence of beta-adrenergic inhibitory activity on rat mast cells. Botana LM, et al. **Gen Pharmacol** 1986;17(5):615–8

Partial agonists at guinea-pig atrial beta-adrenoceptors display relaxation responses in the guinea-pig ileum independent of beta-adrenoceptor stimulation. Grassby PF, et al. **Gen Pharmacol** 1987;18(1):25–31

Actions of 4-(2-hydroxy-3-[(1-methyl-3-phenylpropyl)= amino]propoxy) benzeneacetamide (KF4317) and labetalol on alpha- and beta-adrenoceptors. Takayanagi I, et al. **Gen Pharmacol** 1986;17(6):651–3

Kaluresis independent K-homeostasis: glucagon and B receptor blockade in pancreatectomized dogs. Hiatt N, et al. **Horm Metab Res** 1986 Nov;18(11):739–42

Inhibition of renin release by analogues of adenosine in rabbit renal cortical slices. Barchowsky A, et al. **Hypertension** 1987 Jun;9(6):619–23

Preserved cardiac beta-adrenergic sensitivity in early renovascular hypertension. Davidson WR Jr, et al. **Hypertension** 1987 May;9(5):467–72

Beta-adrenergic receptors and cAMP levels of rat parotid and submandibular glands during chronic isoproterenol treatment. Humphreys-Beher M, et al. **J Auton Nerv Syst** 1986 Dec;17(4):263–71

Effect of propranolol, alprenolol, pindolol, and bopindolol on beta 2-adrenoceptor density in human lymphocytes. Brodde OE, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 6:S70–3

Influence of beta 1- versus beta 2-adrenoceptor blockade on left ventricular function in humans. Vanhees L, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):1086–91

Effects of amiodarone and desethylamiodarone on rabbit myocardial beta-adrenoceptors and serum thyroid hormones--absence of relationship to serum and myocardial drug concentrations. Venkatesh N, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):989–97

Up-regulation of alpha 2 adrenoceptors and down-regulation of beta 2 adrenoceptors by high-salt diet in normotensive men: enhanced up-regulation of operative (alpha 2:beta 2) adrenoceptor ratio predicts salt sensitivity. Skrabal F, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S196–9

Role of the (acyloxy)methyl moiety in eliciting the adrenergic beta-blocking activity of 3-(acyloxy)propanolamines. Macchia B, et al. **J Med Chem** 1987 Apr;30(4):616–22

Flavones. 1. Synthesis and antihypertensive activity of (3-phenylflavonoxy)propanolamines without beta-adrenoceptor antagonism. Wu ES, et al. **J Med Chem** 1987 May;30(5):788–92

Chronic beta-adrenergic stimulation increases in mice the sensitivity to methysergide and the number of cerebral high affinity serotonin binding sites (5-HT-1). Frances H, et al. **J Neural Transm** 1986;67(3–4):215–24

Effect of the tricyclic antidepressant desipramine on beta-adrenergic receptors in cultured rat glioma C6 cells. Fishman PH, et al. **J Neurochem** 1987 Jul;49(1):282–9

Antidepressant drug-induced changes in brain beta-adrenergic receptors: subcellular studies. Koshikawa N, et al. **J Nihon Univ Sch Dent** 1986 Dec;28(4):232–9

Saliva composition and caries development during protein deficiency and beta-receptor stimulation or inhibition. Johansson I, et al. **J Oral Pathol** 1987 Mar;16(3):145–9

Calculated and actual changes in beta-adrenoceptor number associated with increases in rat and guinea-pig cardiac sensitivity. Chess-Williams RG, et al. **J Pharm Pharmacol** 1986 Dec;38(12):902–6

Comparative studies with the enantiomers of the glycol metabolite of propranolol and their effects on the cardiac beta-adrenoceptor. Ogg GD, et al. **J Pharm Pharmacol** 1987 May;39(5):378–83

Direct versus reflex activation of cardiac beta-adrenoceptors in the chronotropic and inotropic effects of isoprenaline and prenalterol in the conscious dog. Berdeaux A, et al. **J Pharmacol** 1986 Jul–Sep;17(3):266–74

Effects of pindolol and propranolol on beta adrenergic receptors on human lymphocytes. Hedberg A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):117–23

Effects of clenbuterol on central beta-1 and beta-2 adrenergic receptors of the rat. Ordway GA, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):187–95

Quantitative assessment of central beta 1- and beta 2-adrenoceptor regulation using CGP 20712 A. Dooley DJ, et al. **J Pharmacol Methods** 1987 Sep;18(2):131–6

An in vivo cumulative dose-response assay of the myocardial beta-adrenoceptor system. Peterson JT, et al. **J Pharmacol Methods** 1987 Aug;18(1):31–46

Beta receptor sensitivity testing in humans. Wood AJ. **J Recept Res** 1987;7(1–4):523–6

A trial for kinetic evaluation of the antagonistic potency of several beta-antagonists on presynaptic beta-adrenoceptors. Kuwahara M, et al. **Jpn J Pharmacol** 1987 Apr;43(4):445–8

The role of endogenous noradrenaline in the beta-blocker withdrawal phenomenon--studies with cultured heart cells. Reithmann C, et al. **Klin Wochenschr** 1987 Apr 1; 65(7):308–16

Beta-adrenergic agonist-mediated desensitization in senescent rats. Scarpace PJ, et al. **Mech Ageing Dev** 1986 Aug;35(3):255–64

Phenylarsine oxide inhibits agonist-induced changes in photolabeling but not agonist-induced desensitization of the beta-adrenergic receptor. Feldman RD, et al. **Mol Pharmacol** 1986 Nov;30(5):459–62

Comparison of agonist-induced changes in beta- and alpha 1-adrenergic receptors of DDT1 MF-2 cells. Toews ML. **Mol Pharmacol** 1987 Jan;31(1):58–68

Effect of ethanol on mouse cerebral cortical beta-adrenergic receptors. Valverius P, et al. **Mol Pharmacol** 1987 Aug; 32(1):217–22

The role of cyclic AMP in the positive inotropic effect mediated by beta 1- and beta 2-adrenoceptors in isolated human right atrium. Ikezono K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):561–6

Beta 2-adrenoceptor-mediated positive inotropic effect of adrenaline in human ventricular myocardium. Quantitative discrepancies with binding and adenylate cyclase stimulation. Kaumann AJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):403–11

Down regulation of beta-receptors by bupropion and its major metabolite in mouse brain. Perumal AS, et al. **Neuropharmacology** 1986 Dec;25(12):1323–6

Responses of resistance and capacitance vessels in human nasal mucosa to beta-receptor agonists. Konno A, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(4):206–13

Beta-adrenergic agonists reduce spontaneous motor activity through either beta 1 or beta 2 receptors. Frances H, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):11–5

Possible involvement of prostaglandins in cataleptic behavior in rats. Ono N, et al. **Pharmacol Biochem Behav** 1986 Aug; 25(2):463–7

Beta 1- and beta 2-adrenoceptor affinity and stimulatory effects of (S)-pindolol and iodinated (S)-pindolol. Abrahamsson T, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):120–4

Interaction of dopamine, (+/-)-dobutamine and the (-)-enantiomer of dobutamine with alpha- and beta-adrenoceptors in the pulmonary circulation of the dog. Shebuski RJ, et al. **Pharmacology** 1987;34(4):201–12

Lack of effect of chronic imipramine administration on beta-adrenoceptor density on rat lymphocytes. Chalecka-Franaszek E, et al. **Pol J Pharmacol Pharm** 1986 Jul–Aug;38(4):385–90

Effects of chronic cocaine administration on cardiac beta-receptor concentration in rats. Avakian EV, et al. **Proc West Pharmacol Soc** 1987;30:299–301

The cardiac anti-adrenergic effect of adenosine. Dobson JG Jr, et al. **Prog Clin Biol Res** 1987;230:331–43

Characteristics of the beta-adrenergic stimulation of adenylate cyclase activity in rat ventral prostate and its modulation by androgens. Poyet P, et al. **Prostate** 1986; 9(3):237–45

Rapid changes in central beta-adrenergic receptors after chronic intravenous infusion of antidepressants. Sethy VH, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct; 54(1):35–46

The effects of perfluoro-n-decanoic acid (PFDA) on rat heart beta-receptors, adenylate cyclase, and fatty acid composition. Pilcher GD, et al. **Toxicol Appl Pharmacol** 1987 Sep 15;90(2):198–205

Prenatal exposure to methylmercury alters development of adrenergic receptor binding sites in peripheral sympathetic target tissues. Slotkin TA, et al. **Toxicol Lett** 1987 Feb; 35(2–3):285–95

[Effects of Rehmannia glutinosa, Plastrum testudinis, Aconitum carmichaeli and Cinnamomum cassia on the beta-adrenergic receptors of hyperthyroid rat kidneys] Feng GP, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct; 6(10):606–8, 582 (Eng. Abstr.) **(Chi)**

[Blocking effect of puerarin on beta-adrenoceptors of isolated organs and the whole animal] Lu XR, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):537–9 (Eng. Abstr.) **(Chi)**

[Effects of xinchuanling (XC-1) and its derivative XC-2 on adrenoceptors and arterial muscle] Sun YD, et al. **Yao Hsueh Hsueh Pao** 1987 Feb;22(2):81–6 (Eng. Abstr.) **(Chi)**

[The effect of triiodothyronine on the beta adrenergic receptor system in human lymphocytes] Nedvídková J, et al. **Cas Lek Cesk** 1986 Aug 15;125(33):1035–8 (Eng. Abstr.) **(Cze)**

[Desensitization of beta-adrenergic receptors at the bronchopulmonary level] Advenier C, et al. **Therapie** 1986 Nov–Dec;41(6):455–60 (61 ref.) (Eng. Abstr.) **(Fre)**

[Effect of indomethacin on beta adrenergic receptor function in bronchial asthma] Herjavecz I, et al. **Orv Hetil** 1986 Oct 12;127(41):2503–8 (Eng. Abstr.) **(Hun)**

[Changes in the variability of the heart rate induced by controlled respiration and beta-adrenergic block] Guzzetti S, et al. **Cardiologia** 1986 Aug;31(8):613–6 (Eng. Abstr.) **(Ita)**

[Effect of the stimulation and inhibition of beta adrenergic receptors on the contractile function and regional myocardial perfusion] Levantesi D, et al. **Cardiologia** 1987 May;32(5):459–64 (Eng. Abstr.) **(Ita)**

[Effects of exposure to sulfuric acid mist on the induction of experimental asthma in guinea-pigs: studies on the breathing curve pattern and pulmonary beta-adrenergic receptor] Iguchi K, et al. **Arerugi** 1986 Jun;35(6):402–8 (Eng. Abstr.) **(Jpn)**

[Desipramine-induced down regulation of beta-adrenergic receptors: effects of noradrenergic and serotonergic neuronal activities and of alpha 2-adrenergic receptor mediated mechanisms] Matsubara S. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):301–10 (Eng. Abstr.) **(Jpn)**

[Respiratory disease and clinical pharmacology--serum concentration and pharmacological effect of beta-stimulant and theophylline] Yamazaki K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):14–9 (Eng. Abstr.) **(Jpn)**

[Age dependent quantitative evaluations of sensitivity changes in beta adrenergic receptors to isoprenaline and propranolol] Witkowska M. **Kardiol Pol** 1986;29(7):432–9 (Eng. Abstr.) **(Pol)**

[Effect of treatment with pindolol, acebutolol and propranolol on the density of beta-adrenergic receptors in human lymphocytes] Halawa B. **Pol Tyg Lek** 1987 Feb 9;42(6):153–5 (Eng. Abstr.) **(Pol)**

[Characteristics of beta-adrenoreceptors of L-1210 leukemia and its sarcolysine-resistant variant] Khabarov SV. **Biull Eksp Biol Med** 1987 Jun;103(6):715–7 (Eng. Abstr.) **(Rus)**

[In vitro effect of synthetic water-soluble antioxidants of the class of screened phenols on the beta-adrenergic system in the cardiocyte plasma membranes of rats] Khokhlov AP, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):415–7 (Eng. Abstr.) **(Rus)**

[Regional changes in circulation in response to stimulation

of beta-adrenergic receptors with isoproterenol] Kovalev OA, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):396–402 (Eng. Abstr.) **(Rus)**

[Relation between neuronal uptake and beta-adrenoreactivity of the rat heart] Kozlov AG. **Fiziol Zh SSSR** 1986 Aug; 72(8):1101–6 (Eng. Abstr.) **(Rus)**

[Contractile reactions of the small intestine induced by stimulation of beta-adrenoreceptors] Pavlov OG, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):517–23 (Eng. Abstr.) **(Rus)**

[The role of adrenoreceptors in the mechanism of pharmacological action of cavinton] Chikvaidze VN, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):94–6 (Eng. Abstr.) **(Rus)**

[Cholesterol esterase activity in the rat aorta and liver after stimulation and blockade of beta-adrenergic receptors] Dolgov AV, et al. **Vopr Med Khim** 1987 May–Jun; 33(3):92–5 (Eng. Abstr.) **(Rus)**

[Neuromodulator mechanism of the inhibitory effect of deoxycorticosterone on the aggressive-defensive behavior of the rat] Sever'anova LA. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):471–7 (Eng. Abstr.) **(Rus)**

GENETICS

Cloning and sequence analysis of the human brain beta-adrenergic receptor. Evolutionary relationship to rodent and avian beta-receptors and porcine muscarinic receptors. Chung FZ, et al. **FEBS Lett** 1987 Jan 26; 211(2):200–6

Delineation of the intronless nature of the genes for the human and hamster beta 2-adrenergic receptor and their putative promoter regions. Kobilka BK, et al. **J Biol Chem** 1987 May 25;262(15):7321–7

Beta-adrenergic receptor subtype is an intrinsic property of the receptor gene product. Strader CD, et al. **Mol Pharmacol** 1987 Aug;32(1):179–83

Primary structure of the human beta-adrenergic receptor gene. Schofield PR, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3636

cDNA for the human beta 2-adrenergic receptor: a protein with multiple membrane-spanning domains and encoded by a gene whose chromosomal location is shared with that of the receptor for platelet-derived growth factor. Kobilka BK, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):46–50

IMMUNOLOGY

Immunology of muscarinic acetylcholine and beta-adrenergic catecholamine receptors. Hoebeke J, et al. **Acta Med Scand [Suppl]** 1987;715:107–10

Chagasic IgG binds and interacts with cardiac beta adrenoceptor-coupled adenylate cyclase system. Sterin-Borda L, et al. **Int J Immunopharmacol** 1986; 8(6):581–8

Antipeptide antibodies directed against cytoplasmic rhodopsin sequences recognize the beta-adrenergic receptor. Weiss ER, et al. **J Biol Chem** 1987 Mar 25; 262(9):4319–23

Immuno cross-reactivity suggests that catecholamine biosynthesis enzymes and beta-adrenergic receptors may be related. Shorr RG, et al. **Mol Pharmacol** 1987 Aug; 32(1):195–200

ISOLATION & PURIFICATION

Identification of a novel Mr = 76-kDa form of beta-adrenergic receptors. Bahouth SW, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):411–7

Purification and characterization of the beta 2-adrenergic receptor from calf lung. Insoft R, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):345–52

Subtypes of beta-adrenergic receptors in bovine coronary arteries. Vatner DE, et al. **Circ Res** 1986 Oct;59(4):463–73

Biochemical and immunochemical analysis of avian beta 1 and mammalian beta 2-adrenergic receptors. Chapot MP, et al. **J Recept Res** 1987;7(1–4):1–15

METABOLISM

Effects of thyroid hormones and reverse-triiodothyronine (rT3) pretreatment on beta-adrenoreceptors in the rat heart. Szymański PT, et al. **Acta Physiol Pol** 1986 May–Jun; 37(3):131–8

Autoradiographic location of beta-adrenoceptor subtypes in cat colon smooth muscle. Ek B, et al. **Acta Physiol Scand** 1987 Mar;129(3):353–60

A possible role for arachidonic acid metabolism in guinea pig tracheal beta-adrenergic receptor modulation by pulmonary macrophages. Engels F, et al. **Agents Actions** 1986 Dec;19(5–6):357–8

Effects of endogenous redox-active compounds on coupling of human beta 2-adrenergic receptors. Davies AO. **Am J Med Sci** 1986 Nov;292(5):257–63

Age-associated alterations in hepatic beta-adrenergic receptor/adenylate cyclase complex. Graham SM, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E277–82

Increased myocardial beta-receptors and adrenergic responses in hyperthyroid pigs. Hammond HK, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H283–90

Distribution of beta-adrenoceptors associated with cAMP-generating system in cat colon. Taniyama K, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G378–82

Developmental expression and cellular localization of the beta-adrenergic receptor in the murine thymus. Rossi A. **Ann NY Acad Sci** 1987;496:307–9

Metabolism of alpha- and beta-adrenergic receptors in vitro and in vivo. Mahan LC, et al. **Annu Rev Pharmacol Toxicol** 1987;27:215–35 (76 ref.)

Serum creatine kinase release and alpha- and beta-adrenergic receptors. Jingu Y, et al. **Arch Int Pharmacodyn Ther** 1986 Aug;282(2):262–75

Effects of electrical stimulation of the sympathetic nerve on the levels of beta-adrenergic and cholinergic muscarinic receptors and cyclic nucleotides in rat salivary glands. Schneyer CA, et al. **Arch Oral Biol** 1986;31(10):629–32

Effect of platelet-activating factor on beta-adrenoceptors in human lung. Agrawal DK, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):1–6

Reduced sensitivity to catecholamine in Werner's syndrome fibroblasts. Bannai S, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):183–9

Synthetic segments of the mammalian beta AR are preferentially recognized by cAMP-dependent protein kinase and protein kinase C. Blake AD, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):168–73

Heterogeneity of beta-adrenoreceptors in guinea pig alveolar type II cells. Das SK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):898–903

Down-regulation of protein kinase C in rat glioma C6 cells: effects on the beta-adrenergic receptor-coupled adenylate cyclase. Fishman PH, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):620–7

Effect of a high carbohydrate diet on cardiac alpha-1 and beta adrenoceptors. Limas CJ, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):238–43

Concanavalin A prevents phorbol-mediated redistribution of protein kinase C and beta-adrenergic receptors in rat glioma C6 cells. Patel J, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1265–72

Sodium regulation of alpha 2-adrenoreceptors of human platelets: inactivation by 4,4'-diisothiocyano-2,2'-stilbene disulfonic acid (DIDS). Periyasamy SM, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):222–8

Lipolysis and beta-adrenergic receptor binding on adipocytes of spontaneously hypertensive rats. Nelson KM, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):51–60

Interactions of beta-adrenergic receptors with a membrane protein other than the stimulatory guanine nucleotide-binding protein. Abramson SN, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2263–9

(-)[125I]pindolol binding to human peripheral lung beta-receptors. Casale TB, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2557–64

Beta-adrenoceptor sensitivity of brown and white adipocytes after chronic pretreatment of rats with reserpine. Grassby PF, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):155–62

Beta 1-adrenergic selectivity of the new cardiotonic agent denopamine in its stimulating effects on adenylate cyclase. Inamasu M, et al. **Biochem Pharmacol** 1987 Jun 15; 36(12):1947–54

Characterization of the beta 2-adrenoceptor-dependent adenylate cyclase of A431 epidermoid carcinoma cells. Kashles O, et al. **Biochem Pharmacol** 1987 May 1; 36(9):1531–8

Beta-adrenergic receptors in guinea-pig liver plasma membranes and thermal lability of [3H]dihydroalprenolol binding sites. Kawai Y, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4387–93

In vitro pharmacologic activity of congener derivatives and model conjugates of propranolol and practolol. Khan MM, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2175–82

Classification of beta-adrenergic subtypes in immature rabbit bone marrow erythroblasts. Setchenska MS, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3679–84

Deglycosylated mammalian beta 2-adrenergic receptors are still able to undergo functional coupling to Ns. Severne Y, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4375–80

Effects of cell isolation procedures and radioligand selection on the characterization of human leukocyte beta-adrenergic receptors. Szefler SJ, et al. **Biochem Pharmacol** 1987 May 15;36(10):1589–97

Functional and structural characterization of the two beta 1-adrenoceptor forms in turkey erythrocytes with molecular masses of 50 and 40 kilodaltons. Boege F, et al. **Biochemistry** 1987 May 5;26(9):2418–25

Agonist interactions at hepatic alpha 1- and beta-adrenergic receptors: affinity-state regulation by guanine nucleotides and temperature. Schwarz KR, et al. **Biochemistry** 1986 Nov 18;25(23):7782–8

Relationship between beta-adrenoceptors and calcium channels in human ventricular myocardium. Ferry DR, et al. **Br J Pharmacol** 1987 Mar;90(3):447–57

Prejunctional beta-adrenoceptors in rabbit pulmonary artery and mouse atria: effect of alpha-adrenoceptor blockade and phosphodiesterase inhibition. Johnston H, et al. **Br J Pharmacol** 1986 Mar;87(3):553–62

Autoradiographic analysis of the distribution of beta-adrenoceptors in the dog splenic vasculature. Lipe S, et al. **Br J Pharmacol** 1986 Mar;87(3):603–9

Changes in cortical beta-adrenergic receptor density and neuronal sensitivity to norepinephrine accompany morphine dependence and withdrawal. Moises HC, et al. **Brain Res** 1987 Jan 1;400(1):110–26

Beta-adrenergic receptors of cerebellar astrocytes in culture: intact cells versus membrane preparation. Voisin PJ, et al. **Brain Res** 1987 Feb 24;404(1–2):65–79

Effects of age on beta 1- and beta 2-adrenergic receptors in the brain assessed by quantitative autoradiography. Weiland NG, et al. **Brain Res** 1986 Nov 29;398(2):305–12

Autoradiographic localization of beta-adrenergic receptors in the rabbit pituitary. Schimchowitsch S, et al. **Brain Res Bull** 1986 Nov;17(5):705–10

Experimental conditions influence [3H]-dihydroalprenolol binding characteristics to living HeLa cells due to morphological changes: a warning. Rademaker B, et al. **Cell Biochem Funct** 1987 Apr;5(2):143–7

Quantitative autoradiographic delineation of the distribution of beta-adrenergic receptors in canine and feline left ventricular myocardium. Murphree SS, et al. **Circ Res** 1987 Apr;60(4):568–79

Adenylate cyclase coupled beta-adrenergic receptors: biochemical mechanisms of desensitization. Sibley DR, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:3–5

Dynamic exercise-induced increase in lymphocyte beta-2-adrenoceptors: abnormality in essential hypertension and its correction by antihypertensives. Brodde OE, et al. **Clin Pharmacol Ther** 1987 Apr; 41(4):371–9

Beta-adrenergic receptors and oxygen transport. Susanni EE, et al. **Clin Physiol Biochem** 1987;5(2):112–6

Radioligand binding characterization of beta-adrenergic receptors in the protozoa Trypanosoma cruzi. de Castro SL, et al. **Comp Biochem Physiol [C]** 1987;87(1):5–8

Beta-adrenergic receptors and adenylate cyclase activity in diabetic rat fat cells. Chiappe de Cingolani GE. **Diabetes** 1986 Nov;35(11):1229–32

Beta-adrenergic receptors, glucagon receptors, and their relationship to adenylate cyclase in rat liver during aging. Dax EM, et al. **Endocrinology** 1987 Apr;120(4):1534–41

Ovarian adrenergic nerves directly participate in the control of luteinizing hormone-releasing hormone and beta-adrenergic receptors during puberty: a biochemical and autoradiographic study. Marchetti B, et al. **Endocrinology** 1987 Jul;121(1):219–26

The relationship between beta-adrenoceptor regulation and beta-adrenergic responsiveness in hepatocytes. Studies on acquisition, desensitization and resensitization of isoproterenol-sensitive adenylate cyclase in primary culture. Refsnes M, et al. **Eur J Biochem** 1987 Mar 16; 163(3):457–66

Heterogeneous distribution of beta and alpha-2 adrenoceptor binding sites in human fat cells from various fat deposits: functional consequences. Mauriege P, et al. **Eur J Clin Invest** 1987 Apr;17(2):156–65

Increased alpha 2- but similar beta-adrenergic receptor activities in subcutaneous gluteal adipocytes from females compared with males. Richelsen B. **Eur J Clin Invest** 1986 Aug;16(4):302–9

Transdermal delivery of bupranolol: pharmacodynamics and beta-adrenoceptor occupancy. Wellstein A, et al. **Eur J Clin Pharmacol** 1986;31(4):419–22

Haemodynamic, metabolic, and lymphocyte beta 2-adrenoceptor changes following chronic beta-adrenoceptor antagonism. Whyte K, et al. **Eur J Clin Pharmacol** 1987;32(3):237–43

Repeated electroconvulsive shock prevents increased neocortical beta 1-adrenoceptor binding after DSP-4 treatment in rats. Dooley DJ, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):333–7

Regional distribution of myocardial beta-adrenoceptors in the cat. Lathers CM, et al. **Eur J Pharmacol** 1986 Oct 14; 130(1–2):111–7

The distribution of beta-adrenoceptors in dog kidney: an autoradiographic analysis. Lew R, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):1–11

Phospholipase A2 products induce pulmonary beta-adrenoceptor deviations. Raaijmakers JA, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):163–4

Alterations in the myocardial beta-adrenoceptor system of streptozotocin-diabetic rats. Ramanadham S, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):377–89

Alterations in beta-adrenergic receptor binding in partially and fully amygdala-kindled juvenile and adult rats. Michelson HB, et al. **Exp Neurol** 1987 Jan;95(1):56–64

Bromoacetylalprenololmenthane binding to beta-receptors modulates the rate of hormone-induced internalization but not desensitization in S49 cells. Box RJ, et al. **FEBS Lett** 1987 Apr 20;214(2):323–6

Unimpaired coupling of phosphorylated, desensitized beta-adrenoceptor to Gs in a reconstitution system. Keenan AK, et al. **FEBS Lett** 1987 Jun 15;217(2):287–91

Adrenergic receptors in inner and outer layers of human myometrium near term: characterization of beta-adrenergic receptor sites by [125I]-iodocyanopindolol binding. Breuiller M, et al. **Gynecol Obstet Invest** 1987;24(1):28–37

Adaptive regulation of beta-adrenergic receptors in children with insulin dependent diabetes mellitus. Noji T, et al. **Horm Metab Res** 1986 Sep;18(9):604–6

External detection of beta-adrenoreceptors with 125I-hydroxybenzylpindolol in isolated perfused hearts. Hughes B, et al. **Int J Rad Appl Instrum [B]** 1986; 13(5):565–71

Distribution and properties of beta-adrenergic receptors in human iris-ciliary body. Wax MB, et al. **Invest Ophthalmol Vis Sci** 1987 Mar;28(3):420–30

Increased beta 2-adrenoreceptor density in heart, kidney and lung of spontaneously hypertensive rats. Michel MC, et

al. **J Auton Pharmacol** 1987 Mar;7(1):41–51

Beta 2-adrenoreceptor binding sites in circular and longitudinal myometrial layers of the virgin guinea-pig: the influence of ovarian steroids. Pennefather JN, et al. **J Auton Pharmacol** 1986 Sep;6(3):207–13

Purification and characterization of the beta-adrenergic receptor kinase. Benovic JL, et al. **J Biol Chem** 1987 Jul 5;262(19):9026–32

Regulation of adrenergic receptor function by phosphorylation. II. Effects of agonist occupancy on phosphorylation of alpha 1- and beta 2-adrenergic receptors by protein kinase C and the cyclic AMP-dependent protein kinase. Bouvier M, et al. **J Biol Chem** 1987 Mar 5;262(7):3106–13

N-glycosylation in expression and function of beta-adrenergic receptors. George ST, et al. **J Biol Chem** 1986 Dec 15;261(35):16559–64

Mammalian beta 1- and beta 2-adrenergic receptors. Immunological and structural comparisons. Moxham CP, et al. **J Biol Chem** 1986 Nov 5;261(31):14562–70

Regional distribution of beta-adrenoceptors in the human heart: coexistence of functional beta 1- and beta 2-adrenoceptors in both atria and ventricles in severe congestive cardiomyopathy. Brodde OE, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec;8(6):1235–42

Characterization of beta-adrenergic receptors throughout the replicative life span of IMR-90 cells. Scarpace PJ. **J Cell Physiol** 1987 Jan;130(1):163–7

The characteristics of beta-adrenergic binding sites on pancreatic islets of Langerhans. Fyles JM, et al. **J Endocrinol** 1986 Nov;111(2):263–70

Effect of indenolol treatment on beta-adrenergic receptors of polymorphonucleates in essential hypertension. Corradi L, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S137–40

Lymphocyte beta 2-adrenoceptors mirror precisely beta 2-adrenoceptor, but poorly beta 1-adrenoceptor changes in the human heart. Michel MC, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S215–8

5-fluoro- and 8-fluorotrimetoquinol: selective beta 2-adrenoceptor agonists. Clark MT, et al. **J Med Chem** 1987 Jan;30(1):86–90

Beta-adrenoceptor antagonist activity of bivalent ligands. 1. Diamide analogues of practolol. Kizuka H, et al. **J Med Chem** 1987 Apr;30(4):722–6

Carbostyril derivatives having potent beta-adrenergic agonist properties. Milecki J, et al. **J Med Chem** 1987 Sep; 30(9):1563–6

Agonist-induced regulation of adrenoceptor subtypes in cerebral cortical slices. Nukina I, et al. **J Neurochem** 1987 Aug;49(2):389–92

Changes in beta-adrenergic receptor subtypes in Alzheimer-type dementia. Shimohama S, et al. **J Neurochem** 1987 Apr;48(4):1215–21

Cardiac beta-adrenergic receptors in diabetic rats: alteration of guanyl nucleotide regulation. Cros GH, et al. **J Pharmacol** 1986 Oct-Dec;17(4):595–600

Interaction of beta adrenergic agonists and antagonists with brain beta adrenergic receptors in vivo. Conway PG, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):755–62

Interactions of beta adrenergic antagonists with isolated rat alveolar type II pneumocytes. I. Analysis, characterization and regulation of specific beta adrenergic receptors. Fabisiak JP, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):722–7

Interactions of beta adrenergic antagonists with isolated rat alveolar type II pneumocytes. II. Receptor-independent accumulation of beta adrenergic antagonists and other cationic amphiphilic drugs in lamellar bodies. Fabisiak JP, et al. **J Pharmacol Exp Ther** 1987 May;241(2):728–35

Beta adrenoceptor modulation of the generation of murine cytotoxic T lymphocytes in vitro. Hatfield SM, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):460–6

Beta-2 adrenoceptor-mediated relaxation of the isolated human saphenous vein. Ikezono K, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):294–9

Specialization in beta-1 and beta-2 adrenoceptor distribution in veins of the rabbit face: relationship to myogenic tone and sympathetic nerve innervation. McPherson GA, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):99–105

Characterization of beta-1 and beta-2 adrenoceptors in guinea pig atrium: functional and receptor binding studies. Molenaar P, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1041–7

Decline in beta adrenergic receptor-mediated vascular relaxation with aging in man. Pan HY, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):802–7

Bovine anterior descending coronary artery possesses a homogeneous population of beta-1 adrenergic receptors. Purdy RE, et al. **J Pharmacol Exp Ther** 1986 Dec; 239(3):634–40

Age-related decrease in beta adrenergic receptor-mediated vascular smooth muscle relaxation. Tsujimoto G, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):411–5

Selective regulation of beta-2 adrenergic receptors by the chronic administration of the lipophilic beta adrenergic receptor agonist clenbuterol: an autoradiographic study. Vos P, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):707–12

The binding of agonists and antagonists to rat lung beta-adrenergic receptors as investigated by thermodynamics and structure-activity relationships. Bree F, et al. **J Recept Res** 1986;6(5–6):381–409

Beta-adrenergic receptor-adenylate cyclase system in the myocardium of spontaneously hypertensive rats and changes in the components of this system during aging. Murakami T, et al. **Jpn Circ J** 1986 Oct;50(10):1015–7

Evidence for the existence of stereoselective presynaptic beta 1-adrenoceptors on noradrenergic and dopaminergic neurons in the rat hypothalamus. Chang CC, et al. **Jpn J Pharmacol** 1986 Nov;42(3):447–9

A beta-adrenergic partial agonist (befunolol) discriminates two different affinity sites. Koike K, et al. **Jpn J Pharmacol** 1986 Oct;42(2):325–8

A bromoacetylated analogue of cyanopindolol: an irreversible antagonist at rat beta-adrenoceptors. Kusiak JW, et al. **Life Sci** 1987 Jul 6;41(1):15–23

Down-regulation of rat liver beta-adrenergic receptors by cysteine. Loo G, et al. **Life Sci** 1986 Oct 27;39(17):1555–61

High affinity binding of reovirus type 3 to cells that lack beta adrenergic receptor activity. Sawutz DG, et al. **Life Sci** 1987 Jan 26;40(4):399–406

Structural derivatives of pindolol: relationship between in vivo and in vitro potencies for their interaction with central beta-adrenergic receptors. Tejani-Butt SM, et al. **Life Sci** 1987 Aug 24;41(8):995–1002

Temperature-dependent binding of hydrophilic beta-adrenergic receptor ligands to intact human lymphocytes. Thede-Reynolds KR, et al. **Life Sci** 1986 Oct 13;39(15):1325–34

Beta-adrenoceptors in human tracheal smooth muscle: characteristics of binding and relaxation. van Koppen CJ, et al. **Life Sci** 1987 Jun 29;40(26):2561–70

Beta-adrenergic ([3H] CGP-12177) receptors are elevated in slices of soleus muscle from CHE 147 dystrophic hamsters. Watson-Wright WM, et al. **Life Sci** 1987 Mar 23;40(12):1171–7

Beta-adrenergic receptor properties of a pulmonary alveolar type II cell preparation from the adult rat. Jones LG, et al. **Lung** 1987;165(4):201–11

Concerning the way to study the relative potencies of bronchodilator agents in vitro [letter] Raaijmakers JA, et al. **Lung** 1986;164(5):303–8

The inverse relationship between drug affinity and effectiveness: prediction under rate theory, paradox under occupancy theory. O'Brien DR. **Med Hypotheses** 1987 Jul; 23(3):327–33

Reduction of a metal or disulfide bond associated with the receptor: a general hypothesis for the mechanism of action of adrenergic agents. Peterson DA, et al. **Med Hypotheses** 1987 Jan;22(1):35–44

Reconstitution of calmodulin-sensitive adenylate cyclase from bovine brain with phospholipids, calmodulin, and beta-adrenergic receptors. Rosenberg GB, et al. **Methods Enzymol** 1987;139:776–91

Evidence of beta-adrenergic involvement in forced swimming-induced behavioural despair of mice. Parale MP, et al. **Methods Find Exp Clin Pharmacol** 1987 Jan; 9(1):35–8

Beta-adrenergic stimulation of c-fos gene expression in the mouse submandibular gland. Barka T, et al. **Mol Cell Biol** 1986 Aug;6(8):2984–9

Adenovirus type 12 transformation involves loss of beta-adrenergic receptors and isoproterenol responsiveness. Ledinko N, et al. **Mol Cell Biol** 1982 Jul; 2(7):805–14

Characteristics of the beta-adrenergic receptor in the rat ventral prostate using [125I]cyanopindolol. Poyet P, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):59–67

Interactions of amiloride with alpha- and beta-adrenergic receptors: amiloride reveals an allosteric site on alpha 2-adrenergic receptors. Howard MJ, et al. **Mol Pharmacol** 1987 Jul;32(1):53–8

A quantitative method of analyzing the interaction of slightly selective radioligands with multiple receptor subtypes. McGonigle P, et al. **Mol Pharmacol** 1986 Oct;30(4):329–37

Glucocorticoid regulation of beta-adrenergic receptors in 3T3-L1 preadipocytes. Nakada MT, et al. **Mol Pharmacol** 1987 Apr;31(4):377–84

Structure-activity relationships of beta-adrenergic receptor-coupled adenylate cyclase: implications of a redox mechanism for the action of agonists at beta-adrenergic receptors. Wong A, et al. **Mol Pharmacol** 1987 Apr; 31(4):368–76

Ligand binding to the beta-adrenergic receptor involves its rhodopsin-like core. Dixon RA, et al. **Nature** 1987 Mar 5–11;326(6108):73–7

Evidence for prejunctionally located beta 2-adrenoceptors in the cat spleen. Dahlöf C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):362–7

Regulation of alpha and beta adrenergic receptors by triiodothyronine in cultured rat myocardial cells. Kupfer LE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov;334(3):275–81

Alterations in beta-adrenoceptor number and catecholamine content of chick atria after reversible sympathetic denervation with 6-hydroxydopamine. Williams K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):64–9

Beta-adrenergic receptors on lymphoblasts. A study of manic-depressive illness. Berrettini WH, et al. **Neuropsychobiology** 1987;17(1–2):15–8

Modulation of beta-adrenergic receptors in the pituitary gland following adrenalectomy in rats. De Souza EB. **Neurosci Lett** 1987 Jan 27;73(3):281–6

Autoradiographic evidence for beta-adrenergic receptors on capsaicin-sensitive primary afferent terminals in rat spinal cord. Patterson SI, et al. **Neurosci Lett** 1987 Jul 9; 78(1):17–21

Beta-adrenergic receptors and cyclic adenosine monophosphate generation in human fetal lung. Davis DJ, et al. **Pediatr Res** 1987 Feb;21(2):142–7

The beta-adrenoceptor-adenylate cyclase complex. From model to biochemical reality. Ijzerman AP, et al. **Pharm Weekbl [Sci]** 1986 Aug 22;8(4):209–22

Increase in beta- and alpha 1-adrenoceptor binding sites in the rat brain and in the alpha 1-adrenoceptor functional sensitivity after the DSP-4-induced noradrenergic denervation. Mogilnicka E. **Pharmacol Biochem Behav** 1986 Oct;25(4):743–6

Effect of chronic nicotine treatment against repeated immobilization stress. Yamanaka K, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):259–63

Age-dependent day/night variations of alpha 1- and beta-adrenoceptors in the rat cerebral cortex. Nowak G, et al. **Physiol Behav** 1986;38(1):53–5

Phosphorylation/dephosphorylation of the beta-adrenergic receptor regulates its functional coupling to adenylate cyclase and subcellular distribution. Sibley DR, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9408–12

Identification of residues required for ligand binding to the beta-adrenergic receptor. Strader CD, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4384–8

A competitive receptor binding radioassay for beta-1 and beta-2 adrenergic agents. Hussain MN, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):89–92

Beta adrenergic and muscarinic receptor densities of rat submandibular main duct. Schneyer CA, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):81–3

Down-regulation of glucocorticoid and beta-adrenergic receptors on lectin-stimulated splenocytes. Westly HJ, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):211–8

Experimentally induced effects of diabetes on the rat myocardial beta-adrenoceptor system. Ramanadham S, et al. **Proc West Pharmacol Soc** 1986;29:23–5

Neuropeptide Y receptor interaction with beta-adrenoceptor coupling to adenylate cyclase. Olasmaa M, et al. **Prog Brain Res** 1986;68:337–41 (18 ref.)

Beta-adrenoceptors on lymphocytes of patients with major depressive disorder. Carstens ME, et al. **Psychiatry Res** 1987 Mar;20(3):239–48

Aminergic receptor binding correlates of suicide: methodological issues. Mann JJ, et al. **Psychopharmacol Bull** 1986;22(3):741–3

Time-related asymmetric changes of brain microvessel beta-adrenergic receptors in the two hemispheres after carotid occlusion. Magnoni MS, et al. **Stroke** 1986 Sep-Oct; 17(5):966–9

Characterization of functional beta-adrenoceptor subtypes in rabbit urinary bladder smooth muscle. Morita T, et al. **Tohoku J Exp Med** 1986 Aug;149(4):389–95

[A preliminary study on the mechanism of changes of beta and M receptors in the lung tissue of guinea pigs with experimental allergic asthma] Lu BZ. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):401–4, 448 (Eng. Abstr.) **(Chi)**

[Catecholamine behavior, adrenoreceptor density of intact cells and sensitivity to catecholamines in a patient with orthostatic hypotension] Lehmann M, et al. **Klin Wochenschr** 1986 Dec 1;64(23):1249–54 (Eng. Abstr.) **(Ger)**

[Changes in beta-adrenergic receptor density in congestive heart failure and myocardial hypertrophy] Ogawa K. **Kokyu To Junkan** 1987 Mar;35(3):251–4 **(Jpn)**

[Alterations in cholinergic and adrenergic receptors in senile dementia of the Alzheimer's-type] Shimohama S, et al. **Rinsho Shinkeigaku** 1986 Dec;26(12):1294–7 (Eng. Abstr.) **(Jpn)**

[Interaction between receptors and biologically active substances in tumor cells] Solntseva TI, et al. **Vestn Akad Med Nauk SSSR** 1986;(8):23–31 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Impact of beta 1 selectivity and intrinsic sympathomimetic activity on potential unwanted noncardiovascular effects of beta blockers. Kendall MJ. **Am J Cardiol** 1987 May 15; 59(13):44F–47F

The effects of beta-adrenergic drugs on the human sperm motility in vitro. I. The effects of propranolol and isoprenaline. Semczuk M. **Andrologia** 1987 Jun;19 Spec No:256–61

PHYSIOLOGY

Beta-receptor-mediated vasodilation in cerebral arteries of the pig. Wang JY, et al. **Acta Physiol Scand [Suppl]** 1986; 552:41–4

Choline plasmalogens, glycerophospholipid methylation, and receptor-mediated activation of adenylate cyclase. Horrocks LA, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1986; 20:263–92 (144 ref.)

Kinetic analysis of cardiac beta-receptors in perfused working rabbit hearts. Rhee HM. **Adv Exp Med Biol** 1986; 200:385–91

Regulation of parotid kallikrein secretion-role of the alpha

2- and beta-adrenergic system. Röckel A, et al. **Adv Exp Med Biol** 1986;198 Pt A:273-7
Disturbance of mice tracheal beta-adrenoceptor and cholinergic receptor function by Bordetella pertussis and its cell wall components. Veenendaal GH, et al. **Agents Actions** 1986 Dec;19(5-6):366-7
Molecular and functional properties of beta-adrenergic receptors. Strosberg AD. **Am J Cardiol** 1987 May 15; 59(13):3F-9F
Mitral valve prolapse with symptoms of beta-adrenergic hypersensitivity. Beta 2-adrenergic receptor supercoupling with desensitization on isoproterenol exposure. Davies AO, et al. **Am J Med** 1987 Feb;82(2):193-201
Specific alpha 1-, alpha 2-, and beta-responses to norepinephrine in pyruvate-perfused rat kidneys. Baines AD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F170-6
Adenosine inhibits beta-adrenoceptor but not DBcAMP-induced renin release. Deray G, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F46-52
Evidence for reflex adrenergic inhibition of acid secretion in the conscious rat. Dimaline R, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G615-8
Role of adrenergic-dependent H+ release from red cells in acidosis induced by hypoxia in trout. Fievet B, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R269-75
Beta-adrenergic function in a congestive cardiomyopathy model. Staley NA, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H334-9
Sexual dimorphism in adrenergic regulation of hepatic glycogenolysis. Studer RK. **Am J Physiol** 1987 Apr;252(4 Pt 1):E467-76
Effects of thyroid hormone on beta-adrenergic responsiveness of aging cardiovascular systems. Tsujimoto G, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H513-20
Cystic fibrosis and beta-adrenergic response of airway epithelial cell cultures. Widdicombe JH. **Am J Physiol** 1986 Oct;251(4 Pt 2):R818-22
Absence of beta-adrenergic receptor involvement in cerebrovascular dilation by halothane in monkeys. Nikki PH, et al. **Anesth Analg** 1987 Jan;66(1):39-46
Impaired adaptive receptor regulation: an index of aging? Piantanelli L, et al. **Arch Gerontol Geriatr** 1986 Dec; 5(4):325-32
Some relevance of presynaptic beta-adrenoceptors to development of hypertension in spontaneously hypertensive rats. Misu Y, et al. **Arch Int Pharmacodyn Ther** 1987 Jun;287(2):299-308
Beta-adrenergic receptors in human trabecular meshwork [letter] Jampel HD, et al. **Arch Ophthalmol** 1987 Jan; 105(1):22
Alterations of beta-adrenoceptors subsequent to myocardial infarction. Dominiak P, et al. **Basic Res Cardiol** 1986;81 Suppl 1:243-51
Opioid peptidergic systems modulate the activity of beta-adrenergic mechanisms during memory consolidation processes. Introini-Collison IB, et al. **Behav Neural Biol** 1986 Sep;46(2):227-41
Evidence for the presence of functional beta-adrenoceptor along the proximal tubule of the rat kidney. Jacobs WR, et al. **Biochem Biophys Res Commun** 1986 Nov 26; 141(1):334-9
Emergence of beta adrenergic-responsive hepatic glycogenolysis in male rats during post-maturational aging. Katz MS, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):724-30
Mechanism of inverse regulation of alpha 1- and beta-adrenergic receptors. Kunos G, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1185-91 (60 ref.)
Life cycles of cardiac alpha 1- and beta-adrenergic receptors. Maisel AS, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):1-6 (42 ref.)
Beta 2-adrenergic regulation of prostaglandin D2 receptor in rabbit platelets. Hanasaki K, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):261-8
Cardiovascular beta-adrenoceptor sensitivity of undernourished subjects. Jayarajan MP, et al. **Br J Nutr** 1987 Jul;58(1):5-11
Paf-acether-induced death in mice: involvement of arachidonate metabolites and beta-adrenoceptors. Criscuoli M, et al. **Br J Pharmacol** 1987 Jan;90(1):203-9
Effects of unilateral decortication on beta-adrenergic receptors in the remaining cortex and in the hypothalamus of female rats. Bedran de Castro JC, et al. **Brain Res** 1986 Oct 1;384(1):11-6
Role of beta 2-adrenoceptors in the biological effect of autoimmune orchitis spleen cells. Borda E, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1091-5
Beta-adrenergic regulation of cardiac myosin. Winegrad S, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):606-9
The carboxyl terminus of the hamster beta-adrenergic receptor expressed in mouse L cells is not required for receptor sequestration. Strader CD, et al. **Cell** 1987 Jun 19;49(6):855-63
Adrenergic receptors and the control of cell division in the intestinal epithelium [letter] Tutton PJ. **Cell Tissue Kinet** 1986 Sep;19(5):577-9
Beta-adrenoceptor function in human adult skin fibroblasts: a study of manic-depressive illness. Berrettini WH, et al. **Ciba Found Symp** 1986;123:30-41
The effects of electroconvulsive therapy and antidepressant drugs on monoamine receptors in rodent brain--similarities and differences. Green AR, et al. **Ciba Found Symp** 1986; 123:246-67
Beta 1- and beta 2-adrenergic-receptor subpopulations in nonfailing and failing human ventricular myocardium: coupling of both receptor subtypes to muscle contraction and selective beta 1-receptor down-regulation in heart failure. Bristow MR, et al. **Circ Res** 1986 Sep;59(3):297-309
Catecholamine-induced myocardial potassium uptake mediated by beta 1-adrenoceptors and adenylate cyclase activation in the pig. Ellingsen O, et al. **Circ Res** 1987 Apr; 60(4):540-50
Association of decreased myocardial beta-receptors and chronotropic response to isoproterenol and exercise in pigs following chronic dynamic exercise. Hammond HK, et al. **Circ Res** 1987 May;60(5):720-6
Sympathetic reflex control of skeletal muscle blood flow in patients with congestive heart failure: evidence for beta-adrenergic circulatory control. Kassis E, et al. **Circulation** 1986 Nov;74(5):929-38
Atrial natriuretic peptide and the natriuresis due to acute beta-blockade in conscious hypertensive rats. Pettersson K, et al. **Clin Exp Hypertens [A]** 1987;9(1):95-107
The balance between vascular alpha- and beta-adrenoceptors is not changed in the elderly. Klein C, et al. **Clin Pharmacol Ther** 1987 Sep;42(3):260-4
Impaired regulation of alpha- and beta-adrenoceptor function in chronic renal insufficiency. Brodde OE, et al. **Contrib Nephrol** 1986;50:28-35
Interaction between alpha 2- and beta 2-adrenergic receptors in rabbit ciliary processes. Bausher LP, et al. **Curr Eye Res** 1987 Mar;6(3):497-505
Beta 2-adrenoceptor induced increase of plasma insulin levels in man: evidence of direct and indirect B-cell stimulation and liver effects. Ahrén B, et al. **Diabetes Res** 1986 Nov; 3(9):443-5
Effects of N-ethylmaleimide on gonadotropin and beta-adrenergic receptor function coupled to rabbit luteal adenylyl cyclase. Sigafoos JF, et al. **Endocrinology** 1986 Oct;119(4):1432-8
Rhythmicity of triiodothyronine generation by type II thyroxine 5'-deiodinase in rat pineal is mediated by a beta-adrenergic mechanism. Tanaka K, et al. **Endocrinology** 1987 Jul;121(1):74-7
Activation of sodium transport in human erythrocytes by beta-adrenoceptor stimulation in vivo. Bodemann HH, et al. **Eur J Appl Physiol** 1987;56(4):375-80
Function of the delipidated beta-adrenergic receptor appears to require a fatty acid or a neutral lipid in addition to phospholipids. Kirilovsky J, et al. **Eur J Biochem** 1987 Jul 1;166(1):221-8
Adrenomedullary and beta-adrenergic participation in enhanced sympathetic pressor responses of spontaneously hypertensive rats. Bucher B, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):233-8
Diminished beta-adrenoceptor-mediated relaxation of arteries from spontaneously hypertensive rats before and during development of hypertension. Fujimoto S, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):179-87
Further evidence that a beta-adrenergic mechanism regulates water intake: role of the subfornical organ. Gomez RE, et al. **Eur J Pharmacol** 1986 Jul 15;126(1-2):69-73
Behavioural evidence for an interdependence between GABAA receptors and beta 2-adrenoceptors. Singh L, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):419-21
Aging and platelet beta-adrenoceptor function. Winther K, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):219-23
Adrenergic activity on rat pleural and peritoneal mast cells. Loss of beta-receptors during the purification procedure. Botana LM, et al. **Gen Pharmacol** 1987;18(2):141-8
Involvement of central alpha-pressor and beta-depressor adrenoceptors in the cardiovascular response to intracerebroventricular catecholamines in the rat. Peres-Polon VL, et al. **Gen Pharmacol** 1987;18(2):159-64
Plasma renin activity, active and inactive renin concentrations, and their responses to beta 1-adrenoceptor blockade with metoprolol in hyperthyroidism. Baba T, et al. **Horm Metab Res** 1986 Sep;18(9):630-4
Age-related changes in beta-adrenoceptors of lymphocytes. Kohno A, et al. **Immunol Lett** 1986 Aug;13(1-2):79-82
Age-related changes of beta-adrenoceptors in spleen lymphocytes and cerebral cortex of NZB/BIN mice. Kohno A, et al. **Immunol Lett** 1986 Nov 17;14(1):75-8
Characterization of beta-adrenergic receptors in dispersed rat testicular interstitial cells. Poyet P, et al. **J Androl** 1987 Jan-Feb;8(1):7-13
Prejunctional beta 1-adrenoceptors inhibit cholinergic transmission in canine bronchi. Danser AH, et al. **J Appl Physiol** 1987 Feb;62(2):785-90
Exercise-induced functional desensitization of canine cardiac beta-adrenergic receptors. Friedman DB, et al. **J Appl Physiol** 1987 Apr;62(4):1721-3
Adrenergic and local control of O2 uptake during and after severe hypoxia. King CE, et al. **J Appl Physiol** 1986 Nov; 61(5):1920-7
Influence of beta-adrenergic blockade on the control of sweating in humans. Mack GW, et al. **J Appl Physiol** 1986 Nov;61(5):1701-5
Coronary artery vasodilation in the canine: physiological and pharmacological roles of beta-adrenergic receptors. Jackson CV, et al. **J Cardiovasc Pharmacol** 1987 Aug; 10(2):196-204
Stimulation of beta-adrenoceptors inhibits calcium-dependent potassium-channels in mouse macrophages. Rosati C, et al. **J Cell Physiol** 1986 Dec; 129(3):310-4
Cardiac function as related to adrenergic activity in hypertensive left ventricular hypertrophy. Agabiti-Rosei E, et al. **J Clin Hypertens** 1987 Jun;3(2):203-10
Effects of beta non-selective and beta 1 selective adrenergic blocking agents on glucagon secretion from isolated perfused rat pancreas. Gregorio F, et al. **J Endocrinol Invest** 1986 Jun;9(3):209-15
Enhanced stimulus-induced neurotransmitter overflow in epinephrine-induced hypertensive rats is not mediated by prejunctional beta-adrenoceptor activation. Eikenburg DC, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S226-9
Glucocorticoid-induced modulation of the beta-adrenergic adenylate cyclase response of epidermis: its relation to epidermal phospholipase A2 activity. Iizuka H, et al. **J Invest Dermatol** 1986 Nov;87(5):577-81
Transient catecholamine modulation of neutrophil activation: kinetic and intracellular aspects of isoproterenol action. Tecoma ES, et al. **J Leukocyte Biol** 1986 Nov;40(5):629-44
Influence of beta-adrenoceptor-mediated relaxation on alpha-adrenoceptor-mediated contraction of rat pulmonary artery to adrenaline or noradrenaline. O'Donnell SR, et al. **J Pharm Pharmacol** 1987 Apr; 39(4):278-82
Incubated or superfused rat lung parenchymal strip: a valid preparation for direct measurement of beta-responses. Candenas ML, et al. **J Pharmacol** 1986 Oct-Dec; 17(4):637-43
Regulation of beta adrenergic receptors on rat mononuclear leukocytes by stress: receptor redistribution and down-regulation are altered with aging. De Blasi A, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):228-33
Ablation of the myenteric plexus impairs alpha but not beta adrenergic receptor-mediated mechanical responses of rat jejunal longitudinal muscle. Fox DA, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):9-14
Evaluation of the alpha and beta adrenoceptor-mediated activities of the novel, orally active inotropic agent, ibopamine, in the cardiovascular system of the pithed rat: comparison with epinine and dopamine. Nichols AJ, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):455-63
Down regulation of beta adrenergic receptors in S49 lymphoma cells induced by atypical agonists. Reynolds EE, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):654-60
The role of alpha and beta receptors and their regulation of 5-HT metabolism of the rat brain in electroacupuncture analgesia. Wang YJ, et al. **J Tradit Chin Med** 1987 Mar; 7(1):57-62
The mechanism of the control of renin release by beta-adrenergic receptors. Suzuki S, et al. **Jpn Heart J** 1986 Nov;27(6):871-80
Beta-adrenergic regulation of secretion from Clara cell adenomas of the mouse lung. Palmer KC, et al. **Lab Invest** 1987 Mar;56(3):329-34
The effect of muscarinic and beta-adrenergic blockade on cysteamine-induced gastrin secretion by the isolated perfused rat stomach. McIntosh CH, et al. **Life Sci** 1987 Sep 28;41(13):1615-20
Phorbol ester-mediated inhibition of vasopressin and beta-adrenergic responses in a vascular smooth muscle cell line. Aiyar N, et al. **Mol Pharmacol** 1987 Feb;31(2):180-4
Subendothelial beta 2-adrenoceptors in the rat vena cava: facilitation of noradrenaline release via local stimulation of angiotensin II synthesis. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):156-65
Age-related alterations in alpha 1- and beta-adrenoceptors mediated responsiveness of rat aorta. Hyland L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):50-3
The release of choline from phospholipids mediated by beta-adrenoceptor activation in isolated hearts. Lindmar R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):228-33
The serotonin/noradrenaline-link in brain. I. The role of noradrenaline and serotonin in the regulation of density and function of beta adrenoceptors and its alteration by desipramine. Manier DH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):109-14
Activation of the CNS noradrenergic system may inhibit as well as facilitate pituitary luteinizing hormone release. Taleisnik S, et al. **Neuroendocrinology** 1986;44(2):265-8
Down-regulation of serotonin2, but not of beta-adrenergic receptors during chronic treatment with amitriptyline is independent of stimulation of serotonin2 and beta-adrenergic receptors. Scott JA, et al. **Neuropharmacology** 1986 Dec;25(12):1301-6
Beta-adrenoceptor function in white blood cells from newborn infants: no relation to plasma catecholamine levels. Boreus LO, et al. **Pediatr Res** 1986 Nov; 20(11):1152-5
Effects of beta-adrenoceptor stimulation on intracellular Ca transients and tension in rat ventricular muscle. Kurihara S, et al. **Pflugers Arch** 1987 Aug;409(4-5):427-37
Are beta- and alpha 2-adrenoceptors co-regulated during their stimulation? Behavioral studies. Mogilnicka E. **Pol J Pharmacol Pharm** 1986 Sep-Dec;38(5-6):521-8
cAMP-mediated protein phosphorylation of microsomal membranes increases mannosylphosphodolichol synthase activity. Banerjee DK, et al. **Proc Natl Acad Sci USA** 1987

Sep;84(18):6389–93

Adrenergic receptors mediating prostaglandin production in the rabbit vas deferens. Trachte GJ. **Prostaglandins** 1987 Jan;33(1):25–35

Effect of temperature on beta receptor responsiveness in guinea pig pulmonary tissues. Venugopalan CS, et al. **Res Commun Chem Pathol Pharmacol** 1986 Sep; 53(3):275–88

Aging: effect on the biochemistry of beta-adrenergic catecholamine action. Krall JF. **Rev Clin Basic Pharm** 1985 Jan–Jun;5(1–2):159–74 (71 ref.)

[Beta-adrenergic receptors in the brain, molecular mechanisms and regulation] Staneva-Stoicheva D, et al. **Eksp Med Morfol** 1986;25(3):1–6 **(Bul)**

[The role of alpha and beta receptors and their effects on 5-HT metabolism in acupuncture analgesia] Wang YJ, et al. **Chen Tzu Yen Chiu** 1987;12(1):62–7 (Eng. Abstr.) **(Chi)**

[Assay of beta-adrenergic receptor function and evaluation of the preventive effects of wen yang pills in asthmatics] Hu GR. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb; 7(2):71–4, 67 (Eng. Abstr.) **(Chi)**

[Adrenergic receptors in physiopathology and clinical medicine: current role and research prospectives] Campanacci L, et al. **G Clin Med** 1986 Aug;67(4):195–205 **(Ita)**

[Study of the continence mechanism—the role of the beta adrenergic receptor in the proximal urethra] Kamura K, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb; 78(2):274–80 (Eng. Abstr.) **(Jpn)**

[Pharmacological analysis of the function of the canine proximal urethra] Kobayashi M. **Nippon Hinyokika Gakkai Zasshi** 1986 Oct;77(10):1566–77 (Eng. Abstr.) **(Jpn)**

[A study on the renal action of beta 1- and beta 2-adrenoceptors in rats] Yamazaki N, et al. **Nippon Yakurigaku Zasshi** 1986 Oct;88(4):271–7 (Eng. Abstr.) **(Jpn)**

[Effect of a physical load on the adrenergic receptor function of peripheral blood lymphocytes and thrombocytes in healthy donors] Korichneva IL, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):83–7 (Eng. Abstr.) **(Rus)**

[Effect of beta-adrenoreceptor blockade on the filtration-absorption function of the vascular bed of the skeletal musculature of the cat] Savel'ev AK. **Fiziol Zh SSSR** 1986 Sep;72(9):1269–74 (Eng. Abstr.) **(Rus)**

[Mechanism of the formation of a receptor response] Kats MM. **Izv Akad Nauk SSSR [Biol]** 1987 May–Jun;(3):469–73 (17 ref.) (Eng. Abstr.) **(Rus)**

[The role of the beta-adrenergic system in the function of calcium-regulating glands] Zoloev GK, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):60–3 (Eng. Abstr.) **(Rus)**

[Hormonal level and target-cell innervation in the functional development of a beta-adrenoreceptor–adenylate cyclase membrane complex] Pertseva MN. **Usp Fiziol Nauk** 1986 Oct–Dec;17(4):57–67 (40 ref.) **(Rus)**

RECEPTORS, ALPHA ADRENERGIC see **RECEPTORS, ADRENERGIC, ALPHA**

RECEPTORS, ANDROGEN

ANALYSIS

Determination of estrogen and androgen receptors in Trichomonas vaginalis and the effects of antihormones. Ford LC, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1119–21

Androgen binding in prostatic carcinoma by histochemistry: update 1985. Pertschuk LP, et al. **Appl Pathol** 1985; 3(4):221–9

Androgen receptors in normal and neoplastic laryngeal tissue. Večerina-Volić S, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):411–3

Steroid receptors and histological types in cervical cancer. Fujimoto J, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):541–8

Androgen receptor concentrations in the diethylnitrosamine model of hepatic carcinogenesis. Bannister P, et al. **Br J Cancer** 1986 Nov;54(5):857–9

Cytosol androgen receptors in guinea pig brain and pituitary. Bonneau M, et al. **Brain Res** 1987 Jun 9;413(1):104–10

Androgen receptors in biopsy specimens of prostate adenocarcinoma. Heterogeneity of distribution and relation to prognostic significance of receptor measurements for survival of advanced cancer patients. Gorelic LS, et al. **Cancer** 1987 Jul 15;60(2):211–9

Androgen receptor, testosterone uptake and karyotype in androgen-dependent mouse tumor (SC 115) and its androgen-independent subline (CS 2). Zama S, et al. **Endocrinol Jpn** 1987 Apr;34(2):279–89

Effect of spironolactone and potassium canrenoate on cytosolic and nuclear androgen and estrogen receptors of rat liver. Francavilla A, et al. **Gastroenterology** 1987 Oct; 93(4):681–6

Sex hormone-related functions in regenerating male rat liver. Francavilla A, et al. **Gastroenterology** 1986 Nov; 91(5):1263–70

Estrogen synthesizing rare malignant Brenner tumor of the ovary with the presence of progesterone and androgen receptors in the absence of estrogen receptors. Kühnel R, et al. **Gynecol Oncol** 1987 Feb;26(2):263–9

Partial androgen receptor deficiency and mixed gonadal dysgenesis in Drash syndrome. Turleau C, et al. **Hum Genet** 1987 Jan;75(1):81–3

Intranuclear distribution of androgen receptors in human prostate carcinoma. Kyprianou N, et al. **J Endocrinol** 1987 Jan;112(1):161–9

A new method for labeling and autoradiographic localization of androgen receptors. Peters CA, et al. **J Histochem Cytochem** 1987 Jul;35(7):755–62

Genital fibroblasts from normal individuals and patients with androgen insensitivity: demonstration of reduced or absent levels of a specific protein (Mr approximately 41K, pI approximately 6) in receptor negative cells. Gyorki S, et al. **J Steroid Biochem** 1987 Jan;26(1):7–14

Estrogen and androgen receptors in the liver of cynomolgus monkeys (Macaca fascicularis). Marschke KB, et al. **J Steroid Biochem** 1987 Apr;26(4):443–50

Hormonal receptors in juvenile nasopharyngeal angiofibroma. Farag MM, et al. **Laryngoscope** 1987 Feb; 97(2):208–11

Characterization of androgen receptors in a transplantable human prostatic adenocarcinoma (PC-82). Brinkmann AO, et al. **Prostate** 1987;10(2):133–43

Androgen receptors detected by autoradiography in prostatic carcinoma and benign prostatic hyperplastic tissue. Hulka BS, et al. **Prostate** 1987;10(3):223–33

Androgen receptors in TCC [letter] Kirkali Z. **Urology** 1987 Jun;29(6):674

Sex hormone receptors in localized and advanced transitional cell carcinoma of urinary tract in humans. Noronha RF, et al. **Urology** 1986 Nov;28(5):401–3

[Idiopathic hirsutism in girls: in vitro physiopathologic studies] Sultan C, et al. **Ann Pediatr (Paris)** 1987 Jan; 34(1):83–8 (Eng. Abstr.) **(Fre)**

[Cytoplasmatic androgen receptors in malignant bone neoplasms and their relation to the morphological characteristics of the tumor] Kushlinskiĭ NE, et al. **Arkh Patol** 1987;49(5):52–7 (Eng. Abstr.) **(Rus)**

[Cytoplasmic receptors of steroid sex hormones in malignant tumors amd precancerous processes of the human oral mucosa] Bassalyk LS, et al. **Vopr Onkol** 1987;33(1):28–30 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Glucocorticoid effects on growth, and androgen receptor concentrations in DDT1MF-2 cell lines. Syms AJ, et al. **J Steroid Biochem** 1987 Aug;28(2):109–16

DEFICIENCY

Partial androgen resistance due to a distinctive qualitative defect of the androgen receptor. Pinsky L, et al. **Am J Med Genet** 1987 Jun;27(2):459–66

DRUG EFFECTS

Estrogen down-regulation of androgen receptors in cultured human mammary cancer cells (MCF-7). Stover EP, et al. **Endocrinology** 1987 Jun;120(6):2597–603

Mild androgen insensitivity presenting with sexual dysfunction. Cundy TF, et al. **Fertil Steril** 1986 Oct; 46(4):721–3

Testosterone regulation of androgen receptor levels in the uropygial gland of quails (Coturnix coturnix): a further proof for the androgen dependency of the uropygial gland. Amet Y, et al. **Gen Comp Endocrinol** 1986 May;62(2):210–6

Effect of androgen on androgen receptors in cultured human epididymis. Vázquez MH, et al. **J Endocrinol** 1986 Nov; 111(2):343–8

Inhibition of androgen receptor binding by natural and synthetic steroids in cultured human genital skin fibroblasts. Breiner M, et al. **Klin Wochenschr** 1986 Aug 15; 64(16):732–7

GENETICS

Linkage analysis with RFLPs in families with androgen resistance syndromes: evidence for close linkage between the androgen receptor locus and the DXS1 segment. Wieacker P, et al. **Hum Genet** 1987 Jul;76(3):248–52

Ligand-specific thermal misbehavior of synthetic androgen–receptor complexes in genital skin fibroblasts of subjects with familial ligand-sensitive androgen resistance. Kaufman M, et al. **J Steroid Biochem** 1986 Sep;25(3):323–31

IMMUNOLOGY

Steroid receptor antibodies in autoimmune disorders. Feldman M. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1342–8

ISOLATION & PURIFICATION

A system for the partial purification of the human androgen receptor following reversible denaturation. Macaulay JO, et al. **J Steroid Biochem** 1987 May;26(5):535–8

Chemical demonstration of nuclear androgen receptor following affinity chromatography with immobilized ligands. Bruchovsky N, et al. **Prostate** 1987;10(3):207–22

[Purification of the human prostate androgen receptor. I. Purification of the androgen receptor by affinity chromatography] Nakahara M. **Hinyokika Kiyo** 1986 Nov; 32(11):1677–88 (Eng. Abstr.) **(Jpn)**

[Purification of the human prostate androgen receptor. III. Purification of the androgen receptor and characterization of the purified androgen receptor] Nakahara M. **Hinyokika Kiyo** 1986 Nov;32(11):1701–11 (Eng. Abstr.) **(Jpn)**

[Purification of the human prostate androgen receptor. II. Characterization of the human prostate androgen receptor] Nakahara M. **Hinyokika Kiyo** 1986 Nov;32(11):1689–99 (Eng. Abstr.) **(Jpn)**

METABOLISM

High affinity protein-binding and enzyme-inducing activity of methyltrienolone in Pseudomonas testosteroni. Pousette A, et al. **Acta Chem Scand [B]** 1986 Aug;40(7):515–21

The cellular mechanism of the antiandrogenic action of nomegestrol acetate, a new 19-nor progestagen, on the rat prostate. Botella J, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):544–50

The influence of structural modification on progesterone and androgen receptor binding of norethisterone. Correlation with nuclear magnetic resonance signals. Hoppen HO, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):406–12

Evidence for an androgen receptor in porcine Leydig cells. Isomaa V, et al. **Acta Endocrinol (Copenh)** 1987 May; 115(1):119–24

Photoaffinity labeling of extracellular and intracellular androgen binding proteins. Belgorosky A, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(1):1–11

Androstane derivatives—roxibolone and decylroxibolone—devoid of any affinity for the androgenic prostate and muscle receptors. Berti F, et al. **Arzneimittelforschung** 1986 Sep;36(9):1372–4

A common molecular weight of the androgen receptor monomer in different target tissues. Johnson MP, et al. **Biochemistry** 1987 Jun 2;26(11):3174–82

Properties of an intermediate-sized androgen receptor: association with RNA. Rowley DR, et al. **Biochemistry** 1986 Nov 4;25(22):6988–95

A 59-kilodalton protein associated with progestin, estrogen, androgen, and glucocorticoid receptors. Tai PK, et al. **Biochemistry** 1986 Sep 9;25(18):5269–75

Differential effects of molybdate on the hydrodynamic and DNA-binding properties of the non-activated and activated forms of the androgen receptor in calf uterus. de Boer W, et al. **Biochim Biophys Acta** 1986 Nov 28; 889(2):240–50

Olfactory bulb removal decreases androgen receptor binding in amygdala and hypothalamus and disrupts masculine sexual behavior. Lumia AR, et al. **Brain Res** 1987 Feb 24; 404(1–2):121–6

Relationship between androgen receptor binding activity in human prostate cancer and clinical response to endocrine therapy. Benson RC Jr, et al. **Cancer** 1987 May 1; 59(9):1599–606

The androgen receptor of the human endometrium. Muechler EK. **Endocr Res** 1987;13(1):69–84

Transformation of the 10S androgen receptor in a hamster ductus deferens tumor cell line. Colvard DS, et al. **Endocrinology** 1987 Sep;121(3):931–40

Transformation of the androgen receptor to the deoxyribonucleic acid-binding state: studies in homogenates and intact cells. Grino PB, et al. **Endocrinology** 1987 May;120(5):1914–20

The quantitative distribution of cytosolic androgen receptors in microdissected areas of the male rat brain: effects of estrogen treatment. Handa RJ, et al. **Endocrinology** 1987 Jul;121(1):233–40

Effect of estrogen on androgen receptor dynamics in female rat pituitary. Handa RJ, et al. **Endocrinology** 1987 Jul; 121(1):84–9

Prolactin influence on cytosol and nuclear androgen receptors in the ventral, dorsal, and lateral lobes of the rat prostate. Prins GS. **Endocrinology** 1987 Apr; 120(4):1457–64

Androgen receptors in the cerebral cortex of fetal female rhesus monkeys. Sholl SA, et al. **Endocrinology** 1986 Oct; 119(4):1625–31

Correlation between estrophilin immunoreactivity and androgen receptor-binding activity in meningiomas. Lesch KP, et al. **Eur Neurol** 1987;26(4):252–7

Sex steroid receptors in the stomach, liver, pancreas, and gastrointestinal tract of the baboon. Winborn WB, et al. **Gastroenterology** 1987 Jan;92(1):23–32

Androgen receptor in hirsutism and acne. Schmidt JB, et al. **Gynecol Obstet Invest** 1986;22(4):206–11

Androgen receptors in skeletal muscle cytosol from sheep treated with trenbolone acetate. Sinnett-Smith PA, et al. **Horm Metab Res** 1987 Mar;19(3):110–4

Clinical and endocrinological characterization of two subjects with Reifenstein syndrome associated with qualitative abnormalities of the androgen receptor. Schweikert HU, et al. **Horm Res** 1987;25(2):72–9

Androgen, estrogen, and progesterone receptor levels in malignant and benign breast tumors: a multivariate analysis approach. Brentani MM, et al. **Int J Cancer** 1986 Nov 15; 38(5):637–42

Evidence for age-dependent changes in Sertoli cell androgen receptor concentration. Buzek SW, et al. **J Androl** 1987 Mar–Apr;8(2):83–90

Variable androgen receptor levels in infertile men. Morrow AF, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1115–21

Changes in amount and intracellular distribution of androgen receptor in human foreskin as a function of age. Roehrborn CG, et al. **J Clin Invest** 1987 Jan;79(1):44–7

Hormone regulation of the rodent Harderian gland: binding properties of the androgen receptor in the male golden hamster. Vilchis F, et al. **J Endocrinol** 1987 Jan;112(1):3–8

Azasteroids: structure–activity relationships for inhibition of 5 alpha-reductase and of androgen receptor binding. Rasmusson GH, et al. **J Med Chem** 1986 Nov; 29(11):2298–315

Androgen and estrogen receptors in adult zebra finch brain. Siegel LI, et al. **J Neurosci Res** 1986;16(4):617–28

Analysis of steroid- and DNA-binding domains of the calf uterine androgen receptor by limited proteolysis. de Boer W, et al. **J Steroid Biochem** 1987 Jul;28(1):9–19

Photoaffinity labelling of androgen receptors from human foreskin and cultured genital fibroblasts with tritiated methyltrienolone [3H]R1881. Gyorki S, et al. **J Steroid Biochem** 1986 Sep;25(3):355–8

Increased glucocorticoid/androgen receptor ratios in denervated striated muscle. Hughes BJ, et al. **J Steroid Biochem** 1986 Nov;25(5A):695–9

Androgen receptor predominance in human ovarian carcinoma. Kühnel R, et al. **J Steroid Biochem** 1987 Mar; 26(3):393–7

Androgen-induced biochemical responses in epithelium lacking androgen receptors: characterization of androgen receptors in the mesenchymal derivative of urogenital sinus. Thompson TC, et al. **J Steroid Biochem** 1986 Nov; 25(5A):627–34

Preferential binding of androgen to transcriptionally active chromatin in rat prostate. Xu YH, et al. **J Steroid Biochem** 1987 Jun;26(6):647–52

Prostate adenocarcinoma: effects of castration on in situ androgen uptake by individual cell types. Lippert MC, et al. **J Urol** 1987 Jan;137(1):140–5

Androgen receptor–binding regions of an androgen-responsive gene. Rushmere NK, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):259–65

Androgen-dependent growth regulation of and release of specific protein(s) by the androgen receptor containing human prostate tumor cell line LNCaP. Berns EM, et al. **Prostate** 1986;9(3):247–59

Ontogeny of the androgen receptor in rat ventral prostate during sexual development. Moeller H, et al. **Res Exp Med (Berl)** 1987;187(4):287–94

Steroid receptors in meningiomas [editorial] Challa VR. **Surg Neurol** 1987 Sep;28(3):232

Androgen receptor binding activity in meningiomas. Lesch KP, et al. **Surg Neurol** 1987 Sep;28(3):176–80

Determination of androgen, progestin and estrogen receptors with two different assays in renal cell carcinoma. Klötzl G, et al. **Urol Int** 1987;42(2):100–4

Intranuclear androgen receptor deployment and protooncogene expression in human diseased prostate. Phillips ME, et al. **Urol Int** 1987;42(2):115–9

[Cancer of the prostate: biologic bases for the use of an antiandrogen in its treatment] Raynaud JP, et al. **Bull Cancer (Paris)** 1986;73(1):36–46 (Eng. Abstr.) **(Fre)**

[Androgen receptors in the epithelium during prostatic gland induction from the urogenital sinus epithelium in Tfm-mutant mice] Mizuno T, et al. **C R Soc Biol (Paris)** 1986;180(5):593–5 (Eng. Abstr.) **(Fre)**

[Endocrine constellation in androgenetic alopecia in the female] Schmidt JB. **Wien Klin Wochenschr** 1987 Jan 9; 99(1):21–4 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Differences in the androgen response between two mouse species. Houben PW, et al. **Biochem Genet** 1986 Dec; 24(11–12):805–11

Androgenic regulation of luteinizing hormone secretion: relationship to androgen binding in sheep pituitary. Schanbacher BD, et al. **Biol Reprod** 1987 Mar;36(2):340–50

Growth hormone–secretory patterns in androgen–resistant (testicular feminized) rats. Millard WJ, et al. **Endocrinology** 1986 Dec;119(6):2655–60

Thyroidal modulation of androgenic expression in mice submandibular gland. Minetti CA, et al. **Horm Metab Res** 1987 Apr;19(4):146–51

Testosterone inhibits cAMP-induced de Novo synthesis of Leydig cell cytochrome P-450(17 alpha) by an androgen receptor–mediated mechanism. Hales DB, et al. **J Biol Chem** 1987 Aug 15;262(23):11200–6

Androgen insensitivity in oligospermic men: a reappraisal. Bouchard P, et al. **J Clin Endocrinol Metab** 1986 Nov; 63(5):1242–6

Androgen receptors in human thymocytes. Kovacs WJ, et al. **J Immunol** 1987 Jul 15;139(2):490–3

Changes in the sedimentation properties of cytosolic androgen receptors associated with activation in vitro and in vivo. Trainh AM, et al. **Steroids** 1985 Dec;46(6):929–46

RECEPTORS, ANGIOTENSIN

ANALYSIS

Immunocytochemistry of magnocellular neurons of supraoptic and paraventricular nuclei of normal and Brattleboro rats with vasopressin anti-idiotype antibody. Knigge KM, et al. **Cell Tissue Res** 1986;246(3):509–13

Iodinated photoreactive vasopressin antagonists: labelling of hepatic vasopressin receptor subunits. Fahrenholz F, et al. **Eur J Biochem** 1986 Dec 1;161(2):321–8

The effect of chronic captopril therapy on platelet angiotensin II receptor density and vascular responsiveness to angiotensin II infusion. Kondowe GB, et al. **Eur J Clin Pharmacol** 1987;31(5):525–30

Identification of angiotensin II receptors in the rat ovary. Speth RC, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):351–2

WRK1 cells: a model system for studying properties of V1a vasopressin receptors. Jard S, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S12–7

Effects of vasopressin and its analogs on rat aortic smooth muscle and renal medullary tubular cells: characterization of receptor subtypes. Vallotton MB, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S5–11

Autoradiographic localization of binding sites for oxytocin and vasopressin in the rat kidney. Stoeckel ME, et al. **J Endocrinol** 1987 May;113(2):179–82

Increased number of angiotensin II receptors in the subfornical organ of spontaneously hypertensive rats. Saavedra JM, et al. **J Hypertens [Suppl]** 1986 Dec; 4(5):S27–30

Localization of angiotensin II receptors in rat and monkey kidney by in vitro autoradiography. Mendelsohn FA, et al. **Kidney Int [Suppl]** 1987 May;20:S40–4

Distribution of [125I]angiotensin II binding sites in the rat brain: a quantitative autoradiographic study. Gehlert DR, et al. **Neuroscience** 1986 Aug;18(4):837–56

Neurohypophyseal hormone receptor systems in brain and periphery. Jard S, et al. **Prog Brain Res** 1987;72:173–87 (63 ref.)

[Regulation of V1-vasopressinergic receptors in the rat] Thibonnier M, et al. **Arch Mal Coeur** 1986 Jun;79(6):824–7 (Eng. Abstr.) **(Fre)**

[Changes in the receptor link during the development of renal sensitivity to aldosterone and antidiuretic hormone] Solenov EI, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1673–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Role of arginine–vasopressin for the development of hypertension following aortic constriction. Aperia A, et al. **Acta Physiol Scand** 1986 Dec;128(4):495–9

AVP–induced pulmonary vasodilation during specific V1 receptor block in conscious dogs. Nyhan DP, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H493–9

Pharmacological evaluation of d(CH2)5Tyr(Me)AVP as an antagonist of vasopressin–induced contraction of the isolated rat caudal artery. Clineschmidt BV, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):72–84

Guanine nucleotide regulation of [3H]vasopressin binding to liver plasma membranes and solubilized receptors. Evidence for the involvement of a guanine nucleotide regulatory protein. Bojanic D, et al. **Biochem J** 1986 Dec 1;240(2):361–5

Central effects of vasopressin and 1–desamino–8–D–arginine vasopressin (DDAVP) on interleukin–1 fever in the rat. Naylor AM, et al. **Brain Res** 1987 Jan 13;401(1):173–7

Effects of 17 beta–estradiol on angiotensin II receptors and prolactin release in cultured pituitary cells. Platia MP, et al. **Endocrinology** 1986 Dec;119(6):2768–72

Fatty acid effects on angiotensin receptors. Goodfriend TL, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1276–83

Chronic blockade of vasopressin receptors in rats. Hofbauer KG, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S56–60

Estradiol modulates density of putative 'oxytocin receptors' in discrete rat brain regions. de Kloet ER, et al. **Neuroendocrinology** 1986;44(4):415–21

Interaction of rat adenohypophyseal vasopressin receptors with vasopressin analogues substituted at positions 7 and 1: dissimilarity from the V1 vasopressin receptor. Knepel W, et al. **Neuroendocrinology** 1986;44(3):390–6

The contribution of the N–terminal region of angiotensin II antagonists to receptor binding. Ganter RC, et al. **Proc West Pharmacol Soc** 1987;30:113–6

V1a–vasopressin specific receptors on human platelets: potentiation by ADP and epinephrine and evidence for homologous down–regulation. Launay JM, et al. **Thromb Res** 1987 Feb 15;45(4):323–31

[Recruitment of angiotensin receptors by concanavalin A in the rabbit aorta] Khullar H, et al. **Union Med Can** 1987 Feb;116(2):80–2, 85 (Eng. Abstr.) **(Fre)**

GENETICS

Complementation between LLC–PK1 mutants affected in polypeptide hormone–receptor function. Jans DA, et al. **Eur J Biochem** 1987 Feb 2;162(3):571–6

ISOLATION & PURIFICATION

Thoughts and studies on purification of the angiotensin II receptor. Soffer RL. **J Hypertens [Suppl]** 1986 Oct; 4(4):S17–20 (26 ref.)

Solubilization of human platelet vasopressin receptors. Thibonnier M. **Life Sci** 1987 Feb 2;40(5):439–45

METABOLISM

Uterotonic activity and myometrial receptor affinity of 1–deamino–1–carba–2–tyrosine(O–methyl)–oxytocin. Atke A, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):155–60

Angiotensin receptor subtypes of the kidney cortex. Douglas JG. **Am J Physiol** 1987 Jul;253(1 Pt 2):F1–7 (47 ref.)

Estrogen effects on angiotensin receptors are modulated by pituitary in female rats. Douglas JG. **Am J Physiol** 1987 Jan;252(1 Pt 1):E57–62

Corticosteroids decrease glomerular angiotensin receptors. Douglas JG. **Am J Physiol** 1987 Mar;252(3 Pt 2):F453–7

Covalent labeling of hydrosmotic toad bladder receptors with an antagonist of vasotocin. Eggena P, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C657–62

Vasopressin receptors from cultured mesangial cells resemble V1a type. Jard S, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F41–9

Vasopressin responses and receptors in the mesenteric vasculature of estrogen–treated rats. St–Louis J, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H885–9

Characterization of specific V1a vasopressin–binding sites on a rat mammary–tumour–cell line. Guillon G, et al. **Biochem J** 1986 Nov 15;240(1):189–96

Autoradiographic localization and characterization of circumventricular angiotensin II receptors in duck brain. Gerstberger R, et al. **Brain Res** 1987 Jan 1;400(1):165–70

Localization of angiotensin II receptors along the anteroventral third ventricle area of the rat brain. Plunkett LM, et al. **Brain Res** 1987 Mar 10;405(2):205–12

Mineralocorticoids modulate central angiotensin II receptors in rats. Wilson KM, et al. **Brain Res** 1986 Sep 10; 382(1):87–96

Contribution of the vagus nerve to angiotensin II binding sites in the canine medulla. Diz DI, et al. **Brain Res Bull** 1986 Oct;17(4):497–505

Effects of monovalent and divalent cations and of guanine nucleotides on binding of vasopressin to the rat mesenteric vasculature. Larivière R, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1171–81

Regulation of angiotensin II in rat adrenal gland. Husain A, et al. **Circ Res** 1987 May;60(5):640–8

Oxytocin receptors in rat adenohypophysis: evidence from radioligand binding studies. Antoni FA. **Endocrinology** 1986 Nov;119(5):2393–5

Rabbit myometrial oxytocin and alpha 2–adrenergic receptors are increased by estrogen but are differentially regulated by progesterone. Jacobson L, et al. **Endocrinology** 1987 Mar;120(3):1184–9

Identification and characterization of two classes of receptors for oxytocin and vasopressin in porcine tunica albuginea, epididymis, and vas deferens. Maggi M, et al. **Endocrinology** 1987 Mar;120(3):986–94

Solubilization and properties of oxytocin receptors from rat mammary gland. Soloff MS, et al. **Endocrinology** 1987 Jun; 120(6):2474–82

Binding studies with rat myometrial and mammary gland membranes on effects of manganese on relative affinities of receptors for oxytocin analogs. Soloff MS, et al. **Endocrinology** 1986 Oct;119(4):1564–9

Reduced glomerular angiotensin II receptor density in diabetes mellitus in the rat: time course and mechanism. Wilkes BM. **Endocrinology** 1987 Apr;120(4):1291–8

L6 skeletal muscle cells have functional V1–vasopressin receptors coupled to stimulated inositol phospholipid metabolism. Wakelam MJ, et al. **FEBS Lett** 1987 Jan 5; 210(2):181–4

Effects of thyroid deficiency on the vasopressin receptors in the kidney of developing and adult rats. A comparative study of hormonal binding and adenylate cyclase activation. Ali M, et al. **Horm Metab Res** 1987 Mar; 19(3):115–21

Angiotensin II receptors and angiotensin converting enzyme in the medulla oblongata. Allen AM, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III198–205

Reconstitution of the rat liver vasopressin receptor coupled to guanine nucleotide–binding proteins. Dickey BF, et al. **J Biol Chem** 1987 Jun 25;262(18):8738–42

Solubilization of the vasopressin receptor from rat liver plasma membranes. Evidence for a receptor X GTP–binding protein complex. Fitzgerald TJ, et al. **J Biol Chem** 1986 Dec 25;261(36):16871–7

Binding of oxytocin to uterine cells in vitro. Occurrence of several binding site populations and reidentification of oxytocin receptors. Pliška V, et al. **J Biol Chem** 1986 Dec 25;261(36):16984–9

The human platelet vasopressin receptor identification by direct ultraviolet photoaffinity labeling. Thibonnier M. **J Biol Chem** 1987 Aug 15;262(23):10960–4

Local actions of angiotensin II: quantitative in vitro autoradiographic localization of angiotensin II receptor binding and angiotensin converting enzyme in target tissues. Chai SY, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S35–9

Synthesis and receptor specificities of vasopressin antagonists. Manning M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S29–35

A glial high–affinity binding site with specificity for angiotensin II not angiotensin III: a possible N–terminal–specific converting enzyme. Printz MP, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S62–8

The human platelet vasopressin receptor and its intracellular messengers: key role of divalent cations. Thibonnier M, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):24–9

Oxytocin and vasopressin: distinct receptors in myometrium. Guillon G, et al. **J Clin Endocrinol Metab** 1987 Jun; 64(6):1129–35

A comparison of CNS angiotensin II binding in the hypothalamus-thalamus-septum-midbrain region of developing spontaneously hypertensive and normotensive rats. Salaymeh B, et al. **J Hypertens** 1986 Oct;4(5):617-22

Angiotensin II receptors in adrenal gland, pituitary gland and brain of sino-aortic denervated rats. Saavedra JM, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S154-7

Anti-angiotensin II anti-idiotypic antibodies bind to angiotensin II receptor. Couraud PO. **J Immunol** 1987 Feb 15;138(4):1164-8

Effects of oxytocin-related peptides on acute morphine tolerance: opposite actions by oxytocin and its receptor antagonists. Kovács GL, et al. **J Pharmacol Exp Ther** 1987 May;241(2):569-74

Human vascular vasopressin receptors: analysis with selective vasopressin receptor antagonists. Ohlstein EH, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):737-41

Effects of a luteolytic dose of oestradiol benzoate on uterine oxytocin receptor concentrations, phosphoinositide turnover and prostaglandin F-2 alpha secretion in sheep. Hixon JE, et al. **J Reprod Fertil** 1987 Mar;79(2):457-67

Angiotensin receptors in resting smooth muscle are the low affinity sites observed in binding studies. Moore GJ, et al. **Life Sci** 1987 Jul 27;41(4):505-11

Differential changes in atrial natriuretic peptide and vasopressin receptor bindings in kidney of spontaneously hypertensive rat. Ogura T, et al. **Life Sci** 1987 Jan 19; 40(3):233-8

Vasopressin, angiotensin and adrenergic receptors of rat liver Golgi fractions--molecular weight of the angiotensin-receptor irreversible complex after in vitro and in vivo labelling. Cantau B, et al. **Mol Cell Endocrinol** 1987 May;51(1-2):59-69

Solubilization and reconstitution of vasopressin V1 receptors of rat liver. Aiyar N, et al. **Mol Pharmacol** 1987 Jul; 32(1):34-6

High yield photoaffinity labeling of angiotensin II receptors. Guillemette G, et al. **Mol Pharmacol** 1986 Dec;30(6):544-51

Identification and characterization of vascular (V1) vasopressin receptors of an established smooth muscle cell line. Stassen FL, et al. **Mol Pharmacol** 1987 Mar; 31(3):259-66

A novel radiolabeled vasopressin antagonist: [3H-Phe]-desGlyd(CH2)5D-Tyr(Et)VAVP, [3H]-SK&F 101926. Stassen FL, et al. **Mol Pharmacol** 1987 Mar; 31(3):267-72

Localization of central angiotensin II receptors with [125I]-sar1, ile8-angiotensin II: periventricular sites of the anterior third ventricle. Healy DP, et al. **Neuroendocrinology** 1986;44(1):15-21

Postpartum increases in brain oxytocin binding. Insel TR. **Neuroendocrinology** 1986;44(4):515-8

Solubilization and characterization of covalently labeled angiotensin II receptors in cultured mouse spinal cord cells. Laribi C, et al. **Neuropeptides** 1987 May-Jun;9(4):345-56

Pregnancy causes a decrease in the number and affinity of myometrial angiotensin II receptors. Siddiqi TA, et al. **Obstet Gynecol** 1986 Dec;68(6):820-4

Autoradiographic localization and characterization of angiotensin II binding sites in the spleen of rats and mice. Castrén E, et al. **Peptides** 1987 Jul-Aug;8(4):737-42

Quantitative autoradiography of angiotensin II receptors in the SHR brain. Gehlert DR, et al. **Peptides** 1986 Nov-Dec; 7(6):1021-7

Quantitative distribution of angiotensin II binding sites in rat brain by autoradiography. Saavedra JM, et al. **Peptides** 1986 Jul-Aug;7(4):679-87

Enhanced binding of 3H-arginine8-vasopressin in the Brattleboro rat. Shewey LM, et al. **Peptides** 1986 Jul-Aug; 7(4):701-4

Nodose ganglionectomy reduces angiotensin II receptor binding in the rat brainstem. Speth RC, et al. **Peptides** 1987 Jul-Aug;8(4):677-85

Localization of angiotensin II receptors in ovarian follicles and the identification of angiotensin II in rat ovaries. Husain A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2489-93

Identification and characterization of a vasopressin isoreceptor in porcine seminal vesicles. Maggi M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8824-8

Distinct angiotensin II receptor in primary cultures of glial cells from rat brain. Raizada MK, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4655-9

Angiotensin receptors in smooth muscle: an agonist induced dual state (AIDS) receptor model. Moore GJ, et al. **Proc West Pharmacol Soc** 1986;29:209-12

Binding and structural properties of oxytocin receptors in isolated rat epididymal adipocytes. Boland D, et al. **Regul Pept** 1987 Jul;18(1):7-18

PHYSIOLOGY

Vasopressin increases cytosolic free calcium in LLC-PK1 cells through a V1-receptor. Burnatowska-Hledin MA, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):F328-32

Effect of V2-receptor-mediated changes on inner medullary blood flow induced by AVP. Kiberd B, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):F576-81

Glomerular angiotensin II receptor modulation in glycerol-induced acute renal failure. Wilkes BM, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F109-14

Changes in adrenergic pressor responses by calcium channel modulation in conscious dogs. Wynsen JC, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H531-9

Angiotensin's contribution to dipsogenic additivity in several rodent species. Wright JW, et al. **Behav Neurosci** 1987 Jun; 101(3):361-70

A 16 kDa protein substrate for protein kinase C and its phosphorylation upon stimulation of vasopressin receptors in rat aortic myocytes. Boulanger-Saunier C, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):517-24

The effect of angiotensin II upon electrogenic ion transport in rat intestinal epithelia. Cox HM, et al. **Br J Pharmacol** 1987 Feb;90(2):393-401

Vasopressin receptor mediated contraction and [3H]inositol metabolism in rat tail artery. Fox AW, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):1-10

Regulation of primate angiotensin II receptors during altered sodium intake. Platia MP, et al. **Hypertension** 1986 Dec; 8(12):1121-6

Rat ovarian angiotensin II receptors. Characterization and coupling to estrogen secretion. Pucell AG, et al. **J Biol Chem** 1987 May 25;262(15):7076-80

Evidence for two different stimulatory adenylate cyclase coupling mechanisms in rat renal papilla. Woodcock EA. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):301-16

Vasopressin receptors influencing the secretion of ACTH by the rat adenohypophysis. Buckingham JC. **J Endocrinol** 1987 Jun;113(3):389-96

Receptors to vasopressin and other hormones in the mammalian kidney. Morel F, et al. **Kidney Int** 1987 Feb; 31(2):512-20 (54 ref.)

Microinjection of oxytocin into limbic-mesolimbic brain structures disrupts heroin self-administration behavior: a receptor-mediated event? Ibragimov R, et al. **Life Sci** 1987 Sep 7;41(10):1265-71

Comparative study of the developmental patterns of vasopressin, glucagon, angiotensin II, and alpha 1-adrenergic receptors in the liver of developing and adult hypothyroid rats. Ali M, et al. **Mol Cell Endocrinol** 1987 May;51(1-2):115-25

Phorbol ester-mediated inhibition of vasopressin and beta-adrenergic responses in a vascular smooth muscle cell line. Aiyar N, et al. **Mol Pharmacol** 1987 Feb;31(2):180-4

Is oxytocin-induced grooming mediated by uterine-like receptors? Caldwell JD, et al. **Neuropeptides** 1986 Jul; 8(1):77-86

RECEPTORS, ANTIGEN

ANALYSIS

BLV receptor activity in plasma membranes from tumorous lymph nodes of BLV-infected cows. Ristau E, et al. **Acta Virol (Praha)** 1986 Nov;30(6):449-56

[Molecular identification of self and non-self; antigen receptor-centered hypothesis based on the degeneracy of specificities] Kumagai Y. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):813-30 **(Jpn)**

GENETICS

Rearranged antigen receptor genes in Hodgkin's disease. Sundeen J, et al. **Blood** 1987 Jul;70(1):96-103

Molecular genetics of antigen receptors and associated chromosomal abnormalities in human leukemias. Rabbitts TH, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:923-30

Antigen receptor genes as molecular markers of lymphoid neoplasms. Korsmeyer SJ. **J Clin Invest** 1987 May; 79(5):1291-5 (62 ref.)

ISOLATION & PURIFICATION

Isolation and characterization of the receptor on human neutrophils that mediates cellular adherence. Hickstein DD, et al. **J Biol Chem** 1987 Apr 25;262(12):5576-80

Isolation and characterization of laminin receptors. von der Mark K, et al. **Methods Enzymol** 1987;144:490-507

RECEPTORS, ANTIGEN, B-CELL

GENETICS

Rearrangement of antigen receptor genes is defective in mice with severe combined immune deficiency. Schuler W, et al. **Cell** 1986 Sep 26;46(7):963-72

Clonal rearrangement of the T-cell receptor gene and the diagnosis of mycosis fungoides. Fine RM. **Int J Dermatol** 1987 Apr;26(3):169-70

[Rearrangement of the receptor genes of T cells for an antigen] Chen Z, et al. **Nouv Rev Fr Hematol** 1987; 29(1):43-8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

All in the superfamily: presentation of antigen receptors in the context of the major histocompatibility complex. Leserman L. **Ann Inst Pasteur Immunol** 1987 Jan-Feb; 138(1):53-63

Crosslinkage of B lymphocyte surface immunoglobulin by anti-Ig or antigen induces prolonged oscillation of intracellular ionized calcium. Wilson HA, et al. **J Exp Med** 1987 Aug 1;166(2):601-6

Antigen presentation by hapten-specific B lymphocytes. IV. Comparative ability of B cells to present specific antigen and anti-immunoglobulin antibody. Lichtman AH, et al. **J Immunol** 1987 May 1;138(9):2822-5

Cooperativity between B lymphocyte membrane molecules: independent ligand occupancy and cross-linking of antigen receptors and Fc gamma receptors down-regulates B lymphocyte function. Uher F, et al. **J Immunol** 1986 Nov 15;137(10):3124-9

Assessment of antigen-specific receptor function of surface immunoglobulin M and D with identical hapten specificity. Tisch R, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3831-5

PHYSIOLOGY

Antigen receptor on B lymphocytes: structure and association with other membrane proteins. Haustein D, et al. **Behring Inst Mitt** 1987 Jun;(81):100-9

The immunoglobulin receptor. Hilschmann N. **Behring Inst Mitt** 1987 Jun;(81):98-9

Activation antigens and signal transduction in lymphocyte activation. **Immunol Rev** 1987 Feb;95:1-194

Transmembrane signals and intracellular "second messengers" in the regulation of quiescent B-lymphocyte activation. Cambier JC, et al. **Immunol Rev** 1987 Feb;95:37-57 (75 ref.)

B-lymphocyte signal transduction in response to anti-immunoglobulin and bacterial lipopolysaccharide. DeFranco AL, et al. **Immunol Rev** 1987 Feb;95:161-76 (60 ref.)

Cross-linking membrane IgM induces production of inositol trisphosphate and inositol tetrakisphosphate in WEHI-231 B lymphoma cells. Fahey KA, et al. **J Immunol** 1987 Jun 1;138(11):3935-42

BSF1 induces membrane protein phosphorylation but not phosphoinositide metabolism, Ca2+ mobilization, protein kinase C translocation, or membrane depolarization in resting murine B lymphocytes. Justement L, et al. **J Immunol** 1986 Dec 1;137(11):3664-70

Membrane IgM, IgD, and IgG act as signal transmission molecules in a series of B lymphomas. Mizuguchi J, et al. **J Immunol** 1986 Oct 1;137(7):2162-7

Antigen-induced changes in phospholipid metabolism in antigen-binding B lymphocytes. Myers CD, et al. **J Immunol** 1987 Mar 15;138(6):1705-11

RECEPTORS, ANTIGEN, T-CELL

The ontogeny, structure and function of the human T lymphocyte receptor for antigen and major histocompatibility complex. Reinherz EL, et al. **Biochem Soc Symp** 1986;51:211-32

A review of the structure and function of the T-cell receptor-T3 complex. Oettgen HC, et al. **CRC Crit Rev Immunol** 1987;7(2):131-67 (285 ref.)

ANALYSIS

T cell receptors in the thymus. Marrack P, et al. **Biochem Soc Symp** 1986;51:197-204

T cell differentiation stages identified by molecular and immunologic analysis of the T cell receptor complex in childhood lymphoblastic leukemia. Mirro J Jr, et al. **Blood** 1987 Mar;69(3):908-12

Determination of cell-free interleukin 2 receptor level in the serum of normal animals and of animals bearing IL-2 receptor positive tumours with high or low metastatic capacity. Schirrmacher V, et al. **Br J Cancer** 1987 Jun; 55(6):583-7

Structural characterization of the TAP molecule: a phosphatidylinositol-linked glycoprotein distinct from the T cell receptor/T3 complex and Thy-1. Reiser H, et al. **Cell** 1986 Nov 7;47(3):365-70

Expression of antigen interaction structures on resting and activated cytotoxic lymphocytes. Russell JH, et al. **Cell Immunol** 1986 Dec;103(2):375-80

Expression of T cell receptors by thymocytes: in situ staining and biochemical analysis. Cristanti A, et al. **EMBO J** 1986 Nov;5(11):2837-43

T cell receptor expression and receptor-mediated induction of clonal growth in the developing mouse thymus. High surface beta-chain density is a requirement for functional maturity. Crispe IN, et al. **Eur J Immunol** 1986 Oct; 16(10):1283-8

Bone marrow pro-T and pro-B lymphocyte clones express functional receptors for interleukin (IL) 3 and IL 4/BSF-1 and nonfunctional receptors for IL 2. Sideras P, et al. **Eur J Immunol** 1987 Feb;17(2):217-21

Use of a receptor competition assay to explore the interaction of the T cell antigen-specific receptor with its ligands. Ashwell JD, et al. **Fed Proc** 1987 Jan;46(1):183-9 (34 ref.)

The T cell antigen receptor complex expressed on normal peripheral blood CD4-, CD8- T lymphocytes. A CD3-associated disulfide-linked gamma chain heterodimer. Lanier LL, et al. **J Exp Med** 1987 Apr 1; 165(4):1076-94

Production of a T cell hybridoma that expresses the T cell receptor gamma/delta heterodimer. Yokoyama WM, et al. **J Exp Med** 1987 Jun 1;165(6):1725-30

Expression of the human T cell receptor as defined by anti-isotypic antibodies. Lew AM, et al. **J Immunol** 1987 Feb 1;138(3):807-14

Expression of T cell receptor-alpha and -beta subunits in human thymocytes. An immunocytologic study. Maggiano N, et al. **J Immunol** 1987 Sep 1;139(5):1438-45

Identification of a novel T cell surface disulfide-bonded dimer distinct from the alpha/beta antigen receptor. Nagasawa R, et al. **J Immunol** 1987 Feb 1;138(3):815–24

Visualization of cytokine and virus receptors common to the immune and central nervous system. Farrar WL, et al. **Lymphokine Res** 1987 Winter;6(1):29–34

Characterization of murine thymocytes with CD3-associated T-cell receptor structures. Bluestone JA, et al. **Nature** 1987 Mar 5–11;326(6108):82–4

Identification of a second T-cell antigen receptor in human and mouse by an anti-peptide gamma-chain-specific monoclonal antibody. Ioannides CG, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4244–8

Coclustering of CD4 (L3T4) molecule with the T-cell receptor is induced by specific direct interaction of helper T cells and antigen-presenting cells. Kupfer A, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5888–92

Selection and characterization of T-cell variants lacking molecules involved in T-cell activation (T3 T-cell receptor, T44, and T11): analysis of the functional relationship among different pathways of activation. Moretta A, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(6):1654–8

Inherited polymorphism of the human T-cell antigen receptor detected by a monoclonal antibody. Posnett DN, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7888–92

Thy-1+ dendritic epidermal cells express T3 antigen and the T-cell receptor gamma chain. Stingl G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4586–90

Analysis of CD3-associated molecules in CD4- 8- human T cell clones lacking the typical alpha/beta T cell receptor. Bottino C, et al. **Ric Clin Lab** 1987 Apr-Jun;17(2):125–9

Identification of a T3-associated gamma delta T cell receptor on Thy-1+ dendritic epidermal Cell lines. Koning F, et al. **Science** 1987 May 15;236(4803):834–7

[Relation between characteristics and physiopathology of adult T-cell leukemia cells] Takatsuki K, et al. **Nippon Rinsho** 1986 Oct;44(10):2236–43 **(Jpn)**

[The T cell receptor for antigen--a review] Kubo RT, et al. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):769–81 (174 ref.) **(Jpn)**

[Origin of the diversity of the immune system] Kurosawa Y. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):756–68 **(Jpn)**

[The T-cell antigen receptor. Structure, gene rearranging and function] Alfsen GC, et al. **Tidsskr Nor Laegeforen** 1987 Jun 30;107(19–21):1665–8 (Eng. Abstr.) **(Nor)**

BIOSYNTHESIS

Functional and biochemical characteristics of a murine interleukin 2 receptor-inducing factor. Hardt C, et al. **Eur J Immunol** 1987 Feb;17(2):209–16

T3-p28 is a protein associated with the delta and epsilon chains of the T cell receptor-T3 antigen complex during biosynthesis. Pettey CL, et al. **J Biol Chem** 1987 Apr 5; 262(10):4854–9

Acute leukemia expressing the gamma gene product of the putative second T cell receptor. González-Sarmiento R, et al. **J Clin Invest** 1987 Apr;79(4):1281–4

Murine natural killer cells stimulated in vivo do not express the T cell receptor alpha, beta, gamma, T3 delta, or T3 epsilon genes. Biron CA, et al. **J Immunol** 1987 Sep 1; 139(5):1704–10

Importance of IL-2 receptors in intra-thymic generation of cells expressing T-cell receptors. Jenkinson EJ, et al. **Nature** 1987 Sep 10–16;329(6135):160–2

Differential expression of two distinct T-cell receptors during thymocyte development. Pardoll DM, et al. **Nature** 1987 Mar 5–11;326(6108):79–81

Biosynthesis, glycosylation, and partial N-terminal amino acid sequence of the T-cell-activating protein TAP. Reiser H, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3370–4

Characterization of T cell receptor gamma chain expression in a subset of murine thymocytes. Lew AM, et al. **Science** 1986 Dec 12;234(4782):1401–5

DRUG EFFECTS

Mechanistic implications of the findings that opiates and other drugs of abuse moderate T-cell surface receptors and antigenic markers. Donahoe RM, et al. **Ann NY Acad Sci** 1987;496:711–21

Studies on the mechanism of T cell inhibition by the Pseudomonas aeruginosa phenazine pigment pyocyanine. Nutman J, et al. **J Immunol** 1987 May 15;138(10):3481–7

GENETICS

Genetics of B and T cell recognition. Nowak JS. **Acta Anthropogenet** 1985;9(1–3):1–19 (65 ref.)

Polymorphism of the immunoglobulin heavy chain T cell receptor beta-chain genes in Graves' disease. Demaine A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:149–51

T cell gamma chain gene rearrangement without T cell receptor beta chain gene rearrangement in two cases of non-Hodgkin's lymphoma. Matsuoka M, et al. **Acta Haematol (Basel)** 1987;77(3):172–6

Murine T-cell receptor genes. Davis MM, et al. **Adv Exp Med Biol** 1987;213:13–7

Correspondence between functionally significant sequences in immunoglobulin and the T cell receptor for antigen. Hedrick SM, et al. **Adv Exp Med Biol** 1987;213:19–27

The arrangement of immunoglobulin and T cell receptor genes in human lymphoproliferative disorders. Waldmann TA. **Adv Immunol** 1987;40:247–321 (350 ref.)

Genes encoding the alpha, beta, and gamma chains of the human T-cell antigen receptor. Mak TW, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S95–102

T-cell activation. MacDonald HR, et al. **Annu Rev Cell Biol** 1986;2:231–53 (147 ref.)

Genes of the T-cell antigen receptor in normal and malignant T cells. Toyonaga B, et al. **Annu Rev Immunol** 1987; 5:585–620 (136 ref.)

T-cell receptor gene rearrangement in regressing atypical histiocytosis. Headington JT, et al. **Arch Dermatol** 1987 Sep;123(9):1183–7

Diagnostic use of immunoglobulin and T-cell receptor gene rearrangements in lymphoproliferative disease. Story CJ, et al. **Aust NZ J Med** 1987 Feb;17(1):1–8

The human T cell receptor for antigen: structure, ontogeny and gene expression. Royer HD, et al. **Behring Inst Mitt** 1987 Jun;(81):1–14 (76 ref.)

Conservation among vertebrate immunoglobulin chains detected by antibodies to a synthetic joining segment peptide. Schluter SF, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):699–705

Paradigm regained: similarities and differences between T cell receptor and immunoglobulin genes. Davis MM, et al. **Biochem Soc Symp** 1986;51:205–9

T cell gamma gene rearrangements in hematologic neoplasms. Asou N, et al. **Blood** 1987 Mar;69(3):968–70

Early T cell differentiated chronic myeloid leukemia blast crisis with rearrangement of the breakpoint cluster region but not of the T cell receptor beta chain genes. Gramatzki M, et al. **Blood** 1987 Apr;69(4):1082–6

Terminal deoxynucleotidyl transferase expression can precede T cell receptor beta chain and gamma chain rearrangement in T cell acute lymphoblastic leukemia. Greenberg JM, et al. **Blood** 1987 Jan;69(1):356–60

Development of T3/T cell receptor gene expression in human pre-T neoplasms. Pittaluga S, et al. **Blood** 1987 Apr; 69(4):1062–7

7q32-q36 translocations in childhood T cell leukemia: cytogenetic evidence for involvement of the T cell receptor beta-chain gene. Raimondi SC, et al. **Blood** 1987 Jan; 69(1):131–4

Immunoglobulin and T cell receptor gene rearrangements in human lymphoma and leukemia. Williams ME, et al. **Blood** 1987 Jan;69(1):79–86

Rearrangement for the T-cell receptor gene and co-expression of immature T-cell markers and natural killer cell phenotype, in a patient with acute lymphoblastic leukaemia. Pizzolo G, et al. **Br J Haematol** 1987 Jan; 65(1):17–22

In vitro differentiation of a null-acute leukemia: T-lymphoid surface antigen expression associated with rearrangement in T-cell receptor beta chain variable genes. Boehm TL, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):327–34

The mechanism of chromosome 14 inversion in a human T cell lymphoma. Baer R, et al. **Cell** 1987 Jul 3;50(1):97–105

The T cell repertoire may be biased in favor of MHC recognition. Blackman M, et al. **Cell** 1986 Nov 7; 47(3):349–57

A T cell receptor V beta segment that imparts reactivity to a class II major histocompatibility complex product. Kappler JW, et al. **Cell** 1987 Apr 24;49(2):263–71

T cell receptor beta gene sequences in the circular DNA of thymocyte nuclei: direct evidence for intramolecular DNA deletion in V-D-J joining. Okazaki K, et al. **Cell** 1987 May 22;49(4):477–85

Analysis of DNA surrounding the breakpoints of chromosomal translocations involving the beta T cell receptor gene in human lymphoblastic neoplasms. Reynolds TC, et al. **Cell** 1987 Jul 3;50(1):107–17

Rearrangement of antigen receptor genes is defective in mice with severe combined immune deficiency. Schuler W, et al. **Cell** 1986 Sep 26;46(7):963–72

T-cell receptor gene structure and function. Davis MM, et al. **Cell Immunol** 1986 Apr 15;99(1):24–8

Differentiation-linked gene rearrangement and expression in acute lymphoblastic leukaemia. Greaves MF, et al. **Clin Haematol** 1986 Aug;15(3):621–39 (97 ref.)

Human T-cell receptor genes: organization, diversity, and polymorphism. Concannon P, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:785–9

HLA-DQ and T-cell receptor genes in insulin-dependent diabetes mellitus. Hoover ML, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:803–9

Structures and evolution of the T-cell antigen receptor genes. Mak TW, et al. **Cold Spring Harbor Symp Quant Biol** 1986; 51 Pt 2:797–802

HLA and T-cell receptor genes in insulin-dependent diabetes mellitus. Hoover ML, et al. **Diabetes Metab Rev** 1987 Jul; 3(3):835–56 (95 ref.)

T cell receptor genes in an alloreactive CTL clone: implications for rearrangement and germline diversity of variable gene segments. Chou HS, et al. **EMBO J** 1986 Sep;5(9):2149–55

Primary structure of the T3 gamma subunit of the T3/T cell antigen receptor complex deduced from cDNA sequences: evolution of the T3 gamma and delta subunits. Krissansen GW, et al. **EMBO J** 1986 Aug;5(8):1799–808

T cell receptor beta chain gene rearrangements and V beta gene usage in horse cytochrome c-specific T cell hybridomas. Baumhüter S, et al. **Eur J Immunol** 1987 May; 17(5):657–61

Synthetic peptides and beta-chain gene rearrangements reveal a diversified T cell repertoire for a lambda light chain third hypervariable region. Bogen B, et al. **Eur J Immunol** 1986 Nov;16(11):1379–84

Detection of rearranged T cell receptor beta-chain gene and induction of cytolytic function in interleukin 2-responsive day 14–15 murine fetal thymocytes. Hardt C, et al. **Eur J Immunol** 1986 Sep;16(9):1087–92

Sequences and repertoire of the human T cell receptor alpha and beta chain variable region genes in thymocytes. Kimura N, et al. **Eur J Immunol** 1987 Mar;17(3):375–83

Functional alpha and beta T cell chain receptor messages can be detected in old but not in young athymic mice. Kishihara K, et al. **Eur J Immunol** 1987 Apr;17(4):477–82

Protein kinase C-activating phorbol esters augment expression of T cell receptor genes. Noonan DJ, et al. **Eur J Immunol** 1987 Jun;17(6):803–7

Use of V beta.8 genes in splenic Lyt-2+ cytotoxic lymphocyte precursors reactive to bm1 or bm14 alloantigen in individual C57BL/6 mice. Reimann J, et al. **Eur J Immunol** 1986 Dec;16(12):1597–602

Cloned human CD3- lymphocytes with natural killer-like activity do not express nor rearrange T cell receptor gamma genes. Triebel F, et al. **Eur J Immunol** 1987 Aug; 17(8):1209–12

Does the deletion within T cell receptor beta-chain gene of NZW mice contribute to autoimmunity in (NZB X NZW)F1 mice? Yanagi Y, et al. **Eur J Immunol** 1986 Sep; 16(9):1179–82

Repertoire of the human T cell gamma genes: high frequency of nonfunctional transcripts in thymus and mature T cells. Yoshikai Y, et al. **Eur J Immunol** 1987 Jan;17(1):119–26

The unfolding story of T cell receptor gamma. Pardoll DM, et al. **FASEB J** 1987 Aug;1(2):103–9 (39 ref.)

Production of the constant domain of murine T-cell receptor beta-chain in Escherichia coli. Kuwana Y, et al. **FEBS Lett** 1987 Jul 27;219(2):360–4

Antigenic, functional, and molecular genetic studies of human natural killer cells and cytotoxic T lymphocytes not restricted by the major histocompatibility complex. Lanier LL, et al. **Fed Proc** 1986 Nov;45(12):2823–8 (44 ref.)

Mammalian T-lymphocyte antigen receptor genes: genetic and nongenetic potential to generate variability. Epplen JT, et al. **Hum Genet** 1987 Apr;75(4):300–10

What is a T-cell clone? Effect of rIFN on T-cell clone function and T-cell receptor gene rearrangement. Chen LK, et al. **Hum Immunol** 1986 Nov;17(3):214–23

Restriction fragment length polymorphism of the human T cell receptor alpha gene. I. Two polymorphic restriction sites localized to different regions of the gene. Ball EJ, et al. **Immunogenetics** 1987;26(1–2):48–55

The context of T-cell receptor gamma chain genes among wild mouse species. Huppi K, et al. **Immunogenetics** 1986; 24(5):304–8

A cluster of rabbit T-cell beta-chain variable region genes. Lamoyi E, et al. **Immunogenetics** 1987;25(1):55–62

Molecular genotyping of human T-cell antigen receptor variable gene segments. Robinson MA, et al. **Immunogenetics** 1986;24(4):259–66

A new polymorphic marker of the T-cell antigen receptor alpha chain genes in man. So A, et al. **Immunogenetics** 1987; 25(3):141–4

T cell receptor gene rearrangements in cells with natural killer activity in the mouse. Lauzon RJ, et al. **Immunol Res** 1986;5(3):191–200 (47 ref.)

Phenotype versus immunoglobulin and T-cell receptor genotype of Hodgkin-derived cell lines: activation of immature lymphoid cells in Hodgkin's disease. Falk MH, et al. **Int J Cancer** 1987 Aug 15;40(2):262–9

Clonal rearrangements of T-cell receptor and immunoglobulin genes and immunophenotypic antigen expression in different subclasses of Hodgkin's disease. Griesser H, et al. **Int J Cancer** 1987 Aug 15;40(2):157–60

A t(8;14)(q24;q11) translocation in a T-cell leukemia (L1-ALL) with c-myc and TcR-alpha chain locus rearrangements. Mathieu-Mahul D, et al. **Int J Cancer** 1986 Dec 15;38(6):835–40

Recombinant feline viruses containing the myc gene rapidly produce clonal tumours expressing T-cell antigen receptor gene transcripts. Onions D, et al. **Int J Cancer** 1987 Jul 15;40(1):40–5

T cell receptor alpha-, beta-, and gamma-genes in T cell and pre-B cell acute lymphoblastic leukemia. Felix CA, et al. **J Clin Invest** 1987 Aug;80(2):545–56

Rearrangement of the beta chain of the T cell antigen receptor and immunoglobulin genes in lymphoproliferative disorders. Griesser H, et al. **J Clin Invest** 1986 Nov; 78(5):1179–84

Antigen receptor genes as molecular markers of lymphoid neoplasms. Korsmeyer SJ. **J Clin Invest** 1987 May; 79(5):1291–5 (62 ref.)

Expression of a murine polyclonal T cell receptor marker correlates with the use of specific members of the V beta 8 gene segment subfamily. Behlke MA, et al. **J Exp Med** 1987 Jan 1;165(1):257–62

Developmentally regulated expression of T cell receptor beta chain variable domains in immature thymocytes. Budd RC, et al. **J Exp Med** 1987 Aug 1;166(2):577–82

Expression of T cell receptor genes in human B cells. Calman AF, et al. **J Exp Med** 1986 Dec 1;164(6):1940–57

Human T cell gamma genes are frequently rearranged in

B-lineage acute lymphoblastic leukemias but not in chronic B cell proliferations. Chen Z, et al. **J Exp Med** 1987 Apr 1;165(4):1000–15

Human T cell receptor V beta gene polymorphism. Concannon P, et al. **J Exp Med** 1987 Apr 1;165(4):1130–40

Characterization of CD3+, CD4–, CD8– clones expressing the putative T cell receptor gamma gene product. Analysis of the activation pathways leading to interleukin 2 production and triggering of the lytic machinery. Ferrini S, et al. **J Exp Med** 1987 Jul 1;166(1):277–82

T cell receptor variable gene usage in a specific cytotoxic T cell response. Primary structure of the antigen-MHC receptor of four hapten-specific cytotoxic T cell clones. Iwamoto A, et al. **J Exp Med** 1987 Mar 1;165(3):591–600

Gene correction in the evolution of the T cell receptor beta chain. Jouvin-Marche E, et al. **J Exp Med** 1986 Dec 1; 164(6):2083–8

An expanded population of natural killer cells in mice with severe combined immunodeficiency (SCID) lack rearrangement and expression of T cell receptor genes. Lauzon RJ, et al. **J Exp Med** 1986 Nov 1;164(5):1797–802

Transient rearrangements of the T cell antigen receptor alpha locus in early thymocytes. Lindsten T, et al. **J Exp Med** 1987 Sep 1;166(3):761–75

T cell antigen receptor expression in athymic (nu/nu) mice. Evidence for an oligoclonal beta chain repertoire. MacDonald HR, et al. **J Exp Med** 1987 Jul 1;166(1):195–209

Correlation of T cell receptor V beta gene family with MHC restriction. Morel PA, et al. **J Exp Med** 1987 Aug 1; 166(2):583–8

Early genetic events in T cell development analyzed by in situ hybridization. Pardoll DM, et al. **J Exp Med** 1987 Jun 1;165(6):1624–38

High frequency of clonal immunoglobulin or T cell receptor gene rearrangements in acute myelogenous leukemia expressing terminal deoxyribonucleotidyltransferase. Seremetis SV, et al. **J Exp Med** 1987 Jun 1;165(6):1703–12

Analysis of a human V beta gene subfamily. Siu G, et al. **J Exp Med** 1986 Nov 1;164(5):1600–14

Generation of diversity in T cell receptor repertoire specific for pigeon cytochrome c. Sorger SB, et al. **J Exp Med** 1987 Feb 1;165(2):279–301

Beta-chain gene rearrangements and V beta gene usage in DPw2-specific T cells. Beall SS, et al. **J Immunol** 1987 Aug 15;139(4):1320–5

Comparison of T cell receptor gene rearrangements in patients with large granular T cell leukemia and Felty's syndrome. Freimark B, et al. **J Immunol** 1987 Mar 15; 138(6):1724–9

Activation of T cell antigen receptor alpha- and beta-chain genes in the thymus: implications for the lineages of developing cortical thymocytes. Kinnon C, et al. **J Immunol** 1986 Dec 15;137(12):4010–5

Genomic DNA encoding rabbit T cell receptor beta-chains: isotypes and allotypes of C beta. Komatsu M, et al. **J Immunol** 1987 Mar 1;138(5):1621–6

Molecular cloning of the cDNA encoding the T3 gamma subunit of the mouse T3/T cell antigen receptor complex. Krissansen GW, et al. **J Immunol** 1987 May 15; 138(10):3513–8

Genomic organization of T cell gamma genes in human peripheral blood natural killer cells. Lanier LL, et al. **J Immunol** 1986 Dec 1;137(11):3375–7

Abnormal expression of T cell receptor genes in Lyt-2-L3T4- lymphocytes of lpr mice: comparison with normal immature thymocytes. Miescher GC, et al. **J Immunol** 1987 Mar 15;138(6):1959–67

Human T cell gamma chain joining regions and T cell development. Quertermous T, et al. **J Immunol** 1987 Apr 15;138(8):2687–90

Changes in gene expression induced by a phorbol diester: expression of IL 2 receptor, T3, and T cell antigen receptor. Shackelford DA, et al. **J Immunol** 1987 Jan 15;138(2):613–9

T cell receptor genes do not rearrange or express functional transcripts in natural killer cells of scid mice. Tutt MM, et al. **J Immunol** 1987 Apr 1;138(7):2338–44

Murine natural killer cells do not express functional transcripts of the alpha-, beta-, or gamma-chain genes of the T cell receptor. Tutt MM, et al. **J Immunol** 1986 Nov 1;137(9):2998–3001

Genes encoding the alpha, beta, and gamma chains of the human T cell antigen receptor. Mak TW, et al. **J Infect Dis** 1987 Mar;155(3):418–22 (33 ref.)

Granulomatous slack skin: clonal rearrangement of the T-cell receptor beta gene is evidence for the lymphoproliferative nature of a cutaneous elastolytic disorder. LeBoit PE, et al. **J Invest Dermatol** 1987 Aug;89(2):183–6

Analysis of T cell receptor-gene rearrangement in T cells from the cerebrospinal fluid of patients with multiple sclerosis. Rotteveel FT, et al. **J Neuroimmunol** 1987 Jul–Aug;15(3):243–9

Interleukin 2, T cell receptor and sex hormone studies in autoimmune mice. Talal N, et al. **J Rheumatol** 1987 Jun; 14 Suppl 13:21–5

Heterogeneity of acute undifferentiated leukemia at the immunoglobulin and T-cell receptor genes level. Hara J, et al. **Jpn J Cancer Res** 1987 Feb;78(2):170–5

T cell receptor beta chain gene rearrangements in leukemias with immature T cell phenotype. Suzuki H, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1069–73

Rearrangement of immunoglobulin heavy chain genes and T3 expression in the absence of rearrangement of T-cell receptor beta-chain gene in a patient with T-cell malignant lymphoma. Ogawa H, et al. **Leuk Res** 1986;10(12):1369–75

Immunoglobulin heavy chain and T-cell receptor gamma and beta chain gene rearrangements in acute myeloid leukemias. Boehm TL, et al. **Mol Biol Med** 1987 Feb; 4(1):51–62

The T cell receptor and autoimmune diseases. Hoover ML, et al. **Mol Biol Med** 1987 Jun;4(3):123–32 (72 ref.)

T-cell receptor and immunoglobulin genes are rearranged together in Abelson virus-transformed pre-B and pre-T cells. Cook WD, et al. **Mol Cell Biol** 1987 Jan;7(1):266–72

Rearrangement and expression of T-cell antigen receptor genes in human T-lymphocyte tumor lines and normal human T-cell clones: evidence for allelic exclusion of Ti beta gene expression and preferential use of a J beta 2 gene segment. Leiden JM, et al. **Mol Cell Biol** 1986 Sep; 6(9):3207–14

Rearrangements of T-cell receptor beta-chain genes in human leukaemias. Kumar S, et al. **Mol Immunol** 1986 Dec; 23(12):1349–56

Circular T-cell receptor gene recombination products [news] Alt FW, et al. **Nature** 1987 May 21–27;327(6119):189–90

Rearrangement of a chicken immunoglobulin gene occurs in the lymphoid lineage of transgenic mice. Bucchini D, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):409–11

A new T-cell receptor gene located within the alpha locus and expressed early in T-cell differentiation. Chien YH, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):677–82 (60 ref.)

A novel population of T-cell receptor alpha beta-bearing thymocytes which predominantly expresses a single V beta gene family. Fowlkes BJ, et al. **Nature** 1987 Sep 17–23; 329(6136):251–4

Isolation of an excision product of T-cell receptor alpha-chain gene rearrangements [published erratum appears in Nature 1987 Jun 4–10;327(6121):439] Fujimoto S, et al. **Nature** 1987 May 21–27;327(6119):242–3

Retroviral transduction of T-cell antigen receptor beta-chain and myc genes. Fulton R, et al. **Nature** 1987 Mar 12–18; 326(6109):190–4

Receptor-gene sequence [letter] Hawkins JD. **Nature** 1987 Sep 10–16;329(6135):112

Regulation of T-cell receptor gamma-chain RNA expression in murine Thy-1+ dendritic epidermal cells. Kuziel WA, et al. **Nature** 1987 Jul 16–22;328(6127):263–6

Characterization of an expressed CD3-associated Ti gamma-chain reveals C gamma domain polymorphism. Littman DR, et al. **Nature** 1987 Mar 5–11;326(6108):85–8

A unique T-cell receptor complex expressed on human fetal lymphocytes displaying natural-killer-like activity. Moingeon P, et al. **Nature** 1986 Oct 16–22;323(6089):638–40

T gamma protein is expressed on murine fetal thymocytes as a disulphide-linked heterodimer. Nakanishi N, et al. **Nature** 1987 Feb 19–25;325(6106):720–3

Predictable acquisition of a new MHC recognition specificity following expression of a transfected T-cell receptor beta-chain gene. Saito T, et al. **Nature** 1987 Sep 17–23; 329(6136):256–9

A single micromanipulated stem cell gives rise to multiple T-cell receptor gene rearrangements in the thymus in vitro. Williams GT, et al. **Nature** 1986 Nov 6–12;324(6092):63–4

Predominant use of a V alpha gene segment in mouse T-cell receptors for cytochrome c. Winoto A, et al. **Nature** 1986 Dec 18–31;324(6098):679–82

Athymic mice express a high level of functional gamma-chain but greatly reduced levels of alpha- and beta-chain T-cell receptor messages. Yoshikai Y, et al. **Nature** 1986 Dec 4–10;324(6096):482–5

An RFLP associated with the human T-cell antigen receptor alpha chain locus. Lewis WH, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6760

Germline sequence of two human T-cell receptor V beta genes: V beta 8.1 is transcribed from a TATA-box promoter. Smith WJ, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4991

Continuing rearrangement of immunoglobulin and T-cell receptor genes in a Ha-ras-transformed lymphoid progenitor cell line. Alessandrini A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1799–803

Tandem linkage and unusual RNA splicing of the T-cell receptor beta-chain variable-region genes. Chou HS, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1992–6

Immunoglobulin and T-cell receptor gene rearrangement and expression in human lymphoid leukemia cells at different stages of maturation. Davey MP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8759–63

Secretion of a chimeric T-cell receptor–immunoglobulin protein. Gascoigne NR, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2936–40

The gene encoding the epsilon subunit of the T3/T-cell receptor complex maps to chromosome 11 in humans and to chromosome 9 in mice. Gold DP, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1664–8

Provocative pattern of rearrangements of the genes for the gamma and beta chains of the T-cell receptor in human leukemias. Goorha R, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4547–51

T-cell receptor genes in autoimmune mice: T-cell subsets have unexpected T-cell receptor gene programs. Hashimoto Y, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5883–7

T-cell antigen-receptor genes in autoimmune mice. Hashimoto Y, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7865–9

Sequence and expression of transcripts of the T-cell antigen receptor alpha-chain gene in a functional, antigen-specific suppressor-T-cell hybridoma. Imai K, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8708–12

DNA segment containing C beta 1, a gene for the constant region of the beta chain of the T-cell antigen receptor, was inserted into chromosome 6 in cells from one patient with human T-cell leukemia. Ino T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4264–7

Alpha-chain locus of the T-cell antigen receptor is involved in the t(10;14) chromosome translocation of T-cell acute lymphocytic leukemia. Kagan J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4543–6

Immunoglobulin and T-cell receptor beta-chain gene rearrangement analysis of Hodgkin's disease: implications for lineage determination and differential diagnosis. Knowles DM 2d, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7942–6

T3 glycoprotein is functional although structurally distinct on human T-cell receptor gamma T lymphocytes. Krangel MS, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3817–21

Genomic organization of the mouse T-cell receptor beta-chain gene family. Lai E, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3846–50

T-cell receptor alpha-chain gene is split in a human T-cell leukemia cell line with a t(11;14)(p15;q11). Le Beau MM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9744–8

Genetic polymorphism and exon changes of the constant regions of the human T-cell rearranging gene gamma. Lefranc MP, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9596–600

Molecular cloning of Lyt-3, a membrane glycoprotein marking a subset of mouse T lymphocytes: molecular homology to immunoglobulin and T-cell receptor variable and joining regions. Nakauchi H, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4210–4

AKR murine thymic leukemias are from a distinct thymic cell lineage and do not express the beta chain of the T-cell antigen receptor. Owen FL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7434–7

Multiple nuclear proteins bind upstream sequences in the promotor region of a T-cell receptor beta-chain variable-region gene: evidence for tissue specificity. Royer HD, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):232–6

T-cell antigen receptors with identical variable regions but different diversity and joining region gene segments have distinct specificities but cross-reactive idiotypes. Rupp F, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):219–22

Molecular cloning and expression of T11 cDNAs reveal a receptor-like structure on human T lymphocytes. Sayre PH, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2941–5

Thy-1+ dendritic epidermal cells belong to the T-cell lineage. Stingl G, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2430–4

The origin of the immune system. The possibility that immunoglobulin superfamily molecules and cell adhesion molecules of chicken and slime mould are all related. Matsunaga T, et al. **Scand J Immunol** 1987 May; 25(5):485–95

A minority of patients with rheumatoid arthritis show a dominant rearrangement of T-cell receptor beta chain genes in synovial lymphocytes. Savill CM, et al. **Scand J Immunol** 1987 Jun;25(6):629–35

Synchronized rearrangement of T-cell gamma and beta chain genes in fetal thymocyte development. Born W, et al. **Science** 1986 Oct 24;234(4775):479–82

Structurally divergent human T cell receptor gamma proteins encoded by distinct C gamma genes. Krangel MS, et al. **Science** 1987 Jul 3;237(4810):64–7

The T cell receptor family is growing [news] Marx JL. **Science** 1987 Jun 5;236(4806):1187–8

Molecular diversity of the human T-gamma constant region genes. Pelicci PG, et al. **Science** 1987 Aug 28; 237(4818):1051–5

Measuring the human T cell receptor gamma-chain locus. Strauss WM, et al. **Science** 1987 Sep 4;237(4819):1217–9

Non-T, non-B acute lymphocytic leukemias: cellular origin based on molecular analyses of immunoglobulin and T-cell alpha- and beta-chain receptor gene rearrangements. Okabe M, et al. **Tohoku J Exp Med** 1987 Jun;152(2):197–207

T cell receptor B chain rearrangements in human suppressor T lymphocytes. Rohowsky-Kochan C, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):811–4

[Alpha genes of the T cell receptor: a possible implication in genetic susceptibility to multiple sclerosis] Martell M, et al. **C R Acad Sci [III]** 1987;304(5):105–10 (Eng. Abstr.) **(Fre)**

[Rearrangement of the receptor genes of T cells for an antigen] Chen Z, et al. **Nouv Rev Fr Hematol** 1987; 29(1):43–8 (Eng. Abstr.) **(Fre)**

[Serological and immunomolecular markers for the diagnosis of hematopoietic tumors] Ueda R, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2176–84 (Eng. Abstr.) **(Jpn)**

[Structure of T lymphocyte receptors] Shigemoto K. **Nippon Rinsho** 1986 Apr;44(4):1004–11 (22 ref.) **(Jpn)**

[The principle of intermolecular recognition in immunology] Ohno S. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(9 Suppl):749–55 **(Jpn)**

IMMUNOLOGY

The T cell receptor: its repertoire and role in thymocyte development. Marrack P, et al. **Adv Exp Med Biol** 1987; 213:1–12

The role of the antigen receptor/T3 complex in T-cell activation. Weiss A, et al. **Adv Exp Med Biol** 1987;213:45–9

All in the superfamily: presentation of antigen receptors in the context of the major histocompatibility complex. Leserman L. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):53–63

Anti-L3T4 monoclonal antibody inhibits T-cell activation by anti-T-cell receptor antibody through a pathway not involving "associative recognition".Moldwin RL, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):131–4

Hypothesis: a molecular model for the MHC–restricted recognition of antigens by the T-cell receptor. Poljak RJ. **Ann Inst Pasteur Immunol** 1987 Mar–Apr;138(2):175–80

The structure of T-cell epitopes. Livingstone AM, et al. **Annu Rev Immunol** 1987;5:477–501 (90 ref.)

Why affinity progression of antibodies during immune responses is probably not accompanied by parallel changes in the immunoglobulin–like antigen–specific receptors on T cells. Eisen HN. **Bioessays** 1986 Jun;4(6):269–72

Direct evidence for the existence of nominal antigen binding sites on T cell surface Ti alpha–beta heterodimers of MHC–restricted T cell clones. Siliciano RF, et al. **Cell** 1986 Oct 24;47(2):161–71

Anti-clonotypic autoantibodies in pregnancy. Bonagura VR, et al. **Cell Immunol** 1987 Sep;108(2):356–65

Selective activation of helper and cytolytic T-cell functions of L3T4+ clones with either antireceptor antibody or phorbol ester and ionophore. Ju ST, et al. **Cell Immunol** 1987 May;106(2):260–72

Physical and functional association of the T cell receptor and the T3 molecular complex on cytotoxic T cell clones that are differentially inhibitable by anti–T3 antibodies. Leontsini E, et al. **Cell Immunol** 1986 Oct 1;102(1):21–32

The congenic mutant B6.C–H–2bm–1 (H–2bm–1) serological response to the T–cell receptor on EL4. Saunders PH, et al. **Cell Immunol** 1986 Sep;101(2):586–92

Unusual features of the T–cell receptor C domains are revealed by structural comparisons with other members of the immunoglobulin superfamily. Beale D, et al. **Comp Biochem Physiol [B]** 1986;85(1):205–15

Multiple T cell antigenic determinants identified within a limited region of the horse cytochrome c molecule. Baumhüter S, et al. **Eur J Immunol** 1987 May;17(5):651–6

T cell receptor–homologous mRNA from a suppressor T cell clone directs the synthesis of antigen–specific suppressive products. De Santis R, et al. **Eur J Immunol** 1987 Apr;17(4):575–8

Effective activation of resting mouse T lymphocytes by cross–linking submitogenic concentrations of the T cell antigen receptor with either Lyt–2 or L3T4. Eichmann K, et al. **Eur J Immunol** 1987 May;17(5):643–50

Accessory molecules and T cell activation. I. Antigen receptor avidity differentially influences T cell sensitivity to inhibition by monoclonal antibodies to LFA–1 and L3T4. Regnier–Vigouroux A, et al. **Eur J Immunol** 1986 Nov;16(11):1385–90

Hybrid antibody–mediated lysis of virus–infected cells. Staerz UD, et al. **Eur J Immunol** 1987 Apr;17(4):571–4

Shared idiotopes between anti–class II monoclonal antibodies and major histocompatibility complex recognition site of T cells. Tsuji M, et al. **Eur J Immunol** 1987 May; 17(5):675–81

T cell clones which share T cell receptor epitopes differ in phenotype, function and specificity. Yssel H, et al. **Eur J Immunol** 1986 Oct;16(10):1187–93

A family of T–cell receptor molecules expressed on T–cell clones with different specificities for allomajor histocompatibility antigens. Borst J, et al. **Hum Immunol** 1986 Dec;17(4):426–42

The T–cell receptor–T3 complex and T–lymphocyte activation. Oettgen HC, et al. **Hum Immunol** 1987 Mar; 18(3):187–204 (142 ref.)

Stimulation and expansion of a human T–cell subpopulation by a monoclonal antibody to T–cell receptor molecule. Wang CY, et al. **Hybridoma** 1986 Fall;5(3):179–90

Analysis of the biological functions and fine specificity of (T,G)–A––L specific T cell clones. Axelrod O, et al. **Immunobiology** 1986 Aug;172(1–2):99–109

Fine specificity and T–cell receptor beta–chain gene rearrangements of five H–2Db–specific cytotoxic T–cell clones. Schilham MW, et al. **Immunogenetics** 1987; 25(3):171–8

Antigen–major histocompatibility complex–T cell receptors: inquiries into the immunological ménage à trois. Klein J. **Immunol Res** 1986;5(3):173–90 (71 ref.)

Constitutive functional heterogeneity without detectable somatic mutation of antigen receptor genes in helper T cell clones: possible regulation by novel HLA class II "DY" determinants. Wernet P, et al. **Immunol Rev** 1987 Apr; 96:109–40 (57 ref.)

Human T lymphocytes expressing a defined T–cell antigen receptor family specifically kill the hybridoma that makes the anti–receptor monoclonal antibody. Boylston AW, et al. **Immunology** 1986 Nov;59(3):383–7

Characterization of a Db–specific helper factor required for the induction of cytotoxic responses to alloantigens with the use of monoclonal antibodies specific for the helper factor or the T–cell antigen receptor. Kwong PC, et al. **Immunology** 1987 Jun;61(2):143–50

Generation of cells expressing cytoplasmic and/or surface T–cell receptor beta chains during the development of mouse fetal thymus. Owen JJ, et al. **Immunology** 1986 Sep; 59(1):23–7

Lysis of tumor cells by the retargeting of murine cytolytic T lymphocytes with bispecific antibodies. Barr IG, et al. **Int J Cancer** 1987 Sep 15;40(3):423–9

Functional gamma chain–associated T cell receptors on cerebrospinal fluid–derived natural killer–like T cell clones. Ang SL, et al. **J Exp Med** 1987 May 1;165(5):1453–8

Epitopes associated with the MHC restriction site of T cells. II. Somatic generation of Iat epitopes on T cells in radiation bone marrow chimeras. Asano Y, et al. **J Exp Med** 1987 Jan 1;165(1):87–96

Independent association of T cell receptor beta and gamma chains with CD3 in the same cell. Koning F, et al. **J Exp Med** 1987 Aug 1;166(2):595–600

Antibody–induced modulation of the CD3/T cell receptor complex causes T cell refractoriness by inhibiting the early metabolic steps involved in T cell activation. Pantaleo G, et al. **J Exp Med** 1987 Aug 1;166(2):619–24

Antigen receptor–regulated exocytosis in cytotoxic T lymphocytes. Takayama H, et al. **J Exp Med** 1987 Sep 1;166(3):725–43

Downregulation of T cell responses by antibodies to the T cell receptor. Webb S, et al. **J Exp Med** 1987 Feb 1; 165(2):584–9

The role of the T cell receptor, CD8, and LFA–1 in different stages of the cytolytic reaction mediated by alloreactive T lymphocyte clones. Blanchard D, et al. **J Immunol** 1987 Apr 15;138(8):2417–21

Growth inhibition of human T cells by antibodies recognizing the T cell antigen receptor complex. Breitmeyer JB, et al. **J Immunol** 1987 Feb 1;138(3):726–31

Characterization and expression of the human alpha beta T cell receptor by using a framework monoclonal antibody. Brenner MB, et al. **J Immunol** 1987 Mar 1:138(5):1502–9

Quantitation of T cell antigen–binding molecules (TABM) in the sera of nonimmunized, immunized, and desensitized mice. Cone RE, et al. **J Immunol** 1987 Jan 1;138(1):234–9

Distinct epitopes on the T cell antigen receptor of HPB–ALL tumor cells identified by monoclonal antibodies. Lanier LL, et al. **J Immunol** 1986 Oct 1;137(7):2286–92

Identification of monoclonal antibodies specific for the T cell receptor complex by Fc receptor–mediated CTL lysis. Leo O, et al. **J Immunol** 1986 Dec 15;137(12):3874–80

The composition of the T cell receptor repertoire in nude mice. Maleckar JR, et al. **J Immunol** 1987 Jun 1; 138(11):3873–6

Prediction of immunodominant helper T cell antigenic sites from the primary sequence. Margalit H, et al. **J Immunol** 1987 Apr 1;138(7):2213–29

Antibodies to the L3T4 and Lyt–2 molecules interfere with antigen receptor–driven activation of cloned murine T cells. Moldwin RL, et al. **J Immunol** 1987 Aug 1; 139(3):657–64

Inhibition of IL 2–driven proliferation of murine T lymphocyte clones by supraoptimal levels of immobilized anti–T cell receptor monoclonal antibody. Nau GJ, et al. **J Immunol** 1987 Jul 1;139(1):114–22

Characterization of an anti–peptide antibody that recognizes the murine analogue of the human T cell antigen receptor–T3 delta–chain. Samelson LE, et al. **J Immunol** 1986 Nov 15;137(10):3254–8

Receptor diversity of insulin–specific T cell lines from C57BL (H–2b) mice. Spinella DG, et al. **J Immunol** 1987 Jun 1;138(11):3991–5

T cell receptor–CD3 complex during early T cell differentiation. Analysis of immature T cell acute lymphoblastic leukemias (T–ALL) at DNA, RNA, and cell membrane level. van Dongen JJ, et al. **J Immunol** 1987 Feb 15;138(4):1260–9

T3–T cell receptor (Ti) complex–independent activation of T cells by wheat germ agglutinin. Yachie A, et al. **J Immunol** 1987 May 1;138(9):2843–7

Stimulation of T cells via the TAP molecule, a member in a family of activating proteins encoded in the Ly–6 locus. Yeh ET, et al. **J Immunol** 1987 Jan 1;138(1):91–7

Antibodies to T cell antigen receptor beta chain families detect monoclonal T cell proliferation [published erratum appears in Lancet 1986 Dec 6;2(8519):1342] Clark DM, et al. **Lancet** 1986 Oct 11;2(8511):835–7

Preparation and characterization of a "pan–reactive" rabbit anti–mouse T–cell receptor antiserum. Kubo RT, et al. **Mol Immunol** 1986 Aug;23(8):869–78

Identification of the T–cell and Ia contact residues of a T–cell antigenic epitope. Allen PM, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):713–5

A T–cell receptor gamma/CD3 complex found on cloned functional lymphocytes. Borst J, et al. **Nature** 1987 Feb 19–25;325(6106):683–8

Two forms of the T–cell receptor gamma protein found on peripheral blood cytotoxic T lymphocytes. Brenner MB, et al. **Nature** 1987 Feb 19–25;325(6106):689–94

Functional interaction between human T–cell protein CD4 and the major histocompatibility complex HLA–DR antigen. Gay D, et al. **Nature** 1987 Aug 13–19; 328(6131):626–9

Thy–1–mediated T–cell activation requires co–expression of CD3/Ti complex. Gunter KC, et al. **Nature** 1987 Apr 2–8; 326(6112):505–7

Presence of Ti (WT31) negative T lymphocytes in normal blood and thymus. Lanier LL, et al. **Nature** 1986 Nov 20–26;324(6094):268–70

A gamma–chain complex forms a functional receptor on cloned human lymphocytes with natural killer–like activity. Moingeon P, et al. **Nature** 1987 Feb 19–25;325(6106):723–6

T–cell receptors. Who needs more? [news] Reinherz EL. **Nature** 1987 Feb 19–25;325(6106):660–3

Specific antigen–Ia activation of transfected human T cells expressing murine Ti alpha beta–human T3 receptor complexes. Saito T, et al. **Nature** 1987 Jan 8–14; 325(7000):125–30

Pleiotropic loss of activation pathways in a T–cell receptor alpha–chain deletion variant of a cytolytic T–cell clone. Schmitt–Verhulst AM, et al. **Nature** 1987 Feb 12–18; 325(6105):628–31

The T–cell receptor gamma chain–CD3 complex: implication in the cytotoxic activity of a CD3+ CD4– CD8– human natural killer clone. Alarcon B, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3861–5

Antigen–receptor interaction requirement for conjugate formation and lethal–hit triggering by cytotoxic T lymphocytes can be bypassed by protein kinase C activators and Ca2+ ionophores. Berrebi G, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1364–8

Synergism in the activation of human CD8 T cells by cross–linking the T–cell receptor complex with the CD8 differentiation antigen. Emmrich F, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8298–302

Identification of a monoclonal antibody specific for a murine T3 polypeptide. Leo O, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1374–8

Localization of the T4 antigen/AIDS virus receptor in monkey and rat brain: prominence in cortical regions. Hill JM, et al. **Psychopharmacol Bull** 1986;22(3):689–94

Activation of resting, pure CD4+, and CD8+ cells via CD3. Requirements for second signals. Halvorsen R, et al. **Scand J Immunol** 1987 Aug;26(2):197–205

Internalization (but no recycling) of T cell receptor, T3 antigen, and other T cell antigens. Tax WJ, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):273–6

Induction of antiidiotypic antibodies by blood transfusions. Characterization of T cell alloantigen–specific receptors by sera from transfused mice. Singal DP, et al. **Transplantation** 1986 Dec;42(6):632–5

[The antigen receptor on the T–lymphocyte: from molecular biology to therapeutic implications] Bensussan A, et al. **Presse Med** 1987 May 16;16(18):879–80 **(Fre)**

ISOLATION & PURIFICATION

Isolation of antigen–binding membrane molecules from an antigen–specific T–cell hybrid. Cone RE, et al. **Cell Immunol** 1986 Apr 15;99(1):257–64

Abnormal tyrosine phosphorylation on T–cell receptor in lymphoproliferative disorders. Samelson LE, et al. **Nature** 1986 Dec 18–31;324(6098):674–6

A new subunit of the human T–cell antigen receptor complex. Weissman AM, et al. **Nature** 1986 Dec 4–10; 324(6096):480–2

METABOLISM

Soluble interleukin–2 receptors in the serum of patients with Hodgkin's disease. Pizzolo G, et al. **Br J Cancer** 1987 Apr; 55(4):427–8

Phorbol 12–myristate 13–acetate induces surface expression of T3 on human immature T cell lines with and without concomitant expression of the T cell antigen receptor complex. Carrel S, et al. **Eur J Immunol** 1987 Aug; 17(8):1079–87

Phenotype of stromal cell–associated thymocytes in situ is compatible with selection of the T cell repertoire at an "immature" stage of thymic T cell differentiationKyewski BA, et al. **Eur J Immunol** 1987 Jul;17(7):961–7

Internalization of human T lymphocyte receptors. Telerman A, et al. **Eur J Immunol** 1987 Jul;17(7):991–7

T cell receptor tyrosine phosphorylation. Variable coupling for different activating ligands. Klausner RD, et al. **J Biol Chem** 1987 Sep 15;262(26):12654–9

Multiple kinases and signal transduction. Phosphorylation of the T cell antigen receptor complex. Patel MD, et al. **J Biol Chem** 1987 Apr 25;262(12):5831–8

Regulation of inositol 1,4,5–trisphosphate kinase activity after stimulation of human T cell antigen receptor. Imboden JB, et al. **J Clin Invest** 1987 May;79(5):1538–41

Endocytosis and recycling of the T3–T cell receptor complex. The role of T3 phosphorylation. Krangel MS. **J Exp Med** 1987 Apr 1;165(4):1141–59

Dominance of one T–cell receptor in the H–2Kb/TNP response. Hochgeschwender U, et al. **Nature** 1987 Mar 19–25;326(6110):307–9

Expression of the T–cell receptor gamma–chain gene products on the surface of peripheral T cells and T–cell blasts generated by allogeneic mixed lymphocyte reaction. Maeda K, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6536–40

Building a multichain receptor: synthesis, degradation, and assembly of the T–cell antigen receptor. Minami Y, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2688–92

Interleukin 2 binding molecule distinct from the Tac protein: analysis of its role in formation of high–affinity receptors. Robb RJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;

84(7):2002–6
Intracellular accumulation of T-cell receptor complex molecules in a human T-cell line. Tse DB, et al. **Science** 1986 Nov 7;234(4777):748–51

PHYSIOLOGY

Phosphorylation of T-cell antigen receptor-associated proteins: correlation with activation for killing and/or for gamma-interferon production by a cytolytic T-cell clone. Boyer C, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):65–82
Structure, function, and serology of the T-cell antigen receptor complex. Allison JP, et al. **Annu Rev Immunol** 1987;5:503–40 (224 ref.)
Two pathways of T cell activation. Meuer SC, et al. **Behring Inst Mitt** 1987 Jun;(81):15–30 (59 ref.)
Gene transfer experiments to study T-cell recognition of MHC and antigen. Steinmetz M, et al. **Behring Inst Mitt** 1987 Jun;(81):41–5
Reconstitution of MHC class I specificity by transfer of the T cell receptor and Lyt-2 genes. Gabert J, et al. **Cell** 1987 Aug 14;50(4):545–54
The role of K+ in the regulation of the increase in intracellular Ca2+ mediated by the T lymphocyte antigen receptor. Gray LS, et al. **Cell** 1987 Jul 3;50(1):119–27
A subset of T cell receptors associated with L3T4 molecules mediates C6VL leukemia cell binding of its cognate retrovirus. O'Neill HC, et al. **Cell** 1987 Apr 10;49(1):143–51
The role of the L3T4 molecule in mitogen and antigen-activated signal transduction. Rosoff PM, et al. **Cell** 1987 Jun 19;49(6):845–53
Antigen activation of murine T cells induces tyrosine phosphorylation of a polypeptide associated with the T cell antigen receptor. Samelson LE, et al. **Cell** 1986 Sep 26;46(7):1083–90
Cross-linking of the T cell receptor complex with the subset-specific differentiation antigen stimulates interleukin 2 receptor expression in human CD4 and CD8 T cells. Emmrich F, et al. **Eur J Immunol** 1987 Apr;17(4):529–34
Signal transducing mechanisms involved in human T cell activation via surface T44 molecules. Comparison with signals transduced via the T cell receptor complex. Pantaleo G, et al. **Eur J Immunol** 1986 Dec;16(12):1639–42
Insulin-specific T cell help to TNP-specific B cells requires activation via the antigen T cell receptor. Rubin B, et al. **Eur J Immunol** 1986 Oct;16(10):1223–9
CD4 receptor binding peptides that block HIV infectivity cause human monocyte chemotaxis. Relationship to vasoactive intestinal polypeptide. Ruff MR, et al. **FEBS Lett** 1987 Jan 19;211(1):17–22
T-cell antigen receptor expression in the thymus. Acuto O, et al. **Hum Immunol** 1987 Feb;18(2):93–110 (105 ref.)
Activation antigens and signal transduction in lymphocyte activation. **Immunol Rev** 1987 Feb;95:1–194
Functional and molecular aspects of human T lymphocyte activation via T3-Ti and T11 pathways. Alcover A, et al. **Immunol Rev** 1987 Feb;95:5–36 (64 ref.)
Cell growth cycle block of T cell hybridomas upon activation with antigen. Ashwell JD, et al. **J Exp Med** 1987 Jan 1; 165(1):173–94
A 275 basepair fragment at the 5' end of the interleukin 2 gene enhances expression from a heterologous promoter in response to signals from the T cell antigen receptor. Durand DB, et al. **J Exp Med** 1987 Feb 1;165(2):395–407
Antigen-specific, MHC nonrestricted T helper cell–induced B cell activation. Friedman SM, et al. **J Exp Med** 1986 Nov 1;164(5):1773–8
Expression and role of the T cell receptor in early thymocyte differentiation in vitro. Born W, et al. **J Immunol** 1987 Feb 15;138(4):999–1008
Complexity of T cell receptor recognition sites for defined alloantigens. Borst J, et al. **J Immunol** 1987 Sep 15; 139(6):1952–9
Derivation of cytotoxic T cell lines that express T cell receptor but exhibit reversible loss of stable antigen binding. Gnarra JR, et al. **J Immunol** 1986 Nov 15;137(10):3057–64
Anti-T cell receptor antibodies fail to inhibit specific lysis by CTL clones but activate lytic activity for irrelevant targets. Henkel TJ, et al. **J Immunol** 1987 Feb 15; 138(4):1221–8
Membrane-associated interleukin 1 is required for the activation of T cells in the anti-CD3 antibody-induced T cell response. Hurme M. **J Immunol** 1987 Aug 15; 139(4):1168–72
Antigen recognition by a human T cell clone leads to increases in inositol trisphosphate. Imboden J, et al. **J Immunol** 1987 Mar 1;138(5):1322–4
CTL adhesion and antigen recognition are discrete steps in the human CTL-target cell interaction. Mentzer SJ, et al. **J Immunol** 1987 Mar 1;138(5):1325–30
Antigen-specific and -nonspecific mitogenic signals in the activation of human T cell clones. Nisbet-Brown ER, et al. **J Immunol** 1987 Jun 1;138(11):3713–9
Cell surface T3 expression requires the presence of both alpha- and beta-chains of the T cell receptor. Saito T, et al. **J Immunol** 1987 Jul 15;139(2):625–8
T cell antigen receptor triggered exocytosis in cytotoxic T lymphocytes is inhibited by soluble, but not immobilized monoclonal antibodies to Lyt-2 antigen. Takayama H, et al. **J Immunol** 1987 Aug 15;139(4):1014–21
Antigen receptor-triggered secretion of a trypsin-type esterase from cytotoxic T lymphocytes. Takayama H, et al. **J Immunol** 1987 Jan 15;138(2):566–9
Ligand-receptor interactions required for commitment to the activation of the interleukin 2 gene. Weiss A, et al. **J Immunol** 1987 Apr 1;138(7):2169–76
Improvement of the in vitro T cell proliferation assay by a modified method that separates the antigen recognition and IL-2-dependent steps. Chain B, et al. **J Immunol Methods** 1987 May 20;99(2):221–8
Stimulation of T cells through the CD3/T-cell receptor complex: role of cytoplasmic calcium, protein kinase C translocation, and phosphorylation of pp60c-src in the activation pathway. Ledbetter JA, et al. **Mol Cell Biol** 1987 Feb;7(2):650–6
Molecular analysis of antigen recognition by insulin-specific T-cell hybridomas from B6 wild-type and bm12 mutant mice. Sherman DH, et al. **Mol Cell Biol** 1987 May; 7(5):1865–72
Evidence for a physical association of CD4 and the CD3:alpha:beta T-cell receptor. Saizawa K, et al. **Nature** 1987 Jul 16–22;328(6127):260–3
The role of the T-cell receptor in thymocyte maturation: effects in vivo of anti-receptor antibody. McDuffie M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8728–32
T-cell tumor elimination as a result of T-cell receptor-mediated activation. Ashwell JD, et al. **Science** 1987 Jul 3;237(4810):61–4
The T-cell receptor for antigen. Haskins K. **Year Immunol** 1985;:74–9
The prothymocyte and commitment to T-cell differentiation. Silverstone AE. **Year Immunol** 1985;:80–5 (48 ref.)
The T cell receptor/T3 complex. Terhorst C, et al. **Year Immunol** 1986;2:245–53 (21 ref.)
The T-cell receptor/T3 complex. Terhorst C, et al. **Year Immunol** 1985;:62–73 (40 ref.)

RECEPTORS, BENZODIAZEPINE see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, BENZODIAZEPINE-GABA see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, BETA ADRENERGIC see **RECEPTORS, ADRENERGIC, BETA**

RECEPTORS, BIOLOGICAL see **RECEPTORS, ENDOGENOUS SUBSTANCES**

RECEPTORS, CHOLECYSTOKININ

ANALYSIS

Correlation of cholecystokinin receptors with gallbladder contractility in patients with gallstones. Upp JR Jr, et al. **Ann Surg** 1987 Jun;205(6):641–8
Investigation of peripheral cholecystokinin receptor heterogeneity by cyclic and related linear analogues of CCK26–33: synthesis and biological properties. Charpentier B, et al. **J Med Chem** 1987 Jun;30(6):962–8
Design of nonpeptidal ligands for a peptide receptor: cholecystokinin antagonists. Evans BE, et al. **J Med Chem** 1987 Jul;30(7):1229–39
Autoradiographic localization and biochemical characterization of peripheral type CCK receptors in rat CNS using highly selective nonpeptide CCK antagonists. Hill DR, et al. **J Neurosci** 1987 Sep;7(9):2967–76
Regulation of somatostatin-14 and gastrin I binding sites in rat gastrointestinal mucosa by ulcerogenic dose of cysteamine. Rossowski WJ, et al. **Life Sci** 1987 May 4; 40(18):1783–9
Ontogeny of secretory function and cholecystokinin binding capacity in immature rat pancreas. Werlin SL, et al. **Life Sci** 1987 Jun 8;40(23):2237–45
Biochemical characterization of the pancreatic cholecystokinin receptor using monofunctional photoactivatable probes. Pearson RK, et al. **Pancreas** 1987; 2(1):79–84
Monoclonal antibody to the gastrin receptor on parietal cells recognizes a 78-kDa protein. Mu FT, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2698–702

DRUG EFFECTS

Inhibition of pentagastrin-stimulated up-regulation of gastrin receptors and growth of mouse colon tumor in vivo by proglumide, a gastrin receptor antagonist. Singh P, et al. **Cancer Res** 1987 Oct 1;47(19):5000–4
Evidence that cholecystokinin octapeptide (CCK-8) acts as a potent, full agonist on gastrin receptors for acid secretion in the isolated mouse stomach: lack of antagonism by the specific CCK antagonist asperlicin. Lotti VJ, et al. **Digestion** 1986;35(3):170–4
Pharmacologic characterization of excitatory and inhibitory cholecystokinin receptors of the cat gallbladder and sphincter of Oddi. Behar J, et al. **Gastroenterology** 1987 Mar;92(3):764–70
A synthetic peptide derivative that is a cholecystokinin receptor antagonist. Lignon MF, et al. **J Biol Chem** 1987 May 25;262(15):7226–31
Beneficial effects of cholecystokinin-receptor blockade and inhibition of proteolytic enzyme activity in experimental acute hemorrhagic pancreatitis in mice. Evidence for cholecystokinin as a major factor in the development of acute pancreatitis. Niederau C, et al. **J Clin Invest** 1986 Oct;78(4):1056–63
Tifluadom, a kappa-opiate agonist, acts as a peripheral cholecystokinin receptor antagonist. Chang RS, et al. **Neurosci Lett** 1986 Dec 12;72(2):211–4
[Decreased sensitivity of cholecystokinin receptors in the brain as affected by the prolonged administration of haloperidol] Vasar EE, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):583–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Carbachol regulates cholecystokinin receptor on pancreatic acinar cells. Honda T, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G77–83
Structural features of various proglumide-related cholecystokinin receptor antagonists. Jensen RT, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):G839–46
Gastrin receptor characterization: affinity cross-linking of the gastrin receptor on canine gastric parietal cells. Matsumoto M, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):G143–7
Heterogeneity of cholecystokinin receptors in pancreas. Madison LD, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):761–7
Establishment of a new short, protease-resistant, affinity labeling reagent for the cholecystokinin receptor. Pearson RK, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):346–53
Characterization of [3H](+/-)L-364,718 binding to solubilized cholecystokinin (CCK) receptors of rat pancreas. Chang RS, et al. **Biochem Pharmacol** 1987 May 15;36(10):1709–14
Transport of cholecystokinin (CCK) binding sites in subdiaphragmatic vagal branches. Moran TH, et al. **Brain Res** 1987 Jul 7;415(1):149–52
A comparative study on characterization and distribution of cholecystokinin binding sites among the rat, mouse and guinea pig brain. Sekiguchi R, et al. **Brain Res** 1986 Dec 10;399(2):271–81
Receptors for cholecystokinin and gastrin peptides display specific binding properties and are structurally different in guinea-pig and dog pancreas. Fourmy D, et al. **Eur J Biochem** 1987 Jun 15;165(3):683–92
Affinity labeling of a novel cholecystokinin-binding protein in rat pancreatic plasmalemma using new short probes for the receptor. Pearson RK, et al. **J Biol Chem** 1987 Jan 15;262(2):869–76
Synthesis and binding affinities of analogues of cholecystokinin-(30–33) as probes for central nervous system cholecystokinin receptors. Horwell DC, et al. **J Med Chem** 1987 Apr;30(4):729–32
Release of acetylcholine mediated by cholecystokinin receptor from the guinea pig sphincter of Oddi. Harada T, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):554–8
Roles of endogenous cholecystokinin in biliary, pancreatic and gastric function: studies with L-364,718, a specific cholecystokinin receptor antagonist. Pendleton RG, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):110–6
Possible involvement of the CCK receptor in the benzodiazepine antagonism to CCK in the mouse brain. Sugaya K, et al. **Jpn J Pharmacol** 1987 Jan;43(1):67–71
Characterization of [3H]cholecystokinin octapeptide binding to mouse brain synaptosomes: effects of neuroleptics. Hama Y, et al. **Neurochem Res** 1987 Aug;12(8):729–37
High concentrations of cholecystokinin receptor binding sites in the ventromedial hypothalamic nucleus. Day NC, et al. **Neuropeptides** 1986 Jul;8(1):1–18
Localization of cholecystokinin receptors in relation to the nigrostriatal and mesolimbic dopaminergic pathways. Gaudreau P, et al. **Neuropeptides** 1987 May–Jun; 9(4):283–93
Distribution of [3H]cholecystokinin octapeptide binding sites in the hippocampal region of the rat brain as shown by in vitro receptor autoradiography. Köhler C, et al. **Neuroscience** 1987 Jun;21(3):857–67
CR-1409: a potent inhibitor of cholecystokinin-stimulated amylase release and cholecystokinin binding in rat pancreatic acini. Iwamoto Y, et al. **Pancreas** 1987; 2(1):85–90
Effect of hydrocortisone on the maturation of cholecystokinin (CCK) binding and CCK stimulated amylase release in pancreatic acini of neonatal rats. Leung YK, et al. **Pancreas** 1987;2(1):73–8
High affinity binding of cholecystokinin to small cell lung cancer cells. Yoder DG, et al. **Peptides** 1987 Jan–Feb; 8(1):103–7
Cholecystokinin induces the interaction of its receptor with a guanine nucleotide binding protein. Williams JA, et al. **Regul Pept** 1987 Aug 3;18(2):109–17
Molecular properties of solubilized CCK receptor from guinea-pig pancreas. Zahidi A, et al. **Regul Pept** 1986 Aug; 15(1):25–36
The storage time of monoiodinated gastrin affects the biological activity and binding to rat fundic plasma membranes similarly, whereas the immunoreactivity is less affected. Kleveland PM, et al. **Scand J Gastroenterol** 1987 May;22(4):390–6

PHYSIOLOGY

Cholecystokinin receptor antagonists: a review. Silverman MA, et al. **Am J Gastroenterol** 1987 Aug;82(8):703–8 (63 ref.)

Development of cholecystokinin binding sites in rat upper gastrointestinal tract. Robinson PH, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G529–34

Differences between muscular receptors and neural receptors for cholecystokinin–octapeptide in the guinea-pig gallbladder. Takahashi T, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):255–8

Regional and cellular heterogeneity of cholecystokinin receptors mediating muscle contraction in the gut [published erratum appears in Gastroenterology 1987 Jun;92(6):2055] Grider JR, et al. **Gastroenterology** 1987 Jan; 92(1):175–80

Cholecystokinin–dopamine coexistence: electrophysiological actions corresponding to cholecystokinin receptor subtype. Hommer DW, et al. **J Neurosci** 1986 Oct;6(10):3039–43

RECEPTORS, CHOLINERGIC

Conformation of cytoplasmic segments of acetylcholine receptor alpha- and beta-subunits probed by monoclonal antibodies: sensitivity of the antibody competition approach. Kordossi AA, et al. **EMBO J** 1987 Jun; 6(6):1605–10

Analysis of acetylcholine receptor phosphorylation sites using antibodies to synthetic peptides and monoclonal antibodies. Safran A, et al. **EMBO J** 1986 Dec 1; 5(12):3175–8

ANALYSIS

Measurement of acetylcholine receptor concentration in skeletal muscle from a patient with multiple sclerosis and resistance to atracurium. Brett RS, et al. **Anesthesiology** 1987 Jun;66(6):837–9

(1-Pyrene)sulfonyl azide: a fluorescent probe for measuring the transmembrane topology of acetylcholine receptor subunits. Clarke J, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):101–9

A p60v-src-related tyrosine kinase in the acetylcholine receptor-rich membranes of Narke japonica: association and dissociation of phosphatidylinositol kinase activity. Fukami Y, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):473–9

Solubilization and separation of Ca2+-ATPase from the Ca2+-ryanodine receptor complex. Pessah IN, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):235–43

Soluble and membrane-bound muscarinic acetylcholine receptors. Birdsall NJ, et al. **Biochem Soc Symp** 1986; 52:23–32

Role of cholinergic neuromuscular transmission in the neuroregulation of the autophosphorylatable regulatory subunit of cyclic AMP-dependent protein kinase type II and the acetylcholine receptor content in skeletal muscle. Held IR, et al. **Brain Res** 1987 Mar 31;407(2):341–50

Analysis of helper-T-cell function by acetylcholine receptor-reactive cell lines of defined AChR-subunit specificity. Krolick KA, et al. **Cell Immunol** 1987 Mar; 105(1):75–85

Monoclonal antibodies as probes of the alpha-bungarotoxin and cholinergic binding regions of the acetylcholine receptor. Mihovilovic M, et al. **J Biol Chem** 1987 Apr 15; 262(11):4978–86

A postsynaptic Mr 58,000 (58K) protein concentrated at acetylcholine receptor-rich sites in Torpedo electroplaques and skeletal muscle. Froehner SC, et al. **J Cell Biol** 1987 Jun;104(6):1633–46

Immunohistochemical localization of acetylcholine receptors at human endplates using a monoclonal antibody. Smit LM, et al. **J Histochem Cytochem** 1987 May;35(5):613–7

Refractoriness to a second episode of experimental myasthenia gravis. Correlation with AChR concentration and morphologic appearance of the postsynaptic membrane. Corey AL, et al. **J Immunol** 1987 May 15; 138(10):3269–75

Identification of a nicotinic acetylcholine receptor on neurons using an alpha-neurotoxin that blocks receptor function. Halvorsen SW, et al. **J Neurosci** 1986 Nov;6(11):3405–12

Acetylcholine receptors and sodium channels in denervated and botulinum-toxin-treated adult rat muscle. Bambrick L, et al. **J Physiol (Lond)** 1987 Jan;382:69–86

Functional acetylcholine receptor in PC12 cells reacts with a monoclonal antibody to brain nicotinic receptors. Whiting PJ, et al. **Nature** 1987 Jun 11–17;327(6122):515–8

Autoantibodies to acetylcholine receptor in myasthenia gravis: light chains. Knight JG, et al. **Neurology** 1986 Nov; 36(11):1531–3

Reduced number of [3H]nicotine and [3H]acetylcholine binding sites in the frontal cortex of Alzheimer brains. Nordberg A, et al. **Neurosci Lett** 1986 Dec 3;72(1):115–9

BIOSYNTHESIS

Ascorbic acid and acetylcholine receptor expression. Knaack D, et al. **Ann NY Acad Sci** 1987;498:77–89 (30 ref.)

Calcitonin gene-related peptide regulates muscle acetylcholine receptor synthesis. New HV, et al. **Nature** 1986 Oct 30-Nov 5;323(6091):809–11

DRUG EFFECTS

Potentiation of cholinergic tone by pyridostigmine bromide re-instates and potentiates the growth hormone responsiveness to intermittent administration of growth hormone-releasing factor in man. Massara F, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):12–6

Cholinergic and dopaminergic alterations in the mouse central nervous system following acute trimethyltin exposure. Ali SF, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):179–88

Secretin potentiates cholinergically induced glucagon secretion in the mouse. Ahrén B, et al. **Acta Physiol Scand** 1986 Dec;128(4):575–8

The comparison of the influence of the central cholinergic system on the catalepsy induced by neuroleptics or opioids. Kmicińska M, et al. **Acta Pol Pharm** 1986;43(2):171–5

Near-total loss of 'learning' and 'memory' as a result of combined cholinergic and serotonergic blockade in the rat. Vanderwolf CH. **Behav Brain Res** 1987 Jan;23(1):43–57

Central cholinergic involvement in working memory: effects of scopolamine on continuous nonmatching and discrimination performance in the rat. Spencer DG Jr, et al. **Behav Neurosci** 1985 Dec;99(6):1049–65

Cholinergic receptor blockade in the rat impairs locale but not taxon strategies for place navigation in a swimming pool. Whishaw IQ. **Behav Neurosci** 1985 Oct; 99(5):979–1005

Synergistic inhibition by trifluoperazine and phencyclidine of carbamylcholine-induced cation influx in muscle cultures. Gamliel A, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2271–7

Amitriptyline supersensitizes a central cholinergic mechanism. Dilsaver SC, et al. **Biol Psychiatry** 1987 Apr; 22(4):495–507

Chronic inescapable footshock produces cholinergic system supersensitivity. Dilsaver SC, et al. **Biol Psychiatry** 1987 Jul;22(7):914–8

Mechanism of action of lithium on acetylcholine receptor metabolism in skeletal muscle. Pestronk A, et al. **Brain Res** 1987 Jun 2;412(2):302–10

Increased responsiveness to stimulation of alpha- but not beta-adrenoceptors in the hereditary cardiomyopathy of the Syrian hamster. Intact adenosine- and cholinoceptor-mediated isoprenaline antagonistic effect. Böhm M, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):195–203

Competitive interaction of pirenzepine with rat brain muscarinic acetylcholine receptors. el-Fakahany EE, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):237–47

Paraoxon-induced decrease in the muscarinic acetylcholine receptor content in rat heart. Kubinec J, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):295–301

Pharmacological profile of a novel class of muscarinic acetylcholine receptor agonists. Sauerberg P, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):125–31

Bombesin-induced hypothermia: possible involvement of cholinergic and dopaminergic receptors in the rat hypothalamus. Chiu WT, et al. **Exp Neurol** 1987 Feb; 95(2):368–77

Antagonism of central but not peripheral cholinergic receptors retards amygdala kindling in rats. Westerberg V, et al. **Exp Neurol** 1987 Jan;95(1):194–206

Blockade and recovery of the acetylcholine receptor produced by a thienyl analog of phencyclidine: influence of voltage, temperature, frequency of stimulation and conditioning pulse duration. Aguayo LG, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):25–31

Noncompetitive blockade of the nicotinic acetylcholine receptor-ion channel complex by an irreversible cholinesterase inhibitor. Rao KS, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):337–44

Effects of chlorpromazine and phencyclidine on mouse C2 acetylcholine receptor kinetics. Changeux JP, et al. **J Physiol (Lond)** 1986 Sep;378:497–513

Changes in cholinergic markers following kainic acid lesion of the ventral globus pallidus in rat. Ueki A, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):87–96

Marked up-regulation of the beta-bungarotoxin site in adrenal chromaffin cells by specific nicotinic antagonists. Quik M, et al. **Mol Pharmacol** 1987 Apr;31(4):385–91

Ethylcholine mustard aziridinium ion lesions of the rat cortex result in retrograde degeneration of basal forebrain cholinergic neurons: implications for animal models of neurodegenerative disease. Stephens PH, et al. **Neurochem Res** 1987 Jul;12(7):613–8

4-aminopyridine activates a cholinergic chloride conductance in isolated Helix neurons. Ikemoto Y, et al. **Neurosci Lett** 1987 Apr 23;76(1):42–6

Effect of cholinergic deficit induced by ethylcholine aziridinium on serotonergic parameters in rat brain. Hörtnagl H, et al. **Neuroscience** 1987 Jul;22(1):203–13

Is ethylcholine mustard aziridinium ion a specific cholinergic neurotoxin? McGurk SR, et al. **Neuroscience** 1987 Jul; 22(1):215–24

Oxadiazolidinones: irreversible inhibition of cholinesterases and effects on acetylcholine receptors. Bakry NM, et al. **Neurotoxicology** 1986 Fall;7(3):1–10

Cholinergic involvement in the action of formetanate on operant behavior in rats. Moser VC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):119–21

A method using L-hyoscyamine for the study of muscarinic acetylcholine receptor binding in vivo. Palmér L, et al. **Pharmacol Toxicol** 1987 Jan;60(1):54–7

Alcohol, acetaldehyde and salsolinol-induced alterations in function and metabolism of cerebral GABAergic and cholinergic neurons: possible involvements in alcohol dependence and withdrawal. Kuriyama K, et al. **Prog Clin Biol Res** 1987;241:271–82

Differential behavioral effects of tryptophan and 5-hydroxytryptophan in vervet monkeys: influence of catecholaminergic systems. Raleigh MJ. **Psychopharmacology (Berlin)** 1987;93(1):44–50

Effect of repeated administration of manganese on the striatal cholinergic and dopaminergic receptors in the rat. Bhargava HN. **Toxicol Lett** 1987 Jul;37(2):135–41

[Studies of neurotoxin fraction IX from Bungarus fasciatus venom] Kong JQ, et al. **Yao Hsueh Hsueh Pao** 1986 Jun; 21(6):416–21 (Eng. Abstr.) **(Chi)**

[Cholinergic treatment strategies in Alzheimer's disease] Kurz A, et al. **Nervenarzt** 1986 Oct;57(10):558–69 **(Ger)**

[Acute anticholinergic syndrome following intentional ingestion of tropane alkaloids] Eugster C, et al. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):628–31 (Eng. Abstr.) **(Ger)**

[Effect of cholinergic stimulation on spontaneous lymphocyte adhesion in vitro] Kharkevich DD. **Biull Eksp Biol Med** 1987 Jul;104(7):69–71 (Eng. Abstr.) **(Rus)**

[Effect of piracetam on the habituation of the neuronal cholinoreceptor membrane of the edible snail] Pivovarov AS, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):51–3 (Eng. Abstr.) **(Rus)**

[Possible approaches to an analysis of the heterogeneous response of the transcription complex to cholinergic actions] Podosinovikova NP, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):71–3 (Eng. Abstr.) **(Rus)**

[Role of the GABA- and cholinergic systems in the formation of a dissociated state to an antioxidant of the 3-hydroxypyridine class] Voronina TA, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):66–8 (Eng. Abstr.) **(Rus)**

[Average characteristics of chlorine channels in the neuronal membrane activated by various n-cholinomimetics] Ivanova TT, et al. **Dokl Akad Nauk SSSR** 1986; 290(5):1264–7 **(Rus)**

[Role of cholinergic and adrenergic mechanisms in the action of ketamine and thiopental sodium on the structures of the hippocampal-reticular complex and the neocortex] Mamchur VI. **Farmakol Toksikol** 1987 Jan–Feb;50(1):21–4 (Eng. Abstr.) **(Rus)**

[Effect of the stimulation of cholinergic mediation processes on the critical flicker fusion frequency and the parameters of autonomic activation] Ben'kovich BI, et al. **Fiziol Cheloveka** 1986 Nov–Dec;12(6):932–9 **(Rus)**

[Reaction of cholinoreceptors from an isolated molluskan neuron with analogs of acetylcholine and tetramethylammonium] Skliarov AI, et al. **Zh Evol Biokhim Fiziol** 1987 May–Jun;23(3):314–20 (Eng. Abstr.) **(Rus)**

GENETICS

Expression of cDNAs for acetylcholine receptor subunits in the yeast cell plasma membrane. Fujita N, et al. **Biochem Soc Symp** 1986;52:41–56

Transcriptional and translational requirements for developmental alterations in acetylcholine receptor channel function in Xenopus myotomal muscle. Brehm P, et al. **Dev Biol** 1987 Sep;123(1):222–30

A universal oligonucleotide probe for acetylcholine receptor genes. Selection and sequencing of cDNA clones for the mouse muscle beta subunit. Buonanno A, et al. **J Biol Chem** 1986 Dec 15;261(35):16451–8

Quantitation of an alpha subunit splicing intermediate: evidence for transcriptional activation in the control of acetylcholine receptor expression in denervated chick skeletal muscle. Shieh BH, et al. **J Cell Biol** 1987 May; 104(5):1337–41

Location of a delta-subunit region determining ion transport through the acetylcholine receptor channel. Imoto K, et al. **Nature** 1986 Dec 18–31;324(6098):670–4

Cloning, sequencing and expression of complementary DNA encoding the muscarinic acetylcholine receptor. Kubo T, et al. **Nature** 1986 Oct 2–8;323(6087):411–6

Stable expression of transfected Torpedo acetylcholine receptor alpha subunits in mouse fibroblast L cells. Claudio T. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5967–71

DNase I-hypersensitive sites surround the mouse acetylcholine receptor delta-subunit gene. Crowder CM, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8405–9

Expression of the alpha-bungarotoxin binding site of the nicotinic acetylcholine receptor by Escherichia coli transformants. Gershoni JM. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4318–21

Polymorphism of the acetylcholine receptor in the horse. Kay PH, et al. **Vet Rec** 1987 Apr 11;120(15):363–5

IMMUNOLOGY

Plasma exchange in myasthenia gravis: effect on anti-AChR antibodies and other autoantibodies. Thorlacius S, et al. **Acta Neurol Scand** 1986 Dec;74(6):486–90

Heterogeneity in myasthenia gravis: HLA phenotypes and autoantibody responses in ocular and generalized types. Kida K, et al. **Ann Neurol** 1987 Mar;21(3):274–8

Idiotypes and anti-idiotypes in experimental autoimmune myasthenia gravis. Souroujon MC, et al. **Ann NY Acad Sci** 1986;475:81–93

High-dose intravenous immunoglobulin in the management of myasthenia gravis [letter] Bonaventura I, et al. **Arch Intern Med** 1987 Feb;147(2):207, 211

Acetylcholine receptor antibody in patients with myasthenia gravis. Xu XH, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):101–5

Acetylcholine receptor antibody in myasthenia gravis: predominance of IgG subclasses 1 and 3. Rødgaard A, et al. **Clin Exp Immunol** 1987 Jan;67(1):82–8

Auto-anti-idiotypic immunity and acetylcholine receptors. Lefvert AK. **Concepts Immunopathol** 1986;3:285–310 (37 ref.)

Monoclonal antibodies to acetylcholine receptor secreted by human x human hybridomas derived from lymphocytes of a patient with myasthenia gravis. Blair DA, et al. **Immunol Invest** 1986 Jun;15(4):351–64

In vitro anti-acetylcholine receptor antibody synthesis by myasthenia gravis patient lymphocytes: correlations with thymic histology and thymic epithelial–cell interactions. Safar D, et al. **J Clin Immunol** 1987 May;7(3):225–34

Idiotypic network connectivity and a possible cause of myasthenia gravis. Dwyer DS, et al. **J Exp Med** 1986 Oct 1;164(4):1310–8

T cell hybridomas reactive with the acetylcholine receptor and its subunits. Tami JA, et al. **J Immunol** 1987 Feb 1; 138(3):732–8

Increased binding of anti-acetylcholine receptor antibodies to thymic antigen in patients with myasthenia gravis and other autoimmune diseases, as compared to those with myasthenia gravis alone. Morel E, et al. **J Neuroimmunol** 1987 Mar;14(2):221–6

Analysis of contractile properties of muscles from rats immunized with purified acetylcholine receptor. Olsberg CA, et al. **J Neuroimmunol** 1987 Apr;14(3):253–66

Passive transfer of experimental autoimmune myasthenia gravis by monoclonal antibodies to the main immunogenic region of the acetylcholine receptor. Tzartos S, et al. **J Neuroimmunol** 1987 Jun;15(2):185–94

Antibodies not directed against the acetylcholine receptor in myasthenia gravis. An immunoblot study. Zimmermann CW, et al. **J Neuroimmunol** 1987 Oct;16(2):225–36

Clinical correlates of enzyme–immunoassay versus radioimmunoassay measurements of antibody against acetylcholine receptor in patients with myasthenia gravis. Hinman CL, et al. **J Neurol Sci** 1986 Oct;75(3):305–16

Acetylcholine receptor epitopes on epithelial cells of thymoma in myasthenia gravis [letter] Kirchner T, et al. **Lancet** 1987 Jan 24;1(8526):218

Acetylcholine receptor antibodies in the diagnosis of human and experimental myasthenia gravis. Heilbronn E, et al. **Muscle Nerve** 1978 Sep–Oct;1(5):427–31

Antibodies against the acetylcholine receptor in hematologic disorders: implications for the development of myasthenia gravis after bone marrow grafting [letter] Lefvert AK, et al. **N Engl J Med** 1987 Jul 16;317(3):170

Myasthenia gravis: antibodies to extracellularly exposed antigenic determinants of acetylcholine receptor. Oda K, et al. **Neurology** 1986 Oct;36(10):1374–7

Cellular production of antibodies related to the acetylcholine receptor in myasthenia gravis: correlation with clinical stage. Lefvert AK, et al. **Scand J Immunol** 1987 Mar; 25(3):265–73

[The regulation of anti-acetylcholine receptor antibody production by T cells responding in autologous mixed lymphocyte reaction in patients with myasthenia gravis] Chiu HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr; 86(4):422–6 (Eng. Abstr.) **(Chi)**

[Acetylcholine receptor antibodies in the diagnosis of myasthenia gravis. Study of 406 confirmed cases] Toyka KV, et al. **Dtsch Med Wochenschr** 1986 Sep 19; 111(38):1435–9 (Eng. Abstr.) **(Ger)**

[Value of acetylcholine receptor antibodies in myasthenia gravis] Zeitlhofer J, et al. **Wien Med Wochenschr** 1986 Jul 15;136(13):329–32 (Eng. Abstr.) **(Ger)**

[Myasthenia gravis and autoimmunity] Ergüven S. **Mikrobiyol Bul** 1986 Apr;20(2):105–8 (Eng. Abstr.) **(Tur)**

ISOLATION & PURIFICATION

Ca2+–dependent ryanodine binding site: soluble preparation from rabbit cardiac sarcoplasmic reticulum. Seifert J, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):399–405

Purification of the ryanodine receptor and identity with feet structures of junctional terminal cisternae of sarcoplasmic reticulum from fast skeletal muscle. Inui M, et al. **J Biol Chem** 1987 Feb 5;262(4):1740–7

300-kD subsynaptic protein copurifies with acetylcholine receptor–rich membranes and is concentrated at neuromuscular synapses. Woodruff ML, et al. **J Cell Biol** 1987 Apr;104(4):939–46

Acetylcholine–receptor–like protein from human thymoma associated with myasthenia gravis. Kawanami S, et al. **J Neurol** 1987 May;234(4):207–10

Purification of acetylcholine receptor–like protein from fetal calf thymus. Kawanami S, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):97–104

Profile of the continuous antigenic regions on the extracellular part of the alpha chain of an acetylcholine receptor. Mulac-Jeričević B, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3633–7

METABOLISM

Spectrophotometric detection of monovalent cation flux in cells: fluorescence microscope measurement of acetylcholine receptor–mediated ion flux in PC-12 cells. Karpen JW, et al. **Anal Biochem** 1986 Sep;157(2):353–9

Spatial relations of the neurotoxin binding sites on the sodium channel. Angelides K, et al. **Ann NY Acad Sci** 1986; 479:221–37

General anesthetic and specific effects of ethanol on acetylcholine receptors. Miller KW, et al. **Ann NY Acad Sci** 1987;492:71–87

Ascorbate-like factor from embryonic brain. Role in collagen formation, basement membrane deposition, and acetylcholine receptor aggregation by muscle cells. Vogel Z, et al. **Ann NY Acad Sci** 1987;498:13–27 (37 ref.)

Two potent central convulsant peptides, a bee venom toxin, the MCD peptide, and a snake venom toxin, dendrotoxin I, known to block K+ channels, have interacting receptor sites. Bidard JN, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):383–9

Acetylcholine receptor dimers are stabilized by extracellular disulfide bonding. Dunn SM, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):830–7

Evidence for a junctional feet–ryanodine receptor complex from sarcoplasmic reticulum. Lai FA, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):704–9

Localization of azidophencyclidine–binding site on the nicotinic acetylcholine receptor alpha–subunit. Moskovitz R, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):810–6

Involvement of neuronal acceptors for dendrotoxin in its convulsive action in rat brain. Black AR, et al. **Biochem J** 1986 Jul 15;237(2):397–404

Characterization of tetanus toxin binding to rat brain membranes. Evidence for a high–affinity proteinase–sensitive receptor. Pierce EJ, et al. **Biochem J** 1986 Jun 15;236(3):845–52

Use of antibodies specific to defined regions of scorpion alpha–toxin to study its interaction with its receptor site on the sodium channel. el Ayeb M, et al. **Biochemistry** 1986 Oct 21;25(21):6671–8

Immunochemistry of sea anemone toxins: structure–antigenicity relationships and toxin–receptor interactions probed by antibodies specific for one antigenic region. el Ayeb M, et al. **Biochemistry** 1986 Nov 4; 25(22):6755–61

Diphtheria toxin can simultaneously bind to its receptor and adenylyl–(3',5')–uridine 3'–monophosphate. Barbieri JT, et al. **Biochemistry** 1986 Oct 21;25(21):6608–11

Structure of the high–affinity binding site for noncompetitive blockers of the acetylcholine receptor: [3H]chlorpromazine labels homologous residues in the beta and delta chains. Giraudat J, et al. **Biochemistry** 1987 May 5;26(9):2410–8

Characterization of the transient agonist–triggered state of the acetylcholine receptor rapidly labeled by the noncompetitive blocker [3H]chlorpromazine: additional evidence for the open channel conformation. Heidmann T, et al. **Biochemistry** 1986 Oct 7;25(20):6109–13

Affinity–purified tetanus neurotoxin interaction with synaptic membranes: properties of a protease–sensitive receptor component. Lazarovici P, et al. **Biochemistry** 1986 Nov 4;25(22):7047–54

Target size of the ryanodine receptor from junctional terminal cisternae of sarcoplasmic reticulum. McGrew SG, et al. **Biochemistry** 1987 Jun 2;26(11):3183–7

Anemone toxin II receptor site of the lobster nerve sodium channel. Studies in membrane vesicles and in proteoliposomes. Correa AM, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):406–22

Two pools of cholesterol in acetylcholine receptor–rich membranes from Torpedo. Leibel WS, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):249–60

Effects of denervation and direct electrical stimulation upon acetylcholine receptors and acetylcholinesterase accumulation in developing latissimus dorsi muscle of the chick. Khaskiye A. **Biol Cell** 1986;58(3):245–50

Statistical methods for model discrimination. Applications to gating kinetics and permeation of the acetylcholine receptor channel. Horn R. **Biophys J** 1987 Feb;51(2):255–63

Alpha–bungarotoxin binding in relation to functional organization of the rat suprachiasmatic nucleus. Fuchs JL, et al. **Brain Res** 1987 Mar 24;407(1):9–16

Binding of rabies virus to purified Torpedo acetylcholine receptor. Lentz TL, et al. **Brain Res** 1986 Dec;387(3):211–9

Early appearance of cells bearing Na+ channels in developing mouse brain. A quantitative analysis using light microscopic autoradiography. Martin–Moutot N, et al. **Brain Res** 1987 Mar;429(1):43–51

Cholinergic muscarinic binding by rat lymphocytes: effects of antagonist treatment, strain and aging. Shenkman L, et al. **Brain Res** 1986 Aug 20;380(2):303–8

Cholinergic receptors in cognitive disorders. Perry EK, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):521–7

Coated and smooth vesicles participate in acetylcholine receptor transport. Bursztajn S, et al. **Cell Tissue Res** 1987 Jun;248(3):535–40

Reconstitution of the purified alpha–latrotoxin receptor in liposomes and planar lipid membranes. Clues to the mechanism of toxin action. Scheer H, et al. **EMBO J** 1986 Oct;5(10):2643–8

Calmodulin and acetylcholine receptor clustering in embryonic chick myotubes. Tai HH, et al. **Eur J Cell Biol** 1986 Aug;41(2):246–51

Expression of muscarinic cholinergic receptors during T cell maturation in the thymus. Maśliński W, et al. **Eur J Immunol** 1987 Jul;17(7):1059–63

Comparison of muscarinic acetylcholine binding in the urinary bladder and submandibular gland of the rabbit. Batra S. **Eur J Pharmacol** 1987 Jun 12;138(1):83–8

Ciguatoxin and brevetoxins share a common receptor site on the neuronal voltage–dependent Na+ channel. Lombet A, et al. **FEBS Lett** 1987 Jul 27;219(2):355–9

Diphtheria toxin and its mutant crm 197 differ in their interaction with lipids. Papini E, et al. **FEBS Lett** 1987 May 4;215(1):73–8

Affinity labelling of neuronal acetylcholine receptors localizes acetylcholine–binding sites to their beta–subunits. Whiting P, et al. **FEBS Lett** 1987 Mar 9;213(1):55–60

Analysis of receptor reserves in canine tracheal smooth muscle. Gunst SJ, et al. **J Appl Physiol** 1987 Apr; 62(4):1755–8

Acetylcholine receptor–controlled ion translocation caused by phenyltrimethylammonium and nereistoxin: simple estimation of equilibrium constants of the minimal model. Aoshima H, et al. **J Biochem (Tokyo)** 1987 Feb; 101(2):347–55

Identification and characterization of the high affinity [3H]ryanodine receptor of the junctional sarcoplasmic reticulum Ca2+ release channel. Campbell KP, et al. **J Biol Chem** 1987 May 15;262(14):6460–3

Interaction of noncompetitive inhibitors with the acetylcholine receptor. The site specificity and spectroscopic properties of ethidium binding. Herz JM, et al. **J Biol Chem** 1987 May 25;262(15):7238–47

Comparison of the postsynaptic 43–kDa protein from muscle cells that differ in acetylcholine receptor clustering activity. LaRochelle WJ, et al. **J Biol Chem** 1987 Jun 15; 262(17):8190–5

Phosphorylation of the acetylcholine receptor by protein kinase C and identification of the phosphorylation site within the receptor delta subunit. Safran A, et al. **J Biol Chem** 1987 Aug 5;262(22):10506–10

The relationship of the postsynaptic 43K protein to acetylcholine receptors in receptor clusters isolated from cultured rat myotubes. Bloch RJ, et al. **J Cell Biol** 1987 Mar;104(3):645–54

The distribution of acetylcholine receptor clusters and sites of transmitter release along chick ciliary ganglion neurite–myotube contacts in culture. Role LW, et al. **J Cell Biol** 1987 Feb;104(2):371–9

Monovalent and divalent cation permeation in acetylcholine receptor channels. Ion transport related to structure. Dani JA, et al. **J Gen Physiol** 1987 Jun;89(6):959–83

Single channel properties of newly synthesized acetylcholine receptors following denervation of mammalian skeletal muscle. Henderson LP, et al. **J Gen Physiol** 1987 Jun; 89(6):999–1014

Acetylcholine receptor kinetics: chemical kinetics. Udgaonkar JB, et al. **J Membr Biol** 1986;93(2):93–109 (142 ref.)

Location of terbium binding sites on acetylcholine receptor–enriched membranes. Fairclough RH, et al. **J Mol Biol** 1986 Jun 20;189(4):673–80

Specific inhibition of dopamine D–1–mediated cyclic AMP formation by dopamine D–2, muscarinic cholinergic, and opiate receptor stimulation in rat striatal slices. Kelly E, et al. **J Neurochem** 1986 Nov;47(5):1512–6

Immunoprecipitation of an affinity–alkylated fragment of the muscarinic acetylcholine receptor with an anti–ligand monoclonal antibody. Norman MW, et al. **J Neurochem** 1987 Sep;49(3):939–43

Acetylcholine receptor binding properties at the rat neuromuscular junction during aging. Smith DO, et al. **J Neurochem** 1987 Jun;48(6):1834–41

Elimination of distributed acetylcholine receptor clusters from developing fast–twitch fibres in an avian muscle. Phillips WD, et al. **J Neurocytol** 1987 Feb;16(1):1–10

Primary cultures of human myasthenia gravis thymus and normal thymus. Studies of cell morphology, cell proliferative pattern and localization of alpha–bungarotoxin binding sites on cultured thymic cells. Matsumoto Y, et al. **J Neurol Sci** 1986 Sep;75(2):121–33

Affinity labeling of neuronal acetylcholine receptor subunits with an alpha–neurotoxin that blocks receptor function. Halvorsen SW, et al. **J Neurosci** 1987 Aug;7(8):2547–55

An acetylcholinesterase–mediated density shift technique demonstrates that coated vesicles from chick myotubes may contain both newly synthesized acetylcholinesterase and acetylcholine receptors. Porter–Jordan K, et al. **J Neurosci** 1986 Nov;6(11):3112–9

Neuronal acetylcholine receptors: fate of surface and internal pools in cell culture. Stollberg J, et al. **J Neurosci** 1987 Jun;7(6):1809–15

Mechanisms of postsynaptic plasticity: remodeling of the junctional acetylcholine receptor cluster induced by motor nerve terminal outgrowth. Yee WC, et al. **J Neurosci** 1987 Jul;7(7):2019–24

Decreased acetylcholine receptor content in denervated skeletal muscles infused with nerve extract. Sayers ST, et al. **J Neurosci Res** 1986;16(3):517–25

Estrogen modulation of uterine adrenergic–cholinergic interaction: effects on vasoactivity and adrenergic receptors in the guinea pig. Garris DR, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):270–8

The Torpedo electrocyte: a model system for the study of receptor–cytoskeleton interactions. Kordeli E, et al. **J Recept Res** 1987;7(1–4):71–88

Sensitive bioluminescent assay for alpha-bungarotoxin binding sites. Schaeffer JM. **Methods Enzymol** 1986; 133:43-51

The levamisole receptor, a cholinergic receptor of the nematode Caenorhabditis elegans. Lewis JA, et al. **Mol Pharmacol** 1987 Feb;31(2):185-93

[3H]acetylcholine and [3H](-)nicotine label the same recognition site in rat brain. Martino-Barrows AM, et al. **Mol Pharmacol** 1987 Feb;31(2):169-74

Distinctions in acetylcholine receptor activity [news] Hulme E, et al. **Nature** 1986 Oct 2-8;323(6087):396-7

A single GTP-binding protein regulates K+-channels coupled with dopamine, histamine and acetylcholine receptors. Sasaki K, et al. **Nature** 1987 Jan 15-21; 325(6101):259-62

Calcitonin gene-related peptide, a peptide present in spinal cord motoneurons, increases the number of acetylcholine receptors in primary cultures of chick embryo myotubes. Fontaine B, et al. **Neurosci Lett** 1986 Oct 30;71(1):59-65

Effects of aging and cholinergic deafferentation on putative muscarinic cholinergic receptor subtypes in rat cerebral cortex. Norman AB, et al. **Neurosci Lett** 1986 Oct 8; 70(2):289-94

Quantitative autoradiography of brain binding sites for the vesicular acetylcholine transport blocker 2-(4-phenylpiperidino)cyclohexanol (AH5183). Marien MR, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):876-80

Analysis of ligand binding to the synthetic dodecapeptide 185-196 of the acetylcholine receptor alpha subunit. Neumann D, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):9250-3

Interaction with chick myotube cholinergic receptors of an alpha-neurotoxin isolated from venom of the banded krait (Bungarus fasciatus). Jiang MS, et al. **Toxicon** 1986; 24(7):713-9

[Cholinergic mechanisms in the brain and their impairment in Alzheimer's disease] Tuček S. **Cesk Psychiatr** 1987 Feb; 83(1):36-45 **(Cze)**

[Alterations in cholinergic and adrenergic receptors in senile dementia of the Alzheimer's-type] Shimohama S, et al. **Rinsho Shinkeigaku** 1986 Dec;26(12):1294-7 (Eng. Abstr.) **(Jpn)**

[The role of steric characteristics of the gangliolytic molecule in its interaction with cholinoreceptor] Gmiro VE, et al. **Dokl Akad Nauk SSSR** 1987;292(3):746-50 **(Rus)**

[Effect of extracellular pH on the elementary characteristics of chloride channels in cholinergic membranes] Ivanova TT, et al. **Dokl Akad Nauk SSSR** 1986;291(3):712-5 **(Rus)**

[Cholinergic variant of noninfectious allergic bronchial asthma] Ado AD, et al. **Klin Med (Mosk)** 1986 Aug; 64(8):47-51 (Eng. Abstr.) **(Rus)**

[Interaction between receptors and biologically active substances in tumor cells] Solntseva TI, et al. **Vestn Akad Med Nauk SSSR** 1986;(8):23-31 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cholinergic mechanisms in affective disorders. Future directions for investigation. Dilsaver SC. **Acta Psychiatr Scand** 1986 Oct;74(4):312-34

Disturbance of mice tracheal beta-adrenoceptor and cholinergic receptor function by Bordetella pertussis and its cell wall components. Veenendaal GH, et al. **Agents Actions** 1986 Dec;19(5-6):366-7

Cholinergic vasodilator mechanism in human fingers. Coffman JD, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H594-7

Cholinergic regulation of Na absorption by turtle colon: role of basolateral K conductance. Venglarik CJ, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):C563-70

Hippocampal muscarinic cholinergic mediation of spontaneous alternation and fear in the developing rat. Hess C, et al. **Behav Brain Res** 1987 Jun;24(3):203-14

Neurotransmitters and memory: role of cholinergic, serotonergic, and noradrenergic systems. Wenk G, et al. **Behav Neurosci** 1987 Jun;101(3):325-32

Kinetics of activation of acetylcholine receptors in a mouse muscle cell line under a range of acetylcholine concentrations. Hestrin S, et al. **Biophys J** 1987 Mar; 51(3):449-55

Increased gut cholinergic activity and antagonism of 5-hydroxytryptamine M-receptors by BRL 24924: potential clinical importance of BRL 24924. Sanger GJ. **Br J Pharmacol** 1987 May;91(1):77-87

Involvement of a GTP-binding protein in mediation of serotonin and acetylcholine responses in Xenopus oocytes injected with rat brain messenger RNA. Dascal N, et al. **Brain Res** 1986 Dec;387(3):201-9

Modulation of an acetylcholine receptor responsiveness by filipin and chlorpromazine studied in neurons of Aplysia californica. Fossier P, et al. **Cell Mol Neurobiol** 1987 Mar; 7(1):49-59

Development of the electromotor system of Torpedo marmorata: distribution of extracellular matrix and cytoskeletal components during acetylcholine receptor focalization. Richardson GP, et al. **Cell Tissue Res** 1987 Mar;247(3):651-65

Acetylcholine receptor channels are present in undifferentiated satellite cells but not in embryonic myoblasts in culture. Cossu G, et al. **Dev Biol** 1987 Sep; 123(1):43-50

Cholinergic receptors, ion channels, neurotransmitter synthesis, and neurite outgrowth are independently regulated during the in vitro differentiation of a human neuroblastoma cell line. Gotti C, et al. **Differentiation** 1987; 34(2):144-55

Single acetylcholine-activated channels in cultured rhabdomyoblasts. Grassi F, et al. **Exp Cell Res** 1987 Aug; 171(2):498-502

Cholinergic receptors regulate a voltage-insensitive but Na+-dependent calcium influx pathway in salivary acinar cells. Morris AP, et al. **FEBS Lett** 1987 Jan 26;211(2):195-9

Localization of the functional sites on the alpha chain of acetylcholine receptor. Atassi MZ, et al. **Fed Proc** 1987 Jun;46(8):2538-47 (79 ref.)

Vasoactive intestinal polypeptide actions on the guinea pig intestinal mucosa during neural stimulation. Cooke HJ, et al. **Gastroenterology** 1987 Feb;92(2):361-70

Disputable issues in cholinergic regulation of the salivary parotid gland functioning and in its evolution. Levin SL. **Int J Clin Pharmacol Res** 1986;6(4):339-41

Nicotinic acetylcholine receptors on a cholinergic nerve terminal in the cockroach, Periplaneta americana. Blagburn JM, et al. **J Comp Physiol [A]** 1987 Aug;161(2):215-25

Cholinergic receptor-regulation of potassium channels and potassium transport in human submandibular acinar cells. Morris AP, et al. **J Dent Res** 1987 Feb;66(2):541-6

Single-channel current recordings of acetylcholine receptors in electroplax isolated from the Electrophorus electricus Main and Sachs' electric organs. Pasquale EB, et al. **J Membr Biol** 1986;93(2):195-204

Cholinergic receptors mediating secretion in guinea pig colon. Kuwahara A, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):600-6

Heterogeneous kinetic properties of acetylcholine receptor channels in Xenopus myocytes. Auerbach A, et al. **J Physiol (Lond)** 1986 Sep;378:119-40

Activation of acetylcholine receptor channels by covalently bound agonists in cultured rat myoballs. Chabala LD, et al. **J Physiol (Lond)** 1986 Oct;379:83-108

Factors affecting the expression of acetylcholine receptors on rat sensory neurones in culture. Cooper E, et al. **J Physiol (Lond)** 1986 Aug;377:409-20

Apparent acetylcholine receptor channel conversion at individual rat soleus end-plates in vitro. Schuetze SM, et al. **J Physiol (Lond)** 1986 Jun;375:153-67

Calmodulin regulation of the cholinergic receptor in the rat heart during ontogeny and senescence. Ho AK, et al. **Mech Ageing Dev** 1986 Oct;36(2):143-54

Cholinergic but not monoaminergic denervation increases nerve growth factor content in the adult rat hippocampus and cerebral cortex. Weskamp G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):346-51

Cholinergic involvement in the growth hormone releasing hormone-induced growth hormone release: studies in normal and acromegalic subjects. Massara F, et al. **Neuroendocrinology** 1986;43(6):670-5

Exposure of receptor sites on rat muscle membranes by a neurally released factor. Adham N, et al. **Neurosci Lett** 1987 Jun 26;77(3):283-6

Receptor desensitization and the transient nature of the secretory response of adrenal chromaffin cells. Ohara-Imaizumi M, et al. **Neurosci Lett** 1986 Oct 8; 70(2):250-4

Patch clamp measurements on Xenopus laevis oocytes: currents through endogenous channels and implanted acetylcholine receptor and sodium channels. Methfessel C, et al. **Pflugers Arch** 1986 Dec;407(6):577-88

Further kinetic analysis of the chemically modified acetylcholine receptor. Steinacker A, et al. **Pflugers Arch** 1987 Aug;409(6):555-60

Brain cholinergic involvement during the rapid development of tolerance to morphine. Wahba ZZ, et al. **Pharmacology** 1987;34(2-3):66-73

Acetylcholine receptor channels on adult mouse skeletal muscle are functionally identical in synaptic and nonsynaptic membrane. Brehm P, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2550-4

Single acetylcholine receptor channel currents recorded at high hydrostatic pressures. Heinemann SH, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3229-33

Site of anticonvulsant action on sodium channels: autoradiographic and electrophysiological studies in rat brain. Worley PF, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3051-5

A component in mammalian muscle synaptic basal lamina induces clustering of acetylcholine receptors. Barald KF, et al. **Prog Brain Res** 1987;71:397-408

The effects of aging on the responsiveness of the cholinergic receptor of the longitudinal muscle of guinea-pig isolated ileum. Tsai CS, et al. **Res Commun Chem Pathol Pharmacol** 1987 Feb;55(2):275-8

Vasoactive intestinal peptide as a possible transmitter of nonadrenergic, noncholinergic relaxation of pulmonary artery. Kubota E, et al. **Trans Assoc Am Physicians** 1985; 98:233-42

[A model for long-term changes in synaptic efficacy based on the interaction of the acetylcholine receptor with the 43,000 dalton sub-synaptic protein] Yeramian E, et al. **C R Acad Sci [III]** 1986;302(17):609-16 (Eng. Abstr.) **(Fre)**

[Structure and function of the nicotinic acetylcholine receptor] Mishina M. **Seikagaku** 1986 Oct;58(10):1275-91 (73 ref.) **(Jpn)**

[Neurogenic cholinergic dilation observed in isolated vessels of the skeletal muscles of cats (the caudal femoral artery)] Medvedeva NA, et al. **Biull Eksp Biol Med** 1987 May; 103(5):517-20 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Disorders affecting the acetylcholine receptor: myasthenia gravis and congenital myasthenia. Vincent A. **J Recept Res** 1987;7(1-4):599-616

RECEPTORS, COMPLEMENT

The superfamily of C3b/C4b-binding proteins. Kristensen T, et al. **Fed Proc** 1987 May 15;46(7):2463-9 (67 ref.)

15-HETE "modulates" expression of C3b receptor (CR1) antigen on peripheral blood B-lymphocytes. Cook J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2-3):201-6

ANALYSIS

Studies on human blood lymphocytes with iC3b (type 3) complement receptors. II. Characterization of subsets which regulate pokeweed mitogen-induced lymphocyte proliferation and immunoglobulin synthesis. Abo W, et al. **Clin Exp Immunol** 1987 Mar;67(3):544-55

C3b receptor (CR1) expression on the polymorphonuclear leukocytes from patients with systemic lupus erythematosus. Fyfe A, et al. **Clin Exp Immunol** 1987 Feb; 67(2):300-8

Studies on human blood lymphocytes with iC3b (type 3) complement receptors: III. Abnormalities in patients with active systemic lupus erythematosus. Gray JD, et al. **Clin Exp Immunol** 1987 Mar;67(3):556-64

Demonstration of C3b receptor-like activity and of decay-accelerating factor-like activity on rabbit erythrocytes. Horstmann RD, et al. **Eur J Immunol** 1986 Sep;16(9):1069-73

Ligand binding by the p150,95 antigen of U937 monocytic cells: properties in common with complement receptor type 3 (CR3). Malhotra V, et al. **Eur J Immunol** 1986 Sep; 16(9):1117-23

Co-expression of chemotactic ligand receptors on human peripheral blood monocytes. Ohura K, et al. **J Immunol** 1987 Apr 15;138(8):2633-9

Enumeration of CR1 complement receptors on erythrocytes using a new method for detecting low density cell surface antigens by flow cytometry. Cohen JH, et al. **J Immunol Methods** 1987 May 4;99(1):53-8

Demonstration of human erythrocyte C3b receptors (CR1) by haemadsorption and indirect haemagglutination techniques. Matre R, et al. **J Immunol Methods** 1987 Jan 26;96(1):139-44

Molecular calibration in flow cytometry with sub-attogram detection limit. Watson JV, et al. **J Immunol Methods** 1986 Nov 6;93(2):171-5

Quantification of the complement receptor function on polymorphonuclear leukocytes: its significance in patients with systemic lupus erythematosus. Yoshida K, et al. **J Rheumatol** 1987 Jun;14(3):490-6

Demonstration and characterization of C3 receptors on rat glomerular epithelial cells. Kasinath BS, et al. **Kidney Int** 1986 Dec;30(6):852-61

Structure and functions of gp 140, the C3d/EBV receptor (CR2) of human B lymphocytes. Frade R. **Mol Immunol** 1986 Nov;23(11):1249-53

Fc and C3 receptor expression on human alveolar macrophages in sarcoidosis. Rottoli L, et al. **Sarcoidosis** 1984 Sep;1(1):55-9

Expression of CR1 and CR2 complement receptors following Epstein-Barr virus infection of Burkitt's lymphoma cell lines. Cohen JH, et al. **Scand J Immunol** 1987 Jun; 25(6):587-98

Erythrocyte complement C3b receptor (CR1) levels and immune complex-induced manifestations in patients with primary Sjögren's syndrome. Thomsen BS, et al. **Scand J Rheumatol [Suppl]** 1986;61:127-30

[Immune complex formation and complement changes in osteosarcoma patients treated with high-dose methotrexate] Körholz D, et al. **Klin Padiatr** 1987 Jan-Feb; 199(1):22-6 (Eng. Abstr.) **(Ger)**

[Immunohistochemical study of complements and complement receptor (CR1) in chronic sinusitis] Miyaguchi M. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):14-20 (Eng. Abstr.) **(Jpn)**

[C 3 b receptor (CR 1) on red blood cell and glomerulus in various glomerular diseases] Ikezawa T, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):13-9 (Eng. Abstr.) **(Jpn)**

[The occurrence of defective C3b receptors (CR1) on erythrocytes in connective tissue diseases--their relation to Sjögren's syndrome and SLE] Inokuma S, et al. **Ryumachi** 1986 Jun;26(3):153-8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Biochemical basis of HLA-DR and CR3 modulation on human peripheral blood monocytes by lipopolysaccharide. McLeish KR, et al. **Cell Immunol** 1987 Aug;108(1):242-8

Altered erythrocyte C3b receptor expression, immune complexes, and complement activation in homosexual men

in varying risk groups for acquired immune deficiency syndrome. Tausk FA, et al. **J Clin Invest** 1986 Oct; 78(4):977–82

BLOOD

Human blood platelets possess specific binding sites for C1q. Peerschke EI, et al. **J Immunol** 1987 Mar 1;138(5):1537–41

DEFICIENCY

Mononuclear phagocyte system complement receptor dysfunction in rheumatoid arthritis. Kimberly RP, et al. **J Immunol** 1987 Jun 15;138(12):4165–8

Deficiency of the C3b/C4b receptor (CR1) of erythrocytes in systemic lupus erythematosus: analysis of the stability of the defect and of a restriction fragment length polymorphism of the CR1 gene. Wilson JG, et al. **J Immunol** 1987 Apr 15;138(8):2708–10

DRUG EFFECTS

Effect of neuraminidase on Fc and C3b receptors on rabbit corneal cells infected with herpes simplex virus. Hatano H, et al. **Curr Eye Res** 1987 Jan;6(1):53–7

Effect of rat surfactant lipids on complement and Fc receptors of macrophages. Coonrod JD, et al. **Infect Immun** 1986 Nov;54(2):371–8

15-HETE "modulates" expression of C3b receptor (CR1) antigen on peripheral blood B-lymphocytes. Cook J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug; 23(2–3):201–6

GENETICS

The primary structure of the beta-subunit of the cell surface adhesion glycoproteins LFA-1, CR3 and p150,95 and its relationship to the fibronectin receptor. Law SK, et al. **EMBO J** 1987 Apr;6(4):915–9

Human C3b/C4b receptor (CR1). Demonstration of long homologous repeating domains that are composed of the short consensus repeats characteristics of C3/C4 binding proteins. Klickstein LB, et al. **J Exp Med** 1987 Apr 1; 165(4):1095–112

Quantitative variations of the C3b/C4b receptor (CR1) in human erythrocytes are controlled by genes within the regulator of complement activation (RCA) gene cluster. Rodriguez de Cordoba S, et al. **J Exp Med** 1986 Oct 1; 164(4):1274–83

Analysis of multiple restriction fragment length polymorphisms of the gene for the human complement receptor type I. Duplication of genomic sequences occurs in association with a high molecular mass receptor allotype. Wong WW, et al. **J Exp Med** 1986 Nov 1;164(5):1531–46

Expansion of the complement receptor gene family. Identification in the mouse of two new genes related to the CR1 and CR2 gene family. Aegerter-Shaw M, et al. **J Immunol** 1987 May 15;138(10):3488–94

A dysfunctional Mo1 glycoprotein is present on a subline of the KG1 acute myelogenous leukemia cell line. Dana N, et al. **J Immunol** 1987 May 15;138(10):3549–54

A complement receptor locus: genes encoding C3b/C4b receptor and C3d/Epstein-Barr virus receptor map to 1q32. Weis JH, et al. **J Immunol** 1987 Jan 1;138(1):312–5

Human complement C3b/C4b receptor (CR1) mRNA polymorphism that correlates with the CR1 allelic molecular weight polymorphism. Holers VM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2459–63

Guinea pigs deficient in C2, C4, C3 or the C3a receptor. Bitter-Suermann D, et al. **Prog Allergy** 1986;39:134–58

Receptor deficiencies. Complement receptor type three. Ross GD. **Prog Allergy** 1986;39:352–60

IMMUNOLOGY

Release of immune complexes bound to CR1 on erythrocytes; suramin inhibits factor I in the presence of EDTA. Thomsen BS, et al. **Allergy** 1986 Sep;41(7):487–92

Erythrocyte CR1 determination using monoclonal antibody in a microtiter plate ELISA; receptors are not masked by immune complexes. Thomsen BS, et al. **Allergy** 1986 Sep; 41(7):479–86

Influence of minor thermal injury on expression of complement receptor CR3 on human neutrophils. Nelson RD, et al. **Am J Pathol** 1986 Dec;125(3):563–70

Macrophage migration and maturation within rheumatoid nodules. Palmer DG, et al. **Arthritis Rheum** 1987 Jul; 30(7):728–36

Complement receptors and related complement control proteins. Sim RB, et al. **Biochem Soc Symp** 1986;51:83–96 (104 ref.)

Kupffer cell complement receptor clearance function and host defense. Loegering DJ. **Circ Shock** 1986;20(4):321–33 (49 ref.)

Defective complement receptors (CR1 and CR3) on erythrocytes and leukocytes of factor I (C3b-inactivator) deficient patients. Porteu F, et al. **Clin Exp Immunol** 1986 Nov;66(2):463–71

Role of complement receptor type three and serum opsonins in the neutrophil response to yeast. Cain JA, et al. **Complement** 1987;4(2):75–86

Specificity of membrane complement receptor type three (CR3) for beta-glucans. Ross GD, et al. **Complement** 1987; 4(2):61–74

Normal distribution of complement C3b receptor (CR1) numbers on erythrocytes in blood donors: low levels are associated with HLA-B27. Thomsen BS, et al. **Complement** 1986;3(2):79–87

Autoantibodies against gp140, the Epstein-Barr virus and C3d receptor in sera from rheumatoid arthritis patients. Barel M, et al. **Eur J Immunol** 1986 Nov;16(11):1357–61

Characterization of the human erythrocyte complement receptor CR1 (C3b receptor) by epitope mapping. Prohaska R, et al. **Immunobiology** 1987 Jan;174(1):93–106

Mab. 198: a monoclonal antibody recognizing the complement type 3 receptor (CR3) in the rabbit. Smet EG, et al. **Immunology** 1986 Nov;59(3):419–25

Interaction of complement-solubilized immune complexes (IC) with CR1 receptors on human erythrocytes. Polysulfated compounds inhibit IC binding and induce IC-release from CR1. Jepsen HH, et al. **Int J Immunopharmacol** 1987;9(5):587–95

Demonstration of defective C3-receptor-mediated clearance by the reticuloendothelial system in patients with acquired immunodeficiency syndrome. Bender BS, et al. **J Clin Invest** 1987 Mar;79(3):715–20

Functional and antigenic properties of complement receptor type 2, CR2. Mitomo K, et al. **J Exp Med** 1987 May 1; 165(5):1424–9

Two functional domains in the phagocyte membrane glycoprotein Mo1 identified with monoclonal antibodies. Dana N, et al. **J Immunol** 1986 Nov 15;137(10):3259–63

Expression of specific binding sites on Candida with functional and antigenic characteristics of human complement receptors. Edwards JE Jr, et al. **J Immunol** 1986 Dec 1;137(11):3577–83

Monoclonal antibodies to the human C3b/C4b receptor (CR1) enhance specific B cell differentiation. Weiss L, et al. **J Immunol** 1987 May 1;138(9):2988–93

iC3b receptor and antibody formation. Wedgwood RJ. **Mol Immunol** 1986 Nov;23(11):1255–6

A monocyte function test (complement receptor enhancement) to assess the extent of bronchial carcinoma. Carroll M, et al. **Thorax** 1987 Jan;42(1):53–8

[Immune adherence (C3b) receptor activity of erythrocytes in patients with esophageal cancer and cancer of the gastric cardia] Cai FQ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):253–5 (Eng. Abstr.) **(Chi)**

[Detection of immune complexes using C3 receptors on human erythrocytes] Aikawa T, et al. **Rinsho Byori** 1986 Oct;Spec No 69:77–84 **(Jpn)**

[Complement (C3) receptor dependent monocyte recognition in uncompensated diabetes mellitus types I and II] Gómez Rodríguez F, et al. **Rev Clin Esp** 1986 Sep;179(4):167–71 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Cellular receptors to the anaphylatoxins C3a and C5a. Huey R, et al. **Biochem Soc Symp** 1986;51:69–81

Identification of a spontaneously shed fragment of B cell complement receptor type two (CR2) containing the C3d-binding site. Myones BL, et al. **Complement** 1987; 4(2):87–98

Solubilization of active complement receptor type 1 (CR1) from human erythrocyte stroma with trypsin and its purification. Sugita Y, et al. **J Biochem (Tokyo)** 1986 Nov; 100(5):1193–200

Characterization of the C3 receptor induced by herpes simplex virus type 1 infection of human epidermal, endothelial, and A431 cells. Kubota Y, et al. **J Immunol** 1987 Feb 15;138(4):1137–42

METABOLISM

The effects of substance P on human eosinophil receptors and functions. De Simone C, et al. **Ann NY Acad Sci** 1987; 496:226–32

Epstein-Barr virus gp350/220 binding to the B lymphocyte C3d receptor mediates adsorption, capping, and endocytosis. Tanner J, et al. **Cell** 1987 Jul 17;50(2):203–13

Simultaneous expression of multiple immune complex receptors on murine thymocytes and spleen cells. Walia AS, et al. **Clin Immunol Immunopathol** 1986 Dec; 41(3):368–78

Structural and functional studies on the human C3b/C4b receptor (CR1) purified by affinity chromatography using a monoclonal antibody. Holers VM, et al. **Complement** 1986;3(2):63–78

Decreased expression of C3b receptor (CR1) on erythrocytes of patients with systemic lupus erythematosus contrasts with its normal expression in other systemic diseases and does not correlate with the occurrence or severity of SLE nephritis. Jouvin MH, et al. **Complement** 1986;3(2):88–96

Search for Fc and C3b receptors on black-eyed RCS rat RPE cells. Eckhert CD, et al. **Curr Eye Res** 1986 Dec; 5(12):911–7

Activation of B lymphocytes by Epstein-Barr virus/CR2 receptor interaction. Masucci MG, et al. **Eur J Immunol** 1987 Jun;17(6):815–20

Modulation of neutrophil expression of C3b receptors (CR1) by soluble monomeric human C3b. Porteu F, et al. **Eur J Immunol** 1987 May;17(5):629–35

Human diseases associated with C3 receptor deficiencies. Kazatchkine MD, et al. **Immunol Lett** 1987 Feb;14(3):191–5 (40 ref.)

Expression of glomerular C3b receptor activity in normal human kidneys. Matre R, et al. **Immunol Lett** 1987 Apr; 14(4):321–3

Structure and specificity of complement receptors. Sim RB, et al. **Immunol Lett** 1987 Feb;14(3):183–90 (71 ref.)

Characteristics of iC3b binding to human polymorphonuclear leucocytes. Gordon DL, et al. **Immunology** 1987 Apr; 60(4):553–8

Increased infectivity of stationary-phase promastigotes of Leishmania donovani: correlation with enhanced C3 binding capacity and CR3-mediated attachment to host macrophages. Wozencraft AO, et al. **Immunology** 1987 Apr; 60(4):559–63

Membrane-bound C4b interacts endogenously with complement receptor CR1 of human red cells. Kinoshita T, et al. **J Exp Med** 1986 Nov 1;164(5):1377–88

Adhesion-promoting receptors on human macrophages recognize Escherichia coli by binding to lipopolysaccharide. Wright SD, et al. **J Exp Med** 1986 Dec 1;164(6):1876–88

Differential interaction of the C3b/C4b receptor and MHC class I with the cytoskeleton of human neutrophils. Jack RM, et al. **J Immunol** 1986 Dec 15;137(12):3996–4003

Identification of an antigenic epitope and receptor binding domain of human C5a. Johnson RJ, et al. **J Immunol** 1987 Jun 1;138(11):3856–62

Cellular distribution of complement receptor type 4 (CR4): expression on human platelets. Vik DP, et al. **J Immunol** 1987 Jan 1;138(1):254–8

Receptors for C3b on the neutrophil surface associate with the cytoskeleton-containing cell residue subsequent to cell lysis with non-ionic detergent. Cytoskeletal-CR1 interactions. Katz JD, et al. **J Immunol Methods** 1987 May 4;99(1):83–93

Binding of complement component C3b to glycoprotein gC of herpes simplex virus type 1: mapping of gC-binding sites and demonstration of conserved C3b binding in low-passage clinical isolates. Friedman HM, et al. **J Virol** 1986 Nov;60(2):470–5

Identification of gp350 as the viral glycoprotein mediating attachment of Epstein-Barr virus (EBV) to the EBV/C3d receptor of B cells: sequence homology of gp350 and C3 complement fragment C3d. Nemerow GR, et al. **J Virol** 1987 May;61(5):1416–20

Leukocyte C5a receptor modulation during hemodialysis. Lewis SL, et al. **Kidney Int** 1987 Jan;31(1):112–20

Impaired surface membrane expression of C3bi but not C3b receptors on neonatal neutrophils. Bruce MC, et al. **Pediatr Res** 1987 Mar;21(3):306–11

C3bi receptor (complement receptor type 3) recognizes a region of complement protein C3 containing the sequence Arg-Gly-Asp. Wright SD, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1965–8

PHYSIOLOGY

Hematologic correlates and the role of erythrocyte CR1 (C3b receptor) in the development of AIDS. Inada Y, et al. **AIDS Res** 1986 Summer;2(3):235–47

Receptors for anaphylatoxic peptides. Bitter-Suermann D. **Behring Inst Mitt** 1987 Jun;(81):134

Complement-dependent triggering of B-cells, T-cells and macrophages. Dierich MP, et al. **Behring Inst Mitt** 1987 Jun;(81):128–32

The diacylglycerol kinase inhibitor, R59022, enhances the superoxide generation from human neutrophils induced by stimulation of fMet-Leu-Phe, IgG and C3b receptors. Muid RE, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):630–7

Leukocyte complement receptors and adhesion proteins in the inflammatory response: insights from an experiment of nature. Springer TA, et al. **Biochem Soc Symp** 1986; 51:47–57

Eosinophils of human colonic mucosa: C3b and Fc gamma receptor expression and phagocytic capabilities. Beeken WL, et al. **Clin Immunol Immunopathol** 1987 Jun; 43(3):289–300

Activation of human platelets through gp140, the C3d/EBV receptor (CR2). Nunez D, et al. **Eur J Immunol** 1987 Apr; 17(4):515–20

Alternative pathway of complement activation by stimulated T lymphocytes. II. Elevation of cytotoxic potential against complement receptor-carrying cell lines. Ramos OF, et al. **Eur J Immunol** 1987 Jul;17(7):975–9

Macrophage type 3 complement receptors mediate serum-independent binding of Leishmania donovani. Detection of macrophage-derived complement on the parasite surface by immunoelectron microscopy. Wozencraft AO, et al. **J Exp Med** 1986 Oct 1;164(4):1332–7

Functional role of the alpha-chain of complement receptor type 3 in human eosinophil-dependent antibody-mediated cytotoxicity against schistosomes. Capron M, et al. **J Immunol** 1987 Sep 15;139(6):2059–65

Cell-bound C3b stimulates human monocyte release of prostaglandin E and thromboxane B2. Fulford DE, et al. **J Leukocyte Biol** 1987 Apr;41(4):363–6

Receptor-mediated ingestion responses by lung macrophages from a canine model of ARDS. Tabor DR, et al. **J Leukocyte Biol** 1987 Jun;41(6):539–43

Fc and C3b receptor expression of phagocytes in poorly controlled diabetic patients. Lee CF, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):236–44

Phagocytosis of agarose beads by receptors for C3b (CR1) and iC3b (CR3) on human alveolar macrophages cultured on fibronectin in vitro. A scanning electron microscopic

study. Johnson E, et al. **Scand J Immunol** 1986 Dec; 24(6):653–60

Complement activation and complement receptors in systemic lupus erythematosus. Atkinson JP. **Springer Semin Immunopathol** 1986;9(2–3):179–94 (59 ref.)

Structure and function of human complement receptors: 1985. Gresham HD, et al. **Year Immunol** 1986;2:177–86 (51 ref.)

[Structure and biological activity of complement receptors, CR1, CR2 CR3] Iida K. **Seikagaku** 1986 Dec;58(12):1471–4 (16 ref.) **(Jpn)**

RECEPTORS, CONCANAVALIN A

ANALYSIS

Concanavalin A–binding glycoproteins in the subcommissural and the pineal organ of the sheep (Ovis aries). A fluorescence–microscopic and electrophoretic study. Meiniel R, et al. **Cell Tissue Res** 1986;245(3):605–13

Flow cytometric measurements of fluorescence energy transfer using single laser excitation. Szöllösi J, et al. **Cytometry** 1987 Mar;8(2):120–8

Analysis of the autoimmune response in an 'in situ' carcinoma of the testis. Lehmann D, et al. **Int J Androl** 1987 Feb; 10(1):163–8

ISOLATION & PURIFICATION

Plasma membrane proteins from human normal and chronic myeloid leukemic granulocytes: identification and partial characterization of the concanavalin A–binding and detergent resistant proteins. Zingde SM, et al. **Biut** 1987 Aug;55(2):89–100

METABOLISM

Double label freeze–etch study of the relative topography of concanavalin A and wheat germ agglutinin receptors at the myoblast surface. Barber KR, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):395–401

Binding of polycation DEAE–dextran to Chinese hamster ovary cells induces reversible Ca2+ influx and inhibits capping of concanavalin A acceptor proteins. Calderwood SK, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):316–25

The mobility of concanavalin A receptors and surface immunoglobulins on rat hepatocyte plasma membranes. Lustyik G, et al. **Biochim Biophys Acta** 1987 Jan 9; 896(1):57–63

Concanavalin A binding induces association of possible mating–type receptors with the cytoskeleton in Tetrahymena. Pagliaro L, et al. **Exp Cell Res** 1987 Jan; 168(1):138–52

Chronic ethanol administration alters hepatic surface membranes as evidenced by decreased concanavalin A binding. Metcalf JP, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):1–5

Localization of concanavalin A binding sites on rat cerebral cortex synaptosomes. Ovtscharoff W, et al. **Z Mikrosk Anat Forsch** 1986;100(5):825–31

PHYSIOLOGY

Correlation between movement of concanavalin A membrane receptors and cytolysis. A scanning electron microscopy study. Lustig S, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):388–97

Concanavalin A–induced electrokinetic changes and redistribution of receptors in mouse thymocytes. Joshi NN, et al. **Thymus** 1987;9(2):65–75

RADIATION EFFECTS

Use of lectin–bindings technique as a tool to assess the radiation dose. Measurements on blood cells of radiotherapy patients. Kubasova T, et al. **Radiobiol Radiother (Berl)** 1986;27(6):783–91

RECEPTORS, CORTICOSTEROID see **RECEPTORS, GLUCOCORTICOID**

RECEPTORS, CYCLIC AMP

DRUG EFFECTS

Effect of lithium in vitro and after chronic treatment on human platelet adenylate cyclase activity: postreceptor modification of second messenger signal amplification. Ebstein RP, et al. **Psychiatry Res** 1987 Jul;21(3):221–8

GENETICS

Probing the sequence–specific interaction of the cyclic AMP receptor protein with DNA by site–directed mutagenesis. Gent ME, et al. **Biochem J** 1987 Mar 15;242(3):645–53

Overproduction of the cyclic AMP receptor protein of Escherichia coli and expression of the engineered C–terminal DNA–binding domain. Gronenborn AM, et al. **Biochem J** 1986 Jun 15;236(3):643–9

Generation of deletions in the 3'–flanking sequences of the Escherichia coli crp gene that induce cyclic AMP suppressor functions. Barton JW, et al. **J Bacteriol** 1987 Feb;169(2):654–9

Repression and catabolite gene activation in the araBAD operon. Lichenstein HS, et al. **J Bacteriol** 1987 Feb; 169(2):811–22

Immunological analyses of the chemotactic receptor of Dictyosteleum discoideum. Identification of cDNA clones. Klein C, et al. **J Biol Chem** 1986 Nov 15;261(32):15192–6

Crystal structure of a cyclic AMP–independent mutant of catabolite gene activator protein. Weber IT, et al. **J Biol Chem** 1987 Apr 25;262(12):5630–6

[Minor promoters of phage phi X174 are controlled by CRP–cAMP, lexA, glnG and several other common common regulatory systems of the host cell] Shumilov VIu. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):200–23 (Eng. Abstr.) **(Rus)**

[Effect of mutation crp11 in the 3',5'–cyclic adenosine monophosphate receptor on the expression of the udp gene in Escherichia coli K12 strains deficient for transcription termination factors (rho ts15)] Astvatsaturian MZ. **Mol Gen Mikrobiol Virusol** 1986 May;(5):35–8 (Eng. Abstr.) **(Rus)**

[Effect of mutations damaging cyclic adenosine–3',5'–monophosphate receptor protein on the expression of catabolic operons in Escherichia coli delta ptsH K12] Glezina ML, et al. **Mol Gen Mikrobiol Virusol** 1985 Jul;(7):24–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification of the surface cAMP receptor in Dictyostelium. Klein P, et al. **J Biol Chem** 1987 Jan 5;262(1):352–7

METABOLISM

Role of a second catabolite activator protein molecule in controlling initiation of transcription at the galactose operon of Escherichia coli. Shanblatt SH, et al. **Biochemistry** 1986 Sep 23;25(19):5539–46

Predicted structures of cAMP binding domains of type I and II regulatory subunits of cAMP–dependent protein kinase. Weber IT, et al. **Biochemistry** 1987 Jan 27;26(2):343–51

Altered cyclic–AMP receptor activity and morphogenesis in a chemosensory mutant of Dictyostelium discoideum. Barclay SL, et al. **Differentiation** 1986;33(2):111–20

Studies with the Escherichia coli galactose operon regulatory region carrying a point mutation that simultaneously inactivates the two overlapping promoters. Interactions with RNA polymerase and the cyclic AMP receptor protein. Ponnambalam S, et al. **FEBS Lett** 1987 Jul 13; 219(1):189–96

The surface cyclic AMP receptor in Dictyostelium. Levels of ligand–induced phosphorylation, solubilization, identification of primary transcript, and developmental regulation of expression. Klein P, et al. **J Biol Chem** 1987 Jan 5;262(1):358–64

A monoclonal antibody that inhibits cyclic AMP binding by the Escherichia coli cyclic AMP receptor protein. Li XM, et al. **J Biol Chem** 1987 Jun 15;262(17):8383–9

Interactions of the catabolite activator protein (CAP) at the galactose and lactose promoters of Escherichia coli probed by hydroxyl radical footprinting. The second CAP molecule which binds at gal and the one CAP at lac may act to stimulate transcription in the same way. Shanblatt SH, et al. **J Biol Chem** 1987 Aug 25;262(24):11422–7

Down–regulation of cell surface cyclic AMP receptors and desensitization of cyclic AMP–stimulated adenylate cyclase by cyclic AMP in Dictyostelium discoideum. Kinetics and concentration dependence. Van Haastert PJ. **J Biol Chem** 1987 Jun 5;262(16):7700–4

Adenosine 3', 5'–monophosphorothioate (Rp–isomer) induces down–regulation of surface cyclic AMP receptors without receptor activation in Dictyostelium discoideum. Van Haastert PJ. **J Biol Chem** 1987 Jun 5;262(16):7705–10

Alteration of receptor/G–protein interaction by putative endogenous protein kinase activity in Dictyostelium discoideum membranes. Van Haastert PJ. **J Biol Chem** 1987 Mar 5;262(7):3239–43

Pharmacological characterization of cyclic AMP receptors mediating gene regulation in Dictyostelium discoideum. Haribabu B, et al. **Mol Cell Biol** 1986 Jul;6(7):2402–8

Superinduction of the Dictyostelium discoideum cell surface cAMP receptor by pulses of cAMP. Chisholm RL, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1030–4

Role of glutamic acid–181 in DNA–sequence recognition by the catabolite gene activator protein (CAP) of Escherichia coli: altered DNA–sequence–recognition properties of [Val181]CAP and [Leu181]CAP. Ebright RH, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6083–7

Translocation of an unusual cAMP receptor to the nucleus during development of Dictyostelium discoideum. Kay CA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2322–6

[Desensitization as a reflection of receptor–enzyme system inactivation during a reaction. Kinetic model of the process] Varfolomeev SD. **Biokhimiia** 1987 Feb; 52(2):317–28 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Transcription of the speC (ornithine decarboxylase) gene of Escherichia coli is repressed by cyclic AMP and its receptor protein. Wright JM, et al. **Gene** 1986;44(1):37–45

Cyclic AMP regulation of early gene expression in Dictyostelium discoideum: mediation via the cell surface cyclic AMP receptor. Mann SK, et al. **Mol Cell Biol** 1987 Jan;7(1):458–69

cAMP induction of prespore and prestalk gene expression in Dictyostelium is mediated by the cell–surface cAMP receptor. Gomer RH, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8624–8

RECEPTORS, DIAZEPAM see **RECEPTORS, GABA–BENZODIAZEPINE**

RECEPTORS, DOPAMINE

No D2 receptor increase in PET study of schizophrenia [letter] Farde L, et al. **Arch Gen Psychiatry** 1987 Jul; 44(7):671–2

ANALYSIS

Demonstration of specific dopamine receptors on human pituitary adenomas. Koga M, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):595–602

Hyperprolactinaemia does not alter specific striatal 3H–spiperone binding in the rat. Simpson MD, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3203–8

In vivo dopamine receptor assessment for clinical studies using positron emission tomography. Swart JA, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2241–50

Decreased serotonin S2 and increased dopamine D2 receptors in chronic schizophrenics. Mita T, et al. **Biol Psychiatry** 1986 Dec;21(14):1407–14

Brain dopamine receptor levels elevated in canine narcolepsy. Bowersox SS, et al. **Brain Res** 1987 Jan 27;402(1):44–8

Detection of dopamine receptors in homogenates of rat hippocampus and other brain areas. Bruinink A, et al. **Brain Res** 1986 Oct 29;386(1–2):78–83

Effects of sulpiride and apomorphine on prolactin release in adrenalectomized animals. Role of sodium ions. Collu R, et al. **Brain Res** 1987 Jan 13;401(1):23–9

Occurrence of the D–1 dopamine receptor in the substantia nigra of several mammalian species: identification in binding studies using [125I]SCH 23982. Yamamoto T, et al. **Brain Res** 1987 Mar 31;407(2):398–400

Expression of neurotransmitter receptors and myc protooncogenes in subclones of a human neuroblastoma cell line. Sadée W, et al. **Cancer Res** 1987 Oct 1; 47(19):5207–12

Identification and characterization of peripheral neuronal dopamine receptors in the rat. Dupont AG, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):913–29

Biochemical and pharmacological characterization of ganglionic dopamine receptors. Sabouni MH, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):873–87

Serotonin and dopamine receptors in the rat pituitary gland: autoradiographic identification, characterization, and localization. De Souza EB. **Endocrinology** 1986 Oct; 119(4):1534–42

Evaluation of 75Br–labelled butyrophenone neuroleptics for imaging cerebral dopaminergic receptor areas using positron emission tomography. Moerlein SM, et al. **Eur J Nucl Med** 1986;12(4):211–6

Brain dopamine autoreceptors in aging rats. Carfagna N, et al. **Exp Gerontol** 1986;21(3):169–75

Radiobrominated spiroperidol for the study of dopamine D2 receptors. De Jesus OT, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):719–26 (72 ref.)

The preparation and use of [77Br]p–bromospiperone for clinical dopamine D2 receptor measurements. Oldland SR, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):715–7

Pharmacological characterization of neuronal dopamine receptors in the rat hindquarters, renal and superior mesenteric vascular beds. Dupont AG, et al. **J Auton Pharmacol** 1986 Dec;6(4):305–9

In vivo labeling of dopamine receptors: light microscopic localization at the cellular level by means of dipping autoradiography with the agonist (3H)N–n–propylnorapomorphine. Loopuijt LD, et al. **J Neural Transm** 1987;68(1–2):15–23

Quantitative autoradiographic localization of the D1 and D2 subtypes of dopamine receptors in rat brain. Boyson SJ, et al. **J Neurosci** 1986 Nov;6(11):3177–88

Dopamine D2 receptors in the rat brain: autoradiographic visualization using a high–affinity selective agonist ligand. Charuchinda C, et al. **J Neurosci** 1987 May;7(5):1352–60

The absolute density of neurotransmitter receptors in the brain. Example for dopamine receptors. Seeman P. **J Pharmacol Methods** 1987 Jul;17(4):347–60 (107 ref.)

Dopamine receptor asymmetry in schizophrenia [letter] Reynolds GP, et al. **Lancet** 1987 Apr 25;1(8539):979

Modulation of rat striatal membrane fluidity: effects on age related differences in dopamine receptor concentrations. Henry JM, et al. **Life Sci** 1986 Oct 6;39(14):1223–9

Quantitative determination of D2 dopamine receptor characteristics in healthy human subjects and psychiatric patients. Sedvall G, et al. **Life Sci** 1987 Aug 17;41(7):813–6

Alteration of dopamine receptors in the caudate nucleus and the putamen in schizophrenic brain. Mjörndal T, et al. **Med Biol** 1986;64(6):351–4

Evidence for dopaminergic binding sites in the human adrenal cortex. Stern N, et al. **Metabolism** 1986 Dec;35(12):1154–8

Identification of the binding subunit of the D1–dopamine receptor by photoaffinity crosslinking. Amlaiky N, et al. **Mol Pharmacol** 1987 Feb;31(2):129–34

D–1 dopamine receptors labelled with 3H–SCH 23390: decrease in the striatum of aged rats. Giorgi O, et al. **Neurobiol Aging** 1987 Jan–Feb;8(1):51–4

Effect of aging on striatal dopamine receptor subtypes in

Wistar rats. Henry JM, et al. **Neurobiol Aging** 1986 Sep–Oct;7(5):357–61

Age-related decreases in dopamine receptors in the caudate nucleus and putamen of the rhesus monkey (Macaca mulatta). Lai H, et al. **Neurobiol Aging** 1987 Jan–Feb; 8(1):45–9

Divergent changes in D–1 and D–2 dopamine binding sites in human brain during aging. Morgan DG, et al. **Neurobiol Aging** 1987 May–Jun;8(3):195–201

Dopamine receptors are located on rods in bovine retina. Brann MR, et al. **Neurosci Lett** 1986 Sep 12;69(3):221–6

Basal ganglia and cerebral cortical distribution of dopamine D1- and D2-receptors in neonatal and adult cat brain. Richfield EK, et al. **Neurosci Lett** 1987 Jan 27;73(3):203–8

Autoradiographic distribution of the D1 agonist [3H]SKF 38393, in the rat brain and spinal cord. Comparison with the distribution of D2 dopamine receptors. Dubois A, et al. **Neuroscience** 1986 Sep;19(1):125–37

Quantitative autoradiography of dopamine D2 sites in rat caudate–putamen: localization to intrinsic neurons and not to neocortical afferents. Joyce JN, et al. **Neuroscience** 1987 Mar;20(3):773–95

Human striatal dopamine receptors are organized in compartments. Joyce JN, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):8002–6

Transplantation of ventral mesencephalic anlagen to hosts with genetic nigrostriatal dopamine deficiency. Triarhou LC, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8789–93

Pharmacological validation of the two-dopamine-receptor hypothesis. Goldman ME, et al. **Psychopharmacol Ser** 1987; 3:201–13 (48 ref.)

[Dopaminergic receptors] Piccinin GL, et al. **Riv Neurol** 1986 Mar–Apr;56(2):121–9 (15 ref.) (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Biochemical and behavioral studies of D1 dopamine receptors utilizing SCH 23390. Hess EJ, et al. **Adv Exp Med Biol** 1986;204:29–52 (60 ref.)

Benzazepines: structure–activity relationships between D1 receptor blockade and selected pharmacological effects. Iorio LC, et al. **Adv Exp Med Biol** 1986;204:1–14 (16 ref.)

Functional interactive effects of D1 and D2 dopamine receptor blockade. Salama AI, et al. **Adv Exp Med Biol** 1986;204:137–50

Dopamine D1-receptor binding in the living human brain. Sedvall G, et al. **Adv Exp Med Biol** 1986;204:119–24

CLASSIFICATION

The multiplicity of the D1 dopamine receptor. Mailman RB, et al. **Adv Exp Med Biol** 1986;204:53–72 (82 ref.)

Electrophysiological assessment of dopamine receptor subtypes. Napier TC, et al. **Adv Exp Med Biol** 1986; 204:167–88 (103 ref.)

Failure of subchronic lisuride to modify A10 dopamine autoreceptors' sensitivity. Mereu G, et al. **Brain Res** 1987 Apr 7;408(1–2):210–4

Subclassification of peripheral dopamine receptors. Hilditch A, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):853–72

DRUG EFFECTS

In vivo evidence for dopaminergic regulation of the canine pituitary intermediate lobe. Kemppainen RJ, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):471–8

Induction of transient hyperprolactinaemia in neonatal rats by direct or maternal treatment with the dopamine receptor blocker, sulpiride. Lewis M, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):357–64

Cholinergic and dopaminergic alterations in the mouse central nervous system following acute trimethyltin exposure. Ali SF, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):179–88

The benzazepine, SCH 23390, inhibits 3H-NPA binding in mouse brain in vivo. Andersen PH, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):315–8

Further studies of the mechanism behind scopolamine-induced reversal of antistereotypic and cataleptogenic effects of neuroleptics in rats. Arnt J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):319–24

Presynaptic dopamine receptors in the pithed rat: characterization with apomorphine and comparison with central dopamine autoreceptors. Hietala J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):291–7

Effect of prolonged treatment with neuroleptics on dopamine D–1 and D–2 receptor density in corpus striatum of mice. Hyttel J. **Acta Pharmacol Toxicol (Copenh)** 1986 Nov; 59(5):387–91

Nicotinic effects on the firing pattern of midbrain dopamine neurons. Grenhoff J, et al. **Acta Physiol Scand** 1986 Nov; 128(3):351–8

The dopamine-gamma aminobutyric acid interaction in the striatum of the rat is differently regulated by dopamine D–1 and D–2 types of receptor: evidence obtained with rotational behavioural experiments. Herrera-Marschitz M, et al. **Acta Physiol Scand** 1987 Mar;129(3):371–80

Role of dopamine2-receptors in mediating renal vascular response to low dose dopamine infusion in the rat. Seri I, et al. **Acta Physiol Scand** 1987 Aug;130(4):563–9

Enantiomeric analogues of SCH 23390 as new probes for behavioral interactions between D1 and D2 dopaminergic function. Waddington JL, et al. **Adv Exp Med Biol** 1986; 204:125–36 (41 ref.)

Determination and visualization of damage to striatal dopaminergic terminals in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism by [18F]-labeled 6-fluoro-L-dopa and positron emission tomography. Chiueh CC, et al. **Adv Neurol** 1987;45:167–9

Studies on the mechanism of the dopaminergic neurotoxicity of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Heikkila RE, et al. **Adv Neurol** 1987;45:149–52

Tissue culture model for studying MPTP toxicity to dopamine neurons. Mytilineou C, et al. **Adv Neurol** 1987; 45:145–8

Dopamine agonists as primary treatment in Parkinson's disease. Rinne UK. **Adv Neurol** 1987;45:519–23

Chronic cocaine administration induces opposite changes in dopamine receptors in the striatum and nucleus accumbens. Goeders NE, et al. **Alcohol Drug Res** 1987;7(4):207–16

Cyclo (Leu–Gly) attenuates the striatal dopaminergic supersensitivity induced by chronic morphine. Lee JM, et al. **Alcohol Drug Res** 1987;7(1):1–10

Mediation of "calcium antagonist" effects by dopamine receptor blockade [letter] Nurnberger J Jr, et al. **Am J Psychiatry** 1987 Jul;144(7):966–7

A dopaminergic receptor in adrenal medulla as a possible site of action for the droperidol-evoked hypertensive response. Montiel C, et al. **Anesthesiology** 1986 Nov; 65(5):474–9

Electrophysiological and behavioral assessments of dopamine autoreceptor activation to apomorphine in rats. Okuyama S, et al. **Arch Int Pharmacodyn Ther** 1986 Dec; 284(2):246–54

Vascular effects of selective dopamine receptor agonists and antagonists in the rat kidney. Schmidt M, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):195–205

Anticatatonic effect of clonidine: its interaction with dopaminergic, anticholinergic and GABA-ergic drugs. Shukla VK, et al. **Arch Int Pharmacodyn Ther** 1986 Jul; 282(1):33–43

Long-term administration of (–)deprenyl (selegiline), a compound which facilitates dopaminergic tone in the brain, leaves the sensitivity of dopamine receptors to apomorphine unchanged. Timar J, et al. **Arch Int Pharmacodyn Ther** 1986 Dec;284(2):255–66

Dopamine and preparatory behavior: I. Effects of pimozide. Blackburn JR, et al. **Behav Neurosci** 1987 Jun;101(3):352–60

Effects of apomorphine and haloperidol on response suppression learning of young chicks. McDougall SA, et al. **Behav Neurosci** 1987 Apr;101(2):254–63

Enhanced frustrative nonreward effect following 6-hydroxydopamine lesions of the lateral septum in the rat. Taghzouti K, et al. **Behav Neurosci** 1985 Dec; 99(6):1066–73

Pharmacological and biochemical characterization of dopamine receptors mediating stimulation of a high affinity GTPase in rat striatum. Onali P, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2839–45

Behavioural correlates of the action of selective D–1 dopamine receptor antagonists. Impact of SCH 23390 and SKF 83566, and functionally interactive D–1:D–2 receptor systems. Waddington JL. **Biochem Pharmacol** 1986 Nov 1;35(21):3661–7 (85 ref.)

Differential modulation of dopamine D2 receptors by chronic haloperidol, nitrendipine, and pimozide. Tecott LH, et al. **Biol Psychiatry** 1986 Oct;21(12):1114–22

The action of a dopamine (DA1) receptor agonist, fenoldopam in human vasculature in vivo and in vitro. Hughes A, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):535–40

Effect of lead exposure on dopaminergic receptors in rat striatum and nucleus accumbens. Govoni S, et al. **Brain Res** 1986 Aug 27;381(1):138–42

Pertussis toxin blocks autoreceptor-mediated inhibition of dopaminergic neurons in rat substantia nigra. Innis RB, et al. **Brain Res** 1987 May 12;411(1):139–43

Alterations in mice dopamine receptor characteristics after early exposure to phenobarbital. Iser-Strenger C, et al. **Brain Res** 1986 Nov;395(1):57–65

Synergistic effects of D1 and D2 dopamine agonists on turning behaviour in rats. Robertson GS, et al. **Brain Res** 1986 Oct 8;384(2):387–90

D–2 selective receptor antagonists suppress sucrose sham feeding in the rat. Schneider LH, et al. **Brain Res Bull** 1986 Oct;17(4):605–11

Clinical evaluation of the simultaneous blockade of the dopamine D–2, histamine H–1, and muscarinic cholinergic receptors in cancer chemotherapy-induced emesis: results of a controlled trial. Martin-Jimenez M, et al. **Cancer Chemother Pharmacol** 1986;18(2):168–71

Stimulation of vascular dopamine receptors: status and future strategies. Berkowitz BA, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):1037–44 (29 ref.)

Selective renal dopamine–1 receptor stimulation in man. Carey RM, et al. **Clin Exp Hypertens [A]** 1987; 9(5–6):1009–20

Cardiovascular characterization of DA–1 and DA–2 dopamine receptor agonists in anesthetized rats. Cavero I, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):931–52

Is stimulation of prejunctional dopamine receptors an antihypertensive principle? Clark BJ. **Clin Exp Hypertens [A]** 1987;9(5–6):1045–68 (83 ref.)

Potential use of DA1 and DA2 receptor agonists in the treatment of hypertension. Goldberg LI, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):1023–35 (39 ref.)

Hemodynamic effects of selective dopamine receptor agonists in the rat and dog. Hieble JP, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):889–912

Experimental and clinical approaches to treatment of hypertension by dopamine receptor agonists. Montastruc JL, et al. **Clin Exp Hypertens [A]** 1987;9(5–6):1069–84 (22 ref.)

Pharmacologic evaluation of dopaminergic receptor blockade by metoclopramide. Hassan MN, et al. **Clin Neuropharmacol** 1986;9(1):71–8

The effect of fenoldopam, a dopaminergic agonist, on renal hemodynamics. Allison NL, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):282–8

Modulation of dopamine receptors in the Tapes clam by dextroamphetamine and phenylethanolamine. Dougan DF, et al. **Comp Biochem Physiol [C]** 1987;86(2):317–24

Direct effect of estradiol on the number of dopamine receptors in the anterior pituitary of ovariectomized rats. Pasqualini C, et al. **Endocrinology** 1986 Dec;119(6):2484–9

Human renovascular effects of dopexamine hydrochloride: a novel agonist of peripheral dopamine and beta 2-adreno-receptors. Magrini F, et al. **Eur J Clin Pharmacol** 1987;32(1):1–4

Dopamine autoreceptor agonists including CGS 15855A decrease dopamine release and metabolism in mouse brain. Altar CA, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):303–11

1-Methyl-4-phenylpyridine (MPP+): regional dopamine neuron uptake, toxicity, and novel rotational behavior following dopamine receptor proliferation. Altar CA, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):199–209

Thienopyridine derivatives identified as the first selective, full efficacy, dopamine D1 receptor agonists. Andersen PH, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):291–2

Dopamine D–1 receptor agonists combined with the selective D–2 agonist quinpirole facilitate the expression of oral stereotyped behaviour in rats. Arnt J, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):137–45

Relative activities of SCH 23390 and its analogs in three tests for D1/DA1 dopamine receptor antagonism. Barnett A, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):249–53

The D–1 dopamine receptor antagonist SCH 23390 also interacts potently with brain serotonin (5–HT2) receptors. Bischoff S, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):367–70

Enhancing effect of dopamine blockers on evoked acetylcholine release in rat striatal slices: a classical D–2 antagonist response? Boireau A, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):93–8

Obligatory D–1/D–2 receptor interaction in the generation of dopamine agonist related behaviors. Braun AR, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):301–6

D–1 receptor supersensitivity in the rat striatum after unilateral 6-hydroxydopamine lesions. Buonamici M, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):347–8

Opposing effects of D–1 and D–2 receptor antagonists on acetylcholine levels in the rat striatum. Fage D, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):359–62

The effects of selective dopamine receptor agonists and antagonists on body temperature in rats. Faunt JE, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):243–7

Dopamine D–2 auto- and postsynaptic receptors in the nigrostriatal system of the rat brain: localization by quantitative autoradiography with [3H]sulpiride. Filloux FM, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):61–8

Behavioural evidence for the functionality of D–2 but not D–1 dopamine receptors at multiple brain sites in the 6-hydroxydopamine-lesioned rat. Fletcher GH, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):407–11

Effects of acute thioridazine, metoclopramide and SCH 23390 on the basal activity of A9 and A10 dopamine cells. Hand TH, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):251–5

Endogenous dopamine release from rat striatal slices and its regulation by D–2 autoreceptors: effects of uptake inhibitors and synthesis inhibition. Herdon H, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):69–76

The dopamine autoreceptor agonist B–HT 920 stimulates denervated postsynaptic brain dopamine receptors in rodent and primate models of Parkinson's disease: a novel approach to treatment. Hinzen D, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):75–86

Nicotine preferentially stimulates dopamine release in the limbic system of freely moving rats. Imperato A, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):337–8

Opposite effects of a D1 and a D2 agonist on oral movements in rats. Johansson P, et al. **Eur J Pharmacol** 1987 Jan 28; 134(1):83–8

Blockade of D–1 receptors by SCH 23390 antagonizes morphine- and amphetamine-induced place preference conditioning. Leone P, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):251–4

Permissive role of D–1 receptor stimulation by endogenous dopamine for the expression of postsynaptic D–2–mediated behavioural responses. Yawning in rats. Longoni R, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):163–73

Studies on the involvement of dopamine D–1 and D–2 receptors in the anticonvulsant effect of dopamine agonists in various rodent models of epilepsy. Löscher W, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):55–65

Further evidence that a single dose of an opiate can increase dopamine receptor sensitivity in mice. Martin JR, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):203–9

Diphenylhydantoin and phenobarbital suppress the dopaminergic neurotoxicity of MPTP in mice. Melamed E, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):255–7

Repeated administration of (–)sulpiride and SCH 23390 differentially up–regulate D–1 and D–2 dopamine receptor function in rat mesostriatal areas but not in cortical–limbic brain regions. Memo M, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):45–51

The hypomotility elicited by small doses of apomorphine seems exclusively mediated by dopaminergic systems in the nucleus accumbens. Radhakishun FS, et al. **Eur J Pharmacol** 1987 May 7;137(1):41–7

[125I]SCH 23982: the ligand of choice for identifying the D–1 dopamine receptor. Sidhu A, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):213–20

Opposite effects of sulfated cholecystokinin on DA–sensitive adenylate cyclase in two areas of the rat nucleus accumbens. Studler JM, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):125–8

The putatively selective dopamine autoreceptor antagonists (+)–AJ 76 and (+)–UH 232 stimulate prolactin release in rats. Svensson K, et al. **Eur J Pharmacol** 1986 Nov 4; 130(3):237–42

Binding characteristics of the dopamine agonist/antagonist [3H]terguride (transdihydrolisuride) in the rat striatum. Valchář M, et al. **Eur J Pharmacol** 1987 Apr 7; 136(1):97–101

Pharmacological evidence for the existence of interactions between dopaminergic and opioid peptidergic systems in guinea–pig ileum myenteric plexus. Vargas ML, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):259–63

Dopamine D2 receptor mediation of the discriminative stimulus properties of LY 171555 (quinpirole). Weathersby RT, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):87–91

The dopamine D–2 antagonist, Ro 22–1319, inhibits the persistent behavioral syndrome induced by iminodipropionitrile (IDPN) in mice. Cadet JL, et al. **Exp Neurol** 1987 Jun;96(3):594–600

Bombesin–induced hypothermia: possible involvement of cholinergic and dopaminergic receptors in the rat hypothalamus. Chiu WT, et al. **Exp Neurol** 1987 Feb; 95(2):368–77

Interaction of some 2–hydroxybenzylpiperidines with dopamine receptors. Cardellini M, et al. **Farmaco [Sci]** 1987 Apr;42(4):307–17

Prolonged dopamine receptor blockade in normoprolactinemic amenorrhea: a double–blind placebo study. Djursing H, et al. **Fertil Steril** 1986 Nov;46(5):840–5

Behavioural effects of long–term administration of fencamfamine: neurochemical implications. Planeta CS, et al. **Gen Pharmacol** 1987;18(4):347–9

Disparate effects of acute administration of dopamine receptor antagonists on plasma aldosterone and prolactin levels in the rat. Van der Niepen P, et al. **Horm Metab Res** 1987 Jun;19(6):279–80

Cardiovascular and renal profile of acute peripheral dopamine1–receptor agonism with fenoldopam. Glück Z, et al. **Hypertension** 1987 Jul;10(1):43–54

Peripheral dopamine receptors in the antihypertensive action of dihydroergotoxine in humans. Mercuro G, et al. **Hypertension** 1987 Jan;9(1):35–40

Improvement of symptoms in Tourette syndrome by piquindone, a novel dopamine–2 receptor antagonist. Uhr SB, et al. **Int Clin Psychopharmacol** 1986 Jul;1(3):216–20

Radiosynthesis of a selective dopamine D–1 receptor antagonist: R(+)–7–chloro–8–hydroxy–3–[11C]methyl–1–phenyl–2,3,4,5–tetrahydro–1H–3 –benzazepine ([11C]SCH 23390). Ravert HT, et al. **Int J Rad Appl Instrum [A]** 1987; 38(4):305–6

Characterization of vascular dopamine receptors in the gastric circulation of the rabbit. Reinsberg J, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):1067–73

Dose–related prolactin inhibitory effect of the new long–acting dopamine receptor agonist cabergoline in normal cycling, puerperal, and hyperprolactinemic women. Melis GB, et al. **J Clin Endocrinol Metab** 1987 Sep; 65(3):541–5

Is there a presynaptic tardive dyskinesia? [letter] Bowers MB Jr, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):57–9

Dopamine produces forearm vasodilatation following alpha–adrenoceptor blockade by an action on vascular dopamine (DA1) receptors in man. Hughes AD, et al. **J Hypertens** 1987 Jun;5(3):337–40

Assessment of a potential dopaminergic prodrug moiety in several ring systems. Cannon JG, et al. **J Med Chem** 1986 Oct;29(10):2016–20

Resolved cis– and trans–2–amino–5–methoxy–1–methyltetralins: central dopamine receptor agonists and antagonists. Johansson AM, et al. **J Med Chem** 1987 Apr;30(4):602–11

C3–methylated 5–hydroxy–2–(dipropylamino)tetralins: conformational and steric parameters of importance for central dopamine receptor activation. Johansson AM, et al. **J Med Chem** 1987 Jul;30(7):1135–44

Synthesis of Pro–Leu–Gly–NH2 analogues modified at the prolyl residue and evaluation of their effects on the receptor binding activity of the central dopamine receptor agonist, ADTN. Johnson RL, et al. **J Med Chem** 1986 Oct; 29(10):2104–7

Dopamine receptor modulation by Pro–Leu–Gly–NH2 analogues possessing cyclic amino acid residues at the C–terminal position. Johnson RL, et al. **J Med Chem** 1986 Oct;29(10):2100–4

Synthesis and dopaminergic binding of 2–aryldopamine analogues: phenethylamines, 3–benzazepines, and 9–(aminomethyl)fluorenes. Ladd DL, et al. **J Med Chem** 1986 Oct;29(10):1904–12

A molecular mechanics approach to the understanding of presynaptic selectivity for centrally acting dopamine receptor agonists of the phenylpiperidine series. Liljefors T, et al. **J Med Chem** 1986 Oct;29(10):1896–904

Enantiomers of 3–(3,4–dihydroxyphenyl)– and 3–(3–hydroxyphenyl)–N–n–propylpiperidine: central pre– and postsynaptic dopaminergic effects and pharmacokinetics [published erratum appears in J Med Chem 1987 Jul;30(7):1261] Rollema H, et al. **J Med Chem** 1986 Oct;29(10):1889–95

Synthesis and evaluation of non–catechol D–1 and D–2 dopamine receptor agonists: benzimidazol–2–one, benzoxazol–2–one, and the highly potent benzothiazol–2–one 7–ethylamines. Weinstock J, et al. **J Med Chem** 1987 Jul;30(7):1166–76

Synthesis and renal vasodilator activity of some dopamine agonist 1–aryl–2,3,4,5–tetrahydro–1H–3–benzazepine–7,8–diols: halogen and methyl analogues of fenoldopam. Weinstock J, et al. **J Med Chem** 1986 Nov;29(11):2315–25

Conformational analysis of 2–aminoindans and 2–(aminomethyl)indans in relation to their central dopaminergic effects and a dynamic dopamine receptor concept. Wikström H, et al. **J Med Chem** 1987 Jul; 30(7):1115–20

Selective D–1 dopamine receptor agonist treatment of Parkinson's disease. Braun A, et al. **J Neural Transm** 1987; 68(1–2):41–50

Partial protection against hyperbaric oxygen induced convulsions by dopaminergic agents in mice: possible involvement of autoreceptors? Criborn CO, et al. **J Neural Transm** 1987;69(3–4):277–85

Lack of effects of apomorphine, haloperidol and clozapine on the synthesis and utilization of brain GABA. Lindgren S. **J Neural Transm** 1987;69(1–2):47–57

Comparison of the effects of dopamine D1 and D2 receptor antagonists on rat striatal, limbic and nigral dopamine synthesis and utilisation. Magnusson O, et al. **J Neural Transm** 1987;69(3–4):163–77

Biochemical, behavioural, and endocrine effects of CK 204–933, a novel 8 beta–ergolene. Markstein R, et al. **J Neural Transm** 1987;69(3–4):179–99

Dopamine receptor changes in response to prolonged treatment with L–dopa. Groppetti A, et al. **J Neural Transm [Suppl]** 1986;22:33–45

Effects of heavy metal cations and other sulfhydryl reagents on brain dopamine D1 receptors: evidence for involvement of a thiol group in the conformation of the active site. Braestrup C, et al. **J Neurochem** 1987 Jun;48(6):1667–72

Elevation of striatal dopamine receptors by estrogen: dose and time studies. Hruska RE. **J Neurochem** 1986 Dec; 47(6):1908–15

Stimulation of adenylate cyclase in relation to dopamine–induced long–term enhancement (LTE) of muscarinic depolarization in the rabbit superior cervical ganglion. Mochida S, et al. **J Neurosci** 1987 Feb;7(2):311–8

Acute effect of nicotine on the striatal dopaminergic system in the rat. Fung YK, et al. **J Pharm Pharmacol** 1986 Dec; 38(12):920–2

[3H]SCH 23390 identifies D–1 binding sites in rat striatum and other brain areas. Kilpatrick GJ, et al. **J Pharm Pharmacol** 1986 Dec;38(12):907–12

Anticholinergic activity of the dopamine receptor agonist, TL–68 (N,N–dipropyl–2–aminotetralin). Sahin I, et al. **J Pharm Pharmacol** 1987 Feb;39(2):140–1

Pharmacokinetics of dopamine–2 agonists in rats and dogs. Swagzdis JE, et al. **J Pharm Sci** 1986 Oct;75(10):925–8

Role of dopaminergic and serotonergic neuronal systems in the prefrontal cortex of rats in phencyclidine–induced behaviors. Yamaguchi K, et al. **J Pharmacobiodyn** 1986 Dec;9(12):987–96

Role of dopaminergic and GABAergic mechanisms in discrete brain areas in phencyclidine–induced locomotor stimulation and turning behavior. Yamaguchi K, et al. **J Pharmacobiodyn** 1986 Dec;9(12):975–86

Comparison of the effects of the novel inotropic agent, ibopamine, with epinine, dopamine and fenoldopam on renal vascular dopamine receptors in the anesthetized dog. Nichols AJ, et al. **J Pharmacol Exp Ther** 1987 Aug; 242(2):573–8

Opposite regulation of serotonin–S2 and dopamine–D2 receptors in rat brain following chronic receptor blockade. Leysen JE, et al. **J Recept Res** 1987;7(1–4):223–39

Comparison of effects of tiapride and sulpiride on D–1, D–2, D–3 and D–4 subtypes of dopamine receptors in rat striatal and bovine caudate nucleus membranes. Arima T, et al. **Jpn J Pharmacol** 1986 Jul;41(3):419–23

Desensitization of dopamine receptors observed in Aplysia ganglion cells. Matsumoto M, et al. **Jpn J Physiol** 1987; 37(2):327–31

Human atrial natriuretic peptide (hANP) has no effect upon dopaminergic pathways: preliminary evidence in nude mice bearing heterotransplanted human CONN's adenoma tissue. Jungmann E, et al. **Klin Wochenschr** 1986;64 Suppl 6:47–9

Influence of pertussis toxin on the effects of guanine nucleotide on adenylate cyclase in rat striatal membranes. Arima T, et al. **Life Sci** 1986 Dec 22;39(25):2429–34

"In vivo" visualization by positron emission tomography of the progressive striatal dopamine receptor damage occurring in MPTP–intoxicated non–human primates. Hantraye P, et al. **Life Sci** 1986 Oct 13;39(15):1375–82

Presynaptic control of dopamine metabolism in the nucleus accumbens. Lack of effect of buspirone as demonstrated using in vivo voltammetry. Louilot A, et al. **Life Sci** 1987 May 18;40(20):2017–24

6–Hydroxydopamine–induced degeneration of nigral dopamine neurons: differential effect on nigral and striatal D–1 dopamine receptors. Porceddu ML, et al. **Life Sci** 1987 Aug 10;41(6):697–706

Evidence that the stimulus properties of apomorphine are mediated by both D1 and D2 receptor activation. Schechter MD, et al. **Life Sci** 1987 Jun 22;40(25):2461–71

Ethanol induces rotational behavior in 6–hydroxydopamine lesioned mice. Silverman PB. **Life Sci** 1987 Mar 9; 40(10):967–71

Bovine serum albumin—haloperidol as a tool for the study of dopaminergic transmission: behavioural and neurochemical effects following a single injection in the nucleus accumbens. Taghzouti K, et al. **Life Sci** 1987 Jan 12;40(2):127–37

Differential modification of striatal D1 dopamine receptors and effector moieties by N–ethoxycarbonyl–2–ethoxy–1,2–dihydroquinoline in vivo and in vitro. Hess EJ, et al. **Mol Pharmacol** 1987 Jan; 31(1):50–7

Solid state conformations and antidopaminergic effects of remoxipride hydrochloride and a closely related salicylamide, FLA 797, in relation to dopamine receptor models. Högberg T, et al. **Mol Pharmacol** 1986 Oct; 30(4):345–51

Inhibition of noradrenergic neurotransmission by apomorphine and pergolide in the in situ autoperfused rat renal and superior mesenteric vascular beds. Dupont AG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):229–34

Effects of dopamine receptor antagonists on gastrin and vomiting responses to apomorphine. Goiny M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):16–9

Central dopaminergic properties of HW–165 and its enantiomers; trans–octahydrobenzo(f)quinoline congeners of 3–PPP. Hjorth S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):205–18

Dopamine D–2 receptors inhibit D–1 stimulated cyclic AMP accumulation in striatum but not limbic forebrain. Kelly E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):508–12

Neurochemical and behavioural evidence that dopamine D–2 receptors in striatum couple to the Ni regulatory protein and inhibition of cyclic AMP accumulation. Kelly E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):618–23

Inhibition of K+–stimulated [3H]dopamine and [14C]acetylcholine release by the putative dopamine autoreceptor agonist, B–HT 920. Schmidt CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):377–82

(+)–AJ 76 and (+)–UH 232: central stimulants acting as preferential dopamine autoreceptor antagonists. Svensson K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):234–45

The effect of the dopamine agonist pergolide on tyrosine hydroxylase activity in rat striatal and limbic miniprisms in vitro: a model for the dopamine autoreceptor? Vulto AG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug;333(4):349–53

Effect of dopamine D–1 and D–2 receptor selective drugs on dopamine release and metabolism in rat striatum in vivo. Zetterström T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):117–24

Temporal changes in dopaminergic and serotonergic function caused by administration of trimethyltin to adult rats. DeHaven DL, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct;8(5):475–9

Diurnal responsiveness to apomorphine. Gancher ST, et al. **Neurology** 1987 Jul;37(7):1250–3

Ketotifen can antagonise changes in sensitivity of cerebral dopamine receptors: behavioural correlates in rodent and primate. Barnes JC, et al. **Neuropharmacology** 1987 Jul; 26(7A):693–700

Sexually differentiated actions of 3–PPP enantiomers on prolactin secretion. Carlsson M, et al. **Neuropharmacology** 1986 Aug;25(8):951–4

Ultrasonic vocalization in rat pups: effects of early postnatal exposure to SCH 23390 (a DA1–receptor antagonist) and sulpiride (a DA2–receptor antagonist). Cuomo V, et al. **Neuropharmacology** 1987 Jul;26(7A):701–5

Influence of SCH 23390, a DA1–receptor antagonist, on the behavioural responsiveness to small and large doses of apomorphine in rats. Cuomo V, et al. **Neuropharmacology** 1986 Nov;25(11):1297–300

Influence of antipsychotics on presynaptic receptors modulating the release of dopamine in synaptosomes of the nucleus accumbens of rats. Hetey L, et al. **Neuropharmacology** 1986 Oct;25(10):1103–9

Comparison of the acute actions of amine–depleting drugs

and dopamine receptor antagonists on dopamine function in the brain in rats. Hong M, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):237–45

Dopamine D2 receptors in the striatum and frontal cortex following chronic administration of haloperidol. Liskowsky DR, et al. **Neuropharmacology** 1987 May;26(5):481–3

Stereotyped behaviour in response to the selective D–2 dopamine receptor agonist RU 24213 is enhanced by pretreatment with the selective D–1 agonist SK&F 38393. Mashurano M, et al. **Neuropharmacology** 1986 Aug; 25(8):947–9

Modification of the function of D1 and D2 dopamine receptors in striatum and nucleus accumbens of rats chronically treated with haloperidol. Memo M, et al. **Neuropharmacology** 1987 May;26(5):477–80

Differential effects of dopamine D–1 and D–2 receptor agonists on EEG activity and behaviour in the rabbit. Ongini E, et al. **Neuropharmacology** 1987 Apr;26(4):355–60

Chronic treatment with haloperidol affect the response of the brain to pentobarbital. Yanai J, et al. **Neuropharmacology** 1986 Aug;25(8):943–5

Functional recovery of D1 dopamine receptor–mediated stimulation of rat striatal adenylate cyclase activity following irreversible receptor modification by N–ethoxycarbonyl–2–ethoxy–1,2–dihydroquinoline (EEDQ): evidence for spare receptors. Battaglia G, et al. **Neurosci Lett** 1986 Sep 12;69(3):290–5

Regional effect of estradiol on rat caudate–putamen dopamine receptors: lateral–medial differences. Falardeau P, et al. **Neurosci Lett** 1987 Feb 10;74(1):43–8

Supersensitivity of striatal D2 dopamine receptors mediating inhibition of adenylate cyclase and stimulation of guanosine triphosphatase following chronic administration of haloperidol in mice. Olianas MC, et al. **Neurosci Lett** 1987 Aug 5;78(3):349–54

Cerebral decortication reverses the effect of amphetamine on striatal D2 dopamine binding site density. Robertson HA. **Neurosci Lett** 1986 Dec 23;72(3):325–9

HR 375: a potential antipsychotic drug that interacts with dopamine D2 receptors and sigma–receptors in the brain. Su TP. **Neurosci Lett** 1986 Nov 11;71(2):224–8

Reserpine–induced up–regulation of dopamine D2 receptors in the rat striatum is enhanced by denervation but not by chronic receptor blockade. Traub M, et al. **Neurosci Lett** 1986 Oct 8;70(2):245–9

Behavioural role of dopamine D1 receptors in the reserpine–treated mouse. Starr BS, et al. **Neuroscience** 1987 Jul;22(1):179–88

In morphinised rats SKF 38393 converts dopamine D2 receptor–mediated forward locomotion into backward walking. Axon DI, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):45–7

A dietary haloperidol regimen for inducing dopamine receptor supersensitivity in rats. Frey JM, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):661–9

Prevention of fluphenazine–induced changes in dopaminergic and muscarinic receptors by lithium. Gianutsos G, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):635–7

Effects of the dopamine D–1 antagonist SCH 23390 and the D–2 antagonist sulpiride on saline acceptance–rejection in water–deprived rats. Gilbert DB, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):687–91

Effects of the dopamine D–2 receptor agonist, LY 171555, on radial arm maze performance in rats. Levin ED, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1117–9

Affinity for the dopamine D2 receptor predicts neuroleptic potency in decreasing the speed of an internal clock. Meck WH. **Pharmacol Biochem Behav** 1986 Dec;25(6):1185–9

Effects of neuroleptic drugs on the inhibition of exploratory behaviour induced by a low dose of apomorphine: implications for the identity of dopamine receptors. Ståhle L, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):473–80

Dopamine autoreceptor antagonists: effects on sleep–wake activity in the rat. Svensson K, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):123–9

Changes in motor activities induced by microinjections of the selective dopamine agonists LY 171555, quinpirole hydrochloride, and SK&F 38393 into the habenula nucleus. Thornton EW, et al. **Pharmacol Biochem Behav** 1987 Mar; 26(3):643–6

The effects of a long term dihydroergotoxine treatment on agonist and antagonist striatal dopamine binding sites are dose and age related. Ferretti C, et al. **Pharmacol Res Commun** 1986 Oct;18(10):967–78

Alterations in peripheral and central dopamine receptor sensitivity after subchronic treatment with fluphenazine and sulpiride. Hietala J, et al. **Pharmacol Toxicol** 1987 Jul; 61(1):48–52

Effects of the dopamine D2 selective receptor antagonist remoxipride on dopamine turnover in the rat brain after acute and repeated administration. Magnusson O, et al. **Pharmacol Toxicol** 1987 May;60(5):368–73

Neuroleptic profile of cipazoxapine (Savoxepine), a new tetracyclic dopamine antagonist: clinical validation of the hippocampus versus striatum ratio model of dopamine receptors in animals. A preliminary report. Butler B, et al. **Pharmacopsychiatry** 1987 May;20(3):122–6

Involvement of a dopaminergic mechanism in the response of growth hormone to thyrotropin releasing hormone in patients with major depression. Marchesi C, et al. **Pharmacopsychiatry** 1987 Mar;20(2):64–6

Action of fibrinopeptides A and B on the central dopaminergic system of rats pretreated with indomethacin. Swiderska D, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb; 38(1):21–8

Participation of prostaglandins E2 and F2 alpha in the action of fibrinopeptides A and B on the central dopaminergic system. Swiderska D, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):29–39

Ascorbic acid reduces accumulation of [3H]spiperone in mouse striatum in vivo. Dorris RL. **Proc Soc Exp Biol Med** 1987 Oct;186(1):13–6

The effects of D1 and D2 receptor antagonists on pain sensitivity and morphine analgesia in the rat. Lubischer JL, et al. **Proc West Pharmacol Soc** 1987;30:229–32

Cardiovascular effects of centrally administered dopamine agonists and clonidine in the rat. McClelland DL, et al. **Proc West Pharmacol Soc** 1987;30:243–7

A simple method for the study of yawning in man induced by the dopamine receptor agonist, apomorphine. Lal S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):223–8

Cholecystokinin–induced inhibition of dopamine neurotransmission: comparison with chronic haloperidol treatment. Lane RF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):291–9

Lack of effect of dopamine receptor blockade on the TSH response to TRH in borderline personality disorder. Garbutt JC, et al. **Psychiatry Res** 1987 Aug;21(4):307–11

Genotypic influences on pituitary responsiveness to haloperidol in mice. Morgan DG, et al. **Psychoneuroendocrinology** 1987;12(3):211–8

Supersensitivity psychosis and tardive dyskinesia: a survey in schizophrenic outpatients. Chouinard G, et al. **Psychopharmacol Bull** 1986;22(3):891–6

Basic and clinical studies of neuroleptic–induced supersensitivity psychosis and dyskinesia. Diamond BI, et al. **Psychopharmacol Bull** 1986;22(3):900–5

Biochemical and behavioral studies of D1 dopamine receptors utilizing SCH 23390. Hess EJ, et al. **Psychopharmacol Bull** 1986;22(3):605–12

Multiple forms of the D1 dopamine receptor: its linkage to adenylate cyclase and psychopharmacological effects. Mailman RB, et al. **Psychopharmacol Bull** 1986;22(3):593–8

Structural analogs of SCH 23390 as discriminators of dopamine receptor subtypes: behavioral interactions between D–1 and D–2 agonists and antagonists. O'Boyle KM, et al. **Psychopharmacol Bull** 1986;22(3):599–604

Acute exacerbation of methamphetamine psychosis and lasting dopaminergic supersensitivity—a clinical survey. Sato M. **Psychopharmacol Bull** 1986;22(3):751–6

Effect of selective D1 and D2 dopamine receptor antagonists and agonists in Cebus monkeys: implications for acute and tardive dyskinesias. A preliminary report. Gerlach J, et al. **Psychopharmacol Ser** 1987;3:236–42

Differential regulation of dopamine–D2 and serotonin–S2 receptors by chronic treatment with the serotonin–S2 antagonists, ritanserin, and setoperone. Leysen JE, et al. **Psychopharmacol Ser** 1987;3:214–24

Activation of forebrain dopamine systems by phencyclidine and footshock stress: evidence for distinct mechanisms. Bowers MB Jr, et al. **Psychopharmacology (Berlin)** 1987; 93(1):133–5

Blockade of dopamine receptors explains the lack of 5–HT stereotypy on treatment with the putative 5–HT1A agonist LY165163. Donohoe TP, et al. **Psychopharmacology (Berlin)** 1987;93(1):82–6

L–dopa causes an acute, partial and reversible reversal of denervation–induced supersensitivity of striatal dopaminergic receptors. Ferre S, et al. **Psychopharmacology (Berlin)** 1987;91(2):254–6

Effects of D2–dopaminergic receptor stimulation on the lordotic response of female rats. Foreman MM, et al. **Psychopharmacology (Berlin)** 1987;91(1):96–100

The effects of some polyamines on putative behavioural indices of mesolimbic versus striatal dopaminergic function. Hirsch SR, et al. **Psychopharmacology (Berlin)** 1987; 93(1):101–4

Anxiolytic–like action of the 3–PPP enantiomers in the Vogel conflict paradigm. Hjorth S, et al. **Psychopharmacology (Berlin)** 1987;92(3):371–5

Bromocriptine induces marked locomotor stimulation in dopamine–depleted mice when D–1 dopamine receptors are stimulated with SKF38393. Jackson DM, et al. **Psychopharmacology (Berlin)** 1986;90(1):147–9

Conditioning of pre– and post–synaptic behavioural responses to the dopamine receptor agonist apomorphine in rats. Möller HG, et al. **Psychopharmacology (Berlin)** 1987; 91(1):50–5

The selective dopamine D2 receptor antagonist raclopride discriminates between dopamine–mediated motor functions. Ogren SO, et al. **Psychopharmacology (Berlin)** 1986;90(3):287–94

Yawning is elicited by D2 dopamine agonists but is blocked by the D1 antagonist, SCH 23390. Serra G, et al. **Psychopharmacology (Berlin)** 1987;91(3):330–3

On the mode of action of six putative dopamine receptor agonists on suppression of exploratory behaviour in rats. Ståhle L, et al. **Psychopharmacology (Berlin)** 1987; 91(2):139–46

Discriminative stimulus effects of a low dose of apomorphine in the rat. Tang AH, et al. **Psychopharmacology (Berlin)** 1987;91(1):61–6

Differential effects of fluphenazine–N–mustard, on calmodulin activity and on D1 and D2 dopaminergic responses. Winkler JD, et al. **Psychopharmacology (Berlin)** 1987;92(3):285–91

Different effects of enantiomers of tetrahydropalmatine on dopaminergic system. Jin GZ, et al. **Sci Sin [B]** 1986 Oct; 29(10):1054–64

Tetrahydroprotoberberine—a new chemical type of antagonist of dopamine receptors. Jin GZ, et al. **Sci Sin [B]** 1986 May;29(5):527–34

Effect of repeated administration of manganese on the striatal cholinergic and dopaminergic receptors in the rat. Bhargava HN. **Toxicol Lett** 1987 Jul;37(2):135–41

Chronic lead exposure alters dopaminergic mechanisms in rat pituitary. Lucchi L, et al. **Toxicol Lett** 1986 Sep; 32(3):255–60

Delayed development of reproductive functions and alteration of dopamine receptor binding in hypothalamus of rats exposed prenatally to phenytoin and phenobarbital. Takagi S, et al. **Toxicol Lett** 1986 Nov;34(1):107–13

[The dopamine receptor. Target of various diseases] Herschel M. **Fortschr Med** 1987 Feb 20;105(5):86–8 (Eng. Abstr.) **(Ger)**

[Increased activity of sympatho–adrenomedullary system and decreased renal dopamine receptor content after short–term and long–term sodium loading in rats] Shigetomi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jul 20;62(7):776–83 (Eng. Abstr.) **(Jpn)**

[Behavioral pharmacological investigation and clinical consideration of the inhibitory potencies of psychotropic drugs against the D–1 and D–2 dopamine receptors] Kazawa T. **Yakubutsu Seishin Kodo** 1986 Sep;6(3):327–37 (Eng. Abstr.) **(Jpn)**

[Effect of stimulation of dopamine and histamine receptors on spontaneous lymphocyte adhesion in vitro] Kharkevich DD. **Biull Eksp Biol Med** 1987 Jun;103(6):703–5 (Eng. Abstr.) **(Rus)**

[Functional state of the hypophysis and ovaries of rats with anovulatory syndrome during pharmacologic stimulation of dopaminergic receptors] Reznikov AG, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):335–7 (Eng. Abstr.) **(Rus)**

[Stimulation of the central dopaminergic receptor in essential hypertensive patients using amantadine] Zaldivar HM, et al. **Arch Inst Cardiol Mex** 1987 Jan–Feb;57(1):9–17 (Eng. Abstr.) **(Spa)**

GENETICS

Note on an abnormality of the operator for the structural gene of the dopamine D1 receptor as a possible partial cause of schizophrenia. Wassermann GD. **J Theor Biol** 1986 Jun 7;120(3):277–83

IMMUNOLOGY

Attempts to obtain anti(D2 dopamine receptor) antibodies via the anti–idiotypic route. Abbott WM, et al. **Biochem J** 1986 Sep 15;238(3):817–23

ISOLATION & PURIFICATION

Characterization of dopamine D–1 and D–2 receptors. Hyttel J, et al. **Adv Exp Med Biol** 1986;204:15–28 (72 ref.)

Solubilization of dopamine D2 receptors with a zwitterionic detergent DCHAPS. Solkić V, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4229–36

Dopamine D2 receptors photolabelled by [3H]azido–methylspiperone. Seeman P, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):297–9

Solubilization and characterization of D2–dopamine receptors in an estrone–induced, prolactin–secreting rat pituitary adenoma. Bouvier C, et al. **J Neurochem** 1986 Nov;47(5):1653–60

METABOLISM

Positron emission tomography (PET) in the study of dopamine receptors in the primate brain: evaluation of a kinetic model using 11C–N–methyl–spiperone. Eckernäs SA, et al. **Acta Neurol Scand** 1987 Mar;75(3):168–78

Dopamine receptor properties in Parkinson's disease and Huntington's chorea evaluated by positron emission tomography using 11C–N–methyl–spiperone. Hägglund J, et al. **Acta Neurol Scand** 1987 Feb;75(2):87–94

The dopamine D1 receptor: biochemical and behavioral aspects. Andersen PH, et al. **Adv Exp Med Biol** 1986; 204:73–91 (55 ref.)

Quantitative autoradiographic localization of central dopamine D–1 and D–2 receptors. Dawson TM, et al. **Adv Exp Med Biol** 1986;204:93–118 (126 ref.)

Dopamine D2 receptor density in parkinsonian brain is constant for duration of disease, age, and duration of L–dopa therapy. Guttman M, et al. **Adv Neurol** 1987; 45:51–7

Regional kinetics of [11C]methylspiperone in the brain studied by positron emission tomography in patients with Parkinson's disease. Hägglund J, et al. **Adv Neurol** 1987; 45:99–101

Dopamine receptor function in Parkinson's disease—in vivo studies with prolactin responses. Laihinen A, et al. **Adv Neurol** 1987;45:249–52

Dopamine receptor elevation in denervated tissues [letter] Seeman P, et al. **Ann Neurol** 1987 Apr;21(4):412–5

Ascorbic acid, redox cycling, lipid peroxidation, and the binding of dopamine receptor antagonists. Heikkila RE, et al. **Ann NY Acad Sci** 1987;498:63–76

Dopamine receptors on isolated membranes of rat thymocytes. Ovadia H, et al. **Ann NY Acad Sci** 1987; 496:211–6

3H-spiroperidol binding sites in blood platelets. Khanna AS, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):983–8

Dopamine agonist high-affinity state in solubilized D2 receptors in striatum, but not in anterior pituitary. Dumbrille-Ross A, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2095–9

Hypophysectomy may non-selectively alter pharmacokinetic parameters to enhance the ability of haloperidol to increase striatal dopamine receptor density in the rat. Simpson MD, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3501–6

Sulfhydryl group(s) in the ligand binding site of the D-1 dopamine receptor: specific protection by agonist and antagonist. Sidhu A, et al. **Biochemistry** 1986 Oct 21; 25(21):6695–701

Reconstitution of affinity-purified dopamine D2 receptor binding activities by specific lipids. Srivastava LK, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):175–82

Dopamine D1 receptor in rat brain: a quantitative autoradiographic study with 125I-SCH 23982. Aiso M, et al. **Brain Res** 1987 Apr 7;408(1-2):281–5

Topography of substantia nigra innervation by D1 receptor-containing striatal neurons. Altar CA, et al. **Brain Res** 1987 Apr 28;410(1):1–11

Presynaptic and postsynaptic D1 dopamine receptors in the nigrostriatal system of the rat brain: a quantitative autoradiographic study using the selective D1 antagonist [3H]SCH 23390. Filloux FM, et al. **Brain Res** 1987 Apr 7;408(1-2):205–9

Hemiparkinsonism in a monkey after unilateral internal carotid artery infusion of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) is associated with regional ipsilateral changes in striatal dopamine D-2 receptor density. Joyce JN, et al. **Brain Res** 1986 Sep 24;382(2):360–4

[3H]spiperone binds selectively to rat striatal D2 dopamine receptors in vivo: a kinetic and pharmacological analysis. Leslie CA, et al. **Brain Res** 1987 Mar 31;407(2):253–62

Striatal D1- and D2-dopamine receptor sites are separately detectable in vivo. Leslie CA, et al. **Brain Res** 1987 Jul 7;415(1):90–7

A mosaic-like distribution of dopamine receptors in rat neostriatum and its relationship to striosomes. Loopuijt LD, et al. **Brain Res** 1987 Mar 10;405(2):405–8

Properties of D2 dopamine receptor autoradiography: high percentage of high-affinity agonist sites and increased nucleotide sensitivity in tissue sections. Richfield EK, et al. **Brain Res** 1986 Sep 24;383(1-2):121–8

Muscarinic and dopaminergic receptors in the aging human brain. Rinne JO. **Brain Res** 1987 Feb 24;404(1-2):162–8

Chemotherapeutic agents do not interact with neurotransmitter receptors. Peroutka SJ. **Cancer Chemother Pharmacol** 1987;19(2):131–2

Non-functioning pituitary adenomas do not regress during bromocriptine therapy but possess membrane-bound dopamine receptors which bind bromocriptine. Bevan JS, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):561–72

Biochemical characteristics of D1 dopamine receptors: relationship to behavior and schizophrenia. Creese I, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:14–6

Compounds with selectivity for dopamine autoreceptors: effects on prolactin secretion in male and female rats. Eriksson E, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:226–8

Evidence for dopamine receptor-mediated inhibition of prolactin cell function in the female Syrian hamster. Orstead KM, et al. **Endocr Res** 1987;13(2):143–56

D-1 dopamine receptor changes after striatal quinolinic acid lesion. Barone P, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):141–5

D-2 dopamine receptor synthesis and turnover in rat striatum. Fukuchi I, et al. **Eur J Pharmacol** 1986 Aug 15; 127(3):291–4

Binding of [3H]SCH 23390 to dopamine D-1 receptors in rat retina in vitro. Gredal O, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):241–5

[76Br]bromolisuride: a new tool for quantitative in vivo imaging of D-2 dopamine receptors. Maziere B, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):239–47

6-Hydroxydopamine lesions reduce specific [3H]sulpiride binding in the rat substantia nigra: direct evidence for the existence of nigral D-2 autoreceptors. Morelli M, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):99–104

The dopamine autoreceptor agonist B-HT 920 inhibits in vivo dopamine release into the cerebroventricular system of cats. Pichler L, et al. **Eur J Pharmacol** 1987 Mar 17; 135(2):239–42

In vitro binding of the very potent and selective D-2 dopamine agonist, [3H]N-0437 to calf caudate membranes. Van der Weide J, et al. **Eur J Pharmacol** 1987 Feb 10; 134(2):211–9

D-1 dopamine receptor stimulation enables the inhibition of nucleus accumbens neurons by a D-2 receptor agonist. White FJ. **Eur J Pharmacol** 1987 Mar 3;135(1):101–5

Photoaffinity labelling of dopamine D2 receptors by [3H]azidomethylspiperone. Niznik HB, et al. **FEBS Lett** 1986 Dec 1;209(1):71–6

Effect of dihydroergocryptine and dihydroergocristine on cyclic AMP accumulation and prolactin release in vitro: evidence for a dopaminomimetic action. Fiore L, et al. **Horm Res** 1987;25(3):171–7

Stereotyped behaviour and striatal dopamine receptors in albino rat and the desert rat (Mastomys natalensis): a comparative study. Gulati A, et al. **Indian J Exp Biol** 1986 Apr;24(4):248–51

Synthesis of [11C]SCH 23390 for dopamine D1 receptor studies. DeJesus OT, et al. **Int J Rad Appl Instrum [A]** 1987;38(5):345–8

Preparation of 11C-labelled SCH 23390 for the in vivo study of dopamine D-1 receptors using positron emission tomography. Halldin C, et al. **Int J Rad Appl Instrum [A]** 1986;37(10):1039–43

Syntheses and D2 receptor affinities of derivatives of spiperone containing aliphatic halogens. Kiesewetter DO, et al. **Int J Rad Appl Instrum [A]** 1986;37(12):1181–8

No-carrier-added 3-(2'-[18F]fluoroethyl)spiperone, a new dopamine receptor-binding tracer for positron emission tomography. Satyamurthy N, et al. **Int J Rad Appl Instrum [B]** 1986;13(6):617–24

Biodistribution of N-alkyl and N-fluoroalkyl derivatives of spiroperidol; radiopharmaceuticals for PET studies of dopamine receptors. Welch MJ, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):523–6

The D2-dopamine receptor of anterior pituitary is functionally associated with a pertussis toxin-sensitive guanine nucleotide binding protein. Senogles SE, et al. **J Biol Chem** 1987 Apr 5;262(10):4860–7

Indolizidine and quinolizidine derivatives of the dopamine autoreceptor agonist 3-(3-hydroxyphenyl)-N-n-propylpiperidine (3-PPP). Bøgesø KP, et al. **J Med Chem** 1987 Jan;30(1):142–50

Dopamine autoreceptor agonists: resolution and pharmacological activity of 2,6-diaminotetrahydrobenzothiazole and an aminothiazole analogue of apomorphine. Schneider CS, et al. **J Med Chem** 1987 Mar;30(3):494–8

Synthesis, conformation, and dopaminergic activity of 5,6-ethano-bridged derivatives of selective dopaminergic 3-benzazepines. Weinstock J, et al. **J Med Chem** 1987 Aug; 30(8):1303–8

Inhibition of SKF 38393- and pergolide-induced circling in rats with unilateral 6-OHDA lesion is correlated to dopamine D-1 and D-2 receptor affinities in vitro. Arnt J, et al. **J Neural Transm** 1986;67(3-4):225–40

Characterization of binding of 3H-SCH 23390 to dopamine D-1 receptors. Correlation to other D-1 and D-2 measures and effect of selective lesions. Hyttel J, et al. **J Neural Transm** 1987;68(3-4):171–89

Binding of (+)PHNO and other D2-dopamine agonists to D1-dopamine receptors labelled by [3H]SCH 23390. Pettibone DJ, et al. **J Neural Transm** 1987;69(1-2):147–51

Repeated imipramine enhances sensitivity of the brain dopaminergic system related to exploratory behavior. Smiałowski A. **J Neural Transm** 1987;69(3-4):201–9

Evidence for different states of the dopamine D1 receptor: clozapine and fluperlapine may preferentially label an adenylate cyclase-coupled state of the D1 receptor. Andersen PH, et al. **J Neurochem** 1986 Dec;47(6):1822–31

Dopamine D-1 receptor and cyclic AMP-dependent phosphorylation in Parkinson's disease. Cash R, et al. **J Neurochem** 1987 Oct;49(4):1075–83

Activation of dopamine receptors does not affect phosphoinositide turnover in NCB-20 cells. Cubitt AB, et al. **J Neurochem** 1987 Jul;49(1):183–8

In situ molecular size of agonist dopamine D-2 binding sites in rat striatum. Gredal O, et al. **J Neurochem** 1987 Feb; 48(2):364–9

Binding of [3H]SKF 38393 to dopamine D-1 receptors in rat striatum in vitro; estimation of receptor molecular size by radiation inactivation. Gredal O, et al. **J Neurochem** 1987 Feb;48(2):370–5

[3H]GBR-12935 binding to the dopamine transporter is decreased in the caudate nucleus in Parkinson's disease. Janowsky A, et al. **J Neurochem** 1987 Aug;49(2):617–21

Characterization of high-affinity dopamine D2 receptors and modulation of affinity states by guanine nucleotides in cholate-solubilized bovine striatal preparations. Kazmi SM, et al. **J Neurochem** 1986 Nov;47(5):1493–502

Specific inhibition of dopamine D-1-mediated cyclic AMP formation by dopamine D-2, muscarinic cholinergic, and opiate receptor stimulation in rat striatal slices. Kelly E, et al. **J Neurochem** 1986 Nov;47(5):1512–6

Relationship between dopamine receptor occupation by spiperone and acetylcholine levels in the rat striatum after long-term haloperidol treatment depends on dopamine innervation. Korf J, et al. **J Neurochem** 1987 Feb; 48(2):516–21

Kinetic modeling of receptor-ligand binding applied to positron emission tomographic studies with neuroleptic tracers. Logan J, et al. **J Neurochem** 1987 Jan;48(1):73–83

D2 dopamine receptors on bovine chromaffin cell membranes: identification and characterization by [3H]N-methylspiperone binding. Lyon RA, et al. **J Neurochem** 1987 Feb;48(2):631–5

Is dopamine-induced inhibition of adenylate cyclase involved in the autoreceptor-mediated negative control of tyrosine hydroxylase in striatal dopaminergic terminals? el Mestikawy S, et al. **J Neurochem** 1986 Nov;47(5):1425–33

[3H]SCH 23390 binding to human putamen D-1 dopamine receptors: stereochemical and structure-affinity relationships among 1-phenyl-1H-3-benzazepine derivatives as a guide to D-1 receptor topography. O'Boyle KM, et al. **J Neurochem** 1987 Apr;48(4):1039–42

Picomolar affinity of 125I-SCH 23982 for D1 receptors in brain demonstrated with digital subtraction autoradiography. Altar CA, et al. **J Neurosci** 1987 Jan; 7(1):213–22

3H-3-N-methylspiperone labels D2 dopamine receptors in basal ganglia and S2 serotonin receptors in cerebral cortex. Lyon RA, et al. **J Neurosci** 1986 Oct;6(10):2941–9

Differential recovery rates of rat D2 dopamine receptors as a function of aging and chronic reserpine treatment following irreversible modification: a key to receptor regulatory mechanisms. Norman AB, et al. **J Neurosci** 1987 May;7(5):1484–91

Selective D1 and D2 dopamine agonists differentially alter basal ganglia glucose utilization in rats with unilateral 6-hydroxydopamine substantia nigra lesions. Trugman JM, et al. **J Neurosci** 1987 Sep;7(9):2927–35

Monoclonal antibodies to a brain dopamine binding protein: production, specificity, and immunohistochemistry. Hsu LL, et al. **J Neurosci Res** 1987;17(4):417–23

Improved delineation of human dopamine receptors using [18F]-N-methylspiroperidol and PET. Arnett CD, et al. **J Nucl Med** 1986 Dec;27(12):1878–82

Dissociation of receptor sensitivity changes in rat perifornical hypothalamus: a role for dopaminergic receptors in amphetamine anorexic tolerance. Bhakthavatsalam P, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):196–202

6-hydroxydopamine treatments enhance behavioral responses to intracerebral microinjection of D1- and D2-dopamine agonists into nucleus accumbens and striatum without changing dopamine antagonist binding. Breese GR, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):167–76

Discriminative stimulus properties of lisuride revisited: involvement of dopamine D2 receptors. Cunningham KA, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):147–51

Robust modulation of [3H]dopamine release from rat striatal slices by D-2 dopamine receptors. Dwoskin LP, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):442–53

Modification of the development of acute opiate tolerance by increased dopamine receptor sensitivity. Martin JR, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):48–55

Regulation of striatal enkephalin turnover in rats receiving antagonists of specific dopamine receptor subtypes. Mocchetti I, et al. **J Pharmacol Exp Ther** 1987 Jun; 241(3):1120–4

Effect of dopamine receptor activation on ganglionic transmission and cyclic AMP levels in the stellate ganglia and renal arteries of the dog. Sabouni MH, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):93–8

Dopamine1 receptor agonist and alpha-2 adrenoceptor antagonist effects of fenoldopam in rabbits. Szabo B, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):881–6

Dopaminergic and benzodiazepine receptors studied in vivo by PET. Hantraye P, et al. **J Physiol (Paris)** 1986; 81(4):278–82

3-N-(2-[18F]-fluoroethyl)-spiperone: a novel ligand for cerebral dopamine receptor studies with pet. Coenen HH, et al. **Life Sci** 1987 Jan 5;40(1):81–8

In vivo potencies of antipsychotic drugs in blocking alpha 1 noradrenergic and dopamine D2 receptors: implications for drug mechanisms of action. Cohen BM, et al. **Life Sci** 1986 Dec 29;39(26):2571–80

In vivo binding of 3H-N-methylspiperone to dopamine and serotonin receptors. Frost JJ, et al. **Life Sci** 1987 Mar 9; 40(10):987–95

Dopamine receptor subtype imbalance in schizophrenia. Hess EJ, et al. **Life Sci** 1987 Apr 13;40(15):1487–97

Persisting subsensitivity of the striatal dopamine system after fetal exposure to beta-endorphin. Sandman CA, et al. **Life Sci** 1986 Nov 10;39(19):1755–63

Antipsychotic drugs: prediction of side-effect profiles based on neuroreceptor data derived from human brain tissue. Black JL, et al. **Mayo Clin Proc** 1987 May;62(5):369–72

Variations in age-related decline in striatal D2-dopamine receptors in a variety of mouse strains. Leprohon-Greenwood CE, et al. **Mech Ageing Dev** 1987 Apr;38(2):199–206

Relationship between receptor occupancy and response at striatal dopamine autoreceptors. Meller E, et al. **Mol Pharmacol** 1987 Jun;31(6):592–8

A single GTP-binding protein regulates K+-channels coupled with dopamine, histamine and acetylcholine receptors. Sasaki K, et al. **Nature** 1987 Jan 15-21; 325(6101):259–62

Localization of D-2 dopamine receptors to intrinsic striatal neurones by quantitative autoradiography. Trugman JM, et al. **Nature** 1986 Sep 18-24;323(6085):267–9

Comparison between radiolabelled and endogenous dopamine release from rat striatal slices: effects of electrical field stimulation and regulation by D2-autoreceptors. Herdon H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):238–42

Binding of 3H-spiperone and 3H-(-)-sulpiride to dopamine D2 receptors in rat striatal membranes: methodological considerations and demonstration of the identical nature of the binding sites for the two ligands. Urwyler S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb;

335(2):115–22
Effects of cations on high-affinity binding of 3H-ADTN to dopaminergic sites in calf caudate tissue. Lamont JS, et al. **Neuropharmacology** 1987 Jun;26(6):637–9
In vitro characterisation of dopamine receptors in the superior colliculus of the rat. Weller ME, et al. **Neuropharmacology** 1987 Apr;26(4):347–54
Relative affinities for different classes of neurotransmitter receptors predict neuroleptic efficacy in infantile autism: a hypothesis. Deutsch SI, et al. **Neuropsychobiology** 1986; 15(3–4):160–4
Dopamine receptors mediating the stimulation and the inhibition of adenylate cyclase in rat prostate gland. Amenta D, et al. **Neurosci Lett** 1987 Jun 1;77(1):66–70
Striatal adenylate cyclase-inhibiting dopamine D2 receptors are not affected by the aging process. Missale C, et al. **Neurosci Lett** 1987 Mar 20;75(1):38–42
Denervation supersensitivity of striatal D2 dopamine receptors is restricted to the ventro- and dorsolateral regions of the striatum. Savasta M, et al. **Neurosci Lett** 1987 Feb 24;74(2):180–6
Different neuronal location of [3H]SCH 23390 binding sites in pars reticulata and pars compacta of the substantia nigra in the rat. Savasta M, et al. **Neurosci Lett** 1986 Dec 23; 72(3):265–71
Dopamine D2 receptors are restricted to the prolactin cells in the rabbit pituitary gland: a combined autoradiographic and immunocytochemical study. Schimchowitsch S, et al. **Neurosci Lett** 1986 Oct 20;70(3):314–9
A detailed mapping of dopamine D-2 receptors in rat central nervous system by autoradiography with [125I]iodosulpride. Bouthenet ML, et al. **Neuroscience** 1987 Jan;20(1):117–55
Thalamic control of dopaminergic functions in the caudate-putamen of the rat—III. The effects of lesions in the parafascicular-intralaminar nuclei on D2 dopamine receptors and high affinity dopamine uptake. Kilpatrick IC, et al. **Neuroscience** 1986 Nov;19(3):991–1005
Dopamine and opiate receptors: localization in the striatum and evidence for their axoplasmic transport in the nigrostriatal and striatonigral pathways. Van der Kooy D, et al. **Neuroscience** 1986 Sep;19(1):139–46
Modulation of dopamine receptors by thyrotropin-releasing hormone in the rat brain. Funatsu KS, et al. **Peptides** 1987 Mar–Apr;8(2):319–25
Comparison of 3H-spiperone binding in caudate nuclei of rabbits and rats. Hernandez LL, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):253–8
Effects of repeated tiapride administration on anterior pituitary dopamine receptors and prolactin release in the rat. Apud JA, et al. **Pharmacol Res Commun** 1987 Feb; 19(2):119–29
Evidence that dopamine receptors identified by [3H]dopamine in the ventricles of guinea-pig heart are of DA2 type. Sandrini M, et al. **Pharmacol Res Commun** 1986 Dec;18(12):1151–7
Target size of dopamine D-1 receptors in rat corpus striatum estimated by binding of the benzazepine 3H-SCH 23390. Gredal O, et al. **Pharmacol Toxicol** 1987 Apr;60(4):255–7
Effects of chronic neuroleptic treatment on agonist affinity states of the dopamine-D2 receptor in the rat brain. Hall H, et al. **Pharmacol Toxicol** 1987 May;60(5):359–63
The striatal dopaminergic system as a model for modulation of altered neurotransmitter action during aging: effects of dietary and neuroendocrine manipulations. Roth GS, et al. **Prog Brain Res** 1986;70:473–84 (69 ref.)
Conditional tolerance to haloperidol-induced catalepsy is not caused by striatal dopamine receptor supersensitivity. de Graaf CJ, et al. **Psychopharmacology (Berlin)** 1986; 90(1):54–7
PET analysis of human dopamine receptor subtypes using 11C-SCH 23390 and 11C-raclopride. Farde L, et al. **Psychopharmacology (Berlin)** 1987;92(3):278–84
Endurance training effects on striatal D2 dopamine receptor binding and striatal dopamine metabolites in presenescent older rats. MacRae PG, et al. **Psychopharmacology (Berlin)** 1987;92(2):236–40
Modification of the radioreceptor assay technique for estimation of serum neuroleptic drug levels leads to improved precision and sensitivity. Rao ML. **Psychopharmacology (Berlin)** 1986;90(4):548–53
Dopamine autoreceptors in the ventral tegmental area show subsensitivity following withdrawal from chronic antidepressant drug treatment. Towell A, et al. **Psychopharmacology (Berlin)** 1986;90(1):64–71
Involvement of septal and striatal dopamine D-2 receptors in yawning behavior in rats. Yamada K, et al. **Psychopharmacology (Berlin)** 1986;90(1):9–13
Cocaine receptors on dopamine transporters are related to self-administration of cocaine. Ritz MC, et al. **Science** 1987 Sep 4;237(4819):1219–23
Positron emission tomography reveals elevated D2 dopamine receptors in drug-naive schizophrenics [published erratum appears in Science 1987 Feb 6;235(4789):623] Wong DF, et al. **Science** 1986 Dec 19;234(4783):1558–63
[Synthesis and binding characteristics of an artificial receptor for biogenic amines] Schmidtchen FP. **Z Naturforsch [C]** 1987 Apr;42(4):476–85 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Interaction of D1 and D2 dopamine receptors in the expression of dopamine agonist induced behaviors. Braun AR, et al. **Adv Exp Med Biol** 1986;204:151–66
Neurobiology of D1 dopamine receptors after neonatal-6-OHDA treatment: relevance to Lesch-Nyhan disease. Breese GR, et al. **Adv Exp Med Biol** 1986; 204:197–215 (55 ref.)
The pathophysiological functions mediated by D1 dopamine receptors. Goldstein M, et al. **Adv Exp Med Biol** 1986; 204:189–95
Control of dopamine release by dopamine receptors and by impulse flow as studied by in vivo voltammetry. Gonon FG. **Ann NY Acad Sci** 1986;473:160–9
Effect of metoclopramide treatment on thyrotropin and prolactin levels in sick neonates. Ruppert F, et al. **Biol Neonate** 1986;50(3):141–6
Asymmetric rotational (circling) behavior, a dopamine-related asymmetry: preliminary findings in unmedicated and never-medicated schizophrenic patients. Bracha HS. **Biol Psychiatry** 1987 Aug;22(8):995–1003
Dopamine receptor-mediated spinal antinociception in the normal and haloperidol pretreated rat: effects of sulpiride and SCH 23390. Barasi S, et al. **Br J Pharmacol** 1987 Jan; 90(1):15–22
D2-dopamine receptor-mediated inhibition of intracellular Ca2+ mobilization and release of acetylcholine from guinea-pig neostriatal slices. Fujiwara H, et al. **Br J Pharmacol** 1987 Jun;91(2):287–97
Dopamine released from nerve terminals activates prejunctional dopamine receptors in dog mesenteric arterial vessels. Soares-da-Silva P. **Br J Pharmacol** 1987 Jul; 91(3):591–9
Stimulation of both D1 and D2 dopamine receptors appears necessary for full expression of postsynaptic effects of dopamine agonists: a neurophysiological study. Carlson JH, et al. **Brain Res** 1987 Jan 6;400(2):205–18
Enhanced response to the inhibitory action of LY171555, a dopamine D2-agonist, on in vivo striatal dopamine release in DOCA/NaCl-hypertensive rats. Chen YF, et al. **Brain Res** 1987 Jan 6;400(2):225–31
D1-dopamine receptor activation mediates [3H]acetylcholine release from rabbit retina. Hensler JG, et al. **Brain Res** 1986 Nov 29;398(2):407–12
Dopamine antagonists reduce spontaneous electrical activity in cultured mammalian neurons from ventral mesencephalon. Heyer EJ. **Brain Res** 1986 Sep 24; 382(2):404–8
Binding sites for [3H]SCH 23390 in retina: properties and possible relationship to dopamine D1-receptors mediating stimulation of adenylate cyclase. Makman MH, et al. **Brain Res** 1986 Dec;387(3):261–70
Modulation of cholecystokinin release from posterior nucleus accumbens by D-2 dopamine receptor. Martin JR, et al. **Brain Res** 1986 Nov 12;397(2):253–8
D2-dopamine receptors regulate the release of [3H]dopamine in rat basal hypothalamus and neurointermediate lobe of the pituitary gland. Plantjé JF, et al. **Brain Res** 1987 Jun 16;413(2):205–12
Effects of D1 and D2 dopamine receptor stimulation on the activity of substantia nigra pars reticulata neurons in 6-hydroxydopamine lesioned rats: D1/D2 coactivation induces potentiated responses. Weick BG, et al. **Brain Res** 1987 Mar 10;405(2):234–46
The effects of electroconvulsive therapy and antidepressant drugs on monoamine receptors in rodent brain—similarities and differences. Green AR, et al. **Ciba Found Symp** 1986; 123:246–67
Endogenous renal dopamine and control of blood pressure. Bell C. **Clin Exp Hypertens [A]** 1987;9(5–6):955–75 (104 ref.)
Dopamine receptor subtypes and hypertension. Goldberg LI. **Clin Exp Hypertens [A]** 1987;9(5–6):833–6
Presynaptic dopamine receptors in the cardiovascular system. Langer SZ, et al. **Clin Exp Hypertens [A]** 1987; 9(5–6):837–51
Behavioural differentiation between effects elicited at dopamine D-1 and D-2 receptors in rats. Arnt J, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:17–9
D-1/D-2 dopamine receptor interactions in the regulation of extrapyramidal motor function: studies in animal models and parkinsonian patients. Barone P, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:128–30
D-1 and D-2 receptor manipulation in Cebus monkeys: implication for extrapyramidal syndromes in humans. Gerlach J, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:131–3
Motor consequences of D-1 dopamine receptor stimulation and blockade. Waddington JL, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:20–2
Electrophysiological investigations of the D-1 dopamine receptor. White FJ. **Clin Neuropharmacol** 1986;9 Suppl 4:29–31
Mechanism of action of dopamine on the in vitro release of gonadotropin-releasing hormone. Jarjour LT, et al. **Endocrinology** 1986 Oct;119(4):1726–32
Hypothalamic D2 receptors mediate the preferential release of somatostatin-28 in response to dopaminergic stimulation. Lewis BM, et al. **Endocrinology** 1986 Oct;119(4):1712–7
Characterization of dopamine receptors associated with aldosterone secretion in rat adrenal glomerulosa. Missale C, et al. **Endocrinology** 1986 Nov;119(5):2227–32
Role of the dopaminergic nigrostriatal pathway in methamphetamine-induced depression of the neostriatal serotonergic system. Johnson M, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):231–4
Dopamine D2 receptor stimulation decreases the inositol trisphosphate level of rat striatal slices. Pizzi M, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):263–4
D-2 receptor stimulation inhibits cyclic AMP formation brought about by D-1 receptor stimulation in rat neostriatum but not nucleus accumbens. Stoof JC, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):205–6
Blink rate abnormalities in autistic and mentally retarded children: relationship to dopaminergic activity. Goldberg TE, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):336–8
Attention deficit disorder with hyperactivity and the dopamine hypothesis: case presentations with theoretical background [clinical conference] Sokol MS, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):428–33
Effect of domperidone on the release of insulin after intravenous glucose load in man. Pezzarossa A, et al. **J Endocrinol Invest** 1986 Oct;9(5):383–8
Selective dopamine-1 receptor stimulation produces natriuresis by a direct tubular action. Hughes JM, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S106–8
p-Dimethoxy-substituted trans-octahydrobenzo[f]- and -[g]quinolines: synthesis and assessment of dopaminergic agonist effects. Cannon JG, et al. **J Med Chem** 1986 Dec; 29(12):2529–34
Specific dopamine D-1 and DA1 properties of 4-(mono- and -dihydroxyphenyl)-1,2,3,4-tetrahydroisoquinoline and its tetrahydrothieno[2,3-c]pyridine analogue. Riggs RM, et al. **J Med Chem** 1987 Aug;30(8):1454–8
Dopamine agonists related to 3-allyl-6-chloro-2,3,4,5-tetrahydro-1-(4-hydroxyphenyl)-1H-3-benzaz epi ne-7, 8-diol. 6-Position modifications. Ross ST, et al. **J Med Chem** 1987 Jan; 30(1):35–40
Effects of D2-dopaminergic receptor stimulation on male rat sexual behavior. Foreman MM, et al. **J Neural Transm** 1987;68(3–4):153–70
Bromocriptine-induced locomotor stimulation in mice is modulated by dopamine D-1 receptors. Jackson DM, et al. **J Neural Transm** 1987;69(1–2):131–45
Pharmacology and biochemistry of dopamine receptors in the central nervous system and peripheral tissue. Memo M, et al. **J Neural Transm [Suppl]** 1986;22:19–32 (44 ref.)
Modulation of in vivo dopamine release by D2 but not D1 receptor agonists and antagonists. Boyar WC, et al. **J Neurochem** 1987 Mar;48(3):824–31
Endogenous dopamine functionally activates D-1 and D-2 receptors in striatum. Kelly E, et al. **J Neurochem** 1987 Jul;49(1):115–20
Pertussis toxin attenuates D2 inhibition and enhances D1 stimulation of adenylate cyclase by dopamine in rat striatum. Olianas MC, et al. **J Neurochem** 1987 May; 48(5):1443–7
Stimulatory effect of the D2 antagonist sulpiride on glucose utilization in dopaminergic regions of rat brain. Pizzolato G, et al. **J Neurochem** 1987 Aug;49(2):631–8
Opposing roles of dopamine D1 and D2 receptors in nigral gamma-[3H]aminobutyric acid release? Starr M. **J Neurochem** 1987 Oct;49(4):1042–9
Central dopamine receptors and their role in digoxin-induced cardiotoxicity in the dog. Plunkett LM, et al. **J Pharm Pharmacol** 1987 Jan;39(1):29–34
Dopamine autoreceptors modulate the in vivo release of dopamine in the frontal, cingulate and entorhinal cortices. Altar CA, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):115–20
Differential ontogeny of opioid, dopaminergic and serotonergic regulation of prolactin secretion. Bero LA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):825–30
D-1 receptor-linked mechanism modulates cholinergic neurotransmission in rat striatum. Consolo S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):300–5
Ionic mechanism of dopaminergic and muscarinic auto- and heteroreceptor activation in superfused striatal slices: role of extracellular chloride. Diliberto PA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):795–801
Role of vasopressin in the cardiovascular effects of LY171555, a selective dopamine D2 receptor agonist: studies in conscious Brattleboro and Long-Evans rats. Nagahama S, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):143–51
D-1 type of dopamine autoreceptors are not involved in the regulation of dopamine synthesis in the striatum. Watanabe H, et al. **Jpn J Pharmacol** 1987 Mar;43(3):327–30
Evidence for an involvement of dopamine receptors in the natriuretic response to atrial natriuretic peptide. Marin-Grez M, et al. **Klin Wochenschr** 1987;65 Suppl 8:97–102
"Selective" D-1 and D-2 receptor antagonists fail to differentially alter supersensitive locomotor behavior in the rat. Amalric M, et al. **Life Sci** 1986 Nov 24;39(21):1985–93
Involvement of dopamine receptor subtypes in dopaminergic modulation of aldosterone secretion in rats. Barrett RJ, et al. **Life Sci** 1987 Apr 13;40(15):1499–506
Guanine nucleotide regulation of dopamine receptor agonist affinity states in rat estradiol-induced pituitary tumors. Di Paolo T, et al. **Life Sci** 1987 Aug 31;41(9):1149–53
Behavioural expression of D-1 receptor supersensitivity depends on previous stimulation of D-2 receptors. Morelli M, et al. **Life Sci** 1987 Jan 19;40(3):245–51

Coexistence of inhibitory dopamine D-1 and excitatory D-2 receptors on the same caudate nucleus neurons. Ohno Y, et al. **Life Sci** 1987 May 11;40(19):1937–45

Neurobiology. Dopamine receptor disputes [news] Palacios JM. **Nature** 1986 Sep 18–24;323(6085):205

A functional response to D1 dopamine receptor stimulation in the central nervous system: inhibition of the release of [3H]-serotonin from the rat substantia nigra. Benkirane S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):502–7

Dopaminergic neurones in the zona incerta exert a stimulatory control on gonadotrophin release via D1 dopamine receptors. James MD, et al. **Neuroendocrinology** 1987 May;45(5):348–55

Characteristics of receptors for dopamine in the pars intermedia of the amphibian Xenopus laevis. Verburg-Van Kemenade BM, et al. **Neuroendocrinology** 1986; 44(4):446–56

Nigrostriatal dopamine neurons: modulation of impulse-induced activation of tyrosine hydroxylation by dopamine autoreceptors. Murrin LC, et al. **Neuropharmacology** 1987 Jun;26(6):591–5

Opioid and D-2 receptor mediated inhibition of forskolin-stimulated cyclic AMP efflux from rat neostriatal slices. Schoffelmeer AN, et al. **Neuropharmacology** 1987 Jul;26(7A):785–7

Behavioural interactions involving D1 and D2 dopamine receptors in non-habituated mice. Starr BS, et al. **Neuropharmacology** 1987 Jun;26(6):613–9

D-1 dopamine receptor stimulation potentiates neurophysiological effects of bromocriptine in rats with lesions of the nigrostriatal dopamine pathway. Weick BG, et al. **Neuropharmacology** 1987 Jun;26(6):641–4

Intrathecally administered apomorphine or LY171555 reduces nociceptive responses recorded from ventrobasal thalamic neurones in urethane anaesthetised rats. Clatworthy A, et al. **Neurosci Lett** 1987 Apr 10; 75(3):308–12

A transient embryonic dopamine receptor inhibits growth cone motility and neurite outgrowth in a subset of avian retina neurons. Lankford K, et al. **Neurosci Lett** 1987 Mar 31;75(2):169–74

D2 dopamine receptors associated with inhibition of dopamine release from rat neostriatum are independent of cyclic AMP. Memo M, et al. **Neurosci Lett** 1986 Nov 11; 71(2):192–6

Intracellular studies on the dopamine-induced firing inhibition of neostriatal neurons in vitro: evidence for D1 receptor involvement. Calabresi P, et al. **Neuroscience** 1987 Mar;20(3):757–71

Autoradiographic distribution of the D1 agonist [3H]SKF 38393, in the rat brain and spinal cord. Comparison with the distribution of D2 dopamine receptors. Dubois A, et al. **Neuroscience** 1986 Sep;19(1):125–37

Topography of dopamine behaviours mediated by D1 and D2 receptors revealed by intrastriatal injection of SKF 38393, lisuride and apomorphine in rats with a unilateral 6-hydroxydopamine-induced lesion. Fletcher GH, et al. **Neuroscience** 1987 Feb;20(2):589–97

In vivo release of [3H]gamma-aminobutyric acid in the rat neostriatum—II. Opposing effects of D1 and D2 dopamine receptor stimulation in the dorsal caudate putamen. Girault JA, et al. **Neuroscience** 1986 Dec;19(4):1109–17

D-2 dopamine-receptors regulate the release of [3H]dopamine in rat cortical regions showing dopamine immunoreactive fibers. Plantjé JF, et al. **Neuroscience** 1987 Jan;20(1):157–68

Autoregulation of dopamine release and metabolism by intrastriatal nigral grafts as revealed by intracerebral dialysis. Strecker RE, et al. **Neuroscience** 1987 Jul; 22(1):169–78

Chronic autoreceptor blockade and neuroleptic-induced dopamine receptor hypersensitivity. Gordon JH, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):223–8

SCH 23390 and its S-enantiomer stereoselectively prevent EEG and behavioral activation induced by dopamine agonists in the rabbit. Ongini E, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):715–8

The dopamine and serotonin systems during aging in human and rodent brain. A brief review. Morgan DG. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):153–7

Associations among plasma prolactin levels, tardive dyskinesia, and paranoia in treated schizophrenics: relevance to supersensitivity psychosis. Csernansky JG, et al. **Psychopharmacol Bull** 1986;22(3):897–9

Investigations on the possible involvement of the dopaminergic system in the modulation of the growth and steroidogenic capacity of the rat adrenal zona glomerulosa: a coupled morphometric and biochemical study. Mazzocchi G, et al. **Res Exp Med (Berl)** 1987;187(4):251–63

Insights into the pathophysiology and pathogenesis of Gilles de la Tourette syndrome. Friedhoff AJ. **Rev Neurol (Paris)** 1986;142(11):860–4

D1 dopamine receptor activation required for postsynaptic expression of D2 agonist effects. Walters JR, et al. **Science** 1987 May 8;236(4802):719–22

[Dopamine receptors: fundamental and clinical aspects] Stoof JC. **Ned Tijdschr Geneeskd** 1986 Sep 13;130(37):1638–42 **(Dut)**

[Endogenous dopaminergic regulation of aldosterone secretion. Studies of pathophysiologic value] Jungmann E. **Fortschr Med** 1987 Jun 10;105(17):337–9 (Eng. Abstr.) **(Ger)**

RECEPTORS, DRUG

Computer-aided drug design. Marshall GR. **Annu Rev Pharmacol Toxicol** 1987;27:193–213 (128 ref.)

ANALYSIS

A fluorometric method for the determination of functional (Na,K)-ATPase and cardiac glycoside receptors. Fortes PA. **Anal Biochem** 1986 Nov 1;158(2):454–62

Characterization of quisqualate-type L-glutamate receptors in the retina. López-Colomé AM, et al. **Brain Res** 1987 Jun 23;414(1):99–108

Ah receptor in human placenta: stabilization by molybdate and characterization of binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin, 3-methylcholanthrene, and benzo(a)pyrene. Manchester DK, et al. **Cancer Res** 1987 Sep 15;47(18):4861–8

Identification of Vinca alkaloid acceptors in P388 murine leukemia cells with a photoactive analogue of vinblastine. Safa AR, et al. **Cancer Res** 1987 Oct 1;47(19):5149–54

Photoaffinity labelling of the Ah receptor. Poland A, et al. **Food Chem Toxicol** 1986 Jun-Jul;24(6-7):781–7

Heterogeneity of the rat hepatic Ah receptor and evidence for transformation in vitro and in vivo. Gasiewicz TA, et al. **J Biol Chem** 1987 Feb 15;262(5):2116–20

DRUG EFFECTS

The inotropic effect of ouabain and its antagonism by dihydroouabain in rat isolated atria and ventricles in relation to specific binding sites. Finet M, et al. **Br J Pharmacol** 1983 Dec;80(4):751–9

Kynurenic acid distinguishes kainate and quisqualate receptors in the vertebrate retina. Coleman PA, et al. **Brain Res** 1986 Aug 27;381(1):172–5

Induction of the aromatic hydrocarbon receptor by trans-4-acetylaminostilbene in rat liver. Comparison with other aromatic amines. Göttlicher M, et al. **Carcinogenesis** 1987 Jul;8(7):1021–3

Effects of fatty acid on the specific drug-binding sites of human serum albumin. Maruyama K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3394–402

A model for agonists acting directly as well as indirectly. Venter DP, et al. **Eur J Pharmacol** 1987 Mar 17; 135(2):183–91

Differential inactivation of inotropic and toxic digitalis receptors in ischemic dog heart. Molecular basis of the deleterious effects of digitalis. Maixent JM, et al. **J Biol Chem** 1987 Sep 15;262(26):12458–62

The interaction of phenylalkylamine calcium channel blockers with the 1,4-dihydropyridine binding site. Zobrist RH, et al. **J Mol Cell Cardiol** 1986 Sep;18(9):963–74

Studies on ouabain-like endogenous natriuretic factors in human urine. Inhibition of Na-K-ATPase and 3H-ouabain binding. Kramer HJ, et al. **Klin Wochenschr** 1986 Aug 15; 64(16):760–6

The effects on Schild regressions of antagonist removal from the receptor compartment by a saturable process. Kenakin TP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):103–8

Receptor blocking drugs and amphetamine anorexia in human subjects. Goodall E, et al. **Psychopharmacology (Berlin)** 1987;92(4):484–90

Synergistic interactions of 2,3,7,8-TCDD and 2,2',4,4',5,5'-hexachlorobiphenyl in C57BL/6J and DBA/2J mice: role of the Ah receptor. Bannister R, et al. **Toxicology** 1987 May;44(2):159–69

[Drug receptor interactions. Basis for the action of foreign substances. I.] Kurz H. **Med Monatsschr Pharm** 1987 May; 10(5):132–8 **(Ger)**

GENETICS

DNA-mediated restoration of aryl hydrocarbon hydroxylase induction in a mouse hepatoma mutant defective in nuclear translocation of the Ah receptor. Kärenlampi SO, et al. **Arch Toxicol [Suppl]** 1986;9:159–62

An intronless gene encoding a potential member of the family of receptors coupled to guanine nucleotide regulatory proteins. Kobilka BK, et al. **Nature** 1987 Sep 3–9; 329(6134):75–9

IMMUNOLOGY

Ah receptor mediated suppression of the antibody response in mice is primarily dependent on the Ah phenotype of lymphoid tissue. Silkworth JB, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):380–90

ISOLATION & PURIFICATION

Variation in the molecular mass of the Ah receptor among vertebrate species and strains of rats. Poland A, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1439–49

Purification and subunit structure of the [3H]phenamil receptor associated with the renal apical Na+ channel. Barbry P, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4836–40

METABOLISM

Synthetic and receptor binding studies on bicyclic annelated systems related to cyproheptadine. Gronowitz S, et al. **Acta Pharm Suec** 1987;24(1):1–14

Structure and function of the Ah receptor: sulfhydryl groups required for binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin to cytosolic receptor from rodent livers. Denison MS, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):388–95

Characterization of the in vitro stability of the rat hepatic receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Kester JE, et al. **Arch Biochem Biophys** 1987 Feb 1; 252(2):606–25

Interaction of beta-adrenergic antagonists with local anaesthetic acceptor sites. Bruschi G, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):5–15

Respective involvements of high- and low-affinity digitalis receptors in the inotropic response of isolated rat heart to ouabain. Lelievre LG, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3449–55

Characterization of solubilized isoquinoline binding sites from rat intestine using 6,7-dimethoxy 4-(4'-amino, 3'(125I)iodobenzyl)isoquinoline. Servin AL, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):957–63

Consequences of ligand bivalency in interactions involving particulate receptors: equilibrium and kinetic studies with Sephadex-concanavalin A, butylagarose-phosphorylase b, and Fc receptor-IgG dimer interactions as model systems. Hogg PJ, et al. **Biochemistry** 1987 Apr 7;26(7):1867–73

Influence of proteinase inhibitors and substrates on 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)-binding capacity of the rat hepatic Ah receptor. Kester JE, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):109–16

Uptake and specific binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin in the olfactory mucosa of mice and rats. Gillner M, et al. **Cancer Res** 1987 Aug 1;47(15):4150–9

Quantitative structure-activity relationships: analysis of interactions of 2,3,7,8-tetrachlorodibenzo-p-dioxin and 2-substituted analogues with rat, mouse, guinea pig, and hamster cytosolic receptor. Romkes M, et al. **Cancer Res** 1987 Oct 1;47(19):5108–11

Involvement of the prostatic steroid-binding protein in the transfer of ligand to the dioxin receptor. Söderkvist P, et al. **Carcinogenesis** 1987 Sep;8(9):1287–90

Quantification of the 3H-ouabain binding site concentration in human myocardium: a postmortem study. Nørgaard A, et al. **Cardiovasc Res** 1986 Jun;20(6):428–35

Bacteriocin receptors on malignant mammalian cells: are they transferrin receptors? Farkas-Himsley H, et al. **Cell Mol Biol** 1986;32(5):607–17

Effects of thyroidectomy on the Ah receptor and enzyme inducibility by 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rat liver. Henry EC, et al. **Chem Biol Interact** 1986 Jul-Aug; 59(1):29–42

Ouabain-binding site of (Na+ + K+)-ATPase in right-side-out vesicles has not an externally accessible SH group. Scheiner-Bobis G, et al. **Eur J Biochem** 1987 Jun 15;165(3):653–6

Acute effect of cigarette smoke on laryngeal receptors. Lee LY, et al. **J Appl Physiol** 1987 Apr;62(4):1575–81

The receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin in the mouse hepatoma cell line Hepa 1c1c7. A comparison with the glucocorticoid receptor and the mouse and rat hepatic dioxin receptors. Cuthill S, et al. **J Biol Chem** 1987 Mar 15;262(8):3477–81

Polyanionic-binding properties of the receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin. A comparison with the glucocorticoid receptor. Wilhelmsson A, et al. **J Biol Chem** 1986 Oct 15;261(29):13456–63

Docking flexible ligands to macromolecular receptors by molecular shape. DesJarlais RL, et al. **J Med Chem** 1986 Nov;29(11):2149–53

Progesterone derivatives that bind to the digitalis receptor: synthesis of 14 beta-hydroxyprogesterone. A novel steroid with positive inotropic activity. Templeton JF, et al. **J Med Chem** 1987 Aug;30(8):1502–5

Potential errors in agonist dissociation constant estimation caused by desensitization. Leff P. **J Theor Biol** 1986 Jul 21;121(2):221–32

The ouabain receptor in animal tissues and its endogenous ligand. Lichtstein D, et al. **Klin Wochenschr** 1987;65 Suppl 8:40–8

A quantitative receptor assay for "digitalis-like" compounds in serum. Demonstration of raised concentrations in essential hypertension and correlation with arterial blood pressure. Moreth K, et al. **Klin Wochenschr** 1987 Feb 16; 65(4):179–84

The inverse relationship between drug affinity and effectiveness: prediction under rate theory, paradox under occupancy theory. O'Brien DR. **Med Hypotheses** 1987 Jul; 23(3):327–33

Quantitative receptor autoradiography [letter] **Nature** 1987 Apr 16–22;326(6114):648–9

Calcium-mobilizing receptors, polyphosphoinositides, and the generation of second messengers. Abdel-Latif AA. **Pharmacol Rev** 1986 Sep;38(3):227–72 (658 ref.)

Ligand—receptor interactions: facts and fantasies. Klotz IM. **Q Rev Biophys** 1985 Aug;18(3):227–59 (49 ref.)

Dose-dependent elevation of Ah receptor binding by TCDD in rat liver. Sloop TC, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):329–37

The cytosolic receptor binding affinities and AHH induction potencies of 29 polynuclear aromatic hydrocarbons.

Piskorska-Pliszczynska J, et al. **Toxicol Lett** 1986 Nov; 34(1):67–74

How drugs act in the body. Marriner SE. **Vet Rec** 1986 Aug 9;119(6):132–5

[Profile of the adverse effects of neuroleptic drugs in relation to its receptor binding] Gerlach J. **Nord Med** 1987; 102(4):120–3 (Eng. Abstr.) **(Dan)**

[Contribution of stereochemistry to the study of the spatial organization of pharmacological receptors] Boucherle A, et al. **J Pharmacol** 1986;17 Suppl 2:44–58 (Eng. Abstr.) **(Fre)**

[Theoretical research on the interaction between drugs and receptor models. VIII. An interaction model for the binding of sulfonamides on human serum albumin] Höltje HD, et al. **Arch Pharm (Weinheim)** 1987 Mar;320(3):234–40 (Eng. Abstr.) **(Ger)**

[The biochemistry of toxic effects] Jacyszyn K. **Folia Med Cracov** 1987;28(1–2):47–60 (Eng. Abstr.) **(Pol)**

[Apropos of possible paired comparison of receptor-binding parameters obtained in one experiment] Mashilov KV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):506–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A patch-clamp study of excitatory amino acid activated channels. Ascher P, et al. **Adv Exp Med Biol** 1986; 203:507–11

Mechanisms of receptor function and the molecular biology of information processing in bacteria. Stock J. **Bioessays** 1987 May;6(5):199–203

Antidepressants and receptor function. **Ciba Found Symp** 1986;123:1–295

Drug-receptor relationships, selection of therapeutic goals, and adaptive control of pharmacokinetic systems. Jelliffe RW. **Fed Proc** 1987 Jun;46(8):2494–501 (14 ref.)

Ion channels and receptors. Titisee, 9–14 March 1986. **J Exp Biol** 1986 Sep;124:1–392

Receptors and ion channels. Evans PD, et al. **J Exp Biol** 1986 Sep;124:1–4

The red blood cell: a model for ouabain receptor regulation in the heart? Brown L, et al. **Klin Wochenschr** 1986 Sep 1;64(17):786–92

Quisqualate receptors are specifically involved in cerebellar synaptic plasticity. Kano M, et al. **Nature** 1987 Jan 15–21; 325(6101):276–9

An "excited state" receptor theory.Moore GJ. **Proc West Pharmacol Soc** 1987;30:377–81

Pharmacologic intrinsic activity in rate coupled receptor systems. Villarreal JE, et al. **Proc West Pharmacol Soc** 1987; 30:373–5

RECEPTORS, ENDOGENOUS SUBSTANCES

see related

RADIOLIGAND ASSAY

Molecular neurobiology. **Biochem Soc Symp** 1986;52:1–165

Development of hormone receptors. **Experientia [Suppl]** 1987;53:1–196

Purification, biosynthesis and regulation of membrane bound receptors. September 1986, Cap d'Agde, France. Proceedings. **J Recept Res** 1987;7(1–4):1–628

Structure of the receptor for platelet-derived growth factor helps define a family of closely related growth factor receptors. Yarden Y, et al. **Nature** 1986 Sep 18–24; 323(6085):226–32

ANALYSIS

Hepatitis B surface antigen/IgM complexes: relation to receptors for polymerized human serum albumin, hepatitis B virus (HBV) DNA polymerase activity and HBV markers. Mora I, et al. **Acta Virol (Praha)** 1987 Mar; 31(2):116–25

Development of a specific radioimmunoassay for the placental folate receptor and related high-affinity folate binding proteins in human tissues. Antony AC, et al. **Anal Biochem** 1987 Apr;162(1):224–35

Estimation of endothelial receptor sites with the mean transit time approach. Effros RM, et al. **Ann Biomed Eng** 1987; 15(2):189–99

Correlation of aromatase activity and steroid receptors in human ovarian carcinoma. Kühnel R, et al. **Anticancer Res** 1986 Sep–Oct;6(5):889–92

Steroid hormone receptors in male breast diseases. Pacheco MM, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1013–7

Characteristics of lysosomal phosphomannosyl-enzyme receptors in the rat heart. Marjomäki VS, et al. **Basic Res Cardiol** 1987 May–Jun;82(3):252–60

Specific receptors for atriopeptin III in rabbit lung. Olins GM, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):302–7

Identification of NGF receptor in chromatin of melanoma cells using monoclonal antibody to cell surface NGF receptor. Rakowicz-Szulczynska EM, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):174–80

The expression of functional erythropoietin receptors on an interleukin-3 dependent cell line. Sakaguchi M, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):7–12

Glucose transporters in isolated chromaffin cells. Effects of insulin and secretagogues. Delicado EG, et al. **Biochem J** 1987 Apr 15;243(2):541–7

Tryptamine receptors: fact, myth or misunderstanding? Greenshaw AJ, et al. **Brain Res Bull** 1987 Feb;18(2):253–6

Analysis of murine cellular receptors for tumor-killing factor. Ohsawa F, et al. **Cancer Res** 1987 Jan 1;47(1):42–6

Appearance of high affinity receptors for type beta transforming growth factor during differentiation of murine embryonal carcinoma cells. Rizzino A. **Cancer Res** 1987 Aug 15;47(16):4386–90

Virus-associated receptors for polymerized human serum albumin (RpHSA) in patients with chronic active hepatitis B treated with recombinant leukocyte A interferon. Gerken G, et al. **Digestion** 1987;37(2):96–102

Binding of low-density lipoprotein and chylomicron remnants to the hepatic low-density lipoprotein receptor of dogs, rats and rabbits demonstrated by ligand blotting. Failure to detect a distinct chylomicron-remnant-binding protein by ligand blotting. Wade DP, et al. **Eur J Biochem** 1986 Sep 1;159(2):333–40

Studies into disturbing receptor 'memory' in a unicellular (Tetrahymena) model system: changes in the imprinting potential on exposure to combinations of related and unrelated hormones. Csaba G, et al. **Exp Cell Biol** 1986; 54(5–6):333–7

Regulatory peptide receptors: visualization by autoradiography. Palacios JM, et al. **Experientia** 1987 Jul 15;43(7):750–61 (137 ref.)

Receptors for polymerized human serum albumin and other hepatitis B virus markers during acute hepatitis B—predictive value of the outcome of the disease. Mora I, et al. **Hepatogastroenterology** 1986 Dec;33(6):250–4

Functional heterogeneity of atrial natriuretic factor receptor in bovine adrenal zona glomerulosa is explained by an amiloride-sensitive high affinity molecular complex. Meloche S, et al. **J Biol Chem** 1987 Jul 25;262(21):10252–8

Identification of a factor IX/IXa binding protein on the endothelial cell surface. Rimon S, et al. **J Biol Chem** 1987 May 5;262(13):6023–31

Phosphorylation of nerve growth factor receptor proteins in sympathetic neurons and PC12 cells. In vitro phosphorylation by the cAMP-independent protein kinase FA/GSK-3. Taniuchi M, et al. **J Biol Chem** 1986 Oct 5; 261(28):13342–9

Multiple carbohydrate receptors on lymphocytes revealed by adhesion to immobilized polysaccharides. Brandley BK, et al. **J Cell Biol** 1987 Aug;105(2):991–7

Membranes of sorting organelles display lateral heterogeneity in receptor distribution. Geuze HJ, et al. **J Cell Biol** 1987 Jun;104(6):1715–23

The signal recognition particle receptor is a complex that contains two distinct polypeptide chains. Tajima S, et al. **J Cell Biol** 1986 Oct;103(4):1167–78

Effects of recombinant tumor necrosis factor on proliferation and differentiation of leukemic and normal hemopoietic cells in vitro. Relationship to cell surface receptor. Peetre C, et al. **J Clin Invest** 1986 Dec;78(6):1694–700

Localization of 125I-atrial natriuretic factor (ANF)-binding sites in rat renal medulla. A light and electron microscope autoradiographic study. Bianchi C, et al. **J Histochem Cytochem** 1987 Feb;35(2):149–53

Detection of receptors for polymerised human albumin by immunoperoxidase and immunoadherence in liver tissue of HBsAg chronic carriers. Sansonno DE, et al. **J Immunol Methods** 1986 Oct 23;93(1):71–6

Multiple receptor sites for a molluscan peptide (FMRFamide) and related peptides of Helix. Cottrell GA, et al. **J Physiol (Lond)** 1987 Jan;382:51–68

Atrial natriuretic factor and exocrine pancreas: autoradiographic localization of binding sites and ultrastructural evidence for internalization of endogenous ANF. Chabot JG, et al. **Pancreas** 1987;2(4):404–13

Virus-associated receptor for polymerized human serum albumin and antibody to the receptor in HBV and in HDV infection. Alberti A, et al. **Prog Clin Biol Res** 1987; 234:61–70

[The study of the relationship between polymerized human serum albumin receptor and HBV replication] An P, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Aug;25(8):449–51, 509 (Eng. Abstr.) **(Chi)**

[Different localization of thrombomodulin] Boffa MC, et al. **Ann Biol Clin (Paris)** 1987;45(2):191–7 (Eng. Abstr.) **(Fre)**

[Hormone interactions in varicose veins—receptor analysis and hormone level] Schmidt JB, et al. **Vasa** 1986; 15(3):224–7 (Eng. Abstr.) **(Ger)**

[Endometrial adenocarcinoma: relationship between steroid receptors and the degree of cell differentiation] Marroni P, et al. **Minerva Ginecol** 1987 May;39(5):343–5 (Eng. Abstr.) **(Ita)**

[Recent medical topics on platelets in hemorrhagic and thrombotic diseases] Yamazaki H. **Nippon Naika Gakkai Zasshi** 1986 Oct;75(10):1370–4 (11 ref.) **(Jpn)**

[Receptors for thrombin on lymphocytes and their subpopulations] Kuselman AI. **Gematol Transfuziol** 1987 May;32(5):17–20 (Eng. Abstr.) **(Rus)**

[Prognostic importance of the tumor receptor status in patients with ovarian cancer] Makhova EE, et al. **Vopr Onkol** 1987;33(6):61–7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Thrombin receptor antagonists. Ruda EM, et al. **Agents Actions [Suppl]** 1986;20:77–86

An analysis of the effects of excitatory amino acid receptor antagonists on evoked field potentials in the olfactory bulb. Jacobson I, et al. **Neuroscience** 1986 Sep;19(1):267–73

In vitro and in vivo pharmacological profiles of the PAF receptor antagonist SRI 63–675. Handley DA, et al. **Thromb Haemost** 1987 Apr 7;57(2):187–90

The effect of prednisolone, thromboxane, and platelet-activating factor receptor antagonists on lymphocyte and platelet migration in experimental cardiac transplantation. Khirabadi BS, et al. **Transplantation** 1987 May;43(5):626–30

BIOSYNTHESIS

Suitability of oligopeptides for induction of hormonal imprinting—implications on receptor and hormone evolution. Csaba G, et al. **Biosystems** 1986;19(4):285–8

Induction of receptors for tumor necrosis factor-alpha by interferons is not a major mechanism for their synergistic cytotoxic response. Aggarwal BB, et al. **J Biol Chem** 1987 Jul 25;262(21):10000–7

Biosynthetic and glycosylation studies of cell surface platelet-derived growth factor receptors. Daniel TO, et al. **J Biol Chem** 1987 Jul 15;262(20):9778–84

BLOOD

Correlation of polyalbumin receptors with hepatitis B surface antigen polypeptides in human sera. Gilja BK, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1021–4

DRUG EFFECTS

Cell receptors and ethanol. Bannister P, et al. **Alcoholism (NY)** 1986;10(6 Suppl):50S–54S

Hormone evolution studies: multiplication promoting and imprinting ("memory") effects of various amino acids on Tetrahymena. Csaba G, et al. **Biosystems** 1987;20(3):225–9

Protein C inhibits endocytosis of thrombin–thrombomodulin complexes in A549 lung cancer cells and human umbilical vein endothelial cells. Maruyama I, et al. **Blood** 1987 May; 69(5):1481–4

Antagonism of vasoconstriction induced by platelet-activating factor in guinea-pig perfused hearts by selective platelet-activating factor receptor antagonists. Piper PJ, et al. **Br J Pharmacol** 1987 Apr;90(4):771–83

Effects of an LHRH agonist on endocrine function, LHRH receptor and LH/hCG receptor in the pituitary-gonadal axis of male rats. Komatsu M, et al. **Endocrinol Jpn** 1986 Apr;33(2):185–95

Reflex regulation of the circulation after stimulation of cardiac receptors by prostaglandins. Hintze TH. **Fed Proc** 1987 Jan;46(1):73–80 (61 ref.)

Phagocytosis of unopsonized zymosan particles by trypsin-sensitive and beta-glucan-inhibitable receptors on bone marrow-derived murine macrophages. Kadish JL, et al. **Immunol Res** 1986;5(2):129–38

Inhibition and reversal of endotoxin-, aggregated IgG- and paf-induced hypotension in the rat by SRI 63-072, a paf receptor antagonist. Handley DA, et al. **Immunopharmacology** 1986 Aug;12(1):11–6

Cardiovascular alterations in the rabbit infused with platelet activating factor (PAF): effect of kadsurenone, a PAF-receptor antagonist. Montrucchio G, et al. **Int J Tissue React** 1986;8(6):497–504

Structure-activity relationships of kadsurenone analogues. Ponpipom MM, et al. **J Med Chem** 1987 Jan;30(1):136–42

Behavior and receptor changes after kainate lesioning of nodular cerebellum. Maiti A, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):589–94

[Active principles of plant origin: a tool for studying membrane receptors] Plat M. **Presse Med** 1986 Sep 25; 15(31):1444–9 (Eng. Abstr.) **(Fre)**

[Receptor mediated modification of cell growth in vitro—kinetics and description of the morphological receptor] Arps H, et al. **Verh Dtsch Ges Pathol** 1986; 70:339–42 (Eng. Abstr.) **(Ger)**

[Cell surface receptors in lymphoid lines studied using lectins] Khomutovskii OA, et al. **Eksp Onkol** 1986;8(5):25–8 (Eng. Abstr.) **(Rus)**

GENETICS

mRNA-directed synthesis and insertion of functional amino acid receptors in Xenopus laevis oocytes. Smart TG, et al. **Biochem Soc Trans** 1987 Feb;15(1):117–22

A family of receptors coupled to guanine nucleotide regulatory proteins. Dohlman HG, et al. **Biochemistry** 1987 May 19;26(10):2657–64

The fms gene and the CSF-1 receptor. Sherr CJ, et al. **Cancer Surv** 1986;5(2):221–32

Conservation of a receptor/signal transduction system. Herskowitz I, et al. **Cell** 1987 Sep 25;50(7):995–6

Expression and structure of the human NGF receptor. Johnson D, et al. **Cell** 1986 Nov 21;47(4):545–54

Cloning of the beta subunit of the leukocyte adhesion proteins: homology to an extracellular matrix receptor defines a novel supergene family. Kishimoto TK, et al. **Cell** 1987 Feb 27;48(4):681–90

Genetic linkage of von Recklinghausen neurofibromatosis to the nerve growth factor receptor gene. Seizinger BR, et al. **Cell** 1987 Jun 5;49(5):589–94

Genetic studies at the receptor level: investigations in human twins and experimental animals. Propping P, et al.

Ciba Found Symp 1986;123:42–56

Evolutionary conserved close linkage of the c-fes/fps proto-oncogene and genetic sequences encoding a receptor-like protein. Roebroek AJ, et al. **EMBO J** 1986 Sep;5(9):2197–202

Isolation of a mutant LLC-PK1 cell line defective in hormonal responsiveness. A pleiotropic lesion in receptor function. Jans DA, et al. **Eur J Biochem** 1986 Oct 15; 160(2):407–12

Complementation between LLC-PK1 mutants affected in polypeptide hormone-receptor function. Jans DA, et al. **Eur J Biochem** 1987 Feb 2;162(3):571–6

Development of hormone receptors. Döhler KD. **Experientia [Suppl]** 1987;53:181–92 (70 ref.)

Oncogenes from hormone receptors [editorial] Parker MG. **J Endocrinol** 1987 Jan;112(1):1–2

Regulation of expression of the gene for vitamin B12 receptor cloned on a multicopy plasmid in Escherichia coli. Aufrère R, et al. **MGG** 1986 Nov;205(2):358–65

DNA polymorphisms for the nerve growth factor receptor gene exclude its role in familial dysautonomia. Breakefield XO, et al. **Mol Biol Med** 1986 Dec;3(6):483–94

Multiple regulation of STE2, a mating-type-specific gene of Saccharomyces cerevisiae. Hartig A, et al. **Mol Cell Biol** 1986 Jun;6(6):2106–14

Saccharomyces cerevisiae mutants unresponsive to alpha-factor pheromone: alpha-factor binding and extragenic suppression. Jenness DD, et al. **Mol Cell Biol** 1987 Apr;7(4):1311–9

Synthesis of membrane-bound colony-stimulating factor 1 (CSF-1) and downmodulation of CSF-1 receptors in NIH 3T3 cells transformed by cotransfection of the human CSF-1 and c-fms (CSF-1 receptor) genes. Rettenmier CW, et al. **Mol Cell Biol** 1987 Jul;7(7):2378–87

A superfamily of potentially oncogenic hormone receptors [news] Green S, et al. **Nature** 1986 Dec 18–31; 324(6098):615–7

An intronless gene encoding a potential member of the family of receptors coupled to guanine nucleotide regulatory proteins. Kobilka BK, et al. **Nature** 1987 Sep 3–9; 329(6134):75–9

Gene transfer and molecular cloning of the rat nerve growth factor receptor. Radeke MJ, et al. **Nature** 1987 Feb 12–18; 325(6105):593–7

Developmentally regulated expression of the nerve growth factor receptor gene in the periphery and brain. Buck CR, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3060–3

Human thrombomodulin gene is intron depleted: nucleic acid sequences of the cDNA and gene predict protein structure and suggest sites of regulatory control. Jackman RW, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6425–9

Characterization of a thrombomodulin cDNA reveals structural similarity to the low density lipoprotein receptor. Jackman RW, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8834–8

Cloning and sequence analysis of rat bone sialoprotein (osteopontin) cDNA reveals an Arg-Gly-Asp cell-binding sequence. Oldberg A, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8819–23

Sequence of MET protooncogene cDNA has features characteristic of the tyrosine kinase family of growth-factor receptors. Park M, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6379–83

Sevenless, a cell-specific homeotic gene of Drosophila, encodes a putative transmembrane receptor with a tyrosine kinase domain. Hafen E, et al. **Science** 1987 Apr 3; 236(4797):55–63

Developmental control gene sequenced [news] Marx JL. **Science** 1987 Apr 3;236(4797):26–7

Assignment of human nerve growth factor receptor gene to chromosome 17 and regulation of receptor expression in somatic cell hybrids. Rettig WJ, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):441–7

Organization and expression of murine T cell receptor genes. Hashimoto Y. **Year Immunol** 1986;2:237–44 (28 ref.)

[A case of overlapping reading frames in Escherichia coli] Aufrère R, et al. **C R Acad Sci [III]** 1986;303(3):49–54 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antireceptor or antihormone autoimmunity and its relationship with the idiotype network. Bach JF. **Adv Nephrol** 1987;16:251–80 (117 ref.)

The nerve growth factor receptor in normal and transformed neural crest cells. Ross AH, et al. **Ann NY Acad Sci** 1986; 486:115–23

Monoclonal antibody C3.1 is a platelet derived growth factor (PDGF) antagonist. Kawahara RS, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):839–45

Using molecular mimicry to produce anti-receptor antibodies. Linthicum DS, et al. **Bioessays** 1985 Nov; 3(5):213–7

Role of receptor-binding antibodies and anti-idiotypic antihormone antibodies in immune regulation. Marullo S, et al. **Concepts Immunopathol** 1986;3:176–92 (50 ref.)

Receptors for mouse erythrocytes on human immature B lymphocytes: still a valuable tool in immunohaematology. Youinou PY, et al. **Diagn Clin Immunol** 1987;5(2):112–4

Antibody to the hepatitis B virus receptor for polymerized albumin in acute infection and in hepatitis B vaccine recipients. Pontisso P, et al. **J Hepatol** 1986;3(3):393–8

Why do some individuals produce autoreactive antibodies against receptors and/or their ligands? A possible answer to the question. A review with implications. Hansen BL. **Scand J Immunol** 1986 Oct;24(4):363–70 (33 ref.)

ISOLATION & PURIFICATION

Isolation of a specific albumin receptor from a group G streptococcal strain. Widebäck K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Jun; 95(3):203–10

Solubilization of a guanine nucleotide-sensitive parathyroid hormone-receptor complex from canine renal cortex. Nissenson RA, et al. **Adv Exp Med Biol** 1986;208:329–43

A binding assay for the solubilized receptors of type beta transforming growth factor: adsorption and removal of free ligand by dextran-coated charcoal. Fanger BO, et al. **Anal Biochem** 1986 Aug 1;156(2):444–53

Isolation and identification of a 23,000-dalton heparin binding fragment from the amino terminus of bovine thrombospondin. Aiken M, et al. **Arch Biochem Biophys** 1986 Oct;250(1):257–62

Physical and functional association of the atrial natriuretic peptide receptor with particulate guanylate cyclase as demonstrated using detergent extracts of bovine lung membranes. Ishido M, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):101–6

Purification and characterization of two types of atrial natriuretic factor receptors from bovine adrenal cortex: guanylate cyclase-linked and cyclase-free receptors. Takayanagi R, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):244–50

Isolation of a biotin receptor from hepatic plasma membranes. Vesely DL, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):913–6

Human placental ferritin receptor. Takami M, et al. **Biochim Biophys Acta** 1986 Oct 29;884(1):31–8

Immobilized purified folate-binding protein: binding characteristics and use for quantifying folate in erythrocytes. Hansen SI, et al. **Clin Chem** 1987 Aug; 33(8):1360–3

Nerve growth factor receptor from rabbit sympathetic ganglia membranes. Relationship between subforms. Kouchalakos RN, et al. **J Biol Chem** 1986 Dec 5; 261(34):16054–9

Purification of the receptor for platelet-derived growth factor from porcine uterus. Rönnstrand L, et al. **J Biol Chem** 1987 Mar 5;262(7):2929–32

Purification of atrial natriuretic peptide receptor from bovine lung. Evidence for a disulfide-linked subunit structure. Shimonaka M, et al. **J Biol Chem** 1987 Apr 25; 262(12):5510–4

Two distinct forms of receptors for atrial natriuretic factor in bovine adrenocortical cells. Purification, ligand binding, and peptide mapping. Takayanagi R, et al. **J Biol Chem** 1987 Sep 5;262(25):12104–13

Isolation of the hemopexin receptor from human placenta. Taketani S, et al. **J Biol Chem** 1987 Jun 25;262(18):8668–71

Identification of the primary translation product of atrial natriuretic peptide receptor mRNA in a cell-free system using anti-receptor antiserum. Uchida K, et al. **J Biol Chem** 1987 Sep 15;262(26):12401–2

Solubilization and assay of a colony-stimulating factor receptor from murine macrophages. Yeung YG, et al. **J Cell Biochem** 1986;31(4):259–69

Purification and amino terminal sequencing of human melanoma nerve growth factor receptor. Marano N, et al. **J Neurochem** 1987 Jan;48(1):225–32

Purification and subunit composition of atrial natriuretic peptide receptor. Schenk DB, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1521–5

Immunoprecipitation of the parathyroid hormone receptor. Wright BS, et al. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):26–30

METABOLISM

Immunoreactivity of PTH-binding in intact bovine kidney tissue and cultured cortical kidney cells indicative for specific receptors. Niendorf A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:207–11

Functional domains of apolipoprotein E and apolipoprotein B. Innerarity TL, et al. **Acta Med Scand [Suppl]** 1987; 715:51–9 (27 ref.)

Receptor autoradiographical evidence for high densities of 125I-neuropeptide Y binding sites in the nucleus tractus solitarius of the normal male rat. Härfstrand A, et al. **Acta Physiol Scand** 1986 Oct;128(2):195–200

Type III hyperlipoproteinemia: a focus on lipoprotein receptor-apolipoprotein E2 interactions. Innerarity TL, et al. **Adv Exp Med Biol** 1986;201:273–88 (30 ref.)

Functional adaptations of transbilayer proteins. Marchesi VT. **Adv Exp Med Biol** 1986;205:107–20

Internalization of hormone receptor complexes: route and significance. Posner BI, et al. **Adv Exp Med Biol** 1986; 205:185–201 (62 ref.)

Coupling of guanine nucleotide inhibitory protein to somatostatin receptors on pancreatic acinar membranes. Sakamoto C, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G308–14

Graphic presentation and analysis of inhibition data from ligand-binding experiments. Bylund DB. **Anal Biochem** 1986 Nov 15;159(1):50–7

Mechanism of receptor kinase action on membrane protein recycling. Corvera S, et al. **Ann NY Acad Sci** 1986; 488:419–29

Complex interaction between factor Va-light chain and thrombomodulin in the regulation of protein C activation. Salem HH, et al. **Ann NY Acad Sci** 1986;485:221–7

Nerve growth factor binding to cells derived from neurofibromas. Sonnenfeld KH, et al. **Ann NY Acad Sci** 1986;486:107–14

The influence of progestins on receptor levels in breast cancer metastasis. Lundgren S, et al. **Anticancer Res** 1987 Jan-Feb; 7(1):119–23

A proline-rich polypeptide (PRP) with immunoregulatory properties isolated from ovine colostrum. Murine thymocytes have on their surface a receptor specific for PRP. Janusz M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(4):427–36

Downregulation of high density lipoprotein receptor activity of cultured fibroblasts by platelet-derived growth factor. Oppenheimer MJ, et al. **Arteriosclerosis** 1987 Jul-Aug; 7(4):325–32

Receptor-mediated binding of leukocyte elastase by chondrocytes. Bartholomew JS, et al. **Arthritis Rheum** 1987 Apr;30(4):431–8

Specific binding of atrial natriuretic factor to renal glomeruli in Doca- and Doca-salt-treated rats correlation with atrial and plasma levels. Gauquelin G, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):522–31

Association of the atrial natriuretic factor receptor with guanylate cyclase in solubilized rat glomerular membranes. Hamada M, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):257–62

Binding characteristics of atrial natriuretic factor and the production of cyclic GMP in kidneys of Dahl salt-sensitive and salt-resistant rats. Hinko A, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):1076–83

Identification of an atrial natriuretic peptide specific receptor in human kidney. Ishikawa Y, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):135–9

Receptors for transferrin and transcobalamin II display segregated distribution on microvilli of leukemia L1210 cells. Kishimoto T, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1102–8

Atrial natriuretic peptide, ANP(99–126), receptors in rat thymocytes and spleen cells. Kurihara M, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):789–96

Rat transformation-associated proteins (TAP) induced by Moloney murine sarcoma virus interact with specific receptors on normal rat kidney cells. Li WJ, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):513–8

Binding constants of soluble NGF-receptors in rat oligodendrocytes and astrocytes in culture. Marchetti D, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):422–7

GTP regulation of platelet-activating factor binding to human neutrophil membranes. Ng DS, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):353–9

Rapid modulation of tumor necrosis factor membrane receptors by activators of protein kinase C. Scheurich P, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):855–60

Loss of nerve growth factor receptors in sympathetic ganglia from aged mice. Uchida Y, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):797–801

Stereospecific recognition sites for [3H]inositol(1,4,5)-triphosphate in particulate preparations of rat cerebellum. Willcocks AL, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1071–8

Receptor-mediated heme uptake from hemopexin by human erythroleukemia K562 cells. Taketani S, et al. **Biochem Int** 1986 Aug;13(2):307–12

The effect of phospholipids on the activation of protein C by the human thrombin-thrombomodulin complex. Freyssinet JM, et al. **Biochem J** 1986 Aug 15;238(1):151–7

Rapid formation of inositol 1,3,4,5-tetrakisphosphate and inositol 1,3,4-trisphosphate in rat parotid glands may both result indirectly from receptor-stimulated release of inositol 1,4,5-trisphosphate from phosphatidylinositol 4,5-bisphosphate. Hawkins PT, et al. **Biochem J** 1986 Sep 1;238(2):507–16

Thrombin-induced phosphoinositide hydrolysis in platelets. Receptor occupancy and desensitization. Huang EM, et al. **Biochem J** 1987 Feb 15;242(1):11–8

Renal plasma membrane receptors for certain modified serum albumins. Evidence for participation of a heparin receptor. Ranganathan PN, et al. **Biochem J** 1986 Nov 1; 239(3):537–43

Identification of signal sequence binding proteins integrated into the rough endoplasmic reticulum membrane. Robinson A, et al. **Biochem J** 1987 Mar 15;242(3):767–77

Species difference in the specific receptors of platelet activating factor. Hwang SB, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4511–8

Regulation of signal transduction by signal-controlled effector systems. Bauer S, et al. **Biochem Soc Trans** 1987 Feb;15(1):24–6

Assessment of a ternary model for the binding of agonists to neurohumoral receptors. Lee TW, et al. **Biochemistry** 1986 Nov 4;25(22):7009–20

Characterization of a fragment of bovine von Willebrand factor that binds to platelets. Mascelli MA, et al. **Biochemistry** 1986 Oct 7;25(20):6325–35

Covalent labeling of a high-affinity, guanyl nucleotide

sensitive parathyroid hormone receptor in canine renal cortex. Nissenson RA, et al. **Biochemistry** 1987 Apr 7; 26(7):1874–8

Atrial natriuretic factor receptor on cultured Leydig tumor cells: ligand binding and photoaffinity labeling. Pandey KN, et al. **Biochemistry** 1986 Dec 30;25(26):8467–72

Binding of thrombin to thrombomodulin accelerates inhibition of the enzyme by antithrombin III. Evidence for a heparin-independent mechanism. Preissner KT, et al. **Biochemistry** 1987 May 5;26(9):2521–8

Nonionic detergents increase the stoichiometry of ligand binding to the rat hepatic galactosyl receptor. Ray DA, et al. **Biochemistry** 1986 Oct 7;25(20):6097–103

Inhibition of beta nerve growth factor binding to PC12 cells by alpha nerve growth factor and gamma nerve growth factor. Woodruff NR, et al. **Biochemistry** 1986 Dec 2; 25(24):7967–74

Beta nerve growth factor binding to PC12 cells. Association kinetics and cooperative interactions. Woodruff NR, et al. **Biochemistry** 1986 Dec 2;25(24):7956–66

Regulation of lipoprotein receptors on rat hepatomas in vivo. Barnard GF, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):301–12

The effect of variations in lipid composition of high-density lipoprotein on its interaction with receptors on human fibroblasts. Brinton EA, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):68–75

Characterization of the specific binding of rat apolipoprotein E-deficient HDL to rat hepatic plasma membranes. Mitchel YB, et al. **Biochim Biophys Acta** 1987 Feb 14; 917(2):324–32

Transport characteristics of system A in the rat exocrine pancreatic epithelium analyzed using the specific non-metabolized amino acid analogue alpha-methylaminoisobutyric acid. Norman PS, et al. **Biochim Biophys Acta** 1986 Oct 9;861(2):389–94

Cell-surface receptors: puzzles and paradigms. Geisow MJ. **Bioessays** 1986 Apr;4(4):149–51

The galactose-recognizing system of rat peritoneal macrophages. Receptor-mediated binding and uptake of glycoproteins. Kelm S, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):989–98

Receptor-mediated responses of plasma membranes isolated from Lytechinus pictus spermatozoa. Bentley JK, et al. **Biol Reprod** 1986 Dec;35(5):1249–59

Platelet-activating factor binding to human platelet membranes. Valone FH, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):465–70

Direct evidence for the interaction of the nucleotide affinity analog 5'-p-fluorosulfonylbenzoyl adenosine with a platelet ADP receptor. Figures WR, et al. **Blood** 1987 Sep; 70(3):796–803

Protein C inhibits endocytosis of thrombin-thrombomodulin complexes in A549 lung cancer cells and human umbilical vein endothelial cells. Maruyama I, et al. **Blood** 1987 May; 69(5):1481–4

Control of heme internalization and metabolism in tumor cells: evidence for a heme-receptor? Gambari R, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):849–52

Binding of urokinase to specific receptor sites on human breast cancer membranes. Needham GK, et al. **Br J Cancer** 1987 Jan;55(1):13–6

Neuron-like cells in long-term neural crest cultures are not targets of nerve growth factor. Bernd P. **Brain Res** 1987 May;430(1):31–8

Comparison of binding sites for the calcitonin gene-related peptides I and II in man. Henke H, et al. **Brain Res** 1987 May 5;410(2):404–8

Localization and characterization of atrial natriuretic peptide binding sites in discrete areas of rat brain and pituitary gland by quantitative autoradiography. Kurihara M, et al. **Brain Res** 1987 Apr 7;408(1–2):31–9

Receptors and functional linkage in membrane permeability: a quantum mechanical model. Lumsden CJ. **Bull Math Biol** 1986;48(5–6):545–67

Early spontaneous deficiency of calcitonin renal binding sites in rats with a high incidence of calcitonin-secreting tumors (WAG/Rij). Bouizar Z, et al. **Cancer Res** 1987 Jul 1; 47(13):3595–8

Patterns of ligand binding to normal, regenerating, preneoplastic, and neoplastic rat hepatocytes. Harris L, et al. **Cancer Res** 1987 Aug 1;47(15):3954–8

Yeast peptide pheromones, a-factor and alpha-factor, activate a common response mechanism in their target cells. Bender A, et al. **Cell** 1986 Dec 26;47(6):929–37

The transforming growth factor-beta system, a complex pattern of cross-reactive ligands and receptors. Cheifetz S, et al. **Cell** 1987 Feb 13;48(3):409–15

In vivo binding and uptake of low-density lipoprotein-gold- and albumin-gold conjugates by parenchymal and sinusoidal cells of the fetal rat liver. Franke H, et al. **Cell Tissue Res** 1987 Jul;249(1):221–6

Effect of retinoic acid on nerve growth factor receptors. Haskell BE, et al. **Cell Tissue Res** 1987 Jan;247(1):67–73

Analysis of the properties of binding of calcium-channel activators and inhibitors to dihydropyridine receptors in chick heart membranes. Maan AC, et al. **Circ Res** 1987 Sep;61(3):379–88

Increased atrial natriuretic factor receptor density in cultured vascular smooth muscle cells of the spontaneously hypertensive rat. Khalil F, et al. **Clin Exp Hypertens [A]** 1987;9(4):741–52

Cellular and molecular biology of lipoprotein metabolism: characterization of lipoprotein receptor-ligand interactions. Mahley RW, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:821–8

Isolation and characterization of proteolytic fragments of the sea urchin sperm receptor that retain species specificity. Ruiz-Bravo N, et al. **Dev Biol** 1986 Nov;118(1):202–8

Diabetes and lipoprotein receptors. Kraemer FB. **Diabetes Metab Rev** 1987 Jul;3(3):591–618 (223 ref.)

The internalization of nerve growth factor by high-affinity receptors on pheochromocytoma PC12 cells. Hosang M, et al. **EMBO J** 1987 May;6(5):1197–202

Regulation of cell surface receptors for different hematopoietic growth factors on myeloid leukemic cells. Lotem J, et al. **EMBO J** 1986 Sep;5(9):2163–70

Affinity labeling of hormone-specific proteins. Sweet F, et al. **Endocr Rev** 1987 May;8(2):154–84 (125 ref.)

Increased atrial natriuretic peptide binding sites in the rat subfornical organ after water deprivation. Saavedra JM, et al. **Endocrinology** 1987 Jan;120(1):426–8

Receptor-mediated endocytosis of transferrin and ferritin by guinea-pig reticulocytes. Uptake by a common endocytic pathway. Blight GD, et al. **Eur J Cell Biol** 1987 Apr; 43(2):260–5

Quantification and localization of galactose-specific binding sites in rat liver during postnatal development. Dini L, et al. **Eur J Cell Biol** 1987 Aug;44(1):144–50

Regional variation in high-density lipoprotein binding to human adipocyte plasma membranes of massively obese subjects. Salter AM, et al. **Eur J Clin Invest** 1987 Feb; 17(1):16–22

A rosette receptor assay with haem-microbeads. Demonstration of a haem receptor on K562 cells. Majuri R, et al. **Eur J Haematol** 1987 Jan;38(1):21–5

Selective displacement of [3H]mepyramine from peripheral vs. central nervous system receptors by loratadine, a non-sedating antihistamine. Ahn HS, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):153–5

Autoradiographic analysis of receptors on vascular endothelium. Stephenson JA, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):35–43

Evidence that antagonism at non-NMDA receptors results in anticonvulsant action. Turski L, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):69–73

Alpha-factor inhibition of the rate of cell passage through the "start" step of cell division in Saccharomyces cerevisiae yeast: estimation of the division delay per alpha-factor.receptor complex. Moore SA. **Exp Cell Res** 1987 Aug;171(2):411–25

The existence of B/E and E receptors on Hep-G2 cells: a study using colloidal gold- and 125I-labeled lipoproteins. Hesz A, et al. **Exp Mol Pathol** 1987 Jun;46(3):372–82

A new approach to the molecular evolution of hormones: the receptorial aspect. Csaba G. **Experientia [Suppl]** 1987; 53:149–53

Why do hormone receptors arise? An introduction. Csaba G. **Experientia [Suppl]** 1987;53:7–13 (36 ref.)

Receptors for intercellular messenger molecules in microbes: similarities to vertebrate receptors and possible implications for diseases in man. LeRoith D, et al. **Experientia [Suppl]** 1987;53:167–80 (53 ref.)

Proliferation of a human epidermal tumor cell line stimulated by urokinase. Kirchheimer JC, et al. **FASEB J** 1987 Aug; 1(2):125–8

Activity of human, bovine and porcine platelet-derived growth factor in a radioreceptor assay with human placental membrane protein. Czyrski JA, et al. **FEBS Lett** 1987 Jul 27;219(2):331–4

Atrial natriuretic factor receptors and stimulation of cyclic GMP formation in normal and malignant osteoblasts. Fletcher AE, et al. **FEBS Lett** 1986 Nov 24;208(2):263–8

Binding of synthetic beta-human atrial natriuretic peptide to cultured rat vascular smooth muscle cells. Hirata Y, et al. **FEBS Lett** 1987 Jul 27;219(2):369–74

Evidence for a GTP-binding protein coupling thrombin receptor to PIP2-phospholipase C in membranes of hamster fibroblasts. Magnaldo I, et al. **FEBS Lett** 1987 Jan 1; 210(1):6–10

Receptor binding, cGMP stimulation and receptor desensitization by atrial natriuretic peptides in cultured A10 vascular smooth muscle cells. Neuser D, et al. **FEBS Lett** 1986 Dec 15;209(2):347–51

Platelet membrane components and receptors. Niewiarowski S. **Haematologia (Budap)** 1987;20(1):3–14 (89 ref.)

Thrombomodulin activity is found in tissue thromboplastin preparations from placenta and from lung but not from brain. Freyssinet JM, et al. **Haemostasis** 1987;17(3):114–20

The role of an albumin receptor in hepatic organic anion uptake: the controversy continues. Wolkoff AW. **Hepatology** 1987 Jul-Aug;7(4):777–9

A peculiar phenomenon: increased polypeptide hormone binding (receptor accumulation) in the midbody region. Kovács P, et al. **Histochemistry** 1986;85(6):529–31

Decreased density of vascular receptors for atrial natriuretic peptide in DOCA-salt hypertensive rats. Schiffrin EL, et al. **Hypertension** 1987 May;9(5):504–12

Identification of a specific receptor for plasmin on a group A streptococcus. Lottenberg R, et al. **Infect Immun** 1987 Aug;55(8):1914–8

Receptors labeled with gamma-emitting radiotracers. Eckelman WC. **Int J Rad Appl Instrum [B]** 1986; 13(2):135–9 (34 ref.)

Receptor-mediated endocytosis in liver parenchymal cells. Geuze HJ, et al. **Int Rev Exp Pathol** 1986;29:113–71 (285 ref.)

Does receptor-linked phosphoinositide metabolism provide messengers mobilizing calcium in nervous tissue? Hawthorne JN. **Int Rev Neurobiol** 1986;28:241–73 (173 ref.)

Outer membrane protein mediating iron uptake via pyoverdinpss, the fluorescent siderophore produced by Pseudomonas syringae pv. syringae. Cody YS, et al. **J Bacteriol** 1987 May;169(5):2207–14

Ferric-coprogen receptor FhuE of Escherichia coli: processing and sequence common to all TonB-dependent outer membrane receptor proteins. Sauer M, et al. **J Bacteriol** 1987 May;169(5):2044–9

Distinction in the mode of receptor-mediated endocytosis between high density lipoprotein and acetylated high density lipoprotein: evidence for high density lipoprotein receptor-mediated cholesterol transfer. Murakami M, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):729–41

Structure of the trypsin-binding domain of Bowman-Birk type protease inhibitor and its interaction with trypsin. Tsunogae Y, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1637–46

Human mammary cancer cell mutants with altered hormone receptor activity. Ueda H, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):341–8

Binding and crosslinking of 125I-labeled recombinant human tumor necrosis factor to cell surface receptors. Yoshie O, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):531–41

Modulation of receptors and cytotoxic response of tumor necrosis factor-alpha by various lectins. Aggarwal BB, et al. **J Biol Chem** 1986 Oct 15;261(29):13652–6

The receptor-binding sequence of urokinase. A biological function for the growth-factor module of proteases. Appella E, et al. **J Biol Chem** 1987 Apr 5;262(10):4437–40

Receptor-mediated activation of spermatozoan guanylate cyclase. Bentley JK, et al. **J Biol Chem** 1986 Nov 15; 261(32):14859–62

Regulation of glycogen synthase activity by growth factors. Relationship between synthase activation and receptor occupancy. Chan CP, et al. **J Biol Chem** 1987 Jan 5; 262(1):276–81

Identification and purification of a kidney membrane protein which specifically binds the amino-terminal domain of native parathyroid hormone. Chuang J, et al. **J Biol Chem** 1987 Aug 5;262(22):10760–6

Binding of single-chain prourokinase to the urokinase receptor of human U937 cells. Cubellis MV, et al. **J Biol Chem** 1986 Dec 5;261(34):15819–22

Reconstitution of rabbit thrombomodulin into phospholipid vesicles. Galvin JB, et al. **J Biol Chem** 1987 Feb 15; 262(5):2199–205

Identification and characterization of a high density lipoprotein-binding protein in cell membranes by ligand blotting. Graham DL, et al. **J Biol Chem** 1987 Jun 5; 262(16):7439–42

A single Mr approximately 103,000 125I-beta-nerve growth factor-affinity-labeled species represents both the low and high affinity forms of the nerve growth factor receptor. Green SH, et al. **J Biol Chem** 1986 Nov 15; 261(32):15316–26

Intracellular receptors for inositol 1,4,5-trisphosphate in angiotensin II target tissues. Guillemette G, et al. **J Biol Chem** 1987 Jan 25;262(3):1010–5

Activation of platelets by alpha-thrombin is a receptor-mediated event. D-phenylalanyl-L-prolyl-L-arginine chloromethyl ketone-thrombin, but not N alpha-tosyl-L-lysine chloromethyl ketone-thrombin, binds to the high affinity thrombin receptor. Harmon JT, et al. **J Biol Chem** 1986 Dec 5;261(34):15928–33

Synthesis, phosphorylation, and degradation of multiple forms of the platelet-derived growth factor receptor studied using a monoclonal antibody. Hart CE, et al. **J Biol Chem** 1987 Aug 5;262(22):10780–5

Specific binding of [3H]dihydrokadsurenone to rabbit platelet membranes and its inhibition by the receptor agonists and antagonists of platelet-activating factor. Hwang SB, et al. **J Biol Chem** 1986 Oct 15;261(29):13720–6

Cholesterol flux between cells and high density lipoprotein. Lack of relationship to specific binding of the lipoprotein to the cell surface. Karlin JB, et al. **J Biol Chem** 1987 Sep 15;262(26):12557–64

Processing of the platelet-derived growth factor receptor. Biosynthetic and degradation studies using anti-receptor antibodies. Keating MT, et al. **J Biol Chem** 1987 Jun 5; 262(16):7932–7

Proteolytic formation and properties of functional domains of thrombomodulin. Kurosawa S, et al. **J Biol Chem** 1987 Feb 15;262(5):2206–12

ATP depletion causes a reversible redistribution and inactivation of a subpopulation of galactosyl receptors in isolated rat hepatocytes. McAbee DD, et al. **J Biol Chem** 1987 Feb 15;262(5):1942–5

Receptor interconversion model of hormone action. I. ATP-mediated conversion of estrogen receptors from a high to lower affinity state and its relationship to antiestrogen action. McNaught RW, et al. **J Biol Chem** 1986 Dec 25;261(36):17011–7

Phosphatidic acid may stimulate membrane receptors mediating adenylate cyclase inhibition and phospholipid breakdown in 3T3 fibroblasts. Murayama T, et al.

J Biol Chem 1987 Apr 25;262(12):5522–9

Interaction of high density lipoprotein with its receptor on cultured fibroblasts and macrophages. Evidence for reversible binding at the cell surface without internalization. Oram JF, et al. **J Biol Chem** 1987 Feb 15; 262(5):2405–10

Receptor interconversion model of hormone action. II. Nucleotide–mediated conversion of estrogen receptors from nonsteroid binding to the lower affinity binding state. Raymoure WJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):17018–25

Binding and receptor–mediated endocytosis of erythropoietin in Friend virus–infected erythroid cells. Sawyer ST, et al. **J Biol Chem** 1987 Apr 25;262(12):5554–62

Truncated atrial natriuretic peptide analogs. Comparison between receptor binding and stimulation of cyclic GMP accumulation in cultured vascular smooth muscle cells. Scarborough RM, et al. **J Biol Chem** 1986 Oct 5; 261(28):12960–4

Species specificity of human and murine tumor necrosis factor. A comparative study of tumor necrosis factor receptors. Smith RA, et al. **J Biol Chem** 1986 Nov 15; 261(32):14871–4

Cell surface receptor for hemopexin in human leukemia HL60 cells. Specific binding, affinity labeling, and fate of heme. Taketani S, et al. **J Biol Chem** 1987 Apr 5;262(10):4639–43

Possible involvement of lumichrome in the binding of storage protein to its receptor in Sarcophaga peregrina. Ueno K, et al. **J Biol Chem** 1987 Sep 15;262(26):12780–4

Characterization of inositol trisphosphate receptor binding in brain. Regulation by pH and calcium. Worley PF, et al. **J Biol Chem** 1987 Sep 5;262(25):12132–6

Characterization of a photoalkylated psoralen receptor in HeLa cells. Yurkow EJ, et al. **J Biol Chem** 1987 Jun 25; 262(18):8439–42

Transformation by the v–fms oncogene product: an analog of the CSF–1 receptor. Rettenmier CW, et al. **J Cell Biochem** 1987 Feb;33(2):109–15 (75 ref.)

Urokinase–type plasminogen activator: proenzyme, receptor, and inhibitors. Blasi F, et al. **J Cell Biol** 1987 Apr; 104(4):801–4 (70 ref.)

Two distinct attachment sites for vimentin along the plasma membrane and the nuclear envelope in avian erythrocytes: a basis for a vectorial assembly of intermediate filaments. Georgatos SD, et al. **J Cell Biol** 1987 Jul;105(1):105–15

The plasminogen system and cell surfaces: evidence for plasminogen and urokinase receptors on the same cell type. Plow EF, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2411–20

Distribution and modulation of the cellular receptor for transforming growth factor–beta. Wakefield LM, et al. **J Cell Biol** 1987 Aug;105(2):965–75

Effect of phagocytosis on receptor distribution and endocytic activity in macrophages. Buys SS, et al. **J Cell Physiol** 1987 Jun;131(3):442–9

Characterization of the receptor for protease nexin–1:protease complexes on human fibroblasts. Howard EW, et al. **J Cell Physiol** 1987 May;131(2):276–83

Macrophage cell lines transformed by the malignant histiocytosis sarcoma virus: increase of CSF receptors suggests a model for transformation. Klingler K, et al. **J Cell Physiol** 1987 Jul;132(1):22–32

Oxytocin and vasopressin: distinct receptors in myometrium. Guillon G, et al. **J Clin Endocrinol Metab** 1987 Jun; 64(6):1129–35

Lipoprotein binding to cultured human hepatoma cells. Krempler F, et al. **J Clin Invest** 1987 Aug;80(2):401–8

Stimulated mobilization of monocyte Mac–1 and p150,95 adhesion proteins from an intracellular vesicular compartment to the cell surface. Miller LJ, et al. **J Clin Invest** 1987 Aug;80(2):535–44

Endotoxin enhances tissue factor and suppresses thrombomodulin expression of human vascular endothelium in vitro. Moore KL, et al. **J Clin Invest** 1987 Jan;79(1):124–30

Uptake of oleate from albumin solutions by rat liver. Failure to detect catalysis of the dissociation of oleate from albumin by an albumin receptor. Weisiger RA, et al. **J Clin Invest** 1987 Apr;79(4):1070–7

Nerve growth factor (NGF) receptor expression in chicken cranial development. Raivich G, et al. **J Comp Neurol** 1987 Feb 8;256(2):229–45

Assembly of the prothrombin activator complex on rabbit alveolar macrophage high–affinity factor Xa receptors. A kinetic study. McGee MP, et al. **J Exp Med** 1986 Dec 1;164(6):1902–14

Leishmania promastigotes are recognized by the macrophage receptor for advanced glycosylation endproducts. Mosser DM, et al. **J Exp Med** 1987 Jan 1;165(1):140–5

Atrial natriuretic peptide (6–33) binding sites: decreased number and affinity in the subfornical organ of spontaneously hypertensive rats. Saavedra JM. **J Hypertens [Suppl]** 1986 Oct;4(3):S313–6

Differential effects of type I IFN and IFN–gamma on the binding of tumor necrosis factor to receptors in two human cell lines. Tsujimoto M, et al. **J Immunol** 1986 Oct 1; 137(7):2272–6

Adenosine receptors on rabbit alveolar macrophages: binding characteristics and effects on cellular function. Hasday JD, et al. **J Lab Clin Med** 1987 Sep;110(3):264–73

Receptor binding and activation of polymorphonuclear neutrophils by tumor necrosis factor–alpha. Shalaby MR, et al. **J Leukocyte Biol** 1987 Mar;41(3):196–204

Recognition of vesicular lipoproteins by the apolipoprotein B,E receptor of cultured fibroblasts. Williams KJ, et al. **J Lipid Res** 1986 Aug;27(8):892–900

Nerve growth factor receptors in human neuroblastoma cells. Marchetti D, et al. **J Neurochem** 1987 Aug;49(2):475–86

Identification of atrial natriuretic factor receptor of neuroblastoma N4TG1 cells: binding characteristics and photoaffinity labeling. Pandey KN, et al. **J Neurochem** 1987 May;48(5):1547–52

Targeting of liposomes to cells bearing nerve growth factor receptors mediated by biotinylated nerve growth factor. Rosenberg MB, et al. **J Neurochem** 1987 Mar;48(3):865–75

Characteristics of partially purified nerve growth factor receptor. Stach RW, et al. **J Neurochem** 1987 Oct; 49(4):1280–5

Demonstration of the retrograde transport of nerve growth factor receptor in the peripheral and central nervous system. Johnson EM Jr, et al. **J Neurosci** 1987 Mar; 7(3):923–9

Cross–linking of atrial natriuretic peptide to binding sites in rat olfactory bulb membranes. Wildey GM, et al. **J Neurosci** 1986 Dec;6(12):3767–76

Basal forebrain magnocellular neurons stain for nerve growth factor receptor: correlation with cholinergic cell bodies and effects of axotomy. Springer JE, et al. **J Neurosci Res** 1987;17(2):111–8

Binding of nerve growth factor to its receptor. Stach RW, et al. **J Neurosci Res** 1987;17(1):1–10

Receptors for nerve growth factor on rat spleen mononuclear cells. Thorpe LW, et al. **J Neurosci Res** 1987;17(2):128–34

Copper deficiency–induced hypercholesterolemia: effects on HDL subfractions and hepatic lipoprotein receptor activity in the rat. Lefevre M, et al. **J Nutr** 1986 Sep;116(9):1735–46

Activation of excitatory amino acid receptors may mediate the folate–induced stimulation of locomotor activity after bilateral injection into the rat nucleus accumbens. Stephens RL Jr, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):627–33

Effects of long–term treatment with melatonin or melatonin plus ectopic pituitary transplants on testicular LH/hCG and prolactin receptors in juvenile Syrian hamsters (Mesocricetus auratus). Amador AG, et al. **J Reprod Fertil** 1986 Nov;78(2):557–64

Charge effect on binding, uptake and transport of ferritin through fenestrated endothelium. Ghinea N, et al. **J Submicrosc Cytol** 1986 Oct;18(4):647–59

Intrarenal localization of receptors for alpha–rat atrial natriuretic polypeptide: an autoradiographic study with [125I]–labeled ligand injected in vivo into the rat aorta. Koseki C, et al. **Jpn J Pharmacol** 1986 Sep;42(1):27–33

Binding sites of calcitonin gene–related peptide (CGRP): abundant occurrence in visceral organs. Nakamuta H, et al. **Jpn J Pharmacol** 1986 Oct;42(2):175–80

Atrial natriuretic peptide binding properties of purified rat glomerular membranes. Hamada M, et al. **Life Sci** 1987 Apr 27;40(17):1731–7

Differential changes in atrial natriuretic peptide and vasopressin receptor bindings in kidney of spontaneously hypertensive rat. Ogura T, et al. **Life Sci** 1987 Jan 19; 40(3):233–8

Platelet receptors for atrial natriuretic peptide in man. Strom TM, et al. **Life Sci** 1987 Feb 23;40(8):769–73

Binding sites for atrial natriuretic factor (ANF) in kidneys and adrenal glands of spontaneously hypertensive (SHR) rats. Swithers SE, et al. **Life Sci** 1987 Apr 27;40(17):1673–81

Tissue slices in radioligand binding assays: studies in brain, pineal and muscle. Wilkinson M, et al. **Life Sci** 1986 Dec 1;39(22):2037–48 (80 ref.)

Binding of alpha–factor pheromone to Saccharomyces cerevisiae a cells: dissociation constant and number of binding sites. Jenness DD, et al. **Mol Cell Biol** 1986 Jan; 6(1):318–20

Molecular characterization of the solubilized atrial natriuretic factor receptor from bovine adrenal zona glomerulosa. Meloche S, et al. **Mol Pharmacol** 1986 Dec;30(6):537–43

Timing and site of nerve growth factor synthesis in developing skin in relation to innervation and expression of the receptor. Davies AM, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):353–8

A signal sequence receptor in the endoplasmic reticulum membrane. Wiedmann M, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):830–3

Inositol trisphosphate receptor localization in brain: variable stoichiometry with protein kinase C. Worley PF, et al. **Nature** 1987 Jan 8–14;325(7000):159–61

Capsaicin sensitive afferent neurons from peripheral glucose receptors mediate the insulin–induced increase in adrenaline secretion. Amann R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):71–6

Neural crest–derived proprioceptive neurons express nerve growth factor receptors but are not supported by nerve growth factor in culture. Davies AM, et al. **Neuroscience** 1987 Jan;20(1):37–46

The localization and distribution of high affinity beta–nerve growth factor binding sites in the central nervous system of the adult rat. A light microscopic autoradiographic study using [125I]beta–nerve growth factor. Raivich G, et al. **Neuroscience** 1987 Jan;20(1):23–36

Nerve growth factor receptors in rat spinal cord: an autoradiographic and immunohistochemical study. Yip HK, et al. **Neuroscience** 1987 Jul;22(1):267–79

Immunohistochemical study on binding sites of synthetic rat–atrial natriuretic peptide in nephron–reduced rats. Nitta K, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1245–8

Structure–function relationships of platelet glycoprotein Ib as a receptor for von Willebrand factor. Handa M, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1577–82

Platelet thrombin receptor. Takamatsu J. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1569–76

A liver cell receptor for uptake of free fatty acids. **Nutr Rev** 1987 Jan;45(1):30–2 (8 ref.)

Binding sites of atrial natriuretic peptide in tree shrew adrenal gland. Fuchs E, et al. **Peptides** 1986 Sep–Oct;7(5):873–6

Autoradiographic distribution of 125I–galanin binding sites in the rat central nervous system. Skofitsch G, et al. **Peptides** 1986 Nov–Dec;7(6):1029–42

Atrial natriuretic peptide receptors along the rat and rabbit nephrons: [125I] alpha–rat atrial natriuretic peptide binding in microdissected glomeruli and tubules. Butlen D, et al. **Pflugers Arch** 1987 Apr;408(4):356–65

A simple and rapid orientation procedure for the estimation of affinities (1/Kd) and maximum binding capacities (Bmax) of ligand binding to two receptor subpopulations. Hynie S, et al. **Physiol Bohemoslov** 1986;35(4):299–307

Down–regulation of rat kidney calcitonin receptors by salmon calcitonin infusion evidenced by autoradiography. Bouizar Z, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5125–8

II–BGlc, a glucose receptor of the bacterial phosphotransferase system: molecular cloning of ptsG and purification of the receptor from an overproducing strain of Escherichia coli. Bouma CL, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):930–4

Specific binding of atrial natriuretic factor in brain microvessels. Chabrier PE, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2078–81

Human endothelial cells synthesize and express an Arg–Gly–Asp–directed adhesion receptor involved in attachment to fibrinogen and von Willebrand factor. Cheresh DA. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6471–5

Characteristics of binding of human seminal alpha–inhibin–92 to human pituitary membranes. Ramasharma K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3595–8

Identification of the receptor for erythropoietin by cross–linking to Friend virus–infected erythroid cells. Sawyer ST, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3690–4

Specific binding of erythropoietin to its receptor on responsive mouse erythroleukemia cells. Todokoro K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4126–30

Purification of the colony–stimulating factor 1 receptor and demonstration of its tyrosine kinase activity. Yeung YG, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1268–71

Binding of cobalamin analogs to intrinsic factor–cobalamin receptor and its prevention by R binder. Kanazawa S, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):333–8

Receptor regulation of phosphoinositide and calcium metabolism. Taylor CW, et al. **Proc West Pharmacol Soc** 1986;29:307–9

Localization of atrial natriuretic peptide, ANP–(99–126) binding sites in the rat thymus and spleen with quantitative autoradiography. Kurihara M, et al. **Regul Pept** 1986 Nov; 15(4):341–6

Effect of indapamide on atrial natriuretic polypeptide receptor in spontaneously hypertensive rat kidney. Ogura T, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):291–8

Receptor–mediated binding, endocytosis and cellular processing of macromolecules conjugated with colloidal gold. Handley DA. **Scanning Microsc** 1987 Mar;1(1):359–67

Coexistence of guanylate cyclase and atrial natriuretic factor receptor in a 180–kD protein. Paul AK, et al. **Science** 1987 Mar 6;235(4793):1224–6

Megestrol acetate v tamoxifen in advanced breast cancer: correlation of hormone receptors and response. Ettinger DS, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 4):9–14

A monoclonal antibody that recognizes the receptor binding region of human urokinase plasminogen activator. Nolli ML, et al. **Thromb Haemost** 1986 Oct 21;56(2):214–8

Ovarian membrane receptors for LH, FSH and prolactin during the menstrual cycle and in polycystic ovary syndrome. Ota H, et al. **Tohoku J Exp Med** 1986 Jul; 149(3):231–40

Coupling of receptors to signal transducing components: use of anti–idiotypic antibodies to map the specific sites of interaction of receptors and guanyl nucleotide–binding proteins. Chang PP, et al. **Trans Assoc Am Physicians** 1985; 98:131–5

Identification of two binding sites for atrial natriuretic factor in endothelial cells: evidence for a receptor subtype coupled to guanylate cyclase. Leitman DC, et al. **Trans Assoc Am Physicians** 1986;99:103–13

Liver endothelium binds, transports, and desialates ceruloplasmin which is then recognized by galactosyl receptors of hepatocytes. Tavassoli M. **Trans Assoc Am Physicians** 1985;98:370–7

[HDL receptor activities in patients with familial hypercholesterolemia] Cai HJ. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):469–72, 512 (Eng. Abstr.) **(Chi)**

[Receptors and second messengers of hormone effects from a slightly different aspect] Hynie S. **Cas Lek Cesk** 1986 Sep 12;125(37):1154–8 (Eng. Abstr.) **(Cze)**

[Contribution of stereochemistry to the study of the spatial organization of pharmacological receptors] Boucherle A, et al. **J Pharmacol** 1986;17 Suppl 2:44–58 (Eng. Abstr.) **(Fre)**

[Endocrinology at the time of hormonal receptivity] Mauvais-Jarvis P. **Presse Med** 1986 Oct 11;15(34):1705–7 **(Fre)**

[Inositol phospholipids in transforming information in the cells] Kwiatkowska J. **Postepy Biochem** 1986;32(3):329–34 (21 ref.) **(Pol)**

[Cell receptors of thrombin] Monastyrskiĭ VA, et al. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):108–18 (86 ref.) (Eng. Abstr.) **(Rus)**

[New views on lipoprotein metabolism] Lepšanović L, et al. **Med Pregl** 1986;39(9–10):457–63 (Eng. Abstr.) **(Scr)**

PHARMACODYNAMICS

Effect of thrombomodulin on the kinetics of the interaction of thrombin with substrates and inhibitors. Hofsteenge J, et al. **Biochem J** 1986 Jul 1;237(1):243–51

Substance P and calcitonin gene-related peptide: effects on mast cells and in human skin. Foreman JC. **Int Arch Allergy Appl Immunol** 1987;82(3–4):366–71 (32 ref.)

[Effect of rabbit thrombomodulin on the inhibition of thrombin by the antithrombin–heparin complex: role of the acid domain of thrombomodulin] Bourin MC. **C R Acad Sci [III]** 1987;304(8):173–6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

1986 aspects of steroid hormone receptors: nuclear localization, 8S–hetero–oligomeric form, heat–shock protein component and antihormones. Baulieu EE. **Adv Biochem Psychopharmacol** 1987;43:103–13

Brain receptors for hypothalamic hormones. Catt KJ, et al. **Adv Biochem Psychopharmacol** 1987;43:51–67

Mechanisms involved in calcium–mobilizing agonist responses. Exton JH. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1986; 20:211–62 (379 ref.)

The receptor–mediated interaction of lipoproteins with liver cells. van Berkel TJ, et al. **Adv Exp Med Biol** 1987; 210:137–44

HDL subfractions, HDL receptors and HDL turnover. van Tol A, et al. **Adv Exp Med Biol** 1987;210:15–21

Ligand–receptor dynamics and signal amplification in the neutrophil. Sklar LA. **Adv Immunol** 1986;39:95–143 (223 ref.)

Effect of a milk diet on rat gastric mucosa: receptor activity, histamine metabolism and ultrastructural analyses. Gespach C, et al. **Agents Actions** 1987 Apr;20(3–4):265–9

Receptors and receptor mechanisms of endogenous platelet stimulatory and inhibitory mediators. MacIntyre DE, et al. **Agents Actions [Suppl]** 1986;20:45–62 (68 ref.)

Type II PTH receptor–operated calcium channel and its importance for PTH peptide elevations in coronary artery disease. Hesch RD, et al. **Am J Nephrol** 1986;6 Suppl 1:155–61

Renal effects of selective adenosine receptor agonists in anesthetized rats. Churchill PC, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F299–303

Insulin–sensitive glucoreceptors in rat preoptic area that regulate FFA mobilization. Coimbra CC, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E703–6

Inflammatory mediator receptors and asthma. Barnes PJ. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S26–31 (81 ref.)

Hormone–like activity of human thrombin. Bar–Shavit R, et al. **Ann NY Acad Sci** 1986;485:335–48

Interaction of thrombin with thrombomodulin. Esmon CT, et al. **Ann NY Acad Sci** 1986;485:215–20

Thrombin–receptor occupancy initiates a transient increase in cAMP levels in mitogenically responsive hamster (NIL) fibroblasts. Gordon EA, et al. **Ann NY Acad Sci** 1986; 485:249–63 (49 ref.)

Platelet activation by alpha–thrombin is a receptor–mediated event. Harmon JT, et al. **Ann NY Acad Sci** 1986;485:387–95

Thrombin–cellular interactions. Shuman MA. **Ann NY Acad Sci** 1986;485:228–39 (63 ref.)

Receptors for epidermal growth factor and other polypeptide mitogens. Carpenter G. **Annu Rev Biochem** 1987;56:881–914 (275 ref.)

Real–time spectroscopic analysis of ligand–receptor dynamics. Sklar LA. **Annu Rev Biophys Biophys Chem** 1987;16:479–506 (127 ref.)

Lymphocyte hormone receptors. Plaut M. **Annu Rev Immunol** 1987;5:621–69 (269 ref.)

Thrombin receptor occupancy initiates cell proliferation in the presence of phorbol myristic acetate. Gordon EA, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):650–6

The hepatic galactosyl receptor system: two different ligand dissociation pathways are mediated by distinct receptor populations. Weigel PH, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):43–50

Beta–1,3–glucan receptor and peptidoglycan receptor are present as separate entities within insect prophenoloxidase activating system. Yoshida H, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1177–84

Hormone receptor regulated proopiomelanocortin gene expression. Reisine T, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):191–5

Receptor–mediated endocytosis in steroid hormone–producing tissue. Suckling KE, et al. **Biochem Soc Trans** 1987 Apr;15(2):192–4 (25 ref.)

Inhibition of receptor–mediated stimulation of cyclic AMP accumulation in neuroblastoma–hybrid NCB–20 cells by a phorbol ester. Hollingsworth EB, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):272–8

Growth factors and their receptors: specific roles in development. Burgess AW. **Bioessays** 1987 Feb;6(2):79–81

Growth factors, receptors and cancer. Burgess AW. **Bioessays** 1986 Jul;5(1):15–8

Lactoferrin binding by leukemia cell lines. Yamada Y, et al. **Blood** 1987 Jul;70(1):264–70

Reticulospinal neurones activate excitatory amino acid receptors. Buchanan JT, et al. **Brain Res** 1987 Apr 7; 408(1–2):321–5

Motor actions of excitatory amino acids and their antagonists within the rat ventromedial thalamic nucleus. Klockgether T, et al. **Brain Res** 1986 Dec 3;399(1):1–9

REM sleep deprivation up–regulates adenosine A1 receptors. Yanik G, et al. **Brain Res** 1987 Feb 3;402(2):362–4

Integrins: a family of cell surface receptors. Hynes RO. **Cell** 1987 Feb 27;48(4):549–54 (50 ref.)

Regulation of transmembrane signaling by receptor phosphorylation. Sibley DR, et al. **Cell** 1987 Mar 27; 48(6):913–22 (104 ref.)

Cell–cell communication and hormonal imprinting: transmission of a receptor level effect of cells not directly influenced by the hormone. Csaba G, et al. **Cell Mol Biol** 1987;33(1):21–8

Role of growth factors and their receptors in the control of normal cell proliferation and cancer. Wahl MI, et al. **Clin Physiol Biochem** 1987;5(3–4):130–9 (66 ref.)

A quantitative study of the developmental expression of nerve growth factor (NGF) receptor in rats. Yan Q, et al. **Dev Biol** 1987 May;121(1):139–48

Specific receptor–mediated stimulation of progesterone secretion and cGMP accumulation by rat atrial natriuretic factor in cultured human granulosa–lutein (G–L) cells. Pandey KN, et al. **Endocrinology** 1987 Sep;121(3):1195–7

Interaction of receptors for insulin–like growth factor I, platelet–derived growth factor, and fibroblast growth factor in rat aortic cells. Pfeifle B, et al. **Endocrinology** 1987 Jun;120(6):2251–8

Neural plasticity vs. disease. Focus on the NMDA receptor in epilepsy and mental disorders. Beverly Hills, California, U.S.A., March 30–31, 1987. Abstracts. **Epilepsia** 1987 Jul–Aug;28(4):445–9

Colloidal gold labeling studies related to vascular and endothelial function, hemostasis and receptor–mediated processing of plasma macromolecules. Handley DA, et al. **Eur J Cell Biol** 1987 Feb;43(1):163–74 (208 ref.)

Down–regulation of atrial natriuretic peptide receptor and cyclic GMP response in cultured rat vascular smooth muscle cells. Hirata Y, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):439–42

Pathways of Ca2+ influx at the plasma membrane: voltage–, receptor–, and second messenger–operated channels. Meldolesi J, et al. **Exp Cell Res** 1987 Aug;171(2):271–83 (92 ref.)

Receptor ontogeny and hormonal imprinting. Csaba G. **Experientia [Suppl]** 1987;53:79–102 (92 ref.)

The special case of hormonal imprinting, the neonatal influence of sex. Döhler KD. **Experientia [Suppl]** 1987; 53:103–23 (116 ref.)

Mechanisms of receptor–mediated transmembrane signalling. Hollenberg MD. **Experientia [Suppl]** 1987;53:15–30 (57 ref.)

The mechanism of receptor development as implied by hormonal imprinting studies on unicellular organisms. Kovács P. **Experientia [Suppl]** 1987;53:125–35 (53 ref.)

A novel cholera toxin–sensitive G–protein (Gc) regulating receptor–mediated phosphoinositide signalling in human pituitary clonal cells. Lo WW, et al. **FEBS Lett** 1987 Aug 17;220(2):327–31

Peripheral effects of neurokinins: functional evidence for the existence of multiple receptors. Maggi CA, et al. **J Auton Pharmacol** 1987 Mar;7(1):11–32

Receptor–mediated endocytosis in Xenopus oocytes. I. Characterization of the vitellogenin receptor system. Opresko LK, et al. **J Biol Chem** 1987 Mar 25;262(9):4109–15

Receptor–mediated endocytosis in Xenopus oocytes. II. Evidence for two novel mechanisms of hormonal regulation. Opresko LK, et al. **J Biol Chem** 1987 Mar 25; 262(9):4116–23

The receptor for urokinase–plasminogen activator. Blasi F, et al. **J Cell Biochem** 1986;32(3):179–86 (20 ref.)

Cellular signal transduction and the reversal of malignancy. Lockwood AH, et al. **J Cell Biochem** 1987 Apr; 33(4):237–55 (82 ref.)

Ion channels and receptors. Titisee, 9–14 March 1986. **J Exp Biol** 1986 Sep;124:1–392

Receptors and ion channels. Evans PD, et al. **J Exp Biol** 1986 Sep;124:1–4

Amino acid receptor–mediated transmission at primary afferent synapses in rat spinal cord. Jessell TM, et al. **J Exp Biol** 1986 Sep;124:239–58

Ionic signalling by growth factor receptors. Moolenaar WH, et al. **J Exp Biol** 1986 Sep;124:359–73

Role of the adherence–promoting receptors, CR3, LFA–1, and p150,95, in binding of Histoplasma capsulatum by human macrophages. Bullock WE, et al. **J Exp Med** 1987 Jan 1;165(1):195–210

Down regulation of the receptors for tumor necrosis factor by interleukin 1 and 4 beta–phorbol–12–myristate–13–acetate. Holtmann H, et al. **J Immunol** 1987 Aug 15;139(4):1161–7

Lysosomal enzyme release from human monocytes by particulate activators is mediated by beta–glucan inhibitable receptors. Janusz MJ, et al. **J Immunol** 1987 Jun 1; 138(11):3897–901

Isolation of soluble yeast beta–glucans that inhibit human monocyte phagocytosis mediated by beta–glucan receptors. Janusz MJ, et al. **J Immunol** 1986 Nov 15;137(10):3270–6

Immunoregulatory activity of recombinant human tumor necrosis factor (TNF)–alpha: induction of TNF receptors on human T cells and TNF–alpha–mediated enhancement of T cell responses. Scheurich P, et al. **J Immunol** 1987 Mar 15;138(6):1786–90

Plasma membrane receptors. Vermeer BJ. **J Invest Dermatol** 1987 May;88(5):529–31

Calcium–dependent release of tyrosine in brain elicited by stimulation of neuropeptide receptors. Arnerić SP, et al. **J Neurochem** 1987 May;48(5):1581–9

Excitatory amino acid receptors and depolarization–induced Ca2+ influx into hippocampal slices. Crowder JM, et al. **J Neurochem** 1987 Jun;48(6):1917–24

Molecular basis for the functional abnormality in neutrophils from patients with generalized prepubertal periodontitis. Page RC, et al. **J Periodont Res** 1987 May;22(3):182–3

Amino acid receptor mediated excitatory synaptic transmission in the cat red nucleus. Davies J, et al. **J Physiol (Lond)** 1986 Jul;376:13–29

Receptors to vasopressin and other hormones in the mammalian kidney. Morel F, et al. **Kidney Int** 1987 Feb; 31(2):512–20 (54 ref.)

Role of the high density lipoprotein–receptor cycle in macrophage–cholesterol metabolism. Schmitz G, et al. **Klin Wochenschr** 1986 Oct 1;64(19):979–85

A second look at the second messenger hypothesis. Lichtstein D, et al. **Life Sci** 1987 May 25;40(21):2041–51 (90 ref.)

Growth factor receptors and cell transformation. Sherr CJ. **Mol Biol Med** 1987 Feb;4(1):1–10 (75 ref.)

The v–fms oncogene induces factor–independent growth and transformation of the interleukin–3–dependent myeloid cell line FDC–P1. Wheeler EF, et al. **Mol Cell Biol** 1987 May; 7(5):1673–80

Evaluation of models for analysis of radioligand binding data. Abramson SN, et al. **Mol Pharmacol** 1987 Jan;31(1):103–11

A novel receptor–operated Ca2+–permeable channel activated by ATP in smooth muscle. Benham CD, et al. **Nature** 1987 Jul 16–22;328(6127):275–8

Receptor–operated Ca channels [news] Neher E. **Nature** 1987 Mar 19–25;326(6110):242

Transforming potential of the c–fms proto–oncogene (CSF–1 receptor). Roussel MF, et al. **Nature** 1987 Feb 5–11; 325(6104):549–52

Signal recognition. Two receptors act sequentially [news] Walter P. **Nature** 1987 Aug 27–Sep 2;328(6133):763–4

Single sensory neurons activate excitatory amino acid receptors in the lamprey spinal cord. Brodin L, et al. **Neurosci Lett** 1987 Mar 20;75(1):75–9

Airway receptors and asthma. Barnes PJ. **New Engl Reg Allergy Proc** 1986 May–Jun;7(3):219–27 (50 ref.)

The role of beta–glucan receptors on blood and tissue leukocytes in phagocytosis and metabolic activation. Czop JK. **Pathol Immunopathol Res** 1986;5(3–5):286–96

What's new in receptor mediated growth promotion of normal and malignant cells? Dietel M. **Pathol Res Pract** 1987 Jun;182(3):431–42 (115 ref.)

Receptors in the gastrointestinal tract. Bertaccini G, et al. **Pharmacol Res Commun** 1987 Feb;19(2):87–118 (70 ref.)

Receptors mediating contraction of isolated human vas deferens. Canevari A, et al. **Pharmacol Res Commun** 1986 Sep;18(9):795–806

The structural characterization of beta–endorphin and related peptide hormones and neurotransmitters. Taylor JW, et al. **Pharmacol Rev** 1986 Dec;38(4):291–319 (169 ref.)

Neurite outgrowth on muscle cell surfaces involves extracellular matrix receptors as well as Ca2+–dependent and –independent cell adhesion molecules. Bixby JL, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2555–9

A high molecular weight component of the human tumor necrosis factor receptor is associated with cytotoxicity. Creasey AA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3293–7

Hepatic chylomicron remnant (apolipoprotein E) receptors. Their physiologic and clinical importance. Florén CH, et al. **Scand J Gastroenterol** 1987 Jun;22(5):513–20 (77 ref.)

Brain barrier tissues: end organs for atriopeptins. Steardo L, et al. **Science** 1987 Jan 23;235(4787):470–3

Evidence for the receptor–operated calcium channels in human platelet plasma membrane. Avdonin PV, et al. **Thromb Res** 1987 Apr 1;46(1):29–37

High– and low–affinity receptors regulate platelet responses to phorbol diesters and teleocidin. Cech P, et al. **Thromb Res** 1987 Mar 15;45(6):827–37

Analysis of distribution of receptors among platelets by flow cytometry. Kasahara K, et al. **Thromb Res** 1987 Mar 15; 45(6):763–70

Physiologically regulated atrial natriuretic peptide receptors in renal glomeruli. Ballermann BJ, et al. **Trans Assoc Am Physicians** 1985;98:92–100

Specific atrial natriuretic factor receptors mediate increased

cyclic GMP accumulation in cultured bovine aortic endothelial and smooth muscle cells. Leitman DC, et al. **Trans Assoc Am Physicians** 1985;98:243–52

The T cell receptor/T3 complex. Terhorst C, et al. **Year Immunol** 1986;2:245–53 (21 ref.)

[Isolation and receptor activity of mammalian lymphocytes] Georgieva R, et al. **Vet Med Nauki** 1987;24(5):27–32 (Eng. Abstr.) **(Bul)**

[Regulation of cell surface receptors] Song LC, et al. **Sheng Li Ko Hsueh Chin Chan** 1987 Jan;18(1):22–6 (39 ref.) **(Chi)**

[Growth, growth factors, receptors and oncogens] Buyssens N. **Acta Stomatol Belg** 1986 Dec;83(4):223–36 (8 ref.) **(Dut)**

[Metabolism of lipoproteins: role of specific receptors] Mathé D, et al. **Journ Annu Diabetol Hotel Dieu** 1987;:7–21 (39 ref.) **(Fre)**

[Progress in molecular endocrinology] Helmreich EJ. **Klin Wochenschr** 1986 Aug 1;64(15):669–81 **(Ger)**

[Molecular biology of gamete conjugation] Dietl J. **Naturwissenschaften** 1987 May;74(5):235–40 (107 ref.) (Eng. Abstr.) **(Ger)**

[Cell receptors and tumor markers] **Verh Dtsch Ges Pathol** 1986;70:1–691 **(Ger)**

[Receptor, marker and cell membrane: what value has additional morphological and molecular biology analysis of the cell membrane?] Bültmann B, et al. **Verh Dtsch Ges Pathol** 1986;70:391–2 (Eng. Abstr.) **(Ger)**

[Cell receptors—functions and deficiencies] Dietel M. **Verh Dtsch Ges Pathol** 1986;70:4–17 (Eng. Abstr.) **(Ger)**

[Information transmission and mechanism of receptors in smooth muscle] **Nippon Heikatsukin Gakkai Zasshi** 1986 Oct;22(5):395–407 **(Jpn)**

[General principles of receptor and neuron function] Liberman EA, et al. **Biofizika** 1987 Jan–Feb;32(1):161–3 (Eng. Abstr.) **(Rus)**

[Excitability of bronchial receptors in infectious allergic bronchial asthma] Prokopishina LV. **Klin Med (Mosk)** 1986 Aug;64(8):51–5 **(Rus)**

RADIATION EFFECTS

[Biochemical reception and ionizing irradiation of the body] Romantsev EF, et al. **Radiobiologiia** 1987 May–Jun; 27(3):291–6 (37 ref.) (Eng. Abstr.) **(Rus)**

RECEPTORS, ENDORPHIN

Circulatory events following spontaneous muscle exercise in normotensive and hypertensive rats. Shyu BC, et al. **Acta Physiol Scand** 1986 Dec;128(4):515–24

The molecular structure of opiate receptors. Wollemann M. **Neurochem Res** 1987 Feb;12(2):129–33 (31 ref.)

[Pharmacological study on an irreversible ligand of opioid receptors– 7 alpha–bis (beta–chloroethyl) amino–6, 14–endoetheno–tetrahydrooripavine (alpha–CAO)] Li LY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr;9(2):118–24 (Eng. Abstr.) **(Chi)**

ANALYSIS

Human placental opioid peptides: correlation to the route of delivery. Ahmed MS, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):703–6

Delta receptors in the rat vas deferens. Smith CF, et al. **Arch Int Pharmacodyn Ther** 1986 Dec;284(2):181–92

Physical characterization of native opiate receptors. Additional information from detailed binding analysis of a radiation–inactivated receptor. Glasel JA. **Biochim Biophys Acta** 1987 Sep 14;930(2):201–8

Exogenous cholecystokinin (CCK) reduces neonatal rat brain opioid receptor density and CCK levels. Johnson FE, et al. **Brain Res** 1987 Mar;429(1):139–46

Expression of neurotransmitter receptors and myc protooncogenes in subclones of a human neuroblastoma cell line. Sadée W, et al. **Cancer Res** 1987 Oct 1; 47(19):5207–12

Photoaffinity labeling of a delta–receptor component of NG 108–15 cells with a new enkephalin analog. Okumura K, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):256–61

Autoradiographic localization of mu– and delta–type opioid receptors in the gastrointestinal tract of the rat and guinea pig. Nishimura E, et al. **Gastroenterology** 1986 Nov; 91(5):1084–94

On the presence of opioid receptors in guinea–pig ventricular tissue. Mantelli L, et al. **Gen Pharmacol** 1987;18(3):309–13

Autoradiographic differentiation of mu, delta, and kappa opioid receptors in the rat forebrain and midbrain. Mansour A, et al. **J Neurosci** 1987 Aug;7(8):2445–64

Coupling of adrenal medullary opioid receptors to islet–activating protein–sensitive GTP–binding proteins. Kamikubo K, et al. **Life Sci** 1987 May 4;40(18):1791–7

Opioid peptides in man—analytical aspects. Terenius L, et al. **Life Sci** 1987 Aug 17;41(7):805–8

Association of diurnal variations in hypothalamic but not cortical opiate ([3H]–naloxone)–binding sites with the ability of naloxone to induce LH release in the prepubertal female rat. Jacobson W, et al. **Neuroendocrinology** 1986; 44(1):132–5

Decreased striatal opiate delta–receptors in the rat model of persistent dyskinesia induced by iminodipropionitrile. Cadet JL, et al. **Neurosci Lett** 1986 Dec 3;72(1):84–6

Mu and delta receptors belong to a family of receptors that are coupled to potassium channels. North RA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5487–91

Determination of the sizes of the opioid receptors in their membrane environment by radiation inactivation. Tao PL, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jul; 10(3):184–90

CLASSIFICATION

Subunit structure and purification of opioid receptors. Simon EJ. **J Recept Res** 1987;7(1–4):105–32

The choice of opioid receptor subtype in isolated preparations by ohmefentanyl. Jin WQ, et al. **Sci Sin [B]** 1987 Feb;30(2):176–81

DRUG EFFECTS

Effect of naloxone on the development of the positive feed–back action of oestrogen–progesterone on LH secretion in rats. Faigón MR, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):16–20

Neurobehavioral, neuroendocrine and neurochemical effects of zinc supplementation in rats. Baraldi M, et al. **Adv Exp Med Biol** 1986;203:571–85

Copper complexes of non–steroidal antiinflammatory agents: analgesic activity and possible opioid receptor activation. Okuyama S, et al. **Agents Actions** 1987 Jun;21(1–2):130–44

Ethanol–induced hypothermia in rats: possible involvement of opiate kappa receptors. Pillai NP, et al. **Alcohol** 1986 Jul–Aug;3(4):249–53

Loop diuretics causing reduction of voluntary alcohol drinking: relevance of thromboxane inhibition and opiate receptor activation? [letter] Backon J. **Alcohol Alcohol** 1986;21(4):403–4

Opiate antagonist in traumatic shock. McIntosh TK, et al. **Ann Emerg Med** 1986 Dec;15(12):1462–5 (20 ref.)

Dose– and strain–dependent effects of dermorphin and [D–Ala2–D–Leu5]enkephalin on passive avoidance behavior in mice. Castellano C, et al. **Behav Neurosci** 1985 Dec;99(6):1120–7

Effects of opiate manipulations on latent inhibition in rabbits: sensitivity of the medial septal region to intracranial treatments. Gallagher M, et al. **Behav Neurosci** 1987 Jun; 101(3):315–24

Exposure to novelty induces naltrexone–reversible analgesia in rats. Siegfried B, et al. **Behav Neurosci** 1987 Jun; 101(3):436–8

Effect of endogenous opioid blockade on fetal cardiovascular and sympathoadrenal responses to hypoxemia induced by umbilical cord constriction. Lewis AB, et al. **Biol Neonate** 1986;50(3):171–6

Evaluation of the effects induced by four opiate drugs, with different affinities to opioid receptor subtypes, on anterior pituitary LH, TSH, PRL and GH secretion and on cortisol secretion in normal men. Pende A, et al. **Biomed Pharmacother** 1986;40(5):178–82

Effects of a mu–opioid receptor agonist (codeine phosphate) on visuo–motor coordination and dynamic visual acuity in man. Bradley CM, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):507–12

The effects of N–(cyclopropylmethyl)–19–isopentylnororvinol (M320), a potent agonist at kappa– and mu–opiate receptors, on urine excretion of rats. Abrahams JM, et al. **Br J Pharmacol** 1986 Dec;89(4):759–67

Bremazocine differentially antagonizes responses to selective mu and delta opioid receptor agonists in rat hippocampus. Dunwiddie TV, et al. **Br J Pharmacol** 1987 Jul;91(3):523–30

Effects of cations on binding, in membrane suspensions, of various opioids at mu–sites of rabbit cerebellum and kappa–sites of guinea–pig cerebellum. Kosterlitz HW, et al. **Br J Pharmacol** 1987 Jun;91(2):431–7

'Catatonia' produced by alfentanil is reversed by methylnaloxonium microinjections into the brain. Amalric M, et al. **Brain Res** 1986 Oct 29;386(1–2):287–95

Differential depressive action of two mu and delta opioid ligands on neuronal responses to noxious stimuli in the thalamic ventrobasal complex of rat. Benoist JM, et al. **Brain Res** 1986 Nov 19;398(1):49–56

Cross–tolerance between analgesic low doses of morphine and naloxone in arthritic rats. Kayser V, et al. **Brain Res** 1987 Mar 3;405(1):123–9

Effects of selective and non–selective kappa–opioid receptor agonists on cutaneous C–fibre–evoked responses of rat dorsal horn neurones. Knox RJ, et al. **Brain Res** 1987 Jul 7;415(1):21–9

Increased food intake after opioid microinjections into nucleus accumbens and ventral tegmental area of rat. Mucha RF, et al. **Brain Res** 1986 Nov 12;397(2):214–24

Protection from ischemia–induced cerebral edema in the rat by U–50488H, a kappa opioid receptor agonist. Silvia RC, et al. **Brain Res** 1987 Feb 10;403(1):52–7

Spinal action of dermorphin, an extremely potent opioid peptide from frog skin. Stevens CW, et al. **Brain Res** 1986 Oct 22;385(2):300–4

Studies on the effects of intrathalamically injected DADL and morphine on nociceptive thresholds and electroencephalographic activity: a thalamic delta receptor syndrome. Walker GE, et al. **Brain Res** 1986 Sep 24; 383(1–2):1–14

Neonatal peptides affect developing rats: beta–endorphin alters nociception and opiate receptors, corticotropin–releasing factor alters corticosterone. Zadina JE, et al. **Brain Res** 1986 Sep;394(1):21–9

Does nalbuphine reverse opioid obtuned laryngeal reflexes? [letter] Samson B, et al. **Can Anaesth Soc J** 1986 Nov; 33(6):825–6

Synthesis and biological activity of analogs of dynorphin–A(1–13) substituted in positions 2 and 4: design of [Ala2,Trp4]–Dyn–A(1–13) as a putative selective opioid antagonist. Lemaire S, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):673–8

Synthesis and pharmacological properties of morphine congeners having pendant crown ether as an opioid receptor probe. Fujii I, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4439–42

The role of endogenous opioids in congestive heart failure: effects of nalmefene on systemic and regional hemodynamics in dogs. Liang CS, et al. **Circulation** 1987 Feb;75(2):443–51

Increased responsiveness to glucoregulatory effect of opiates in obese–diabetic ob/ob mice. Bailey CJ, et al. **Diabetologia** 1987 Jan;30(1):33–7

Audiogenic seizures during ethanol withdrawal can be blocked by a delta opioid agonist. Kotlińska J, et al. **Drug Alcohol Depend** 1986 Dec;18(4):361–7

Both the sigma receptor–specific ligand (+)3–PPP and the PCP receptor–specific ligand TCP act in the mouse vas deferens via augmentation of electrically evoked norepinephrine release. Campbell BG, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):447–9

Cholecystokinin octapeptide activates an opioid mechanism in the guinea–pig ileum: a possible role for substance P. Garzón J, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):361–70

Naloxonazine actions in vivo. Ling GS, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):33–8

Opioid receptor types and antinociceptive activity in chronic inflammation: both kappa– and mu–opiate agonistic effects are enhanced in arthritic rats. Neil A, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):203–8

Characteristics of sodium–induced increase in opiate antagonist binding sites in rat brain membranes. Nijssen PC, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):355–64

Irreversible selective blockade of kappa–opioid receptors in the guinea–pig ileum. Sheehan MJ, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):19–24

Diprenorphine has agonist activity at opioid kappa–receptors in the myenteric plexus of the guinea–pig ileum. Traynor JR, et al. **Eur J Pharmacol** 1987 May 7;137(1):85–9

Pharmacological evidence for the existence of interactions between dopaminergic and opioid peptidergic systems in guinea–pig ileum myenteric plexus. Vargas ML, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):259–63

Opioid peptides. Biological study of [D–MetO2] dermorphin analogues in relation to the plurality of opioid receptors. XI. Marastoni M, et al. **Farmaco [Sci]** 1987 Feb; 42(2):125–31

Unidirectional interaction between thyrotropin releasing hormone and opiates at the level of their brain receptors. Das S, et al. **Gen Pharmacol** 1987;18(1):99–102

Effects of a kappa–opioid agonist on adrenocorticotropic and diuretic function in man. Pfeiffer A, et al. **Horm Metab Res** 1986 Dec;18(12):842–8

The role of endogenous opioid peptides in physiological and pharmacological reward responses—a survey of present–day knowledge. Bergmann F. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):8–11

Opiate receptor sensitivity in depressed patients before and after clomipramine treatment. Naber D, et al. **J Affective Disord** 1986 Jul–Aug;11(1):59–62

Cardiovascular responses to medullary microinjections of opiate agonists in urethane–anesthetized rats. Punnen S, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):950–6

Wernicke–Korsakoff's syndrome and the opioid system [letter] Sandyk R, et al. **J Clin Psychopharmacol** 1987 Feb; 7(1):49–50

Synthesis and biological activities of dynorphin A analogues with opioid antagonist properties. Gairin JE, et al. **J Med Chem** 1986 Oct;29(10):1913–7

N,N–dialkylated leucine enkephalins as potential delta opioid receptor antagonists. Lovett JA, et al. **J Med Chem** 1987 Jul;30(7):1144–9

Bimorphinans as highly selective, potent kappa opioid receptor antagonists. Portoghese AS, et al. **J Med Chem** 1987 Feb;30(2):238–9

Opioid agonist and antagonist bivalent ligands. The relationship between spacer length and selectivity at multiple opioid receptors. Portoghese PS, et al. **J Med Chem** 1986 Oct;29(10):1855–61

Synthesis and biological activity of analogues of beta–chlornaltrexamine and beta–funaltrexamine at opioid receptors. Portoghese PS, et al. **J Med Chem** 1986 Oct; 29(10):1861–4

Irreversible blockage of opioid receptor types by ester homologues of beta–funaltrexamine. Schoenecker JW, et al. **J Med Chem** 1986 Oct;29(10):1868–71

Differential effect of mu, delta, and kappa opioid agonists on adenylate cyclase activity. De Montis GM, et al. **J Neurosci Res** 1987;17(4):435–9

Naloxonazine effects on the interaction of enkephalin analogs with mu–1, mu and delta opioid binding sites in rat brain membranes. Cruciani RA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):15–20

Kappa agonist–induced diuresis: evidence for

stereoselectivity, strain differences, independence of hydration variables and a result of decreased plasma vasopressin levels. Leander JD, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):33–9

Mu opioid antagonist properties of a cyclic somatostatin octapeptide in vivo: identification of mu receptor–related functions. Shook JE, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):1–7

Evidence for mu opioid receptor mediation of enkephalin–induced electroencephalographic seizures. Tortella FC, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):571–7

The in situ isolated larynx for evaluating peripheral opiate receptor antagonists. Willette RN, et al. **J Pharmacol Methods** 1987 Mar;17(1):15–25

Effects of putative calmodulin antagonists on the binding of [3H]opioid ligands to rat brain membranes: possible involvement of the change in the membrane fluidity. Maruyama M, et al. **Jpn J Pharmacol** 1986 Oct;42(2):159–67

Analgesic (sub anesthetic) nitrous oxide interacts with the endogenous opioid system: a review of the evidence. Gillman MA. **Life Sci** 1986 Oct 6;39(14):1209–21 (83 ref.)

C57BL/6J–bgJ (beige) mice: differential sensitivity in the tail flick test to centrally administered mu– and delta–opioid receptor agonists. Mathiasen JR, et al. **Life Sci** 1987 May 18;40(20):1989–94

Binaltorphimine and nor–binaltorphimine, potent and selective kappa–opioid receptor antagonists. Portoghese PS, et al. **Life Sci** 1987 Mar 30;40(13):1287–92

16–Me cyprenorphine (RX 8008M): a potent opioid antagonist with some delta selectivity. Smith CF. **Life Sci** 1987 Jan 19;40(3):267–74

Action of pro–opiomelanocortin products on the rat vas deferens. Smock T. **Life Sci** 1986 Nov 3;39(18):1651–5

GTPase and adenylate cyclase desensitize at different rates in NG108–15 cells. Vachon L, et al. **Mol Pharmacol** 1987 Feb;31(2):159–68

In vivo interactions among opiate receptor agonists and antagonists. Holaday JW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:173–88

Beta–endorphin–sensitive opioid receptors in the rat tail artery. Illes P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):420–7

Inhibition of presynaptic alpha–2–adrenoceptor and opioid receptor agonist responses in the rat vas deferens by chronic imipramine treatment. Keith RA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):412–9

Effect of perinatal exposure to methadone on brain opioid and alpha 2–adrenergic receptors. Wang C, et al. **Neurobehav Toxicol Teratol** 1986 Jul–Aug;8(4):399–402

Effects of specific activation of mu–, delta– and kappa–opioid receptors on the secretion of luteinizing hormone and prolactin in the ovariectomized rat. Leadem CA, et al. **Neuroendocrinology** 1987 Feb;45(2):109–17

Selective inhibition of nociceptive flexion reflex discharge by the kappa agonist bremazocine. Banna NR, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):271–4

Naloxonazine and opioid–induced inhibition of reflex urinary bladder contractions. Dray A, et al. **Neuropharmacology** 1987 Jan;26(1):67–74

Opioid receptors and neuropeptides in the CNS in rats treated chronically with amoxapine or amitriptyline. Hamon M, et al. **Neuropharmacology** 1987 Jun;26(6):531–9

The adenylate cyclase rebound response to naloxone in the NG108–15 cells. Effects of etorphine and other opiates. Musacchio JM, et al. **Neuropharmacology** 1986 Aug; 25(8):833–7

Opioid receptors in the brain of the rat following chronic treatment with desipramine and electroconvulsive shock. Stengaard–Pedersen K, et al. **Neuropharmacology** 1986 Dec;25(12):1365–71

Tifluadom, a kappa–opiate agonist, acts as a peripheral cholecystokinin receptor antagonist. Chang RS, et al. **Neurosci Lett** 1986 Dec 12;72(2):211–4

Antagonism of mu–opioid receptor–mediated inhibitions of nociceptive neurones by U50488H and dynorphin A1–13 in the rat dorsal horn. Dickenson AH, et al. **Neurosci Lett** 1987 Mar 31;75(2):229–34

Non–competitive regulation of phencyclidine/sigma–receptors by the N–methyl–D–aspartate receptor antagonist D–(–)–2–amino–5–phosphonovaleric acid. Javitt DC, et al. **Neurosci Lett** 1987 Jul 22;78(2):193–8

HR 375: a potential antipsychotic drug that interacts with dopamine D2 receptors and sigma–receptors in the brain. Su TP. **Neurosci Lett** 1986 Nov 11;71(2):224–8

Supraspinal and spinal mechanisms in morphine–induced inhibition of reflex urinary bladder contractions in the rat. Dray A, et al. **Neuroscience** 1987 Jul;22(1):281–7

Naloxone reversal of hemorrhagic hypotension in the conscious guinea–pig is impeded by inhibition of the renin–angiotensin II system. Innanen VT, et al. **Neuroscience** 1987 Jul;22(1):313–5

Delineation of mu–antagonist, partial kappa agonist and non–opioid agonist activity of cyclazocine using urinary output of rats. Leander JD. **Pharmacol Biochem Behav** 1987 Apr;26(4):705–7

Opiate receptor mediated hyperthermic responses in rat following Ca++ channel antagonists. Pillai NP, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):555–60

Effects of delta opioid antagonists on enkephalin–induced seizures. Haffmans J, et al. **Pharmacology** 1987;34(2–3):61–5

Ergot alkaloids inhibit 3H–naloxone binding to opiate receptors in the rat striatum and hippocampus. Kosař E, et al. **Physiol Bohemoslov** 1986;35(4):334–9

Opioid receptor effects of two aminotetralin derivatives using the electrically driven mouse vas deferens. Matos FF, et al. **Proc West Pharmacol Soc** 1986;29:379–81

Mu receptor mediated inhibition of rat urinary bladder motility: differential antagonism by kappa agonists. Sheldon RJ, et al. **Proc West Pharmacol Soc** 1987;30:357–60

Opioid modulation of the discriminative stimulus produced by pentylenetetrazol. Emmett–Oglesby MW, et al. **Psychopharmacology (Berlin)** 1987;92(3):313–9

Loperamide—an opiate receptor agonist with gastrointestinal motility effects. Mellstrand T. **Scand J Gastroenterol [Suppl]** 1987;130:65–6

The choice of opioid receptor subtype in isolated preparations by ohmefentanyl. Jin WQ, et al. **Sci Sin [B]** 1987 Feb;30(2):176–81

[Effects of 5 derivatives of 3–azabicyclo [3,3,1]nonanes on isolated guinea pig ileum myenteric plexus–longitudinal muscle] Wang DY, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):236–8 (Eng. Abstr.) **(Chi)**

[The pharmacology of various classes of cerebral opioid receptors] Roques BP. **Ann Endocrinol (Paris)** 1986; 47(2):88–96 (Eng. Abstr.) **(Fre)**

[CNS–active 4–phenylpyranes: 9–phenyl–9–piperidino–3–oxa–7–azabicyclo[3.3.1]nonane] Eiden F, et al. **Arch Pharm (Weinheim)** 1987 Feb; 320(2):130–4 (Eng. Abstr.) **(Ger)**

[Alpha interferon interaction with opiate receptors in the rat brain] Panchenko LF, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):87–9 (Eng. Abstr.) **(Rus)**

[The site (central or peripheral) of the anti–ulcer action of dalargin, a synthetic analog of endogenous opioids in an experimental model of cysteamine–induced duodenal ulcer in rats] Polonskiĭ VM, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):433–4 (Eng. Abstr.) **(Rus)**

[Anti–ulcer action and peripheral opioid activity of the products of dalargin degradation] Polonskiĭ VM, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):83–6 **(Rus)**

[Self–regulation of brain opiate receptors in rats chronically administered morphine] Panchenko LF, et al. **Vestn Akad Med Nauk SSSR** 1986;(8):18–22 (Eng. Abstr.) **(Rus)**

[Secondary–reinforcing effects of opiate agonists in the mouse] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec;36(6):1069–76 (Eng. Abstr.) **(Rus)**

GENETICS

Opioid receptor alterations in a genetic model of generalized epilepsy. Lee RJ, et al. **Brain Res** 1986 Aug 13;380(1):76–82

IMMUNOLOGY

An antibody to a peptide specified by an RNA that is complementary to gamma–endorphin mRNA recognizes an opiate receptor. Carr DJ, et al. **J Neuroimmunol** 1986 Oct;12(4):329–37

ISOLATION & PURIFICATION

Mu–opioid receptor is associated with phosphatase activity. Roy S, et al. **Biochem Biophys Res Commun** 1986 Oct 30; 140(2):660–5

Affinity purification of the opioid receptor in NG 108–15 cells using an avidin–biotin system with a novel elution method. Nakayama H, et al. **FEBS Lett** 1986 Nov 24; 208(2):278–82

Purified opioid mu–receptor is of a different molecular size than delta– and kappa–receptors. Ueda H, et al. **Neurosci Lett** 1987 Apr 10;75(3):339–44

METABOLISM

Long term treatment with nomifensine or lithium does not change 3H–naloxone binding to opioid receptors in rat brain. Christensen CB, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):158–60

A correlation analysis of the regional distribution of central enkephalin and beta–endorphin immunoreactive terminals and of opiate receptors in adult and old male rats. Evidence for the existence of two main types of communication in the central nervous system: the volume transmission and the wiring transmission. Agnati LF, et al. **Acta Physiol Scand** 1986 Oct;128(2):201–7

Photoaffinity labeling of opioid receptor of rat brain membranes with 125I(D–Ala2, p–N3–Phe4–Met5)enkephalin. Yeung CW. **Arch Biochem Biophys** 1987 Apr;254(1):81–91

Interaction of dimers of inactive enkephalin fragments with mu opiate receptors. Shimohigashi Y, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1109–15

Opiate receptor binding characteristics of dimeric analogues of mu–selective DAGO–enkephalin. Shimohigashi Y, et al. **Biochem Int** 1986 Aug;13(2):199–203

Effects of the affinity ligands 14–beta–chloroacetylnaltrexone and 14–beta–bromoacetamidomorphine on [3H]–dihydromorphine binding sites in rat brain. Reichman M, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3995–8

Opioid receptor desensitization in NG 108–15 cells. Differential effects of a full and a partial agonist on the opioid–dependent GTPase. Vachon L, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2889–97

Molecular mechanism of opioid receptor selection. Schwyzer R. **Biochemistry** 1986 Oct 7;25(20):6335–42

Development of opiate ([3H] naloxone)–binding sites in female rabbit brain: correlation with prepubertal gonadotropin secretion. Wilkinson M, et al. **Biol Reprod** 1986 Oct;35(3):572–8

Bremazocine is an agonist at kappa–opioid receptors and an antagonist at mu–opioid receptors in the guinea–pig myenteric plexus. Corbett AD, et al. **Br J Pharmacol** 1986 Sep;89(1):245–9

Hippocampal and cortical opioid receptor binding: changes related to the hibernation state. Beckman AL, et al. **Brain Res** 1986 Oct 29;386(1–2):223–31

Drinking–induced alterations in reward pathways: an in vivo autoradiographic analysis. Blake MJ, et al. **Brain Res** 1987 Jun 9;413(1):111–9

An in vitro autoradiographic analysis of mu and delta opioid binding in the hippocampal formation of kindled rats. Crain BJ, et al. **Brain Res** 1987 Jun 2;412(2):343–51

Regional distribution of mu, delta and kappa opioid receptors in human brains from controls and parkinsonian subjects. Delay–Goyet P, et al. **Brain Res** 1987 Jun 23;414(1):8–14

Opioid receptors in rat neostriatum: radioautographic distribution at the electron microscopic level. Hamel E, et al. **Brain Res** 1987 Jan 20;401(2):239–57

Opiate receptors in rat pituitary are confined to the neural lobe and are exclusively kappa. Herkenham M, et al. **Brain Res** 1986 Sep 24;382(2):365–71

Selective changes in mu, delta and kappa opioid receptor binding in certain limbic regions of the brain in Alzheimer's disease patients. Hiller JM, et al. **Brain Res** 1987 Mar 17; 406(1–2):17–23

Delta opioid receptors in human neuroblastoma cell lines. Hochhaus G, et al. **Brain Res** 1986 Sep 24;382(2):327–31

Compartmentalization of the embryonic striatum after intraocular transplantation. Johnston JG, et al. **Brain Res** 1987 Jun;430(2):310–4

Impaired axonal transport of opiate and muscarinic receptors in streptozocin–diabetic rats. Laduron PM, et al. **Brain Res** 1986 Aug 20;380(2):359–62

Pharmacological and anatomical evidence of selective mu, delta, and kappa opioid receptor binding in rat brain. Mansour A, et al. **Brain Res** 1986 Dec 3;399(1):69–79

Binding characteristics of [3H]opioid ligands to active opioid binding sites solubilized from rat brain membranes by glycodeoxycholate and NaCl: the recovery of binding activity by dilution. Maruyama M, et al. **Brain Res** 1987 Jan 13;401(1):14–22

A model of chronic pain in the rat: high–resolution neuroanatomical approach identifies alterations in multiple opioid systems in the periaqueductal grey. Millan MJ, et al. **Brain Res** 1987 Jul 28;416(2):349–53

Differential ontogeny of divalent cation effects on rat brain delta–, mu–, and kappa–opioid receptor binding. Oetting GM, et al. **Brain Res** 1987 Feb;428(2):223–7

The pattern of [3H]cyclofoxy retention in rat brain after in vivo injection corresponds to the in vitro opiate receptor distribution. Ostrowski NL, et al. **Brain Res** 1987 Feb 3; 402(2):275–86

Neuronal birthdate underlies the development of striatal compartments. van der Kooy D, et al. **Brain Res** 1987 Jan 13;401(1):155–61

Interaction of beta–casomorphins with multiple opioid receptors: in vitro and in vivo studies in the newborn rat brain. Volterra A, et al. **Brain Res** 1986 Nov;395(1):25–30

In vivo down–regulation of rat striatal opioid receptors by chronic enkephalin. Steece KA, et al. **Brain Res Bull** 1986 Aug;17(2):255–7

14–beta–Methyl–8–oxacyclorphan (BC–3016), a morphinan derivative with high affinity for kappa opioid receptor: comparison with dynorphin–A(1–13). Lemaire S, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):707–11

Current views on endogenous ligands for opiate recognition sites. Cox BM. **Clin Neuropharmacol** 1986;9 Suppl 4:211–3

Opiate receptor subtypes in the rat hypothalamus and neurointermediate lobe. Stojilković SS, et al. **Endocrinology** 1987 Jul;121(1):384–94

[D–Pen2,D–Pen5]enkephalin (DPDPE): a delta–selective enkephalin with low affinity for mu 1 opiate binding sites. Clark JA, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):303–4

Autoradiographic localization of alpha–adrenoceptors, muscarinic acetylcholine receptors and opiate receptors in the heart. Dashwood MR, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):279–82

Autoradiographic localization of [3H] [MePhe3,D–Pro4]morphiceptin ([3H]PL017) to mu opioid receptors in rat brain. Hawkins KN, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):351–2

Ontogenesis of delta–opioid receptors in rat brain using [3H][D–Pen2,D–Pen5]enkephalin as a binding ligand. McDowell J, et al. **Eur J Pharmacol** 1986 Sep 9; 128(3):287–9

In vivo binding of putative delta–selective opioid antagonists to central opiate receptors. Richards ML, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):313–6

The specific opioid kappa–agonist U–50,488H inhibits low Km GTPase. Ueda H, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):129–32

Kappa-opiate-induced diuresis and changes in blood pressure: demonstration of receptor stereoselectivity using (+)- and (-)-tifluadom. Ureta H, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):289–95

Thermodynamic analysis of rat brain opioid mu-receptor-ligand interaction. Zeman P, et al. **Gen Physiol Biophys** 1987 Jun;6(3):237–48

Evidence for the involvement of the opiate-receptors in the diazepam-induced human growth hormone secretion. Huupponen R, et al. **Horm Metab Res** 1986 Oct; 18(10):721–2

Side chain to side chain cyclization of an enkephalin analog results in loss of opioid receptor selectivity. Schiller PW, et al. **Int J Pept Protein Res** 1986 Nov;28(5):493–7

Preparation of [11C]buprenorphine—a potential radioligand for the study of the opiate receptor system in vivo. Luthra SK, et al. **Int J Rad Appl Instrum [A]** 1987;38(1):65–6

Appraising the instantaneous secretory rates of luteinizing hormone and testosterone in response to selective mu opiate receptor blockade in late pubertal boys. Mauras N, et al. **J Androl** 1987 Jul–Aug;8(4):203–9

Inhibition of mu and delta but not kappa opioid binding to membranes by Fab fragments from a monoclonal antibody directed against the opioid receptor. Bidlack JM, et al. **J Biol Chem** 1986 Dec 5;261(34):15844–9

Development of opiate receptors and GTP-binding regulatory proteins in neonatal rat brain. Milligan G, et al. **J Biol Chem** 1987 Jun 25;262(18):8626–30

Multiple interconvertible affinity states for the delta opioid agonist-receptor complex. Spain JW, et al. **J Biol Chem** 1987 Jul 5;262(19):8948–51

Distribution of opiate receptor subtypes and enkephalin and dynorphin immunoreactivity in the hippocampus of squirrel, guinea pig, rat, and hamster. McLean S, et al. **J Comp Neurol** 1987 Jan 22;255(4):497–510

Peptides as receptor selectivity modulators of opiate pharmacophores. Lipkowski AW, et al. **J Med Chem** 1986 Jul;29(7):1222–5

Synthesis and evaluation of melphalan-containing N,N-dialkylenkephalin analogues as irreversible antagonists of the delta opioid receptor. Lovett JA, et al. **J Med Chem** 1987 Sep;30(9):1668–74

Design and synthesis of conformationally constrained somatostatin analogues with high potency and specificity for mu opioid receptors. Pelton JT, et al. **J Med Chem** 1986 Nov;29(11):2370–5

Lipid requirement for mu opioid receptor binding. Hasegawa J, et al. **J Neurochem** 1987 Oct;49(4):1007–12

Specific inhibition of dopamine D-1-mediated cyclic AMP formation by dopamine D-2, muscarinic cholinergic, and opiate receptor stimulation in rat striatal slices. Kelly E, et al. **J Neurochem** 1986 Nov;47(5):1512–6

Opposite effects of delta and mu opioid receptor agonists on the in vitro release of substance P-like material from the rat spinal cord. Mauborgne A, et al. **J Neurochem** 1987 Feb;48(2):529–37

Morphine and enkephalins potently inhibit [3H]noradrenaline release from rat brain cortex synaptosomes: further evidence for a presynaptic localization of mu-opioid receptors. Mulder AH, et al. **J Neurochem** 1987 Apr; 48(4):1043–7

Characterization of kappa opioid receptors in neurosecretosomes from bovine posterior pituitary. Pesce G, et al. **J Neurochem** 1987 Aug;49(2):421–7

Guanine nucleotide and cation regulation of mu, delta, and kappa opioid receptor binding: evidence for differential postnatal development in rat brain. Szücs M, et al. **J Neurochem** 1987 Apr;48(4):1165–70

Interactions of trimebutine with guinea-pig opioid receptors. Roman F, et al. **J Pharm Pharmacol** 1987 May;39(5):404–7

Molecular orbital calculations of proton transfer involving amines as models for the clastic binding of opiates with their receptor. Bennett LK, et al. **J Pharm Sci** 1986 Aug; 75(8):769–71

Naloxazone treatment in the guinea pig ileum in vitro reveals second functional opioid receptor site. James MK, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):138–44

Effects of mu-opioid receptor stimulation in the hypothalamic paraventricular nucleus on basal and stress-induced catecholamine secretion and cardiovascular responses. Kiritsy-Roy JA, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):814–22

Mu opioid receptor involvement in enkephalin activation of dopamine neurons in the ventral tegmental area. Latimer LG, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):328–37

Diuretic actions in man of a selective kappa opioid agonist: U-62,066E. Peters GR, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):128–31

Role of mu and delta receptors in the supraspinal and spinal analgesic effects of [D-Pen2, D-Pen5]enkephalin in the mouse. Porreca F, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):393–400

Continuous intrathecal opioid analgesia: tolerance and cross-tolerance of mu and delta spinal opioid receptors. Russell RD, et al. **J Pharmacol Exp Ther** 1987 Jan; 240(1):150–8

Reversible and irreversible binding of beta-funaltrexamine to mu, delta and kappa opioid receptors in guinea pig brain membranes. Tam SW, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):351–7

Decrease in delta and mu opioid receptor binding capacity in rat brain after chronic etorphine treatment. Tao PL, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):809–16

Modulation of rat brain opioid receptors by cannabinoids. Vaysse PJ, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):534–9

Interactions of metaphit with phencyclidine and sigma agonist actions in rat cerebellum: determination of specificity and selectivity. Wang Y, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):321–7

Pharmacodynamic supersensitivity and opioid receptor upregulation in the mouse. Yoburn BC, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):132–5

Use of beta-funaltrexamine to determine mu opioid receptor involvement in the analgesic activity of various opioid ligands. Zimmerman DM, et al. **J Pharmacol Exp Ther** 1987 May;241(2):374–8

Selective proliferation of brain kappa opiate receptors in spontaneously hypertensive rats. Bhargava HN, et al. **Life Sci** 1986 Dec 29;39(26):2593–600

Central, stereoselective receptors mediate the acute effects of opiate antagonists on luteinizing hormone secretion. Blank MS, et al. **Life Sci** 1986 Oct 27;39(17):1493–99

Effect of sodium ion on the affinity of naloxone for the kappa opioid receptor. Cheney BV, et al. **Life Sci** 1987 Mar 16; 40(11):1071–4

(+)- and (-)-N-allylnormetazocine binding sites in mouse brain: in vitro and in vivo characterization and regional distribution. Compton DR, et al. **Life Sci** 1987 Jun 1; 40(22):2195–206

Differences of binding characteristics of non-selective opiates towards mu and delta receptor types. Delay-Goyet P, et al. **Life Sci** 1987 Aug 10;41(6):723–31

Oxymorphone-naltrexonazine, a mixed opiate agonist-antagonist. Galetta S, et al. **Life Sci** 1987 Aug 10; 41(6):783–7

Interaction of [D-Ser2,Leu5]enkephalin-Thr6 (DSLET), a relatively selective delta ligand, with mu1 opioid binding sites. Itzhak Y, et al. **Life Sci** 1987 Jan 19;40(3):307–11

Enhanced binding of morphine and nalorphine to opioid delta receptor by glucuronate and sulfate conjugations at the 6-position. Oguri K, et al. **Life Sci** 1987 Sep 21; 41(12):1457–64

Decrease of mu opioid receptors in the brain and in the hypothalamus of the aged male rat. Piva F, et al. **Life Sci** 1987 Jan 26;40(4):391–8

Effects of sodium on cell surface and intracellular 3H-naloxone binding sites. Pollack AE, et al. **Life Sci** 1987 Jul 27;41(4):385–90

Biphasic competition between opiates and enkephalins: does it indicate the existence of a common high affinity ("mu-1") binding site? Sarne Y, et al. **Life Sci** 1987 Aug 3; 41(5):555–62

Covalent labeling of opioid receptors with 3H-D-Ala2-Leu5-enkephalin chloromethyl ketone. II. Binding characteristics in frog brain membranes. Simon J, et al. **Life Sci** 1987 Jul 13;41(2):185–92

Covalent labeling of opioid receptors with 3H-D-Ala2-Leu5-enkephalin chloromethyl ketone. I. Binding characteristics in rat brain membranes. Szücs M, et al. **Life Sci** 1987 Jul 13;41(2):177–84

Interaction with lectin of kappa opioid binding sites solubilized from human placenta. Valette A, et al. **Life Sci** 1987 Feb 9;40(6):535–40

Synthesis and binding of 3H-oxymorphazone to rat brain membranes. Varga E, et al. **Life Sci** 1987 Apr 20; 40(16):1579–88

Tissue slices in radioligand binding assays: studies in brain, pineal and muscle. Wilkinson M, et al. **Life Sci** 1986 Dec 1;39(22):2037–48 (80 ref.)

Correlation between the number of placental opioid receptors, mode of delivery, and maternal narcotic use. Ahmed MS, et al. **Membr Biochem** 1986;6(3):255–67

Characterization of the binding of a morphine (mu) receptor-specific ligand: Tyr-Pro-NMePhe-D-Pro-NH2, [3H]-PL17. Blanchard SG, et al. **Mol Pharmacol** 1987 Apr; 31(4):326–33

Repeated electroconvulsive shock: effect on sodium dependency and regional distribution of opioid-binding sites. Hitzemann RJ, et al. **Mol Pharmacol** 1987 May; 31(5):562–6

Comparative pharmacological properties and functional coupling of mu and delta opioid receptor sites in human neuroblastoma SH-SY5Y cells. Kazmi SM, et al. **Mol Pharmacol** 1987 Jul;32(1):109–18

Structural requirements for delta opioid receptor binding. Mosberg HI, et al. **Mol Pharmacol** 1987 Jun;31(6):599–602

Ni-coupled receptors in cultured neural hybrid cells: cell specificity for dibutyryl cyclic AMP-induced down-regulation but not morphological differentiation. Noronha-Blob L, et al. **Mol Pharmacol** 1986 Dec; 30(6):526–36

Opiate receptor subtypes and brain function. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:1–188

Structure-activity relationship and pharmacology of the highly selective mu-opioid agonist, morphiceptin. Chang KJ. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:101–11

Design of conformationally constrained cyclic peptides with high delta and mu opioid receptor specificities. Hruby VJ. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:128–47

Opioid receptors for the dynorphin peptides. James IF. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:192–208

Recent developments in bioassay using selective ligands and selective in vitro preparations. Kosterlitz HW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:223–35

Dynorphin: specific binding to opiate receptors. Lee NM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:19–27

Mechanistic structure-activity studies of peptide and nonpeptide flexible opioids: an interdisciplinary approach. Loew GH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:231–65

Opioid peptides: analysis of specificity and multiple binding modes through computer-aided drug design and structure-activity studies. Nelson RD, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:204–30

Affinity labels as probes for opioid receptor types and subtypes. Portoghese PS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:157–68

Design principles: enkephalins with predictable mu/delta receptor specificity. Shimohigashi Y. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:65–100

Progress in the characterization of the opioid receptor subtypes: peptides as probes. Future directions. Simon EJ. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:155–74

Selective radioligands for characterization and neuroanatomical distribution studies of brain opioid receptors. Zukin RS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:28–47

Mutual interaction between presynaptic alpha 2-adrenoceptors and opioid kappa-receptors at the noradrenergic axons of rabbit brain cortex. Limberger N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Oct; 334(2):166–71

Activation of presynaptic alpha 2-adrenoceptors attenuates the inhibitory effect of mu-opioid receptor agonists on noradrenaline release from brain slices. Schoffelmeer AN, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):377–80

Opioid receptor binding in rat spinal cord. Krumins SA. **Neurochem Res** 1987 Mar;12(3):231–5

Detailed analysis of heterogeneity of [3H]naloxone binding sites in rat brain synaptosomes. Szücs M, et al. **Neurochem Res** 1987 Jul;12(7):581–7

Reevaluation of the effects of castration on naloxone-sensitive opiate receptors in the male rat brain. Cicero TJ, et al. **Neuroendocrinology** 1987 Aug; 46(2):176–84

Use of 125I-Tyr27 beta-endorphin for the study of beta-endorphin binding sites in rat cortex. Toogood CL, et al. **Neuroendocrinology** 1986;43(6):629–34

Tyr-D-Ala-Gly-(Me)Phe-chloromethyl ketone: a mu specific affinity label for the opioid receptor. Benyhe S, et al. **Neuropeptides** 1987 Apr;9(3):225–35

Irreversible labelling of rat brain opioid receptors by enkephalin chloromethyl ketones. Benyhe S, et al. **Neuropeptides** 1986 Aug–Sep;8(2):173–81

Microtubule disassembly increases the number of opioid receptor binding sites in rat cerebrum membranes. Borsodi A, et al. **Neuropeptides** 1986 Jul;8(1):51–4

Characterization of dermorphin binding to membranes of rat brain and heart. Krumins SA. **Neuropeptides** 1987 Feb–Mar; 9(2):93–102

Mu-receptor specificity of the opioid peptide irreversible reagent, [3H]DALECK. Newman EL, et al. **Neuropeptides** 1986 Nov–Dec;8(4):305–15

Specificity of the opioid affinity reagent, DALECK, in a set of isolated tissue assay systems. Peers E, et al. **Neuropeptides** 1986 Nov–Dec;8(4):317–25

Intracerebroventricular administration of superFIT and its enantiomer to rats: evidence for in vivo acylation of [3H]DADL binding sites. Rothman RB, et al. **Neuropeptides** 1987 Apr;9(3):207–10

Interference of endogenous B endorphin with opiate binding in the anterior pituitary. Rotten D, et al. **Neuropeptides** 1986 Nov–Dec;8(4):377–92

Autoradiographic distribution of dynorphin1–9 binding sites in primate brain. Slater P, et al. **Neuropeptides** 1986 Jul; 8(1):71–6

Irreversible labelling of delta-opioid receptors in rat brain and neuroblastoma cells by [3H]azido-DTLET: characterization of subunits and autoradiographic visualization of the covalent binding. Zajac JM, et al. **Neuropeptides** 1987 May–Jun;9(4):295–307

Low affinity inhibition of opioid receptor binding by FMRFamide. Zhu XZ, et al. **Neuropeptides** 1986 Jul; 8(1):55–61

Autoradiographic distribution of non-dopaminergic binding sites labeled by [3H]haloperidol in rat brain. Contreras PC, et al. **Neurosci Lett** 1987 Mar 31;75(2):133–40

Enhanced axonal transport of receptor-bound opiate in ethanol-treated rats. Laduron PM, et al. **Neurosci Lett** 1987 Jun 26;77(3):344–8

Effects of food deprivation and high fat diet on opioid receptor binding in rat brain. Tsujii S, et al. **Neurosci Lett** 1986 Dec 12;72(2):169–73

Opiate receptors in the human spinal cord: a detailed anatomical study comparing the autoradiographic localization of [3H]diprenorphine binding sites with the laminar pattern of substance P, myelin and nissl staining. Faull RL, et al. **Neuroscience** 1987 Feb;20(2):395–407

Fiber tracts that contain more opioid binding sites than gray matter does: a quantitative autoradiographic study in the guinea-pig. Foote RW. **Neuroscience** 1987 Jan;20(1):109–16

Distribution of opioid binding sites in the guinea pig hippocampus as compared to the rat: a quantitative analysis. Foote RW, et al. **Neuroscience** 1986 Nov;19(3):847–56

Autoradiographic localization in rat brain of kappa opiate binding sites labelled by [3H]bremazocine. Morris BJ, et al. **Neuroscience** 1986 Nov;19(3):839–46

Dopamine and opiate receptors: localization in the striatum and evidence for their axoplasmic transport in the nigrostriatal and striatonigral pathways. Van der Kooy D, et al. **Neuroscience** 1986 Sep;19(1):139–46

Kentsin: tetrapeptide from hamster embryos produces naloxone-sensitive effects without binding to opioid receptors. Fox DA, et al. **Peptides** 1987 Jul–Aug;8(4):613–8

Opioid receptor binding profile of selected dermorphin-like peptides. Rossi AC, et al. **Peptides** 1986 Sep–Oct;7(5):755–9

The effect of chronic imipramine and electroconvulsive shock treatment on [3H]DADLE binding to cortical membranes of rats pretreated with chronic reserpine or 6-hydroxydopamine. Antkiewicz-Michaluk L, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):203–6

Brain opioid receptors in the hibernating bat, Myotis lucifugus: modification by low temperature and comparison with rat, mouse and hamster. Wilkinson M, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):527–32

Interactions of Tyr-MIF-1 at opiate receptor sites. Zadina JE, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1303–5

Binding studies of dermorphin and its L-form on rat brain opioid receptors. Giagnoni G, et al. **Pharmacol Res Commun** 1987 Feb;19(2):173–81

Ontogenetic studies on mu, delta and kappa opioid receptors in rat brain. Volterra A, et al. **Pharmacol Res Commun** 1986 Oct;18(10):979–90

Morphine-6-glucuronide has high affinity for the opioid receptor. Christensen CB, et al. **Pharmacol Toxicol** 1987 Jan;60(1):75–6

Visualization of multiple opioid-receptor types in rat striatum after specific mesencephalic lesions. Eghbali M, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6582–6

Neuroanatomical patterns of the mu, delta, and kappa opioid receptors of rat brain as determined by quantitative in vitro autoradiography. Tempel A, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4308–12

1,3-Di(2-[5-3H]tolyl)guanidine: a selective ligand that labels sigma-type receptors for psychotomimetic opiates and antipsychotic drugs. Weber E, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8784–8

Calcium agonists and antagonists of the dihydropyridine type: antinociceptive effects, interference with opiate-mu-receptor agonists and neuropharmacological actions in rodents. Hoffmeister F, et al. **Psychopharmacology (Berlin)** 1986;90(3):299–307

An observational analysis of the effect of the selective kappa opioid agonist, U-50,488H, on feeding and related behaviours in the rat. Jackson A, et al. **Psychopharmacology (Berlin)** 1986;90(2):217–21

Effect of immobilization stress on neuropeptides and their receptors in rat central nervous system. Takayama H, et al. **Regul Pept** 1986 Oct;15(3):239–48

Analgesic actions of naloxone suggest the presence of a hyperalgesic opioid system. Gillman MA, et al. **S Afr Med J** 1986 Nov 22;70(11):650–1

Opioids and opioid receptors in peripheral tissues. Hedner T, et al. **Scand J Gastroenterol [Suppl]** 1987;130:27–46 (208 ref.)

Myocardial opiate receptor activity is stereospecific, independent of muscarinic receptor antagonism, and may play a role in depressing cardiac function. Vargish T, et al. **Surgery** 1987 Aug;102(2):171–7

Characteristics of opioid receptors in guinea-pig cerebellum and human placenta. Ishizuka Y, et al. **Tokai J Exp Clin Med** 1986 Aug;11(3):179–84

Effects of phospholipases C from bacteria on binding of enkephalin to rat brain membranes. Nakajima M, et al. **Toxicon** 1987;25(5):555–64

[Characterization of opioid receptors in the golden hamster brain] Wu SW, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):495–8 (Eng. Abstr.) **(Chi)**

[Autoradiography of [3H]ohmefentanyl binding with opiate receptors in the rat brain] Ye SZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):193–8 (Eng. Abstr.) **(Chi)**

[Characteristics of opiate receptors in the brain and spinal cord of morphine tolerant mice] Patkina NA, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):296–8 (Eng. Abstr.) **(Rus)**

[Differences in opioid binding in the left and right visual cortex of the turtle] Kobylianskii AG, et al. **Dokl Akad Nauk SSSR** 1986;291(2):479–83 **(Rus)**

PHARMACODYNAMICS

Effects of somatostatin analogue SMS 201-995 in normal man. Davies RR, et al. **Clin Endocrinol (Oxf)** 1986 Jun; 24(6):665–74

PHYSIOLOGY

Opiates, opioids and their receptors in the modulation of pain. Herz A. **Acta Neurochir [Suppl] (Wien)** 1987;38:36–40

Opioid peptides at term pregnancy in the early puerperium and in postpartum psychosis. Terenius L, et al. **Adv Biochem Psychopharmacol** 1987;43:201–9

Proglumide exhibits delta opioid agonist properties. Rezvani A, et al. **Alcohol Drug Res** 1987;7(3):135–46

mu-Opioid receptors in NTS elicit pressor responses via sympathetic pathways. Hassen AH, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H156–62

Central opioid mechanisms and cardiovascular control in hemorrhagic hypotension. Sandor P, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H507–11

Opiate receptors: an introduction. Carmody JJ. **Anaesth Intensive Care** 1987 Feb;15(1):27–37 (25 ref.)

Alpha 2-adrenergic and opiate receptor blockade. Synergistic effects on anxiety in healthy subjects. Charney DS, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1037–41

Approach and escape responses to mesencephalic central gray stimulation in rats: effects of morphine and naloxone. Ichitani Y, et al. **Behav Brain Res** 1986 Oct;22(1):63–73

Aggression, defeat and opioid activation in mice: influences of social factors, size and territory. Teskey GC, et al. **Behav Brain Res** 1987 Jan;23(1):77–84

Opiates and medial hypothalamic knife cuts cause hyperphagia through different mechanisms. Gosnell BA, et al. **Behav Neurosci** 1985 Dec;99(6):1181–91

The central representation of an aversive event maintains the opioid and nonopioid forms of analgesia. Grau JW. **Behav Neurosci** 1987 Apr;101(2):272–88

Activation and expression of endogenous pain control mechanisms in rats given repeated nociceptive tests under the influence of naloxone. Rochford J, et al. **Behav Neurosci** 1987 Feb;101(1):87–103

The opioid peptides and their receptors. Meunier JC. **Biochimie** 1986 Oct–Nov;68(10–11):1153–8 (79 ref.)

Single-channel observations on the mu-opioid receptor. Smuda JW, et al. **Biophys J** 1986 Oct;50(4):759–60

The effects of N-(cyclopropylmethyl)-19-isopentylnororvinol (M320), a potent agonist at kappa- and mu-opiate receptors, on urine excretion of rats. Abrahams JM, et al. **Br J Pharmacol** 1986 Dec;89(4):759–67

The contributions of mu-, delta- and kappa-opioid receptors to the actions of endogenous opioids on spinal reflexes in the rabbit. Clarke RW, et al. **Br J Pharmacol** 1987 Jul; 91(3):579–89

Kappa opioid receptor-mediated analgesia in the developing rat. Barr GA, et al. **Brain Res** 1986 Oct;394(2):145–52

Opioid receptor subtypes in the rat spinal cord: electrophysiological studies with mu- and delta-opioid receptor agonists in the control of nociception. Dickenson AH, et al. **Brain Res** 1987 Jun 9;413(1):36–44

Naloxone-reversible analgesia induced by electrical stimulation of the habenula in the rat. Mahieux G, et al. **Brain Res** 1987 Mar 17;406(1–2):118–29

Spinal opiate modulation of cardiovascular reflexes in the exercising dog. Pomeroy G, et al. **Brain Res** 1986 Sep 3; 381(2):385–9

Activation of enkephalin receptors reduces calcium conductance in neuroblastoma cells. Shimahara T, et al. **Brain Res** 1987 Jul 14;415(2):357–61

Opioids act centrally to modulate stress-induced decrease in luteinizing hormone in the rat. Petraglia F, et al. **Endocrinology** 1986 Dec;119(6):2445–50

[D-Pen2,L-Pen5]enkephalin induced analgesia in the jimpy mouse: in vivo evidence for delta-receptor mediated analgesia. Mathiasen JR, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):405–7

Further evidence for a role of delta-opiate receptors in the presynaptic regulation of newly synthesized dopamine release. Petit F, et al. **Eur J Pharmacol** 1986 Jul 15; 126(1–2):1–9

Interaction of kappa receptor agonists with Ca2+ channel antagonists in the modulation of hypothermia. Pillai NP, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):237–44

Spinal kappa-opioid receptor-mediated antinociception is stimulus-specific. Schmauss C. **Eur J Pharmacol** 1987 Jun 4;137(2–3):197–205

Pharmacology of delta-opioid receptors in the hamster vas deferens. Sheehan MJ, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):57–64

The dopamine hypothesis of opiate reward challenged. Van Ree JM, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):239–43

Opioid regulation of luteinizing hormone in amenorrheic patients after therapy for induction of ovulation. Nappi C, et al. **Fertil Steril** 1987 Apr;47(4):579–83

Brain, spinal cord and peripheral sites of action of enkephalins and other endogenous opioids on gastrointestinal motility. Burks TF, et al. **Gastroenterol Clin Biol** 1987;11(3 Pt 2):44B–51B (46 ref.)

The action of trimebutine maleate on gastrointestinal motility is mediated by opiate receptors in human subjects. Valori R, et al. **Gastroenterol Clin Biol** 1987;11(3 Pt 2):102B–104B

Opioid receptor differentiation and Gilles de la Tourette syndrome. Sandyk R. **Int J Neurosci** 1987 Feb; 32(3-4):995–6

Brain opioids and autism: an updated analysis of possible linkages. Sahley TL, et al. **J Autism Dev Disord** 1987 Jun; 17(2):201–16

Central alpha 1-adrenergic and opiate systems in the control of the vagal tone in normotensive and spontaneously hypertensive rats. Huchet AM, et al. **J Auton Nerv Syst** 1986 Nov;17(3):175–83

Effects of a stable enkephalin analogue, (D-Met2,Pro5)-enkephalinamide, and naloxone on cortical blood flow and cerebral blood volume in experimental brain ischemia in anesthetized cats. Sándor P, et al. **J Cereb Blood Flow Metab** 1986 Oct;6(5):553–8

Activation of the opioid and nonopioid analgesic systems: evidence for a memory hypothesis and against the coulometric hypothesis. Grau JW. **J Exp Psychol [Anim Behav]** 1987 Jul;13(3):215–25

Opioid-mediated suppression of cultured peripheral blood mononuclear cell respiratory burst activity. Peterson PK, et al. **J Immunol** 1987 Jun 1;138(11):3907–12

Involvement of both opiate and catecholaminergic receptors of ventromedial hypothalamus in the locomotor stimulant action of thyrotropin-releasing hormone. Lin LS, et al. **J Neural Transm** 1987;68(3–4):217–25

Opioid receptor systems and the endorphins: a review of their spinal organization. Yaksh TL. **J Neurosurg** 1987 Aug; 67(2):157–76 (212 ref.)

Involvement of opioid receptors in hypo- and hyperthermic effects induced by phencyclidine in mice. Hiramatsu M, et al. **J Pharmacobiodyn** 1986 May;9(5):466–72

Differential ontogeny of opioid, dopaminergic and serotonergic regulation of prolactin secretion. Bero LA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):825–30

An analysis of naltrexone precipitated abstinence in morphine-dependent chronic spinal dogs. Martin WR, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):565–70

On the relationship between clonidine hypotension and brain beta-endorphin in the spontaneously hypertensive rat: studies with alpha adrenergic and opiate blockers. Mastrianni JA, et al. **J Pharmacol Exp Ther** 1987 Jul; 242(1):378–87

Supraspinal and spinal potency of selective opioid agonists in the mouse writhing test. Porreca F, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):890–4

Beta-endorphin stimulates human polymorphonuclear leukocyte superoxide production via a stereoselective opiate receptor. Sharp BM, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):579–82

Pharmacologic evaluation of a cyclic somatostatin analog with antagonist activity at mu opioid receptors in vitro. Shook JE, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):772–7

Presynaptic opioid delta-receptors in the rabbit mesenteric artery. Illes P, et al. **J Physiol (Lond)** 1986 Oct;379:217–28

A dose-ratio comparison of mu and kappa agonists in formalin and thermal pain. Abbott FV, et al. **Life Sci** 1986 Nov 24;39(21):2017–24

Opioid control of oxytocin secretion: evidence of distinct regulatory actions of two opiate receptor types. Carter DA, et al. **Life Sci** 1987 Jun 8;40(23):2289–96

Evidence for coupling of the kappa opioid receptor to brain GTPase. Clark MJ, et al. **Life Sci** 1986 Nov 10; 39(19):1721–7

Estimation of the affinity of naloxone at supraspinal and spinal opioid receptors in vivo: studies with receptor selective agonists. Heyman JS, et al. **Life Sci** 1986 Nov 10;39(19):1795–803

Modulation of human neuroblastoma transplanted into nude mice by endogenous opioid systems. McLaughlin PJ, et al. **Life Sci** 1987 Sep 21;41(12):1465–72

Opiate-inhibited adenylate cyclase in mammalian brain membranes. Childers SR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:65–80

Regulation of agonist binding to opioid receptor types of sodium and GTP: relevance to receptor function. Cox BM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;70:175–91

Properties of receptors mediating opioid effects: discrimination of receptor types. Cox BM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:1–18 (59 ref.)

Multiple receptor types in opioid discrimination. Holtzman SG. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:109–26 (66 ref.)

Modulation of opioid peptide metabolism by seizures: differentiation of opioid subclasses. McGinty JF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:89–101

Membrane conductances and opioid receptor subtypes. North RA. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:81–8

Frontiers of research in the medicinal chemistry and molecular pharmacology of opioid peptides. Rapaka RS. **Natl Inst Drug Abuse Res Monogr Ser** 1986;69:3–20

Neurobiological substrates of drug self-administration. Smith JE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 71:127–45 (51 ref.)

Opiate receptor subtypes associated with the brain mechanisms of feeding and reward. Wise RA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:165–72

Kappa isoreceptors: neuroendocrine and neurochemical evidence. Wood PL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:102–8

Photoelectric measurement of neurogenic vasoconstriction in jejunal branches of the rabbit mesenteric artery reveals the presence of presynaptic opioid delta-receptors. Illes P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):701–4

Involvement of opioid receptors in phencyclidine-induced enhancement of brain histamine turnover in mice. Itoh Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):285–9

Blockade of alpha 2-adrenoceptors permits the operation of otherwise silent opioid kappa-receptors at the sympathetic axons of rabbit jejunal arteries. Ramme D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Sep; 334(1):48–55

Presence of opioid receptors in mesencephalic nucleus dorsalis raphe concerned in cardiovascular regulation in cats. Saxena AK, et al.

Naunyn Schmiedebergs Arch Pharmacol 1987 Jul; 336(1):81–6

Differential maturation of mu and delta opioid receptors in the chick embryonic brain. Geladopoulos T, et al. **Neurochem Res** 1987 Mar;12(3):279–88

Pharmacological characterization of opioid receptors influencing the secretion of corticotrophin releasing factor in the rat. Buckingham JC, et al. **Neuroendocrinology** 1986; 44(1):36–40

Beta-endorphin and dynorphin participate in the stress-induced release of prolactin in the rat. Petraglia F, et al. **Neuroendocrinology** 1987 May;45(5):338–42

The effect of mu, delta, kappa and epsilon opioid receptor agonists on heart rate and blood pressure of the pithed rat. Eimerl J, et al. **Neuropeptides** 1986 Nov–Dec;8(4):351–8

Comparison of two penicillamine-containing enkephalins: mu, not delta, activity produces analgesia. Leander JD, et al. **Neuropeptides** 1986 Aug–Sep;8(2):119–25

In vivo evidence for spinal delta-opiate receptor operated antinociception. Rodriguez RE, et al. **Neuropeptides** 1986 Oct;8(3):221–41

Opioid and D-2 receptor mediated inhibition of forskolin-stimulated cyclic AMP efflux from rat neostriatal slices. Schoffelmeer AN, et al. **Neuropharmacology** 1987 Jul;26(7A):785–7

Evidence that endogenous enkephalins produce delta-opiate receptor mediated neuronal inhibitions in rat dorsal horn. Dickenson AH, et al. **Neurosci Lett** 1986 Dec 12; 72(2):179–82

Phosphatidylinositol turnover in neuroblastoma cells: regulation by bradykinin, acetylcholine, but not mu- and delta-opioid receptors. Yu VC, et al. **Neurosci Lett** 1986 Nov 11;71(2):219–23

Phelorphan, an inhibitor of enzymes involved in the biodegradation of enkephalins, affected the withdrawal symptoms in chronic morphine-dependent rats. Haffmans J, et al. **Neuroscience** 1987 Jul;22(1):233–6

Kappa opioid receptor activation depresses excitatory synaptic input to rat locus coeruleus neurons in vitro. McFadzean I, et al. **Neuroscience** 1987 Jan;20(1):231–9

Multiple opioid systems and pain. Millan MJ. **Pain** 1986 Dec; 27(3):303–47 (275 ref.)

Magnetic fields differentially inhibit mu, delta, kappa and sigma opiate-induced analgesia in mice. Kavaliers M, et al. **Peptides** 1986 May–Jun;7(3):449–53

Selective activation of opioid receptors differentially affects lordosis behavior in female rats. Pfaus JG, et al. **Peptides** 1987 Mar–Apr;8(2):309–17

Food hoarding and ingestion in the deer mouse, Peromyscus maniculatus: selective responses to mu and kappa opiate agonists. Kavaliers M, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):543–8

The benzodiazepine (+)-tifluadom (KC-6128), but not its optical isomer (KC-5911) induces opioid kappa receptor-related EEG power spectra and evoked potential changes. Freye E, et al. **Pharmacology** 1986;33(5):241–8

Opioid elements in development of the spontaneous motility of chick embryos. Sedláček J. **Physiol Bohemoslov** 1986; 35(5):427–36

Mu receptor mediated inhibition of rat urinary bladder motility: differential antagonism by kappa agonists. Sheldon RJ, et al. **Proc West Pharmacol Soc** 1987;30:357–60

The design of antagonists of regulatory peptides, and comments on their specificity. Morley JS. **Prog Brain Res** 1986;66:333–40

Oxytocin release during coitus in male and female rabbits: effect of opiate receptor blockade with naloxone. Todd K, et al. **Psychoneuroendocrinology** 1986;11(3):367–71

[Analgesic effect of septal stimulation and the intraseptal opiate receptor on visceral pain] Huang XH, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):367–76 (Eng. Abstr.) **(Chi)**

[Opioid peptides: metabolism and receptors] Giros B, et al. **Gastroenterol Clin Biol** 1987;11(3 Pt 2):7B–13B **(Fre)**

[Involvement of opiate receptors in the mode of action of trimebutine] Pascaud X, et al. **Gastroenterol Clin Biol** 1987; 11(3 Pt 2):77B–81B (Eng. Abstr.) **(Fre)**

[Naloxone-reversible analgesia as a result of stimulation of the habenula in the rat] Mahieux G, et al. **Neurochirurgie** 1986;32(4):360–4 (Eng. Abstr.) **(Fre)**

[Endogenous opioids] Binder K. **Gynakol Rundsch** 1987;27 Suppl 1:2–15 (Eng. Abstr.) **(Ger)**

[Changes in the properties of brain opiate receptors during the development of morphine tolerance in rats] Zaitsev SV, et al. **Biokhimiia** 1986 Aug;51(8):1334–40 (Eng. Abstr.) **(Rus)**

[The effect of opiate receptor ligands on emotional cardiovascular reactions in lower primates] Golanov EV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):424–7 (Eng. Abstr.) **(Rus)**

[The role of various opiate receptors in the regulation of the nociceptive reaction of the arterial pressure] Ignatov IuD, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):420–2 (Eng. Abstr.) **(Rus)**

[Importance of opiate receptor ligands in regulating lymphocyte proliferative activity] Zozulia AA, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):58–9 (Eng. Abstr.) **(Rus)**

[Opiate receptors of the brain] Mogilevskii AIa, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):98–108 (77 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effects of naloxone administration on endocrine abnormalities in chronic renal failure. Grzeszczak W, et al. **Am J Nephrol** 1987;7(2):93–100

RADIATION EFFECTS

Photoaffinity crosslinking of etorphine with opioid binding sites in the bovine adrenal medulla. Cantau P, et al. **Biotechnol Appl Biochem** 1987 Apr;9(2):114–22

RECEPTORS, ENKEPHALIN see **RECEPTORS, ENDORPHIN**

RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE

Studies on rationales for an expert system approach to the interpretation of protein sequence data. Preliminary analysis of the human epidermal growth factor receptor. Fishleigh RV, et al. **FEBS Lett** 1987 Apr 20;214(2):219–25

ANALYSIS

Epidermal growth factor--receptors on cultured human meningioma cells. Westphal M, et al. **Acta Neurochir (Wien)** 1986;83(1–2):62–6

Immunohistochemical localization of epidermal growth factor receptor and myc oncogene product in human placenta: implication for trophoblast proliferation and differentiation. Maruo T, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):721–7

Prognostic significance of the receptor for epidermal growth factor in human mammary carcinomas. Macias A, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):459–64

Increased expression of the epidermal growth factor receptor on human colon carcinoma cells. Bradley SJ, et al. **Arch Surg** 1986 Nov;121(11):1242–7

Epidermal growth factor receptors in non-small cell lung cancer. Veale D, et al. **Br J Cancer** 1987 May;55(5):513–6

Presence of tumor-associated antigens in epidermal growth factor receptors from different human carcinomas. Basu A, et al. **Cancer Res** 1987 May 15;47(10):2531–6

Radioimmunodetection of human glioma xenografts by monoclonal antibody to epidermal growth factor receptor. Takahashi H, et al. **Cancer Res** 1987 Jul 15;47(14):3847–50

Characterization of the epidermal growth factor receptor in human meningioma. Weisman AS, et al. **Cancer Res** 1987 Apr 15;47(8):2172–6

Immunohistochemical localization of cell surface receptors using a novel method permitting simple, rapid and reliable LM/EM correlation. Wynford-Thomas D, et al. **Histochem J** 1986 Jul;18(7):387–96

Receptors for epidermal growth factor and estradiol in canine mammary tumors. Nerurkar VR, et al. **Int J Cancer** 1987 Aug 15;40(2):230–2

Induction of differentiated trophoblast function by epidermal growth factor: relation of immunohistochemically detected cellular epidermal growth factor receptor levels. Maruo T, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):744–50

Localization of epidermal growth factor receptors in the human prostate by biochemical and immunocytochemical methods. Maddy SQ, et al. **J Endocrinol** 1987 Apr; 113(1):147–53

DNA flow cytometry of human breast carcinomas and its relationship to transferrin and epidermal growth factor receptors. Walker RA, et al. **J Pathol** 1986 Sep;150(1):37–42

Epidermal growth factor receptor expression in human lung carcinomas defined by a monoclonal antibody. Sobol RE, et al. **JNCI** 1987 Sep;79(3):403–7

Immunohistochemical localization of the epidermal growth factor receptor in normal human tissues. Damjanov I, et al. **Lab Invest** 1986 Nov;55(5):588–92

Epidermal-growth-factor receptors and breast cancer [letter] Pollak MN. **Lancet** 1987 Sep 5;2(8558):562

Epidermal-growth-factor receptor status as predictor of early recurrence of and death from breast cancer. Sainsbury JR, et al. **Lancet** 1987 Jun 20;1(8547):1398–402

Characterization of the mouse placental epidermal growth factor receptor: changes in receptor number with day of gestation. Smith WC, et al. **Placenta** 1986 Nov–Dec; 7(6):511–22

[Morphological studies of the epidermal growth factor receptor. Analysis of human tumors and tumor transplants in athymic mice with special reference to salivary gland tumors] Caselitz J, et al. **Verh Dtsch Ges Pathol** 1986; 70:343–6 (Eng. Abstr.) **(Ger)**

[Immunohistochemical study of oncogene-related products in human gastrointestinal malignancies--expression of ras p 21, fes p 85 and EGF receptor] Kitagami S, et al. **Gan No Rinsho** 1986 Dec;32(15):1950–8 (Eng. Abstr.) **(Jpn)**

[Characteristics of the epidermal growth factor receptors in the epithelium of the gastrointestinal tract of rats and in intestinal tumors induced by 1,2-dimethylhydrazine] Ivashchenko IuD, et al. **Eksp Onkol** 1986;8(5):17–21 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Specific inhibitors of tyrosine-specific protein kinase, synthetic 4-hydroxycinnamamide derivatives. Shiraishi T, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):322–8

BIOSYNTHESIS

Reduction of EGF receptor synthesis by antisense RNA vectors. Hunts J, et al. **FEBS Lett** 1986 Oct 6;206(2):319–22

Epidermal growth factor receptor synthesis is stimulated by phorbol ester and epidermal growth factor. Evidence for a common mechanism. Bjorge JD, et al. **J Biol Chem** 1987 May 15;262(14):6615–22

Synthesis of epidermal growth factor receptor in human A431 cells. Glycosylation-dependent acquisition of ligand binding activity occurs post-translationally in the endoplasmic reticulum. Slieker LJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15233–41

Long-term, heterologous down-regulation of the epidermal growth factor receptor in PC12 cells by nerve growth factor. Lazarovici P, et al. **J Cell Biol** 1987 Jun; 104(6):1611–21

Bioaynthesis and glycosylation of the epidermal growth factor receptor in human tumor-derived cell lines A431 and Hep 3B. Carlin CR, et al. **Mol Cell Biol** 1986 Jan; 6(1):257–64

DRUG EFFECTS

Sexual dimorphism and testosterone effects on liver epidermal growth factor receptors in mice. Alm J, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):140–4

Differential responsiveness of normal and simian virus 40-transformed BALB/c 3T3 cells to retinoic acid: rapid enhancement of epidermal growth factor receptor binding in a simian virus 40-3T3 variant. Chen JK, et al. **Cancer Res** 1987 Oct 1;47(19):4995–9

Heterologous regulation of the epidermal growth factor receptor by palytoxin, a non-12-O-tetradecanoylphorbol-13-acetate-type tumor promoter. Wattenberg EV, et al. **Cancer Res** 1987 Sep 1; 47(17):4618–22

Epidermal growth factor (EGF) promotes phosphorylation at threonine-654 of the EGF receptor: possible role of protein kinase C in homologous regulation of the EGF receptor. Whiteley B, et al. **J Cell Biol** 1986 Oct; 103(4):1355–62

Psoralens potentiate ultraviolet light-induced inhibition of epidermal growth factor binding. Laskin JD, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8211–5

Modulation of epidermal growth factor receptors by human alpha interferon. Zoon KC, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8226–30

Epidermal growth factor urogastrone: new targets for the ligand and for its receptor. Hollenberg MD. **Proc West Pharmacol Soc** 1986;29:479–82

[Regulation of epidermal growth factor receptors by TSH, and effects of EGF, TSH and phorbol ester on DNA synthesis in cultured porcine thyroid cells] Suzuki Y. **Nippon Naibunpi Gakkai Zasshi** 1986 Dec 20; 62(12):1362–75 (Eng. Abstr.) **(Jpn)**

GENETICS

Characterization of rodent epidermal growth factor receptor transcripts using a mouse genomic probe. Hung MC, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1109–15

Hepatocarcinogens induce decrease in mRNA transcripts of receptors for insulin and epidermal growth factor in the rat liver. Hwang DL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):87–93

Structural features of growth factor receptors with oncogenic potential. Chen E, et al. **Biochem Soc Symp** 1986;52:65–82

Synthesis of messenger RNAs for transforming growth factors alpha and beta and the epidermal growth factor receptor by human tumors. Derynck R, et al. **Cancer Res** 1987 Feb 1;47(3):707–12

Analysis of the epidermal growth factor receptor gene in fresh human head and neck tumors. Eisbruch A, et al. **Cancer Res** 1987 Jul 1;47(13):3603–5

Modulation of epidermal growth factor receptor gene expression by transforming growth factor-beta in a human breast carcinoma cell line. Fernandez-Pol JA, et al. **Cancer Res** 1987 Aug 15;47(16):4260–5

Molecular evidence for the lack of epidermal growth factor receptor gene expression in small cell lung carcinoma cells. Gamou S, et al. **Cancer Res** 1987 May 15;47(10):2668–73

The erbB gene and the EGF receptor. Martin GS. **Cancer Surv** 1986;5(2):199–219

Alternative 5' exons and tissue-specific expression of the Drosophila EGF receptor homolog transcripts. Schejter ED, et al. **Cell** 1986 Sep 26;46(7):1091–101

The c-erbB-2 gene encodes a receptor-like protein with tyrosine kinase activity. Toyoshima K, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:977–82

Protein kinases in cellular signal transduction: tyrosine kinase growth factor receptors and protein kinase C. Ullrich A, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:713–24

Abelson transformed fibroblasts lacking the EGF receptor are not tumourigenic in nude mice. Gebhardt A, et al. **EMBO J** 1986 Sep;5(9):2191–5

Overexpression of the EGF receptor-related proto-oncogene erbB-2 in human mammary tumor cell lines by different molecular mechanisms. Kraus MH, et al. **EMBO J** 1987 Mar;6(3):605–10

Mutations in the cytoplasmic domain of EGF receptor affect EGF binding and receptor internalization. Prywes R, et al. **EMBO J** 1986 Sep;5(9):2179–90

Structure and expression of the chicken epidermal growth factor receptor gene locus. Olofsson B, et al. **Eur J Biochem** 1986 Oct 15;160(2):261–6

The erB–related growth factor receptors. Yamamoto T, et al. **Horiz Biochem Biophys** 1986;8:571–609 (91 ref.)

Amplification of the epidermal growth factor receptor gene in the BT20 breast carcinoma cell line. Lebeau J, et al. **Int J Cancer** 1987 Aug 15;40(2):189–91

Expression of epidermal growth factor receptor gene in cultured human lung cancer cells. Sakiyama S, et al. **Jpn J Cancer Res** 1986 Oct;77(10):965–9

Epidermal growth factor receptor gene–amplified MDA–468 breast cancer cell line and its nonamplified variants. Filmus J, et al. **Mol Cell Biol** 1987 Jan;7(1):251–7

Proto–oncogene c–ros codes for a molecule with structural features common to those of growth factor receptors and displays tissue specific and developmentally regulated expression. Neckameyer WS, et al. **Mol Cell Biol** 1986 May; 6(5):1478–86

Orientation of the v–erb–B gene product in the plasma membrane. Schatzman RC, et al. **Mol Cell Biol** 1986 Apr; 6(4):1329–33

p185, a product of the neu proto–oncogene, is a receptorlike protein associated with tyrosine kinase activity. Stern DF, et al. **Mol Cell Biol** 1986 May;6(5):1729–40

Human HER2 (neu) promoter: evidence for multiple mechanisms for transcriptional initiation. Tal M, et al. **Mol Cell Biol** 1987 Jul;7(7):2597–601

Multiple RFLPs demonstrated for epidermal growth factor receptor (EGFR) on chromosome 7. Smith RF, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6764

High–affinity interleukin 2 binding by an oncogenic hybrid interleukin 2–epidermal growth factor receptor molecule. Bernard O, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2125–9

A chimeric, ligand–binding v–erbB/EGF receptor retains transforming potential. Riedel H, et al. **Science** 1987 Apr 10;236(4798):197–200

Nuclear mechanisms for the increase of epidermal growth factor receptor in squamous cell carcinoma. Hendler FJ, et al. **Trans Assoc Am Physicians** 1985;98:189–97

[The erbB–related protooncogenes encoding growth factor receptors] Yamamoto T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2075–82 (Eng. Abstr.) **(Jpn)**

[Transcriptional control of the protooncogenes—human EGF receptor gene and c–Ha–ras 1 gene] Ishii S. **Tanpakushitsu Kakusan Koso** 1986 Jul;31(8):681–92 (37 ref.) **(Jpn)**

[The erbB–related growth factor receptors] Yamamoto T, et al. **Tanpakushitsu Kakusan Koso** 1986 Sep;31(11):1052–65 (91 ref.) **(Jpn)**

IMMUNOLOGY

Binding of an antagonistic monoclonal antibody to an intact and fragmented EGF–receptor polypeptide. Murthy U, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):549–60

Mechanism of antitumor activity in mice for anti–epidermal growth factor receptor monoclonal antibodies with different isotypes. Masui H, et al. **Cancer Res** 1986 Nov; 46(11):5592–8

Radioimmunoscintigraphy of squamous carcinomas of the head and neck. Soo KC, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):349–52

METABOLISM

Distribution of epidermal growth factor binding sites in the adult rat adrenal gland by light microscope autoradiography. Chabot JG, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):391–5

Presence of epidermal growth factor receptors on human thyroid membranes. Kasai K, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):396–401

The mechanism of TSH induced increase in binding of EGF to porcine thyroid cell monolayers; the role of thyroid hormones. Atkinson S, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:260–3

Growth factor receptors in thyroid follicle cells. Westermark K, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:252–5

Human corpus luteum: presence of epidermal growth factor receptors and binding characteristics. Ayyagari RR, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):942–6

Effects of phenothiazines on binding and processing of epidermal growth factor in 3T3 cells. Selinfreund R, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C904–11

The relationship between epidermal growth factor receptors and the terminal differentiation of A431 carcinoma cells. King IC, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):837–43

Proteolytic processing of epidermal growth factor within endosomes. Schaudies RP, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):710–5

Receptors for epidermal growth factor (urogastrone) and insulin in primary cultures of rat hepatocytes maintained in serum–free medium. O'Connor–McCourt M, et al. **Biochem Cell Biol** 1986 Aug;64(8):803–10

Distinct effects of transforming growth factor–beta on EGF receptors and EGF–induced DNA synthesis in primary cultured rat hepatocytes. Shiota K, et al. **Biochem Int** 1986 Nov;13(5):893–901

Rotational diffusion on cell surfaces: contrasting effect of temperature on epidermal growth factor and Fc (immunoglobulin E) receptors. Jovin TM. **Biochem Soc Trans** 1986 Oct;14(5):817–8

The role of N–ras p21 in the coupling of growth factor receptors to inositol phospholipid turnover. Wakelam MJ, et al. **Biochem Soc Trans** 1987 Feb;15(1):45–7

Cross–linking of epidermal growth factor receptors in intact cells: detection of initial stages of receptor clustering and determination of molecular weight of high–affinity receptors. Fanger BO, et al. **Biochemistry** 1986 Oct 21; 25(21):6414–20

Rapid and efficient purification of plasma membrane from cultured cells: characterization of epidermal growth factor binding. Lin PH, et al. **Biochemistry** 1987 Feb 10; 26(3):731–6

Self–phosphorylation of epidermal growth factor receptor: evidence for a model of intermolecular allosteric activation. Yarden Y, et al. **Biochemistry** 1987 Mar 10;26(5):1434–42

Characterization of hepatic epidermal growth factor receptors in the developing rat. Hoath SB, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):107–13

Effect of streptozotocin–induced diabetes on epidermal growth factor receptors in rat liver plasma membrane. Kashimata M, et al. **Biochim Biophys Acta** 1987 Mar 19; 923(3):496–500

Expression of epidermal growth factor receptors in human lung tumors. Hwang DL, et al. **Cancer** 1986 Nov 15; 58(10):2260–3

Inhibition of epidermal growth factor binding in rat pancreatic acini by palmitoyl carnitine: evidence for Ca2+ and protein kinase C independent regulation. Brockenbrough JS, et al. **Cancer Res** 1987 Apr 1; 47(7):1805–10

Assessment of biological activity of linear alpha–transforming growth factor and monospecific antibodies to alpha–transforming growth factor and linear alpha–transforming growth factor. Hanauske AR, et al. **Cancer Res** 1986 Nov;46(11):5567–70

Isolation of human KB cell lines resistant to epidermal growth factor–Pseudomonas exotoxin conjugates. Lyall RM, et al. **Cancer Res** 1987 Jun 1;47(11):2961–6

TGF–beta inhibition of endothelial cell proliferation: alteration of EGF binding and EGF–induced growth–regulatory (competence) gene expression. Takehara K, et al. **Cell** 1987 May 8;49(3):415–22

Binding of 125I–epidermal growth factor in human uterus. Chegini N, et al. **Cell Tissue Res** 1986;246(3):543–8

Does a fibroblast membrane proteinase affect the binding, uptake and metabolism of epidermal growth factor? Scott GK, et al. **Comp Biochem Physiol [B]** 1986;84(4):595–9

Characterization of epidermal growth factor receptors in cultured vascular smooth muscle cells of rat aorta. Tomita M, et al. **Endocrinol Jpn** 1986 Apr;33(2):177–84

Hormonal control of epidermal growth factor receptors by gonadotropins during granulosa cell differentiation. Feng P, et al. **Endocrinology** 1987 Mar;120(3):1121–6

Kinetics of epidermal growth factor binding and processing in isolated intact rat hepatocytes. Dynamic externalization of receptors during ligand internalization. Gladhaug IP, et al. **Eur J Biochem** 1987 Apr 15;164(2):267–75

Localization of epidermal growth factor receptors in mouse incisors and human premolars during eruption. Thesleff I, et al. **Eur J Orthod** 1987 Feb;9(1):24–32

Phosphorylation of the EGF receptor from A431 epidermoid carcinoma cells by three distinct types of protein kinase C. Ido M, et al. **FEBS Lett** 1987 Jul 13;219(1):215–8

Rat liver membranes contain a 120 kDa glycoprotein which serves as a substrate for the tyrosine kinases of the receptors for insulin and epidermal growth factor. Phillips SA, et al. **FEBS Lett** 1987 Feb 9;212(1):141–4

Decreased levels of hepatic epidermal growth factor receptors in obese hyperglycemic rodents. Blackshear PJ, et al. **J Biol Chem** 1987 Sep 5;262(25):12356–64

Stimulation of epidermal growth factor receptor threonine 654 phosphorylation by platelet–derived growth factor in protein kinase C–deficient human fibroblasts. Davis RJ, et al. **J Biol Chem** 1987 May 15;262(14):6832–41

A calcium–dependent 35–kilodalton substrate for epidermal growth factor receptor/kinase isolated from normal tissue. De BK, et al. **J Biol Chem** 1986 Oct 15;261(29):13784–92

Change in metabolic turnover is an alternate mechanism increasing cell surface epidermal growth factor receptor levels in tumor cells. Gamou S, et al. **J Biol Chem** 1987 May 15;262(14):6708–13

The antiproliferative effect of type beta transforming growth factor occurs at a level distal from receptors for growth–activating factors. Like B, et al. **J Biol Chem** 1986 Oct 15;261(29):13426–9

Tumor necrosis factor increases the number of epidermal growth factor receptors on human fibroblasts. Palombella VJ, et al. **J Biol Chem** 1987 Feb 15;262(5):1950–4

Growth factors modify the epidermal growth factor receptor through multiple pathways. Friedman BA, et al. **J Cell Biochem** 1987 May;34(1):1–11

Heterologous regulation of EGF receptors in fibroblastic cells. Olashaw NE, et al. **J Cell Biochem** 1987 Jun; 34(2):143–9

Expression of epidermal growth factor receptor and associated glycoprotein on cultured human brain tumor cells. Steck PA, et al. **J Cell Biochem** 1986;32(1):1–10

Characterization of a Drosophila protein that binds both epidermal growth factor and insulin–related growth factors. Garcia JV, et al. **J Cell Biol** 1987 Jul;105(1):449–56

Allosteric regulation of the epidermal growth factor receptor kinase. Schlessinger J. **J Cell Biol** 1986 Dec;103(6 Pt 1):2067–72 (48 ref.)

Epidermal growth factor receptor expression during morphological differentiation of pheochromocytoma cells, induced by nerve growth factor or dibutyryl cyclic AMP. Boonstra J, et al. **J Cell Physiol** 1987 Jun;131(3):409–17

Mouse Balb/c3T3 cell mutant with low epidermal growth factor receptor activity: induction of stable anchorage–independent growth by transforming growth factor beta. Kuratomi Y, et al. **J Cell Physiol** 1987 Jan; 130(1):51–7

Toxicity of ligand and antibody–directed ricin A–chain conjugates recognizing the epidermal growth factor receptor. Vollmar AM, et al. **J Cell Physiol** 1987 Jun; 131(3):418–25

Down–modulation of EGF receptors in cells transformed by the src oncogene. Wasilenko WJ, et al. **J Cell Physiol** 1987 Jun;131(3):450–7

The presence of epidermal growth factor binding sites in the intracellular organelles of term human placenta. Ramani N, et al. **J Cell Sci** 1986 Aug;84:19–40

Epidermal growth factor–binding sites, present in normal human and rat pituitaries, are absent in human pituitary adenomas. Birman P, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):275–81

Epidermal growth factor receptor ontogeny in mice with congenital hypothyroidism. Alm J, et al. **J Dev Physiol** 1986 Oct;8(5):377–85

Ontogeny of EGF receptors during postnatal development of mouse small intestine. Gallo–Payet N, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):114–20

Post–translational acquisition of ligand binding– and tyrosine kinase–domain function by the epidermal growth factor and insulin receptors. Lane MD, et al. **J Recept Res** 1987; 7(1–4):321–54

Expression of epidermal growth factor receptors on normal human gastric epithelia and gastric carcinomas. Sakai K, et al. **JNCI** 1986 Nov;77(5):1047–52

Vaccinia virus growth factor stimulates tyrosine protein kinase activity of A431 cell epidermal growth factor receptors. King CS, et al. **Mol Cell Biol** 1986 Jan;6(1):332–6

Müllerian inhibiting substance blocks autophosphorylation of the EGF receptor by inhibiting tyrosine kinase. Coughlin JP, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):75–86

Requirement for intrinsic protein tyrosine kinase in the immediate and late actions of the EGF receptor. Chen WS, et al. **Nature** 1987 Aug 27–Sep 2;328(6133):820–3

A chimaeric receptor allows insulin to stimulate tyrosine kinase activity of epidermal growth factor receptor. Riedel H, et al. **Nature** 1986 Nov 6–12;324(6092):68–70

Activity of a recombinant fusion protein between transforming growth factor type alpha and Pseudomonas toxin. Chaudhary VK, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4538–42

Evidence for a subtype of insulin–like growth factor I receptor in brain. Heidenreich KA, et al. **Regul Pept** 1986 Nov;15(4):301–10

Staphylococcus aureus alpha–toxin. 2. Reduction of epidermal growth factor receptor affinity in PC12 cells. Lazarovici P, et al. **Toxicon** 1987;25(6):637–47

Virus expression. EGF and transferrin receptors in human papillomas. Viac J, et al. **Virchows Arch [A]** 1987; 411(1):73–7

[Studies on production of human epidermal growth factor and its receptor in human hepatoma cell line (PLC/PRF/5)] Hase K. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):128 **(Jpn)**

[Effect of experimental diabetes on epidermal growth factor (EGF) receptors in the rat liver] Kashimata M, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):253–9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Evidence that thyroid growth promoting activity of immunoglobulin preparations is due to contamination with EGF. Gärtner R, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:256–9

Receptors for epidermal growth factor and other polypeptide mitogens. Carpenter G. **Annu Rev Biochem** 1987;56:881–914 (275 ref.)

Modified ganglioside as a possible modulator of transmembrane signaling mechanism through growth factor receptors: a preliminary note. Hanai N, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):127–34

Epidermal growth factor (EGF) stimulates inositol trisphosphate formation in cells which overexpress the EGF receptor. Wahl MI, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):688–95

Epidermal growth factor induces rapid, reversible aggregation of the purified epidermal growth factor receptor. Yarden Y, et al. **Biochemistry** 1987 Mar 10; 26(5):1443–51

Nobel lecture. Epidermal growth factor. Cohen S. **Biosci Rep** 1986 Dec;6(12):1017–28 (62 ref.)

Tumor growth modulation by a monoclonal antibody to the epidermal growth factor receptor: immunologically mediated and effector cell–independent effects. Rodeck U,

et al. **Cancer Res** 1987 Jul 15;47(14):3692–6

Antireceptor antibodies in the study of EGF–receptor interaction. Defize LH, et al. **Cell Differ** 1987 Mar; 20(2–3):87–102 (37 ref.)

The role of EGF receptor transmodulation in embryonal carcinoma–derived growth factor–induced mitogenesis. Heath JK, et al. **EMBO J** 1986 Aug;5(8):1809–14

Vaccinia virus and the EGF receptor: a portal for infectivity? Marsh YV, et al. **J Cell Biochem** 1987 Aug;34(4):239–45

Electric field–induced redistribution and postfield relaxation of epidermal growth factor receptors on A431 cells. Giugni TD, et al. **J Cell Biol** 1987 May;104(5):1291–7

Ionic signalling by growth factor receptors. Moolenaar WH, et al. **J Exp Biol** 1986 Sep;124:359–73

Malignant transformation of murine fibroblasts by a human c–Ha–ras–1 oncogene does not require a functional epidermal growth factor receptor. McKay IA, et al. **Mol Cell Biol** 1986 Oct;6(10):3382–7

Epidermal growth factor and its receptor. Gill GN, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):169–86 (156 ref.)

[Relation between the proliferative activity of hepatocytes and the number of epidermal growth factor receptors] Osipova LA, et al. **Dokl Akad Nauk SSSR** 1987; 295(3):753–6 **(Rus)**

RECEPTORS, ESTRADIOL see under **RECEPTORS, ESTROGEN**

RECEPTORS, ESTROGEN

Subunit composition of the molybdate–stabilized "8–9 S" nontransformed estradiol receptor purified from calf uterus. Redeuilh G, et al. **J Biol Chem** 1987 May 25; 262(15):6969–75

ANALYSIS

Cell collection from fine needle aspirates for estrogen receptor immunocytochemical assay [letter] Earl M. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):377–8

Estrogen binding sites and estrophilin histochemistry and their correlation with oestrogen receptor biochemistry. van Bogaert LJ. **Acta Histochem (Jena)** 1987;81(1):7–17 (41 ref.)

Estrogen receptor levels and survival of breast cancer patients. A study on patients participating in randomized trials of adjuvant therapy. Skoog L, et al. **Acta Oncol** 1987; 26(2):95–100

Gynecomastia. Immunohistochemical demonstration of estrogen receptors. Andersen J, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1987 Sep; 95(5):263–7

Enzyme immuno assay of the estrogen receptor in breast cancer biopsy samples. A comparison with isoelectric focusing. Fernö M, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):171–5

Influence of steroid hormones on the growth fraction of human breast carcinomas. Jones B, et al. **Am J Clin Pathol** 1987 Aug;88(2):132–8

The value of imprint cytology in cytochemical detection of steroid hormone receptors in breast cancer. Masood S, et al. **Am J Clin Pathol** 1987 Jan;87(1):30–6

Detection of estrogen receptors with monoclonal antibodies in routinely processed formalin–fixed paraffin sections of breast carcinoma. Use of DNase pretreatment to enhance sensitivity of the reaction. Shintaku IP, et al. **Am J Clin Pathol** 1987 Feb;87(2):161–7

A case–control study of breast cancer stratified by estrogen receptor status. Stanford JL, et al. **Am J Epidemiol** 1987 Feb;125(2):184–94

Circannual rhythms in steroid receptor concentration in gynecologic and breast cancers. Chambers JT, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):728–9

Localization of an estrogen–responsive protein in the human cervix during menstrual cycle, pregnancy, and menopause and in abnormal cervical epithelia without atypia. Ciocca DR, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1090–6

Determination of estrogen and androgen receptors in Trichomonas vaginalis and the effects of antihormones. Ford LC, et al. **Am J Obstet Gynecol** 1987 May; 156(5):1119–21

Histologic composition of endometrial carcinomas analyzed for steroid receptor content. Soper JT, et al. **Am J Obstet Gynecol** 1987 Jul;157(1):26–7

Estrogen receptor analysis on biopsies and fine–needle aspirates from human breast carcinoma. Correlation of biochemical and immunohistochemical methods using monoclonal antireceptor antibodies. Reiner A, et al. **Am J Pathol** 1986 Dec;125(3):443–9

A comparison of estrogen and progesterone receptors in black and white breast cancer patients. Beverly LN, et al. **Am J Public Health** 1987 Mar;77(3):351–3

Monoclonal antibody staining and impact of surgical technique on the identification and quantitation of steroid receptors in human breast cancer. Butler J, et al. **Am J Surg** 1987 Jul;154(1):62–6

Fluorescence–based assay of estrogen receptor using 12–oxo–9(11)–dehydroestradiol–17 beta. Katzenellenbogen JA, et al. **Anal Biochem** 1986 Dec;159(2):336–48

Quality control of estrogen and progesterone receptor assays. Chua D, et al. **Ann Acad Med Singapore** 1986 Oct; 15(4):492–7

Oestrogen and progesterone receptor concentrations in leiomyoma and normal myometrium. Sadan O, et al. **Ann Clin Biochem** 1987 May;24 (Pt 3):263–7

Estrogen receptor in the larynx of the aged baboon (Papio cynocephalus). Holt GR, et al. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):608–17

Relapse of endometrial carcinoma related to steroid receptor concentration, staging, histologic grading and myometrial invasion. Lindahl B, et al. **Anticancer Res** 1986 Nov–Dec; 6(6):1317–20

Increased recovery of estrogen receptor in crude homogenates of breast cancer biopsies. A preliminary report. Sällström JF, et al. **Anticancer Res** 1987 May–Jun; 7(3 Pt B):527–9

A multifactorial analysis of different biological and clinical parameters in breast cancer. Toma S, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):401–7

Estrogen receptor content in breast cancer: correlation between biochemical and immunohistochemical methods. Sforza V, et al. **Appl Pathol** 1986;4(4):292–6

Correlation between estrogen and progesterone receptors and certain pathologic features with prognostic significance in primary invasive breast carcinomas. Santini D, et al. **Arch Anat Cytol Pathol** 1986;34(2):85–8

Estrogen receptors in malignant melanoma [letter] Delarue JC, et al. **Arch Dermatol** 1987 Feb;123(2):159–60

Absence of estrogen receptor in human melanoma as evaluated by a monoclonal antiestrogen receptor antibody. Flowers JL, et al. **Arch Dermatol** 1987 Jun;123(6):764–5

Estrogen receptors in breast cancer; relationship to age, menstrual status and histological type. Gómez P, et al. **Arch Invest Med (Mex)** 1987 Jan–Mar;18(1):31–6 **(Eng, Spa)**

Estrogen receptors in normal salivary gland and salivary gland carcinoma. Dimery IW, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1082–5

Estradiol and progesterone receptors in a case of fibromatosis of the breast. Pierce VE Jr, et al. **Arch Pathol Lab Med** 1987 Sep;111(9):870–2

Estradiol–17 beta affects estrogen receptor distribution and elevates progesterone receptor content in baboon aorta. Lin AL, et al. **Arteriosclerosis** 1986 Sep–Oct;6(5):495–504

Steroid receptors and histological types in cervical cancer. Fujimoto J, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):541–8

Computer–based search for steroid and DNA binding sites on estrogen and glucocorticoid receptors. Baker ME. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):281–6

Soluble and nuclear oestrogen receptor status of advanced endometrial cancer in relation to subsequent clinical prognosis. Castagnetta L, et al. **Br J Cancer** 1987 May; 55(5):543–6

Oestrogen and progesterone receptor distribution in the cancerous breast. Panahy C, et al. **Br J Cancer** 1987 Apr; 55(4):459–62

Oestrogen receptors in primary and advanced breast cancer: an eight year review of 704 cases. Williams MR, et al. **Br J Cancer** 1987 Jan;55(1):67–73

Steroid receptors in human ovarian malignancy. A review of four years tissue collection. Toppila M, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):986–92

Predictive power of progesterone receptor status in early breast carcinoma. Sutton R, et al. **Br J Surg** 1987 Mar; 74(3):223–6

Estrogen binding in nuclear and cytosolic extracts from brain and pituitary of middle–aged female rats. Rubin BS, et al. **Brain Res** 1986 Sep 24;383(1–2):60–7

Relationship between ER–ICA and conventional steroid receptor assays in human breast cancer. Di Fronzo G, et al. **Breast Cancer Res Treat** 1986;8(1):35–43

Tumor nuclear grade, estrogen receptor, and progesterone receptor: their value alone or in combination as indicators of outcome following adjuvant therapy for breast cancer. Fisher B, et al. **Breast Cancer Res Treat** 1986;7(3):147–60

Intratumoral variations in cytoplasmic estrogen receptor levels in breast cancer. Lluch A, et al. **Breast Cancer Res Treat** 1987;9(1):69–70

Antiestrogen binding sites in microsomal fractions of malignant and nonmalignant human breast tissues. Mehta RR, et al. **Breast Cancer Res Treat** 1987;9(1):61–7

Immunological detection and quantitation of alpha transforming growth factors in human breast carcinoma cells. Perroteau I, et al. **Breast Cancer Res Treat** 1986; 7(3):201–10

Prognostic implication of labeling index versus estrogen receptors and tumor size in node–negative breast cancer. Silvestrini R, et al. **Breast Cancer Res Treat** 1986;7(3):161–9

Histological grade in predicting response to endocrine treatment. Williams MR, et al. **Breast Cancer Res Treat** 1986;8(2):165–6

Estrogen receptor immunocytochemical assay (ERICA) and laminin detection in 130 breast carcinomas and computerized (Samba 200) multiparametric quantitative analysis on tissue sections. Charpin C, et al. **Bull Cancer (Paris)** 1986;73(6):651–64

Breast cancer in men. Clinical features, hormone receptor status, and response to therapy. Bezwoda WR, et al. **Cancer** 1987 Sep 15;60(6):1337–40

Estrogen and progesterone receptor determination in the papillary cystic neoplasm of the pancreas. With immunohistochemical and ultrastructural observations. Ladanyi M, et al. **Cancer** 1987 Oct 1;60(7):1604–11

Response to tamoxifen in estrogen receptor–poor metastatic breast cancer. Vogel CL, et al. **Cancer** 1987 Sep 15; 60(6):1184–9

Evaluation of estrogen receptors by immunocytochemistry on fine–needle aspiration biopsy specimens from breast tumors. Weintraub J, et al. **Cancer** 1987 Sep 15; 60(6):1163–72

Nuclear steroid receptors and dysplasia in adenomatous polyps of the colon as markers of high risk for malignant transformation. Concolino G, et al. **Cancer Detect Prev** 1986;9(5–6):477–84

Decision analysis of estrogen and progesterone receptor testing in the management of breast cancer. Ellwein LB, et al. **Cancer Invest** 1987;5(2):83–8

Estrogen receptor in dissociated and cultured human breast fibroadenoma epithelial cells. Balakrishnan A, et al. **Cancer Lett** 1987 Mar;34(3):233–42

Long–term alterations in histology and steroid receptor levels of the genital tract and mammary gland following neonatal exposure of female BALB/cCrgl mice to various doses of diethylstilbestrol. Bern HA, et al. **Cancer Res** 1987 Aug 1;47(15):4165–72

Immunohistochemical analyses of estrogen receptor in endometrial adenocarcinoma using a monoclonal antibody. Budwit–Novotny DA, et al. **Cancer Res** 1986 Oct; 46(10):5419–25

Histochemical studies with an estrogen receptor–related protein in human breast tumors. Cano A, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6475–80

Effect of cytotoxic drugs on estrogen receptor expression and response to tamoxifen in MCF–7 cells. Clarke R, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6116–9

Proliferation, hormonal responsiveness, and estrogen receptor content of MCF–7 human breast cancer cells grown in the short–term and long–term absence of estrogens. Katzenellenbogen BS, et al. **Cancer Res** 1987 Aug 15;47(16):4355–60

Prediction of clinical outcome with estrogen and progestin receptor concentrations and their relationships to clinical and histopathological variables in endometrial cancer. Kauppila AJ, et al. **Cancer Res** 1986 Oct;46(10):5380–4

2',5'–oligoadenylate synthetase activity in human mammary tumors and its potential correlation with tumor growth or hormonal responsiveness. Liu DK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6207–10

Immunocytochemical demonstration of estrogen receptors by monoclonal antibodies in human breast cancer: correlation with estrogen receptor assay by dextran–coated charcoal method. Marchetti E, et al. **Cancer Res** 1987 May 1;47(9):2508–13

Sex hormone response of a newly established squamous cell line derived from clinical esophageal carcinoma. Matsuoka H, et al. **Cancer Res** 1987 Aug 1;47(15):4134–40

Expression of the gene encoding a prolactin–inducible protein by human breast cancers in vivo: correlation with steroid receptor status. Murphy LC, et al. **Cancer Res** 1987 Aug 1;47(15):4160–4

Immunological quantitation of nuclear receptors in human breast cancer: relation to cytosolic estrogen and progesterone receptors. Thorpe SM. **Cancer Res** 1987 Apr 1;47(7):1830–5

Oestrogen and progesterone receptor determinations in breast cancer: technology and biology. Thorpe SM, et al. **Cancer Surv** 1986;5(3):505–25 (110 ref.)

Randomized comparison of tamoxifen versus diethylstilbestrol in estrogen receptor–positive or –unknown metastatic breast cancer: a Southeastern Cancer Study Group trial. Gockerman JP, et al. **Cancer Treat Rep** 1986 Oct;70(10):1199–203

Estrogen and progesterone receptors in neoplastic cells of metastatic pleural effusion of breast carcinoma before and after tamoxifen therapy. Correlation with the clinical response. Di Lorenzo D, et al. **Chemioterapia** 1986 Aug; 5(4):232–6

Progesterone receptors should be measured in postmenopausal women negative for estrogen receptor [letter] Barnes DM, et al. **Clin Chem** 1987 May;33(5):741–2

Are progesterone receptor assays needed in post–menopausal, estrogen receptor–negative patients? [letter] Brocklehurst D, et al. **Clin Chem** 1986 Nov;32(11):2120

Estradiol receptors in human breast carcinomas assayed by use of monoclonal antibodies. Duffy MJ, et al. **Clin Chem** 1986 Oct;32(10):1972–4

Enzyme–linked immunochemical measurement of estrogen receptor in gynecologic tumors, and an overview of steroid receptors in ovarian carcinoma. Holt JA, et al. **Clin Chem** 1986 Oct;32(10):1836–43

Estrogen and progesterone receptors and creatine kinase isoenzymes in human breast cancer. Lakatua DJ, et al. **Clin Chem** 1986 Nov;32(11):2103–4

The Abbott ER–EIA monoclonal kit [letter] Nolan C, et al. **Clin Chem** 1987 Jun;33(6):1105–8

Separation methods in the estrogen–receptor assay: dextran–coated charcoal compared with glass fibre. Robertson JM, et al. **Clin Chem** 1986 Nov;32(11):2104–5

Steroid receptors and endometrial cancer. Soper JT, et al. **Clin Obstet Gynaecol** 1986 Dec;13(4):825–42

A study of cytoplasmic and nuclear estrogen and progestin receptors in gynecologic neoplasms. Sakamoto H, et al. **Endocrinol Jpn** 1987 Apr;34(2):179–87

Identification of a very large nuclear estrogen receptor complex. Baranowska–Kortylewicz J, et al. **Endocrinology** 1987 May;120(5):2189–91

Correlation between prolactin receptors (PRL R), estradiol

(ER) and progesterone receptors (PgR) in human breast cancer. Bonneterre J, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1331–6

Heterogeneity of soluble and nuclear oestrogen receptor status of involved nodes in relation to primary breast cancer. Castagnetta L, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):31–5

Standardization of steroid receptor assays in human breast cancer—IV. Long-term within- and between-laboratory variation of estrogen and progesterone receptor assays. Koenders A, et al. **Eur J Cancer Clin Oncol** 1986 Aug; 22(8):945–52

Estrogen and antiestrogen binding sites in desmoid tumors. Lim CL, et al. **Eur J Cancer Clin Oncol** 1986 May; 22(5):583–7

Estrogen and progestin receptor assay in fine needle aspirates of breast cancer: methodological aspects. Magdelenat H, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):425–31

Standardization of steroid receptor assays in human breast cancer—III. Selection of reference material for intra- and inter-laboratory quality control. Thorpe SM, et al. **Eur J Cancer Clin Oncol** 1986 Aug;22(8):939–44

Intermediate estrogen receptor levels in breast cancer. van Netten JP, et al. **Eur J Cancer Clin Oncol** 1986 Dec; 22(12):1543–5

Estrogen and progesterone receptors status in the prediction of response of breast cancer to endocrine therapy (preliminary report). Nardelli GB, et al. **Eur J Gynaecol Oncol** 1986;7(3):151–8

Oestrogen receptor status of breast cancers from related patients. Crawford DJ, et al. **Eur J Surg Oncol** 1986 Sep; 12(3):257–9

Correlation between estrogen receptor levels and clinical response to ovariectomy in premenopausal women with advanced breast cancer. Oriana S, et al. **Eur J Surg Oncol** 1986 Dec;12(4):343–6

Oestrogen receptor concentration and macrophage infiltration in human breast cancer. Steele RJ, et al. **Eur J Surg Oncol** 1986 Sep;12(3):273–6

Sex hormone receptors in intracranial tumours and normal brain. Whittle IR, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):303–7

Correlation between estrophilin immunoreactivity and androgen receptor-binding activity in meningiomas. Lesch KP, et al. **Eur Neurol** 1987;26(4):252–7

Evidence for a possible cytosol estrogen receptor deficiency in endocervical glands of infertile women with poor cervical mucus. Abuzeid MI, et al. **Fertil Steril** 1987 Jan; 47(1):101–7

Estrogen receptor binding material in blood of patients after clomiphene citrate administration: determination by a radioreceptor assay. Geier A, et al. **Fertil Steril** 1987 May; 47(5):778–84

Effect of spironolactone and potassium canrenoate on cytosolic and nuclear androgen and estrogen receptors of rat liver. Francavilla A, et al. **Gastroenterology** 1987 Oct; 93(4):681–6

Sex hormone-related functions in regenerating male rat liver. Francavilla A, et al. **Gastroenterology** 1986 Nov; 91(5):1263–70

Hepatic estrogen receptor in human liver disease. Porter LE, et al. **Gastroenterology** 1987 Mar;92(3):735–45

Estrogen binding macromolecules in hypothalamus–preoptic area of male and female gray short-tailed opossums (Monodelphis domestica). Etgen AM, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):441–6

Endometrial stromal sarcoma: a clinicopathologic study of 11 cases with determination of estrogen and progestin receptor levels in three tumors. Katz L, et al. **Gynecol Oncol** 1987 Jan;26(1):87–97

Estrogen synthesizing rare malignant Brenner tumor of the ovary with the presence of progesterone and androgen receptors in the absence of estrogen receptors. Kühnel R, et al. **Gynecol Oncol** 1987 Feb;26(2):263–9

Identification of oestrogen receptors in cells of paraffin-processed breast cancers by IGSS. Teasdale J, et al. **Histochemistry** 1987;87(2):185–7

Correlation between immunohistochemically determined oestrogen receptor content, using monoclonal antibodies, and qualitative and quantitative tissue features in ductal breast cancer. Tosi P, et al. **Histopathology** 1987 Jul; 11(7):741–51

Carcinoembryonic antigen & estrogen receptor protein in breast cancer. Khemani AK, et al. **Indian J Med Res** 1987 Jan;85:61–3

Immunological quantitation of phospholipid/Ca2+-dependent protein kinase of human mammary carcinoma cells: inverse relationship to estrogen receptors. Borner C, et al. **Int J Cancer** 1987 Sep 15; 40(3):344–8

In vitro effects of tamoxifen on UM-SCC head and neck cancer cell lines: correlation with the estrogen and progesterone receptor content. Grenman R, et al. **Int J Cancer** 1987 Jan 15;39(1):77–81

Comparison of circulating MAM-6 and CEA levels and correlation with the estrogen receptor in patients with breast cancer. Hilkens J, et al. **Int J Cancer** 1987 Apr 15; 39(4):431–5

Receptors for epidermal growth factor and estradiol in canine mammary tumors. Nerurkar VR, et al. **Int J Cancer** 1987 Aug 15;40(2):230–2

Clinical evaluation of steroid receptors in ovarian neoplasms. Agarwal N, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):145–9

Estrogen receptors in breast cancer—therapeutic response to the treatment of recurrences. Pinotti JA, et al. **Int J Gynaecol Obstet** 1987 Apr;25(2):127–31

Labeling of estrogen receptors in breast cancer. Therain F, et al. **Int J Rad Appl Instrum [B]** 1986;13(2):141–6

Conformational transitions of the estrogen receptor monomer. Effects of estrogens, antiestrogen, and temperature. Hansen JC, et al. **J Biol Chem** 1986 Oct 25; 261(30):13990–6

Prognostic significance of steroid hormone receptors and histopathological characterization of human breast cancer. Reiner A, et al. **J Cancer Res Clin Oncol** 1987;113(3):285–90

Cytotoxic esters of 1,1-bis-(4-hydroxyphenyl)-2-phenyl-but-1-ene with selective antitumor activity against estrogen receptor-containing mammary tumors. Schuderer ML, et al. **J Cancer Res Clin Oncol** 1987;113(3):230–4

Breast cancers negative for estrogen receptor but positive for progesterone receptor, a true entity? Kiang DT, et al. **J Clin Oncol** 1987 Apr;5(4):662–6

Estrogen receptor by enzyme immunoassay: discordant findings with respect to dextran-coated charcoal [letter] Navarro MA, et al. **J Clin Oncol** 1987 Apr;5(4):679

Estrogen receptor in malignant melanoma. Walker MJ, et al. **J Clin Oncol** 1987 Aug;5(8):1256–61

Immunohistology of oestrogen receptor and D5 antigen in breast cancer: correlation with oestrogen receptor content of adjacent cryostat sections assayed by radioligand binding and enzyme immunoassay. Giri DD, et al. **J Clin Pathol** 1987 Jul;40(7):734–40

Steroid hormone receptors in human salivary gland tumours. Lamey PJ, et al. **J Clin Pathol** 1987 May;40(5):532–4

Oestrogen receptor in the granulosa cell during postnatal development of the rat ovary. Kudolo GB, et al. **J Endocrinol** 1987 Feb;112(2):333–8

Effects of ageing and hormonal manipulations on the level of oestrogen receptors in the guinea-pig prostate. Tilley WD, et al. **J Endocrinol** 1987 Jan;112(1):139–44

Oestrogen and progesterone hormone receptors in Dupuytren's disease. Hankin FM, et al. **J Hand Surg [Br]** 1986 Oct;11(3):463–4

Utility of [16 alpha-125I] iodoestradiol for autoradiography for the study of cellular and regional distribution of receptors. Stumpf WE, et al. **J Histochem Cytochem** 1987 Jan;35(1):87–92

Correlation of meningioma hormone receptor status with hormone sensitivity in a tumor stem-cell assay. Grunberg SM, et al. **J Neurosurg** 1987 Mar;66(3):405–8

Survival in breast cancer related to tumour oestrogen receptor status and immunohistochemical staining for NCRC 11. Angus B, et al. **J Pathol** 1986 Aug;149(4):301–6

Clinicopathological significance of intratumoural variations in elastosis grades and the oestrogen receptor status of human breast carcinomas. Giri DD, et al. **J Pathol** 1987 Apr;151(4):297–303

Estrogen and progesterone receptor assays on the vulvar epithelium. Garau JM, et al. **J Reprod Med** 1986 Oct; 31(10):987–91

Analysis of the nuclear estrogen receptor from MCF-7 cells by limited proteolysis. Geier A, et al. **J Steroid Biochem** 1987 Jan;26(1):35–40

Receptor structure: a personal assessment of the current status. King RJ. **J Steroid Biochem** 1986 Sep;25(3):451–4 (52 ref.)

Estrogen and androgen receptors in the liver of cynomolgus monkeys (Macaca fascicularis). Marschke KB, et al. **J Steroid Biochem** 1987 Apr;26(4):443–50

Decreased concentrations and affinities of oestrogen and progesterone receptors of intrauterine tissue in human pregnancy. Padayachi T, et al. **J Steroid Biochem** 1987 Apr; 26(4):473–9

Limitation of immunohistochemical localization of estrogen receptor. Chaudhuri PK, et al. **J Surg Oncol** 1986 Oct; 33(2):88–91

Estrogen and progesterone receptor levels are lower in specimens taken from previously biopsied breast tumor tissue. Sharoni Y, et al. **J Surg Oncol** 1987 Jul;35(3):197–200

The effects of ischemia on estrogen and progesterone receptor profiles in the rodent uterus. Bland KI, et al. **J Surg Res** 1987 Jun;42(6):653–60

Immunodetection of estrogen receptor and 52,000-dalton protein in fine needle aspirates of breast cancer tumors. Cavailles V, et al. **JNCI** 1987 Aug;79(2):245–52

Tamoxifen binding sites in human mammary cancers. Fujino N, et al. **Jpn J Surg** 1986 Sep;16(5):311–7

Epidermal-growth-factor receptor status as predictor of early recurrence of and death from breast cancer. Sainsbury JR, et al. **Lancet** 1987 Jun 20;1(8547):1398–402

The predictive value of steroid hormone receptor analysis in breast, endometrial and ovarian cancer. Vihko R, et al. **Med Oncol Tumor Pharmacother** 1986;3(3-4):197–210 (102 ref.)

Predicting response to tamoxifen in metastatic breast cancer. Connor JL, et al. **Nebr Med J** 1986 Dec;71(12):422–6

Comparison of estrogen receptor enzyme immunoassay and a radioligand binding assay (isoelectric focusing) in adenocarcinoma of the uterine body. Horvath G, et al. **Neoplasma** 1987;34(3):313–7

Steroid hormone receptors in pituitary adenomas: a biochemical, immunohistochemical and morphometric study on cryostat sections. Ironside JW, et al. **Neuropathol Appl Neurobiol** 1986 Nov-Dec;12(6):539–46

Are cytosol estrogen and progestin receptors of prognostic significance in the management of epithelial ovarian cancers? Schwartz PE, et al. **Obstet Gynecol** 1986 Dec; 68(6):751–8

Estrogen and progesterone receptors in uterine sarcomas. Sutton GP, et al. **Obstet Gynecol** 1986 Nov;68(5):709–14

Relationship between flow cytometric parameters, steroid receptors, and menopausal status in breast cancers. Abandowitz HM, et al. **Oncology** 1987;44(1):24–9

Estimation of estrogen receptors in the clinical laboratory. Hähnel R. **Pathol Immunopathol Res** 1986;5(1):54–72 (128 ref.)

Relation between receptor status and ultrastructure in breast cancer: E+P+ versus E-P-. Stegner HE, et al. **Pathol Res Pract** 1986 Aug;181(4):377–81

Use of aminoglutethimide for the treatment of advanced breast cancer. Clinical correlations with previous treatment, oestrogen-receptor and menstrual status. Bezwoda WR, et al. **S Afr Med J** 1987 Jul 18;72(2):107–9

The interaction of estrogen receptor status and race in predicting prognosis for stage I breast cancer patients. Crowe JP Jr, et al. **Surgery** 1986 Oct;100(4):599–605

Estrogen and progesterone receptors in human breast cancer. Chen TJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr; 86(4):366–72

Determination of estrogen receptors in human breast cancer: comparison between enzyme immunoassay and dextran-coated charcoal method. Bozzetti C, et al. **Tumori** 1986 Oct 31;72(5):511–4

Sex hormone receptors in localized and advanced transitional cell carcinoma of urinary tract in humans. Noronha RF, et al. **Urology** 1986 Nov;28(5):401–3

[Estrogen receptor (ER) of breast cancer cells. II. Quantitative analysis of breast cancer cells bound with fluoresceinate-ER] Zheng S. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):96–9 (Eng. Abstr.) **(Chi)**

[Placental estrogen and progesterone receptors in relation to gestational stage] Gao YL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):261–3, 317 (Eng. Abstr.) **(Chi)**

[The pattern of metastases in breast cancer and the relation to estrogen receptor status] Kamby C, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2546–8 (Eng. Abstr.) **(Dan)**

[Estrogen receptors in cancer of the breast. Comparison of 2 methods] Delarue JC, et al. **Ann Biol Clin (Paris)** 1986; 44(6):629–33 (Eng. Abstr.) **(Fre)**

[Breast tissue: estrogen receptors. Immunohistochemical and biochemical analysis of normal and hyperplastic tissue and carcinoma in situ. Apropos of 86 cases] Jacquemier J, et al. **Bull Cancer (Paris)** 1987;74(2):129–49 (Eng. Abstr.) **(Fre)**

[Determination of hormone receptors in cancer of the breast. Presentation of 5-year results in Luxembourg] Hoffmann JP. **Bull Soc Sci Med Grand Duche Luxemb** 1986; 123(2):57–9 **(Fre)**

[Correlations between various anatomo-pathologic criteria of cancer of the breast and the determination of hormonal receptors] Lenzen B, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):79–81 **(Fre)**

[Standardization of receptor diagnosis in breast cancer] Hickler W, et al. **Dtsch Med Wochenschr** 1986 Dec 12; 111(50):1931–3 **(Ger)**

[Estrogen receptor status in breast carcinoma. Results of comparative immunohistochemical and biochemical studies] Köhler G, et al. **Dtsch Med Wochenschr** 1986 Dec 19;111(51–52):1954–60 (Eng. Abstr.) **(Ger)**

[Cytomorphological grading and hormone receptor status in breast carcinoma. Visual studies of smear preparations] Schenck U, et al. **Dtsch Med Wochenschr** 1986 Dec 19; 111(51–52):1949–53 (Eng. Abstr.) **(Ger)**

[Monoclonal antibodies for the immunohistochemical detection of estrogen receptor status in tissue sections of primary breast cancers] Beck T, et al. **Geburtshilfe Frauenheilkd** 1986 Aug;46(8):490–4 (Eng. Abstr.) **(Ger)**

[Nuclear receptors in estrogen receptor negative tumors with progesterone receptors] Geyer H, et al. **Onkologie** 1987 Apr;10(2):79–82 (Eng. Abstr.) **(Ger)**

[Clinical relevance of the determination of hormone receptors in metastatic breast cancer] Saul G, et al. **Radiobiol Radiother (Berl)** 1987;28(1):33–7 (Eng. Abstr.) **(Ger)**

[Estrogen and progesterone receptors in human liver: does their study contribute to a better understanding of benign contraceptive-associated liver tumors?] Pirovino M, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):971–3 (Eng. Abstr.) **(Ger)**

[Comparison of immunohistochemical and biochemical analysis of estrogen receptors in breast carcinoma and correlations with the histological tumor classification] Reiner A, et al. **Verh Dtsch Ges Pathol** 1986;70:243–6 (Eng. Abstr.) **(Ger)**

[Steroid hormone receptors in struma] Stoss F, et al. **Wien Klin Wochenschr** 1987 Jun 26;99(13):460–1 (Eng. Abstr.) **(Ger)**

[Estrogen receptor status of breast cancer patients] Winzer KJ, et al. **Zentralbl Chir** 1986;111(15):915–20 (Eng. Abstr.)

(Ger)
[Hormone receptors in normal and pathological salivary glands. Preliminary results] Altissimi G, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):515–23 (Eng. Abstr.) (Ita)
[Proposal for a standardized protocol for the assay of nuclear estradiol receptors] Selvatici R, et al. **Boll Soc Ital Biol Sper** 1986 Sep 30;62(9):1111–8 (Eng. Abstr.) (Ita)
[Breast neoplasms: possible prognostic role of steroid receptors] Barbi GP, et al. **Minerva Ginecol** 1987 Apr; 39(4):225–8 (Eng. Abstr.) (Ita)
[Estrogen and progesterone receptors in cancer of the female breast: correlation with the age of the patients, fertility status, tumor stage and grading] Bracali G, et al. **Pathologica** 1986 Mar–Apr;78(1054):179–94 (Eng. Abstr.) (Ita)
[Hormone-dependency of human breast cancer in in vitro clonogenic assay] Nomura Y, et al. **Gan No Rinsho** 1987 Feb;33(2):153–8 (Eng. Abstr.) (Jpn)
[Enzyme immunoassay and radioimmunoassay using monoclonal antibody for the determination of estrogen receptors in human breast cancer] Ohnami S, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3447–52 (Eng. Abstr.) (Jpn)
[Comparative study of estrogen receptor assays between immunocytochemical assay using monoclonal antibody and the dextran- coated charcoal method] Toi M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3056–62 (Eng. Abstr.) (Jpn)
[Measurement of cytosol estrogen receptor in human breast cancer using 16 alpha-125I-estradiol] Iida Y, et al. **Kaku Igaku** 1987 Mar;24(3):327–33 (Jpn)
[Prognostic value of hormone receptor in breast cancer] Yamamoto H, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan; 88(1):96–101 (Eng. Abstr.) (Jpn)
[Electron microscopical and immunohistochemical study of human endometrial carcinoma with special reference to localization of estrogen receptors and carcinoembryonic antigen] Kato H. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Sep;38(9):1553–62 (Eng. Abstr.) (Jpn)
[Effect of neonatal castration on sex steroid receptor levels in the hypophysis of male rats] Babichev VN, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):210–1 (Eng. Abstr.) (Rus)
[Plasma levels of sex hormones and their receptors in the endometrium of women with normal menstrual cycle] Asribekova MK, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):30–3 (Eng. Abstr.) (Rus)
[Statistical analysis of results in the determination of steroid hormone receptors] Degtiar' VG, et al. **Vopr Med Khim** 1987 May–Jun;33(3):121–6 (Eng. Abstr.) (Rus)
[Clinical importance of determining steroid hormone receptors in endometrial adenocarcinomas] Avdeev VI, et al. **Vopr Onkol** 1987;33(6):53–7 (Eng. Abstr.) (Rus)
[Cytoplasmic receptors of steroid sex hormones in malignant tumors amd precancerous processes of the human oral mucosa] Bassalyk LS, et al. **Vopr Onkol** 1987;33(1):28–30 (Eng. Abstr.) (Rus)
[Characterization of the estradiol receptor in human meningioma using saccharose gradients] Medina M, et al. **Rev Invest Clin** 1987 Jan–Mar;39(1):29–33 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

Differential induction of hepatic estrogen receptor and vitellogenin gene transcription in Xenopus laevis. Riegel AT, et al. **Endocrinology** 1987 Apr;120(4):1283–90
Sexual maturation-associated and estrogen-induced progesterone receptor expression in the bursa of Fabricius. Ylikomi TJ, et al. **J Immunol** 1987 May 15;138(10):3174–8
[Ovarian and adrenal influence on the ontogenesis of uterine cytosol and nuclear receptors of estrogens] González-Quijano MI, et al. **Rev Esp Fisiol** 1987 Mar; 43(1):69–76 (Eng. Abstr.) (Spa)

CLASSIFICATION

Hormone-free estrogen receptors in target cell nuclei: a commentary. Raam S. **Steroids** 1986 Apr–May; 47(4–5):337–40

DRUG EFFECTS

Hormonal effects on unoccupied estrogen receptors in nuclei of anterior pituitary glands. Weisenberg LS, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(4):473–87
The effect of copper ions in vivo on specific hormonal endometrial receptors. de Castro A, et al. **Adv Contraept** 1986 Dec;2(4):399–404
Effects of clomiphene citrate on cytosolic estradiol and progesterone receptor concentrations in secretory endometrium. Aksel S, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1219–23
Synthesis and estrogen receptor affinity of 2,3-diarylindoles. Strohmeier J, et al. **Arch Pharm (Weinheim)** 1987 May; 320(5):407–17
Modulation of estrogen receptor by insulin and its biologic significance. Chaudhuri PK, et al. **Arch Surg** 1986 Nov; 121(11):1322–5
Copper and the estradiol receptor. Fishman JH, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):505–11
Definition of two distinct mechanisms of action of antiestrogens on human breast cancer cell proliferation using hydroxytriphenylethylenes with high affinity for the estrogen receptor. Sutherland RL, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):523–9
Small apomorphine-induced increase in the concentration of cytosol estrogen receptors in female rat hypothalamus and pituitary. Blaustein JD, et al. **Brain Res Bull** 1987 May; 18(5):585–90
Growth of mouse vaginal epithelial cells in culture: functional integrity of the estrogen receptor system and failure of estrogen to induce proliferation. Uchima FD, et al. **Cancer Lett** 1987 Jun;35(3):227–35
Characterization of a cytosolic inhibitor of calf estrogen receptor binding to nuclei. Lerea CC, et al. **Endocrinology** 1987 Sep;121(3):1146–54
Suppression of receptors for prolactin and estrogen in rat liver due to treatment with the growth hormone analogue produced by the tapeworm Spirometra mansonoides. Phares CK, et al. **J Recept Res** 1986;6(5–6):425–46
Effect of the antiprogestin RU-486 on progesterone inhibition of occupied nuclear estrogen receptor in the uterus. Okulicz WC. **J Steroid Biochem** 1987 Aug; 28(2):117–22
Effect of hematoporphyrin derivative on estrogen receptors in the dimethylbenzanthracene-mammary tumor model. Lanzafame RJ, et al. **Lasers Surg Med** 1987;6(6):543–5
Effect of hematoporphyrin derivative 2 on estrogen receptors in experimental mammary tumors. Lanzafame RJ, et al. **Lasers Surg Med** 1987;7(3):280–2
The levo enantiomer of o,p'-DDT inhibits the binding of 17 beta-estradiol to the estrogen receptor. McBlain WA. **Life Sci** 1987 Jan 12;40(2):215–21
Quantitative structure-activity relationship study on hexestrol and metahexestrol derivatives interacting with estrogen receptors. Gupta SP, et al. **Res Commun Chem Pathol Pharmacol** 1987 Mar; 55(3):357–66
Endocrine manipulation of meningiomas with medroxyprogesterone acetate. Effect of MPA on receptor status of meningioma cytosols. Markwalder TM, et al. **Surg Neurol** 1987 Jul;28(1):3–9
Effect of postcoital contraceptive levonorgestrel (Postinor) on endometrial oestradiol binding. Székely J, et al. **Ther Hung** 1985;33(3):148–51
[Effect of gossypol acetic acid (GAA) and 15-methyl PGF2 alpha-methyl ester (PG05) on estrogen receptors of rat uteri] Wang NG, et al. **Yao Hsueh Hsueh Pao** 1987 Feb; 22(2):103–6 (Eng. Abstr.) (Chi)

GENETICS

Structural and functional domains of the estrogen receptor. Green S, et al. **Cold Spring Harbor Symp Quant Biol** 1986; 51 Pt 2:751–8
Localization of the human oestrogen receptor gene to chromosome 6q24——q27 by in situ hybridization. Gosden JR, et al. **Cytogenet Cell Genet** 1986;43(3–4):218–20
Oestradiol induction of a glucocorticoid-responsive gene by a chimaeric receptor. Green S, et al. **Nature** 1987 Jan 1–7; 325(6099):75–8
PvuII RFLP inside the human estrogen receptor gene. Castagnoli A, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):866
Introduction of estrogen-responsiveness into mammalian cell lines. Druege PM, et al. **Nucleic Acids Res** 1986 Dec 9; 14(23):9329–37
Molecular cloning and characterization of rat estrogen receptor cDNA. Koike S, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2499–513

IMMUNOLOGY

Steroid receptor antibodies in autoimmune disorders. Feldman M. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1342–8
Histochemical studies of human breast cancer using a monoclonal antibody against an oestrogen receptor-related antigen. Hawkins RA, et al. **Br J Cancer** 1987 Jun; 55(6):611–6
Human anti-estrogen receptor antibodies: assay, characterization, and age- and sex-related differences. Mudarris A, et al. **J Clin Endocrinol Metab** 1987 Feb; 64(2):246–54
Estrogen receptor immunoreactivity in meningiomas. Comparison with the binding activity of estrogen, progesterone, and androgen receptors. Lesch KP, et al. **J Neurosurg** 1987 Aug;67(2):237–43

ISOLATION & PURIFICATION

Extraction of ER and PgR with molybdate. Chen YM, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):491–6
Characterization of molybdate-stabilized estrogen receptors by hydrophobic interaction HPLC: resolution of two 8S subunits. Madhok TC, et al. **Horm Res** 1987;25(1):29–36

METABOLISM

The ontogeny of the mouse estrogen receptor: the pelvic region. Holderegger C, et al. **Am J Anat** 1986 Oct; 177(2):285–97
Expression of nuclear estrogen-binding sites within developing human fetal vagina and urogenital sinus. Taguchi O, et al. **Am J Anat** 1986 Dec;177(4):473–80
Estradiol binding capacity of breast cancer cell line in correlation with cell cycle. Chua D, et al. **Ann Acad Med Singapore** 1986 Oct;15(4):465–70
Receptor potency estimate: a more reliable indicator of prognosis than estrogen receptor levels. Bowie LJ, et al. **Ann Clin Lab Sci** 1987 Mar–Apr;17(2):93–100
Characterisation of gestodene binding to the oestrogen receptor in human malignant breast tissue. Iqbal MJ, et al. **Anticancer Res** 1987 Jan–Feb;7(1):45–8
A male specific hepatic estrogen binding protein: characteristics and binding properties. Rogerson BJ, et al. **Arch Biochem Biophys** 1986 Oct;250(1):70–85
Oestradiol binding activity in rat liver tumours and in human hepatocellular carcinoma. Alagaratnam TT, et al. **Aust NZ J Surg** 1987 Jul;57(7):477–9
Urea-induced transformation of native estrogen receptor and evidence for separate DNA-and ATP-binding sites. Hutchens TW, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1250–5
Evidence that the lipolytic defect induced by estradiol-treatment in hamster adipocytes is related to an estrogen receptor-mediated defect in the adenylate cyclase catalytic subunit but not in Ns. Pecquery R, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):369–75
Estrogenic effect of phenol red in MCF-7 cells is achieved through activation of estrogen receptor by interacting with a site distinct from the steroid binding site. Rajendran KG, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):724–31
The amino-terminal sequence of the 85-90K nonhormone binding component of the molybdate-stabilized estradiol receptor from calf uterus. Ratajczak T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):218–24
Specific binding of estrogen receptor to sites upstream and within the transcribed region of the chicken ovalbumin gene. Weisz A, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):396–402
Interaction of unsaturated fatty acids with anti-oestrogen-binding sites. Hwang PL. **Biochem J** 1987 Apr 15;243(2):359–64
Unsaturated fatty acids as endogenous inhibitors of tamoxifen binding to anti-oestrogen-binding sites. Hwang PL. **Biochem J** 1986 Aug 1;237(3):749–55
Microsomal binding sites for antioestrogens in rat liver. Properties and detergent solubilization. Watts CK, et al. **Biochem J** 1986 Jun 15;236(3):903–11
Subcellular and extracellular localization of specific binding sites for triphenylethylene antiestrogens in human breast cancer. Gulino A, et al. **Biochem Pharmacol** 1986 Nov 1; 35(21):3863–70
Two high-affinity ligand binding states of uterine estrogen receptor distinguished by modulation of hydrophobic environment. Hutchens TW, et al. **Biochemistry** 1987 Feb 10;26(3):722–7
Structural analysis of covalently labeled estrogen receptors by limited proteolysis and monoclonal antibody reactivity. Katzenellenbogen BS, et al. **Biochemistry** 1987 Apr 21; 26(8):2364–73
The steroid binding domain of porcine estrogen receptor. Koike S, et al. **Biochemistry** 1987 May 5;26(9):2563–8
A 59-kilodalton protein associated with progestin, estrogen, androgen, and glucocorticoid receptors. Tai PK, et al. **Biochemistry** 1986 Sep 9;25(18):5269–75
Activation and immunorecognition by a monoclonal antibody of the tamoxifen-estrogen receptor complex. Giambiagi N, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):559–66
Measurement of estrogen receptors in the ovariectomized ewe is affected by body condition and secondary binding sites. Adams NR, et al. **Biol Reprod** 1986 Nov;35(4):828–32
Gap junction modulation in rat uterus. III. Structure-activity relationships of estrogen receptor-binding ligands on myometrial and serosal cells. Burghardt RC, et al. **Biol Reprod** 1987 Apr;36(3):741–51
Effects of short days on aromatization and accumulation of nuclear estrogen receptors in the hamster brain. Callard GV, et al. **Biol Reprod** 1986 Sep;35(2):282–91
Estrogen and progesterone receptors in the organs of prenatal cynomolgus monkey and laboratory mouse. Hochner-Celnikier D, et al. **Biol Reprod** 1986 Oct; 35(3):633–40
Hormonal regulation of estrogen and progestin receptors in decidual cells. Leavitt WW, et al. **Biol Reprod** 1986 Sep; 35(2):475–84
Differences in oestrogen receptors in malignant and normal breast tissue as identified by the binding of a new synthetic progestogen. Iqbal MJ, et al. **Br J Cancer** 1986 Sep; 54(3):447–52
Recombinant human interferon alpha increases oestrogen receptor expression in human breast cancer cells (ZR-75-1) and sensitizes them to the anti-proliferative effects of tamoxifen. van den Berg HW, et al. **Br J Cancer** 1987 Mar; 55(3):255–7
Activated oestrogen receptor in human breast cancer: clinical and biochemical correlates. White JO, et al. **Br J Surg** 1987 Jul;74(7):588–90
Noradrenergic regulation of cytosol estrogen receptors in female rat hypothalamus: possible role of alpha 2-noradrenergic receptors. Blaustein JD, et al. **Brain Res** 1987 Feb 24;404(1–2):51–7
The alpha 1-noradrenergic antagonist prazosin decreases the concentration of estrogen receptors in female rat hypothalamus. Blaustein JD. **Brain Res** 1987 Feb 24;

404(1–2):39–50
Immunocytochemical localization of estrogen-binding neurons in the songbird brain. Gahr M, et al. **Brain Res** 1987 Jan 27;402(1):173–7
Oestrogen receptor activity in intraduct and invasive breast carcinomas. Hawkins RA, et al. **Breast Cancer Res Treat** 1987;9(2):129–33
Cell kinetics of histologic variants of in situ breast carcinoma. Meyer JS. **Breast Cancer Res Treat** 1986;7(3):171–80
Pathologic findings from the national surgical adjuvant breast project. Correlations with concordant and discordant estrogen and progesterone receptors. Fisher ER, et al. **Cancer** 1987 May 1;59(9):1554–9
Steroid hormone receptors in carcinoma of the cervix. Hunter RE, et al. **Cancer** 1987 Aug 1;60(3):392–6
Tumor hormone receptor status and recurrences in premenopausal node negative breast carcinoma. Moot SK, et al. **Cancer** 1987 Aug 1;60(3):382–5
Peanut lectin binding in breast carcinoma. Lack of correlation with estrogen receptor content. Stanley MW, et al. **Cancer** 1986 Nov 1;58(9):2046–51
Histamine and growth: interaction of antiestrogen binding site ligands with a novel histamine site that may be associated with calcium channels. Brandes LJ, et al. **Cancer Res** 1987 Aug 1;47(15):4025–31
Estrogen receptor binding to nuclei from normal and neoplastic rat mammary tissues in vitro. Klinge CM, et al. **Cancer Res** 1987 Jun 1;47(11):2852–9
[125I]17-alpha-iodovinyl 11-beta-methoxyestradiol interaction in vivo with estrogen receptors in hormone-independent MCF-7 human breast cancer transfected with the v-rasH oncogene. McManaway ME, et al. **Cancer Res** 1987 Jun 1;47(11):2945–9
Regulation of estrogen and progestin receptor concentrations in an experimental rat prostatic carcinoma by estrogen, antiestrogen, and progesterone. Mobbs BG, et al. **Cancer Res** 1987 May 15;47(10):2645–51
Structural alterations and stabilization of rabbit uterine estrogen receptors by natural polyamines. Thomas T, et al. **Cancer Res** 1987 Apr 1;47(7):1799–804
Dihydrotestosterone induces a sexual dimorphism in estrogen uptake by specific anterior pituitary cell types in vivo. Keefer DA, et al. **Cell Tissue Res** 1987 Aug;249(2):477–9
Uptake and retention of 3H-estradiol by gonadotrophs and lactotrophs in the pituitary glands of the guinea pig, hamster and gerbil. Nogami H, et al. **Cell Tissue Res** 1987 Apr;248(1):75–8
Steroid receptors in benign breast disease, gross cystic disease and fibroadenoma. Nardelli GB, et al. **Clin Exp Obstet Gynecol** 1987;14(1):10–5
Estrogen- and progesterone-receptors in meningiomas. Review article. Goffin J. **Clin Neurol Neurosurg** 1986; 88(3):169–75 (51 ref.)
Estimation of oestrogen and progesterone receptors in chronic rhinitis. Wilson JA, et al. **Clin Otolaryngol** 1986 Aug;11(4):213–8
Localisation of the oestradiol-binding and putative DNA-binding domains of the human oestrogen receptor. Kumar V, et al. **EMBO J** 1986 Sep;5(9):2231–6
Estradiol receptor: phosphorylation on tyrosine in uterus and interaction with anti-phosphotyrosine antibody. Migliaccio A, et al. **EMBO J** 1986 Nov;5(11):2867–72
Estrogen receptors in ovary and uterus of immature hamster and rat: effects of estrogens. Kim I, et al. **Endocrinol Jpn** 1987 Feb;34(1):45–53
Estrogen receptors in the nuclear matrix: direct demonstration using monoclonal antireceptor antibody. Alexander RB, et al. **Endocrinology** 1987 May; 120(5):1851–7
Anomalous behavior of protein synthesis inhibitors on the turnover of the estrogen receptor as measured by density labeling. Campen CA, et al. **Endocrinology** 1986 Oct; 119(4):1454–61
Ligand-receptor dissociation: a potential mechanism for the attenuation of estrogen action in the juvenile rabbit uterus. Chilton BS, et al. **Endocrinology** 1987 Feb;120(2):750–7
Ketononestrol aziridine, an agonistic estrogen receptor affinity label: study of its bioactivity and estrogen receptor covalent labeling. Elliston JF, et al. **Endocrinology** 1987 Aug;121(2):667–76
Presence of estrogen receptors in the hen hypothalamus and pituitary. Kawashima M, et al. **Endocrinology** 1987 Feb; 120(2):582–8
Immunocytochemical localization of estrogen receptors in the macaque endometrium during the luteal-follicular transition. McClellan M, et al. **Endocrinology** 1986 Dec; 119(6):2467–75
Prolactin mediation of estrogen-induced changes in mammary tissue estrogen and progesterone receptors. Muldoon TG. **Endocrinology** 1987 Jul;121(1):141–9
Dynamics of estrogen receptor turnover in uterine cells in vitro and in uteri in vivo. Nardulli AM, et al. **Endocrinology** 1986 Nov;119(5):2038–46
Characterization of rabbit uterine estrogen receptor proteins by radioiodination and partial peptide mapping. Olsen MR, et al. **Endocrinology** 1986 Nov;119(5):2177–85
Extensive in situ activation of nuclear estrogen receptors after exposure of murine uteri to [3H]estradiol or [3H]4-hydroxytamoxifen. Pavlik EJ, et al. **Endocrinology** 1987 Apr;120(4):1608–14
A nuclear binding assay to assess the biological activity of steroid receptors in isolated animal and human tissues. Spelsberg TC, et al. **Endocrinology** 1987 Aug;121(2):631–44
Estrogen-linked 2-chloroethylnitrosoureas: anticancer efficacy in MNU-induced rat mammary carcinoma, uterine activity in mice and receptor interactions. Berger MR, et al. **Eur J Cancer Clin Oncol** 1986 Oct;22(10):1179–91
Estrogen receptors and histopathological evaluation of human breast cancer. Sarría JA, et al. **Eur J Gynaecol Oncol** 1987;8(2):81–7
Primary tumor receptorial status and axillary metastases: their prognostic significance. Volterrani P, et al. **Eur J Gynaecol Oncol** 1987;8(2):115–22
Levels of estrogen and progesterone receptor in human endometrium during the menstrual cycle. Barile G, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):243–6
Progress in pancreatic oestrogen receptors. Pettersen A, et al. **Eur J Surg Oncol** 1986 Dec;12(4):321–4
Two types of nuclear oestradiol binding sites in human myometrium and leiomyoma during the menstrual cycle. Környei J, et al. **Exp Clin Endocrinol** 1986 Aug; 87(3):256–64
Oestradiol and testosterone binding sites in mice tibiae and their relationship with bone growth. Lopez A, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):31–8
The biochemical mechanisms of the stimulating action of estradiol on the growth of mammary tumours. Morozova TM, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):293–302
Impaired conversion of rat uterine estradiol receptors during aging. Chuknyiska RS, et al. **Exp Gerontol** 1986; 21(4–5):255–65
Estrogen receptors in hepatocellular carcinoma: is endocrine therapy for hepatocellular carcinoma likely to be effective? Kohigashi K, et al. **Gastroenterol Jpn** 1987 Jun;22(3):322–30
Estrogen cholestasis. Membranes, metabolites, or receptors? Vore M. **Gastroenterology** 1987 Sep;93(3):643–9
Sex steroid receptors in the stomach, liver, pancreas, and gastrointestinal tract of the baboon. Winborn WB, et al. **Gastroenterology** 1987 Jan;92(1):23–32
Identification of an estrogen receptor in the testis of the sea lamprey, Petromyzon marinus. Ho SM, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):119–25
Effect of gonadectomy and exogenous sex hormone administration on the concentrations of hepatic oestrogen receptors and hepatic atypical sex hormone binding protein (HASP) in the rat. Lax ER, et al. **Horm Metab Res** 1986 Dec;18(12):814–7
Localization of estradiol receptors in rat vaginal epithelial cells in vitro. Gupta PD, et al. **Indian J Exp Biol** 1986 Nov;24(11):679–82
Calcium-induced membrane metabolic alterations modify the sex steroids binding into dog brain synaptosomal plasma membranes. Kopeikina-Tsiboukidou L, et al. **Int J Biochem** 1986;18(9):777–84
Androgen, estrogen, and progesterone receptor levels in malignant and benign breast tumors: a multivariate analysis approach. Brentani MM, et al. **Int J Cancer** 1986 Nov 15; 38(5):637–42
Relationship between risk factors for breast cancer and hormonal status. Hislop TG, et al. **Int J Epidemiol** 1986 Dec;15(4):469–76
The synthesis of non-steroidal estrogen receptor binding compounds labeled with 80mBr. Seevers RH, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):483–95
Receptor interconversion model of hormone action. I. ATP-mediated conversion of estrogen receptors from a high to lower affinity state and its relationship to antiestrogen action. McNaught RW, et al. **J Biol Chem** 1986 Dec 25;261(36):17011–7
Receptor interconversion model of hormone action. II. Nucleotide-mediated conversion of estrogen receptors from nonsteroid binding to the lower affinity binding state. Raymoure WJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):17018–25
Transformation of the 8-9 S molybdate-stabilized estrogen receptor from low-affinity to high-affinity state without dissociation into subunits. Redeuilh G, et al. **J Biol Chem** 1987 Apr 25;262(12):5530–5
The binding activity of estrogen receptor to DNA and heat shock protein (Mr 90,000) is dependent on receptor-bound metal. Sabbah M, et al. **J Biol Chem** 1987 Jun 25; 262(18):8631–5
A subpopulation of immunoglobulin G in man selectively interacts with the hormone-binding sites of estrogen receptors. Borkowski A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):356–63
Reproduction in the vervet monkey (Cercopithecus aethiops): endometrial oestrogen and progestin receptor dynamics during normal and prolonged menstrual cycles. Kudolo GB, et al. **J Endocrinol** 1986 Sep;110(3):429–39
Are catechol oestrogens obligatory mediators of oestrogen action in the central nervous system? I. Characterization of pharmacological probes with different receptor binding affinities and catechol oestrogen formation rates. Pfeiffer DG, et al. **J Endocrinol** 1986 Sep;110(3):489–97
Preparation, receptor binding, and fluorescence properties of hexestrol-fluorophore conjugates: evaluation of site of attachment, fluorophore structure, and fluorophore-ligand spacing. Fevig TL, et al. **J Med Chem** 1987 Jan; 30(1):156–65
Synthesis and estrogen receptor binding of 6,7-dihydro-8-phenyl-9-[4-[2-(dimethylamino)ethoxy] phenyl]-5H-benzocycloheptene, a nonisomerizable analogue of tamoxifen. X-ray crystallographic studies. McCague R, et al. **J Med Chem** 1986 Oct;29(10):2053–9
2-Phenylindoles. Effect of N-benzylation on estrogen receptor affinity, estrogenic properties, and mammary tumor inhibiting activity. von Angerer E, et al. **J Med Chem** 1987 Jan;30(1):131–6
Estrogenic affinity labels: synthesis, irreversible receptor binding, and bioactivity of aziridine-substituted hexestrol derivatives. Zablocki JA, et al. **J Med Chem** 1987 May; 30(5):829–38
Steroid receptor status difference in recurrent intracranial meningioma and breast cancer in the same patient. Magdelenat H, et al. **J Neurooncol** 1986;4(2):155–7
Androgen and estrogen receptors in adult zebra finch brain. Siegel LI, et al. **J Neurosci Res** 1986;16(4):617–28
Seasonal changes in oestrogen receptor affinity in the domestic rabbit, Oryctolagus cuniculus. Stern JE, et al. **J Reprod Fertil** 1987 Jan;79(1):15–20
Enhanced inhibition of estrogen receptor nuclear binding in the uterus of aged mice. Belisle S, et al. **J Steroid Biochem** 1987 May;26(5):521–6
Decreased nuclear binding of estrogen receptors in the pituitary of mice: correlation with biological effects throughout aging. Belisle S, et al. **J Steroid Biochem** 1986 Oct;25(4):465–71
Estradiol membrane binding sites on human breast cancer cell lines. Use of a fluorescent estradiol conjugate to demonstrate plasma membrane binding systems. Berthois Y, et al. **J Steroid Biochem** 1986 Dec;25(6):963–72
Effect of zinc and/or pyridoxine deficiency upon oestrogen retention and oestrogen receptor distribution in the rat uterus. Bunce GE, et al. **J Steroid Biochem** 1987 Mar; 26(3):303–8
Triphenylethylene antiestrogen binding sites (TABS) specificity. Clark JH, et al. **J Steroid Biochem** 1987 Apr; 26(4):433–7
Discrete early changes in cellular subpopulations of rat uterine and anterior pituitary estrogen receptors in response to acute exposure to exogenous estradiol. Copland JA, et al. **J Steroid Biochem** 1987 Jun;26(6):723–31
A protease acting on the estrogen receptor may modify its action in the adult rabbit epididymis. Danzo BJ. **J Steroid Biochem** 1986 Oct;25(4):511–9
Further characterization of a steroid receptor-active protease from the mature rabbit epididymis. Hendry WJ 3d, et al. **J Steroid Biochem** 1986 Sep;25(3):433–43
The molecular structure of 16 alpha-iodo-17 beta-estradiol, a high affinity ligand for the estrogen receptor. Hochberg RB, et al. **J Steroid Biochem** 1986 Nov;25(5A):615–8
Occupied and unoccupied type II estrogen binding sites in human breast cancer. Lopes MT, et al. **J Steroid Biochem** 1987 Feb;26(2):219–26
The effects of Mg2+ ions or EDTA on nuclear integrity and apparent subcellular distribution of unoccupied oestrogen receptors in breast cancer cells. Nelson J, et al. **J Steroid Biochem** 1986 Nov;25(5A):619–26
Molybdate and the molecular properties of the vervet monkey estrogen receptor. Potgieter HC, et al. **J Steroid Biochem** 1986 Dec;25(6):951–6
Competitive binding assay for estrogen receptor in monolayer culture: measure of receptor activation potency. Stoessel S, et al. **J Steroid Biochem** 1986 Nov;25(5A):677–82
Studies on the estrogenic activity of a coffee extract. Kitts DD. **J Toxicol Environ Health** 1987;20(1–2):37–49
Risk factors for estrogen receptor-rich and estrogen receptor-poor breast cancers. McTiernan A, et al. **JNCI** 1986 Oct;77(4):849–54
Peroxidase-antiperoxidase staining for estrogen and progesterone in scirrhous type of gastric cancer: possible existence of the estrogen receptor. Uehara Y, et al. **Jpn J Surg** 1986 Jul;16(4):245–9
Calmodulin-stimulated estradiol receptor-tyrosine kinase. Auricchio F, et al. **Methods Enzymol** 1987;139:731–44
Studies on the ligand specificity and potential identity of microsomal antiestrogen-binding sites. Watts CK, et al. **Mol Pharmacol** 1987 May;31(5):541–51
Receptor binding of estradiol and testosterone in female rat pituitary. Peryshkova TA, et al. **Neurosci Behav Physiol** 1987 Mar-Apr;17(2):172–5
Aromatisation of androstenedione by human breast cancer tissue: correlation with hormone receptor activity and possible biologic significance. Bezwoda WR, et al. **Oncology** 1987;44(1):30–3
Males increase serum estrogen and estrogen receptor binding in brain of female voles. Cohen-Parsons M, et al. **Physiol Behav** 1987;39(3):309–14
Nonaromatizable androgens may stimulate a male mouse reproductive behavior by binding estrogen receptors. Nyby JG, et al. **Physiol Behav** 1987;39(2):147–51
Genomic sequencing reveals a positive correlation between the kinetics of strand-specific DNA demethylation of the overlapping estradiol/glucocorticoid-receptor binding sites and the rate of avian vitellogenin mRNA synthesis. Saluz HP, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7167–71
The relative binding affinity of diethylstilbestrol to uterine nuclear estrogen receptor: effect of serum and serum albumin. Okulicz WC, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):478–83
Estrophilin immunoreactivity versus estrogen receptor binding activity in meningiomas: evidence for multiple estrogen binding sites. Lesch KP, et al. **Surg Neurol** 1987 Sep;28(3):181–8
Estrogen and progesterone receptors in meningiomas. Maiuri

F, et al. **Surg Neurol** 1986 Nov;26(5):435–40

Effects of 2,3,7,8–tetrachlorodibenzo–p–dioxin on hepatic and uterine estrogen receptor levels in rats. Romkes M, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):306–14

Determination of androgen, progestin and estrogen receptors with two different assays in renal cell carcinoma. Klötzl G, et al. **Urol Int** 1987;42(2):100–4

[Breast cancer. Development of the concentration of hormonal receptors under cytotoxic chemotherapy] Jouve M, et al. **Bull Cancer (Paris)** 1986;73(3):271–8 (Eng. Abstr.) **(Fre)**

[Immunocytochemical demonstration and morphometric study by image analysis of estrogen receptors in carcinoma of the breast: study of 30 cases] Cohen O, et al. **C R Acad Sci [III]** 1987;304(14):385–8 (Eng. Abstr.) **(Fre)**

[Recognition of the activated form of estrogen receptor bound to estradiol and tamoxifen by a monoclonal antibody] Giambiagi N, et al. **Pathol Biol (Paris)** 1986 Oct; 34(8):937–42 (Eng. Abstr.) **(Fre)**

[Recommendation for uniform definition of an immunoreactive score (IRS) for immunohistochemical estrogen receptor detection (ER–ICA) in breast cancer tissue] Remmele W, et al. **Pathologe** 1987 May;8(3):138–40 **(Ger)**

[Determination of estradiol receptors in the endometrium—a contribution to the diagnosis of functional sterility] Seliger E, et al. **Zentralbl Gynakol** 1987;109(8):493–500 (Eng. Abstr.) **(Ger)**

[Estrogen receptor kinetics in benign and malignant diseases of the breast and their clinical implication] Ebuchi M. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):746–54 (Eng. Abstr.) **(Jpn)**

[Biochemical analysis of estrogen receptor and progesterone receptor in normal uterus and endometrial carcinoma] Saito N. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20; 63(2):87–101 (Eng. Abstr.) **(Jpn)**

[Dynamic changes in estrogen receptor levels in the cell cycle of human endometrial adenocarcinoma studied by flow cytometry] Hirose T. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Dec; 38(12):2231–40 (Eng. Abstr.) **(Jpn)**

[Promotive effect of estrogen on hepatocarcinogenesis in rats: the effect of tamoxifen and changes in estrogen receptors] Kohigashi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1097–102 (Eng. Abstr.) **(Jpn)**

[Estrogen receptor and transfer RNA (tRNA) in women with uterine myoma] Baranowski W. **Ginekol Pol** 1986 Oct; 57(10):662–4 (Eng. Abstr.) **(Pol)**

[Status of the estrogen– and progesterone receptor systems of the endometrium in patients with endometriosis treated with danazol] Adamian LV, et al. **Akush Ginekol (Mosk)** 1987 May;(5):51–3 (Eng. Abstr.) **(Rus)**

[Binding of cytosolic complexes of estradiol analogs with cell nuclei from the rabbit uterus] Cherniaev GA, et al. **Biokhimiia** 1987 Feb;52(2):225–31 (Eng. Abstr.) **(Rus)**

[Receptor binding of estradiol and testosterone in the pituitary of female rats] Peryshkova TA, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):41–4 **(Rus)**

PHYSIOLOGY

Steroid receptors and hormone action in the brain. Blaustein JD. **Ann NY Acad Sci** 1986;474:400–14 (61 ref.)

Progesterone regulation of protein synthesis and steroid receptor levels in decidual cells. Leavitt WW, et al. **Ann NY Acad Sci** 1986;476:136–57

Prognostic importance of progesterone and estrogen receptors in cancer of the uterine cervix. Potish RA, et al. **Cancer** 1986 Oct 15;58(8):1709–13

Steroid receptor–mediated cytotoxicity of an antiestrogen and an antiprogestin in breast cancer cells. Bardon S, et al. **Cancer Res** 1987 Mar 1;47(5):1441–8

Receptor–mediated interrelationships between progesterone and estradiol action on the anterior pituitary–hypothalamic axis of the ovariectomized immature rat. Calderon JJ, et al. **Endocrinology** 1987 Jun;120(6):2428–35

Comparative studies on estrogen receptors between a pregnancy–dependent mouse mammary tumor (TPDMT–4) and related autonomous tumors. Matsuzawa A, et al. **Endocrinology** 1987 Jun;120(6):2346–56

Estrogen receptors and breast cancer. Stanford JL, et al. **Epidemiol Rev** 1986;8:42–59 (160 ref.)

Estrogen binding sites in peripheral blood mononuclear cells and thymocytes from 2 myasthenia gravis patients. Carbone A, et al. **J Clin Lab Immunol** 1986 Oct;21(2):87–91

Increased hyaluronate and collagen biosynthesis and fibroblast estrogen receptors in macaque sex skin. Bentley JP, et al. **J Invest Dermatol** 1986 Nov;87(5):668–73

Hepatic estrogen receptor in the turtle, Chrysemys picta: partial characterization, seasonal changes and pituitary dependence. Riley D, et al. **J Steroid Biochem** 1987 Jan; 26(1):41–7

The prognostic and therapeutic value of steroid hormone receptors in breast cancer. Elias EG. **Md Med J** 1986 Nov; 35(11):949

Role of steroid hormone receptors as prognostic factors in primary breast cancer. McGuire WL, et al. **NCI Monogr** 1986;(1):19–23

[17 beta–estradiol receptors in Schistosoma mansoni. Contribution to the explanation of the protective power of this hormone in Schistosoma mansoni bilharziasis in the mouse. Preliminary study] Barrabes A, et al. **Ann Parasitol Hum Comp** 1986;61(6):637–41 (Eng. Abstr.) **(Fre)**

[Hypothalamic receptors of sex hormones in the mechanism of the sexual differentiation of the brain in rats] Babichev VN, et al. **Zh Evol Biokhim Fiziol** 1987 Mar–Apr; 23(2):216–23 (Eng. Abstr.) **(Rus)**

RECEPTORS, FC

Structure and expression of Fc gamma receptors on mouse suppressor T cell hybridomas. Kulczycki A Jr, et al. **J Immunol** 1986 Oct 1;137(7):2325–30

Structural heterogeneity and functional domains of murine immunoglobulin G Fc receptors. Ravetch JV, et al. **Science** 1986 Nov 7;234(4777):718–25

ANALYSIS

Increase of T cells bearing Fc epsilon R–associated antigen in patients with atopic asthma. Matsumoto T, et al. **Ann Allergy** 1987 Apr;58(4):261–4

Lymphocytes bearing Fc gamma receptors in rheumatoid arthritis. IV. Increased numbers and activation of Facb–R+ cells after immunisation of healthy individuals. Goulding NJ, et al. **Ann Rheum Dis** 1986 Nov; 45(11):925–31

Neutrophil FC–receptor expression in cells of the circulating and marginated pools. Baglin TP, et al. **Br J Haematol** 1987 Apr;65(4):387–9

Correlation of Fc gamma receptors on peripheral blood mononuclear cells and survival in patients with metastatic breast cancer. Ilfeld D, et al. **Breast Cancer Res Treat** 1986; 7(3):181–6

Characterization of immunoglobulin G–Fc receptor activity in the outflow system of the cerebrospinal fluid. Siegelman J, et al. **Cell Tissue Res** 1987 Jun;248(3):599–605

Immunoglobulin E–dependent stimulation of human alveolar macrophages: significance in type 1 hypersensitivity. Fuller RW, et al. **Clin Exp Immunol** 1986 Aug;65(2):416–26

Regulation of IgE synthesis by macrophages expressing FcE–receptors: role of interleukin 1. Mazingue C, et al. **Clin Exp Immunol** 1987 Mar;67(3):587–93

DNP–phycobiliproteins, fluorescent antigens to study dynamic properties of antigen–IgE–receptor complexes on RBL–2H3 rat mast cells. Seagrave JC, et al. **Cytometry** 1987 May;8(3):287–95

Reappearance of immune complex binding sites on macrophages after internalization and its inhibition by monensin. Kiss AL, et al. **Eur J Cell Biol** 1987 Jun; 43(3):322–8

Biochemical characterization of Fc gamma receptors of mouse DCH–5 cell line. Zikan J, et al. **Immunobiology** 1986 Aug;172(1–2):81–91

Normal human serum restores the expression of Fc gamma receptors in immune complex–blocked human mononuclear cells. Geffner JR, et al. **Immunology** 1986 Oct;59(2):239–43

An IgM–producing immunocytoma induces large numbers of splenic T lymphocytes with Fc mu receptors. Uher F, et al. **Immunology** 1987 Jul;61(3):327–32

Human Fc(gamma) receptors for differentiation in throat cultures of group C "Streptococcus equisimilis" and group C "Streptococcus milleri". Lebrun L, et al. **J Clin Microbiol** 1986 Nov;24(5):705–7

Fc epsilon receptor, a specific differentiation marker transiently expressed on mature B cells before isotype switching. Kikutani H, et al. **J Exp Med** 1986 Nov 1; 164(5):1455–69

Regulation of HLA class II antigen expression: intracellular signaling molecules responsible for the regulation by IFN–gamma and cross–linking of Fc receptors in HL–60 cells. Ina Y, et al. **J Immunol** 1987 Sep 1;139(5):1711–7

Simultaneous in situ detection of IgE receptors and cytoplasmic granules in murine cutaneous mast cells. Giorno R, et al. **J Immunol Methods** 1987 May 20; 99(2):163–6

Studies on the human basophil IgE receptor. Generation and characterization of monoclonal antibodies against the receptor. Miroli AA, et al. **J Immunol Methods** 1987 Mar 12;97(2):185–90

A new photometric method for the quantitation of Fc receptors for murine IgG1 on human monocytes and cell lines. Van de Winkel JG, et al. **J Immunol Methods** 1987 Jul 16;101(1):109–18

Demonstration of Fc gamma receptors on human peripheral nerve fibres. Vedeler CA. **J Neuroimmunol** 1987 Jun; 15(2):207–16

Increased T epsilon cells in BALB/c mice with an IgE–secreting hybridoma. Mathur A, et al. **Mol Immunol** 1986 Nov;23(11):1193–201

The use of anti–IgG monoclonal antibodies in mapping the monocyte receptor site on IgG. Partridge LJ, et al. **Mol Immunol** 1986 Dec;23(12):1365–72

Demonstration of the existence of two distinct Fc receptors for IgG isotypes on guinea–pig macrophages by the use of monoclonal antibodies. Shimamura T, et al. **Mol Immunol** 1987 Jan;24(1):67–74

Immune complexes and IgG–Fc receptors on human platelets in essential mixed cryoglobulinemia. Garelli S, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):289–94

Fc and C3 receptor expression on human alveolar macrophages in sarcoidosis. Rottoli L, et al. **Sarcoidosis** 1984 Sep;1(1):55–9

Histamine release from human basophils is induced by IgE–dependent factor(s) derived from human lung macrophages and an Fc epsilon receptor–positive human B cell line. Plaut M, et al. **Trans Assoc Am Physicians** 1985; 98:305–12

Blocking antibodies and T cell subsets in long–term survivors of renal allografts. Shohat B, et al. **Transplantation** 1987 Jul;44(1):34–7

Quantitative studies of Fc receptors on bovine leukemic blood lymphocytes: characterization by binding of homologous IgG1 and IgG2. Dikiniene NP, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):111–20

[Fc–IgG and Fc–IgM receptor–carrying lymphocytes in human blood. Optimization of determining T(M) lymphocytes] Ittenson A, et al. **Allerg Immunol (Leipz)** 1987;33(1):53–62 (Eng. Abstr.) **(Ger)**

[Functional Fc receptor defect of granulocytes in a patient with Sjögren's syndrome] Schopf RE, et al. **Immun Infekt** 1987 Apr;15(2):76–7 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

IgE receptors on human lymphocytes. III. Expression of IgE receptors on mitogen–stimulated human mononuclear cells. Delespesse G, et al. **Eur J Immunol** 1986 Sep;16(9):1043–7

Human recombinant interleukin 4 induces Fc epsilon receptors (CD23) on normal human B lymphocytes. Defrance T, et al. **J Exp Med** 1987 Jun 1;165(6):1459–67

Glucocorticoids enhance the gamma–interferon augmentation of human monocyte immunoglobulin G Fc receptor expression. Girard MT, et al. **J Immunol** 1987 May 15;138(10):3235–41

Murine B–cell stimulatory factor 1 (interleukin 4) increases expression of the Fc receptor for IgE on mouse B cells. Hudak SA, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4606–10

[Limitations of the theophylline test for determining T–suppressors in man] Tsoi IG, et al. **Lab Delo** 1987; (4):281–4 (Eng. Abstr.) **(Rus)**

BLOOD

Soluble circulating Fc gamma receptors in human serum. A new ELISA assay for specific and quantitative detection. Khayat D, et al. **J Immunol Methods** 1987 Jun 26; 100(1–2):235–41

CLASSIFICATION

Regulation of cytolytic activity in CD3– and CD3+ killer cell clones by monoclonal antibodies (anti–CD16, anti–CD2, anti–CD3) depends on subclass specificity of target cell IgG–FcR. van de Griend RJ, et al. **J Immunol** 1987 May 15;138(10):3137–44

DEFICIENCY

[Functional deficiency of the Fc(IgG) receptor of peripheral blood monocytes in uncompensated diabetes mellitus] Gómez Rodríguez F, et al. **Rev Clin Esp** 1986 Nov; 179(7):343–6 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effect of glucocorticosteroids on the expression of Fc epsilon R1 and on mediator release from mast cells. Benhamou M, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct; 137D(2):263–72 (60 ref.)

Effect of neuraminidase on Fc and C3b receptors on rabbit corneal cells infected with herpes simplex virus. Hatano H, et al. **Curr Eye Res** 1987 Jan;6(1):53–7

Effect of rat surfactant lipids on complement and Fc receptors of macrophages. Coonrod JD, et al. **Infect Immun** 1986 Nov;54(2):371–8

Synergism of 3–deazaadenosine with some Fc receptor ligands in the inhibition of antibody–dependent phagocytosis. Medzihradsky JL. **Int J Immunopharmacol** 1987;9(2):227–36

Effect of danazol in immune thrombocytopenic purpura. Schreiber AD, et al. **N Engl J Med** 1987 Feb 26; 316(9):503–8

Effects of ethanol on human monocyte IgG Fc receptors. Mørland B, et al. **Scand J Immunol** 1987 Aug;26(2):187–92

GENETICS

Molecular structure of human lymphocyte receptor for immunoglobulin E. Kikutani H, et al. **Cell** 1986 Dec 5; 47(5):657–65

Cloning and expression of the cDNA coding for a human lymphocyte IgE receptor. Lüdin C, et al. **EMBO J** 1987 Jan;6(1):109–14

The mouse Fc receptor for IgG (Ly–17): molecular cloning and specificity. Hogarth PM, et al. **Immunogenetics** 1987; 26(3):161–8

Cloning and expression of the gene for an immunoglobulin G Fc receptor protein from a group A streptococcus. Heath DG, et al. **Infect Immun** 1987 May;55(5):1233–8

Structural polymorphism of the human monocyte 40 kilodalton Fc receptor for IgG. Anderson CL, et al. **J Immunol** 1987 Apr 1;138(7):2254–6

Studies of the IgE binding sites to rat mast cell receptor with proteolytic fragments and with a monoclonal antibody directed against epsilon heavy chain: evidence that the combining sites are located in the C epsilon 3 domain.

Rousseaux-Prevost R, et al. **Mol Immunol** 1987 Feb; 24(2):187–96

A complementary DNA clone for a macrophage–lymphocyte Fc receptor [published erratum appears in Nature 1986 Dec 18–31;324(6098):702] Lewis VA, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):372–5

Human lymphocyte Fc receptor for IgE: sequence homology of its cloned cDNA with animal lectins. Ikuta K, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):819–23

IMMUNOLOGY

Analysis of antibody to neutrophils associated with autoimmune neutropenia: possible recognition of Fc-receptor-related molecules. Sakaguchi M, et al. **Acta Haematol (Basel)** 1986;75(4):236–40

In vitro effects of gammaglobulin (IgG) on human monocyte Fc receptor function. I. Effect on monocyte membrane-associated IgG and Fc receptor-dependent binding of antibody-coated platelets. Saleh MN, et al. **Am J Hematol** 1986 Nov;23(3):197–207

Fc-receptor function of the mononuclear phagocyte system in glomerulonephritis secondary to some multisystem diseases. Roccatello D, et al. **Am J Nephrol** 1987;7(2):85–92

Fc receptor diversity: the mast cell case. Daëron M, et al. **Ann Inst Pasteur Immunol** 1986 Sep–Oct;137D(2):233–48 (95 ref.)

Regulation of IgA expression by isotype-specific T cells and soluble binding factors. Word CJ, et al. **Annu Rev Microbiol** 1986;40:503–24 (145 ref.)

Evaluation of human blood monocytes in erythrophagocytosis assay with anti-Rh antibodies. Brojer E, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):553–60

Immunomodulatory effect of Listeria monocytogenes infection. III. Expression of Fc receptor and antibody-mediated cytotoxicity in infected mice. Gościcka T, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):489–97

Monocyte Fc receptor function in rheumatoid arthritis. Enhanced cell-binding of IgG induced by rheumatoid factors. MacKinnon SK, et al. **Arthritis Rheum** 1987 May; 30(5):498–506

The capacity of various types of immunoglobulin for intravenous use to interact with Fc receptors of human monocytes and macrophages. Jungi TW, et al. **Blut** 1986 Oct;53(4):321–32

Antibody bipolar bridging: isotype-dependent signals given to guinea pig alveolar macrophages by anti-MHC alloantibodies. Benichou G, et al. **Cell Immunol** 1987 May; 106(2):304–17

Enhancement of human natural killer activity by the monoclonal Leu-11 antibodies. Egawa SE, et al. **Cell Immunol** 1987 Feb;104(2):386–99

Effects of inhibitors of C1q biosynthesis on macrophage Fc receptor subclass-mediated antibody-dependent cellular cytotoxicity and phagocytosis. Mocharla R, et al. **Cell Immunol** 1987 Mar;105(1):127–35

Effects of recombinant human interferon-gamma (Met-Gln form) on expression of Fc receptor and Ia-like antigen on human peripheral monocytes and lymphocytes: a comparative study with natural human interferon-alpha and -beta. Matsumoto S, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):335–43

Mononuclear phagocyte system Fc-receptor function in patients with seropositive rheumatoid arthritis. Lobatto S, et al. **Clin Exp Immunol** 1987 Mar;67(3):461–6

Studies in cobra venom factor treated rats of antibody coated erythrocyte clearance by the spleen: differential influence of red blood cell antigen number on the inhibitory effects of immune complexes on Fc dependent clearance. Yousaf N, et al. **Clin Exp Immunol** 1986 Dec;66(3):654–60

High avidity periventricular IgG-Fc receptor activity in human and rabbit brain. Peress NS, et al. **Clin Immunol Immunopathol** 1987 Feb;42(2):229–38

Interferon-gamma restores T lymphocyte proliferation of nonresponders to IgG1 anti-CD3 via the induction of Fc gamma 1 receptors on monocytes. Benichou G, et al. **Eur J Immunol** 1987 Aug;17(8):1175–81

2.4G2, a monoclonal antibody to macrophage Fc gamma receptors, reacts with murine T cell Fc gamma receptors and IgG-binding factors. Daëron M, et al. **Eur J Immunol** 1986 Dec;16(12):1545–50

Characterization and structural analysis of Fc gamma receptors of human monocytes, a monoblast cell line (U937) and a myeloblast cell line (HL-60) by a monoclonal antibody. Frey J, et al. **Eur J Immunol** 1987 May; 17(5):583–91

Modulation of human monocyte Fc receptor function by surface-adsorbed IgG. Jungi TW, et al. **Immunology** 1987 Feb;60(2):261–8

Inhibitory mechanism of the proliferative responses of resting B cells: feedback regulation by a lymphokine (suppressive B-cell factor) produced by Fc receptor-stimulated B cells. Ohno T, et al. **Immunology** 1987 May;61(1):35–41

Presence of antigenic determinants common to Fc IgE receptors on human macrophages, T and B lymphocytes and IgE-binding factors. Sarfati M, et al. **Immunology** 1986 Dec;59(4):569–75

OKT3-activated locomotion of human blood lymphocytes: a phenomenon requiring contact of T cells with Fc receptor-bearing cells. Wilkinson PC, et al. **Immunology** 1987 Mar;60(3):445–51

The actions of Ca2+ ionophores on rat basophilic (2H3) cells are dependent on cellular ATP and hydrolysis of inositol phospholipids. A comparison with antigen stimulation. Lo TN, et al. **J Biol Chem** 1987 Mar 25; 262(9):4141–5

In vitro studies on the Fc-receptor function of mononuclear phagocytes in rheumatoid arthritis: relation between the Fc-receptor blockade and the concanavalin A-binding capacity of autologous immunoglobulin G. Malaise MG, et al. **J Clin Immunol** 1986 Nov;6(6):442–56

Lymphocyte Fc gamma-receptor blocking antibodies in intravenous gammaglobulin preparations. Cocker JE, et al. **J Clin Lab Immunol** 1987 Feb;22(2):85–90

Elimination of Fc receptor binding of human immunoglobulin G in immunofluorescence assays for herpes simplex virus antibodies. Gallo D. **J Clin Microbiol** 1986 Oct;24(4):672–4

Induction of calcium flux and enhancement of cytolytic activity in natural killer cells by cross-linking of the sheep erythrocyte binding protein (CD2) and the Fc-receptor (CD16). Anasetti C, et al. **J Immunol** 1987 Sep 15; 139(6):1772–9

Monoclonal antibodies specific to the alpha-subunit of the mast cell's Fc epsilon R block IgE binding and trigger histamine release. Baniyash M, et al. **J Immunol** 1987 May 1;138(9):2999–3004

Production and characterization of a monoclonal antibody specific for the human lymphocyte low affinity receptor for IgE: CD 23 is a low affinity receptor for IgE. Bonnefoy JY, et al. **J Immunol** 1987 May 1;138(9):2970–8

Apparent sensitivity of human K lymphocytes to the spatial orientation and organization of target cell-bound antibodies as measured by the efficiency of antibody-dependent cellular cytotoxicity (ADCC). Christiaansen JE, et al. **J Immunol** 1987 Apr 1;138(7):2236–43

Human monocyte-mediated cytotoxicity: the use of Ig-bearing hybridomas as target cells to detect trigger molecules on the monocyte cell surface. Graziano RF, et al. **J Immunol** 1987 Feb 1;138(3):945–50

Monoclonal antibody specific for T cell-derived human IgE binding factors. Kisaki T, et al. **J Immunol** 1987 May 15; 138(10):3345–51

Identification of monoclonal antibodies specific for the T cell receptor complex by Fc receptor-mediated CTL lysis. Leo O, et al. **J Immunol** 1986 Dec 15;137(12):3874–80

Characterization of a monoclonal antibody directed against the murine B lymphocyte receptor for IgE. Rao M, et al. **J Immunol** 1987 Mar 15;138(6):1845–51

Human Fc gamma receptors: stable inter-donor variation in quantitative expression on platelets correlates with functional responses. Rosenfeld SI, et al. **J Immunol** 1987 May 1;138(9):2869–73

Heteroantibody-mediated cytotoxicity: antibody to the high affinity Fc receptor for IgG mediates cytotoxicity by human monocytes that is enhanced by interferon-gamma and is not blocked by human IgG. Shen L, et al. **J Immunol** 1986 Dec 1;137(11):3378–82

Cooperativity between B lymphocyte membrane molecules: independent ligand occupancy and cross-linking of antigen receptors and Fc gamma receptors down-regulates B lymphocyte function. Uher F, et al. **J Immunol** 1986 Nov 15;137(10):3124–9

Monoclonal opsonic mouse antibodies specific for streptococcal IgG Fc-receptor. Svensson M, et al. **J Med Microbiol** 1986 Nov;22(3):251–6

Reticuloendothelial system Fc receptor function in the drug induced lupus erythematosus syndrome. Fields TR, et al. **J Rheumatol** 1986 Aug;13(4):726–31

Enhanced Fc receptor function of monocytes from patients with clinically active systemic lupus erythematosus: binding and degradation of soluble immune complexes in vitro. Kabashima T, et al. **Jpn J Med** 1986 Aug;25(3):263–9

Functional Fc-receptor defect of polymorphonuclear leukocytes in a patient with Sjögren's syndrome. Schopf RE, et al. **Klin Wochenschr** 1987 Apr 1;65(7):342–4

Donor-specific transfusion and antibody response [letter] McMillan MA, et al. **Lancet** 1987 Mar 28;1(8535):744–5

Cross-linking of IgE-receptor complexes at the cell surface: a fluorescence method for studying the binding of monovalent and bivalent haptens to IgE. Erickson J, et al. **Mol Immunol** 1986 Jul;23(7):769–81

The effect of Fc receptor modulation on human monocyte function. Mannhalter JW, et al. **Mol Immunol** 1986 Nov; 23(11):1225–9

Comparison of type III Fc receptors associated with group C and group G streptococci. von Mering GO, et al. **Mol Immunol** 1986 Aug;23(8):811–21

Anti-Fc-receptor therapy of refractory immune thrombocytopenic purpura [letter] Mitchell SR, et al. **N Engl J Med** 1986 Nov 6;315(19):1230–1

A study of GRM1 monoclonal antibody that reacts with natural killer cells and granulocytes. Ruiz-Cabello F, et al. **Nat Immun Cell Growth Regul** 1987;6(2):99–108

B-cell-stimulatory factor 1 reverses Fc receptor-mediated inhibition of B-lymphocyte activation. O'Garra A, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6254–8

Rheumatoid factors are anti-idiotypic antibodies against virus-induced anti-Fc receptor antibodies. A hypothesis for the induction of some rheumatoid factors. Mouritsen S. **Scand J Immunol** 1986 Nov;24(5):485–90

Anti-T3 induced cytotoxicity: the role of target cell Fc-receptors in the lysis of autologous monocytes and the Fc-independent lysis of T3-positive target cells. Leeuwenberg JF, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):428–31

Correlation between high-molecular-weight Fc gamma-receptor-blocking factors in serum and renal allograft survival. Forwell MA, et al. **Transplantation** 1987 Aug;44(2):227–33

[Determination of immune complex levels using the Fc receptor of bovine spermatozoa] Kurata Y, et al. **Rinsho Byori** 1986 Oct;Spec No 69:70–6 **(Jpn)**

[Determination of immune complex levels using the Fc receptor of guinea pig peritoneal cells] Ota Z, et al. **Rinsho Byori** 1986 Oct;Spec No 69:60–9 (27 ref.) **(Jpn)**

ISOLATION & PURIFICATION

The receptor for immunoglobulin E as a membrane protein. Metzger H, et al. **Biochem Soc Symp** 1986;51:59–67

Isolation and partial characterization of biologically active Fc receptor of chicken red cells. Manghi MA, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):381–8

Evidence that a 210,000-molecular-weight glycoprotein (GP 210) serves as a platelet Fc receptor. Stricker RB, et al. **J Clin Invest** 1987 Jun;79(6):1589–94

A microassay for studies of the interaction between Fc receptors and low affinity ligands. Kepron MR, et al. **J Immunol Methods** 1987 Apr 16;98(2):209–17

Isolation and characterization of type IIa and type IIb Fc receptors from a group A streptococcus. Yarnall M, et al. **Scand J Immunol** 1986 Nov;24(5):549–57

METABOLISM

Absence of host-cell influence on binding specificity of herpes simplex virus type 1 induced Fc receptor. Johansson PJ, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun;95(3):113–6

The effects of substance P on human eosinophil receptors and functions. De Simone C, et al. **Ann NY Acad Sci** 1987; 496:226–32

Rotational diffusion on cell surfaces: contrasting effect of temperature on epidermal growth factor and Fc (immunoglobulin E) receptors. Jovin TM. **Biochem Soc Trans** 1986 Oct;14(5):817–8

Further characterization of the subunits of the receptor with high affinity for immunoglobulin E. Alcaraz G, et al. **Biochemistry** 1987 May 5;26(9):2569–75

Biochemical signal transmitted by Fc receptor for immunoglobulin G2a of a murine macrophage-like cell line, P388D1: mode of activation of adenylate cyclase mediated by immunoglobulin G2a binding proteins. Fernandez-Botran R, et al. **Biochemistry** 1986 Jul 29; 25(15):4388–97

Consequences of ligand bivalency in interactions involving particulate receptors: equilibrium and kinetic studies with Sephadex-concanavalin A, butylagarose-phosphorylase b, and Fc receptor-IgG dimer interactions as model systems. Hogg PJ, et al. **Biochemistry** 1987 Apr 7;26(7):1867–73

Phospholipid distribution in the microenvironment of the immunoglobulin E-receptor from rat basophilic leukemia cell membrane. Rivnay B, et al. **Biochemistry** 1986 Sep 23;25(19):5686–93

Rotational dynamics of the Fc receptor for immunoglobulin E on histamine-releasing rat basophilic leukemia cells. Zidovetzki R, et al. **Biochemistry** 1986 Jul 29; 25(15):4397–401

Homosexual men with thrombocytopenia have impaired reticuloendothelial system Fc receptor-specific clearance. Bender BS, et al. **Blood** 1987 Aug;70(2):392–5

Induction of Fc receptors for IgA on murine T cell hybridoma by human monoclonal IgA and by high molecular weight IgA in IgA nephropathy. Chevailler A, et al. **Clin Exp Immunol** 1987 Jan;67(1):114–23

Simultaneous expression of multiple immune complex receptors on murine thymocytes and spleen cells. Walia AS, et al. **Clin Immunol Immunopathol** 1986 Dec; 41(3):368–78

Search for Fc and C3b receptors on black-eyed RCS rat RPE cells. Eckhert CD, et al. **Curr Eye Res** 1986 Dec; 5(12):911–7

Impairment of monocyte "lectin-like" receptor activity in type 1 (insulin-dependent) diabetic patients. Glass EJ, et al. **Diabetologia** 1987 Apr;30(4):228–31

Inhibition of binding of rat IgE to rat mast cells by synthetic IgE peptides. Burt DS, et al. **Eur J Immunol** 1987 Mar; 17(3):437–40

Mycoplasma-induced degradation of IgE bound by Fc epsilon receptors of rat basophilic leukemia cells. Chan BM, et al. **Eur J Immunol** 1987 May;17(5):637–42

Effects of mycoplasma infection on Fc receptors for IgE of rat basophilic leukemia cells. Chan BM, et al. **Eur J Immunol** 1986 Nov;16(11):1319–24

Expression of the Fc gamma receptor on Ly-1+ B lymphocytes. Dexter CM, et al. **Eur J Immunol** 1987 Jun; 17(6):867–71

The effect of recombinant interferon-gamma on human monocyte-derived macrophages. Jungi TW, et al. **Eur J Immunol** 1987 May;17(5):735–8

Cyclophosphamide augments ADCC by increasing the expression of Fc-receptors. Palermo MS, et al. **Immunol Lett** 1987 May;15(1):83–7

Binding properties and histamine release in variants of rat basophilic leukemia cells with changes in the IgE receptor.

Stracke ML, et al. **Immunol Lett** 1987 Apr;14(4):287–92
Spontaneous release of Fc gamma receptors from normal human peripheral blood lymphocytes in vitro. McGuire J, et al. **Immunology** 1987 Mar;60(3):403–8
Effect of glycoprotein-processing inhibitors on the mouse IgE binding capacity of rat basophilic leukemia cells. Gavériaux C, et al. **Int Arch Allergy Appl Immunol** 1987; 84(1):85–92
Human eosinophils and parasitic diseases—III. Beta-interferon increases eosinophil IgG-Fc receptor expression and capacity. De Simone C, et al. **Int J Immunopharmacol** 1986;8(5):479–85
The kinetics of phosphoinositide hydrolysis in rat basophilic leukemia (RBL-2H3) cells varies with the type of IgE receptor cross-linking agent used. Cunha-Melo JR, et al. **J Biol Chem** 1987 Aug 25;262(24):11455–63
Binding of subclasses of rat immunoglobulin G to detergent-isolated Fc receptor from neonatal rat intestine. Hobbs SM, et al. **J Biol Chem** 1987 Jun 15;262(17):8041–6
Human large granular lymphocytes express high affinity receptors for murine monoclonal antibodies of the IgG3 subclass. Anasetti C, et al. **J Immunol** 1987 May 1; 138(9):2979–81
Lipopolysaccharide and interleukin 1 inhibit interferon-gamma-induced Fc receptor expression on human monocytes. Arend WP, et al. **J Immunol** 1987 Sep 15;139(6):1873–9
B cell stimulatory factor-1 (interleukin 4) activates macrophages for increased tumoricidal activity and expression of Ia antigens. Crawford RM, et al. **J Immunol** 1987 Jul 1;139(1):135–41
The interaction of monomeric and complexed mouse monoclonal IgG with rat basophilic leukemia cells: a subset of IgG molecules can bind to RBL cell Fc receptors for IgG. Hall TJ, et al. **J Immunol** 1986 Oct 1;137(7):2331–8
The murine lymphocyte receptor for IgE. V. Biosynthesis, transport, and maturation of the B cell Fc epsilon receptor. Keegan AD, et al. **J Immunol** 1987 Aug 15;139(4):1199–205
Relationship between human IgE-binding factors (IgE-BF) and lymphocyte receptors for IgE. Nakajima T, et al. **J Immunol** 1987 Aug 1;139(3):848–54
T15 group A streptococcal Fc receptor binds to the same location on IgG as staphylococcal protein A and IgG rheumatoid factors. Nardella FA, et al. **J Immunol** 1987 Feb 1;138(3):922–6
The valence for ligand of the human mononuclear phagocyte 72 kD high-affinity IgG Fc receptor is one. O'Grady JH, et al. **J Immunol** 1986 Oct 1;137(7):2307–10
Arachidonic acid acts as an intracellular activator of NADPH-oxidase in Fc gamma receptor-mediated superoxide generation in macrophages. Sakata A, et al. **J Immunol** 1987 Jun 15;138(12):4353–9
Aggregated C-reactive protein binds to human polymorphonuclear leukocytes and potentiates Fc receptor-mediated chemiluminescence. Zeller JM, et al. **J Lab Clin Med** 1986 Dec;108(6):567–76
Binding characteristics and isotype specificity of Fc receptors on K cells. Gergely J, et al. **Mol Immunol** 1986 Nov; 23(11):1203–9
Cross-linking of IgE-receptor complexes at the cell surface: synthesis and characterization of a long bivalent hapten that is capable of triggering mast cells and rat basophilic leukemia cells. Kane P, et al. **Mol Immunol** 1986 Jul; 23(7):783–90
Bovine IgG can aggregate at conditions simulating pasteurization and binds to some human Fc gamma receptors. Kulczycki A Jr. **Mol Immunol** 1987 Mar; 24(3):259–66
The receptor for immunoglobulin E: examination for kinase activity and as a substrate for kinases. Quarto R, et al. **Mol Immunol** 1986 Nov;23(11):1215–23
Biological properties of a recombinant human immunoglobulin epsilon-chain fragment. Ishizaka T, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8323–7
Identification of Fc and F(ab')2 IgG receptors on human platelets. Vancura S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3575–9
Increased monocyte Fc-dependent chemiluminescence in renal transplant patients. Rush DN, et al. **Transplantation** 1987 Jun;43(6):874–8

PHYSIOLOGY

Impaired basophil histamine release from allergic patients. Stahl Skov P, et al. **Agents Actions** 1987 Apr;20(3-4):303–6
Platelet IgG Fc receptor. Kelton JG, et al. **Am J Hematol** 1987 Jul;25(3):299–310
Human and primate malarial sera inhibit Fc receptor-mediated phagocytosis. Shear HL, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):234–9
Inhibition of lacteal leukocyte phagocytosis by colostrum, nonlactating secretion, and mastitic milk. Targowski SP, et al. **Am J Vet Res** 1986 Sep;47(9):1940–5
Receptor-mediated O2- release by alveolar macrophages and peripheral blood monocytes from smokers and nonsmokers. Priming and triggering effects of monomeric IgG, concanavalin A, N-formyl-methionyl-leucyl-phenylalanine, phorbol myristate acetate, and cytochalasin D. Nakashima H, et al. **Am Rev Respir Dis** 1987 Aug;136(2):310–5
The diacylglycerol kinase inhibitor, R59022, enhances the superoxide generation from human neutrophils induced by stimulation of fMet-Leu-Phe, IgG and C3b receptors. Muid RE, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):630–7
Regulatory role of FcR+ and FcR- monocyte subsets in Mycobacterium leprae-induced lymphoproliferative response in vitro. Ohkawa S, et al. **Clin Exp Immunol** 1987 Jan;67(1):43–50
Eosinophils of human colonic mucosa: C3b and Fc gamma receptor expression and phagocytic capabilities. Beeken WL, et al. **Clin Immunol Immunopathol** 1987 Jun; 43(3):289–300
The spontaneous ability of normal human IgG to inhibit the Fc receptors of normal human monocytes is related to their binding capacity to lectins. Malaise MG, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):1–16
Gammaglobulin for intravenous use induces an Fc gamma receptor-specific decrement in phagocytosis by blood monocytes. Salmon JE, et al. **Clin Immunol Immunopathol** 1987 Apr;43(1):23–33
Expression of Fc epsilon receptors on activated human T lymphocytes. Prinz JC, et al. **Eur J Immunol** 1987 Jun; 17(6):757–61
Degranulation of in vitro differentiated mast cells stimulated by two monoclonal IgE specificities. Rofolovitch M, et al. **Eur J Immunol** 1987 Mar;17(3):385–92
Platelets as effectors in immune and hypersensitivity reactions. Capron A, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):307–12 (47 ref.)
Synthesis and regulation of the IgE receptor on B lymphocyte cell lines. Conrad DH, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):402–4
Restoration of Fc receptor-mediated desensitization of superoxide generation in human PMN by PMA. Yagawa K, et al. **Int J Immunopharmacol** 1987;9(4):497–501
Membrane-bound IgE receptor complexes fused with rat basophilic leukemia cells mediate degranulation. Estes K, et al. **J Cell Biol** 1987 Aug;105(2):747–53
The effect of clindamycin on macrophage and monocyte Fc receptors. Oliver AM, et al. **J Clin Lab Immunol** 1986 Aug; 20(4):167–70
Modulation of FcR function by complement: subcomponent C1q enhances the phagocytosis of IgG-opsonized targets by human monocytes and culture-derived macrophages. Bobak DA, et al. **J Immunol** 1987 Feb 15;138(4):1150–6
The murine lymphocyte receptor for IgE. IV. The mechanism of ligand-specific receptor upregulation on B cells. Lee WT, et al. **J Immunol** 1987 Aug 15;139(4):1191–8
IgE receptor-mediated depolarization of rat basophilic leukemia cells measured with the fluorescent probe bis-oxonol. Mohr FC, et al. **J Immunol** 1987 Mar 1; 138(5):1564–70
Immune interferon enhances functional properties of human granulocytes: role of Fc receptors and effect of lymphotoxin, tumor necrosis factor, and granulocyte-macrophage colony-stimulating factor. Perussia B, et al. **J Immunol** 1987 Feb 1;138(3):765–74
Polymorphonuclear leukocyte function triggered through the high affinity Fc receptor for monomeric IgG. Shen L, et al. **J Immunol** 1987 Jul 15;139(2):534–8
The B lymphocyte calcium response to anti-Ig is diminished by membrane immunoglobulin cross-linkage to the Fc gamma receptor. Wilson HA, et al. **J Immunol** 1987 Mar 15;138(6):1712–8
A B cell-specific differentiation antigen, CD23, is a receptor for IgE (Fc epsilon R) on lymphocytes. Yukawa K, et al. **J Immunol** 1987 Apr 15;138(8):2576–80
Differences in Fc receptor expression between small and large guinea pig monocytes. Noga SJ, et al. **J Leukocyte Biol** 1986 Dec;40(6):737–46
Receptor-mediated ingestion responses by lung macrophages from a canine model of ARDS. Tabor DR, et al. **J Leukocyte Biol** 1987 Jun;41(6):539–43
Reticuloendothelial system Fc receptor function in systemic lupus erythematosus: effect of decreased sensitization on clearance of autologous erythrocytes. Kabbash L, et al. **J Rheumatol** 1987 Jun;14(3):487–9
Differentiation of myeloid leukemic cells in vitro demonstrated by microcalorimetry: stimulation of leukemic and remission cells by IgG-binding Fc receptors. Fäldt R, et al. **Leuk Res** 1986;10(9):1147–50
Quantitative and functional analysis of IgG Fc receptor molecules in polymorphonuclear leukocytes and monocyte macrophages in patients with essential mixed cryoglobulinaemia. Roccatello D, et al. **Nephron** 1987; 45(3):186–91
Fc and C3b receptor expression of phagocytes in poorly controlled diabetic patients. Lee CF, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct;10(4):236–44
Reticuloendothelial system Fc-receptor function in patients with immune thrombocytopenia after treatment with high dose intravenous immunoglobulin. Budde U, et al. **Scand J Haematol** 1986 Aug;37(2):125–9
The role of the Fc receptor in T-cell activation. Hammerling U, et al. **Scand J Immunol** 1986 Dec;24(6):621–4
[Significance of Fc receptors for IgG] Hückel C, et al. **Allerg Immunol (Leipz)** 1987;33(1):15–20 (Eng. Abstr.) **(Ger)**
[Function of the monocyte Fc(IgG) receptor in uremic patients under periodic hemodialysis] Ruiz Alcantarilla P, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):228–31 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Effect of ionizing radiation on the content of receptors to Fc-fragments of immunoglobulins in peritoneal macrophages of mice. Klemparskaya NN, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):203–7

RECEPTORS, FSH

ANALYSIS

Testicular follicle stimulating hormone receptors and effectiveness of human menopausal gonadotrophin-human chorionic gonadotrophin treatment in infertile men. Namiki M, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):495–500
Specific binding sites for gonadotrophin-releasing hormone, LH/chorionic gonadotrophin, low-density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. II: Concentrations throughout the luteal phase of the menstrual cycle and early pregnancy. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):317–27
Radioreceptor and autoradiographic analysis of FSH, hCG and prolactin binding sites in primary to antral hamster follicles during the periovulatory period. Roy SK, et al. **J Reprod Fertil** 1987 Jan;79(1):307–13

ISOLATION & PURIFICATION

Solubilization of functional and stable follitropin receptors from light membranes of bovine calf testis. Dattatreyamurty B, et al. **J Biol Chem** 1986 Oct 5; 261(28):13104–13

METABOLISM

Studies on low molecular weight follicle stimulating hormone receptor binding inhibitor (FSH-RBI) from ovine testis. Kalla NR, et al. **Andrologia** 1987 May-Jun;19(3):369–77
Photoperiod, follicle-stimulating hormone receptors, and testicular function in vizcacha (Lagostomus maximus maximus). Calvo JC, et al. **Biol Reprod** 1986 Nov; 35(4):822–7
Cationic modulation of follicle-stimulating hormone binding to granulosa cell receptor. Ford KA, et al. **Biol Reprod** 1987 Apr;36(3):643–50
Modulation of testicular receptors for LH, FSH and prolactin by the administration of ovine prolactin in mature rat. Ota H, et al. **Endocrinol Jpn** 1986 Aug;33(4):469–77
Transglutaminase activity in bovine calf testicular membranes: evidence for a possible role in the interaction of follicle-stimulating hormone with its receptor. Grasso P, et al. **Endocrinology** 1987 Aug;121(2):459–65
Porcine follicular fluid contains both follicle-stimulating hormone agonist and antagonist activities. Sluss PM, et al. **Endocrinology** 1987 Apr;120(4):1477–81
Induced hyperprolactinaemia does not alter FSH binding or ABP secretion in the rat testis. Guevara-Aguirre J, et al. **Int J Androl** 1986 Oct;9(5):381–92
Physical and functional association of follitropin receptors with cholera toxin-sensitive guanine nucleotide-binding protein. Dattatreyamurty B, et al. **J Biol Chem** 1987 Aug 25;262(24):11737–45
Androgen binding protein levels and FSH binding to testicular membranes in vitamin A deficient rats and during subsequent replenishment with vitamin A. Unni E, et al. **J Steroid Biochem** 1986 Oct;25(4):579–83
Gonadotropin binding sites in human ovarian follicles and corpora lutea during the menstrual cycle. Shima K, et al. **Obstet Gynecol** 1987 May;69(5):800–6
Effects of cycloheximide during the periovulatory period on ovarian follicular FSH, hCG, and prolactin receptors and on follicular maturation in the hamster. Wang SC, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):55–61
Binding, overlap and internalization of colloidal-gold-labeled gonadotropin and thyrotropin in testicle and ovary cell cultures. Gruszczynska M, et al. **Z Mikrosk Anat Forsch** 1987;101(2):281–7

PHYSIOLOGY

Epidermal growth factor enhances [125I]iodo-follicle-stimulating hormone binding by cultured porcine granulosa cells. May JV, et al. **Endocrinology** 1987 Jun;120(6):2413–20

RECEPTORS, GABA-BENZODIAZEPINE

ANALYSIS

'High-affinity' peripheral-type benzodiazepine-binding sites. Williams DC, et al. **Biochem Soc Trans** 1987 Apr;15(2):220
Benzodiazepine receptors in the human cerebellar cortex: a quantitative autoradiographic and pharmacological study demonstrating the predominance of type I receptors. Faull RL, et al. **Brain Res** 1987 May 19;411(2):379–85
GABAergic synapses and benzodiazepine receptors are not identically distributed in the primate retina. Mariani AP, et al. **Brain Res** 1987 Jul 7;415(1):153–7
"Peripheral" benzodiazepine binding sites in the Maudsley reactive rat: selective decrease confined to peripheral tissues. Drugan RC, et al. **Brain Res Bull** 1987 Jan; 18(1):143–5
Immunocytochemical localization of the GABAA receptor

in the rat brain. Vitorica J, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):451–3

Axonal GABA receptors are selectively present on normal and regenerated sensory fibers in rat peripheral nerve. Bhisitkul RB, et al. **Exp Brain Res** 1987;66(3):659–63

On the probable absence of GABA receptors on the terminations of motor axon collaterals in the cat spinal cord. Curtis DR, et al. **Exp Brain Res** 1986;64(1):114–8

GABA and benzodiazepine receptors in the gerbil brain after transient ischemia: demonstration by quantitative receptor autoradiography. Onodera H, et al. **J Cereb Blood Flow Metab** 1987 Feb;7(1):82–8

Visualization of specific binding sites of benzodiazepine in human brain. Shinotoh H, et al. **J Nucl Med** 1986 Oct; 27(10):1593–9

Preservation of "peripheral" benzodiazepine receptors: differential effects of freezing on [3H]Ro 5–4864 and [3H]PK 11195 binding. Basile AS, et al. **J Pharmacol Methods** 1987 Apr;17(2):149–56

Methodology for benzodiazepine receptor binding assays at physiological temperature. Rapid change in equilibrium with falling temperature. Dawson RM. **J Pharmacol Methods** 1986 Dec;16(4):349–54

Structure and location of a GABA–A receptor complex in the central nervous system. Möhler H, et al. **J Recept Res** 1987;7(1–4):617–28

[3H]muscimol binding sites increased in autopsied brains of chronic schizophrenics. Hanada S, et al. **Life Sci** 1987 Jan 19;40(3):259–66

Autoradiographic localization of subcomponents of the macromolecular GABA receptor complex. McCabe RT, et al. **Life Sci** 1986 Nov 24;39(21):1937–45

Correlation between the enhancement of flunitrazepam binding by GABA and seizure susceptibility in mice. Marley RJ, et al. **Life Sci** 1987 Jun 8;40(23):2215–24

Classification of inhibitory amino acid receptors in the mammalian nervous system. Simmonds MA. **Med Biol** 1986;64(6):301–11 (96 ref.)

Photoaffinity labeling of peripheral-type benzodiazepine-binding sites. Doble A, et al. **Mol Pharmacol** 1987 Jan;31(1):42–9

The distribution of GABA and glycine response in the mouse brain using Xenopus oocytes. Asanuma A, et al. **Neurosci Lett** 1987 Apr 23;76(1):87–90

Perinatal diazepam exposure: behavioral and neurochemical consequences. Lauer JA, et al. **Neurotoxicol Teratol** 1987 May–Jun;9(3):213–9

DRUG EFFECTS

Interactions of angiotensin II and GABA-ergic agents at the threshold of convulsive reactions. Georgiev VP, et al. **Acta Physiol Pharmacol Bulg** 1986;12(2):14–20

The dopamine-gamma aminobutyric acid interaction in the striatum of the rat is differently regulated by dopamine D–1 and D–2 types of receptor: evidence obtained with rotational behavioural experiments. Herrera-Marschitz M, et al. **Acta Physiol Scand** 1987 Mar;129(3):371–80

Participation of GABA B binding sites on brain control of pituitary secretion: effect of baclofen. Lux VA, et al. **Adv Biochem Psychopharmacol** 1986;42:145–53

Neurobehavioral, neuroendocrine and neurochemical effects of zinc supplementation in rats. Baraldi M, et al. **Adv Exp Med Biol** 1986;203:571–85

GABA receptor agonists and extrapyramidal motor function: therapeutic implications for Parkinson's disease. Bartholini G, et al. **Adv Neurol** 1987;45:79–83

Effect of peripheral benzodiazepine receptor agonist (RO 5–4864) on inotropism in isolated rat atria. Castillo-Ferrando JR, et al. **Arch Farmacol Toxicol** 1986 Aug–Dec;12(2–3):125–8

Involvement of central type benzodiazepine and GABAA receptor in the protective effect of benzodiazepines in stress-induced gastric ulcers in rats. Kunchandy J, et al. **Arch Int Pharmacodyn Ther** 1987 Jan;285(1):129–36

Anticatatonic effect of clonidine: its interaction with dopaminergic, anticholinergic and GABA-ergic drugs. Shukla VK, et al. **Arch Int Pharmacodyn Ther** 1986 Jul; 282(1):33–43

Stimulation of receptors of gamma-aminobutyric acid modulates the release of cholecystokinin-like immunoreactivity from slices of rat neostriatum. Conzelmann U, et al. **Br J Pharmacol** 1986 Dec; 89(4):845–52

Modulation of GABAA receptor activity by alphaxalone. Cottrell GA, et al. **Br J Pharmacol** 1987 Mar;90(3):491–500

Electrophysiological study of SR 42641, a novel aminopyridazine derivative of GABA: antagonist properties and receptor selectivity of GABAA versus GABAB responses. Desarmenien M, et al. **Br J Pharmacol** 1987 Feb;90(2):287–98

Regulation of central and peripheral benzodiazepine receptors in progesterone-treated rats. Gavish M, et al. **Brain Res** 1987 Apr 21;409(2):386–90

Phaclofen: a peripheral and central baclofen antagonist. Kerr DI, et al. **Brain Res** 1987 Mar 3;405(1):150–4

Responses to GABA by isolated insect neuronal somata: pharmacology and modulation by a benzodiazepine and a barbiturate. Lees G, et al. **Brain Res** 1987 Jan 20; 401(2):267–78

Pregnenolone-sulfate: an endogenous antagonist of the gamma-aminobutyric acid receptor complex in brain? Majewska MD, et al. **Brain Res** 1987 Feb 24; 404(1–2):355–60

Ro 15–1788 suppresses the development of kindling through the benzodiazepine receptor. Morin AM. **Brain Res** 1986 Nov 12;397(2):259–64

GABAA receptor blockers reverse the inhibitory effect of GABA on brain-specific [35S]TBPS binding. Squires RF, et al. **Brain Res** 1987 Jun 30;414(2):357–64

GABA receptors induced in Xenopus oocytes by chick brain mRNA: evaluation of TBPS as a use-dependent channel-blocker. Van Renterghem C, et al. **Brain Res** 1987 Apr;388(1):21–31

The role of gamma-aminobutyric acid mechanisms of the zona incerta-lateral hypothalamus in the catalepsy and muscle rigidity evoked by morphine. Wardas J, et al. **Brain Res** 1987 Apr 7;408(1–2):363–6

Beta-carbolines characterized as benzodiazepine receptor agonists and inverse agonists produce bi-directional changes in palatable food consumption. Cooper SJ. **Brain Res Bull** 1986 Nov;17(5):627–37 (97 ref.)

Blockade of a putative GABA-mediated neurotransmission in the cerebellum by benzodiazepine receptor inverse agonists. Gardner CR. **Comp Biochem Physiol [C]** 1986; 85(1):225–32

Pharmacology of GABA receptors on skeletal muscle fibres of the locust (Schistocerca gregaria). Scott RH, et al. **Comp Biochem Physiol [C]** 1987;86(2):305–11

The effects of prenatal chlordiazepoxide administration on avoidance behavior and benzodiazepine receptor density in adult albino rats. Avnimelech-Gigus N, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):185–8

Gonadotropin- and estrogen-induced increase of peripheral-type benzodiazepine binding sites in the hypophyseal-genital axis of rats. Fares F, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):97–102

Effects of agents which interact with central benzodiazepine binding sites on stress-induced ultrasounds in rat pups. Gardner CR, et al. **Eur J Pharmacol** 1987 Feb 24; 134(3):275–83

Modulation of peripheral benzodiazepine binding sites following chronic estradiol treatment. Gavish M, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):147–51

Non-stereospecific excitatory actions of morphine may be due to GABA-A receptor blockade. Jacquet YF, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):285–8

'Peripheral-type' benzodiazepine receptors in the kidney: regulation of radioligand binding by anions and DIDS. Lueddens HW, et al. **Eur J Pharmacol** 1987 Jan 13; 133(2):205–14

Electrophysiological evidence that Ro 15-4513 is a benzodiazepine receptor inverse agonist. Mereu G, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):453–4

Comparison of GABA-induced responses in various segments of the guinea-pig intestine. Ong J, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):349–53

GABA mechanisms of ventromedial thalamic nucleus in morphine-induced muscle rigidity. Ossowska K, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):245–51

Chronic treatment with lorazepam and FG 7142 may change the effects of benzodiazepine receptor agonists, antagonists and inverse agonists by different mechanisms. Petersen EN, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):309–17

Benzodiazepine interactions at neuronal and smooth muscle Ca2+ channels. Rampe D, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):189–97

Effects of chronic treatment with benzodiazepine receptor ligands on cortical adrenoceptors. Stanford SC, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):181–4

Inhibitory action of capsaicin on cholinergic responses induced by GABAA agonists in the guinea-pig ileum. Tonini M, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):273–6

Subconvulsive doses of intracisternal bicuculline methiodide, a GABAA receptor antagonist, produce potent analgesia as measured in the tail pinch test in mice. Ueda H, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):129–31

Effects of chronic diazepam exposure on GABA sensitivity and on benzodiazepine potentiation of GABA-mediated responses of substantia nigra pars reticulata neurons of rats. Wilson MA, et al. **Eur J Pharmacol** 1987 Apr 29; 136(3):333–43

Behavioural evidence for a selective GABA-A antagonistic activity of SR 95103 and SR 42641 after intrastriatal injection in mice. Worms P, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):343–50

Hypnotic action of pentobarbital in mice: a possible mechanism. Chweh AY, et al. **Exp Neurol** 1987 Jul; 97(1):70–6

Kindling-induced changes in EEG recorded during stimulation from the site of stimulation. III. Direct pharmacological manipulations of the kindled amygdala. Morimoto K, et al. **Exp Neurol** 1987 Jul;97(1):17–34

DIDS, an anion transport blocker, modulates ivermectin-induced enhancement of benzodiazepine receptor binding in rat brain. Matsumoto K, et al. **Gen Pharmacol** 1986;17(5):519–23

In vivo immunomodulating activity of PK 1195, a structurally unrelated ligand for "peripheral" benzodiazepine binding sites—I. Potentiation in mice of the humoral response to sheep red blood cells. Lenfant M, et al. **Int J Immunopharmacol** 1986;8(7):825–8

GABA-related activities of amino phosphonic acids on guinea-pig ileum longitudinal muscle. Luzzi S, et al. **J Auton Pharmacol** 1986 Sep;6(3):163–9

Protection against the lethal effects of pentobarbital in mice by a benzodiazepine receptor inverse agonist, 6,7-dimethoxy-4-ethyl-3-carbomethoxy-beta-carboline. Havoundjian H, et al. **J Clin Invest** 1987 Feb;79(2):473–7

Sodium valproate-induced analgesia: possible role of the GABA-ergic system in pain mechanism [letter] Sandyk R. **J Clin Psychopharmacol** 1986 Dec;6(6):388–9

Synthesis and pharmacological evaluation of gamma-aminobutyric acid analogues. New ligand for GABAB sites. Berthelot P, et al. **J Med Chem** 1987 Apr; 30(4):743–6

Purification and characterization of tribulin, and endogenous inhibitor of monoamine oxidase and of benzodiazepine receptor binding. Elsworth JD, et al. **J Neural Transm** 1986; 67(1–2):45–56

Estrogen-induced up-regulation of gamma-aminobutyric acid receptors in the CNS of rodents. Maggi A, et al. **J Neurochem** 1986 Dec;47(6):1793–7

Sexual dimorphism in the response of the GABAergic system to estrogen administration. Perez J, et al. **J Neurochem** 1986 Dec;47(6):1798–803

Role of dopaminergic and GABAergic mechanisms in discrete brain areas in phencyclidine-induced locomotor stimulation and turning behavior. Yamaguchi K, et al. **J Pharmacobiodyn** 1986 Dec;9(12):975–86

Modulation of ligands binding to the benzodiazepine receptor by an endogenous inhibitor (GABA-modulin) and bicuculline. Mousah H, et al. **J Pharmacol** 1986 Oct-Dec; 17(4):657–63

Interaction of carbolines and some GABA receptor ligands with the GABA and the benzodiazepine receptors. Mousah H, et al. **J Pharmacol** 1986 Oct-Dec;17(4):686–91

CGS 9896 and ZK 91296, but not CGS 8216 and RO 15–1788, are pure benzodiazepine receptor antagonists on mouse neurons in culture. De Deyn PP, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):48–55

Polychlorocycloalkane insecticide-induced convulsions in mice in relation to disruption of the GABA-regulated chloride ionophore. Cole LM, et al. **Life Sci** 1986 Nov 17;39(20):1855–62

Reversal of the effects of centrally-administered morphine on colonic motility in dogs by the benzodiazepine receptor antagonist RO 15–1788. Fioramonti J, et al. **Life Sci** 1987 Sep 21;41(12):1449–55

The effects of general anaesthetics on GABAergic synaptic transmission. Keane PE, et al. **Life Sci** 1987 Sep 21; 41(12):1437–48 (128 ref.)

The benzodiazepine receptor inverse agonists FG 7142 and RO 15–4513 both reverse some of the behavioral effects of ethanol in a holeboard test. Lister RG. **Life Sci** 1987 Sep 21;41(12):1481–9

The beta-carboline ZK 93423 inhibits reticulata neurons: an effect reversed by benzodiazepine antagonists. Mereu G, et al. **Life Sci** 1987 Apr 6;40(14):1423–30

Effect of GABA and benzodiazepines on testicular androgen production. Ritta MN, et al. **Life Sci** 1987 Feb 23; 40(8):791–8

Nociceptive responses to altered GABAergic activity at the spinal cord. Roberts LA, et al. **Life Sci** 1986 Nov 3; 39(18):1667–74

Naloxone-sensitive and GABAA receptor mediated analgesic response of benzodiazepines in mice. Kunchandy J, et al. **Methods Find Exp Clin Pharmacol** 1987 Feb; 9(2):95–9

Apparent pA2 estimation of benzodiazepine receptor antagonists. Kunchandy J, et al. **Methods Find Exp Clin Pharmacol** 1986 Sep;8(9):553–5

Effect of medazepam on benzodiazepine receptors in brain of mice with isolation syndrome. Tyutyulkova N, et al. **Methods Find Exp Clin Pharmacol** 1986 Dec;8(12):711–3

gamma-Aminobutyric acid (GABA)- and barbiturate-mediated 36Cl- uptake in rat brain synaptoneurosomes: evidence for rapid desensitization of the GABA receptor-coupled chloride ion channel. Schwartz RD, et al. **Mol Pharmacol** 1986 Nov;30(5):419–26

Blockade of gamma-aminobutyric acid-receptors of the B-subtype inhibits the dopamine-induced enhancement of the release of cholecystokinin-like immunoreactivity from slices of rat dorsal caudatoputamen. Conzelmann U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):541–6

Variation in behavioral response to baclofen: correlation with benzodiazepine binding sites in mouse forebrain. Rägo L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):303–6

Aging does not alter the sensitivity of benzodiazepine receptors to GABA modulation. Kochman RL, et al. **Neurobiol Aging** 1986 Sep–Oct;7(5):363–5

Binding of [3H]muscimol to calf cerebrocortical synaptic membranes and the effects of sulphur-containing convulsant and non-convulsant compounds. Egbuta JO, et al. **Neurochem Res** 1987 Jul;12(7):589–95

1-Methylisoguanosine: interaction with central adenosine receptors and lack of antagonism of its in vivo effects by a benzodiazepine antagonist. Davies LP, et al. **Neuropharmacology** 1987 May;26(5):493–7

Selective changes in the in vivo effects of benzodiazepine receptor ligands after chemical kindling with FG 7142. Little HJ, et al. **Neuropharmacology** 1987 Jan;26(1):25–31

Interactions between three pyridazinyl-GABA derivatives and central GABA and glycine receptors in the rat, an in vivo microiontophoretic study. Michaud JC, et al.

Neuropharmacology 1986 Nov;25(11):1197–203
Stress-induced changes in the function of the parasympathetic nervous system are mimicked by blocking GABA in the CNS of the cat. Pagani FD, et al. Neuropharmacology 1987 Feb–Mar;26(2–3):155–60
Effect of chronic treatment of ethanol on benzodiazepine and picrotoxin sites on the GABA receptor complex in regions of the brain of the rat. Rastogi SK, et al. Neuropharmacology 1986 Oct;25(10):1179–84
Agonist-like effects of the benzodiazepine receptor antagonist RO 15–1788. Lavie P, et al. Neuropsychobiology 1987;17(1–2):72–6
Can anti-panic drugs antagonise the anxiety produced in the rat by drugs acting at the GABA–benzodiazepine receptor complex? Pellow S, et al. Neuropsychobiology 1987; 17(1–2):60–5
The enhancement of diazepam and muscimol binding by pentobarbital and (+)-etomidate: size of the molecular arrangement estimated by electron irradiation inactivation of rat cortex. Maksay G, et al. Neurosci Lett 1986 Sep 25;70(1):116–20
Low concentrations of GABA reduce accommodation in primary afferent neurons by an action at GABAB receptors. Schlichter R, et al. Neuroscience 1987 Feb; 20(2):385–93
Enduring effects of prenatal diazepam on the behavior, EEG, and brain receptors of the adult cat progeny. Livezey GT, et al. Neurotoxicology 1986 Summer;7(2):319–33
The effects of benzodiazepines in newborn rats suggest a function for type 2 receptors. File SE, et al. Pharmacol Biochem Behav 1986 Dec;25(6):1145–8
Comparison of anticonvulsant effect of pentobarbital and phenobarbital against seizures induced by maximal electroshock and picrotoxin in rats. Mehta AK, et al. Pharmacol Biochem Behav 1986 Nov;25(5):1059–65
Repeated treatment with antidepressant drugs does not affect the benzodiazepine receptors in preincubated membrane preparations from mouse and rat brain. Przegaliński E, et al. Pharmacol Biochem Behav 1987 Jan;26(1):35–6
A benzodiazepine receptor inverse agonist inhibits stress-induced ulcer formation. Trullas R, et al. Pharmacol Biochem Behav 1987 May;27(1):35–9
Interaction of 2,3-benzodiazepines with peripheral benzodiazepine receptors. Kenessey A, et al. Pharmacol Res Commun 1987 Jan;19(1):1–14
Adrenalectomy and the anorectic effects of benzodiazepine inverse agonists and opiate antagonists in rats fed a palatable diet. Cooper SJ, et al. Physiol Behav 1987; 40(4):479–82
Alcohol, acetaldehyde and salsolinol-induced alterations in function and metabolism of cerebral GABAergic and cholinergic neurons: possible involvements in alcohol dependence and withdrawal. Kuriyama K, et al. Prog Clin Biol Res 1987;241:271–82
Interaction of a water-soluble derivative of delta-9-tetrahydrocannabinol with [3H]diazepam and [3H]flunitrazepam binding to rat brain membranes. Sung SC, et al. Prog Neuropsychopharmacol Biol Psychiatry 1987; 11(2–3):335–40
Molecular aspects of benzodiazepine receptor function. Sweetnam P, et al. Psychopharmacol Bull 1986;22(3):641–5
Beta-carbolines: new insights into the clinical pharmacology of benzodiazepine receptor ligands. Dorow R, et al. Psychopharmacol Ser 1987;3:37–51 (53 ref.)
Pharmacodynamic approaches to benzodiazepine action in man. Hommer DW, et al. Psychopharmacol Ser 1987; 3:52–61
A quantitative cerebral and whole body autoradiographic study of a intravenously administered benzodiazepine antagonist 3H-Ro 15–1788 in mice. d'Argy R, et al. Psychopharmacology (Berlin) 1987;92(1):8–13
Modulatory effect of alpha 2 adrenoceptor agonists on Ro 5–4864-induced convulsions in rats and mice. Kunchandy J, et al. Psychopharmacology (Berlin) 1987;93(1):113–7
Proconflict and electrocorticographic effects of drugs modulating GABAergic neurotransmission. Stutzmann JM, et al. Psychopharmacology (Berlin) 1987;91(1):74–9
Environmentally-induced modification of the benzodiazepine/GABA receptor coupled chloride ionophore. Trullas R, et al. Psychopharmacology (Berlin) 1987;91(3):384–90
Evidence of strain differences in GABA–benzodiazepine coupling. Wilks L, et al. Psychopharmacology (Berlin) 1987; 93(1):127–32
GABA–A and GABA–b receptors in the cuneate nucleus of the rat in vivo. Orviz P, et al. Rev Esp Fisiol 1986 Sep; 42(3):309–13
A G protein couples serotonin and GABAB receptors to the same channels in hippocampus. Andrade R, et al. Science 1986 Dec 5;234(4781):1261–5
Cyclodiene insecticides inhibit GABAA receptor-regulated chloride transport. Gant DB, et al. Toxicol Appl Pharmacol 1987 May;88(3):313–21
[Benzodiazepine derivatives: relationship between anti-convulsant activity and affinity to rabbit frontal cortical receptors] Yan GM, et al. Chung Kuo Yao Li Hsueh Pao 1986 Sep;7(5):389–93 (Eng. Abstr.) (Chi)
[Oligopeptides of beta-carboline-3-carboxylic acid—synthesis and affinity for benzodiazepine receptors] Lippke KP, et al. Arch Pharm (Weinheim) 1987 Feb; 320(2):145–53 (Eng. Abstr.) (Ger)
[Decrease of plasma prolactin in valproate therapy—expression of an increase in the activity of the central GABAergic system] Kurlemann G, et al. Monatsschr Kinderheilkd 1987 Apr;135(4):218–9 (Eng. Abstr.) (Ger)
[Current information on benzodiazepine–GABA–receptor complexes—perspectives on the development of highly specific neuropsychotropic drugs] Langnickel R, et al. Pharmazie 1986 Oct;41(10):689–94 (134 ref.) (Ger)
[GABA receptors and the effect of benzodiazepine] Schoch P, et al. Schweiz Arch Neurol Psychiatr 1986;137(5):25–39 (Ger)
[Mechanism of action of benzodiazepines] Leszek J. Wiad Lek 1987 Feb 15;40(4):260–4 (21 ref.) (Eng. Abstr.) (Pol)
[Effect of adrenoblockers on the analgesic effect of GABA-positive preparations] Andreev BV, et al. Biull Eksp Biol Med 1986 Oct;102(10):438–40 (Eng. Abstr.) (Rus)
[Role of the GABA- and cholinergic systems in the formation of a dissociated state to an antioxidant of the 3-hydroxypyridine class] Voronina TA, et al. Biull Eksp Biol Med 1987 Jan;103(1):66–8 (Eng. Abstr.) (Rus)
[Antiabstinent action of fenibut and baclofen on a model of abstinence induced by the benzodiazepine receptor antagonist CGS 8216 in rats receiving diazepam] Zharkovskiĭ AM, et al. Biull Eksp Biol Med 1987 Jun; 103(6):677–8 (Eng. Abstr.) (Rus)
[Changes in the ligand affinity of benzodiazepine receptors in the presence of 4,5,6,7-tetrahydroisoxazolo(5,4-c)pyridin-3-ol (THIP)] Zharkovskiĭ AM, et al. Biull Eksp Biol Med 1987 Feb; 103(2):181–3 (Eng. Abstr.) (Rus)
[Pharmacology of benzodiazepine receptors] Sergeev PV, et al. Farmakol Toksikol 1986 Jul–Aug;49(4):108–14 (50 ref.) (Rus)
[Effect of gamma-aminobutyric acid analogs on the brain GABA-ergic system participating in cardiovascular regulation] Tiurenkov IN, et al. Farmakol Toksikol 1986 Nov–Dec;49(6):31–4 (Eng. Abstr.) (Rus)
[Blocking of the GABA reception of the pyramidal neurons in isolated slices of the rat hippocampus] Artemenko DP, et al. Fiziol Zh 1986 Nov–Dec;32(6):664–71 (Eng. Abstr.) (Rus)
[Pharmacological analysis of the ontogenetic traits of the functional receptor activity of glial and neuronal GABA uptake and GABA-T activity in the rat hippocampus] Kozlovskiĭ VL. Zh Evol Biokhim Fiziol 1986 Nov–Dec; 22(6):543–7 (Eng. Abstr.) (Rus)

GENETICS

Expression of vertebrate amino acid receptors in Xenopus oocytes. Smart TG, et al. Adv Exp Med Biol 1986; 203:525–37
Bovine and human cDNA sequences encoding a putative benzodiazepine receptor ligand. Webb NR, et al. DNA 1987 Feb;6(1):71–9
The GABAA/benzodiazepine receptor is a heterotetramer of homologous alpha and beta subunits. Mamalaki C, et al. EMBO J 1987 Mar;6(3):561–5
Sequence and functional expression of the GABA A receptor shows a ligand-gated receptor super-family. Schofield PR, et al. Nature 1987 Jul 16–22;328(6127):221–7

IMMUNOLOGY

Benzodiazepines and PK 11195 exert immunomodulating activities by binding on a specific receptor on macrophages. Zavala F, et al. Ann NY Acad Sci 1987;496:240–9
The GABAA receptor and its antibodies. Stephenson FA, et al. Biochem Soc Symp 1986;52:33–40
Suppression of the immune response by benzodiazepine receptor inverse agonists. Arora PK, et al. J Neuroimmunol 1987 May;15(1):1–9

ISOLATION & PURIFICATION

The type I and type II gamma-aminobutyric acid/benzodiazepine receptor: 1. Purification and two-dimensional electrophoretic analysis of the receptor from cortex and cerebellum. Sato TN, et al. Biochem Biophys Res Commun 1987 Jul 31;146(2):568–74
The GABAA/benzodiazepine receptor is a heterotetramer of homologous alpha and beta subunits. Mamalaki C, et al. EMBO J 1987 Mar;6(3):561–5
The gamma-aminobutyric-acid/benzodiazepine-receptor protein from rat brain. Large-scale purification and preparation of antibodies. Stauber GB, et al. Eur J Biochem 1987 Aug 17;167(1):125–33
Glycoprotein as a constituent of purified gamma-aminobutyric acid/benzodiazepine receptor complex: structures and physiological roles of its carbohydrate chain. Kuriyama K, et al. J Neurochem 1987 Jun;48(6):1897–903
Partial purification and pharmacology of peripheral-type benzodiazepine receptors. Doble A, et al. J Recept Res 1987;7(1–4):55–70
Progress towards the understanding of the GABAA receptor structure. Stephenson FA. J Recept Res 1987;7(1–4):43–54

METABOLISM

Autoradiographic localization of GABAergic and muscarinic cholinergic receptor sites in the visual system of the kitten. Skangiel-Kramska J, et al. Acta Neurobiol Exp (Warsz) 1986;46(2–3):119–30
Purification of an endogenous benzodiazepine-like substance from the mammalian brain. De Blas AL, et al. Adv Biochem Psychopharmacol 1986;42:57–67
GABA enhancement of flunitrazepam binding in mice selectively bred for differential sensitivity to ethanol. Marley RJ, et al. Alcohol Drug Res 1987;7(1):25–32
Selective affinity of one enantiomer of suriclone demonstrated by a binding assay with benzodiazepine receptors. Jacqmin P, et al. Arch Int Pharmacodyn Ther 1986 Jul;282(1):26–32
GABA-stimulated 36Cl- influx into reconstituted vesicles with purified GABAA/benzodiazepine receptor complex. Hirouchi M, et al. Biochem Biophys Res Commun 1987 Aug 14;146(3):1471–7
Differences in the action of avermectin B1a on the GABAA receptor complex of mouse and rat. Soderlund DM, et al. Biochem Biophys Res Commun 1987 Jul 31;146(2):692–8
Characterization of [3H]Ro5–4864 binding to "peripheral" benzodiazepine receptors in guinea pig alveolar type II cells. Das SK, et al. Biochem Pharmacol 1987 Jul 1; 36(13):2221–4
Age-dependence and free fatty acid modulation of binding kinetics at the benzodiazepine binding site of serum albumin in neonates and adults determined using fast reaction methods. Menke G, et al. Br J Clin Pharmacol 1987 Apr; 23(4):439–45
A 7-phenyl substituted triazolopyridazine has inverse agonist activity at the benzodiazepine receptor site. Biziere K, et al. Br J Pharmacol 1987 Jan;90(1):183–90
Benzodiazepine receptor affinity alterations at physiologic temperature after chronic clonazepam exposure. Sher PK, et al. Brain Dev 1987;9(1):33–6
Characterization of benzodiazepine receptors in the bovine pineal gland: evidence for the presence of an atypical binding site. Basile AS, et al. Brain Res 1986 Nov; 387(2):127–35
Benzodiazepine receptors in rat brain are altered by adrenalectomy. De Souza EB, et al. Brain Res 1986 Aug 27;381(1):176–81
Heterogeneous distribution of benzodiazepine receptors in the human striatum: a quantitative autoradiographic study comparing the pattern of receptor labelling with the distribution of acetylcholinesterase staining. Faull RL, et al. Brain Res 1986 Aug 27;381(1):153–8
A quantitative relationship between Cl- enhanced [3H]flunitrazepam and [35S]t-butylbicyclophosphorothionate binding to the benzodiazepine/GABA receptor chloride ionophore complex. Havoundjian H, et al. Brain Res 1986 Dec; 387(3):281–7
Biochemical characterization of the interaction of three pyridazinyl-GABA derivatives with the GABAA receptor site. Heaulme M, et al. Brain Res 1986 Oct 8;384(2):224–31
Rapid increase in brain benzodiazepine receptor binding following defeat stress in mice. Miller LG, et al. Brain Res 1987 Jun 30;414(2):395–400
[3H]muscimol binding of GABA receptors in the visual cortex of normal and monocularly deprived cats. Mower GD, et al. Brain Res 1986 Aug 20;380(2):253–60
gamma-Aminobutyric acid (GABA) causes consistent depolarization of neurons in the guinea pig supraoptic nucleus due to an absence of GABAB recognition sites. Ogata N. Brain Res 1987 Feb 17;403(2):225–33
Acute stress enhances the activity of the GABA receptor-gated chloride ion channel in brain. Schwartz RD, et al. Brain Res 1987 May 12;411(1):151–5
GABA-gated chloride ion influx and receptor binding studies in C57BL6J and DBA2J mice. Yu O, et al. Brain Res 1986 Dec 10;399(2):374–8
Labelling of peripheral-type benzodiazepine binding sites in human brain with [3H]PK 11195: anatomical and subcellular distribution. Doble A, et al. Brain Res Bull 1987 Jan;18(1):49–61
Structure-activity relationship of peptide fragments derived from DBI (diazepam binding inhibitor), a putative endogenous ligand of benzodiazepine recognition sites. Guidotti A, et al. Clin Neuropharmacol 1986;9 Suppl 4:217–9
Correlation of myosin light chain phosphorylation and gamma aminobutyric acid receptors in Ascaris suum muscle. Martin RE, et al. Comp Biochem Physiol [C] 1987; 87(1):23–9
Effects of long-term ethanol consumption on GABAergic neurons in the mouse hippocampus: a quantitative immunocytochemical study. Lescaudron L, et al. Drug Alcohol Depend 1986 Dec;18(4):377–84
Characterization of gamma-aminobutyric acid receptors in the neurointermediate lobe of the amphibian Xenopus laevis. Verburg-van Kemenade BM, et al. Endocrinology 1987 Feb;120(2):622–8
Decreased GABA, benzodiazepine, and picrotoxinin receptor binding in brains of rats after cobalt-induced epilepsy. Pitkänen A, et al. Epilepsia 1987 Jan–Feb;28(1):11–6
High affinity [3H]zolpidem binding in the rat brain: an imidazopyridine with agonist properties at central benzodiazepine receptors. Arbilla S, et al. Eur J Pharmacol 1986 Nov 4;130(3):257–63

Photoaffinity labeling of a novel benzodiazepine binding protein in rat brain. Bowling AC, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):97–100

Stereoselective inhibition of the binding of [3H]PK 11195 to peripheral-type benzodiazepine binding sites by a quinolinepropanamide derivative. Dubroeucq MC, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):269–72

Binding and effects of catecholestrogens on adenylate cyclase activity, and adrenoceptors, benzodiazepine and GABA receptors in guinea-pig hypothalamic membranes. Etchegoyen GS, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):1–10

Benzodiazepine receptor GABA ratios: regional differences in rat brain and modulation by adrenalectomy. Goeders NE, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):363–6

Modulation of [3H]flunitrazepam binding to rat cerebellar benzodiazepine receptors by phosphatidylserine. Hammond JR, et al. **Eur J Pharmacol** 1987 May 7;137(1):49–58

Benzodiazepine receptors studied in living primates by positron emission tomography: inverse agonist interactions. Hantraye P, et al. **Eur J Pharmacol** 1987 Jun 19; 138(2):239–47

Increase of peripheral type benzodiazepine binding sites in kidney and olfactory bulb in acutely stressed rats. Novas ML, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):243–6

'Peripheral' and 'central' type benzodiazepine receptors in Maudsley rats. Tamborska E, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):281–7

Peripheral benzodiazepine binding sites on platelet membranes are increased during diazepam treatment of anxious patients. Weizman R, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):289–92

Two desensitization processes of GABA receptor from rat brain. Rapid measurements of chloride ion flux using quench-flow techniques. Cash DJ, et al. **FEBS Lett** 1987 Jun 8;217(1):129–33

Benzodiazepine agonists protect a histidine residue from modification by diethyl pyrocarbonate whereas propyl beta-carboline does not. Lambolez B, et al. **FEBS Lett** 1987 Jul 27;219(2):301–5

Central receptor binding and cardiovascular effects of GABA analogues in the cat. Matheson GK, et al. **Gen Pharmacol** 1987;18(3):269–73

Plasma GABA, GABA-like activity and the brain GABA-benzodiazepine receptor complex in rats with chronic hepatic encephalopathy. Maddison JE, et al. **Hepatology** 1987 Jul–Aug;7(4):621–8

GABA-benzodiazepine receptor complex: focus on receptor subtypes and cyclopyrrolone drugs. Snyder SH. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):145–52

Separate subunits for agonist and benzodiazepine binding in the gamma-aminobutyric acidA receptor oligomer. Casalotti SO, et al. **J Biol Chem** 1986 Nov 15; 261(32):15013–6

Synthesis of beta-carboline-benzodiazepine hybrid molecules: use of the known structural requirements for benzodiazepine and beta-carboline binding in designing a novel, high-affinity ligand for the benzodiazepine receptor. Dodd RH, et al. **J Med Chem** 1987 Jul;30(7):1248–54

Synthesis of 6-substituted beta-carbolines that behave as benzodiazepine receptor antagonists or inverse agonists. Hagen TJ, et al. **J Med Chem** 1987 Apr;30(4):750–3

A new thienylpyrazoloquinoline: a potent and orally active inverse agonist to benzodiazepine receptors. Takada S, et al. **J Med Chem** 1987 Mar;30(3):454–5

Synthesis of 7,12-dihydropyrido[3,4-b:5,4-b']diindoles. A novel class of rigid, planar benzodiazepine receptor ligands. Trudell ML, et al. **J Med Chem** 1987 Mar;30(3):456–8

Endogenous benzodiazepine receptor agonist in human and mammalian plasma. Wildmann J, et al. **J Neural Transm** 1986;66(3–4):151–60

Evidence that the peripheral-type benzodiazepine receptor ligand Ro 5-4864 inhibits beta-endorphin release from AtT-20 cells by blockade of voltage-dependent calcium channels. Bisserbe JC, et al. **J Neurochem** 1986 Nov; 47(5):1419–24

Solubilisation of the benzodiazepine receptor from rat cerebellum by the detergent n-octylpentaoxyethylene. Bristow DR, et al. **J Neurochem** 1987 May;48(5):1537–40

Characterization of the binding of [3H]SR 95531, a GABAA antagonist, to rat brain membranes. Heaulme M, et al. **J Neurochem** 1987 Jun;48(6):1677–86

Phylogenetic comparison of the photoaffinity-labeled benzodiazepine receptor subunits. Hebebrand J, et al. **J Neurochem** 1987 Apr;48(4):1103–8

Regional distribution of high-affinity gamma-[3H]hydroxybutyrate binding sites as determined by quantitative autoradiography. Hechler V, et al. **J Neurochem** 1987 Oct;49(4):1025–32

gamma-Aminobutyric acid receptor ionophore complexes: differential effects of deltamethrin, dichlorodiphenyltrichloroethane, and some novel insecticides in a rat brain membrane preparation. Lummis SC, et al. **J Neurochem** 1987 Mar;48(3):689–94

Autoradiographic localization of [3H]zolpidem binding sites in the rat CNS: comparison with the distribution of [3H]flunitrazepam binding sites. Niddam R, et al. **J Neurochem** 1987 Sep;49(3):890–9

gamma-Aminobutyric acid receptor complex of insect CNS: characterization of a benzodiazepine binding site. Robinson T, et al. **J Neurochem** 1986 Dec;47(6):1955–62

Triethyllead inhibits gamma-aminobutyric acid binding to uptake sites in synaptosomal membranes. Seidman BC, et al. **J Neurochem** 1987 Aug;49(2):415–20

Photoaffinity labeling of benzodiazepine receptor proteins with the partial inverse agonist [3H]Ro 15-4513: a biochemical and autoradiographic study. Sieghart W, et al. **J Neurochem** 1987 Jan;48(1):46–52

Comparison of tryptic peptides of benzodiazepine binding proteins photolabeled with [3H]flunitrazepam or [3H]Ro 15-4513. Sieghart W, et al. **J Neurochem** 1987 Apr; 48(4):1109–14

Stress-induced changes in t-[35S]butylbicyclophosphorothionate binding to gamma-aminobutyric acid-gated chloride channels are mimicked by in vitro occupation of benzodiazepine receptors. Trullas R, et al. **J Neurochem** 1987 Sep; 49(3):968–74

Effects of an anxiogenic benzodiazepine receptor ligand on motor activity and dopamine release in nucleus accumbens and striatum in the rat. Brose N, et al. **J Neurosci** 1987 Sep;7(9):2917–26

Transmembrane topology and subcellular distribution of the benzodiazepine receptor. Czajkowski C, et al. **J Neurosci** 1986 Oct;6(10):2857–63

Resolving GABAA/benzodiazepine receptors: cellular and subcellular localization in the CNS with monoclonal antibodies. Richards JG, et al. **J Neurosci** 1987 Jun; 7(6):1866–86

Coexistence of GABA receptors and GABA-modulin in primary cultures of rat cerebellar granule cells. Vaccarino FM, et al. **J Neurosci** 1987 Jan;7(1):65–76

Stereoselective pharmacological effects and benzodiazepine receptor affinity of the enantiomers of Gö 4962 [letter] Bartoszyk GD, et al. **J Pharm Pharmacol** 1987 May; 39(5):407–8

Functional evidence for altered activity of GABAergic receptors following chronic desipramine treatment in rats. Borsini F, et al. **J Pharm Pharmacol** 1986 Dec;38(12):934–5

Diazepam and desmethyldiazepam differ in their affinities and efficacies at 'central' and 'peripheral' benzodiazepine receptors. Gobbi M, et al. **J Pharm Pharmacol** 1987 May; 39(5):388–91

Pyrazolo[4,5-c]quinolines. 3. Synthesis, receptor binding, and 13C NMR study. Melani F, et al. **J Pharm Sci** 1986 Dec; 75(12):1175–9

Receptor-mediated model relating anticonvulsant effect to brain levels of camazepam in the presence of its active metabolites. Morino A, et al. **J Pharmacokinet Biopharm** 1986 Jun;14(3):309–21

Aldosterone-reversible decrease in the density of renal peripheral benzodiazepine receptors in the rat after adrenalectomy. Basile AS, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):1006–13

Phenylquinolines PK 8165 and PK 9084 allosterically modulate [35S]t-butylbicyclophosphorothionate binding to a chloride ionophore in rat brain via a novel Ro5 4864 binding site. Gee KW. **J Pharmacol Exp Ther** 1987 Mar; 240(3):747–53

Structure-activity relationships for steroid interaction with the gamma-aminobutyric acidA receptor complex. Harrison NL, et al. **J Pharmacol Exp Ther** 1987 Apr; 241(1):346–53

Intrinsic gamma aminobutyric acid receptors modulate the release of catecholamine from canine adrenal gland in situ. Kataoka Y, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):584–90

Interactions of diuretics with the peripheral-type benzodiazepine receptor in rat kidney. Lukeman DS, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):950–5

Benzodiazepine receptor occupancy in vivo: correlation with brain concentrations and pharmacodynamic actions. Miller LG, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):516–22

Gamma aminobutyric acid B receptor-mediated inhibition of adenylate cyclase in cultured cerebellar granule cells: blockade by islet-activating protein. Xu J, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):568–73

gamma-Aminobutyric acid receptor-regulated 36Cl- flux in mouse cortical slices. Yang JS, et al. **J Pharmacol Exp Ther** 1987 May;241(2):677–85

Dopaminergic and benzodiazepine receptors studied in vivo by PET. Hantraye P, et al. **J Physiol (Paris)** 1986; 81(4):278–82

Comparison of typical and atypical benzodiazepines on the central and peripheral benzodiazepine receptors. Watanabe Y, et al. **Jpn J Pharmacol** 1986 Oct;42(2):189–97

Effect of THIP and SL 76002, two clinically experimented GABA-mimetic compounds, on anterior pituitary GABA receptors and prolactin secretion in the rat. Apud JA, et al. **Life Sci** 1987 Mar 2;40(9):871–81

The regulation of GABAergic receptors by a novel family of endogenous neuropeptides. Costa E, et al. **Life Sci** 1987 Aug 17;41(7):799–803

Temperature dependence and GABA modulation of [3H]triazolam binding in the rat brain. Earle ME, et al. **Life Sci** 1987 Jul 27;41(4):397–403

Conformational shifts at the benzodiazepine receptor related to the binding of agonists antagonists and inverse agonists. Fryer RI, et al. **Life Sci** 1986 Nov 24;39(21):1947–57

Coexistence of central and peripheral benzodiazepine binding sites in the human pineal gland. Suranyi-Cadotte B, et al. **Life Sci** 1987 Apr 13;40(15):1537–43

Regulation of cyclic-AMP synthesis in amphibian melanotrope cells through catecholamine and GABA receptors. Verburg-van Kemenade BM, et al. **Life Sci** 1987 May 11;40(19):1859–67

Stereochemical features controlling binding and intrinsic activity properties of benzodiazepine-receptor ligands. Borea PA, et al. **Mol Pharmacol** 1987 Apr;31(4):334–44

gamma-Aminobutyric acid receptor binding in fresh mouse brain membranes at 22 degrees C: ligand-induced changes in affinity. Yang JS, et al. **Mol Pharmacol** 1987 Aug; 32(1):266–77

A method for the determination of the integrity of labeled GABA used in membrane receptor binding assay. Cupello A, et al. **Neurochem Res** 1987 Mar;12(3):311–3

Aging: effect on ex-vivo benzodiazepine binding after a diazepam injection. Komiskey HL. **Neurochem Res** 1987 Aug;12(8):745–9

Cortical GABAB and GABAA receptors in Alzheimer's disease: a quantitative autoradiographic study. Chu DC, et al. **Neurology** 1987 Sep;37(9):1454–9

Benzodiazepine receptor binding is not altered in human epileptogenic cortical foci. Sherwin A, et al. **Neurology** 1986 Oct;36(10):1380–2

Huntington's disease: increased number and altered regulation of benzodiazepine receptor complexes in frontal cerebral cortex. Trifiletti RR, et al. **Neurology** 1987 Jun; 37(6):916–22

Specific binding of a phenyl-pyridazinium derivative endowed with GABAA receptor antagonist activity to rat brain. Heaulme M, et al. **Neuropharmacology** 1986 Nov; 25(11):1279–83

Binding sites for a peripheral type benzodiazepine antagonist ([3H]PK 11195) in human iris. Valtier D, et al. **Neuropharmacology** 1987 Jun;26(6):549–52

The chloride channel blocking agent, t-butyl bicyclophosphorothionate, binds to the gamma-aminobutyric acid-benzodiazepine, but not to the glycine receptor in rodents. Rienitz A, et al. **Neurosci Lett** 1987 Apr 23;76(1):91–5

Cerebellar benzodiazepine receptor distribution: an autoradiographic study of the normal C57BL/6J and Purkinje cell degeneration mutant mouse. Rotter A, et al. **Neurosci Lett** 1986 Oct 30;71(1):66–71

GABAA and GABAB receptor site distribution in the rat central nervous system. Bowery NG, et al. **Neuroscience** 1987 Feb;20(2):365–83

An immunohistochemical study of the distribution of enteric GABA-containing neurons in the rat and guinea-pig intestine. Hills JM, et al. **Neuroscience** 1987 Jul;22(1):301–12

Cloning and expression of cDNA for human diazepam binding inhibitor, a natural ligand of an allosteric regulatory site of the gamma-aminobutyric acid type A receptor. Gray PW, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7547–51

Protracted treatment with diazepam increases the turnover of putative endogenous ligands for the benzodiazepine/beta-carboline recognition site. Miyata M, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1444–8

Imaging of a glioma using peripheral benzodiazepine receptor ligands. Starosta-Rubinstein S, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):891–5

Porphyrins are endogenous ligands for the mitochondrial (peripheral-type) benzodiazepine receptor. Verma A, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2256–60

Anxiety and the benzodiazepine receptor. Norman TR, et al. **Prog Brain Res** 1986;65:73–90 (169 ref.)

Muscarinic, benzodiazepine, GABA, chloride channel and other binding sites in frontal cortex in hepatic coma in man. Lal S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):243–50

Determinants of benzodiazepine brain uptake: lipophilicity versus binding affinity. Arendt RM, et al. **Psychopharmacology (Berlin)** 1987;93(1):72–6

Pyrethroid insecticides and radioligand displacement from the GABA receptor chloride ionophore complex. Crofton KM, et al. **Toxicol Lett** 1987 Feb;35(2–3):183–90

[Changes in adrenal benzodiazepine receptors in spontaneously hypertensive rats] Song LC, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):318–20 (Eng. Abstr.) **(Chi)**

[Analysis of developmental pattern of neurotransmitters and receptors using primary cultured neurons: with special reference to GABAergic neurons] Ohkuma S, et al. **Tanpakushitsu Kakusan Koso** 1986 Oct;31(12):1139–50 (80 ref.) **(Jpn)**

[Role of membrane receptors in the pathogenesis of epilepsy and in the mechanism of action of anti-epileptic drugs] Szczechowski L, et al. **Pol Tyg Lek** 1987 Apr 21; 42(16):485–8 **(Pol)**

[Effect of brain acid extract products in inbred mice on 3H-diazepam reception] Blednov IuA, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):294–6 (Eng. Abstr.) **(Rus)**

[Regulation of 3H-dopamine release by presynaptic GABA and glutamate heteroreceptors in the synaptosomes of the rat nucleus accumbens] Kovalev GI, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):75–8 (Eng. Abstr.) **(Rus)**

[Independent benzodiazepine and beta-carboline binding sites in the brain of aggressive and anxious-defensive mice] Sukhotina IA, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):678–81 (Eng. Abstr.) **(Rus)**

[The need for the correct choice of free ligand concentration in determining parameters of benzodiazepine binding]

Zharkovskii AM. **Biull Eksp Biol Med** 1986 Sep; 102(9):298–301 (Eng. Abstr.) **(Rus)**

[Uptake of [14C]GABA by rat brain slices; the effect of Ca2+] Reitarova TE, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):87–90 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Functional links between benzodiazepine and GABA receptors and pineal activity. Cardinali DP, et al. **Adv Biochem Psychopharmacol** 1986;42:155–64

GABAergic neurotransmission. An overview. De Robertis E. **Adv Biochem Psychopharmacol** 1986;42:1–12

GABA receptors in the developing chick visual system: influence of light and darkness. Fiszer de Plazas S, et al. **Adv Biochem Psychopharmacol** 1986;42:25–38

Participation of GABA/benzodiazepine receptor system in the adrenal chromaffin cell function. Guidotti A, et al. **Adv Biochem Psychopharmacol** 1986;42:165–72

Identification of a potent endogenous benzodiazepine binding inhibitor from bovine cerebral cortex. Medina JH, et al. **Adv Biochem Psychopharmacol** 1986;42:47–56

Amino acid activated receptor–channels at peripheral and central synapses. Cull–Candy SG. **Adv Exp Med Biol** 1986; 203:513–23

Effect of various GABA–receptor agonists and antagonists on anaphylactic histamine release in the guinea–pig ileum. Luzzi S, et al. **Agents Actions** 1987 Apr;20(3–4):181–4

The gamma–aminobutyric acid receptor of Ascaris as a target for anthelmintics. Martin RJ. **Biochem Soc Trans** 1987 Feb; 15(1):61–5

Benzodiazepine receptor binding: influence of physiologic and pharmacologic factors. Miller LG, et al. **Biopharm Drug Dispos** 1987 Mar–Apr;8(2):103–14 (108 ref.)

A facilitatory effect of bicuculline on the enteric neurones in the guinea–pig isolated colon. Frigo GM, et al. **Br J Pharmacol** 1987 Jan;90(1):31–41

GABAB–receptor mediated inhibition of potassium–evoked release of endogenous 5–hydroxytryptamine from mouse frontal cortex. Gray JA, et al. **Br J Pharmacol** 1987 Jul; 91(3):517–22

The affinities, potencies and efficacies of some benzodiazepine–receptor agonists, antagonists and inverse–agonists at rat hippocampal GABAA–receptors. Kemp JA, et al. **Br J Pharmacol** 1987 Jul;91(3):601–8

Adaptation of the GABAA–receptor complex in rat brain during chronic elevation of GABA by ethanolamine O–sulphate. Lindgren S, et al. **Br J Pharmacol** 1987 Jul; 91(3):617–25

A GABAergic depolarizing potential in the hippocampus disclosed by the convulsant 4–aminopyridine. Avoli M, et al. **Brain Res** 1987 Jan 1;400(1):191–5

GABA–receptor stimulation enhances norepinephrine–induced polyphosphoinositide metabolism in rat hippocampal slices. Corradetti R, et al. **Brain Res** 1987 May 12;411(1):196–9

Ontogenetic development of peripheral benzodiazepine binding sites in rat brain, heart and lung. Fares F, et al. **Brain Res** 1987 Apr 7;408(1–2):381–4

Release of cholecystokinin from rat cerebral cortex in vivo: role of GABA and glutamate receptor systems. Yaksh TL, et al. **Brain Res** 1987 Mar 17;406(1–2):207–14

Ionic conductances related to GABA action on secretory and biosynthetic activity of pars intermedia cells. Taleb O, et al. **Brain Res Bull** 1986 Nov;17(5):725–30

Potentiation of salivary fluid secretion in ixodid ticks: a new receptor system for gamma–aminobutyric acid. Lindsay PJ, et al. **Can J Physiol Pharmacol** 1986 Aug;64(8):1119–26

Steroid modulation of GABAA receptor–coupled Cl– conductance. Barker JL, et al. **Clin Neuropharmacol** 1986; 9 Suppl 4:392–4

Electrophysiology of single GABA receptor chloride channels. Bormann J. **Clin Neuropharmacol** 1986;9 Suppl 4:386–8

Factors modulating the sensitivity of the GABA receptor–gated chloride ion channel. Schwartz RD, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:389–91

The benzodiazepine/GABA receptor complex in anxiety. Skolnick P, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:43–5

Phospholipase C activation induced by noradrenaline in rat hippocampal slices is potentiated by GABA–receptor stimulation. Ruggiero M, et al. **EMBO J** 1987 Jun; 6(6):1595–8

GABAA receptors in the midbrain central grey mediate the antiaversive action of GABA. Audi EA, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):225–9

Benzodiazepine and beta–carboline modulation of GABA–stimulated 36Cl–influx in cultured spinal cord neurons. Lehoullier PF, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):235–8

Behavioural evidence for an interdependence between GABAA receptors and beta 2–adrenoceptors. Singh L, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):419–21

Rat hypothalamus contains an antimitogenic factor acting via benzodiazepine receptors. Pawlikowski M, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):270–4

Binding experiment KD values and physiologically active GABA concentrations: an only apparent contradiction? Cupello A, et al. **Int J Neurosci** 1986 Nov;30(4):297–301

Respiratory depressant effects of GABA alpha– and beta–receptor agonists in the cat. Taveira da Silva AM, et al. **J Appl Physiol** 1987 Jun;62(6):2264–72

The role of benzodiazepine receptors in the induction of differentiation of HL–60 leukemia cells by benzodiazepines and purines. Ishiguro K, et al. **J Cell Physiol** 1987 May; 131(2):226–34

Effects of GABAergic drugs on the GABA turnover in the substantia nigra and the corpus striatum of the rat. Lindgren S. **J Neural Transm** 1987;69(1–2):33–46

gamma–Aminobutyric acid–activated 36Cl– influx: a functional in vitro assay for CNS gamma–aminobutyric acid receptors of insects. Wafford KA, et al. **J Neurochem** 1987 Jan;48(1):177–80

Effects of microiontophoretic pentobarbitone on conditioned inhibitions mediated by GABA–A receptors in the cuneate nucleus of the rat in–vivo. Andres–Trelles F, et al. **J Pharm Pharmacol** 1987 Jan;39(1):59–62

Localization of sites in periventricular forebrain mediating cardiovascular effects of gamma–aminobutyric acid agonists and antagonists in anesthetized cats. Sample RH, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):498–507

Benzodiazepine pharmacology of cultured mammalian CNS neurons. Barker JL, et al. **Life Sci** 1986 Nov 24; 39(21):1959–68 (28 ref.)

gamma–Aminobutyric acid (GABA) mediated transmembrane chloride flux with membrane vesicles from rat brain measured by quench flow technique: kinetic homogeneity of ion flux and receptor desensitization. Cash DJ, et al. **Life Sci** 1987 Jul 27;41(4):437–45

GABAA receptor–controlled 36Cl– influx in cultured rat cerebellar granule cells. Kardos J, et al. **Life Sci** 1987 Jul 20;41(3):265–72

Characterization of GABAA receptor–mediated 36chloride uptake in rat brain synaptoneurosomes. Luu MD, et al. **Life Sci** 1987 Sep 7;41(10):1277–87

Barbiturate and benzodiazepine modulation of GABA receptor binding and function. Olsen RW, et al. **Life Sci** 1986 Nov 24;39(21):1969–76 (61 ref.)

Intracellular calcium ions decrease the affinity of the GABA receptor. Inoue M, et al. **Nature** 1986 Nov 13–19; 324(6093):156–8

Prenatal diazepam: chronic anxiety and deficits in brain receptors in mature rat progeny. Livezey GT, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct;8(5):425–32

Evidence for control of cardiac vagal tone by benzodiazepine receptors. DiMicco JA. **Neuropharmacology** 1987 Jun; 26(6):553–9

Benzodiazepine receptor modulation of [35S]TBPS binding to the chloride channel. Noncompetitive inhibition of classical benzodiazepines and competitive inhibition of the partial agonist, CGS 9895, by CGS 8216. Loo P, et al. **Neuropharmacology** 1987 Jul;26(7A):775–8

A pyridazinyl derivative of gamma–aminobutyric acid (GABA), SR 95531, is a potent antagonist of Cl– channel opening regulated by GABAA receptors. Mienville JM, et al. **Neuropharmacology** 1987 Jul;26(7A):779–83

Evidence for a role of central type benzodiazepine receptors in the inhibition of the thyrotropin–releasing hormone–induced thyrotropin release from rat perifused pituitaries. Tapia–Arancibia L, et al. **Neurosci Lett** 1986 Nov 21;71(3):329–34

Differential effects of benzodiazepine receptor ligands on isotonic saline and water consumption in water–deprived rats. Estall LB, et al. **Pharmacol Biochem Behav** 1987 Feb; 26(2):247–52

Availability of chemosensory receptors is down–regulated by habituation of larvae to a morphogenetic signal. Trapido–Rosenthal HG, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7658–62

Modulation of the GABAA receptor by progesterone metabolites. Callachan H, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):359–69

Modulation of the benzodiazepine–GABA receptor chloride ionophore complex by multiple allosteric sites: evidence for a barbiturate "receptor" Skolnick P, et al. **Psychopharmacol Ser** 1987;3:29–36

The possible modulation of morphine analgesia by the supramolecular GABA receptor complex. Palaoglu O, et al. **Psychopharmacology (Berlin)** 1986;90(2):244–6

GABA and cardiovascular regulation. DeFeudis FV. **Rev Clin Basic Pharm** 1985 Jan–Jun;5(1–2):141–58 (97 ref.)

[Electrophysiological and biochemical studies of GABA receptors in a primary cell culture of the pars intermedia of the porcine pituitary] Taleb O, et al. **Ann Endocrinol (Paris)** 1986;47(1):48–50 (Eng. Abstr.) **(Fre)**

[Effect of GABA–linoleamide and glycine linoleamide on pentamethylenetetrazole convulsions] Vamvakidès A. **J Pharmacol** 1986 Jul–Sep;17(3):323–7 (Eng. Abstr.) **(Fre)**

[Physiopathology of the panic syndrome] Gentil V. **AMB** 1986 May–Jun;32(5–6):101–7 (Eng. Abstr.) **(Por)**

RECEPTORS, GAMMA–AMINOBUTYRIC ACID see **RECEPTORS, GABA–BENZODIAZEPINE**

RECEPTORS, GASTROINTESTINAL HORMONE

The vasoactive intestinal peptide receptor on intact human colonic adenocarcinoma cells (HT29–D4). Evidence for its glycoprotein nature. el Battari A, et al. **Biochem J** 1987 Feb 15;242(1):185–91

ANALYSIS

Vasoactive intestinal peptide in bovine pulmonary artery: localisation, function and receptor autoradiography. Barnes PJ, et al. **Br J Pharmacol** 1986 Sep;89(1):157–62

Gastric inhibitory polypeptide receptor in hamster pancreatic beta cells. Direct cross–linking, solubilization and characterization as a glycoprotein. Amiranoff B, et al. **Eur J Biochem** 1986 Sep 1;159(2):353–8

Visualization of vasoactive intestinal peptide receptors in human and guinea pig lung. Carstairs JR, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):249–55

[Demonstration of VIP receptors in B cells of the pancreas by quantitative ultrastructural autoradiography] Anteunis A, et al. **C R Acad Sci [III]** 1986;303(9):357–60 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Ethanol inhibits dual receptor stimulation of pineal cAMP and cGMP by vasoactive intestinal peptide and phenylephrine. Chik CL, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):145–51

Effect of dietary carbohydrates on glucagon and insulin receptors in genetically obese female Zucker rats. Bhathena SJ, et al. **J Nutr** 1987 Jul;117(7):1291–7

ISOLATION & PURIFICATION

Biochemical characteristics of receptors for vasoactive intestinal polypeptide in nervous, endocrine, and immune systems. O'Dorisio MS. **Fed Proc** 1987 Jan;46(1):192–5 (20 ref.)

METABOLISM

Binding and degradation of vasoactive intestinal peptide in prolactin–producing cultured rat pituitary tumour cells (GH4C1). Bjøro T, et al. **Acta Physiol Scand** 1987 Aug; 130(4):609–18

Characterization of receptors for VIP on pancreatic acinar cell plasma membranes using covalent cross–linking. McArthur KE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G404–12

Binding and action of glucagon in isolated adipocytes from cortisol–treated rats. Calle C, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):90–5

Biological activities of catfish glucagon and glucagon–like peptide. Hoosein NM, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):87–92

Identification and molecular characterization of galanin receptor sites in rat brain. Servin AL, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):298–306

Effect of gastroduodenostomy on intestinal vasoactive intestinal peptide (VIP) levels, and VIP binding and VIP stimulation of cyclic AMP in intestinal epithelial cells from rat. Carmena MJ, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):307–13

N–ethylmaleimide uncouples the glucagon receptor from the regulatory component of adenylyl cyclase. Lipson KE, et al. **Biochemistry** 1986 Sep 23;25(19):5678–85

Effects of age and androgens upon functional vasoactive intestinal peptide receptors in rat prostatic epithelial cells. Carmena MJ, et al. **Biochim Biophys Acta** 1986 Oct 10; 888(3):338–43

A novel vasoactive intestinal peptide (VIP) from elasmobranch intestine has full affinity for mammalian pancreatic VIP receptors. Dimaline R, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):97–100

Glucagon receptor binding, dissociation and degradation in rat liver plasma membranes studied by a microperifusion method. Frandsen EK, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):74–80

Receptor binding of selectively labeled (Tyr–10) and (Tyr–13)–mono–125I–glucagons and competition by homologous 127I–labeled isomers. Pingoud V, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):182–9

Interaction of thymic peptide thymosin alpha 1 with vasoactive intestinal peptide (VIP) receptors. Calvo JR, et al. **Biosci Rep** 1986 Aug;6(8):727–33

Interaction of a bovine thymic peptide extract with vasoactive intestinal peptide (VIP) receptors. Guerrero JM, et al. **Biosci Rep** 1986 Jun;6(6):579–84

Effects of fasting and refeeding on vasoactive intestinal peptide binding to rat blood mononuclear cells. Calvo JR, et al. **Comp Biochem Physiol [C]** 1987;87(1):95–8

Effect of maternal food restriction on circulating insulin and glucagon levels and on liver insulin and glucagon binding sites of fetal and suckling rats. Alvarez E, et al. **Diabete Metab** 1986 Dec;12(6):337–45

Galanin receptors in a hamster pancreatic beta–cell tumor: identification and molecular characterization. Amiranoff B, et al. **Endocrinology** 1987 Jul;121(1):284–9

Beta–adrenergic receptors, glucagon receptors, and their relationship to adenylate cyclase in rat liver during aging. Dax EM, et al. **Endocrinology** 1987 Apr;120(4):1534–41

Characterization and solubilization of vasoactive intestinal peptide receptors from rat lung membranes. Provow S, et al. **Endocrinology** 1987 Jun;120(6):2442–52

Selective photolabeling of high and low affinity binding sites for vasoactive intestinal peptide (VIP): evidence for two classes of covalent VIP–receptor complexes in intestinal cell membranes. Robichon A, et al. **Endocrinology** 1987 Mar;120(3):978–85

Cycloheximide induces accumulation of vasoactive intestinal peptide (VIP) binding sites at the cell surface of a human colonic adenocarcinoma cell line (HT29-D4). Evidence for the presence of an intracellular pool of VIP receptors. Luis J, et al. **Eur J Biochem** 1987 Sep 1;167(2):391–6

Age related changes of glucagon binding and activity in isolated rat hepatocytes. Poli G, et al. **Int J Tissue React** 1986;8(5):367–71

Solubilization of the liver vasoactive intestinal peptide receptor. Hydrodynamic characterization and evidence for an association with a functional GTP regulatory protein. Couvineau A, et al. **J Biol Chem** 1986 Nov 5; 261(31):14482–9

Partial agonism in the glucagon receptor system is a consequence of the two-state rat hepatic receptor. Horwitz EM, et al. **J Biol Chem** 1986 Oct 15;261(29):13670–6

Development of vasoactive intestinal peptide-responsive adenylate cyclase during enterocytic differentiation of Caco-2 cells in culture. Evidence for an increased receptor level. Laburthe M, et al. **J Biol Chem** 1987 Jul 25; 262(21):10180–4

Characterization of receptors for vasoactive intestinal peptide solubilized from the lung. Paul S, et al. **J Biol Chem** 1987 Jan 5;262(1):158–62

Characterization of vasoactive intestinal peptide receptors by a photoaffinity label. Site-specific modification of vasoactive intestinal peptide by derivatization of the receptor-bound peptide. Robichon A, et al. **J Biol Chem** 1987 Aug 25;262(24):11539–45

Synthesis of two glucagon antagonists: receptor binding, adenylate cyclase, and effects on blood plasma glucose levels. Gysin B, et al. **J Med Chem** 1987 Aug;30(8):1409–15

Molecular characteristics and peptide specificity of vasoactive intestinal peptide receptors from rat cerebral cortex. Couvineau A, et al. **J Neurochem** 1986 Nov; 47(5):1469–75

Vasoactive intestinal peptide and intraocular pressure: adenylate cyclase activation and binding sites for vasoactive intestinal peptide in membranes of ocular ciliary processes. Mittag TW, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):230–5

Binding of vasoactive intestinal polypeptide to dispersed enterocytes results in rapid removal of the NH2-terminal histidyl residue. Nau R, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):97–103

Conformational determinants in receptor recognition of peptide hormones: interaction of parathyroid hormone with the glucagon receptor. Shah GV, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):203–10

Glucagon receptor number and the MHC [letter] Erickson RP. **Nature** 1986 Oct 16–22;323(6089):586

Specific labelling of high-affinity vasoactive intestinal peptide receptors in rat liver membranes by a growth hormone-releasing factor analog. Robberecht P, et al. **Neuroendocrinology** 1986;44(1):108–11

Secretin receptors in the rat kidney: adenylate cyclase activation and renal effects. Charlton CG, et al. **Peptides** 1986 Sep–Oct;7(5):865–71

Characterization of vasoactive intestinal peptide (VIP) receptors in mammalian lung. Dickinson KE, et al. **Peptides** 1986 Sep–Oct;7(5):791–800

Autoradiographic demonstration of gastrin binding sites in rat gastric mucosa. Nakamura M, et al. **Peptides** 1987 Mar–Apr;8(2):391–8

A fragment of vasoactive intestinal peptide, VIP(10–28), is an antagonist of VIP in the colon carcinoma cell line, HT29. Turner JT, et al. **Peptides** 1986 Sep–Oct;7(5):849–54

Receptors for vasoactive intestinal peptide and secretin on guinea pig pancreatic acini. Zhou ZC, et al. **Peptides** 1987 Jul–Aug;8(4):633–7

The relationship between glucagon receptors and metabolic profile in two strains of rats: Wistar-Furth and Sprague-Dawley. Dunbar JC, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):320–5

Recognition of neuropeptides FMRFamide and LPLRFamide by chicken cerebellum avian pancreatic polypeptide binding sites. Ganeshan K, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):409–12

Motilin receptors in rabbit stomach and small intestine. Bormans V, et al. **Regul Pept** 1986 Sep;15(2):143–53

Iodinated derivatives of the vasoactive intestinal polypeptide (VIP) are agonists at the cat pancreas and the rat submandibular salivary gland. Halldén G, et al. **Regul Pept** 1986 Dec 22;16(2):183–8

PHYSIOLOGY

Glucagon stimulates adenylate cyclase through GR2 glucagon receptors: a process which can be attenuated by glucagon stimulating inositol phospholipid metabolism through GR1 glucagon receptors. Houslay MD, et al. **Biochem Soc Trans** 1987 Feb;15(1):21–4

The hepatic glucagon receptor: a comparative study of the regulatory and structural properties. Padrell E, et al. **Endocrinology** 1987 Jun;120(6):2316–25

Comparative stimulation of motilin duodenal receptor by porcine or canine motilin. Poitras P, et al. **Gastroenterology** 1987 Mar;92(3):658–62

Effect of cold acclimation on glucagon receptors of rat white adipocytes. Uehara A, et al. **Jpn J Physiol** 1986; 36(5):891–903

Comparative study of the developmental patterns of vasopressin, glucagon, angiotensin II, and alpha 1-adrenergic receptors in the liver of developing and adult hypothyroid rats. Ali M, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):115–25

Characterization of glucagon receptors in liver membranes and isolated hepatocytes during rat ontogenic development. Blázquez E, et al. **Mol Cell Endocrinol** 1987 Feb; 49(2–3):149–57

[The gastric parietal cell and acid secretion] Weydert JM. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):133–7 **(Fre)**

RECEPTORS, GLUCOCORTICOID

Domain structure of the glucocorticoid receptor protein. Carlstedt-Duke J, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4437–40

ANALYSIS

Glucocorticoid-induced growth inhibition of human neoplastic salivary gland duct cell line (HSG). Hatakeyama S, et al. **Acta Pathol Jpn** 1987 Apr;37(4):587–95

Early postnatal handling alters glucocorticoid receptor concentrations in selected brain regions. Meaney MJ, et al. **Behav Neurosci** 1985 Aug;99(4):765–70

Computer-based search for steroid and DNA binding sites on estrogen and glucocorticoid receptors. Baker ME. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):281–6

Specificity of activated glucocorticoid receptor expression in heart and skeletal muscle types. Czerwinski-Helms SM, et al. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):322–8

Fucosterol decreases angiotensin converting enzyme levels with reduction of glucocorticoid receptors in endothelial cells. Hagiwara H, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):348–52

Evidence for an association of a ribonucleic acid with the purified, unactivated glucocorticoid receptor. Webb ML, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):204–11

Subcellular distribution of glucocorticoid receptor in the neoplastic epithelial duct cell line from human salivary gland. Kurokawa R, et al. **Biochem Int** 1987 Jan;14(1):37–44

Age-dependent regulation of glucocorticoid receptors in the liver of male rats. Sharma R, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):237–43

Glucocorticoid receptors in acute leukemia. Federico MH, et al. **Braz J Med Biol Res** 1986;19(2):167–72

A new glucocorticoid receptor detected in host rat liver but not in various hepatomas. Hirota K, et al. **Cancer Res** 1987 Jul 15;47(14):3742–6

Glucocorticoid receptors and corticosensitivity in the human monocytic cell line CM-S: changes during phorbol ester-induced differentiation. Ranelletti FO, et al. **Cell Immunol** 1986 Apr 15;99(1):95–107

Ginsenoside RG1 and corticosteroid receptors in rat brain. de Kloet ER, et al. **Endocrinol Jpn** 1987 Apr;34(2):213–20

Intracellular localization of the glucocorticoid receptor: evidence for cytoplasmic and nuclear localization. Wikström AC, et al. **Endocrinology** 1987 Apr; 120(4):1232–42

Adult respiratory distress syndrome: evidence of early fibrogenesis and absence of glucocorticoid receptors. Auler Júnior JO, et al. **Eur J Respir Dis** 1986 Oct;69(4):261–9

The molybdate-stabilized nonactivated glucocorticoid receptor contains a dimer of Mr 90,000 non-hormone-binding protein. Denis M, et al. **J Biol Chem** 1987 Aug 25;262(24):11803–6

Use of [3H]cortivazol to characterize glucocorticoid receptors in a dexamethasone-resistant human leukemic cell line. Schlechte JA, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):441–6

Immunocytochemical application of monoclonal antibodies to rat liver glucocorticoid receptor. Teasdale J, et al. **J Pathol** 1986 Dec;150(4):227–37

Characterization of glucocorticoid receptors in S49 mouse lymphoma cells by affinity labeling with [3H]dexamethasone 21-mesylate. Distelhorst CW, et al. **J Steroid Biochem** 1987 Jan;26(1):59–65

Photoaffinity labeling with [3H]RU 28362: a powerful tool for the study of rat brain glucocorticoid receptors. Hermann T, et al. **J Steroid Biochem** 1987 Apr;26(4):417–23

Receptor structure: a personal assessment of the current status. King RJ. **J Steroid Biochem** 1986 Sep;25(3):451–4 (52 ref.)

Identification of two forms of molybdate-stabilized, non-transformed glucocorticoid hormone-receptor complex by gel filtration chromatography. Weatherill PJ, et al. **J Steroid Biochem** 1987 Apr;26(4):463–6

Differential response of type I and type II corticosteroid receptors to changes in plasma steroid level and circadian rhythmicity. Reul JM, et al. **Neuroendocrinology** 1987 May; 45(5):407–12

Status of type-II glucocorticoid receptors in tissues of adrenalectomized rats. Golikov PP, et al. **Neurosci Behav Physiol** 1986 Jul-Aug;16(4):289–91

Presence of glucocorticoid receptor immunoreactivity in corticotrophin releasing factor and in growth hormone releasing factor immunoreactive neurons of the rat di- and telencephalon. Cintra A, et al. **Neurosci Lett** 1987 Jun 1; 77(1):25–30

Glucocorticoid receptors predict response to combination chemotherapy in patients with acute lymphoblastic leukemia. Iacobelli S, et al. **Oncology** 1987;44(1):13–6

Skeletal muscle glucocorticoid receptor and glutamine synthetase activity in the wasting syndrome in rats treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. Max SR, et al. **Toxicol Appl Pharmacol** 1987 Mar 15;87(3):523–7

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. III. Correlation between receptor number and clinical response to glucocorticoid] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1306–14 (Eng. Abstr.) **(Jpn)**

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. I. Fundamental investigation on the method of measurement of the glucocorticoid receptor in whole cell and nucleus] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1289–97 (Eng. Abstr.) **(Jpn)**

[Glucocorticosteroid receptors in peripheral blood lymphocytes in children with lipoid nephrosis] Szprynger K. **Pol Tyg Lek** 1986 Sep 29;41(39):1239–41 (Eng. Abstr.) **(Pol)**

[Changes in the receptor link during the development of renal sensitivity to aldosterone and antidiuretic hormone] Solenov EI, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1673–9 (Eng. Abstr.) **(Rus)**

[Determination of the amount of somatic cell glucocorticoid receptors as one of the prospective approaches to the individual prognosis of glucocorticosteroid therapy] Mukhin NA, et al. **Ter Arkh** 1987;59(5):69–73 (Eng. Abstr.) **(Rus)**

[Prognostic significance of the glucocorticoid receptor level in the bone marrow blast cells of children with leukemias] Gershtein ES, et al. **Vopr Onkol** 1987;33(1):20–4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Thyroid hormones influence the development of hippocampal glucocorticoid receptors in the rat: a mechanism for the effects of postnatal handling on the development of the adrenocortical stress response. Meaney MJ, et al. **Neuroendocrinology** 1987 Apr;45(4):278–83

BLOOD

Glucocorticoid receptors in subpopulations of human lymphocytes defined by monoclonal antibodies. Martins VR, et al. **Cell Immunol** 1987 Apr 1;105(2):443–6

Alterations in the number of glucocorticoid receptors of circulating lymphocytes in sepsis. Krasznai A, et al. **Haematologia (Budap)** 1986;19(4):293–8

DRUG EFFECTS

Effects of dexamethasone on the growth of cultured rabbit articular chondrocytes:relation with the nuclear glucocorticoid-receptor complex. Hainque B, et al. **Ann Rheum Dis** 1987 Feb;46(2):146–52

Inhibition by 1-(5-isoquinolinesulfonyl)-2-methylpiperazine, an inhibitor of protein kinase C, of enzyme induction by glucocorticoid and of nuclear translocation of glucocorticoid-receptor complexes. Kido H, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):152–9

Epidermal growth factor stimulates tyrosine phosphorylation of human glucocorticoid receptor in cultured cells. Rao KV, et al. **Biochem Biophys Res Commun** 1987 Apr 14; 144(1):512–9

Studies with chymotrypsin and RNAase showing a heterooligomeric structure of the glucocorticoid receptor complex from rat liver which is stabilized by a low molecular weight factor. Tymoczko JL, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):296–305

In vitro studies of skin fibroblasts from a patient with a new type of primary cortisol resistance: glucocorticoid receptor status and glucocorticoid effect on DNA synthesis. Gomi M, et al. **Horm Metab Res** 1987 Jul;19(7):328–30

Regulation of the glucocorticoid receptor by glucocorticoids in human mononuclear leukocytes. Brentani MM, et al. **Horm Res** 1986;24(1):9–17

Interaction of new 19 nor progesterone derivatives with progestagen, mineralocorticoid and glucocorticoid cytosolic receptors. Botella J, et al. **J Pharmacol** 1986 Oct-Dec;17(4):699–706

[Clinical relevance of glucocorticoid receptors in the treatment of lymphoid neoplasias] Gehring U, et al. **Klin Wochenschr** 1987 Mar 16;65(6):247–52 (Eng. Abstr.) **(Ger)**

GENETICS

Cooperativity of glucocorticoid response elements located far upstream of the tyrosine aminotransferase gene. Jantzen HM, et al. **Cell** 1987 Apr 10;49(1):29–38

Human steroid receptors and erb-A gene products form a superfamily of enhancer-binding proteins. Weinberger C, et al. **Clin Physiol Biochem** 1987;5(3–4):179–89

Human steroid receptors and erbA proto-oncogene products: members of a new superfamily of enhancer binding proteins. Weinberger C, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:759–72

The mouse glucocorticoid receptor: mapping of functional domains by cloning, sequencing and expression of wild-type and mutant receptor proteins. Danielsen M, et al. **EMBO J** 1986 Oct;5(10):2513–22

Tissue-specific regulation of glucocorticoid receptor mRNA

by dexamethasone. Kalinyak JE, et al. **J Biol Chem** 1987 Aug 5;262(22):10441–4

Genetics of glucocorticoid receptors. Gehring U. **Mol Cell Endocrinol** 1986 Dec;48(2–3):89–96 (58 ref.)

RFLP for the glucocorticoid receptor (GRL) located at 5q11–5q13. Murray JC, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6765

Cloning of human mineralocorticoid receptor complementary DNA: structural and functional kinship with the glucocorticoid receptor. Arriza JL, et al. **Science** 1987 Jul 17;237(4812):268–75

Glucocorticoid receptor mutants that define a small region sufficient for enhancer activation. Miesfeld R, et al. **Science** 1987 Apr 24;236(4800):423–7

Complementation between glucocorticoid receptor and lymphocytolysis in somatic cell hybrids of two glucocorticoid-resistant human leukemic clonal cell lines. Yuh YS, et al. **Somatic Cell Mol Genet** 1987 Jan;13(1):33–45

IMMUNOLOGY

Immunochemical comparison of mutant glucocorticoid receptors and wild type receptor fragments produced by neutrophil elastase and chymotrypsin. Rehmus EH, et al. **J Steroid Biochem** 1987 Aug;28(2):167–77

Glucocorticoid receptor-like antigen in lymphoma cell membranes: correlation to cell lysis. Gametchu B. **Science** 1987 Apr 24;236(4800):456–61

[Preparation of an anti-idiotypic antibody directed against anti-dexamethasone antibody and demonstration of its ability to acknowledge the receptor of glucocorticoids] Hammadi H, et al. **C R Acad Sci [III]** 1987;304(11):291–6 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Absence of detectable ribonucleic acid in the purified, untransformed mouse glucocorticoid receptor. Kovačič-Milivojević B, et al. **Biochemistry** 1986 Dec 16; 25(25):8266–73

Characterization of glucocorticoid receptors and glucocorticoid receptor mRNA in human leukemia cells: stabilization of the receptor by diisopropylfluorophosphate. Distelhorst CW, et al. **Blood** 1987 Mar;69(3):750–6

The presence of corticosteroid receptor activity in the gills of the brook trout, Salvelinus fontinalis. Chakraborti PK, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):323–32

Protein kinase activity can be separated from the purified activated rat liver glucocorticoid receptor. Perlić O, et al. **J Biol Chem** 1987 Aug 25;262(24):11688–91

The goat blood binder of triamcinolone acetonide does not interfere with glucocorticoid receptor purification from mammary tissue. Tamic L, et al. **J Recept Res** 1986; 6(5–6):475–87

METABOLISM

Modulation of collagen metabolism in cultured human skin fibroblasts by dexamethasone: correlation with glucocorticoid receptor density. Oikarinen A, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):106–15

Generalized unresponsiveness to mineralocorticoid hormones: familial recessive pseudohypoaldosteronism due to aldosterone-receptor deficiency. Bosson D, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:376–80

Androstene-17-thioketals. 1st communication: glucocorticoid receptor binding, antiproliferative and antiinflammatory activities of some novel 20-thiasteroids (androstene-17-thioketals). Wojnar RJ, et al. **Arzneimittelforschung** 1986 Dec;36(12):1782–7

pBR322 contains glucocorticoid regulatory element DNA consensus sequences. Tully DB, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):1–10

Cytosol glucocorticoid receptor in the neoplastic epithelial duct cell line from human salivary gland (HSG). Kurokawa R, et al. **Biochem Int** 1986 Oct;13(4):671–9

Changes in glucocorticoid receptors in different regions of brain of immature and mature male rats. Sharma R, et al. **Biochem Int** 1986 Oct;13(4):609–14

Characterization and sequence-specific binding to mouse mammary tumor virus DNA of purified activated human glucocorticoid receptor. Brönnegård M, et al. **Biochemistry** 1987 Mar 24;26(6):1697–704

Rat liver glucocorticoid receptor isolated by affinity chromatography is not a $Mg2+$– or $Ca2+$–dependent protein kinase. Hapgood JP, et al. **Biochemistry** 1986 Nov 18;25(23):7529–34

Effects of bovine pancreatic ribonuclease A, S protein, and S peptide on activation of purified rat hepatic glucocorticoid–receptor complexes. Schmidt TJ, et al. **Biochemistry** 1986 Oct 7;25(20):5955–61

Structural organization of the human glucocorticoid receptor determined by one- and two-dimensional gel electrophoresis of proteolytic receptor fragments. Smith AC, et al. **Biochemistry** 1987 Jan 27;26(2):646–52

A 59-kilodalton protein associated with progestin, estrogen, androgen, and glucocorticoid receptors. Tai PK, et al. **Biochemistry** 1986 Sep 9;25(18):5269–75

Microheterogeneity of agonist and antagonist glucocorticoid receptor complexes detected by isoelectric focusing and modifications induced by receptor activation. Danze PM, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):129–38

Transformation of glucocorticoid–receptor complex oligomers to DNA-binding forms in the absence of monomerization. Rossini GP. **Biochim Biophys Acta** 1987 Apr 16;924(1):119–26

The inhibition of commitment of mouse erythroleukemia cells by steroids involves a glucocorticoid–receptor mediated process(es) acting at the nuclear level. Tsiftsoglou A, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):251–61

The ability to convert the 4 S glucocorticoid receptor to the 7–8 S form is dependent on both RNA and protein factors. Tymoczko JL, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):114–21

Neutrophil elastase produces 52-kD and 30-kD glucocorticoid receptor fragments in the cytosol of human leukemia cells. Distelhorst CW, et al. **Blood** 1987 Sep; 70(3):860–8

A comparison of the glucocorticoid receptor system in the spinal cord and hippocampus. Moses DF, et al. **Brain Res** 1987 Apr 7;408(1–2):118–24

Colocalization of DNA-binding and transcriptional activation functions in the human glucocorticoid receptor. Hollenberg SM, et al. **Cell** 1987 Apr 10;49(1):39–46

Nuclear localization of type I aldosterone binding sites in steroid–unexposed GH3 cells. Pearce PT, et al. **Clin Exp Pharmacol Physiol** 1986 Sep;13(9):647–54

High-affinity aldosterone binding in rat liver—a re-evaluation. Zaini A, et al. **Clin Exp Pharmacol Physiol** 1987 Jan;14(1):39–45

Functional dissection of the hormone and DNA binding activities of the glucocorticoid receptor. Rusconi S, et al. **EMBO J** 1987 May;6(5):1309–15

Biochemistry, molecular biology, and physiology of the glucocorticoid receptor. Gustafsson JA, et al. **Endocr Rev** 1987 May;8(2):185–234 (455 ref.)

Glucocorticoid receptor of rat mammary gland during pregnancy and lactation. Alexandrová M. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):293–300

Receptor binding in the rat liver nuclear matrix. Satoh Y, et al. **Endocrinol Jpn** 1986 Oct;33(5):551–60

Receptor dynamics and tyrosine aminotransferase induction during the course of chronic treatment of rats with glucocorticoid. Yoshida A, et al. **Endocrinol Jpn** 1986 Dec; 33(6):769–75

Tissue-specific dopaminergic regulation of the glucocorticoid receptor in the rat pituitary. Antakly T, et al. **Endocrinology** 1987 Apr;120(4):1558–62

Analysis of the disruptive action of an epididymal protease and the stabilizing influence of molybdate on nondenatured and denatured glucocorticoid receptor. Hendry WJ 3d, et al. **Endocrinology** 1987 Feb;120(2):629–39

Glucocorticoid receptor–mediated induction of glutamine synthetase in skeletal muscle cells in vitro. Max SR, et al. **Endocrinology** 1987 Mar;120(3):1179–83

Transformation in vitro and covalent modification with biotin of steroid–affinity–purified rat–liver glucocorticoid–hormone–receptor complex. Hapgood JP, et al. **Eur J Biochem** 1987 Jul 15;166(2):415–20

Glucocorticoid receptors in chick embryos: properties and ontogeny of the nuclear renal receptor. Gendreau P, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):58–66

Glucocorticoid negative feedback and glucocorticoid receptors after hippocampectomy in rats. Magariños AM, et al. **Horm Metab Res** 1987 Mar;19(3):105–9

The effect of alkaline phosphatase on the activation of glucocorticoid–receptor complexes in rat liver cytosol. Matić G, et al. **Int J Biochem** 1986;18(9):841–5

Glucocorticoid receptors in thromboangiitis obliterans. Krasznai A, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):363–5

Interaction of RNA with transformed glucocorticoid receptor. I. Isolation and purification of the RNA. Ali M, et al. **J Biol Chem** 1987 May 15;262(14):6771–7

Interaction of RNA with transformed glucocorticoid receptor. II. Identification of the RNA as transfer RNA. Ali M, et al. **J Biol Chem** 1987 May 15;262(14):6778–84

The receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin in the mouse hepatoma cell line Hepa 1c1c7. A comparison with the glucocorticoid receptor and the mouse and rat hepatic dioxin receptors. Cuthill S, et al. **J Biol Chem** 1987 Mar 15;262(8):3477–81

Activation of cytosolic glucocorticoid–receptor complexes in intact WEHI-7 cells does not dephosphorylate the steroid–binding protein. Mendel DB, et al. **J Biol Chem** 1987 Apr 25;262(12):5644–8

In vitro modulation of rat liver glucocorticoid receptor by urea. Moudgil VK, et al. **J Biol Chem** 1987 Apr 15; 262(11):5180–7

Relationship of the 90-kDa murine heat shock protein to the untransformed and transformed states of the L cell glucocorticoid receptor. Sanchez ER, et al. **J Biol Chem** 1987 May 25;262(15):6986–91

Identification of cysteine 656 as the amino acid of hepatoma tissue culture cell glucocorticoid receptors that is covalently labeled by dexamethasone 21-mesylate. Simons SS Jr, et al. **J Biol Chem** 1987 Jul 15;262(20):9676–80

Selective covalent labeling of cysteines in bovine serum albumin and in hepatoma tissue culture cell glucocorticoid receptors by dexamethasone 21-mesylate. Simons SS Jr. **J Biol Chem** 1987 Jul 15;262(20):9669–75

Analysis of glucocorticoid receptor activation by high resolution two-dimensional electrophoresis of affinity-labeled receptor. Smith AC, et al. **J Biol Chem** 1986 Oct 5;261(28):13285–92

The role of sulfhydryl groups in permitting transformation and DNA binding of the glucocorticoid receptor. Tienrungroj W, et al. **J Biol Chem** 1987 May 25; 262(15):6992–7000

Polyanionic-binding properties of the receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin. A comparison with the glucocorticoid receptor. Wilhelmsson A, et al. **J Biol Chem** 1986 Oct 15;261(29):13456–63

Aldosterone receptors in different types of primary hyperaldosteronism. Armanini D, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):101–4

Decreased deoxyribonucleic acid binding of glucocorticoid–receptor complex in cultured skin fibroblasts from a patient with the glucocorticoid resistance syndrome. Nawata H, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):219–26

Primary cortisol resistance associated with a thermolabile glucocorticoid receptor in a patient with fatigue as the only symptom. Brönnegård M, et al. **J Clin Invest** 1986 Nov; 78(5):1270–8

Glucocorticoid receptors and corticosensitivity of human thymocytes at discrete stages of intrathymic differentiation. Ranelletti FO, et al. **J Immunol** 1987 Jan 15;138(2):440–5

Monokines mediate decreased hepatic glucocorticoid binding in endotoxemia. Hill MR, et al. **J Leukocyte Biol** 1987 Mar; 41(3):236–41

Muscle and thymus cell–free glucocorticoid receptor systems are different. Tufariello J, et al. **J Recept Res** 1986; 6(5–6):411–24

Physicochemical characteristics of the interaction of the glucocorticoid antagonist RU38486 with glucocorticoid receptors in vitro, and the role of molybdate. Bell PA, et al. **J Steroid Biochem** 1986 Oct;25(4):473–81

Nuclear translocation of lymphoblast glucocorticoid receptors in childhood leukemia does not predict steroid responsiveness. Costlow ME, et al. **J Steroid Biochem** 1987 Jan;26(1):15–8

In vivo competitive autoradiographic study of [3H]corticosterone and [3H]aldosterone binding sites within mouse brain hippocampus. Coutard M, et al. **J Steroid Biochem** 1987 Jul;28(1):29–34

Function and plasticity of brain corticosteroid receptor systems: action of neuropeptides. de Kloet ER, et al. **J Steroid Biochem** 1986 Nov;25(5B):723–31

Circadian variation of cytosol glucocorticoid receptors in human polymorphonuclear leukocytes (PMN) and mononuclear cells (MN) in a normal population. Doe RP, et al. **J Steroid Biochem** 1986 Oct;25(4):483–7

Analysis of the relation between receptor binding affinity and antagonist efficacy of antiglucocorticoids. Gagne D, et al. **J Steroid Biochem** 1986 Sep;25(3):315–22

Plasma concentrations and receptor binding of RU 486 and its metabolites in humans. Heikinheimo O, et al. **J Steroid Biochem** 1987 Feb;26(2):279–84

Increased glucocorticoid/androgen receptor ratios in denervated striated muscle. Hughes BJ, et al. **J Steroid Biochem** 1986 Nov;25(5A):695–9

Sodium molybdate converts the RNA-associated transformed, oligomeric form of the glucocorticoid receptor into the transformed, monomeric form. Kasayama S, et al. **J Steroid Biochem** 1987 Jul;28(1):1–8

Developmental changes of glucocorticoid receptors in the rat pancreas. Lu RB, et al. **J Steroid Biochem** 1987 Feb; 26(2):213–8

Characterization of steroid receptors in the gut and kidney of the frog (Rana catesbeiana) and in the gut of the turtle (Chrysemys picta). Mehi AZ, et al. **J Steroid Biochem** 1987 May;26(5):627–39

Steroid hormone antagonism and a cyclic model of receptor kinetics. Munck A, et al. **J Steroid Biochem** 1987 Feb; 26(2):173–9

Affinity of corticosteroids for mineralocorticoid and glucocorticoid receptors of the rabbit kidney: effect of steroid substitution. Rafestin-Oblin ME, et al. **J Steroid Biochem** 1986 Oct;25(4):527–34

Glucocorticoid receptors bound to the antagonist RU486 are not downregulated despite their capacity to interact in vitro with defined gene regions. Rajpert EJ, et al. **J Steroid Biochem** 1987 May;26(5):513–20

A possible role for dephosphorylation in glucocorticoid receptor transformation. Reker CE, et al. **J Steroid Biochem** 1987 Jun;26(6):653–65

Physical characterization of the activated and non-activated forms of the glucocorticoid–receptor complex bound to the steroid antagonist [3H]RU 486. Sablonniere B, et al. **J Steroid Biochem** 1986 Nov;25(5A):605–14

Autoradiographic localization of glucocorticosteroid and progesterone binding sites in the human post-mortem brain. Sarrieau A, et al. **J Steroid Biochem** 1986 Nov; 25(5B):717–21

Analysis of the glucocorticoid antagonist action of dexamethasone 21-mesylate in HeLa S3 cells. Scheible PP, et al. **J Steroid Biochem** 1987 Feb;26(2):181–7

The antiglucocorticoid, cortexolone, fails to promote in vitro activation of cytoplasmic glucocorticoid receptors from the human leukemic cell line CEM-C7. Schmidt TJ, et al. **J Steroid Biochem** 1987 Mar;26(3):329–36

Interactions between glucocorticoid receptor–bearing chromatin and antireceptor antibody preparations. Sun LH, et al. **J Steroid Biochem** 1987 Jan;26(1):83–92

Decreased glucocorticoid binding and receptor activation in brain of genetically diabetic (MDB/MDB) mice. Webb ML, et al. **J Steroid Biochem** 1986 Nov;25(5A):649–57

A physico-chemical comparison of aortic receptors in rat hypertension models. Meyer WJ 3d, et al. **Life Sci** 1986 Oct 6;39(14):1231-6

Regulatory changes in glucocorticoid receptors in the skeletal muscle of immature and mature male rats [published erratum appears in Mech Ageing Dev 1987 May;38(3):295] Sharma R, et al. **Mech Ageing Dev** 1986-87 Jan;37(3):249-56

A distinct glucocorticoid hormone response regulates phosphoprotein maturation in rat hepatoma cells. Karlsen K, et al. **Mol Cell Biol** 1986 Feb;6(2):574-85

In vitro evidence that hypothyroidism modifies glucocorticoid receptors. Leseney AM, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):1-10

Molybdate inhibits glucocorticoid-receptor complex binding to RNA. Rossini GP. **Mol Cell Endocrinol** 1987 Feb; 49(2-3):129-35

In vivo protein-DNA interactions in a glucocorticoid response element require the presence of the hormone. Becker PB, et al. **Nature** 1986 Dec 18-31;324(6098):686-8

Antiglucocorticosteroid effects suggest why steroid hormone is required for receptors to bind DNA in vivo but not in vitro. Groyer A, et al. **Nature** 1987 Aug 13-19; 328(6131):624-6

Glucocorticoid receptors lacking hormone-binding activity are bound in nuclei of ATP-depleted cells. Mendel DB, et al. **Nature** 1986 Dec 4-10;324(6096):478-80

Steroid-free glucocorticoid receptor binds specifically to mouse mammary tumour virus DNA. Willmann T, et al. **Nature** 1986 Dec 18-31;324(6098):688-91

Adrenocorticoid receptors in C6 glioma cells: effects on cell growth. Beaumont K. **Neurochem Res** 1987 Aug; 12(8):701-4

Receptor binding of corticosterone in some rat brain structures following neonatal blockade of the hypophyseoadrenal system. Garina IA, et al. **Neurosci Behav Physiol** 1986 Sep-Oct;16(5):448-51

Glucocorticoid and progesterone receptors in yolk sac placenta. Carbone JP, et al. **Placenta** 1986 Sep-Oct; 7(5):425-41

Glucocorticoid receptor immunoreactivity in monoaminergic neurons of rat brain. Härfstrand A, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9779-83

Genomic sequencing reveals a positive correlation between the kinetics of strand-specific DNA demethylation of the overlapping estradiol/glucocorticoid-receptor binding sites and the rate of avian vitellogenin mRNA synthesis. Saluz HP, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7167-71

Application of a protein-blotting procedure to the study of human glucocorticoid receptor interactions with DNA. Silva CM, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):1744-8

Competitive inhibition of [3H]dexamethasone binding to mammary glucocorticoid receptor by leupeptin. Hsieh LC, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):295-9

Down-regulation of glucocorticoid and beta-adrenergic receptors on lectin-stimulated splenocytes. Westly HJ, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):211-8

A study of the glucocorticoid receptor of the cytosol and nuclei in nonlethally and lethally scalded rats. Xu RB, et al. **Sci Sin [B]** 1986 Mar;29(3):265-71

The glucocorticoid receptor protein binds to transfer RNA. Ali M, et al. **Science** 1987 Jan 23;235(4787):467-70

Circadian and seasonal variations of glucocorticoid receptors in normal human lymphocytes. Schlaghecke R, et al. **Steroids** 1986 Apr-May;47(4-5):287-94

Glucocorticoid receptor-mediated teratogenesis and cell proliferation in the limbs and face of the chick embryo. Pavlík A, et al. **Teratogenesis Carcinog Mutagen** 1986; 6(5):441-50

Corticosteroid binding in human artery. Sasano H, et al. **Tohoku J Exp Med** 1986 Oct;150(2):117-25

[Circadian rhythm of the glucocorticoid receptor in normal human leukocytes] Zhang JQ. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):96-7 **(Chi)**

[Determination of half-life and characterization of the glucocorticoid receptor of isolated splenic cells in mice] Guo Z, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Sep; 19(3):321-5 (Eng. Abstr.) **(Chi)**

[Pseudohypoaldosteronism--renal salt loss syndrome. Therapy and course exemplified by 2 siblings] Butenandt I, et al. **Monatsschr Kinderheilkd** 1986 Aug;134(8):544-6 (Eng. Abstr.) **(Ger)**

[DNA methylation and interaction with glucocorticoid receptor complexes in the rat liver] Zhavoronkova EN, et al. **Biokhimiia** 1987 May;52(5):870-7 (Eng. Abstr.) **(Rus)**

[Interstrain differences in cellular glucocorticoid reception in mice and the degree of suppression of normal killer activity during immobilization stress] Liashko VN, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):273-6 (Eng. Abstr.) **(Rus)**

[Changes in corticosterone binding by receptors in various structures of the rat brain during immobilization stress] Zhukov DA. **Fiziol Zh SSSR** 1987 Apr;73(4):465-8 (Eng. Abstr.) **(Rus)**

[Effect of physical exercise on the level of the non-activated form of glucocorticoid receptor in cytosol and phosphorylation of non-histone proteins of the myocardium] Kyrge PK, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):44-8 (Eng. Abstr.) **(Rus)**

[Changes in the level of glucocorticoid receptors in rat tissues on exogenous and endogenous increases in glucocorticoid levels] Golikov PP, et al. **Vopr Med Khim** 1986 Jul-Aug; 32(4):51-4 (Eng. Abstr.) **(Rus)**

[Interaction of glucocorticoids with receptors of rat liver cells during the growth of Walker carcinosarcoma] Krauialis KI, et al. **Vopr Med Khim** 1987 Jan-Feb; 33(1):33-40 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hippocampal and renal type I receptors are differentially regulated. Stephenson G, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):E525-9

Enhancer binding proteins predicted by informational spectrum method. Cosić I, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):831-8

Molecular model of the interaction between the glucocorticoid receptor and the regulatory elements of inducible genes. Scheidereit C, et al. **DNA** 1986 Oct; 5(5):383-91

Receptor-mediated pharmacodynamics of prednisolone in the rat. Boudinot FD, et al. **J Pharmacokinet Biopharm** 1986 Oct;14(5):469-93

Glucocorticoid mechanism of action: monoclonal antibodies as experimental tools. Wikström AC, et al. **Med Oncol Tumor Pharmacother** 1986;3(3-4):185-96 (103 ref.)

Glucocorticoid receptor mutants that are constitutive activators of transcriptional enhancement [published erratum appears in Nature 1987 Mar 5-11;326(6108):105] Godowski PJ, et al. **Nature** 1987 Jan 22-28;325(6102):365-8

Mineralocorticoid regulation of salt intake is preserved in hippocampectomized rats. Magariños AM, et al. **Neuroendocrinology** 1986;44(4):494-7

Adrenal steroid receptors and actions in the nervous system. McEwen BS, et al. **Physiol Rev** 1986 Oct;66(4):1121-88 (444 ref.)

Glucocorticoid inhibition of transcription from episomal proopiomelanocortin gene promoter. Charron J, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8903-7

Feedback action and tonic influence of corticosteroids on brain function: a concept arising from the heterogeneity of brain receptor systems. De Kloet ER, et al. **Psychoneuroendocrinology** 1987;12(2):83-105

[Studies on the glucocorticoid receptor in human peripheral lymphocytes. II. Regulation by glucocorticoid] Oshima H. **Nippon Naibunpi Gakkai Zasshi** 1986 Nov 20; 62(11):1298-305 (Eng. Abstr.) **(Jpn)**

[The system of regulation of aldosterone secretion in old rats] Frol'kis VV, et al. **Probl Endokrinol (Mosk)** 1987 Jan-Feb; 33(1):63-6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Effect of decimeter waves on glucocorticoid reception in the liver of the rat] Gontar' EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Nov-Dec; (6):21-4 (Eng. Abstr.) **(Rus)**

RECEPTORS, GNRH see **RECEPTORS, GONADOLIBERIN**

RECEPTORS, GONADOLIBERIN

ANALYSIS

Absence of specific luteinizing hormone-releasing hormone (LHRH) receptors in the ovaries of Djungarian hamsters (Phodopus sungorus). Theuring F, et al. **Biol Reprod** 1987 May;36(4):825-8

Gonadotropin-releasing hormone (GnRH)-binding sites in human breast cancer cell lines and inhibitory effects of GnRH antagonists. Eidne KA, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):425-32

Specific binding sites for gonadotrophin-releasing hormone, LH/chorionic gonadotrophin, low-density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. II: Concentrations throughout the luteal phase of the menstrual cycle and early pregnancy. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):317-27

Effects of castration or testosterone implants upon pituitary function in hypogonadal mice bearing normal foetal preoptic area grafts. Charlton HM, et al. **Neuroendocrinology** 1987 May;45(5):376-80

Possible recognition of the GnRH receptor by an antiserum against a peptide encoded by nucleotide sequence complementary to mRNA of a GnRH precursor peptide. Görcs TJ, et al. **Peptides** 1986 Nov-Dec;7(6):1137-45

[Demonstration and topographical distribution of LHRH receptors in the central nervous system in the normal and castrated male rat] Haour F, et al. **C R Acad Sci [III]** 1987; 305(2):41-4 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Blockade of rat testicular gonadotropin releasing hormone (GnRH) receptors by infusion of a GnRH antagonist has no major effects of Leydig cell function in vivo. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1987 Feb; 49(2-3):89-97

GENETICS

Antibodies to the binding site of the receptor for luteinizing hormone-releasing hormone (LHRH): generation with a synthetic decapeptide encoded by an RNA complementary to LHRH mRNA. Mulchahey JJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9714-8

ISOLATION & PURIFICATION

Solubilization and purification of rat pituitary gonadotropin-releasing hormone receptor. Hazum E, et al. **J Biol Chem** 1986 Oct 5;261(28):13043-8

METABOLISM

LH-releasing activity and receptor binding of pHGnRH 14-26 analogues. Milton SC, et al. **Biochem Biophys Res Commun** 1987 Mar 30;143(3):872-9

Characterization of gonadotropin-releasing hormone (GnRH) binding to pituitary receptors in goldfish (Carassius auratus). Habibi HR, et al. **Biol Reprod** 1987 May;36(4):844-53

Binding and internalization of native gonadoliberin (GnRH) by anterior pituitary gonadotrophs of the rat. A quantitative autoradiographic study after cryoultramicrotomy. Morel G, et al. **Cell Tissue Res** 1987 Jun;248(3):541-50

Ovarian adrenergic nerves directly participate in the control of luteinizing hormone-releasing hormone and beta-adrenergic receptors during puberty: a biochemical and autoradiographic study. Marchetti B, et al. **Endocrinology** 1987 Jul;121(1):219-26

Production and characterization of antibodies to gonadotropin-releasing hormone receptor. Hazum E, et al. **J Biol Chem** 1987 Jan 15;262(2):531-4

Topographical localization of the receptors for luteinizing hormone-releasing hormone on the surface of dissociated pituitary cells. Hopkins CR, et al. **J Cell Biol** 1977 Nov; 75(2 Pt 1):528-40

Dissociation between pituitary GnRH binding sites and LH response to GnRH in vitro. Abbot SD, et al. **Mol Cell Endocrinol** 1986 Dec;48(2-3):191-7

Dynamics of LHRH binding to human term placental cells from normal and anencephalic gestations. Bélisle S, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):195-202

Specific luteinizing-hormone-releasing hormone receptor binding sites in hippocampus and pituitary: an autoradiographical study. Reubi JC, et al. **Neuroscience** 1987 Jun;21(3):847-56

Receptor-mediated uptake of GnRH agonist and antagonists by cultured gonadotropes: evidence for differential intracellular routing. Jennes L, et al. **Peptides** 1986 May-Jun;7(3):459-63

PHYSIOLOGY

Gonadotropin-releasing hormone (GnRH) receptor dynamics and gonadotrope responsiveness during and after continuous GnRH stimulation. Adams TE, et al. **Biol Reprod** 1986 Nov;35(4):881-9

Stimulation of luteinizing hormone (LH) release and phospholipid breakdown by guanosine triphosphate in permeabilized pituitary gonadotropes: antagonist action suggests association of a G protein and gonadotropin-releasing hormone receptor. Andrews WV, et al. **Endocrinology** 1986 Dec;119(6):2537-46

Agents that decrease gonadotropin-releasing hormone (GnRH) receptor internalization do not inhibit GnRH-mediated gonadotrope desensitization. Gorospe WC, et al. **Endocrinology** 1987 Jan;120(1):222-9

Rapid recovery of gonadotroph function after down-regulation of receptors for GnRH in ewes. Crowder ME, et al. **J Reprod Fertil** 1986 Nov;78(2):577-85

RECEPTORS, GONADOTROPIN

ANALYSIS

Characterization of gonadotrophin receptors in a testosterone-producing ovarian androblastoma. Case report. Siegberg R, et al. **Br J Obstet Gynaecol** 1986 Oct; 93(10):1104-7

ISOLATION & PURIFICATION

Subunits of luteinizing hormone-human chorionic gonadotropin receptor from bovine corpora lutea. Saxena BB, et al. **Biochemistry** 1986 Dec 2;25(24):7943-50

Autoradiographic localization of gonadotrophin receptors in ovaries of the common carp, Cyprinus carpio L. Bieniarz K, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):151-6

METABOLISM

Porcine follicular fluid containing water-soluble LH/hCG receptor. Kolena J, et al. **Arch Int Physiol Biochim** 1986 Nov;94(4):261-70

Relationships between histological signs of atresia, steroids in follicular fluid, and gonadotropin binding in individual bovine antral follicles during postpartum anovulation. Spicer LJ, et al. **Biol Reprod** 1987 May;36(4):890-8

Hypothalamic GnRH and pituitary gonadotroph relationships during rat fetal life. Nemeskéri A, et al. **Exp Clin Endocrinol** 1986 Dec;88(3):275-84

Gonadotropin hormone (GtH) receptors in the ovary of the brown trout Salmo trutta L. in vitro studies. Breton B, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):163-71

Gonadotropin receptors in the postovulatory ovary of amago salmon (Oncorhynchus rhodurus). Kanamori A, et al.

Gen Comp Endocrinol 1987 May;66(2):210–7
Antibody binding to the beta-subunit of deglycosylated chorionic gonadotropin converts the antagonist to an agonist. Rebois RV, et al. **J Biol Chem** 1987 Mar 15; 262(8):3891–6
Developmental changes in gonadotrophins and testicular gonadotrophin receptors in the pig, from neonatal to adult life. Vandalem JL, et al. **J Endocrinol** 1986 Nov; 111(2):301–8
Receptor binding properties and biologic action of deglycosylated human chorionic gonadotropin in human ovary and testis. Ranta T, et al. **Obstet Gynecol** 1987 Aug; 70(2):171–4
Effects of cycloheximide during the periovulatory period on ovarian follicular FSH, hCG, and prolactin receptors and on follicular maturation in the hamster. Wang SC, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):55–61

PHYSIOLOGY

Effects of N-ethylmaleimide on gonadotropin and beta-adrenergic receptor function coupled to rabbit luteal adenylyl cyclase. Sigafoos JF, et al. **Endocrinology** 1986 Oct;119(4):1432–8

RECEPTORS, HISTAMINE

ANALYSIS

H3 receptor assay in electrically-stimulated superfused slices of rat brain cortex; effects of N alpha-alkylated histamines and impromidine analogues. van der Werf JF, et al. **Agents Actions** 1987 Apr;20(3–4):239–43
Solubilization and characterization of moderate and high affinity histamine binding sites on human blood mononuclear cells. Warlow RS, et al. **Mol Immunol** 1987 Jan;24(1):27–37
Distribution of neurotransmitter binding sites in the cat median eminence. Seybold VS, et al. **Neuroendocrinology** 1987 Jun;46(1):32–8
Histamine receptors in the lung. Braman SS. **New Engl Reg Allergy Proc** 1987 Mar–Apr;8(2):116–20 (49 ref.)
Identification of histamine-receptor leukocytes in the bovine. Anderson GA, et al. **Vet Res Commun** 1987;11(1):77–82
[Studies of histamine receptors in the retina in mammals] Nowak JZ. **Klin Oczna** 1986 Jun;88(6):189–91 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Central histaminergic stimulation of corticosterone and hyperlipemic responses after chronic ethanol consumption in rats. Gadek A, et al. **Agents Actions** 1987 Apr; 20(3–4):258–61
Affinity of pyridylalkylamines for nicotinic, muscarinic and histaminic recognition sites in brain tissue preparations. Repond C, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1191–4
1,4-Dithiothreitol-induced changes in histamine H1-agonist efficacy and affinity in the longitudinal smooth muscle of guinea-pig ileum. Donaldson J, et al. **Br J Pharmacol** 1987 Jan;90(1):263–71
Further characterization of the receptors involved in the positive inotropic effect of histamine on rabbit papillary muscle. Elizalde A, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1484–8
Clinical evaluation of the simultaneous blockade of the dopamine D-2, histamine H-1, and muscarinic cholinergic receptors in cancer chemotherapy-induced emesis: results of a controlled trial. Martin-Jimenez M, et al. **Cancer Chemother Pharmacol** 1986;18(2):168–71
1,4-Dithiothreitol-induced alteration in histamine H1-agonist binding in guinea-pig cerebellum and cerebral cortex. Donaldson J, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):25–31
Some effects of oestrogens on [3H]-mepyramine binding in rat brain. Anuka JA, et al. **Methods Find Exp Clin Pharmacol** 1986 Nov;8(11):655–60
Neonatal ethanol exposure to rat pups: resultant alterations of cortical muscarinic and cerebellar H1-histaminergic receptor binding dynamics. Serbus DC, et al. **Neurotoxicology** 1986 Summer;7(2):257–78
[Selective stimulation of histamine H3 autoreceptors] Arrang JM, et al. **C R Acad Sci [III]** 1987;304(1):11–4 (Eng. Abstr.) **(Fre)**
[Effect of stimulation of dopamine and histamine receptors on spontaneous lymphocyte adhesion in vitro] Kharkevich DD. **Biull Eksp Biol Med** 1987 Jun;103(6):703–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Histamine receptor-bearing lymphocytes (HRL). VIII. Splenopentin-accelerated reconstitution of the immunoresponsiveness after elimination of HRL. Eckert R, et al. **Allerg Immunol (Leipz)** 1986;32(4):267–70
[Histamine receptor-bearing lymphocytes. VII. Antibody formation and graft-vs-host reaction from spleen cells after separation on histamine affinity columns] Eckert R, et al. **Allerg Immunol (Leipz)** 1986;32(4):259–66 (Eng. Abstr.) **(Ger)**

METABOLISM

Evidence for both histamine H1 and H2 receptors on human articular chondrocytes. Taylor DJ, et al. **Ann Rheum Dis** 1987 Jun;46(6):431–5
Regulation of inositol trisphosphate accumulation by muscarinic cholinergic and H1-histamine receptors on human astrocytoma cells. Differential induction of desensitization by agonists. Nakahata N, et al. **Biochem J** 1987 Jan 15;241(2):337–44
Serotonergic, adrenergic and histaminergic receptors coupled to phospholipase C in cultured cerebellar granule cells of rats. Xu J, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2353–8
Regional variation in the characteristics of histamine H1-agonist mediated breakdown of inositol phospholipids in guinea-pig brain. Carswell H, et al. **Br J Pharmacol** 1986 Dec;89(4):809–17
Chemotherapeutic agents do not interact with neurotransmitter receptors. Peroutka SJ. **Cancer Chemother Pharmacol** 1987;19(2):131–2
HA autoreceptor assay with superfused slices of rat brain cortex and electrical stimulation. Van der Werf JF, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):199–206
Evidence against conversion of histamine H1 to H2 receptors in the guinea-pig ileum at low temperatures [letter] Gandhi TP, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar; 30(1):111–4
Analysis of receptor reserves in canine tracheal smooth muscle. Gunst SJ, et al. **J Appl Physiol** 1987 Apr; 62(4):1755–8
Role of receptors in metabolic interaction of histamine with human vascular endothelial cells and skin fibroblasts. An ordered sequence of enzyme action. Haddock RC, et al. **J Biol Chem** 1987 Jul 25;262(21):10220–8
Characterization of histamine H1 and H2 receptors in the rabbit isolated ovarian artery and vein. Oriowo MA, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):76–81
Enhancement of histamine H1-receptor agonist activity by 1,4-dithiothreitol in guinea-pig cerebellum and cerebral cortex. Donaldson J, et al. **J Neurochem** 1986 Nov; 47(5):1476–82
Suppression by muscarinic M2 stimulation of the contractile mechanism via histamine H1 receptors in the longitudinal muscle of guinea pig ileum. Ishii K, et al. **J Pharmacol Exp Ther** 1987 May;241(2):587–93
Antipsychotic drugs: prediction of side-effect profiles based on neuroreceptor data derived from human brain tissue. Black JL, et al. **Mayo Clin Proc** 1987 May;62(5):369–72
A single GTP-binding protein regulates K+-channels coupled with dopamine, histamine and acetylcholine receptors. Sasaki K, et al. **Nature** 1987 Jan 15–21; 325(6101):259–62
Histamine receptors in the brain. Garbarg M, et al. **New Engl Reg Allergy Proc** 1985 Spring;6(2):195–200
Receptor and tissue specific derivatives of histamine: novel immune modulators. Khan MM, et al. **Proc West Pharmacol Soc** 1987;30:383–7

PHARMACODYNAMICS

The antiproliferative properties of tamoxifen and phenothiazines may be mediated by a unique histamine receptor (?H3) distinct from the calmodulin-binding site. Brandes LJ, et al. **Cancer Chemother Pharmacol** 1986; 18(1):21–3

PHYSIOLOGY

Experimental renal anaphylaxis: release of histamine and study of its effect on renal perfusion. Assem ES, et al. **Agents Actions** 1987 Apr;20(3–4):295–8
Participation of vascular H1-receptors in histaminergic relaxation of rabbit middle cerebral artery in vitro. Kim LE, et al. **Arch Int Pharmacodyn Ther** 1986 Oct; 283(2):282–94
Regulatory effects of mast cells on lymphoid cells: the role of histamine type 1 receptors in the interaction between mast cells, helper T cells and natural suppressor cells. Khan MM, et al. **Cell Immunol** 1986 Nov;103(1):41–53
Muscarinic cholinergic and histaminergic H1 and H2 receptors are not involved in the LH response to naloxone in man. Chiodera P, et al. **Horm Res** 1987;25(2):120–4
Involvement of histamine receptors in mediation of histamine induced thermoregulatory response in rats. Dey PK, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):300–6
Histamine type I receptor occupancy increases endothelial cytosolic calcium, reduces F-actin, and promotes albumin diffusion across cultured endothelial monolayers. Rotrosen D, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2379–87
Properties and roles of the three subclasses of histamine receptors in brain. Schwartz JC, et al. **J Exp Biol** 1986 Sep;124:203–24
Oscillatory activation of calcium-dependent potassium channels in HeLa cells induced by histamine H1 receptor stimulation: a single-channel study. Sauvé R, et al. **J Membr Biol** 1987;96(3):199–208
The role of H1- and H2-receptors in the modulatory effects of histaminergic agents on adrenergic neurotransmission in rat vas deferens. Todorov S, et al. **Methods Find Exp Clin Pharmacol** 1986 Dec;8(12):705–9
Further evidence for the distribution and nature of histamine receptors on microvascular endothelium. Antohe F, et al. **Microcirc Endothelium Lymphatics** 1986;3(2):163–85
Effects of histamine on the metabolism of isolated rat hepatocytes: roles of H1- and H2-histamine receptors. García-Sáinz JA, et al. **Mol Pharmacol** 1987 Mar; 31(3):253–8
Highly potent and selective ligands for histamine H3-receptors. Arrang JM, et al. **Nature** 1987 May 14–20; 327(6118):117–23
Histamine receptors branch out [news] Hill SJ. **Nature** 1987 May 14–20;327(6118):104–5
A novel class (H3) of histamine receptors on perivascular nerve terminals. Ishikawa S, et al. **Nature** 1987 May 14–20; 327(6118):158–60
Electrophysiological characterization of histamine receptor subtypes in mammalian heart preparations. Borchard U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):294–302
Histaminergic stimulation of prolactin secretion mediated via H1- or H2-receptors: dependence on routes of administration. Knigge U, et al. **Neuroendocrinology** 1986; 44(1):41–8
Involvement of H1 histamine receptor in basal and estrogen-stimulated luteinizing hormone-releasing hormone secretion in rats in vitro. Miyake A, et al. **Neuroendocrinology** 1987 Mar;45(3):191–6
Histamine receptor effects on dissipation of an intracellular proton gradient of isolated gastric mucosal surface cells. Olender EJ, et al. **Proc Soc Exp Biol Med** 1987 Sep; 185(4):377–84
Adenosine antagonizes the histamine-induced stimulation of human atrial myocardium: protection by H1-receptor blockade. Genovese A, et al. **Prog Clin Biol Res** 1987; 230:345–60
[Role of the histamine receptors in the inhibition of histamine release--blocking examination with H1 and H2 antagonists in the leukocytes of cedar pollinosis patients] Baba K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov; 89(11):1703–8 (Eng. Abstr.) **(Jpn)**
[Electrophysiological analysis of changes in the uterine muscle after administration of histamine H1 and H2 receptor blockaders] Loza VA. **Akush Ginekol (Mosk)** 1987 May;(5):71–2 **(Rus)**

RECEPTORS, HISTAMINE H1 see under **RECEPTORS, HISTAMINE**

RECEPTORS, HISTAMINE H2

[Theoretical studies on a chemical model for histamine H2-receptors] Tintelnot M. **Arch Pharm (Weinheim)** 1987 Feb;320(2):97–103 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

N-Methyldimaprit (SK&F92054). A chemical control for the histamine H2-receptor agonist dimaprit. Blakemore RC, et al **Agents Actions** 1986 Oct;19(1–2):18–25
Are histamine receptors involved in the stimulant activities of thiazolylethylamines supposed as cyclic models of dimaprit? Impicciatore M, et al. **Agents Actions** 1987 Apr; 20(3–4):262–4
Relation between pharmacological response and receptor binding with histamine blocking drugs. Irreversible antagonism of three analogues of mifentidine on right atrium and cerebral cortex of the guinea-pig. Kramer K, et al. **Agents Actions** 1987 Jun;21(1–2):41–8
Studies on histaminergic compounds, IV. Non-isosterism between the imidazole, guanidino and isothiourea moieties at the H2-receptor. Sterk GJ, et al. **Arch Pharm (Weinheim)** 1986 Dec;319(12):1057–64
Impromidine is a partial histamine H2-receptor agonist on human ventricular myocardium. English TA, et al. **Br J Pharmacol** 1986 Oct;89(2):335–40
Eosinophil chemotaxis and anterior uveitis from topical dimaprit and nordimaprit. Mindel JS, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1504–11
Studies on the active molecular species of the H2 receptor antagonists cimetidine and mifentidine. Haaksma EE, et al. **J Med Chem** 1987 Jan;30(1):208–11
Molecular determinants for the agonist activity of 2-methylhistamine and 4-methylhistamine at H2-receptors. Reggio P, et al. **J Med Chem** 1986 Nov;29(11):2412–5
Possible inhibitory role of histamine H2 receptors in the control of basal TSH secretion in male rats: studies with dimaprit, a selective H2 receptor agonist. Di Renzo GF, et al. **J Neural Transm** 1987;69(3–4):313–8
Effects of antidepressants on histamine H2 receptors in rat isolated uterus. Alvarez FJ, et al. **J Pharmacol** 1986 Jul–Sep;17(3):351–4
The effect of famotidine, a new H2 receptor antagonist, on antipyrine clearance in healthy volunteers. Piersimoni F, et al. **Pharmacol Res Commun** 1987 Feb;19(2):183–90
[Synthesis and H2-agonistic activity of alkylsubstituted 3-(imidazole-4-yl) propylguanidine] Elz S, et al. **Arch Pharm (Weinheim)** 1987 Feb;320(2):182–5 **(Ger)**

METABOLISM

Binding of [3H]ICIA 5165, an H2-receptor antagonist to guinea pig gastric mucosa. Nielsen ST. **Agents Actions** 1986 Aug;18(5–6):524–31
Cyclic AMP in gastric juice does not reflect histamine H2 receptor activity in Heidenhain pouch dog. Kumagai J, et al. **Gastroenterol Jpn** 1986 Oct;21(5):465–70

Evidence against conversion of histamine H1 to H2 receptors in the guinea-pig ileum at low temperatures [letter] Gandhi TP, et al. **Indian J Physiol Pharmacol** 1986 Jan-Mar; 30(1):111-4

Characterization of histamine H1 and H2 receptors in the rabbit isolated ovarian artery and vein. Oriowo MA, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):76-81

Histamine acting on H2 receptors stimulates phospholipid methylation in synaptic membranes of rat brain. Ozawa K, et al. **J Neurochem** 1987 May;48(5):1392-8

Molecular determinants for recognition of triazole and tetrazole analogs of histamine at H2-receptors. Mazurek AP, et al. **Mol Pharmacol** 1987 Apr;31(4):345-50

Histamine receptors in the brain. Garbarg M, et al. **New Engl Reg Allergy Proc** 1985 Spring;6(2):195-200

[Structure-activity relationships in histamine H2 receptor antagonists: construction of a binding site model] Tintelnot M. **Arch Pharm (Weinheim)** 1987 Mar;320(3):275-9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Characterization with agonists of the histamine receptors mediating stimulation of gastric acid secretion in the Atlantic cod, Gadus morhua. Holstein B. **Agents Actions** 1986 Oct;19(1-2):42-7

Histamine-induced microvascular permeability increases in hamster skin: a response predominantly mediated by H2-receptors. Woodward DF, et al. **Agents Actions** 1986 Aug;18(5-6):504-7

Are H2-receptors involved in the physiological regulation of gastric emptying? [letter] Scarpignato C, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G719-20

Experimentally induced cardiovascular malformations in the chick embryo. Part IV. Evidence for H2-receptor stimulation in the production of cardiovascular malformations by histamine in chick embryos. Takagi Y, et al. **Birth Defects** 1987;23(1):459-64

Effect of histamine H2-receptor stimulation on bombesin- and peptone-stimulated gastrin release in man. Kleibeuker JH, et al. **Dig Dis Sci** 1986 Oct;31(10):1095-9

Hypotension and bradycardia elicited by histamine into the C1 area of the rostral ventrolateral medulla. Granata AR, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):157-62

Possible involvement of histamine H2-receptors in the vasodilator effect of clonidine on isolated and perfused canine coronary arteries. Nakane T, et al. **Eur J Pharmacol** 1986 Dec 16;132(2-3):327-31

Muscarinic cholinergic and histaminergic H1 and H2 receptors are not involved in the LH response to naloxone in man. Chiodera P, et al. **Horm Res** 1987;25(2):120-4

Evidence for presynaptic inhibitory histamine (H2) receptors in the rat hindquarter vasculature. Holcslaw TL, et al. **J Cardiovasc Pharmacol** 1987 Jun;9(6):651-60

Properties and roles of the three subclasses of histamine receptors in brain. Schwartz JC, et al. **J Exp Biol** 1986 Sep;124:203-24

A role for histamine type II (H-2) receptor binding in production of the lymphokine, soluble immune response suppressor (SIRS). Schnaper HW, et al. **J Immunol** 1987 Aug 15;139(4):1185-90

The role of H1- and H2-receptors in the modulatory effects of histaminergic agents on adrenergic neurotransmission in rat vas deferens. Todorov S, et al. **Methods Find Exp Clin Pharmacol** 1986 Dec;8(12):705-9

Effects of histamine on the metabolism of isolated rat hepatocytes: roles of H1- and H2-histamine receptors. García-Sáinz JA, et al. **Mol Pharmacol** 1987 Mar; 31(3):253-8

Electrophysiological characterization of histamine receptor subtypes in mammalian heart preparations. Borchard U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):294-302

Histamine H2-receptors participate in the formation of brain edema induced by kainic acid in rat thalamus. Sztriha L, et al. **Neurosci Lett** 1987 Apr 10;75(3):334-8

Histamine receptor effects on dissipation of an intracellular proton gradient of isolated gastric mucosal surface cells. Olender EJ, et al. **Proc Soc Exp Biol Med** 1987 Sep; 185(4):377-84

[Role of histamine receptors in the respiratory tract] Scieszka J, et al. **Pneumonol Pol** 1986 Sep;54(9):427-30 (18 ref.) **(Pol)**

RECEPTORS, HORMONE see **RECEPTORS, ENDOGENOUS SUBSTANCES**

RECEPTORS, IMMUNOLOGIC

Receptor structures of the immune system. Symposium. Marburg, FRG, September 24-26, 1986. Proceedings. **Behring Inst Mitt** 1987 Jun;(81):1-134

Tertiary structures for the extracellular domains of the epithelial polyimmunoglobulin receptor (secretory component) derived by primary structure comparisons with immunoglobulins. Beale D, et al. **Comp Biochem Physiol [B]** 1987;86(2):365-72

Human influenza A virus hemagglutinin distinguishes sialyloligosaccharides in membrane-associated gangliosides as its receptor which mediates the adsorption and fusion processes of virus infection. Specificity for oligosaccharides and sialic acids and the sequence to which sialic acid is attached. Suzuki Y, et al. **J Biol Chem** 1986 Dec 25; 261(36):17057-61

16th annual UCLA symposium. Abstracts: The T cell receptor. **J Cell Biochem [Suppl]** 1987;11D:199-301

Transmembrane signaling of interleukin 2 receptor. Conformation and function of human interleukin 2 receptor (p55)/insulin receptor chimeric molecules. Hatakeyama M, et al. **J Exp Med** 1987 Aug 1;166(2):362-75

Signals and signal processing--IV. Antigen specific and other immune regulatory circuits and networks. Proceedings of the 4th Balaton Meeting of Signals and Signal Processing in the Immune System. 1-4 September 1985, Balatonfüred, Hungary. **Mol Immunol** 1986 Nov;23(11):1137-279

Two-dimensional crystals of cholera toxin B-subunit-receptor complexes: projected structure at 17-A resolution. Ludwig DS, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8585-8

[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: III. Evaluation of its usefulness by a liver function test using Tc-99m-neoglycoprotein] Hazama H, et al. **Kaku Igaku** 1986 Jul;23(7):917-26 (Eng. Abstr.) **(Jpn)**

[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: II. Quantitative evaluation of labeled neoglycoprotein clearance] Kawa S, et al. **Kaku Igaku** 1986 Jul;23(7):907-16 (Eng. Abstr.) **(Jpn)**

[A new liver function test using the asialoglycoprotein-receptor system on the liver cell membrane: I. Evaluation of liver imaging using Tc-99m-neoglycoprotein] Kubota Y, et al. **Kaku Igaku** 1986 Jul;23(7):899-905 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Decreased numbers of chemotactic factor receptors in chronic neutropenia with defective chemotaxis: spontaneous recovery from the neutrophil abnormalities during early childhood. Yasui K, et al. **Am J Hematol** 1987 May;25(1):67-75

Response of pulmonary macrophages to hyperoxic pulmonary injury. Acquisition of surface fibronectin and fibrin/ogen and enhanced expression of a fibronectin receptor. Kradin RL, et al. **Am J Pathol** 1986 Nov; 125(2):349-57

Decreased expression of high affinity interleukin 2 receptors after hyposensitization to house dust. Hsieh KH, et al. **Ann Allergy** 1987 Jul;59(1):57-62

Conversion of protein kinase C from a Ca2+-dependent to an independent form of phorbol ester-binding protein by digestion with trypsin. Huang KP, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):320-6

Human erythroleukemia cells adhere to fibronectin: evidence for a Mr 190,000-receptor protein. Virtanen I, et al. **Blood** 1987 Feb;69(2):578-83

Determination of cell-free interleukin 2 receptor level in the serum of normal animals and of animals bearing IL-2 receptor positive tumours with high or low metastatic capacity. Schirrmacher V, et al. **Br J Cancer** 1987 Jun; 55(6):583-7

Certain myeloid cells possess receptors for interleukin-2. Armitage RJ, et al. **Br J Haematol** 1986 Dec;64(4):799-807

Characterization of the blood-brain barrier: glycoconjugate receptors of 14 lectins in canine brain, cultured endothelial cells, and blotted membrane proteins. Fatehi MI, et al. **Brain Res** 1987 Jul 7;415(1):30-9

Analysis of receptors, cell surface antigens, and proteins in human melanoma cell lines resistant to human recombinant beta- or gamma-interferon. Gomi K, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6211-6

In vivo administration of purified human interleukin-2 to patients with cancer: development of interleukin-2 receptor positive cells and circulating soluble interleukin-2 receptors following interleukin-2 administration. Lotze MT, et al. **Cancer Res** 1987 Apr 15;47(8):2188-95

Hodgkin's cell lectin: an ectosialyltransferase and lymphocyte agglutinant related to the hepatic asialoglycoprotein receptor. Paietta E, et al. **Cancer Res** 1987 May 1; 47(9):2461-7

Relationship of a Mr 140 fibronectin receptor and other adhesion-related glycoproteins to tumor cell-cell interaction. Rieber M, et al. **Cancer Res** 1987 Oct 1; 47(19):5127-31

Differences between human and goose erythrocytes in response to phorbol esters and expression of phorbol ester receptors. Speizer LA, et al. **Cancer Res** 1987 Sep 15; 47(18):4830-4

Quantitation and characterization of gamma-interferon receptors on human tumor cells. Ucer U, et al. **Cancer Res** 1986 Oct;46(10):5339-43

Heterogeneity of B-cell growth factor receptor reactivity in healthy donors and in patients with chronic lymphatic leukemia: relationship to B-cell-derived lymphokines. Benjamin D, et al. **Cell Immunol** 1986 Dec;103(2):394-408

Progenitor cells in the thymus: most thymus-homing progenitor cells in the adult mouse thymus bear Pgp-1 glycoprotein but not interleukin-2 receptor on their cell surface. Hyman R, et al. **Cell Immunol** 1986 Sep; 101(2):320-7

Inhibitors of IL-2 production and IL-2 receptor expression in human leukemic T-cell line, Jurkat. Koizumi T, et al. **Cell Immunol** 1986 Dec;103(2):469-75

The interleukin-2 receptor on malignant cells: a target for diagnosis and therapy. Waldmann TA. **Cell Immunol** 1986 Apr 15;99(1):53-60

Immunoglobulin E-dependent stimulation of human alveolar macrophages: significance in type I hypersensitivity. Fuller RW, et al. **Clin Exp Immunol** 1986 Aug;65(2):416-26

Induction of interleukin 2 receptors on immature human thymocytes and co-expression of T3 and T6 antigens. Reem GH, et al. **Clin Exp Immunol** 1986 Nov;66(2):358-64

IL-2 receptor and HLA class II antigens on cerebrospinal fluid cells of patients with multiple sclerosis and other neurological diseases. Tournier-Lasserve E, et al. **Clin Exp Immunol** 1987 Mar;67(3):581-6

Simultaneous increased expression of E-rosette receptor (CD2, T11) and T cell growth factor receptor on human T lymphocytes during activation. Redelman D. **Cytometry** 1987 Mar;8(2):170-83

DNP-phycobiliproteins, fluorescent antigens to study dynamic properties of antigen-IgE-receptor complexes on RBL-2H3 rat mast cells. Seagrave JC, et al. **Cytometry** 1987 May;8(3):287-95

Identification of two distinct regions within the binding sites for fibrinogen and fibronectin on the IIb-IIIa human platelet membrane glycoprotein complex by monoclonal antibodies P2 and P4. McGregor JL, et al. **Eur J Biochem** 1986 Sep 15;159(3):443-9

Fluorescence-activated cell analysis of P-fimbriae receptor accessibility on uroepithelial cells of patients with renal scarring. Jacobson S, et al. **Eur J Clin Microbiol** 1986 Dec; 5(6):649-54

Bone marrow pro-T and pro-B lymphocyte clones express functional receptors for interleukin (IL) 3 and IL 4/BSF-1 and nonfunctional receptors for IL 2. Sideras P, et al. **Eur J Immunol** 1987 Feb;17(2):217-21

Immunoprecipitation of the interleukin-2 receptor from Hodgkin's disease derived cell lines by monoclonal antibodies. Schwarting R, et al. **Hematol Oncol** 1987 Jan-Mar;5(1):57-64

Increased interleukin-2 receptor expression after mitogen stimulation on CD4- and CD8-positive lymphocytes and decreased interleukin-2 production in HTLV-III antibody-positive symptomatic individuals. Creemers PC, et al. **Immunology** 1986 Dec;59(4):627-9

Acquisition of cell-mediated immunity to Leishmania. I. Primary T-cell activation detected by IL-2 receptor expression. Kaye PM. **Immunology** 1987 Jul;61(3):345-9

A monoclonal antibody inhibiting leucocyte adhesion blocks induction of IL-2 production but not IL-2 receptor expression. Lindqvist C, et al. **Immunology** 1987 Apr; 60(4):579-84

Anti-idiotypic antibodies as staphylococcal enterotoxin receptor probes on monkey mast cells. Bamberger U, et al. **Int Arch Allergy Appl Immunol** 1987;82(3-4):272-4

EBV-negative and -positive Burkitt cell lines variably express receptors for B-cell activation and differentiation. Favrot MC, et al. **Int J Cancer** 1986 Dec 15;38(6):901-6

Presence of in vivo-activated T-cells expressing HLA-DR molecules and IL-2 receptors in peripheral blood of patients with nasopharyngeal carcinoma. Lakhdar M, et al. **Int J Cancer** 1987 Jun 15;39(6):663-9

Two asialoglycoprotein receptor polypeptides in human hepatoma cells. Bischoff J, et al. **J Biol Chem** 1987 Aug 25;262(24):11825-32

Identification of the carbohydrate receptor for Shiga toxin produced by Shigella dysenteriae type 1. Lindberg AA, et al. **J Biol Chem** 1987 Feb 5;262(4):1779-85

Expression and function of a putative cell surface receptor for fibronectin in hamster and human cell lines. Brown PJ, et al. **J Cell Biol** 1986 Oct;103(4):1595-603

Membranes of sorting organelles display lateral heterogeneity in receptor distribution. Geuze HJ, et al. **J Cell Biol** 1987 Jun;104(6):1715-23

Surface marker studies on activated peripheral blood lymphocytes in idiopathic dilated cardiomyopathy. Takamoto T, et al. **J Clin Lab Immunol** 1987 Apr; 22(4):157-61

Soluble interleukin-2 receptor levels in patients with undifferentiated and lymphoblastic lymphomas: correlation with survival. Wagner DK, et al. **J Clin Oncol** 1987 Aug; 5(8):1262-74

Proposed relation between expression of interleukin-2 and transferrin receptors in B lymphocyte chronic lymphocytic leukaemia [letter] Barnett D, et al. **J Clin Pathol** 1987 Jul; 40(7):814

Binding and internalization of interleukin 1 by T cells. Direct evidence for high- and low-affinity classes of interleukin 1 receptor. Lowenthal JW, et al. **J Exp Med** 1986 Oct 1;164(4):1060-74

Experimental allergic encephalomyelitis in the absence of a classical delayed-type hypersensitivity reaction. Severe paralytic disease correlates with the presence of interleukin 2 receptor-positive cells infiltrating the central nervous system. Sedgwick J, et al. **J Exp Med** 1987 Apr 1; 165(4):1058-75

Novel macrophage receptor for glucose-modified proteins is distinct from previously described scavenger receptors. Vlassara H, et al. **J Exp Med** 1986 Oct 1;164(4):1301-9

Human platelets possess receptors for a lymphokine: demonstration of high specific receptors for HuIFN-gamma. Molinas FC, et al. **J Immunol** 1987 Feb 1;138(3):802-6

Co-expression of chemotactic ligand receptors on human peripheral blood monocytes. Ohura K, et al. **J Immunol**

1987 Apr 15;138(8):2633–9
A simple microassay for interleukin–2 activity. Ando I, et al. **J Immunol Methods** 1987 Jan 26;96(1):133–7
Simultaneous in situ detection of IgE receptors and cytoplasmic granules in murine cutaneous mast cells. Giorno R, et al. **J Immunol Methods** 1987 May 20; 99(2):163–6
An ELISA that detects cell–associated and released rat IL–2 receptors in a soluble form. Mouzaki A, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):243–8
Mannose–specific binding sites in synoviocytes of rat synovial membrane: an ultrastructural–cytochemical study. Graabaek PM. **J Ultrastruct Mol Struct Res** 1986 Feb; 94(2):176–87
Role of interleukin–2 (IL–2) and IL–2 receptor expression in the proliferative defect observed in mitogen–stimulated lymphocytes from patients with gliomas. Elliott L, et al. **JNCI** 1987 May;78(5):919–22
Differential expression of tumor target binding and cytolytic activities in bone marrow culture–derived macrophages. Lee KC, et al. **JNCI** 1986 Dec;77(6):1287–97
Establishment and characterization of a monocytic cell line which expresses the interleukin–2 receptor. Kimura Y, et al. **Jpn J Cancer Res** 1986 Sep;77(9):862–5
Dissociation of interleukin–2–mediated cell proliferation and interleukin–2 receptor upregulation in adult T–cell leukemia cells. Hori T, et al. **Leuk Res** 1986;10(12):1447–53
Visualization of cytokine and virus receptors common to the immune and central nervous system. Farrar WL, et al. **Lymphokine Res** 1987 Winter;6(1):29–34
Interleukin 2 receptors and responsiveness to recombinant human interleukin 2 in patients with systemic lupus erythematosus. Lakhanpal S, et al. **Mayo Clin Proc** 1987 Jan;62(1):3–7
Mechanisms of age–related decline in antigen–specific T cell proliferative response: IL–2 receptor expression and recombinant IL–2 induced proliferative response of purified Tac–positive T cells. Negoro S, et al. **Mech Ageing Dev** 1986 Nov 14;36(3):223–41
High level stable expression of human interleukin–2 receptors in mouse cells generates only low affinity interleukin–2 binding sites. Cosman D, et al. **Mol Immunol** 1986 Sep; 23(9):935–41
The multifunctional role of C3: structural analysis of its interactions with physiological ligands. Lambris JD, et al. **Mol Immunol** 1986 Nov;23(11):1237–42
c–myc gene expression and interleukin–2 receptor levels in cloned human CD2+,CD3+ and CD2+,CD3– lymphocytes. Gravekamp C, et al. **Nat Immun Cell Growth Regul** 1987;6(1):28–36
Fibronectin receptor structures in the VLA family of heterodimers. Takada Y, et al. **Nature** 1987 Apr 9–15; 326(6113):607–9
Enhancement of galactose/N–acetylgalactosamine receptor activity on the surface of freshly isolated rat hepatocytes: evidence for masking of receptor sites by inhibitors derived from collagenase preparations. Stults NL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7775–9
cDNA and amino acid sequences of the cell adhesion protein receptor recognizing vitronectin reveal a transmembrane domain and homologies with other adhesion protein receptors. Suzuki S, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8614–8
Immune complexes and IgG–Fc receptors on human platelets in essential mixed cryoglobulinemia. Garelli S, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):289–94
Blood mononuclear cells in patients with primary Sjögren's syndrome: production of interleukins, enumeration of interleukin–2 receptors, and DNA synthesis. Esk C, et al. **Scand J Rheumatol [Suppl]** 1986;61:131–4
Analysis of human prenatal and postnatal thymocytes with the anti–Tac monoclonal antibody and recombinant interleukin–2. Plum J, et al. **Thymus** 1987;9(3):149–58
[Visualization of IL2 and IL2 receptor in leprous dermal granulomata] Elageul B, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):343–4 **(Fre)**
[Expression of interleukin 2 receptor and class II histocompatibility antigens on lymphocytes of the cerebrospinal fluid in patients with multiple sclerosis and other neurological diseases] Tournier–Lasserve E, et al. **Pathol Biol (Paris)** 1987 Mar;35(3):303–6 (Eng. Abstr.) **(Fre)**
[Characterization of the receptor for murine gamma interferon] Cofano F, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):155–61 (Eng. Abstr.) **(Ita)**
[Interferon receptors during treatment of chronic hepatitis B with interferon] Nakajima S. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):946 **(Jpn)**
[Receptor expression of blast cells in acute monoblastic leukemia] Tishchenko LM, et al. **Vrach Delo** 1986 Aug; (8):47–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Selective immunosuppression with anti–interleukin 2 receptor–targeted therapy: helper and suppressor cell activity in rat recipients of cardiac allografts. Kupiec–Weglinski JW, et al. **Eur J Immunol** 1987 Mar; 17(3):313–9

BIOSYNTHESIS

Effects of nerve growth factor on the expression of interleukin–2 receptors on cultured human lymphocytes. Thorpe LW, et al. **Ann NY Acad Sci** 1987;496:310–1
B cells as antigen–presenting cells: antigen–specific IL–2 production by cloned T cells without expression of IL–2 receptors. Kakiuchi T, et al. **Cell Immunol** 1987 Aug; 108(1):150–61
Cytochalasin B enhances T cell mitogenesis by promoting expression of an interleukin 2 receptor. Komada H, et al. **Cell Struct Funct** 1987 Jun;12(3):281–5
T cells in patients undergoing chronic hemodialysis: mitogenic response, suppressor activity, and interleukin–2 production and receptor generation. Raskova J, et al. **Diagn Immunol** 1986;4(4):209–16
IgE receptors on human lymphocytes. III. Expression of IgE receptors on mitogen–stimulated human mononuclear cells. Delespesse G, et al. **Eur J Immunol** 1986 Sep;16(9):1043–7
Functional and biochemical characteristics of a murine interleukin 2 receptor–inducing factor. Hardt C, et al. **Eur J Immunol** 1987 Feb;17(2):209–16
Interleukin 2 receptor traffic in a murine cytolytic T cell line. Nabholz M, et al. **Eur J Immunol** 1987 Jun; 17(6):783–90
Interferon–gamma induces expression of the interleukin 2 receptor gene in human monocytes. Rambaldi A, et al. **Eur J Immunol** 1987 Jan;17(1):153–6
Elevated titers of cell–free interleukin–2 receptor in serum and cerebrospinal fluid specimens of patients with acquired immunodeficiency syndrome. Sethi KK, et al. **Immunol Lett** 1986 Oct;13(4):179–84
Synergistic induction by calcium ionophore and phorbol ester of interleukin–2 (IL–2) receptor expression, IL–2 production, and proliferation in autoimmune MRL/MP–1pr mice. Koizumi T, et al. **Immunology** 1986 Sep;59(1):43–9
Enhancement of leukocyte membrane receptor expression after mechanical agitation. Naess A, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):235–7
Effects of DSIP, 5–HTP and serotonin on the lymphokine system: a preliminary study. Yehuda S, et al. **Int J Neurosci** 1987 Apr;33(3–4):185–97
Cell surface expression of fMet–Leu–Phe receptors on human neutrophils. Correlation to changes in the cytosolic free Ca2+ level and action of phorbol myristate acetate. Andersson T, et al. **J Clin Invest** 1987 Apr;79(4):1226–33
Induction of interleukin 2 receptor (TAC) by tumor necrosis factor in YT cells. Lee JC, et al. **J Immunol** 1987 Sep 15; 139(6):1935–8
Expression of interleukin 1 receptors on human peripheral T cells. Shirakawa F, et al. **J Immunol** 1987 Jun 15; 138(12):4243–8
Quantitative measurement of T–lymphocyte activation by an enzyme–linked immunosorbent assay (ELISA) detecting interleukin–2 receptor expression. Igietseme JU, et al. **J Immunol Methods** 1987 Feb 26;97(1):123–31
The mechanism of action of interferon–alpha (IFN–alpha) in hairy–cell leukaemia; Hu–IFN–alpha 2 receptor expression by hairy cells and other normal and leukaemic cell types. Dadmarz R, et al. **Leuk Res** 1986;10(11):1279–85
Regulation of interleukin–2 receptor expression and receptor release. Diamantstein T, et al. **Mol Immunol** 1986 Nov; 23(11):1165–72
Transient expression of IL–2 receptor precedes the differentiation of immature thymocytes. Shimonkevitz RP, et al. **Nature** 1987 Sep 10–16;329(6135):157–9
T–cell–replacing factor (interleukin 5) induces expression of interleukin 2 receptors on murine splenic B cells. Loughnan MS, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5399–403
Kinetic analysis of interleukin 2 (IL–2) production and expression of IL–2 receptors by uraemic and normal lymphocytes. Langhoff E, et al. **Scand J Immunol** 1987 Jan;25(1):29–36

BLOOD

Thrombin–induced fibronectin binding to rat platelets: relationship to other inducing agents. Ciaglowski RE, et al. **Ann NY Acad Sci** 1986;485:396–9
Increased membrane–associated phorbol–12,13 dibutyrate (PDBu) receptor function in sickle red cells. Ramachandran M, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):56–64
High serum interleukin–2 receptor levels are related to advanced disease and a poor outcome in childhood non–Hodgkin's lymphoma. Pui CH, et al. **Blood** 1987 Sep; 70(3):624–8
High serum levels of soluble interleukin 2 receptor in patients with B chronic lymphocytic leukemia. Semenzato G, et al. **Blood** 1987 Aug;70(2):396–400
Elevated serum interleukin–2 receptor; increased in vitro immunoglobulin synthesis and lack of response to testosterone–enhanced in vitro interleukin–2 production in ankylosing spondylitis. Liu HC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):1–8
Plasma interleukin 2 receptor levels in renal allograft recipients. Colvin RB, et al. **Clin Immunol Immunopathol** 1987 May;43(2):273–6
Elevated titers of cell–free interleukin 2 receptor in serum of lupus mice. Balderas RS, et al. **J Immunol** 1987 Sep 1;139(5):1496–500

DRUG EFFECTS

Endotoxin pretreatment enhances neutrophil FMLP–receptor binding and activity in guinea pigs. Olsen UB, et al. **Agents Actions** 1987 Jun;21(1–2):177–83
Effects of ibuprofen on chemotactic peptide–receptor binding and granulocyte response. Skubitz KM, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3349–54
Interleukin 1 and protein kinase C activator are dissimilar in their effects on Il–2 receptor expression and Il–2 secretion by T lymphocytes. Truneh A, et al. **Cell Immunol** 1986 Dec;103(2):365–74
Prolongation of rat pancreatic islet allograft survival by treatment of recipient rats with monoclonal anti–interleukin–2 receptor antibody and cyclosporin. Hahn HJ, et al. **Diabetologia** 1987 Jan;30(1):44–6
B cell receptors for interleukin 2: demonstration of IL2 internalization and of complementary effects of lipopolysaccharide and phorbol diester on receptor expression. Lowenthal JW, et al. **Eur J Immunol** 1986 Dec; 16(12):1591–5
Cyclosporine inhibits the expression of receptors for interleukin 2 and transferrin on mitogen–activated human T lymphocytes. Prince HE, et al. **Immunol Invest** 1986 Aug; 15(5):463–72
Inhibition of IL–2 secretion and IL–2 receptor appearance of activated lymphocytes pretreated with hydroxylated sterols. Richert L, et al. **Immunol Lett** 1986 Nov 3; 13(6):329–34
In vitro effect of cyclosporine on interleukin–2 receptor expression stimulated by Cryptococcus neoformans. Miller GP, et al. **J Infect Dis** 1987 Apr;155(4):799–802
[Bacterial adhesins in the prophylaxis and therapy of infections] Pruzzo C, et al. **Quad Sclavo Diagn** 1986 Mar; 22(1):68–77 (Eng. Abstr.) **(Ita)**
[Receptors for the secretory component on human thymic lymphocytes. Stimulation of their expression as affected by adenosine, theophylline and a thymic lymphocyte supernatant] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):67–9 (Eng. Abstr.) **(Rus)**
[Effect of staphylococcal toxin on lymphocyte receptors and function] Novikov DK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):63–6 (Eng. Abstr.) **(Rus)**

GENETICS

IL–2 receptor gene activation by ATL–derived factor (ADF). Yodoi J, et al. **Adv Exp Med Biol** 1987;213:139–48
Restriction fragment length polymorphism for the T cell receptor alpha and beta chain genes in rheumatoid arthritis [letter] Sakkas LI, et al. **Arthritis Rheum** 1987 Feb; 30(2):231–2
Structure and function of the human interleukin 2 receptor gene. Krönke M, et al. **Behring Inst Mitt** 1987 Jun; (81):60–72
Expression of human interleukin–2 receptor cDNA in E. coli. Chanda PK, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):804–11
Activation of interleukin–2 receptor gene by forskolin and cyclic AMP analogues. Narumiya S, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):753–60
Isolation and expression of cDNA clones for a rat liver asialoglycoprotein receptor. Watts C. **Biosci Rep** 1986 Jun; 6(6):527–34
Immunoglobulin and T cell receptor gene configuration in acute lymphoblastic leukemia of infancy. Felix CA, et al. **Blood** 1987 Aug;70(2):536–41
Regulation of the human interleukin–2 receptor alpha chain promoter: activation of a nonfunctional promoter by the transactivator gene of HTLV–I. Cross SL, et al. **Cell** 1987 Apr 10;49(1):47–56
Molecular structure of human lymphocyte receptor for immunoglobulin E. Kikutani H, et al. **Cell** 1986 Dec 5; 47(5):657–65
Evidence for aberrant activation of the interleukin–2 autocrine loop by HTLV–1–encoded p40x and T3/Ti complex triggering. Maruyama M, et al. **Cell** 1987 Jan 30; 48(2):343–50
Interleukin–2 receptor: structure, function, and expression. Kanamori H, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:739–49
Molecular biology of interleukin–1. Lomedico PT, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:631–9
Interleukin–2 and its receptor: structure and functional expression of the genes. Taniguchi T, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:577–86
Induction of interleukin 2 receptor gene expression by p40x encoded by human T–cell leukemia virus type 1. Inoue J, et al. **EMBO J** 1986 Nov;5(11):2883–8
The primary structure of the beta–subunit of the cell surface adhesion glycoproteins LFA–1, CR3 and p150,95 and its relationship to the fibronectin receptor. Law SK, et al. **EMBO J** 1987 Apr;6(4):915–9
Drosophila position–specific antigens resemble the vertebrate fibronectin–receptor family. Leptin M, et al. **EMBO J** 1987 Apr;6(4):1037–43
Cloning and expression of the cDNA coding for a human lymphocyte IgE receptor. Lüdin C, et al. **EMBO J** 1987 Jan;6(1):109–14

The 3'-orf protein of human immunodeficiency virus shows structural homology with the phosphorylation domain of human interleukin-2 receptor and the ATP-binding site of the protein kinase family. Samuel KP, et al. **FEBS Lett** 1987 Jun 22;218(1):81-6

Immunoglobulin and T cell receptor gene rearrangements in acute leukemias. Raghavachar A, et al. **Hamatol Bluttransfus** 1987;30:251-5

Characterization of the human interleukin 2 receptor at the DNA, RNA, and protein level. Greene WC. **Immunobiology** 1986 Sep;172(3-5):357-64

cDNA sequences from the alpha subunit of the fibronectin receptor predict a transmembrane domain and a short cytoplasmic peptide. Argraves WS, et al. **J Biol Chem** 1986 Oct 5;261(28):12922-4

Immunochemical and amino-terminal sequence comparison of two cytoadhesins indicates they contain similar or identical beta subunits and distinct alpha subunits. Ginsberg MH, et al. **J Biol Chem** 1987 Apr 25;262(12):5437-40

Major and minor forms of the rat liver asialoglycoprotein receptor are independent galactose-binding proteins. Primary structure and glycosylation heterogeneity of minor receptor forms. Halberg DF, et al. **J Biol Chem** 1987 Jul 15;262(20):9828-38

The mouse immune interferon receptor gene is located on chromosome 10. Mariano TM, et al. **J Biol Chem** 1987 Apr 25;262(12):5812-4

Structure of the platelet membrane glycoprotein IIb. Homology to the alpha subunits of the vitronectin and fibronectin membrane receptors. Poncz M, et al. **J Biol Chem** 1987 Jun 25;262(18):8476-82

The human IL-2 receptor gene contains a positive regulatory element that functions in cultured cells and cell-free extracts. Suzuki N, et al. **J Biol Chem** 1987 Apr 15; 262(11):5079-86

Antigen receptor genes as molecular markers of lymphoid neoplasms. Korsmeyer SJ. **J Clin Invest** 1987 May; 79(5):1291-5 (62 ref.)

Effects of anti-proliferative cyclic AMP on interleukin 2-stimulated gene expression. Farrar WL, et al. **J Immunol** 1987 Sep 15;139(6):2075-80

Changes in gene expression induced by a phorbol diester: expression of IL 2 receptor, T3, and T cell antigen receptor. Shackelford DA, et al. **J Immunol** 1987 Jan 15;138(2):613-9

Monocyte interleukin 2 receptor gene expression and interleukin 2 augmentation of microbicidal activity. Wahl SM, et al. **J Immunol** 1987 Aug 15;139(4):1342-7

Isolation and analysis of cDNA and genomic clones of fibronectin and its receptor. Hynes RO, et al. **Methods Enzymol** 1987;144:447-63

Production and characterization of the extracytoplasmic portion of the human interleukin-2 receptor. Shimizu A, et al. **Mol Biol Med** 1986 Dec;3(6):509-20

Reconstitution of high affinity IL-2 receptor expression in a human T-cell line using a retroviral cDNA expression vector. Wano Y, et al. **Mol Biol Med** 1987 Apr;4(2):95-109

Alternate splicing of rabbit polymeric immunoglobulin receptor. Deitcher DL, et al. **Mol Cell Biol** 1986 Jul; 6(7):2712-5

Identification and characterization of cDNA clones encoding two homologous proteins that are part of the asialoglycoprotein receptor. McPhaul M, et al. **Mol Cell Biol** 1987 May;7(5):1841-7

Studies of the IgE binding sites to rat mast cell receptor with proteolytic fragments and with a monoclonal antibody directed against epsilon heavy chain: evidence that the combining sites are located in the C epsilon 3 domain. Rousseaux-Prevost R, et al. **Mol Immunol** 1987 Feb; 24(2):187-96

Isolation of complementary DNA clones encoding the human lymphocyte glycoprotein T1/Leu-1. Jones NH, et al. **Nature** 1986 Sep 25-Oct 1;323(6086):346-9

Expression and functional characterization of artificial mutants of interleukin-2 receptor. Kondo S, et al. **Nature** 1987 May 7-13;327(6117):64-7

High-affinity interleukin 2 binding by an oncogenic hybrid interleukin 2-epidermal growth factor receptor molecule. Bernard O, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2125-9

Human chromosomes 6 and 21 are required for sensitivity to human interferon gamma. Jung V, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4151-5

Formation of functional asialoglycoprotein receptor after transfection with cDNAs encoding the receptor proteins. McPhaul M, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8863-7

Molecular cloning and expression of T11 cDNAs reveal a receptor-like structure on human T lymphocytes. Sayre PH, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2941-5

Activation of interleukin 2 and interleukin 2 receptor (Tac) promoter expression by the trans-activator (tat) gene product of human T-cell leukemia virus, type I. Siekevitz M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5389-93

The p75 peptide is the receptor for interleukin 2 expressed on large granular lymphocytes and is responsible for the interleukin 2 activation of these cells. Tsudo M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5394-8

Altered levels of laminin receptor mRNA in various human carcinoma cells that have different abilities to bind laminin. Wewer UM, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7137-41

Immunological functions and T-cell receptor gene rearrangement of proliferating lymphocytes in a case of T gamma lymphocytosis with neutropenia. Okabe M, et al. **Tohoku J Exp Med** 1987 Jan;151(1):105-15

[Expression of functional human interleukin 2 receptor in mouse cells by using gene transfection] Hatakeyama M. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):697-708 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

The interleukin-2 receptor on normal and malignant lymphocytes. Waldmann TA. **Adv Exp Med Biol** 1987; 213:129-37

IL-2 receptor expression in human lymphoid lesions. Immunohistochemical study of 166 cases. Strauchen JA, et al. **Am J Pathol** 1987 Mar;126(3):506-12

Structure and potential function of the murine L3T4 molecule. Littman D. **Ann Inst Pasteur Immunol** 1987 Jan-Feb;138(1):147-50

The role of CD4/L3T4 in T-lymphocyte function. McCluskey J, et al. **Ann Inst Pasteur Immunol** 1987 Jan-Feb;138(1):150-7

The L3T4 molecule is part of the helper T-cell antigen/Ia recognition complex. Saizawa K, et al. **Ann Inst Pasteur Immunol** 1987 Jan-Feb;138(1):138-43

Human lymphocyte and lymphoma homing receptors. Jalkanen S, et al. **Annu Rev Med** 1987;38:467-76 (16 ref.)

Lymphocyte homing receptors and the immune response in vivo. Weissman IL. **Bioessays** 1986 Sep;5(3):112-6

Abnormalities of interleukin 2 receptor expression associated with decreased antigen-induced lymphocyte proliferation in patients with AIDS and related disorders. Prince HE, et al. **Clin Exp Immunol** 1987 Jan;67(1):59-65

Effects of in-vivo administration of a monoclonal antibody specific for the interleukin-2 receptor on the acute graft-versus-host reaction in mice. Volk HD, et al. **Clin Exp Immunol** 1986 Oct;66(1):126-31

Abnormalities of some phagocyte membrane receptors during nosocomial infections. Martin C, et al. **Crit Care Med** 1987 May;15(5):467-74

Unique pattern of interleukin 2 receptor expression by lymphocytes in response to anti-Leu 4 monoclonal antibody: relationship to monocyte accessory cell function. Prince HE, et al. **Diagn Immunol** 1986;4(5):241-6

Early activation marker expression to detect impaired proliferative responses to pokeweed mitogen and tetanus toxoid: studies in patients with AIDS and related disorders. Prince HE, et al. **Diagn Immunol** 1986;4(6):306-11

Curing BB rats of freshly manifested diabetes by short-term treatment with a combination of a monoclonal anti-interleukin 2 receptor antibody and a subtherapeutic dose of cyclosporin A. Hahn HJ, et al. **Eur J Immunol** 1987 Jul;17(7):1075-8

Monoclonal antibodies identify three epitope clusters on the mouse p55 subunit of the interleukin 2 receptor: relationship to the interleukin 2-binding site. Moreau JL, et al. **Eur J Immunol** 1987 Jul;17(7):929-35

Blocking of interleukin 2 (IL 2) binding to the IL 2 receptor is not required for the in vivo action of anti-IL 2 receptor monoclonal antibody (mAb). I. The production, characterization and in vivo properties of a new mouse anti-rat IL 2 receptor mAb that reacts with an epitope different to the one that binds to IL 2 and the mAb ART-18. Mouzaki A, et al. **Eur J Immunol** 1987 Mar; 17(3):335-41

Antigen presentation by hapten-specific B lymphocytes. III. Analysis of the immunoglobulin-dependent pathway of antigen presentation to interleukin 1-dependent T lymphocytes. Rock KL, et al. **Eur J Immunol** 1986 Nov; 16(11):1407-12

Suppression of the local graft-vs.-host reaction in rats by treatment with a monoclonal antibody specific for the interleukin 2 receptor. Volk HD, et al. **Eur J Immunol** 1986 Oct;16(10):1309-12

Parameters of interaction of a novel monoclonal antibody (33B3.1) with the human IL2-receptors: interrelationship between 33B3.1, anti-Tac, and IL2 binding sites. Le Mauff B, et al. **Hum Immunol** 1987 May;19(1):53-68

Specific immunosuppressive therapy by monoclonal anti-IL 2 receptor antibody and its synergistic action with cyclosporin. Diamantstein T, et al. **Immunobiology** 1986 Sep;172(3-5):391-9

Toad splenocytes bind human IL-2 and anti-human IL-2 receptor antibody specifically. Langeberg L, et al. **Immunol Lett** 1987 Jan;14(2):103-10

Presence of antigenic determinants common to Fc IgE receptors on human macrophages, T and B lymphocytes and IgE-binding factors. Sarfati M, et al. **Immunology** 1986 Dec;59(4):569-75

A possible role for E-receptor in immunosuppression in leprosy. Muthukkaruppan VR. **Indian J Lepr** 1986 Jul-Sep; 58(3):389-94

T-cell growth factor receptor (Tac-antigen) expression in cutaneous lymphoid infiltrates. Ralfkiaer E, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):628-37

Arg-Gly-Asp recognition by a cell adhesion receptor requires its 130-kDa alpha subunit. Cheresh DA, et al. **J Biol Chem** 1987 Feb 5;262(4):1434-7

The actions of Ca2+ ionophores on rat basophilic (2H3) cells are dependent on cellular ATP and hydrolysis of inositol phospholipids. A comparison with antigen stimulation. Lo TN, et al. **J Biol Chem** 1987 Mar 25; 262(9):4141-5

Enhancement of natural killer function through activation of the T11 E rosette receptor. Schmidt RE, et al. **J Clin Invest** 1987 Jan;79(1):305-8

Serum autoantibodies reacting with the hepatic asialoglycoprotein receptor protein (hepatic lectin) in acute and chronic liver disorders. McFarlane BM, et al. **J Hepatol** 1986;3(2):196-205

Production and characterization of a monoclonal antibody specific for the human lymphocyte low affinity receptor for IgE: CD 23 is a low affinity receptor for IgE. Bonnefoy JY, et al. **J Immunol** 1987 May 1;138(9):2970-8

Activation of human B cell proliferation through surface Bp35 (CD20) polypeptides or immunoglobulin receptors. Clark EA, et al. **J Immunol** 1987 Feb 1;138(3):720-5

Physiology of IgD. VIII. Age-related decline in the capacity to generate T cells with receptors for IgD and partial reversal of the defect with IL 2. Coico RF, et al. **J Immunol** 1987 May 1;138(9):2776-81

Recognition of human polymorphonuclear leukocyte receptors for leukotriene B4 by rabbit anti-idiotypic antibodies to a mouse monoclonal antileukotriene B4. Gifford LA, et al. **J Immunol** 1987 Feb 15;138(4):1184-9

Identification of IL 2R+ T cells and macrophages within rejecting rat cardiac allografts, and comparison of the effects of treatment with anti-IL 2R monoclonal antibody or cyclosporin. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):164-70

Autoimmune effector cells. IX. Inhibition of adoptive transfer of autoimmune encephalomyelitis with a monoclonal antibody specific for interleukin 2 receptors. Hayosh NS, et al. **J Immunol** 1987 Jun 1;138(11):3771-5

Antibody inhibition of suppressor cell induction. Kawasaki H, et al. **J Immunol** 1987 Apr 1;138(7):2063-8

Inhibitory effects of anti-interleukin 2 receptor and anti-L3T4 antibodies on delayed type hypersensitivity: the role of complement and epitope. Kelley VE, et al. **J Immunol** 1987 May 1;138(9):2771-5

Functional status of interleukin 2 receptors expressed by immature (Lyt-2-/L3T4-) thymocytes. Lowenthal JW, et al. **J Immunol** 1986 Oct 15;137(8):2579-84

Demonstration of up-regulated IL 2 receptor expression on an in vitro cloned BCL1 subline. Nakanishi K, et al. **J Immunol** 1987 Mar 15;138(6):1817-25

A rapid method for detection of cellular proliferation using carboxyfluorescein. Assay of growth factors (IL-2, IL-1) and growth inhibiting antibodies. Hansson Y, et al. **J Immunol Methods** 1987 Jun 26;100(1-2):261-7

Impaired expression of interleukin-2 receptor (IL2R) in the immunosuppressed burned patient: reversal by exogenous IL2. Teodorczyk-Injeyan JA, et al. **J Trauma** 1987 Feb; 27(2):180-7

Lymphocyte populations and TAC-antigen in diffuse B-cell lymphomas. Grant BW, et al. **Leuk Res** 1986;10(11):1271-8

The interaction of recombinant IL-2 with human resting lymphocytes: blocking effects of monoclonal antibodies to IL-2 receptors. Iseki R, et al. **Microbiol Immunol** 1987; 31(1):59-74

Cross-linking of IgE-receptor complexes at the cell surface: a fluorescence method for studying the binding of monovalent and bivalent haptens to IgE. Erickson J, et al. **Mol Immunol** 1986 Jul;23(7):769-81

Specificity of ganglioside binding to rat macrophages. Förster O, et al. **Mol Immunol** 1986 Nov;23(11):1267-73

Independent ligand occupancy and cross-linking of surface Ig and Fc gamma receptors downregulates B-lymphocyte function. Evaluation in various B-lymphocyte populations. Uher F, et al. **Mol Immunol** 1986 Nov;23(11):1177-81

Importance of IL-2 receptors in intra-thymic generation of cells expressing T-cell receptors. Jenkinson EJ, et al. **Nature** 1987 Sep 10-16;329(6135):160-2

Multiple sclerosis: increased expression of interleukin-2 receptors on lymphocytes. Selmaj K, et al. **Neurology** 1986 Oct;36(10):1392-5

The effects of bovine T lymphocytes bearing immunoglobulin G receptors on the plaque forming cell response. Inokuma H, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1049-52

Demonstration of a non-Tac peptide that binds interleukin 2: a potential participant in a multichain interleukin 2 receptor complex. Tsudo M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9694-8

Treatment with anti-interleukin-2 receptor monoclonal antibody. Strom TB, et al. **Prog Clin Biol Res** 1986; 224:227-38 (23 ref.)

Immunological self, nonself discrimination. Guillet JG, et al. **Science** 1987 Feb 20;235(4791):865-70

Histocompatibility restriction explained [news] Marx JL. **Science** 1987 Feb 20;235(4791):843-4

IgG binding to endothelial cells in systemic lupus erythematosus. Le Roux G, et al. **Thromb Haemost** 1986 Oct 21;56(2):144-6

Epitopic analysis of the human interleukin 2 receptors by the use of monoclonal antibodies: epitope-function relationship. Le Mauff B, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):281-4

Monoclonal anti-IL-2 receptor antibody in primate renal transplantation. Shapiro ME, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):594-8

Generation of CD4-positive suppressor T cells from mixed lymphocyte cultures in the presence of interleukin 2 receptor antibody TU69. An in vitro model for transplantation tolerance induction. Schneider EM, et al. **Transplantation** 1987 Aug;44(2):295-302

New approaches to immunization against infectious agents. Use of anti-idiotypes. Finberg RW. **Year Immunol** 1985; :175–81

[Relation between the body immune status and the thermal resistance of the receptors for sheep erythrocytes on the membrane of human T lymphocytes] Olinescu A, et al. **Rev Ig [Bacteriol]** 1986 Jul–Sep;31(3):241–51 (Eng. Abstr.) **(Rum)**

[Stimulation of expression of IgM and IgG receptors on human thymus lymphocytes after treatment with lactoferrin in vitro] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):447–9 (Eng. Abstr.) **(Rus)**

[Expression of the surface membrane receptors of neutrophils in myeloproliferative diseases] Guseva SA. **Tsitologiia** 1986 Sep;28(9):1023–6 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of a population of immunocompetent cells having a receptor for the anthrax protective antigen] Meretukov VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):54–7 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of the mouse erythrocyte receptor in lymphoproliferative syndromes] Laguna R, et al. **Rev Clin Esp** 1987 Jun;181(1):4–6 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Isolation of a 25kDal, fibronectin–binding, mitogenic peptide from bovine plasma. Channon KM, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1377–84

The receptor for immunoglobulin E as a membrane protein. Metzger H, et al. **Biochem Soc Symp** 1986;51:59–67

Platelets express a membrane protein complex immunologically related to the fibroblast fibronectin receptor and distinct from GPIIb/IIIa. Giancotti FG, et al. **Blood** 1987 May;69(5):1535–8

Purification and N–terminal amino acid sequence of the human T lymphocyte CD2 (T11) surface antigen. Brown MH, et al. **Eur J Immunol** 1987 Jan;17(1):15–20

Fibronectin–binding 36 kDa protein in human fibroblasts. Salonen EM, et al. **FEBS Lett** 1987 Sep 14;221(2):381–6

Molecular and cellular properties of human polymorphonuclear leukocyte receptors for leukotriene B4. Goldman DW, et al. **Fed Proc** 1987 Jan;46(1):200–3 (13 ref.)

Isolation and characterization of a fibronectin receptor from Staphylococcus aureus. Fröman G, et al. **J Biol Chem** 1987 May 15;262(14):6564–71

Isolation and characterization of fibronectin–binding proteoglycan carrying both heparan sulfate and dermatan sulfate chains from human placenta. Isemura M, et al. **J Biol Chem** 1987 Jun 25;262(18):8926–33

Isolation and characterization of a mannose–specific endocytosis receptor from human placenta. Lennartz MR, et al. **J Biol Chem** 1987 Jul 25;262(21):9942–4

The human interferon–gamma receptor. Purification, characterization, and preparation of antibodies. Novick D, et al. **J Biol Chem** 1987 Jun 25;262(18):8483–7

Identification of fibronectin receptors on T lymphocytes. Cardarelli PM, et al. **J Cell Biol** 1987 Jul;105(1):499–506

Characterization and partial purification of a plasma membrane receptor for Bacillus thuringiensis var. kurstaki lepidopteran–specific delta–endotoxin. Knowles BH, et al. **J Cell Sci** 1986 Jul;83:89–101

Purification of human gamma interferon receptors by sequential affinity chromatography on immobilized monoclonal antireceptor antibodies and human gamma interferon. Aguet M, et al. **J Exp Med** 1987 Apr 1; 165(4):988–99

Detergent solubilization of the interleukin 1 receptor. Paganelli KA, et al. **J Immunol** 1987 Apr 1;138(7):2249–53

Bovine spleen, a convenient source for purifying a type I interferon receptor. Branca AA. **J Interferon Res** 1987 Feb; 7(1):77–85

Partial purification and characterization of formylpeptide receptor from rabbit peritoneal neutrophils. Huang CK. **J Leukocyte Biol** 1987 Jan;41(1):63–9

Measurement of interleukin–1 by growth inhibition of the human tumor cell K562; receptor studies. Resch K, et al. **Lymphokine Res** 1986;5 Suppl 1:S81–6

Extraction of alpha interferon–receptor complexes with digitonin. Eid P, et al. **Methods Enzymol** 1986;119:347–51

Overlay and solid–phase analysis of glycolipid receptors for bacteria and viruses. Karlsson KA, et al. **Methods Enzymol** 1987;138:220–32

Preparation of total nonacid glycolipids for overlay analysis of receptors for bacteria and viruses and for other studies. Karlsson KA. **Methods Enzymol** 1987;138:212–20

Isolation and characterization of laminin receptors. von der Mark K, et al. **Methods Enzymol** 1987;144:490–507

The cell surface receptors for interleukin–1 alpha and interleukin–1 beta are identical. Dower SK, et al. **Nature** 1986 Nov 20–26;324(6094):266–8

Isolation and subunit composition of tuftsin receptor [published erratum appears in Proc Natl Acad Sci USA 1987 Feb;84(4):963] Bump NJ, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7187–91

[Isolation and characteristics of membrane fraction of rabbit T lymphocytes specifically binding the staphylococcal enterotoxin type A] Noskov AN, et al. **Mol Gen Mikrobiol Virusol** 1985 Jan;(1):25–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Receptor–mediated clearance of tissue kallikreins by rat liver. Borges DR, et al. **Adv Exp Med Biol** 1986;198 Pt A:235–9

The fimbrial adhesins of Escherichia coli. De Graaf FK, et al. **Adv Microb Physiol** 1986;28:65–143 (325 ref.)

Myeloid differentiated HL–60 cells display specific leukotriene B4 binding sites. Gorman RR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:165–77

Distribution of lymphocytes with interleukin–2 receptors (TAC antigens) in reactive lymphoproliferative processes, Hodgkin's disease, and non–Hodgkin's lymphomas. An immunohistologic study of 300 cases. Sheibani K, et al. **Am J Pathol** 1987 Apr;127(1):27–37

Activation of protein kinase C potentiates norepinephrine release from sinus node. Shuntoh H, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C833–40

Uptake and processing of glycoproteins by rat hepatic mannose receptor. Taylor ME, et al. **Am J Physiol** 1987 May;252(5 Pt 1):E690–8

Soluble interleukin–2 receptors in B–cell leukemia and the acquired immunodeficiency syndrome [letter] Medina–Ibarrondo C, et al. **Ann Intern Med** 1987 May; 106(5):774

Choline and halogen derivatives of CMA (9–oxo–10–acridine acetic acids) as tools for monitoring the interaction of the interferon inducers via a specific receptor. Szulc B, et al. **Antiviral Res** 1987 Feb;7(2):109–17

Binding and activity of Bacillus thuringiensis delta–endotoxin to invertebrate cells. Hofmann C, et al. **Arch Microbiol** 1986 Oct;146(1):7–11

Modification of very low density lipoproteins leads to macrophage scavenger receptor uptake and cholesteryl ester deposition. Mazzone T, et al. **Arteriosclerosis** 1987 Mar–Apr;7(2):191–6

Macrophage oxidation of low density lipoprotein generates a modified form recognized by the scavenger receptor. Parthasarathy S, et al. **Arteriosclerosis** 1986 Sep–Oct; 6(5):505–10

TPA induces subcellular translocation and subsequent down–regulation of both phorbol ester binding and protein kinase C activities in MCF–7 cells. Darbon JM, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):537–46

Activation of protein kinase C down–regulates IFN–gamma receptors. Fassio A, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):337–44

Tyrosine phosphorylation of interleukin 2 receptor–related proteins in phytohemagglutinin–activated human lymphocytes. Ogawa R, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):160–5

Murine T cell proliferation can be specifically augmented by macrophages fed with specific antigen: alpha–2–macroglobulin conjugate. Osada T, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):26–31

Synthetic C–terminal peptide of IL–1 functions as a binding domain as well as an antagonist for the IL–1 receptor. Palaszynski EW. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):204–11

Insulin–dependent alterations of phorbol ester binding to adipocyte subcellular constituents. Evidence for the involvement of protein kinase C in insulin action. Pershadsingh HA, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1384–9

Specific binding of leukotriene B4 to guinea pig lung membranes. Saad M, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):364–71

In vivo depletion of mannose receptor bearing cells from rat liver by ricin A chain: effects on clearance of beta–glucuronidase. Simmons BM, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):849–54

The HTLV–III envelope protein contains a hexapeptide homologous to a region of interleukin–2 that binds to the interleukin–2 receptor. Weigent DA, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):367–74

Interaction of hepatic asialoglycoprotein receptor with dimyristoyl phosphatidylcholine vesicles. Krebs A, et al. **Biochem Cell Biol** 1987 Jan;65(1):56–61

Characterization of the receptor for cholera toxin and Escherichia coli heat–labile toxin in rabbit intestinal brush borders. Griffiths SL, et al. **Biochem J** 1986 Sep 1; 238(2):313–22

Further characterization of the platinum–reactive component of the alpha 2–macroglobulin–receptor recognition site. Pizzo SV, et al. **Biochem J** 1986 Aug 15;238(1):217–25

Structure and function of the receptor for polymeric immunoglobulins. Mostov KE, et al. **Biochem Soc Symp** 1986;51:113–5

Rotational diffusion on cell surfaces: contrasting effect of temperature on epidermal growth factor and Fc (immunoglobulin E) receptors. Jovin TM. **Biochem Soc Trans** 1986 Oct;14(5):817–8

Further characterization of the subunits of the receptor with high affinity for immunoglobulin E. Alcaraz G, et al. **Biochemistry** 1987 May 5;26(9):2569–75

Preparation of a high–affinity photolabeling reagent for the Gal/GalNAc lectin of mammalian liver: demonstration of galactose–combining sites on each subunit of rabbit hepatic lectin. Lee RT, et al. **Biochemistry** 1986 Nov 4; 25(22):6835–41

Interaction of cholera toxin with ganglioside GM1 receptors in supported lipid monolayers. Reed RA, et al. **Biochemistry** 1987 Feb 10;26(3):824–32

Phospholipid distribution in the microenvironment of the immunoglobulin E–receptor from rat basophilic leukemia cell membrane. Rivnay B, et al. **Biochemistry** 1986 Sep 23;25(19):5686–93

Characterization of alpha 2–macroglobulin–plasmin complexes: complete subunit cleavage alters receptor recognition in vivo and in vitro. Roche PA, et al. **Biochemistry** 1987 Jan 27;26(2):486–91

Binding of N–linked bovine fetuin glycopeptides to isolated rabbit hepatocytes: Gal/GalNAc hepatic lectin discrimination between Gal beta(1,4)GlcNAc and Gal beta(1,3)GlcNAc in a triantennary structure. Townsend RR, et al. **Biochemistry** 1986 Sep 23;25(19):5716–25

Retro–all–D and retro isomers of a formyl–methionyl peptide chemoattractant: an insight into the mode of binding at the receptor on rabbit neutrophils. Bonora GM, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):545–9

Evidence for binding of human pregnancy zone protein–proteinase complex to alpha 2–macroglobulin receptors. Gliemann J, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):400–6

Influence of tumor promoter on binding and release of fibronectin added to human lung fibroblasts [published erratum appears in Biochim Biophys Acta 1987 Jul 6;929(2):229] Zerlauth G, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):402–5

Membrane skeleton alteration—a factor promoting IgG receptor expression in the erythrocyte membrane. Halbhuber KJ, et al. **Biomed Biochim Acta** 1987; 46(2–3):S88–92

Corticosteroids reversibly inhibit chemotactic peptide–receptor binding and granulocyte response, yet allow desensitization and receptor down–regulation. Skubitz KM, et al. **Blood** 1986 Oct;68(4):830–6

Regulation of human monocyte surface antigen expression. I. Up–modulation of Mo3e antigen expression on U–937 and HL–60 cells stimulated by pharmacologic activators of protein kinase C. Todd RF 3d, et al. **Blood** 1986 Nov; 68(5):1154–61

Membrane receptors for interleukin 2 on hematopoietic precursors in chronic myeloid leukemia. Visani G, et al. **Blood** 1987 Apr;69(4):1182–7

Soluble interleukin–2 receptors in the serum of patients with Hodgkin's disease. Pizzolo G, et al. **Br J Cancer** 1987 Apr; 55(4):427–8

The maturation–dependent change in fibronectin receptor density of mouse dorsal root ganglion neurons. Kawasaki Y, et al. **Brain Res** 1986 Nov 5;397(1):185–8

Second stage tumor promoters: differences in biological potency and phorbol ester receptor affinity in C6 cells. Leach KL, et al. **Cancer Lett** 1987 Aug;36(2):139–47

Decreased phorbol ester receptor and protein kinase C in P388 murine leukemic cells resistant to etoposide. Ido M, et al. **Cancer Res** 1987 Jul 1;47(13):3460–3

Variation in the binding of 125I–labeled interferon–beta ser to cellular receptors during growth of human renal and bladder carcinoma cells in vitro. Ruzicka FJ, et al. **Cancer Res** 1987 Sep 1;47(17):4582–9

Identification of an amino acid sequence in laminin mediating cell attachment, chemotaxis, and receptor binding. Graf J, et al. **Cell** 1987 Mar 27;48(6):989–96

Deletion of the cytoplasmic domain of the polymeric immunoglobulin receptor prevents basolateral localization and endocytosis. Mostov KE, et al. **Cell** 1986 Nov 7; 47(3):359–64

Basement membrane matrix in vitro: focal binding of exogenous fibronectin to the matrix of teratocarcinoma–derived endodermal cells. Leivo I, et al. **Cell Differ** 1986 Oct;19(3):195–206

Selective expression of cholera toxin–receptor in rat medullary thymocytes. Bouchon B, et al. **Cell Struct Funct** 1987 Aug;12(4):339–44

The induction of the human T–cell growth factor receptor precedes the production of RNA and occurs in the presence of inhibitors of RNA synthesis. Redelman D, et al. **Cytometry** 1986 Sep;7(5):453–62

Binding of acetylated low density lipoprotein and maleylated bovine serum albumin to the rat liver: one or two receptors? Dresel HA, et al. **EMBO J** 1987 Feb;6(2):319–26

Structural analysis of high– versus low–affinity interleukin–2 receptors by means of selective expression of distinct receptor classes. Gullberg M. **EMBO J** 1986 Sep; 5(9):2171–8

Evidence for two extracellular domains in the human interleukin–2 receptor: localization of IL–2 binding. Shackelford DA, et al. **EMBO J** 1986 Dec 1;5(12):3275–80

Expression of CD 25 (Tac antigen) in lymphoid leukemias and non–Hodgkin lymphomas. Faure GC, et al. **Eur J Haematol** 1987 Jan;38(1):26–30

Inhibition of binding of rat IgE to rat mast cells by synthetic IgE peptides. Burt DS, et al. **Eur J Immunol** 1987 Mar; 17(3):437–40

Effects of mycoplasma infection on Fc receptors for IgE of rat basophilic leukemia cells. Chan BM, et al. **Eur J Immunol** 1986 Nov;16(11):1319–24

Intracellular pathway of interleukin 2 following receptor–mediated endocytosis. Lowenthal JW, et al. **Eur J Immunol** 1986 Nov;16(11):1461–3

Association between fibronectin receptor and the substratum: spare receptors for cell adhesion. Brown PJ, et al. **Exp Cell Res** 1987 Aug;171(2):376–88

Adhesion of lymphoid cell lines to fibronectin–coated

substratum: biochemical and physiological characterization and the identification of a 140-kDa fibronectin receptor. Liao NS, et al. **Exp Cell Res** 1987 Aug;171(2):306–20

A second cell-binding domain on fibronectin (RGDS-independent) for neurite extension of human neuroblastoma cells. Waite KA, et al. **Exp Cell Res** 1987 Apr;169(2):311–27

Identification of the plasma membrane receptor for interleukin-1 on mouse thymoma cells. Bron C, et al. **FEBS Lett** 1987 Jul 27;219(2):365–8

Calcium ionophore A23187 enhances human neutrophil superoxide release, stimulated by phorbol dibutyrate, by converting phorbol ester receptors from a low- to high-affinity state. French JK, et al. **FEBS Lett** 1987 Feb 23;212(2):242–6

Rat plasma alpha 1-inhibitor3 binds to receptors for alpha 2-macroglobulin. Gliemann J, et al. **FEBS Lett** 1987 Aug 31;221(1):55–60

Point mutations of human interleukin-1 with decreased receptor binding affinity. MacDonald HR, et al. **FEBS Lett** 1986 Dec 15;209(2):295–8

Protein kinase C regulates leukotriene B4 receptors in human neutrophils. O'Flaherty JT, et al. **FEBS Lett** 1986 Oct 6; 206(2):279–82

N-terminal-methionylated interleukin-1 beta has reduced receptor-binding affinity [published erratum appears in FEBS Lett 1987 Aug 10;220(1):253] Wingfield P, et al. **FEBS Lett** 1987 May 4;215(1):160–4

Leukocyte receptors for lipid and peptide mediators. Goetzl EJ. **Fed Proc** 1987 Jan;46(1):190–1

Receptor-mediated uptake of asialoglycoprotein by the primate liver initiates both lysosomal and transcellular pathways. Schiff JM, et al. **Hepatology** 1986 Sep–Oct; 6(5):837–47

The binding of epidermolytic toxin from Staphylococcus aureus to mouse epidermal tissue. Smith TP, et al. **Histochem J** 1987 Mar;19(3):137–49

Interleukin-2 receptors: biology and therapeutic potentials. Waldmann TA, et al. **Hosp Pract [Off]** 1987 Jan 15; 22(1):77–84, 93–4

The ontogeny of the interleukin 2 receptor expression and of the interleukin 2 responsiveness in the rat thymus. Brocke S, et al. **Immunobiology** 1987 May;174(3):266–73

Binding properties and histamine release in variants of rat basophilic leukemia cells with changes in the IgE receptor. Stracke ML, et al. **Immunol Lett** 1987 Apr;14(4):287–92

The human interferon-gamma receptor system. Rubinstein M, et al. **Immunol Rev** 1987 Jun;97:29–50 (44 ref.)

Association and dissociation of Escherichia coli heat-stable enterotoxin from rat brush border membrane receptors. Cohen MB, et al. **Infect Immun** 1987 Feb;55(2):329–34

Collagen binding to Staphylococcus aureus. Holderbaum D, et al. **Infect Immun** 1986 Nov;54(2):359–64

Effect of glycoprotein-processing inhibitors on the mouse IgE binding capacity of rat basophilic leukemia cells. Gavériaux C, et al. **Int Arch Allergy Appl Immunol** 1987; 84(1):85–92

In vitro immunomodulatory effects of interleukin-2 and thymosin fraction V in acquired immune deficiency syndrome. Reddy MM, et al. **Int J Immunopharmacol** 1987; 9(4):483–8

Guanine nucleotide regulatory proteins as transducers of receptor-stimulated neutrophil activation. Bokoch GM, et al. **Int J Tissue React** 1987;9(4):285–93

Ligand-receptor dynamics and signal amplification in the neutrophil. Sklar LA, et al. **Int J Tissue React** 1987; 9(4):277–84

Receptor-mediated endocytosis in liver parenchymal cells. Geuze HJ, et al. **Int Rev Exp Pathol** 1986;29:113–71 (285 ref.)

Involvement of membrane sugar receptors and membrane glycoconjugates in the adhesion of 3LL cell subpopulations to cultured pulmonary cells. Kieda C, et al. **Invasion Metastasis** 1986;6(6):347–66

Shielding of Escherichia coli outer membrane proteins as receptors for bacteriophages and colicins by O-antigenic chains of lipopolysaccharide. van der Ley P, et al. **J Bacteriol** 1986 Oct;168(1):449–51

Arg-Gly-Asp recognition by a cell adhesion receptor requires its 130-kDa alpha subunit. Cheresh DA, et al. **J Biol Chem** 1987 Feb 5;262(4):1434–7

Down regulation of phorbol diester receptors by proteolytic degradation of protein kinase C in a cultured cell line of fetal rat skin keratinocytes. Chida K, et al. **J Biol Chem** 1986 Oct 5;261(28):13013–8

The kinetics of phosphoinositide hydrolysis in rat basophilic leukemia (RBL-2H3) cells varies with the type of IgE receptor cross-linking agent used. Cunha-Melo JR, et al. **J Biol Chem** 1987 Aug 25;262(24):11455–63

Exon structure of a mannose-binding protein gene reflects its evolutionary relationship to the asialoglycoprotein receptor and nonfibrillar collagens. Drickamer K, et al. **J Biol Chem** 1987 Feb 25;262(6):2582–9

Receptor-mediated endocytosis of interleukin 2 in a human tumor T cell line. Degradation of interleukin 2 and evidence for the absence of recycling of interleukin receptors. Duprez V, et al. **J Biol Chem** 1986 Nov 25; 261(33):15450–4

Regulation by phorbol esters of asialoglycoprotein and transferrin receptor distribution and ligand affinity in a hepatoma cell line. Fallon RJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15081–9

Monoclonal antibodies against a glycoprotein localized in coated pits and endocytic vesicles inhibit alpha 2-macroglobulin binding and uptake. Hanover JA, et al. **J Biol Chem** 1986 Dec 15;261(35):16732–7

Receptor-cytoskeleton interactions and membrane traffic may regulate chemoattractant-induced superoxide production in human granulocytes. Jesaitis AJ, et al. **J Biol Chem** 1986 Oct 15;261(29):13662–9

Comparison of fibronectin receptors from rat hepatocytes and fibroblasts. Johansson S, et al. **J Biol Chem** 1987 Jun 5;262(16):7819–24

Ammonium sulfate modifies adenylate cyclase and the chemotactic receptor of Dictyostelium discoideum. Evidence for a G protein effect. Khachatrian L, et al. **J Biol Chem** 1987 Jun 15;262(17):8071–6

The role of cytosolic free calcium in the generation of inositol 1,4,5-trisphosphate and inositol 1,3,4-trisphosphate in HL-60 cells. Differential effects of chemotactic peptide receptor stimulation at distinct Ca2+ levels. Lew PD, et al. **J Biol Chem** 1986 Oct 5;261(28):13121–7

The chicken receptor for endocytosis of glycoproteins contains a cluster of N-acetylglucosamine-binding sites. Loeb JA, et al. **J Biol Chem** 1987 Mar 5;262(7):3022–9

1,25-Dihydroxyvitamin D3 regulation of phorbol ester receptors in HL-60 leukemia cells. Martell RE, et al. **J Biol Chem** 1987 Apr 25;262(12):5570–5

The interleukin-1 receptor binds the human interleukin-1 alpha precursor but not the interleukin-1 beta precursor. Mosley B, et al. **J Biol Chem** 1987 Mar 5;262(7):2941–4

Mannose-receptor ligands stimulate secretion of lysosomal enzymes from rabbit alveolar macrophages. Ohsumi Y, et al. **J Biol Chem** 1987 Jun 15;262(17):7955–62

Synthetic peptides derived from fibrinogen and fibronectin change the conformation of purified platelet glycoprotein IIb-IIIa. Parise LV, et al. **J Biol Chem** 1987 Sep 15; 262(26):12597–602

Antibody-induced receptor loss. Different fates for asialoglycoproteins and the asialoglycoprotein receptor in HepG2 cells. Schwartz AL, et al. **J Biol Chem** 1986 Nov 15;261(32):15225–32

Specific residues within an amino-terminal domain of 35 residues of interferon alpha are responsible for recognition of the human interferon alpha cell receptor and for triggering biological effects. Shafferman A, et al. **J Biol Chem** 1987 May 5;262(13):6227–37

Purification and characterization of the S-adenosylmethionine:glutamyl methyltransferase that modifies membrane chemoreceptor proteins in bacteria. Simms SA, et al. **J Biol Chem** 1987 Jun 25;262(18):8537–43

Regulation of ligand-receptor dynamics by guanine nucleotides. Real-time analysis of interconverting states for the neutrophil formyl peptide receptor. Sklar LA, et al. **J Biol Chem** 1987 Jan 5;262(1):135–9

Human pregnancy zone protein and alpha 2-macroglobulin. High-affinity binding of complexes to the same receptor on fibroblasts and characterization by monoclonal antibodies. Van Leuven F, et al. **J Biol Chem** 1986 Dec 15;261(35):16622–5

Receptor-mediated in vitro gene transformation by a soluble DNA carrier system. Wu GY, et al. **J Biol Chem** 1987 Apr 5;262(10):4429–32

Regulation of fibronectin receptor distribution by transformation, exogenous fibronectin, and synthetic peptides. Chen WT, et al. **J Cell Biol** 1986 Nov; 103(5):1649–61

A cell surface receptor complex for collagen type I recognizes the Arg-Gly-Asp sequence. Dedhar S, et al. **J Cell Biol** 1987 Mar;104(3):585–93

Focal adhesion sites and the removal of substratum-bound fibronectin. Grinnell F. **J Cell Biol** 1986 Dec;103(6 Pt 2):2697–706

Fibronectin glycosylation modulates fibroblast adhesion and spreading. Jones GE, et al. **J Cell Biol** 1986 Nov; 103(5):1663–70

Localization of cell surface sites involved in fibronectin fibrillogenesis. Peters DM, et al. **J Cell Biol** 1987 Jan; 104(1):121–30

The fibronectin cell attachment sequence Arg-Gly-Asp-Ser promotes focal contact formation during early fibroblast attachment and spreading. Singer II, et al. **J Cell Biol** 1987 Mar;104(3):573–84

Sorting of endocytosed transferrin and asialoglycoprotein occurs immediately after internalization in HepG2 cells. Stoorvogel W, et al. **J Cell Biol** 1987 May;104(5):1261–8

Ligand- and weak base-induced redistribution of asialoglycoprotein receptors in hepatoma cells. Zijderhand-Bleekemolen JE, et al. **J Cell Biol** 1987 Jun; 104(6):1647–54

Effect of phagocytosis on receptor distribution and endocytic activity in macrophages. Buys SS, et al. **J Cell Physiol** 1987 Jun;131(3):442–9

Evidence for the recycling nature of the fibronectin receptor of macrophages. Molnar J, et al. **J Cell Physiol** 1987 Jun; 131(3):374–83

Internalisation and recycling of the granulocyte-macrophage colony-stimulating factor (GM-CSF) receptor on a murine myelomonocytic leukemia. Walker F, et al. **J Cell Physiol** 1987 Feb;130(2):255–61

A subpopulation of immunoglobulin G in man selectively interacts with the hormone-binding sites of estrogen receptors. Borkowski A, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):356–63

Peripheral blood mononuclear-cell interleukin-2 production, receptor generation and lymphokine-activated cytotoxicity in inflammatory bowel disease. Ming RH, et al. **J Clin Immunol** 1987 Jan;7(1):59–63

Receptor-specific agglutination tests for detection of bacteria that bind globoseries glycolipids. de Man P, et al. **J Clin Microbiol** 1987 Feb;25(2):401–6

Binding to galactose alpha 1——4galactose beta-containing receptors as potential diagnostic tool in urinary tract infection. Enerbäck S, et al. **J Clin Microbiol** 1987 Feb; 25(2):407–11

Identification of a high-affinity receptor for native human interleukin 1 beta and interleukin 1 alpha on normal human lung fibroblasts. Chin J, et al. **J Exp Med** 1987 Jan 1; 165(1):70–86

Tyrosine phosphorylation of an interleukin 2 receptor-like protein in cells transformed by human T cell leukemia virus type I. Ogawa R, et al. **J Exp Med** 1987 Apr 1; 165(4):959–69

Internalization of interleukin 2 is mediated by the beta chain of the high-affinity interleukin 2 receptor. Robb RJ, et al. **J Exp Med** 1987 Apr 1;165(4):1201–6

Interleukin 2 high-affinity receptor expression requires two distinct binding proteins. Teshigawara K, et al. **J Exp Med** 1987 Jan 1;165(1):223–38

Ligand-dependent redistribution of the IgA receptor on cultured rat hepatocytes and its disturbance by cytochalasin B. Gebhardt R, et al. **J Histochem Cytochem** 1987 Mar; 35(3):301–9

Phorbol ester receptors in cardiac myocytes of salt-sensitive and salt-resistant Dahl rats. Limas CJ, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S145–7

Studies on the fate of receptor-bound 125I-interleukin 1 beta in porcine synovial fibroblasts. Bird TA, et al. **J Immunol** 1987 Jul 1;139(1):92–7

In vivo expression and regulation of murine IL 2 receptors after antigen sensitization. Butler LD, et al. **J Immunol** 1987 Jan 15;138(2):470–7

Internalization and degradation of receptor-bound interferon-gamma by murine macrophages. Demonstration of receptor recycling. Celada A, et al. **J Immunol** 1987 Jul 1;139(1):147–53

Platelet-collagen interaction. Inhibition by a monoclonal antibody raised against collagen receptor. Chiang TM, et al. **J Immunol** 1987 Aug 1;139(3):887–92

Physiology of IgD. VII. Induction of receptors for IgD on cloned T cells by IgD and interleukin 2. Coico RF, et al. **J Immunol** 1987 Jan 1;138(1):4–6

Visualization and characterization of interleukin 1 receptors in brain. Farrar WL, et al. **J Immunol** 1987 Jul 15; 139(2):459–63

In vivo and in vitro expression of an interleukin 2 receptor by murine B and T lymphocytes. Finkelman FD, et al. **J Immunol** 1986 Oct 1;137(7):2252–9

Spontaneous production of a suppressor factor by a human macrophage-like cell line U937. II. Suppression of antigen- and mitogen-induced blastogenesis, IL 2 production and IL 2 receptor expression in T lymphocytes. Fujiwara H, et al. **J Immunol** 1987 Jan 1;138(1):197–203

Interleukin 2 receptors are expressed by alveolar macrophages during pulmonary sarcoidosis and are inducible by lymphokine treatment of normal human lung macrophages, blood monocytes, and monocyte cell lines. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):185–91

Interleukin 2 responses of lpr and normal L3T4-/Lyt-2- T cells induced by TPA plus A23187. Katagiri K, et al. **J Immunol** 1987 Jan 1;138(1):149–56

The murine lymphocyte receptor for IgE. V. Biosynthesis, transport, and maturation of the B cell Fc epsilon receptor. Keegan AD, et al. **J Immunol** 1987 Aug 15;139(4):1199–205

Expression of interleukin 1 receptors is restricted to the L3T4+ subset of mature T lymphocytes. Lowenthal JW, et al. **J Immunol** 1987 Jan 1;138(1):1–3

Down-regulation of interleukin 1 (IL 1) receptor expression by IL 1 and fate of internalized 125I-labeled IL 1 beta in a human large granular lymphocyte cell line. Matsushima K, et al. **J Immunol** 1986 Nov 15;137(10):3183–8

Structure function relationships for the IL 2 receptor system. III. Tac protein missing amino acids 102 to 173 (exon 4) is unable to bind IL 2: detection of spliced protein after L cell transfection. Neeper MP, et al. **J Immunol** 1987 May 15;138(10):3532–8

Removal of human polymorphonuclear leukocyte surface sialic acid inhibits reexpression (or recycling) of formyl peptide receptors. A possible explanation for its effect on formyl peptide-induced polymorphonuclear leukocyte chemotaxis. Perez HD, et al. **J Immunol** 1987 Sep 15; 139(6):1978–84

Soluble interleukin 2 receptors are released by long term-cultured insulin-specific T cells transiently after contact with antigen. Reske-Kunz AB, et al. **J Immunol** 1987 Jan 1;138(1):192–6

Structure-function relationships for the IL 2-receptor system. IV. Analysis of the sequence and ligand-binding properties of soluble Tac protein. Robb RJ, et al. **J Immunol** 1987 Aug 1;139(3):855–62

The released interleukin 2 receptor binds interleukin 2 efficiently. Rubin LA, et al. **J Immunol** 1986 Dec 15; 137(12):3841–4

2'Deoxycoformycin and deoxyadenosine affect IL 2 production and IL 2 receptor expression of human T cells. Ruers TJ, et al. **J Immunol** 1987 Jan 1;138(1):116–22

Stimulation of T lymphocyte proliferation by monoclonal antibodies against GD3 ganglioside. Welte K, et al. **J Immunol** 1987 Sep 15;139(6):1763–71

Human neutrophil laminin receptors: activation–dependent receptor expression. Yoon PS, et al. **J Immunol** 1987 Jan 1;138(1):259–65

Auranofin increases the affinity of phorbol dibutyrate receptors in chronic lymphocytic leukemia cells (B cells). Zalewski PD, et al. **J Immunol** 1987 May 1;138(9):3005–9

Receptor–mediated clearance of Aspergillus galactomannan. Bennett JE, et al. **J Infect Dis** 1987 May;155(5):1005–10

Binding of 125I–gamma interferon to cultured human keratinocytes. Nickoloff BJ. **J Invest Dermatol** 1987 Aug; 89(2):132–5

Direct visualization of formylpeptide receptor binding on rounded and polarized human neutrophils: cellular and receptor heterogeneity. Walter RJ, et al. **J Leukocyte Biol** 1987 May;41(5):377–91

Heterogeneity of binding of chemotactic formyl peptides to their receptors on rabbit neutrophils: methodological and analytical considerations in the study of complex receptor–binding patterns. Kermode JC, et al. **J Recept Res** 1986;6(3–4):247–70

Structural studies of T200 glycoprotein and the IL–2 receptor. Thomas M, et al. **J Recept Res** 1987;7(1–4):133–55

Surface receptor mobilization in complement–mediated neutrophil activation: characterization and effects of methylprednisolone. Tennenberg SD, et al. **J Surg Res** 1987 Aug;43(2):143–8

Lepromin stimulates interleukin–2 production and interleukin–2 receptor expression in situ in lepromatous leprosy patients. Longley BJ, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:189–98

Interleukin 2 binding capacity of human mononuclear leukocytes. Horst HJ, et al. **Lymphokine Res** 1986;5 Suppl 1:S55–9

A common class of receptors for the two types of porcine interleukin–1 on articular chondrocytes. Saklatvala J, et al. **Lymphokine Res** 1986;5 Suppl 1:S99–104

Malignant B–cells have receptors for and respond to interleukin–2. Panayotides P, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):255–63 (28 ref.)

Procedures for studying binding of interferon to mouse cells. Aguet M. **Methods Enzymol** 1986;119:321–5

Procedures for binding an antibody to receptor–bound interferon. Arnheiter H, et al. **Methods Enzymol** 1986; 119:326–32

Assay for the leukotriene B4 receptor. Gorman RR, et al. **Methods Enzymol** 1987;141:372–8

Identification of interferon receptors by chemical cross–linking. Gupta SL, et al. **Methods Enzymol** 1986; 119:340–7

Measurement of phorbol ester receptors in intact cells and subcellular fractions. Jaken S. **Methods Enzymol** 1987; 141:275–87

Procedures for studying binding of interferon to human cells in suspension cultures. Langer JA, et al. **Methods Enzymol** 1986;119:305–11

Resialylated erythrocytes for assessment of the specificity of sialyloligosaccharide binding proteins. Paulson JC, et al. **Methods Enzymol** 1987;138:162–8

Arginine–glycine–aspartic acid adhesion receptors. Pytela R, et al. **Methods Enzymol** 1987;144:475–89

Binding of 32P–labeled human recombinant immune interferon to U937 cells. Rashidbaigi A, et al. **Methods Enzymol** 1986;119:315–21

Procedures for measuring receptor–mediated binding and internalization of human interferon. Zoon KC, et al. **Methods Enzymol** 1986;119:332–9

Procedures for studying the binding of interferon to human and bovine cells in monolayer culture. Zoon KC, et al. **Methods Enzymol** 1986;119:312–5

Catalytic and receptor–binding properties of the calcium–sensitive phospholipid–dependent protein kinase (protein kinase C) in swine luteal cytosol. Wheeler MB, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):123–9

Cross–linking of IgE–receptor complexes at the cell surface: synthesis and characterization of a long bivalent hapten that is capable of triggering mast cells and rat basophilic leukemia cells. Kane P, et al. **Mol Immunol** 1986 Jul; 23(7):783–90

The receptor for immunoglobulin E: examination for kinase activity and as a substrate for kinases. Quarto R, et al. **Mol Immunol** 1986 Nov;23(11):1215–23

Characterization of fMet–Leu–Phe receptor–mediated Ca2+ influx across the plasma membrane of human neutrophils. Andersson T, et al. **Mol Pharmacol** 1986 Nov;30(5):437–43

Identification of a common class of high affinity receptors for both types of porcine interleukin–1 on connective tissue cells. Bird TA, et al. **Nature** 1986 Nov 20–26; 324(6094):263–6

A second human interleukin–2 binding protein that may be a component of high–affinity interleukin–2 receptors. Dukovich M, et al. **Nature** 1987 Jun 11–17; 327(6122):518–22

Interleukin–2 receptor proteins [news] Trowbridge I. **Nature** 1987 Jun 11–17;327(6122):461–2

Determination of the minimum polypeptide lengths of the functionally active sites of human interleukins 1 alpha and 1 beta. Mosley B, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4572–6

Cytoskeletal association of human alpha–interferon–receptor complexes in interferon–sensitive and –resistant lymphoblastoid cells. Pfeffer LM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3249–53

Interleukin 2 binding molecule distinct from the Tac protein: analysis of its role in formation of high–affinity receptors. Robb RJ, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):2002–6

Cranin: a laminin–binding protein of cell membranes. Smalheiser NR, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6457–61

Contribution of a p75 interleukin 2 binding peptide to a high–affinity interleukin 2 receptor complex. Tsudo M, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4215–8

Identification of Fc and F(ab')2 IgG receptors on human platelets. Vancura S, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3575–9

Leukotriene B3, leukotriene B4 and leukotriene B5; binding to leukotriene B4 receptors on rat and human leukocyte membranes. Charleson S, et al. **Prostaglandins** 1986 Oct; 32(4):503–16

Analogs of leukotriene B4: effects of modification of the hydroxyl groups on leukocyte aggregation and binding to leukocyte leukotriene B4 receptors. Leblanc Y, et al. **Prostaglandins** 1987 May;33(5):617–25

Binding of alpha–2–macroglobulin trypsin complex to human monocytes in culture. Munck Petersen C, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):55–61

Novel interleukin–2 receptor subunit detected by cross–linking under high–affinity conditions. Sharon M, et al. **Science** 1986 Nov 14;234(4778):859–63

Endocytosis of asialo–glycoproteins and attachment to asialo–glycoproteins of hepatocytes from carcinogen–treated rats. Schwarze PE, et al. **Toxicol Pathol** 1987;15(1):88–92

[Platelet factor XIII as the collagen receptor] Takagi J, et al. **Seikagaku** 1987 Jan;59(1):13–7 (9 ref.) **(Jpn)**

[Collagen receptors] Nagata K. **Tanpakushitsu Kakusan Koso** 1987 Mar;32(3):227–38 **(Jpn)**

PHYSIOLOGY

A novel approach for understanding the effects of interferons—a working hypothesis. Premecz G, et al. **Acta Microbiol Hung** 1987;34(1):45–55

Expression of MHC class II antigen, interleukin–2 receptor, transferrin receptor and gp 40/80 glycoprotein during different phases of a normal PHA–driven lymphocyte activation in vitro. Konttinen YT, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct; 94(5):181–6

Impaired basophil histamine release from allergic patients. Stahl Skov P, et al. **Agents Actions** 1987 Apr;20(3–4):303–6

The role of T4 in immune function and dysfunction. Lederman S, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):158–65

The lymphocyte function–associated LFA–1, CD2, and LFA–3 molecules: cell adhesion receptors of the immune system. Springer TA, et al. **Annu Rev Immunol** 1987; 5:223–52 (145 ref.)

The interleukin 2 receptor and its physiology. Implications for combatting autoimmune diseases and transplant rejections. Diamantstein T. **Behring Inst Mitt** 1987 Jun; (81):73–87

The "erythrocyte receptor" of T–lymphocytes and T11 target structure (T11TS): complementary cell interaction molecules involved in T–cell activation. Hünig T, et al. **Behring Inst Mitt** 1987 Jun;(81):31–40

The receptor function of C1q, the Fc–recognizing component of the complement system, on macrophages. Loos M. **Behring Inst Mitt** 1987 Jun;(81):133

Specific membrane receptors for human interferon–gamma (IFN–gamma). Ucer U, et al. **Behring Inst Mitt** 1987 Jun; (81):88–97

The diacylglycerol kinase inhibitor, R59022, enhances the superoxide generation from human neutrophils induced by stimulation of fMet–Leu–Phe, IgG and C3b receptors. Muid RE, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):630–7

Receptor–specific inhibition of bone marrow erythropoiesis by recombinant DNA–derived interleukin–2. Burdach SE, et al. **Blood** 1987 May;69(5):1368–75

The regulatory role of interleukin 2–responsive T lymphocytes on human marrow granulopoiesis. Estrov Z, et al. **Blood** 1987 Apr;69(4):1161–6

Analysis of density changes and chemotactic receptors of leukocytes from chronic hemodialysis and peritoneal dialysis patients. Lewis SL, et al. **Blood Purif** 1987; 5(2–3):138–54

A model system for peptide hormone action in differentiation: interleukin 2 induces a B lymphoma to transcribe the J chain gene. Blackman MA, et al. **Cell** 1986 Nov 21; 47(4):609–17

Integrins: a family of cell surface receptors. Hynes RO. **Cell** 1987 Feb 27;48(4):549–54 (50 ref.)

Intracellular polyamine biosynthesis is required for interleukin 2 responsiveness during lymphocyte mitogenesis. Bowlin TL, et al. **Cell Immunol** 1987 May; 106(2):420–7

Inhibition by gangliosides of the specific binding of lipopolysaccharide (LPS) to human monocytes prevents LPS–induced interleukin–1 production. Cavaillon JM, et al. **Cell Immunol** 1987 May;106(2):293–303

B–cell activation stimulated by monoclonal anti–Lyb2.1 antibody is mediated through a receptor distinct from the BSF–1 receptor. Laurindo I, et al. **Cell Immunol** 1987 Sep; 108(2):473–82

The human interleukin–2 receptor: role in normal T–cell growth and association with HTLV–I–induced T–cell leukemia. Greene WC, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:731–7

The interferon receptors. Rubinstein M, et al. **CRC Crit Rev Biochem** 1986;21(3):249–75 (145 ref.)

An antibody to a receptor for fibronectin and laminin perturbs cranial neural crest development in vivo. Bronner–Fraser M. **Dev Biol** 1986 Oct;117(2):528–36

The role of laminin and the laminin/fibronectin receptor complex in the outgrowth of retinal ganglion cell axons. Cohen J, et al. **Dev Biol** 1987 Aug;122(2):407–18

Cross–linking of the T cell receptor complex with the subset–specific differentiation antigen stimulates interleukin 2 receptor expression in human CD4 and CD8 T cells. Emmrich F, et al. **Eur J Immunol** 1987 Apr;17(4):529–34

Defective interleukin 2 receptor expression is associated with the T cell disfunction subsequent to bone marrow transplantation. López–Botet M, et al. **Eur J Immunol** 1987 Aug;17(8):1167–74

Degranulation of in vitro differentiated mast cells stimulated by two monoclonal IgE specificities. Rofolovitch M, et al. **Eur J Immunol** 1987 Mar;17(3):385–92

IFN–gamma receptors on human tumor cells: relationship between receptor ligand interactions and induction of IFN–gamma response. Berkovic D, et al. **Immunobiology** 1986 Sep;172(3–5):243–9

The receptor for interleukin 1 in plasma membranes of the human leukemia cell K 562: biological and biochemical characterization. Resch K, et al. **Immunobiology** 1986 Sep; 172(3–5):336–45

Functional and molecular aspects of human T lymphocyte activation via T3–Ti and T11 pathways. Alcover A, et al. **Immunol Rev** 1987 Feb;95:5–36 (64 ref.)

Platelets as effectors in immune and hypersensitivity reactions. Capron A, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):307–12 (47 ref.)

Expression of lectin receptors on the surface of granulocyte–macrophage progenitor cells (CFU–gm). Aizawa S, et al. **Int J Cell Cloning** 1986 Nov;4(6):464–71

Membrane–bound IgE receptor complexes fused with rat basophilic leukemia cells mediate degranulation. Estes K, et al. **J Cell Biol** 1987 Aug;105(2):747–53

Embryonic neural retinal cell response to extracellular matrix proteins: developmental changes and effects of the cell substratum attachment antibody (CSAT). Hall DE, et al. **J Cell Biol** 1987 Mar;104(3):623–34

Selective blockade of the antigen–receptor–mediated pathway of T cell activation in patients with impaired primary immune responses. Meuer SC, et al. **J Clin Invest** 1987 Sep;80(3):743–9

Direct activation of human resting T cells by IL 2: the role of an IL 2 receptor distinct from the Tac protein. Bich–Thuy LT, et al. **J Immunol** 1987 Sep 1;139(5):1550–6

Role of the interleukin 2 receptor in differentiation of a clone of Ly–1+ B cells. Bishop GA, et al. **J Immunol** 1987 May 15;138(10):3308–13

Receptor–specific modulation of myelopoiesis by recombinant DNA–derived interleukin 2. Burdach S, et al. **J Immunol** 1987 Jul 15;139(2):452–8

Transmembrane signaling through B cell MHC class II molecules: anti–Ia antibodies induce protein kinase C translocation to the nuclear fraction. Chen ZZ, et al. **J Immunol** 1987 Apr 1;138(7):2345–52

Suppressor T cell growth and differentiation: evidence for induced receptors on suppressor T cells that bind a suppressor T cell differentiation factor. Chu WS, et al. **J Immunol** 1987 Jan 15;138(2):504–12

Lack of IL 2–dependent proliferation despite significant expression of high–affinity IL 2 receptor on murine cytolytic T lymphocyte clones late after antigenic stimulation. Churilla AM, et al. **J Immunol** 1987 Mar 1; 138(5):1338–45

Receptor–like role of HLA–class I antigens: regulation of T cell activation. Dasgupta JD, et al. **J Immunol** 1987 Aug 1;139(3):672–7

A novel pathway of human T cell activation via a 103 kD T cell activation antigen. Fleischer B. **J Immunol** 1987 Mar 1;138(5):1346–50

Expression of functional IL 2 receptors by lipopolysaccharide and interferon–gamma stimulated human monocytes. Holter W, et al. **J Immunol** 1987 May 1;138(9):2917–22

Impaired expression of high affinity interleukin 2 receptor on activated lymphocytes from patients with systemic lupus erythematosus. Ishida H, et al. **J Immunol** 1987 Aug 15; 139(4):1070–4

BSF1 induces membrane protein phosphorylation but not phosphoinositide metabolism, Ca2+ mobilization, protein kinase C translocation, or membrane depolarization in resting murine B lymphocytes. Justement L, et al. **J Immunol** 1986 Dec 1;137(11):3664–70

Enhanced killing of Candida albicans by murine macrophages treated with macrophage colony–stimulating factor: evidence for augmented expression of mannose receptors. Karbassi A, et al. **J Immunol** 1987 Jul 15;139(2):417–21

Anti–interleukin 2 receptor antibody suppresses delayed–type

hypersensitivity to foreign and syngeneic antigens. Kelley VE, et al. **J Immunol** 1986 Oct 1;137(7):2122–4

Evidence for negative regulation of T cell growth by low affinity interleukin 2 receptors. Kumar A, et al. **J Immunol** 1987 Mar 1;138(5):1485–93

Interleukin 2 regulates the expression of IL 2 receptors on interleukin 3–dependent bone marrow–derived cell lines. Le Gros GS, et al. **J Immunol** 1987 Jan 15;138(2):478–83

Augmentation of normal and malignant B cell proliferation by monoclonal antibody to the B cell–specific antigen BP50 (CDW40). Ledbetter JA, et al. **J Immunol** 1987 Feb 1; 138(3):788–94

The murine lymphocyte receptor for IgE. IV. The mechanism of ligand–specific receptor upregulation on B cells. Lee WT, et al. **J Immunol** 1987 Aug 15;139(4):1191–8

Dissociation between the expression of IL 2 receptor and IL 2 receptor mRNA in the antigen–specific T cell clone stimulated by the specific antigen with B cell APC. Matsui M, et al. **J Immunol** 1987 Jul 15;139(2):373–9

The interleukin 1 receptor. Dynamics of interleukin 1 binding and internalization in T cells and fibroblasts. Mizel SB, et al. **J Immunol** 1987 May 1;138(9):2906–12

IgE receptor–mediated depolarization of rat basophilic leukemia cells measured with the fluorescent probe bis–oxonol. Mohr FC, et al. **J Immunol** 1987 Mar 1; 138(5):1564–70

The murine interleukin 2 receptor. Irreversible cross–linking of radiolabeled interleukin 2 to high affinity interleukin 2 receptors reveals a noncovalently associated subunit. Saragovi H, et al. **J Immunol** 1987 Sep 15;139(6):1918–26

Recombinant murine and human IL 1 alpha bind to human endothelial cells with an equal affinity, but have an unequal ability to induce endothelial cell adherence of lymphocytes. Thieme TR, et al. **J Immunol** 1987 Aug 15;139(4):1173–8

Biosynthetic human GM–CSF modulates the number and affinity of neutrophil f–Met–Leu–Phe receptors. Weisbart RH, et al. **J Immunol** 1986 Dec 1;137(11):3584–7

A B cell–specific differentiation antigen, CD23, is a receptor for IgE (Fc epsilon R) on lymphocytes. Yukawa K, et al. **J Immunol** 1987 Apr 15;138(8):2576–80

Modulation of interferon–alpha and interferon–gamma receptor expression during T–lymphocyte activation and proliferation. Faltynek CR, et al. **J Interferon Res** 1986 Dec;6(6):639–53

Activation of human keratinocyte fibronectin receptor function in relation to other ligand–receptor interactions. Toda K, et al. **J Invest Dermatol** 1987 Apr;88(4):412–7

A role for the laminin receptor in leukocyte chemotaxis. Bryant G, et al. **J Leukocyte Biol** 1987 Mar;41(3):220–7

Model for leukocyte regulation by chemoattractant receptors: roles of a guanine nucleotide regulatory protein and polyphosphoinositide metabolism. Snyderman R, et al. **J Leukocyte Biol** 1986 Dec;40(6):785–800 (102 ref.)

Nisoldepine inhibits formyl–methionyl–leucyl–phenylalanine (fMet–Leu–Phe) receptor–coupled calcium transport in human neutrophils. Williamson KC, et al. **J Leukocyte Biol** 1987 Sep;42(3):239–44

Regulation of human large granular lymphocyte and T cell growth and function by recombinant interleukin 2: induction of interleukin 2 receptor and promotion of growth of cells with enhanced cytotoxicity. Yamada S, et al. **J Leukocyte Biol** 1987 Jun;41(6):505–17

Hypothesis: lymphocyte trafficking in inflammatory rheumatic disease. A role for receptor mediated homing. Schrieber L, et al. **J Rheumatol** 1987 Apr;14(2):194–6

Peripheral blood adherent cells from AIDS patients inhibit normal T–colony growth through decreased expression of interleukin 2–receptors and production of interleukin 2. Lunardi–Iskandar Y, et al. **Leuk Res** 1987;11(8):753–60

Interleukin–2 (IL–2) and its receptor. Larsson EL. **Med Oncol Tumor Pharmacother** 1986;3(3–4):231–6 (60 ref.)

Methods for the study of receptor–mediated phagocytosis. Wright SD. **Methods Enzymol** 1986;132:204–21

Stimulation of specific GTP binding and hydrolysis activities in lymphocyte membrane by interleukin–2 [published erratum appears in Nature 1987 Jun 14–17;327(6122):467] Evans SW, et al. **Nature** 1987 Jan 8–14;325(7000):166–8

Intracytoplasmic phosphorylation sites of Tac antigen (p55) are not essential for the conformation, function, and regulation of the human interleukin 2 receptor. Hatakeyama M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9650–4

Molecular basis for two different affinity states of the interleukin 2 receptor: affinity conversion model. Kondo S, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9026–9

Neutrophil LTA4 hydrolases and leukotriene B4 receptors: effects of leukotriene epoxides and their enzymatic products. Evans J, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):167–71

A study of cyclic nucleotides as second messengers after interleukin 2 stimulation of human T lymphocytes. Knudsen TE, et al. **Scand J Immunol** 1987 May; 25(5):527–31

In vivo significance of bacteriocins and bacteriocin receptors. Govan JR. **Scand J Infect Dis [Suppl]** 1986;49:31–7 (40 ref.)

High– and low–affinity receptors regulate platelet responses to phorbol diesters and teleocidin. Cech P, et al. **Thromb Res** 1987 Mar 15;45(6):827–37

Interleukin–2, 1984: year of the receptor. Ruscetti FW. **Year Immunol** 1985;:100–6 (30 ref.)

[The interleukin 2 receptor. A review of the literature] Siegl E, et al. **Allerg Immunol (Leipz)** 1987;33(1):3–14 (Eng. Abstr.) **(Ger)**

[Functional and biochemical characterization of interleukin 2 receptor–associated molecules] Uede T, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 2):2056–62 (Eng. Abstr.) **(Jpn)**

RECEPTORS, INSULIN

Oncogene proteins and the insulin receptor. Rotenberg SA. **Cancer Invest** 1986;4(5):445–60

Transmembrane signaling of interleukin 2 receptor. Conformation and function of human interleukin 2 receptor (p55)/insulin receptor chimeric molecules. Hatakeyama M, et al. **J Exp Med** 1987 Aug 1;166(2):362–75

Insulin–like growth factor II receptor as a multifunctional binding protein. Morgan DO, et al. **Nature** 1987 Sep 24–30; 329(6137):301–7

Heterologous transmembrane signaling by a human insulin receptor–v–ros hybrid in Chinese hamster ovary cells. Ellis L, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5101–5

ANALYSIS

A solid–phase competitive radioimmunoassay for the insulin receptor. Roth RA, et al. **Anal Biochem** 1986 Nov 15; 159(1):163–8

Interpretation of insulin radioreceptor assays. Nattrass M, et al. **Ann Clin Biochem** 1987 Jan;24 (Pt 1):13–21 (75 ref.)

Generation of oligomeric insulin receptor forms by intramolecular sulfhydryl–disulfide exchange. Involvement of masked sulfhydryl groups. Krämer H, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):471–9

Insulin receptors in the peripheral nervous system: a structural and functional analysis. Waldbillig RJ, et al. **Brain Res** 1987 Apr 21;409(2):215–20

Enhancement of insulin–like growth factor 2 receptors in glioblastoma. Sara VR, et al. **Cancer Lett** 1986 Sep; 32(3):229–34

New, simple insulin–receptor assay with universal application to solubilized insulin receptors and receptors in broken and intact cells. Frandsen EK, et al. **Diabetes** 1987 Mar; 36(3):335–40

Insulin receptor assays—clinical application and limitations (2). Taylor R. **Diabetic Med** 1984 Sep;1(3):181–8 (113 ref.)

Identification of the intact insulin receptor using a sequence–specific antibody directed against the C–terminus of the beta–subunit. Grunfeld C, et al. **Endocrinology** 1987 Sep;121(3):948–57

Colloidal gold–labeled insulin complex. Characterization and binding to adipocytes. Moll UM, et al. **Histochemistry** 1986; 86(1):83–8

Characterization of a neuronal subtype of insulin–like growth factor I receptor. Burgess SK, et al. **J Biol Chem** 1987 Feb 5;262(4):1618–22

Role of the COOH–terminal B–chain domain in insulin–receptor interactions. Identification of perturbations involving the insulin mainchain. Nakagawa SH, et al. **J Biol Chem** 1987 Sep 5;262(25):12054–8

Identification of insulin receptor tyrosine residues autophosphorylated in vitro. Tornqvist HE, et al. **J Biol Chem** 1987 Jul 25;262(21):10212–9

Insulin–like growth factor I receptors in retinal rod outer segments. Zick Y, et al. **J Biol Chem** 1987 Jul 25; 262(21):10259–64

A radioreceptor assay for pharmaceutical preparations of insulin. Baxter D. **J Biol Stand** 1986 Oct;14(4):319–30

High–affinity receptor for insulin–like growth factor II in rat liver: properties and regulation in vivo. Bryson JM, et al. **J Endocrinol** 1987 Apr;113(1):27–35

Human leukemic cells: receptor binding and biological effects of insulin and insulin–like growth factors. Vetter U, et al. **Leuk Res** 1986;10(10):1201–7

[Insulin receptors in the peripheral blood mononuclear cells of patients with chronic liver diseases] Mateva L, et al. **Vutr Boles** 1986;25(5):72–5 **(Bul)**

[Radioautographic and quantitative study of insulin binding sites in the rat brain] Broer Y, et al. **C R Acad Sci [III]** 1987;304(1):31–6 (Eng. Abstr.) **(Fre)**

[Regeneration of the cirrhotic remnant liver after partial hepatectomy, especially the relationship between insulin receptors and hepatic regeneration] Morioka H. **Nippon Geka Hokan** 1986 May 1;55(3):403–14 (Eng. Abstr.) **(Jpn)**

[Method of evaluating the activity of lymphocytes by detecting their insulin receptors] Arkhipov GS, et al. **Lab Delo** 1987;(4):279–80 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The role of Ca2+ in hormonal imprinting of the Tetrahymena. Kovács P, et al. **Acta Physiol Hung** 1987; 69(2):167–79

Production of insulin–like growth factor I and its binding protein in rat hepatocytes cultured from diabetic and insulin–treated diabetic rats. Scott CD, et al. **Endocrinology** 1986 Nov;119(5):2346–52

Effects of castanospermine and 1–deoxynojirimycin on insulin receptor biogenesis. Evidence for a role of glucose removal from core oligosaccharides. Arakaki RF, et al. **J Biol Chem** 1987 Aug 25;262(24):11886–92

[Cloning and expression of human insulin receptors] Clauser E, et al. **Journ Annu Diabetol Hotel Dieu** 1986;:199–205 **(Fre)**

BLOOD

Effects of gluconeogenic hormones on insulin binding in intact human red blood cells. Mokoena L, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):158–67

Insulin binding to erythrocyte receptors in acromegalic patients in relation to the activity of acromegaly and to concomitant diabetes mellitus. Páv J, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):76–80

Insulin receptors on circulating blood cells from patients with pancreatogenic diabetes: a comparison with type I diabetes and normal subjects. Muggeo M, et al. **J Endocrinol Invest** 1987 Jun;10(3):311–9

Erythrocyte insulin receptor in insulin autoimmune syndrome: effects of corticosteroid therapy. Ohtsuka Y, et al. **Tohoku J Exp Med** 1987 Feb;151(2):181–90

DRUG EFFECTS

Characterization of mediators of insulin action. Gottschalk WK, et al. **Ann NY Acad Sci** 1986;488:385–405 (65 ref.)

Insulin binding to cultured adult hepatocytes. Effects of bacitracin and chloroquine on the nature of cell–associated radioactivity. Fleig WE, et al. **Biochem J** 1986 Jul 1; 237(1):99–104

Effect of metformin on glucose metabolism in mouse soleus muscle. Bailey CJ, et al. **Diabete Metab** 1986 Aug; 12(4):212–8

Effects of metformin treatment on erythrocyte insulin binding in normal weight subjects, in obese non diabetic subjects, in type 1 and type 2 diabetic patients. Rizkalla SW, et al. **Diabete Metab** 1986 Aug;12(4):219–24

Diacylglycerol modulation of insulin receptor from cultured human mononuclear cells. Effects on binding and internalization. Grunberger G, et al. **Diabetes** 1986 Dec; 35(12):1364–70

Effects of heparin on insulin binding and biological activity. Kriaucionas KM, et al. **Diabetes** 1987 Feb;36(2):163–8

Effects of continuous subcutaneous insulin infusion versus multiple injections on insulin receptors in insulin–dependent diabetics. Lecavalier L, et al. **Diabetes Care** 1987 May–Jun; 10(3):300–5

Sulphonylureas and biguanides do not affect insulin binding in H35 hepatoma cells. De Vries CP, et al. **Diabetes Res** 1986 Jul;3(6):307–10

Effects of metformin on insulin receptor tyrosine kinase activity in rat adipocytes. Jacobs DB, et al. **Diabetologia** 1986 Nov;29(11):798–801

Possible role of cell surface insulin degrading enzyme in cultured human lymphocytes. Yaso S, et al. **Diabetologia** 1987 Jan;30(1):27–32

Interaction of the human insulin receptor with the ras oncogene product p21. O'Brien RM, et al. **FEBS Lett** 1987 Jun 15;217(2):253–9

The effect of insulin and glucagon on the insulin receptor of cultured hepatoma cells. Sugaya H, et al. **Gastroenterol Jpn** 1986 Aug;21(4):365–73

Effect of dietary carbohydrates on glucagon and insulin receptors in genetically obese female Zucker rats. Bhathena SJ, et al. **J Nutr** 1987 Jul;117(7):1291–7

Heterogeneous effects of inhibitors of receptor processing on insulin binding and intracellular accumulation in various cell types. Smith RM, et al. **Lab Invest** 1986 Nov; 55(5):593–7

[Insulin receptors of the lateral hypothalamus and the effects of bilateral vagotomy on their response to adequate stimulation] Pop M, et al. **Physiologie** 1987 Apr–Jun; 24(2):105–9 **(Fre)**

[At the start of the path to stroke: insulin receptor damage by alcohol and fatty liver–hyperinsulinism in young men (letter)] Henkler C, et al. **Dtsch Med Wochenschr** 1987 Jan 23;112(4):157–8 **(Ger)**

[Effect of insulin on the calcium current of the frog myocardium] Nakipova OV, et al. **Fiziol Zh SSSR** 1987 Apr;73(4):492–8 (Eng. Abstr.) **(Rus)**

GENETICS

Structural analysis of normal and mutant insulin receptors in fibroblasts cultured from families with leprechaunism. Endo F, et al. **Am J Hum Genet** 1987 Sep;41(3):402–17

Hepatocarcinogens induce decrease in mRNA transcripts of receptors for insulin and epidermal growth factor in the rat liver. Hwang DL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):87–93

Cloning of a Drosophila cDNA encoding a polypeptide similar to the human insulin receptor precursor. Nishida Y, et al. **Biochem Biophys Res Commun** 1986 Dec 15; 141(2):474–81

Frequent occurrence of short complementary sequences in nucleic acids. Segerstéen U, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):94–101

Antibody–induced down–regulation of a mutated insulin receptor lacking an intact cytoplasmic domain. Morgan DO, et al. **Biochemistry** 1987 Jun 2;26(11):2959–63

The effect of insulin, serum and dexamethasone on mRNA levels for the insulin receptor in the human lymphoblastoic cell line IM–9. Maassen JA, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):72–8

Regulation of insulin–receptor mRNA levels by glucocorticoids. McDonald AR, et al. **Diabetes** 1987 Jun; 36(6):779–81

Restriction fragment length polymorphism (RFLP) of the human insulin receptor gene in Japanese: its possible

usefulness as a genetic marker. Takeda J, et al. **Diabetologia** 1986 Sep;29(9):667–9

Insulin-like growth factor I receptor primary structure: comparison with insulin receptor suggests structural determinants that define functional specificity. Ullrich A, et al. **EMBO J** 1986 Oct;5(10):2503–12

Linkage relationships of the insulin receptor gene with the complement component 3, LDL receptor, apolipoprotein C2 and myotonic dystrophy loci on chromosome 19. Shaw DJ, et al. **Hum Genet** 1986 Nov;74(3):267–9

Human insulin receptors mutated at the ATP-binding site lack protein tyrosine kinase activity and fail to mediate postreceptor effects of insulin. Chou CK, et al. **J Biol Chem** 1987 Feb 5;262(4):1842–7

Post-translational acquisition of insulin binding activity by the insulin proreceptor. Correlation to recognition by autoimmune antibody. Olson TS, et al. **J Biol Chem** 1987 May 15;262(14):6816–22

The human insulin receptor cDNA: a new tool to study the function of this receptor. Clauser E, et al. **J Recept Res** 1987;7(1–4):377–404

Replacement of lysine residue 1030 in the putative ATP-binding region of the insulin receptor abolishes insulin- and antibody-stimulated glucose uptake and receptor kinase activity. Ebina Y, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):704–8

Insulin binding to human B lymphoblasts is a function of HLA haplotype. Kittur D, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1351–5

Activation of transforming potential of the human insulin receptor gene. Wang LH, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5725–9

High-level expression of human insulin receptor cDNA in mouse NIH 3T3 cells. Whittaker J, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5237–41

[The insulin receptor and the gene] Ebina Y. **Seikagaku** 1986 Jul;58(7):477–82 (11 ref.) **(Jpn)**

IMMUNOLOGY

Antibodies against the insulin receptor in paraneoplastic acanthosis nigricans. Matsuoka LY, et al. **Am J Med** 1987 Jun;82(6):1253–6

Effect of an anti-insulin-like growth factor I receptor antibody on insulin-like growth factor II stimulation of DNA synthesis in human fibroblasts. Conover CA, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):501–8

Insulin-like and insulin-inhibitory effects of monoclonal antibodies for different epitopes on the human insulin receptor. Taylor R, et al. **Biochem J** 1987 Feb 15; 242(1):123–9

Antibodies to insulin receptor followed by anti-idiotype. Antibodies to insulin in child with hypoglycemia. Elias D, et al. **Diabetes** 1987 Mar;36(3):348–54

Insulin and insulin-receptor autoantibodies in children with newly diagnosed IDDM before insulin therapy. Ludwig SM, et al. **Diabetes** 1987 Apr;36(4):420–5

Autoimmunity to insulin receptor and hypoglycaemia in patient with Hodgkin's disease. Braund WJ, et al. **Lancet** 1987 Jan 31;1(8527):237–40

Insulin-receptor antibody and hypoglycaemia associated with Hodgkin's disease [letter] Khokher MA, et al. **Lancet** 1987 Mar 21;1(8534):693–4

Hypoglycaemia due to an insulin-receptor antibody in Hodgkin's disease. Walters EG, et al. **Lancet** 1987 Jan 31; 1(8527):241–3

Successful immunosuppressive therapy in a patient with autoantibodies to insulin receptors and immune complex glomerulonephritis. Sims RE, et al. **South Med J** 1987 Jul; 80(7):903–6

[Anti-insulin and anti-insulin receptor antibodies: idiotype-anti-idiotype network and regulation of the immune system] Boitard C, et al. **Journ Annu Diabetol Hotel Dieu** 1986;:121–33 (42 ref.) **(Fre)**

[Anti-insulin receptor antibodies. Clinical significance in diabetology] Thomopoulos P. **Journ Annu Diabetol Hotel Dieu** 1986;:135–43 (35 ref.) **(Fre)**

[The anti-insulin receptor antibody syndrome] De Pirro R, et al. **Minerva Endocrinol** 1986 Apr–Jun;11(2):115–8 (Eng. Abstr.) **(Ita)**

[An assay system employing cultured hepatocytes for anti-insulin receptor antibody detection] Ooboshi C, et al. **Rinsho Byori** 1986 Jul;34(7):795–9 **(Jpn)**

ISOLATION & PURIFICATION

Purification and immunological characterization of the rat liver insulin-like growth factor-II receptor. Scott CD, et al. **Endocrinology** 1987 Jan;120(1):1–9

Isolation of functional alpha beta heterodimers from the purified human placental alpha 2 beta 2 heterotetrameric insulin receptor complex. A structural basis for insulin binding heterogeneity. Sweet LJ, et al. **J Biol Chem** 1987 May 25;262(15):6939–42

The interaction of brain insulin receptors with wheat germ agglutinin. Shemer J, et al. **Neuropeptides** 1987 Jan;9(1):1–8

METABOLISM

Insulin binding and action in adipocytes in vitro in relation to insulin action in vivo in young and middle-aged subjects. Yki-Jarvinen H, et al. **Acta Endocrinol (Copenh)** 1986 Sep; 113(1):88–92

Insulin receptors in normal pregnant women and women with gestational diabetes. Andersen O, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:27–30

Effect of the cAMP level on hormonal imprinting in Tetrahymena. Csaba G, et al. **Acta Physiol Hung** 1987; 69(2):231–7

Effect of modification of membrane saccharides on hormonal imprinting in Tetrahymena. Kovács P, et al. **Acta Physiol Hung** 1987;69(2):189–95

The role of tyrosine phosphorylation in the regulation of insulin and insulin-like growth factor-I receptor kinase activities. Yu KT, et al. **Adv Exp Med Biol** 1986;205:165–83

Oral contraceptives and insulin receptor binding in normal women and those with previous gestational diabetes. Skouby SO, et al. **Am J Obstet Gynecol** 1986 Oct; 155(4):802–7

Insulin receptor kinase is hyperresponsive in adipocytes of young obese Zucker rats. Debant A, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):E273–8

Insulin receptor binding and protein kinase activity in muscles of trained rats. Dohm GL, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 1):E170–5

Autophosphorylation and kinase activity of insulin receptor in diabetic rats. Okamoto M, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):E542–50

Erythrocyte insulin receptors following myocardial infarction in non-diabetic subjects. Dodds K, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):657–60

The role of calcium and calmodulin in insulin receptor function in the adipocyte. McDonald JM, et al. **Ann NY Acad Sci** 1986;488:406–18 (39 ref.)

Distribution of glucose transporters and insulin receptors in the plasma membrane and transverse tubules of skeletal muscle. Burdett E, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):279–86

Glucose intolerance and insulin resistance with aging—studies on insulin receptors and post-receptor events. Fülöp T Jr, et al. **Arch Gerontol Geriatr** 1987 Jul; 6(2):107–15

Growth hormone-dependent insulin-like growth factor (IGF) binding protein from human plasma differs from other human IGF binding proteins. Baxter RC, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1256–61

Comparison of insulin and insulin-like growth factor I receptors from rat skeletal muscle and L-6 myocytes. Burant CF, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):100–7

Insulin receptor autophosphorylation and kinase activity in streptozotocin diabetic rats. Effect of a short fast. Gherzi R, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):850–6

The insulin-receptor interaction: is the kinetic approach for inferring negative-cooperative site-site interactions valid? Helmerhorst E. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):399–407

Peroxide(s) of vanadium: a novel and potent insulin-mimetic agent which activates the insulin receptor kinase. Kadota S, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):259–66

Glucose starvation alters insulin but not IGF-I binding to Chinese hamster ovary (CHO) cells. Podskalny JM, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):821–6

Heterogeneity of insulin-like growth factor-I affinity for the insulin-like growth factor-II receptor: comparison of natural, synthetic and recombinant DNA-derived insulin-like growth factor-I. Rosenfeld RG, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):199–205

Inhibition of tyrosine autophosphorylation of the solubilized insulin receptor by an insulin-stimulating peptide derived from bovine serum albumin. Ueno A, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):11–8

Receptors for epidermal growth factor (urogastrone) and insulin in primary cultures of rat hepatocytes maintained in serum-free medium. O'Connor-McCourt M, et al. **Biochem Cell Biol** 1986 Aug;64(8):803–10

Partial purification and characterization of a neutral insulin-like growth factor. Biochemical and biological properties. Minuto F, et al. **Biochem Int** 1986 Aug; 13(2):253–61

Insulin stimulates tyrosine phosphorylation of its receptor beta-subunit in intact rat hepatocytes. Ballotti R, et al. **Biochem J** 1987 Jan 1;241(1):99–104

Adipocyte insulin receptor. Generation of a cryptic domain of the alpha-subunit during internalization of hormone-receptor complexes. Berhanu P, et al. **Biochem J** 1987 Mar 1;242(2):589–96

Internalization of insulin receptors and HLA antigens in human hepatoma cells. Cousin JL, et al. **Biochem J** 1987 Mar 1;242(2):403–10

The insulin-like effect of sodium vanadate on adipocyte glucose transport is mediated at a post-insulin-receptor level. Green A. **Biochem J** 1986 Sep 15;238(3):663–9

The structure of the hepatic insulin receptor and insulin binding. Haynes FJ, et al. **Biochem J** 1986 Oct 1; 239(1):127–33

Insulin causes insulin-receptor internalization in human erythrocyte ghosts. Kelleher RS, et al. **Biochem J** 1987 Jan 1;241(1):93–7

Characterization of the N-linked high-mannose oligosaccharides of the insulin pro-receptor and mature insulin receptor subunits. McElduff A, et al. **Biochem J** 1986 Nov 1;239(3):679–83

Cell-surface insulin receptor cycling and its implication in the glycogenic response in cultured foetal hepatocytes. Soubigou P, et al. **Biochem J** 1986 Nov 1;239(3):609–15

Monoclonal antibodies as probes of the structure and function of insulin receptors. Siddle K, et al. **Biochem Soc Trans** 1987 Feb;15(1):47–51

Separate domains of the insulin receptor contain sites of autophosphorylation and tyrosine kinase activity. Goren HJ, et al. **Biochemistry** 1987 Apr 21;26(8):2374–82

Purification and characterization of the receptor for insulin-like growth factor I. Morgan DO, et al. **Biochemistry** 1986 Sep 23;25(19):5560–4

Dithiothreitol activation of the insulin receptor/kinase does not involve subunit dissociation of the native alpha 2 beta 2 insulin receptor subunit complex. Sweet LJ, et al. **Biochemistry** 1986 Nov 4;25(22):7068–74

Substrate specificity and kinetic mechanism of human placental insulin receptor/kinase. Walker DH, et al. **Biochemistry** 1987 Mar 10;26(5):1428–33

Alteration of intramolecular disulfides in insulin receptor/kinase by insulin and dithiothreitol: insulin potentiates the apparent dithiothreitol-dependent subunit reduction of insulin receptor. Wilden PA, et al. **Biochemistry** 1986 Jul 29;25(15):4381–8

Receptors for insulin-like growth factors I and II in developing embryonic mouse limb bud. Bhaumick B, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):117–28

Influence of lipid environment on insulin binding in cultured hepatoma cells. Bruneau C, et al. **Biochim Biophys Acta** 1987 May 18;928(3):287–96

Receptor-mediated degradation of insulin in isolated rat adipocytes. Formation of a degradation product slightly smaller than insulin. Sonne O. **Biochim Biophys Acta** 1987 Jan 19;927(1):106–11

Recognition of covalent insulin-receptor complexes on viable adipocytes by anti-insulin antibodies. Mucke P, et al. **Biol Chem Hoppe Seyler** 1987 Feb;368(2):85–92

Impact of changes in intracellular Ca2+ and K+ concentration on the development of hormonal imprinting in a Tetrahymena model system. Köhidai L, et al. **Cell Mol Biol** 1987;33(2):265–74

Characterization of insulin binding to bovine liver and mammary microsomes. Smith DH, et al. **Comp Biochem Physiol [A]** 1986;85(1):161–9

Structural and functional studies on insulin receptors from alligator brain and liver. Shemer J, et al. **Comp Biochem Physiol [B]** 1987;86(1):55–61

The fetal heart insulin receptor responds differently to varying plasma insulin concentrations. Devaskar SU, et al. **Dev Pharmacol Ther** 1987;10(3):153–62

Altered thyroidal states modulate the insulin receptor characteristics of the developing rabbit brain. Devaskar SU, et al. **Dev Pharmacol Ther** 1986;9(5):350–60

Effect of maternal food restriction on circulating insulin and glucagon levels and on liver insulin and glucagon binding sites of fetal and suckling rats. Alvarez E, et al. **Diabete Metab** 1986 Dec;12(6):337–45

Identification of insulin receptors in epithelial cells from duodenum, jejunum, ileum, caecum, colon and rectum in the rat. Fernandez-Moreno MD, et al. **Diabete Metab** 1987 Apr;13(2):135–9

Porcine and human semisynthetic insulin bind equally to the insulin receptor on red blood cells. Gherzi R, et al. **Diabete Metab** 1986 Aug;12(4):225–6

125 I-insulin binding to cultured fibroblasts in non-insulin-dependent diabetes in the young. Naidoo C, et al. **Diabete Metab** 1987 Jun;13(3):222–4

Effect of metformin on peripheral insulin sensitivity in non insulin dependent diabetes mellitus. Prager R, et al. **Diabete Metab** 1986 Dec;12(6):346–50

Phosphorylation of purified insulin receptor by cAMP kinase. Roth RA, et al. **Diabetes** 1987 Jan;36(1):123–6

Brown adipose tissue in lean and obese mice. Insulin-receptor binding and tyrosine kinase activity. Tanti JF, et al. **Diabetes** 1986 Nov;35(11):1243–8

Adipocyte insulin binding and action in moderately obese NIDDM patients after dietary control of plasma glucose: reversal of postbinding abnormalities. Hjøllund E, et al. **Diabetes Care** 1987 May–Jun;10(3):306–12

Effect of metformin on insulin-stimulated glucose turnover and insulin binding to receptors in type II diabetes. Nosadini R, et al. **Diabetes Care** 1987 Jan–Feb;10(1):62–7

Receptor binding properties of human insulin (recombinant DNA) and human proinsulin and their interaction at the receptor site. Prager R, et al. **Diabetes Care** 1982 Nov–Dec; 5 Suppl 2:104–6

Receptor binding studies and clinical effects of human insulin (recombinant DNA): studies in patients with newly diagnosed type i diabetes, type II diabetes, insulin resistance (type A and type B), insulin antibodies, insulin allergy, and "brittle" diabetes.Schlüter KJ, et al. **Diabetes Care** 1982 Nov–Dec;5 Suppl 2:152–60

A study of erythrocyte insulin receptors in normal Indian and African volunteers. Jialal I, et al. **Diabetes Res** 1987 May;5(1):35–8

Metabolism of a mutant insulin by a receptor-mediated process and an insulin degrading enzyme. Kobayashi M, et al. **Diabetes Res Clin Pract** 1986 Sep–Oct;2(5):257–62

Insulin binding to differentiating muscle cell line L6. Watanabe N, et al. **Diabetes Res Clin Pract** 1986 Sep–Oct; 2(5):283–9

The effect of glibenclamide administration on insulin sensitivity and insulin binding to monocytes in normal subjects. Olczak SA, et al. **Diabetic Med** 1985 Sep; 2(5):352–4

Characterization of insulin-like growth factor I receptors on human erythroleukemia cell line (K–562 cells). Hizuka N, et al. **Endocrinol Jpn** 1987 Feb;34(1):81–8

Demonstration of insulin receptors and modulation of alkaline phosphatase activity by insulin in rat osteoblastic cells. Levy JR, et al. **Endocrinology** 1986 Oct;119(4):1786–92

Insulin-related changes in the subcellular distribution of insulin receptors in intact rat liver: effects of acute hypoinsulinemia induced by diazoxide, somatostatin, and xylazine. López S, et al. **Endocrinology** 1987 May; 120(5):1695–702

Down-regulation of cell surface insulin receptors in primary cultured rat adipocytes by sodium vanadate. Marshall S, et al. **Endocrinology** 1987 Sep;121(3):1116–22

Insulin specific binding sites in the myometrium of pregnant rats. Sakamoto H, et al. **Endocrinology** 1987 May; 120(5):1951–5

Interaction of insulin-like growth factor II with rat chondrocytes: receptor binding, internalization, and degradation. Sessions CM, et al. **Endocrinology** 1987 May; 120(5):2108–16

Characterization and regulations of the receptor for insulin-like growth factor-I in the FRTL-5 rat thyroid follicular cell line. Tramontano D, et al. **Endocrinology** 1987 Feb;120(2):785–90

Characterization and regulation of somatomedin-C/insulin-like growth factor I (Sm-C/IGF-I) receptors on cultured pig Leydig cells. Effects of Sm-C/IGF-I on luteotropin receptors and steroidogenesis. Perrard-Sapori MH, et al. **Eur J Biochem** 1987 May 15;165(1):209–14

Distribution of 125I-insulin in cardiocytes at steady state binding conditions at 37 degrees C. Junger E, et al. **Eur J Cell Biol** 1986 Aug;41(2):298–303

Insulin and IGF receptors are developmentally regulated in the chick embryo eye lens. Bassas L, et al. **Exp Cell Res** 1987 Feb;168(2):561–6

Dependence of insulin degradation by intact erythrocytes on receptor binding in diabetic patients. Marttinen A. **Exp Clin Endocrinol** 1986 Nov;88(1):71–5

Phospholipid activation of the insulin receptor kinase: regulation by phosphatidylinositol. Sweet LJ, et al. **FASEB J** 1987 Jul;1(1):55–9

Disulfide bonds within the alpha-subunit of insulin receptors in rat liver and brain membranes. Nagao M, et al. **FEBS Lett** 1987 Apr 6;214(1):107–10

Rat liver membranes contain a 120 kDa glycoprotein which serves as a substrate for the tyrosine kinases of the receptors for insulin and epidermal growth factor. Phillips SA, et al. **FEBS Lett** 1987 Feb 9;212(1):141–4

Effect of short- and long-term chlorpropamide therapy on oral glucose tolerance and erythrocyte insulin receptors in non-obese non-insulin dependent diabetes mellitus. el-Andere W, et al. **Horm Metab Res** 1987 Jun;19(6):257–63

Characterization of insulin receptors in liver membranes and isolated hepatocytes during rat ontogenic development. Blázquez E, et al. **Horm Metab Res** 1986 Oct;18(10):666–71

Ontogenesis of the insulin receptor in the rabbit brain. Devaskar SU, et al. **Horm Res** 1986;24(4):319–27

Insulin-like growth factor (IGF)/somatomedin receptor subtypes: structure, function, and relationships to insulin receptors and IGF carrier proteins. Rechler MM, et al. **Horm Res** 1986;24(2–3):152–9 (23 ref.)

Effect of cAMP on down-regulation of erythrocyte insulin receptor. Nakao K, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):351–2

Characteristics of insulin receptors solubilized from rabbit erythrocytes. Nakao K, et al. **Indian J Biochem Biophys** 1986 Apr;23(2):61–5

Comparison of insulin receptors from bovine retinal blood vessels and nonvascular retinal tissue. Im JH, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1681–90

The insulin receptor. Structural basis for high affinity ligand binding. Böni-Schnetzler M, et al. **J Biol Chem** 1987 Jun 15;262(17):8395–401

Structural differences between liver- and muscle-derived insulin receptors in rats. Burant CF, et al. **J Biol Chem** 1986 Nov 5;261(31):14361–4

Effect of monoclonal antibodies on human insulin receptor autophosphorylation, negative cooperativity, and down-regulation. Forsayeth JR, et al. **J Biol Chem** 1987 Mar 25;262(9):4134–40

Effect of phenylarsine oxide on insulin-dependent protein phosphorylation and glucose transport in 3T3-L1 adipocytes. Frost SC, et al. **J Biol Chem** 1987 Jul 15; 262(20):9872–6

Comparison of insulin-like growth factor I receptor and insulin receptor purified from human placental membranes. Fujita-Yamaguchi Y, et al. **J Biol Chem** 1986 Dec 15; 261(35):16727–31

Regulation of insulin receptor internalization in vascular endothelial cells by insulin and phorbol ester. Hachiya HL, et al. **J Biol Chem** 1987 May 5;262(13):6417–24

Myristyl and palmityl acylation of the insulin receptor. Hedo JA, et al. **J Biol Chem** 1987 Jan 25;262(3):954–7

Stimulation of insulin-like growth factor II receptor binding and insulin receptor kinase activity in rat adipocytes. Effects of vanadate and H2O2. Kadota S, et al. **J Biol Chem** 1987 Jun 15;262(17):8252–6

An antibody that blocks insulin-like growth factor (IGF) binding to the type II IGF receptor is neither an agonist nor an inhibitor of IGF-stimulated biologic responses in L6 myoblasts. Kiess W, et al. **J Biol Chem** 1987 Sep 15; 262(26):12745–51

The covalent tagging of the cell surface insulin receptor in intact cells with the generation of an insulin-free, functional receptor. A new approach to the study of receptor dynamics. Knutson VP. **J Biol Chem** 1987 Feb 15; 262(5):2374–83

Insulin stimulation of the insulin receptor kinase can occur in the complete absence of beta subunit autophosphorylation. Morrison BD, et al. **J Biol Chem** 1987 Feb 25;262(6):2861–8

Interferon-alpha down-regulates insulin receptors in lymphoblastoid (Daudi) cells. Relationship to inhibition of cell proliferation. Pfeffer LM, et al. **J Biol Chem** 1987 Mar 15;262(8):3665–70

Nuclear translocation of the insulin receptor. A possible mediator of insulin's long term effects. Podlecki DA, et al. **J Biol Chem** 1987 Mar 5;262(7):3362–8

The protein-tyrosine kinase activity of the insulin receptor is necessary for insulin-mediated receptor down-regulation. Russell DS, et al. **J Biol Chem** 1987 Aug 25;262(24):11833–40

Effect of depletion of bicarbonate or phosphate ions on insulin action in rat adipocytes. Further characterization of the receptor-effector system. Shechter Y, et al. **J Biol Chem** 1986 Nov 15;261(32):14951–4

Insulin-like growth factor I receptors in neuronal and glial cells. Characterization and biological effects in primary culture. Shemer J, et al. **J Biol Chem** 1987 Jun 5; 262(16):7693–9

Characterization of an endogenous substrate related to insulin and insulin-like growth factor-I receptors in lizard brain. Shemer J, et al. **J Biol Chem** 1987 Mar 15;262(8):3436–9

Fasting and refeeding alter the insulin receptor tyrosine kinase in chicken liver but fail to affect brain insulin receptors. Simon J, et al. **J Biol Chem** 1986 Dec 25; 261(36):17081–8

ATP-Mn2+ stimulates the generation of a putative mediator of insulin action. Suzuki S, et al. **J Biol Chem** 1987 Mar 5;262(7):3199–204

Characterization of an endogenous substrate of the insulin receptor in cultured cells. White MF, et al. **J Biol Chem** 1987 Jul 15;262(20):9769–77

Phosphorylation of glycolytic and gluconeogenic enzymes by the insulin receptor kinase. Sale EM, et al. **J Cell Biochem** 1987 Jan;33(1):15–26

Characterization of a Drosophila protein that binds both epidermal growth factor and insulin-related growth factors. Garcia JV, et al. **J Cell Biol** 1987 Jul;105(1):449–56

Chymotrypsin substrate analogues inhibit endocytosis of insulin and insulin receptors in adipocytes. Jochen AL, et al. **J Cell Biol** 1986 Nov;103(5):1807–16

Insulin binding and processing by H4IIEC3 hepatoma cells: ultrastructural and biochemical evidence for a unique route of internalization and processing. Smith RM, et al. **J Cell Physiol** 1987 Mar;130(3):428–35

Characteristics of hepatic receptors for somatomedin-C/insulin-like growth factor I and insulin in the developing human. Chernausek SD, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):737–43

Defects in insulin binding and autophosphorylation of erythrocyte insulin receptors in patients with syndromes of severe insulin resistance and their parents. Grigorescu F, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):549–56

Structural and immunological characterization of insulin-like growth factor II binding to IM-9 cells. Misra P, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1400–5

Relationship of insulin binding and insulin-stimulated tyrosine kinase activity is altered in type II diabetes. Comi RJ, et al. **J Clin Invest** 1987 Feb;79(2):453–62

Decreased kinase activity of insulin receptors from adipocytes of non-insulin-dependent diabetic subjects. Freidenberg GR, et al. **J Clin Invest** 1987 Jan;79(1):240–50

Monocyte-T lymphocyte interaction for regulation of insulin receptors of the activated T lymphocyte. Helderman JH, et al. **J Clin Invest** 1987 Feb;79(2):566–71

Cross-linking of insulin receptors to MHC antigens in human B lymphocytes: evidence for selective molecular interactions. Samson M, et al. **J Immunol** 1986 Oct 1; 137(7):2293–8

Characterization of somatomedin/insulin-like growth factor receptors and correlation with biologic action in cultured neonatal rat astroglial cells. Han VK, et al. **J Neurosci** 1987 Feb;7(2):501–11

Radioautographic localization and regulation of the insulin receptors in rat testis. Abelé V, et al. **J Recept Res** 1986; 6(5–6):461–73

Regulation of the protein kinase activity of the human insulin receptor. Herrera R, et al. **J Recept Res** 1987;7(4):405–15

A thermodynamic approach to hormone-receptor interaction; application to insulin binding to adipocytes, adipocyte plasma membranes and liposomes incorporating adipocyte insulin receptors. Jones MN, et al. **J Recept Res** 1986;6(5–6):361–80

Post-translational acquisition of ligand binding- and tyrosine kinase-domain function by the epidermal growth factor and insulin receptors. Lane MD, et al. **J Recept Res** 1987; 7(1–4):321–54

Testing models of insulin binding in rat adipocytes using network thermodynamic computer simulations. Martin TJ, et al. **J Recept Res** 1986;6(3–4):323–36

Internalization of receptor and hormone after hormonal imprinting, as detected with colloidal gold labeled insulin in cultures of a permanent liver cell line. Csaba G, et al. **J Submicrosc Cytol** 1987 Jan;19(1):11–8

Induction of insulin receptor expression of human leukemic cells by 1 alpha, 25 dihydroxyvitamin D3. Chaplinski TJ, et al. **Leuk Res** 1987;11(1):37–41

Effect of chlorpropamide on glucose transport in rat adipocytes in the absence of changes in insulin binding and receptor-associated tyrosine kinase activity. Jacobs DB, et al. **Metabolism** 1987 Jun;36(6):548–54

Glucose intolerance in Friedreich's ataxia: association with insulin resistance and decreased insulin binding. Khan RJ, et al. **Metabolism** 1986 Nov;35(11):1017–23

Down-regulation of insulin receptors in Propionibacterium acnes-activated macrophages in the mouse. Bautista AP, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):59–68

Identification of insulin receptors on rat Sertoli cells. Oonk RB, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):51–62

A chimaeric receptor allows insulin to stimulate tyrosine kinase activity of epidermal growth factor receptor. Riedel H, et al. **Nature** 1986 Nov 6–12;324(6092):68–70

Reduction in insulin receptors in amyotrophic lateral sclerosis correlates with reduced insulin sensitivity. Perurena OH, et al. **Neurology** 1987 Aug;37(8):1375–9

Comparative effects of several simple carbohydrates on erythrocyte insulin receptors in obese subjects. Rizkalla SW, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):681–8

Decreased binding to hypothalamic insulin receptors in young genetically obese rats. Melnyk RB. **Physiol Behav** 1987;40(2):237–41

Insulin-activated tyrosine phosphorylation of a 15-kilodalton protein in intact 3T3-L1 adipocytes. Bernier M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1844–8

Monoclonal antibodies to the human insulin receptor that activate glucose transport but not insulin receptor kinase activity. Forsayeth JR, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3448–51

Differential sensitivity of two functions of the insulin receptor to the associated proteolysis: kinase action and hormone binding. Kathuria S, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8570–4

Regulation of insulin-like growth factor II receptors by growth hormone and insulin in rat adipocytes. Lönnroth P, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3619–22

Acute insulin action requires insulin receptor kinase activity: introduction of an inhibitory monoclonal antibody into mammalian cells blocks the rapid effects of insulin. Morgan DO, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):41–5

Insulin stimulates phosphorylation of a 120-kDa glycoprotein substrate (pp120) for the receptor-associated protein kinase in intact H-35 hepatoma cells. Perrotti N, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3137–40

Homologous down-regulation of the insulin receptor is associated with increased receptor biosynthesis in cultured human lymphocytes (IM-9 line). Rouiller DG, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):126–30

A superactive insulin: [B10-aspartic acid]insulin(human). Schwartz GP, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6408–11

Ultrastructural evidence for the accumulation of insulin in nuclei of intact 3T3-L1 adipocytes by an insulin-receptor mediated process. Smith RM, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):459–63

Multisite phosphorylation of the alpha subunit of transducin by the insulin receptor kinase and protein kinase C. Zick Y, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9294–7

Evidence for a subtype of insulin-like growth factor I receptor in brain. Heidenreich KA, et al. **Regul Pept** 1986 Nov;15(4):301–10

Structure of the insulin receptor and post-receptor events in cells from a type A insulin-resistant patient with normal alpha-subunit but defective function of the beta-subunit of the insulin receptor. Grunberger G, et al. **Trans Assoc Am Physicians** 1985;98:171–81

Insulin receptor binding and metabolic effects of insulin in human subcutaneous adipose tissue in untreated non-insulin dependent diabetes mellitus. Arner P, et al. **Ups J Med Sci** 1987;92(1):47–58

[Insulin resistance] Vavřinec J. **Cesk Pediatr** 1987 Mar; 42(3):155–8 (25 ref.) (Eng. Abstr.) **(Cze)**

[Binding of human and porcine insulin to erythrocyte and monocyte receptors in healthy subjects and type I and II diabetic patients] Kautzky L, et al. **Orv Hetil** 1987 Mar 29;128(13):671–3 (Eng. Abstr.) **(Hun)**

[Insulin receptors in type II diabetes treated unsuccessfully with oral hypoglycemic agents. Preliminary results] Bertoli A, et al. **Minerva Endocrinol** 1986 Apr–Jun;11(2):111–4 (Eng. Abstr.) **(Ita)**

[Kinase activity associated with the insulin receptor: biochemical characterization] Cordera R, et al. **Minerva Endocrinol** 1986 Apr–Jun;11(2):107–10 (Eng. Abstr.) **(Ita)**

[Insulin binding to erythrocytes in chronic glucocorticoid deficiency--investigation before and during replacement therapy] Yasuda K, et al. **Nippon Naibunpi Gakkai Zasshi** 1987 Mar 20;63(3):239–46 (Eng. Abstr.) **(Jpn)**

[Decreased insulin bindings to erythrocytes in acute hepatitis:

correlation with the degree of hepatic damage] Nishimura Y. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb; 84(2):239–46 (Eng. Abstr.) **(Jpn)**

[Insulin receptor function of the fat cell plasma membranes with an elevated thyroid hormone content in humans and animals] Pavliuk PM, et al. **Fiziol Zh** 1987 Jul–Aug; 33(4):74–9 (Eng. Abstr.) **(Rus)**

[Age and features of insulin reception by the plasma membranes of liver cells] Linnik IV, et al. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):66–9 (Eng. Abstr.) **(Rus)**

[Immunoglobulins and insulin–binding capacity of T lymphocytes in diabetes mellitus types I and II] Antsiferov MB, et al. **Sov Med** 1986;(7):25–8 (Eng. Abstr.) **(Rus)**

[Effect of lipid peroxidation on the insulin receptor in rat adipocytes] Ivanov VV, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):57–61 (Eng. Abstr.) **(Rus)**

[Characteristics of receptor systems in patients with diabetes mellitus] Zamaklar M, et al. **Srp Arh Celok Lek** 1986 Sep; 114(9):859–66 (Eng. Abstr.) **(Scc)**

PHARMACODYNAMICS

A putative mediator of insulin action which inhibits adenylate cyclase and adenosine 3',5'-monophosphate–dependent protein kinase: partial purification from rat liver: site and kinetic mechanism of action. Malchoff CD, et al. **Endocrinology** 1987 Apr;120(4):1327–37

PHYSIOLOGY

Changes in insulin receptor functions of the erythrocyte by treatment of non–insulin–dependent diabetes mellitus (NIDDM) patients with glibenclamide and diet control. Agarwal VR, et al. **Acta Diabetol Lat** 1986 Jul–Sep; 23(3):233–8

Early events in insulin actions. Denton RM. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1986; 20:293–341 (316 ref.)

Insulin and insulinlike growth factor receptors and responses in cultured human muscle cells. Shimizu M, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E611–5

Modifications of cellular lipids induce insulin resistance in cultured hepatoma cells. Bruneau C, et al. **Biochim Biophys Acta** 1987 May 18;928(3):297–304

Musculotrophic effects of insulin receptors before and after denervation. Hofmann WW. **Brain Res** 1987 Jan 20; 401(2):312–21

Mechanisms of receptor–mediated transmembrane communication. Ellis L, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:773–84

Insulin receptors in embryo and extraembryonic membranes of early somite rat conceptus. Unterman T, et al. **Diabetes** 1986 Nov;35(11):1193–9

The insulin receptor concept and its relation to the treatment of diabetes. Ward GM. **Drugs** 1987 Feb;33(2):156–70 (115 ref.)

The type II insulin–like growth factor (IGF) receptor has low affinity for IGF–I analogs: pleiotypic actions of IGFs on myoblasts are apparently mediated by the type I receptor. Ewton DZ, et al. **Endocrinology** 1987 Jan; 120(1):115–23

Adenosine modulates insulin activation of insulin receptor kinase in intact rat adipocytes. Klein HH, et al. **Endocrinology** 1987 Jun;120(6):2339–45

Mediation of insulin–like growth factor actions by the insulin receptor in H–35 rat hepatoma cells. Krett NL, et al. **Endocrinology** 1987 Jan;120(1):401–8

Characterization of insulin and insulin–like growth factor I receptors of purified Leydig cells and their role in steroidogenesis in primary culture: a comparative study. Lin T, et al. **Endocrinology** 1986 Oct;119(4):1641–7

Interaction of receptors for insulin–like growth factor I, platelet–derived growth factor, and fibroblast growth factor in rat aortic cells. Pfeifle B, et al. **Endocrinology** 1987 Jun;120(6):2251–8

Internalization of polypeptide hormones and receptor recycling. Carpentier JL, et al. **Experientia [Suppl]** 1987; 53:47–65 (92 ref.)

Insulin receptors: structure and function. Van Obberghen E, et al. **Experientia [Suppl]** 1987;53:31–45 (88 ref.)

Monoclonal antibodies to the insulin receptor as probes of insulin receptor structure and function. Goldfine ID, et al. **Horiz Biochem Biophys** 1986;8:471–502

Insulin–like growth factors, insulin, and epidermal growth factor cause rapid cytoskeletal reorganization in KB cells. Clarification of the roles of type I insulin–like growth factor receptors and insulin receptors. Kadowaki T, et al. **J Biol Chem** 1986 Dec 5;261(34):16141–7

Insulin stimulation of aminoisobutyric acid transport in human skin fibroblasts is mediated through both insulin and type I insulin–like growth factor receptors. Chaiken RL, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1181–5

The type II insulin–like growth factor receptor does not mediate deoxyribonucleic acid synthesis in human fibroblasts. Furlanetto RW, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1142–9

Insulin–related receptors in the early chick embryo: from tissue patterns to possible function. Bassas L, et al. **J Exp Zool** 1987;Suppl:299–307

A primary defect in insulin receptor in a young male patient with insulin resistance. Takata Y, et al. **Metabolism** 1986 Oct;35(10):950–5

Internalization and recycling of 125I–photoreactive insulin–receptor complexes in hepatocytes in primary culture. Carpentier JL, et al. **Mol Cell Endocrinol** 1986 Oct; 47(3):243–55

An insulin–like growth factor (IGF) binding protein enhances the biologic response to IGF–I. Elgin RG, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3254–8

Linking functional domains of the human insulin receptor with the bacterial aspartate receptor. Ellis L, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8137–41

After insulin binds. Rosen OM. **Science** 1987 Sep 18; 237(4821):1452–8 (76 ref.)

[Progress in insulin receptor research] Shao ZY. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr;17(2):144–9 (56 ref.) **(Chi)**

[Influence of fructose on erythrocyte insulin receptors in obese diabetics and non–diabetics] Rizkalla SW, et al. **Journ Annu Diabetol Hotel Dieu** 1986;:207–17 **(Fre)**

[Postreceptor defect in the effectiveness of insulin: significance of the kallikrein–kinin–prostaglandin system] Dietze GJ, et al. **Beitr Infusionther Klin Ernahr** 1986; 16:92–102 **(Ger)**

[Role of the ATP–Mg generated by plasma membranes in mediating signal transmission from the insulin receptor and other regulators to membrane kinase] Karelin AA. **Vestn Akad Med Nauk SSSR** 1986;(8):77–90 (162 ref.) **(Rus)**

RECEPTORS, LDL

[Similar domains in different proteins: detection and significance] Barker WC, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):54–68 (78 ref.) **(Jpn)**

ANALYSIS

Studies on the correlation between the quantity of LDL–binding sites of platelets and the serum cholesterol levels. Geró S, et al. **Adv Exp Med Biol** 1987;210:237–44

Immunoassay of bovine and human low–density–lipoprotein receptors using monoclonal antibodies. Knight BL, et al. **Biochem J** 1986 Sep 1;238(2):405–10

Effect of ketoconazole on cholesterol synthesis and on HMG–CoA reductase and LDL–receptor activities in Hep G2 cells. Kempen HJ, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1245–9

Detection of distinct receptors for native and acetylated low–density lipoproteins in human placental microvilli by ligand–immunoblotting. Rebourcet R, et al. **Biochimie** 1986 Sep;68(9):1135–40

Heterogeneity of mouse vascular endothelium. In vitro studies of lymphatic, large blood vessel and microvascular endothelial cells. Gumkowski F, et al. **Blood Vessels** 1987; 24(1–2):11–23

Regulation of low–density lipoprotein receptors: implications for pathogenesis and therapy of hypercholesterolemia and atherosclerosis. Goldstein JL, et al. **Circulation** 1987 Sep; 76(3):504–7

Binding of low–density lipoprotein and chylomicron remnants to the hepatic low–density lipoprotein receptor of dogs, rats and rabbits demonstrated by ligand blotting. Failure to detect a distinct chylomicron–remnant–binding protein by ligand blotting. Wade DP, et al. **Eur J Biochem** 1986 Sep 1;159(2):333–40

The surface distribution of low density lipoprotein receptors on cultured fibroblasts and endothelial cells. Ultrastructural evidence for dispersed receptors. Sanan DA, et al. **Histochemistry** 1987;86(5):517–23

Specific binding sites for gonadotrophin–releasing hormone, LH/chorionic gonadotrophin, low–density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. II: Concentrations throughout the luteal phase of the menstrual cycle and early pregnancy. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):317–27

[Familial hypercholesterolemia. Study of low–density lipoprotein receptors. Treatment with plasmapheresis] Bellini C, et al. **Minerva Pediatr** 1986 Oct 31;38(20):893–902 (Eng. Abstr.) **(Ita)**

[Lipoprotein metabolism and the molecular structure of the LDL receptor] Sunaga T, et al. **Nippon Rinsho** 1987 Jan; 45(1):213–29 (57 ref.) **(Jpn)**

[Deficiency of LDL receptors in a hypercholesteremic patient with analbuminemia (letter)] Masana L, et al. **Rev Clin Esp** 1987 Apr;180(7):406 **(Spa)**

BIOSYNTHESIS

Characterization of the estrogen–induced lipoprotein receptor of rat liver. Cooper AD, et al. **J Lipid Res** 1987 Jan;28(1):59–68

DEFICIENCY

Cholestyramine treatment in early life of low–density lipoprotein receptor deficient Watanabe rabbits: decreased aortic cholesteryl ester accumulation and atherosclerosis in adult life. Subbiah MT, et al. **Biochim Biophys Acta** 1987 Aug 15;920(3):251–8

Effect of low density lipoprotein receptor deficiency on the metabolism of apolipoprotein B–100 in blood plasma. Kinetic studies in normal and Watanabe heritable hyperlipidemic rabbits. Yamada N, et al. **J Clin Invest** 1987 Aug;80(2):507–15

DRUG EFFECTS

Stimulation of low density lipoprotein receptor activity by conditioned medium from a human cancer cell line. Shiroeda O, et al. **Cancer Res** 1987 Sep 1;47(17):4630–3

GENETICS

A DNA probe for the LDL receptor gene is tightly linked to hypercholesterolemia in a pedigree with early coronary disease. Leppert MF, et al. **Am J Hum Genet** 1986 Sep; 39(3):300–6

Expression of the 3–hydroxy–3–methylglutaryl coenzyme A–reductase and LDL–receptor genes in human embryonic tumours and in normal foetal tissues. Engström W, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):337–42

Recombinant DNA technology and low–density lipoprotein receptor defects. Davison J, et al. **Biochem Soc Trans** 1987 Apr;15(2):202–3 (12 ref.)

Duplication of seven exons in LDL receptor gene caused by Alu–Alu recombination in a subject with familial hypercholesterolemia. Lehrman MA, et al. **Cell** 1987 Mar 13;48(5):827–35

42 bp element from LDL receptor gene confers end–product repression by sterols when inserted into viral TK promoter. Südhof TC, et al. **Cell** 1987 Mar 27;48(6):1061–9

The LDL receptor in familial hypercholesterolemia: use of human mutations to dissect a membrane protein. Russell DW, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:811–9

Unequal crossing–over between two alu–repetitive DNA sequences in the low–density–lipoprotein–receptor gene. A possible mechanism for the defect in a patient with familial hypercholesterolaemia. Horsthemke B, et al. **Eur J Biochem** 1987 Apr 1;164(1):77–81

Family study in familial hypercholesterolemia with a receptor–negative homozygous 9–year–old boy. Clemens P, et al. **Helv Paediatr Acta** 1986 Aug;41(3):173–82

Familial hypercholesterolemia in South African Afrikaners. PvuII and StuI DNA polymorphisms in the LDL–receptor gene consistent with a predominating founder gene effect. Brink PA, et al. **Hum Genet** 1987 Sep;77(1):32–5

Linkage relationships of the insulin receptor gene with the complement component 3, LDL receptor, apolipoprotein C2 and myotonic dystrophy loci on chromosome 19. Shaw DJ, et al. **Hum Genet** 1986 Nov;74(3):267–9

In vivo regulation of hepatic LDL receptor mRNA in the baboon. Differential effects of saturated and unsaturated fat. Fox JC, et al. **J Biol Chem** 1987 May 25;262(15):7014–20

Deletion of exon encoding cysteine–rich repeat of low density lipoprotein receptor alters its binding specificity in a subject with familial hypercholesterolemia. Hobbs HH, et al. **J Biol Chem** 1986 Oct 5;261(28):13114–20

The Lebanese allele at the low density lipoprotein receptor locus. Nonsense mutation produces truncated receptor that is retained in endoplasmic reticulum. Lehrman MA, et al. **J Biol Chem** 1987 Jan 5;262(1):401–10

Alu–Alu recombination deletes splice acceptor sites and produces secreted low density lipoprotein receptor in a subject with familial hypercholesterolemia. Lehrman MA, et al. **J Biol Chem** 1987 Mar 5;262(7):3354–61

Three direct repeats and a TATA–like sequence are required for regulated expression of the human low density lipoprotein receptor gene. Südhof TC, et al. **J Biol Chem** 1987 Aug 5;262(22):10773–9

Chinese hamster ovary cell mutant with defective down–regulation of low density lipoprotein receptors. Tomita K, et al. **J Biol Chem** 1987 Jan 25;262(3):1398–404

Identification of deletions in the human low density lipoprotein receptor gene. Horsthemke B, et al. **J Med Genet** 1987 Mar;24(3):144–7

DNA–mediated transfer of human gene required for low–density lipoprotein receptor expression and for multiple Golgi processing pathways. Kingsley DM, et al. **Mol Cell Biol** 1986 Jul;6(7):2734–7

Characterization of a family of gamma–ray–induced CHO mutants demonstrates that the ldlA locus is diploid and encodes the low–density lipoprotein receptor. Sege RD, et al. **Mol Cell Biol** 1986 Sep;6(9):3268–77

Deletion in the gene for the low–density–lipoprotein receptor in a majority of French Canadians with familial hypercholesterolemia. Hobbs HH, et al. **N Engl J Med** 1987 Sep 17;317(12):734–7

Pst I RFLP close to the LDL receptor gene. Funke H, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7820

Double Msp I RFLP in the human LDL receptor gene. Geisel J, et al. **Nucleic Acids Res** 1987 May 11;15(9):3943

AvaII polymorphism in the human LDL receptor gene. Hobbs HH, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):379

A RFLP associated with the low–density lipoprotein receptor gene (LDLR). Kotze MJ, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):376

Human LDL receptor gene: two ApaLI RFLPs. Leitersdorf E, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2782

RFLP for the human LDL receptor gene (LDLR): Bst EII. Steyn LT, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4702

Characterization of a thrombomodulin cDNA reveals structural similarity to the low density lipoprotein receptor. Jackman RW, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8834–8

Mevinolin, an inhibitor of cholesterol synthesis, induces mRNA for low density lipoprotein receptor in livers of hamsters and rabbits. Ma PT, et al.

Proc Natl Acad Sci USA 1986 Nov;83(21):8370–4

Linkage disequilibrium between a marker on the LDL receptor and high cholesterol levels [letter] Bissbort S, et al. **S Afr Med J** 1987 Jan 24;71(2):124

Low-density lipoprotein-receptor gene haplotypes in Afrikaans-speaking patients with homozygous familial hypercholesterolaemia. Further evidence in support of a founder gene. Henderson HE, et al. **S Afr Med J** 1987 Feb 21;71(4):218–20

DNA deletions and DNA polymorphisms of the low density lipoprotein (LDL) receptor gene--their use in diagnosis. Humphries SE, et al. **Verh Dtsch Ges Inn Med** 1986; 92:397–401

IMMUNOLOGY

Autoantibodies to the low density lipoprotein receptor in a subject affected by severe hypercholesterolemia. Corsini A, et al. **J Clin Invest** 1986 Oct;78(4):940–6

METABOLISM

Functional domains of apolipoprotein E and apolipoprotein B. Innerarity TL, et al. **Acta Med Scand [Suppl]** 1987; 715:51–9 (27 ref.)

Protein domains of the low density lipoprotein receptor. Russell DW. **Acta Med Scand [Suppl]** 1987;715:39–44

HDL clearance and receptor-mediated catabolism of LDL are reduced in hypothyroid rats. Gross G, et al. **Atherosclerosis** 1987 Aug;66(3):269–75

Apolipoprotein E-mediated binding of hypertriglyceridemic very low density lipoproteins to isolated low density lipoprotein receptors detected by ligand blotting. Brown SA, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):333–40

Induction of acetylated low density lipoprotein receptor and suppression of low density lipoprotein receptor on the cells of human monocytic leukemia cell line (THP-1 cell). Hara H, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):802–8

Identification of low density lipoprotein receptor binding domains of human apolipoprotein B-100: a proposed consensus LDL receptor binding sequence of apoB-100. Hospattankar AV, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1078–85

Inhibition of cellular cholesterol esterification can decrease low density lipoprotein receptor number in human fibroblasts. Middleton B. **Biochem Biophys Res Commun** 1987 May 29;145(1):350–6

Inhibition of the binding of low density lipoproteins to liver membrane receptors by rat serum phosphorylcholine binding protein. Saxena U, et al. **Biochem Biophys Res Commun** 1986 Nov 26;141(1):151–7

Effect of trypsin treatment on the heparin- and receptor-binding properties of human plasma low-density lipoproteins. Cardin AD, et al. **Biochemistry** 1986 Sep 9; 25(18):5258–63

Oxidation of low-density lipoprotein by thiol compounds leads to its recognition by the acetyl LDL receptor. Parthasarathy S. **Biochim Biophys Acta** 1987 Feb 14; 917(2):337–40

Increase in hepatic low-density lipoprotein receptor activity during pregnancy in Watanabe heritable hyperlipidemic rabbits; an animal model for familial hypercholesterolemia. Shiomi M, et al. **Biochim Biophys Acta** 1987 Jan 13; 917(1):92–100

The effect of diffusion on the trapping of membrane-bound receptors by localized coated pits. Peacock-Lopez E, et al. **Biophys Chem** 1986 Dec 15;25(2):117–25

Preparation of drug-low density lipoprotein complexes for delivery of antitumoral drugs via the low density lipoprotein pathway. Lundberg B. **Cancer Res** 1987 Aug 1;47(15):4105–8

The cell-interactive properties of glucosylated very-low-density and low-density lipoproteins. Turk Z, et al. **Cell Mol Biol** 1987;33(3):345–54

In vivo binding and uptake of low-density lipoprotein-gold- and albumin-gold conjugates by parenchymal and sinusoidal cells of the fetal rat liver. Franke H, et al. **Cell Tissue Res** 1987 Jul;249(1):221–6

Regulation of synthesis and cell content of the low-density-lipoprotein receptor protein in cultured fibroblasts from normal and familial hypercholesterolaemic subjects. Knight BL, et al. **Eur J Biochem** 1987 Feb 16; 163(1):189–96

Cell surface distribution and intracellular fate of human beta-very low density lipoprotein in cultured peritoneal mouse macrophages: a cytochemical and immunocytochemical study. Robenek H, et al. **Eur J Cell Biol** 1987 Feb;43(1):110–20

Sterol depletion reduces receptor-mediated low-density lipoprotein binding in NS-1 mouse myeloma cells. Chen JK, et al. **Exp Cell Res** 1987 Jul;171(1):76–85

Specific modulation of surface receptors in J.774 macrophages by anchorage. Ventura MA, et al. **Exp Cell Res** 1987 Jun;170(2):290–9

Immunoblotting and ligand blotting of the low-density lipoprotein receptor of human liver, HepG2 cells and HeLa cells. Havinga JR, et al. **FEBS Lett** 1987 Jun 1; 216(2):275–80

Biliary excretion of apolipoprotein B by the isolated perfused rat liver. Relationship to receptor-mediated uptake of human low-density lipoprotein and biliary lipid secretion. Kawamoto T, et al. **Gastroenterology** 1987 May;92(5 Pt 1):1236–42

Regulation of low density lipoprotein receptor activity in primary cultures of human hepatocytes by serum lipoproteins. Havekes LM, et al. **Hepatology** 1986 Nov-Dec;6(6):1356–60

Provision of cholesterol to lymphocytes by high density and low density lipoproteins. Requirement for low density lipoprotein receptors. Cuthbert JA, et al. **J Biol Chem** 1987 Jun 5;262(16):7808–18

The low density lipoprotein receptor. Identification of amino acids in cytoplasmic domain required for rapid endocytosis. Davis CG, et al. **J Biol Chem** 1987 Mar 25;262(9):4075–82

Transport of beta-very low density lipoproteins and chylomicron remnants by macrophages is mediated by the low density lipoprotein receptor pathway. Ellsworth JL, et al. **J Biol Chem** 1987 Feb 15;262(5):2316–25

Purification of catalytic subunit of low density lipoprotein receptor kinase and identification of heat-stable activator protein. Kishimoto A, et al. **J Biol Chem** 1987 Jul 5; 262(19):9367–73

Phosphorylation of serine 833 in cytoplasmic domain of low density lipoprotein receptor by a high molecular weight enzyme resembling casein kinase II. Kishimoto A, et al. **J Biol Chem** 1987 Jan 25;262(3):1344–51

Detection and quantitation of low density lipoprotein (LDL) receptors in human liver by ligand blotting, immunoblotting, and radioimmunoassay. LDL receptor protein content is correlated with plasma LDL cholesterol concentration. Soutar AK, et al. **J Biol Chem** 1986 Dec 25;261(36):17127–33

The effect of mevinolin on steroidogenesis in patients with defects in the low density lipoprotein receptor pathway. Laue L, et al. **J Clin Endocrinol Metab** 1987 Mar; 64(3):531–5

Lipoprotein binding to cultured human hepatoma cells. Krempler F, et al. **J Clin Invest** 1987 Aug;80(2):401–8

Foam cell-forming J774 macrophages have markedly elevated acyl coenzyme A:cholesterol acyl transferase activity compared with mouse peritoneal macrophages in the presence of low density lipoprotein (LDL) despite similar LDL receptor activity. Tabas I, et al. **J Clin Invest** 1987 Feb;79(2):418–26

In vivo evidence for reduced binding of low density lipoproteins to receptors as a cause of primary moderate hypercholesterolemia. Vega GL, et al. **J Clin Invest** 1986 Nov;78(5):1410–4

Expression of low density lipoprotein receptor in cultured human granulosa cells: regulation by human chorionic gonadotropin, cyclic AMP, and sterol. Golos TG, et al. **J Lipid Res** 1986 Oct;27(10):1089–96

A dot-blot assay for the low density lipoprotein receptor. Maggi FM, et al. **J Lipid Res** 1987 Jan;28(1):108–12

A low density lipoprotein-sized particle isolated from human atherosclerotic lesions is internalized by macrophages via a non-scavenger-receptor mechanism. Morton RE, et al. **J Lipid Res** 1986 Nov;27(11):1124–34

Sequence, structure, receptor-binding domains and internal repeats of human apolipoprotein B-100. Yang CY, et al. **Nature** 1986 Oct 23-29;323(6090):738–42

Lipophilic beta-adrenoceptor antagonists stimulate low density lipoprotein receptor activity in human skin fibroblasts. Bernini F, et al. **Pharmacology** 1987; 34(4):225–32

mRNA for low density lipoprotein receptor in brain and spinal cord of immature and mature rabbits. Hofmann SL, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6312–6

Recognition of solubilized apoproteins from delipidated, oxidized low density lipoprotein (LDL) by the acetyl-LDL receptor. Parthasarathy S, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):537–40

Interactions of triglyceride-rich lipoproteins with receptors: modulation by thrombin. Gianturco SH, et al. **Semin Thromb Hemost** 1986 Oct;12(4):277–9

[Catabolism of low-density lipoproteins via receptors and its regulation] Mazière JC, et al. **Ann Biol Clin (Paris)** 1986; 44(5):545–50 (63 ref.) (Eng. Abstr.) **(Fre)**

[Significance of the LDL receptor in arteriosclerosis] Sailer D. **Fortschr Med** 1987 Apr 25;105(12):226–9 (Eng. Abstr.) **(Ger)**

[The LDL receptor and arteriosclerosis] Keller C. **Med Klin** 1986 Jul 18;81(15–16):530–3 **(Ger)**

[The LDL receptor: its role in maintaining cholesterol homeostasis and in arteriosclerosis] Cybulska B, et al. **Kardiol Pol** 1987;30(2):110–9 (37 ref.) **(Pol)**

[Cellular lipoprotein receptors in atherogenesis. II. Receptors for modified lipoproteins in macrophages] Konarska R, et al. **Przegl Lek** 1986;43(11):713–7 **(Pol)**

[Cellular lipoprotein receptors in atherogenesis. I. LDL receptors in cholesterol metabolism] Konarska R. **Przegl Lek** 1986;43(9):628–31 **(Pol)**

PHYSIOLOGY

The role of the LDL receptor in lipoprotein metabolism. Bilheimer DW, et al. **Adv Exp Med Biol** 1987;210:123–30

Regulation of plasma cholesterol by hepatic low-density lipoprotein receptors. Kovanen PT. **Am Heart J** 1987 Feb; 113(2 Pt 2):464–9 (13 ref.)

Kinetic characteristics and mechanisms of regulation of receptor-dependent and receptor-independent LDL transport in the liver of different animal species and humans. Meddings JB, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):475–81

Receptor-mediated endocytosis: concepts emerging from the LDL receptor system. Goldstein JL, et al. **Annu Rev Cell Biol** 1985;1:1–39 (120 ref.)

Role of the liver for the receptor-mediated catabolism of low-density lipoprotein in the 17 alpha-ethinylestradiol-treated rat. Rudling MJ. **Biochim Biophys Acta** 1987 Jun 2;919(2):175–80

Colloidal gold labeling studies related to vascular and endothelial function, hemostasis and receptor-mediated processing of plasma macromolecules. Handley DA, et al. **Eur J Cell Biol** 1987 Feb;43(1):163–74 (208 ref.)

Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. Davis CG, et al. **Nature** 1987 Apr 23–29;326(6115):760–5

Restoration of LDL receptor activity in mutant cells by intercellular junctional communication. Hobbie L, et al. **Science** 1987 Jan 2;235(4784):69–73

[LDL receptors and correlations with atherogenesis] Etienne J, et al. **Ann Biol Clin (Paris)** 1987;45(1):20–36 (37 ref.) **(Fre)**

[LDL receptors] Blanco Vaca F, et al. **Rev Clin Esp** 1987 May;180(9):507–12 (55 ref.) (Eng. Abstr.) **(Spa)**

RECEPTORS, LECTIN see **RECEPTORS, MITOGEN**

RECEPTORS, LH

ANALYSIS

LH/hCG receptor in pig follicular fluid. Kolena J, et al. **Endocrinol Exp (Bratisl)** 1986 Dec;20(4):339–48

Interstitial cell heterogeneity in rat testes. II. Purification of cells by Percoll and metrizamide gradient centrifugation with preferential localization of gonadotropin binding sites in light cell fraction and hormone-induced steroidogenesis in heavier cell fraction. Bhalla VK, et al. **J Biol Chem** 1987 Apr 15;262(11):5322–32

Interstitial cell heterogeneity in rat testes. I. Purification of collagenase-dispersed Leydig cells by unit gravity sedimentation and demonstration of binding sites for gonadotropin in light cells versus enhanced steroidogenesis in heavier cells. Bhalla VK, et al. **J Biol Chem** 1987 Apr 15;262(11):5313–21

Specific binding sites for gonadotrophin-releasing hormone, LH/chorionic gonadotrophin, low-density lipoprotein, prolactin and FSH in homogenates of human corpus luteum. II: Concentrations throughout the luteal phase of the menstrual cycle and early pregnancy. Bramley TA, et al. **J Endocrinol** 1987 May;113(2):317–27

Radioreceptor and autoradiographic analysis of FSH, hCG and prolactin binding sites in primary to antral hamster follicles during the periovulatory period. Roy SK, et al. **J Reprod Fertil** 1987 Jan;79(1):307–13

Visualization of the rat ovarian lutropin receptor by ligand blotting. Keinänen KP, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):33–8

The mechanism of hormonal receptor regulation in the rat ovary following administration of gonadotropin and prolactin. Ota H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):471–8

Interspecies differences in testicular LH receptors and in vitro testosterone production among rodents. Amador AG, et al. **Rev Esp Fisiol** 1986 Sep;42(3):389–93

[Study of a method of B and F separation of hCG by radioreceptor assay] Chen ML, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Dec;17(4):265–8 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Transforming growth factor-beta regulates the expression of luteinizing hormone receptors in ovarian granulosa cells. Knecht M, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):800–7

DRUG EFFECTS

Effect of human chorionic gonadotropin on luteinizing hormone and prolactin binding by testes of bilaterally cryptorchid rats. Grizard G, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):432–9

Effects of an LHRH agonist on endocrine function, LHRH receptor and LH/hCG receptor in the pituitary-gonadal axis of male rats. Komatsu M, et al. **Endocrinol Jpn** 1986 Apr;33(2):185–95

Effect of protein-modifying reagents on water-soluble and membrane bound ovarian LH/hCG receptor. Kolena J, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):237–9

Clomiphene citrate augments follicle-stimulating hormone-induced luteinizing hormone receptor content in cultured rat granulosa cells. Kessel B, et al. **Fertil Steril** 1987 Feb;47(2):334–40

ISOLATION & PURIFICATION

Subunits of luteinizing hormone-human chorionic gonadotropin receptor from bovine corpora lutea. Saxena BB, et al. **Biochemistry** 1986 Dec 2;25(24):7943–50

Purification and partial characterization of rat ovarian lutropin receptor. Keinänen KP, et al. **J Biol Chem** 1987 Jun 5;262(16):7920–6

Purification and characterization of the rat ovarian receptor for luteinizing hormone. Structural studies of subunit

interaction. Kusuda S, et al. **J Biol Chem** 1986 Dec 5; 261(34):16161–8

Purification and characterization of ovarian LH/hCG and prolactin receptors. Dufau ML, et al. **J Recept Res** 1987; 7(1–4):167–93

[A high-capacity affinity gel for the purification of the testicular luteotropin receptor] Jallal B, et al. **C R Acad Sci [III]** 1986;303(3):73–6 (Eng. Abstr.) **(Fre)**

METABOLISM

Regulation of LH receptors and steroidogenesis in the foetal rat testis in vivo. Warren DW, et al. **Acta Endocrinol (Copenh)** 1987 Jun;115(2):189–95

Porcine follicular fluid containing water-soluble LH/hCG receptor. Kolena J, et al. **Arch Int Physiol Biochim** 1986 Nov;94(4):261–70

Rat ovarian lutropin receptor is a transmembrane protein. Evidence for an Mr-20,000 cytoplasmic domain. Keinänen KP, et al. **Biochem J** 1986 Oct 1;239(1):83–7

The dual regulation of cyclic AMP and calcium by luteinizing hormone and the mechanisms of desensitization and recycling of the luteinizing hormone receptor. Cooke BA, et al. **Biochem Soc Trans** 1987 Feb;15(1):26–8

Structure and membrane topography of the lutropin receptor. Rajaniemi HJ, et al. **Biochem Soc Trans** 1987 Feb;15(1):55–7

Internalization and recycling of lutropin receptors upon stimulation by porcine lutropin and human choriogonadotropin in porcine Leydig cells. Genty N, et al. **Biol Cell** 1987;59(2):129–35

Testicular LH receptors and circulating hormone levels in three mouse models for inherited diseases (Tfm/y, lit/lit and hyt/hyt). Amador AG, et al. **Endocrinol Exp (Bratisl)** 1986 Dec;20(4):349–58

Modulation of testicular receptors for LH, FSH and prolactin by the administration of ovine prolactin in mature rat. Ota H, et al. **Endocrinol Jpn** 1986 Aug;33(4):469–77

The role of subunit sialic acid in the thyrotropic and gonadotropic activities of human chorionic gonadotropin. Amir SM, et al. **Endocrinology** 1987 Jul;121(1):160–6

On the fates of receptor-bound ovine luteinizing hormone and human chorionic gonadotropin in cultured Leydig tumor cells. Demonstration of similar rates of internalization. Ascoli M, et al. **Endocrinology** 1987 Mar; 120(3):1161–72

Receptors for chorionic gonadotropin in the corpus luteum of the rhesus monkey during simulated early pregnancy: lack of down-regulation. Ottobre JS, et al. **Endocrinology** 1986 Oct;119(4):1594–602

Aprotinin antagonizes the binding of human chorionic gonadotropin to its receptor. Wilks JW, et al. **Endocrinology** 1987 Mar;120(3):946–52

Characterization and regulation of somatomedin-C/insulin-like growth factor I (Sm-C/IGF-I) receptors on cultured pig Leydig cells. Effects of Sm-C/IGF-I on luteotropin receptors and steroidogenesis. Perrard-Sapori MH, et al. **Eur J Biochem** 1987 May 15;165(1):209–14

Different processing of LH/hCG receptors in cultured rat luteal cells and murine Leydig tumour cells (MLTC-1). Kellokumpu S. **Exp Cell Res** 1987 Feb;168(2):299–308

Immunoprecipitation of the lutropin/choriogonadotropin receptor from biosynthetically labeled Leydig tumor cells. A 92-kDa Glycoprotein. Kim IC, et al. **J Biol Chem** 1987 Jan 5;262(1):470–7

Regulation of gonadotropin receptors, gonadotropin responsiveness, and cell multiplication by somatomedin-C and insulin in cultured pig Leydig cells. Bernier M, et al. **J Cell Physiol** 1986 Nov;129(2):257–63

A solid-phase receptor binding assay for 125I-hCG. Bortolussi M, et al. **J Immunoassay** 1987;8(2–3):219–35

Progesterone production, LH receptors, and oxytocin secretion by ovine luteal cell types on days 6, 10 and 15 of the oestrous cycle and day 25 of pregnancy. Harrison LM, et al. **J Reprod Fertil** 1987 Mar;79(2):539–48

Kinetic and autoradiographic studies on binding of hCG to the testicular LH receptors of neonatal rats. Huhtaniemi IT, et al. **J Reprod Fertil** 1986 Sep;78(1):73–82

Effects of lutropin (LH) receptor internalization and recycling on the apparent numbers of LH receptors in rat testis Leydig cells at different temperatures. Habberfield AD, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):153–61

Gonadotropin binding sites in human ovarian follicles and corpora lutea during the menstrual cycle. Shima K, et al. **Obstet Gynecol** 1987 May;69(5):800–6

A receptor-binding region in human choriogonadotropin/lutropin beta subunit. Keutmann HT, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2038–42

PHYSIOLOGY

Membrane methylation in isolated rat testis interstitial cells unmasks functional luteinizing hormone receptors. Solano AR, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):107–13

RECEPTORS, LOW DENSITY LIPOPROTEINS see **RECEPTORS, LDL**

RECEPTORS, LUTEINIZING HORMONE see **RECEPTORS, LH**

RECEPTORS, MITOGEN

Studies on glycoproteins in the human malaria parasite Plasmodium falciparum--lectin binding properties and the possible carbohydrate-protein linkage. Ramasamy R. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):147–52

Characterization of the human B cell stimulatory factor 1 receptor. Park LS, et al. **J Exp Med** 1987 Aug 1; 166(2):476–88

Cluster glycosides. Lee RT, et al. **Methods Enzymol** 1987; 138:424–9

ANALYSIS

Binding pattern of ferritin-labeled lectins (RCAI and WGA) during neural tube closure in the bantam embryo. Takahashi H, et al. **Anat Embryol (Berl)** 1986;174(3):283–8

Lectin receptors of amyloid in corneas with lattice dystrophy. Panjwani N, et al. **Arch Ophthalmol** 1987 May; 105(5):688–91

Isolation and characterization of Rana catesbeiana lectin and demonstration of the lectin-binding glycoprotein of rodent and human tumor cell membranes. Nitta K, et al. **Cancer Res** 1987 Sep 15;47(18):4877–83

Bone marrow pro-T and pro-B lymphocyte clones express functional receptors for interleukin (IL) 3 and IL 4/BSF-1 and nonfunctional receptors for IL 2. Sideras P, et al. **Eur J Immunol** 1987 Feb;17(2):217–21

Two-dimensional gel electrophoretic analysis of lectin receptors in the bovine interphotoreceptor matrix. Uehara F, et al. **Exp Eye Res** 1986 Aug;43(2):227–34

A post-embedding avidin-biotin peroxidase system to demonstrate the light and electron microscopic localization of lectin binding sites in rat kidney tubules. Jones CJ, et al. **Histochem J** 1986 Jul;18(7):371–9

Light microscopical detection of antigens and lectin binding sites with gold-labelled reagents on semi-thin Lowicryl K4M sections: usefulness of the photochemical silver reaction for signal amplification. Taatjes DJ, et al. **Histochem J** 1987 Apr;19(4):235–45

Lectin binding and surface glycoprotein pattern of human macrophage populations. Kreipe H, et al. **Histochemistry** 1986;86(2):201–6

The use of avidin-gold complex for light microscopic localization of lectin receptors. Skutelsky E, et al. **Histochemistry** 1987;86(3):291–5

Lectin binding sites in human seminiferous epithelium, in CIS cells and in seminomas. Malmi R, et al. **Int J Androl** 1987 Feb;10(1):157–62

Differential redistribution of lectin receptor classes on clonal rat myotubes and myoblasts. Sawyer JT, et al. **J Cell Sci** 1986 Jul;83:181–96

Lectin binding to the luminal surface of bronchiolar neuroepithelial bodies of Balb/C mouse. Ito T, et al. **J Electron Microsc (Tokyo)** 1987;36(1–2):26–35

Ultrastructural localization of wheat germ agglutinin-binding sites in Escherichia coli with wheat germ agglutinin-gold complexes. Morioka H, et al. **J Electron Microsc (Tokyo)** 1987;36(1–2):36–9

The localization of laminin, fibronectin, and lectin-binding sites on the epidermal basal lamina. Osawa T. **J Electron Microsc (Tokyo)** 1986;35(3):259–71

Detection of receptors for murine B cell stimulatory factor 1 (BSF1): presence of functional receptors on CBA/N splenic B cells. Nakajima K, et al. **J Immunol** 1987 Aug 1;139(3):774–9

Receptors for B-cell stimulatory factor-1 expressed on cells of haematopoietic lineage. Ohara J, et al. **Nature** 1987 Feb 5–11;325(6104):537–40

Lectin binding patterns and monoclonal antibodies to epidermal antigens in tumours of the skin. Matalanis G, et al. **Pathology** 1986 Apr;18(2):206–11

Characterization of the high-affinity cell-surface receptor for murine B-cell-stimulating factor 1. Park LS, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1669–73

[Pisum sativum lectin receptor in normal epithelial and squamous cancer cells of the human esophagus] Sun C. **Chung Hua I Hsueh Tsa Chih** 1986 Oct;66(10):597–9 (Eng. Abstr.) **(Chi)**

[Significance of PHA labeling in the diagnosis of gastric cancer] Zhu WN, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Nov;25(11):652–4, 700 (Eng. Abstr.) **(Chi)**

[Specific lectin binding on pancreatic tissue and its applicability in the isolation of islet cells] Petersen P, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986; 19(4):262–6 **(Ger)**

[Histochemical and two-dimensional gel electrophoretic analysis of lectin receptors in the degenerative retina of C3H mouse] Uehara F, et al. **Nippon Ganka Gakkai Zasshi** 1986 Sep;90(9):1152–8 (Eng. Abstr.) **(Jpn)**

[Effect of thyroid hormones on the histotopography of lectin receptors in the rat salivary gland] Lutsik AD, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):492–5 (Eng. Abstr.) **(Rus)**

[Evaluation of the distribution of lectin receptors on the surface of tumor and transformed cells using methods of variation statistics] Khomutovskiĭ OA, et al. **Eksp Onkol** 1987;9(3):59–62 (Eng. Abstr.) **(Rus)**

[Localization of lectin receptors on the surface of C1300 neuroblastoma cells] Khomutovskiĭ OA, et al. **Eksp Onkol** 1986;8(4):41–5 (Eng. Abstr.) **(Rus)**

[Lectin receptors in transitional cell tumors of the bladder] Dmitruk IM, et al. **Vopr Onkol** 1987;33(4):60–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Evidence for an association between CD23 and the receptor for a low molecular weight B cell growth factor. Gordon J, et al. **Eur J Immunol** 1986 Dec;16(12):1627–30

[Effect of neutral solvents on lectin binding of healthy and psoriatic epidermis] Wollina U, et al. **Z Hautkr** 1986 Oct 1;61(19):1379–82 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Coupling of B cell surface Ig, Ia and BSF1 receptors to intracellular "second messengers".Cambier JC, et al. **Adv Exp Med Biol** 1987;213:195–205

B lymphocyte activation. The roles of receptor cross-linkage and BSF-1. Paul WE, et al. **Adv Exp Med Biol** 1987; 213:207–14

Immuno- and histochemical studies on galactan and human blood group-related receptors in the bovine lung. Vierbuchen M, et al. **Immunobiology** 1986 Aug; 172(1–2):11–20

NDA3: a differentiation antigen associated with the receptor for B cell growth factor. Suciu-Foca N, et al. **Immunol Res** 1986;5(3):165–72

B lymphocytes respond specifically to phytohaemagglutinin after liposome-dependent transfer of purified phytohaemagglutinin receptors. Letellier M, et al. **Scand J Immunol** 1987 May;25(5):517–26

ISOLATION & PURIFICATION

A lectin-binding glycoprotein of Mr 135,000 associated with basal keratinocytes in pig epidermis. King IA, et al. **Biochem J** 1986 Jul 15;237(2):405–14

Isolation and characterization of a receptor lectin specific for galactose/N-acetylgalactosamine from macrophages. Kawasaki T, et al. **Carbohydr Res** 1986 Aug 15;151:197–206

Isolation and characterization of a wheat germ agglutinin-binding glycoprotein from B16 mouse melanoma cells. Pinnaduwage PD, et al. **Carbohydr Res** 1986 Aug 15;151:51–64

Receptors for fucose-binding proteins of Lotus tetragonolobus isolated from mouse embryonal carcinoma cells. Structural characteristics of the poly(N-acetyllactosamine)-type glycan. Kamada Y, et al. **Eur J Biochem** 1987 Mar 16;163(3):497–502

Isolation of the thrombospondin membrane receptor. Asch AS, et al. **J Clin Invest** 1987 Apr;79(4):1054–61

METABOLISM

Distribution of lectin receptors in postimplantation mouse embryos at 6–8 days gestation. Kimber SJ. **Am J Anat** 1986 Oct;177(2):203–19

Regional heterogeneity of glycoconjugate distribution in the glomerulus revealed by lectin-gold cytochemistry and SDS-PAGE [published erratum appears in Am J Pathol 1987 Aug;128(2):216] Brown D, et al. **Am J Pathol** 1986 Dec;125(3):601–10

Functional incorporation and preferred orientation of phytohemagglutinin receptor glycoproteins in phospholipid vesicles. Dupuis G, et al. **Biochem Cell Biol** 1987 Feb; 65(2):120–9

Double label freeze-etch study of the relative topography of concanavalin A and wheat germ agglutinin receptors at the myoblast surface. Barber KR, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):395–401

Interactions of lectins with normal, swainsonine-treated and ricin-resistant baby hamster kidney BHK cells. Foddy L, et al. **Carbohydr Res** 1986 Aug 15;151:293–304

Binding sites of Ulex europaeus-lectin I in human parotid gland. A light-microscopic and ultrastructural study using the immunoperoxidase technique and immunocryoultramicrotomy. Born IA, et al. **Cell Tissue Res** 1987 May;248(2):455–61

Receptors to agglutinin from Dolichus biflorus (DBA) at the synaptic basal lamina of rat neuromuscular junction. A histochemical study during development and denervation. Ribera J, et al. **Cell Tissue Res** 1987 Apr;248(1):111–7

Precocious development of lectin (Ulex europaeus agglutinin I) receptors in dome epithelium of gut-associated lymphoid tissues. Roy MJ. **Cell Tissue Res** 1987 Jun;248(3):483–9

A comparison of wheat germ agglutinin binding between normal and sickle red blood cells. Wise GE, et al. **Cell Tissue Res** 1987 May;248(2):267–73

Identification of lectin-receptor monosaccharides on the endothelium of retinal capillaries. Pino RM, et al. **Curr Eye Res** 1986 Aug;5(8):625–8

Impairment of monocyte "lectin-like" receptor activity in type 1 (insulin-dependent) diabetic patients. Glass EJ, et al. **Diabetologia** 1987 Apr;30(4):228–31

RCA I-binding patterns of the Golgi apparatus. Pavelka M, et al. **Eur J Cell Biol** 1986 Aug;41(2):270–8

Ultrastructural localization of lectin receptors in the monkey retinal photoreceptors and pigment epithelium: application of lectin-gold complexes on thin sections. Koide H, et al. **Exp Eye Res** 1986 Sep;43(3):343–54

Griffonia simplicifolia lectins bind specifically to endothelial cells and some epithelial cells in mouse tissues. Laitinen L. **Histochem J** 1987 Apr;19(4):225–34

Purification and characterisation of a cytosolic protease from

S-180 cells and its effect on WGA binding. Chakrabarti R, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):334–8
Lectin binding to pseudoexfoliative material and the ocular zonules. Streeten BW, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1516–21
PNA-binding sites in sebaceous tumors. Tamaki K, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):118–21
Properties and distribution of a lectin-like hemagglutinin differentially expressed by murine stromal tissue macrophages. Crocker PR, et al. **J Exp Med** 1986 Dec 1;164(6):1862–75
Characterization of the cell surface receptors for human B cell growth factor of 12,000 molecular weight. Mehta SR, et al. **J Immunol** 1986 Oct 1;137(7):2210–4
Differentiation-associated carbohydrate chain on human hematopoietic cells recognized by Clerodendron trichotomum lectin. Shichijo S, et al. **Leuk Res** 1987; 11(7):603–8
Lectin binding sites on the luminal surface of ependymal cells of the rat spinal cord: implications for neuropathological investigation. Damjanov I, et al. **Neurosurgery** 1987 May; 20(5):722–5
[Labeling of testicular biopsies with lectins. Value of Evonymus europaeus agglutinin] Roussel F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(2):177–81 (Eng. Abstr.) **(Fre)**
[Characterization of lectin binding by psoriatic epidermis—dependence on pH] Wollina U, et al. **Z Hautkr** 1987 Feb 1;62(3):202–5 (Eng. Abstr.) **(Ger)**
[Lectin binding of psoriatic skin] Wollina U, et al. **Z Hautkr** 1986 Sep 1;61(17):1241–9 (Eng. Abstr.) **(Ger)**
[Lectin binding by structures of the submandibular gland of the rat during postnatal ontogenesis in the presence of thyroid pathology] Lutsik AD, et al. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):40–8 (Eng. Abstr.) **(Rus)**
[Lectin receptors in the salivary glands of the rat during postnatal ontogenesis] Lutsik AD, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):27–35 (Eng. Abstr.) **(Rus)**
[Carbohydrate determinants of organs of the reproductive tract of the mouse according to the results of using lectins with different specificities] Volkova OV, et al. **Arkh Anat Gistol Embriol** 1987 Jan;92(1):62–9 (Eng. Abstr.) **(Rus)**
[Dissecting aneurysm of the aorta: histochemical study using a set of lectins with different carbohydrate specificity] Zerbino DD, et al. **Arkh Patol** 1987;49(3):20–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Thrombin-receptor occupancy initiates a transient increase in cAMP levels in mitogenically responsive hamster (NIL) fibroblasts. Gordon EA, et al. **Ann NY Acad Sci** 1986; 485:249–63 (49 ref.)
The role of the L3T4 molecule in mitogen and antigen-activated signal transduction. Rosoff PM, et al. **Cell** 1987 Jun 19;49(6):845–53
B-cell activation stimulated by monoclonal anti-Lyb2.1 antibody is mediated through a receptor distinct from the BSF-1 receptor. Laurindo I, et al. **Cell Immunol** 1987 Sep; 108(2):473–82

RADIATION EFFECTS

Effect of in vivo gamma-irradiation on the binding of wheat germ agglutinin on lymphocyte plasma membranes. Moullier P, et al. **Biochim Biophys Acta** 1986 Oct 1; 883(3):407–12

RECEPTORS, MORPHINE see **RECEPTORS, ENDORPHIN**

RECEPTORS, MUSCARINIC

Molecular properties of the muscarinic acetylcholine receptor. Nathanson NM. **Annu Rev Neurosci** 1987; 10:195–236 (284 ref.)
Alpha and beta adrenergic and muscarinic cholinergic receptor structure. Venter JC, et al. **Biochem Soc Symp** 1986;52:1–22
Primary structure of porcine cardiac muscarinic acetylcholine receptor deduced from the cDNA sequence. Kubo T, et al. **FEBS Lett** 1986 Dec 15;209(2):367–72

ANALYSIS

Depressed atrial inotropic response in the rat with chronic ethanol ingestion. Baker SP, et al. **Alcohol** 1987 Jan-Feb; 4(1):7–10
Multiple muscarinic receptors in the CNS. Significance and prospects for future research. Hoss W, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3895–901 (101 ref.)
Beta-adrenergic responsiveness and cardiac autonomic receptors after implantation of the MtTW15 pituitary adenoma in the rat. Nelson CA, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1297–302
Regional distribution of muscarinic receptors preferring gallamine in the rat brain. Price M, et al. **Biochem Pharmacol** 1986 Dec 1;35(23):4171–6
Expression of neurotransmitter receptors and myc protooncogenes in subclones of a human neuroblastoma cell line. Sadée W, et al. **Cancer Res** 1987 Oct 1; 47(19):5207–12
Muscarinic binding sites in newborn brain from intrauterine growth-retarded rabbits. Harel S, et al. **Childs Nerv Syst** 1986;2(3):112–4
Muscarinic receptors and amylase secretion of rat pancreatic acini during cerulein-induced acute pancreatitis. Morisset J, et al. **Dig Dis Sci** 1987 Aug;32(8):872–7
Intra-regional variations in the effect of aging on high affinity choline uptake, choline acetyltransferase and muscarinic cholinergic receptors in rat neostriatum. Strong R, et al. **Exp Gerontol** 1986;21(3):177–86
Ontogenesis of autonomic receptors and AChE activity in the rat vas deferens. Miranda HF, et al. **Gen Pharmacol** 1987;18(4):425–9
Muscarinic receptor subtypes: a critique of the current classification and a proposal for a working nomenclature. Eglen RM, et al. **J Auton Pharmacol** 1986 Dec;6(4):323–46 (159 ref.)
Cholinergic topography in Alzheimer brains: a comparison with changes in the monoaminergic profile. Nordberg A, et al. **J Neural Transm** 1987;69(1–2):19–32
Distribution of neurotransmitter binding sites in the cat median eminence. Seybold VS, et al. **Neuroendocrinology** 1987 Jun;46(1):32–8
Muscarinic receptor subtypes in hippocampus in Alzheimer's disease and mixed dementia type. Nordberg A, et al. **Neurosci Lett** 1986 Sep 25;70(1):160–4
Extraneural cholinergic markers in Alzheimer's and Parkinson's disease. Adem A, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(3–5):247–57
Cholinergic receptors in aging and Alzheimer's disease. Whitehouse PJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(3–5):665–76 (94 ref.)
[Effect of microenvironment on the conformation of m-cholinoreceptors in brain synaptic membranes] Merezhinskaia NV, et al. **Biofizika** 1987 Jan-Feb; 32(1):69–72 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Myocardial opiate receptor activity is stereospecific, independent of muscarinic receptor antagonism, and may play a role in depressing cardiac function. Vargish T, et al. **Surgery** 1987 Aug;102(2):171–7

BIOSYNTHESIS

Induction of muscarinic acetylcholine, serotonin and substance P receptors in Xenopus oocytes injected with mRNA prepared from the small intestine of rats. Aoshima H, et al. **Brain Res** 1987 Apr;388(1):15–20

CLASSIFICATION

Muscarinic receptors mediating suppression of the M-current in guinea-pig olfactory cortex neurones may be of the M2-subtype. Constanti A, et al. **Br J Pharmacol** 1987 Jan; 90(1):3–5
Heterogeneity of muscarinic receptors coupled to phosphoinositide breakdown in guinea pig brain and peripheral tissues. Noronha-Blob L, et al. **Life Sci** 1987 Aug 24;41(8):967–75

DRUG EFFECTS

The interaction of pancuronium and vecuronium with cardiac muscarinic receptors. Sugai Y, et al. **Acta Anaesthesiol Scand** 1987 Apr;31(3):224–6
Source of calcium for contractions induced by depolarization and muscarinic receptor stimulation in rabbit urinary bladder. Batra S, et al. **Acta Physiol Scand** 1987 Aug; 130(4):545–51
On the interrelations of immune and mediator receptors of mice lymphocytes. Alexeeva TA, et al. **Allergol Immunopathol (Madr)** 1986 Jul-Aug;14(4):325–7
Bovine pancreatic polypeptide as an antagonist of muscarinic cholinergic receptors. Pan GZ, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G384–91
Interaction of AOA 39, D600, verapamil and diltiazem with cardiac cholinergic effects. Mubagwa K, et al. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):71–84
Evidence for a central muscarinic action by 1-(2-methyl-3-hydroxy-5-hydroxymethyl-4-pyridyl)-6,7-dihydroxy-1,2, 3,4-tetrahydroisoquinoline in regulating blood pressure in the anesthetized dog. Siu PM, et al. **Arch Int Pharmacodyn Ther** 1987 Jan;285(1):43–9
Affinity of pyridylalkylamines for nicotinic, muscarinic and histaminic recognition sites in brain tissue preparations. Repond C, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1191–4
Phorbol esters alter muscarinic receptor binding and inhibit polyphosphoinositide breakdown in human neuroblastoma (SH-SY5Y) cells. Serra M, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):160–6
Acute and sub-acute inhalation of an organophosphate induce alteration of cholinergic muscarinic receptors. Aas P, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1261–6
Modulation of the number of muscarinic receptors in mouse neuroblastoma cells by soman. Blanchet G, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):4077–81
The selectivity of the (-)-and (+)-forms of hyoscine methiodide and of hyoscyamine camphorsulphonate for muscarinic (M2) receptors. Barlow RB, et al. **Br J Pharmacol** 1986 Oct;89(2):439–44
A further search for selective antagonists at M2-muscarinic receptors. Barlow RB, et al. **Br J Pharmacol** 1986 Dec; 89(4):837–43
The effect of sulphydryl block on the binding of H1-antagonists to the muscarinic receptor. Burgen AS, et al. **Br J Pharmacol** 1983 Dec;80(4):600–1
Muscarinic activity of McN-A-343 and its value in muscarinic receptor classification. Eglen RM, et al. **Br J Pharmacol** 1987 Apr;90(4):693–700
Competitive and non-competitive antagonism exhibited by 'selective' antagonists at atrial and ileal muscarinic receptor subtypes. Eglen RM, et al. **Br J Pharmacol** 1987 Apr; 90(4):701–7
Differential effects of pertussis toxin and lithium on muscarinic responses in the atria and ileum: evidence for receptor heterogeneity. Eglen RM, et al. **Br J Pharmacol** 1987 May;91(1):6–8
Dissociation constants and relative efficacies of acetylcholine, (+)- and (-)-methacholine at muscarinic receptors in the guinea-pig ileum. Ringdahl B. **Br J Pharmacol** 1986 Sep; 89(1):7–13
Muscarinic receptors in human SH-SY5Y neuroblastoma cell line: regulation by phorbol ester and retinoic acid-induced differentiation. Adem A, et al. **Brain Res** 1987 Jun; 430(2):235–42
Blockade of cholinergic receptors by an irreversible antagonist, propylbenzilylcholine mustard (PrBCM), in the rat cerebral cortex causes deficits in passive avoidance learning. Fukuchi I, et al. **Brain Res** 1987 Jan 1;400(1):53–61
Facilitation of amphetamine-induced rotation by muscarinic antagonists is correlated with M2 receptor affinity. Hagan JJ, et al. **Brain Res** 1987 Apr 28;410(1):69–73
Selectivity of pirenzepine in the central nervous system. III. Differential effects of multiple pirenzepine and scopolamine administrations on muscarinic receptors as measured autoradiographically. Messer WS Jr, et al. **Brain Res** 1987 Mar 24;407(1):46–54
Selective increase of alpha 1-adrenoceptors and muscarinic cholinergic receptors in rat cerebral cortex after chronic haloperidol. Pazo JH, et al. **Brain Res** 1987 Jun 30; 414(2):405–8
Cyclic nucleotide potentiation of muscarinic responses in neuroblastoma cells. Tsunoo A, et al. **Brain Res** 1987 Mar 24;407(1):55–67
Muscarinic agonist binding in rat brain following chronic nicotine treatment. Yamanaka K, et al. **Brain Res** 1987 Apr 21;409(2):395–7
Clinical evaluation of the simultaneous blockade of the dopamine D-2, histamine H-1, and muscarinic cholinergic receptors in cancer chemotherapy-induced emesis: results of a controlled trial. Martin-Jimenez M, et al. **Cancer Chemother Pharmacol** 1986;18(2):168–71
Cholinergic muscarinic receptor blockade with pirenzepine abolishes slow wave sleep-related growth hormone release in normal adult males. Peters JR, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):213–7
Effects of anticonvulsants on cell growth and enzymatic and receptor binding activity in a neuroblastoma x glioma hybrid cell culture. Slesinger PA, et al. **Epilepsia** 1987 May-Jun;28(3):214–21
The use of gastrozepin as a prophylaxis against pulmonary acid aspiration: a new muscarinic receptor antagonist. Callander P, et al. **Eur J Anaesthesiol** 1987 Mar;4(2):149–53
A muscarinic receptor with high affinity for pirenzepine mediates vagally induced bronchoconstriction. Bloom JW, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):21–7
Effect of pertussis toxin on the heart acetylcholine muscarinic receptor affinity. Boyer JL, et al. **Eur J Pharmacol** 1986 Aug 7;127(1-2):49–56
Secoverine is a non-selective muscarinic antagonist on rat heart and brain receptors. Brunner F, et al. **Eur J Pharmacol** 1986 Aug 7;127(1-2):17–25
Decreased binding of the muscarinic antagonist [3H]N-methylscopolamine in mouse brain following acute treatment with an organophosphate. Cioffi CL, et al. **Eur J Pharmacol** 1986 Dec 16;132(2-3):147–54
Competitive interaction of pirenzepine with rat brain muscarinic acetylcholine receptors. el-Fakahany EE, et al. **Eur J Pharmacol** 1986 Nov 19;131(2-3):237–47
Agonist-induced muscarinic acetylcholine receptor down-regulation in intact rat brain cells. el-Fakahany EE, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):21–30
Paraoxon-induced decrease in the muscarinic acetylcholine receptor content in rat heart. Kubinec J, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):295–301
Dicyclomine- and pirenzepine-sensitive muscarinic receptors mediate inhibition of [3H]serotonin release in different rat brain areas. Marchi M, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):353–7
Characterization of muscarinic receptors in canine bronchial smooth muscle. O'Rourke ST, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):117–20
Vasoactive intestinal polypeptide (VIP) potentiates the muscarinic stimulation of phosphoinositide turnover in rat cerebral cortex. Raiteri M, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):127–8
Pharmacological profile of a novel class of muscarinic acetylcholine receptor agonists. Sauerberg P, et al. **Eur J Pharmacol** 1986 Oct 14;130(1-2):125–31
Chloroquine is a muscarinic antagonist. Binding and

dose-response studies with chick embryo cells. Schmidt H, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):83–8
Stimulation of ganglionic muscarinic M1 receptors by a series of tertiary arecaidine and isoarecaidine esters in the pithed rat. Wess J, et al. **Eur J Pharmacol** 1987 Jan 28;134(1):61–7
A comparison of muscarinic acetylcholine receptors coupled to phosphatidylinositol turnover and to adenylate cyclase in guinea-pig atria and ventricles. Woodcock EA, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):283–9
Pertussis toxin distinguishes between muscarinic receptor-mediated inhibition of adenylate cyclase and stimulation of phosphoinositide hydrolysis in Flow 9000 cells. Lo WW, et al. **FEBS Lett** 1987 Aug 10;220(1):155–8
Effect of chronic administration of haloperidol on secretory response mediated by cholinergic receptors in rat submandibular glands. Pazo JH, et al. **Gen Pharmacol** 1987; 18(1):83–5
cis(–)-2,3-Dihydro-3-(4-methylpiperazinylmethyl)-2-phenyl-1,5- benzothiazepin-4(5H)-one monohydrochloride and its butylbromide as M1-receptor antagonists. Takayanagi I, et al. **Gen Pharmacol** 1987; 18(1):91–3
Inactivation of muscarinic acetylcholine receptors in brain synaptic membranes by free fatty acids. Evaluation of the role of lipid phase. Okun IM, et al. **Gen Physiol Biophys** 1986 Jun;5(3):243–58
The role of adrenergic mechanism in tremorine-induced tremors in rats: antitremor effect of beta-adrenoceptor antagonists. Paul V. **Indian J Physiol Pharmacol** 1986 Oct-Dec;30(4):307–12
Direct evidence that pancuronium and gallamine enhance the release of norepinephrine from the atrial sympathetic nerve by inhibiting prejunctional muscarinic receptors. Kobayashi O, et al. **J Auton Nerv Syst** 1987 Jan;18(1):55–60
6-Methyl-6-azabicyclo[3.2.1]octan-3 alpha-ol 2,2-diphenylpropionate (azaprophen), a highly potent antimuscarinic agent. Carroll FI, et al. **J Med Chem** 1987 May;30(5):805–9
Differential blockade of muscarinic receptor subtypes by polymethylene tetraamines. Novel class of selective antagonists of cardiac M-2 muscarinic receptors. Melchiorre C, et al. **J Med Chem** 1987 Jan;30(1):201–4
Kinetics of solvolysis and muscarinic actions of an N-methyl-N-(2-bromoethyl)amino analogue of oxotremorine. Ringdahl B, et al. **J Med Chem** 1987 May; 30(5):852–4
Synthesis and characterization of all four isomers of the muscarinic agonist 2'-methylspiro[1-azabicyclo[2.2.2]octane-3,4'-[1,3]dioxolane]. Saunders J, et al. **J Med Chem** 1987 Jun; 30(6):969–75
Effect of exogenous phospholipase A2 treatment on cardiac muscarinic receptors of highly purified canine sarcolemmal vesicles. Rauch B, et al. **J Mol Cell Cardiol** 1987 Jun; 19(6):569–80
Central muscarinic activation elicits compulsive drinking behaviour in the rat. Schiavone A, et al. **J Pharm Pharmacol** 1987 Apr;39(4):304–6
Effect of piperidine and related alicyclic amines on nicotinic and muscarinic agonist binding sites in the mammalian brain. Yamada S, et al. **J Pharmacobiodyn** 1986 Jul; 9(7):620–5
(R)-nipecotic acid ethyl ester: a direct-acting cholinergic agonist that displays greater efficacy at M2 than at M1 muscarinic receptors. Zorn SH, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):173–8
Alterations in muscarinic receptors of ventricular muscle in carbachol-induced short-term desensitization. Kagiya T, et al. **Jpn J Pharmacol** 1986 Aug;41(4):511–7
Antimuscarinic effects of antihistamines: quantitative evaluation by receptor-binding assay. Kubo N, et al. **Jpn J Pharmacol** 1987 Mar;43(3):277–82
Copper-induced alteration of muscarinic binding in bovine adrenal medulla. Yamanaka K, et al. **Jpn J Pharmacol** 1986 Jul;41(3):415–8
The role of dopamine in behavioral supersensitivity to muscarinic antagonists following cholinesterase inhibition. Fernando JC, et al. **Life Sci** 1986 Dec 8;39(23):2169–76
Selective interaction of tricyclic antidepressants with a subclass of rat brain cholinergic muscarinic receptors. Nomura S, et al. **Life Sci** 1987 May 4;40(18):1751–60
A comparative study of the affinities of some tricyclic antidepressants for the muscarinic cholinergic receptor in human and guinea-pig bladder, ileum and brain in relation to differential drug potency. Rehavi M, et al. **Life Sci** 1987 May 4;40(18):1819–27
Effect of ethanol on receptor-stimulated phosphatidic acid and polyphosphoinositide metabolism in mouse brain. Smith TL, et al. **Life Sci** 1986 Nov 3;39(18):1675–84
Interaction of choline with muscarine receptor-stimulated phosphoinositide metabolism in the rat brain. Costa LG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):536–9
Pancuronium and gallamine are antagonists for pre- and post-junctional muscarinic receptors in the guinea-pig lung. Fryer AD, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):367–71
Determination of dissociation constants and relative efficacies of some potent muscarinic agonists at postjunctional muscarinic receptors. Grana E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):8–11
Quinidine inhibition of the muscarine receptor-activated K+ channel current in atrial cells of guinea pig. Kurachi Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):216–8
Presynaptic effects of scopolamine, oxotremorine, noradrenaline and morphine on [3H]acetylcholine release from the myenteric plexus at different stimulation frequencies and calcium concentrations. Wessler I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):597–604
Muscarine receptors on the rat phrenic nerve, evidence for positive and negative muscarinic feedback mechanisms. Wessler I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun;335(6):605–12
Binding of [3H]muscimol to calf cerebrocortical synaptic membranes and the effects of sulphur-containing convulsant and non-convulsant compounds. Egbuta JO, et al. **Neurochem Res** 1987 Jul;12(7):589–95
Interaction between acetylcholine and bradykinin in the lateral septal area of the rat brain: involvement of muscarinic receptors in cardiovascular responses. Pirola CJ, et al. **Neuropharmacology** 1986 Dec;25(12):1387–93
Clonidine prevents the short-term down regulation of muscarinic receptors in mouse brain induced by the acetylcholinesterase inhibitor soman. Aronstam RS, et al. **Neurosci Lett** 1987 Jul 9;78(1):107–12
Stimulation by vasoactive intestinal polypeptide of muscarinic receptor-mediated catecholamine secretion from isolated guinea pig adrenal medullary cells. Misbahuddin M, et al. **Neurosci Lett** 1986 Dec 23; 72(3):315–9
Effects of Ca antagonists on the action potential and their relationship to the muscarinic ACh actions in isolated sympathetic neurons of rabbits. Mochida S, et al. **Neurosci Lett** 1986 Dec 12;72(2):205–10
Observations on the muscarinic activation of catecholamine secretion in the chicken adrenal. Knight DE, et al. **Neuroscience** 1986 Sep;19(1):357–66
Neonatal ethanol exposure to rat pups: resultant alterations of cortical muscarinic and cerebellar H1-histaminergic receptor binding dynamics. Serbus DC, et al. **Neurotoxicology** 1986 Summer;7(2):257–78
Serum antimuscarinic activity after a single dose of oral scopolamine hydrobromide solution measured by radioreceptor assay. Markkanen YJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):534–8
Further characterization of the slow muscarinic responses in Xenopus oocytes. Dascal N, et al. **Pflugers Arch** 1987 Aug;409(4-5):512–20
Cross-tolerance between muscarinic agonists: role of muscarinic receptors. Collins AC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):173–82
Prevention of fluphenazine-induced changes in dopaminergic and muscarinic receptors by lithium. Gianutsos G, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):635–7
Dissociation of decreased numbers of muscarinic receptors from tolerance to DFP. Smolen TN, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1293–301
Effects of diazepam on muscarinic acetylcholine receptor binding in vivo and on oxotremorine-induced tremor and hypothermia in mice. Nordgren I, et al. **Pharmacol Toxicol** 1987 Apr;60(4):258–61
Contrasting effects of testicular and ovarian steroids upon muscarinic binding sites in the brain. Al-Dahan MI, et al. **Pharmacology** 1987;34(5):250–8
Muscarinic cholinergic agonists: pharmacological and clinical perspectives. Palacios JM, et al. **Prog Brain Res** 1986; 70:485–98 (67 ref.)
Behavioral and physiological effects associated with changes in muscarinic receptors following administration of an irreversible cholinergic agonist (BM 123). Russell RW, et al. **Psychopharmacology (Berlin)** 1986;90(3):308–15
Sex differences in muscarinic receptor binding after chronic ethanol administration in the rat. Witt ED, et al. **Psychopharmacology (Berlin)** 1986;90(4):537–42
The effects of sodium channel ligands on muscarinic receptor binding in mouse forebrain. Mack JE, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):13–21
The effects of DDT, DDOH-palmitic acid, and a chlorinated paraffin on muscarinic receptors and the sodium-dependent choline uptake in the central nervous system of immature mice. Eriksson P, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):121–7
[Selective use of the muscarinic receptor blockader gastrozepine in preventing Mendelson's syndrome in obstetrics] Nowak J. **Ginekol Pol** 1986 Dec;57(12):797–800 (Eng. Abstr.) **(Pol)**
[Solubilization by various detergents, of the muscarinic cholinoreceptor and its complex with quinuclidinyl benzilate] Rinken AA, et al. **Biokhimiia** 1987 Feb; 52(2):303–10 (Eng. Abstr.) **(Rus)**

GENETICS

Identification of a family of muscarinic acetylcholine receptor genes. Bonner TI, et al. **Science** 1987 Jul 31; 237(4814):527–32
Primary structure and biochemical properties of an M2 muscarinic receptor. Peralta EG, et al. **Science** 1987 May 1;236(4801):600–5

IMMUNOLOGY

Immunology of muscarinic acetylcholine and beta-adrenergic catecholamine receptors. Hoebeke J, et al. **Acta Med Scand [Suppl]** 1987;715:107–10

ISOLATION & PURIFICATION

Muscarinic receptor-detergent complexes with different biochemical properties: selective solubilization, lectin affinity chromatography and ligand binding studies. Repke H. **Biochim Biophys Acta** 1987 Jun 15;929(1):47–61
Electrophoretic characterization of muscarinic receptors under denaturating and nondenaturating conditions: computer-assisted Ferguson plot analysis. Repke H, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):62–73
A microtechnique for quantification of detergent-solubilized muscarinic and nicotinic acetylcholine receptors using a semi-automated cell harvestor. Ahmad A, et al. **FEBS Lett** 1987 Apr 20;214(2):285–90
Immunochemical studies of the muscarinic acetylcholine receptor. André C, et al. **J Recept Res** 1987;7(1-4):89–103

METABOLISM

Determination of thermodynamic constants for agonist binding to muscarinic receptors from rat cerebral cortex. Hedlund B, et al. **Acta Chem Scand [B]** 1987 Mar; 41(3):225–7
Cholinergic mediation of growth hormone secretion induced by thyrotropin-releasing hormone in cirrhotic patients. Vulpi R, et al. **Acta Endocrinol (Copenh)** 1987 Apr; 114(4):603–8
Autoradiographic localization of GABAergic and muscarinic cholinergic receptor sites in the visual system of the kitten. Skangiel-Kramska J, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(2-3):119–30
Muscarinic receptor density in the rat urinary bladder after denervation, hypertrophy and urinary diversion. Nilvebrant L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):306–14
Affinities of pirenzepine for muscarinic cholinergic receptors in membranes isolated from bovine tracheal mucosa and smooth muscle. Madison JM, et al. **Am Rev Respir Dis** 1987 Mar;135(3):719–24
Cholinergic muscarinic binding by human lymphocytes: changes with aging, antagonist treatment, and senile dementia of the Alzheimer type. Rabey JM, et al. **Ann Neurol** 1986 Nov;20(5):628–31
Muscarinic receptor density in skin fibroblasts and autopsied brain tissue in affective disorder. Gillin JC, et al. **Ann NY Acad Sci** 1986;487:143–9
Effects of electrical stimulation of the sympathetic nerve on the levels of beta-adrenergic and cholinergic muscarinic receptors and cyclic nucleotides in rat salivary glands. Schneyer CA, et al. **Arch Oral Biol** 1986;31(10):629–32
M2 muscarinoceptor-associated ionophore at the cat adrenal medulla. Borges R, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):965–72
Point-mutated p21ras couples a muscarinic receptor to calcium channels and polyphosphoinositide hydrolysis. Chiarugi VP, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):591–9
Phosphorylation of brain muscarinic receptor: evidence of receptor regulation. Ho AK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):911–8
Highly sensitive muscarinic receptors in the cerebellum are coupled to prostaglandin formation. Reichman M, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1256–61
Inositol 1,2-cyclic 4,5-trisphosphate is not a product of muscarinic receptor-stimulated phosphatidylinositol 4,5-bisphosphate hydrolysis in rat parotid glands. Hawkins PT, et al. **Biochem J** 1987 Apr 1;243(1):211–8
Effects of stimulation of muscarinic and of beta-catecholamine receptors on the intracellular distribution of protein kinase C in guinea pig exocrine glands. Machado-de Domenech E, et al. **Biochem J** 1987 Mar 15;242(3):749–54
Regulation of inositol trisphosphate accumulation by muscarinic cholinergic and H1-histamine receptors on human astrocytoma cells. Differential induction of desensitization by agonists. Nakahata N, et al. **Biochem J** 1987 Jan 15;241(2):337–44
Characterization of the muscarinic receptor subtype in isolated gastric fundic cells of the rabbit. Baudiere B, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2957–61
Binding of soman antidotes to acetylcholine receptors. Broomfield C, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1017–22
Verapamil interaction with the muscarinic receptor: stereoselectivity at two sites. Gerry RH, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2951–6
Temperature-dependence and heterogeneity of muscarinic agonist and antagonist binding. Gies JP, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2589–97
Influence of veratridine on [3H]-L-quinuclidinyl benzilate ([3H]QNB) binding in mouse hindbrain. Mack JE, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):991–4
Muscarinic receptor stimulated phosphoinositide turnover in cardiac atrial tissue. Quist EE, et al. **Biochem Pharmacol** 1987 Feb 15;36(4):499–505
Characterization of cholinergic muscarinic receptors in cow tracheal muscle membranes. Effect of maturation. Rothberg KG, et al. **Biochem Pharmacol** 1987 May 15;36(10):1687–95

The structure and properties of the purified muscarinic acetylcholine receptor from rat forebrain. Wheatley M, et al. **Biochem Soc Trans** 1987 Feb;15(1):113–6

Dual pathways in muscarinic receptor stimulation of phosphoinositide hydrolysis. Gurwitz D, et al. **Biochemistry** 1987 Jan 27;26(2):633–8

Role of lipids in age-related changes in the properties of muscarinic receptors in cultured rat heart myocytes. Moscona-Amir E, et al. **Biochemistry** 1986 Dec 2; 25(24):8118–24

Assessment of mechanistic proposals for the binding of agonists to cardiac muscarinic receptors. Wong HM, et al. **Biochemistry** 1986 Nov 4;25(22):6995–7008

Muscarinic acetylcholine receptor: thermodynamic analysis of the interaction of agonists and antagonists. Gies JP, et al. **Biochim Biophys Acta** 1986 Oct 31;889(1):103–15

Muscarinic receptor-stimulated Ca2+ signaling and inositol lipid metabolism in avian salt gland cells. Snider RM, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):216–24

Binding and functional profiles of the selective M1 muscarinic receptor antagonists trihexyphenidyl and dicyclomine. Giachetti A, et al. **Br J Pharmacol** 1986 Sep;89(1):83–90

Loss of pirenzepine regional selectivity following solubilization and partial purification of the putative M1 and M2 muscarinic receptor subtypes. Baumgold J, et al. **Brain Res** 1987 Apr;388(1):7–14

Impaired axonal transport of opiate and muscarinic receptors in streptozocin-diabetic rats. Laduron PM, et al. **Brain Res** 1986 Aug 20;380(2):359–62

Selectivity of pirenzepine in the central nervous system. I. Direct autoradiographic comparison of the regional distribution of pirenzepine and carbamylcholine binding sites. Messer WS Jr, et al. **Brain Res** 1987 Mar 24; 407(1):27–36

Quantitative autoradiographic analysis of muscarinic cholinergic and adenosine A1 binding sites after transient forebrain ischemia in the gerbil. Onodera H, et al. **Brain Res** 1987 Jul 14;415(2):309–22

Muscarinic and dopaminergic receptors in the aging human brain. Rinne JO. **Brain Res** 1987 Feb 24;404(1–2):162–8

Cholinergic muscarinic binding by rat lymphocytes: effects of antagonist treatment, strain and aging. Shenkman L, et al. **Brain Res** 1986 Aug 20;380(2):303–8

Brain nicotine cholinoceptor binding in spontaneous hypertension. Yamada S, et al. **Brain Res** 1987 May 5; 410(2):212–8

Chemotherapeutic agents do not interact with neurotransmitter receptors. Peroutka SJ. **Cancer Chemother Pharmacol** 1987;19(2):131–2

Heterogeneity of muscarinic cholinergic receptors in the developing human fetal brain: regional distribution and characterization. Gremo F, et al. **Early Hum Dev** 1987 May; 15(3):165–77

Expression of muscarinic cholinergic receptors during T cell maturation in the thymus. Maśliński W, et al. **Eur J Immunol** 1987 Jul;17(7):1059–63

Effects of verapamil on the binding characteristics of muscarinic receptor subtypes. Baumgold J. **Eur J Pharmacol** 1986 Jul 15;126(1–2):151–4

Autoradiographic localization of alpha-adrenoceptors, muscarinic acetylcholine receptors and opiate receptors in the heart. Dashwood MR, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):279–82

A selective effect of protein kinase C activation on pirenzepine high-affinity muscarinic receptors in a neuronal clone. Lai WS, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):201–2

Charge but not chemical class explains the selective binding of [3H]N-methylscopolamine to a subpopulation of [3H]quinuclidinyl benzilate binding sites in rat cerebral cortex homogenates. Lee NH, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):153–5

Structural requirements for affinity and efficacy of N-(4-amino-2-butynyl)succinimides at muscarinic receptors in the guinea-pig ileum and urinary bladder. Ringdahl B. **Eur J Pharmacol** 1987 Aug 4;140(1):13–23

Structure-linked latency of muscarinic receptors in axonal transport. Laduron PM, et al. **FEBS Lett** 1986 Sep 29; 206(1):83–6

Study of circadian correlations between acetylcholine muscarinic receptor and brain glycosyltransferases by multivariate analysis. Broquet P, et al. **Int J Biochem** 1987; 19(7):653–6

Expression of muscarinic cholinergic receptors on lymphocytes during rheumatoid arthritis. Laskowska-Bożek H, et al. **Int J Tissue React** 1986; 8(6):475–83

Muscarinic and purinergic slow membrane responses in Xenopus oocytes. Lotan I, et al. **Isr J Med Sci** 1987 Jan-Feb;23(1–2):26–35 (148 ref.)

Application of competition kinetics to investigate rat brain muscarinic receptors. Schreiber G, et al. **Isr J Med Sci** 1987 Jan-Feb;23(1–2):36–43

Characterization of muscarinic cholinergic receptors in cat tracheal gland cells. Culp DJ, et al. **J Appl Physiol** 1986 Oct;61(4):1375–82

Distribution of muscarinic receptors and acetylcholinesterase in the rat heart. Hancock JC, et al. **J Auton Nerv Syst** 1987 Apr;19(1):59–66

Centrifugation or filtration in quantitative radioreceptor assays. Ensing K, et al. **J Biochem Biophys Methods** 1986 Sep;13(2):85–96

Reconstitution of muscarinic cholinergic inhibition of adenylate cyclase activity in homogenates of embryonic chick hearts by membranes of adult chick hearts. Liang BT, et al. **J Biol Chem** 1987 Feb 25;262(6):2494–501

Rapid increases in cytosolic free calcium in response to muscarinic stimulation of rat parotid acinar cells. Merritt JE, et al. **J Biol Chem** 1987 Apr 15;262(11):4958–60

Evidence for the presence of muscarinic acetylcholine receptors in bovine brain coated vesicles. Silva WI, et al. **J Biol Chem** 1986 Nov 5;261(31):14788–96

Differentiation-associated decrease in muscarinic receptor sensitivity in human neuroblastoma cells. Heikkilä JE, et al. **J Cell Physiol** 1987 Jan;130(1):157–62

Afferent connections of anterior thalamus in rats: sources and association with muscarinic acetylcholine receptors. Sikes RW, et al. **J Comp Neurol** 1987 Feb 22;256(4):538–51

Oxygen consumption mediated by M2 muscarinic receptors in rat salivary glands. Stojić D, et al. **J Dent Res** 1987 Sep;66(9):1435–7

Immunologic mimicry by a monoclonal antibody of the tricyclic anti-depressants' binding site on muscarinic acetylcholine receptors. Marullo S, et al. **J Immunol** 1987 Jan 15;138(2):524–6

Tricyclic compounds as selective antimuscarinics. 1. Structural requirements for selectivity toward the muscarinic acetylcholine receptor in a series of pirenzepine and imipramine analogues. Eberlein WG, et al. **J Med Chem** 1987 Aug;30(8):1378–82

Molecular modification of anticholinergics as probes for muscarinic receptors. 3. Conformationally restricted analogues of benactyzine. Flavin MT, et al. **J Med Chem** 1987 Feb;30(2):278–85

Muscarinic ganglionic stimulants: conformationally restrained analogues related to [4-[[N-(3-chlorophenyl)carbamoyl]oxy]-2-butynyl]trimethylammonium chloride. Lambrecht G, et al. **J Med Chem** 1986 Jul;29(7):1309–11

Molecular modification of anticholinergics as probes for muscarinic receptors. 1. Amino esters of alpha-substituted phenylacetic acid and related analogues. Lu MC, et al. **J Med Chem** 1987 Feb;30(2):273–8

Molecular modification of anticholinergics as probes for muscarinic receptors. 2. Amino esters of alpha-methyltropic acid. Lu MC, et al. **J Med Chem** 1987 Feb;30(2):424–7

Muscarinic receptor regulation of cardiac adenylate cyclase activity. Fleming JW, et al. **J Mol Cell Cardiol** 1987 Jan; 19(1):47–61

Stereospecific 3H-QNB binding to human erythrocyte membranes associated with muscarinic cholinergic receptors. Bering B, et al. **J Neural Transm** 1987; 68(1–2):97–111

Effect of postmortem factors on muscarinic receptor subtypes in rat brain. Burke RE, et al. **J Neurochem** 1987 Aug; 49(2):592–6

Structural microheterogeneity of the muscarinic cholinergic receptor is not related to functional diversity identified by differences in affinity for pirenzepine. Dadi HK, et al. **J Neurochem** 1986 Dec;47(6):1700–5

Postnatal development of cholinergic enzymes and receptors in mouse brain. Fiedler EP, et al. **J Neurochem** 1987 Sep; 49(3):983–90

Enhanced coupling of neonatal muscarinic receptors in rat brain to phosphoinositide turnover. Heacock AM, et al. **J Neurochem** 1987 Jun;48(6):1904–11

Specific inhibition of dopamine D-1-mediated cyclic AMP formation by dopamine D-2, muscarinic cholinergic, and opiate receptor stimulation in rat striatal slices. Kelly E, et al. **J Neurochem** 1986 Nov;47(5):1512–6

Biochemical and physical analyses of newly synthesized muscarinic acetylcholine receptors in cultured embryonic chicken cardiac cells. Hunter DD, et al. **J Neurosci** 1986 Dec;6(12):3739–48

Regulation of muscarinic acetylcholine receptor number in cultured neuronal cells by chronic membrane depolarization. Liles WC, et al. **J Neurosci** 1987 Aug; 7(8):2556–63

Dissociated cingulate cortical neurons: morphology and muscarinic acetylcholine receptor binding properties. Vogt BA, et al. **J Neurosci** 1987 Apr;7(4):959–71

The affinity of some selective muscarinic receptor antagonists for the muscarinic receptor mediating endothelial-dependent relaxation of the rabbit and rat thoracic aorta. Choo LK, et al. **J Pharm Pharmacol** 1986 Nov;38(11):843–5

Developmental changes in muscarinic receptor-stimulated phosphoinositide metabolism in rat brain. Balduini W, et al. **J Pharmacol Exp Ther** 1987 May;241(2):421–7

Characterization of high affinity [3H]pirenzepine and (-)-[3H] quinuclidinyl benzilate binding to muscarinic cholinergic receptors in rabbit peripheral lung. Bloom JW, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):51–8

Altered muscarinic receptor properties and function in the heart in diabetes. Carrier GO, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):531–5

Presynaptic inhibitory muscarinic receptors modulating [3H] acetylcholine release in the rat urinary bladder. D'Agostino G, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):522–8

Selectivity of muscarinic antagonists in radioligand and in vivo experiments for the putative M1, M2 and M3 receptors. Doods HN, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):257–62

Estimation of apparent agonist affinity constants using desensitization of the ileal muscarinic receptor. Eglen RM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):404–9

Effects of an alkylating derivative of oxotremorine (BM 123A) on heart rate, muscarinic receptors and adenylate cyclase activity in the rabbit myocardium. Ehlert FJ. **J Pharmacol Exp Ther** 1987 Jun;241(3):804–11

Coupling of muscarinic receptors to adenylate cyclase in the rabbit myocardium: effects of receptor inactivation. Ehlert FJ. **J Pharmacol Exp Ther** 1987 Jan;240(1):23–30

A cholinergic antagonist identifies a subclass of muscarinic receptors in isolated rat pancreatic acini. Korc M, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):118–22

Phorbol ester-induced inhibition of cyclic GMP formation mediated by muscarinic receptors in murine neuroblastoma cells. Lai WS, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):366–73

Antifibrillatory efficacy of concomitant beta adrenergic receptor blockade with dilevalol, the R,R-isomer of labetalol, and muscarinic receptor blockade with methylscopolamine. Lynch JJ, et al. **J Pharmacol Exp Ther** 1987 May;241(2):741–9

AF-DX 116, a cardioselective muscarinic antagonist. Micheletti R, et al. **J Pharmacol Exp Ther** 1987 May; 241(2):628–34

Subtypes of muscarinic receptors on adrenergic nerves and vascular smooth muscle of the canine saphenous vein. O'Rourke ST, et al. **J Pharmacol Exp Ther** 1987 Apr; 241(1):64–7

Regional differences in receptor reserve for analogs of oxotremorine in vivo: implications for development of selective muscarinic agonists. Ringdahl B, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):464–71

Identification and characterization of muscarinic cholinergic receptors in the isolated plasma membranes and intact tissue of the urinary bladder. Batra S. **J Recept Res** 1986; 6(3–4):227–46

Serotonin release is mediated by muscarinic receptors on duodenal mucosal cells. Kuemmerle JF, et al. **J Surg Res** 1987 Aug;43(2):139–42

Heterogeneity of the M1 muscarinic receptor subtype between peripheral lung and cerebral cortex demonstrated by the selective antagonist AF-DX 116. Bloom JW, et al. **Life Sci** 1987 Jul 27;41(4):491–6

Distribution of muscarinic receptor subtypes in rat brain as determined in binding studies with AF-DX 116 and pirenzepine. Giraldo E, et al. **Life Sci** 1987 Mar 2; 40(9):833–40

Comparison of two radiolabeled quinuclidinyl benzilate ligands for the characterization of the human peripheral lung muscarinic receptor. Joad JP, et al. **Life Sci** 1987 Sep 28;41(13):1577–84

Decreased muscarinic receptor binding in cerebral cortex and hippocampus in Alzheimer's disease. Reinikainen KJ, et al. **Life Sci** 1987 Jul 27;41(4):453–61

Phosphoinositide metabolism and cGMP levels are not coupled to the muscarinic-cholinergic receptor in human erythrocyte. Sekar MC, et al. **Life Sci** 1986 Oct 6; 39(14):1257–62

Rapid-eye movement sleep and muscarinic receptor binding in rats are augmented during withdrawal from chronic scopolamine treatment. Sutin EL, et al. **Life Sci** 1986 Dec 22;39(25):2419–27

Differential interactions of muscarinic drugs with binding sites of [3H]pirenzepine and [3H]quinuclidinyl benzilate in rat brain tissue. Tonnaer JA, et al. **Life Sci** 1987 May 18; 40(20):1981–7

Identification of M2 muscarinic receptors in membranes from bovine cerebral basal arteries. Vanderheyden P, et al. **Life Sci** 1986 Oct 27;39(17):1517–23

Antipsychotic drugs: prediction of side-effect profiles based on neuroreceptor data derived from human brain tissue. Black JL, et al. **Mayo Clin Proc** 1987 May;62(5):369–72

Irreversible binding of acetylethylcholine mustard to cardiac cholinergic muscarinic receptors. Baker SP, et al. **Mol Pharmacol** 1986 Nov;30(5):411–8

Differences in muscarinic receptor reserve for inhibition of adenylate cyclase and stimulation of phosphoinositide hydrolysis in chick heart cells. Brown JH, et al. **Mol Pharmacol** 1986 Dec;30(6):566–70

Muscarinic cholinergic receptors in the embryonic chick heart: interaction of agonist, receptor, and guanine nucleotides studied by an improved assay for direct binding of the muscarinic agonist [3H]cismethyldioxolane. Galper JB, et al. **Mol Pharmacol** 1987 Aug;32(1):230–40

Muscarinic receptor heterogeneity in rat central nervous system. II. Brain receptors labeled by [3H]oxotremorine-M correspond to heterogeneous M2 receptors with very high affinity for agonists. Gillard M, et al. **Mol Pharmacol** 1987 Jul;32(1):100–8

Ni-coupled receptors in cultured neural hybrid cells: cell specificity for dibutyryl cyclic AMP-induced down-regulation but not morphological differentiation. Noronha-Blob L, et al. **Mol Pharmacol** 1986 Dec; 30(6):526–36

Selectivity of partial agonists related to oxotremorine based on differences in muscarinic receptor reserve between the guinea pig ileum and urinary bladder. Ringdahl B. **Mol Pharmacol** 1987 Apr;31(4):351–6

Muscarinic receptor heterogeneity in rat central nervous system. I. Binding of four selective antagonists to three muscarinic receptor subclasses: a comparison with M2

cardiac muscarinic receptors of the C type. Waelbroeck M, et al. **Mol Pharmacol** 1987 Jul;32(1):91–9

Kinetic studies of [3H]-N-methylscopolamine binding to muscarinic receptors in the rat central nervous system: evidence for the existence of three classes of binding sites. Waelbroeck M, et al. **Mol Pharmacol** 1986 Oct;30(4):305–14

Binding studies with [3H]cis-methyldioxolane in different tissues. Under certain conditions [3H]cis-methyldioxolane labels preferentially but not exclusively agonist high affinity states of muscarinic M2 receptors. Closse A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):372–7

Prostanoid synthesis by the rat urinary bladder: evidence for stimulation through muscarine receptor–linked calcium channels. Jeremy JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):463–7

The M2 selective antagonist AF–DX 116 shows high affinity for muscarine receptors in bovine tracheal membranes. Roffel AF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):593–5

Agonist and antagonist binding to rat brain muscarinic receptors: influence of aging. Gurwitz D, et al. **Neurobiol Aging** 1987 Mar–Apr;8(2):115–22

Reconstitution of solubilized atrial cholinergic muscarinic receptors in liposomes. Aguilar JS, et al. **Neurochem Res** 1987 Jan;12(1):83–91

Allosteric effect of gallamine on muscarinic cholinergic receptor binding: influence of guanine nucleotides and conformational state. Narayanan TK, et al. **Neurochem Res** 1986 Oct;11(10):1397–406

Differential distribution of muscarinic cholinergic and putative nicotinic cholinergic receptors within the hypothalamo–neurohypophysial system of the rat. Michels KM, et al. **Neuroendocrinology** 1986;44(4):498–507

Autoradiographic localisation of muscarinic receptors on guinea pig intracardiac neurones and atrial myocytes in culture. Hassall CJ, et al. **Neurosci Lett** 1987 Feb 24; 74(2):145–50

Quantitative light microscopic autoradiographic localization of cholinergic muscarinic receptors in the human brain: forebrain. Cortés R, et al. **Neuroscience** 1987 Jan; 20(1):65–107

Autoradiographic localization of M1 and M2 muscarine receptors in the rat brain. Mash DC, et al. **Neuroscience** 1986 Oct;19(2):551–64

In vitro interaction of ACTH with rat brain muscarinic receptors. Tonnaer JA, et al. **Peptides** 1986 May–Jun; 7(3):425–9

Effect of chronic nicotine treatment against repeated immobilization stress. Yamanaka K, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):259–63

Interaction of psychotropic drugs with brain muscarinic cholinoceptors: similarities of biperiden with pirenzepine in receptor binding properties. Syvälahti EK, et al. **Pharmacol Toxicol** 1987 Jan;60(1):66–9

Beta adrenergic and muscarinic receptor densities of rat submandibular main duct. Schneyer CA, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):81–3

Beta-adrenergic and muscarinic receptors of parotid gland following maintenance of rats on liquid diet. Schneyer CA, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):102–6

Muscarinic, benzodiazepine, GABA, chloride channel and other binding sites in frontal cortex in hepatic coma in man. Lal S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):243–50

Binding affinities of four tricyclic antidepressive drugs to muscarinic cholinergic receptors in human parotid gland. Batra S, et al. **Psychopharmacology (Berlin)** 1986;90(1):1–4

Alterations in alpha–adrenergic and muscarinic cholinergic receptor binding in rat brain following nonionizing radiation. Gandhi VC, et al. **Radiat Res** 1987 Jan; 109(1):90–9

[A preliminary study on the mechanism of changes of beta and M receptors in the lung tissue of guinea pigs with experimental allergic asthma] Lu BZ. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):401–4, 448 (Eng. Abstr.) **(Chi)**

[The M-receptor antagonism of a new cholinolytic compounds TBBB in comparison with hyocine bromide (HBB) and atropine] Dai DZ, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):853–6 (Eng. Abstr.) **(Chi)**

[Two kinds of affinity of muscarinic receptors in the intestinal smooth muscles of the mouse for acetylcholine, atropine and 3H QNB] Li Z, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):641–6 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Mobilization of different pools of glucose-incorporated calcium in pancreatic beta-cells after muscarinic receptor activation. Hellman B, et al. **Adv Exp Med Biol** 1986; 211:325–41

Muscarinic receptors and the control of glucose-induced electrical activity in the pancreatic beta-cell. Palafox I, et al. **Adv Exp Med Biol** 1986;211:351–8

Muscarinic receptor subtypes mediating the mucosal response to neural stimulation of guinea pig ileum. Carey HV, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):G323–9

Dissociation of contraction and muscarinic receptor binding to isolated smooth muscle cells. Collins SM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):G546–52

Sensitivity of cultured chick embryo heart cells to acetylcholine. Evidence for nicotinic and muscarinic receptors. Suignard-Khaskiye G, et al. **Arch Anat Microsc Morphol Exp** 1985;74(4):237–45

Potassium depolarisation markedly enhances muscarinic receptor stimulated inositol tetrakisphosphate accumulation in rat cerebral cortical slices. Baird JG, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1130–7

Calcium mobilization by muscarinic receptors in human astrocytoma cells: measurements with quin 2. Noronha-Blob L, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):182–8

An in vivo pharmacological study on muscarinic receptor subtypes regulating cholinergic neurotransmission in rat striatum. Consolo S, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3075–7

Cold stress and cholinergic supersensitivity [letter] Dilsaver SC, et al. **Biol Psychiatry** 1987 Aug;22(8):1051–2

Muscarinic receptor modulation of release of [Met5]enkephalin immunoreactive material and catecholamines from the bovine adrenal gland. Barron BA, et al. **Br J Pharmacol** 1986 Dec;89(4):713–8

Muscarinic and nicotinic mechanisms in the responses of the adrenal medulla of the dog and cat to reflex stimuli and to cholinomimetic drugs. Critchley JA, et al. **Br J Pharmacol** 1986 Dec;89(4):831–5

Presynaptic muscarinic and alpha-adrenoceptor-mediated regulation of GABA release from myenteric neurones of the guinea-pig small intestine. Hashimoto S, et al. **Br J Pharmacol** 1986 Dec;89(4):787–92

Muscarinic receptors mediate negative and positive inotropic effects in mammalian ventricular myocardium: differentiation by agonists. Korth M, et al. **Br J Pharmacol** 1987 Jan;90(1):81–90

The consequences of loss followed by recovery of noradrenergic nerve function on muscarinic receptors in the chick expansor secundariorum muscle. Lot TY. **Br J Pharmacol** 1987 Apr;90(4):635–9

Three types of muscarinic conductance changes in sympathetic neurons discriminately evoked by the different concentrations of acetylcholine. Mochida S, et al. **Brain Res** 1986 Sep 24;383(1–2):299–304

Direct autoradiographic determination of M1 and M2 muscarinic acetylcholine receptor distribution in the rat brain: relation to cholinergic nuclei and projections. Spencer DG Jr, et al. **Brain Res** 1986 Aug 13;380(1):59–68

Antagonists discriminate muscarinic excitation and inhibition in sympathetic ganglion. Yavari P, et al. **Brain Res** 1987 Jan 1;400(1):133–8

Salivation mediated by central M-2 muscarinic receptors in the cat. Tomic-Beleslin N, et al. **Brain Res Bull** 1986 Aug; 17(2):279–81

Muscarinic receptor coupling to intracellular calcium release in rat pancreatic acinar carcinoma. Chien JL, et al. **Cancer Res** 1986 Nov;46(11):5706–14

Effects of adrenergic and muscarinic receptor stimulation on serum potassium concentrations and myocardial electrical stability. Hohnloser SH, et al. **Cardiovasc Res** 1986 Dec; 20(12):891–6

Changes in regional myocardial perfusion by muscarinic receptor subtypes in dogs. Pelc LR, et al. **Cardiovasc Res** 1986 Jul;20(7):482–9

Role of medullary cholinoceptors in baroreflex bradycardia. Gurtu S, et al. **Clin Exp Hypertens [A]** 1986;8(6):1063–79

The muscarinic receptor-mediated action of acetylcholine in the gastrulating chick embryo. Laasberg T, et al. **Comp Biochem Physiol [C]** 1987;86(2):313–6

Cholinergic control of the mechanical properties of the catch connective tissue in the holothurian body wall. Motokawa T. **Comp Biochem Physiol [C]** 1987;86(2):333–7

Temperature sensitivity of cardiac muscarinic receptors in bat atria and ventricle. O'Shea JE. **Comp Biochem Physiol [C]** 1987;86(2):365–70

Developmental differences in the analgesia produced by the central cholinergic system. Hamm RJ, et al. **Dev Psychobiol** 1987 May;20(3):345–54

Comparison of the muscarinic cholinoceptors in the rabbit ciliary body and the guinea-pig ileum. Konno F, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):171–8

Cardiac M2 receptors consist of two different types, both regulated by GTP. Mizushima A, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):403–9

Muscarine receptor–mediated modulation of [3H]dopamine and [14C]acetylcholine release from rat neostriatal slices: selective antagonism by gallamine but not pirenzepine. Schoffelmeer AN, et al. **Eur J Pharmacol** 1986 Sep 9; 128(3):291–4

Development of amygdaloid cholinergic mediation of passive avoidance learning in the rat. I. Muscarinic mechanisms. Duméry V, et al. **Exp Brain Res** 1987;67(1):61–9

Inositol phosphate production following alpha 1-adrenergic, muscarinic or electrical stimulation in isolated rat heart. Poggioli J, et al. **FEBS Lett** 1986 Oct 6;206(2):292–8

Cardioselective muscarinic antagonists. **Fed Proc** 1987 Jun; 46(8):2523–35 (65 ref.)

Muscarinic cholinergic and histaminergic H1 and H2 receptors are not involved in the LH response to naloxone in man. Chiodera P, et al. **Horm Res** 1987;25(2):120–4

Cholinergic mediation in dermorphin-induced growth hormone secretion in man. degli Uberti EC, et al. **Horm Res** 1986;24(4):251–5

Muscarinic receptors of rat parotid gland enlarged by gland ablation and bulk diet. Effects of denervation. Schneyer CA, et al. **J Auton Nerv Syst** 1987 Mar;18(3):207–11

Muscarinic cholinergic receptor–induced enhancement of PGE1–stimulated cAMP accumulation in neuroblastoma X glioma cells: prevention by pertussis toxin. Thomas JM, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):317–25

Muscarinic response in rat lacrimal glands. Marty A, et al. **J Exp Biol** 1986 Sep;124:15–32

Calcium dependence of muscarinic receptor–mediated catecholamine secretion from the perfused rat adrenal medulla. Harish OE, et al. **J Neurochem** 1987 Jun; 48(6):1730–5

Blockade of receptor–mediated cyclic GMP formation by hydroxyeicosatetraenoic acid. McKinney M. **J Neurochem** 1987 Aug;49(2):331–41

Is the muscarinic receptor that mediates potentiation of dopamine release negatively coupled to the cyclic GMP system? Marchi M, et al. **J Neurosci Res** 1987;17(2):142–5

Ionic mechanism of dopaminergic and muscarinic auto– and heteroreceptor activation in superfused striatal slices: role of extracellular chloride. Diliberto PA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):795–801

Pharmacologic characterization and functional role of muscarinic autoreceptors in the rabbit striatum. James MK, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):203–15

Functional and physical properties of chick atrial and ventricular GTP–binding proteins: relationship to muscarinic acetylcholine receptor–mediated responses. Martin JM, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):683–8

Muscarinic and antimuscarinic activity of acetamides related to oxotremorine in the guinea pig urinary bladder. Ringdahl B, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):789–94

Biphasic release of endothelium–derived relaxing factor(s) by acetylcholine from perfused canine femoral arteries. Characterization of muscarinic receptors. Rubanyi GM, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):802–8

Muscarinic acetylcholine receptor–mediated phosphoinositide turnover in cultured cerebellar granule cells: desensitization by receptor agonists. Xu J, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):238–44

Interaction between adrenergic and cholinergic nerve terminals in the urinary bladder of rabbit, cat and man. Mattiasson A, et al. **J Urol** 1987 May;137(5):1017–9

AF–DX 116 discriminates between muscarinic M2 receptors of the heart and vasculature. Duckles SP, et al. **Life Sci** 1987 Apr 13;40(15):1507–11

Central muscarinic control of the pattern of small intestinal motility in rats. Fargeas MJ, et al. **Life Sci** 1987 Apr 27; 40(17):1709–15

Phenazine methosulfate induces a neurally–mediated contraction of the guinea–pig ileum. Hanani M, et al. **Life Sci** 1986 Nov 10;39(19):1805–12

The effect of muscarinic and beta–adrenergic blockade on cysteamine–induced gastrin secretion by the isolated perfused rat stomach. McIntosh CH, et al. **Life Sci** 1987 Sep 28;41(13):1615–20

Differential receptor occupancy requirements for muscarinic cholinergic stimulation of inositol lipid hydrolysis in brain and in neuroblastomas. Fisher SK, et al. **Mol Pharmacol** 1987 Jul;32(1):81–90

Alpha 2–adrenoceptor stimulation affects total glucose utilization in isolated islets of Langerhans. Laychock SG. **Mol Pharmacol** 1987 Aug;32(1):241–8

'Wrong' subunit regulates cardiac potassium channels [news] Bourne HR. **Nature** 1987 Jan 22–28;325(6102):296–7

Molecular distinction between muscarinic acetylcholine receptor subtypes. Fukuda K, et al. **Nature** 1987 Jun 18–24; 327(6123):623–5

The beta gamma subunits of GTP–binding proteins activate the muscarinic K+ channel in heart. Logothetis DE, et al. **Nature** 1987 Jan 22–28;325(6102):321–6

Depolarisation–evoked release of acetylcholine can mediate phosphoinositide hydrolysis in slices of rat cerebral cortex. Kendall DA, et al. **Neuropharmacology** 1987 Jun; 26(6):513–9

Muscarinic M1 receptors in the lateral septal area mediate cardiovascular responses to cholinergic agonists and bradykinin: supersensitivity induced by chronic treatment with atropine. Scheucher A, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):181–5

A muscarine–resistant M–current in C cells of bullfrog sympathetic ganglia. Jones SW. **Neurosci Lett** 1987 Mar 9;74(3):309–14

Activation of M2 muscarinic receptors causes an alteration of action potentials by modulation of Ca entry in isolated sympathetic neurons of rabbits. Mochida S, et al. **Neurosci Lett** 1986 Dec 12;72(2):199–204

Changes of adrenergic and muscarinic cholinergic receptors in nasal mucosa in nasal allergy. Konno A, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(2):103–11

Role of intracellular Mg2+ in the activation of muscarinic K+ channel in cardiac atrial cell membrane. Kurachi Y, et al. **Pflugers Arch** 1986 Nov;407(5):572–4

Pertussis toxin inhibits negative inotropic and negative chronotropic muscarinic cholinergic effects on the heart. Tuček S, et al. **Pflugers Arch** 1987 Feb;408(2):167–72

Cholinergic stimulation of drinking from the lateral hypothalamus: indications for M2 muscarinic receptor

mediation. Hagan JJ, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):771–9

Muscarinic receptors activate calcium channels and calcium dependent potassium channels in NIE–115 neuroblastoma cells. Hedlund B, et al. **Pharmacol Toxicol** 1987 Feb; 60(2):156–60

Activation of a muscarinic receptor selectively inhibits a rapidly inactivated Ca2+ current in rat sympathetic neurons. Wanke E, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4313–7

Prospective strategies for cholinergic interventions in Alzheimer's disease. Pomara N, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(3–5):553–69 (89 ref.)

Involvement of prostaglandins in the response of frog adrenocortical cells to muscarinic receptor activation. Delarue C, et al. **Prostaglandins** 1986 Jul;32(1):87–91

Cholinergic muscarinic receptor characterization and regulation in tissues innervated by the autonomic nervous system. Roskoski R Jr. **Rev Clin Basic Pharm** 1987 Jan–Mar;6(1):1–60 (118 ref.)

The alpha subunit of the GTP binding protein Gk opens atrial potassium channels. Codina J, et al. **Science** 1987 Apr 24;236(4800):442–5

Direct activation of mammalian atrial muscarinic potassium channels by GTP regulatory protein Gk. Yatani A, et al. **Science** 1987 Jan 9;235(4785):207–11

[Cholinergic modulation of synaptic transmission in the spinal cord of the frog] Abramets II, et al. **Neirofiziologiia** 1987; 19(3):399–405 (Eng. Abstr.) **(Rus)**

[Differences in the habituation of the nicotinic and muscarinic cholinoreceptors of Helix neuron PPa4] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):528–36 (Eng. Abstr.) **(Rus)**

RECEPTORS, MUSCIMOL see **RECEPTORS, GABA–BENZODIAZEPINE**

RECEPTORS, NARCOTIC see **RECEPTORS, ENDORPHIN**

RECEPTORS, NEUROHUMOR

ANALYSIS

Cytochemical studies of corticotropin–releasing factor (CRF) receptors in anterior lobe corticotropes: binding, glucocorticoid regulation, and endocytosis of [biotinyl–Ser1]CRF. Childs GV, et al. **Endocrinology** 1986 Nov;119(5):2129–42

Autoradiographic visualization of binding sites for [3H]somatostatin in the rat brain. Whitford CA, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):327–33

Identification of the bombesin receptor on murine and human cells by cross–linking experiments. Kris RM, et al. **J Biol Chem** 1987 Aug 15;262(23):11215–20

Identification of a receptor for peptides of the bombesin family in Swiss 3T3 cells by affinity cross–linking. Zachary I, et al. **J Biol Chem** 1987 Mar 25;262(9):3947–50

Neuroreceptor assay with positron emission tomography: definition of transfer coefficients [letter] Gjedde A, et al. **J Cereb Blood Flow Metab** 1987 Aug;7(4):517–20

Somatostatin receptors as markers for endocrine tumors. Reubi JC. **JAMA** 1987 Jun 19;257(23):3277

Vasoactive intestinal peptide producing tumour contains high density of somatostatin receptors [letter] Reubi JC, et al. **Lancet** 1987 Mar 28;1(8535):741–2

Regulation of somatostatin–14 and gastrin I binding sites in rat gastrointestinal mucosa by ulcerogenic dose of cysteamine. Rossowski WJ, et al. **Life Sci** 1987 May 4; 40(18):1783–9

Somatostatin binding sites in human leptomeninx. Reubi JC, et al. **Neurosci Lett** 1986 Oct 8;70(2):183–6

A somatostatin receptor negatively coupled to adenylate cyclase in the human gastric cell line HGT–1. Reyl–Desmars F, et al. **Regul Pept** 1986 Dec 30; 16(3–4):207–15

Reversible down–regulation of liver cyclo(His–Pro) binding sites by cyclo(His–Pro) administration to mice. Hirose Y, et al. **Res Commun Chem Pathol Pharmacol** 1986 Nov; 54(2):211–6

BIOSYNTHESIS

Proliferation of thyrotropin releasing hormone receptors in specific brain regions during the development of hypertension in spontaneously hypertensive rats. Bhargava HN, et al. **Peptides** 1987 Mar–Apr;8(2):231–5

DRUG EFFECTS

[D–Phe12]bombesin analogues: a new class of bombesin receptor antagonists. Heinz–Erian P, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G439–42

Increased corticotropin–releasing factor receptors in rat cerebral cortex following chronic atropine treatment. De Souza EB, et al. **Brain Res** 1986 Nov 12;397(2):401–4

Corticotropin–releasing factor receptor antagonist: effects on the autonomic nervous system and cardiovascular function. Brown MR, et al. **Regul Pept** 1986 Dec 30;16(3–4):321–9

[Current hypotheses on the mechanism of action of lithium. II. Lithium and membranes; from the receptor to cyclic nucleotide by the way of membrane phospholipids] Wolf MA. **Encephale** 1987 Jan–Feb;13(1):13–21 (83 ref.) (Eng. Abstr.) **(Fre)**

[Neuromediator binding to receptors in the rat brain. The effect of chronic administration of Ginkgo biloba extract] Taylor JE. **Presse Med** 1986 Sep 25;15(31):1491–3 (Eng. Abstr.) **(Fre)**

[Phorbol ester or diacylglycerol modulates somatostatin binding to its receptors on rat pancreatic acinar cell membranes] Matozaki T, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jul 20;62(7):807–17 (Eng. Abstr.) **(Jpn)**

[CCK and carbachol differently modulate somatostatin binding to rat pancreatic acinar membranes] Sakamoto C, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jul 20; 62(7):818–26 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Solubilization and characterization of guinea–pig pancreatic somatostatin receptors. Zeggari M, et al. **Eur J Biochem** 1987 May 4;164(3):667–73

METABOLISM

Quantitative autoradiography of central neurotransmitter receptors: methodological and statistical aspects with special reference to computer–assisted image analysis. Benfenati F, et al. **Acta Physiol Scand** 1986 Oct; 128(2):129–46

Mechanisms of neuropeptide interaction with the blood–brain barrier. Pardridge WM. **Ann NY Acad Sci** 1986;481:231–49 (46 ref.)

Bombesin binding and biological effects on pancreatic acinar AR42J cells. Logsdon CD, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):463–8

Chemical cross–linking of somatostatin receptors in rat adrenal cortex. Srikant CB, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):757–62

Structure and biology of central nervous system neurotransmitter receptors. Betz H, et al. **Biochem Soc Trans** 1987 Feb;15(1):107–8

Corticotropin releasing factor receptor–mediated stimulation of adenylate cyclase activity in the rat brain. Chen FM, et al. **Brain Res** 1986 Aug 27;381(1):49–57

Corticotropin–releasing factor as a transmitter in the human olivocerebellar pathway. Powers RE, et al. **Brain Res** 1987 Jul 14;415(2):347–52

Distinct topographical localisation of two somatostatin receptor subpopulations in the human cortex. Reubi JC, et al. **Brain Res** 1987 Mar 17;406(1–2):391–6

Regional distribution of high–affinity [3H]somatostatin binding sites in the human brain. Whitford CA, et al. **Brain Res** 1986 Nov 19;398(1):141–7

Somatostatin receptors in human endocrine tumors. Reubi JC, et al. **Cancer Res** 1987 Jan 15;47(2):551–8

Age dependence of somatostatin levels and somatostatin binding in the rat brain. Sirviö J, et al. **Comp Biochem Physiol [A]** 1987;87(2):355–7

Differential regulation of brain and pituitary corticotropin–releasing factor receptors by corticosterone. Hauger RL, et al. **Endocrinology** 1987 Apr;120(4):1527–33

Structural characterization of the somatostatin receptor in rat anterior pituitary membranes. Lewis LD, et al. **Endocrinology** 1987 Aug;121(2):486–92

Quantitative in vivo autoradiographic localization of [125I–Tyr11]somatostatin–14– and [Leu8,D–Trp22–125I–Tyr25]somatostatin–28–binding sites in rat brain. Patel YC, et al. **Endocrinology** 1986 Nov; 119(5):2262–9

Characterization of somatostatin receptors which mediate inhibition of insulin secretion in RINm5F insulinoma cells. Sullivan SJ, et al. **Endocrinology** 1987 Aug;121(2):544–52

Long–term increase in striatal thyrotropin–releasing hormone receptor binding caused by amygdaloid kindling. Kajita S, et al. **Epilepsia** 1987 May–Jun;28(3):228–33

Somatostatin receptors on cortical neurones and adenohypophysis: comparison between specific binding and adenylate cyclase inhibition. Chneiweiss H, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):249–55

Autoradiographic localisation of NPY receptors in rabbit kidney: comparison with rat, guinea–pig and human. Leys K, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):233–7

Modulation of somatostatin binding sites in cytosol of rabbit gastric fundic mucosa by cysteamine administration. Gonzalez–Guijarro L, et al. **Gen Pharmacol** 1986; 17(6):637–9

Regulation of thyrotropin–releasing hormone receptor binding and phospholipase C activation by a single GTP–binding protein. Aub DL, et al. **J Biol Chem** 1987 Jul 15;262(20):9521–8

Somatostatin induces translocation of the beta–adrenergic receptor kinase and desensitizes somatostatin receptors in S49 lymphoma cells. Mayor F Jr, et al. **J Biol Chem** 1987 May 15;262(14):6468–71

Characterization of covalently cross–linked pancreatic somatostatin receptors. Susini C, et al. **J Biol Chem** 1986 Dec 15;261(35):16738–43

Cross–linking of a growth hormone releasing factor–binding protein in anterior pituitary cells. Zysk JR, et al. **J Biol Chem** 1986 Dec 25;261(36):16781–4

Receptors and actions of corticotropin–releasing hormone in the primate pituitary gland. Millan MA, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1036–41

Visualization of somatostatin receptors and correlation with immunoreactive growth hormone and prolactin in human pituitary adenomas: evidence for different tumor subclasses. Reubi JC, et al. **J Clin Endocrinol Metab** 1987 Jul; 65(1):65–73

Update on neuroreceptor mechanisms and their implication for the pharmacotherapy of affective disorders. Sulser F. **J Clin Psychiatry** 1986 Oct;47 Suppl:13–20 (51 ref.)

Corticotropin–releasing factor receptors in the rat central nervous system: characterization and regional distribution. De Souza EB. **J Neurosci** 1987 Jan;7(1):88–100

Axonal transport of receptors: characterization, role in receptor regulation and possible involvement in learning. Laduron PM. **J Recept Res** 1987;7(1–4):417–34

Receptor for bombesin with associated tyrosine kinase activity. Cirillo DM, et al. **Mol Cell Biol** 1986 Dec; 6(12):4641–9

Effect of passive immunization against corticotropin–releasing factor (CRF) on the postadrenalectomy changes of CRF binding sites in the rat anterior pituitary gland. Grino M, et al. **Neuroendocrinology** 1987 Jun;45(6):492–7

Differential binding of somatostatin agonists to somatostatin receptors in brain and adenohypophysis. Heiman ML, et al. **Neuroendocrinology** 1987 Jun;45(6):429–36

Distribution of neuropeptide Y receptors in the rat hippocampal region. Köhler C, et al. **Neurosci Lett** 1987 Mar 31;75(2):141–6

Interaction of somatostatin with isolated cytosol from rabbit renal papilla. Arilla E, et al. **Peptides** 1986 Sep–Oct; 7(5):741–4

Characterization of pancreatic somatostatin binding sites with a 125I–somatostatin 28 analog. Zeggari M, et al. **Peptides** 1986 Nov–Dec;7(6):953–9

Use of 2–[125I]iodomelatonin to characterize melatonin binding sites in chicken retina. Dubocovich ML, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3916–20

Characterization of central neuropeptide Y receptor binding sites and possible interactions with alpha 2–adrenoceptors. Goldstein M, et al. **Prog Brain Res** 1986;68:331–5

Effect of immobilization stress on neuropeptides and their receptors in rat central nervous system. Takayama H, et al. **Regul Pept** 1986 Oct;15(3):239–48

Somatostatin receptors. Lewin MJ. **Scand J Gastroenterol [Suppl]** 1986;119:42–6 (48 ref.)

[Characterization and modulation of anterior pituitary binding sites for rat corticotropin releasing factor (r–CRF)] Grino M, et al. **Ann Endocrinol (Paris)** 1986;47(1):51–3 (Eng. Abstr.) **(Fre)**

[Brain–specific proteins S 100 and reception of neuromediators by membrane preparations from the rat brain] Gruden' MA, et al. **Biokhimiia** 1986 Oct; 51(10):1708–13 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Is thyrotropin–releasing hormone receptor involved in thyrotrope adaptation to starvation? Hugues JN, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):353–6

Processing of receptor–bound somatostatin: internalization and degradation by pancreatic acini. Viguerie N, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):G535–42

Bombesin–like peptides elevate cytosolic calcium in small cell lung cancer cells. Moody TW, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):189–95

Quantitative autoradiographic localization of neuropeptide Y receptors in the rat lower brainstem. Nakajima T, et al. **Brain Res** 1986 Aug 13;380(1):144–50

Identification of a corticotropin–releasing factor–binding protein in the plasma membrane of AtT–20 mouse pituitary tumor cells and its regulation by dexamethasone. Rosendale BE, et al. **Endocrinology** 1987 Jun;120(6):2357–66

Lack of usefulness of DN–1417 for characterization of a CNS receptor for thyrotropin–releasing hormone. Hawkins EF, et al. **J Neurochem** 1987 Jul;49(1):239–45

Primary culture of striatal neurons: a model of choice for pharmacological and biochemical studies of neurotransmitter receptors. Bockaert J, et al. **J Physiol (Paris)** 1986;81(4):219–27

Neuropeptide Y receptors and the inhibition of adenylate cyclase in the human frontal and temporal cortex. Westlind–Danielsson A, et al. **Neurosci Lett** 1987 Feb 24; 74(2):237–42

A guanine nucleotide–binding protein mediates the inhibition of voltage–dependent calcium current by somatostatin in a pituitary cell line. Lewis DL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9035–9

Analysis of receptor–coupled events in neuropeptide action using clonal cell lines. Hanley MR. **Prog Brain Res** 1987; 72:189–96 (27 ref.)

RECEPTORS, NEUROTRANSMITTER see **SYNAPTIC RECEPTORS**

RECEPTORS, NICOTINIC

Identification of subunits of acetylcholine receptor that interact with a cholesterol photoaffinity probe. Middlemas DS, et al. **Biochemistry** 1987 Mar 10;26(5):1219–23

ANALYSIS

The voltage–dependent sodium channel is co–localized with

the acetylcholine receptor at the vertebrate neuromuscular junction. Dreyfus P, et al.
Biochem Biophys Res Commun 1986 Aug 29;139(1):196–201

[3H]methylcarbamylcholine, a new radioligand for studying brain nicotinic receptors. Abood LG, et al.
Biochem Pharmacol 1986 Dec 1;35(23):4199–202

The 165-kDa peptide of the purified skeletal muscle dihydropyridine receptor contains the known regulatory sites of the calcium channel. Sieber M, et al.
Eur J Biochem 1987 Aug 17;167(1):117–22

Identification of a nicotinic acetylcholine receptor on neurons using an alpha-neurotoxin that blocks receptor function. Halvorsen SW, et al. **J Neurosci** 1986 Nov;6(11):3405–12

Ultrastructural distribution of 125I-toxin F binding sites on chick ciliary neurons: synaptic localization of a toxin that blocks ganglionic nicotinic receptors. Loring RH, et al.
J Neurosci 1987 Jul;7(7):2153–62

Regulation of dihydropyridine calcium antagonist binding sites in the rat hippocampus following neurochemical lesions. Bolger GT, et al. **J Neurosci Res** 1987;17(3):285–90

Functional acetylcholine receptor in PC12 cells reacts with a monoclonal antibody to brain nicotinic receptors. Whiting PJ, et al. **Nature** 1987 Jun 11–17;327(6122):515–8

Extraneural cholinergic markers in Alzheimer's and Parkinson's disease. Adem A, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1986; 10(3–5):247–57

Cholinergic receptors in aging and Alzheimer's disease. Whitehouse PJ, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1986; 10(3–5):665–76 (94 ref.)

Identification of an alpha subunit of dihydropyridine-sensitive brain calcium channels. Takahashi M, et al. **Science** 1987 Apr 3;236(4797):88–91

ANTAGONISTS & INHIBITORS

Reversal by atropine of tetanic fade induced in cats by antinicotinic and anticholinesterase agents. Alves-do-Prado W, et al. **Anesth Analg** 1987 Jun; 66(6):492–6

BIOSYNTHESIS

Muscle acetylcholine receptor biosynthesis. Regulation by transcript availability. Evans S, et al. **J Biol Chem** 1987 Apr 5;262(10):4911–6

DRUG EFFECTS

Neuropeptide Y constricts human skeletal muscle arteries via a nifedipine-sensitive mechanism independent of extracellular calcium? Pernow J, et al.
Acta Physiol Scand 1986 Dec;128(4):655–6

Affinity of pyridylalkylamines for nicotinic, muscarinic and histaminic recognition sites in brain tissue preparations. Repond C, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1191–4

Differential sensitivity of calcium channels to dihydropyridines. The modulated receptor hypothesis. Chin JH. **Biochem Pharmacol** 1986 Dec 1;35(23):4115–20 (53 ref.)

Kappa-flavitoxin: isolation of a new neuronal nicotinic receptor antagonist that is structurally related to kappa-bungarotoxin. Chiappinelli VA, et al. **Brain Res** 1987 Jan 27;402(1):21–9

Amino acid sequence of toxin F, a snake venom toxin that blocks neuronal nicotinic receptors. Loring RH, et al.
Brain Res 1986 Oct 15;385(1):30–7

Effects of nifedipine, verapamil, and diltiazem on [3H]-nitrendipine binding to the purified canine cardiac sarcolemmal membrane. Kurobe Y, et al.
Bull Osaka Med Sch 1985 Jul;31(1):1–14

Actions of membrane-active drugs on agonist occupation and functional state of nicotinic acetylcholine receptors. Cong Z, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec; 6(4):231–6

Nicotine induces T-suppressor cells: modulation by the nicotinic antagonist D-tubocurarine and myasthenic serum. Ménard L, et al. **Clin Immunol Immunopathol** 1987 Jul; 44(1):107–13

Cholinergic antagonists in a solitary wasp venom. Piek T, et al. **Comp Biochem Physiol [C]** 1986;85(2):433–6

Galanin suppresses nicotinic synaptic transmission in the myenteric plexus of guinea-pig small intestine. Tamura K, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):445–6

Anatoxin-a a potent ligand for nicotinic cholinergic receptors in rat brain. Zhang X, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):457–8

Evidence for an involvement of membrane lipids in the control of neuronal nicotinic receptor function using bungarotoxin II-S1. Quik M. **J Neurochem** 1987 Jun; 48(6):1761–7

Effects of substance P on nicotinic acetylcholine receptor function in PC12 cells. Simasko SM, et al.
J Neurochem 1987 Jul;49(1):253–60

Effect of piperidine and related alicyclic amines on nicotinic and muscarinic agonist binding sites in the mammalian brain. Yamada S, et al. **J Pharmacobiodyn** 1986 Jul; 9(7):620–5

Heterogeneity of nicotine actions in the rat cerebellum: an in vivo electrophysiologic study. de la Garza R, et al.
J Pharmacol Exp Ther 1987 Feb;240(2):689–95

5-Hydroxytryptamine decreases the sensitivity of nicotinic acetylcholine receptor in bull-frog sympathetic ganglion cells. Akasu T, et al. **J Physiol (Lond)** 1986 Nov;380:93–109

Prednisolone depresses the sensitivity of nicotinic ACh receptors at the frog end-plate. Akasu T, et al.
Kurume Med J 1986;33(1):51–4

Propranolol blocks the extrasynaptic nicotinic receptors on the intramural cardiac ganglion cells. Ikeda K, et al.
Kurume Med J 1986;33(2):117–9

The nicotinic-induced release of endogenous dopamine from rat striatal slices from animals chronically exposed to dimethylphenylpiperazinium (DMPP). Westfall TC, et al.
Neurosci Lett 1986 Nov 21;71(3):340–4

Actions of acetylcholine and nicotine on rat locus coeruleus neurons in vitro. Egan TM, et al. **Neuroscience** 1986 Oct; 19(2):565–71

Long-term blockade by toxin F of nicotinic synaptic potentials in cultured sympathetic neurons. Sah DW, et al. **Neuroscience** 1987 Mar;20(3):867–74

Lophotoxin: selective blockade of nicotinic transmission in autonomic ganglia by a coral neurotoxin. Sorenson EM, et al. **Neuroscience** 1987 Mar;20(3):875–84

Fourth ventricle effects of nicotine, 2-methylpiperidine and cytisine in dogs. Martin WR, et al.
Pharmacol Biochem Behav 1986 Oct;25(4):843–8

Actions of snake venom toxins on neuronal nicotinic receptors and other neuronal receptors. Chiappinelli VA. **Pharmacol Ther** 1985;31(1–2):1–32 (172 ref.)

[Direct effect of VX and soman on nicotinic receptors] Chen SM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep; 7(5):401–6 (Eng. Abstr.) **(Chi)**

[Effect of chronic chloroquine poisoning on the cardiac binding sites of calcium inhibitors in the rat] Diouf A, et al. **J Pharmacol** 1986 Jul–Sep;17(3):254–9 (Eng. Abstr.) **(Fre)**

[Neuromodulator mechanism of the inhibitory effect of deoxycorticosterone on the aggressive-defensive behavior of the rat] Sever'ianova LA. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):471–7 (Eng. Abstr.) **(Rus)**

GENETICS

Structural homology of nicotinic acetylcholine receptor subunits. Numa S. **Biochem Soc Symp** 1984;49:9–25

Messenger RNA from insect nervous tissue induces expression of neuronal acetylcholine receptors in Xenopus oocytes. Breer H, et al. **Brain Res** 1986 Nov;387(2):111–7

Members of a nicotinic acetylcholine receptor gene family are expressed in different regions of the mammalian central nervous system. Goldman D, et al. **Cell** 1987 Mar 27; 48(6):965–73

Neuronal nicotinic acetylcholine receptor beta-subunit is coded for by the cDNA clone alpha 4. Whiting P, et al.
FEBS Lett 1987 Jul 27;219(2):459–63

The effects of inhibiting oligosaccharide trimming by 1-deoxynojirimycin on the nicotinic acetylcholine receptor. Smith MM, et al. **J Biol Chem** 1986 Nov 5; 261(31):14825–32

A 5'-flanking region of the chicken acetylcholine receptor alpha-subunit gene confers tissue specificity and developmental control of expression in transfected cells. Klarsfeld A, et al. **Mol Cell Biol** 1987 Feb;7(2):951–5

The strychnine-binding subunit of the glycine receptor shows homology with nicotinic acetylcholine receptors. Grenningloh G, et al. **Nature** 1987 Jul 16–22; 328(6127):215–20

Primary structure of the receptor for calcium channel blockers from skeletal muscle. Tanabe T, et al. **Nature** 1987 Jul 23–29;328(6128):313–8

Expression of the alpha-bungarotoxin binding site of the nicotinic acetylcholine receptor by Escherichia coli transformants. Gershoni JM. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4318–21

Evolutionary origin of cholinergic macromolecules and thyroglobulin. Mori N, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2813–7

Chromosomal localization of muscle nicotinic acetylcholine receptor genes in the mouse. Heidmann O, et al.
Science 1986 Nov 14;234(4778):866–8

IMMUNOLOGY

Muscle antibodies in the cerebrospinal fluid from patients with myasthenia gravis. Thorlacius S, et al.
Acta Neurol Scand 1987 Jun;75(6):423–6

The auto-anti-idiotypic route to antireceptor antibodies. Erlanger BF, et al. **Ann NY Acad Sci** 1986;475:219–26

Monoclonal anti-idiotypic antibodies that recognize the binding site for nicotine on rat brain receptor. Bjercke RJ, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):847–53

An antibody to dihydropyridine calcium entry blockers. A comparison with the calcium channel receptor in skeletal muscle. Thayer SA, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4479–85

Interactions of anti-nicotinic acetylcholine receptor antibodies at alpha-bungarotoxin binding sites across species and tissues. Lukas RJ. **Brain Res** 1986 Nov; 387(2):119–25

Interactions of antinicotinic acetylcholine receptor antibodies with rat brain and muscle antigenic determinants. Lukas RJ. **Cell Mol Neurobiol** 1986 Sep;6(3):281–91

Myasthenic sera recognize the human acetylcholine receptor bound to thymopoietin. Morel E, et al. **Eur J Immunol** 1987 Aug;17(8):1109–13

Monoclonal antibodies against the 1,4-dihydropyridine receptor associated with voltage-sensitive Ca2+ channels detect similar polypeptides from a variety of tissues and species. Norman RI, et al. **FEBS Lett** 1987 Feb 9; 212(1):127–32

Auto-anti-idiotype: a basis for autoimmunity and a strategy for anti-receptor antibodies. Erlanger BF, et al.
Immunol Rev 1986 Dec;94:23–37

A monoclonal antibody interfering with binding and response of the acetylcholine receptor. Fels G, et al.
J Biol Chem 1986 Nov 25;261(33):15746–54

Selective in vitro inhibition of an antibody response to purified acetylcholine receptor by using anti-idiotypic antibodies coupled to the A chain of ricin. DeShambo RM, et al. **J Immunol** 1986 Nov 15;137(10):3135–9

Chronic experimental autoimmune myasthenia gravis induced by monoclonal antibody to acetylcholine receptor: biochemical and electrophysiologic criteria. Gomez CM, et al. **J Immunol** 1987 Jul 1;139(1):73–6

Influence of T cell specificity on the antibody response to the acetylcholine receptor. Krolick KA, et al.
J Neuroimmunol 1986 Nov;13(1):75–87

Antibodies in sera from patients with myasthenia gravis do not bind to nicotinic acetylcholine receptors from human brain. Whiting PJ, et al. **J Neuroimmunol** 1987 Oct; 16(2):205–13

Immunoactivation in the central nervous system in myasthenia gravis. Müller KM, et al. **J Neurol Sci** 1987 Aug;80(1):13–23

Monoclonal antibodies with defined specificities for Torpedo nicotinic acetylcholine receptor cross-react with Drosophila neural tissue. Chase BA, et al. **Neuroscience** 1987 Jun;21(3):959–76

Human T-helper lymphocytes in myasthenia gravis recognize the nicotinic receptor alpha subunit. Hohlfeld R, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5379–83

Mapping the main immunogenic region and toxin-binding site of the nicotinic acetylcholine receptor. Barkas T, et al. **Science** 1987 Jan 2;235(4784):77–80

Experimental models of myasthenia gravis: lessons in autoimmunity and progress toward better forms of treatment. Pachner AR. **Yale J Biol Med** 1987 Mar–Apr; 60(2):169–77

ISOLATION & PURIFICATION

The calcium channel antagonists receptor from rabbit skeletal muscle. Reconstitution after purification and subunit characterization. Barhanin J, et al. **Eur J Biochem** 1987 May 4;164(3):525–31

Purification of a functional receptor for calcium-channel blockers from rabbit skeletal-muscle microsomes. Flockerzi V, et al. **Eur J Biochem** 1986 Nov 17;161(1):217–24

Stereoselective photoaffinity labelling of the purified 1,4-dihydropyridine receptor of the voltage-dependent calcium channel. Striessnig J, et al. **Eur J Biochem** 1986 Dec 15;161(3):603–9

A microtechnique for quantification of detergent-solubilized muscarinic and nicotinic acetylcholine receptors using a semi-automated cell harvestor. Ahmad A, et al.
FEBS Lett 1987 Apr 20;214(2):285–90

Purification of putative Ca2+ channel protein from rabbit skeletal muscle. Determination of the amino-terminal sequence. Nakayama N, et al. **J Biol Chem** 1987 May 15; 262(14):6572–6

Dihydropyridine-sensitive Ca2+ channels: molecular properties of interaction with Ca2+ channel blockers, purification, subunit structure, and differentiation. Lazdunski M, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S13–9

Solubilization of calcium channel antagonist binding sites from rat brain. Finkel MS, et al. **J Neurochem** 1987 Sep; 49(3):921–7

Solubilization and characterization of the nitrendipine receptor in rat brain. Takemura M, et al. **J Neurochem** 1987 Apr;48(4):1185–90

Characterization of a purified nicotinic receptor from rat brain by using idiotypic and anti-idiotypic antibodies. Abood LG, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6587–90

Purification and characterization of a nicotinic acetylcholine receptor from rat brain. Whiting P, et al.
Proc Natl Acad Sci USA 1987 Jan;84(2):595–9

Molecular properties of voltage-sensitive calcium channels. Catterall WA, et al. **Soc Gen Physiol Ser** 1987;41:201–13

METABOLISM

Partial di-mesencephalic hemitransections produce disappearance of [3H]nicotine binding in discrete regions of rat brain. Härfstrand A, et al. **Acta Physiol Scand** 1987 May;130(1):161–3

Receptor pharmacology of calcium entry blocking agents. Vaghy PL, et al. **Am J Cardiol** 1987 Jan 23;59(2):9A–17A

Developmental regulation of nicotinic acetylcholine receptors. Schuetze SM, et al. **Annu Rev Neurosci** 1987; 10:403–57 (436 ref.)

Concomitant regulation of hippocampal calcium antagonist receptors and calcium uptake by substance P. Battaini F, et al. **Biochem Biophys Res Commun** 1987 May 14; 144(3):1135–42

Receptor binding characteristics of a 3H-labeled azetidine

analogue of nicotine. Abood LG, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2337–41

Binding of soman antidotes to acetylcholine receptors. Broomfield C, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1017–22

[3H]–nitrendipine binding in membranes obtained from hypoxic and reoxygenated heart. Matucci R, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1059–62

Allosteric interactions between distinct structural domains at the nicotinic acetylcholine receptor. Maelicke A. **Biochem Soc Trans** 1987 Feb;15(1):108–12

Binding of local anesthetics to reconstituted acetylcholine receptors: effect of protein surface potential. Earnest JP, et al. **Biochemistry** 1986 Sep 23;25(19):5809–18

Is agonist self–inhibition at the nicotinic acetylcholine receptor a nonspecific action? Forman SA, et al. **Biochemistry** 1987 May 19;26(10):2807–14

Identification of subunits of acetylcholine receptor that interact with a cholesterol photoaffinity probe. Middlemas DS, et al. **Biochemistry** 1987 Mar 10;26(5):1219–23

Structural heterogeneity of the alpha subunits of the nicotinic acetylcholine receptor in relation to agonist affinity alkylation and antagonist binding. Ratnam M, et al. **Biochemistry** 1986 Jul 29;25(15):4268–75

Monoclonal antibodies that coimmunoprecipitate the 1,4–dihydropyridine and phenylalkylamine receptors and reveal the Ca2+ channel structure. Vandaele S, et al. **Biochemistry** 1987 Jan 13;26(1):5–9

Rapid incorporation of the solubilized dihydropyridine receptor into phospholipid vesicles. Horne WA, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):205–12

[3H]–verapamil binding to rat cardiac sarcolemmal membrane fragments; an effect of ischaemia. Dillon JS, et al. **Br J Pharmacol** 1987 Jan;90(1):99–109

Nicotine receptors are located on lateral geniculate nucleus terminals in cat visual cortex. Prusky GT, et al. **Brain Res** 1987 May 26;412(1):131–8

Characteristics of a Ca2+/calmodulin–dependent binding of the Ca2+ channel antagonist, nitrendipine, to a postsynaptic density fraction isolated from canine cerebral cortex. Wu K, et al. **Brain Res** 1986 Nov;387(2):167–84

Brain nicotine cholinoceptor binding in spontaneous hypertension. Yamada S, et al. **Brain Res** 1987 May 5; 410(2):212–8

Characteristics of adrenoceptors and [3H]nitrendipine receptors of porcine vascular smooth muscle: differences between coronary artery and aorta. Nishimura J, et al. **Circ Res** 1987 Jun;60(6):837–44

Diphenylhydantoin blocks cardiac calcium channels and binds to the dihydropyridine receptor. Yatani A, et al. **Circ Res** 1986 Sep;59(3):356–61

The reaction site of a non–competitive antagonist in the delta–subunit of the nicotinic acetylcholine receptor. Oberthür W, et al. **EMBO J** 1986 Aug;5(8):1815–9

Dihydropyridine sites separate from junctional sacroplasmic reticulum in hypertension. Brandt N, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):265–8

Different target sizes of the voltage–dependent Ca2+ channel and the [3H]nitrendipine binding site in rat brain. Gredal O, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):75–80

[3H]acetylcholine release from the phrenic nerve is increased or decreased by activation or desensitization of nicotine receptors. Wessler I, et al. **Eur J Pharmacol** 1987 Mar 3; 135(1):85–7

Functional properties of nicotinic acetylcholine receptor subunits expressed in various combinations. Kurosaki T, et al. **FEBS Lett** 1987 Apr 20;214(2):253–8

The neurotoxin histrionicotoxin interacts with the putative ion channel of the nicotinic acetylcholine receptors in the central nervous system. Rapier C, et al. **FEBS Lett** 1987 Feb 23;212(2):292–6

A modified nicotinic acetylcholine receptor lacking the 'ion channel amphipathic helices'. Roth B, et al. **FEBS Lett** 1987 Aug 31;221(1):172–8

Photoaffinity labelling of the phenylalkylamine receptor of the skeletal muscle transverse–tubule calcium channel. Striessnig J, et al. **FEBS Lett** 1987 Feb 23;212(2):247–53

Equilibrium binding of cholinergic ligands to the membrane–bound acetylcholine receptor. Covarrubias M, et al. **J Biol Chem** 1986 Nov 15;261(32):14955–64

Reaction of [3H]meproadifen mustard with membrane–bound Torpedo acetylcholine receptor. Dreyer EB, et al. **J Biol Chem** 1986 Oct 15;261(29):13727–34

Two distinct (–)nicotine binding sites in goldfish brain. Identification and characterization of putative neuronal nicotinic acetylcholine receptor subtypes. Henley JM, et al. **J Biol Chem** 1987 May 15;262(14):6691–8

Phosphorylation of the 1,4–dihydropyridine receptor of the voltage–dependent Ca2+ channel by an intrinsic protein kinase in isolated triads from rabbit skeletal muscle. Imagawa T, et al. **J Biol Chem** 1987 Jun 15;262(17):8333–9

Structural characterization of the 1,4–dihydropyridine receptor of the voltage–dependent Ca2+ channel from rabbit skeletal muscle. Evidence for two distinct high molecular weight subunits. Leung AT, et al. **J Biol Chem** 1987 Jun 15;262(17):7943–6

Modulation of [3H]dihydropyridine receptors by activation of protein kinase C in chick muscle cells. Navarro J. **J Biol Chem** 1987 Apr 5;262(10):4649–52

Location of ligand–binding sites on the nicotinic acetylcholine receptor alpha–subunit. Pedersen SE, et al. **J Biol Chem** 1986 Oct 15;261(29):13735–43

Identification of the multidrug resistance–related membrane glycoprotein as an acceptor for calcium channel blockers. Safa AR, et al. **J Biol Chem** 1987 Jun 5;262(16):7884–8

Identification and characterization of the dihydropyridine–binding subunit of the skeletal muscle dihydropyridine receptor. Sharp AH, et al. **J Biol Chem** 1987 Sep 5;262(25):12309–15

Formation of the alpha–bungarotoxin binding site and assembly of the nicotinic acetylcholine receptor subunits occur in the endoplasmic reticulum [published erratum appears in J Biol Chem 1987 Jul 5;262(19):9428] Smith MM, et al. **J Biol Chem** 1987 Mar 25;262(9):4367–76

Calcium channel blocking properties of amlodipine in vascular smooth muscle and cardiac muscle in vitro: evidence for voltage modulation of vascular dihydropyridine receptors. Burges RA, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):110–9

Calcium antagonist properties of diclofurime isomers. II. Molecular aspects: allosteric interactions with dihydropyridine recognition sites. Mir AK, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):469–77

Calcium channel receptor binding studies for diltiazem and its major metabolites: functional correlation to inhibition of portal vein myogenic activity. Schoemaker H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):173–80

Acetylcholine receptor clustering and nuclear movement in muscle fibers in culture. Englander LL, et al. **J Cell Biol** 1987 Jan;104(1):87–95

Degradation rates of acetylcholine receptors can be modified in the postjunctional plasma membrane of the vertebrate neuromuscular junction. Salpeter MM, et al. **J Cell Biol** 1986 Oct;103(4):1399–403

3H–nicotine– and 125I–alpha–bungarotoxin–labeled nicotinic receptors in the interpeduncular nucleus of rats. II. Effects of habenular deafferentation. Clarke PB, et al. **J Comp Neurol** 1986 Sep 15;251(3):407–13

3H–nicotine and 125I–alpha–bungarotoxin–labeled nicotinic receptors in the interpeduncular nucleus of rats. I. Subnuclear distribution. Hamill GS, et al. **J Comp Neurol** 1986 Sep 15;251(3):398–406

Acetylcholine receptor kinetics: chemical kinetics. Udgaonkar JB, et al. **J Membr Biol** 1986;93(2):93–109 (142 ref.)

In vitro binding of 3H–acetylcholine to nicotinic receptors in rodent and human brain. Larsson C, et al. **J Neural Transm** 1987;69(1–2):3–18

Characterization of the dihydropyridine binding sites of rat neocortical synaptosomes and microvessels. Dooley DJ, et al. **J Neurochem** 1987 Sep;49(3):900–4

Postnatal development of cholinergic enzymes and receptors in mouse brain. Fiedler EP, et al. **J Neurochem** 1987 Sep; 49(3):983–90

Characterization of L–[3H]nicotine binding in human cerebral cortex: comparison between Alzheimer's disease and the normal. Flynn DD, et al. **J Neurochem** 1986 Dec; 47(6):1948–54

alpha–Bungarotoxin binds to low–affinity nicotine binding sites in rat brain. Wonnacott S. **J Neurochem** 1986 Dec; 47(6):1706–12

Nicotinic receptor abnormalities in Alzheimer's and Parkinson's diseases. Perry EK, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):806–9

Immunological identification of a nicotinic acetylcholine receptor on bovine chromaffin cells. Higgins LS, et al. **J Neurosci** 1987 Jun;7(6):1792–8

Pharmacological properties of immuno–isolated neuronal nicotinic receptors. Whiting P, et al. **J Neurosci** 1986 Oct; 6(10):3061–9

Local anesthetics differentiate dihydropyridine calcium antagonist binding sites in rat brain and cardiac membranes. Bolger GT, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):922–30

Influence of Mg++ on the effect of diltiazem to increase dihydropyridine binding to receptors on Ca++–channels in chick cardiac and skeletal muscle membranes. Maan AC, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):768–74

Dose–response analysis of nicotine tolerance and receptor changes in two inbred mouse strains. Marks MJ, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):358–64

Development of [3H]nicotine binding sites in brain regions of rats exposed to nicotine prenatally via maternal injections or infusions. Slotkin TA, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):232–7

Regulation of the nicotinic acetylcholine receptor by protein phosphorylation. Huganir RL. **J Recept Res** 1987; 7(1–4):241–56

Binding of (+)–PN 200–110 to rat pituitaries and to normal and adenomatous human pituitaries. Bression D, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):255–61

Barbiturates bind to an allosteric regulatory site on nicotinic acetylcholine receptor–rich membranes. Dodson BA, et al. **Mol Pharmacol** 1987 Jul;32(1):119–26

Kinetics and mechanism of L–[3H]nicotine binding to putative high affinity receptor sites in rat brain. Lippiello PM, et al. **Mol Pharmacol** 1987 Apr;31(4):392–400

Nicotinic binding sites in rat and mouse brain: comparison of acetylcholine, nicotine, and alpha–bungarotoxin. Marks MJ, et al. **Mol Pharmacol** 1986 Nov;30(5):427–36

Marked up–regulation of the beta–bungarotoxin site in adrenal chromaffin cells by specific nicotinic antagonists. Quik M, et al. **Mol Pharmacol** 1987 Apr;31(4):385–91

Correlation between the negative inotropic potency and binding parameters of 1,4–dihydropyridine and phenylalkylamine calcium channel blockers in cat heart. Goll A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov;334(3):303–12

Interaction of gephyrotoxin and indolizidine alkaloids with the nicotinic acetylcholine receptor–ion channel complex of Torpedo electroplax. Aronstam RS, et al. **Neurochem Res** 1986 Aug;11(8):1227–40

Differential distribution of muscarinic cholinergic and putative nicotinic cholinergic receptors within the hypothalamo–neurohypophysial system of the rat. Michels KM, et al. **Neuroendocrinology** 1986;44(4):498–507

Regulation of nicotinic acetylcholine receptor phosphorylation in rat myotubes by forskolin and cAMP. Miles K, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6591–5

Regulation of phosphorylation of nicotinic acetylcholine receptors in mouse BC3H1 myocytes. Smith MM, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6601–5

Pharmacology of (–) [3H]D888 (desmethoxyverapamil) binding sites in rat skeletal membranes. Atrakchi AH, et al. **Proc West Pharmacol Soc** 1987;30:127–30

Coordinate regulation of expression of synaptic proteins in skeletal muscle: studies with acetylcholine receptor. Merlie JP, et al. **Soc Gen Physiol Ser** 1987;41:77–97

PHYSIOLOGY

Chemical kinetic measurements of transmembrane processes using rapid reaction techniques: acetylcholine receptor. Hess GP, et al. **Annu Rev Biophys Biophys Chem** 1987; 16:507–34 (157 ref.)

Acetylcholine receptor structure, function, and evolution. Stroud RM, et al. **Annu Rev Cell Biol** 1985;1:317–51 (125 ref.)

Sensitivity of cultured chick embryo heart cells to acetylcholine. Evidence for nicotinic and muscarinic receptors. Suignard–Khaskiye G, et al. **Arch Anat Microsc Morphol Exp** 1985;74(4):237–45

Trapping of an open–channel blocker at the frog neuromuscular acetylcholine channel. Neely A, et al. **Biophys J** 1986 Nov;50(5):981–6

Muscarinic and nicotinic mechanisms in the responses of the adrenal medulla of the dog and cat to reflex stimuli and to cholinomimetic drugs. Critchley JA, et al. **Br J Pharmacol** 1986 Dec;89(4):831–5

Cholinergic control of the mechanical properties of the catch connective tissue in the holothurian body wall. Motokawa T. **Comp Biochem Physiol [C]** 1987;86(2):333–7

Formation of acetylcholine receptor clusters in mammalian sternohyoid muscle regenerating in the absence of nerves. Hansen–Smith FM. **Dev Biol** 1986 Nov;118(1):129–40

Development of amygdaloid cholinergic mediation of passive avoidance learning in the rat. II. Nicotinic mechanisms. Blozovski D, et al. **Exp Brain Res** 1987;67(1):70–6

Evidence that central nicotinic–acetylcholine receptors are involved in the modulation of basal and stress–induced adrenocortical responses. Brenner T, et al. **Exp Neurol** 1986 Dec;94(3):735–43

Evidence for an olfactory receptor which responds to nicotine—nicotine as an odorant. Edwards DA, et al. **Experientia** 1987 Aug 15;43(8):868–73

Disruption and reformation of the acetylcholine receptor clusters of cultured rat myotubes occur in two distinct stages. Pumplin DW, et al. **J Cell Biol** 1987 Jan; 104(1):97–108

Nicotinic acetylcholine receptors on a cholinergic nerve terminal in the cockroach, Periplaneta americana. Blagburn JM, et al. **J Comp Physiol [A]** 1987 Aug;161(2):215–25

Genetic analysis of nicotine–induced seizures and hippocampal nicotinic receptors in the mouse. Miner LL, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):853–60

Dual roles for DHP receptors in excitation—contraction coupling? [news] Agnew WS. **Nature** 1987 Jul 23–29; 328(6128):297

Molecular biophysics. Going round in receptor circles [news] Karlin A. **Nature** 1987 Sep 24–30;329(6137):286–7

Involvement of dihydropyridine receptors in excitation–contraction coupling in skeletal muscle. Rios E, et al. **Nature** 1987 Feb 19–25;325(6106):717–20

Presynaptic nicotine receptors mediating a positive feed–back on transmitter release from the rat phrenic nerve. Wessler I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):365–72

Activation of dihydropyridine receptors differentially regulates temperature responses in rat. Pillai NP, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):549–54

Calcium–dependent effect of the thymic polypeptide thymopoietin on the desensitization of the nicotinic acetylcholine receptor. Revah F, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3477–81

Effect of clonidine on neuromuscular transmission and the nicotinic acetylcholine receptor. Chiou LC, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):148–54

Acetylcholine may regulate its own nicotinic receptor–channel through the C–kinase system. Eusebi F, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):355–65

Functional sites and transient states of the nicotinic acetylcholine receptor. Karlin A, et al. **Soc Gen Physiol Ser** 1987;41:43–65 (97 ref.)

Function of nicotinic acetylcholine receptors. Steinbach JH, et al. **Soc Gen Physiol Ser** 1987;41:19–42 (51 ref.)

Topological mapping and the ionic channel in an

acetylcholine receptor. Stroud RM.
Soc Gen Physiol Ser 1987;41:67–75
[Differences in the habituation of the nicotinic and muscarinic cholinoreceptors of Helix neuron PPa4] Pivovarov AS, et al. **Zh Vysh Nerv Deiat** 1987 May–Jun;37(3):528–36 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Location of subunits within the acetylcholine receptor by electron image analysis of tubular crystals from Torpedo marmorata. Kubalek E, et al. **J Cell Biol** 1987 Jul; 105(1):9–18

RECEPTORS, OPIATE see **RECEPTORS, ENDORPHIN**

RECEPTORS, PITUITARY HORMONE

ANALYSIS

Characterization of the porcine ACTH receptor with the aid of a monoclonal antibody. Lüddens H, et al.
Biol Chem Hoppe Seyler 1986 Jul;367(7):539–47

DRUG EFFECTS

Gonadotropin releasing hormone (GnRH) analogs for the treatment of breast and prostatic carcinoma. Santen RJ, et al. **Breast Cancer Res Treat** 1986;7(3):129–45 (38 ref.)
Suppression of receptors for prolactin and estrogen in rat liver due to treatment with the growth hormone analogue produced by the tapeworm Spirometra mansonoides. Phares CK, et al. **J Recept Res** 1986;6(5–6):425–46
Dual regulation of beta-melanotropin receptor function and adenylate cyclase by calcium and guanosine nucleotides in the M2R melanoma cell line. Gerst JE, et al.
Mol Pharmacol 1987 Jan;31(1):81–8

METABOLISM

Pulsatile GnRH administration stimulates the number of pituitary GnRH receptors in seasonally anoestrous ewes. Khalid M, et al. **J Reprod Fertil** 1987 Jan;79(1):223–30

PHYSIOLOGY

Differential effects of aging on adrenocorticotropin receptors, adenosine 3'5'-monophosphate response, and corticosterone secretion in adrenocortical cells from Sprague–Dawley rats. Popplewell PY, et al.
Endocrinology 1986 Nov;119(5):2206–13

RECEPTORS, PROGESTERONE

Complete amino acid sequence of the human progesterone receptor deduced from cloned cDNA. Misrahi M, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):740–8

ANALYSIS

Influence of steroid hormones on the growth fraction of human breast carcinomas. Jones B, et al.
Am J Clin Pathol 1987 Aug;88(2):132–8
The value of imprint cytology in cytochemical detection of steroid hormone receptors in breast cancer. Masood S, et al. **Am J Clin Pathol** 1987 Jan;87(1):30–6
Circannual rhythms in steroid receptor concentration in gynecologic and breast cancers. Chambers JT, et al.
Am J Obstet Gynecol 1987 Mar;156(3):728–9
A comparison of estrogen and progesterone receptors in black and white breast cancer patients. Beverly LN, et al.
Am J Public Health 1987 Mar;77(3):351–3
Monoclonal antibody staining and impact of surgical technique on the identification and quantitation of steroid receptors in human breast cancer. Butler J, et al.
Am J Surg 1987 Jul;154(1):62–6
High-yield high-performance liquid chromatographic analysis of steroid hormone receptors on glass columns. Denner LA, et al. **Anal Biochem** 1987 Mar;161(2):291–9
Quality control of estrogen and progesterone receptor assays. Chua D, et al. **Ann Acad Med Singapore** 1986 Oct; 15(4):492–7
Oestrogen and progesterone receptor concentrations in leiomyoma and normal myometrium. Sadan O, et al.
Ann Clin Biochem 1987 May;24 (Pt 3):263–7
A multifactorial analysis of different biological and clinical parameters in breast cancer. Toma S, et al.
Anticancer Res 1987 May–Jun;7(3 Pt B):401–7
Correlation between estrogen and progesterone receptors and certain pathologic features with prognostic significance in primary invasive breast carcinomas. Santini D, et al.
Arch Anat Cytol Pathol 1986;34(2):85–8
Estradiol and progesterone receptors in a case of fibromatosis of the breast. Pierce VE Jr, et al.
Arch Pathol Lab Med 1987 Sep;111(9):870–2
Steroid receptors and histological types in cervical cancer. Fujimoto J, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):541–8
Magnum morphogenesis during the natural development of the quail oviduct: analysis of egg white proteins and progesterone receptor concentration. Pageaux JF, et al.
Biol Reprod 1986 Oct;35(3):657–66
Oestrogen and progesterone receptor distribution in the cancerous breast. Panahy C, et al. **Br J Cancer** 1987 Apr; 55(4):459–62
Steroid receptors in human ovarian malignancy. A review of four years tissue collection. Toppila M, et al.
Br J Obstet Gynaecol 1986 Sep;93(9):986–92
Predictive power of progesterone receptor status in early breast carcinoma. Sutton R, et al. **Br J Surg** 1987 Mar; 74(3):223–6
Immunocytochemical localization of progesterone receptor in the guinea pig central nervous system. Warembourg M, et al. **Brain Res** 1986 Oct 1;384(1):121–31
Tumor nuclear grade, estrogen receptor, and progesterone receptor: their value alone or in combination as indicators of outcome following adjuvant therapy for breast cancer. Fisher B, et al. **Breast Cancer Res Treat** 1986;7(3):147–60
Estrogen and progesterone receptor determination in the papillary cystic neoplasm of the pancreas. With immunohistochemical and ultrastructural observations. Ladanyi M, et al. **Cancer** 1987 Oct 1;60(7):1604–11
Nuclear steroid receptors and dysplasia in adenomatous polyps of the colon as markers of high risk for malignant transformation. Concolino G, et al. **Cancer Detect Prev** 1986;9(5–6):477–84
Decision analysis of estrogen and progesterone receptor testing in the management of breast cancer. Ellwein LB, et al. **Cancer Invest** 1987;5(2):83–8
Long-term alterations in histology and steroid receptor levels of the genital tract and mammary gland following neonatal exposure of female BALB/cCrgl mice to various doses of diethylstilbestrol. Bern HA, et al. **Cancer Res** 1987 Aug 1;47(15):4165–72
Endocrine therapy for advanced carcinoma of the breast: effect of tumor heterogeneity and site of biopsy on the predictive value of progesterone receptor estimations. Howell A, et al. **Cancer Res** 1987 Jan 1;47(1):296–9
Endocrine therapy for advanced carcinoma of the breast: relationship between the effect of tamoxifen upon concentrations of progesterone receptor and subsequent response to treatment. Howell A, et al. **Cancer Res** 1987 Jan 1;47(1):300–4
Prediction of clinical outcome with estrogen and progestin receptor concentrations and their relationships to clinical and histopathological variables in endometrial cancer. Kauppila AJ, et al. **Cancer Res** 1986 Oct;46(10):5380–4
2',5'-oligoadenylate synthetase activity in human mammary tumors and its potential correlation with tumor growth or hormonal responsiveness. Liu DK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6207–10
Expression of the gene encoding a prolactin-inducible protein by human breast cancers in vivo: correlation with steroid receptor status. Murphy LC, et al. **Cancer Res** 1987 Aug 1;47(15):4160–4
Immunocytochemical study with monoclonal antibodies to progesterone receptor in human breast tumors. Perrot-Applanat M, et al. **Cancer Res** 1987 May 15; 47(10):2652–61
Immunological quantitation of nuclear receptors in human breast cancer: relation to cytosolic estrogen and progesterone receptors. Thorpe SM. **Cancer Res** 1987 Apr 1;47(7):1830–5
Oestrogen and progesterone receptor determinations in breast cancer: technology and biology. Thorpe SM, et al.
Cancer Surv 1986;5(3):505–25 (110 ref.)
Estrogen and progesterone receptors in neoplastic cells of metastatic pleural effusion of breast carcinoma before and after tamoxifen therapy. Correlation with the clinical response. Di Lorenzo D, et al. **Chemioterapia** 1986 Aug; 5(4):232–6
Progesterone receptors should be measured in postmenopausal women negative for estrogen receptor [letter] Barnes DM, et al. **Clin Chem** 1987 May;33(5):741–2
Are progesterone receptor assays needed in post-menopausal, estrogen receptor-negative patients? [letter] Brocklehurst D, et al. **Clin Chem** 1986 Nov;32(11):2120
Estrogen and progesterone receptors and creatine kinase isoenzymes in human breast cancer. Lakatua DJ, et al.
Clin Chem 1986 Nov;32(11):2103–4
Steroid receptors and endometrial cancer. Soper JT, et al.
Clin Obstet Gynaecol 1986 Dec;13(4):825–42
The status of receptors in the management of endometrial cancer. Richardson GS, et al. **Clin Obstet Gynecol** 1986 Sep;29(3):628–37
A study of cytoplasmic and nuclear estrogen and progestin receptors in gynecologic neoplasms. Sakamoto H, et al.
Endocrinol Jpn 1987 Apr;34(2):179–87
Nuclear localization of progesterone receptor before and after exposure to progestin at low and high temperatures: autoradiographic and immunohistochemical studies of chick oviduct. Ennis BW, et al. **Endocrinology** 1986 Nov; 119(5):2066–75
Immunocytochemical localization of progesterone receptor in the chick ovary. Isola J, et al. **Endocrinology** 1987 Sep; 121(3):1034–40
Correlation between prolactin receptors (PRL R), estradiol (ER) and progesterone receptors (PgR) in human breast cancer. Bonneterre J, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1331–6
Standardization of steroid receptor assays in human breast cancer--IV. Long-term within- and between-laboratory variation of estrogen and progesterone receptor assays. Koenders A, et al. **Eur J Cancer Clin Oncol** 1986 Aug; 22(8):945–52
Estrogen and progestin receptor assay in fine needle aspirates of breast cancer: methodological aspects. Magdelenat H, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):425–31
Standardization of steroid receptor assays in human breast cancer--III. Selection of reference material for intra- and inter-laboratory quality control. Thorpe SM, et al.
Eur J Cancer Clin Oncol 1986 Aug;22(8):939–44
Estrogen and progesterone receptors status in the prediction of response of breast cancer to endocrine therapy (preliminary report). Nardelli GB, et al.
Eur J Gynaecol Oncol 1986;7(3):151–8
Sex hormone receptors in intracranial tumours and normal brain. Whittle IR, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):303–7
Characterization of the nuclear progesterone receptor in normal human endometrium after progesterone injection. Gorodeski IG, et al. **Gynecol Obstet Invest** 1987;23(1):48–53
Decreased induced retention of the progesterone receptor in the nuclear extract in human uterine leiomyoma in vivo. Gorodeski IG, et al. **Gynecol Obstet Invest** 1987;23(4):241–6
Endometrial stromal sarcoma: a clinicopathologic study of 11 cases with determination of estrogen and progestin receptor levels in three tumors. Katz L, et al.
Gynecol Oncol 1987 Jan;26(1):87–97
Estrogen synthesizing rare malignant Brenner tumor of the ovary with the presence of progesterone and androgen receptors in the absence of estrogen receptors. Kühnel R, et al. **Gynecol Oncol** 1987 Feb;26(2):263–9
In vitro effects of tamoxifen on UM-SCC head and neck cancer cell lines: correlation with the estrogen and progesterone receptor content. Grenman R, et al.
Int J Cancer 1987 Jan 15;39(1):77–81
Cytoplasmic and nuclear progesterone receptors in human fallopian tube and their relationship to plasma steroids during the menstrual cycle. Helm G, et al. **Int J Fertil** 1987 Mar-Apr;32(2):162–6
Clinical evaluation of steroid receptors in ovarian neoplasms. Agarwal N, et al. **Int J Gynaecol Obstet** 1987 Apr; 25(2):145–9
Prognostic significance of steroid hormone receptors and histopathological characterization of human breast cancer. Reiner A, et al. **J Cancer Res Clin Oncol** 1987;113(3):285–90
(Z)-17 beta-hydroxy-17 alpha-(2-[125I]iodovinyl)-4-estren-3-one: a new specific gamma-emitting ligand for determination of progesterone receptor. Grill HJ, et al. **J Clin Chem Clin Biochem** 1987 Feb;25(2):107–12
Endometrial cytosolic and nuclear progesterone receptors in the luteal phase defect. Jacobs MH, et al.
J Clin Endocrinol Metab 1987 Mar;64(3):472–5
Breast cancers negative for estrogen receptor but positive for progesterone receptor, a true entity? Kiang DT, et al.
J Clin Oncol 1987 Apr;5(4):662–6
Steroid hormone receptors in human salivary gland tumours. Lamey PJ, et al. **J Clin Pathol** 1987 May;40(5):532–4
Oestrogen and progesterone hormone receptors in Dupuytren's disease. Hankin FM, et al.
J Hand Surg [Br] 1986 Oct;11(3):463–4
Correlation of meningioma hormone receptor status with hormone sensitivity in a tumor stem-cell assay. Grunberg SM, et al. **J Neurosurg** 1987 Mar;66(3):405–8
Estrogen and progesterone receptor assays on the vulvar epithelium. Garau JM, et al. **J Reprod Med** 1986 Oct; 31(10):987–91
Receptor structure: a personal assessment of the current status. King RJ. **J Steroid Biochem** 1986 Sep;25(3):451–4 (52 ref.)
Distribution of progesterone receptors between the cytosol and nuclear fraction in normal and neoplastic human endometrium. Lenasi H, et al. **J Steroid Biochem** 1987 Apr; 26(4):457–62
Decreased concentrations and affinities of oestrogen and progesterone receptors of intrauterine tissue in human pregnancy. Padayachi T, et al. **J Steroid Biochem** 1987 Apr; 26(4):473–9
Estrogen and progesterone receptor levels are lower in specimens taken from previously biopsied breast tumor tissue. Sharoni Y, et al. **J Surg Oncol** 1987 Jul;35(3):197–200
The effects of ischemia on estrogen and progesterone receptor profiles in the rodent uterus. Bland KI, et al.
J Surg Res 1987 Jun;42(6):653–60
Tamoxifen binding sites in human mammary cancers. Fujino N, et al. **Jpn J Surg** 1986 Sep;16(5):311–7
A new assay to assess steroid-hormone responsiveness in head and neck cancer. Berg NJ, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):286–90
Characterization of the nuclear progesterone receptor in normal Premarin-primed post-menopausal endometrium. Gorodeski IG, et al. **Maturitas** 1986 Dec;8(4):345–52
Effect of progesterone injection on progesterone receptor levels and distribution in untreated and short-term Premarin-primed pre-menopausal and post-menopausal endometrium. Gorodeski IG, et al. **Maturitas** 1986 Dec; 8(4):353–8
The predictive value of steroid hormone receptor analysis in breast, endometrial and ovarian cancer. Vihko R, et al.
Med Oncol Tumor Pharmacother 1986;3(3–4):197–210 (102 ref.)
Steroid hormone receptors in pituitary adenomas: a biochemical, immunohistochemical and morphometric study on cryostat sections. Ironside JW, et al.
Neuropathol Appl Neurobiol 1986 Nov–Dec;12(6):539–46
Are cytosol estrogen and progestin receptors of prognostic significance in the management of epithelial ovarian

cancers? Schwartz PE, et al. **Obstet Gynecol** 1986 Dec; 68(6):751–8

Estrogen and progesterone receptors in uterine sarcomas. Sutton GP, et al. **Obstet Gynecol** 1986 Nov;68(5):709–14

Relation between receptor status and ultrastructure in breast cancer: E+P+ versus E–P–. Stegner HE, et al. **Pathol Res Pract** 1986 Aug;181(4):377–81

Estrogen and progesterone receptors in human breast cancer. Chen TJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr; 86(4):366–72

Sex hormone receptors in localized and advanced transitional cell carcinoma of urinary tract in humans. Noronha RF, et al. **Urology** 1986 Nov;28(5):401–3

[Placental estrogen and progesterone receptors in relation to gestational stage] Gao YL. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Sep;21(5):261–3, 317 (Eng. Abstr.) **(Chi)**

[Determination of hormone receptors in cancer of the breast. Presentation of 5-year results in Luxembourg] Hoffmann JP. **Bull Soc Sci Med Grand Duche Luxemb** 1986; 123(2):57–9 **(Fre)**

[Correlations between various anatomo-pathologic criteria of cancer of the breast and the determination of hormonal receptors] Lenzen B, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):79–81 **(Fre)**

[Standardization of receptor diagnosis in breast cancer] Hickler W, et al. **Dtsch Med Wochenschr** 1986 Dec 12; 111(50):1931–3 **(Ger)**

[Cytomorphological grading and hormone receptor status in breast carcinoma. Visual studies of smear preparations] Schenck U, et al. **Dtsch Med Wochenschr** 1986 Dec 19; 111(51–52):1949–53 (Eng. Abstr.) **(Ger)**

[Nuclear receptors in estrogen receptor negative tumors with progesterone receptors] Geyer H, et al. **Onkologie** 1987 Apr;10(2):79–82 (Eng. Abstr.) **(Ger)**

[Estrogen and progesterone receptors in human liver: does their study contribute to a better understanding of benign contraceptive-associated liver tumors?] Pirovino M, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):971–3 (Eng. Abstr.) **(Ger)**

[Steroid hormone receptors in struma] Stoss F, et al. **Wien Klin Wochenschr** 1987 Jun 26;99(13):460–1 (Eng. Abstr.) **(Ger)**

[Hormone receptors in normal and pathological salivary glands. Preliminary results] Altissimi G, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):515–23 (Eng. Abstr.) **(Ita)**

[Breast neoplasms: possible prognostic role of steroid receptors] Barbi GP, et al. **Minerva Ginecol** 1987 Apr; 39(4):225–8 (Eng. Abstr.) **(Ita)**

[Estrogen and progesterone receptors in cancer of the female breast: correlation with the age of the patients, fertility status, tumor stage and grading] Bracali G, et al. **Pathologica** 1986 Mar–Apr;78(1054):179–94 (Eng. Abstr.) **(Ita)**

[Comparative study of estrogen receptor assays between immunocytochemical assay using monoclonal antibody and the dextran- coated charcoal method] Toi M, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3056–62 (Eng. Abstr.) **(Jpn)**

[Prognostic value of hormone receptor in breast cancer] Yamamoto H, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan; 88(1):96–101 (Eng. Abstr.) **(Jpn)**

[Plasma levels of sex hormones and their receptors in the endometrium of women with normal menstrual cycle] Asribekova MK, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):30–3 (Eng. Abstr.) **(Rus)**

[Clinical importance of determining steroid hormone receptors in endometrial adenocarcinomas] Avdeev VI, et al. **Vopr Onkol** 1987;33(6):53–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Growth inhibition by progestins in a human endometrial cancer cell line with estrogen-independent progesterone receptors. Terakawa N, et al. **Cancer Res** 1987 Apr 1; 47(7):1918–23

Nuclear origin of progesterone receptor of the chick oviduct cytosol. An immunoelectron microscopic study. Isola J, et al. **Histochemistry** 1986;86(1):53–8

Progesterone receptor synthesis and degradation in MCF-7 human breast cancer cells as studied by dense amino acid incorporation. Evidence for a non-hormone binding receptor precursor. Mullick A, et al. **J Biol Chem** 1986 Oct 5;261(28):13236–46

Sexual maturation-associated and estrogen-induced progesterone receptor expression in the bursa of Fabricius. Ylikomi TJ, et al. **J Immunol** 1987 May 15;138(10):3174–8

Regional sex differences in progestin receptor induction in the rat hypothalamus: effects of various doses of estradiol benzoate. Brown TJ, et al. **J Neurosci** 1987 Aug; 7(8):2529–36

Estradiol-induced progesterone receptor synthesis in normal and diabetic ovariectomized rat uterus. Ekka E, et al. **J Steroid Biochem** 1987 Jul;28(1):61–4

An evaluation of the involvement of polyamines in modulating MCF-7 human breast cancer cell proliferation and progesterone receptor levels by estrogen and antiestrogen. Kendra KL, et al. **J Steroid Biochem** 1987 Aug;28(2):123–8

Priming action on progesterone receptor synthesis by estradiol and tamoxifen in the 7,12-dimethylbenz(a)anthracene-induced rat mammary carcinoma. Boccardo F, et al. **Oncology** 1987;44(4):248–52

DRUG EFFECTS

The effect of copper ions in vivo on specific hormonal endometrial receptors. de Castro A, et al. **Adv Contracept** 1986 Dec;2(4):399–404

Effects of clomiphene citrate on cytosolic estradiol and progesterone receptor concentrations in secretory endometrium. Aksel S, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1219–23

Antiprogesterone effect and midcycle (periovulatory) contraception. Baulieu EE. **Eur J Obstet Gynecol Reprod Biol** 1975;4(5):161–6

Differential suppression of progesterone receptors by progesterone in the reproductive tract of female macaques. West NB, et al. **J Steroid Biochem** 1986 Oct;25(4):497–503

Estrogen-induced and estrogen-facilitated female rat sexual behavior is not mediated by progestin receptors. Blaustein JD, et al. **Neuroendocrinology** 1987 Feb;45(2):152–9

Modulation of steroid hormone receptors in the brain—inhibitory effect of fatty acids on the binding between cytosol progestin receptors in the rat cortex and R5020. Mitsuhashi N, et al. **Psychoneuroendocrinology** 1987; 12(2):159–61

Endocrine manipulation of meningiomas with medroxyprogesterone acetate. Effect of MPA on receptor status of meningioma cytosols. Markwalder TM, et al. **Surg Neurol** 1987 Jul;28(1):3–9

GENETICS

The progesterone receptor gene maps to human chromosome band 11q13, the site of the mammary oncogene int-2. Law ML, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2877–81

Cloning and sequence analysis of rabbit progesterone-receptor complementary DNA. Loosfelt H, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9045–9

IMMUNOLOGY

Steroid receptor antibodies in autoimmune disorders. Feldman M. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1342–8

Monoclonal antibodies to human progesterone receptor: characterization by biochemical and immunohistochemical techniques. Clarke CL, et al. **Endocrinology** 1987 Sep; 121(3):1123–32

Preparation of monoclonal antibodies to the avian progesterone receptor. Sullivan WP, et al. **Endocrinology** 1986 Oct;119(4):1549–57

ISOLATION & PURIFICATION

Extraction of ER and PgR with molybdate. Chen YM, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):491–6

A protein kinase copurified with chick oviduct progesterone receptor. Garcia T, et al. **Biochemistry** 1986 Dec 2; 25(24):7937–42

Evidence for a single steroid-binding protein in the rabbit progesterone receptor. Lamb DJ, et al. **Biochemistry** 1986 Oct 7;25(20):6319–24

A progesterone receptor affinity chromatography reagent: 17 alpha-hexynyl nortestosterone sepharose. Salman M, et al. **J Steroid Biochem** 1987 Mar;26(3):383–91

METABOLISM

The influence of structural modification on progesterone and androgen receptor binding of norethisterone. Correlation with nuclear magnetic resonance signals. Hoppen HO, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):406–12

Reversible dissociation of chick oviduct progesterone receptor subunits. Grody WW, et al. **Adv Exp Med Biol** 1986;205:351–71

Danazol binds to progesterone receptors and inhibits the growth of human endometrial cancer cells in vitro. Ikegami H, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):857–61

Effect of photoaffinity labeling on rabbit uterine progesterone receptor. Clarke CL, et al. **Anal Biochem** 1986 Aug 15; 157(1):154–61

Relapse of endometrial carcinoma related to steroid receptor concentration, staging, histologic grading and myometrial invasion. Lindahl B, et al. **Anticancer Res** 1986 Nov–Dec; 6(6):1317–20

Cellular progesterone receptor phosphorylation in response to ligands activating protein kinases. Rao KV, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1357–65

Involvement of a non-hormone-binding 90-kilodalton protein in the nontransformed 8S form of the rabbit uterus progesterone receptor. Renoir JM, et al. **Biochemistry** 1986 Oct 21;25(21):6405–13

A 59-kilodalton protein associated with progestin, estrogen, androgen, and glucocorticoid receptors. Tai PK, et al. **Biochemistry** 1986 Sep 9;25(18):5269–75

Immunologically distinct binding molecules for progesterone and RU38486 in the chick oviduct cytosol. Eliezer N, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):34–9

Evidence for separate binding sites for progesterone and RU486 in the chick oviduct. Moudgil VK, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):192–9

Estrogen and progesterone receptors in the organs of prenatal cynomolgus monkey and laboratory mouse. Hochner-Celnikier D, et al. **Biol Reprod** 1986 Oct; 35(3):633–40

Hormonal regulation of estrogen and progestin receptors in decidual cells. Leavitt WW, et al. **Biol Reprod** 1986 Sep; 35(2):475–84

Cell kinetics of histologic variants of in situ breast carcinoma. Meyer JS. **Breast Cancer Res Treat** 1986;7(3):171–80

Adrenal steroids stimulate growth and progesterone receptor levels in rat uterus and DMBA-induced mammary tumors. Spinola PG, et al. **Breast Cancer Res Treat** 1986;8(3):241–8

Role of progesterone receptors in breast cancer. McGuire WL, et al. **CA** 1986 Sep–Oct;36(5):302–9

Pathologic findings from the national surgical adjuvant breast project. Correlations with concordant and discordant estrogen and progesterone receptors. Fisher ER, et al. **Cancer** 1987 May 1;59(9):1554–9

Steroid hormone receptors in carcinoma of the cervix. Hunter RE, et al. **Cancer** 1987 Aug 1;60(3):392–6

Regulation of estrogen and progestin receptor concentrations in an experimental rat prostatic carcinoma by estrogen, antiestrogen, and progesterone. Mobbs BG, et al. **Cancer Res** 1987 May 15;47(10):2645–51

The effect of progesterone on the localization of progesterone receptors in the nuclei of chick oviduct cells. Isola JJ. **Cell Tissue Res** 1987 Aug;249(2):317–23

The distribution of nuclear progesterone receptor in the hypothalamus and forebrain of the domestic hen. Sterling RJ, et al. **Cell Tissue Res** 1987 Apr;248(1):201–5

Steroid receptors in benign breast disease, gross cystic disease and fibroadenoma. Nardelli GB, et al. **Clin Exp Obstet Gynecol** 1987;14(1):10–5

Estrogen- and progesterone-receptors in meningiomas. Review article. Goffin J. **Clin Neurol Neurosurg** 1986; 88(3):169–75 (51 ref.)

Estimation of oestrogen and progesterone receptors in chronic rhinitis. Wilson JA, et al. **Clin Otolaryngol** 1986 Aug;11(4):213–8

Sequence-specific DNA binding of the progesterone receptor to the uteroglobin gene: effects of hormone, antihormone and receptor phosphorylation. Bailly A, et al. **EMBO J** 1986 Dec 1;5(12):3235–41

Inhibition of the binding of R-5020 and rat uterine progesterone receptors by long chain fatty acids. Mitsuhashi N, et al. **Endocrinol Jpn** 1986 Apr;33(2):251–6

Immunohistochemical evidence of progestin target cells in the pituitary gland of ovariectomized rat. Sakabe K, et al. **Endocrinol Jpn** 1986 Dec;33(6):777–85

Rat uterine progesterone receptor analyzed by [3H]R5020 photoaffinity labeling: evidence that the A and B subunits are not equimolar. Ilenchuk TT, et al. **Endocrinology** 1987 Apr;120(4):1449–56

Prolactin mediation of estrogen-induced changes in mammary tissue estrogen and progesterone receptors. Muldoon TG. **Endocrinology** 1987 Jul;121(1):141–9

Nuclear acceptor sites for progesterone-receptor complexes in rat placenta. Ogle TF. **Endocrinology** 1987 Jul; 121(1):28–35

A nuclear binding assay to assess the biological activity of steroid receptors in isolated animal and human tissues. Spelsberg TC, et al. **Endocrinology** 1987 Aug;121(2):631–44

Progesterone receptor activity and the response to the first endocrine therapy in advanced breast cancer. Raemaekers JM, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):443–8

Binding of (3H)R5020 to progesterone receptor and serum contaminants in human endometrium. Barile G, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):237–42

Levels of estrogen and progesterone receptor in human endometrium during the menstrual cycle. Barile G, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug;9(4):243–6

Characterization of the nuclear progesterone receptor in human uterine leiomyoma. Gorodeski IG, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Oct;23(1–2):91–9

Molecular interaction of nonsteroidal compounds with uterine progesterone receptor (Part I). Agnihotri A, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):185–92

Progesterone (P) receptor dynamics in estrogen primed normal human cervix following P injection. Gorodeski IG, et al. **Fertil Steril** 1987 Jan;47(1):108–13

Characterization of nuclear acceptor sites for mammalian progesterone receptor: comparison with the chick oviduct system. Cobb AD, et al. **Gen Comp Endocrinol** 1987 Aug; 67(2):214–20

Progesterone receptors in the oviduct of a viviparous snake (Nerodia): correlations with ovarian function and plasma steroid levels. Kleis-San Francisco SK, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):220–9

Calcium-induced membrane metabolic alterations modify the sex steroids binding into dog brain synaptosomal plasma membranes. Kopeikina-Tsiboukidou L, et al. **Int J Biochem** 1986;18(9):777–84

Androgen, estrogen, and progesterone receptor levels in malignant and benign breast tumors: a multivariate analysis approach. Brentani MM, et al. **Int J Cancer** 1986 Nov 15; 38(5):637–42

Quantification of progesterone binding in mammary tissue of pregnant ewes. Smith JJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1178–85

Reproduction in the vervet monkey (Cercopithecus aethiops): endometrial oestrogen and progestin receptor dynamics during normal and prolonged menstrual cycles. Kudolo GB, et al. **J Endocrinol** 1986 Sep;110(3):429–39

Steroid receptor status difference in recurrent intracranial meningioma and breast cancer in the same patient.

Magdelenat H, et al. **J Neurooncol** 1986;4(2):155-7
Immunoelectron microscopic localization of progesterone receptor in the chick oviduct. Isola J, et al. **J Steroid Biochem** 1987 Jan;26(1):19-23
Autoradiographic localization of glucocorticosteroid and progesterone binding sites in the human post-mortem brain. Sarrieau A, et al. **J Steroid Biochem** 1986 Nov; 25(5B):717-21
Modulation of the progesterone receptor in the fetal uterus of the progesterone-primed guinea pig in vivo and in organ culture. Sumida C, et al. **Life Sci** 1987 Mar 23; 40(12):1185-91
Progesterone receptors in vaginal tissue of post-menopausal women. Batra S, et al. **Maturitas** 1987 Apr;9(1):87-93
Occurrence of a 6S intermediate form of the progesterone receptor that is sensitive to ribonuclease. Lamb DJ, et al. **Mol Cell Biochem** 1987 Jan;73(1):77-84
Characterization of chromatin binding sites for different forms of uterine progesterone receptor. Cobb AD, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):51-61
Characterization of the estrogen-sensitive cells expressing progesterone receptor in the bursa of Fabricius. Ylikomi TJ, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):35-42
Association of DNA-bound progesterone receptors. Théveny B, et al. **Nature** 1987 Sep 3-9;329(6134):79-81
Progestin receptors with and without estrogen induction in male and female hamster brain. Fraile IG, et al. **Neuroendocrinology** 1987 Jun;45(6):487-91
Aromatisation of androstenedione by human breast cancer tissue: correlation with hormone receptor activity and possible biologic significance. Bezwoda WR, et al. **Oncology** 1987;44(1):30-3
Localization of progestin receptors in the islets of Langerhans. Winborn WB, et al. **Pancreas** 1987;2(3):289-94
Glucocorticoid and progesterone receptors in yolk sac placenta. Carbone JP, et al. **Placenta** 1986 Sep-Oct; 7(5):425-41
Tightly bound nuclear progesterone receptor is not phosphorylated in primary chick oviduct cultures. Garcia T, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7573-7
Nuclease resistance and the enrichment of native nuclear acceptor sites for the avian oviduct progesterone receptor. Hora J, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8839-43
Progesterone receptor binding of steroidal and nonsteroidal compounds. Neelima MS, et al. **Prog Drug Res** 1986; 30:151-88 (86 ref.)
Binding of (3H)7 alpha,17 alpha-dimethyl-19-nortestosterone (mibolerone) to progesterone receptors: comparison with binding of (3H)R5020 and (3H)ORG2058. Traish AM, et al. **Steroids** 1986 Feb-Mar;47(2-3):157-73
Steroid receptors in meningiomas [editorial] Challa VR. **Surg Neurol** 1987 Sep;28(3):232
Androgen receptor binding activity in meningiomas. Lesch KP, et al. **Surg Neurol** 1987 Sep;28(3):176-80
Estrogen and progesterone receptors in meningiomas. Maiuri F, et al. **Surg Neurol** 1986 Nov;26(5):435-40
Determination of androgen, progestin and estrogen receptors with two different assays in renal cell carcinoma. Klötzl G, et al. **Urol Int** 1987;42(2):100-4
[Breast cancer. Development of the concentration of hormonal receptors under cytotoxic chemotherapy] Jouve M, et al. **Bull Cancer (Paris)** 1986;73(3):271-8 (Eng. Abstr.) **(Fre)**
[Biochemical analysis of estrogen receptor and progesterone receptor in normal uterus and endometrial carcinoma] Saito N. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20; 63(2):87-101 (Eng. Abstr.) **(Jpn)**
[Status of the estrogen- and progesterone receptor systems of the endometrium in patients with endometriosis treated with danazol] Adamian LV, et al. **Akush Ginekol (Mosk)** 1987 May;(5):51-3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of fetectomy on prostaglandin receptors of the rat myometrium. Lintner F, et al. **Acta Chir Hung** 1986; 27(3):177-84
Steroid receptors and hormone action in the brain. Blaustein JD. **Ann NY Acad Sci** 1986;474:400-14 (61 ref.)
Noradrenergic regulation of progestin receptors: new findings, new questions. Nock B. **Ann NY Acad Sci** 1986; 474:415-22 (52 ref.)
Prognostic importance of progesterone and estrogen receptors in cancer of the uterine cervix. Potish RA, et al. **Cancer** 1986 Oct 15;58(8):1709-13
Steroid receptor-mediated cytotoxicity of an antiestrogen and an antiprogestin in breast cancer cells. Bardon S, et al. **Cancer Res** 1987 Mar 1;47(5):1441-8
Maintenance of progesterone-facilitated sexual behavior in female rats requires continued hypothalamic protein synthesis and nuclear progestin receptor occupation. Brown TJ, et al. **Endocrinology** 1987 Jul;121(1):298-304
Receptor-mediated interrelationships between progesterone and estradiol action on the anterior pituitary-hypothalamic axis of the ovariectomized immature rat. Calderon JJ, et al. **Endocrinology** 1987 Jun;120(6):2428-35
Antagonism of female sexual behavior with intracerebral implants of antiprogestin RU 38486: correlation with binding to neural progestin receptors. Etgen AM, et al. **Endocrinology** 1986 Oct;119(4):1610-7
The prognostic and therapeutic value of steroid hormone receptors in breast cancer. Elias EG. **Md Med J** 1986 Nov; 35(11):949
Role of steroid hormone receptors as prognostic factors in primary breast cancer. McGuire WL, et al. **NCI Monogr** 1986;(1):19-23

RECEPTORS, PROGESTIN see **RECEPTORS, PROGESTERONE**

RECEPTORS, PROLACTIN

ANALYSIS

Prognostic significance of prolactin receptors in human breast cancer. Bonneterre J, et al. **Cancer Res** 1987 Sep 1; 47(17):4724-8
Correlation between prolactin receptors (PRL R), estradiol (ER) and progesterone receptors (PgR) in human breast cancer. Bonneterre J, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1331-6
Radioreceptor and autoradiographic analysis of FSH, hCG and prolactin binding sites in primary to antral hamster follicles during the periovulatory period. Roy SK, et al. **J Reprod Fertil** 1987 Jan;79(1):307-13
The mechanism of hormonal receptor regulation in the rat ovary following administration of gonadotropin and prolactin. Ota H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Mar;39(3):471-8
Micromethod for the determination of free and total prolactin receptors: measurement of receptor levels in normal and malignant mammary and prostate tissues. Ben-David M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8375-9

DRUG EFFECTS

Effect of human chorionic gonadotropin on luteinizing hormone and prolactin binding by testes of bilaterally cryptorchid rats. Grizard G, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):432-9
Induction of prolactin receptors in the liver is more closely related to the growth-promoting than to the lactogenic potency of peptides. Norstedt G, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):350-6
Rat ovarian and adrenal prolactin receptors. Sizes and effects of divalent metal ions. Ohta S, et al. **Endocrinol Jpn** 1986 Apr;33(2):239-49
Comparative study of in vitro and in vivo modulation of lactogenic and somatotropic receptors by native human growth hormone and its modified analog prepared by recombinant deoxyribonucleic acid technology. Ashkenazi A, et al. **Endocrinology** 1987 Jul;121(1):414-9
Effect of oestrogen on prolactin receptors in porcine granulosa cells. Yamoto M, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):45-9
Prolactin-dependent mitogenesis in Nb 2 node lymphoma cells: effects of immunosuppressive cyclopeptides. Russell DH, et al. **J Immunol** 1987 Jan 1;138(1):276-84
Hepatic prolactin binding is rapidly altered by endotoxin in lactating mice. Carr JK, et al. **Life Sci** 1987 Sep 21; 41(12):1507-15

ISOLATION & PURIFICATION

Separation of rabbit mammary-gland prolactin receptors by ion-exchange chromatography, h.p.l.c.-gel filtration and ultracentrifugation. Sakai S, et al. **Biochem J** 1986 Aug 1;237(3):647-53
Purification and characterization of ovarian LH/hCG and prolactin receptors. Dufau ML, et al. **J Recept Res** 1987; 7(1-4):167-93
Partial purification and characterization of bovine mammary gland prolactin receptor. Ashkenazi A, et al. **Mol Cell Endocrinol** 1987 Mar;50(1-2):79-87
Purification of prolactin receptors from sow mammary gland and polyclonal antibody production. Berthon P, et al. **Mol Cell Endocrinol** 1987 May;51(1-2):71-81
Water-soluble prolactin receptors from porcine mammary gland. Berthon P, et al. **Proc Soc Exp Biol Med** 1987 Mar; 184(3):300-6

METABOLISM

Further observations on the autoregulation of the prolactin receptor in rat ventral prostate explants. Rui H, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):426-32
Binding and structural characteristics of a soluble lactogen-binding protein from rabbit mammary-gland cytosol. Ymer SI, et al. **Biochem J** 1986 Aug 1; 237(3):813-20
Increased prolactin binding and morphological changes in the wound epithelium of regenerating limbs of Notophthalmus viridescens. Furlong ST, et al. **Cell Tissue Res** 1987 Aug;249(2):411-9
Modulation of testicular receptors for LH, FSH and prolactin by the administration of ovine prolactin in mature rat. Ota H, et al. **Endocrinol Jpn** 1986 Aug;33(4):469-77
Inhibition of binding of ovine placental lactogen to growth hormone and prolactin receptors by monoclonal antibodies. Chan JS, et al. **Endocrinology** 1986 Dec;119(6):2623-8
Hepatic prolactin receptors in the rat: characterization using monoclonal antireceptor antibodies. Katoh M, et al. **Endocrinology** 1987 Feb;120(2):739-49
Characterization of lactogen receptors in lactogenic hormone-dependent and independent NB2 lymphoma cell lines. Ashkenazi A, et al. **FEBS Lett** 1987 Jan 1;210(1):51-5
Characterization of hepatic lactogen receptor. Subunit composition and hydrodynamic properties. Haldosén LA, et al. **J Biol Chem** 1987 May 25;262(15):7404-11
Methionine oxidation in human growth hormone and human chorionic somatomammotropin. Effects on receptor binding and biological activities. Teh LC, et al. **J Biol Chem** 1987 May 15;262(14):6472-7
Receptors for lactogenic hormones in the ovine corpus luteum. II: Specific inactivation of ovine prolactin. Bramley TA, et al. **J Endocrinol** 1987 Jun;113(3):375-81
Receptors for lactogenic hormones in the ovine corpus luteum. I: A major discrepancy in the specific binding of radiolabelled ovine prolactin and human growth hormone. Bramley TA, et al. **J Endocrinol** 1987 Jun;113(3):365-74
Receptors for lactogenic hormones in the porcine corpus luteum: properties and luteal phase concentrations. Bramley TA, et al. **J Endocrinol** 1987 Jun;113(3):355-64
Characterization of renal prolactin-binding sites of two amphibians (Ambystoma tigrinum and Rana catesbeiana) and a reptile (Pseudemys scripta elegans). Tarpey JF, et al. **J Exp Zool** 1987 Mar;241(3):317-25
Prolactin binding sites in human erythrocytes and lymphocytes. Bellussi G, et al. **Life Sci** 1987 Aug 24; 41(8):951-9
Specific binding sites for prolactin and growth hormone in the adult rabbit lung. Amit T, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):17-24
Effects of cycloheximide during the periovulatory period on ovarian follicular FSH, hCG, and prolactin receptors and on follicular maturation in the hamster. Wang SC, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):55-61
Circadian alterations in prolactin, corticosterone, and thyroid hormone levels and down-regulation of prolactin receptor activity by 2,3,7,8-tetrachlorodibenzo-p-dioxin. Jones MK, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):337-50

PHYSIOLOGY

A unique placental lactogen receptor: implications for fetal growth. Freemark M, et al. **Endocrinology** 1987 May; 120(5):1865-72
A receptor-mediated mechanism for the transport of prolactin from blood to cerebrospinal fluid. Walsh RJ, et al. **Endocrinology** 1987 May;120(5):1846-50
Prolactin and antiprolactin receptor antibody inhibit steroidogenesis by purified rat Leydig cells in culture. Barkey RJ, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1-2):71-80

RECEPTORS, PROSTAGLANDIN

ANALYSIS

Demonstration of specific E-type prostaglandin receptors using enriched preparations of canine parietal cells and [3H]misoprostol free acid. Tsai BS, et al. **Am J Med** 1987 Jul 27;83(1A):9-14
Photoaffinity labelling of a thromboxane A2/prostaglandin H2 antagonist binding site in human platelets. Mais DE, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):128-33
High-affinity binding site for leukotriene C4 in human erythrocytes. Ghiglieri-Bertez C, et al. **Biochim Biophys Acta** 1986 Oct 24;879(1):97-102

ANTAGONISTS & INHIBITORS

Leukotriene antagonists: new antiasthmatic drugs. Barbieri EJ. **Am Fam Physician** 1987 Jul;36(1):204-8
Beneficial actions of thromboxane receptor antagonism in hemorrhagic shock. Bitterman H, et al. **Circ Shock** 1986; 20(1):1-11

BLOOD

Kinetic evidence indicating separate stimulatory and inhibitory prostaglandin receptors on platelet membranes. Ashby B. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):291-300

DEFICIENCY

Reduced prostaglandin E2 (PGE2) receptors on atopic T lymphocytes. Rocklin RE, et al. **Cell Immunol** 1986 Apr 15;99(1):294-9

DRUG EFFECTS

Effects of the thromboxane-receptor antagonist L-636,499 on feline cerebral arteries. Uski TK, et al. **Acta Physiol Scand** 1986 Dec;128(4):605-11
L-649,923, sodium (beta S*, gamma R*-4-(3-(4-acetyl-3-hydroxy-2-propylphenoxy)= propylthio)-gamma-hydroxy -beta-methylbenzenebutanoate. A selective, orally active leukotriene D4 receptor antagonist. Young RN, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1986; 16:37-45
Effect of the specific thromboxane receptor blocking drug AH23848 in patients with angina pectoris. De Bono DP, et al. **Br Heart J** 1986 Dec;56(6):509-17
Prostaglandin endoperoxide analogues which are both thromboxane receptor antagonists and prostacyclin

mimetics. Armstrong RA, et al. **Br J Pharmacol** 1986 Mar; 87(3):543–51

L–649,923, sodium (beta S*, gamma R*)–4–(3–(4–acetyl–3–hydroxy–2–propylphenoxy)–propylthio)–gamma–hydroxy–beta–methylbenzenebutanoate, a selective, orally active leukotriene receptor antagonist. Jones TR, et al. **Can J Physiol Pharmacol** 1986 Aug; 64(8):1068–75

L–648,051, sodium 4–[3–(4–acetyl–3–hydroxy–2–propylphenoxy)–propylsulfonyl]–gamma–oxo–benzenebutanoate: a leukotriene D4 receptor antagonist. Jones TR, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1535–42

Inhibition of cyclic flow variations in stenosed canine coronary arteries by thromboxane A2/prostaglandin H2 receptor antagonists. Ashton JH, et al. **Circ Res** 1986 Nov; 59(5):568–78

Increased platelet thromboxane receptor sensitivity in diabetic patients with proliferative retinopathy. Collier A, et al. **Diabetologia** 1986 Aug;29(8):471–4

The putative prostacyclin receptor antagonist (FCE–22176) is a full agonist on human platelets and NCB–20 cells. Wilkins AJ, et al. **Eur J Pharmacol** 1986 Aug 7; 127(1–2):117–9

Mechanism of antagonism of thromboxane receptors in vascular smooth muscle. Yanagisawa A, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):89–96

A pharmacological approach to thromboxane receptor antagonism. Lefer AM, et al. **Fed Proc** 1987 Jan;46(1):144–8 (40 ref.)

Modulation of receptor mediated leukotriene release in the perfused heart. Lefer AM, et al. **Gen Pharmacol** 1986; 17(4):437–40

Cardioprotective actions of specific thromboxane receptor antagonist in acute myocardial ischemia. Brezinski ME, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):65–71

Determination of a thromboxane A2 receptor antagonist in human plasma by capillary gas chromatography with electron–capture detection. Jemal M, et al. **J Chromatogr** 1986 Sep 5;381(2):424–30

Preparation and biological evaluation of a potential photoaffinity label for the prostaglandin H2/thromboxane A2 receptor. Arora SK, et al. **J Med Chem** 1987 May; 30(5):918–24

(5Z)–7–(2,2–Dimethyl–4–phenyl–1,3–dioxan–cis–5–yl)= heptenoi c acid: a specific thromboxane A2 receptor antagonist. Brewster AG, et al. **J Med Chem** 1987 Jan; 30(1):67–70

Leukotriene receptor antagonists. 2. The [[(tetrazol–5–ylaryl)oxy]methyl]acetophenone derivatives. Dillard RD, et al. **J Med Chem** 1987 May;30(5):911–8

High–affinity leukotriene receptor antagonists. Synthesis and pharmacological characterization of 2–hydroxy–3–[(2–carboxyethyl)thio]–3–[2–(8–phenyloctyl)phenyl] propanoic acid. Gleason JG, et al. **J Med Chem** 1987 Jun;30(6):959–61

Leukotriene receptor antagonists. 1. Synthesis and structure–activity relationships of alkoxyacetophenone derivatives. Marshall WS, et al. **J Med Chem** 1987 Apr; 30(4):682–9

ICI 180080, a novel selective thromboxane receptor antagonist: synthesis and relative activity. Brown GR, et al. **J Pharm Pharmacol** 1986 Sep;38(9):706–8

Pharmacological actions of ICI 180080, a novel thromboxane receptor antagonist. Jessup CL, et al. **J Pharm Pharmacol** 1986 Oct;38(10):754–7

SKF 104353, a high affinity antagonist for human and guinea pig lung leukotriene D4 receptor, blocked phosphatidylinositol metabolism and thromboxane synthesis induced by leukotriene D4. Mong S, et al. **Mol Pharmacol** 1987 Aug;32(1):223–9

S2–serotonergic receptor inhibition (ketanserin), combined with thromboxane A2/prostaglandin endoperoxide receptor blockade (BM 13.177): enhanced anti–platelet effect [letter] De Clerck F. **Thromb Haemost** 1986 Oct 21; 56(2):236

Antagonism of U46619–induced aggregation of human and canine platelets by four TXA2 receptor antagonists. Bush LR, et al. **Thromb Res** 1986 Nov 1;44(3):377–89

ISOLATION & PURIFICATION

Purification and properties of prostaglandin E1/prostacyclin receptor of human blood platelets. Dutta–Roy AK, et al. **J Biol Chem** 1987 Sep 15;262(26):12685–91

METABOLISM

Prostaglandin E1 binding protein on the surface of primary cultured hepatocytes. Okumura T, et al. **Biochem Int** 1987 Mar;14(3):443–9

Decrease in agonist affinity for human platelet thromboxane A2/prostaglandin H2 receptors induced by a platelet–derived supernatant. Dorn GW 2d, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1913–7

(5Z)–carbacyclin discriminates between prostacyclin–receptors coupled to adenylate cyclase in vascular smooth muscle and platelets. Corsini A, et al. **Br J Pharmacol** 1987 Jan;90(1):255–61

Fasting–induced changes in prostaglandin binding in isolated hepatocytes and liver plasma membranes. Garrity MJ, et al. **Endocrinology** 1987 Mar;120(3):1134–9

Binding of a thromboxane A2/prostaglandin H2 receptor antagonist to guinea–pig platelets. Halushka PV, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):49–54

Prostaglandin binding does not require direct cell–cell contact during chick myogenesis in vitro. Hausman RE, et al. **Exp Cell Res** 1987 Feb;168(2):457–62

A photoaffinity label for the thromboxane A2/prostaglandin H2 receptor in human blood platelets. Kattelman EJ, et al. **FEBS Lett** 1987 Mar 9;213(1):179–83

Platelet and vascular smooth muscle thromboxane A2/prostaglandin H2 receptors. Halushka PV, et al. **Fed Proc** 1987 Jan;46(1):149–53 (39 ref.)

Binding of leukotriene C4 by glutathione transferase: a reassessment of biochemical and functional criteria for leukotriene receptors. Sun FF, et al. **Fed Proc** 1987 Jan; 46(1):204–7 (27 ref.)

Covalent cross–linking of prostaglandin E receptor from bovine adrenal medulla with a pertussis toxin–insensitive guanine nucleotide–binding protein. Negishi M, et al. **J Biol Chem** 1987 Sep 5;262(25):12077–84

Identification and characterization of leukotriene D4 receptors and signal transduction processes in rat basophilic leukemia cells. Sarau HM, et al. **J Biol Chem** 1987 Mar 25;262(9):4034–41

Association of a solubilized prostaglandin E2 receptor from renal medulla with a pertussis toxin–reactive guanine nucleotide regulatory protein. Watanabe T, et al. **J Biol Chem** 1986 Oct 15;261(29):13430–7

Inositol 1,4,5–triphosphate–induced granule secretion in platelets. Evidence that the activation of phospholipase C mediated by platelet thromboxane receptors involves a guanine nucleotide binding protein–dependent mechanism distinct from that of thrombin. Brass LF, et al. **J Clin Invest** 1987 Apr;79(4):1269–75

Effect of zinc status on the binding of prostaglandins to ovarian membranes and intact platelets of pregnant rats. Li ET, et al. **J Nutr** 1986 Aug;116(8):1448–55

Leukotriene D4 receptor–mediated synthesis and release of arachidonic acid metabolites in guinea pig lung: induction of thromboxane and prostacyclin biosynthesis by leukotriene D4. Mong S, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):63–70

Effects of chronic exposure to ethanol on the prostaglandin E1 receptor–mediated response and binding in a murine neuroblastoma clone (N1E–115). Richelson E, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):687–92

Binding of a novel prostaglandin F 2 alpha–derivative (ZK 71 677) to pseudopregnant rat ovaries. Brambaifa N. **J Recept Res** 1986;6(3–4):195–207

Identification and characterization of leukotriene C4 and D4 receptors on a cultured smooth muscle cell line, BC3H–1. Tamura N, et al. **Life Sci** 1987 Jul 13;41(2):207–16

The binding of 6–oxo–prostaglandin E1 to platelet prostanoid receptors. Jaschonek K, et al. **Prostaglandins Leukotrienes Med** 1986 Sep;24(1):79–86

Prostaglandin and leukotriene receptors in pulmonary, vascular, and uterine smooth muscle. Wendelberger KJ. **Semin Perinatol** 1987 Jan;11(1):1–11 (111 ref.)

Hemorrhagic thrombocytopathy with platelet thromboxane A2 receptor abnormality: defective signal transduction with normal binding activity. Ushikubi F, et al. **Thromb Haemost** 1987 Apr 7;57(2):158–64

E–type prostaglandin binding sites in isolated canine parietal cells: elucidation with (3H) misoprostol free acid. Tsai BS, et al. **Z Gastroenterol** 1987 Apr;25(4):201–6

[Leukotriene C4 binding sites in the mouse forebrain: autoradiographic demonstration] Goffinet AM. **C R Acad Sci [III]** 1986;302(17):633–6 (Eng. Abstr.) **(Fre)**

[Interactions of thyrotropin and prostaglandins E2 with receptors and their effect on the cAMP levels in human thyroid tissue] Rom–Bugoslovskaia ES, et al. **Probl Endokrinol (Mosk)** 1987 Jan–Feb;33(1):32–5 (Eng. Abstr.) **(Rus)**

[Effect of different doses of ionizing radiation on the binding of prostaglandin E2 in mouse tissues] Prianishnikova EN, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):652–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cultured human vascular smooth muscle cells with functional thromboxane A2 receptors: measurement of U46619–induced 45calcium efflux. Dorn GW 2d, et al. **Circ Res** 1987 Jun;60(6):952–6

Receptor–mediated adenylate cyclase–coupled mechanism for PGE2 inhibition of insulin secretion in HIT cells. Robertson RP, et al. **Diabetes** 1987 Sep;36(9):1047–53

Muscarinic cholinergic receptor–induced enhancement of PGE1–stimulated cAMP accumulation in neuroblastoma X glioma cells: prevention by pertussis toxin. Thomas JM, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):317–25

Leukotriene–induced hydrolysis of inositol lipids in guinea pig lung: mechanism of signal transduction for leukotriene–D4 receptors. Mong S, et al. **Mol Pharmacol** 1987 Jan;31(1):35–41

The single prostacyclin receptor of gel–filtered platelets provides a correlation with antiaggregatory potency of PGI2 mimics. Eggerman TL, et al. **Thromb Res** 1987 Mar 1;45(5):645–59

RECEPTORS, PURINERGIC

ANALYSIS

The glycoprotein nature of A1 adenosine receptors. Klotz KN, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):406–13

Characterization, distribution, and ontogenesis of adenosine binding sites in cat visual cortex. Shaw C, et al. **J Neurosci** 1986 Nov;6(11):3218–28

[Preliminary research on the presence of purinergic fibers in the lung, heart and brain] Dobrescu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):499–501 (Eng. Abstr.) **(Rum)**

CLASSIFICATION

P2–purinoceptors of two subtypes in the rabbit mesenteric artery: reactive blue 2 selectively inhibits responses mediated via the P2y–but not the P2x–purinoceptor. Burnstock G, et al. **Br J Pharmacol** 1987 Feb;90(2):383–91

DRUG EFFECTS

Effects of N–ethylmaleimide and forskolin on noradrenaline release from rat hippocampal slices. Evidence that prejunctional adenosine and alpha–receptors are linked to N–proteins but not to adenylate cyclase. Fredholm BB, et al. **Acta Physiol Scand** 1987 May;130(1):95–105

Microcalorimetric studies on the effect of adenosine receptor agonists and xanthine derivatives on overall metabolism in human platelets. Edvinsson L, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):685–9

Pharmacological effects of isopolar phosphonate analogues of ATP on P2–purinoceptors in guinea–pig taenia coli and urinary bladder. Cusack NJ, et al. **Br J Pharmacol** 1987 Apr;90(4):791–5

Characterization of adenosine receptors in isolated cerebral arteries of cat. Edvinsson L, et al. **Br J Pharmacol** 1983 Dec;80(4):631–7

Inhibition by xanthine derivatives of adenosine receptor–stimulated cyclic adenosine 3',5'–monophosphate accumulation in rat and guinea–pig thymocytes. Fredholm BB, et al. **Br J Pharmacol** 1983 Dec;80(4):639–44

The effect of reserpine on sympathetic, purinergic neurotransmission in the isolated mesenteric artery of the dog: a pharmacological study. Muramatsu I. **Br J Pharmacol** 1987 Jul;91(3):467–74

Effect of raised portal venous pressure and postocclusive hyperemia on superior mesenteric arterial resistance in control and adenosine receptor blocked state in cats. Lautt WW. **Can J Physiol Pharmacol** 1986 Oct;64(10):1296–301

Cyclic nucleotide action is mediated through adenosine receptors in damselfish motile iridophores. Oshima N, et al. **Comp Biochem Physiol [C]** 1986;85(1):89–93

Chronic administration of theophylline to rats induces a post–insulin binding defect in adipocyte glucose transport. Green A. **Diabetologia** 1987 Mar;30(3):188–92

Adenosine antagonist properties of carbamazepine. Marangos PJ, et al. **Epilepsia** 1987 Jul–Aug;28(4):387–94

ATP mediates coronary vasoconstriction via P2x–purinoceptors and coronary vasodilatation via P2y–purinoceptors in the isolated perfused rat heart. Hopwood AM, et al. **Eur J Pharmacol** 1987 Apr 7; 136(1):49–54

An electrophysiological analysis of the effect of reactive blue 2, a putative P2–purinoceptor antagonist, on inhibitory junction potentials of rat caecum. Manzini S, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):197–204

An assessment of the antagonistic activity of reactive blue 2 at P1– and P2–purinoceptors: supporting evidence for purinergic innervation of the rabbit portal vein. Reilly WM, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):47–53

ATP analogues and the guinea–pig taenia coli: a comparison of the structure–activity relationships of ectonucleotidases with those of the P2–purinoceptor. Welford LA, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):217–24

Activation of protein kinase C inhibits prostaglandin– and potentiates adenosine receptor–stimulated accumulation of cyclic AMP in a human T–cell leukemia line. Nordstedt C, et al. **FEBS Lett** 1987 Aug 10;220(1):57–60

N6–substituted 9–methyladenines: a new class of adenosine receptor antagonists. Ukena D, et al. **FEBS Lett** 1987 May 11;215(2):203–8

Evidence that a novel 8–phenyl–substituted xanthine derivative is a cardioselective adenosine receptor antagonist in vivo. Fredholm BB, et al. **J Cardiovasc Pharmacol** 1987 Apr;9(4):396–400

A comparison between the adenosine receptors mediating adenylate cyclase inhibition and cardiac depression in the guinea pig heart. Leung E, et al. **J Cardiovasc Pharmacol** 1986 Sep–Oct;8(5):1003–8

Methylxanthine bronchodilators potentiate multiple human neutrophil functions. Schmeichel CJ, et al. **J Immunol** 1987 Mar 15;138(6):1896–903

The effects of adenosine agonists on human neutrophil function. Schrier DJ, et al. **J Immunol** 1986 Nov 15; 137(10):3284–9

Synthesis and structure–activity relationships of pyrazolo[4,3–d]pyrimidin–7–ones as adenosine receptor antagonists. Hamilton HW, et al. **J Med Chem** 1987 Jan; 30(1):91–6

Xanthine functionalized congeners as potent ligands at

A2-adenosine receptors. Jacobson KA, et al. **J Med Chem** 1987 Jan;30(1):211-4

Antagonism of the cardiovascular effects of adenosine by caffeine or 8-(p-sulfophenyl)theophylline. Evoniuk G, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):428-32

Pertussis toxin reverses adenosine receptor-mediated inhibition of renin secretion in rat renal cortical slices. Rossi NF, et al. **Life Sci** 1987 Feb 2;40(5):481-7

Potent adenosine receptor antagonists that are selective for the A1 receptor subtype. Martinson EA, et al. **Mol Pharmacol** 1987 Mar;31(3):247-52

Potency of N6-modified N-alkyl adenosine-5'-uronamides at presynaptic adenosine receptors in guinea-pig ileum. Paton DM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):301-4

1-Methylinoguanosine: interaction with central adenosine receptors and lack of antagonism of its in vivo effects by a benzodiazepine antagonist. Davies LP, et al. **Neuropharmacology** 1987 May;26(5):493-7

Differential antagonism of the behavioral depressant and hypothermic effects of 5'-(N-ethylcarboxamide) adenosine by theobromine. Carney JM, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):769-73

Inhibition of gastric acid secretion by adenosine receptor stimulation in the rat. Scarpignato C, et al. **Pharmacology** 1987;34(5):264-8

Interaction of carbamazepine and other drugs with adenosine (A1 and A2) receptors. Fujiwara Y, et al. **Psychopharmacology (Berlin)** 1986;90(3):332-5

[The pharmacology of purine receptors] Sergeev PV, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):115-23 (76 ref.) **(Rus)**

[Biochemico-pharmacological mechanisms and the relation between the anticalorigenic, hypothermic and antihypoxic effects of adenosine] Kulinskii VI, et al. **Vopr Med Khim** 1987 May-Jun;33(3):107-12 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Effect of adenosine on atrioventricular conduction. II: Modulation of atrioventricular node transmission by adenosine in hypoxic isolated guinea pig hearts. Clemo HF, et al. **Circ Res** 1986 Oct;59(4):437-46

Effect of adenosine on atrioventricular conduction. I: Site and characterization of adenosine action in the guinea pig atrioventricular node. Clemo HF, et al. **Circ Res** 1986 Oct; 59(4):427-36

Separation of the 100-kDa membrane protein mediating ADP-induced platelet shape change and activation from glycoprotein IIIa. Colman RW, et al. **Trans Assoc Am Physicians** 1986;99:39-45

METABOLISM

Evidence for a membrane adenosine receptor in Leishmania mexicana mexicana (WR 227). Hansen BD, et al. **Adv Exp Med Biol** 1986;195 Pt B:547-51

Characteristics of high affinity and low affinity adenosine binding sites in human cerebral cortex. John D, et al. **Adv Exp Med Biol** 1986;195 Pt B:57-69

Rat cardiac myocyte adenosine transport and metabolism. Ford DA, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H54-63

The adenosine receptor mediated accumulation of cyclic AMP in Jurkat cells is enhanced by a lectin and by phorbol esters. Fredholm BB, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):344-9

Characterization of the liver P2-purinoceptor involved in the activation of glycogen phosphorylase. Keppens S, et al. **Biochem J** 1986 Dec 1;240(2):367-71

Short-term hyperthyroidism modulates adenosine receptors and catalytic activity of adenylate cyclase in adipocytes. Rapiejko PJ, et al. **Biochem J** 1987 Feb 1;241(3):765-71

Inhibition of radioligand binding to A1 adenosine receptors by Bay K8644 and nifedipine. Cheung WT, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2183-6

Molecular probes for extracellular adenosine receptors. Jacobson KA, et al. **Biochem Pharmacol** 1987 May 15; 36(10):1697-707

Chronic exposure to subcutaneously implanted methylxanthines. Differential elevation of A1-adenosine receptors in mouse cerebellar and cerebral cortical membranes. Zielke CL, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2533-8

Localization of adenosine receptors in rat testicular cells. Monaco L, et al. **Biol Reprod** 1986 Sep;35(2):258-66

Rapid down regulation of hippocampal adenosine receptors following brief anoxia. Lee KS, et al. **Brain Res** 1986 Aug 13;380(1):155-8

Quantitative autoradiographic analysis of muscarinic cholinergic and adenosine A1 binding sites after transient forebrain ischemia in the gerbil. Onodera H, et al. **Brain Res** 1987 Jul 14;415(2):309-22

Effect of temperature on atrial and ventricular adenosine A1 receptors of the guinea pig. Leung E, et al. **Can J Physiol Pharmacol** 1986 Dec;64(12):1497-502

Adenosine receptors in post-mortem human cerebral cortex and the effect of carbamazepine. Dodd PR, et al. **Clin Exp Pharmacol Physiol** 1986 Oct;13(10):711-22

Engagement of adenosine receptors inhibits hydrogen peroxide (H_2O_2) release by activated human neutrophils. Cronstein BN, et al. **Clin Immunol Immunopathol** 1987 Jan; 42(1):76-85

Stress and caffeine: effects on central adenosine receptors. Boulenger JP, et al. **Clin Neuropharmacol** 1986;9(1):79-83

The rat testicular A1 adenosine receptor-adenylate cyclase system. Stiles GL, et al. **Endocrinology** 1986 Oct; 119(4):1845-51

Increased responsiveness to stimulation of alpha- but not beta-adrenoceptors in the hereditary cardiomyopathy of the Syrian hamster. Intact adenosine- and cholinoceptor-mediated isoprenaline antagonistic effect. Böhm M, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):195-203

Stimulation of adenylate cyclase activity via A2-adenosine receptors in isolated tubules of the rabbit renal cortex. Freissmuth M, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):137-40

Evidence for an inhibitory A1 subtype adenosine receptor on pancreatic insulin-secreting cells. Hillaire-Buys D, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):109-12

Pharmacological effects of L-AMP-PCP on ATP receptors in smooth muscle. Hourani SM, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):99-103

Characteristics of the P2 purinoceptor that mediates prostacyclin production by pig aortic endothelial cells. Needham L, et al. **Eur J Pharmacol** 1987 Feb 10; 134(2):199-209

Visualization of adenosine A1 receptors in the human and the guinea-pig kidney. Palacios JM, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):273-6

Ethanol alters the adenosine receptor-Ni-mediated adenylate cyclase inhibitory response in rat brain cortex in vitro. Bauché F, et al. **FEBS Lett** 1987 Jul 27;219(2):296-300

Photochemical cross-linking of 125I-hydroxyphenylisopropyl adenosine to the A1 adenosine receptor of rat adipocytes. Green A, et al. **FEBS Lett** 1986 Sep 29;206(1):130-4

Species differences in structure-activity relationships of adenosine agonists and xanthine antagonists at brain A1 adenosine receptors. Ukena D, et al. **FEBS Lett** 1986 Dec 1;209(1):122-8

ATP hyposecretion from platelet dense bodies—evidence for the purinergic hypothesis and a marker of migraine. Joseph R, et al. **Headache** 1986 Sep;26(8):403-10

A technique for the electron microscopic autoradiography of A1 adenosine receptors in brain tissue. Ligand-receptor fixation by osmium tetroxide. Tetzlaff W, et al. **Histochemistry** 1986;85(4):295-300

Heterologous desensitization of the inhibitory A1 adenosine receptor-adenylate cyclase system in rat adipocytes. Regulation of both Ns and Ni. Parsons WJ, et al. **J Biol Chem** 1987 Jan 15;262(2):841-7

A1 and A2 adenosine receptors in rabbit cortical collecting tubule cells. Modulation of hormone-stimulated cAMP. Arend LJ, et al. **J Clin Invest** 1987 Mar;79(3):710-4

Comparison of the binding properties of A1 adenosine receptors in brain membranes of two congeneric marine fishes living at different depths. Murray TF, et al. **J Comp Physiol [B]** 1987;157(3):267-77

Analogues of caffeine and theophylline: effect of structural alterations on affinity at adenosine receptors. Daly JW, et al. **J Med Chem** 1986 Jul;29(7):1305-8

Binary drugs: conjugates of purines and a peptide that bind to both adenosine and substance P receptors. Jacobson KA, et al. **J Med Chem** 1987 Aug;30(8):1529-32

N6-phenyladenosines: pronounced effect of phenyl substituents on affinity for A2 adenosine receptors. Kwatra MM, et al. **J Med Chem** 1987 May;30(5):954-6

Affinity labeling of adenosine A1 binding sites. Martini C, et al. **J Neurochem** 1987 Sep;49(3):681-4

Ontogenetic profile of the adenosine uptake sites in rat forebrain. Morgan PF, et al. **J Neurochem** 1987 Sep; 49(3):852-5

Characterization of adenosine receptors in the PC12 pheochromocytoma cell line using radioligand binding: evidence for A-2 selectivity. Williams M, et al. **J Neurochem** 1987 Feb;48(2):498-502

The adenosine receptor antagonist, 8-phenyltheophylline, causes diuresis and saliuresis in the rat. Collis MG, et al. **J Pharm Pharmacol** 1986 Nov;38(11):850-2

Antagonism of the effects of adenosine and hypoxia on atrioventricular conduction time by two novel alkylxanthines: correlation with binding to adenosine A1 receptors. Clemo HF, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):478-84

Functional evidence for adenosine A2 receptor regulation of phosphatidylcholine secretion in cultured type II pneumocytes. Gilfillan AM, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):907-14

Suppression of free fatty acids and triglycerides in normal and hypertriglyceridemic rats by the adenosine receptor agonist phenylisopropyladenosine. Hoffman BB, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):715-8

Different P2-purinergic receptor subtypes of endothelium and smooth muscle in canine blood vessels. Houston DA, et al. **J Pharmacol Exp Ther** 1987 May;241(2):501-6

Two saturable recognition sites for (-) [125I]iodo-N6-(4-hydroxyphenyl-isopropyl)-adenosine binding on purified cardiac sarcolemma. Hausleithner V, et al. **J Recept Res** 1986;6(3-4):311-21

Evidence for A1 and A2 adenosine receptors in guinea pig trachea. Ghai G, et al. **Life Sci** 1987 Sep 7;41(10):1215-24

PD 116,948, a highly selective A1 adenosine receptor antagonist. Haleen SJ, et al. **Life Sci** 1987 Feb 9; 40(6):555-61

Measurement of a receptor for (2'-5')-oligoadenylate(trimer) on macrophages. Liu XY, et al. **Methods Enzymol** 1986; 119:351-6

Agonist photoaffinity labeling of A1 adenosine receptors: persistent activation reveals spare receptors. Lohse MJ, et al. **Mol Pharmacol** 1986 Oct;30(4):403-9

A new high affinity, iodinated adenosine receptor antagonist as a radioligand/photoaffinity crosslinking probe. Stiles GL, et al. **Mol Pharmacol** 1987 Aug;32(1):184-8

PD 115,199: an antagonist ligand for adenosine A2 receptors. Bruns RF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan;335(1):64-9

Quantitative [3H]dipyridamole autoradiography: evidence for adenosine transporter heterogeneity in guinea pig brain. Deckert J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun;335(6):660-6

Functional evidence for the presence of adenosine A2-receptors in cultured coronary endothelial cells. Des Rosiers C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul;336(1):94-8

Glomeruli and microvessels of the rabbit kidney contain both A1- and A2-adenosine receptors. Freissmuth M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):438-44

Nature of the N6 region of the adenosine receptor in guinea-pig ileum and rat vas deferens. Paton DM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):313-22

Synaptic and extrasynaptic localization of adenosine binding sites in the rat hippocampus. Tetzlaff W, et al. **Neuroscience** 1987 Jun;21(3):869-75

Endogenous adenosine and adenosine receptors localized to ganglion cells of the retina. Braas KM, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3906-10

Basal and adenosine receptor-stimulated levels of cAMP are reduced in lymphocytes from alcoholic patients. Diamond I, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1413-6

Adenosine triphosphate stimulates inositol phospholipid metabolism and prostacyclin formation in adrenal medullary endothelial cells by means of P2-purinergic receptors. Forsberg EJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5630-4

Phylogenetic distribution of A1 adenosine receptors in nervous tissue. Murray TF, et al. **Proc West Pharmacol Soc** 1986;29:49

Adenosine receptors in bovine and rat cortex. Saponja R, et al. **Proc West Pharmacol Soc** 1987;30:269-72

Adenosine receptors: development of selective agonists and antagonists. Daly JW, et al. **Prog Clin Biol Res** 1987; 230:41-63

[Carrier-bound measurement of serum theophylline levels in children] Küster M, et al. **Klin Padiatr** 1987 Mar-Apr; 199(2):108-10 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Adenosine receptors on human T lymphocytes and human thymocytes. Dinjens WN, et al. **Adv Exp Med Biol** 1986; 195 Pt B:1-6

Adenosine receptors on human lymphocytes. Marone G, et al. **Adv Exp Med Biol** 1986;195 Pt B:7-14

Adenosine receptors on human basophils and lung mast cells. Marone G, et al. **Adv Exp Med Biol** 1986;195 Pt B:35-42

Suppression by 5'-methylthioadenosine of histamine or leukotriene-induced contraction in isolated guinea pig tracheal rings. Nishida Y, et al. **Adv Exp Med Biol** 1986; 195 Pt B:29-33

Purine metabolism by guinea-pig ileum. Webster DR, et al. **Adv Exp Med Biol** 1986;195 Pt B:19-28

Endogenous adenosine-receptive systems do not mediate the discriminative stimulus properties of ethanol. Michaelis RC, et al. **Alcohol Drug Res** 1987;7(3):175-85

Effects of aminophylline on behaviorally induced coronary blood flow increases. Billman GE. **Am J Physiol** 1987 Sep; 253(3 Pt 2):H548-55

Purine receptors in mammalian tissues: pharmacology and functional significance. Williams M. **Annu Rev Pharmacol Toxicol** 1987;27:315-45 (238 ref.)

The adenosine receptor-mediated inhibition of noradrenaline release possibly involves an N-protein and is increased by alpha 2-autoreceptor blockade. Allgaier C, et al. **Br J Pharmacol** 1987 Feb;90(2):403-12

A pharmacological study of the rabbit saphenous artery in vitro: a vessel with a large purinergic contractile response to sympathetic nerve stimulation. Burnstock G, et al. **Br J Pharmacol** 1987 Jan;90(1):111-20

Adenosine inhibits and potentiates IgE-dependent histamine release from human basophils by an A2-receptor mediated mechanism. Church MK, et al. **Br J Pharmacol** 1983 Dec; 80(4):719-26

Purinoceptors in the rat heart. Fleetwood G, et al. **Br J Pharmacol** 1987 Jan;90(1):219-27

Studies on the adenosine-receptor mediating the augmentation of histamine-induced inositol phospholipid hydrolysis in guinea-pig cerebral cortex. Hill SJ, et al. **Br J Pharmacol** 1987 Jul;91(3):661-9

An in vitro analysis of purine-mediated renal vasoconstriction in rat isolated kidney. Kenakin TP, et al. **Br J Pharmacol** 1987 Feb;90(2):373-81

P2-purinoceptors regulate surfactant secretion from rat isolated alveolar type II cells. Rice WR, et al. **Br J Pharmacol** 1986 Nov;89(3):485-91

Definition of subclasses of adenosine receptors associated with adenylate cyclase: interaction of adenosine analogs with inhibitory A1 receptors and stimulatory A2 receptors. Ukena D, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):365–76

Adenosine receptors mediate pigment dispersion in leucophores of the medaka, Oryzias latipes. Oshima N, et al. **Comp Biochem Physiol [C]** 1986;85(1):245–8

Adenosine receptor agonists inhibit inositol phosphate accumulation in rat striatal slices. Petcoff DW, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):269–71

Experimental documentation of presence of purinergic receptors at human atria. Marmo E, et al. **Int J Tissue React** 1986;8(5):411–9

Evidence for two different stimulatory adenylate cyclase coupling mechanisms in rat renal papilla. Woodcock EA. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):301–16

Pentobarbital antagonizes the A1 adenosine receptor–mediated inhibition of hippocampal neurotransmitter release. Lohse MJ, et al. **J Neurochem** 1987 Jul;49(1):189–94

Adenosine A1 receptor–mediated inhibition of adenylate cyclase in rabbit retina. Blazynski C. **J Neurosci** 1987 Aug; 7(8):2522–8

Behavioral effects of adenosine analogs in squirrel monkeys: relation to adenosine A2 receptors. Spealman RD, et al. **Psychopharmacology (Berlin)** 1986;90(3):419–21

[Hypothesis of the purinergic nerve] Bai XN, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):205–9 (42 ref.) **(Chi)**

[Heterogeneity of purinergic P2 receptors at the level of the caudal artery of the rat and the saphenous vein of the dog] Saiag B, et al. **C R Soc Biol (Paris)** 1987;181(2):168–77 (Eng. Abstr.) **(Fre)**

RECEPTORS, SENSORY

[Morphologic differences in the cutaneous receptors of low– and high–excitability lines of rats] Vshivtseva VV, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):33–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

The subunits of specific odor–binding glycoproteins from rat olfactory epithelium. Fesenko EE, et al. **FEBS Lett** 1987 Jul 13;219(1):224–6

ANATOMY & HISTOLOGY

The sensory projections of Drosophila mutants which show abnormal wing formation or flying behavior. Inestrosa NC, et al. **Brain Res** 1987 Jul 28;416(2):248–56

Chemoarchitectonics of the brainstem in infrared sensitive and nonsensitive snakes. Kusunoki T, et al. **J Hirnforsch** 1987;28(1):27–43

Morphology, distribution, and density of sensory receptors in the glabrous skin of the cat rhinarium. Abrahams VC, et al. **J Morphol** 1987 Feb;191(2):109–14

Organization of the ampullary organs of the African knife fish Xenomystus nigri (Teleostei: Notopteridae). Jørgensen JM, et al. **J Neurocytol** 1987 Jun;16(3):311–5

An autoradiographic study of the distribution of sensory nerve endings in the knee joint of the rat. Kanatani Y, et al. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec; 60(12):1283–92

Reinnervation of experimental superficial wounds in rats. Aldskogius H, et al. **Plast Reconstr Surg** 1987 Apr; 79(4):595–9

Sensory innervation of gingival and alveolar mucosa of the house musk shrew (Suncus murinus). Yamamoto T, et al. **Tohoku J Exp Med** 1986 Nov;150(3):327–36

[Parallel pathways in the somatosensory system] Itoh K. **No To Shinkei** 1986 Sep;38(9):819–34 (145 ref.) **(Jpn)**

BLOOD SUPPLY

The topography of capillaries in two different types of sensory nerve endings and some ultrastructural features of their wall. Dubový P, et al. **Z Mikrosk Anat Forsch** 1986; 100(4):577–87

CYTOLOGY

Monoclonal antibodies (2C5 and 4C9) against lactoseries carbohydrates identify subsets of olfactory and vomeronasal receptor cells and their axons in the rabbit. Mori K. **Brain Res** 1987 Apr 7;408(1–2):215–21

Lamellar cells of sensory receptors and perineural cells of nerve endings of pig skin contain cytokeratins. Ortonne JP, et al. **Virchows Arch [A]** 1987;410(6):547–52

DRUG EFFECTS

Sensory irritation and pulmonary irritation of cumene and n–propanol: mechanisms of receptor activation and desensitization. Kristiansen U, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Jul;59(1):60–72

Sensory and pulmonary irritation of methyl isocyanate in mice and pulmonary irritation and possible cyanidelike effects of methyl isocyanate in guinea pigs. Alarie Y, et al. **Environ Health Perspect** 1987 Jun;72:159–67

Effect of menthol on cold receptor activity. Analysis of receptor processes. Schäfer K, et al. **J Gen Physiol** 1986 Dec;88(6):757–76

Comparison of the butyrate effects on neurotransmitter receptors in neurohybrids NG108–15 and NCB–20 cells. Zhu XZ, et al. **Life Sci** 1987 Aug 31;41(9):1133–9

[Halothane and increased discharge of the muscle spindle induced by succinylcholine] Maruyama H, et al. **Masui** 1986 Dec;35(12):1879–83 (Eng. Abstr.) **(Jpn)**

[Analysis of the effect of glutamic acid diethyl ester on synaptic processes in the ampullae of Lorenzini of the skate] Akoev GN, et al. **Neirofiziologiia** 1987;19(3):323–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Vasodilatory effects and coexistence of calcitonin gene–related peptide (CGRP) and substance P in sensory nerves of cat dental pulp. Gazelius B, et al. **Acta Physiol Scand** 1987 May;130(1):33–40

Interaction of GTP–binding regulatory proteins with chemosensory receptors. Bruch RC, et al. **J Biol Chem** 1987 Feb 15;262(5):2401–4

The odorant–sensitive adenylate cyclase of olfactory receptor cells. Differential stimulation by distinct classes of odorants. Sklar PB, et al. **J Biol Chem** 1986 Nov 25;261(33):15538–43

Neurobiology. Questions of taste and smell [news] Shepherd GM, et al. **Nature** 1986 Nov 6–12;324(6092):17–8

Consequences of detailed balance in a model for sensory adaptation based on ligand–induced receptor modification. Walz D, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6152–6

PATHOLOGY

Cardiac amyloidosis involving the conduction system and the aortocoronary neuroreceptors. Clinicopathologic correlates. Volpi A, et al. **Chest** 1986 Oct;90(4):619–21

[Receptor epithelium of the vestibular apparatus and cochlea in exposure to acceleration and noise] Anichin VF. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):48–53 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Experimental studies on nasal sensation of airflow. Eccles R, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr; 103(3–4):303–6

Age–related responses to stimulation of cardiopulmonary receptors in swine. Gootman PM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H748–55

Primary resetting of left atrial sensory endings in Dahl salt–sensitive rats fed a low–salt diet. Thoren P, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H133–7

Physical limits to sensation and perception. Bialek W. **Annu Rev Biophys Biophys Chem** 1987;16:455–78 (135 ref.)

A microprocessor system for the digital synthesis of pulsed and continuous discharges of electric fish (or animal vocalizations). Kramer B, et al. **Behav Brain Res** 1987 Feb; 23(2):167–74

Effect of variation of the composition of CSF in the rat upon drinking of water and hypertonic NaCl solutions. Osborne PG, et al. **Behav Neurosci** 1987 Jun;101(3):371–7

Response of sensory receptors of the cat's hindlimb to a transient, step–function DC electric field. Kato M, et al. **Bioelectromagnetics** 1986;7(4):395–404

The effect of mechanical stimulation of knee joint afferents on quadriceps motor unit activity in the decerebrate cat. Baxendale RH, et al. **Brain Res** 1987 Jul 14;415(2):353–6

Biochemical studies of taste sensation. XIII. Enantiomeric specificity of alanine taste receptor sites in catfish, Ictalurus punctatus. Brand JG, et al. **Brain Res** 1987 Jul 21; 416(1):119–28

Comparative study of immature and mature olfactory receptor cells in adult frogs. Lidow MS, et al. **Brain Res** 1987 Feb;428(2):243–58

The motor program and role of sensory feedback in claw extension of the crayfish. Notvest RR, et al. **Brain Res** 1986 Aug 20;380(2):235–43

Electrophysiological recordings from olfactory receptor cells in adult mice. Sicard G. **Brain Res** 1986 Nov 12; 397(2):405–8

Response to an itch–producing substance in cat. II. Cutaneous receptor populations with unmyelinated axons. Tuckett RP, et al. **Brain Res** 1987 Jun 9;413(1):95–103

Response to an itch–producing substance in cat. I. Cutaneous receptor populations with myelinated axons. Tuckett RP, et al. **Brain Res** 1987 Jun 9;413(1):87–94

Experimental studies on the sensory innervation of the cerebral blood vessels. Moskowitz MA, et al. **Cephalalgia** 1986;6 Suppl 4:63–6

Afferent fiber innervation on acupuncture points and its role in acupuncture analgesia. Lü GW. **Chen Tzu Yen Chiu** 1987; 12(1):1–32 (93 ref.)

Mutant sensory cilia in the nematode Caenorhabditis elegans. Perkins LA, et al. **Dev Biol** 1986 Oct;117(2):456–87

Sensory input to single neurons in the amygdala of the cat. Schütze I, et al. **Exp Neurol** 1987 Sep;97(3):499–515

Maximum likelihood identification of a posture control system. Ishida A, et al. **IEEE Trans Biomed Eng** 1987 Jan; 34(1):1–5

Influence of upper airway sensory receptors on respiratory muscle activation in humans. Redline S, et al. **J Appl Physiol** 1987 Jul;63(1):368–74

Vagal receptors sensitive to lipids in the small intestine of the cat. Mélone J. **J Auton Nerv Syst** 1986 Nov; 17(3):231–41

Concerning strategies for in vivo measurement of receptor binding using positron emission tomography. Zeeberg BR, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):252–5

Cold water stimulation of oropharyngeal receptors in man inhibits release of vasopressin. Salata RA, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):561–7

Evidence for a viscerotopic sensory representation in the cortex and thalamus in the rat. Cechetto DF, et al. **J Comp Neurol** 1987 Aug 1;262(1):27–45

Intracellular recording in the medullary pacemaker nucleus of the weakly electric fish, Apteronotus, during modulatory behaviors. Dye J, et al. **J Comp Physiol [A]** 1987 Aug; 161(2):187–200

Dynamics and stimulus–dependence of pacemaker control during behavioral modulations in the weakly electric fish, Apteronotus. Dye J. **J Comp Physiol [A]** 1987 Aug; 161(2):175–85

Chemosensory stimuli in feeding behavior of the leech Hirudo medicinalis. Elliott EJ. **J Comp Physiol [A]** 1986 Sep;159(3):391–401

Parallel effects of joint receptors on motor neurones and intersegmental interneurones in the locust. Laurent G. **J Comp Physiol [A]** 1987 Mar;160(3):341–53

A strand receptor with a central cell body synapses upon spiking local interneurones in the locust. Pflüger HJ, et al. **J Comp Physiol [A]** 1987 Mar;160(3):295–304

Electric fish approach stationary signal sources by following electric current lines. Schluger JH, et al. **J Exp Biol** 1987 Jul;130:359–67

Response properties of polymodal receptors studied using in vitro testis superior spermatic nerve preparations of dogs. Kumazawa T, et al. **J Neurophysiol** 1987 Mar;57(3):702–11

A microcomputer–controlled response measurement and analysis system for insect olfactory receptor neurons. Mankin RW, et al. **J Neurosci Methods** 1987 Aug; 20(4):307–22

A mechanism for exact sensory adaptation based on receptor modification. Segel LA, et al. **J Theor Biol** 1986 May 21; 120(2):151–79

Measurement of trigonal sensitivity as a test of bladder function. Klein LA. **J Urol** 1987 Feb;137(2):245–8

Electroreceptors in the platypus [published erratum appears in Nature 1987 Jun 25–Jul 1;327(6124):732] Gregory JE, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):386–7

Embryonic development of the vertebrate gravity receptors. Neubert J, et al. **Naturwissenschaften** 1986 Jul;73(7):428–30

The optic tectum of the gymnotiform electric fish, Eigenmannia: labeling of physiologically identified cells. Heiligenberg W, et al. **Neuroscience** 1987 Jul;22(1):331–40

Preparation of isolated mouse olfactory receptor neurons. Maue RA, et al. **Pflugers Arch** 1987 Jul;409(3):244–50

Brainstem integration of cardiovascular and pulmonary afferent activity. Jordan D, et al. **Prog Brain Res** 1986; 67:295–314

Sensory innervation of reproductive organs. Kumazawa T. **Prog Brain Res** 1986;67:115–31

The visceral sensations—some basic mechanisms. Paintal AS. **Prog Brain Res** 1986;67:3–19

Sensory innervation of the lungs and airways. Widdicombe JG. **Prog Brain Res** 1986;67:49–64

[The cephalic phase of insulin secretion in man] Bellisle F. **Diabete Metab** 1987 Apr;13(2):144–51 (Eng. Abstr.) **(Fre)**

[Function of the lower urinary tract. 6th report on standardizing terminology. Neurophysiologic studies. Electromyography, nerve conduction velocity, reflex latency, evoked potentials and sensitivity testing] Jonas U, et al. **Z Urol Nephrol** 1987 Feb;80(2):111–6 **(Ger)**

[Interaction of upper airway reflexes and the chemical respiratory control system] Nishino T. **Kokyu To Junkan** 1987 May;35(5):501–8 **(Jpn)**

[Cardiovascular and respiratory reflexes resulting from capsaicin–stimulated renal afferent receptors in dogs] Ohba H, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1171–7 (Eng. Abstr.) **(Jpn)**

[Tissue receptor reaction to transient anoxia in the absence of glucose] Lukashin VG, et al. **Arkh Anat Gistol Embriol** 1986 Sep;91(9):34–8 (Eng. Abstr.) **(Rus)**

[Current problems of interoreception] Akoev GN. **Fiziol Zh SSSR** 1987 Feb;73(2):230–5 **(Rus)**

[Biological space (the internal environment), body time and ways of perceiving them] Kulaev BS. **Fiziol Zh SSSR** 1987 Feb;73(2):254–9 **(Rus)**

[Heterogeneity of the morpho–functional organization of bushy interoceptors as one of the factors of their resistance] Malorov VN, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):323–31 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Cardiac sensory receptors in Dahl salt–resistant and salt–sensitive rats. Mark AL, et al. **Circulation** 1987 Jan; 75(1 Pt 2):I137–40 (29 ref.)

Impaired responsiveness of the ventricular sensory receptor in hypertensive patients with left ventricular hypertrophy. Trimarco B, et al. **Circulation** 1986 Nov;74(5):980–90

[Results of electrical sensitivity tests of the urethra and vagina in functional urinary incontinence] Hegenscheid F, et al. **Zentralbl Gynakol** 1986;108(23):1436–41 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Neuroreceptor assay with positron emission tomography: equilibrium versus dynamic approaches. Huang SC, et al. **J Cereb Blood Flow Metab** 1986 Oct;6(5):515–21

ULTRASTRUCTURE

Topography and ultrastructure of sensory nerve endings in the joint capsules of the Kowari (Dasyuroides byrnei), an Australian marsupial. Strassmann T, et al. **Anat Embryol (Berl)** 1987;176(1):1–12

Variation in the mode of receptor cell addition in the electrosensory system of gymnotiform fish. Zakon HH. **J Comp Neurol** 1987 Aug 8;262(2):195–214

Fine structure of probable sensory nerve endings in human periodontal ligaments. Nakamura TK, et al. **Okajimas Folia Anat Jpn** 1986 Dec;63(5):323–9

Further observations on an intratubercular sensory receptor of Schistosoma mattheei. Kruger FJ, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):239–40

[Structure and synaptic organization of the osphradium of the lamellibranch mollusk Unio pectorum] Kamardin NN. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):5–10 (Eng. Abstr.) **(Rus)**

RECEPTORS, SEROTONIN

Therapeutic efficacy of ketanserin, a selective antagonist of the serotonin (5-HT2) receptors, in primary and secondary Raynaud's phenomenon. Meloni F, et al. **Angiology** 1987 Jul;38(7):530–6

ANALYSIS

Decreased serotonin S2 and increased dopamine D2 receptors in chronic schizophrenics. Mita T, et al. **Biol Psychiatry** 1986 Dec;21(14):1407–14

Serotonin 5-HT1C receptors are expressed at high density on choroid plexus tumors from transgenic mice. Yagaloff KA, et al. **Brain Res** 1986 Oct 22;385(2):389–94

Serotonin and dopamine receptors in the rat pituitary gland: autoradiographic identification, characterization, and localization. De Souza EB. **Endocrinology** 1986 Oct; 119(4):1534–42

[3H]8-OH-DPAT 'specifically' labels glass fiber filter paper. Peroutka SJ, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):199–200

Dieting and weight loss in volunteers increases the number of alpha 2-adrenoceptors and 5-HT receptors on blood platelets without effect on [3H]imipramine binding. Goodwin GM, et al. **J Affective Disord** 1987 May–Jun; 12(3):267–74

Quantitative autoradiography of multiple 5-HT1 receptor subtypes in the brain of control or 5,7-dihydroxytryptamine-treated rats. Vergé D, et al. **J Neurosci** 1986 Dec;6(12):3474–82

Assessment of binding indices and physiological responsiveness of the 5-HT2 receptor on human platelets. McBride PA, et al. **Life Sci** 1987 May 4;40(18):1799–809

Distribution of neurotransmitter binding sites in the cat median eminence. Seybold VS, et al. **Neuroendocrinology** 1987 Jun;46(1):32–8

Necessity of ascorbic acid in the radioligand binding assay for [3H]5-hydroxytryptamine. Andresen JW, et al. **Neuropharmacology** 1986 Aug;25(8):869–75

Serotonin receptors in the human brain—IV. Autoradiographic mapping of serotonin-2 receptors. Pazos A, et al. **Neuroscience** 1987 Apr;21(1):123–39

Serotonin receptors in the human brain—III. Autoradiographic mapping of serotonin-1 receptors. Pazos A, et al. **Neuroscience** 1987 Apr;21(1):97–122

Effects of electroconvulsive shock on noradrenergic and serotonergic receptors in rat brain. Kellar KJ. **Pharmacopsychiatry** 1987 Jan;20(1):30–4 (52 ref.)

Postmortem serotonergic and adrenergic receptor binding to frontal cortex: correlations with suicide. Mann JJ, et al. **Psychopharmacol Bull** 1986;22(3):647–9

Regulation of beta adrenergic and serotonin-S2 receptors in brain by electroconvulsive shock and serotonin. Kellar KJ, et al. **Psychopharmacol Ser** 1987;3:99–106 (31 ref.)

BIOSYNTHESIS

Induction of muscarinic acetylcholine, serotonin and substance P receptors in Xenopus oocytes injected with mRNA prepared from the small intestine of rats. Aoshima H, et al. **Brain Res** 1987 Apr;388(1):15–20

CLASSIFICATION

The classification of peripheral 5-HT2-like receptors using tryptamine agonist and antagonist analogues. Leff P, et al. **Br J Pharmacol** 1986 Nov;89(3):493–9

Heterogeneity of 5-hydroxytryptamine receptors in the rat uterus and stomach strip. Wrigglesworth SJ. **Br J Pharmacol** 1983 Dec;80(4):691–7

DRUG EFFECTS

Blockade of central beta-adrenoceptors attenuates tremor induced by 5-hydroxytryptamine (5-HT)-receptor activation in rats. Hallberg H. **Acta Physiol Scand** 1987 Mar;129(3):421–8

Comparison between a serotonin and a noradrenaline reuptake blocker in the treatment of depressed outpatients. A cross-over study. Nyström C, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):377–82

Influence of dihydrolysergic acid amide on serotonergic and alpha-adrenergic receptors in human blood platelets and femoral veins in vitro. Glusa E, et al. **Arch Int Pharmacodyn Ther** 1986 Oct;283(2):303–11

Effect of molecular size on 5-hydroxytryptamine receptor agonist activity of 8-hydroxy-2-(alkylamino)tetralins and adrenal cortical 11 beta-hydroxylase inhibition potency of metyrapone analogues. Singh P. **Arzneimittelforschung** 1986 Oct;36(10):1437–9

Near-total loss of 'learning' and 'memory' as a result of combined cholinergic and serotonergic blockade in the rat. Vanderwolf CH. **Behav Brain Res** 1987 Jan;23(1):43–57

Differential interactions of "prosexual" drugs with 5-hydroxytryptamine1A and alpha 2-adrenergic receptors. Kwong LL, et al. **Behav Neurosci** 1986 Oct;100(5):664–8

Serotonin-induced cytosolic free calcium transients in cultured vascular smooth muscle cells. Kanaide H, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):532–8

Lithium decreases 5-HT1 receptors but increases 5-HT-sensitive adenylate cyclase activity in rat hippocampus. Hotta I, et al. **Biol Psychiatry** 1986 Dec; 21(14):1382–90

Beta-adreaergic agonists and 5-HT receptors [letter] Nimgaonkar VL. **Biol Psychiatry** 1987 Jul;22(7):929

An examination of 5-hydroxytryptamine receptors in human saphenous vein. Docherty JR, et al. **Br J Pharmacol** 1986 Sep;89(1):77–81

Differential classification of vascular smooth muscle and endothelial cell 5-HT receptors by use of tryptamine analogues. Leff P, et al. **Br J Pharmacol** 1987 Jun; 91(2):321–31

Serotonin decreases population spike amplitude in hippocampal cells through a pertussis toxin substrate. Clarke WP, et al. **Brain Res** 1987 May 5;410(2):357–61

Role of 5-hydroxytryptamine receptors to narcotic-induced reduction in gastrointestinal transit in rats. Dhasmana KM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):499–503

Role of 5-HT2 receptor inhibition in pulmonary embolization. Thompson JA, et al. **Circ Shock** 1986; 20(4):299–309

The D-1 dopamine receptor antagonist SCH 23390 also interacts potently with brain serotonin (5-HT2) receptors. Bischoff S, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):367–70

Effect of the 5-HT3 receptor antagonist, GR38032F, on responses to injection of a neurokinin agonist into the ventral tegmental area of the rat brain. Hagan RM, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):303–5

Potent agonist activity of DOB at 5-HT2 receptors in guinea pig trachea. Heller WA, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):115–7

Is pindolol a mixed agonist-antagonist at central serotonin (5-HT) receptors? Hjorth S, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):131–8

Neurochemical and behavioural evidence for an agonist action of 1-[2-(4-aminophenyl)ethyl]-4-(3-trifluoromethylphenyl)piperazine (LY 165163) at central 5-HT receptors. Hutson PH, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):215–23

Neurochemical and behavioural evidence for mediation of the hyperphagic action of 8-OH-DPAT by 5-HT cell body autoreceptors. Hutson PH, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):347–52

Inhibition of 5-carboxamidotryptamine-induced relaxation of guinea-pig ileum correlates with [125I]LSD binding. Kalkman HO, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):139–45

Single administration of 5-HT1A agonists decreases 5-HT1A presynaptic, but not postsynaptic receptor-mediated responses: relationship to antidepressant-like action. Kennett GA, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):53–60

Stimulation of corticosterone and beta-endorphin secretion in the rat by selective 5-HT receptor subtype activation. Koenig JI, et al. **Eur J Pharmacol** 1987 May 7;137(1):1–8

Structural relationships in the inhibition of [3H]tryptamine binding to rat brain membranes in vitro by phenylalkylamines. Martin LL, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):53–5

Effects of 5-HT1A selective anxiolytics on lordosis behavior: interactions with progesterone. Mendelson SD, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):323–6

In mice repeated administration of electroconvulsive shock or desmethylimipramine produces rapid alterations in 5-HT2-mediated head-twitch responses and cortical 5-HT2 receptor number. Metz A, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):159–62

(+/-)3,4-Methylenedioxymethamphetamine (MDMA) produces long-term reductions in brain 5-hydroxytryptamine in rats. Mokler DJ, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):265–8

Phencyclidine-induced head-twitch response in rats treated chronically with methysergide. Nabeshima T, et al. **Eur J Pharmacol** 1987 Jan 20;133(3):319–28

Biochemical and pharmacological characterization of CGS 12066B, a selective serotonin-1B agonist. Neale RF, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):1–9

The dopamine response in mouse neuroblastoma cells is mediated by serotonin 5HT3 receptors. Neijt HC, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):271–4

Serotoninergic neurons: long-lasting activation by a possible antidepressant dihydroergosine. Peričić D, et al. **Eur J Pharmacol** 1987 May 7;137(1):123–5

Increase by 5-hydroxykynuramine of spontaneous acetylcholine release from myenteric neurons: mediated by serotonin M receptors. Pfeuffer-Friederich I, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):225–9

Evidence that the putative 5-HT1A receptor agonists, 8-OH-DPAT and ipsapirone, have a central hypotensive action that differs from that of clonidine in anaesthetised cats. Ramage AG, et al. **Eur J Pharmacol** 1987 Jun 19; 138(2):179–91

5HT2 binding sites after mianserin: comparison of loss of sites and brain levels of drug. Sanders-Bush E, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):199–204

(-)-Propranolol blocks the inhibition of serotonergic dorsal raphe cell firing by 5-HT1A selective agonists. Sprouse JS, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):295–8

Mediation of the discriminative stimulus properties of 8-hydroxy-2-(di-n-propylamino) tetralin (8-OH-DPAT) by the putative 5-HT1A receptor. Tricklebank MD, et al. **Eur J Pharmacol** 1987 Jan 6;133(1):47–56

Antagonism by antidepressants of serotonin S1 and S2 receptors of normal human brain in vitro. Wander TJ, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):115–21

A novel antagonist of serotonergic receptors, hymenidin, isolated from the Okinawan marine sponge Hymeniacidon sp. Kobayashi J, et al. **Experientia** 1986 Oct 15; 42(10):1176–7

Effects of TRH on hypothalamic catecholaminergic and serotoninergic neurons. Grosman M, et al. **Gen Pharmacol** 1987;18(4):369–72

Receptor alterations associated with serotonergic agents: an autoradiographic analysis. Wamsley JK, et al. **J Clin Psychiatry** 1987 Mar;48 Suppl:19–25

2,3-Dialkyl(dimethylamino)indoles: interaction with 5HT1, 5HT2, and rat stomach fundal serotonin receptors. Fludzinski P, et al. **J Med Chem** 1986 Nov;29(11):2415–8

Activation of a myenteric 5-hydroxytryptamine-like receptor by metoclopramide. Sanger GJ. **J Pharm Pharmacol** 1987 Jun;39(6):449–53

Fenfluramine antagonizes the stimulation of food intake induced by the putative 5-hydroxytryptamine1A agonist, isapirone, in non-fasted rats. Wong DT, et al. **J Pharm Pharmacol** 1987 Jul;39(7):570–1

Role of dopaminergic and serotonergic neuronal systems in the prefrontal cortex of rats in phencyclidine-induced behaviors. Yamaguchi K, et al. **J Pharmacobiodyn** 1986 Dec;9(12):987–96

Relative efficacies of piperazines at the phosphoinositide hydrolysis-linked serotonergic (5-HT-2 and 5-HT-1c) receptors. Conn PJ, et al. **J Pharmacol Exp Ther** 1987 Aug; 242(2):552–7

Receptors for 5-hydroxytryptamine in rabbit blood vessels: activation of alpha adrenoceptors in rabbit thoracic aorta. Purdy RE, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):535–41

Opposite regulation of serotonin-S2 and dopamine-D2 receptors in rat brain following chronic receptor blockade. Leysen JE, et al. **J Recept Res** 1987;7(1–4):223–39

Serotonin receptor blockade improves cardiac output and hypoxia in porcine ARDS. Sielaff TD, et al. **J Surg Res** 1987 Aug;43(2):118–27

Characteristics of the inhibition of ligand binding to serotonin receptors in rat brain membranes by verapamil. Adachi H, et al. **Jpn J Pharmacol** 1986 Aug;41(4):431–5

Down-regulation of central serotonin S2 receptors after repeated treatment with quinupramine in rats. Sakamoto H, et al. **Jpn J Pharmacol** 1987 Apr;43(4):369–77

The changes of serotonin (5HT-1, 5HT-1A, 5HT-1B, 5HT-2) receptor densities in rat brain following chronic zotepine treatment. Harada T, et al. **Jpn J Psychiatry Neurol** 1986 Jun;40(2):231–7

5-HT3 receptor antagonists: a new class of antiemetics [editorial] **Lancet** 1987 Jun 27;1(8548):1470–1

Prevention of emesis in patients receiving cytotoxic drugs by GR38032F, a selective 5-HT3 receptor antagonist. Cunningham D, et al. **Lancet** 1987 Jun 27;1(8548):1461–3

Effect of 5-HT2-selective agonists on cat platelet aggregation. Seggel MR, et al. **Life Sci** 1987 Aug 31; 41(9):1077–81

Serotonergic mechanisms of lithium action. Goodnick PJ. **Mt Sinai J Med (NY)** 1987 Feb;54(2):182–7

Novel anxiolytics discriminate between postsynaptic serotonin receptors mediating different physiological responses on single neurons of the rat hippocampus. Andrade R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jul; 336(1):5–10

Piperazine derivatives including the putative anxiolytic drugs, buspirone and ipsapirone, are agonists at 5-HT1A receptors negatively coupled with adenylate cyclase in hippocampal neurons. Bockaert J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):588–92

Effects of a selective 5-HT reuptake blocker, citalopram, on the sensitivity of 5-HT autoreceptors: electrophysiological studies in the rat brain. Chaput Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):342–8

Interconversion into a low active state protects vascular 5-HT2-receptors against irreversible antagonism by phenoxybenzamine. Frenken M, et al.

Naunyn Schmiedebergs Arch Pharmacol 1987 May; 335(5):481–90

Potentiation by deprenyl of the autoreceptor–mediated inhibition of [3H]–5–hydroxytryptamine release by 5–methoxytryptamine. Galzin AM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):330–3

Temporal changes in dopaminergic and serotonergic function caused by administration of trimethyltin to adult rats. DeHaven DL, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct;8(5):475–9

5–Hydroxytryptamine M–receptor antagonism to prevent cisplatin–induced emesis. Costall B, et al. **Neuropharmacology** 1986 Aug;25(8):959–61

5–Hydroxytryptamine M–receptor antagonism in the hypothalamus facilitates gastric emptying in the guinea–pig. Costall B, et al. **Neuropharmacology** 1986 Nov; 25(11):1293–6

(–)–Propranolol and (+/–)–cyanopindolol are mixed agonists–antagonists at serotonin autoreceptors in the hippocampus of the rat brain. Maura G, et al. **Neuropharmacology** 1987 Jul;26(7A):713–7

Pharmacological analysis of the behavioural and thermoregulatory effects of the putative 5–HT1 receptor agonist, RU 24969, in the rat. Tricklebank MD, et al. **Neuropharmacology** 1986 Aug;25(8):877–86

The behavioural effects of intravenously administered tryptamine in mice. Yamada J, et al. **Neuropharmacology** 1987 Jan;26(1):49–53

Chronic imipramine treatment reduces (+)2–[125I]iodolysergic acid, diethylamide but not 125I–neuropeptide Y binding in layer IV of rat cerebral cortex. Cummins JT, et al. **Neurosci Lett** 1987 Mar 31; 75(2):152–6

Phencyclidine–induced head–twitch responses as 5–HT2 receptor–mediated behavior in rats. Nabeshima T, et al. **Neurosci Lett** 1987 May 19;76(3):335–8

Methysergide–induced precipitated withdrawal syndrome in phencyclidine–dependent rats. Nabeshima T, et al. **Neurosci Lett** 1986 Sep 12;69(3):275–8

Effect of cholinergic deficit induced by ethylcholine aziridinium on serotonergic parameters in rat brain. Hörtnagl H, et al. **Neuroscience** 1987 Jul;22(1):203–13

Effects of the putative 5–HT1A receptor agonist 8–OH–2–(di–n–propylamino)tetralin on nociceptive sensitivity in mice. Fasmer OB, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):883–8

Action of chronically administered antidepressants on the serotonergic postsynapse in a model of depression. Nagayama H, et al. **Pharmacol Biochem Behav** 1986 Oct; 25(4):805–11

Differential effects of nialamide and clomipramine on serotonin efflux and autoreceptors. Offord SJ, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):593–600

The influence of chronic treatment with antidepressant neuroleptics on the central serotonin system. Antkiewicz–Michaluk L. **Pol J Pharmacol Pharm** 1986 Jul–Aug;38(4):359–70

Antagonistic effects of some metabolites and analogues of mianserin on serotonin and alpha 1– and alpha 2–adrenergic receptors in the flexor reflex model in vivo. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):69–75

Recent advances in central 5–hydroxytryptamine receptor agonists and antagonists. Arvidsson LE, et al. **Prog Drug Res** 1986;30:365–471 (505 ref.)

New antidepressants—the serotonin reuptake inhibitors. Awad AG. **Psychiatr J Univ Ottawa** 1987 Mar;12(1):31–4

Serotonin receptor subtype agonists: differential effects on sensorimotor reactivity measured with acoustic startle. Davis M, et al. **Psychopharmacol Bull** 1986;22(3):837–43

Effector systems coupled to serotonin receptors in brain: serotonin stimulated phosphoinositide hydrolysis. Sanders–Bush E, et al. **Psychopharmacol Bull** 1986; 22(3):829–36

Differential regulation of dopamine–D2 and serotonin–S2 receptors by chronic treatment with the serotonin–S2 antagonists, ritanserin, and setoperone. Leysen JE, et al. **Psychopharmacol Ser** 1987;3:214–24

Neuropharmacological reassessment of the discriminative stimulus properties of d–lysergic acid diethylamide (LSD). Cunningham KA, et al. **Psychopharmacology (Berlin)** 1987; 91(1):67–73

Blockade of dopamine receptors explains the lack of 5–HT stereotypy on treatment with the putative 5–HT1A agonist LY165163. Donohoe TP, et al. **Psychopharmacology (Berlin)** 1987;93(1):82–6

The effect of lithium on 5–HT–mediated neuroendocrine responses and platelet 5–HT receptors. Glue PW, et al. **Psychopharmacology (Berlin)** 1986;90(3):398–402

Attenuation by electroconvulsive shock and antidepressant drugs of the 5–HT1A receptor–mediated hypothermia and serotonin syndrome produced by 8–OH–DPAT in the rat. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1987; 91(4):500–5

Lithium decreases 5–HT1A and 5–HT2 receptor and alpha 2–adrenoceptor mediated function in mice. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1986;90(4):482–7

Differential effects of substance P on serotonin–modulated spinal nociceptive reflexes. Murphy RM, et al. **Psychopharmacology (Berlin)** 1987;93(1):118–21

Evidence for a possible interaction between noradrenergic and serotonergic neurotransmission in the retrieval of a previously learned aversive habit in mice. Normile HJ, et al. **Psychopharmacology (Berlin)** 1987;92(3):388–92

The interoceptive discriminative stimuli induced by the novel putative anxiolytic TVX Q 7821: behavioral evidence for the specific involvement of serotonin 5–HT1A receptors. Spencer DG Jr, et al. **Psychopharmacology (Berlin)** 1987; 91(1):25–9

A G protein couples serotonin and GABAB receptors to the same channels in hippocampus. Andrade R, et al. **Science** 1986 Dec 5;234(4781):1261–5

S2–serotonergic receptor inhibition (ketanserin), combined with thromboxane A2/prostaglandin endoperoxide receptor blockade (BM 13.177): enhanced anti–platelet effect [letter] De Clerck F. **Thromb Haemost** 1986 Oct 21; 56(2):236

[Mechanism of action of various psychotropic agents on serotonin receptors and the transmembrane signal control] Mikuni M. **Hokkaido Igaku Zasshi** 1987 May;62(3):417–29 (Eng. Abstr.) **(Jpn)**

[Specific inhibitory action of a novel antidepressant paroxetine on 5–HT uptake] Tanigaki N, et al. **Nippon Yakurigaku Zasshi** 1987 Apr;89(4):175–80 (Eng. Abstr.) **(Jpn)**

[Mechanism of action and use of antagonists of serotonin receptors S2, especially ketanserin, in the treatment of various diseases of the cardiovascular system] Wiecek A, et al. **Pol Tyg Lek** 1987 Mar 9;42(10):304–8 (45 ref.) **(Pol)**

[Stimulation of the immune response during blockade of serotonin receptors by cyproheptadine] Idova GV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):440–2 (Eng. Abstr.) **(Rus)**

GENETICS

Rat brain 5–HT1C receptors are encoded by a 5–6 kbase mRNA size class and are functionally expressed in injected Xenopus oocytes. Lübbert H, et al. **J Neurosci** 1987 Apr; 7(4):1159–65

cDNA cloning of a serotonin 5–HT1C receptor by electrophysiological assays of mRNA–injected Xenopus oocytes. Lübbert H, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4332–6

ISOLATION & PURIFICATION

Photoaffinity labelling and solubilization on the central 5–HT1A receptor binding site. Gozlan H, et al. **J Recept Res** 1987;7(1–4):195–221

METABOLISM

Changes in the 5–HT–binding sites in the cerebral cortex, striatum and hypothalamus of rats during ageing and under the effect of dopaminergic agents. Petkov VD, et al. **Acta Physiol Pharmacol Bulg** 1987;13(1):11–9

Immunohistochemical and pharmacological studies on serotonergic nerves and receptors in brain vessels. Chang JY, et al. **Acta Physiol Scand [Suppl]** 1986;552:49–53

Serotonin and serotonergic receptors in suicide. Stanley M, et al. **Ann NY Acad Sci** 1986;487:122–7

Serotonin receptors influencing cell proliferation in the jejunal crypt epithelium and in colonic adenocarcinomas. Tutton PJ, et al. **Anticancer Res** 1986 Sep–Oct;6(5):1123–6

Modulation of neuronal MAO activity, 5–HT uptake and imipramine binding by endogenous substances in dog cerebrospinal fluid. Egashira T, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1781–5

7–Amino–8–[125I]–ketanserin ([125I]AMIK), a highly sensitive, serotonin–S2 receptor ligand. Wouters W, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3199–202

Serotonergic, adrenergic and histaminergic receptors coupled to phospholipase C in cultured cerebellar granule cells of rats. Xu J, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2353–8

Increased gut cholinergic activity and antagonism of 5–hydroxytryptamine M–receptors by BRL 24924: potential clinical importance of BRL 24924. Sanger GJ. **Br J Pharmacol** 1987 May;91(1):77–87

Serotonin–1C sites in the choroid plexus are not linked in a stimulatory or inhibitory way to adenylate cyclase. Palacios JM, et al. **Brain Res** 1986 Aug 13;380(1):151–4

Postnatal changes in serotonin receptors following prenatal alterations in serotonin levels: further evidence for functional fetal serotonin receptors. Whitaker–Azmitia PM, et al. **Brain Res** 1987 Jun;430(2):285–9

Antidepressant–binding sites in brain and platelets. Langer SZ, et al. **Ciba Found Symp** 1986;123:3–29

Characterization of serotonin receptors in the iris + ciliary body of the albino rabbit. Mallorga P, et al. **Curr Eye Res** 1987 Mar;6(3):527–32

5–HT2 receptor–stimulated inositol phosphate formation in rat aortic myocytes. Cory RN, et al. **Eur J Pharmacol** 1986 Nov 12;131(1):153–7

Irreversible blockade of central 5–HT1A receptor binding sites by the photoaffinity probe 8–methoxy–3'–NAP–amino–PAT. Emerit MB, et al. **Eur J Pharmacol** 1986 Aug 7;127(1–2):67–81

Phenethylamine hallucinogens in the locus coeruleus: potency of action correlates with rank order of 5–HT2 binding affinity. Rasmussen K, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):79–82

Characterization of serotonin receptors and lack of effect of antidepressant therapy on monoamine functions in various regions of the rabbit brain. Schoups A, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):259–71

BMY 7378, a buspirone analog with high affinity, selectivity and low intrinsic activity at the 5–HT1A receptor in rat and guinea pig hippocampal membranes. Yocca FD, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):293–4

Identification of the serotonin–S2 receptor ligand binding site by photoaffinity labelling with 7–azido–8–[125I]ketanserin ([125I]AZIK). Wouters W, et al. **FEBS Lett** 1987 Mar 23; 213(2):359–64

Defect of serotonin binding to mononuclear cells from episodic cluster headache patients. Martelletti P, et al. **Headache** 1987 Jan;27(1):23–6

Evidence for serotonin (5HT) binding sites on murine lymphocytes. Bonnet M, et al. **Int J Immunopharmacol** 1987;9(5):551–8

Platelet binding studies in panic disorder. Nutt DJ, et al. **J Affective Disord** 1987 Jan–Feb;12(1):7–11

Analysis of receptor reserves in canine tracheal smooth muscle. Gunst SJ, et al. **J Appl Physiol** 1987 Apr; 62(4):1755–8

Serotonin receptor activation of phosphoinositide turnover in uterine, fundal, vascular, and tracheal smooth muscle. Cohen ML, et al. **J Cardiovasc Pharmacol** 1987 Aug; 10(2):176–81

Development of neural receptors for serotonin in the murine bowel. Branchek TA, et al. **J Comp Neurol** 1987 Apr 22; 258(4):597–610

Indazoles as indole bioisosteres: synthesis and evaluation of the tropanyl ester and amide of indazole–3–carboxylate as antagonists at the serotonin 5HT3 receptor. Fludzinski P, et al. **J Med Chem** 1987 Sep;30(9):1535–7

5–HT1 and 5–HT2 binding characteristics of some quipazine analogues. Glennon RA, et al. **J Med Chem** 1986 Nov; 29(11):2375–80

Quantitative autoradiographic analysis of the effects of electroconvulsive shock on serotonin–2 receptors in male and female rats. Biegon A, et al. **J Neurochem** 1987 May; 48(5):1386–91

Identification of the 5–HT1A receptor binding subunit in rat brain membranes using the photoaffinity probe [3H]8–methoxy–2–[N–n–propyl, N–3–(2–nitro–4–azidophenyl)aminopropyl]aminotetralin. Emerit MB, et al. **J Neurochem** 1987 Aug;49(2):373–80

Allosteric interaction between the site labeled by [3H]imipramine and the serotonin transporter in human platelets. Meyerson LR, et al. **J Neurochem** 1987 Feb; 48(2):560–5

Temperature dependence of drug interaction with the platelet 5–hydroxytryptamine transporter: a clue to the imipramine selectivity paradox. Segonzac A, et al. **J Neurochem** 1987 Feb;48(2):331–9

3H–3–N–methylspiperone labels D2 dopamine receptors in basal ganglia and S2 serotonin receptors in cerebral cortex. Lyon RA, et al. **J Neurosci** 1986 Oct;6(10):2941–9

Kinetics of competitive drug action at 5–hydroxytryptamine2 receptors in isolated rabbit aorta. Clancy BM, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):108–14

The 5–hydroxytryptamine (5–HT2) receptor stimulates inositol phosphate formation in intact and broken WRK1 cells: determination of occupancy–response relationships for 5–HT agonists. Cory RN, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):258–67

Selective labeling of serotonin uptake sites in rat brain by [3H]citalopram contrasted to labeling of multiple sites by [3H]imipramine. D'Amato RJ, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):364–71

Interaction of 5–hydroxykynurenamine, L–kynurenine and kynuramine with multiple serotonin receptors in smooth muscle. Pomfret DW, et al. **J Pharmacol Exp Ther** 1987 May;241(2):465–71

Association of [3H]–imipramine and [3H]–paroxetine binding with the 5HT transporter in brain and platelets: relevance to studies in depression. Langer SZ, et al. **J Recept Res** 1987;7(1–4):499–521

Reconstitution of solubilized serotonin–S2 receptors into phospholipid vesicles. Wouters W, et al. **J Recept Res** 1986; 6(3–4):271–82

In vitro receptor specificity of the 5HT1A selective phenylpiperazine, LY165163. Cohen ML, et al. **Life Sci** 1986 Dec 22;39(25):2441–6

In vivo binding of 3H–N–methylspiperone to dopamine and serotonin receptors. Frost JJ, et al. **Life Sci** 1987 Mar 9; 40(10):987–95

[3H]spiroxatrine labels a serotonin1A–like site in the rat hippocampus. Nelson DL, et al. **Life Sci** 1987 Sep 28; 41(13):1567–76

Characterization of a serotonin transporter and an adenylate cyclase–linked serotonin receptor in the cestode Hymenolepis diminuta. Ribeiro P, et al. **Life Sci** 1987 Feb 23;40(8):755–68

3H–DOB (4–bromo–2,5–dimethoxyphenylisopropylamine) labels a guanyl nucleotide–sensitive state of cortical 5–HT2 receptors. Lyon RA, et al. **Mol Pharmacol** 1987 Feb; 31(2):194–9

Pharmacological characterization of two 5–hydroxytryptamine receptors coupled to adenylate cyclase in guinea pig hippocampal membranes. Shenker A, et al. **Mol Pharmacol** 1987 Apr;31(4):357–67

Interaction between 5–HT uptake inhibition and activation of 5–HT autoreceptors by exogenous agonists in rat cerebral cortex slices and synaptosomes. Bonanno G, et

al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):219–25

Serotonin (5-HT) enhances hippocampal noradrenaline (NA) release: evidence for facilitatory 5-HT receptors within the CNS. Feuerstein TJ, et al.
Naunyn Schmiedebergs Arch Pharmacol 1986 Jul; 333(3):191–7

Allosteric properties of the 5-HT2 receptor system of the rat tail artery. Ritanserin and methysergide are not competitive 5-HT2 receptor antagonists but allosteric modulators. Frenken M, et al.
Naunyn Schmiedebergs Arch Pharmacol 1987 Apr; 335(4):359–66

[3H]ketanserin labels 5-HT2 receptors and alpha 1-adrenoceptors in human and pig brain membranes. Hoyer D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Mar; 335(3):226–30

Serotonin autoreceptor in rat hippocampus: pharmacological characterization as a subtype of the 5-HT1 receptor. Maura G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):323–6

Cerebrocortical modulation of S2-receptors and turnover rate of 5-hydroxytryptamine in ischemia. Wroblewska B, et al. **Neurochem Res** 1987 Jan;12(1):21–5

Selective beta-antagonists are equally and highly potent at 5-HT sites in the rat hippocampus. Edwards E, et al.
Neuropharmacology 1987 Jan;26(1):93–6

Relative affinities for different classes of neurotransmitter receptors predict neuroleptic efficacy in infantile autism: a hypothesis. Deutsch SI, et al. **Neuropsychobiology** 1986; 15(3–4):160–4

Long-term lithium treatment causes serotonin receptor down-regulation via serotonergic presynapses in rat brain. Hotta I, et al. **Neuropsychobiology** 1986;16(1):19–26

[125I]LSD labels 5-HT1C recognition sites in pig choroid plexus membranes. Comparison with [3H]mesulergine and [3H]5-HT binding. Hoyer D, et al. **Neurosci Lett** 1986 Sep 12;69(3):269–74

Distribution of serotonin-1A receptors in the monkey and the postmortem human hippocampal region. A quantitative autoradiographic study using the selective agonist [3H]8-OH-DPAT. Köhler C, et al. **Neurosci Lett** 1986 Dec 3;72(1):43–8

Tremorigenic effect and inhibition of tryptamine and serotonin receptor binding by beta-carbolines. Airaksinen MM, et al. **Pharmacol Toxicol** 1987 Jan;60(1):5–8

Ontogeny of the serotonergic projection to rat neocortex: transient expression of a dense innervation to primary sensory areas. D'Amato RJ, et al.
Proc Natl Acad Sci USA 1987 Jun;84(12):4322–6

Rat brain serotonin receptors in Xenopus oocytes are coupled by intracellular calcium to endogenous channels. Takahashi T, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5063–7

Reduced central serotonin turnover in a subgroup of alcoholics? Roy A, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1987; 11(2–3):173–7

Binding of yohimbine and imipramine to platelets in depressive illness. Braddock L, et al. **Psychol Med** 1986 Nov;16(4):765–73

Substituted phenylpiperazines as serotonin agonists: structural determinants of potency and interaction with receptor subtypes. Fuller RW. **Psychopharmacol Bull** 1986; 22(3):825–8

Aminergic receptor binding correlates of suicide: methodological issues. Mann JJ, et al.
Psychopharmacol Bull 1986;22(3):741–3

Analysis of 5-HT1 binding site subtypes and potential functional correlates. Peroutka SJ, et al.
Psychopharmacol Bull 1986;22(3):813–7

Labeling of the 5-HT1A receptor subtype. Shih JC, et al.
Psychopharmacol Bull 1986;22(3):818–24

[Radioautographic study of the hypothalamic serotoninergic structures in the perinatal period of the rat] Ugriumov MV, et al. **Ontogenez** 1987 Mar–Apr;18(2):192–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Receptors involved in the 5-hydroxytryptamine-induced contraction of isolated cerebral arteries. Young AR, et al. **Acta Physiol Scand [Suppl]** 1986;552:54–7

Are there any presynaptic 5-HT receptors in frog atria? Sahin I, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):82–92

Neurotransmitters and memory: role of cholinergic, serotonergic, and noradrenergic systems. Wenk G, et al.
Behav Neurosci 1987 Jun;101(3):325–32

Activation of 5-HT3 receptor subtypes causes rapid excitation of rabbit parasympathetic neurones. Akasu T, et al. **Br J Pharmacol** 1987 Jul;91(3):453–5

Involvement of 5-HT1A- and alpha 2-receptors in the decreased 5-hydroxytryptamine release and metabolism in rat suprachiasmatic nucleus after intravenous 8-hydroxy-2-(n-dipropylamino) tetralin. Marsden CA, et al. **Br J Pharmacol** 1986 Oct;89(2):277–86

Denervation supersensitivity of 5-HT-1c receptors in rat choroid plexus. Conn PJ, et al. **Brain Res** 1987 Jan 6; 400(2):396–8

Involvement of a GTP-binding protein in mediation of serotonin and acetylcholine responses in Xenopus oocytes injected with rat brain messenger RNA. Dascal N, et al. **Brain Res** 1986 Dec;387(3):201–9

Brain Na+,K+-ATPase activity possibly regulated by a specific serotonin receptor. Hernández J. **Brain Res** 1987 Apr 7;408(1–2):399–402

Activation of serotonin receptors in the medial basal hypothalamus stimulates growth hormone secretion in the unanesthetized rat. Willoughby JO, et al. **Brain Res** 1987 Feb 24;404(1–2):319–22

Ontogenesis of serotonin (5-HT) binding sites in the choroid plexus of the rat brain. Zilles K, et al. **Brain Res** 1986 Aug 13;380(1):201–3

A comparison of the electrophysiological and pharmacological properties of serotonin-containing neurons in the nucleus raphe dorsalis, raphe medianus and raphe pallidus recorded from mouse brain slices in vitro: role of autoreceptors. Trulson ME, et al.
Brain Res Bull 1987 Feb;18(2):179–90

Possible involvement of serotonin receptors in the facilitatory effect of a hallucinogenic phenethylamine on single facial motoneurons. Penington NJ, et al.
Can J Physiol Pharmacol 1986 Oct;64(10):1302–9

The effects of electroconvulsive therapy and antidepressant drugs on monoamine receptors in rodent brain—similarities and differences. Green AR, et al. **Ciba Found Symp** 1986; 123:246–67

Adrenergic and serotonergic receptor responsiveness in depression. Siever LJ, et al. **Ciba Found Symp** 1986; 123:148–63

Presynaptic 5-HT autoreceptors and the modulation of the release of 5-HT. Göthert M. **Clin Neuropharmacol** 1986; 9 Suppl 4:308–10

Opiate-serotonin synergism stimulating luteinizing hormone release in estrogen-progesterone-primed ovariectomized rats: mediation by serotonin2 receptors. Lenahan SE, et al. **Endocrinology** 1987 Apr;120(4):1498–502

Drug-induced penile erections in rats: indications of serotonin1B receptor mediation. Berendsen HH, et al.
Eur J Pharmacol 1987 Mar 31;135(3):279–87

Pharmacological characterization of release-regulating serotonin autoreceptors in rat cerebellum. Bonanno G, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):317–21

5-HT2 receptors could be primarily involved in the regulation of slow-wave sleep in the rat. Dugovic C, et al. **Eur J Pharmacol** 1987 May 7;137(1):145–6

Cholinergic terminals in rat hippocampus possess 5-HT1B receptors mediating inhibition of acetylcholine release. Maura G, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):333–7

Evidence for serotonin-S2 receptor involvement in analgesia in humans. Sandrini G, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):311–4

Serotonin receptors in the rat nucleus tractus solitarii and cardiovascular regulation. Shvaloff A, et al.
Eur J Pharmacol 1986 Dec 16;132(2–3):283–8

Serotonin–norepinephrine receptor interactions in the brain: implications for the pharmacology and pathophysiology of affective disorders. Sulser F. **J Clin Psychiatry** 1987 Mar; 48 Suppl:12–8

Role of serotonin in the regulation of human natural killer cell cytotoxicity. Hellstrand K, et al. **J Immunol** 1987 Aug 1;139(3):869–75

Central serotonin receptors as targets for drug research. Glennon RA. **J Med Chem** 1987 Jan;30(1):1–12 (178 ref.)

In vivo electrophysiological evidence for the regulatory role of autoreceptors on serotonergic terminals. Chaput Y, et al. **J Neurosci** 1986 Oct;6(10):2796–801

Regulation of serotonin-stimulated phosphoinositide hydrolysis: relation to the serotonin 5-HT-2 binding site. Conn PJ, et al. **J Neurosci** 1986 Dec;6(12):3669–75

Differential ontogeny of opioid, dopaminergic and serotonergic regulation of prolactin secretion. Bero LA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):825–30

Involvement of central serotonergic mechanisms in the cough reflex. Kamei J, et al. **Jpn J Pharmacol** 1986 Dec; 42(4):531–8

Serotonin and the renal blood supply: role of prostaglandins and the 5HT-2 receptor. Blackshear JL, et al.
Kidney Int 1986 Sep;30(3):304–10

The role of putative 5-HT1A and 5-HT1B receptors in the control of feeding in rats. Bendotti C, et al. **Life Sci** 1987 Aug 3;41(5):635–42

Multiple mechanisms of serotonergic signal transduction. Roth BL, et al. **Life Sci** 1987 Aug 31;41(9):1051–64 (102 ref.)

Mechanisms involved in the action of serotonin-induced stimulation of progesterone production by bovine luteal cells in vitro. Battista PJ, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):145–51

On the nature of the receptor mediating the action of 5-hydroxytryptamine in potentiating responses of the mouse urinary bladder strip to electrical stimulation. Holt SE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):333–40

5-HT1A-receptors mediate stimulation of adenylate cyclase in rat hippocampus. Markstein R, et al.
Naunyn Schmiedebergs Arch Pharmacol 1986 Aug; 333(4):335–41

Thermoregulatory responses to serotonin (5-HT) receptor stimulation in the rat. Evidence for opposing roles of 5-HT2 and 5-HT1A receptors. Gudelsky GA, et al.
Neuropharmacology 1986 Dec;25(12):1307–13

Selective desensitization of serotonin (5-HT) receptor-mediated hyperthermia by mianserin and other 5-HT antagonists. Gudelsky GA, et al.
Neuropharmacology 1987 Jul;26(7A):707–12

Down-regulation of serotonin2, but not of beta-adrenergic receptors during chronic treatment with amitriptyline is independent of stimulation of serotonin2 and beta-adrenergic receptors. Scott JA, et al.
Neuropharmacology 1986 Dec;25(12):1301–6

Evidence for separate receptors that mediate parallel effects of serotonin and small cardioactive peptideB (SCPB) on adenylate cyclase in Aplysia californica. Ocorr KA, et al.
Neurosci Lett 1986 Oct 8;70(2):283–8

Peripheral neural serotonin receptors: identification and characterization with specific antagonists and agonists. Mawe GM, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9799–803

The dopamine and serotonin systems during aging in human and rodent brain. A brief review. Morgan DG.
Prog Neuropsychopharmacol Biol Psychiatry 1987; 11(2–3):153–7

Central serotonin receptors: effector systems, physiological roles and regulation. Conn PJ, et al.
Psychopharmacology (Berlin) 1987;92(3):267–77

The enhancement by lithium of the 5-HT1A mediated serotonin syndrome produced by 8-OH-DPAT in the rat: evidence for a post-synaptic mechanism. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1986;90(4):488–93

[Physiopathology of the panic syndrome] Gentil V. **AMB** 1986 May–Jun;32(5–6):101–7 (Eng. Abstr.) **(Por)**

[The serotoninergic component in the mechanism of the development of neurogenic damage to the stomach] Zavodskaia IS, et al. **Farmakol Toksikol** 1987 Jan–Feb; 50(1):77–80 (Eng. Abstr.) **(Rus)**

RECEPTORS, SOMATOTROPIN

Growth hormone receptor structure in adipocytes from normal and growth hormone-deficient rats. Schwartz J, et al. **Horm Metab Res** 1987 Jun;19(6):242–8

ANALYSIS

Identification and characterization of a heterogeneous population of growth hormone receptors in mouse hepatic membranes. Smith WC, et al. **J Biol Chem** 1987 Feb 15; 262(5):2213–9

DEFICIENCY

Absence of serum growth hormone binding protein in patients with growth hormone receptor deficiency (Laron dwarfism). Daughaday WH, et al.
Proc Natl Acad Sci USA 1987 Jul;84(13):4636–40

DRUG EFFECTS

Comparative study of in vitro and in vivo modulation of lactogenic and somatotropic receptors by native human growth hormone and its modified analog prepared by recombinant deoxyribonucleic acid technology. Ashkenazi A, et al. **Endocrinology** 1987 Jul;121(1):414–9

IMMUNOLOGY

Serum and liver cytosolic growth-hormone-binding proteins are antigenically identical with liver membrane receptor types 1 and 2. Barnard R, et al. **Biochem J** 1986 Aug 1; 237(3):885–92

METABOLISM

The human growth hormone receptor of cultured human lymphocytes. Structural characteristics and glycosylation properties. Asakawa K, et al. **Biochem J** 1986 Sep 1; 238(2):379–86

Heterogeneity of growth-hormone receptors detected with monoclonal antibodies to human growth hormone. Thomas H, et al. **Biochem J** 1987 Apr 15;243(2):365–72

Structural studies on membrane-bound and soluble growth-hormone-binding proteins of rabbit liver. Ymer SI, et al. **Biochem J** 1987 Mar 15;242(3):713–20

Ontogenesis of growth hormone (GH)-responsive hepatic gene products: lack of correlation with hepatic GH receptor content. Berry SA, et al. **Endocrinology** 1986 Nov; 119(5):2290–6

Inhibition of binding of ovine placental lactogen to growth hormone and prolactin receptors by monoclonal antibodies. Chan JS, et al. **Endocrinology** 1986 Dec;119(6):2623–8

Receptor-mediated endocytosis and degradative processing of growth hormone by rat adipocytes in primary culture. Roupas P, et al. **Endocrinology** 1987 May;120(5):2158–65

Regulation of GH binding to specific cellular receptors in vitro—a new model of growth regulation in vivo. Kiess W, et al. **Horm Metab Res** 1987 Apr;19(4):171–6

Alteration by concanavalin A of the slow dissociable component in the human growth hormone-receptor interaction. Lascols O, et al. **Horm Metab Res** 1986 Aug; 18(8):512–6

Receptor binding properties and insulin-like effects of human growth hormone and its 20 kDa-variant in rat adipocytes. Smal J, et al. **J Biol Chem** 1987 Aug 15;262(23):11071–9

Methionine oxidation in human growth hormone and human chorionic somatomammotropin. Effects on receptor binding and biological activities. Teh LC, et al.
J Biol Chem 1987 May 15;262(14):6472–7

Suramin inhibition of growth factor receptor binding and mitogenicity in AKR-2B cells. Coffey RJ Jr, et al.
J Cell Physiol 1987 Jul;132(1):143–8

Evidence for differential binding of growth hormones to membrane and cytosolic GH binding proteins of rabbit liver. Barnard R, et al. **J Recept Res** 1986;6(3–4):209–25

Specific binding sites for prolactin and growth hormone in the adult rabbit lung. Amit T, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):17–24

Covalent coupling of bovine growth hormone to its receptor in bovine liver membranes. Badinga L, et al. **Mol Cell Endocrinol** 1987 Jul;52(1–2):85–9

Diminished hepatic growth hormone receptor binding in sex-linked dwarf broiler and leghorn chickens. Leung FC, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):234–8

[22K and 20K growth hormone: correlation of receptor binding and the biological effect on rat adipocytes] Smal J, et al. **Reprod Nutr Dev** 1987;27(2B):521–2 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Low circulating somatomedin-C/insulin-like growth factor I in insulin-dependent diabetes and malnutrition: growth hormone receptor and post-receptor defects. Maes M, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:86–92

[Regulation of receptors and mechanism of action of growth hormone] Postel-Vinay MC, et al. **Reprod Nutr Dev** 1987; 27(2B):513–20 (40 ref.) (Eng. Abstr.) **(Fre)**

RECEPTORS, STEROID

16th annual UCLA symposium. Abstracts: Steroid hormone action. **J Cell Biochem [Suppl]** 1987;11A:85–137

ANALYSIS

Gender and baboon aortic steroid hormone receptors. Lin AL, et al. **Arterioscler Thromb** 1987 May–Jun;7(3):248–55

Receptor for 1,25-dihydroxyvitamin D in a vascular smooth muscle cell line derived from rat aorta. Kawashima H. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):1–6

Steroid hormone receptors and endocrine response of prostatic carcinoma. Jasper WS, et al. **Cancer Detect Prev** 1987;10(5–6):393–9

Significance of 1,25-dihydroxyvitamin D3 receptor in primary breast cancers. Eisman JA, et al. **Cancer Res** 1986 Oct;46(10):5406–8

Sex hormone response of a newly established squamous cell line derived from clinical esophageal carcinoma. Matsuoka H, et al. **Cancer Res** 1987 Aug 1;47(15):4134–40

Combined technique of immunohistochemistry and autoradiography for the simultaneous detection of steroid hormone receptors and their ligand. Gasc JM, et al. **J Histochem Cytochem** 1986 Nov;34(11):1505–8

Gonadal steroid receptors in meningiomas. Lesch KP, et al. **J Neurol** 1987 Jun;234(5):328–33

Correlation of biochemical (receptors, endogenous tissue hormones) and quantitative morphologic (stereologic) findings in normal and hyperplastic human prostates. Bartsch G, et al. **J Urol** 1987 Mar;137(3):559–64

1,25-Dihydroxyvitamin D3 receptors and their relationship to histological features in renal cell carcinoma. Nagakura K, et al. **J Urol** 1987 Jun;137(6):1300–3

Quality of breast biopsy specimens received for steroid receptor analysis [letter] Foo T, et al. **Med J Aust** 1987 Feb 2;146(3):170, 172

Advances in cancer: hormone receptors and their role in the clinical management of cancer. Kirschner MA. **NJ Med** 1987 May;84(5):351–6 (59 ref.)

Distribution and characterization of steroid hormone receptors in human thyroid tissue. Chaudhuri PK, et al. **World J Surg** 1986 Oct;10(5):737–44

[Hormone-dependency of the human prostate] Robel P. **Bull Cancer (Paris)** 1986;73(1):19–22 (Eng. Abstr.) **(Fre)**

[Hormone dependence and steroid receptors in adenocarcinomas of the endometrium] Lellouche D, et al. **Rev Fr Gynecol Obstet** 1987 May;82(5):325–9 (Eng. Abstr.) **(Fre)**

[Effect of neonatal castration on sex steroid receptor levels in the hypophysis of male rats] Babichev VN, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):210–1 (Eng. Abstr.) **(Rus)**

BLOOD

Decreased number of steroid receptors of circulating lymphocytes in Crohn's disease and ulcerative colitis. Krasznai A, et al. **Haematologia (Budap)** 1986;19(4):299–301

1,25-Dihydroxyvitamin D3 receptors in lymphocytes from patients with rheumatoid arthritis. Manolagas SC, et al. **J Lab Clin Med** 1986 Dec;108(6):596–600

DRUG EFFECTS

Inhibition by plant herb extracts of steroid bindings in uterus, liver and serum of the rabbit. Tamaya T, et al. **Acta Obstet Gynecol Scand** 1986;65(8):839–42

Testis cytological structure, plasma sex steroids, and gonad cytosol free steroid receptors of heterologous gonadotropin (hCG)-stimulated silver eel, Anguilla anguilla L. Colombo G, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):167–78

GENETICS

Genetics of steroid receptors and their disorders. Pinsky L, et al. **Adv Hum Genet** 1987;16:299–472 (766 ref.)

1 alpha-hydroxyvitamin D3 treatment of three patients with 1,25-dihydroxyvitamin D-receptor-defect rickets and alopecia. Takeda E, et al. **Pediatrics** 1987 Jul;80(1):97–101

Avian and mammalian receptors for 1,25-dihydroxyvitamin D3: in vitro translation to characterize size and hormone-dependent regulation. Mangelsdorf DJ, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):354–8

Association between the expression of the c-myc oncogene mRNA and the expression of the receptor protein for 1,25-dihydroxyvitamin D3. Manolagas SC, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):856–60

Cloning of human mineralocorticoid receptor complementary DNA: structural and functional kinship with the glucocorticoid receptor. Arriza JL, et al. **Science** 1987 Jul 17;237(4812):268–75

Molecular cloning of complementary DNA encoding the avian receptor for vitamin D. McDonnell DP, et al. **Science** 1987 Mar 6;235(4793):1214–7

[ErbA and steroid receptor] Shikita M. **Seikagaku** 1986 Jul; 58(7):482–7 **(Jpn)**

ISOLATION & PURIFICATION

Chicken intestinal receptor for 1,25-dihydroxyvitamin D3. Immunologic characterization and homogeneous isolation of a 60,000-dalton protein. Pike JW, et al. **J Biol Chem** 1987 Jan 25;262(3):1305–11

Solubilization of 1,25-dihydroxyvitamin D3 receptor with pyridoxal 5'-phosphate from hen intestinal mucosa. Kanda A, et al. **J Steroid Biochem** 1986 Sep;25(3):333–41

METABOLISM

Gestrinone (R2323) binding to steroid receptors in human uterine endometrial cytosol. Tamaya T, et al. **Acta Obstet Gynecol Scand** 1986;65(5):439–41

Evolving concepts in the mechanism of steroid action: current developments. Faber LE, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1449–58

Possible mechanism of steroid action of the plant herb extracts glycyrrhizin, glycyrrhetinic acid, and paeoniflorin: inhibition by plant herb extracts of steroid protein binding in the rabbit. Tamaya T, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):1134–9

Mineralocorticoid specificity of renal type I receptors: in vivo binding studies. Sheppard K, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 1):E224–9

Resolution of steroid binding heterogeneity by Fourier-derived affinity spectrum analysis (FASA). Mechanick JI, et al. **Anal Biochem** 1986 Sep;157(2):221–35

Cleavage of the rat intestinal 1,25-dihydroxyvitamin D3 receptor by an endogenous protease to a form with defective DNA binding. Hirst M, et al. **Arch Biochem Biophys** 1986 Oct;250(1):153–61

Activation of mineralocorticoid agonist and antagonist specific receptors from rat kidney. Agarwal MK, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):398–402

Monoclonal antibodies to the porcine intestinal receptor for 1,25-dihydroxyvitamin D3: interaction with distinct receptor domains. Dame MC, et al. **Biochemistry** 1986 Aug 12;25(16):4523–34

Identification of the 90 kDa substrate of rat liver type II casein kinase with the heat shock protein which binds steroid receptors. Dougherty JJ, et al. **Biochim Biophys Acta** 1987 Jan 19;927(1):74–80

Newly discovered activities for calcitriol (1,25-dihydroxyvitamin D3): implications for future pharmacoiogical use. Simpson RU, et al. **Bioessays** 1986 Feb;4(2):65–70

Hormone receptor studies in axillary metastases from occult breast cancers. Bhatia SK, et al. **Cancer** 1987 Mar 15; 59(6):1170–2

The determination of mineralocorticoid receptors in human mononuclear leukocytes from patients with mineralocorticoid excess: physiological and pathological implications. Armanini D, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):781–5

Cytology and hormonal receptors in breast cancer. Lampertico P, et al. **Diagn Cytopathol** 1987 Mar;3(1):17–23

1,25-dihydroxyvitamin D3 receptors and hormonal responses in cloned human skeletal muscle cells. Costa EM, et al. **Endocrinology** 1986 Nov;119(5):2214–20

Measurement of 1,25-dihydroxyvitamin D3 receptor turnover by dense amino acid labeling: changes during receptor up-regulation by vitamin D metabolites. Costa EM, et al. **Endocrinology** 1987 Mar;120(3):1173–8

Activation of the rat kidney mineralocorticoid receptor. Eisen LP, et al. **Endocrinology** 1986 Oct;119(4):1419–26

Oestradiol and testosterone binding sites in mice tibiae and their relationship with bone growth. Lopez A, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):31–8

The nature and development of steroid hormone receptors. Gorski J. **Experientia [Suppl]** 1987;53:67–78 (51 ref.)

Autoradiographic studies with 3H 1,25 dihydroxyvitamin D3 in thyroid and associated tissues of the neck region. Stumpf WE, et al. **Histochemistry** 1987;87(1):53–8

Immunochemical detection of unique proteolytic fragments of the chick 1,25-dihydroxyvitamin D3 receptor. Distinct 20-kDa DNA-binding and 45-kDa hormone-binding species. Allegretto EA, et al. **J Biol Chem** 1987 Jan 25; 262(3):1312–9

Salt-induced activation of 1,25-dihydroxyvitamin D3 receptors to a DNA binding form. Hirst M, et al. **J Biol Chem** 1987 May 25;262(15):7072–5

A new affinity matrix for mineralocorticoid receptors. Lombes M, et al. **J Biol Chem** 1987 Jun 15;262(17):8121–7

Ligand-dependent regulation of the 1,25-dihydroxyvitamin D3 receptor in rat osteosarcoma cells [published erratum appears in J Biol Chem 1987 Jul 25;262(21):10413] Pan LC, et al. **J Biol Chem** 1987 Apr 5;262(10):4670–5

Regulation of calbindin-D28K gene expression by 1,25-dihydroxyvitamin D3 is correlated to receptor occupancy. Theofan G, et al. **J Biol Chem** 1986 Dec 25; 261(36):16943–7

Interaction of new 19 nor progesterone derivatives with progestagen, mineralocorticoid and glucocorticoid cytosolic receptors. Botella J, et al. **J Pharmacol** 1986 Oct-Dec;17(4):699–706

Identification of a mineralocorticoid receptor binding substance in the urine of patients with congenital adrenal hyperplasia. Land M, et al. **J Steroid Biochem** 1987 Feb; 26(2):207–11

Characterization of steroid receptors in the gut and kidney of the frog (Rana catesbeiana) and in the gut of the turtle (Chrysemys picta). Mehi AZ, et al. **J Steroid Biochem** 1987 May;26(5):627–39

Medroxyprogesterone acetate: receptor binding and correlated effects on steroidogenesis in rat granulosa cells. Pridjian G, et al. **J Steroid Biochem** 1987 Mar;26(3):313–9

1,25-Dihydroxyvitamin D3 receptor replenishment in the chicken intestine. Radparvar S, et al. **J Steroid Biochem** 1986 Sep;25(3):291–8

Affinity of corticosteroids for mineralocorticoid and glucocorticoid receptors of the rabbit kidney: effect of steroid substitution. Rafestin-Oblin ME, et al. **J Steroid Biochem** 1986 Oct;25(4):527–34

Retinoic acid-induced changes in 1 alpha,25-dihydroxyvitamin D3 receptor levels in tumor and nontumor cells derived from rat bone. Petkovich PM, et al. **JNCI** 1987 Feb;78(2):265–70

Relationships of the molecular structure of aldosterone derivatives with their binding affinity for mineralocorticoid receptor. Yamakawa M, et al. **Mol Pharmacol** 1986 Dec; 30(6):585–9

Adrenocorticoid receptors in C6 glioma cells: effects on cell growth. Beaumont K. **Neurochem Res** 1987 Aug; 12(8):701–4

Receptor binding of estradiol and testosterone in female rat pituitary. Peryshkova TA, et al. **Neurosci Behav Physiol** 1987 Mar-Apr;17(2):172–5

Specific 1,25-hydroxycholecalciferol receptors and stimulation of 25-hydroxycholecalciferol-24R hydroxylase in human amniotic cells. Delvin EE, et al. **Pediatr Res** 1987 May;21(5):432–5

Corticosteroid binding in human artery. Sasano H, et al. **Tohoku J Exp Med** 1986 Oct;150(2):117–25

Molecular mechanics investigation on side-chain conformations of a 17 alpha-ethyl-17 beta-hydroxy steroid with regard to receptor binding. Bohl M. **Z Naturforsch [C]** 1987 Mar;42(3):221–4

[Structuro-energy factors in steroid-receptor interaction] Kamernitskii AV. **Probl Endokrinol (Mosk)** 1987 Mar-Apr; 33(2):87–94 (55 ref.) **(Rus)**

[Receptor binding of estradiol and testosterone in the pituitary of female rats] Peryshkova TA, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):41–4 **(Rus)**

[Similar mechanisms of action of steroid hormones, vitamin D, thyroid hormone and an oncogen, v-erbA] Carlstedt-Duke J, et al. **Lakartidningen** 1987 Apr 8; 84(15):1254–7 (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Hippocampal and renal type I receptors are differentially regulated. Stephenson G, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):E525–9

C-terminal proteolysis of the avian 1,25-dihydroxyvitamin D3 receptor. Allegretto EA, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):479–85

1,25-Dihydroxyvitamin D3 inhibits the clonogenic growth of transformed cells via its receptor. Haussler CA, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):136–43

Mechanism of steroid hormone action. Parker MG. **Cancer Surv** 1986;5(3):625–33 (38 ref.)

The role of arterial mineralocorticoid receptors in the mechanism of hypertension: findings and hypothesis. Kornel L, et al. **Clin Biochem** 1987 Apr;20(2):113–20

Molecular basis of endocrine-responsive cancers. Wittliff JL. **Clin Physiol Biochem** 1987;5(3-4):160–78

1,25-Dihydroxycholecalciferol receptor regulation in hormonally induced differentiation of mouse mammary gland in culture. Mezzetti G, et al. **Endocrinology** 1987 Jun; 120(6):2488–93

Partial overlapping of binding sequences for steroid hormone receptors and DNaseI hypersensitive sites in the rabbit uteroglobin gene region. Jantzen K, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4535–52

Developmental and hormonal regulation of neuroendocrine gene transcription. Rosenfeld MG, et al. **Recent Prog Horm Res** 1987;43:499–534 (145 ref.)

Control of gene expression by steroid hormones. Béchet D. **Reprod Nutr Dev** 1986;26(5A):1025–55 (254 ref.)

Adrenal steroids: new answers, new questions. Funder JW. **Science** 1987 Jul 17;237(4812):236–7

[Hypothalamic receptors of sex hormones in the mechanism of the sexual differentiation of the brain in rats] Babichev

VN, et al. **Zh Evol Biokhim Fiziol** 1987 Mar–Apr; 23(2):216–23 (Eng. Abstr.) **(Rus)**

RECEPTORS, STRETCH see **MECHANORECEPTORS**

RECEPTORS, SYNAPTIC see **SYNAPTIC RECEPTORS**

RECEPTORS, THYROID HORMONE

Molecular size of the nuclear thyroid hormone receptor. Sheer DG, et al. **Biochim Biophys Acta** 1987 Aug 19; 930(1):101–6

A thyromimetic that decreases plasma cholesterol levels without increasing cardiac activity. Underwood AH, et al. **Nature** 1986 Dec 4–10;324(6096):425–9

ANALYSIS

Ontogenesis of nuclear T3 receptors in primary cultured astrocytes and neurons. Luo M, et al. **Brain Res** 1986 Sep 3;381(2):275–80

Decrease in triiodothyronine binding sites in chick embryo erythrocytes during early development. Dasmahapatra AK, et al. **Dev Biol** 1987 Apr;120(2):412–7

Putative thyroid hormone receptors in red blood cells of some reptiles. Wong CC, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):434–40

Characterization of nuclear thyroid hormone receptors of cultured skin fibroblasts from patients with resistance to thyroid hormone. Ichikawa K, et al. **Metabolism** 1987 Apr; 36(4):392–9

Thyroid hormone receptors in a human hepatoma cell line: multiple receptor forms on isoelectric focusing. Ichikawa K, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):135–43

Triiodothyronine (T3) nuclear binding sites in human placenta and decidua. Banovac K, et al. **Placenta** 1986 Nov–Dec;7(6):543–9

BIOSYNTHESIS

The modulation by 3,5,3'-triiodothyronine (T3) of pituitary T3 nuclear receptors in hypothyroid rats is inhibited by cycloheximide. Lemarchand-Béraud T, et al. **Endocrinology** 1987 Aug;121(2):677–83

GENETICS

Sequence of membrane-associated thyroid hormone binding protein from bovine liver: its identity with protein disulphide isomerase. Yamauchi K, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1485–92

The nucleotide sequence of a human cellular thyroid hormone binding protein present in endoplasmic reticulum. Cheng SY, et al. **J Biol Chem** 1987 Aug 15;262(23):11221–7

The c-erb-A protein is a high-affinity receptor for thyroid hormone. Sap J, et al. **Nature** 1986 Dec 18–31; 324(6098):635–40

The c-erb-A gene encodes a thyroid hormone receptor. Weinberger C, et al. **Nature** 1986 Dec 18–31; 324(6098):641–6

Identification of a novel thyroid hormone receptor expressed in the mammalian central nervous system. Thompson CC, et al. **Science** 1987 Sep 25;237(4822):1610–4

IMMUNOLOGY

Extrathyroidal synthesis and biologic action of thyroid receptor antibody (TRAb) in Graves' disease. Paschke R, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:352–4

Antibody against nuclear thyroid hormone receptors. Ichikawa K, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):178–84

ISOLATION & PURIFICATION

Physicochemical properties of the triiodothyronine nuclear receptor from tadpole liver, intestine and tail fin. Jaffe RC. **Mol Cell Endocrinol** 1987 Jul;52(1–2):137–42

Purification and characterization of rat liver nuclear thyroid hormone receptors. Ichikawa K, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3420–4

METABOLISM

Relationship between the increase in liver nuclear triiodothyronine-receptor sites and malic enzyme activation by dexamethasone. Recúpero AR, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(2):93–103

Triiodothyronine receptors in porcine granulosa cells. Wakim NG, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):237–40

Brown fat nuclear triiodothyronine receptors in rats. Bürgi U, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E503–8

Nuclear triiodothyronine receptor binding characteristics and occupancy in obese (ob/ob) mice. Hillgartner FB, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E414–9

Thyroid hormone receptors in human breast cancer: effect of thyroxine administration. Alvarado-Pisani AR, et al. **Anticancer Res** 1986 Nov–Dec;6(6):1347–51

Characterization of a membrane-associated 3,3',5-triiodo-L-thyronine binding protein by use of monoclonal antibodies. Hasumura S, et al. **Biochemistry** 1986 Dec 2;25(24):7881–8

Modification of L-triiodothyronine binding sites from rat erythrocyte membrane by heating and by proteinase treatments. Angel RC, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):488–94

The effects of postoperative factors on serum thyroid hormones and rat liver nuclear 3,5,3'-triiodothyronine receptor concentrations in surgical models of uremia and regenerating liver. Barsano CP, et al. **Endocrinology** 1987 Apr;120(4):1354–60

Nuclear 3,5,3'-triiodothyronine (T3) in brown adipose tissue: receptor occupancy and sources of T3 as determined by in vivo techniques. Bianco AC, et al. **Endocrinology** 1987 Jan;120(1):55–62

Differences in nuclear triiodothyronine binding in rat brain cells suggest phylogenetic specialization of neuronal functions. Gullo D, et al. **Endocrinology** 1987 Jun; 120(6):2398–403

Triiodothyronine binding in adult rat brain: compartmentation of receptor populations in purified neuronal and glial nuclei. Gullo D, et al. **Endocrinology** 1987 Jan;120(1):325–31

Nuclear 3,5,3'-triiodothyronine receptor occupancy, phosphoenolpyruvate carboxykinase (PEPck) messenger ribonucleic acid levels and PEPck enzyme activity in rat liver. Hartong R, et al. **Endocrinology** 1987 Jun; 120(6):2460–7

Modification of deoxyribonucleic acid–thyroid hormone receptor interaction by histones. Ichikawa K, et al. **Endocrinology** 1987 Sep;121(3):893–9

Diabetes decreases liver and kidney nuclear 3,5,3'-triiodothyronine receptors in rats. Jolin T. **Endocrinology** 1987 May;120(5):2144–51

Epidermal growth factor decreases thyroid hormone receptors and attenuates thyroid hormone responses in GH4C1 cells. Kaji H, et al. **Endocrinology** 1987 Feb; 120(2):537–43

Identification and characterization of L-triiodothyronine receptors in cells of glial and neuronal origin. Ortiz-Caro J, et al. **Endocrinology** 1986 Nov;119(5):2163–7

Steady state model of 3,5,3'-triiodothyronine transport in liver predicts high cellular exchangeable hormone concentration relative to in vitro free hormone concentration. Pardridge WM, et al. **Endocrinology** 1987 Mar;120(3):1059–68

Effects of iopanoic acid on thyroid hormone receptor, growth hormone production, and triiodothyronine generation from thyroxine in pituitary GH1 cells. Pascual A, et al. **Endocrinology** 1987 Mar;120(3):1089–96

Triiodothyronine (T3)-induced down-regulation of the nuclear T3 receptor in mouse preadipocyte cell lines. Pou MA, et al. **Endocrinology** 1986 Nov;119(5):2360–7

The rate of appearance of thyroid hormone nuclear receptor is increased during deoxyribose nucleic acid synthesis in GC cells: analysis of thymidine-treated GC cells using dense amino acid labeling. Shapiro LE, et al. **Endocrinology** 1986 Nov;119(5):2076–81

An analysis of the interrelationship of nuclear and plasma triiodothyronine in the sea lamprey, lake trout, and rat: evolutionary considerations. Weirich RT, et al. **Endocrinology** 1987 Feb;120(2):664–77

Altered interaction between triiodothyronine and its nuclear receptors in absence of cortisol: a proposed mechanism for increased thyrotropin secretion in corticosteroid deficiency states. De Nayer P, et al. **Eur J Clin Invest** 1987 Apr; 17(2):106–10

Nuclear receptors for L-triiodothyronine in trout erythrocytes. Sullivan CV, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):149–60

Interaction of amiodarone and desethylamiodarone with solubilized nuclear thyroid hormone receptors. Latham KR, et al. **J Am Coll Cardiol** 1987 Apr;9(4):872–6

Separation of DNA binding domain from hormone and core histone binding domains by trypsin digestion of rat liver nuclear thyroid hormone receptor. Ichikawa K, et al. **J Biol Chem** 1986 Dec 15;261(35):16540–6

A cellular 3,3',5-triiodo-L-thyronine binding protein from a human carcinoma cell line. Purification and characterization. Kitagawa S, et al. **J Biol Chem** 1987 Mar 15;262(8):3903–8

n-Butyrate increases the level of thyroid hormone nuclear receptor in non-pituitary cultured cells. Mitsuhashi T, et al. **J Biol Chem** 1987 Mar 25;262(9):3993–9

Modulation of thyroid hormone nuclear receptors by short-chain fatty acids in glial C6 cells. Role of histone acetylation. Ortiz-Caro J, et al. **J Biol Chem** 1986 Oct 25; 261(30):13997–4004

Familial generalized resistance to thyroid hormones: report of three kindreds and correlation of patterns of affected tissues with the binding of [125I] triiodothyronine to fibroblast nuclei. Magner JA, et al. **J Endocrinol Invest** 1986 Dec;9(6):459–70

Polychlorinated biphenyls and related compound interactions with specific binding sites for thyroxine in rat liver nuclear extracts. McKinney J, et al. **J Med Chem** 1987 Jan; 30(1):79–86

Down-regulation of thyroid hormone nuclear receptor levels by L-triiodothyronine in cultured glial C6 cells. Ortiz-Caro J, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):255–63

Thyroid hormone receptor binds to a site in the rat growth hormone promoter required for induction by thyroid hormone. Koenig RJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5670–4

[The syndrome of tissue resistance to thyroid hormones] Linquette M. **Presse Med** 1987 Jun 27;16(25):1234–8 (Eng. Abstr.) **(Fre)**

[Interaction of hormone-receptor complexes from normal and tumorous tissues with DNA and their effect on the RNA polymerase activity of isolated nuclei] Adylova AT, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):69–72 (Eng. Abstr.) **(Rus)**

[Similar mechanisms of action of steroid hormones, vitamin D, thyroid hormone and an oncogen, v-erbA] Carlstedt-Duke J, et al. **Lakartidningen** 1987 Apr 8; 84(15):1254–7 (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Thyroid hormone stimulates alkaline phosphatase activity in cultured rat osteoblastic cells (ROS 17/2.8) through 3,5,3'-triiodo-L-thyronine nuclear receptors. Sato K, et al. **Endocrinology** 1987 May;120(5):1873–81

Ontogenesis of triiodothyronine nuclear receptors in three skeletal muscles in male and female chicks. Dainat J, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):479–84

Thyroid hormone receptors bind to defined regions of the growth hormone and placental lactogen genes. Barlow JW, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9021–5

[Is the brain unresponsive to thyroid hormones?] Wang X, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Oct;17(4):371–3 (17 ref.) **(Chi)**

RECEPTORS, THYROTROPIN

The TSH receptor: structure and interaction with autoantibodies in thyroid disease. Furmaniak J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:157–65

ANALYSIS

Characterization of monoclonal antibodies directed against the TSH receptor, as revealed with the cytochemical bioassay. Marshall NJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:173–80

[Anti-receptor antibodies of thyrotropin hormone in autoimmune hypothyroidism (letter)] Heshmati HM, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1376 **(Fre)**

BIOSYNTHESIS

The role of Ca2+ in hormonal imprinting of the Tetrahymena. Kovács P, et al. **Acta Physiol Hung** 1987; 69(2):167–79

DRUG EFFECTS

Effect of ethyl alcohol on the TSH-receptor-cyclase system in thyroid and nonthyroid tissues. Clark OH, et al. **World J Surg** 1986 Oct;10(5):787–96

IMMUNOLOGY

Immunity in Graves' disease at diagnosis: correlation between activated T cells and humoral immune factors. Di Mario U, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):493–9

Direct immunostaining of TSH receptor related autoantibodies in Graves' disease. Sellschopp C, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):132–7

Graves' autoantibodies to extrathyroidal TSH receptor: their role in ophthalmopathy and pretibial myxedema. Rotella CM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:344–7

Do HLA-DR-typing and measurement of TSH-receptor antibodies help in the prediction of the clinical course of Graves' thyrotoxicosis after antithyroid drug treatment? Schleusener H, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:318–24

Maternal TSH-receptor antibodies and TSH antibodies in screening for congenital hypothyroidism. Karlsson FA, et al. **Acta Paediatr Scand** 1986 Sep;75(5):756–61

Monoclonal antibody studies defining the origin and properties of autoantibodies in Graves' disease. Kohn LD, et al. **Ann NY Acad Sci** 1986;475:157–73

Choice of immunoglobulin G purification method in assays for antibodies to the thyrotropin receptor. Brown RS, et al. **Clin Chem** 1986 Nov;32(11):2034–9

TSH receptor antibody induction of thyroglobulin release from human thyroid cell monolayers. Feldman A, et al. **Clin Endocrinol (Oxf)** 1986 Jul;25(1):45–53

The ability of the serum thyrotrophin receptor antibody (TRAb) index and HLA status to predict long-term remission of thyrotoxicosis following medical therapy for Graves' disease. Wilson R, et al. **Clin Endocrinol (Oxf)** 1986 Aug;25(2):151–6

The 1985 Eastern Section AFCR Young Investigator award. Graves' disease: studies concerning TSH-receptor antibody formation and action. Burman KD. **Clin Res** 1986 Sep; 34(3):432–7

Binding of immunoglobulin G from patients with autoimmune thyroid diseases to solubilized guinea pig fat cell membranes crosslinked with 125I-TSH. Iida Y, et al. **Endocrinol Jpn** 1986 Jun;33(3):333–43

Demonstration by immunoblotting of heterogeneity in the autoantibody response directed against fat cells in Graves' disease. Weetman AP, et al. **FEBS Lett** 1987 Jan 19; 211(1):69–72

Novel separation method for serum immunoglobulins. Application to thyroid related antibodies. Worthington J, et al. **FEBS Lett** 1987 Jan 26;211(2):123–6

Expression of HLA-DR antigens by thyroid cells: the effect of Graves' IgG. Bodolay E, et al. **Immunol Lett** 1987 May; 15(1):77–81

Auto-anti-idiotype: a basis for autoimmunity and a strategy

for anti-receptor antibodies. Erlanger BF, et al. **Immunol Rev** 1986 Dec;94:23–37

Use of anti-idiotypic antibodies as probes for the interaction of TSH subunits with its receptor. Briones-Urbina R, et al. **J Cell Biochem** 1987 Jul;34(3):151–62

Heterogeneity of Graves' immunoglobulin G: comparison of thyrotropin receptor antibodies in serum and in culture supernatants of lymphocytes transformed by Epstein-Barr virus infection. Yokoyama N, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):215–8

Juvenile Graves disease: usefulness and limitations of thyrotropin receptor antibody determinations. Foley TP Jr, et al. **J Pediatr** 1987 Mar;110(3):378–86

Further evaluation of an immunoprecipitation assay for TSH-receptor autoantibodies in Graves' disease. De Bruin TW, et al. **Metabolism** 1986 Dec;35(12):1101–5

Antibodies to the thyroid gland and to the thyrotrophin receptor in African and Indian thyrotoxic patients. Desai RK, et al. **Postgrad Med J** 1986 Sep;62(731):837–9

TSH receptor antibody in autoimmune thyroiditis and its clinical significance. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Aug;85(8):748–54

[Prognostic value of anti-TSH receptor antibodies in Basedow's disease treated with carbimazole] Duprey J, et al. **Ann Med Interne (Paris)** 1986;137(7):555–8 (Eng. Abstr.) **(Fre)**

[Anti-thyrotropin-receptor antibodies in Basedow's disease. Correlations with in vitro and in vivo parameters (letter)] Heshmati HM, et al. **Presse Med** 1986 Dec 20;15(45):2253–4 **(Fre)**

[Studies on monoclonal antibodies to TSH receptors—heterogeneity and pathophysiological significance of antibodies to TSH receptor] Yoshida T. **Nippon Naibunpi Gakkai Zasshi** 1986 Dec 20; 62(12):1384–99 (Eng. Abstr.) **(Jpn)**

[Thyrotropin-binding inhibitory immunoglobulins G in thyroid gland cells in patients with Graves-Basedow disease. II. Various methodologic aspects of their analysis] Faryna M. **Endokrynol Pol** 1986;37(4):153–61 (Eng. Abstr.) **(Pol)**

[Thyrotropin-binding inhibitory immunoglobulins G in thyroid gland cells in patients with Graves-Basedow disease. Clinical studies] Nauman J, et al. **Endokrynol Pol** 1986;37(4):143–52 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Isoelectric focusing of the human TSH receptor A subunit. Hashim FA, et al. **Biosci Rep** 1986 Jul;6(7):685–9

METABOLISM

TSH binding proteins in rat and human serum. Spira O, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):497–506

About the porcine TSH receptor. Farid NR, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:181–5

Inhomogenous TSH-binding in functional and proliferative thyroid disorders: evidence for different membrane characteristics, TSH-receptor capping and TSH-receptor presentation on the inner surface of the follicular epithelium. Müller-Gärtner HW, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:193–8

Properties of thyrotropin receptor on cloned hybrid human thyroid cells. Rémy JJ, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:186–92

Further studies on the covalent crosslinking of thyrotropin to its receptor: evidence that both the alpha and beta subunits of thyrotropin are crosslinked to the receptor. McQuade R, et al. **Arch Biochem Biophys** 1987 Feb 1; 252(2):409–17

Interaction of the thyrotropin receptor on rat FRTL-5 thyroid cells with thyrotropin and a thyrotropin-stimulating autoantibody from Graves' patients. Bartalena L, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):266–72

The subunit structure of the thyrotropin receptor. Rees Smith B, et al. **Biochem Soc Trans** 1987 Feb;15(1):51–5

Inhibition of TSH binding to chicken thyroid by some cases of LATS (long acting thyroid stimulator). Nakajima Y, et al. **Endocrinol Jpn** 1986 Jun;33(3):375–83

The role of subunit sialic acid in the thyrotropic and gonadotropic activities of human chorionic gonadotropin. Amir SM, et al. **Endocrinology** 1987 Jul;121(1):160–6

Photoaffinity labelling of the TSH receptor on FRTL5 cells. Furmaniak J, et al. **FEBS Lett** 1987 May 11;215(2):316–22

Assessment of the shape and molecular size of TSH-TSH receptor complexes. Furmaniak J, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):31–8

Binding, overlap and internalization of colloidal-gold-labeled gonadotropin and thyrotropin in testicle and ovary cell cultures. Gruszczynska M, et al. **Z Mikrosk Anat Forsch** 1987;101(2):281–7

[Interactions of thyrotropin and prostaglandins E2 with receptors and their effect on the cAMP levels in human thyroid tissue] Rom-Bugoslovskaia ES, et al. **Probl Endokrinol (Mosk)** 1987 Jan-Feb;33(1):32–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

TSH receptor structure. Chan J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:166–72

The carbohydrate moiety of bovine thyrotropin is essential for full bioactivity but not for receptor recognition. Amir SM, et al. **Endocrinology** 1987 Jan;120(1):345–52

RECEPTORS, TRANSFERRIN

see related
CARRIER PROTEINS

The structure, function, and regulation of transferrin receptors. Ward JH. **Invest Radiol** 1987 Jan;22(1):74–83 (134 ref.)

Structure of transferrin and transferrin receptor. Kohgo Y. **Nippon Ketsueki Gakkai Zasshi** 1986 Dec;49(8):1627–34 (35 ref.)

ANALYSIS

Effects of different transferrin forms on transferrin receptor expression, iron uptake, and cellular proliferation of human leukemic HL60 cells. Mechanisms responsible for the specific cytotoxicity of transferrin-gallium. Chitambar CR, et al. **J Clin Invest** 1986 Dec;78(6):1538–46

Proposed relation between expression of interleukin-2 and transferrin receptors in B lymphocyte chronic lymphocytic leukaemia [letter] Barnett D, et al. **J Clin Pathol** 1987 Jul; 40(7):814

DNA flow cytometry of human breast carcinomas and its relationship to transferrin and epidermal growth factor receptors. Walker RA, et al. **J Pathol** 1986 Sep;150(1):37–42

Role of target and effector cell structures in natural killer-mediated cytotoxicity. Tazzari PL, et al. **Ric Clin Lab** 1986 Jul-Sep;16(3):443–7

Enumeration of transferrin-receptor-expressing lymphocytes as a potential marker for rejection in human cardiac transplant recipients. Mohanakumar T, et al. **Transplantation** 1986 Dec;42(6):691–4

Transferrin receptor (TrfR) expression in breast carcinoma and its possible relationship to prognosis. An immunohistochemical study. Wrba F, et al. **Virchows Arch [A]** 1986;410(1):69–73

[Interrelation between transferrin receptor expression and intracellular ferritin concentration in leukemia cells and normal marrow cells] Rhyner K, et al. **Schweiz Med Wochenschr** 1986 Oct 25;116(43):1484–7 (Eng. Abstr.) **(Ger)**

[Immunohistochemistry of alpha-lactalbumin, lactoferrin and trans- ferrin receptor in invasive breast carcinomas with regard to tumor grading, estrogen receptor status and tumor staging] Wrba F, et al. **Verh Dtsch Ges Pathol** 1986; 70:247–50 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Expression of transferrin receptors in human erythroleukemic lines: regulation in the plateau and exponential phase of growth. Testa EP, et al. **Cancer Res** 1986 Oct;46(10):5330–4

Functional expression of the human transferrin receptor cDNA in Chinese hamster ovary cells deficient in endogenous transferrin receptor. McGraw TE, et al. **J Cell Biol** 1987 Jul;105(1):207–14

Regulation of lymphokine production and human T lymphocyte activation by 1,25-dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659–64

Differential regulation of transferrin receptor gene expression in human hemopoietic cells: molecular and cellular aspects. Testa U, et al. **J Recept Res** 1987;7(1–4):355–75

DRUG EFFECTS

The effect of desferrioxamine on transferrin receptors, the cell cycle and growth rates of human leukaemic cells. Bomford A, et al. **Biochem J** 1986 May 15;236(1):243–9

Cisplatin induces modulation of transferrin receptor during cellular differentiation in vitro [letter] Tonini GP, et al. **Cancer Chemother Pharmacol** 1986;18(1):92

Cyclosporine inhibits the expression of receptors for interleukin 2 and transferrin on mitogen-activated human T lymphocytes. Prince HE, et al. **Immunol Invest** 1986 Aug; 15(5):463–72

Alteration of macrophage anti-tumor activity and transferrin receptor expression by exposure to dimethylnitrosamine in vivo. Myers MJ, et al. **Immunopharmacology** 1987 Jun; 13(3):195–205

GENETICS

Transferrin receptor expression and the control of cell growth. Neckers LM, et al. **Cancer Invest** 1986;4(5):461–70

Altered expression of beta-globin, transferrin receptor, and ornithine decarboxylase in Friend murine erythroleukemia cells inhibited by alpha-difluoromethylornithine. Klinken SP, et al. **Cancer Res** 1987 May 15;47(10):2638–44

Endocytosis of the transferrin receptor requires the cytoplasmic domain but not its phosphorylation site. Rothenberger S, et al. **Cell** 1987 May 8;49(3):423–31

Protein interactions at the transferrin receptor gene promoter. Miskimins WK, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:725–9

Studies on transferrin receptor expression in mouse plasmacytoma cells. Neckers LM, et al. **Curr Top Microbiol Immunol** 1986;132:148–52

Identification of the intermolecular disulfide bonds of the human transferrin receptor and its lipid-attachment site. Jing SQ, et al. **EMBO J** 1987 Feb;6(2):327–31

Noncoding 3' sequences of the transferrin receptor gene are required for mRNA regulation by iron. Owen D, et al. **EMBO J** 1987 May;6(5):1287–93

Transferrin messenger ribonucleic acid: molecular cloning and hormonal regulation in rat Sertoli cells. Huggenvik JI, et al. **Endocrinology** 1987 Jan;120(1):332–40

Selection and characterization of transferrin receptor mutants using receptor-specific antibodies. Lesley J, et al. **Immunogenetics** 1986;24(3):163–70

Cell proliferation and expression of the transferrin receptor gene: promoter sequence homologies and protein interactions. Miskimins WK, et al. **J Cell Biol** 1986 Nov; 103(5):1781–8

Diltiazem inhibits transferrin receptor expression and causes G1 arrest in normal and neoplastic T cells. Neckers LM, et al. **Mol Cell Biol** 1986 Dec;6(12):4244–50

Transcriptional regulation by iron of the gene for the transferrin receptor. Rao K, et al. **Mol Cell Biol** 1986 Jan; 6(1):236–40

Transcriptional inactivation of c-myc and the transferrin receptor in dibutyryl cyclic AMP-treated HL-60 cells. Trepel JB, et al. **Mol Cell Biol** 1987 Jul;7(7):2644–8

IMMUNOLOGY

Antitumor activity of an immunotoxin in a nude mouse model of human ovarian cancer. FitzGerald DJ, et al. **Cancer Res** 1987 Mar 1;47(5):1407–10

Effects of monoclonal anti-transferrin receptor antibodies on in vitro growth of human solid tumor cells. Taetle R, et al. **Cancer Res** 1987 Apr 15;47(8):2040–4

Early activation marker expression to detect impaired proliferative responses to pokeweed mitogen and tetanus toxoid: studies in patients with AIDS and related disorders. Prince HE, et al. **Diagn Immunol** 1986;4(6):306–11

Mouse fibroblasts that express a cloned gene for the human transferrin receptor induce a specific cytolytic T cell response. Maryanski JL, et al. **Eur J Immunol** 1987 Mar; 17(3):441–3

Inhibition of gallium-67 uptake in melanoma by an anti-human transferrin receptor monoclonal antibody. Chan SM, et al. **J Nucl Med** 1987 Aug;28(8):1303–7

Transferrin receptors on tumor and bone marrow cells: lack of involvement as target structure for natural killer cells. Rieber EP, et al. **Klin Wochenschr** 1986 Oct 31; 64(21):1119–23

ISOLATION & PURIFICATION

Improved purification of the human placental transferrin receptor and a novel immunoradiometric assay for receptor protein. Anderson GJ, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):225–33

Isolation of the rat transferrin receptor by affinity chromatography. Rudolph JR, et al. **J Chromatogr** 1987 Jun 19;396:369–73

Identification of the parasite transferrin receptor of Plasmodium falciparum-infected erythrocytes and its acylation via 1,2-diacyl-sn-glycerol. Haldar K, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8565–9

METABOLISM

Transferrin-mediated cellular iron uptake. Irie S, et al. **Am J Med Sci** 1987 Feb;293(2):103–11 (103 ref.)

Expression of transferrin receptors is unrelated to proliferative status in cultured human colon cancer cells. Drewinko B, et al. **Anticancer Res** 1987 Mar-Apr; 7(2):139–41

Receptors for transferrin and transcobalamin II display segregated distribution on microvilli of leukemia L1210 cells. Kishimoto T, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1102–8

Protein kinase C does not phosphorylate the externalized form of the transferrin receptor. Adam MA, et al. **Biochem J** 1987 Feb 15;242(1):151–61

Comparative development of the pyruvate dehydrogenase complex and citrate synthase in rat brain mitochondria. Malloch GD, et al. **Biochem J** 1986 Sep 15;238(3):729–36

Mitogenic agents induce redistribution of transferrin receptors from internal pools to the cell surface. Ward DM, et al. **Biochem J** 1986 Sep 15;238(3):721–8

Transferrin receptors of isolated rat seminiferous tubules bind both rat and human transferrin. Wauben-Penris PJ, et al. **Biol Reprod** 1986 Dec;35(5):1227–34

Distribution of transferrin receptors in the cellular components of the liver [letter] Tavassoli M, et al. **Blood** 1987 Sep;70(3):887–9

Heterogeneous distribution of transferrin receptors on parenchymal and nonparenchymal liver cells: biochemical and morphological evidence. Vogel W, et al. **Blood** 1987 Jan;69(1):264–70

Circulating transferrin receptor in human serum. Kohgo Y, et al. **Br J Haematol** 1986 Oct;64(2):277–81

Immunocytochemical distribution of transferrin and its receptor in the developing chicken nervous system. Oh TH, et al. **Brain Res** 1986 Dec;395(2):207–20

Uptake of gallium-67 by human leukemic cells: demonstration of transferrin receptor-dependent and transferrin-independent mechanisms. Chitambar CR, et al. **Cancer Res** 1987 Aug 1;47(15):3929–34

A trans Golgi-derived exocytic coated vesicle can contain both newly synthesized cholinesterase and internalized transferrin. Fishman JB, et al. **Cell** 1987 Jan 16;48(1):157–64

Foreign transmembrane peptides replacing the internal signal

sequence of transferrin receptor allow its translocation and membrane binding. Zerial M, et al. **Cell** 1987 Jan 16; 48(1):147–55

Bacteriocin receptors on malignant mammalian cells: are they transferrin receptors? Farkas-Himsley H, et al. **Cell Mol Biol** 1986;32(5):607–17

Levels and patterns of 125I-labeled transferrin binding in mouse embryonic teeth and kidneys at various developmental stages. Partanen AM, et al. **Differentiation** 1987;34(1):18–24

Transferrin receptors and transferrin iron uptake by cultured human blood monocytes. Baynes R, et al. **Eur J Cell Biol** 1987 Jun;43(3):372–6

Receptor-mediated endocytosis of transferrin and ferritin by guinea-pig reticulocytes. Uptake by a common endocytic pathway. Blight GD, et al. **Eur J Cell Biol** 1987 Apr; 43(2):260–5

The influence of coupling transferrin to liposomes or minibeads on its uptake and fate in leukemic L2C cells. Vidal M, et al. **FEBS Lett** 1987 May 25;216(1):159–63

Transferrin receptors and natural killer cell lysis. A study using Colo 205 cells exposed to 60 Hz electromagnetic fields. Phillips JL. **Immunol Lett** 1986 Nov 3;13(6):295–9

Selective externalization of an ATP-binding protein structurally related to the clathrin-uncoating ATPase/heat shock protein in vesicles containing terminal transferrin receptors during reticulocyte maturation. Davis JQ, et al. **J Biol Chem** 1986 Nov 25;261(33):15368–71

Regulation by phorbol esters of asialoglycoprotein and transferrin receptor distribution and ligand affinity in a hepatoma cell line. Fallon RJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15081–9

Monoclonal antibodies to either domain of ovotransferrin block binding to transferrin receptors on chick reticulocytes. Mason AB, et al. **J Biol Chem** 1987 Jul 5; 262(19):9011–5

Insulin elicits a redistribution of transferrin receptors in 3T3-L1 adipocytes through an increase in the rate constant for receptor externalization. Tanner LI, et al. **J Biol Chem** 1987 Jul 5;262(19):8975–80

Iron metabolism in BeWo chorion carcinoma cells. Transferrin-mediated uptake and release of iron. van der Ende A, et al. **J Biol Chem** 1987 Jun 25;262(18):8910–6

Transferrin receptor polarity and recycling accuracy in "tight" and "leaky" strains of Madin-Darby canine kidney cells. Fuller SD, et al. **J Cell Biol** 1986 Nov;103(5):1767–79

Sorting of endocytosed transferrin and asialoglycoprotein occurs immediately after internalization in HepG2 cells. Snoorvogel W, et al. **J Cell Biol** 1987 May;104(5):1261–8

Phorbol diesters and transferrin modulate lymphoblastoid cell transferrin receptor expression by two different mechanisms. Alcantara O, et al. **J Cell Physiol** 1986 Dec; 129(3):329–35

Disparity between expression of transferrin receptor ligand binding and non-ligand binding domains on human lymphocytes. Boldt DH, et al. **J Cell Physiol** 1987 Aug; 132(2):331–6

Effect of phagocytosis on receptor distribution and endocytic activity in macrophages. Buys SS, et al. **J Cell Physiol** 1987 Jun;131(3):442–9

Transferrin receptor numbers and transferrin and iron uptake in cultured chick muscle cells at different stages of development. Sorokin LM, et al. **J Cell Physiol** 1987 Jun; 131(3):342–53

Transferrin-receptor interaction and iron uptake by reticulocytes of vertebrate animals—a comparative study. Lim BC, et al. **J Comp Physiol [B]** 1987;157(3):363–71

Transferrin receptor expression in normal skin and in various cutaneous tumors. Soyer HP, et al. **J Cutan Pathol** 1987 Feb;14(1):1–5

The immunoregulatory nature of iron. II. Lymphocyte surface marker expression. Bryan CF, et al. **J Leukocyte Biol** 1986 Nov;40(5):589–600

Expression of transferrin receptor on human carcinomas—an immunohistological study. Pastolero GC, et al. **Jpn J Exp Med** 1986 Dec;56(6):271–6

Human blood-brain barrier transferrin receptor. Pardridge WM, et al. **Metabolism** 1987 Sep;36(9):892–5

Transferrin receptors in the basal plasma membrane of the human placental syncytiotrophoblast. Vanderpuye OA, et al. **Placenta** 1986 Sep-Oct;7(5):391–403

Virus expression. EGF and transferrin receptors in human papillomas. Viac J, et al. **Virchows Arch [A]** 1987; 411(1):73–7

PHYSIOLOGY

Expression of MHC class II antigen, interleukin-2 receptor, transferrin receptor and gp 40/80 glycoprotein during different phases of a normal PHA-driven lymphocyte activation in vitro. Konttinen YT, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Oct; 94(5):181–6

Apotransferrin receptors and the delivery of iron from cultured human blood monocytes. Baynes RD, et al. **Am J Hematol** 1987 Aug;25(4):417–25

Erythroblast transferrin receptors and transferrin kinetics in iron deficiency and various anemias. Muta K, et al. **Am J Hematol** 1987 Jun;25(2):155–63

Structure and function of transferrin receptors and their relationship to cell growth. Trowbridge IS, et al. **Biochem Soc Symp** 1986;51:117–29 (66 ref.)

Receptor-mediated endocytosis of transferrin by Sertoli cells of the rat. Morales C, et al. **Biol Reprod** 1986 Sep; 35(2):393–405

Regulation of transferrin receptor expression in myeloid leukemia cells. Taetle R, et al. **Blood** 1987 Sep;70(3):852–9

Effects of monoclonal antibodies that block transferrin receptor function on the in vivo growth of a syngeneic murine leukemia. Sauvage CA, et al. **Cancer Res** 1987 Feb 1;47(3):747–53

Increased expression of the B lymphocyte receptor for transferrin is stimulated by in vivo crosslinking of cell surface IgD. Weber RJ, et al. **Cell Immunol** 1987 Feb; 104(2):400–8

Specific modulation of surface receptors in J.774 macrophages by anchorage. Ventura MA, et al. **Exp Cell Res** 1987 Jun;170(2):290–9

Relevance of transferrin receptors to gynaecological malignancy. Buckshee K, et al. **Indian J Med Res** 1986 Sep;84:292–6

Role of the transferrin receptor in lymphocyte growth: a rat IgG monoclonal antibody against the murine transferrin receptor produces highly selective inhibition of T and B cell activation protocols. Kemp JD, et al. **J Immunol** 1987 Apr 15;138(8):2422–6

A protein on Plasmodium falciparum-infected erythrocytes functions as a transferrin receptor [published erratum appears in Nature 1987 Jan 22–28;325(6102):374] Rodriguez MH, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):388–91

The physiology of transferrin and transferrin receptors. Huebers HA, et al. **Physiol Rev** 1987 Apr;67(2):520–82 (528 ref.)

THERAPEUTIC USE

Potent and specific killing of human malignant brain tumor cells by an anti-transferrin receptor antibody-ricin immunotoxin. Zovickian J, et al. **J Neurosurg** 1987 Jun; 66(6):850–61

RECEPTORS, TRYPTAMINE see **RECEPTORS, SEROTONIN**

RECEPTORS, VIRUS

Human influenza A virus hemagglutinin distinguishes sialyloligosaccharides in membrane-associated gangliosides as its receptor which mediates the adsorption and fusion processes of virus infection. Specificity for oligosaccharides and sialic acids and the sequence to which sialic acid is attached. Suzuki Y, et al. **J Biol Chem** 1986 Dec 25; 261(36):17057–61

ANALYSIS

Autoradiography of lambda binding sites in rat brain. Perry DC, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):147–58

The protein receptor for cholerabacteriophage phi 149. Ray R, et al. **FEBS Lett** 1987 Mar 9;213(1):81–4

Autoradiographic localization of T4 antigen, the HIV receptor, in human brain. Hill JM, et al. **Int J Neurosci** 1987 Feb;32(3–4):687–93

The cellular receptor (CD4) of the human immunodeficiency virus is expressed on neurons and glial cells in human brain. Funke I, et al. **J Exp Med** 1987 Apr 1;165(4):1230–5

Increased expression of Epstein-Barr virus receptor on lymphoblastoid cell lines from subsets of patients with rheumatoid arthritis. Kahan A, et al. **J Rheumatol** 1986 Dec;13(6):1024–7

Anti-idiotypic antibodies to a polyomavirus monoclonal antibody recognize cell surface components of mouse kidney cells and prevent polyomavirus infection. Marriott SJ, et al. **J Virol** 1987 Sep;61(9):2747–53

Receptor-binding characteristics of monoclonal antibody-selected antigenic variants of influenza virus. Underwood PA, et al. **J Virol** 1987 Jan;61(1):206–8

Visualization of cytokine and virus receptors common to the immune and central nervous system. Farrar WL, et al. **Lymphokine Res** 1987 Winter;6(1):29–34

Structure and functions of gp 140, the C3d/EBV receptor (CR2) of human B lymphocytes. Frade R. **Mol Immunol** 1986 Nov;23(11):1249–53

Helper T-cell antigenic site identification in the acquired immunodeficiency syndrome virus gp120 envelope protein and induction of immunity in mice to the native protein using a 16-residue synthetic peptide. Cease KB, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4249–53

Susceptibility to infection by the human immunodeficiency virus (HIV) correlates with T4 expression in a parental monocytoid cell line and its subclones. Asjö B, et al. **Virology** 1987 Apr;157(2):359–65

BIOSYNTHESIS

Expression of the T4 molecule (AIDS virus receptor) by human brain-derived cells. Dewhurst S, et al. **FEBS Lett** 1987 Mar 9;213(1):133–7

BLOOD

Glycophorin is the reovirus receptor on human erythrocytes. Paul RW, et al. **Virology** 1987 Jul;159(1):94–101

DRUG EFFECTS

Diphenylhydantoin (DPH) blocks HIV-receptor on T-lymphocyte surface. Zimmer JP, et al. **Blut** 1986 Dec; 53(6):447–50

Sialidase and protease activities of commercial (RDE) receptor destroying enzyme products used for the (HI) hemagglutination inhibition test of influenza viruses] Nakayama M, et al. **Nippon Ika Daigaku Zasshi** 1986 Oct; 53(5):534–6

[Functional inhibition by cyclosporin A of the lymphocyte receptor for the AIDS virus (HIV)] Klatzmann D, et al. **C R Acad Sci [III]** 1986;303(9):343–8 (Eng. Abstr.) **(Fre)**

[A new principle tested in the treatment of AIDS. A peptide can block cell receptor for HIV] Wetterberg L. **Lakartidningen** 1986 Dec 3;83(49):4189–91 (Eng. Abstr.) **(Ger)**

GENETICS

Cloning of the lambda resistant genes from Brevibacterium albidum and Proteus vulgaris into Escherichia coli. Chae KS, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):1101–5

The T4 glycoprotein is a cell-surface receptor for the AIDS virus. McDougal JS, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:703–11

In vivo selection and characterization of internal deletions in the lamB::lacZ gene fusion. Benson SA, et al. **Gene** 1987; 52(2–3):165–73

Sequence determinants in the lamB gene of Escherichia coli influencing the binding and pore selectivity of maltoporin. Heine HG, et al. **Gene** 1987;53(2–3):287–92

New locus (ttr) in Escherichia coli K-12 affecting sensitivity to bacteriophage T2 and growth on oleate as the sole carbon source. Morona R, et al. **J Bacteriol** 1986 Nov; 168(2):534–40

Kinetic analysis of lamB mutants suggests the signal sequence plays multiple roles in protein export. Stader J, et al. **J Biol Chem** 1986 Nov 15;261(32):15075–80

Mutagenesis by random linker insertion into the lamB gene of Escherichia coli K12. Boulain JC, et al. **MGG** 1986 Nov; 205(2):339–48

Receptor specificity of the short tail fibres (gp12) of T-even type Escherichia coli phages. Riede I. **MGG** 1987 Jan; 206(1):110–5

Transformation of a human poliovirus receptor gene into mouse cells. Mendelsohn C, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7845–9

IMMUNOLOGY

The structure and function of the hemagglutinin membrane glycoprotein of influenza virus. Wiley DC, et al. **Annu Rev Biochem** 1987;56:365–94 (141 ref.)

A strong homology exists between the active T-cell binding gp120 octapeptide of human immunodeficiency virus and the subtilisin cleavage peptide of bovine ribonuclease A. Pincus MR, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):248–51

Autoantibodies against gp140, the Epstein-Barr virus and C3d receptor in sera from rheumatoid arthritis patients. Barel M, et al. **Eur J Immunol** 1986 Nov;16(11):1357–61

Membrane binding and conformational properties of peptides representing the NH2 terminus of influenza HA-2. Lear JD, et al. **J Biol Chem** 1987 May 15;262(14):6500–5

Beta 2 microglobulin enhances the infectivity of cytomegalovirus and when bound to the virus enables class I HLA molecules to be used as a virus receptor. Grundy JE, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):793–803

Anti-receptor antibodies designed to elicit "internal image"-bearing anti-idiotypes: a possible AIDS vaccine. Ludwig DS, et al. **Med Hypotheses** 1987 Jul;23(3):303–7

Monoclonal anti-idiotypic antibody mimics the CD4 receptor and binds human immunodeficiency virus. Chanh TC, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3891–5

Localization of the T4 antigen/AIDS virus receptor in monkey and rat brain: prominence in cortical regions. Hill JM, et al. **Psychopharmacol Bull** 1986;22(3):689–94

Monoclonal antibody to the Epstein-Barr virus receptor induces human B lymphocyte activation and differentiation. Nemerow GR, et al. **Trans Assoc Am Physicians** 1985; 98:290–300

[Study of the hepatitis B virus-neutralizing response in acute infection and in patients vaccinated against the infection] Pontisso P, et al. **Recenti Prog Med** 1986 Nov;77(11):508–10 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Octyl-beta-D-glucopyranoside extracts polyomavirus receptor moieties from the surfaces of mouse kidney cells. Marriott SJ, et al. **J Virol** 1987 Feb;61(2):375–82

Overlay and solid-phase analysis of glycolipid receptors for bacteria and viruses. Karlsson KA, et al. **Methods Enzymol** 1987;138:220–32

Preparation of total nonacid glycolipids for overlay analysis of receptors for bacteria and viruses and for other studies. Karlsson KA. **Methods Enzymol** 1987;138:212–20

A cultured cell receptor for the small S protein of hepatitis B virus. Peeples ME, et al. **Virology** 1987 Sep;160(1):135–42

METABOLISM

Fluorescence photobleaching recovery as a method to quantitate viral envelope-cell fusion: application to study fusion of Sendai virus envelopes with cells. Aroeti B, et

al. **Biochemistry** 1986 Aug 12;25(16):4588–96
The influence of maltoporin affinity on the transport of maltose and maltohexaose into Escherichia coli. Ferenci T, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):319–22
Cell surface receptors for picornaviruses. Colonno RJ. **Bioessays** 1986 Dec;5(6):270–4 (30 ref.)
N-acetyl-9-O-acetylneuraminic acid, the receptor determinant for influenza C virus, is a differentiation marker on chicken erythrocytes. Herrler G, et al. **Biol Chem Hoppe Seyler** 1987 May;368(5):451–4
The action of the Yersinia pestis phage on the plague envelope antigen and the human erythrocytes. Kunikowska D, et al. **Bull Inst Marit Trop Med Gdynia** 1985; 36(1–4):103–15
Delineation of a region of the human immunodeficiency virus type 1 gp120 glycoprotein critical for interaction with the CD4 receptor. Lasky LA, et al. **Cell** 1987 Sep 11; 50(6):975–85
The T4 gene encodes the AIDS virus receptor and is expressed in the immune system and the brain. Maddon PJ, et al. **Cell** 1986 Nov 7;47(3):333–48
Epstein–Barr virus gp350/220 binding to the B lymphocyte C3d receptor mediates adsorption, capping, and endocytosis. Tanner J, et al. **Cell** 1987 Jul 17;50(2):203–13
Activation of B lymphocytes by Epstein–Barr virus/CR2 receptor interaction. Masucci MG, et al. **Eur J Immunol** 1987 Jun;17(6):815–20
Formation and activity of covalent conjugates of poliovirus and ligands binding to cell surface structures. Aarnes CM, et al. **Exp Cell Res** 1987 Jun;170(2):483–90
Selectivity for maltose and maltodextrins of maltoporin, a pore-forming protein of E. coli outer membrane. Dargent B, et al. **FEBS Lett** 1987 Aug 10;220(1):136–42
Membrane carbohydrate requirement for rabies virus binding to chicken embryo related cells. Conti C, et al. **Intervirology** 1986;26(3):164–8
Haptenic oligosaccharides in antigenic variants of mycobacterial C-mycosides antagonize lipid receptor activity for mycobacteriophage D4 by masking a methylated rhamnose. Dhariwal KR, et al. **J Bacteriol** 1986 Oct;168(1):283–93
Bacteriophage lambda receptor site on the Escherichia coli K-12 LamB protein. Gehring K, et al. **J Bacteriol** 1987 May;169(5):2103–6
Shielding of Escherichia coli outer membrane proteins as receptors for bacteriophages and colicins by O-antigenic chains of lipopolysaccharide. van der Ley P, et al. **J Bacteriol** 1986 Oct;168(1):449–51
Analysis of the bond between encephalomyocarditis virus and its human erythrocyte receptor by affinity chromatography on virus–sepharose columns. Allaway GP, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1849–56
Human epithelial cell expression of an Epstein–Barr virus receptor. Sixbey JW, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):805–11
Binding of the human retrovirus HTLV-III/LAV/ARV/HIV to the CD4 (T4) molecule: conformation dependence, epitope mapping, antibody inhibition, and potential for idiotypic mimicry. McDougal JS, et al. **J Immunol** 1986 Nov 1;137(9):2937–44
The membrane glycoprotein of Friend spleen focus-forming virus: evidence that the cell surface component is required for pathogenesis and that it binds to a receptor. Li JP, et al. **J Virol** 1987 Sep;61(9):2782–92
Identification of gp350 as the viral glycoprotein mediating attachment of Epstein–Barr virus (EBV) to the EBV/C3d receptor of B cells: sequence homology of gp350 and C3 complement fragment C3d. Nemerow GR, et al. **J Virol** 1987 May;61(5):1416–20
Inhibition of reovirus type 3 binding to host cells by sialylated glycoproteins is mediated through the viral attachment protein. Pacitti AF, et al. **J Virol** 1987 May;61(5):1407–15
High affinity binding of reovirus type 3 to cells that lack beta adrenergic receptor activity. Sawutz DG, et al. **Life Sci** 1987 Jan 26;40(4):399–406
Study of the chemical nature of Frp/3 cell recognition units for hepatitis A virus. Seganti L, et al. **Med Microbiol Immunol (Berl)** 1987;176(1):21–6
Resialylated erythrocytes for assessment of the specificity of sialyloligosaccharide binding proteins. Paulson JC, et al. **Methods Enzymol** 1987;138:162–8
Octapeptides deduced from the neuropeptide receptor-like pattern of antigen T4 in brain potently inhibit human immunodeficiency virus receptor binding and T-cell infectivity. Pert CB, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9254–8
The surface receptor is a major determinant of the cell tropism of influenza C virus. Herrler G, et al. **Virology** 1987 Jul;159(1):102–8

PHYSIOLOGY

Studies on the mechanism of entry of vaccinia virus in animal cells. Janeczko RA, et al. **Arch Virol** 1987;92(1–2):135–50
A subset of T cell receptors associated with L3T4 molecules mediates C6VL leukemia cell binding of its cognate retrovirus. O'Neill HC, et al. **Cell** 1987 Apr 10;49(1):143–51
The receptor-binding and membrane-fusion properties of influenza virus variants selected using anti-haemagglutinin monoclonal antibodies. Daniels PS, et al. **EMBO J** 1987 May;6(5):1459–65
CD4 receptor binding peptides that block HIV infectivity cause human monocyte chemotaxis. Relationship to vasoactive intestinal polypeptide. Ruff MR, et al. **FEBS Lett** 1987 Jan 19;211(1):17–22
Altered phage P1 attachment to strains of Escherichia coli carrying the plasmid ColV,I-K94. Goodson M, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1785–9
Binding and internalization of herpes simplex virus–antibody complexes by polymorphonuclear leukocytes. Smith JW, et al. **J Med Virol** 1986 Oct;20(2):151–63
Reconstitution of functional influenza virus envelopes and fusion with membranes and liposomes lacking virus receptors. Nussbaum O, et al. **J Virol** 1987 Jul; 61(7):2245–52
Intracellular human gamma-interferon triggers an antiviral state in transformed murine L cells. Sancéau J, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2906–10
Human immunodeficiency virus infection of monocytic and T-lymphocytic cells: receptor modulation and differentiation induced by phorbol ester. Clapham PR, et al. **Virology** 1987 May;158(1):44–51
Expression of gangliosides as receptors at the cell surface controls infection of NCTC 2071 cells by Sendai virus. Markwell MA, et al. **Virology** 1986 Dec;155(2):356–64

RECEPTOSOMES

see related
ENDOCYTOSIS

ANALYSIS

Purification and characterization of a molecular weight 100,000 coat protein from coated vesicles obtained from bovine brain. Prasad K, et al. **Biochemistry** 1986 Nov 4; 25(22):6942–7
Analysis of 100 kDa polypeptides from coated vesicles of bovine brain: two-dimensional tryptic and chymotryptic maps. Ketis NV. **Biochim Biophys Acta** 1987 May 19; 924(2):303–11
Purification and characterization of two distinct complexes of assembly polypeptides from calf brain coated vesicles that differ in their polypeptide composition and kinase activities. Manfredi JJ, et al. **J Biol Chem** 1987 Sep 5; 262(25):12182–8

ENZYMOLOGY

Structural characterization of the ATP-hydrolyzing portion of the coated vesicle proton pump. Forgac M, et al. **Biochemistry** 1986 Jul 29;25(15):4275–80
Inhibition of the coated vesicle proton pump and labeling of a 17,000-dalton polypeptide by N,N'-dicyclohexylcarbodiimide. Arai H, et al. **J Biol Chem** 1987 Aug 15;262(23):11006–11
Lysosomal enzyme precursors in coated vesicles derived from the exocytic and endocytic pathways. Lemansky P, et al. **J Cell Biol** 1987 Jun;104(6):1743–8

IMMUNOLOGY

Characterization of a polypeptide associated with coated vesicles and the cytoskeleton which is recognized by a CREST serum. Bower DJ, et al. **Exp Cell Res** 1986 Nov; 167(1):166–76
Monoclonal antibodies against a glycoprotein localized in coated pits and endocytic vesicles inhibit alpha 2-macroglobulin binding and uptake. Hanover JA, et al. **J Biol Chem** 1986 Dec 15;261(35):16732–7
Initial events in the formation of immune deposits in passive Heymann nephritis. gp330–anti–gp330 immune complexes form in epithelial coated pits and rapidly become attached to the glomerular basement membrane. Kerjaschki D, et al. **J Exp Med** 1987 Jul 1;166(1):109–28

METABOLISM

Proteolytic processing of epidermal growth factor within endosomes. Schaudies RP, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):710–5
The effect of diffusion on the trapping of membrane-bound receptors by localized coated pits. Peacock-Lopez E, et al. **Biophys Chem** 1986 Dec 15;25(2):117–25
Coated pit formation: a membrane function involved in the regulation of cellular iron uptake. Egyed A, et al. **Br J Haematol** 1986 Oct;64(2):263–9
Axonal transport of clathrin-associated proteins. Gower DJ, et al. **Brain Res** 1987 Mar 24;407(1):1–8
Coated and smooth vesicles participate in acetylcholine receptor transport. Bursztajn S, et al. **Cell Tissue Res** 1987 Jun;248(3):535–40
Clathrin beta-light chain of rat liver coated vesicles is phosphorylated in vitro and in vivo. Cantournet B, et al. **FEBS Lett** 1987 Aug 10;220(1):143–8
Release of iron from endosomes is an early step in the transferrin cycle. Bakkeren DL, et al. **Int J Biochem** 1987; 19(2):179–86
The clathrin coat assembly polypeptide complex. Autophosphorylation and assembly activities. Keen JH, et al. **J Biol Chem** 1987 Mar 15;262(8):3864–71
Biologically active, recombinant DNA in clathrin-coated vesicles isolated from rat livers after in vivo injection of liposome-encapsulated DNA. Nandi PK, et al. **J Biol Chem** 1986 Dec 15;261(35):16722–6
Evidence for the presence of muscarinic acetylcholine receptors in bovine brain coated vesicles. Silva WI, et al. **J Biol Chem** 1986 Nov 5;261(31):14788–96
Characterization of endocytic compartments using the horseradish peroxidase–diaminobenzidine density shift technique. Ajioka RS, et al. **J Cell Biol** 1987 Jan; 104(1):77–85
Transport of a fluorescent macromolecule via endosomes to the vacuole in Saccharomyces cerevisiae. Makarow M, et al. **J Cell Biol** 1987 Jan;104(1):67–75
Acidification of the cytosol inhibits endocytosis from coated pits. Sandvig K, et al. **J Cell Biol** 1987 Aug;105(2):679–89
Phosphorylation characteristics of brain clathrin-coated vesicle endogenous proteins. Schook WJ, et al. **J Neurochem** 1987 Aug;49(2):434–41
Major histocompatibility complex class I molecules internalized via coated pits in T lymphocytes. Machy P, et al. **Nature** 1987 Aug 20–26;328(6132):724–6
Lipid requirements for reconstitution of the proton-translocating complex of clathrin-coated vesicles. Xie XS, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(23):8913–7
Acetylated low-density lipoprotein is endocytosed through coated pits by rat peritoneal macrophages. Fukuda S, et al. **Virchows Arch [B]** 1986;52(1):1–13

PHYSIOLOGY

Structure and assembly of coated vesicles. Pearse BM, et al. **Annu Rev Biophys Biophys Chem** 1987;16:49–68 (83 ref.)
Receptor-mediated endocytosis: concepts emerging from the LDL receptor system. Goldstein JL, et al. **Annu Rev Cell Biol** 1985;1:1–39 (120 ref.)
A trans Golgi-derived exocytic coated vesicle can contain both newly synthesized cholinesterase and internalized transferrin. Fishman JB, et al. **Cell** 1987 Jan 16;48(1):157–64
Coated vesicles and pits during enhanced quantal release of acetylcholine at the neuromuscular junction. Torri-Tarelli F, et al. **J Neurocytol** 1987 Apr;16(2):205–14
Kinetic analysis of new formation, internalization, and turnover of bristle coated pits of the myeloid sinuses. De Bruyn PP, et al. **Lab Invest** 1987 Jun;56(6):616–21
Assembly of clathrin-coated pits onto purified plasma membranes. Moore MS, et al. **Science** 1987 May 1; 236(4801):558–63 (32 ref.)

ULTRASTRUCTURE

Close association between clathrin and the hydrophobic domain of boundary membranes in brain endocytic vesicles. Pallini M, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):878–83
Visualization of endocytotic pits in capillary endothelia of dog heart by scanning electron microscopy. Kyle CT, et al. **Cytobios** 1987;49(198–199):163–8
Location of the 100 kd–50 kd accessory proteins in clathrin coats. Vigers GP, et al. **EMBO J** 1986 Sep;5(9):2079–85
Isolation and characterization of coated vesicles from filamentous fungi. That TC, et al. **Eur J Cell Biol** 1987 Apr;43(2):189–94
Female sterile (1) yolkless: a recessive female sterile mutation in Drosophila melanogaster with depressed numbers of coated pits and coated vesicles within the developing oocytes. DiMario PJ, et al. **J Cell Biol** 1987 Jul; 105(1):199–206
Potassium-dependent assembly of coated pits: new coated pits form as planar clathrin lattices. Larkin JM, et al. **J Cell Biol** 1986 Dec;103(6 Pt 2):2619–27
100-kD coated vesicle proteins: molecular heterogeneity and intracellular distribution studied with monoclonal antibodies. Robinson MS. **J Cell Biol** 1987 Apr; 104(4):887–95
Labeling of structural elements at the ventral plasma membrane of fibroblasts with the immunogold technique. Nicol A, et al. **J Histochem Cytochem** 1987 Apr; 35(4):499–506
Localization of clathrin light-chain sequences mediating heavy-chain binding and coated vesicle diversity. Brodsky FM, et al. **Nature** 1987 Mar 12–18;326(6109):203–5
Evidence that the heads of ADH-sensitive aggrephores are clathrin-coated vesicles: implications for aggrephore structure and function. Franki N, et al. **Tissue Cell** 1986; 18(5):803–7
Coated vesicles in the muscle–blood zone of an insect asynchronous flight muscle. Bradacs H, et al. **Z Mikrosk Anat Forsch** 1986;100(5):759–66
[A cytoskeletal protein with a molecular weight of 100 kD is a component of the endosomes participating in receptor-mediated endocytosis] Leonova EV, et al. **Tsitologiia** 1986 Nov;28(11):1222–6 (Eng. Abstr.) **(Rus)**

RECKLINGHAUSEN'S DISEASE OF BONE see **OSTEITIS FIBROSA CYSTICA**

RECKLINGHAUSEN'S DISEASE OF NERVE see **NEUROFIBROMATOSIS**

RECOMBINANT DNA see **DNA, RECOMBINANT**

RECOMBINANT FUSION PROTEINS see under **RECOMBINANT PROTEINS**

RECOMBINANT PROTEINS

Analytical biotechnology of recombinant products. Borman

S. **Anal Chem** 1987 Aug 1;59(15):969A–973A

Protein engineering and site-directed mutagenesis. Patents and literature. Linhardt RJ. **Appl Biochem Biotechnol** 1986 Aug;13(1):75–83

Structure of unfolded and refolded recombinant derived [Ala125]interleukin 2. Arakawa T, et al. **Biochemistry** 1986 Dec 16;25(25):8274–7

Characterization of disulfide bonds in recombinant proteins: reduced human interleukin 2 in inclusion bodies and its oxidative refolding. Tsuji T, et al. **Biochemistry** 1987 Jun 2;26(11):3129–34

Synthetic DNA fragments as useful tools in genetic and protein engineering. Efimov VA, et al. **Biotechnol Genet Eng Rev** 1986;4:79–116 (129 ref.)

Recombinant DNA manipulations and their interfaces with protein technology. Nagley P. **Dev Biol Stand** 1987; 67:171–6

From laboratory bench to production scale. Pitt D, et al. **Dev Biol Stand** 1987;67:201–6

Symposium on human insulin of recombinant DNA origin. **Diabetes Care** 1982 Nov–Dec;5 Suppl 2:1–186

Conformation and stability of two recombinant human interferon-alpha analogs. Davis JM, et al. **Int J Pept Protein Res** 1987 Jun;29(6):685–91

Molecular weight of recombinant human tumor necrosis factor-alpha. Arakawa T, et al. **J Biol Chem** 1987 Jun 5; 262(16):7484–5

Crystals and a low resolution structure of interleukin-2. Brandhuber BJ, et al. **J Biol Chem** 1987 Sep 5; 262(25):12306–8

Inaccessibility of tryptophan residues of recombinant human renin to quenching agents. Epps DE, et al. **J Biol Chem** 1987 Aug 5;262(22):10570–3

A preliminary crystallographic study of recombinant human interleukin 1 beta. Gilliland GL, et al. **J Biol Chem** 1987 Sep 5;262(25):12323–4

Uromodulin. An immunosuppressive 85-kilodalton glycoprotein isolated from human pregnancy urine is a high affinity ligand for recombinant interleukin 1 alpha. Muchmore AV, et al. **J Biol Chem** 1986 Oct 15; 261(29):13404–7

Crystallization of ricin A chain obtained from a cloned gene expressed in Escherichia coli. Robertus JD, et al. **J Biol Chem** 1987 Jan 5;262(1):19–20

Chemical characterization of recombinant human leukocyte interferon A using fast atom bombardment mass spectrometry. Takao T, et al. **J Biol Chem** 1987 Mar 15; 262(8):3541–7

Labeling of recombinant interferon with [35S]methionine in vivo. Rashidbaigi A, et al. **Methods Enzymol** 1986; 119:286–91

Preclinical safety of biotechnology products intended for human use. Proceedings of a satellite symposium of the IV International Congress of Toxicology. Tokyo, Japan, July 26, 1986. **Prog Clin Biol Res** 1987;235:1–213

Characterization of the chimeric SV40 large T antigen which has a membrane attachment sequence of polyoma virus middle T antigen. Segawa K, et al. **Virology** 1986 Dec; 155(2):334–44

ADMINISTRATION & DOSAGE

Phase I study of alpha 2-interferon plus doxorubicin in patients with solid tumors. Sarosy GA, et al. **Cancer Res** 1986 Oct;46(10):5368–71

Phase I study of i.v. administered recombinant gamma interferon in cancer patients. Kurzrock R, et al. **Cancer Treat Rep** 1986 Dec;70(12):1357–64

Coronary thrombolysis with recombinant single-chain urokinase-type plasminogen activator in patients with acute myocardial infarction. Van de Werf F, et al. **Circulation** 1986 Nov;74(5):1066–70

Successful immunotherapy of mouse melanoma and sarcoma with recombinant interleukin-2 and cyclophosphamide. Sälagi S, et al. **J Biol Response Mod** 1986 Oct;5(5):411–22

Effect of intravesical administration of tumor necrosis serum and human recombinant tumor necrosis factor on a murine bladder tumor. Lee KE, et al. **J Urol** 1987 Aug; 138(2):430–2

Thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses. Risius B, et al. **Radiology** 1987 Aug;164(2):465–8

ADVERSE EFFECTS

Induction of acute corneal allograft rejection by alpha-2 interferon. Jacobs AD, et al. **Am J Med** 1987 Jan; 82(1):181–2

Human interferons active on murine cells induce pulmonary cysts in A2G mice. Woodrow D, et al. **J Interferon Res** 1986 Oct;6(5):557–61

[Detection of nephrotoxicity of human alpha 2b interferon with special reference to the analysis of urine enzymes in patients with chronic myeloid leukemia] Kurschel E, et al. **Klin Wochenschr** 1987 Jul 15;65(14):667–72 (Eng. Abstr.) **(Ger)**

[Reactogenicity, genetic stability and effectiveness of a live recombinant influenza vaccine for children designed on the base of a cold-adapted attenuation donor A/Leningrad/134/47/57] Aleksandrova GI, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):411–4 **(Rus)**

ANALYSIS

Recombinant human growth hormone. Fryklund LM, et al. **Clin Endocrinol Metab** 1986 Aug;15(3):511–35

Production of specific antibodies against protein A fusion proteins. Löwenadler B, et al. **EMBO J** 1986 Sep; 5(9):2393–8

Recombinant-DNA-derived bovine growth hormone from Escherichia coli. 2. Biochemical, biophysical, immunological and biological comparison with the pituitary hormone. Langley KE, et al. **Eur J Biochem** 1987 Mar 2;163(2):323–30

Subcellular localization of a PhoE–LacZ fusion protein in E. coli by protease accessibility experiments reveals an inner-membrane-spanning form of the protein. Tommassen J, et al. **FEBS Lett** 1987 Sep 14;221(2):226–30

Preparation and characterization of monoclonal antibodies directed against antigenic determinants of recombinant human tumour necrosis factor (rTNF). Meager A, et al. **Hybridoma** 1987 Jun;6(3):305–11

Generation of a new monoclonal antibody and its application for determination and purification of biologically active human gamma-interferon. Oda S, et al. **Hybridoma** 1986 Winter;5(4):329–38

Heterogeneity of Chinese hamster ovary cell-produced recombinant murine interferon-gamma. Dijkmans R, et al. **J Biol Chem** 1987 Feb 25;262(6):2528–35

Biochemical characterization of recombinant human phenylalanine hydroxylase produced in Escherichia coli. Ledley FD, et al. **J Biol Chem** 1987 Feb 15;262(5):2228–33

Carbohydrate structure of erythropoietin expressed in Chinese hamster ovary cells by a human erythropoietin cDNA. Sasaki H, et al. **J Biol Chem** 1987 Sep 5; 262(25):12059–76

A simple sensitive bioassay for interleukin-1 which is unresponsive to 10(3) U/ml of interleukin-2. Gearing AJ, et al. **J Immunol Methods** 1987 May 4;99(1):7–11

Proteolytic processing of avian sarcoma and leukosis viruses pol-endo recombinant proteins reveals another pol gene domain. Alexander F, et al. **J Virol** 1987 Feb;61(2):534–42

Evidence that the sigma 1 protein of reovirus serotype 3 is a multimer. Bassel-Duby R, et al. **J Virol** 1987 Jun; 61(6):1834–41

Quantitative assay of recombinant vaccinia virus-encoded neomycin phosphotransferase in infected eukaryotic cell lysates. Franke CA, et al. **J Virol Methods** 1987 May; 16(1–2):147–54

Analysis of different forms of recombinant human interferons by high-performance liquid chromatography. Felix AM, et al. **Methods Enzymol** 1986;119:242–8

Phosphotyrosine antibodies identify the p210c-abl tyrosine kinase and proteins phosphorylated on tyrosine in human chronic myelogenous leukemia cells. Naldini L, et al. **Mol Cell Biol** 1986 May;6(5):1803–11

Screening of pUC plasmid clones for inserts based on growth rate (without X-gal). Karlovský P, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6753

A rapid and sensitive assay system for bacterial gpt activity in transfected mammalian cells. Shimada T. **Nucleic Acids Res** 1987 Jun 25;15(12):4992

BIOSYNTHESIS

Human growth hormone produced with recombinant DNA technology: development and production. Flodh H. **Acta Paediatr Scand [Suppl]** 1986;325:1–9

Production of authentic recombinant somatropin. Fryklund L. **Acta Paediatr Scand [Suppl]** 1987;331:5–8

Production of medically important proteins. Palva I. **Ann Clin Res** 1986;18(5–6):337–43

P-chlorophenylalanine does not inhibit production of recombinant human phenylalanine hydroxylase in NIH3T3 cells or E. coli. Ledley FD, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):302–8

Expression of human antithrombin III in Saccharomyces cerevisiae and Schizosaccharomyces pombe. Bröker M, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):203–13

Deoxyribonucleic acids and related compounds. XXII. Synthesis of genes for human nerve growth factor and its fused protein. Iwai S, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov;34(11):4724–30

Expression and purification of native human granulocyte-macrophage colony-stimulating factor from an Escherichia coli secretion vector. Libby RT, et al. **DNA** 1987 Jun;6(3):221–9

Purification and physiochemical properties of a recombinant bovine growth hormone produced by cultured murine fibroblasts. Leung FC, et al. **Endocrinology** 1986 Oct; 119(4):1489–96

Recombinant-DNA-derived bovine growth hormone from Escherichia coli. 1. Demonstration that the hormone is expressed in reduced form, and isolation of the hormone in oxidized, native form. Langley KE, et al. **Eur J Biochem** 1987 Mar 2;163(2):313–21

Expression of ricin A chain in Escherichia coli. O'Hare M, et al. **FEBS Lett** 1987 May 25;216(1):73–8

Synthesis of fusion proteins with multiple copies of an antigenic determinant of foot-and-mouth disease virus. Broekhuijsen MP, et al. **Gene** 1986;49(2):189–97

Expression of a wheat alpha-amylase gene in Escherichia coli: recognition of the translational initiation site and the signal peptide [published erratum appears in Gene 1987;49(3):399] Gatenby AA, et al. **Gene** 1986;45(1):11–8

Biosynthesis of pancreatic islet hormones. Goodman RH, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):36S–41S

Expression of recombinant immunoglobulin genes to produce novel molecules with specific functions. Gritzmacher CA. **Immunol Res** 1986;5(3):210–20 (53 ref.)

Synthesis and characterization of human prorenin in Escherichia coli. Imai T, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):425–32

Expression and characterization of human apolipoprotein A-I in Chinese hamster ovary cells. Mallory JB, et al. **J Biol Chem** 1987 Mar 25;262(9):4241–7

Purification and characterization of human recombinant interleukin-1 beta. Meyers CA, et al. **J Biol Chem** 1987 Aug 15;262(23):11176–81

Baculovirus expression vectors: the requirements for high level expression of proteins, including glycoproteins. Matsuura Y, et al. **J Gen Virol** 1987 May;68 (Pt 5):1233–50

Expression in Escherichia coli of fully active recombinant human IL 1 beta: comparison with native human IL 1 beta. Tocci MJ, et al. **J Immunol** 1987 Feb 15;138(4):1109–14

Efficient expression of unfused human alpha D-interferon in Escherichia coli using overlapping termination and initiation codons (TGATG) in its signal sequence. Hou YT, et al. **J Interferon Res** 1986 Aug;6(4):437–43

Production of recombinant mouse beta-interferon. Tanaka T, et al. **J Interferon Res** 1986 Aug;6(4):429–35

Intracellular localization of the viral polymerase proteins in cells infected with influenza virus and cells expressing PB1 protein from cloned cDNA. Akkina RK, et al. **J Virol** 1987 Jul;61(7):2217–24

Expression of the Epstein-Barr virus gp350/220 gene in rodent and primate cells. Whang Y, et al. **J Virol** 1987 Jun;61(6):1796–807

Production of recombinant insulin begins [news] Dickman S. **Nature** 1987 Sep 17–23;329(6136):193

Cross-examination ends in TPA patent case [news] Newmark P. **Nature** 1987 Jun 25–Jul 1;327(6124):650

pXmnATG: an E. coli vector for expression of unfused proteins. Hasnain SE, et al. **Nucleic Acids Res** 1987 May 11;15(9):3925

Expression of intron-containing C. elegans heat shock genes in mouse cells demonstrates divergence of 3' splice site recognition sequences between nematodes and vertebrates, and an inhibitory effect of heat shock on the mammalian splicing apparatus. Kay RJ, et al. **Nucleic Acids Res** 1987 May 11;15(9):3723–41

Expression of the lacZ gene from two methanol-regulated promoters in Pichia pastoris. Tschopp JF, et al. **Nucleic Acids Res** 1987 May 11;15(9):3859–76

Specialized ribosome system: preferential translation of a single mRNA species by a subpopulation of mutated ribosomes in Escherichia coli. Hui A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4762–6

Histochemical staining of clonal mammalian cell lines expressing E. coli beta galactosidase indicates heterogeneous expression of the bacterial gene. MacGregor GR, et al. **Somatic Cell Mol Genet** 1987 May;13(3):253–65

['New look' biotechnology] de Voogd van der Straaten WA. **Tijdschr Diergeneeskd** 1987 Jan 1;112(1):3–8 (Eng. Abstr.) **(Dut)**

[Growth hormone—1986. Native of synthetic? (editorial)] Laron Z. **Harefuah** 1987 Feb 15;112(4):206–8 **(Heb)**

[The vector containing a signal for specific degradation of chimeric proteins. Synthesis of [Leu5]enkephalin using enteropeptidase] Dobrynin VN, et al. **Bioorg Khim** 1987 Jan;13(1):119–21 (Eng. Abstr.) **(Rus)**

[Current approaches to the synthesis and reconstruction of genetic material] Sandakhchiev LS, et al. **Genetika** 1987 Jun;23(6):962–73 (43 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

Studies on tumor necrosis factor (TNF). III. Plasma disappearance curves after intramuscular, subcutaneous, intraperitoneal, and oral administration of human recombinant TNF. Pacini A, et al. **Cancer Drug Deliv** 1987 Spring;4(1):17–23

GENETICS

Expression of human interleukin-2 receptor cDNA in E. coli. Chanda PK, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):804–11

A bacteriophage transcription terminator permits the cloning of a mammalian expression vector carrying the human preprorenin gene in E. coli. Weighous TF, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):593–9

The complete amino acid sequence of the human aldolase C isozyme derived from genomic clones. Rottmann WH, et al. **Biochimie** 1987 Feb;69(2):137–45

bcr-abl RNA in patients with chronic myelogenous leukemia. Shtivelman E, et al. **Blood** 1987 Mar;69(3):971–3

Correct cell-type-specific expression of a fusion gene injected into sea urchin eggs. Hough-Evans BR, et al. **Dev Biol** 1987 Jun;121(2):576–9

A genetically engineered P450 monooxygenase: construction of the functional fused enzyme between rat cytochrome P450c and NADPH-cytochrome P450 reductase. Murakami H, et al. **DNA** 1987 Jun;6(3):189–97

Recombination of selectable marker DNA in Nicotiana tabacum. Wirtz U, et al. **DNA** 1987 Jun;6(3):245–53

cDNA sequence for human bcr, the gene that translocates to the abl oncogene in chronic myeloid leukaemia.

Hariharan IK, et al. **EMBO J** 1987 Jan;6(1):115–9

Fusion polypeptides in gene cloning: potential problems due to conformational alterations at the junction. Querol E, et al. **Experientia** 1987 Aug 15;43(8):920–2

A vector for the construction of translational fusions to TEM beta-lactamase and the analysis of protein export signals and membrane protein topology. Broome-Smith JK, et al. **Gene** 1986;49(3):341–9

Construction of an infectious pseudorabies virus recombinant expressing a glycoprotein gIII–beta–galactosidase fusion protein. Keeler CL Jr, et al. **Gene** 1986;50(1–3):215–24

CAT vectors for analysis of eukaryotic promoters and enhancers. Prost E, et al. **Gene** 1986;45(1):107–11

Improved single and multicopy lac-based cloning vectors for protein and operon fusions. Simons RW, et al. **Gene** 1987;53(1):85–96

Reconstitution of functionally active antibody directed against creatine kinase from separately expressed heavy and light chains in non-lymphoid cells. Weidle UH, et al. **Gene** 1987;51(1):21–9

Engineering soluble major histocompatibility molecules: why and how. Margulies DH, et al. **Immunol Res** 1987; 6(1–2):101–16 (76 ref.)

Recombinant human IgE. Gould HJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):392–3

Use of bacterial luciferase to establish a promoter probe vehicle capable of nondestructive real-time analysis of gene expression in Bacillus spp. Carmi OA, et al. **J Bacteriol** 1987 May;169(5):2165–70

Molecular cloning of Mu d(bla lacZ) transcriptional and translational fusions. Wanner BL. **J Bacteriol** 1987 May; 169(5):2026–30

Characterization of a recombinant fusion protein of the finger domain of tissue-type plasminogen activator with a truncated single chain urokinase-type plasminogen activator. Gheysen D, et al. **J Biol Chem** 1987 Aug 25; 262(24):11779–84

Synthesis of growth hormone–prolactin chimeric proteins and processing mutants by the exchange and deletion of genomic exons. Liebhaber SA, et al. **J Biol Chem** 1986 Oct 25;261(30):14301–6

Characterization of a fusion protein consisting of amino acids 1 to 263 of tissue-type plasminogen activator and amino acids 144 to 411 of urokinase-type plasminogen activator. Nelles L, et al. **J Biol Chem** 1987 Aug 5;262(22):10855–62

Mutant and chimeric recombinant plasminogen activators. Production in eukaryotic cells and preliminary characterization. Piérard L, et al. **J Biol Chem** 1987 Aug 25;262(24):11771–8

Fusion of trpB and trpA of Escherichia coli yields a partially active tryptophan synthetase polypeptide. Yanofsky C, et al. **J Biol Chem** 1987 Aug 25;262(24):11584–90

beta-Galactosidase and alkaline phosphatase do not become extracellular when fused to the amino-terminal part of colicin N. Pugsley AP, et al. **J Gen Microbiol** 1986 Aug; 132 (Pt 8):2297–307

Association with beta 2-microglobulin controls the expression of transfected human class I genes. Rein RS, et al. **J Immunol** 1987 Feb 15;138(4):1178–83

Molecular cloning and sequencing of a gene encoding biologically active porcine alpha-interferon. Lefevre F, et al. **J Interferon Res** 1986 Aug;6(4):349–60

Determination of the complete amino acid sequence of recombinant human gamma-interferon produced in Escherichia coli. Yamazaki S, et al. **J Interferon Res** 1986 Aug;6(4):331–6

Glutamic acid decarboxylase cDNA: nucleotide sequence encoding an enzymatically active fusion protein. Kobayashi Y, et al. **J Neurosci** 1987 Sep;7(9):2768–72

Creation of a chimeric oncogene: analysis of the biochemical and biological properties of v-erbB/src fusion polypeptide. Privalsky ML. **J Virol** 1987 Jun;61(6):1938–48

Alkaline phosphatase which lacks its own signal sequence becomes enzymatically active when fused to N-terminal sequences of Escherichia coli haemolysin (HlyA). Erb K, et al. **MGG** 1987 Jun;208(1–2):88–93

Rat c-raf oncogene activation by a rearrangement that produces a fused protein. Ishikawa F, et al. **Mol Cell Biol** 1987 Mar;7(3):1226–32

ret transforming gene encodes a fusion protein homologous to tyrosine kinases. Takahashi M, et al. **Mol Cell Biol** 1987 Apr;7(4):1378–85

Cloning and expression of recombinant, functional ricin B chain. Chang MS, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5640–4

Genetic construction, expression, and melanoma-selective cytotoxicity of a diphtheria toxin-related alpha-melanocyte-stimulating hormone fusion protein. Murphy JR, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8258–62

The CML-specific P210 bcr/abl protein, unlike v-abl, does not transform NIH/3T3 fibroblasts. Daley GQ, et al. **Science** 1987 Jul 31;237(4814):532–5

In situ detection of beta-galactosidase in lenses of transgenic mice with a gamma-crystallin/lacZ gene. Goring DR, et al. **Science** 1987 Jan 23;235(4787):456–8

Mapping of epitopes on human tissue-type plasminogen activator with recombinant deletion mutant proteins. van Zonneveld AJ, et al. **Thromb Haemost** 1987 Feb 3; 57(1):82–6

Intertypic recombinants of herpes simplex virus types 1 and 2 infected-cell polypeptide 4. Smith CA, et al. **Virology** 1987 Sep;160(1):176–82

Expression of a cDNA clone corresponding to the long open reading frame (XBL-I) of the bovine leukemia virus. Willems L, et al. **Virology** 1987 Sep;160(1):55–9

IMMUNOLOGY

An antibody purified with a lambda GT11 fusion protein precipitates enkephalinase activity. Kahn PH, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):488–93

Recombinant human-mouse chimeric monoclonal antibody specific for common acute lymphocytic leukemia antigen. Nishimura Y, et al. **Cancer Res** 1987 Feb 15;47(4):999–1005

Viral-restricted cytolytic T lymphocyte recognition of hybrid human-murine class I histocompatibility antigens. Maziarz RT, et al. **Cell Immunol** 1986 Apr 15;99(1):279–86

Mapping of T cell epitopes using recombinant antigens and synthetic peptides. Lamb JR, et al. **EMBO J** 1987 May; 6(5):1245–9

Expression of adenovirus type 12 E1b 58-kDa protein in Escherichia coli and production of antibodies raised against a 58-kDa::beta-galactosidase fusion protein. Schughart K, et al. **Gene** 1987;53(2–3):173–80

Detection of heterologous fusion proteins in Escherichia coli with a monoclonal antibody. Zweig M, et al. **Gene** 1987; 55(1):47–53

Functional and molecular characterization of a monoclonal antibody against human interleukin 2. Brandt E, et al. **Immunobiology** 1986 Aug;172(1–2):33–53

Proliferating cell nuclear antigen/cyclin is an interleukin 2-responsive gene. Moore KS, et al. **J Biol Chem** 1987 Jun 25;262(18):8447–50

Presentation of two epitopes of the preS2 region of hepatitis B virus on live recombinant bacteria. Charbit A, et al. **J Immunol** 1987 Sep 1;139(5):1658–64

Analysis of hybrid H-2D and L antigens with reciprocally mismatched aminoterminal domains: functional T cell recognition requires preservation of fine structural determinants. McCluskey J, et al. **J Immunol** 1986 Dec 15;137(12):3881–90

Differential expression of lymphokine-activated killer cells and natural killer cells in adoptive transfer experiments utilizing fractionated bone marrow. Merluzzi VJ, et al. **J Immunol** 1986 Oct 15;137(8):2425–7

Neutralizing monoclonal antibodies against recombinant human interleukin-2. Ide M, et al. **J Immunol Methods** 1987 Jul 16;101(1):57–62

A simple method for the production of specific antiserum to protein encoded in cloned genes. Immunization with precipitin lines. Shapiro SZ, et al. **J Immunol Methods** 1987 Mar 12;97(2):275–9

An attenuated aroA Salmonella typhimurium vaccine elicits humoral and cellular immunity to cloned beta-galactosidase in mice. Brown A, et al. **J Infect Dis** 1987 Jan;155(1):86–92

Immunological activities of recombinant interferon-alpha 2 and its A fragment. Attallah AM, et al. **J Interferon Res** 1987 Apr;7(2):223–9

Activation of mouse macrophages for migration inhibition and for tumor cytotoxicity is mediated by interferon-gamma priming and triggering by various agents. Herriott MJ, et al. **J Interferon Res** 1987 Apr; 7(2):165–71

A sensitive radioimmunoassay for detection of antibodies to recombinant human interferon-alpha A. Palleroni AV, et al. **J Interferon Res** 1986 Dec;6(6):705–12

Specificity of immunoglobulin E and immunoglobulin G against human (recombinant DNA) insulin in human insulin allergy and resistance. Grammer LC, et al. **J Lab Clin Med** 1987 Feb;109(2):141–6

Monoclonal antibody recognizing pre-S(2) epitope of hepatitis B virus: characterization of pre-S(2) epitope and anti-pre-S(2) antibody. Budkowska A, et al. **J Med Virol** 1986 Oct;20(2):111–25

Regions of poliovirus protein VP1 produced in Escherichia coli induce neutralizing antibodies. Hoatlin ME, et al. **J Virol** 1987 May;61(5):1442–7

Comparison of the relative roles of the F and HN surface glycoproteins of the paramyxovirus simian virus 5 in inducing protective immunity. Paterson RG, et al. **J Virol** 1987 Jun;61(6):1972–7

Radioimmunoassay for detection of changes in cell surface tumor antigen expression induced by interferon. Greiner JW, et al. **Methods Enzymol** 1986;119:682–8

A monoclonal antibody with broad reactivity to human interferon-alpha subtypes useful for purification of leukocyte-derived interferon. Tsukui K, et al. **Microbiol Immunol** 1986;30(11):1129–39

Tumour prevention and rejection with recombinant vaccinia. Lathe R, et al. **Nature** 1987 Apr 30–May 6;326(6116):878–80

Specific cellular immune response and neutralizing antibodies in goats immunized with native or recombinant envelope proteins derived from human T-lymphotropic virus type IIIB and in human immunodeficiency virus-infected men. Krohn K, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4994–8

Recombinant adenovirus induces antibody response to hepatitis B virus surface antigen in hamsters. Morin JE, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4626–30

Influence of recombinant gamma-interferon on enhancement of major histocompatibility complex class II antigen expression and functional immunological capacities of human amniotic and chorionic villi cells. Gotlieb W, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):560–4

Human recombinant interleukin-2 augments in vitro blastogenesis of bovine and porcine lymphocytes. Stott JL, et al. **Vet Immunol Immunopathol** 1986 Sep;13(1–2):31–8

ISOLATION & PURIFICATION

Purification and characterization of recombinant human interleukin-1 beta produced in Escherichia coli. Kikumoto Y, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):315–21

Dissociation of recombinant tumor necrosis factor-alpha studied by gel permeation chromatography. Narhi LO, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):740–6

Site-specific antibodies to human erythropoietin: immunoaffinity purification of urinary and recombinant hormone. Wojchowski DM, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):170–8

Characterization studies of human tissue-type plasminogen activator produced by recombinant DNA technology. Vehar GA, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:551–62

Purification and characterization of human interleukin-1 beta expressed in recombinant Escherichia coli. Wingfield P, et al. **Eur J Biochem** 1986 Nov 3;160(3):491–7

Large scale, rapid purification of recombinant tissue-type plasminogen activator. Dodd I, et al. **FEBS Lett** 1986 Dec 1;209(1):13–7

Monoclonal antibody to human beta interferon: characterization and application. Sugi M, et al. **Hybridoma** 1987 Jun;6(3):313–20

The purification of fully active recombinant transforming growth factor alpha produced in Escherichia coli. Winkler ME, et al. **J Biol Chem** 1986 Oct 15;261(29):13838–43

Differential purification by immunoaffinity chromatography of two carboxy-terminal portion-deleted derivatives of recombinant human interferon-gamma from Escherichia coli. Honda S, et al. **J Interferon Res** 1987 Apr;7(2):145–54

Purification and characterization of recombinant mouse interferon-beta. Matsuda S, et al. **J Interferon Res** 1986 Oct;6(5):519–26

Purification of recombinant human immune interferon. Kung HF, et al. **Methods Enzymol** 1986;119:204–10

Purification of recombinant human interferon beta expressed in Escherichia coli. Lin LS, et al. **Methods Enzymol** 1986; 119:183–92

Purification of recombinant human fibroblast interferon produced in Escherichia coli. Moschera JA, et al. **Methods Enzymol** 1986;119:177–83

Large-scale purification of recombinant human leukocyte interferons. Tarnowski SJ, et al. **Methods Enzymol** 1986; 119:153–65

Purification of recombinant human IFN-alpha 2. Thatcher DR, et al. **Methods Enzymol** 1986;119:166–77

METABOLISM

Cloned human interferons alpha: differential affinities for polyinosinic acid and relationship between molecular structure and species specificity. Chelbi-Alix MK, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):426–35

Two independent domains of factor VIII co-expressed using recombinant vaccinia viruses have procoagulant activity. Pavirani A, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):234–40

Heterogeneity of insulin-like growth factor-I affinity for the insulin-like growth factor-II receptor: comparison of natural, synthetic and recombinant DNA-derived insulin-like growth factor-I. Rosenfeld RG, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):199–205

Comparative kinetic analysis of the activation of human plasminogen by natural and recombinant single-chain urokinase-type plasminogen activator. Lijnen HR, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):402–8

Folding and activation of recombinant human prorenin. Sharma SK, et al. **Biotechnol Appl Biochem** 1987 Apr; 9(2):181–93

Binding and internalization of recombinant human erythropoietin in murine erythroid precursor cells. Mufson RA, et al. **Blood** 1987 May;69(5):1485–90

Pharmacokinetics of human insulin zinc suspension (recombinant DNA) in normal man: a comparison with porcine insulin zinc suspension. Frier BM, et al. **Diabetic Med** 1984 Sep;1(3):219–21

Both ATP and an energized inner membrane are required to import a purified precursor protein into mitochondria. Eilers M, et al. **EMBO J** 1987 Apr;6(4):1073–7

B cell growth modulating and differentiating activity of recombinant human 26-kd protein (BSF-2, HuIFN-beta 2, HPGF). Poupart P, et al. **EMBO J** 1987 May; 6(5):1219–24

Expression of bovine pancreatic ribonuclease A in Escherichia coli [published erratum appears in Eur J Biochem 1987 May 4;164(3):713] Nambiar KP, et al. **Eur J Biochem** 1987 Feb 16;163(1):67–71

Localization of the cellular-fibronectin-specific epitope recognized by the monoclonal antibody IST-9 using fusion proteins expressed in E. coli. Carnemolla B, et al. **FEBS Lett** 1987 May 11;215(2):269–73

Mapping of export signals of Pseudomonas aeruginosa pilin with alkaline phosphatase fusions. Strom MS, et al. **J Bacteriol** 1987 Jul;169(7):3181–8

Modulation of receptors and cytotoxic response of tumor

necrosis factor-alpha by various lectins. Aggarwal BB, et al. **J Biol Chem** 1986 Oct 15;261(29):13652-6

Cellular catabolism of recombinant tissue-type plasminogen activator. Identification and characterization of a novel high affinity uptake system on rat hepatocytes. Bakhit C, et al. **J Biol Chem** 1987 Jun 25;262(18):8716-20

Use of a sensitive receptor binding assay to discriminate between full-length and truncated human recombinant tumor necrosis factor proteins. Carlino JA, et al. **J Biol Chem** 1987 Jan 25;262(3):958-61

Characterization of recombinant human factor VIII. Eaton DL, et al. **J Biol Chem** 1987 Mar 5;262(7):3285-90

RNase H activity associated with bacterially expressed reverse transcriptase of human T-cell lymphotropic virus III/lymphadenopathy-associated virus. Hansen J, et al. **J Biol Chem** 1987 Sep 15;262(26):12393-6

Expression of completely gamma-carboxylated recombinant human prothrombin. Jorgensen MJ, et al. **J Biol Chem** 1987 May 15;262(14):6729-34

Glycolipid binding of purified and recombinant Escherichia coli produced verotoxin in vitro. Lingwood CA, et al. **J Biol Chem** 1987 Jun 25;262(18):8834-9

In vivo synthesis of carbamyl phosphate from NH3 by the large subunit of Escherichia coli carbamyl phosphate synthetase. Rubino SD, et al. **J Biol Chem** 1987 Mar 25; 262(9):4382-6

Insulin-like growth factor I receptors in neuronal and glial cells. Characterization and biological effects in primary culture. Shemer J, et al. **J Biol Chem** 1987 Jun 5; 262(16):7693-9

Species specificity of human and murine tumor necrosis factor. A comparative study of tumor necrosis factor receptors. Smith RA, et al. **J Biol Chem** 1986 Nov 15; 261(32):14871-4

Translocation of globin fusion proteins across the endoplasmic reticulum membrane in Xenopus laevis oocytes. Simon K, et al. **J Cell Biol** 1987 May; 104(5):1165-72

Structure and activity of recombinant human interferon-gamma analogs. Hsu YR, et al. **J Interferon Res** 1986 Dec;6(6):663-70

Procedures for binding an antibody to receptor-bound interferon. Arnheiter H, et al. **Methods Enzymol** 1986; 119:326-32

Procedure for reduction and reoxidation of human leukocyte interferon. Langer JA, et al. **Methods Enzymol** 1986; 119:248-55

Binding of 32P-labeled human recombinant immune interferon to U937 cells. Rashidbaigi A, et al. **Methods Enzymol** 1986;119:315-21

Saccharomyces cerevisiae secretes and correctly processes human interferon hybrid proteins containing yeast invertase signal peptides. Chang CN, et al. **Mol Cell Biol** 1986 May; 6(5):1812-9

Covalent coupling of bovine growth hormone to its receptor in bovine liver membranes. Badinga L, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):85-9

A second human interleukin-2 binding protein that may be a component of high-affinity interleukin-2 receptors. Dukovich M, et al. **Nature** 1987 Jun 11-17; 327(6122):518-22

A cytosolic protein contains a cryptic mitochondrial targeting signal. Hurt EC, et al. **Nature** 1987 Feb 5-11; 325(6104):499-503

Expression of porcine pancreatic phospholipase A2. Generation of active enzyme by sequence-specific cleavage of a hybrid protein from Escherichia coli. de Geus P, et al. **Nucleic Acids Res** 1987 May 11;15(9):3743-59

Cell lines and peripheral blood leukocytes derived from individuals with chronic myelogenous leukemia display virtually identical proteins phosphorylated on tyrosine residues. Huhn RD, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4408-12

Characterization of avian and viral p60src proteins expressed in yeast. Kornbluth S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4455-9

Increased biological activity of deglycosylated recombinant human granulocyte/macrophage colony-stimulating factor produced by yeast or animal cells. Moonen P, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4428-31

Identification of the receptor for erythropoietin by cross-linking to Friend virus-infected erythroid cells. Sawyer ST, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3690-4

Efficient and stable expression of recombinant fibronectin polypeptides. Schwarzbauer JE, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):754-8

Designing substrate specificity by protein engineering of electrostatic interactions. Wells JA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1219-23

Bioavailability in rats of human recombinant tissue plasminogen activator after subcutaneous and intramuscular injection. Garcia Frade LJ, et al. **Thromb Haemost** 1986 Dec 15;56(3):299-301

Turnover of human tissue plasminogen activator (tPA) in rabbits. Beebe DP, et al. **Thromb Res** 1986 Sep 15; 43(6):663-74

Binding of cellular polypeptides to human adenovirus type 5 E1A proteins produced in Escherichia coli. Egan C, et al. **Virology** 1987 Sep;160(1):292-6

PHARMACODYNAMICS

The influence of interleukin-1 on the function of in vitro cultured human thyroid cells in monolayers. Rasmussen AK, et al. **Acta Endocrinol [Suppl] (Copenh)** 1987;281:93-5

Effect of interleukin 2 on basophil histamine release. Morita Y, et al. **Allergy** 1987 Feb;42(2):104-8

Recombinant human alpha lymphotoxin (tumor necrosis factor-beta) induces peripheral neutrophilia and lymphopenia in the rat. Ulich TR, et al. **Am J Pathol** 1987 Jul;128(1):5-12

Clinical and in vitro antiproliferative properties of recombinant DNA-derived human interferon-alpha 2. Freedman MH, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):178-82

Recombinant tumor necrosis factor and interleukin 1 enhance slow-wave sleep. Shoham S, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 2):R142-9

Interleukin-1 and glucocorticoid hormones integrate an immunoregulatory feedback circuit. Del Rey A, et al. **Ann NY Acad Sci** 1987;496:85-90

Regulation of the antigenic phenotype of human melanoma cells by recombinant interferons. Giacomini P, et al. **Anticancer Res** 1986 Sep-Oct;6(5):877-84

Recombinant gamma interferon induces HLA-DR expression on squamous cell carcinoma, trichilemmoma, adenocarcinoma cell lines, and cultured human keratinocytes. Kameyama K, et al. **Arch Dermatol Res** 1987; 279(3):161-6

Intraocular fibrinolysis with recombinant human tissue plasminogen activator. Experimental treatment in a rabbit model. Snyder RW, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1277-80

Characteristics of anticellular activities of human recombinant interferon gamma on gynecological malignancies: in vitro sensitivity. Iwasaka T, et al. **Asia Oceania J Obstet Gynaecol** 1986 Dec;12(4):549-54

Gamma interferon inhibits basal and interleukin 1-induced prostaglandin production and bone resorption in neonatal mouse calvaria. Hoffmann O, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):38-43

Recombinant human granulocyte colony-stimulating factor enhances superoxide release in human granulocytes stimulated by the chemotactic peptide. Kitagawa S, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1143-6

Inhibitory effect of human recombinant interleukin-1 alpha and beta on growth of human vascular endothelial cells. Norioka K, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):969-75

Stimulation of procollagenase synthesis parallels increases in cellular procollagenase mRNA in human articular chondrocytes exposed to recombinant interleukin 1 beta or phorbol ester. Stephenson ML, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):583-90

Tumor necrosis factor as an interleukin 1-dependent differentiation inducing factor (D-factor) for mouse myeloid leukemic cells. Tamatani T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):390-7

Stimulation of ACTH release by human interleukin-1 beta, but not by interleukin-1 alpha, in conscious, freely-moving rats. Uehara A, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1286-90

Limited effects of recombinant human and murine interleukin 1 and tumour necrosis factor on production of acute phase proteins by cultured rat hepatocytes. Koj A, et al. **Biochem Int** 1987 Mar;14(3):553-60

Gamma interferon and calcitriol formation by human macrophages [letter] Rook GA. **Bioessays** 1986 Jul;5(1):40

Kinetic studies on the interaction of eglin c with human leukocyte elastase and cathepsin G. Braun NJ, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):299-308

Inhibition of mast cell chymase by eglin c and antileukoprotease (HUSI-I). Indications for potential biological functions of these inhibitors. Fink E, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):567-71

Receptor-specific inhibition of bone marrow erythropoiesis by recombinant DNA-derived interleukin-2. Burdach SE, et al. **Blood** 1987 May;69(5):1368-75

Human recombinant multilineage colony stimulating factor (interleukin-3): stimulator of acute myelocytic leukemia progenitor cells in vitro. Delwel R, et al. **Blood** 1987 Jul; 70(1):333-6

Synergism between recombinant growth factors, GM-CSF and G-CSF, acting on the blast cells of acute myeloblastic leukemia [published erratum appears in Blood 1987 Jul;70(1):339] Kelleher C, et al. **Blood** 1987 May; 69(5):1498-503

Recombinant human TNF alpha stimulates production of granulocyte colony-stimulating factor. Koeffler HP, et al. **Blood** 1987 Jul;70(1):55-9

Recombinant human GM-CSF induces leukocytosis and activates peripheral blood polymorphonuclear neutrophils in nonhuman primates. Mayer P, et al. **Blood** 1987 Jul; 70(1):206-13

Gamma-interferon alters globin gene expression in neonatal and adult erythroid cells. Miller BA, et al. **Blood** 1987 Jun; 69(6):1674-81

The effects of three recombinant growth factors, IL-3, GM-CSF, and G-CSF, on the blast cells of acute myeloblastic leukemia maintained in short-term suspension culture. Miyauchi J, et al. **Blood** 1987 Sep;70(3):657-63

Induction of proliferation of B prolymphocytic leukemia cells by phorbol ester and native or recombinant interferon-gamma. Sauerwein RW, et al. **Blood** 1987 Sep; 70(3):670-5

Recombinant human tumor necrosis factor alpha regulates c-myc expression in HL-60 cells at the level of transcription. Tobler A, et al. **Blood** 1987 Jul;70(1):200-5

The effects of GM-CSF and G-CSF in promoting growth of clonogenic cells in acute myeloblastic leukemia. Vellenga E, et al. **Blood** 1987 Jun;69(6):1771-6

The effects of purified recombinant murine interleukin-3 and/or purified natural murine CSF-1 in vivo on the proliferation of murine high- and low-proliferative potential colony-forming cells: demonstration of in vivo synergism. Williams DE, et al. **Blood** 1987 Aug;70(2):401-3

Recombinant human granulocyte colony-stimulating factor repairs the abnormalities of neutrophils in patients with myelodysplastic syndromes and chronic myelogenous leukemia. Yuo A, et al. **Blood** 1987 Aug;70(2):404-11

Stimulation of oxidative metabolism of granulocytes by recombinant granulocyte-macrophage-colony-stimulating-factor and a conditioned medium of a urinary bladder carcinoma cell line. Klausmann M, et al. **Blut** 1987 May;54(5):307-12

Effect of human recombinant erythropoietin on human marrow megakaryocyte colony formation in vitro. Dessypris EN, et al. **Br J Haematol** 1987 Mar;65(3):265-9

Synergistic enhancement by tumor necrosis factor of in vitro cytotoxicity from chemotherapeutic drugs targeted at DNA topoisomerase II. Alexander RB, et al. **Cancer Res** 1987 May 1;47(9):2403-6

Direct antiproliferative effects of recombinant human interferon-alpha B/D hybrids on human tumor cell lines. Fidler IJ, et al. **Cancer Res** 1987 Apr 15;47(8):2020-7

Generation of lymphokine-activated killer cells in strain 2 guinea pigs and their use in the therapy of L2C, an acute B-cell leukemia. Gregg EO, et al. **Cancer Res** 1987 Feb 1;47(3):723-9

Effect of recombinant monokines, lymphokines, and other agents on clonal proliferation of human lung cancer cell lines. Munker M, et al. **Cancer Res** 1987 Aug 1; 47(15):4081-5

Comparison of recombinant tumor necrosis factor and the monocyte-derived cytotoxic factor involved in monocyte-mediated cytotoxicity. Nissen-Meyer J, et al. **Cancer Res** 1987 May 1;47(9):2251-8

Some biological activities of recombinant DNA-derived growth hormone on plasma metabolite concentrations in domestic fowl. Hall TR, et al. **Comp Biochem Physiol [A]** 1987;86(1):29-34

Lack of effect of exogenous recombinant interleukin-2 on trauma-induced abnormalities in lymphocyte proliferation. Abraham E, et al. **Crit Care Med** 1986 Oct;14(10):847-51

Interferon-mediated induction of Ia antigen expression on isolated murine whole islets and dispersed islet cells. Wright JR Jr, et al. **Diabetes** 1986 Oct;35(10):1174-7

Sensitivity of human germ-cell-tumor cell lines to human interferons. Sekiya S, et al. **Differentiation** 1987;33(3):266-9

Recombinant interleukin 4/BSF-1 promotes growth and differentiation of intrathymic T cell precursors from fetal mice in vitro. Palacios R, et al. **EMBO J** 1987 Jan;6(1):91-5

Characterization of recombinant human granulocyte-colony-stimulating factor produced in mouse cells. Tsuchiya M, et al. **EMBO J** 1987 Mar;6(3):611-6

Recombinant deoxyribonucleic acid-derived 22K- and 20K-human growth hormone generate equivalent diabetogenic effects during chronic infusion in dogs. Ader M, et al. **Endocrinology** 1987 Feb;120(2):725-31

Comparative study of in vitro and in vivo modulation of lactogenic and somatotropic receptors by native human growth hormone and its modified analog prepared by recombinant deoxyribonucleic acid technology. Ashkenazi A, et al. **Endocrinology** 1987 Jul;121(1):414-9

The properties of recombinant chicken growth hormone and its effects on growth, body composition, feed efficiency, and other factors in broiler chickens. Burke WH, et al. **Endocrinology** 1987 Feb;120(2):651-8

Native and recombinant bovine growth hormone antagonize insulin action in cultured bovine adipose tissue. Etherton TD, et al. **Endocrinology** 1987 Aug;121(2):699-703

Peripheral blood lymphocyte response to recombinant and non-recombinant interleukin 2 in previously treated patients with Hodgkin's disease, long-time off-therapy. Mantovani G, et al. **Eur J Haematol** 1987 Feb;38(2):179-86

Pure erythropoietic colony and burst formations in serum-free culture and their enhancement by insulin-like growth factor I. Akahane K, et al. **Exp Hematol** 1987 Aug; 15(7):797-802

High doses of recombinant erythropoietin stimulate platelet production in mice. McDonald TP, et al. **Exp Hematol** 1987 Jul;15(6):719-21

Suppression of normal human erythropoiesis by human recombinant DNA-produced alpha-2-interferon in vitro. Mamus SW, et al. **Exp Hematol** 1986 Dec;14(11):1015-22

Quantitative responsiveness of murine hemopoietic populations in vitro and in vivo to recombinant multi-CSF (IL-3). Metcalf D, et al. **Exp Hematol** 1987 Mar; 15(3):288-95

Effect of recombinant human granulocyte colony-stimulating factor on hemopoietic cells in serum-free culture. Ohara A, et al. **Exp Hematol** 1987 Jul;15(6):695-9

Patterns of acute myeloid leukemia colony growth in response to recombinant granulocyte-macrophage colony-stimulating factor (rGM-CSF). Vellenga E, et al.

Exp Hematol 1987 Jul;15(6):652–6

Recombinant gamma-interferon stimulates iodide uptake and cyclic AMP production by the FTRL5 thyroid cell line. Weetman AP. **FEBS Lett** 1987 Aug 31;221(1):91–4

What is a T-cell clone? Effect of rIFN on T-cell clone function and T-cell receptor gene rearrangement. Chen LK, et al. **Hum Immunol** 1986 Nov;17(3):214–23

Differential susceptibility to modulation by recombinant immune interferon of HLA-DR and -DQ antigens synthesized by melanoma COLO 38 cells. Giacomini P, et al. **Hybridoma** 1986 Winter;5(4):277–88

Relative cloning efficiencies and long-term propagation capacity for T cell clones of highly purified natural interleukin 2 compared to recombinant interleukin 2 in man. Pawelec G, et al. **Immunobiology** 1987 Jan;174(1):67–75

The influence of interferon-gamma and various phagocytic stimuli on the expression of MHC-class II antigens on human monocytes--relation to the generation of reactive oxygen intermediates. Volk HD, et al. **Immunol Lett** 1986 Oct;13(4):209–14

Enhanced resistance of mice to bacterial infection induced by recombinant human interleukin-1a. Ozaki Y, et al. **Infect Immun** 1987 Jun;55(6):1436–40

Effect of gamma interferon on hydrogen peroxide production by cultured mouse peritoneal macrophages. Sharp AK, et al. **Infect Immun** 1986 Nov;54(2):597–9

Phenotypic profile of clones from early cultures of human metastatic melanomas and its modulation by recombinant interferon gamma. Anichini A, et al. **Int J Cancer** 1986 Oct 15;38(4):505–11

Synergism of recombinant human interferon gamma with liposome-encapsulated muramyl tripeptide in activation of the tumoricidal properties of human monocytes. Sone S, et al. **Int J Cancer** 1986 Oct 15;38(4):495–500

The effect of recombinant erythropoietin on murine megakaryocyte colony formation. Tsukada J, et al. **Int J Cell Cloning** 1987 Sep;5(5):401–11

Recombinant human interleukin 1-stimulated Na+/H+ exchange is not required for differentiation in pre-B lymphocyte cell line, 70Z/3. Calalb MB, et al. **J Biol Chem** 1987 Mar 15;262(8):3680–4

Purification and characterization of proteolytic fragments of lipocortin I that inhibit phospholipase A2. Huang KS, et al. **J Biol Chem** 1987 Jun 5;262(16):7639–45

Multiple effects of tumor necrosis factor on lipoprotein lipase in vivo. Semb H, et al. **J Biol Chem** 1987 Jun 15; 262(17):8390–4

Inhibition of fibroblast chemotaxis by recombinant human interferon gamma and interferon alpha. Adelmann-Grill BC, et al. **J Cell Physiol** 1987 Feb;130(2):270–5

Human recombinant erythropoietin promotes differentiation of murine megakaryocytes in vitro. Ishibashi T, et al. **J Clin Invest** 1987 Jan;79(1):286–9

Recombinant human granulocyte-macrophage colony-stimulating factor stimulates in vitro mature human neutrophil and eosinophil function, surface receptor expression, and survival. Lopez AF, et al. **J Clin Invest** 1986 Nov;78(5):1220–8

Stimulation of human hematopoietic colony formation by recombinant gibbon multi-colony-stimulating factor or interleukin 3. Sieff CA, et al. **J Clin Invest** 1987 Sep; 80(3):818–23

Recombinant human transforming growth factor-alpha stimulates the formation of osteoclast-like cells in long-term human marrow cultures. Takahashi N, et al. **J Clin Invest** 1986 Oct;78(4):894–8

Insulinlike growth factor I regulation of growth hormone gene transcription in primary rat pituitary cells. Yamashita S, et al. **J Clin Invest** 1987 Feb;79(2):449–52

Recombinant gamma interferon induces hypertriglyceridemia and inhibits post-heparin lipase activity in cancer patients. Kurzrock R, et al. **J Exp Med** 1986 Oct 1;164(4):1093–101

A recombinant human interferon-alpha B/D hybrid with a broad host-range. Horisberger MA, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):945–8

Recombinant human interferon-gamma inhibits adenovirus multiplication in vitro. Mistchenko AS, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):941–4

Interferon-gamma-activated human monocytes inhibit the intracellular multiplication of Legionella pneumophila. Bhardwaj N, et al. **J Immunol** 1986 Oct 15;137(8):2662–9

Relation of cytosolic calcium to the microbicidal activation of blood monocytes by recombinant gamma interferon. Kemmerich B, et al. **J Infect Dis** 1986 Nov;154(5):770–7

Structure and activity of glycosylated human interferon-gamma. Arakawa T, et al. **J Interferon Res** 1986 Dec;6(6):687–95

Potency stability of recombinant (Serine-17) human interferon-beta. Geigert J, et al. **J Interferon Res** 1987 Apr; 7(2):203–11

Characterization of an interferon-resistant mutant of the human breast cancer cell line BT-20. Marth C, et al. **J Interferon Res** 1987 Apr;7(2):195–202

Effects of recombinant interferon-alpha 2 treatment upon lipid concentrations and lipoprotein composition. Massaro ER, et al. **J Interferon Res** 1986 Dec;6(6):655–62

Regulatory effects on macrophages of human recombinant interferons-alpha. Saiki I, et al. **J Interferon Res** 1986 Oct; 6(5):603–11

Recombinant interferon-gamma stimulates the production of human tumor necrosis factor in vitro. Scuderi P, et al. **J Interferon Res** 1987 Apr;7(2):155–64

Cultured human fetal astrocytes can be induced by interferon-gamma to express HLA-DR. Pulver M, et al. **J Neuroimmunol** 1987 Mar;14(2):123–33

Tumor necrosis factor enhances the in vitro and in vivo efficacy of chemotherapeutic drugs targeted at DNA topoisomerase II in the treatment of murine bladder cancer. Alexander RB, et al. **J Urol** 1987 Aug;138(2):427–9

Antitumor, antiviral and natural killer-inducing activities of human recombinant interferon-alpha in the guinea pig. Kataoka T, et al. **Jpn J Med Sci Biol** 1986 Apr;39(2):97–103

Antitumor effects of recombinant human tumor necrosis factor against human tumor xenografts transplanted into nude mice. Nosoh Y, et al. **Jpn J Surg** 1987 Jan;17(1):51–4

Recombinant interferon alpha 2 stimulation of target-binding by natural killer cells. Heidemann E, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1036–40

Human macrophages degrade tryptophan upon induction by interferon-gamma. Werner ER, et al. **Life Sci** 1987 Jul 20; 41(3):273–80

Recombinant interferons or interleukin-2 increase cytotoxicity by human monocytes and NK cells. Frey JR, et al. **Lymphokine Res** 1987 Summer;6(3):215–27

Tumor necrosis factor induced stimulation of granulopoiesis and radioprotection. Urbaschek R, et al. **Lymphokine Res** 1987 Summer;6(3):179–86

Interferon and butyrate treatment leads to a decreased sensitivity of NK target cells to lysis by homologous but not by heterologous effector cells. Laskay T, et al. **Nat Immun Cell Growth Regul** 1986;5(4):211–20

Recombinant interleukin-2 directly augments the cytotoxicity of human monocytes. Malkovský M, et al. **Nature** 1987 Jan 15–21;325(6101):262–5

Synergistic myelopoietic actions in vivo after administration to mice of combinations of purified natural murine colony-stimulating factor 1, recombinant murine interleukin 3, and recombinant murine granulocyte/macrophage colony-stimulating factor. Broxmeyer HE, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(11):3871–5

Activity of a recombinant fusion protein between transforming growth factor type alpha and Pseudomonas toxin. Chaudhary VK, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4538–42

In vivo stimulation of granulopoiesis by recombinant human granulocyte colony-stimulating factor. Cohen AM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2484–8

Linking functional domains of the human insulin receptor with the bacterial aspartate receptor. Ellis L, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8137–41

Regulation of murine class I genes by interferons is controlled by regions located both 5' and 3' to the transcription initiation site. Korber B, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3380–4

Interferons regulate the in vitro differentiation of multilineage lympho-myeloid stem cells in hairy cell leukemia. Michalevicz R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2307–11

Interleukin 4 is a growth factor for activated thymocytes: possible role in T-cell ontogeny. Zlotnik A, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3856–60

Biological characteristics of interferon-r-induced resistant histiocytic lymphoma cell line U937. Ho CK, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr;11(2):100–6

Induction of cytotoxic capacity by recombinant gamma interferon in human myelomonocytic leukaemia cell lines [published erratum appears in Scand J Immunol 1987 Jun;25(6):645] Kuosmanen M, et al. **Scand J Immunol** 1987 Mar;25(3):219–23

Interferon-gamma and B cell stimulatory factor-1 reciprocally regulate Ig isotype production. Snapper CM, et al. **Science** 1987 May 22;236(4804):944–7

Pharmacokinetics and effects on fibrinolytic and coagulation parameters of two doses of recombinant tissue-type plasminogen activator in healthy volunteers. Verstraete M, et al. **Thromb Haemost** 1986 Aug 20;56(1):1–5

[Inhibition of colony formation by a human tumor degenerating factor (TDF); enhancement of this effect by interferons] Imanishi J, et al. **C R Soc Biol (Paris)** 1986; 180(5):596–600 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Treatment of mice with macrophage colony stimulating factor (CSF-1) prevents the in vivo myelosuppression induced by murine alpha, beta, and gamma interferons. Koren S, et al. **J Biol Response Mod** 1986 Oct;5(5):481–9

Effect of recombinant tumor necrosis factor on HL-60 cells: cell-cycle specificity and synergism with actinomycin D. Darzynkiewicz Z, et al. **J Cell Physiol** 1987 Mar; 130(3):328–35

Measurement of effect of interferons on cloning efficiency of primary tumor cells in culture. Salmon SE. **Methods Enzymol** 1986;119:635–42

In vitro enhanced thromboxane B2 release by polymorphonuclear leukocytes and macrophages after treatment with human recombinant interleukin 1. Conti P, et al. **Prostaglandins** 1986 Jul;32(1):111–5

SECRETION

Secretion of human serum albumin from Bacillus subtilis. Saunders CW, et al. **J Bacteriol** 1987 Jul;169(7):2917–25

Translational fusion with a secretory enzyme as an indicator. Wang PZ, et al. **J Bacteriol** 1987 Jul;169(7):3082–7

STANDARDS

Control of therapeutic goods produced by recombinant DNA technology. Breschkin A. **Dev Biol Stand** 1987;67:207–11

Characteristics of cloned and natural lymphokines: a comment on criteria which may be useful in establishing international standards. White TJ. **Immunobiology** 1986 Sep;172(3–5):448–9

Recommendations for establishment of reference standards for recombinant-DNA-derived proteins and polypeptides. Atkins LM, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug; 70(4):610–7

Wistar's export to Argentina [letter] Grigera PR. **Nature** 1986 Dec 18–31;324(6098):610

Indian turmoil over planned US tests of new vaccines [news] Jayaraman KS. **Nature** 1987 Sep 10–16;329(6135):94

Rabies vaccine: inquiry into Argentine trials [news] Palca J. **Nature** 1986 Dec 18–31;324(6098):609

Safety evaluation of biotechnology derived products. Galbraith WM. **Prog Clin Biol Res** 1987;235:3–14

Some aspects of the preclinical safety of drugs produced by recombinant DNA technology: Japanese government regulatory position. Hayakawa T. **Prog Clin Biol Res** 1987; 235:15–29

THERAPEUTIC USE

Recombinant human growth hormone and related growth factors. Proceedings of an international symposium. Barcelona, Spain, 28–29 April 1986. **Acta Paediatr Scand [Suppl]** 1986;325:1–128

Clinical trial with authentic recombinant somatropin in Sweden and Finland. Albertsson-Wikland K. **Acta Paediatr Scand [Suppl]** 1987;331:28–34

Clinical experience with authentic recombinant somatropin--German Collaborative Study. Ranke MB, et al. **Acta Paediatr Scand [Suppl]** 1987;331:9–17

Preliminary results of authentic recombinant somatropin treatment in human growth hormone deficient children. French Collaborative Study. Rappaport R. **Acta Paediatr Scand [Suppl]** 1987;331:25–7

Results from the first 2 years of a clinical trial with recombinant DNA-derived human growth hormone (somatrem) in Turner's syndrome. Rosenfeld RG, et al. **Acta Paediatr Scand [Suppl]** 1987;331:59–69

Clinical trial with authentic recombinant somatropin in Japan. Takano K, et al. **Acta Paediatr Scand [Suppl]** 1987; 331:18–24

2-5A synthetase activities in herpes virus infection and after interferon treatment. Mejer J, et al. **Adv Exp Med Biol** 1986;195 Pt B:689–92

Recombinant tissue plasminogen activator (rt-PA): is it the thrombolytic agent of choice for an evolving acute myocardial infarction? Sherry S. **Am J Cardiol** 1987 Apr 15;59(9):984–9

Acute coronary thrombolysis with recombinant human tissue-type plasminogen activator: initial patency and influence of maintained infusion on reocclusion rate. Verstraete M, et al. **Am J Cardiol** 1987 Aug 1;60(4):231–7

Hematologic effects of immunotherapy with lymphokine-activated killer cells and recombinant interleukin-2 in cancer patients. Ettinghausen SE, et al. **Blood** 1987 Jun;69(6):1654–60

In vivo induction of proteins during therapy of hairy cell leukemia with alpha-interferon. Samuels BL, et al. **Blood** 1987 Jun;69(6):1570–3

Immunohistochemical evaluation of bone marrow involvement in hairy cell leukemia during interferon therapy. Soligo D, et al. **Blut** 1987 Aug;55(2):121–6

Recombinant leukocyte A interferon (rIFN-alpha A) in the treatment of disseminated malignant melanoma. Analysis of complete and long-term responding patients. Creagan ET, et al. **Cancer** 1986 Dec 15;58(12):2576–8

A phase II study of human rDNA alpha-2 interferon in patients with low grade non-Hodgkin's lymphoma. Wagstaff J, et al. **Cancer Chemother Pharmacol** 1986; 18(1):54–8

Subcutaneous recombinant gamma interferon in cancer patients: toxicity, pharmacokinetics, and immunomodulatory effects. Thompson JA, et al. **Cancer Immunol Immunother** 1987;25(1):47–53

A phase I study of recombinant interferon gamma administered by s.c. injection three times per week in patients with solid tumours. Wagstaff J, et al. **Cancer Immunol Immunother** 1987;25(1):54–8

Phase I study of recombinant beta-interferon given by four-hour infusion. Grunberg SM, et al. **Cancer Res** 1987 Feb 15;47(4):1174–8

Recombinant human tumor necrosis factor-alpha: evidence of an indirect mode of antitumor activity. Manda T, et al. **Cancer Res** 1987 Jul 15;47(14):3707–11

Phase I/II trial of interferon-beta-serine in patients with renal cell carcinoma: immunological and biological effects. Rinehart JJ, et al. **Cancer Res** 1987 May 1;47(9):2481–5

Induction of tumoricidal activity in isolated rat liver macrophages by liposomes containing recombinant rat gamma-interferon supplemented with lipopolysaccharide or muramyldipeptide. Stukart MJ, et al. **Cancer Res** 1987 Jul 15;47(14):3880–5

Immunomodulatory and immunotherapeutic properties of recombinant gamma-interferon and recombinant tumor

necrosis factor in mice. Talmadge JE, et al. **Cancer Res** 1987 May 15;47(10):2563–70

Phase II study of recombinant interferon–gamma in patients with disseminated malignant melanoma. Creagan ET, et al. **Cancer Treat Rep** 1987 Sep;71(9):843–4

Phase I study of recombinant beta ser 17 interferon in the treatment of cancer. Sarna G, et al. **Cancer Treat Rep** 1986 Dec;70(12):1365–72

Reduction in experimental infarct size by recombinant human superoxide dismutase: insights into the pathophysiology of reperfusion injury. Ambrosio G, et al. **Circulation** 1986 Dec;74(6):1424–33

Evidence for a reversible oxygen radical–mediated component of reperfusion injury: reduction by recombinant human superoxide dismutase administered at the time of reflow. Ambrosio G, et al. **Circulation** 1987 Jan; 75(1):282–91

Development of mullerian inhibiting substance as an anti–cancer drug. Cate RL, et al.
Cold Spring Harbor Symp Quant Biol 1986;51 Pt 1:641–7

Human growth hormone: from clone to clinic. Seeburg PH.
Cold Spring Harbor Symp Quant Biol 1986;51 Pt 1:669–77

Use of recombinant interferon in HSV–1 recurrence in the rabbit. Matli M, et al. **Curr Eye Res** 1987 Jan;6(1):265–8

Glycaemic control in diabetic patients transferred from therapy with animal insulins to human crystalline zinc insulin of recombinant DNA origin: a multicentre study. Leiper JM, et al. **Diabetes Res** 1987 Jan;4(1):1–4

Natural killer response to exogenous interferon in delta hepatitis: boost or depression defined within the first week of therapy. Actis GC, et al. **Digestion** 1987;37(1):51–8

Reduced incidence of hepatic metastases by perioperative treatment with recombinant human interleukin–2. Weese JL, et al. **Dis Colon Rectum** 1987 Jul;30(7):503–7

Treatment of pituitary dwarfism with authentic recombinant human growth hormone (SM–9500). Takano K, et al.
Endocrinol Jpn 1987 Apr;34(2):291–7

Recombinant interferon alfa–2C versus polychemotherapy (VMCP) for treatment of multiple myeloma: a prospective randomized trial. Ludwig H, et al.
Eur J Cancer Clin Oncol 1986 Sep;22(9):1111–6

Recombinant human interferon alpha–2 and juvenile chronic myelogenous leukemia: cell receptor binding, enzymatic induction, and growth suppression in vitro. Estrov Z, et al. **Exp Hematol** 1987 Feb;15(2):127–32

Immunotherapy in a case of AIDS with Kaposi's sarcoma—an unsuccessful attempt with recombinant alpha–2 interferon followed by isoprinosine. Roupe G, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):17–9

In vivo anti–tumour activity of recombinant human and murine TNF, alone and in combination with murine IFN–gamma, on a syngeneic murine melanoma. Brouckaert PG, et al. **Int J Cancer** 1986 Nov 15;38(5):763–9

Further experience with recombinant interferon alfa–2a with vinblastine in metastatic renal cell carcinoma: a progress report. Fossâ SD, et al. **Int J Cancer [Suppl]** 1987;1:36–40

Management of cancer patients receiving interferon alfa–2a. Gauci L. **Int J Cancer [Suppl]** 1987;1:21–30

Recombinant interferon alfa–2a in advanced malignant melanoma. A phase I–II study in combination with DTIC. McLeod GR, et al. **Int J Cancer [Suppl]** 1987;1:31–5

Interferons in the treatment of multiple myeloma. Ohno R.
Int J Cancer [Suppl] 1987;1:14–20

Two randomised phase II trials of intermittent intravenous versus subcutaneous alpha–2 interferon alone (trial 1) and in combination with 5–fluorouracil (trial 2) in advanced colorectal cancer. Clark PI, et al. **Int J Color Dis** 1987 Feb;2(1):26–9

Treatment of metastatic malignant melanoma with recombinant interferon alfa–2b. Dorval T, et al.
Invest New Drugs 1987;5 Suppl:S61–3

Treatment of chronic myelogenous leukemia with recombinant interferon alfa–2b. Niederle N, et al.
Invest New Drugs 1987;5 Suppl:S19–25

Recombinant alpha interferons 1986: a review. Lindquist DL, et al. **Iowa Med** 1987 Jan;77(1):32, 34, 36

Activation of the complement system by recombinant tissue plasminogen activator. Bennett WR, et al.
J Am Coll Cardiol 1987 Sep;10(3):627–32

Comparative properties of two clinical preparations of recombinant human tissue–type plasminogen activator in patients with acute myocardial infarction. Garabedian HD, et al. **J Am Coll Cardiol** 1987 Mar;9(3):599–607

Coronary thrombolysis with recombinant tissue–type plasminogen activator: patency rate and regional wall motion after 3 months. Jang IK, et al.
J Am Coll Cardiol 1986 Dec;8(6):1455–60

Prevention of viral myocarditis with recombinant human leukocyte interferon alpha A/D in a murine model. Matsumori A, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1320–5

Thrombolysis in myocardial infarction (TIMI): comparative studies of coronary reperfusion and systemic fibrinogenolysis with two forms of recombinant tissue–type plasminogen activator. Mueller HS, et al.
J Am Coll Cardiol 1987 Sep;10(3):479–90

Combination of fibroblast interferon (HuIFN beta), carboxamide (DTIC), and cimetidine for advanced malignant melanoma. Abdi EA, et al.
J Biol Response Mod 1986 Oct;5(5):423–8

Phase II trial of recombinant leukocyte A interferon in advanced malignant melanoma. Elsässer–Beile U, et al.
J Cancer Res Clin Oncol 1987;113(3):273–8

Thrombolysis with recombinant human single–chain urokinase–type plasminogen activator (rscu–PA): dose–response in dogs with coronary artery thrombosis. Van de Werf F, et al. **J Cardiovasc Pharmacol** 1987 Jan; 9(1):91–3

A phase I clinical trial of recombinant DNA gamma interferon. Brown TD, et al. **J Clin Oncol** 1987 May; 5(5):790–8

Phase II study of interferon alfa–2a, recombinant (Roferon–A) in metastatic renal cell carcinoma. Buzaid AC, et al. **J Clin Oncol** 1987 Jul;5(7):1083–9

Randomised controlled trial of lymphoblastoid interferon for chronic active hepatitis B. Anderson MG, et al.
J Hepatol 1986;3 Suppl 2:S225–7

Recombinant leucocyte interferon treatment of chronic hepatitis B. An analysis of two therapeutic trials. Dusheiko GM, et al. **J Hepatol** 1986;3 Suppl 2:S199–207

Treatment of hepatitis B surface antigen (HBsAg)–positive chronic hepatitis with recombinant leucocyte alpha–A interferon. Hess G, et al. **J Hepatol** 1986;3 Suppl 2:S245–51

Interferon therapy of chronic hepatitis B virus infection in Chinese. Lok AS, et al. **J Hepatol** 1986;3 Suppl 2:S209–15

Antiviral treatment in chronic hepatitis B. Data of 5 prospectively controlled randomized trials. Müller R, et al. **J Hepatol** 1986;3 Suppl 2:S217–23

Treatment of chronic delta hepatitis with alpha–2 recombinant interferon. Rizzetto M, et al. **J Hepatol** 1986; 3 Suppl 2:S229–33

Lymphoblastoid and recombinant alpha–A interferon therapy of chronic hepatitis B virus infection. The Royal Free Hospital experience. Thomas HC, et al. **J Hepatol** 1986;3 Suppl 2:S193–7

Recombinant human interferon–alpha A treatment of an experimental cutaneous herpes simplex virus type 1 infection of guinea pigs. Freeman DJ, et al.
J Interferon Res 1987 Apr;7(2):213–22

Methionyl human growth hormone and oxandrolone in Turner syndrome: preliminary results of a prospective randomized trial. Rosenfeld RG, et al. **J Pediatr** 1986 Dec; 109(6):936–43

Remarkable responses of metastatic renal cell cancer in multiple organs treated with alpha–interferon. Takita T, et al. **J Urol** 1986 Nov;136(5):1061–2

Experimental studies on the combined effects of alpha and gamma interferons against human tumor xenografts transplanted into nude mice. Nosoh Y, et al.
Jpn J Surg 1987 May;17(3):168–73

Natural IFN–alpha therapy in hairy–cell leukaemia (namalva–type IFN—Wellferon). Worman CP, et al.
Klin Wochenschr 1987 Jul 15;65(14):685–7

Erythropoietin [editorial] **Lancet** 1987 Apr 4;1(8536):781–2

A new biosynthetic human growth hormone.
Med Lett Drugs Ther 1987 Jul 31;29(745):73–4

Animal models for investigating antitumor effects of interferon. Balkwill FR. **Methods Enzymol** 1986;119:649–57

Rabies experiment [letter] Koprowski H, et al. **Nature** 1987 Apr 16–22;326(6114):636

Antiviral effects of recombinant tumour necrosis factor in vitro. Mestan J, et al. **Nature** 1986 Oct 30–Nov 5; 323(6091):816–9

Interferon alpha in the treatment of AIDS–associated Kaposi's sarcoma. Kern P, et al. **Onkologie** 1987 Feb; 10(1):50–2

The inhibition of endotoxin–induced local inflammation by LDH virus or LDH virus–infected tumors is mediated by interferon. Heremans H, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):6–15

Discussions on human gene therapy. Milewski EA.
Recomb DNA Tech Bull 1986 Jun;9(2):88–130

The effect of alpha and gamma–interferon on proliferation and production of IgE and beta 2–microglobulin in the human myeloma cell line U–266 and in an alpha–interferon resistant U–266 subline. Brenning G, et al.
Scand J Haematol 1986 Oct;37(4):280–8

Perspectives on treatment of acute pulmonary embolism with tissue plasminogen activator. Goldhaber SZ, et al.
Semin Thromb Hemost 1987 Apr;13(2):171–7

D–Phe–Pro–Arg–chloromethylketone: its potential use in inhibiting the formation of in vitro artifacts in blood collected during tissue–type plasminogen activator thrombolytic therapy. Mohler MA, et al.
Thromb Haemost 1986 Oct 21;56(2):160–4

[Interferon in the treatment of malignant melanoma. Results of clinical studies] Elsässer–Beile U, et al. **Fortschr Med** 1987 Jun 20;105(21):401–3, 42 (Eng. Abstr.) **(Ger)**

[Behçet disease and exogenous interferon. A successful treatment study using recombinant alpha–A–IFN] Stadler R, et al. **Hautarzt** 1987 Feb;38(2):97–100 (Eng. Abstr.) **(Ger)**

[Effectiveness of gamma interferon and alpha interferon in hairy cell leukemia] Niederle N, et al. **Klin Wochenschr** 1987 Jul 15;65(14):706–12 (Eng. Abstr.) **(Ger)**

[Recombinant (IFN–alpha 2b) therapy in hairy cell leukemia] Schwarzmeier JD, et al. **Klin Wochenschr** 1987 Jul 15; 65(14):699–705 (Eng. Abstr.) **(Ger)**

[Low–dose alpha–interferon treatment of hairy cell leukemia] von Wussow P, et al. **Klin Wochenschr** 1987 Jul 15; 65(14):681–4 (Eng. Abstr.) **(Ger)**

[Treatment of nasopharyngeal cancer with recombinant gamma interferon (IFN). A report based on 2 patients] Zanetti F, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan; 66(1):54–6 (Eng. Abstr.) **(Ger)**

[Advantages and problems of multicenter therapy studies exemplified by a study of the treatment of metastasizing renal cell carcinoma with recombinant interferon–alpha–2c] Messerer D, et al. **Onkologie** 1987 Feb;10(1):43–9 (Eng. Abstr.) **(Ger)**

[Primary treatment of hairy cell leukemia with low–dose human recombinant interferon–alpha–2c (Hr–IFn alpha 2c) in comparison with therapy following splenectomy. Interferon (IFn–alpha 2c) in HCL before or after splenectomy] Pralle H, et al. **Onkologie** 1987 Feb;10(1):5–10 (Eng. Abstr.) **(Ger)**

[Interferon alpha 2C in the treatment of 2 patients with AIDS–associated Kaposi sarcoma] Steger G, et al.
Wien Klin Wochenschr 1987 Feb 20;99(4):120–3 (Eng. Abstr.) **(Ger)**

[rt–PA in acute myocardial infarct, randomized studies in Europe and the USA] von Essen R. **Z Kardiol** 1986;75 Suppl 5:101–6 (Eng. Abstr.) **(Ger)**

TOXICITY

Toxic effects of recombinant tumor necrosis factor in suckling mice. Comparisons with interferon alpha/beta. Gresser I, et al. **Am J Pathol** 1987 Jul;128(1):13–8

Preclinical safety testing of species–specific proteins produced with recombinant DNA–techniques. An attempt to transfer current experience into future testing strategies. Teelmann K, et al. **Arch Toxicol** 1986 Dec;59(4):195–200 (65 ref.)

A toxicity study of recombinant interferon–gamma given by intravenous infusion to patients with advanced cancer. Sriskandan K, et al. **Cancer Chemother Pharmacol** 1986; 18(1):63–8

Toxicities of human recombinant interferon–alpha 2 in patients with advanced prostate carcinoma. Chang AY, et al. **J Interferon Res** 1986 Dec;6(6):713–5

Intracellular cAMP regulates the cytotoxicity of recombinant tumor necrosis factor for L cells in vitro. Chun M, et al.
Lymphokine Res 1987 Summer;6(3):161–7

Endotoxic activities of tumor necrosis factor independent of IL1 secretion by macrophages/monocytes. Mannel DN, et al. **Lymphokine Res** 1987 Summer;6(3):151–9

Genetically engineered drugs: toxicology with a difference. Finkle BS. **Prog Clin Biol Res** 1987;235:161–7

Problems presented by animal toxicity studies. Harada Y.
Prog Clin Biol Res 1987;235:127–42

Case history of a biotechnology product: toxicological protocol, design and results. Stoll RE, et al.
Prog Clin Biol Res 1987;235:173–82

Biotechnology products intended for human use, toxicological targets and research strategies. Zbinden G.
Prog Clin Biol Res 1987;235:143–59

RECOMBINATION, GENETIC

In vivo replication and recombination of T4 bacteriophage DNA. Kozinski AW, et al. **Acta Microbiol Pol** 1986; 35(3–4):111–60 (75 ref.)

Recombination between the factor VIII gene and the DXS52 locus gives the most probable genetic order as centromere–fra(X)–DXS15–DXS52–F8C–telomere.
Mulligan LM, et al. **Am J Med Genet** 1987 Mar; 26(3):751–60

Enzymes of general recombination. Cox MM, et al.
Annu Rev Biochem 1987;56:229–62 (212 ref.)

Mammalian cell functions mediating recombination of genetic elements: topological restraints. Upcroft P.
Aust J Exp Biol Med Sci 1986 Dec;64 (Pt 6):535–43

Site–specific recombination of the yeast plasmid two–micron circle: intermediates in the binding process. Andrews BJ, et al. **Basic Life Sci** 1986;40:407–24

Prophage type of recombinants produced by cell fusion between various combinations of lysogenic or non–lysogenic substrains from two Staphylococcus aureus L–forms. Hirachi Y, et al. **Biken J** 1986 Jun;29(2):45–9

Gene conversion, recombination nodules, and the initiation of meiotic synapsis. Carpenter AT. **Bioessays** 1987 May; 6(5):232–6

Simulation of double–stranded branch point migration. Robinson BH, et al. **Biophys J** 1987 Apr;51(4):611–26

Fragile sites limited to lymphocytes: molecular recombination and malignancy. Hecht F, et al.
Cancer Genet Cytogenet 1987 May;26(1):95–104

Mitotic recombination can explain the apparent polyclonal origin of some tumors. Stamberg J, et al.
Cancer Genet Cytogenet 1987 Jul;27(1):5–8

Amplification and rearrangement of DNA sequences from the chromosomal region 2p24 in human neuroblastomas. Shiloh Y, et al. **Cancer Res** 1986 Oct;46(10):5297–301

Activation of the met oncogene in the human MNNG–HOS cell line involves a chromosomal rearrangement. Tempest PR, et al. **Carcinogenesis** 1986 Dec;7(12):2051–7

A fission yeast chromosome can replicate autonomously in mouse cells. Allshire RC, et al. **Cell** 1987 Jul 31; 50(3):391–403

DNA synthesis dependent on genetic recombination: characterization of a reaction catalyzed by purified bacteriophage T4 proteins. Formosa T, et al. **Cell** 1986 Dec 5;47(5):793–806

The gamma delta resolvase induces an unusual DNA structure at the recombinational crossover point. Hatfull GF, et al. **Cell** 1987 Apr 10;49(1):103–10

A large inverted duplication allows homologous

recombination between chromosomes heterozygous for the proximal t complex inversion. Herrmann BG, et al. **Cell** 1987 Mar 13;48(5):813–25

Extrachromosomal DNA substrates in pre–B cells undergo inversion or deletion at immunoglobulin V–(D)–J joining signals. Hesse JE, et al. **Cell** 1987 Jun 19;49(6):775–83

Mismatch repair and recombination in E. coli. Jones M, et al. **Cell** 1987 Aug 14;50(4):621–6

The mechanism of RNA recombination in poliovirus. Kirkegaard K, et al. **Cell** 1986 Nov 7;47(3):433–43

Duplication of seven exons in LDL receptor gene caused by Alu–Alu recombination in a subject with familial hypercholesterolemia. Lehrman MA, et al. **Cell** 1987 Mar 13;48(5):827–35

Recombination at the human alpha–globin gene cluster: sequence features and topological constraints. Nicholls RD, et al. **Cell** 1987 May 8;49(3):369–78

Site–specific recombination intermediates trapped with suicide substrates. Nunes–Düby SE, et al. **Cell** 1987 Aug 28;50(5):779–88

The interaction of recombination proteins with supercoiled DNA: defining the role of supercoiling in lambda integrative recombination. Richet E, et al. **Cell** 1986 Sep 26;46(7):1011–21

Chi–stimulated patches are heteroduplex, with recombinant information on the phage lambda r chain. Rosenberg SM. **Cell** 1987 Mar 13;48(5):855–65

Cellular factors couple recombination with growth phase: characterization of a new component in the lambda site–specific recombination pathway. Thompson JF, et al. **Cell** 1987 Sep 11;50(6):901–8

Recombination–stimulating sequences in yeast ribosomal DNA correspond to sequences regulating transcription by RNA polymerase I. Voelkel–Meiman K, et al. **Cell** 1987 Mar 27;48(6):1071–9

hobo is responsible for the induction of hybrid dysgenesis by strains of Drosophila melanogaster bearing the male recombination factor 23.5MRF. Yannopoulos G, et al. **Cell** 1987 May 22;49(4):487–95

Differentiation–linked gene rearrangement and expression in acute lymphoblastic leukaemia. Greaves MF, et al. **Clin Haematol** 1986 Aug;15(3):621–39 (97 ref.)

Genetic recombination and disease. Siniscalco M. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:191–4

Chromosomal mapping of four different integration sites of Moloney murine leukemia virus including the locus for alpha 1(I) collagen in mouse. Münke M, et al. **Cytogenet Cell Genet** 1986;43(3–4):140–9

Recombination nodules in the oocytes of the chicken, Gallus domesticus. Rahn MI, et al. **Cytogenet Cell Genet** 1986; 43(3–4):187–93

Recombination of selectable marker DNA in Nicotiana tabacum. Wirtz U, et al. **DNA** 1987 Jun;6(3):245–53

Cloning and sequencing of the PIF gene involved in repair and recombination of yeast mitochondrial DNA. Foury F, et al. **EMBO J** 1987 May;6(5):1441–9

Illegitimate recombination occurs between the replication origin of the plasmid pC194 and a progressing replication fork. Michel B, et al. **EMBO J** 1986 Dec 20;5(13):3691–6

Immunoglobulin heavy chain switch region recombination within a retroviral vector in murine pre–B cells. Ott DE, et al. **EMBO J** 1987 Mar;6(3):577–84

Use of a recombinant retrovirus to study post–implantation cell lineage in mouse embryos. Sanes JR, et al. **EMBO J** 1986 Dec 1;5(12):3133–42

Detection of rearranged T cell receptor beta–chain gene and induction of cytolytic function in interleukin 2–responsive day 14–15 murine fetal thymocytes. Hardt C, et al. **Eur J Immunol** 1986 Sep;16(9):1087–92

The adrenal X–zone of mice: genetic analysis of its development with recombinant–inbred strains. Janat MF, et al. **Exp Biol** 1987;46(4):217–21

Evolution of an inducible penicillin–target protein in methicillin–resistant Staphylococcus aureus by gene fusion. Song MD, et al. **FEBS Lett** 1987 Aug 31;221(1):167–71

In vivo dimerization of cauliflower mosaic virus DNA can explain recombination. Geldreich A, et al. **Gene** 1986; 48(2–3):277–86

Alterations in cloned Xenopus ribosomal spacers generated by high–frequency plasmid recombination. Morgan GT, et al. **Gene** 1986;49(3):389–94

Transposition studies of mini–Mu plasmids constructed from the chemically synthesized ends of bacteriophage Mu. Patterson TA, et al. **Gene** 1986;50(1–3):101–9

Gene fusion in vivo using transductional cointegrates. Struck DK, et al. **Gene** 1986;47(2–3):221–30

Synthesis of mutant parathyroid hormone genes via site–specific recombination directed by crossover linkers. Sung WL, et al. **Gene** 1986;47(2–3):261–7

Sex differences in recombination fraction estimates and their effect on ordering of chromosome 11 markers. Wong FL, et al. **Genet Epidemiol** 1986;Suppl 1:185–90

Properties of spontaneous mitotic recombination occurring in the presence of the rad52–1 mutation of Saccharomyces cerevisiae. Hoekstra MF, et al. **Genet Res** 1986 Aug; 48(1):9–17

The organization of genetic variation for recombination in Drosophila melanogaster. Brooks LD, et al. **Genetics** 1986 Oct;114(2):525–47

Meiotic segregation and male recombination in interspecific hybrids of Drosophila. Coyne JA. **Genetics** 1986 Oct; 114(2):485–94

Genetic functions promoting homologous recombination in Escherichia coli: a study of inversions in phage lambda. Ennis DG, et al. **Genetics** 1987 Jan;115(1):11–24 (71 ref.)

Chromosomal translocations generated by high–frequency meiotic recombination between repeated yeast genes. Jinks–Robertson S, et al. **Genetics** 1986 Nov;114(3):731–52

Fine structure recombinational analysis of cloned genes using yeast transformation. Kunes S, et al. **Genetics** 1987 Jan; 115(1):73–81

Induction of intrachromosomal recombination in yeast by inhibition of thymidylate biosynthesis. Kunz BA, et al. **Genetics** 1986 Oct;114(2):375–92

On recombination among In(2L)t, alpha–Gpdh and Adh in Drosophila melanogaster. Malpica JM, et al. **Genetics** 1987 Jan;115(1):141–2

Recalibration of the Pseudomonas aeruginosa strain PAO chromosome map in time units using high–frequency–of–recombination donors. O'Hoy K, et al. **Genetics** 1987 Apr;115(4):611–8

Reversal of a Neurospora translocation by crossing over involving displaced rDNA, and methylation of the rDNA segments that result from recombination. Perkins DD, et al. **Genetics** 1986 Nov;114(3):791–817

Optimal recombination rate in fluctuating environments. Sasaki A, et al. **Genetics** 1987 Feb;115(2):377–88

Tests of the double–strand–break repair model for red–mediated recombination of phage lambda and plasmid lambda dv. Thaler DS, et al. **Genetics** 1987 Aug; 116(4):501–11

Segregation distortion of X–linked marker genes in interspecific crosses between Mus musculus and M. spretus. Biddle FG. **Genome** 1987 Apr;29(2):389–92

Recombination block in the Spore killer region of Neurospora. Campbell JL, et al. **Genome** 1987 Feb; 29(1):129–35

A model for quantifying genetic recombination in chromosome polymorphisms due to supernumerary heterochromatic segments. de la Torre J, et al. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):345–9

Genetic risk and recombination fraction—an example of non–monotonic dependency. Krawczak M. **Hum Genet** 1987 Feb;75(2):189–90

A novel approach for the production of monoclonal antibodies using infectious vaccinia virus recombinants. Yilma T, et al. **Hybridoma** 1987 Aug;6(4):329–35

Recombinant congenic strains—a new tool for analyzing genetic traits determined by more than one gene. Démant P, et al. **Immunogenetics** 1986;24(6):416–22

The antigenic properties of twenty–four new H–2 congenic recombinant mouse strains. Hasenkrug KJ, et al. **Immunogenetics** 1986;24(6):423–7

Recombination hot spots within the I region of the mouse H–2 complex map to the E beta and E alpha genes. Lafuse WP, et al. **Immunogenetics** 1986;24(6):352–60

Sexual preference of meiotic recombination within the H–2 complex. Shiroishi T, et al. **Immunogenetics** 1987; 25(4):258–62

Clonal rearrangements of T–cell receptor and immunoglobulin genes and immunophenotypic antigen expression in different subclasses of Hodgkin's disease. Griesser H, et al. **Int J Cancer** 1987 Aug 15;40(2):157–60

A t(8;14)(q24;q11) translocation in a T–cell leukemia (L1–ALL) with c–myc and TcR–alpha chain locus rearrangements. Mathieu–Mahul D, et al. **Int J Cancer** 1986 Dec 15;38(6):835–40

Recombinant feline viruses containing the myc gene rapidly produce clonal tumours expressing T–cell antigen receptor gene transcripts. Onions D, et al. **Int J Cancer** 1987 Jul 15;40(1):40–5

A multicenter, randomized, placebo–controlled trial of a new form of intravenous recombinant tissue–type plasminogen activator (activase) in acute myocardial infarction. Topol EJ, et al. **J Am Coll Cardiol** 1987 Jun;9(6):1205–13

Role of transposition and homologous recombination in the rearrangement of plasmid DNA. Nies BA, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:35–41

Plasmid–to–chromosome gene transfer in Haemophilus influenza during growth. Balganesh M, et al. **J Bacteriol** 1986 Oct;168(1):458–9

A site–specific recombination function in Staphylococcus aureus plasmids. Gennaro ML, et al. **J Bacteriol** 1987 Jun; 169(6):2601–10

rpe, a cis–acting element from the strA region of the Haemophilus influenzae chromosome that makes plasmid establishment independent of recombination. McCarthy D, et al. **J Bacteriol** 1986 Oct;168(1):186–91

Synthesis of linear multimers of OriC and pBR322 derivatives in Escherichia coli K–12: role of recombination and replication functions. Silberstein Z, et al. **J Bacteriol** 1987 Jul;169(7):3131–7

Mutations in an integration host factor–binding site: effect on lambda site–specific recombination and regulatory implications. Thompson JF, et al. **J Bacteriol** 1986 Dec; 168(3):1343–51

rec–A protein–promoted recombination reaction consists of two independent processes, homologous matching and processive unwinding. A study involving an anti–rec–A protein–monoclonal IgG. Makino O, et al. **J Biol Chem** 1987 Sep 5;262(25):12237–46

Mapping of genes for cytochromes P–450b, P–450e, P–450g, and P–450h in the rat. Demonstration of two gene clusters with P450–b,e localized on chromosome I. Rampersaud A, et al. **J Biol Chem** 1987 Apr 25;262(12):5649–53

Electron microscopic visualization of the RecA protein–mediated pairing and branch migration phases of DNA strand exchange. Register JC 3d, et al. **J Biol Chem** 1987 Sep 15;262(26):12812–20

Kappa–chain gene rearrangement in an apparent T–lineage lymphoma. Ha–Kawa K, et al. **J Clin Invest** 1986 Dec; 78(6):1439–42

Fine mapping of epitopes by intradomain Kd/Dd recombinants. Abastado JP, et al. **J Exp Med** 1987 Aug 1;166(2):327–40

Persistence of chronic myelocytic leukemia despite deletion of rearranged bcr/c–abl sequences in blast crisis. Bartram CR, et al. **J Exp Med** 1986 Nov 1;164(5):1389–96

Simian virus 40 (SV40)–transgenic mice that develop tumors are specifically tolerant to SV40 T antigen. Faas SJ, et al. **J Exp Med** 1987 Feb 1;165(2):417–27

Amino acids at the site of V kappa–J kappa recombination not encoded by germline sequences. Heller M, et al. **J Exp Med** 1987 Sep 1;166(3):637–46

An expanded population of natural killer cells in mice with severe combined immunodeficiency (SCID) lack rearrangement and expression of T cell receptor genes. Lauzon RJ, et al. **J Exp Med** 1986 Nov 1;164(5):1797–802

Active lambda and kappa antibody gene rearrangement in Abelson murine leukemia virus–transformed pre–B cell lines. Persiani DM, et al. **J Exp Med** 1987 Jun 1; 165(6):1655–74

High frequency of clonal immunoglobulin or T cell receptor gene rearrangements in acute myelogenous leukemia expressing terminal deoxyribonucleotidyltransferase. Seremetis SV, et al. **J Exp Med** 1987 Jun 1;165(6):1703–12

Location of the site–specific recombination system of R46: a function necessary for plasmid maintenance. Dodd HM, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1009–20

Reassortment of Thogoto virus (a tick–borne influenza–like virus) in a vertebrate host. Jones LD, et al. **J Gen Virol** 1987 May;68 (Pt 5):1299–306

Equine leucocyte antigen system. IV. Recombination within the major histocompatibility complex (MHC). Lazary S, et al. **J Immunogenet** 1986 Aug;13(4):315–25

Start of mu–chain production by the further two–step rearrangements of immunoglobulin heavy chain genes on one chromosome from a DJH/DJH configuration in an Abelson virus–transformed cell line: evidence of secondary DJH complex formation. Maeda T, et al. **J Immunol** 1987 Apr 1;138(7):2305–10

Spontaneous deletion at the B2m locus: evidence for site–specific genetic rearrangement. Potter TA, et al. **J Immunol** 1987 Feb 15;138(4):1270–4

Immunoglobulin variable region heptamer–nonamer recognition sequence joined to rearranged D–J segment: implications for the immunoglobulin recombinase mechanism. Stenzel–Poore MP, et al. **J Immunol** 1987 May 1;138(9):3055–9

Colonization, virulence, and mucosal interaction of an enteropathogenic Escherichia coli (strain RDEC–1) expressing shigella somatic antigen in the rabbit intestine. Inman LR, et al. **J Infect Dis** 1986 Nov;154(5):742–51

Localisation of Xp21 meiotic exchange points in Duchenne muscular dystrophy families. Bertelson CJ, et al. **J Med Genet** 1986 Dec;23(6):531–7

Linking–number changes in the DNA substrate during Cre–mediated loxP site–specific recombination. Abremski K, et al. **J Mol Biol** 1986 Nov 5;192(1):17–26

Role of Escherichia coli IHF protein in lambda site–specific recombination. A mutational analysis of binding sites. Gardner JF, et al. **J Mol Biol** 1986 Sep 20;191(2):181–9

Structural and regulatory divergence among site–specific recombination genes of lambdoid phage. Leong JM, et al. **J Mol Biol** 1986 Jun 20;189(4):603–16

Site–specific and illegitimate recombination in the oriV1 region of the F factor. DNA sequences involved in recombination and resolution. O'Connor MB, et al. **J Mol Biol** 1986 May 5;189(1):85–102

Conservation of Chi cutting activity in terrestrial and marine enteric bacteria. Schultz DW, et al. **J Mol Biol** 1986 Jun 20;189(4):585–95

Directional control of site–specific recombination by bacteriophage lambda. Evidence that a binding site for Int protein far from the crossover point is required for integrative but not excisive recombination. Winoto A, et al. **J Mol Biol** 1986 Dec 5;192(3):677–80

Genetic recombination of markers for precocious development, arprinocid resistance, and isoenzymes of glucose phosphate isomerase in Eimeria acervulina. Sutton CA, et al. **J Parasitol** 1986 Dec;72(6):965–7

A unique four–stranded model of a homologous recombination intermediate. Hopkins RC. **J Theor Biol** 1986 May 21;120(2):215–22

High–frequency homologous recombination in vaccinia virus DNA. Ball LA. **J Virol** 1987 Jun;61(6):1788–95

Genetic background affects integration frequency of ecotropic proviral sequences into the mouse germ line. Bautch VL. **J Virol** 1986 Nov;60(2):693–701

Multistage Friend erythroleukemia: independent origin of tumor clones with normal or rearranged p53 cellular oncogenes. Chow V, et al. **J Virol** 1987 Sep;61(9):2777–81

Isolation and characterization of recombinants between attenuated and virulent aphthovirus strains. Giraudo AT, et al. **J Virol** 1987 Feb;61(2):419–25

Generation of altered transcripts by retroviral insertion

within the c-myb gene in two murine monocytic leukemias. Gonda TJ, et al. **J Virol** 1987 Sep;61(9):2754–63
Retroviral DNA integrated during infection by an integration-deficient mutant of murine leukemia virus is oligomeric. Hagino-Yamagishi K, et al. **J Virol** 1987 Jun; 61(6):1964–71
Recombinant vaccinia viruses carrying the N gene of human respiratory syncytial virus: studies of gene expression in cell culture and immune response in mice. King AM, et al. **J Virol** 1987 Sep;61(9):2885–90
An aberrant avian leukosis virus provirus inserted downstream from the chicken c-myc coding sequence in a bursal lymphoma results from intrachromosomal recombination between two proviruses and deletion of cellular DNA. Nottenburg C, et al. **J Virol** 1987 Jun; 61(6):1828–33
Resolution of a polyomavirus-mouse hybrid replicon: viral function required for recombination [published erratum appears in J Virol 1987 Jul;61(7):2349] Piché A, et al. **J Virol** 1987 Mar;61(3):845–50
fim-1 and fim-2: two new integration regions of Friend murine leukemia virus in myeloblastic leukemias. Sola B, et al. **J Virol** 1986 Nov;60(2):718–25
The four classes of endogenous murine leukemia virus: structural relationships and potential for recombination. Stoye JP, et al. **J Virol** 1987 Sep;61(9):2659–69
Acceptor sites for retroviral integrations map near DNase I-hypersensitive sites in chromatin. Vijaya S, et al. **J Virol** 1986 Nov;60(2):683–92
Rearrangement of the c-myc oncogene with heavy-chain immunoglobulin enhancer in tumor DNA from an acute lymphoblastic leukemia patient. Guerrasio A, et al. **JNCI** 1987 May;78(5):845–51
T cell receptor beta chain gene rearrangements in leukemias with immature T cell phenotype. Suzuki H, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1069–73
Genetic recombination between multiple markers of bacteriophage T4. III. A mutation which blocks a structural change of DNA required for strand exchange. Honda M. **Jpn J Exp Med** 1986 Dec;56(6):315–9
Genetic recombination between closely linked markers of bacteriophage T4. II. A mutation which reduces the formation of heteroduplex heterozygotes. Honda M. **Jpn J Exp Med** 1986 Dec;56(6):309–14
Recombination between Duchenne muscular dystrophy and DNA marker DXS164 (pERT87) [letter] Donald JA, et al. **Lancet** 1987 Jan 3;1(8523):39–40
Recombination between Duchenne and pERT87 variants [letter] Edwards JH. **Lancet** 1987 Jan 31;1(8527):273–4
Recombination within DXS52 (ST14) locus in family with haemophilia A [letter] Kirk HE, et al. **Lancet** 1987 Mar 7;1(8532):560–1
Rearrangement of immunoglobulin heavy chain genes and T3 expression in the absence of rearrangement of T-cell receptor beta-chain gene in a patient with T-cell malignant lymphoma. Ogawa H, et al. **Leuk Res** 1986;10(12):1369–75
Homologous recombination in Dictyostelium as a tool for the study of developmental genes. De Lozanne A. **Methods Cell Biol** 1987;28:489–95
Partial purification of an activity from human cells that promotes homologous pairing and the formation of heteroduplex DNA in the presence of ATP. Cassuto E, et al. **MGG** 1987 Jun;208(1–2):10–4
T-even type phages can change their host range by recombination with gene 34 (tail fibre) or gene 23 (head). Riede I. **MGG** 1986 Oct;205(1):160–3
Isolation and characterization of Streptomyces lividans mutants deficient in intraplasmid recombination. Tsai JF, et al. **MGG** 1987 Jun;208(1–2):211–8
Mitotic gene conversion lengths, coconversion patterns, and the incidence of reciprocal recombination in a Saccharomyces cerevisiae plasmid system. Ahn BY, et al. **Mol Cell Biol** 1986 Nov;6(11):3685–93
Saccharomyces cerevisiae SPT3 gene is required for transposition and transpositional recombination of chromosomal Ty elements. Boeke JD, et al. **Mol Cell Biol** 1986 Nov;6(11):3575–81
Intermolecular recombination assay for mammalian cells that produces recombinants carrying both homologous and nonhomologous junctions. Brouillette S, et al. **Mol Cell Biol** 1987 Jun;7(6):2248–55
Effects of poly[d(pGpT).d(pApC)] and poly[d(pCpG).d(pCpG)] repeats on homologous recombination in somatic cells. Bullock P, et al. **Mol Cell Biol** 1986 Nov;6(11):3948–53
Efficient homologous recombination of linear DNA substrates after injection into Xenopus laevis oocytes. Carroll D, et al. **Mol Cell Biol** 1986 Jun;6(6):2053–61
Intramolecular recombination between transfected repeated sequences in mammalian cells is nonconservative [published erratum appears in Mol Cell Biol 1986 Oct;6(10):3568] Chakraborti S, et al. **Mol Cell Biol** 1986 Jul;6(7):2520–6
Characterization of the rearranged tpr-met oncogene breakpoint. Dean M, et al. **Mol Cell Biol** 1987 Feb; 7(2):921–4
Use of a hybrid vaccinia virus-T7 RNA polymerase system for expression of target genes. Fuerst TR, et al. **Mol Cell Biol** 1987 Jul;7(7):2538–44
Nonhomologous recombination in the parvovirus chromosome: role for a CTATTTCT motif. Hogan A, et al. **Mol Cell Biol** 1986 Aug;6(8):3005–9
Recombination and ligation of transfected DNA in CHO mutant EM9, which has high levels of sister chromatid exchange. Hoy CA, et al. **Mol Cell Biol** 1987 May; 7(5):2007–11
Mating type-like conversion promoted by the 2 micrograms circle site-specific recombinase: implications for the double-strand-gap repair model. Jayaram M. **Mol Cell Biol** 1986 Nov;6(11):3831–7
Foreign DNA introduced by calcium phosphate is integrated into repetitive DNA elements of the mouse L cell genome. Kato S, et al. **Mol Cell Biol** 1986 May;6(5):1787–95
Identification of the crossover site during FLP-mediated recombination in the Saccharomyces cerevisiae plasmid 2 microns circle. McLeod M, et al. **Mol Cell Biol** 1986 Oct; 6(10):3357–67
Construction of a helper-free recombinant adenovirus that expresses polyomavirus large T antigen. Massie B, et al. **Mol Cell Biol** 1986 Aug;6(8):2872–83
Redesign of retrovirus packaging cell lines to avoid recombination leading to helper virus production. Miller AD, et al. **Mol Cell Biol** 1986 Aug;6(8):2895–902
AKXD recombinant inbred strains: models for studying the molecular genetic basis of murine lymphomas. Mucenski ML, et al. **Mol Cell Biol** 1986 Dec;6(12):4236–43
Effect of upstream reading frames on translation efficiency in simian virus 40 recombinants. Peabody DS, et al. **Mol Cell Biol** 1986 Jul;6(7):2704–11
Nonhomologous recombination in mammalian cells: role for short sequence homologies in the joining reaction. Roth DB, et al. **Mol Cell Biol** 1986 Dec;6(12):4295–304
Concerted deletions and inversions are caused by mitotic recombination between delta sequences in Saccharomyces cerevisiae. Rothstein R, et al. **Mol Cell Biol** 1987 Mar; 7(3):1198–207
Extrachromosomal and chromosomal gene conversion in mammalian cells. Rubnitz J, et al. **Mol Cell Biol** 1986 May; 6(5):1608–14
Functional expression of the cre-lox site-specific recombination system in the yeast Saccharomyces cerevisiae. Sauer B. **Mol Cell Biol** 1987 Jun;7(6):2087–96
Homologous recombination between single-stranded DNA and chromosomal genes in Saccharomyces cerevisiae. Simon JR, et al. **Mol Cell Biol** 1987 Jul;7(7):2329–34
Inverted duplication-transposition event in mammalian cells at an illegitimate recombination join. Williams TJ, et al. **Mol Cell Biol** 1986 Jun;6(6):2179–84
Homologous recombination between coinjected DNA sequences peaks in early to mid-S phase. Wong EA, et al. **Mol Cell Biol** 1987 Jun;7(6):2294–5
Investigation of the potential for mitotic recombination in the mouse. Fisher G, et al. **Mutat Res** 1986 Dec; 164(6):381–8
Hyper-mutation caused by the reml mutation in yeast is not dependent on error-prone or excision repair. Hoekstra MF, et al. **Mutat Res** 1987 Jun;178(2):201–10
Positive correlation between the occurrence of chromosome breakage and the induction of point mutations associated with male recombination 31.1 MRF system of hybrid dysgenesis in Drosophila melanogaster. Yannopoulos G, et al. **Mutat Res** 1987 Jan;176(1):37–45
Circular T-cell receptor gene recombination products [news] Alt FW, et al. **Nature** 1987 May 21–27;327(6119):189–90
Recombination between immunoglobulin variable region gene segments is enhanced by transcription. Blackwell TK, et al. **Nature** 1986 Dec 11–17;324(6097):585–9
Rearrangement of a chicken immunoglobulin gene occurs in the lymphoid lineage of transgenic mice. Bucchini D, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):409–11
Mammalian chiasma frequencies as a test of two theories of recombination. Burt A, et al. **Nature** 1987 Apr 23–29; 326(6115):803–5
Isolation of an excision product of T-cell receptor alpha-chain gene rearrangements [published erratum appears in Nature 1987 Jun 4–10;327(6121):439] Fujimoto S, et al. **Nature** 1987 May 21–27;327(6119):242–3
Communication between segments of DNA during site-specific recombination. Gellert M, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):401–4
High frequency of unequal recombination in pseudoautosomal region shown by proviral insertion in transgenic mouse. Harbers K, et al. **Nature** 1986 Dec 18–31; 324(6098):682–5
Effect of immunization with a vaccinia-HIV env recombinant on HIV infection of chimpanzees. Hu SL, et al. **Nature** 1987 Aug 20–26;328(6132):721–3
Enhanced translation of chimaeric messenger RNAs containing a plant viral untranslated leader sequence. Jobling SA, et al. **Nature** 1987 Feb 12–18;325(6105):622–5
Homology-dependent interactions in phage lambda site-specific recombination. Kitts PA, et al. **Nature** 1987 Sep 24–30;329(6137):346–8
Stimulation of protein-directed strand exchange by a DNA helicase. Kodadek T, et al. **Nature** 1987 Mar 19–25; 326(6110):312–4
Site-specific recombination. Making Holliday junctions [news] Leach D. **Nature** 1987 Sep 24–30;329(6137):290–1
Forty years of genetic recombination in bacteria. A fortieth anniversary reminiscence. Lederberg J. **Nature** 1986 Dec 18–31;324(6098):627–8
Exchange of terminal portions of X- and Y-chromosomal short arms in human XX males. Page DC, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):437–40
Forty years of genetic recombination in bacteria. Postmature scientific discovery? Zuckerman H, et al. **Nature** 1986 Dec 18–31;324(6098):629–31
Effects of microgravity on genetic recombination in Escherichia coli. Ciferri O, et al. **Naturwissenschaften** 1986 Jul;73(7):418–21
Personal computer program calculating the probability of paternity considering the recombination rates between HLA-A and B loci. Ota M, et al. **Nippon Hoigaku Zasshi** 1986 Dec;40(6):774–81
Mouse DNA 'fingerprints': analysis of chromosome localization and germ-line stability of hypervariable loci in recombinant inbred strains. Jeffreys AJ, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):2823–36
Homologous recombination intermediates between two duplex DNA catalysed by human cell extracts. Lopez B, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5643–55
The human kappa deleting element and the mouse recombining segment share DNA sequence homology. Siminovitch KA, et al. **Nucleic Acids Res** 1987 Mar 25; 15(6):2699–705
Mutagenic and recombinogenic action of DNA monoadducts photoinduced by the bifunctional furocoumarin 8-methoxypsoralen in yeast (Saccharomyces cerevisiae). Averbeck D, et al. **Photochem Photobiol** 1987 Mar; 45(3):371–9
RecA independent, site-specific recombination between ColE1 or ColK and a miniplasmid they complement for mobilization and relaxation: implications for the mechanism of DNA transfer during mobilization. Broome-Smith J. **Plasmid** 1980 Jul;4(1):51–63
Structural plasmid instability in recombination- and repair-deficient strains of Bacillus subtilis. Peijnenburg AA, et al. **Plasmid** 1987 Mar;17(2):167–70
Kinetic and segregational analysis of mitochondrial DNA recombination in yeast. Zinn AR, et al. **Plasmid** 1987 May; 17(3):248–56
Intramolecular recombination between partially homologous sequences in Escherichia coli and Xenopus laevis oocytes. Abastado JP, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6496–500
Modification of DNA ends can decrease end joining relative to homologous recombination in mammalian cells. Chang XB, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4959–63
Immune responses to H-2Kd antigen expressed by recombinant vaccinia virus. Coupar BE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7879–82
Immunoglobulin and T-cell receptor gene rearrangement and expression in human lymphoid leukemia cells at different stages of maturation. Davey MP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8759–63
Integration host factor is required for the DNA inversion that controls phase variation in Escherichia coli. Eisenstein BI, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6506–10
Recombinational substrates designed to study recombination between unique and repetitive sequences in vivo. Fasullo MT, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6215–9
Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase. Fuerst TR, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8122–6
Genetic instability in Drosophila melanogaster: cytogenetic analysis of MR-induced X-chromosome deficiencies. Green MM, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4533–7
Two mechanisms for directional gene conversion. Hamza H, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7386–90
T-cell antigen-receptor genes in autoimmune mice. Hashimoto Y, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7865–9
Immunoglobulin and T-cell receptor beta-chain gene rearrangement analysis of Hodgkin's disease: implications for lineage determination and differential diagnosis. Knowles DM 2d, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7942–6
RNA recombination of coronaviruses: localization of neutralizing epitopes and neuropathogenic determinants on the carboxyl terminus of peplomers. Makino S, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6567–71
Role of homology in site-specific recombination of bacteriophage lambda: evidence against joining of cohesive ends. Nash HA, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4049–53
A 24-base-pair DNA sequence from the MAT locus stimulates intergenic recombination in yeast. Nickoloff JA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7831–5
Mitotic recombination between homologous chromosomes generates H-2 somatic cell variants in vitro. Potter TA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1634–7
V kappa and J kappa gene segments of A/J Ars-A antibodies: somatic recombination generates the essential arginine at the junction of the variable and joining regions. Sanz I, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1085–9
Differential effects of base-pair mismatch on intrachromosomal versus extrachromosomal recombination in mouse cells. Waldman AS, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5340–4
Roles of double-strand breaks in generalized genetic recombination. Stahl FW. **Prog Nucleic Acid Res Mol Biol** 1986;33:169–94 (69 ref.)
Genetic recombination. Stahl FW. **Sci Am** 1987 Feb; 256(2):90–101
Programmed gene rearrangements altering gene expression.

Borst P, et al. **Science** 1987 Feb 6;235(4789):658–67 (103 ref.)

Meiotic recombination in yeast: alteration by multiple heterozygosities. Borts RH, et al. **Science** 1987 Sep 18; 237(4821):1459–65

Evidence for reduced recombination on the nondisjoined chromosomes 21 in Down syndrome. Warren AC, et al. **Science** 1987 Aug 7;237(4815):652–4

Lack of evidence for intertypic recombinants in the pathogenesis of recurrent genital infections with herpes simplex virus type 1. Fife KH, et al. **Sex Transm Dis** 1986 Jul–Sep;13(3):138–44

Effects of Bloom's syndrome fibroblasts on genetic recombination and mutagenesis of herpes simplex virus type 1. Bubley GJ, et al. **Somatic Cell Mol Genet** 1987 Mar; 13(2):111–7

Selection for phenylalanine hydroxylase activity in cells transformed with recombinant retroviruses. Ledley FD, et al. **Somatic Cell Mol Genet** 1987 Mar;13(2):145–54

The role of recombination and selection in the modifier theory of sex–ratio distortion. Lessard S. **Theor Popul Biol** 1987 Apr;31(2):339–58

A general reduction principle for genetic modifiers of recombination. Liberman U, et al. **Theor Popul Biol** 1986 Dec;30(3):341–71

Transfection and recombination with molecularly cloned derivatives of avian sarcoma virus UR2. Das KS, et al. **Virology** 1986 Oct 30;154(2):415–9

Activation of int–1 and int–2 loci in GRf mammary tumors. Gray DA, et al. **Virology** 1986 Oct 30;154(2):271–8

Generation of competent virus in the REV helper cell line C3. Hu S, et al. **Virology** 1987 Aug;159(2):446–9

Complementation between SV40 and RFV defectives and acquisition of SV40 origins by late RFV genomes [published erratum appears in Virology 1987 May;158 (1):263] O'Neill FJ, et al. **Virology** 1986 Oct 30; 154(2):344–56

The primary structure of crossover regions of intertypic poliovirus recombinants: a model of recombination between RNA genomes. Romanova LI, et al. **Virology** 1986 Nov; 155(1):202–13

Another HLA–B/C recombination. Kirnbauer M, et al. **Vox Sang** 1987;52(3):244–5

[Chromosomal changes and genetic recombination] Ayusawa D. **Tanpakushitsu Kakusan Koso** 1986 Oct;31(13):1437–50 (26 ref.) **(Jpn)**

[Gene transfer into mammalian cells by electroporation] Hama–Inaba H, et al. **Tanpakushitsu Kakusan Koso** 1987 Jan;32(1):10–21 (41 ref.) **(Jpn)**

[Recombinant RNA and its replication] Hulanicka D. **Postepy Biochem** 1985;31(3–4):589–91 **(Pol)**

[Use of a method of fusing actinomycete protoplasts for obtaining recombinant strains that form new antibiotics] Dudnik IuV, et al. **Antibiot Med Biotekhnol** 1987 Feb; 32(2):86–9 (46 ref.) **(Rus)**

[Double recombinants of the vaccinia virus expressing hepatitis B virus surface antigen and herpes simplex virus thymidine kinase] Al'shteĭn AD, et al. **Dokl Akad Nauk SSSR** 1986;289(6):1493–6 **(Rus)**

[Integration and expression of the human dihydrofolate reductase gene in the Bacillus subtilis chromosome] Poluéktova EU, et al. **Dokl Akad Nauk SSSR** 1987; 293(5):1249–52 **(Rus)**

[The ssb gene in the inducible and constitutive pathways of recombination in Escherichia coli K–12] Vinogradskaia GR, et al. **Dokl Akad Nauk SSSR** 1986 Sep–Oct; 290(1):228–31 **(Rus)**

[The type of recombination in Drosophila melanogaster mei–9LI males induced by space flight factors] Aslanian MM, et al. **Genetika** 1987 Feb;23(2):283–6 (Eng. Abstr.) **(Rus)**

[RecE–independent recombination of plasmids in Bacillus subtilis cells] Bashkirov VI, et al. **Genetika** 1986 Dec; 22(12):2750–7 (Eng. Abstr.) **(Rus)**

[Genetic study of plasmid integration into yeast chromosomes. III. Selection for a phenotype of Saccharomyces cerevisiae (Meyen ex Hansen) clones which lost the 2–micron DNA and their genetic testing] Bulat SA, et al. **Genetika** 1987 Mar;23(3):421–30 (Eng. Abstr.) **(Rus)**

[Genetic study of plasmid integration into yeast chromosomes. IV. Integration of the plasmid pYF91 into different yeast chromosomes] Iarovoĭ BF, et al. **Genetika** 1987 Mar;23(3):431–9 (Eng. Abstr.) **(Rus)**

[The genetic Rec system of homologous recombination in Escherichia coli] Lantsov VA. **Genetika** 1986 Nov; 22(11):2560–71 (118 ref.) (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of stress–induced hereditary variability] Salganik RI. **Genetika** 1987 Jun;23(6):1050–63 (33 ref.) (Eng. Abstr.) **(Rus)**

[Plasmid R1drd–19–mediated superoligomerization of the plasmid pACYC184in the recB mutant of Escherichia coli K12] Terent'ev MA, et al. **Mol Biol (Mosk)** 1986 Nov–Dec; 20(6):1631–7 (Eng. Abstr.) **(Rus)**

[Plasmid recombination stimulated by restriction endonuclease EcoRI in vivo: formation of recombinant plasmids in recA+–cells of E. coli] Aleshkin GI, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):15–21 (Eng. Abstr.) **(Rus)**

[Study of the 210–degree region of the Bacillus subtilis chromosome using recombinant plasmids] Chikindas ML, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb;(2):20–4 (Eng. Abstr.) **(Rus)**

[Recombinant plasmids capable of integration into the chromosome of the cyanobacterium Anacystis nidulans R2] Elanskaia IV, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov; (11):20–4 (Eng. Abstr.) **(Rus)**

[The role of genes of the system of mismatched base correction in genetic recombination of Escherichia coli] Karimova GA, et al. **Mol Gen Mikrobiol Virusol** 1985 Oct; (10):29–34 (Eng. Abstr.) **(Rus)**

[Protein Z is not an endonuclease of the recF recombination pathway in Escherichia coli K12] Kil' IuV, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb;(2):17–20 (Eng. Abstr.) **(Rus)**

[Effect of mutations in recB, recC, sbcB and recF genes controlling the homologous recombination in Escherichia coli cells on transposition of Tn1] Kubaneishvili MG, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr;(4):31–4 (Eng. Abstr.) **(Rus)**

[Molecular biology of natural and constructed in vitro recombinants of human adenoviruses and SV40] Miroshnichenko OI, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):3–11 (47 ref.) (Eng. Abstr.) **(Rus)**

[Deletion of the phage lambda att80 Tn9 genome; the type of intramolecular recombination] Pokrovskaia MS, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):33–9 (Eng. Abstr.) **(Rus)**

[Characteristics of RecA–independent recombination of plasmids in E. coli cells producing restriction endonuclease EcoRI] Strikhanov SN, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):13–9 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on the survivability, mutagenesis and recombinogenesis of single–cell organisms] Gus'kov EP, et al. **Tsitol Genet** 1987 Jan–Feb;21(1):10–5 (Eng. Abstr.) **(Rus)**

[Characteristics of different recombinants of the Philippine variety of influenza virus H3N2] Podcherniaeva RIa, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):549–53 (Eng. Abstr.) **(Rus)**

[Infectivity of influenza viruses for an organ culture of human embryonic trachea and the change in this trait in recombination] Zazimko LA, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):533–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of bile acids on the mutagenicity and recombinogenicity of triethylene melamine in yeast strains MP1 and D61.M. Fahrig R. **Arch Toxicol** 1987; 60(1–3):192–7

Enhancement of carcinogen–induced mutations or recombinations by 12–O–tetradecanoyl–phorbol–13–acetate in the mammalian spot test. Fahrig R. **J Cancer Res Clin Oncol** 1987; 113(1):61–6

Induction, by thymidylate stress, of genetic recombination as evidenced by deletion of a transferred genetic marker in mouse FM3A cells. Ayusawa D, et al. **Mol Cell Biol** 1986 Oct;6(10):3463–9

[Molecular biology analysis of influenza virus mutants and recombinants resistant to remantadine] Indulen MK, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):609–13 **(Rus)**

RADIATION EFFECTS

Reciprocal and non–reciprocal homologous recombination between Escherichia coli chromosomal DNA and ultraviolet light–irradiated plasmid DNA. Mudgett JS, et al. **Gene** 1986;49(2):235–44

The effect of gamma radiation on recombination frequency in Caenorhabditis elegans. Kim JS, et al. **Genome** 1987 Jun; 29(3):457–62

Gene recombination in X–ray–sensitive hamster cells. Hamilton AA, et al. **Mol Cell Biol** 1987 Apr;7(4):1409–14

RECORDS

Easing the transfer from CCU. Craney JM, et al. **Am J Nurs** 1987 May;87(5):618–9

Combining care plan and Kardex. Matthewman J. **Am J Nurs** 1987 Jun;87(6):852–4

An evaluation of the use of medical examiner data for epidemiologic surveillance. Graitcer PL, et al. **Am J Public Health** 1987 Sep;77(9):1212–4

Problems in the measurement of child mortality where statistical systems are limited. Brass W. **Ann Soc Belg Med Trop** 1987;67 Suppl 1:57–79

Case note chaos: prevention is better than cure. Hutchison SM. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):813–4

Medical Subject Headings and medical terminology: an analysis of terminology used in hospital charts. Masarie FE Jr, et al. **Bull Med Libr Assoc** 1987 Apr;75(2):89–94

Maternity information systems [letter] Kernohan EE. **Community Med** 1986 Aug;8(3):252–3

The Venice Hospital forms construction program. Kapnek W. **Comput Nurs** 1986 Sep–Oct;4(5):191–2

A new automated tumor registry and clinical research system and its application to gynecologic oncology patients. Belinson JL, et al. **Gynecol Oncol** 1987 Jul;27(3):264–8

The automated anesthesia record. Gravenstein JS. **Int J Clin Monit Comput** 1986;3(2):131–4

Implementation of an advanced clinical and administrative hospital information system. Vegoda PR, et al. **Int J Clin Monit Comput** 1986;3(4):259–68

The epidemiology of infant deaths in the Armenian parish records of Lebanon. Armenian HK, et al. **Int J Epidemiol** 1986 Sep;15(3):373–8

Hospital record studies as a tool for staff education: a participatory research project in Guatemala. O'Connor P, et al. **J Community Health** 1987 Summer–Fall; 12(2–3):92–107

Tumor registries: measureable advantages. Phillips TW. **J Med Assoc Ga** 1986 Nov;75(11):684–5

Use of public pension scheme and industrial statistics data for supplement of company records in Denmark and influence on cohort mortality pattern. Lynge E, et al. **J Occup Med** 1987 May;29(5):430–2

Legal and ethical issues. Which will it be: confidential or open? Lindell AR. **J Prof Nurs** 1985 Jul–Aug;1(4):190

Record–keeping requirements of the Animals (Scientific Procedures) Act 1986 and how to meet them. Wootton R, et al. **Lab Anim** 1987 Jul;21(3):267–75

Should psychiatric patients be granted access to their hospital records? Sergeant H. **Lancet** 1986 Dec 6;2(8519):1322–5

Rapid estimation of hospitalization charges from a brief medical record review. Evaluation of a multivariate prediction model. Kukull WA, et al. **Med Care** 1986 Oct; 24(10):961–6

An automated procedure for determining patient numbers from episode of care records. Tyndall RM, et al. **Med Inf (Lond)** 1987 Apr–Jun;12(2):137–46

Efficacy of a computerized system applied to central operating theatre for medical records collection. Yamamoto K, et al. **Med Inf (Lond)** 1986 Oct–Dec; 11(4):329–38

Retrieval methodology for Navy inpatient records. Forman SA, et al. **Milit Med** 1987 Apr;152(4):190–3

The quality of occupational data recorded from the face sheet of Minnesota hospital medical records. Olsen GW, et al. **Minn Med** 1987 Feb;70(2):88–91

Screening tool for daily fetal movement. Lehman AE, et al. **Nurse Pract** 1987 Jan;12(1):40–2, 44

[Computer hardware for a surgical service] De Mol J, et al. **Acta Chir Belg** 1986 Sep–Oct;86(5):301–3 (Eng. Abstr.) **(Dut)**

[Another form for the recording of cause of death (letter)] Wildschut HI, et al. **Ned Tijdschr Geneeskd** 1987 Mar 14; 131(11):459–60 **(Dut)**

[Text processing in pathology. Setup and content of text data for autopsy reports] Meyer R, et al. **Zentralbl Allg Pathol** 1986;132(3):277–9 (Eng. Abstr.) **(Ger)**

[Processing histological findings with the Commodore 64 home computer] Iványi A, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):196–9 (Eng. Abstr.) **(Hun)**

[Use of a personal computer as a recorder] Suwa K. **Kokyu To Junkan** 1986 Dec;34(12):1293–6 **(Jpn)**

[Medicolegal document materials chronologically arranged in the Meiji Era (4)] Koseki T. **Nippon Hoigaku Zasshi** 1986 Feb;40(1):53–65 **(Jpn)**

[A trainee register book] Matos Ferreira A. **Acta Med Port** 1986 May–Jun;7(3):135–43 (Eng. Abstr.) **(Por)**

[A trainee register book and post–graduate education in Portugal in the 80's] Pinto Correia J. **Acta Med Port** 1986 May–Jun;7(3):107–8 **(Por)**

[A formalized automated card for dynamic observation for a department of resuscitation and intensive therapy] Tsydenov MM, et al. **Anesteziol Reanimatol** 1987 May–Jun; (3):49–52 (Eng. Abstr.) **(Rus)**

[Experience with the creation of microcomputer–based automated case history system] Burakovskiĭ VI, et al. **Med Tekh** 1987 Mar–Apr;(2):3–8 (Eng. Abstr.) **(Rus)**

ECONOMICS

Copying cases far from over. Burda D. **Hospitals** 1987 Jun 20;61(12):76, 78

STANDARDS

A trial linkage of the road accident and vehicle registration files. Lindeijer JE. **Accid Anal Prev** 1987 Apr;19(2):91–104

The reliability of perinatal mortality statistics in The Netherlands. Doornbos JP, et al. **Am J Obstet Gynecol** 1987 May;156(5):1183–7

Validation of coronary heart disease hospital discharge data. Beaglehole R, et al. **Aust NZ J Med** 1987 Feb;17(1):43–6

A user–oriented validation method for clinical data. Rao NG, et al. **Med Inf (Lond)** 1986 Oct–Dec;11(4):317–28

[The quality of statistics on causes of death as recorded by the family physician] Schadé E. **Ned Tijdschr Geneeskd** 1986 Dec 20;130(51):2307–9 (Eng. Abstr.) **(Dut)**

[Definition and classification of perinatal mortality] Hertoghe L, et al. **Rev Epidemiol Sante Publique** 1986;34(3):161–7 (Eng. Abstr.) **(Fre)**

[Model of a uniform system for surgical statistics and quality assurance in surgery] Herwig H, et al. **Zentralbl Chir** 1987; 112(7):409–18 (Eng. Abstr.) **(Ger)**

RECOVERY ROOM

[Pulse oximeter. Clinical assessment in the recovery room] Devalois B, et al. **Ann Fr Anesth Reanim** 1987;6(4):364–6 (Eng. Abstr.) **(Fre)**

STANDARDS

A quality assurance program. Operating room/postanesthesia care unit. Faurer S. **AORN J** 1987 Jun;45(6):1384–5, 1388–9, 1392–3

RECREATION

All-terrain vehicle accidents: the experience of one hospital located near a major recreational area. Trager GW, et al. **Ann Emerg Med** 1986 Nov;15(11):1293–6

Water sports and sickle cell anemia [letter] Ratner SJ, et al. **Ann Intern Med** 1986 Dec;105(6):971

Increasing recreational behavior in mentally retarded children. Katz RC, et al. **Behav Modif** 1986 Oct; 10(4):508–19

Injuries and deaths associated with off-road recreational vehicles among children in Manitoba. Postl BD, et al. **Can Med Assoc J** 1987 Aug 15;137(4):297–300

The youth diabetic (YD) project at Firbush. Farquhar JW. **Diabetic Med** 1985 Sep;2(5):424

Constraints to participation in outdoor recreation across the life span: a nationwide study of limitors and prohibitors. McGuire FA, et al. **Gerontologist** 1986 Oct;26(5):538–44

Recreational infections [letter] Maffei C, et al. **Infect Control** 1987 Mar;8(3):90

Outdoor recreation participation across the lifespan: abandonment, continuity, or liberation? McGuire FA, et al. **Int J Aging Hum Dev** 1986–87;24(2):87–100

Providing independent recreational activities to reduce stereotypic vocalizations in chronic schizophrenics. Wong SE, et al. **J Appl Behav Anal** 1987 Spring;20(1):77–81

Recreational use of psychoactive drugs by patients with cystic fibrosis. Stern RC, et al. **J Pediatr** 1987 Aug; 111(2):293–9

Leads from the MMWR. Recreational boating fatalities—Ohio, 1983–1986. **JAMA** 1987 Jul 3;258(1):22, 24

Physicians enamored of adventurous life make the great outdoors safer for all [news] Goldsmith MF. **JAMA** 1986 Dec 19;256(23):3197–9

Recreational boating fatalities—Ohio, 1983–1986. **MMWR** 1987 Jun 5;36(21):321–4

Pediatric head injury resulting from all-terrain vehicle accidents. Kriel RL, et al. **Pediatrics** 1986 Nov;78(5):933–5

All-terrain vehicles—who says four-wheelers are safer? [letter] Sneed RC. **Pediatrics** 1986 Dec;78(6):1169–70

Injuries and fatalities associated with off-road three-wheeled all-terrain vehicles. Sewell CM, et al. **West J Med** 1987 Apr;146(4):497–8

[The health regimen of activity and rest in school children] Cousan A, et al. **Sante Publique (Bucur)** 1987 Jan–Mar; 30(1):45–9 **(Fre)**

[Hygienic characteristics of the organization of short-term recreation for the population] Bochkareva LA, et al. **Gig Sanit** 1986 Oct;(10):65–6 **(Rus)**

[Hygienic problems in the organization of recreation areas] Ivanova GV. **Gig Sanit** 1987 Feb;(2):61–3 **(Rus)**

[Effect of noise at recreational facilities on the functional status of resting subjects] Orlov OG, et al. **Gig Sanit** 1987 Mar;(3):32–5 (Eng. Abstr.) **(Rus)**

[Interpretation of a number of demographic indices in the North] Orekhov KV, et al. **Sov Zdravookhr** 1986;(9):27–31 **(Rus)**

RECRUITMENT (NEUROLOGY) see under **NEURAL CONDUCTION**

RECRUITMENT DETECTION (AUDIOLOGY)

The effect of cross-spectrum correlation on the detectability of a noise band. Cohen MF, et al. **J Acoust Soc Am** 1987 Mar;81(3):721–3

Effects of listening to music with headphones on hearing—especially under noisy conditions. Miyake S, et al. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):391–404

METHODS

[Measurement of comfortable loudness levels—basic study on a new method] Hosoi H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 May;90(5):730–5 (Eng. Abstr.) **(Jpn)**

RECRUITMENT, LOUDNESS

CHEMICALLY INDUCED

[Dynamics of the recruitment phenomenon in chemical industry workers] Savov A. **Probl Khig** 1986;11:124–33 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

A method for relating loudness-matching and intensity-discrimination data. Schlauch RS, et al. **J Speech Hear Res** 1987 Mar;30(1):13–20

[Recruitment and diplacusis. Current physiopathological concept] Bonfils P, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(3):213–7 (Eng. Abstr.) **(Fre)**

[Phenomenon of rapid increase in loudness during residual masking of a tone with a tone] Shupliakov VS, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1630–4 (Eng. Abstr.) **(Rus)**

RECTAL DISEASES

Xanthogranulomatous abscess of a mullerian duct remnant. A rare lesion of the rectum and anus. Davis M, et al. **Dis Colon Rectum** 1986 Nov;29(11):755–9

Anorectal disorders. **Gastroenterol Clin North Am** 1987 Mar; 16(1):1–195

Clinical spectrum of solitary rectal ulcer. Kochhar R, et al. **Indian J Gastroenterol** 1987 Jan;6(1):31–3

[International Course on Medico-Surgical Coloproctology. Paris, January 23–25, 1986] **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):299–375 **(Fre)**

[Demonstration of rectal myiasis in humans] Bernhard K. **Angew Parasitol** 1987 Mar;28(1):59–61 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Anorectal ergotism: another cause of solitary rectal ulcers. Eckardt VF, et al. **Gastroenterology** 1986 Nov;91(5):1123–7

Anorectal ulceration due to abuse of dextropropoxyphene and paracetamol suppositories [letter] Fenzy A, et al. **J R Soc Med** 1987 Jan;80(1):62

[Anorectal stenosis caused by suppositories of dextropropoxyphene and paracetamol (Diantalvic)] Hemet J, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):517–20 (Eng. Abstr.) **(Fre)**

[Solitary lesions of the rectum caused by suppositories combining acetylsalicylic acid and paracetamol] Lanthier P, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):250–3 (Eng. Abstr.) **(Fre)**

[Rectal stenosis after prolonged use of suppositories of Veganine (letter)] Ozoux JP, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):349–50 **(Fre)**

COMPLICATIONS

Systemic lupus erythematosus with rectal stenosis simulating tumour or diverticulosis. Case report. Palvio DH, et al. **Acta Chir Scand** 1987 Jan;153(1):63–5

Rectal bleeding: when and how to investigate. Goulston K, et al. **Aust Fam Physician** 1987 Apr;16(4):379, 382

Acute transanal ileal evisceration. Gooley NA, et al. **Dis Colon Rectum** 1987 Jun;30(6):479–81

Death in pemphigus vulgaris caused by lower gastrointestinal hemorrhage [letter] Ashworth J, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):394–5

Management of acute rectal problems in leukemic patients. Boddie AW Jr, et al. **J Surg Oncol** 1986 Sep;33(1):53–6

Preoperative evaluation of patients with inguinal hernia for colorectal disease. Pratt SM, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):53–6

[Acute hemorrhage from the colon and rectum] Probst M. **Med Klin** 1986 Feb 14;81(3):97–9 **(Ger)**

DIAGNOSIS

Primary Kaposi's sarcoma of the ileum presenting as massive rectal bleeding [letter] Neff R, et al. **Am J Gastroenterol** 1987 Mar;82(3):276–7

Non-neoplastic stenoses of the rectum. Saint-Pierre A, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov; 22(6):365–75 **(Eng, Fre)**

An evaluation of a direct access flexible fibreoptic sigmoidoscopy service. Vellacott KD, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):149–52

Early endoscopy for acute lower gastrointestinal haemorrhage. Vellacott KD. **Ann R Coll Surg Engl** 1986 Sep;68(5):243–4

Barium granuloma mimicking rectal carcinoma. Arlow FL, et al. **Henry Ford Hosp Med J** 1986;34(3):213–4

Rapid diagnosis of Chlamydia trachomatis rectal infection by direct immunofluorescence staining [letter] Rompalo AM, et al. **J Infect Dis** 1987 May;155(5):1075–6

Significance of bowel symptoms. Goulston K, et al. **Med J Aust** 1987 Jun 15;146(12):631–3

Colitis cystica profunda simulating rectal carcinoma. A case report. Schein M, et al. **S Afr Med J** 1987 Aug 15; 72(4):289–90

Comparison of blind transrectal ultrasonography with endoscopic transrectal ultrasonography in assessing rectal and perirectal diseases. Tio TL, et al. **Scand J Gastroenterol [Suppl]** 1986;123:104–11

Identification of small rectal perforations. Williams L, et al. **Surg Gynecol Obstet** 1987 May;164(5):475

Kaposi's sarcoma appearing as a rectal ulcer. Endean ED, et al. **Surgery** 1987 Jun;101(6):767–9

[Single nonspecific ulcer of the rectum] Bakalov V, et al. **Vutr Boles** 1986;25(4):29–32 (Eng. Abstr.) **(Bul)**

[Diagnosis and treatment of the solitary rectal ulcer syndrome] Kuijpers JH, et al. **Ned Tijdschr Geneeskd** 1987 Mar 14;131(11):443–6 (Eng. Abstr.) **(Dut)**

[Colonic inertia and rectal obstruction (Arbuthnot Lane disease)] Willocx R. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):347–52 (30 ref.) (Eng. Abstr.) **(Fre)**

[Colorectal tuberculosis. A case (letter)] Rodier B, et al. **Presse Med** 1987 Mar 28;16(11):539 **(Fre)**

[Hematoma of the rectal sheath: clinical report of experiences with special reference to ultrasound diagnosis] Meiser G, et al. **Chirurg** 1986 Oct;57(10):628–33 (Eng. Abstr.) **(Ger)**

[First experiences with trans-rectal echotomography in perianal abscess pathology] Cammarota T, et al. **Radiol Med (Torino)** 1986 Nov;72(11):837–40 (Eng. Abstr.) **(Ita)**

[Evaluation of the usefulness and degree of utilization of proctoscopy in the diagnosis of rectal bleeding and disorders of the rhythm of bowel movements] Szymański Z, et al. **Wiad Lek** 1987 Jan 15;40(2):90–3 (Eng. Abstr.) **(Pol)**

[Fibrosigmoidoscopy in the diagnosis of diseases of the large intestine] Kir'ianov IV. **Klin Med (Mosk)** 1987 May; 65(5):103–7 (Eng. Abstr.) **(Rus)**

[Use of rectoromanoscopy in polyclinics] Kharaberiush VA, et al. **Vrach Delo** 1987 Feb;(2):55–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of anorectal gonorrhoea infection in males and females with oral ampicillin. Altaf SW, et al. **Singapore Med J** 1986 Oct;27(5):403–6

[Treatment of anorectal gonorrhea with preparations of penicillin and levomycetin] Kechker VI, et al. **Vestn Dermatol Venerol** 1986;(11):57–60 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Ringlike rectal ulcers after biopsy or polypectomy. Lev-Toaff AS, et al. **AJR** 1987 Feb;148(2):285–6

Hematochezia in infants less than 6 months of age [letter] Silber GH, et al. **Am J Dis Child** 1986 Nov;140(11):1097–8

Severe hemorrhage from cytomegalovirus rectal ulcers in a burned adult. Ng JW, et al. **Am J Gastroenterol** 1987 Jul;82(7):695–8

Abdominal wall and colo-rectal pathology. Houdard C, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):333–8 **(Eng, Fre)**

Colorectal polyps: an important cause of rectal bleeding. Perisic VN. **Arch Dis Child** 1987 Feb;62(2):188–9

Botryomycosis in acquired immunodeficiency syndrome. Toth IR, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):246–9

Rectal impaction of gallstone [letter] Dickey W, et al. **Br J Hosp Med** 1987 Jun;37(6):556–7

Severe rectal bleeding due to Salmonella paratyphi B. Spence JA, et al. **Br Med J [Clin Res]** 1987 Jun 20;294(6587):1589

Anorectal and perianal complications of hematologic malignant neoplasms. Musa MB, et al. **Can J Surg** 1975 Nov;18(6):579–83

Rectal infections in acute leukemia. Yeomans AC. **Cancer Nurs** 1986 Dec;9(6):295–300

The pathogenesis and pathophysiology of rectal prolapse and solitary rectal ulcer syndrome. Mackle EJ, et al. **Clin Gastroenterol** 1986 Oct;15(4):985–1002 (56 ref.)

Retroperitoneal abscess complicating colonoscopy polypectomy. Ostyn B, et al. **Dis Colon Rectum** 1987 Mar; 30(3):201–3

Perianal Crohn's disease. Cohen Z, et al. **Gastroenterol Clin North Am** 1987 Mar;16(1):175–89 (26 ref.)

"Solitary" rectal ulcer syndrome. Are "solitary" rectal ulcer syndrome and "localized" colitis cystica profunda analogous syndromes caused by rectal prolapse? Levine DS. **Gastroenterology** 1987 Jan;92(1):243–53 (139 ref.)

Solitary rectal ulcer (digital bowel evacuation: mucous colitis). Antia FP. **Indian J Gastroenterol** 1987 Jan;6(1):45

Perirectal mucocele after imperforate anus repair. Panicek DM, et al. **Pediatr Radiol** 1987;17(1):73–4

Gastrointestinal bleeding due to large bowel infiltration by chronic lymphocytic leukaemia. Tucker J, et al. **Postgrad Med J** 1986 Jan;62(723):45–6

Perineal gangrene in the patient with granulocytopenia: the importance of early diverting colostomy. Hiatt JR, et al. **Surgery** 1986 Nov;100(5):912–5

[Behçet's disease. Gastroenterological manifestations in 2 patients] Varotti C, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):45–9 (Eng. Abstr.) **(Ita)**

[A case of ulcerative colitis associated with perirectal abscess and steroid withdrawal syndrome] Chiba M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1520–3 **(Jpn)**

HISTORY

Classic articles in colonic and rectal surgery. John Hilton 1805–1878. On the influence of mechanical and physiological rest in the treatment of accidents and surgical diseases, and the diagnostic value of pain. **Dis Colon Rectum** 1987 Apr;30(4):304–13

METABOLISM

Mucin histochemistry in colorectal disease: principles and potential clinical applications. Bogomoletz WV. **Int J Color Dis** 1986 Oct;1(4):259–64 (62 ref.)

MICROBIOLOGY

The relevance of microbiology in the management of anorectal sepsis. Eykyn SJ, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):237–9

OCCURRENCE

Pharyngeal and rectal gonorrhea in Toronto males: decline in reported numbers [letter] Givan KF. **Can Med Assoc J** 1987 Jan 1;136(1):15

[Clinical study of colorectal lesions] Kashimura A. **Rinsho Hoshasen** 1976;21(3 Suppl):209–19 **(Jpn)**

PATHOLOGY

Solitary rectal ulcer syndrome. Twenty cases seen at an oncology center. Britto E, et al. **Dis Colon Rectum** 1987 May;30(5):381–5

Fournier's syndrome of urogenital and anorectal origin. A retrospective, comparative study. Enriquez JM, et al. **Dis Colon Rectum** 1987 Jan;30(1):33–7

Spirochaetosis of the human rectum associated with an intraepithelial mast cell and IgE plasma cell response. Gebbers JO, et al. **Gut** 1987 May;28(5):588–93

Restorative proctocolectomy with ileal reservoir: pathological and histochemical study of mucosal biopsy specimens. Shepherd NA, et al. **J Clin Pathol** 1987 Jun; 40(6):601–7

Perirectal developmental cyst. Jacobs DH, et al. **Kans Med** 1986 Nov;87(11):308–9, 316

Actin distribution patterns in patients with adenomatosis of colon and rectum. Goos CM, et al. **Mol Biol Rep** 1986; 11(4):225–30

Varicose anorectal tuberculosis. A case report. Fulton JO, et al. **S Afr Med J** 1987 Jan 24;71(2):108–9

[Solitary ulcer of the rectum. Apropos of a case in childhood and review of bibliography] Gallastegui Dañobeitia C, et al. **An Esp Pediatr** 1987 Apr;26(4):285–8 (21 ref.) **(Eng. Abstr.)** **(Spa)**

PHYSIOPATHOLOGY

Anorectal physiology and pathophysiology. Whitehead WE, et al. **Am J Gastroenterol** 1987 Jun;82(6):487–97 (69 ref.)

Impact of new technology on anorectal disorders [editorial] Williams NS. **Br J Surg** 1987 Apr;74(4):235–6

Anorectal function in the solitary rectal ulcer syndrome. Womack NR, et al. **Dis Colon Rectum** 1987 May; 30(5):319–23

Clinical application of anorectal manometry. Coller JA. **Gastroenterol Clin North Am** 1987 Mar;16(1):17–33

The anorectum. Anatomic and physiologic considerations in health and disease. Gordon PH. **Gastroenterol Clin North Am** 1987 Mar;16(1):1–15

PREVENTION & CONTROL

[Detection, prevention and treatment of proctologic diseases in general mass screening] Vrublevskii VA, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):51–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The efficacy of barium-enema examinations in patients with anorectal disease. Bowers FJ, et al. **Dis Colon Rectum** 1987 Apr;30(4):285–7

Radiologic impact on operative access to a retrorectal cyst. Burchell MC. **Dis Colon Rectum** 1987 May;30(5):396–7

Colorectal tuberculosis. Chaudhary A, et al. **Dis Colon Rectum** 1986 Nov;29(11):738–41

Computed tomography of rectal and perirectal disease in AIDS patients. Albin J, et al. **Gastrointest Radiol** 1987; 12(1):67–70

Barium enema and defaecography in the diagnosis and evaluation of the solitary rectal ulcer syndrome. Mahieu PH. **Int J Color Dis** 1986 Apr;1(2):85–90

Perirectal inflammatory disease: CT findings. Guillaumin E, et al. **Radiology** 1986 Oct;161(1):153–7

[Roentgen study of the large intestine] Kröger W. **Z Arztl Fortbild (Jena)** 1986;80(20):849–52 **(Ger)**

SURGERY

The Hartmann procedure for the treatment of colorectal emergencies. Hulkko OA, et al. **Acta Chir Scand** 1986 Aug–Sep;152:531–5

Incisional infection after colorectal surgery in obese patients. Nyström PO, et al. **Acta Chir Scand** 1987 Mar;153(3):225–7

Transverse colostomy or loop ileostomy as diverting stoma in colorectal surgery. Rutegård J, et al. **Acta Chir Scand** 1987 Mar;153(3):229–32

A new technique for excision of recurrent anastomotic strictures of the rectum. Hinton CP, et al. **Ann R Coll Surg Engl** 1986 Sep;68(5):260–1

Posterior sagittal anorectoplasty for adults. A sphincter-saving operation. Jorge E, et al. **Arch Surg** 1987 Sep;122(9):987–91

Use of a muscle graft for unhealed perineal sinus. Mann CV, et al. **Br J Surg** 1986 Dec;73(12):1000–1

Endoscopic treatment of stenosis following stapler anastomosis. Accordi F, et al. **Dis Colon Rectum** 1987 Aug; 30(8):647–9

Transrectal repair of rectocele using obliterative suture. Block IR. **Dis Colon Rectum** 1986 Nov;29(11):707–11

Management of anorectal horseshoe abscess and fistula. Held D, et al. **Dis Colon Rectum** 1986 Dec;29(12):793–7

Transrectal repair of rectocele [letter] O'Connor JJ. **Dis Colon Rectum** 1987 Apr;30(4):314

The surgical management of anorectal diseases in AIDS and pre-AIDS patients. Wexner SD, et al. **Dis Colon Rectum** 1986 Nov;29(11):719–23

Analysis of the morbidity, mortality, and cost of colostomy closure in traumatic compared with nontraumatic colorectal diseases. Williams RA, et al. **Dis Colon Rectum** 1987 Mar;30(3):164–7

Role of EEA stapler in rectal surgery. Rangabashyam N, et al. **Indian J Gastroenterol** 1987 Apr;6(2):81–2

1985 Clinical Investigative Forum. Part IV: Colon and rectum. **J La State Med Soc** 1986 Sep;138(9):49–50, 55–6

Laser therapy for severe radiation-induced rectal bleeding. Ahlquist DA, et al. **Mayo Clin Proc** 1986 Dec;61(12):927–31

Primary partial internal sphincterectomy in the treatment of anorectal abscess. Schouten WR, et al. **Neth J Surg** 1987 Apr;39(2):43–5

Major ambulatory surgery of the general surgical patient. Management of anorectal conditions, peripheral vascular problems, and gastrointestinal endoscopy. Davis JE. **Surg Clin North Am** 1987 Aug;67(4):761–90 (27 ref.)

[Preliminary results in 22 operations for terminal constipation in relation to a disorder of rectal stasis (letter)] Costalat G, et al. **J Chir (Paris)** 1987 Jun–Jul;124(6–7):403 **(Fre)**

[Endoscopic therapeutic interventions in the colorectal area] Waldmann D, et al. **Chirurg** 1987 Jun;58(6):402–8 **(Ger)**

[Emergency surgical indications of the colon and rectum—perforation and hemorrhage] Herfarth C, et al. **Langenbecks Arch Chir** 1986;369:311–20 (Eng. Abstr.) **(Ger)**

[Surgical preparation and technic and perioperative therapy in colorectal interventions: state of the art review] Grundmann R, et al. **Med Klin** 1987 Jul 17;82(15–16):532–7 (75 ref.) **(Ger)**

[Analgesia in proctology] Knoch HG, et al. **Zentralbl Chir** 1987;112(6):387–91 **(Ger)**

[Preventive use of antibiotics in surgery of the large intestine] Nagy A, et al. **Zentralbl Chir** 1987;112(9):577–88 **(Ger)**

[Spontaneous rectal sheath hematoma] Wündrich B, et al. **Zentralbl Chir** 1987;112(3):198–201 **(Ger)**

[Choice of an optimal method of anesthesia in emergency proctologic surgery] Aliev NA. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):54–6 (Eng. Abstr.) **(Rus)**

[Problems of rehabilitative and reconstructive surgery in colo-proctology] Fedorov VD, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):127–32 (Eng. Abstr.) **(Rus)**

[Selection of the method of treating patients with cicatricial stricture of the rectum] Makarov VP, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):62–6 (Eng. Abstr.) **(Rus)**

[Indications for the use of high-power laser in proctology] Pujol Soler R, et al. **Rev Esp Enferm Apar Dig** 1987 Mar; 71(3):223–7 (Eng. Abstr.) **(Spa)**

THERAPY

Recurrent intussusception: barium or surgery? Beasley SW, et al. **Aust NZ J Surg** 1987 Jan;57(1):11–4

Control of massive hemorrhage from rectal varices with sclerotherapy. Weiserbs DB, et al. **Gastrointest Endosc** 1986 Dec;32(6):419–21

Colonoscopy—a ten year Wellington experience. Isbister WH. **NZ Med J** 1987 Feb 11;100(817):74–7

[Proctology—highlights 1986] Vanscheidt W. **Fortschr Med** 1987 Jan 10;105(1):8–9 **(Ger)**

[Balloon dilatation of strictures of the upper and lower gastrointestinal tract] Wiig JN, et al. **Tidsskr Nor Laegeforen** 1987 Mar 20;107(8):748–50, 766 (Eng. Abstr.) **(Nor)**

VETERINARY

Rectovaginal constriction (RVC) in Jersey cattle: VI. Immunohistochemical studies of collagen. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1986 Aug;33(6):443–50

Rectovaginal constriction in Jersey cattle. VII. Anatomical characterization of the constriction rings in the anal and vestibular canals. Troyer D, et al. **Zentralbl Veterinarmed [A]** 1986 Sep;33(7):534–40

RECTAL FISTULA

COMPLICATIONS

Perianal fistulas in patients with Crohn's disease. van Dongen LM, et al. **Arch Surg** 1986 Oct;121(10):1187–90

Rectourethral fistula: a rare cause of infertility. Hershman M, et al. **Urology** 1986 Nov;28(5):399–400

CONGENITAL

Congenital rectovesical fistula in the absence of imperforate anus. Borger JA, et al. **J Pediatr Surg** 1987 Apr; 22(4):349–50

[Place of endoscopy in anorectal malformations] Sauvage P, et al. **Chir Pediatr** 1986;27(5):246–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Pararectal abscess with pelvic extension simulating gynecological disease. Evaldson GR. **Acta Obstet Gynecol Scand** 1986;65(7):803–4

Use of hydrogen peroxide to identify internal opening of anal fistula and perianal abscess [letter] Beavis RE. **Aust NZ J Surg** 1987 Feb;57(2):137

Intermediate imperforate anus: clinical and radiographic implications. Glasier CM, et al. **J Pediatr Surg** 1987 Apr; 22(4):351–2

Sacrococcygeal teratoma masquerading as fistula-in-ano. Pye G, et al. **J R Soc Med** 1987 Apr;80(4):251–2

[First experiences with trans-rectal echotomography in perianal abscess pathology] Cammarota T, et al. **Radiol Med (Torino)** 1986 Nov;72(11):837–40 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Infected Charnley hip prosthesis presenting as a perianal sinus. McKee RF, et al. **Br J Surg** 1987 Jul;74(7):646

Rectovaginal fistula following fecal impaction [letter] Houdart R, et al. **Gastroenterol Clin Biol** 1987 Jan;11(1):98

[Anal fistula—pathogenesis, diagnosis and treatment] Yampolski I, et al. **Harefuah** 1986 Jul;111(1–2):45–7 **(Heb)**

[Residual recto-urethral fistula in the intervention for ano-rectal atresia. Observations on a clinical case] De Dominicis C, et al. **Minerva Urol Nefrol** 1986 Oct–Dec; 38(4):403–9 (Eng. Abstr.) **(Ita)**

[Chronic rectal fistula after rectal amputation. Treatment with transposition of the gracilis muscle] Gravem PE, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2990–2 (Eng. Abstr.) **(Nor)**

HISTORY

[1686—the fistula of the Sun King] Rüttimann B. **Schweiz Rundsch Med Prax** 1986 Dec 2;75(49):1504–8 (Eng. Abstr.) **(Ger)**

[What did they celebrate in France in 1686? (circumstances of the successful operation of the Sun King)] Back F. **Orv Hetil** 1987 Apr 5;128(14):740–2 **(Hun)**

PATHOLOGY

Abnormal crypts of Morgagni: the cause of perianal abscess and fistula-in-ano. Shafer AD, et al. **J Pediatr Surg** 1987 Mar;22(3):203–4

Perianal mucinous adenocarcinoma and fistula-in-ano. Abramson DJ. **Milit Med** 1986 Oct;151(10):543–6

[External ileorectal fistula not completely removed during appendectomy] Papazov FK, et al. **Klin Khir** 1987;(2):37–8 **(Rus)**

PREVENTION & CONTROL

[How to avoid the occurrence of perianal fistulae] Khadzhiev D. **Khirurgiia (Sofiia)** 1987;40(1):57–9 **(Bul)**

RADIOGRAPHY

Enterovesical fistula. Sarr MG, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):41–8

SURGERY

One-stage resection and anastomosis in the management of colovesical fistula. Mileski WJ, et al. **Am J Surg** 1987 Jan; 153(1):75–9

Sliding flap advancement for the treatment of high level fistulae. Wedell J, et al. **Br J Surg** 1987 May;74(5):390–1

Management of anorectal horseshoe abscess and fistula. Held D, et al. **Dis Colon Rectum** 1986 Dec;29(12):793–7

Complex anal fistulae. Fazio VW. **Gastroenterol Clin North Am** 1987 Mar;16(1):93–114 (42 ref.)

Fistula-in-ano. Abcarian H, et al. **Int J Color Dis** 1987 Jun; 2(2):51–71

Excision of fistula in ano. Lewis A. **Int J Color Dis** 1986 Oct;1(4):265–7

Excision of fistula in ano [letter] O'Connor JJ. **Int J Color Dis** 1987 Jun;2(2):121

Internal sphincter-saving in imperforate anus with or without fistula. A manometric study. Penninckx F, et al. **Int J Color Dis** 1986 Jan;1(1):28–32

Fistula-in-ano is usually simple to manage surgically. Shouler PJ, et al. **Int J Color Dis** 1986 Apr;1(2):113–5

Fistula in ano [letter] Thomson JP. **Int J Color Dis** 1986 Oct;1(4):270

The bath water needs changing, but don't throw out the baby: an overview of anorectal anomalies. Smith ED. **J Pediatr Surg** 1987 Apr;22(4):335–48

Re: Prostatic and membranous urethrorectal fistulas: a new technique of surgical closure [letter] Gecelter L. **J Urol** 1987 Jan;137(1):126

Primary partial internal sphincterectomy in the treatment of anorectal abscess. Schouten WR, et al. **Neth J Surg** 1987 Apr;39(2):43–5

Rectourethral fistulas in Crohn's disease. Fazio VW, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):148–50

[Acquired preanal fistula in children] Xu BY. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):403–4, 445 (Eng. Abstr.) **(Chi)**

[Anal fistulae and their treatment] Cermák J. **Rozhl Chir** 1987 Apr;66(4):285–90 (Eng. Abstr.) **(Cze)**

[Treatment of complicated rectal fistula] Eryshov VV. **Khirurgiia (Mosk)** 1987 Mar;(3):69–71 (Eng. Abstr.) **(Rus)**

[Modified operation in extrasphincteral rectal fistulae] Kharaberiush VA, et al. **Vestn Khir** 1986 Oct;137(10):63–4 **(Rus)**

THERAPY

Ayurvedic treatment for fistula-in-ano. An example of cheap and simple technology for developing countries. Wolffers I. **Trop Doct** 1986 Jan;16(1):44

RECTAL NEOPLASMS

Pelvic recurrence of rectal cancer. Options for curative resection. Wanebo HJ, et al. **Ann Surg** 1987 May;

205(5):482–95
Occult hepatic metastases in colorectal carcinoma [letter] Benjamin IS, et al. **Br J Surg** 1986 Dec;73(12):1046
Colorectal cancer in patients older than 75 years of age. Bader TF. **Dis Colon Rectum** 1986 Nov;29(11):728–32
Ovarian metastasis from colorectal cancer. Birnkrant A, et al. **Dis Colon Rectum** 1986 Nov;29(11):767–71 (31 ref.)
Involvement of the penis by rectocolic adenocarcinoma. Report of a case and review of the literature. Haddad FS, et al. **Dis Colon Rectum** 1987 Feb;30(2):123–9
Lung recurrence after curative surgery for colorectal cancer. Pihl E, et al. **Dis Colon Rectum** 1987 Jun;30(6):417–9
Surgical resection of liver metastases from colo–rectal cancers. Nordlinger B, et al. **Int Surg** 1987 Apr–Jun; 72(2):70–2 (21 ref.)
Personal computer program for processing data from patients with colo–rectal cancer. Karouji S, et al. **Med Inf (Lond)** 1987 Jan–Mar;12(1):33–42
A basic audit: knowledge and attitudes of teaching and nonteaching surgeons towards colorectal cancer. Isbister WH, et al. **NZ Med J** 1987 Feb 25;100(818):115–9
Squamous cell carcinoma of the colon and rectum. Berardi RS, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):493–6
Examination of patient selection and outcome for hepatic resection for metastatic disease. Cobourn CS, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):239–46
Distribution of fluorodeoxyuridine uptake in the liver and colorectal hepatic metastases of human beings after arterial infusion. Ridge JA, et al. **Surg Gynecol Obstet** 1987 Apr; 164(4):319–23
Liver resection for metastatic colorectal cancer. Iwatsuki S, et al. **Surgery** 1986 Oct;100(4):804–10
A simplified plan for follow–up of patients with colon and rectal cancer supported by prospective studies of laboratory and radiologic test results. Sugarbaker PH, et al. **Surgery** 1987 Jul;102(1):79–87
[Cancer surgery for diffuse hepatic metastases. Apropos of 30 cases] Joyeux H, et al. **Chirurgie** 1987;113(2):113–6 (Eng. Abstr.) **(Fre)**
[Response to hepatic intra–arterial chemotherapy for metastases of colorectal cancer. Anatomo–pathological evaluation apropos of 3 cases of secondary hepatic excision] Gayral F, et al. **Gastroenterol Clin Biol** 1987 Jan; 11(1):88–92 (Eng. Abstr.) **(Fre)**
[Computerized x–ray tomographic aspects of calcifying hepatic metastases. Incidence of cancer of colorectal origin] Belloir A, et al. **J Radiol** 1986 Aug–Sep;67(8–9):583–7 (Eng. Abstr.) **(Fre)**
[Treatment of hepatic metastases of colo–rectal origin. Role of surgical excision and chemotherapy] Pettavel J. **Rev Med Suisse Romande** 1987 Jan;107(1):1–27 (109 ref.) (Eng. Abstr.) **(Fre)**
[Screening for colorectal carcinoma?] Scheurer U. **Ther Umsch** 1987 Jun;44(6):437–43 (34 ref.) (Eng. Abstr.) **(Ger)**
[Heart metastasis of adenocarcinoma of the rectum: echocardiographic study of a case] Iarussi D, et al. **Cardiologia** 1986 Mar;31(3):227–30 (Eng. Abstr.) **(Ita)**
[Colorectal tumors in patients under 40 years of age] Ferri M, et al. **Minerva Chir** 1987 May 31;42(10):849–53 (Eng. Abstr.) **(Ita)**
[Long–term clinical control and results of surgical treatment of metachronous hepatic metastasis of colorectal carcinoma. Personal experience] Secco GB, et al. **Minerva Chir** 1987 Jun 30;42(12):1031–5 (Eng. Abstr.) **(Ita)**
[Hepatic metastases of gastrointestinal carcinoma. Clinical and prognostic considerations] Sisto G, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar;33(1):25–8 (Eng. Abstr.) **(Ita)**
[Brain metastases of colorectal cancer—a case report] Ishikura A, et al. **Gan No Rinsho** 1987 Feb;33(2):188–92 (Eng. Abstr.) **(Jpn)**
[Surgical resection of pulmonary metastases from colorectal carcinoma] Takanami I, et al. **Gan No Rinsho** 1987 Mar; 33(3):278–82 (Eng. Abstr.) **(Jpn)**
[The effect and CT imaging of FAM hepatic infusion chemotherapy in patients with liver metastasis from colorectal carcinoma] Aoki T, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2744–8 (Eng. Abstr.) **(Jpn)**
[High–risk group—colorectal cancer] Kimura K, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2650–7 (Eng. Abstr.) **(Jpn)**
[Colorectal adenocarcinoma] Gilsanz García V, et al. **An R Acad Nac Med (Madr)** 1986;103(4):473–537 **(Spa)**
[Malignant anorectal melanoma. Presentation of 6 cases and review of the literature] Gómez Iglesias S, et al. **Rev Esp Enferm Apar Dig** 1987 Jul;72(1):19–24 (Eng. Abstr.) **(Spa)**

ANALYSIS

Flow cytometric studies of colorectal tumors using fine needle aspiration. Daver A, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):531–4
Immunostaining of colorectal cancer with monoclonal anti–CEA antibodies compared to serum and tumor CEA content. Pagé M, et al. **Anticancer Res** 1986 Sep–Oct; 6(5):893–6
Plasminogen activators in human colorectal neoplasia. Gelister JS, et al. **Br Med J [Clin Res]** 1986 Sep 20; 293(6549):728–31
Comparison of the tumor markers CEA, TPA, and CA 19–9 in colorectal carcinoma. Putzki H, et al. **Cancer** 1987 Jan 15;59(2):223–6
Role of cellular retinoic acid binding protein (cRABP) in patients with large bowel cancer. Di Fronzo G, et al. **Cancer Detect Prev** 1987;10(5–6):327–33
Diamineoxidase activity and tissue histamine content of human skin, breast and rectal carcinoma. Chanda R, et al. **Cancer Lett** 1987 Feb;34(2):207–12
Comparison of phenotypic and genotypic features in human primary large bowel carcinomas and lymph node metastases. Arends JW, et al. **Cancer Res** 1987 Aug 15; 47(16):4342–4
DNA in situ sensitivity to denaturation: a new parameter for flow cytometry of normal human colonic epithelium and colon carcinoma. Kunicka JE, et al. **Cancer Res** 1987 Aug 1;47(15):3942–7
The plasmin system in human adenocarcinomas and their metastases. A comparative immunofluorescence study. Burtin P, et al. **Int J Cancer** 1987 Feb 15;39(2):170–8
Mucin histochemistry in colorectal disease: principles and potential clinical applications. Bogomoletz WV. **Int J Color Dis** 1986 Oct;1(4):259–64 (62 ref.)
Immunohistochemical staining of colorectal tissues with monoclonal antibodies to ras oncogene p21 product and carbohydrate determinant antigen 19–9. Allen DC, et al. **J Clin Pathol** 1987 Feb;40(2):157–62
The importance of the ratio of lithocholic to deoxycholic acid in large bowel carcinogenesis. Owen RW, et al. **Nutr Cancer** 1987;9(2–3):67–71 (27 ref.)
Fecal steroids and colorectal cancer. Owen RW, et al. **Nutr Cancer** 1987;9(2–3):73–80
[Immunohistochemical study of oncogene–related products in human gastrointestinal malignancies—expression of ras p 21, fes p 85 and EGF receptor] Kitagami S, et al. **Gan No Rinsho** 1986 Dec;32(15):1950–8 (Eng. Abstr.) **(Jpn)**

BLOOD

A comparison of the macrophage migration inhibition (MMI) assay and the semi–automated leucocyte adherence inhibition (SALAI) assay. Isbister WH, et al. **Aust J Exp Biol Med Sci** 1986 Dec;64 (Pt 6):501–3
Serum retinol level in patients with colorectal premalignant and malignant lesions. Ostrowski J, et al. **Br J Cancer** 1987 Feb;55(2):203–5
ABH and Lewis blood group expression in colorectal carcinoma. Schoentag R, et al. **Cancer Res** 1987 Mar 15; 47(6):1695–700
Erythrocyte polyamine levels during intravenous feeding of patients with colorectal carcinoma. Ota DM, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):837–42
The effect of colorectal malignancies on monocyte migration, lysozyme production, and phagocytosis. Al–Sumidaie AM, et al. **Eur J Surg Oncol** 1986 Dec;12(4):367–71
Expression of LewisX and sialylated LewisX antigens in human colorectal polyps. Yuan M, et al. **JNCI** 1987 Mar; 78(3):479–88
Relation between the frequency of colorectal adenoma and the serum cholesterol level [letter] Neugut AI. **N Engl J Med** 1987 Jul 2;317(1):55–6
ABO blood groups, rhesus types, and colorectal adenocarcinoma. A retrospective study of 747 cases. Halvorsen TB. **Scand J Gastroenterol** 1986 Oct; 21(8):979–83
[Ferritin in colorectal tumor pathology. Value of the preoperative plasma determination] Ramella A, et al. **Minerva Chir** 1987 May 31;42(10):905–9 (Eng. Abstr.) **(Ita)**
[Determination of lipid–bound sialic acid levels in the diagnosis of recurrences of cancer of the rectum] Ozhiganov EL, et al. **Lab Delo** 1987;(3):204–7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Vascularization of malignant epithelial tumors of the rectum in relation to their morphologic structure] Fanardzhian KV, et al. **Vestn Rentgenol Radiol** 1986 Sep–Oct;(5):38–42 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Experimental colorectal cancer as a model of human disease. Gilbert JM. **Ann R Coll Surg Engl** 1987 Mar;69(2):48–53
The tropic effect of intrarectal deoxycholate on rat colorectum is unaffected by oral metronidazole. Rainey JB, et al. **Cell Tissue Kinet** 1986 Jul;19(4):485–90
Induction of colorectal tumors in rats by sulfated polysaccharides. Ishioka T, et al. **CRC Crit Rev Toxicol** 1987;17(3):215–44 (49 ref.)
Increased erythrocyte stearic acid desaturation in rats with chemically induced colorectal carcinomas. Habib NA, et al. **Int J Color Dis** 1987 Feb;2(1):12–4

CLASSIFICATION

[Problems in general rules/TNM classification, and prognosis—rectal cancer] Ohta H, et al. **Gan No Rinsho** 1986 Aug;32(10):1379–82 (Eng. Abstr.) **(Jpn)**
[Concept and classification of recurrences of rectal cancer] Knysh VI, et al. **Vopr Onkol** 1987;33(4):36–41 (25 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Colorectal neoplasms and Barrett's esophagus. Tripp MR, et al. **Am J Gastroenterol** 1986 Nov;81(11):1063–4
Colorectal polyps: an important cause of rectal bleeding. Perisic VN. **Arch Dis Child** 1987 Feb;62(2):188–9
Pyrexia of unknown origin and colorectal carcinoma. Kelleher JP, et al. **Br Med J [Clin Res]** 1986 Dec 6; 293(6560):1475–6
Primary adenocarcinoma of large bowel presenting with chronic diarrhea. Shuangshoti S. **J Med Assoc Thai** 1987 Mar;70(3):142–50
Perianal Bowen's disease associated with anorectal warts: a case report. Fiumara NJ, et al. **Sex Transm Dis** 1987 Jan–Mar;14(1):58–60
[Schistosomiasis and its prognostic significance in patients with colorectal cancer. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer] **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):149–51 (Eng. Abstr.) **(Chi)**
[Myocardial infarction and rectocolonic polyps] Audigier JC, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):558–61 (Eng. Abstr.) **(Fre)**
[Prevalence of rectocolonic polyps in a population of gynecologic cancers. Preliminary results (letter)] Rollux R, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):179–81 **(Fre)**
[Semiology of colorectal cancer] Servais R, et al. **Rev Med Liege** 1987 Apr 15;42(8):307–13 **(Fre)**
[Villous adenoma of the rectum with water–electrolyte imbalance (McKittrick–Wheelock syndrome)] Tosi F, et al. **Minerva Chir** 1987 May 15;42(9):793–7 (Eng. Abstr.) **(Ita)**
[Invagination of the sigmoid caused by a tumor] Andrianov AV. **Khirurgiia (Mosk)** 1987 Apr;(4):131 **(Rus)**
[Complicated cancer of the large intestine] Kutiakov MG, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):79–81 **(Rus)**
[Spontaneous perforation of cancer of the rectum into the free abdominal cavity] Lur'e AS, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):125 **(Rus)**
[Intestinal hemorrhage caused by polyps of the large intestine] Sukhorukov VA, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):71–4 (Eng. Abstr.) **(Rus)**
[Villous tumor of the rectum in a foreign body zone] Domanin AA, et al. **Sov Med** 1986;(11):120–2 **(Rus)**

DIAGNOSIS

Condyloma acuminata presenting as rectal polyps in a heterosexual man: importance of CT scan of the pelvis. Patel PH, et al. **Am J Gastroenterol** 1987 May;82(5):479–81
Symptomatic endosalpingosis in a postmenopausal woman. Onybeke W, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):924–6
Counseling patients on in–home colorectal cancer detection kits. Lachman BG. **Am Pharm** 1987 Feb;NS27(2):59–62
Contribution of modern imaging in rectosigmoid neoplastic disease (comparison with fiberoptic endoscopy). Grellet J, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov; 22(6):305–15 **(Eng, Fre)**
Intraoperative probe–directed immunodetection using a monoclonal antibody. O'Dwyer PJ, et al. **Arch Surg** 1986 Dec;121(12):1391–4
Preoperative cystoscopic findings in resectable rectal adenocarcinoma. Petrelli NJ, et al. **Arch Surg** 1987 Aug; 122(8):929–30
Colorectal polyps: an endoscopic experience. Isbister WH. **Aust NZ J Surg** 1986 Sep;56(9):717–22
Diagnostic accuracy of double–contrast enema and rectosigmoidoscopy in connection with faecal occult blood testing for the detection of rectosigmoid neoplasms. Jensen J, et al. **Br J Surg** 1986 Dec;73(12):961–4
Colorectal cancer: the case for endoscopic screening. Reasbeck PG. **Br J Surg** 1987 Jan;74(1):12–7 (103 ref.)
Rising detection rate of symptomatic Dukes' A colorectal cancers. Vellacott KD, et al. **Br J Surg** 1987 Jan; 74(1):18–20
Inadequacy of oleic acids in erythrocytes as a marker for malignancies [letter] Neoptolemos JP, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1157–8
Influence of non–steroidal anti–inflammatory drugs on the outcome of faecal occult blood tests in screening for colorectal cancer. Pye G, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1510–1
Screening for colorectal cancer. Winawer SJ, et al. **Bull WHO** 1987;65(1):105–11 (46 ref.)
Is preoperative colonoscopy in carcinoma a realistic and valuable proposition? Bernard D, et al. **Can J Surg** 1987 Mar;30(2):87–9
Patient compliance with screening for fecal occult blood in family practice. Hoogewerf PE, et al. **Can Med Assoc J** 1987 Aug 1;137(3):195–8
The diagnosis of colorectal cancer with cytologic brushings under direct vision at fiberoptic colonoscopy. A report of 59 cases. Chen YL. **Dis Colon Rectum** 1987 May; 30(5):342–4
Presacral hematomas. Diagnosis and treatment. Farkas AM, et al. **Dis Colon Rectum** 1987 Feb;30(2):130–2
The role of preoperative colonoscopy in colorectal cancer. Isler JT, et al. **Dis Colon Rectum** 1987 Jun;30(6):435–9
Physician accuracy in diagnosing colorectal polyps. Neale AV, et al. **Dis Colon Rectum** 1987 Apr;30(4):247–50
The role of colonoscopy and flexible sigmoidoscopy in

screening for colorectal carcinoma. Warden MJ, et al. **Dis Colon Rectum** 1987 Jan;30(1):52–4

Colonoscopy study not impartial [letter] Williams SM, et al. **Dis Colon Rectum** 1987 Jan;30(1):73–5

Prognostic factors of advanced colorectal cancer patients. Edler L, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1231–7

A prospective study of current diagnostic procedures for assessment of hepatic metastases in colorectal cancers. Arnaud JP, et al. **Eur J Surg Oncol** 1987 Aug;13(4):355–8

Colo–rectal cancer: intraoperative colonoscopy. Fasching W. **Eur J Surg Oncol** 1987 Apr;13(2):153–4

Diagnostic procedures in colo–rectal cancer: barium enema or colonoscopy? Or both? Fork FT. **Eur J Surg Oncol** 1987 Apr;13(2):147–9

Methods for and results from colo–rectal cancer screening: the Minnesota experience. Goldberg SM, et al. **Eur J Surg Oncol** 1987 Apr;13(2):145–6

MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis. Gomberg JS, et al. **Gastrointest Radiol** 1986;11(4):361–3

Barium granuloma mimicking rectal carcinoma. Arlow FL, et al. **Henry Ford Hosp Med J** 1986;34(3):213–4

Preoperative carcinoembryonic antigen level in colorectal cancer. Batabyal SK, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):227–32

Endorectal sonography: laboratory and clinical experience in Bristol. Beynon J, et al. **Int J Color Dis** 1986 Oct; 1(4):212–5

The detection of colorectal carcinomas with the use of CA–50 radioimmunoassay inhibition test. Habib NA, et al. **Int J Color Dis** 1986 Jul;1(3):186–7

Endorectal ultrasound: instrumentation and clinical aspects. Hildebrandt U, et al. **Int J Color Dis** 1986 Oct;1(4):203–7

Detecting colorectal neoplasms. Assessment based on hypothetical cases. Longstreth GF. **J Clin Gastroenterol** 1987 Jun;9(3):331–6

Significance of bowel symptoms. Goulston K, et al. **Med J Aust** 1987 Jun 15;146(12):631–3

Colorectal health check [letter] Simpson KW. **Minn Med** 1986 Nov;69(11):681

Colorectal lymphoma simulating inflammatory colitis and diagnosed by immunohistochemistry. Sagar S, et al. **Postgrad Med J** 1986 Jan;62(723):51–3

Colitis cystica profunda simulating rectal carcinoma. A case report. Schein M, et al. **S Afr Med J** 1987 Aug 15; 72(4):289–90

Raised carcino–embryonic antigen levels [letter] Schein M, et al. **S Afr Med J** 1986 Sep 27;70(7):438–9

Transrectal ultrasonography: interpretation of normal intestinal wall structure for the preoperative staging of rectal cancer [published erratum appears in Scan J Gastroenterol 1986 Nov;21(9):preceding 1025] Boscaini M, et al. **Scand J Gastroenterol [Suppl]** 1986;123:87–98

Endorectal sonographic prospective staging of rectal cancer. Rifkin MD, et al. **Scand J Gastroenterol [Suppl]** 1986; 123:99–103

The frequency of digital and endoscopic examination of the rectum before radiological barium enema. Graffner H, et al. **Scand J Prim Health Care** 1986 Nov;4(4):249–51

Retrorectal tumor: is biopsy risky? Verazin G, et al. **South Med J** 1986 Nov;79(11):1437–9

The value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions. Feigen M, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):107–10

Kaposi's sarcoma appearing as a rectal ulcer. Endean ED, et al. **Surgery** 1987 Jun;101(6):767–9

Polyclonal and monoclonal anti–CEA antibodies in immunolocalization of colorectal cancer. Wahren B, et al. **Tumour Biol** 1986;7(5–6):361–9

[The place and importance of oncofetal proteins and the hemocult test in searching for early recurrences following the radical surgical treatment of colorectal cancer] Viiachki I, et al. **Khirurgiia (Sofiia)** 1986;39(5):109–13 **(Bul)**

[Clinical value of serum CEA measured by the McAb–enzyme immunoassay in cancer patients] Xiao YK, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar; 18(1):33–6 (Eng. Abstr.) **(Chi)**

[Immunologic findings in patients with colorectal carcinoma. IV. Serum proteins as indicators of disease recurrence] Richter J, et al. **Rozhl Chir** 1986 Jul;65(7):527–32 (Eng. Abstr.) **(Cze)**

[Evaluation of an immunological test for detecting occult fecal blood for case–finding in colorectal tumors] Briançon S, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):194–200 (Eng. Abstr.) **(Fre)**

[Value of molluscum pendulum in the diagnosis of colorectal polyps and/or cancers (letter)] Jobard JM, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):176–7 **(Fre)**

[Endorectal ultrasonography: a new method for studying cancer of rectum] Lehur PA, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):299–301 **(Fre)**

[Clinical markers and screening for colorectal neoplasms] Matuchansky C, et al. **Gastroenterol Clin Biol** 1987 Feb; 11(2):133–5 **(Fre)**

[Molluscum pendulum and colorectal preneoplastic and neoplastic lesions (letter)] Vinel JP, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):177–8 **(Fre)**

[Tests for the detection of occult blood in feces and their place in the detection of colorectal cancers] Zolenko D, et al. **Rev Med Liege** 1987 Feb 1;42(3):107–10 **(Fre)**

[The value of the guaiac test in the screening of colorectal tumors] de Peyer R. **Schweiz Med Wochenschr** 1986 Oct 4;116(40):1381–4 (Eng. Abstr.) **(Fre)**

[Is detection of occult blood in stool overemphasized?] Köbberling J, et al. **Leber Magen Darm** 1986 Nov; 16(6):384–5 **(Ger)**

[Ca 12–5 in stomach and colorectal cancer. A comparison with the tumor markers CEA and Ca 19–9] Quentmeier A, et al. **Med Klin** 1986 Mar 18;81(6):199–201 (Eng. Abstr.) **(Ger)**

[Early detection of colorectal cancers by detection of occult blood in feces using Krypto–Haem SSW] Uhlig K, et al. **Z Gesamte Inn Med** 1986 Dec 1;41(23):660–3 (Eng. Abstr.) **(Ger)**

[Early clinical diagnosis of stomach and large intestine cancer] Peschl L, et al. **ZFA** 1987 May–Jun;42(3):155–64 (Eng. Abstr.) **(Ger)**

[Polyps of the colon and rectum in childhood. Practical importance of endoscopic examination] Deste A, et al. **Pediatr Med Chir** 1987 Jan–Feb;9(1):71–4 (Eng. Abstr.) **(Ita)**

[Utility of CA19–9 and CEA as tumor marker in colorectal cancer—comparison between serum level and distribution] Okuda K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20;21(5):969–77 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma associated with gastric cancer, rectal cancer and myelomatous pleural effusion in the terminal stage] Matsubayashi Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2313–8 (Eng. Abstr.) **(Jpn)**

[Transrectal ultrasonography in rectal cancer. Still no revolution for the clinician?] Wiig JN, et al. **Tidsskr Nor Laegeforen** 1987 May 30;107(15):1349–51, 1317 (Eng. Abstr.) **(Nor)**

[Carcinoembryonic antigen (CEA) in the serum of patients with cancer of the colon and rectum] Bukowski J, et al. **Nowotwory** 1986 Jul–Sep;36(3):181–6 (Eng. Abstr.) **(Pol)**

[Value of ultrasonic transrectal examination in diagnosing rectal neoplasms] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1986 May–Jun;50(3):155–7 (Eng. Abstr.) **(Pol)**

[Methods of improving the early diagnosis of cancer of the large intestine] Bobrov MIa, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):62–5 (Eng. Abstr.) **(Rus)**

[Diagnosis and surgical treatment of extraorganic tumors of perirectal cellular tissue in adults] Nikitin AM, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):65–9 (Eng. Abstr.) **(Rus)**

[Endometriosis of the rectum in oncologic practice] Knysh VI, et al. **Klin Khir** 1987;(2):11–2 (Eng. Abstr.) **(Rus)**

[Diagnosis of multiple primary synchronous cancer of the large intestine] Knysh VI, et al. **Klin Khir** 1987;(5):17–8 (Eng. Abstr.) **(Rus)**

[Intracavitary ultrasonic diagnosis of rectal cancer] Slesarev VI, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):66–8 **(Rus)**

[Carcinoembryonic antigen in cancer of the large intestine] Knysh VI, et al. **Sov Med** 1986;(10):39–42 (Eng. Abstr.) **(Rus)**

[Melanoma of the rectum] Pashkevich VI, et al. **Voen Med Zh** 1987 Feb;(2):57–9 **(Rus)**

[Possibilities of prognosis in cancer of the transverse colon and rectum using CEA, AFP and immunoglobulins A, M and G] Smyslova VN. **Vopr Onkol** 1987;33(5):42–8 (Eng. Abstr.) **(Rus)**

DIET THERAPY

A randomized study of oral nutritional support versus ad lib nutritional intake during chemotherapy for advanced colorectal and non–small–cell lung cancer. Evans WK, et al. **J Clin Oncol** 1987 Jan;5(1):113–24

DRUG THERAPY

A randomized study of two schedules of copovithane in patients with advanced colorectal carcinoma. Ajani JA, et al. **Am J Clin Oncol** 1987 Apr;10(2):139–40

Evaluation of CCNU and misonidazole in the treatment of advanced colorectal cancer. Anagnost J, et al. **Am J Clin Oncol** 1987 Jun;10(3):213–5

Treatment of advanced colorectal carcinoma with actinomycin D, vincristine, methyl–CCNU, and methotrexate. Craig JB, et al. **Am J Clin Oncol** 1987 Feb; 10(1):44–6

Toxicity studies of adjuvant intravenous versus intraperitoneal 5–FU in patients with advanced primary colon or rectal cancer. Gianola FJ, et al. **Am J Clin Oncol** 1986 Oct;9(5):403–10

Continuous 5–fluorouracil infusion and pulse methotrexate/leucovorin for colorectal adenocarcinoma. A report of excessive toxicity. Hansen RM, et al. **Am J Clin Oncol** 1987 Jun;10(3):216–8

Chemotherapy of advanced colorectal cancer. A randomized trial of sequential methotrexate and 5–fluorouracil. Mackintosh J, et al. **Am J Clin Oncol** 1987 Jun;10(3):210–2

A randomized clinical trial of combination chemotherapy in advanced colorectal cancer. O'Connell MJ, et al. **Am J Clin Oncol** 1987 Aug;10(4):320–4

CBDCA: phase II evaluation in advanced colorectal carcinoma. Pazdur R, et al. **Am J Clin Oncol** 1987 Apr; 10(2):136–8

Hepatitis in patients receiving intraarterial chemotherapy for metastatic colorectal carcinoma. Shepard KV, et al. **Am J Clin Oncol** 1987 Feb;10(1):36–40

Five year results of a randomized trial of adjuvant 5–fluorouracil and levamisole in colorectal cancer. Windle R, et al. **Br J Surg** 1987 Jul;74(7):569–72

Controlled trial of gamma linolenic acid in Duke's C colorectal cancer. McIllmurray MB, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1260

Chemotherapy for colorectal carcinoma. O'Connell MJ. **CA** 1986 Nov–Dec;36(6):360–6

5–Fluorouracil–metronidazole combination therapy in metastatic colorectal cancer. Clinical, pharmacokinetic and in vitro cytotoxicity studies. Bardakji Z, et al. **Cancer Chemother Pharmacol** 1986;18(2):140–4

Comparison of 5–FU versus FUDR activity in human colorectal cancer using an in vitro clonogenic assay (HTCA). Flentje M, et al. **Cancer Chemother Pharmacol** 1986;18(3):223–5

Comparative antitumor activity of ruthenium derivatives with 5'–deoxy–5–fluorouridine in chemically induced colorectal tumors in SD rats. Garzon FT, et al. **Cancer Chemother Pharmacol** 1987;19(4):347–9

Phase 2 trial of streptozotocin by continuous infusion for metastatic colorectal carcinoma. Clamon G, et al. **Cancer Drug Deliv** 1987 Spring;4(1):43–6

Paradoxical effect of dichlorobis(1–phenylbutane–1,3–dionato)molybdenum (IV), (Mo(bzac)2Cl2 on the growth of autochthonous chemically induced colorectal tumors in SD rats. Garzon FT, et al. **Cancer Lett** 1987 Mar;34(3):325–30

Pilot trial of prolonged continuous–infusion 5–fluorouracil and weekly cisplatin in advanced colorectal cancer. Cantrell JE Jr, et al. **Cancer Treat Rep** 1987 Jun;71(6):615–8

High–dose cisplatin in the treatment of advanced adenocarcinoma of the colon and rectum: a Southeastern Cancer Study Group trial. DeSimone PA, et al. **Cancer Treat Rep** 1986 Oct;70(10):1229–30

5–Fluorouracil and cytarabine—ineffective treatment in advanced colorectal carcinoma: a Southeastern Cancer Study Group Trial. Eisenstaedt RS, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):779–80

Phase II trial of esorubicin in patients with advanced colorectal carcinoma. Fiore J, et al. **Cancer Treat Rep** 1986 Oct;70(10):1241–2

Phase II trial of ifosfamide and mesna in advanced colorectal cancer. Kemeny N, et al. **Cancer Treat Rep** 1987 Jun; 71(6):663–4

Phase II trial of aminothiadiazole in previously treated and untreated patients with advanced colorectal carcinoma: an Illinois Cancer Council Trial. Locker GY, et al. **Cancer Treat Rep** 1987 Jun;71(6):649–50

Phase II study of esorubicin in patients with advanced colorectal carcinoma and no prior chemotherapy: an Illinois Cancer Council Trial. Locker GY, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):765–6

Phase II trial of menogaril in patients with advanced colorectal carcinoma: an Illinois Cancer Council trial. Locker GY, et al. **Cancer Treat Rep** 1987 Sep;71(9):871–2

Weekly 5–fluorouracil combined with PALA: toxic and therapeutic effects in colorectal cancer. Muggia FM, et al. **Cancer Treat Rep** 1987 Mar;71(3):253–6

Phase II clinical trial of tricyclic nucleoside phosphate for advanced colorectal cancer. O'Connell MJ, et al. **Cancer Treat Rep** 1987 Mar;71(3):333–4

Phase II study of N–methylformamide in patients with advanced colorectal cancer. Tchekmedyian NS, et al. **Cancer Treat Rep** 1987 May;71(5):541–2

Phase II trial of oral methotrexate and dipyridamole in colorectal carcinoma. Wadler S, et al. **Cancer Treat Rep** 1987 Sep;71(9):821–4

Chemotherapy in colorectal cancer. Büyükünal E, et al. **Chemioterapia** 1986 Oct;5(5):337–40

Treatment of advanced colorectal and gastric cancer with cisplatinum and 5–fluorouracil. A pilot study. Zaniboni A, et al. **Chemioterapia** 1986 Oct;5(5):347–50

Effect of razoxane on metastases from colorectal cancer. Hellmann K, et al. **Clin Exp Metastasis** 1987 Jan–Mar; 5(1):3–8

Razoxane, metastasis and adjuvant chemotherapy [editorial] Hellmann K. **Clin Exp Metastasis** 1987 Jan–Mar;5(1):1–2

Autochthonous, acetoxymethylmethylnitrosamine–induced colorectal cancer in rats: a useful tool in selecting new active antineoplastic compounds? Berger MR, et al. **Hepatogastroenterology** 1986 Oct;33(5):227–34

Clinical trials in colorectal cancer: experience of the Gastrointestinal Tumor Study Group and the Southwest Oncology Group. Bukowski RM. **Int J Color Dis** 1987 Jun; 2(2):100–6

Phase II study of spirogermanium in patients with advanced colorectal carcinoma. Ajani JA, et al. **Invest New Drugs** 1986;4(4):383–5

5–Fluorouracil and folinic acid in the treatment of metastatic colorectal cancer: a randomized comparison. A Southwest Oncology Group Study. Budd GT, et al. **J Clin Oncol** 1987 Feb;5(2):272–7

Short–term prophylaxis with cefuroxime in colorectal surgery for cancer. Colizza S, et al. **J Surg Oncol** 1987 Aug;35(4):266–8

Aminocaproic acid (AMICAR) in advanced colorectal carcinoma. Petrelli NJ, et al. **J Surg Oncol** 1986 Oct; 33(2):109–11

Adjuvant immunochemotherapy in colorectal cancer Dukes C. Sertoli MR, et al. **Oncology** 1987;44(2):78–81

Conversion from regional to systemic chemotherapy. Holt RW. **Surg Gynecol Obstet** 1987 May;164(5):468–70
Regional and systemic chemotherapy for colorectal metastases to the liver. Balch CM, et al. **World J Surg** 1987 Aug;11(4):521–6
Intraportal chemotherapy in colorectal carcinoma as an adjuvant modality. Metzger U, et al. **World J Surg** 1987 Aug;11(4):452–8
Rationale and indications for perfusion in liver tumors: current data. Schwemmle K, et al. **World J Surg** 1987 Aug; 11(4):534–40
[Angiographic and computed tomographic findings in intra-arterial cytostasis of colorectal liver metastases] Friedrich M, et al. **ROFO** 1986 Oct;145(4):446–55 (Eng. Abstr.) **(Ger)**
[Colorectal cancer. I. Chemotherapy in the advanced stage] Lopez M, et al. **Clin Ter** 1987 Mar 31;120(6):473–87 (Eng. Abstr.) **(Ita)**
[Colorectal carcinoma. II. Adjuvant therapy] Lopez M, et al. **Clin Ter** 1987 Apr 15;121(1):15–27 (Eng. Abstr.) **(Ita)**
[Adjuvant chemotherapy of colorectal cancer—results of prospective randomized trials] Hojo K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):3063–73 (Eng. Abstr.) **(Jpn)**
[Cooperative study of surgical adjuvant chemotherapy of colorectal cancer (first report): Investigation of background factors and adverse effects. Cooperative Study Group of Surgical Adjuvant Chemotherapy of Colorectal Cancer in Japan] Kunii Y, et al. **Gan To Kagaku Ryoho** 1987 Feb; 14(2):421–33 (Eng. Abstr.) **(Jpn)**
[Two cases of recurrent gastrointestinal carcinoma treated with long-term THP] Matsuzaki K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2987–92 (Eng. Abstr.) **(Jpn)**
[Sequential methotrexate-5-fluorouracil (MTX-5-FU) treatment of patients with advanced gastric and colorectal cancer. Sequential Methotrexate-5-FU Study Group] Murakami M, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2482–90 (Eng. Abstr.) **(Jpn)**
[Missile therapy using monoclonal antibody drug conjugates in colorectal carcinoma] Takahashi T, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):931–7 (Eng. Abstr.) **(Jpn)**
[Clinical trial of 5'-deoxy-5-fluorouridine in malignant tumors under cooperative study (phase II study)] Murakami M, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):1026–35 (Eng. Abstr.) **(Jpn)**
[Comparison between 2 combinations in the adjuvant chemotherapy of colon and rectum carcinomas (letter)] Delgado GI, et al. **Rev Paul Med** 1986 Jul-Aug;104(4):231 **(Por)**
[Successful cure of rectal cancer by conservative methods (a case report)] Bilynskil BT, et al. **Vopr Onkol** 1987; 33(1):100–1 **(Rus)**

ENZYMOLOGY

Role of aromatic amine acetyltransferase in human colorectal cancer. Lang NP, et al. **Arch Surg** 1986 Nov; 121(11):1259–61
Role of urokinase in colorectal neoplasia. Gelister JS, et al. **Br J Surg** 1987 Jun;74(6):460–3
Assessment of ornithine decarboxylase activity in rectal mucosa as a marker for colorectal adenomas and carcinomas. Moorehead RJ, et al. **Br J Surg** 1987 May; 74(5):364–5
Plasminogen activators in human colorectal neoplasia [letter] **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1505–6
Plasminogen activators in human colorectal neoplasia [letter] Ramsay DA. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1240–1
The relationship of collagenolytic activity to stage of human colorectal carcinoma. Irimura T, et al. **Int J Cancer** 1987 Jul 15;40(1):24–31
A comparison of ornithine decarboxylase and S-adenosylmethionine decarboxylase activity in human large bowel mucosa, polyps, and colorectal adenocarcinoma. Herrera-Ornelas L, et al. **J Surg Res** 1987 Jan;42(1):56–60
Enzyme activities in biopsy specimens from large-bowel mucosa in colorectal adenomas and carcinomas. Børkje B, et al. **Scand J Gastroenterol** 1987 Jun;22(5):533–8
[Histochemical study on nonspecific esterase in large intestine carcinoma] Li ZY. **Chung Hua I Hsueh Tsa Chih** 1986 Feb; 66(2):98–9 **(Chi)**
[Clinical significance of serum neuron specific enolase (NSE) levels in patients with gastric and colorectal cancer] Kojima O, et al. **Rinsho Byori** 1986 Nov;34(11):1236–40 **(Jpn)**

ETIOLOGY

Rectal Hodgkin disease and the acquired immunodeficiency syndrome [letter] Picard O, et al. **Ann Intern Med** 1987 May;106(5):775
Dietary minerals and colon carcinogenesis (review). Nelson RL. **Anticancer Res** 1987 May-Jun;7(3 Pt A):259–69 (76 ref.)
Diet and nutritional factors in the aetiology of colon cancer (review). Sian MS. **Anticancer Res** 1987 May-Jun;7(3 Pt A):293–300 (65 ref.)
The relation between cancer of the colon and rectum and nutrition, in Rio de Janeiro. da Fonseca Lopes E da C, et al. **Arch Latinoam Nutr** 1986 Jun;36(2):282–7
Alcohol, physical activity and other risk factors for colorectal cancer: a prospective study. Wu AH, et al. **Br J Cancer** 1987 Jun;55(6):687–94
Blood transfusion and recurrence of cancer of the colon and rectum. Francis DM, et al. **Br J Surg** 1987 Jan;74(1):26–30
Risk of colorectal cancer after surgery for benign peptic ulceration. Toftgaard C. **Br J Surg** 1987 Jul;74(7):573–5
Primary anorectal lymphoma. A new manifestation of the acquired immune deficiency syndrome (AIDS). Ioachim HL, et al. **Cancer** 1987 Oct 1;60(7):1449–53
Morphological and cell kinetic effects of dietary manipulation during colorectal carcinogenesis. Galloway DJ, et al. **Gut** 1987 Jun;28(6):754–63
Alcohol and cancer [letter] Seitz HK, et al. **Hepatology** 1987 May-Jun;7(3):616–7
Colorectal polyps and diet: a case-control study in Marseilles. Macquart-Moulin G, et al. **Int J Cancer** 1987 Aug 15; 40(2):179–88
Beer consumption and rectal cancer. Kabat GC, et al. **Int J Epidemiol** 1986 Dec;15(4):494–501
Relationship between dietary fat composition and colorectal neoplasia [letter] Longnecker MP. **JNCI** 1987 Feb; 78(2):395–6
Cholecystectomy and large bowel cancer [published erratum appears in Lancet 1987 May 16;1(8542):1160] Friedman GD, et al. **Lancet** 1987 Apr 18;1(8538):906–8
Faecal bile acids, dysplasia, and carcinoma in ulcerative colitis. Hill MJ, et al. **Lancet** 1987 Jul 25;2(8552):185–6
Colorectal carcinoma and cholecystectomy. Hladik V, et al. **Neoplasma** 1987;34(3):361–6
The relationship between diet, alcohol, and colorectal cancer. The results of a large-scale, eight-year, population-based, clinicopathological and epidemiological study conducted in Melbourne, Australia. **Nutr Cancer** 1987;9(1):1–56
The nutritional causes of colorectal cancer: an introduction to the Melbourne study. Kune GA, et al. **Nutr Cancer** 1987; 9(1):1–4
Observations on the reliability and validity of the design and diet history method in the Melbourne Colorectal Cancer Study. Kune S, et al. **Nutr Cancer** 1987;9(1):5–20 (27 ref.)
Case-control study of dietary etiological factors: the Melbourne Colorectal Cancer Study. Kune S, et al. **Nutr Cancer** 1987;9(1):21–42
Case-control study of alcoholic beverages as etiological factors: the Melbourne Colorectal Cancer Study. Kune S, et al. **Nutr Cancer** 1987;9(1):43–56
Relationship between tobacco smoking and colorectal polyps. Hoff G, et al. **Scand J Gastroenterol** 1987 Jan;22(1):13–6
Colectomy with ileorectal anastomosis for familial adenomatous polyposis: the risk of rectal cancer. Sarre RG, et al. **Surgery** 1987 Jan;101(1):20–6
[Risk of developing cancer in ulcer hemorrhagic rectocolitis] Gast P, et al. **Rev Med Liege** 1987 Jun 1;42(11):547–55 (35 ref.) **(Fre)**
[Possible role of cholecystectomy in the development of colorectal cancer] Csonka C, et al. **Orv Hetil** 1987 Apr 12;128(15):773–7 (Eng. Abstr.) **(Hun)**
[Multiple rectal carcinoids—with special reference to the histogenesis of these lesions] Kato M, et al. **Gan No Rinsho** 1986 Nov;32(14):1894–900 (Eng. Abstr.) **(Jpn)**
[Endocrine changes in cancer of the rectum and colon] Bershtein LM, et al. **Vopr Onkol** 1987;33(6):12–22 (75 ref.) **(Rus)**
[Gastroduodenal ulcer, surgery and colorectal cancer] Placer Galán C. **Rev Esp Enferm Apar Dig** 1987 May;71(5):450–1 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Aneuploidy and expression of gastric-associated mucus antigens M1 and CEA in colorectal adenomas. van den Ingh HF, et al. **Am J Clin Pathol** 1987 Feb;87(2):174–9
Influence of tumor cell DNA ploidy on the natural history of rectal cancer. Chang KJ, et al. **Am J Surg** 1987 Feb; 153(2):184–8
Tumor DNA content in primary and metastatic colorectal carcinoma. Kokal WA, et al. **Arch Surg** 1986 Dec; 121(12):1434–9
Ha-ras-1 restriction fragment length polymorphism and susceptibility to colon adenocarcinoma. Ceccherini-Nelli L, et al. **Br J Cancer** 1987 Jul;56(1):1–5
DNA aneuploidy in colorectal adenomas [letter] van den Ingh HF, et al. **Br J Cancer** 1987 Mar;55(3):351
Prognostic value of DNA content in colorectal carcinoma. A flow cytometric study with some methodologic aspects. Emdin SO, et al. **Cancer** 1987 Sep 15;60(6):1282–7
Family history of colorectal cancer as a marker of potential malignancy within a screening program. Rozen P, et al. **Cancer** 1987 Jul 15;60(2):248–54
c-myc oncogene expression in colorectal cancer. Sikora K, et al. **Cancer** 1987 Apr 1;59(7):1289–95
Noninvolvement of a constitutional heritable fragile site at 10q24.2 in rearranged chromosomes from rectal carcinoma cells. Muleris M, et al. **Cancer Genet Cytogenet** 1987 Mar; 25(1):7–13
The Melbourne Colorectal Cancer Study. Characterization of patients with a family history of colorectal cancer. Kune GA, et al. **Dis Colon Rectum** 1987 Aug;30(8):600–6
Faecal occult blood screening of first degree relatives of patients with colorectal cancer. Armitage NC, et al. **Int J Color Dis** 1986 Oct;1(4):248–50
Value of flow cytometric determination of ploidy as a guide to prognosis in operable rectal cancer: a multivariate analysis. Goh HS, et al. **Int J Color Dis** 1987 Feb;2(1):17–21
Prognostic significance of DNA aneuploidy and cell proliferation in rectal adenocarcinomas. Quirke P, et al. **J Pathol** 1987 Apr;151(4):285–91
Amino-acid substitution at codon 13 of the N-ras oncogene in rectal cancer in a Japanese patient. Nitta N, et al. **Jpn J Cancer Res** 1987 Jan;78(1):21–6
Colorectal cancer in spouses of colorectal cancer patients and controls [letter] Kune GA, et al. **Lancet** 1987 Apr 11; 1(8537):870–1
Flow cytometric DNA patterns from colorectal cancers—how reproducible are they? Scott NA, et al. **Mayo Clin Proc** 1987 May;62(5):331–7
Prevalence of ras gene mutations in human colorectal cancers. Bos JL, et al. **Nature** 1987 May 28–Jun 3; 327(6120):293–7
Chromosome 5 allele loss in human colorectal carcinomas. Solomon E, et al. **Nature** 1987 Aug 13–19;328(6131):616–9
In vitro tetraploidy in patients with non-hereditary colorectal adenoma and carcinoma. Support for a genetic influence on the pathogenesis of colorectal carcinoma. Svendsen LB, et al. **Scand J Gastroenterol** 1987 Jan;22(1):106–10
In vitro tetraploidy in patients with ulcerative colitis. Svendsen LB, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):601–5
[Torre-Muir syndrome. Sebaceous gland tumors indicate colon carcinoma and other internal malignant tumors] Karsten U, et al. **Dtsch Med Wochenschr** 1987 Aug 21; 112(34):1296–301 (Eng. Abstr.) **(Ger)**
[In families of ovarian cancer patients, breast cancer in females and colorectal cancers in males are overrepresented] Weber W, et al. **Geburtshilfe Frauenheilkd** 1987 Jul;47(7):460–2 (Eng. Abstr.) **(Ger)**
[DNA measurements and prognosis of rectal cancer] Streffer C, et al. **Strahlenther Onkol** 1986 Oct;162(10):629–32 (Eng. Abstr.) **(Ger)**

HISTORY

Classic articles in colonic and rectal surgery. Richard von Volkmann 1830–1889. Concerning rectal cancer and the removal of the rectum. **Dis Colon Rectum** 1986 Oct; 29(10):679–85
Classic articles in colonic and rectal surgery. Arthur Dean Bevan, 1861–1943. Carcinoma of rectum—treatment by local excision. **Dis Colon Rectum** 1986 Dec;29(12):906–10
Nutrition classics. Cancer, July 1971: Epidemiology of cancer of the colon and rectum. By Denis P. Burkitt. **Nutr Rev** 1987 Jul;45(7):212–4

IMMUNOLOGY

Comparison of the postoperative changes in the humoral and cellular immune activity in septic and non-septic colorectal cancer patients. Nagy A, et al. **Acta Chir Hung** 1986; 27(4):195–202
Monoclonal antibodies raised to colorectal carcinoma antigens. Makin CA. **Ann R Coll Surg Engl** 1986 Nov; 68(6):298–301
Antigenic heterogeneity and individuality in adenocarcinomas of the rectum and their secondaries. Enblad P, et al. **Br J Cancer** 1987 May;55(5):503–8
Identification of glycoproteins expressing tumour-associated PNA-binding sites in colorectal carcinomas by SDS-GEL electrophoresis and PNA-labelling. Kellokumpu I, et al. **Br J Cancer** 1987 Apr;55(4):361–5
Evaluation of a monoclonal antibody to ras peptide, RAP-5, claimed to bind preferentially to cells of infiltrating carcinomas. Robinson A, et al. **Br J Cancer** 1986 Dec; 54(6):877–83
HLA antigens in colorectal tumours—low expression of HLA class I antigens in mucinous colorectal carcinomas. van den Ingh HF, et al. **Br J Cancer** 1987 Feb;55(2):125–30
Prognostic significance of CEA immunoreactivity patterns in large bowel carcinoma tissue. Wiggers T, et al. **Br J Cancer** 1986 Sep;54(3):409–14
The value of carcinoembryonic antigen in clinical practice. Begent RH. **Br J Hosp Med** 1987 Apr;37(4):335, 338
Immunohistochemical studies of blood group substance H in colorectal tumors using a monoclonal antibody. Compton C, et al. **Cancer** 1987 Jan 1;59(1):118–27
Comparison of carcinoembryonic antigen levels between portal and peripheral blood in patients with colorectal cancer. Correlation with histopathologic variables. Tabuchi Y, et al. **Cancer** 1987 Apr 1;59(7):1283–8
In vivo studies on the uptake of radiolabelled antibodies by colorectal and gastric carcinoma xenografts. Macdonald F, et al. **Cancer Immunol Immunother** 1986;23(2):119–24
Association of the Y hapten with glycoproteins, glycolipids and carcinoembryonic antigen in colorectal carcinoma. Price MR, et al. **Cancer Lett** 1986 Oct;33(1):83–9
Association of colorectal tumor epithelium expressing HLA-D/DR with CD8-positive T-cells and mononuclear phagocytes. Allen CA, et al. **Cancer Res** 1987 Jun 1; 47(11):2919–23
Cancer-associated alterations of blood group antigen expression in human colorectal polyps. Itzkowitz SH, et al. **Cancer Res** 1986 Nov;46(11):5976–84
Expression of LeY and extended LeY blood group-related antigens in human malignant, premalignant, and

nonmalignant colonic tissues. Kim YS, et al. **Cancer Res** 1986 Nov;46(11):5985–92

Do size, histology, or cytology of colorectal adenomas and their removal influence serum CEA? Fischbach W, et al. **Dis Colon Rectum** 1987 Aug;30(8):595–9

Usefulness of carcinoembryonic antigen measurement in feces of patients with colorectal cancer. Shimano T, et al. **Dis Colon Rectum** 1987 Aug;30(8):607–10

The macrophage migration inhibition (MIF) assay as a marker of colorectal cancer. Studies in patients with colorectal cancer, noncolonic neoplasms, and conditions predisposing to colorectal cancer. Shkolnik T, et al. **Dis Colon Rectum** 1987 Feb;30(2):101–5

Evaluation of Ca 12–5 as a tumor marker for gastric and colo–rectal cancer in comparison to CEA and Ca 19–9. Quentmeier A, et al. **Eur J Surg Oncol** 1987 Jun; 13(3):197–201

Immunoglobulins (Ig) in circulating immune complexes (CIC) in cancer and inflammatory bowel disease (IBD). Shafir M, et al. **Eur J Surg Oncol** 1986 Dec;12(4):351–7

Immunohistochemical Cal9–9 in primary colonic polyps and polyps synchronous with colorectal cancer. Afdhal NH, et al. **Gut** 1987 May;28(5):594–600

Quantitative and qualitative aspects of radiolocalization in colon cancer patients of intravenously administered MAb B72.3. Esteban JM, et al. **Int J Cancer** 1987 Jan 15; 39(1):50–9

Expression of HLA–D sub–region products on human colorectal carcinoma. Ghosh AK, et al. **Int J Cancer** 1986 Oct 15;38(4):459–64

Monoclonal antibodies to human colorectal epithelium: markers for differentiation and tumour characterization. Richman PI, et al. **Int J Cancer** 1987 Mar 15;39(3):317–28

Leukocyte adherence inhibition in patients with nonmalignant disorders of the colon and colorectal cancer. Tank B, et al. **J Cancer Res Clin Oncol** 1986;112(3):276–80

Loss of HLA–A,B,C in colorectal carcinoma is related to the degree of de–differentiation. Momburg F, et al. **J Immunogenet** 1986 Apr–Jun;13(2–3):195–9

Expression of MHC class II products on human colorectal cancer. An immunohistological and flow cytometric study. Moore M, et al. **J Immunogenet** 1986 Apr–Jun; 13(2–3):201–9

The role of tumour markers (CEA, TPA, CA 19–9) in colon and rectum carcinomas. Cangemi V, et al. **J Nucl Med Allied Sci** 1987 Apr–Jun;31(2):189–93

Elevated levels of p53 antigen in cultured skin fibroblasts from patients with hereditary adenocarcinoma of the colon and rectum and its relevance to oncogenic mechanisms. Kopelovich L, et al. **JNCI** 1986 Dec;77(6):1241–6

In vitro adsorption of colon cancer sera over staphylococcus protein A: lymphocyte stimulation by leakage of adsorbance. Richner J, et al. **Klin Wochenschr** 1987 Apr 15;65(8):353–8

Immunohistochemical localization of the epithelial marker MAM–6 in invasive malignancies and highly dysplastic adenomas of the large intestine. Zotter S, et al. **Lab Invest** 1987 Aug;57(2):193–9

[Prognostic significance of immunoreactivity of regional lymph nodes in colorectal cancer—an analysis of 2,502 cases. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer] **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):140–3 (Eng. Abstr.) **(Chi)**

[Preliminary study of the role of natural killer cells in human tumor immunity] Yin XY, et al. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):179–82 (Eng. Abstr.) **(Chi)**

[Preoperative determination of carcinoembryonic antigen and gastrointestinal antigen in neoplastic colorectal pathology. Case contributions] Ramella A, et al. **Minerva Chir** 1987 Jun 30;42(12):1037–43 (Eng. Abstr.) **(Ita)**

[Carcinoembryonic antigen (CEA) levels of peripheral and portal blood and tumor histopathology in colorectal cancer] Tabuchi Y, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1540–7 (Eng. Abstr.) **(Jpn)**

[Significance of CA19–9 values in the feces of patients with colorectal carcinoma] Taoka H, et al. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):543–50 (Eng. Abstr.) **(Jpn)**

[Immunological studies on colorectal cancer] Funamoto M. **Nippon Geka Hokan** 1986 May 1;55(3):442–51 (Eng. Abstr.) **(Jpn)**

METABOLISM

Human chorionic gonadotropin in the rectosigmoid colon. Immunohistochemical study on unbalanced distribution of subunits. Fukayama M, et al. **Am J Pathol** 1987 Apr; 127(1):83–9

The oxidation of body fuel stores in cancer patients. Hansell DT, et al. **Ann Surg** 1986 Dec;204(6):637–42

In vitro binding and in vivo localization in colorectal cancer of a high affinity monoclonal antibody to carcinoembryonic antigen. Armitage NC, et al. **Br J Surg** 1986 Dec; 73(12):965–9

Influence of sialomucin at the resection margin on local tumour recurrence and survival of patients with colorectal cancer: a multivariate analysis. Dawson PM, et al. **Br J Surg** 1987 May;74(5):366–9

Sialomucins at resection margin and likelihood of recurrence in colorectal carcinoma. Habib NA, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):521–3

Mitomycin C pharmacokinetics in patients with recurrent or metastatic colorectal carcinoma. Erlichman C, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):407–11

Human chorionic gonadotropin in colorectal carcinoma. An immunohistochemical study. Campo E, et al. **Cancer** 1987 May 1;59(9):1611–6

Polyamine biosynthetic activity in normal and neoplastic human colorectal tissues. Porter CW, et al. **Cancer** 1987 Sep 15;60(6):1275–81

Acetylation phenotype in colorectal carcinoma. Ilett KF, et al. **Cancer Res** 1987 Mar 1;47(5):1466–9

Fecal neutral steroids in normal conditions and in patients with polyps or cancer of the large bowel. Ponz de Leon M, et al. **Cancer Res** 1987 Jan 1;47(1):305–10

The relative prognostic value of flow cytometric DNA analysis and conventional clinicopathologic criteria in patients with operable rectal carcinoma. Scott NA, et al. **Dis Colon Rectum** 1987 Jul;30(7):513–20

Intrahepatic arterial administration of 4'epidoxorubicin (epirubicin) in advanced cancer patients. A pharmacokinetic study. Pannuti F, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1309–14

Nonlinear pharmacokinetic characteristics of 5–fluorouracil (5–FU) in colorectal cancer patients. Schaaf LJ, et al. **Eur J Clin Pharmacol** 1987;32(4):411–8

The relationship between plasma pharmacokinetics and tissue metabolites of 5–fluorouracil (5–FU) in patients with colorectal cancer. Finan PJ, et al. **Eur J Surg Oncol** 1987 Aug;13(4):349–53

Detailed faecal bile acid profile: a diagnostic test for colorectal cancer? Gilbert JM, et al. **Eur J Surg Oncol** 1986 Dec;12(4):359–65

Glucagon, glicentin, proglucagon, PYY, PP and proPP–icosapeptide immunoreactivities of rectal carcinoid tumors and related non–tumor cells. Fiocca R, et al. **Regul Pept** 1987 Jan;17(1):9–29

[Intestinal bacterial flora and tumors of the colon: intestinal excretion and degradation of neutral steroids in subjects at risk for cancer of the colon] Roncucci L, et al. **Ann Ist Super Sanita** 1986;22(3):949–52 (Eng. Abstr.) **(Ita)**

[Comparative clinical studies of colorectal tumor tissue and normal tissue following arterial injection of tegafur] Miyamoto T, et al. **Gan To Kagaku Ryoho** 1987 Aug; 14(8):2600–3 **(Jpn)**

MICROBIOLOGY

Productive, persistent infection of human colorectal cell lines with human immunodeficiency virus. Adachi A, et al. **J Virol** 1987 Jan;61(1):209–13

Papillomavirus antigens in anorectal condyloma and carcinoma in homosexual men. Gal AA, et al. **JAMA** 1987 Jan 16;257(3):337–40

MORTALITY

Carcinoma of the colon in patients 35 years of age and younger. Adkins RB Jr, et al. **Am Surg** 1987 Mar; 53(3):141–5

Mortality in patients with obstructing colorectal cancer. Waldron RP, et al. **Ann R Coll Surg Engl** 1986 Jul; 68(4):219–21

Age and mortality in colorectal cancer [letter] Houghton PW, et al. **Br J Surg** 1986 Oct;73(10):862–3

Outcome of colorectal cancer. Pescatori M, et al. **Br J Surg** 1987 May;74(5):370–2

Blood transfusions and survival after colectomy for colorectal cancer. Corman J, et al. **Can J Surg** 1986 Sep; 29(5):325–9

Survival after hepatic resection for metastatic disease. Gately JF. **Can J Surg** 1987 Jul;30(4):225–6

Resection of the liver for metastatic disease [letter] Wexler MJ, et al. **Can J Surg** 1987 Jul;30(4):229

Changing survival prospects in rectal carcinoma. A series of 1,306 patients managed by one surgeon. McDermott FT, et al. **Dis Colon Rectum** 1986 Dec;29(12):798–803

Mortality from cancer of the stomach, colon and rectum in the city of Naples and the provinces of Campania. Mele A, et al. **Eur J Epidemiol** 1985 Dec;1(4):305–12

Race, socioeconomic status, and other prognostic factors for survival from colo–rectal cancer. Dayal H, et al. **J Chronic Dis** 1987;40(9):857–64

Right and left colon carcinoma: a retrospective comparative study. Kashtan H, et al. **J Surg Oncol** 1987 Aug;35(4):245–8

Tumour site: a prognostic factor in colorectal cancer? A multivariate analysis. Halvorsen TB, et al. **Scand J Gastroenterol** 1987 Jan;22(1):124–8

[Prognosis of colorectal cancer in patients over 80] Braun L. **Dtsch Med Wochenschr** 1986 Dec 5;111(49):1869–73 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Carcinoma of the rectum in Finland—changes in two decades. An epidemiologic and clinical study. Kyllönen LE, et al. **Acta Chir Scand** 1986 Dec;152:749–62

Analysis of a mass colorectal cancer screening program for cost–effectiveness. Johnson MG, et al. **Am J Surg** 1987 Sep;154(3):261–3

Colorectal carcinoma in young adults. Okuno M, et al. **Am J Surg** 1987 Sep;154(3):264–8

Late development of metachronous colorectal cancer. Luchtefeld MA, et al. **Dis Colon Rectum** 1987 Mar; 30(3):180–4

Screening for colorectal cancer in a high–risk population. Results of a mathematical model. Eddy DM, et al. **Gastroenterology** 1987 Mar;92(3):682–92

The Melbourne colorectal cancer study: incidence findings by age, sex, site, migrants and religion. Kune S, et al. **Int J Epidemiol** 1986 Dec;15(4):483–93

Mass screening for colorectal cancer in Hungary. Preisich P, et al. **J R Soc Med** 1987 Jun;80(6):352–3

Evaluation of positive Hemoccult test results obtained in a community screening program. Heim CR, et al. **J Tenn Med Assoc** 1986 Dec;79(12):755–8

Colorectal cancer at a public health center [letter] Bobrow RS. **JAMA** 1987 Feb 13;257(6):782–3

Serum cholesterol and the risk of colorectal cancer [letter] Holtzman EJ, et al. **N Engl J Med** 1987 Jul 9;317(2):114

Relation between the frequency of colorectal adenoma and the serum cholesterol level. Mannes GA, et al. **N Engl J Med** 1986 Dec 25;315(26):1634–8

Risks of cancer of the colon and rectum in relation to serum cholesterol and beta–lipoprotein. Törnberg SA, et al. **N Engl J Med** 1986 Dec 25;315(26):1629–33

Dietary habits and colorectal cancer incidence in a second–defined kibbutz population. Rozen P, et al. **Nutr Cancer** 1987;9(2–3):177–84

The age–, sex–, and site–specific occurrence of adenomas and carcinomas of the large intestine within a defined population. Eide TJ. **Scand J Gastroenterol** 1986 Nov; 21(9):1083–8

Site distribution of colorectal adenocarcinomas. A retrospective study of 853 tumours. Halvorsen TB. **Scand J Gastroenterol** 1986 Oct;21(8):973–8

Epidemiology of polyps in the rectum and colon. Recovery and evaluation of unresected polyps 2 years after detection. Hoff G, et al. **Scand J Gastroenterol** 1986 Sep;21(7):853–62

Epidemiology of polyps in the rectum and sigmoid colon. Discriminant analysis for identification of individuals at risk of developing colorectal neoplasia. Hoff G, et al. **Scand J Gastroenterol** 1986 Sep;21(7):848–52

Colorectal cancer mortality and incidence in Campbell County, Kentucky. Richmond RE, et al. **South Med J** 1987 Aug;80(8):953–7

[Colorectal cancer in Denmark 1943–1982. Cancer statistics no. 16] Mellemgaard A, et al. **Ugeskr Laeger** 1987 Jan 12; 149(3):188–91 **(Dan)**

[Epidemiology of rectal cancer: current findings] Maskens AP, et al. **Acta Chir Belg** 1987 Mar–Apr;87(2):87–91 (Eng. Abstr.) **(Fre)**

[Incidence of colorectal cancer in the Haute–Garonne Department. Evaluation of 2 years of registration (1982–1983)] Pienkowski P, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):497–503 (Eng. Abstr.) **(Fre)**

[Cancer of the rectum in Tunisia] Mourali N, et al. **Tunis Med** 1986 Apr;64(4):343–9 (Eng. Abstr.) **(Fre)**

[Colonic and rectal cancer screening using fecal occult blood analysis (our experience)] Trignano M, et al. **Chir Ital** 1986 Oct;38(5):511–8 (Eng. Abstr.) **(Ita)**

[Hospitalization for neoplastic pathology of the colon and rectum in the Piedmont region in the 4–year period 1976–1979] Durando R, et al. **Minerva Chir** 1986 Dec 31; 41(23–24):2041–4 (Eng. Abstr.) **(Ita)**

[Colorectal cancer and synchronous adenomatous or malignant polyps—factors influencing its incidence] Shida H, et al. **Gan No Rinsho** 1987 Jul;33(8):929–35 (Eng. Abstr.) **(Jpn)**

[Melanoma of the rectum in late middle–aged patients] Bondar' GV, et al. **Klin Khir** 1987;(5):48 **(Rus)**

[Frequency of carcinoma of the colon and stomach 1960–1979 in relation to dietary and migratory changes] Maté Jiménez J, et al. **Rev Esp Enferm Apar Dig** 1987 Jan; 71(1):31–7 (Eng. Abstr.) **(Spa)**

[Epidemiology of colorectal carcinoma in Cantabria] Terrazas Hontañón JM, et al. **Rev Esp Oncol** 1985; 32(1):23–53 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Systemic lupus erythematosus with rectal stenosis simulating tumour or diverticulosis. Case report. Palvio DH, et al. **Acta Chir Scand** 1987 Jan;153(1):63–5

A pathological study on colorectal cancer. From de novo carcinoma to advanced carcinoma. Ikegami M. **Acta Pathol Jpn** 1987 Jan;37(1):21–37

Long term survival case of small (oat) cell carcinoma of the rectum. Shirouzu K, et al. **Acta Pathol Jpn** 1987 Jan; 37(1):111–6

Synchronous cancers of the colon and rectum: report of eight cases. Chawla SK, et al. **Am J Gastroenterol** 1986 Nov; 81(11):1065–7

Mucosal field change in colorectal cancer. Dawson PM, et al. **Am J Surg** 1987 Mar;153(3):281–4

Villous and tubulovillous adenomas of the colon and rectum. A retrospective review, 1964–1985. Galandiuk S, et al. **Am J Surg** 1987 Jan;153(1):41–7

Colon and rectal carcinoma. Forty years and 1400 cases. Martin MB, et al. **Am Surg** 1987 Mar;53(3):146–8

A universal staging system for cancer of the colon and rectum revisited [letter] **Arch Pathol Lab Med** 1986 Dec; 110(12):1119–20

Universal staging system for colorectal cancer [letter] Riddell RH. **Arch Pathol Lab Med** 1987 Apr;111(4):312–4

Criteria for the selection of 'early' carcinomas of the rectum.

Are they valid? Nelson JC, et al. **Arch Surg** 1987 May; 122(5):533–6

The use of the implantable chemoinfusion pump in the treatment of hepatic metastases of colorectal cancer. Ramming KP, et al. **Arch Surg** 1986 Dec;121(12):1440–4

Growth factor–induced proliferative responses of human and DMH–induced rat colorectal tumour cell lines. Maley MA, et al. **Aust J Exp Biol Med Sci** 1986 Oct;64 (Pt 5):445–51

Endometriosis of the sigmoid colon and rectum. Eyers T, et al. **Aust NZ J Surg** 1978 Dec;48(6):639–43

Pre–operative isotope liver scanning in clinicopathological staging of patients with large bowel cancer. Florin T, et al. **Aust NZ J Surg** 1987 Jul;57(7):451–4

Augmentation of methotrexate cytotoxicity in human colon cancer cells achieved through inhibition of thymidine salvage by dipyridamole. Van Mouwerik TJ, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):809–14

Labeling index and labeling distribution in the colonic crypts: a contribution to definition of patients at high risk for colorectal cancer. Bourry J, et al. **Biomed Pharmacother** 1987;41(3):151–5

Pre–operative assessment of local invasion in rectal cancer: digital examination, endoluminal sonography or computed tomography? Beynon J, et al. **Br J Surg** 1986 Dec; 73(12):1015–7

Major hepatic resection for colorectal liver metastases. Bradpiece HA, et al. **Br J Surg** 1987 Apr;74(4):324–6

Carcinoid tumours of the rectum and anus. Burke M, et al. **Br J Surg** 1987 May;74(5):358–61

Determinants of survival in liver resection for colorectal secondaries. Ekberg H, et al. **Br J Surg** 1986 Sep; 73(9):727–31

The prognostic value of substaging colorectal carcinoma. A prospective study of 1117 cases with standardized pathology. Newland RC, et al. **Cancer** 1987 Aug 15; 60(4):852–7

Perfusion of colorectal hepatic metastases. Relative distribution of flow from the hepatic artery and portal vein. Ridge JA, et al. **Cancer** 1987 May 1;59(9):1547–53

Synchronous neoplasms in patients with diminutive colorectal adenomas. Tripp MR, et al. **Cancer** 1987 Oct 1;60(7):1599–603

Perioperative blood transfusion does not increase the risk of colorectal cancer recurrence. Weiden PL, et al. **Cancer** 1987 Aug 15;60(4):870–4

Complementation of intracavitary and intravenous administration of a monoclonal antibody (B72.3) in patients with carcinoma. Colcher D, et al. **Cancer Res** 1987 Aug 1;47(15):4218–24

Ulex europeus agglutinin I–reactive high molecular weight glycoproteins of adenocarcinoma of distal colon and rectum and their possible relationship with metastatic potential. Irimura T, et al. **Cancer Res** 1987 Feb 1; 47(3):881–9

Tumor growth modulation by a monoclonal antibody to the epidermal growth factor receptor: immunologically mediated and effector cell–independent effects. Rodeck U, et al. **Cancer Res** 1987 Jul 15;47(14):3692–6

Neuroendocrine cells within colorectal tumours induced by dimethylhydrazine. An immunocytochemical study. Johnston CF, et al. **Cell Tissue Res** 1986;246(1):205–10

Diagnosis and management of colorectal cancer. Koretz MJ, et al. **Compr Ther** 1987 Jun;13(6):40–7

Leiomyosarcoma of the rectum. Report of two cases illustrating an unusual presentation and the need for repeated biopsy. Berridge DC. **Dis Colon Rectum** 1987 Sep; 30(9):721–2

Staging laparotomy for inoperable or borderline operable cancer of the rectum. Buhre LM, et al. **Dis Colon Rectum** 1987 May;30(5):352–4

Malignant lymphoma of the rectum. Devine RM, et al. **Dis Colon Rectum** 1986 Dec;29(12):821–4

Histopathology of colorectal carcinomas and adenomas in cancer family syndrome. Mecklin JP, et al. **Dis Colon Rectum** 1986 Dec;29(12):849–53

A small carcinoma of the rectum with a singular histopathologic feature. Report of a case. Orii S, et al. **Dis Colon Rectum** 1987 Aug;30(8):630–5

Sputum cytology for the detection of pulmonary metastases from colorectal carcinoma. Radford D, et al. **Dis Colon Rectum** 1987 Sep;30(9):678–82

Assessment of depth of invasion in rectal cancer by endosonography. Feifel G, et al. **Endoscopy** 1987 Mar; 19(2):64–7

Dysplasia–carcinoma sequence, types of adenomas and early colo–rectal carcinoma. Hermanek P. **Eur J Surg Oncol** 1987 Apr;13(2):141–3

Ulcerated ectopic gastric mucosa of the rectum. Pistoia MA, et al. **Gastrointest Endosc** 1987 Feb;33(1):41–3

Endosonographic staging of rectal carcinoma. Di Candio G, et al. **Gastrointest Radiol** 1987;12(4):289–95

Gastrointestinal carcinoma—are there age–related differences in tumor behavior? Hermanek P. **Hepatogastroenterology** 1986 Aug;33(4):180–3

The clinical significance of CT in the preoperative diagnosis of colon and rectal cancer. Itano S, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):309–15

Villous adenoma presenting as a vaginal polyp in a rectovaginal tract. Ciano PS, et al. **Hum Pathol** 1987 Aug; 18(8):863–6

Search for improved culture conditions for clonogenic growth of human colorectal cancer cells in vitro. Scheithauer W, et al. **Int J Cell Cloning** 1987 Jan;5(1):55–70

Transrectal ultrasonography: three years' experience. Boscaini M, et al. **Int J Color Dis** 1986 Oct;1(4):208–11

Commentary: does rectal endosonography influence rectal cancer treatment? Hawley PR. **Int J Color Dis** 1986 Oct; 1(4):224–6

Early (microinvasive) colorectal carcinoma. Pathology, diagnosis, surgical treatment. Hermanek P, et al. **Int J Color Dis** 1986 Apr;1(2):79–84

Fat clearance method versus manual dissection of lymph nodes in specimens of rectal cancer. Jass JR, et al. **Int J Color Dis** 1986 Jul;1(3):155–6

Computed tomography versus endosonography in the staging of rectal carcinoma: a comparative study. Kramann B, et al. **Int J Color Dis** 1986 Oct;1(4):216–8

A comparison of computed tomography and endorectal ultrasound in staging rectal cancer. Rifkin MD, et al. **Int J Color Dis** 1986 Oct;1(4):219–23

Polyps of the colon in juvenile and young patients: histological type and C.E.A. content in relation to follow–up. Arrabito G, et al. **Ital J Surg Sci** 1987; 17(1):37–40

A rapid and simple procedure for dissociation of tumor tissue from the human colon. Kemmner W, et al. **J Cancer Res Clin Oncol** 1987;113(4):400–1

Problems of staging colorectal cancer. Pfaff G, et al. **J Cancer Res Clin Oncol** 1986;112(2):170–6

Activity of cancer chemotherapeutic agents against human colorectal carcinomas grown as primary tissue culture. Zirvi KA, et al. **J Cancer Res Clin Oncol** 1987;113(1):20–6

Rightward shift of colon cancer. A feature of the aging gut. Schub R, et al. **J Clin Gastroenterol** 1986 Dec;8(6):630–4

Variation in the argyrophil cell population of the rectum in ulcerative colitis and adenocarcinoma. Gledhill A, et al. **J Pathol** 1986 Aug;149(4):287–91

Preoperative staging of local invasion in rectal cancer using endoluminal ultrasound. Beynon J, et al. **J R Soc Med** 1987 Jan;80(1):23–4

Diagnostic evaluation and survival analysis of colorectal cancer patients with liver metastases. de Brauw LM, et al. **J Surg Oncol** 1987 Feb;34(2):81–6

Primary squamous cell carcinoma of the colorectum: case report and literature review of a rare entity. Pigott JP, et al. **J Surg Oncol** 1987 Jun;35(2):117–9

Colorectal carcinoma in young adults: an autopsy study. Sarma DP. **J Surg Oncol** 1987 May;35(1):52–4

Elevation of infiltrating mononuclear phagocytes in human colorectal tumors. Allen C, et al. **JNCI** 1987 Mar; 78(3):465–70

Experimental nude mouse model of human colorectal cancer liver metastases. Giavazzi R, et al. **JNCI** 1986 Dec; 77(6):1303–8

Local recurrence after curative anterior resection for carcinoma of the rectum. Tomoda H, et al. **Jpn J Surg** 1986 Sep;16(5):377–9

Any advance on Dukes? [editorial] **Lancet** 1987 Jun 6; 1(8545):1301

A new prognostic classification of rectal cancer. Jass JR, et al. **Lancet** 1987 Jun 6;1(8545):1303–6

Local recurrence of rectal adenocarcinoma due to inadequate surgical resection. Histopathological study of lateral tumour spread and surgical excision. Quirke P, et al. **Lancet** 1986 Nov 1;2(8514):996–9

Mucinous carcinoma of the colon and rectum and its relation with adenomas. Naves AE, et al. **Medicina (B Aires)** 1985; 45(3):252–6

Clinical staging of rectal cancer: a study on 126 patients. Cellini N, et al. **Rays** 1986 Jan–Apr;11(1):69–79

Staging of carcinoma of the colon and rectum. Terrazas JM, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):255–9

Growth characteristics of human colorectal and non–small cell lung tumors xenografted into nude mice: possible correlation with prognosis. Pratesi G, et al. **Tumori** 1986 Aug 31;72(4):351–6

Anthracycline in colorectal carcinoma: an in vitro short–term assay to predict drug sensitivity. Preliminary results. Seminara P, et al. **Tumori** 1987 Feb 28;73(1):69–73

Prostatic invasion of rectal carcinoma: does transurethral surgery alter prognosis? Simon A, et al. **Urology** 1987 Jan; 29(1):71–2

A morphometrical analysis of dysplasia in small adenomas of the large intestine. Eide TJ. **Virchows Arch [A]** 1986; 410(2):119–24

[Study of Dukes' staging of colorectal carcinoma by the prognosis. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer] **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):144–5 (Eng. Abstr.) **(Chi)**

[Prognostic significance of pathology in 3, 147 cases of colorectal cancer. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer] **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):136–9 (Eng. Abstr.) **(Chi)**

[Pathology and prognosis of colorectal cancer in Chinese young patients—an analysis of 319 cases. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer] **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):146–8 (Eng. Abstr.) **(Chi)**

[Characteristics and origin of intestinal juvenile polyps] Xu JY. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep; 15(3):225–7 **(Chi)**

[Immunologic findings in patients with colorectal carcinoma. V. CEA in colorectal carcinoma. Comparison with the activity of biological markers of malignancy] Richter J, et al. **Rozhl Chir** 1986 Jul;65(7):533–6 (Eng. Abstr.) **(Cze)**

[Preoperative ultrasound scanning of the liver in colorectal cancer. A comparative study] Klaaborg KE, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):155–6 (Eng. Abstr.) **(Dan)**

[Concerning the malignancy of villous tumors of the large intestine] Edelmann G. **Ann Gastroenterol Hepatol (Paris)** 1987 Mar–Apr; 23(2):93–6 (Eng. Abstr.) **(Fre)**

[Anatomo–clinical conference. Pitié–Salpêtrière Hospital. Recurrent neurological deficits and hypofibrinemia in a 35–year–old man] Piette JC, et al. **Ann Med Interne (Paris)** 1986;137(5):437–44 **(Fre)**

[Vascular history of hepatic metastases (K2), categorization and therapeutic choice] Bourgeon R, et al. **Bull Mem Acad R Med Belg** 1985;140(11):405–13 (Eng. Abstr.) **(Fre)**

[Anatomo–pathological factors in the prognosis of rectal cancers. A mono– and multifactorial study] Bosset JF, et al. **Gastroenterol Clin Biol** 1986 Nov;10(11):728–35 (Eng. Abstr.) **(Fre)**

[Endorectal ultrasonography: evaluation of locoregional extension of cancers of the rectum] Mosnier H, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):307–11 (Eng. Abstr.) **(Fre)**

[Influence of age and sex on the epidemiology of colorectal cancers (letter)] Chabal J, et al. **Presse Med** 1986 Sep 27; 15(32):1642 **(Fre)**

[Comparative prognostic study of the in vitro and in vivo development of colorectal tumors. Preliminary communication] Givel JC, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):964–6 (Eng. Abstr.) **(Fre)**

[Preoperative staging of rectal cancer with computer tomography] Ruf G, et al. **Langenbecks Arch Chir** 1986; 368(1):3–11 (Eng. Abstr.) **(Ger)**

[Preoperative staging of rectal cancer with computer tomography (editorial)] Stelzner F. **Langenbecks Arch Chir** 1986;368(1):1–2 **(Ger)**

[Heterotopic gastric mucosa of the rectum] Seitz G, et al. **Pathologe** 1987 Jan;8(1):52–5 **(Ger)**

[Tubulovillous adenoma of the rectum with metaplasia of the squamous epithelium] Seitz G, et al. **Pathologe** 1986 Nov;7(6):353–5 **(Ger)**

[Intestinal manifestation of primary Kaposi sarcoma in AIDS] Sorger K, et al. **Pathologe** 1987 Jul;8(4):242–6 **(Ger)**

[Preoperative tumor staging in rectal cancer—a prospective study] Hauenstein KH, et al. **Radiologe** 1986 Aug; 26(8):364–8 (Eng. Abstr.) **(Ger)**

[Radiodiagnosis of recurrences and metastases of colorectal tumors] Kretzschmar U, et al. **Rontgenpraxis** 1987 Jun; 40(6):201–10 (32 ref.) **(Ger)**

[Sonographic assessment of tumor spread in rectal cancer] Pertyński T, et al. **Ultraschall Med** 1986 Dec;7(6):284–6 (Eng. Abstr.) **(Ger)**

[Pathologic findings in colorectal cancers and discussion of their significance for tumor therapy according to stage] Klimpfinger M, et al. **Wien Klin Wochenschr** 1987 Jul 17; 99(14):488–93 (Eng. Abstr.) **(Ger)**

[76–year–old patient with adenocarcinoma of the rectum and fibrolamellar hepatocellular 2d carcinoma. Case report with literature review of hepatocellular carcinoma of the fibrolamellar type] Klimpfinger M, et al. **Wien Klin Wochenschr** 1987 Jul 17;99(14):505–9 (32 ref.) (Eng. Abstr.) **(Ger)**

[Electrolyte and mucous–producing villous adenoma of the large intestine] Dettbarn M, et al. **Z Arztl Fortbild (Jena)** 1986;80(21):909–10 **(Ger)**

[Clinical significance of the adenoma–carcinoma sequence. Results of a retrospective study] Schlenkhoff D, et al. **Zentralbl Chir** 1986;111(18):1100–8 (Eng. Abstr.) **(Ger)**

[Multiple primary malignant tumors found in patients with cancer of the colon and rectum] Tóth A, et al. **Orv Hetil** 1986 Dec 14;127(50):3045–7 (Eng. Abstr.) **(Hun)**

[Intestinal localizations of non–Hodgkin's lymphoma (clinical and histopathologic considerations)] Vigoni A, et al. **Chir Ital** 1986 Aug;38(4):392–8 (Eng. Abstr.) **(Ita)**

[Localization of malignant adenomas in the large intestine] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1986 Jul–Sep;32(3):233–5 (Eng. Abstr.) **(Ita)**

[Villous tumors of the rectum] Sarlo O, et al. **Riv Med Aeronaut Spaz** 1984 Apr–Sep;50(2–3):125–32 (Eng. Abstr.) **(Ita)**

[Transrectal ultrasonography for the assessment of invasion in rectal carcinoma] Morioka Y, et al. **Gan No Rinsho** 1986 Aug;32(10):1304–8 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of colorectal cancer in young adults including a case of cancer family syndrome] Ochi T, et al. **Gan No Rinsho** 1987 Apr;33(4):386–91 (Eng. Abstr.) **(Jpn)**

[Preoperative clinical evaluations of rectal cancer using rectal echo, X–ray CT and MR–CT] Okui K, et al. **Gan No Rinsho** 1986 Aug;32(10):1297–303 (Eng. Abstr.) **(Jpn)**

[Growth rate of human colorectal cancer xenografted in nude mice] Yamada K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Feb;84(2):229–38 (Eng. Abstr.) **(Jpn)**

[Chemo-sensitive differences of primary, metastatic and recurrent tumors of human colorectal cancer] Yamada K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2318-24 (Eng. Abstr.) **(Jpn)**

[Evaluation of intrarectal ultrasonography for assessment of invasion of rectal cancer] Yamashita Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):868-77 (Eng. Abstr.) **(Jpn)**

[Histogenesis of colorectal carcinoma--cancerization by progression] Kino I, et al. **Rinsho Byori** 1987 Apr; 35(4):413-8 **(Jpn)**

[Relation between lymphogenous metastasis of cancer of the rectum and the structure and function of the lymphatic bed] Anichkov NM, et al. **Arkh Patol** 1986;48(11):62-7 (Eng. Abstr.) **(Rus)**

[Morphogenesis of carcinoid of the rectum] Karelin VD. **Arkh Patol** 1987;49(3):73-5 (Eng. Abstr.) **(Rus)**

[Clinical aspects of cytological diagnosis of adenomas of the rectum and sigmoid] Maksimova LV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):69-72 (Eng. Abstr.) **(Rus)**

[Ultrasonography in the diagnosis of metastases of cancer of the large intestine to the liver] Orlova LP. **Ter Arkh** 1987;59(2):121-3 (Eng. Abstr.) **(Rus)**

[Tumors and cysts of the pararectal space] Gorbachev OP, et al. **Vestn Khir** 1986 Jul;137(7):101-2 **(Rus)**

[Intravascular vegetating hemangioendothelioma] Civatte J, et al. **Med Cutan Ibero Lat Am** 1986;14(6):421-4 (Eng. Abstr.) **(Spa)**

[Global prognosis and stage classification of colorectal carcinoma] Terrazas Hontañón JM, et al. **Rev Esp Oncol** 1985;32(2):323-41 (Eng. Abstr.) **(Spa)**

[Non-epithelial and carcinoid tumors of the large intestine] San Martin S, et al. **Rev Med Chil** 1986 Jan;114(1):17-22 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Bile acids and cancer of the large bowel. Breuer NF, et al. **Dig Dis** 1987;5(2):65-77

PREVENTION & CONTROL

Chemoprevention of colorectal neoplasms. Ascorbic acid and beta-carotene. Colacchio TA, et al. **Arch Surg** 1986 Dec; 121(12):1421-4

Colorectal cancer. A blueprint for disease control through screening by primary care physicians. Wanebo HJ, et al. **Arch Surg** 1986 Nov;121(11):1347-52

Compliance with screening for colorectal cancer [letter] Cuckle HS, et al. **Br Med J [Clin Res]** 1986 Sep 6; 293(6547):628

Surgical prophylaxis against large bowel tumors in an animal model. Donegan WL, et al. **Cancer Detect Prev** 1987; 10(5-6):321-6

Mass screening for colorectal cancer by testing for occult blood under restricted diet and a questionnaire in Osaka. Fujita M, et al. **Cancer Detect Prev** 1987;10(5-6):353-60

Prevention of colorectal cancer. Role of association between gallstones and colorectal cancer. Gafà M, et al. **Dis Colon Rectum** 1987 Sep;30(9):692-6

Fluorouracil in chemoprophylaxis of colorectal cancer. Results of a controlled clinical trial. Irvin T, et al. **Dis Colon Rectum** 1986 Nov;29(11):704-6

Colo-rectal cancer, the prophylactic effect of polypectomy. Fasching W. **Eur J Surg Oncol** 1987 Apr;13(2):151-2

Effect of workup strategy on the cost-effectiveness of fecal occult blood screening for colorectal cancer. Barry MJ, et al. **Gastroenterology** 1987 Aug;93(2):301-10

Screening for colorectal cancer in a high risk population [letter] Gholson CF. **Gastroenterology** 1987 Oct;93(4):916

Prevention and early diagnosis of cancer in the rectal stump of ulcerative colitis patients after colectomy and topical treatment. Trabucchi E, et al. **Int J Clin Pharmacol Res** 1987;7(2):157-64

Symposium: Screening for colorectal cancer. Macrae F, et al. **Int J Color Dis** 1986 Apr;1(2):63-78

Screening for colorectal cancer [letter] Dervin JV. **J Fam Pract** 1987 Feb;24(2):208

Physician screening practices and colorectal cancer screening prevalence among the Rhode Island population. Masterson-Allen S, et al. **RI Med J** 1987 May;70(5):217-21

Participation in mass screening for colorectal cancer with fecal occult blood test. Klaaborg K, et al. **Scand J Gastroenterol** 1986 Dec;21(10):1180-4

Colorectal health CHECK: a strategy for prevention. Mastromarino AJ. **Tex Med** 1987 Apr;83(4):57-64

Screening and prevention of colorectal cancer. Stone WH. **Wis Med J** 1986 Sep;85(9):27-9

[Colorectal cancer. Knowledge of the public and acceptability of early detection in non-hospital medical practice] Bost R, et al. **Gastroenterol Clin Biol** 1987 Jun-Jul; 11(6-7):493-9 (Eng. Abstr.) **(Fre)**

[Empirical study of the assessment of diagnostic procedures as exemplified by the Hemoccult test] Windeler J, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1106-12 (Eng. Abstr.) **(Ger)**

[Summary of a new assessment strategy in positive occult blood tests in mass screening] Robra BP. **Leber Magen Darm** 1987 Apr;17(2):113-24 (Eng. Abstr.) **(Ger)**

[Early detection of intestinal cancer--a task for the public health office?] Menke J. **Off Gesundheitswes** 1987 Jun; 49(6):282-4 (Eng. Abstr.) **(Ger)**

[Hemoccult test--screening] **Z Gastroenterol** 1987 Mar; 25(3):185-94 **(Ger)**

PSYCHOLOGY

Gender and illness behavior among colorectal cancer patients. Marshall JR, et al. **Women Health** 1986 Fall-Winter;11(3-4):67-82

RADIOGRAPHY

Computed tomography in early diagnosis of local recurrence of rectal carcinoma. Adalsteinsson B, et al. **Acta Radiol** 1987 Jan-Feb;28(1):41-7

Radiologic impact on operative access to a retrorectal cyst. Burchell MC. **Dis Colon Rectum** 1987 May;30(5):396-7

CT guided transgluteal fine needle aspiration biopsy. Adler OB, et al. **Eur J Radiol** 1987 May;7(2):101-2

Radiologic diagnosis of invasive carcinoma on adenomatous polyps of the colon. Bellomi M, et al. **Eur J Radiol** 1986 Aug;6(3):199-201

CT staging of early rectal carcinoma. Göthlin JH, et al. **Gastrointest Radiol** 1987;12(3):253-6

Perception errors with double-contrast enema after a positive guaiac test. Kewenter J, et al. **Gastrointest Radiol** 1987; 12(1):79-82

Computed tomography in the differential diagnosis of the enlarged retrorectal space. Krestin GP, et al. **Gastrointest Radiol** 1986;11(4):364-9

Hemangioma of the rectum: CT appearance. Pérez C, et al. **Gastrointest Radiol** 1987;12(4):347-9

Preoperative staging of rectal cancer: validity of the abdominopelvic angio-C.T. Fegiz G, et al. **Ital J Surg Sci** 1986;16(3):173-8

Recurrent colorectal carcinoma: evaluation with barium enema examination and CT. Chen YM, et al. **Radiology** 1987 May;163(2):307-10

Perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations. Hulnick DH, et al. **Radiology** 1987 Sep;164(3):611-5

Colorectal carcinoma: a radiologic and clinical review. Kelvin FM, et al. **Radiology** 1987 Jul;164(1):1-8 (42 ref.)

Liver metastases from colorectal cancers: detection with CT during arterial portography. Matsui O, et al. **Radiology** 1987 Oct;165(1):65-9

Pelvic exenteration: role of CT in follow-up. Pan G, et al. **Radiology** 1987 Sep;164(3):665-70

Hemangioma of the rectum: report of a case. Brindicci D, et al. **Rays** 1986 May-Aug;11(2):45-8

Multiple carcinomas of the colon and rectum. Vadalà G, et al. **Rays** 1987 Jan-Apr;12(1):15-26

[Radiological diagnosis of metastatic cancer of the rectum and sigmoid colon via direct invasion and peritoneal implantation] Zhang TL. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):353-5 (Eng. Abstr.) **(Chi)**

[CT diagnosis of recurrent rectal carcinoma following surgery] Degryse H, et al. **Acta Chir Belg** 1986 Nov-Dec; 86(6):363-7 (Eng. Abstr.) **(Dut)**

[The value of computerized tomography in the diagnosis of local recurrence following surgery for rectal or rectosigmoidal carcinoma (letter)] **Ned Tijdschr Geneeskd** 1986 Sep 20;130(38):1717-9 **(Dut)**

[Possibilities of computerized tomography in the diagnosis of recurrent rectal carcinoma] Gabunija RI, et al. **Radiol Diagn (Berl)** 1986;27(5):573-7 (Eng. Abstr.) **(Ger)**

[Intra-arterial dynamic computed tomography in characterizing liver metastases of colorectal cancer] Flentje M, et al. **ROFO** 1986 Sep;145(3):263-7 (Eng. Abstr.) **(Ger)**

[Significance of the colon contrast enema in evaluating the importance of rectosigmoid polyps] Gross-Fengels W, et al. **Rontgenblatter** 1986 Sep;39(9):245-50 (Eng. Abstr.) **(Ger)**

[Roentgen diagnosis of colorectal endometriosis] Runte F, et al. **Rontgenblatter** 1987 May;40(5):161-4 (Eng. Abstr.) **(Ger)**

[Liver metastases of colorectal carcinoma: computerized tomographic follow-ups and prognoses in relation to therapy] Leipner N, et al. **Strahlenther Onkol** 1987 Aug; 163(8):534-43 (Eng. Abstr.) **(Ger)**

[Reservations in the routine use of preoperative urography in colorectal carcinomas] Gigli F, et al. **Radiol Med (Torino)** 1987 Jan-Feb;73(1-2):61-3 (Eng. Abstr.) **(Ita)**

[Radiological differential diagnosis of colorectal cancer] Matsukawa M, et al. **Gan No Rinsho** 1986 Aug; 32(10):1287-92 (Eng. Abstr.) **(Jpn)**

[Hemangioma of the rectum] Kimoto M, et al. **Rinsho Hoshasen** 1987 Jan;32(1):147-9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

The localization of anti-tumour monoclonal antibodies in colorectal cancer. Armitage NC. **Ann R Coll Surg Engl** 1986 Nov;68(6):302-6

Imaging of human colorectal adenocarcinoma with indium-labeled anticarcinoembryonic antigen monoclonal antibody. Duda RB, et al. **Arch Surg** 1986 Nov; 121(11):1315-9

Immunoscintigraphy of colorectal carcinoma with F (ab')2 fragments of anti-CEA monoclonal antibody. Buraggi G, et al. **Cancer Detect Prev** 1987;10(5-6):335-45

Preoperative imaging of colorectal carcinoma with 111In-labeled anticarcinoembryonic antigen monoclonal antibody. Beatty JD, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6494-502

Immunoscintigraphy in the follow-up of patients operated on for carcinoma of the sigmoid and rectum. Preliminary report with a new monoclonal antibody: B72.3. Renda A, et al. **Dis Colon Rectum** 1987 Sep;30(9):683-6

Comparative imaging and biodistribution studies with an anti-CEA monoclonal antibody and its F(ab)2 and Fab fragments in mice with colon carcinoma xenografts. Andrew SM, et al. **Eur J Nucl Med** 1986;12(4):168-75

Tumor scintigraphy with 131I anti CEA monoclonal antibodies and F(ab')2 in colorectal cancer. Henze E, et al. **Eur J Nucl Med** 1987;13(3):125-9

Lymphoscintigraphy of human colorectal carcinoma metastases in athymic mice by use of radioiodinated B72.3 monoclonal antibody. Shah SA, et al. **JNCI** 1987 Jun; 78(6):1069-77

Colorectal carcinoma: detection with indium-111 anticarcinoembryonic-antigen monoclonal antibody ZCE-025. Abdel-Nabi HH, et al. **Radiology** 1987 Sep; 164(3):617-21

[Value of gallium-67 citrate in the diagnosis of recurrence of cancer of the rectum] Bogdasarov IuB, et al. **Vestn Rentgenol Radiol** 1986 Sep-Oct;(5):42-5 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Preoperative radiation therapy for rectal cancer. An effective therapy in need of a clinical trial. Fortier GA, et al. **Arch Surg** 1986 Dec;121(12):1380-5

The future of external beam irradiation as initial treatment of rectal cancer. Papillon J. **Br J Surg** 1987 Jun; 74(6):449-54

External beam radiotherapy for rectal adenocarcinoma. Taylor RE, et al. **Br J Surg** 1987 Jun;74(6):455-9

An interim assessment of the experience of fast neutron boost in inoperable rectal carcinomas in Orléans. Breteau N, et al. **Bull Cancer (Paris)** 1986;73(5):591-5

The evolving role of radiation therapy in the management of colorectal cancer. Sischy B, et al. **CA** 1986 Nov-Dec; 36(6):351-9

Extramedullary plasmacytoma of the rectum: two cases treated by radiotherapy. Price A, et al. **Clin Radiol** 1987 May;38(3):283-5

Postoperative pelvic irradiation [letter] Greene BD. **Dis Colon Rectum** 1986 Nov;29(11):780-1

Symptomatic recurrences of carcinoma of the rectum and sigmoid. The influence of radiotherapy on the quality of life. Pacini P, et al. **Dis Colon Rectum** 1986 Dec; 29(12):865-8

Intraoperative electron beam radiation therapy with particular reference to the treatment of rectal carcinomas--primary and recurrent. Sischy B. **Dis Colon Rectum** 1986 Nov;29(11):714-8

Rectal carcinoma: a new technique to allow safer postoperative irradiation of the pelvis. Allen PI, et al. **Eur J Surg Oncol** 1987 Feb;13(1):21-5

Carcinoembryonic antigen as a prognostic indicator in the radiotherapeutic management of rectal cancer. Davey P, et al. **Eur J Surg Oncol** 1987 Feb;13(1):17-20

Treatment planning of esophagus, stomach, rectum and pancreas. Kagan AR, et al. **Front Radiat Ther Oncol** 1987; 21:236-46

Radiation therapy in the conservative management of cancers of the low rectum and anal canal. Papillon J. **Int J Color Dis** 1986 Oct;1(4):251-5

Dose response to preoperative irradiation in rectal cancer: implications for local control and complications associated with sphincter sparing surgery and abdominoperineal resection. Fortier GA, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep;12(9):1559-63

Adjuvant irradiation of rectal cancer [editorial] Gunderson LL. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):141-2

High dose preoperative radiation and sphincter preservation in the treatment of rectal cancer. Mohiuddin M, et al. **Int J Radiat Oncol Biol Phys** 1987 Jun;13(6):839-42

Local control with pre-operative radiotherapy alone versus "sandwich" radiotherapy for rectal carcinoma [published erratum appears in Int J Radiat Oncol Biol Phys 1987 Jun;13(6):949] Shank B, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):111-5

Postoperative radiation therapy of rectal cancer. Tepper JE, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):5-10

Post-operative radiation therapy of rectal cancer [letter] Tepper JE. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):145

Technique of postoperative pelvic radiation in the management of rectal and rectosigmoid carcinoma. Kumar PP, et al. **J Natl Med Assoc** 1987 Jun;79(6):609-15

Exclusion of small bowel from pelvis for postoperative radiotherapy for rectal cancer. Bakare SC, et al. **J Surg Oncol** 1987 May;35(1):55-8

Effects of microwave acupuncture on the immunological function of cancer patients. He CJ, et al. **J Tradit Chin Med** 1987 Mar;7(1):9-11

Dosimetry of an endocavitory treatment system. Tobochnik N, et al. **Med Phys** 1987 Mar-Apr;14(2):265-7

Use of second antibody in radioimmunotherapy. Begent RH, et al. **NCI Monogr** 1987;(3):59-61

Results of two randomised clinical trials of neutron therapy in rectal adenocarcinoma. Duncan W, et al. **Radiother Oncol** 1987 Mar;8(3):191–8

Adjuvant irradiation after radical surgery of cancer of the rectum and rectosigmoid. Zucali R, et al. **Radiother Oncol** 1987 Jan;8(1):19–24

Techniques and results in the irradiation of recurrences, macroscopic residues, and primary inoperable tumors in rectal cancer. De Renzis C, et al. **Rays** 1986 May–Aug; 11(2):119–23

Intestinal anastomosis after preoperative radiation therapy for carcinoma of the rectum. Friedmann P, et al. **Surg Gynecol Obstet** 1987 Mar;164(3):257–60

Preoperative radiotherapy in rectal cancer. Duncan W. **World J Surg** 1987 Aug;11(4):439–45

[Radiotherapy following surgical treatment of rectal carcinoma] Gescher FM, et al. **Ned Tijdschr Geneeskd** 1987 Mar 28;131(13):530–2 (Eng. Abstr.) **(Dut)**

[Palliative radiotherapy of recurrence in rectal carcinoma] Gescher FM, et al. **Ned Tijdschr Geneeskd** 1987 Mar 28; 131(13):533–5 (Eng. Abstr.) **(Dut)**

[Value of postoperative radiotherapy in cancer of the rectum. Apropos of 30 cases] Baillet F, et al. **Chirurgie** 1987; 113(2):99–105 (Eng. Abstr.) **(Fre)**

[Perioperative irradiation in cancer of the rectum (letter)] Arsac M, et al. **Presse Med** 1987 Jan 10–17;16(1):36 **(Fre)**

[Radiation enteritis after pelvic irradiation of cancer of the rectum. Prevention by omentoplasty and pelvic partitioning with polyglactin 910 mesh] Samama G, et al. **Presse Med** 1987 Jul 4;16(26):1282–4 (Eng. Abstr.) **(Fre)**

[Value of radiotherapy in the interdisciplinary therapeutic treatment concept of rectal cancer] Schmitt G, et al. **Radiologe** 1986 Aug;26(8):381–4 (13 ref.) (Eng. Abstr.) **(Ger)**

[Intraoperative radiotherapy] Hata K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1564–9 (Eng. Abstr.) **(Jpn)**

[Proliferative activity as a prognostic factor of tumor reaction to radiation in man] Karakulov RK, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):22–4 **(Rus)**

[Whole-body hyperthermia and hyperglycemia in the combined treatment of rectal cancer] Kulemin VV, et al. **Med Radiol (Mosk)** 1987 Jan;32(1):50–2 (Eng. Abstr.) **(Rus)**

[The ANET-B apparatus with 252Cf sources for intracavitary radiotherapy of cancer patients] Elisiutin GP, et al. **Med Tekh** 1987 May–Jun;(3):23–8 (Eng. Abstr.) **(Rus)**

[The use of artificial hyperglycemia in the radiotherapy of patients with rectal cancer] Krimker VM, et al. **Vopr Onkol** 1986;32(10):40–6 (Eng. Abstr.) **(Rus)**

[Experience of the use of histoautoradiography in vitro, using 3H-thymidine, for assessing the degree of radiation damage to rectal adenocarcinoma] Savel'eva OP, et al. **Vopr Onkol** 1986;32(11):77–9 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Colostomy and stoma rehabilitation] Moriya Y. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3127–34 (Eng. Abstr.) **(Jpn)**

SECONDARY

Rectal mass of prostatic origin: a possible trap for general surgeons. Taylor PR, et al. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1159

Adjuvant perioperative hepatic arterial mitomycin C and floxuridine combined with surgical resection of metastatic colorectal cancer in the liver. Patt YZ, et al. **Cancer** 1987 Mar 1;59(5):867–73

Recurrent metastasis of endometrial carcinoma in different regions. Saha S, et al. **J Indian Med Assoc** 1986 Dec; 84(12):383–5

[Digestive linitis plastica. Apropos of a case of successive gastric and rectal localization] Stoppa R, et al. **Chirurgie** 1986;112(4):261–7 (Eng. Abstr.) **(Fre)**

[Metastasis of breast carcinoma to the intestinal tract and endometrium] Krug B, et al. **ROFO** 1986 Dec;145(6):732–4 **(Ger)**

SECRETION

Colorectal goblet cell sialomucin heterogeneity: its relation to malignant disease. Sugihara K, et al. **J Clin Pathol** 1986 Oct;39(10):1088–95

SURGERY

Abdominosacral coloanostomy made by invagination. Kemenes B. **Acta Chir Hung** 1987;28(1):49–56

Changes in nutritional and immunologic parameters after preparation for colonic surgery. Montanari M, et al. **Acta Chir Scand** 1986 Aug–Sep;152:527–30

Double stapling technique in the management of rectal tumours. Stähle E, et al. **Acta Chir Scand** 1986 Dec; 152:743–7

Ringlike rectal ulcers after biopsy or polypectomy. Lev-Toaff AS, et al. **AJR** 1987 Feb;148(2):285–6

En bloc resection of colon cancer adherent to other organs. Hunter JA, et al. **Am J Surg** 1987 Jul;154(1):67–71

Perioperative blood transfusion associated with infectious complications after colorectal cancer operations. Tartter PI, et al. **Am J Surg** 1986 Nov;152(5):479–82

Sphincter-saving excision for cancers of the middle and lower parts of the rectum. Goligher JC. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):361–3

The value and significance of the limited barium enema examination following restorative resection for carcinoma of the rectum. Markham NI, et al. **Ann R Coll Surg Engl** 1987 May;69(3):116–8

An analysis of survival and treatment failure following abdominoperineal and sphincter-saving resection in Duke's B and C rectal carcinoma. A report of the NSABP clinical trials [letter] Henderson JM, et al. **Ann Surg** 1987 Aug; 206(2):224–6

An analysis of survival and treatment failure following abdominoperineal and sphincter-saving resection in Dukes' B and C rectal carcinoma. A report of the NSABP clinical trials. National Surgical Adjuvant Breast and Bowel Project. Wolmark N, et al. **Ann Surg** 1986 Oct;204(4):480–9

Palliation for rectal cancer. Resection? Anastomosis? Moran MR, et al. **Arch Surg** 1987 Jun;122(6):640–3

Changes in the treatment of rectal carcinoma and effects on local recurrence [published erratum appears in Arch Surg 1987 Sep;122(9):1088] Odou MW, et al. **Arch Surg** 1986 Oct;121(10):1114–6

Pelvic and sacropelvic exenteration for locally advanced or recurrent anorectal cancer. Pearlman NW, et al. **Arch Surg** 1987 May;122(5):537–41

Neodymium-YAG laser. A new palliative tool in the treatment of colorectal cancer. Russin DJ, et al. **Arch Surg** 1986 Dec;121(12):1399–403

Colorectal cancer: a large unselected Australian series. Davis NC, et al. **Aust NZ J Surg** 1987 Mar;57(3):153–9

Re: Colorectal cancer: a large unselected Australian series [letter] Hughes ES. **Aust NZ J Surg** 1987 Jul;57(7):493

Local recurrence and the EEA stapler—examination of a predictive model. Isbister WH. **Aust NZ J Surg** 1986 Oct; 56(10):777–80

Endoscopic treatment of inoperable colorectal cancers with the Nd YAG laser. Bown SG, et al. **Br J Surg** 1986 Dec; 73(12):949–52

Occult hepatic metastases in colorectal carcinoma. Finlay IG, et al. **Br J Surg** 1986 Sep;73(9):732–5

Curative resection of primary colorectal cancer [editorial] Jeekel J. **Br J Surg** 1986 Sep;73(9):687–8

Effect of perioperative blood transfusion on recurrence of colorectal cancer. Parrott NR, et al. **Br J Surg** 1986 Dec; 73(12):970–3

Increased recurrence rates in perioperatively transfused colorectal malignancy patients. Burrows L, et al. **Cancer Detect Prev** 1987;10(5–6):361–9

Plasma CEA in large bowel carcinoma: which patients should be followed by regular postoperative measurements? Preliminary follow-up results in 100 patients with different tumor DNA-ploidy patterns. Rognum TO, et al. **Cancer Detect Prev** 1987;10(5–6):347–52

Experience with local rectal cancer excision in light of two recent preoperative diagnostic methods. Accarpio G, et al. **Dis Colon Rectum** 1987 Apr;30(4):296–8

Early complications after low anterior resection for rectal cancer using the EEA stapling device. A prospective trial. Antonsen HK, et al. **Dis Colon Rectum** 1987 Aug; 30(8):579–83

Modified abdominotransanal resection for cancer of the lower third of the rectum. Basso N, et al. **Dis Colon Rectum** 1987 Aug;30(8):641–3

Colonoscopic excision of large and giant colorectal polyps. Technical implications and results over eight years. Bedogni G, et al. **Dis Colon Rectum** 1986 Dec;29(12):831–5

Recurrence rates after curative surgery for rectal carcinoma, with special reference to their accuracy. Carlsson U, et al. **Dis Colon Rectum** 1987 Jun;30(6):431–4

Analysis of recurrence following curative low anterior resection and stapled anastomoses for carcinoma of the middle third and lower rectum. Colombo PL, et al. **Dis Colon Rectum** 1987 Jun;30(6):457–64

Colorectal cancer: Lahey Clinic experience, 1972–1976. An analysis of prognostic indicators. de Leon ML, et al. **Dis Colon Rectum** 1987 Apr;30(4):237–42

The double stapling technique for low anterior resection of rectal carcinoma. Feinberg SM, et al. **Dis Colon Rectum** 1986 Dec;29(12):885–90

One-stage operation for obstructing carcinomas of the left colon and rectum. Feng YS, et al. **Dis Colon Rectum** 1987 Jan;30(1):29–32

Follow-up of colorectal cancer resected for cure. An experience with CEA, TPA, Ca 19-9 analysis and second-look surgery. Fucini C, et al. **Dis Colon Rectum** 1987 Apr;30(4):273–7

Multivisceral resections in colorectal cancer. Gall FP, et al. **Dis Colon Rectum** 1987 May;30(5):337–41

Effect of water irrigations on human colonic mucosa structure after sigmoidostomy. Galliani I, et al. **Dis Colon Rectum** 1987 Jun;30(6):453–6

Local recurrence of rectal cancer [letter] Heald RJ. **Dis Colon Rectum** 1987 Jul;30(7):572

Local recurrence following surgical treatment of rectal cancer. Comparison of anterior and abdominoperineal resection. Heimann TM, et al. **Dis Colon Rectum** 1986 Dec; 29(12):862–4

The Bacon pull-through procedure. Khubchandani IT, et al. **Dis Colon Rectum** 1987 Jul;30(7):540–4

Local tumor recurrence after curative resection for rectal cancer. A ten-hospital review. Neville R, et al. **Dis Colon Rectum** 1987 Jan;30(1):12–7

Abdominal vs. perineal drainage in rectal surgery. Påhlman L, et al. **Dis Colon Rectum** 1987 May;30(5):372–5

Surgery for large bowel cancer in people aged 75 years and older. Payne JE, et al. **Dis Colon Rectum** 1986 Nov; 29(11):733–7

Clinical follow-up and treatment of locally recurrent colorectal cancer. Waldron RP, et al. **Dis Colon Rectum** 1987 Jun;30(6):428–30

Major or local surgery for cure in early rectal and sigmoid carcinoma—a prospective evaluation. Balslev I, et al. **Eur J Surg Oncol** 1986 Dec;12(4):373–7

Early adjuvant intraportal chemotherapy after curative hepatectomy for colorectal liver metastases—a pilot study. Elias D, et al. **Eur J Surg Oncol** 1987 Jun;13(3):247–50

The prognostic value of preoperative alkaline phosphatase for resection of solitary liver metastasis from colorectal carcinoma. Klompje J, et al. **Eur J Surg Oncol** 1987 Aug; 13(4):345–7

Incidence of urinary tract infections in patients requiring long-term catheterization after abdominoperineal resection for rectal carcinoma: does Betadine in the Foley drainage bag make a difference? Sujka SK, et al. **Eur J Surg Oncol** 1987 Aug;13(4):341–3

Palliative treatment of rectosigmoid carcinoma by laser endoscopic photoablation. Brunetaud JM, et al. **Gastroenterology** 1987 Mar;92(3):663–8

Laser ablation and palliation in colorectal malignancy. Results of a multicenter inquiry. Mathus-Vliegen EM, et al. **Gastrointest Endosc** 1986 Dec;32(6):393–6

Continent colostomy. Damodaram S, et al. **Indian J Gastroenterol** 1987 Apr;6(2):99

Symposium: The management of recurrent colorectal cancer. Attiyeh FF, et al. **Int J Color Dis** 1986 Jul;1(3):133–51

Postoperative complications in colorectal surgery in relation to preoperative clinical and nutritional state and postoperative nutritional treatment. Fasth S, et al. **Int J Color Dis** 1987 Jun;2(2):87–92

Follow-up after colorectal cancer—current practice in Wales and south west England. Foster ME, et al. **Int J Color Dis** 1987 Jun;2(2):118–9

EORTC trials in large bowel cancer. Gerard A, et al. **Int J Color Dis** 1986 Apr;1(2):116–20

The missing randomized trial of two surgical treatments for acute obstruction due to carcinoma of the left colon and rectum. An interim report. Kronborg O. **Int J Color Dis** 1986 Jul;1(3):162–6

Do synchronous adenomas influence prognosis after radical surgery for colorectal carcinoma? A prospective study. Kronborg O, et al. **Int J Color Dis** 1986 Apr;1(2):99–103

Stapled colorectal anastomoses: peroperative integrity of the anastomosis and risk of postoperative leakage. Lazorthes F, et al. **Int J Color Dis** 1986 Apr;1(2):96–8

Treatment of local recurrence after primary restorative resection or Hartmann's operation for carcinoma of the colon and the rectum. Vons C, et al. **Int J Color Dis** 1986 Oct;1(4):227–30

Results of coloanal anastomosis. A prospective study. Wunderlich M, et al. **Int J Color Dis** 1986 Jul;1(3):157–61

Management of colorectal cancer in patients with cirrhosis and a LeVeen shunt. Le Rolland B, et al. **Int Surg** 1987 Apr–Jun;72(2):93–5

Mechanical anterior resection for carcinoma of the midrectum: long-term results. Zannini G, et al. **Int Surg** 1987 Jan–Mar;72(1):18–9

Sexual and bladder dysfunctions following surgery for rectal carcinoma. Fegiz G, et al. **Ital J Surg Sci** 1986;16(2):103–9

The significance of incomplete resection and postoperative pelvic recurrence on the prognosis of rectosigmoid cancer. Good RR, et al. **J Natl Med Assoc** 1986 Sep;78(9):843–6

Local recurrence in adenocarcinoma of the rectosigmoid colon after curative surgical resection. Taylor OF, et al. **J Natl Med Assoc** 1986 Nov;78(11):1027–31

Endoscopic laser therapy for gastrointestinal disorders. Part IV: Laser therapy in neoplastic disease, continued (4). Mellow MH. **J Okla State Med Assoc** 1986 Aug; 79(8):603–7

Pre- and postoperative colonoscopy in patients with resectable colorectal cancer. Detection of associated neoplastic lesions. Mosvold J, et al. **J Oslo City Hosp** 1987 Jan;37(1):6–8

Prediction of outcome after curative resection for large bowel cancer. Fielding LP, et al. **Lancet** 1986 Oct 18; 2(8512):904–7

The use of laser in rectal surgery. Pfeffermann R, et al. **Lasers Surg Med** 1986;6(5):467–9

Abstracts of papers presented at the spring meeting of the Dutch Society for Surgical Oncology, a section of the Association of Surgeons of The Netherlands. Utrecht, 26 April 1986. **Neth J Surg** 1987 Apr;39(2):74–7

Prognosis of rectal carcinoma patients operated with a stapling device: a review of 150 cases. Yu HT, et al. **Semin Surg Oncol** 1986;2(1):50–2

Transsphincteric approach to lesions of the rectum. Thompson BW, et al. **South Med J** 1987 Jan;80(1):41–3

Influence of nutritional status on the resumption of adequate food intake in patients recovering from colorectal cancer operations. Meguid MM, et al. **Surg Clin North Am** 1986 Dec;66(6):1167–76 (30 ref.)

New upper and lower clamps for use in anterior resection of the rectum by hand suture or stapling techniques.

Thorlakson RH. **Surg Gynecol Obstet** 1986 Dec; 163(6):569–72

Intraoperative ultrasonography in screening for liver metastases from colorectal cancer: comparative accuracy with traditional procedures. Machi J, et al. **Surgery** 1987 Jun;101(6):678–84

Delayed bladder dysfunction after abdominoperineal resection: an indicator of local recurrence. Leach GE, et al. **Urology** 1987 Jan;29(1):99–101

Resection of liver metastases—when is it worthwhile? Adson MA. **World J Surg** 1987 Aug;11(4):511–20

Pattern of recurrence in liver resection for colorectal secondaries. Ekberg H, et al. **World J Surg** 1987 Aug; 11(4):541–7

Local procedures in the management of rectal cancer. Heberer G, et al. **World J Surg** 1987 Aug;11(4):499–503

Can radical surgery improve survival in colorectal cancer? Jeekel J. **World J Surg** 1987 Aug;11(4):412–7

[Elimination of the amputation cavity after extirpation of the rectum using ampoxen] Dimitrov V, et al. **Khirurgiia (Sofiia)** 1987;40(2):61–4 (Eng. Abstr.) **(Bul)**

[Creation of an artificial anus in the perineum after a radical Miles operation] Xi ZY. **Chung Hua I Hsueh Tsa Chih** 1986 Mar;66(3):181 **(Chi)**

[A new method for repairing the pelvic floor during the operation for carcinoma of the rectum] Cao QK, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Feb;25(2):98–9, 126 (Eng. Abstr.) **(Chi)**

[Early diagnosis and reoperation for local recurrence after radical operation for rectal cancer] Chai ZK, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):395–7, 445 (Eng. Abstr.) **(Chi)**

[Rubber band ligation for the treatment of polyps in the sigmoid colon and rectum] Shan ZT, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):398–9, 445 (Eng. Abstr.) **(Chi)**

[Reconstruction of the anal sphincter with a pedicled gluteus maximus muscle for carcinoma of the lower rectum and anal canal] Wang PZ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):385–6, 444 (Eng. Abstr.) **(Chi)**

[Abdominoperineal resection and anosphincteroplasty in carcinoma of the lower rectum and anal canal] Wu F, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):387–8, 444 (Eng. Abstr.) **(Chi)**

[Functional observation of the artificial anus by the colon-intussusception technic after Mile's operation] Xi ZY, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jul; 24(7):392–4, 444–5 (Eng. Abstr.) **(Chi)**

[Rational continence and its correction in borderline tumors of the middle rectum] Bureš Z, et al. **Rozhl Chir** 1987 Jan; 66(1):26–31 (Eng. Abstr.) **(Cze)**

[The anterior abdominoperineal approach in the surgical resection of malignant processes in the rectum] Michek J, et al. **Rozhl Chir** 1987 Feb;66(2):125–30 (Eng. Abstr.) **(Cze)**

[Cost-effectiveness of follow-up studies after curative surgery of colon or rectum carcinoma] de Ruiter P, et al. **Ned Tijdschr Geneeskd** 1987 Mar 21;131(12):493–6 (Eng. Abstr.) **(Dut)**

[Conservative treatment of small cancers located in the lower part of the rectum] Ferreira J, et al. **Acta Chir Belg** 1986 Nov-Dec;86(6):368–71 (Eng. Abstr.) **(Fre)**

[Importance of a loco-regional follow-up after curative operation in cancer of the rectum or sigmoid] Mosnier H, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan-Feb; 23(1):15–8 (Eng. Abstr.) **(Fre)**

[Septicemia caused by Aeromonas hydrophila] Juhel A, et al. **Cah Anesthesiol** 1987 Jan-Feb;35(1):63–4 **(Fre)**

[Cancers of the rectum: predictive factors for locoregional recurrence. Multifactorial study (letter)] Bosset JF, et al. **Gastroenterol Clin Biol** 1986 Jun-Jul;10(6–7):525–6 **(Fre)**

[Palliative laser treatment in rectosigmoid cancer] Brunetaud JM, et al. **Gastroenterol Clin Biol** 1986 Oct;10(10):649–50 **(Fre)**

[Cancer of the rectum: surgical alternatives to abdominoperineal amputation] De Calan L. **Gastroenterol Clin Biol** 1987 Jan;11(1):3–5 **(Fre)**

[Palliative treatment of adenocarcinoma of the rectum by Nd-YAG laser. Immediate and long-term results. Study of factors related to the initial destruction of the tumor] Naveau S, et al. **Gastroenterol Clin Biol** 1986 Oct; 10(10):651–5 (Eng. Abstr.) **(Fre)**

[Chemoprophylaxis of liver metastasis of colonic and rectal cancers (letter)] Mouroux J, et al. **Presse Med** 1986 Sep 13;15(29):1376 **(Fre)**

[Technical developments and results of treatment of cancer of the middle third of the rectum (1970–1982)] Lombard R, et al. **Rev Med Liege** 1987 Apr 1;42(7):271–4 **(Fre)**

[Specific problems of cancer of the rectum, upper tumors of the ampulla excluded (apropos of 60 cases)] Zaouche A, et al. **Tunis Med** 1986 Oct;64(10):819–26 (Eng. Abstr.) **(Fre)**

[Retrorectal and presacral tumors] Farthmann EH, et al. **Chirurg** 1986 Aug;57(8):496–501 **(Ger)**

[Sphincter-preserving interventions in rectal tumors. Transabdominal rectum resection] Gall FP. **Chirurg** 1986 Dec;57(12):765–72 **(Ger)**

[Use of various surgical procedures in rectal cancer] Gemsenjäger E, et al. **Chirurg** 1987 Jan;58(1):33–7 (Eng. Abstr.) **(Ger)**

[Sphincter-preserving interventions in rectal tumors. Transanal excision and anastomosis technic] Schiessel R, et al. **Chirurg** 1986 Dec;57(12):773–8 **(Ger)**

[Results of colo-anal anastomosis in deep-seated tumors of the rectum] Schiessel R, et al. **Chirurg** 1986 Dec; 57(12):792–6 (Eng. Abstr.) **(Ger)**

[Sphincter-preserving interventions in rectal tumors. The posterior approach to the rectum] Schildberg FW, et al. **Chirurg** 1986 Dec;57(12):779–91 **(Ger)**

[Crohn disease and squamous cell carcinoma of the anorectal transition] Walgenbach S, et al. **Chirurg** 1987 Apr; 58(4):248–51 (Eng. Abstr.) **(Ger)**

[Virus-induced anorectal tumors] Wienert V. **Chirurg** 1986 Aug;57(8):493–5 **(Ger)**

[Endoscopic resection of colorectal polyps] Hesterberg R, et al. **Dtsch Med Wochenschr** 1987 Feb 6;112(6):210–3 (Eng. Abstr.) **(Ger)**

[Effect of lipid emulsions on nitrogen balance within the scope of perioperative parenteral feeding regimens] Hayungs J, et al. **Infusionsther Klin Ernahr** 1987 Feb; 14(1):23–34 (Eng. Abstr.) **(Ger)**

[Surgical therapy of rectal cancer in the middle third "anterior resection"] Gall FP. **Leber Magen Darm** 1986 Sep; 16(5):325–30 **(Ger)**

[Value of CA 19-9 in tumor after-care in stomach and colorectal cancer] Safi F, et al. **Med Klin** 1986 Jan 17; 81(1):12–4 (Eng. Abstr.) **(Ger)**

[X-ray diagnosis of colorectal anastomosis following continence-preserving surgery of rectal cancer] Beck A, et al. **Radiologe** 1986 Aug;26(8):376–80 (Eng. Abstr.) **(Ger)**

[Surgical treatment of rectal cancer] Eigler FW, et al. **Radiologe** 1986 Aug;26(8):369–75 (84 ref.) (Eng. Abstr.) **(Ger)**

[Selective surgery of rectal carcinoma] Martina B, et al. **Schweiz Med Wochenschr** 1987 Jun 6;117(23):857–60 (Eng. Abstr.) **(Ger)**

[Local excision in rectal carcinoma] Gemsenjäger E. **Schweiz Rundsch Med Prax** 1987 May 12;76(20):551–7 (Eng. Abstr.) **(Ger)**

[Consequences of after-care in colorectal cancer] Wenzl E, et al. **Wien Klin Wochenschr** 1986 Dec 19;98(24):851–5 (Eng. Abstr.) **(Ger)**

[After-care of colorectal tumor patients] Gibel W, et al. **Z Arztl Fortbild (Jena)** 1987;81(11):545–7 **(Ger)**

[Cryosurgical treatment of inoperable anal and rectal cancer with a new instrument unit] Klug W, et al. **Z Arztl Fortbild (Jena)** 1986;80(15):625–9 **(Ger)**

[Cancer of the middle third of the rectum] Farthmann EH, et al. **Z Gastroenterol** 1987 Apr;25(4):233–40 (Eng. Abstr.) **(Ger)**

[Ureteral injuries in rectal surgery] Brühl P, et al. **Zentralbl Chir** 1986;111(18):1124–33 (Eng. Abstr.) **(Ger)**

[Surgical therapy of tumor-induced ileus of the large intestine] Kiene S, et al. **Zentralbl Chir** 1987;112(6):337–50 (Eng. Abstr.) **(Ger)**

[Syndrome shift following resection of a pathologic intestine and construction of an anus praeter: a comparison of ulcerative colitis, Crohn disease, rectal cancer and familial polyposis] Klussmann R, et al. **Zentralbl Chir** 1987; 112(5):273–9 (Eng. Abstr.) **(Ger)**

[Intestinal perforation with extravasation of contrast medium in paracolostomy hernia] Lange H, et al. **Zentralbl Chir** 1986;111(18):1134–6 **(Ger)**

[Palliative measures in malignant melanoma of the anorectum] Mlasowsky B, et al. **Zentralbl Chir** 1987; 112(8):513–5 **(Ger)**

[Significance of 2d look operations in colorectal cancers] Pelikán A. **Zentralbl Chir** 1986;111(18):1109–12 (Eng. Abstr.) **(Ger)**

[Significance of carcinoembryonic antigen in the treatment of colorectal cancers] Putzki H. **Zentralbl Chir** 1986; 111(18):1119–23 (Eng. Abstr.) **(Ger)**

[Surgery of stomach and large intestine cancer in the elderly] Dinstl K. **ZFA** 1987 Jan-Feb;42(1):29–32 **(Ger)**

[Treatment of malignant colorectal polyps: removal by endoscopic polypectomy] Neeman A, et al. **Harefuah** 1986 Oct;111(7–8):169–71 (Eng. Abstr.) **(Heb)**

[Colorectal carcinoma in the elderly] Werbin N, et al. **Harefuah** 1986 Nov 16;111(10):299–303 (Eng. Abstr.) **(Heb)**

[Experience with emergency colorectal surgery] Bartha I, et al. **Orv Hetil** 1986 Aug 10;127(32):1949–50, 1955–6 (Eng. Abstr.) **(Hun)**

[Long-term results of surgery of colorectal cancer. Analysis of 350 cases] Sarli L, et al. **Ann Ital Chir** 1986;58(2–4):71–83 **(Ita)**

[Trans-sphincteric approach by the Mason method in the local excision of neoplasms of the medium third of the rectum] Lolli P, et al. **Chir Ital** 1986 Dec;38(6):581–91 (Eng. Abstr.) **(Ita)**

[Validity of enlarged resections in surgery of tumors of the rectosigmoid: our experience] Destito C, et al. **Chir Patol Sper** 1984 Oct;32(5):230–7 (Eng. Abstr.) **(Ita)**

[Preservation of the hypogastric plexus in excisional interventions on the rectum for neoplasms] Angelici AM, et al. **Minerva Chir** 1987 Feb 28;42(4):261–4 (Eng. Abstr.) **(Ita)**

[Problems and controversies in the management of the perineal cavity after amputation of the rectum by the Miles abdomino-perineal method for carcinoma] Dell'Isola C, et al. **Minerva Chir** 1987 Mar 31;42(6):465–7 (Eng. Abstr.) **(Ita)**

[Critical considerations on the complications after mechanical anterior resection of cancer of the rectum] Demma I, et al. **Minerva Chir** 1987 Jun 30;42(12):1091–5 (Eng. Abstr.) **(Ita)**

[Prevention of hepatic metastasis in patients operated on for colorectal carcinoma] Padula G, et al. **Minerva Chir** 1987 Jun 30;42(12):1027–9 (Eng. Abstr.) **(Ita)**

[Instrumental follow-up of anterior mechanical resection] Renda A, et al. **Minerva Chir** 1986 Dec 31;41(23–24):2037–9 (Eng. Abstr.) **(Ita)**

[Risk factors, treatment and long-term results of local recurrence after radical surgery of carcinoma of the rectum] Schillaci A, et al. **Minerva Chir** 1986 Jul 31; 41(13–14):1187–90 (Eng. Abstr.) **(Ita)**

[Current directions in the surgical treatment of adenomatous polyposis of the colon and rectum] Fulvio S, et al. **Riv Med Aeronaut Spaz** 1984 Oct-Dec;51(4):87–94 (Eng. Abstr.) **(Ita)**

[Extended radical operation of cancer of the rectum] Kodaira S, et al. **Gan No Rinsho** 1986 Aug;32(10):1328–32 (Eng. Abstr.) **(Jpn)**

[A case of multiple colorectal cancers repeatedly resected 5 times] Miyairi T, et al. **Gan No Rinsho** 1987 Jun; 33(7):868–74 (Eng. Abstr.) **(Jpn)**

[Function-preserving operation in rectal cancer] Yasutomi M, et al. **Gan No Rinsho** 1986 Aug;32(10):1322–7 (Eng. Abstr.) **(Jpn)**

[Pelvic exenteration in advanced and or recurrent rectal cancer] Koyama Y, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan;88(1):58–62 (Eng. Abstr.) **(Jpn)**

[Neoplasm staging and possibilities of surgical treatment of cancer of the large intestine] Krasnodebski IW, et al. **Pol Tyg Lek** 1986 Nov 17;41(46):1455–60 (Eng. Abstr.) **(Pol)**

[Reoperations after surgical treatment of neoplasms of the large intestine] Mikulski B, et al. **Wiad Lek** 1987 Mar 15; 40(6):367–71 (Eng. Abstr.) **(Pol)**

[Hemangiomatosis of the cecum associated with adenocarcinoma of the rectum (letter)] Hebra A, et al. **Rev Paul Med** 1985 Nov-Dec;103(6):321–2 **(Por)**

[Metachronous multiple digestive cancers. Observations on a case] Tircoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):525–7 (Eng. Abstr.) **(Rum)**

[Therapeutic tactics in disseminated forms of genital endometriosis] Krasnopol'skii VI, et al. **Akush Ginekol (Mosk)** 1987 May;(5):53–5 (Eng. Abstr.) **(Rus)**

[Variant of revascularization of the sigmoid colon] Andrianov AV. **Khirurgiia (Mosk)** 1987 May;(5):147 **(Rus)**

[Functional results of sphincter-sparing operations in cancer of the rectum] Gardovskis IaL, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):89–94 (Eng. Abstr.) **(Rus)**

[Synchronous cancer of the rectum and appendix] Knysh VI, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):119–20 **(Rus)**

[Experience and prospects of surgical treatment of diffuse polyposis of the large intestine] Nikitin AM, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):67–71 (Eng. Abstr.) **(Rus)**

[Reoperation in cancer of the large intestine and rectum] Pelikan A. **Khirurgiia (Mosk)** 1987 May;(5):73–4 **(Rus)**

[Surgical treatment of cancer of the rectum] Petrov VP, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):86–9 (Eng. Abstr.) **(Rus)**

[Hemoccult test in dispensary monitoring of patients after surgical treatment of cancer of the large intestine] Prorokov VV, et al. **Sov Med** 1986;(11):102–4 **(Rus)**

[Prevention of suppurative complications in the presacral space after abdomino-perineal excision of the rectum] Bocharov IuV, et al. **Vestn Khir** 1986 Aug;137(8):101–2 (Eng. Abstr.) **(Rus)**

[Repeat operations in recurrent cancer of the large intestine] Knysh VI, et al. **Vestn Khir** 1987 Mar;138(3):51–5 (Eng. Abstr.) **(Rus)**

[Modification of the method of mobilizing the distal portion of the large intestine in the surgical treatment of cancer] Mel'nikov RA, et al. **Vestn Khir** 1986 Aug;137(8):131–2 **(Rus)**

[Single-stage radical operation for multiple primary synchronous cancer of the stomach and rectum] Simonov NN, et al. **Vestn Khir** 1987 Apr;138(4):55 **(Rus)**

[Treatment of melanomas of the anorectal region] Knysh VI, et al. **Vopr Onkol** 1987;33(3):74–8 (Eng. Abstr.) **(Rus)**

[Prognosis of the inflammatory complications after radical operations for cancer of the colon and rectum] Kudriashov VK, et al. **Vopr Onkol** 1987;33(4):66–9 (Eng. Abstr.) **(Rus)**

[Surgical method of preventing urination disorders in women following operations for rectal cancer] Mel'nikov RA, et al. **Vopr Onkol** 1987;33(6):81–3 (Eng. Abstr.) **(Rus)**

[Energy expenditure in patients receiving parenteral feeding in the early postoperative period after surgical interventions on the large intestine] Syzrantsev IuK, et al. **Vopr Pitan** 1986 Nov-Dec;(6):28–30 (Eng. Abstr.) **(Rus)**

[Surgical therapy of cancer of the rectosigmoid, the rectum and anus] Vujičić N, et al. **Acta Chir Iugosl** 1985; 32(2):235–9 (Eng. Abstr.) **(Ser)**

[Giant anorectal condyloma acuminatum (Buschke-Loewenstein tumor] Cerdán FJ, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):525–8 (Eng. Abstr.) **(Spa)**

[Colorectal endoscopic polypectomies performed during 1 year] Garza Trasobares E, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):201–5 (Eng. Abstr.) **(Spa)**

[Supra-radical surgery in colorectal cancer] Hebrero J, et al. **Rev Esp Enferm Apar Dig** 1986 Sep;70(3):191–9 (Eng. Abstr.) **(Spa)**

[Enteral nutrition as preparation for high-risk surgery] Ortega Bevià JM, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):345–51 (Eng. Abstr.) **(Spa)**

[Sphincter-preserving surgery in rectal cancer] Ohman U. **Lakartidningen** 1987 May 20;84(21):1861–3 **(Swe)**

THERAPY

Intraarterial chemotherapy and hyperthermia for pain control in patients with recurrent rectal cancer. Estes NC, et al. **Am J Surg** 1986 Dec;152(6):597–601

Initially unresectable rectal adenocarcinoma treated with preoperative irradiation and surgery. Mendenhall WM, et al. **Ann Surg** 1987 Jan;205(1):41–4

High-dose human lymphoblastoid interferon in metastatic colorectal cancer: clinical results and modification of biological responses. Krown SE, et al. **Cancer Treat Rep** 1987 Jan;71(1):39–45

Current issues in the treatment of colorectal cancer. Gunderson LL, et al. **CRC Crit Rev Oncol Hematol** 1986; 6(3):223–60 (155 ref.)

Local therapy of early malignant lesions in the rectum. Goldberg SM, et al. **Eur J Surg Oncol** 1987 Apr;13(2):155–7

Community practice and cancer clinical trials: II. Detection of recurrences in rectal cancer. Hall TC, et al. **Hawaii Med J** 1986 Aug;45(8):261

New approaches to management of colorectal carcinoma. Macdonald JS. **Hosp Pract [Off]** 1987 May 15;22(5):185–90, 192, 197–9 passim

Follow-up study of adjuvant chemoimmunotherapy in colorectal carcinoma after definitive surgery. Sarker SK, et al. **Indian J Cancer** 1985 Jun;22(2):113–20

Two randomised phase II trials of intermittent intravenous versus subcutaneous alpha-2 interferon alone (trial 1) and in combination with 5-fluorouracil (trial 2) in advanced colorectal cancer. Clark PI, et al. **Int J Color Dis** 1987 Feb;2(1):26–9

Response of colo-rectal hepatic metastases to concomitant radiotherapy and intravenous infusion 5 fluorouracil. Rotman M, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec; 12(12):2179–87

Perineal irradiation following combined abdominal perineal resection for rectal adenocarcinoma [letter] Toonkel LM, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):292

Postoperative adjuvant radiotherapy for adenocarcinoma of the rectum and rectosigmoid. Vigliotti A, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):999–1006

Immunotherapy of gastrointestinal cancer with monoclonal antibodies. Douillard JY, et al. **Med Oncol Tumor Pharmacother** 1986;3(3–4):141–6

Survival after postoperative combination treatment of rectal cancer [letter] Douglass HO Jr, et al. **N Engl J Med** 1986 Nov 13;315(20):1294–5

[Advances in the treatment of rectal cancers in the 80's] Zhou SG. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):434–7 (0 ref.) **(Chi)**

[Therapy of liver metastases of colorectal cancer. Review of the present status] Steffen R. **Schweiz Rundsch Med Prax** 1986 Oct 14;75(42):1258–62 (56 ref.) (Eng. Abstr.) **(Ger)**

[Inflammatory and neoplastic diseases of the large intestine] Arnold K. **Verh Dtsch Ges Inn Med** 1986;92:366–7 **(Ger)**

[Inflammatory and neoplastic diseases of the large intestine] Frühmorgen P. **Verh Dtsch Ges Inn Med** 1986;92:362–5 **(Ger)**

[Possibility of treatment of technically non-removable (locally inoperable) rectal carcinoma (letter)] Gergely M. **Orv Hetil** 1987 Jul 12;128(28):1493 **(Hun)**

[Clinical significance of the combined use of radiation therapy and hyperthermia] Matsuda T, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1508–14 (Eng. Abstr.) **(Jpn)**

[The clinical and histopathological effect of combined preoperative radiation and intratumoral injections in rectal cancer] Sarashina H, et al. **Nippon Geka Gakkai Zasshi** 1987 May;88(5):569–76 (Eng. Abstr.) **(Jpn)**

[Combined treatment of cancer of the rectum] Knysh VI, et al. **Sov Med** 1987;(2):14–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Hyperplastic polyposis of the colorectum and adenocarcinoma in a 24-year-old man. Bengoechea O, et al. **Am J Surg Pathol** 1987 Apr;11(4):323–7

Quantitative analyses of selective radiolabeled monoclonal antibody localization in metastatic lesions of colorectal cancer patients. Colcher D, et al. **Cancer Res** 1987 Feb 15;47(4):1185–9

Small cell neuroendocrine carcinoma of the colon and rectum: clinical, histologic, and ultrastructural study and immunohistochemical comparison with cloacogenic carcinoma. Wick MR, et al. **Hum Pathol** 1987 Jan; 18(1):9–21

URINE

Urinary polyamines in colorectal cancer. Thompson JS, et al. **Dis Colon Rectum** 1986 Dec;29(12):873–7

[Prognostic value of urinary levels of corticosteroids and catecholamines in patients with cancer of the transverse colon and rectum] Tarutinov VI, et al. **Vopr Onkol** 1987; 33(5):48–54 (Eng. Abstr.) **(Rus)**

VETERINARY

Rectal leiomyosarcoma in a horse. Clem MF, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):229–30

RECTAL PROLAPSE

COMPLICATIONS

"Solitary" rectal ulcer syndrome. Are "solitary" rectal ulcer syndrome and "localized" colitis cystica profunda analogous syndromes caused by rectal prolapse? Levine DS. **Gastroenterology** 1987 Jan;92(1):243–53 (139 ref.)

ETIOLOGY

The pathogenesis and pathophysiology of rectal prolapse and solitary rectal ulcer syndrome. Mackle EJ, et al. **Clin Gastroenterol** 1986 Oct;15(4):985–1002 (56 ref.)

PATHOLOGY

Endocrine cells in the human colorectal mucosa: immunocytochemical observations on patients with prolapse or internal procidentia of the rectum. Dolk A, et al. **Int J Color Dis** 1987 Jun;2(2):77–81

SURGERY

Rectal prolapse. An update on the rectal sling procedure. McMahan JD, et al. **Am Surg** 1987 Jan;53(1):37–40

Perineal progressive myonecrosis following Thiersch's operation for rectal prolapse. Rye BA, et al. **Ann Chir Gynaecol** 1987;76(2):136–7

Postanal repair and intersphincteric Ivalon sponge rectopexy for the treatment of rectal prolapse. Rogers J, et al. **Br J Surg** 1987 May;74(5):384–6

Late results of silicone rubber perianal suture for rectal prolapse. Earnshaw JJ, et al. **Dis Colon Rectum** 1987 Feb; 30(2):86–8

Results of the Ripstein operation in the treatment of rectal prolapse and internal rectal procidentia. Holmström B, et al. **Dis Colon Rectum** 1986 Dec;29(12):845–8

Internal and overt rectal procidentia. Lowry AC, et al. **Gastroenterol Clin North Am** 1987 Mar;16(1):47–70 (98 ref.)

Multiple-flap anoplasty in the treatment of rectal prolapse after pull-through operations for imperforate anus. Caouette-Laberge L, et al. **J Pediatr Surg** 1987 Jan; 22(1):65–7

Rectal prolapse in infancy: conservative versus operative treatment. Qvist N, et al. **J Pediatr Surg** 1986 Oct; 21(10):887–8

[A one-stage abdominal operation for complete prolapse of the rectum in adults] Zhang DW, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):458–60, 508 (Eng. Abstr.) **(Chi)**

[Mucous ectropion and anal prolapse. Therapeutic possibilities] Bondonny JM. **Chir Pediatr** 1986;27(5):293–5 **(Fre)**

[Rectopexy by peritoneal strips for the treatment of rectal prolapse] Deredjian A. **Chirurgie** 1986;112(9):601–3 (Eng. Abstr.) **(Fre)**

[Total rectal prolapse in children. Modified Lockhart-Mummery operation] Scheye T, et al. **Presse Med** 1987 Jan 31;16(3):123–4 (Eng. Abstr.) **(Fre)**

[Problems of pelvic infection following rectopexy using synthetics and its treatment] Wedell J, et al. **Chirurg** 1987 Jun;58(6):423–7 (Eng. Abstr.) **(Ger)**

[Orr-Loygue intervention in the treatment of complete rectal prolapse] Di Bella F, et al. **Minerva Chir** 1986 Aug 31; 41(15–16):1305–7 (Eng. Abstr.) **(Ita)**

[Use of dura matter (Lyodura) in the surgical treatment of complete rectal prolapse. A clinical contribution] Latteri M, et al. **Minerva Chir** 1986 Sep 30;41(17–18):1403–7 (Eng. Abstr.) **(Ita)**

THERAPY

[Anorectal prolapse] Engels M. **Padiatr Padol** 1987; 22(2):123–9 (Eng. Abstr.) **(Ger)**

VETERINARY

Rectal prolapse in hamsters [letter] Shaw JM, et al. **Vet Rec** 1987 Apr 11;120(15):375

RECTAL SURGERY (SPECIALTY) see **COLON AND RECTAL SURGERY (SPECIALTY)**

RECTOCOLITIS, HEMORRHAGIC see **COLITIS, ULCERATIVE**

RECTOCOLITIS, ULCERATIVE see **COLITIS, ULCERATIVE**

RECTOVAGINAL FISTULA

CONGENITAL

Complete duplication of the colon. Yucesan S, et al. **J Pediatr Surg** 1986 Nov;21(11):962–3

ETIOLOGY

The management of late radiation-induced rectal injury after treatment of carcinoma of the uterus. Allen-Mersh TG, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):521–4

[Etiology, diagnosis and the main surgical principles of treating intestino-genital fistulas] Krasnopol'skiĭ VI, et al. **Akush Ginekol (Mosk)** 1986 Sep;(9):21–3 (Eng. Abstr.) **(Rus)**

SURGERY

Low rectovaginal fistulas. Pepe F, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):61–3

Closure of severe vesico-vagino-rectal fistulas using Lehoczky's island flap. Kelemen Z, et al. **Br J Urol** 1987 Feb;59(2):153–5

Management of chronic ulcerative colitis and rectovaginal fistula by simultaneous ileal pouch construction and fistula closure. Report of a case. Harms BA, et al. **Dis Colon Rectum** 1987 Aug;30(8):611–4

Parks' coloanal sleeve anastomosis for treatment of postirradiation rectovaginal fistula. Nowacki MP, et al. **Dis Colon Rectum** 1986 Dec;29(12):817–20

Repair of fistulas in the vesicovaginorectal area by forming a urinary reservoir. Kelemen Z, et al. **Eur Urol** 1986; 12(6):398–9

[Acquired preanal fistula in children] Xu BY. **Chung Hua Wai Ko Tsa Chih** 1986 Jul;24(7):403–4, 445 (Eng. Abstr.) **(Chi)**

[Single closure of a post-irradiation rectovesicovaginal fistula] Skácel V, et al. **Rozhl Chir** 1986 Nov;65(11):753–7 (Eng. Abstr.) **(Cze)**

[Crohn disease and squamous cell carcinoma of the anorectal transition] Walgenbach S, et al. **Chirurg** 1987 Apr; 58(4):248–51 (Eng. Abstr.) **(Ger)**

[Repeated surgical lowering of the colon in necrosis] Dul'tsev IuV, et al. **Khirurgiia (Mosk)** 1987 Mar;(3):110–2 **(Rus)**

[Remote results of the surgical treatment of anorectal defects with genital fistulas in girls] Sitkovskiĭ NB, et al. **Klin Khir** 1987;(6):1–5 (Eng. Abstr.) **(Rus)**

RECTUM

Immune dysfunction in rabbits associated with chronic administration of enemas and rectal insemination. Wicher V, et al. **AIDS Res** 1986 Fall;2(4):289–98

Tailgut cyst: diagnosis with CT and sonography. Johnson AR, et al. **AJR** 1986 Dec;147(6):1309–11

Distal ureteral calculi: diagnosis by transrectal sonography. Lerner RM, et al. **AJR** 1986 Dec;147(6):1189–91

Does a Foley belong in the rectum? [letter] **Am J Nurs** 1987 Feb;87(2):175

Intravesical migration of a rectal foreign body. Kural AR, et al. **Br J Urol** 1987 Jul;60(1):79

Accuracy of rectal palpitation in the diagnosis of corpora lutea in zebu cows. Pathiraja N, et al. **Br Vet J** 1986 Sep-Oct;142(5):467–71

A simple technique for removing an impacted aerosol-can cap from the rectum. Aquino MM, et al. **Dis Colon Rectum** 1986 Oct;29(10):675

Is paradoxical contraction of puborectalis muscle of functional importance? Jones PN, et al. **Dis Colon Rectum** 1987 Sep;30(9):667–70

A complication of cleansing enema: retained protective shield of the enema tip. Zeligman BE, et al. **Gastrointest Radiol** 1986;11(4):372–4

CT-assisted assessment of bladder and rectum dose in gynecological implants. Ling CC, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1577–82

Rectal examination in volume determination of carcinoma of the prostate: clinical and anatomical correlations. Spigelman SS, et al. **J Urol** 1986 Dec;136(6):1228–30

Rectal foreign bodies [editorial] Gilder SS. **S Afr Med J** 1986 Dec 6;70(12):717

[Forensic examination for the presence of narcotics in the vagina/rectum] Geertinger P, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):317–9 (Eng. Abstr.) **(Dan)**

[Foreign bodies of the rectum] Iaremchuk AIa, et al. **Klin Khir** 1987;(2):51 **(Rus)**

ABNORMALITIES

Linkage analysis of loci controlling blood groups and the rectovaginal constriction syndrome in Jersey cattle. Larsen B, et al. **Anim Genet** 1986;17(3):277–82

Anorectal malformation: familial aspects and associated anomalies. Boocock GR, et al. **Arch Dis Child** 1987 Jun; 62(6):576–9

Anorectal agenesis. Neonatal correction by a minimal mobilization inversion proctodaeoplasty. Kiely EM, et al. **Br J Surg** 1986 Nov;73(11):933–4

MR and CT demonstration of levator sling in congenital anorectal anomalies. Mezzacappa PM, et al. **J Comput Assist Tomogr** 1987 Mar-Apr;11(2):273–5

Posterior sagittal exposure for reconstructive surgery for cloacal anomalies. Nakayama DK, et al. **J Pediatr Surg**

1987 Jul;22(7):588–92

Prune belly syndrome associated with exomphalos and anorectal agenesis. Walker J, et al. **J Pediatr Surg** 1987 Mar;22(3):215–7

[The posterior trans-sphincteric surgical approach to congenital anomalies of the anorectum] Skácel V, et al. **Rozhl Chir** 1987 Jun;66(6):390–3 (Eng. Abstr.) **(Cze)**

[Radiologic examination of anorectal malformations] Baunin C, et al. **Chir Pediatr** 1986;27(5):239–45 (Eng. Abstr.) **(Fre)**

[Functional manometric and electromyographic examination of the normal and pathologic anorectum] Berger D. **Chir Pediatr** 1986;27(5):285–92 (26 ref.) (Eng. Abstr.) **(Fre)**

[Physiopathology of incontinence following treatment of anorectal malformations. Non-surgical treatments] Moscovici J. **Chir Pediatr** 1986;27(5):309–12 (16 ref.) (Eng. Abstr.) **(Fre)**

[Definitive surgery in the neonatal period, without preliminary diversion, of high anorectal malformations. Results] Pellerin D, et al. **Chir Pediatr** 1986;27(5):274–6 **(Fre)**

[Genital tract anomalies in anorectal malformations] Sauvage P, et al. **Chir Pediatr** 1986;27(5):305–8 (Eng. Abstr.) **(Fre)**

[Anorectal malformations. Classification] Schmitt M. **Chir Pediatr** 1986;27(5):234–8 **(Fre)**

[Anorectal malformations. Multicenter study] Vaysse P, et al. **Chir Pediatr** 1986;27(5):250–73 **(Fre)**

[Surgical correction of anorectal agenesis. State of the art] Schärli AF. **Bull Soc Sci Med Grand Duche Luxemb** 1987; 124 Spec No:162–70 **(Ger)**

[Rectum and bladder duplication with malformations of the VACTERL association] Santer R, et al. **Klin Padiatr** 1987 Mar-Apr;199(2):119–21 (Eng. Abstr.) **(Ger)**

[Examination and treatment of newborn infants with anorectal developmental defects] Levin MD. **Khirurgiia (Mosk)** 1986 Aug;(8):77–81 (Eng. Abstr.) **(Rus)**

[Remote results of the surgical treatment of anorectal defects with genital fistulas in girls] Sitkovskii NB, et al. **Klin Khir** 1987;(6):1–5 (Eng. Abstr.) **(Rus)**

[Electromyographic diagnosis of the function of the external rectal sphincter in infants with anorectal defects during the neonatal period] Vorontsov IuP, et al. **Pediatriia** 1986 Oct;(10):30–3 **(Rus)**

[Features of the clinical manifestations of anorectal developmental anomalies in adults] Salamov KN. **Sov Med** 1987;(6):76–80 **(Rus)**

ANALYSIS

[Amylose in hemodialysed patients. Research of a systemic distribution by rectal biopsy (letter)] Hardouin P, et al. **Presse Med** 1987 Mar 14;16(9):445–6 **(Fre)**

ANATOMY & HISTOLOGY

The riddle of the sphincters. The morphophysiology of the anorectal mechanism reviewed [published erratum appears in Am Surg 1987 Jul;53(7):398] Dalley AF 2d. **Am Surg** 1987 May;53(5):298–306 (45 ref.)

The endosonic appearances of normal colon and rectum. Beynon J, et al. **Dis Colon Rectum** 1986 Dec;29(12):810–3

Sex differences in anorectal angle and perineal descent. Skomorowska E, et al. **Gastrointest Radiol** 1987;12(4):353–5

Transrectal ultrasonography: interpretation of normal intestinal wall structure for the preoperative staging of rectal cancer [published erratum appears in Scan J Gastroenterol 1986 Nov;21(9):preceding 1025] Boscaini M, et al. **Scand J Gastroenterol [Suppl]** 1986;123:87–98

BLOOD SUPPLY

Control of massive hemorrhage from rectal varices with sclerotherapy. Weiserbs DB, et al. **Gastrointest Endosc** 1986 Dec;32(6):419–21

Endothelial cells in the rectal venous plexus. An electron microscopic study. Kojimahara M, et al. **J Submicrosc Cytol** 1986 Oct;18(4):807–14

Morphology of the middle rectal arteries. A study of 30 cadaveric dissections. DiDio LJ, et al. **Surg Radiol Anat** 1986;8(4):229–36

[Ischemic colitis of the rectum] Becker V. **Fortschr Med** 1986 Sep 18;104(35):657–8 (Eng. Abstr.) **(Ger)**

[Vascular supply of the rectum in anal atresia. Angiography studies in newborn swine] Lambrecht W, et al. **Z Kinderchir** 1986 Dec;41(6):340–3 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Prolonged administration of bile salts for gallstone dissolution and its effect on rectal epithelial cell proliferation. Deschner EE, et al. **Dig Dis Sci** 1987 Sep;32(9):991–6

Somatostatin effect on rectal muscle in human healthy volunteers. Lerebours E, et al. **Digestion** 1987;36(1):42–6

[Solitary lesions of the rectum caused by suppositories combining acetylsalicylic acid and paracetamol] Lanthier P, et al. **Gastroenterol Clin Biol** 1987 Mar;11(3):250–3 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Assessment of ornithine decarboxylase activity in rectal mucosa as a marker for colorectal adenomas and carcinomas. Moorehead RJ, et al. **Br J Surg** 1987 May; 74(5):364–5

Acetylcholinesterase activity in rectal biopsies: an assessment of its diagnostic value in Hirschsprung's disease. Wells FE, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov-Dec; 5(6):912–9

[Diagnostic value of cholinesterase activity in superficial biopsies of the rectum] Causse E, et al. **Chir Pediatr** 1986; 27(4):209–11 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunoglobulin A: localization in rectal mucosal epithelial cells. Gelzayd EA, et al. **Science** 1967 Aug 25; 157(3791):930–1

[Immunohistochemical study on IgG 4 positive cells in rectal mucosa of ulcerative colitis] Senjuh M. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan;84(1):126 **(Jpn)**

[Possibility of eliminating the nonspecific effect of the rectal contents on serum reagents] Breskun NB, et al. **Sud Med Ekspert** 1987 Jan-Mar;30(1):35–6 (Eng. Abstr.) **(Rus)**

INJURIES

Rectal impaction following enema with concrete mix. Stephens PJ, et al. **Am J Forensic Med Pathol** 1987 Jun; 8(2):179–82

Diagnostic and therapeutic aspects of rectal trauma. Blunt versus penetrating. Brunner RG, et al. **Am Surg** 1987 Apr; 53(4):215–9

Acid burns of the rectum and colon. Report of a case. Nallathambi MN, et al. **Dis Colon Rectum** 1987 Jun; 30(6):469–71

Rectal trauma. Abcarian H. **Gastroenterol Clin North Am** 1987 Mar;16(1):115–23 (28 ref.)

Traumatic lesions of the rectum. Marti MC, et al. **Int J Color Dis** 1986 Jul;1(3):152–4

Combined perforation of the rectum and urinary bladder secondary to autoanal stimulation: report of a case. Tucker MS, et al. **J Am Osteopath Assoc** 1987 Jan;87(1):79–81

Shattered rectum—a simple method of repair. Saleemi MS, et al. **JPMA** 1987 Apr;37(4):108–11

[Diagnostic and therapeutic procedures in traumatic injuries to the large intestine, rectum and anus in childhood] Ivanchev I, et al. **Khirurgiia (Sofiia)** 1987;40(3):52–5 (Eng. Abstr.) **(Bul)**

[Casuistic ruptures of the rectosigmoid with small intestine evisceration through the anus] Mikhallov M, et al. **Khirurgiia (Sofiia)** 1986;39(4):62 **(Bul)**

[Traumatic lesions of the rectum)] di Natale I. **Chir Ital** 1986 Dec;38(6):642–6 (Eng. Abstr.) **(Ita)**

[Rupture of the rectum with retroperitoneal fibrosis caused by barium] Corbetti F, et al. **Radiol Med (Torino)** 1987 Jun;73(6):592–4 **(Ita)**

[Diagnosis and treatment of injuries of the rectum] Sakhautdinov VG, et al. **Khirurgiia (Mosk)** 1987 Mar; (3):21–4 (Eng. Abstr.) **(Rus)**

[Combined gunshot wounds of the abdominal and small pelvis organs] Zatonskikh BIa, et al. **Khirurgiia (Mosk)** 1987 Jun; (6):126–7 **(Rus)**

[Thermal burn of the rectum] Kameristyĭ GA. **Klin Khir** 1987; (2):51–2 **(Rus)**

INNERVATION

Nerve pathways involved in adrenergic regulation of electrical and mechanical activities in the chicken rectum. Komori S, et al. **Br J Pharmacol** 1987 Jan;90(1):121–9

Location of the reflex centre for straining elicited by activation of pelvic afferent fibres of decerebrate dogs. Fukuda H, et al. **Brain Res** 1986 Aug 20;380(2):287–96

Anorectal continence and bladder function. Effects of major sacral resection. Andreoli F, et al. **Dis Colon Rectum** 1986 Oct;29(10):647–52

The relationship between perineal descent and denervation of the puborectalis in continent patients. Bartolo DC, et al. **Int J Color Dis** 1986 Apr;1(2):91–5

Diagnosis of juvenile-adult form of neuroaxonal dystrophy by electron microscopy of rectum and skin biopsy [letter] Schwendemann G, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):818–21

Characterization of neuronal responses to noxious visceral and somatic stimuli in the medial lumbosacral spinal cord of the rat. Ness TJ, et al. **J Neurophysiol** 1987 Jun; 57(6):1867–92

METABOLISM

Sialomucins at resection margin and likelihood of recurrence in colorectal carcinoma. Habib NA, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):521–3

Effect of Pluronic gels on the rectal absorption of indomethacin in rabbits. Miyazaki S, et al. **Chem Pharm Bull (Tokyo)** 1987 Mar;35(3):1243–8

The synergistic effects of concurrent administration to rats of EDTA and sodium salicylate on the rectal absorption of sodium cefoxitin and the effects of inhibitors. Nishihata T, et al. **J Pharm Pharmacol** 1987 Mar;39(3):180–4

Possible mechanisms for the enhancement of rectal absorption of hydrophilic drugs and polypeptides by aqueous polyacrylic acid gel. Morimoto K, et al. **J Pharmacobiodyn** 1987 Feb;10(2):85–91

Pharmaceutical evaluation of hollow type suppositories. V. Preparation of valproic acid suppository and rectal absorption of valproic acid in rabbits. Watanabe Y, et al. **J Pharmacobiodyn** 1986 Dec;9(12):953–61

Net ion fluxes and zero flux limiting concentrations in rat upper colon and rectum during anaesthesia-induced aldosterone liberation. Fromm M, et al. **Pflugers Arch** 1987 Feb;408(2):185–93

Influence of salicylate and anaesthesia on the rectal absorption of theophylline in rats. Van Hoogdalem EJ, et al. **Pharm Weekbl [Sci]** 1986 Dec 12;8(6):281–5

[The effect of rectal pH values on the absorption of methohexital] Jantzen JP, et al. **Anaesthesist** 1986 Aug; 35(8):496–9 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Rectal transmission of bovine leukemia virus in cattle and sheep. Henry ET, et al. **Am J Vet Res** 1987 Apr;48(4):634–6

Evaluation of culture methods for isolation of group B streptococci. Persson KM, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):175–7

Increased recovery of enteric pathogens by use of both stool and rectal swab specimens. Adkins HJ, et al. **J Clin Microbiol** 1987 Jan;25(1):158–9

Changing gloves between vaginal and rectal examination: reinstitution of old practices for new diseases [letter] Wilbanks GD. **JAMA** 1986 Oct 10;256(14):1893

Chlamydia detection in extragenital specimens [letter] Mumtaz G, et al. **Lancet** 1986 Nov 15;2(8516):1156

Influence of rectal infections caused by Candida albicans on the therapeutic results obtained in vaginal candidosis. Lambotte R, et al. **Mykosen [Suppl]** 1978;1:311–3

[Chlamydia trachomatis in feces and the rectum] Worm AM, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):908–9 (Eng. Abstr.) **(Dan)**

[Colonization of pregnant women by group B streptococci in Trieste] Campello C, et al. **Minerva Ginecol** 1987 Jun; 39(6):405–10 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Ringlike rectal ulcers after biopsy or polypectomy. Lev-Toaff AS, et al. **AJR** 1987 Feb;148(2):285–6

Histologic diagnosis of Hirschsprung's disease. The value of concurrent hematoxylin and eosin and cholinesterase staining of rectal biopsies. Challa VR, et al. **Am J Clin Pathol** 1987 Sep;88(3):324–8

The histopathology of rectosigmoid biopsies from adults with bloody diarrhea due to verotoxin-producing Escherichia coli. Kelly JK, et al. **Am J Clin Pathol** 1987 Jul;88(1):78–82

Pre-operative assessment of local invasion in rectal cancer: digital examination, endoluminal sonography or computed tomography? Beynon J, et al. **Br J Surg** 1986 Dec; 73(12):1015–7

New general purpose rectal biopsy forceps. Dignan FJ, et al. **Br J Surg** 1987 Jan;74(1):66

Necrosis of the rectum complicating abdominal aortic reconstructions in previously irradiated patients. Harling H, et al. **Br J Surg** 1986 Sep;73(9):711

Changes in rectal leucocytes after allogeneic bone marrow transplantation. Dilly SA, et al. **Clin Exp Immunol** 1987 Jan;67(1):151–8

Visceral myopathy of the colon mimicking Hirschsprung's disease. Diagnosis by deep rectal biopsy. Leon SH, et al. **Dig Dis Sci** 1986 Dec;31(12):1381–6

Significance of eosinophil and mast cell counts in rectal mucosa in ulcerative colitis. A prospective controlled study. Sarin SK, et al. **Dig Dis Sci** 1987 Apr;32(4):363–7

Severe complication of rubber band ligation of internal hemorrhoids. Shemesh EI, et al. **Dis Colon Rectum** 1987 Mar;30(3):199–200

Ulcerative colitis with relative sparing of the rectum. Clinical features, histology, and prognosis. Spiliadis CA, et al. **Dis Colon Rectum** 1987 May;30(5):334–6

Neuronal dysplasia and chronic intestinal pseudoobstruction: rectal biopsy as a possible aid to diagnosis. Achem SR, et al. **Gastroenterology** 1987 Mar;92(3):805–9

Histopathology differentiates acute self-limited colitis from ulcerative colitis. Nostrant TT, et al. **Gastroenterology** 1987 Feb;92(2):318–28

Diagnosing colitis. Biopsy is best [editorial] Surawicz CM. **Gastroenterology** 1987 Feb;92(2):538–40

Depth of colorectal biopsies with proctoscopic forceps. Wytock DH, et al. **Gastrointest Endosc** 1987 Feb;33(1):15–7

MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis. Gomberg JS, et al. **Gastrointest Radiol** 1986;11(4):361–3

Endocrine cells in the human colorectal mucosa: immunocytochemical observations on patients with prolapse or internal procidentia of the rectum. Dolk A, et al. **Int J Color Dis** 1987 Jun;2(2):77–81

The differential diagnosis of idiopathic inflammatory disease by colorectal biopsy. Hamilton SR. **Int J Color Dis** 1987 Jun;2(2):113–7

Evolution with age of the acetylcholinesterase activity in rectal suction biopsy in Hirschsprung's disease. de Brito IA, et al. **J Pediatr Surg** 1987 May;22(5):425–30

Elastic fibers in musculature of rectosigmoid colon: normal findings in children and changes in Hirschsprung's disease—a preliminary report. Vaos GC, et al. **J Pediatr Surg** 1987 Mar;22(3):252–6

Association between anorectal dysplasia, human

papillomavirus, and human immunodeficiency virus infection in homosexual men. Frazer IH, et al. **Lancet** 1986 Sep 20;2(8508):657–60

[Evaluation of intrarectal ultrasonography for assessment of invasion of rectal cancer] Yamashita Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):868–77 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Flap-valve theory of anorectal continence. Bartolo DC, et al. **Br J Surg** 1986 Dec;73(12):1012–4

Postural change and straining induced by distension of the rectum, vagina and urinary bladder of decerebrate dogs. Fukuda H, et al. **Brain Res** 1986 Aug 20;380(2):276–86

Influence of age and sex on anal sphincters: manometric evaluation of anorectal continence. Poos RJ, et al. **Eur Surg Res** 1986;18(6):343–8

The anorectum. Anatomic and physiologic considerations in health and disease. Gordon PH. **Gastroenterol Clin North Am** 1987 Mar;16(1):1–15

Effect of aging on anorectal function. Bannister JJ, et al. **Gut** 1987 Mar;28(3):353–7

[Study of intestinal transit time using radiopaque markers: a simple current method] Brogna A, et al. **G Clin Med** 1987 Jan;68(1):13–5 (Eng. Abstr.) **(Ita)**

[Evaluation of electromanometric tracings of the large intestine. I. Methods and results in normal subjects] Pezcoller C, et al. **Minerva Dietol Gastroenterol** 1986 Oct–Dec;32(4):341–8 (Eng. Abstr.) **(Ita)**

[Development of the rectal reflex test method by electric stimulation under endoscopy] Kunie K, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1589 **(Jpn)**

PHYSIOPATHOLOGY

Anorectal physiology and pathophysiology. Whitehead WE, et al. **Am J Gastroenterol** 1987 Jun;82(6):487–97 (69 ref.)

Physiological study of pruritus ani. Allan A, et al. **Br J Surg** 1987 Jul;74(7):576–9

Anorectal temperature sensation: a comparison of normal and incontinent patients. Miller R, et al. **Br J Surg** 1987 Jun; 74(6):511–5

Does rectal mucosa regenerate after ileoanal anastomosis? O'Connell PR, et al. **Dis Colon Rectum** 1987 Jan;30(1):1–5

Anorectal function in the solitary rectal ulcer syndrome. Womack NR, et al. **Dis Colon Rectum** 1987 May; 30(5):319–23

Delayed rectal sensation with fecal incontinence. Successful treatment using anorectal manometry. Buser WD, et al. **Gastroenterology** 1986 Nov;91(5):1186–91

Patients with irritable bowel syndrome have greater pain tolerance than normal subjects. Cook IJ, et al. **Gastroenterology** 1987 Oct;93(4):727–33

Physiological studies in young women with chronic constipation. Bannister JJ, et al. **Int J Color Dis** 1986 Jul; 1(3):175–82

"Rectal dissatisfaction" in the irritable bowel syndrome. A manometric and radiological study. Oettlé GJ, et al. **Int J Color Dis** 1986 Jul;1(3):183–5

[Comparative value of anorectal manometry and electrocardiography in the diagnosis of diabetic autonomic neuropathy] Lejeune D, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep;10(8–9):554–7 (Eng. Abstr.) **(Fre)**

[Which provocation test is to be used in the measurement of rectal potential difference? (letter)] Pienkowski P, et al. **Gastroenterol Clin Biol** 1986 Dec;10(12):861–2 **(Fre)**

[Anal sphincter function and recto–anal continence] Kuhlbusch R, et al. **Leber Magen Darm** 1987 Jul; 17(3):143–9 (Eng. Abstr.) **(Ger)**

[Value of rectal sensitivity test in chronic childhood constipation] Campobasso P, et al. **Pediatr Med Chir** 1986 Sep–Oct;8(5):643–6 (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

Surgical treatment of radiation injury to the rectosigmoid. Harling H, et al. **Acta Chir Scand** 1986 Nov;152:691–3

Late results of mucosal proctectomy and colo–anal sleeve anastomosis for chronic irradiation rectal injury. Browning GG, et al. **Br J Surg** 1987 Jan;74(1):31–4

Chronic radiation damage in the rectum of the rat after protracted fractionated irradiation. Breiter N, et al. **Radiother Oncol** 1986 Oct;7(2):155–63

Prevention of acute radiation damage in the rat rectum by protracted fractionated irradiation. Dewit L. **Radiother Oncol** 1987 Apr;8(4):369–71

Early and late damage in the mouse rectum after irradiation and cis–diamminedichloroplatinum(II). Dewit L, et al. **Radiother Oncol** 1987 Jan;8(1):57–69

Rectum obstruction in rats after local irradiation. Kal HB, et al. **Strahlenther Onkol** 1986 Dec;162(12):772–4

The management of late radiation–induced rectal injury after treatment of carcinoma of the uterus. Allen–Mersh TG, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):521–4

[Prognostication of late radiation injuries of the bladder and rectum in patients with cancer of the cervix uteri] Zharinov GM. **Med Radiol (Mosk)** 1986 Dec;31(12):70–2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiologic impact on operative access to a retrorectal cyst. Burchell MC. **Dis Colon Rectum** 1987 May;30(5):396–7

Width of the presacral space in Nigerian adults. Akamaguna AI, et al. **Gastrointest Radiol** 1986;11(4):370–1

Computed tomography in the differential diagnosis of the enlarged retrorectal space. Krestin GP, et al. **Gastrointest Radiol** 1986;11(4):364–9

Efficacy of postevacuation view after double–contrast barium enema. Smith C, et al. **Gastrointest Radiol** 1987; 12(3):268–70

CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma. Parienty RA, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):92–5

SECRETION

Enhanced rectal potassium secretion in chronic renal insufficiency: evidence for large intestinal potassium adaptation in man. Sandle GI, et al. **Clin Sci** 1986 Oct; 71(4):393–401

SURGERY

Slowing of the heart during hypotension in major abdominal surgery. Rørsgaard S, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):507–10

One hundred elective resections of the left colon and rectum with unprotected manual anastomosis. Vandamme JP, et al. **Acta Chir Belg** 1986 Sep–Oct;86(5):255–8

Ambulatory procedures in anorectal surgery. Stern H, et al. **Adv Surg** 1987;20:217–43 (40 ref.)

Investigations of the anal sphincter before and after restorative proctocolectomy. Sharp FR, et al. **Am J Surg** 1987 May;153(5):469–72

Mucosal proctectomy and ileoanal pull–through technique and functional results in 23 consecutive patients. Bodzin JH, et al. **Am Surg** 1987 Jul;53(7):363–7

Polyethylene glycol electrolyte lavage solution (PEG–ELS). A rapid, safe mechanical bowel preparation for colorectal surgery. Bowden TA Jr, et al. **Am Surg** 1987 Jan;53(1):34–6

Anatomy of the pelvic floor for translevatoric–transsphincteric operations. Huber A, et al. **Am Surg** 1987 May;53(5):247–53

A comparison between netilmicin with metronidazole and doxycycline as prophylaxis in elective colorectal surgery. Brolin J, et al. **Ann Chir Gynaecol** 1986;75(4):219–24

Specific technical note concerning the preparation of distal rectal anastomoses. Allegra G, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov;22(6):299–303 **(Eng, Fre)**

Colonization resistance and preoperative preparation of patients for colorectal surgery. Van den Bogaard AE, et al. **Ann Ist Super Sanita** 1986;22(3):911–4

Outcome of colectomy and ileorectal anastomosis in Crohn's disease. Cooper JC, et al. **Ann R Coll Surg Engl** 1986 Sep; 68(5):279–82

Postoperative colonic decompression: eight years' experience of a new technique. Rickett JW, et al. **Ann R Coll Surg Engl** 1986 Jul;68(4):211–3

Experience with mucosal proctectomy and a J–shaped ileal reservoir in ulcerative colitis. Taylor TV. **Ann R Coll Surg Engl** 1987 Jan;69(1):12–5

Single–dose chemoprophylaxis in elective colorectal surgery. A comparison between doxycycline plus metronidazole and doxycycline. Bergman L, et al. **Ann Surg** 1987 Jan; 205(1):77–81

Sexual function in women after proctocolectomy. Metcalf AM, et al. **Ann Surg** 1986 Dec;204(6):624–7

Anterior resection using the circular stapling instrument: a Singapore experience. Ti TK, et al. **Aust NZ J Surg** 1986 Dec;56(12):919–22

Pelvic complications after excision of the rectum. Avill R, et al. **Br J Clin Pract** 1986 May;40(5):217–8

Selective cefuroxime prophylaxis following colorectal surgery based on intra–operative dipslide culture. Claesson BE, et al. **Br J Surg** 1986 Dec;73(12):953–7

Mechanical bowel preparation for colonic resection and anastomosis. Irving AD, et al. **Br J Surg** 1987 Jul; 74(7):580–1

Bowel preparation for colorectal surgery [editorial] Johnston D. **Br J Surg** 1987 Jul;74(7):553–4

Restorative proctocolectomy: the four loop (W) reservoir. Nicholls RJ, et al. **Br J Surg** 1987 Jul;74(7):564–6

Mathematical prediction of ileal pouch capacity. Thomson WH, et al. **Br J Surg** 1987 Jul;74(7):567–8

Anorectal myectomy for outlet obstruction. Yoshioka K, et al. **Br J Surg** 1987 May;74(5):373–6

Ticarcillin/clavulanic acid (Timentin) compared to metronidazole/netilmicin in preventing postoperative infection after elective colorectal surgery. Blair JE, et al. **Can J Surg** 1987 Mar;30(2):120–2

Closure of postproctectomy perineal sinus with gracilis muscle flaps. Pezim ME, et al. **Can J Surg** 1987 May; 30(3):212–4

Surgical prophylaxis against large bowel tumors in an animal model. Donegan WL, et al. **Cancer Detect Prev** 1987; 10(5–6):321–6

Classic articles in colonic and rectal surgery. Richard von Volkmann 1830–1889. Concerning rectal cancer and the removal of the rectum. **Dis Colon Rectum** 1986 Oct; 29(10):679–85

Urecholine prophylaxis for urinary retention in anorectal surgery. Bowers FJ, et al. **Dis Colon Rectum** 1987 Jan; 30(1):41–2

Preparation for elective colorectal surgery. A randomized, blinded comparison between oral colonic lavage and whole–gut irrigation. Dueholm S, et al. **Dis Colon Rectum** 1987 May;30(5):360–4

Perforated diverticulitis in a Hartmann rectal pouch. Fowler C, et al. **Dis Colon Rectum** 1986 Oct;29(10):662–4

Initial clinical experience with a biofragmentable ring for sutureless bowel anastomosis. Hardy TG Jr, et al. **Dis Colon Rectum** 1987 Jan;30(1):55–61

Single or multiple doses of metronidazole and ampicillin in elective colorectal surgery. A randomized trial. Juul P, et al. **Dis Colon Rectum** 1987 Jul;30(7):526–8

Abdominal mucosectomy reduces the incidence of soiling and sphincter damage after restorative proctocolectomy and J–pouch. Keighley MR. **Dis Colon Rectum** 1987 May; 30(5):386–90

The Bacon pull–through procedure. Khubchandani IT, et al. **Dis Colon Rectum** 1987 Jul;30(7):540–4

Effect of total colectomy and mucosal proctectomy on intestinal absorptive capacity in dogs. Mibu R, et al. **Dis Colon Rectum** 1987 Jan;30(1):47–51

Parks' coloanal sleeve anastomosis for treatment of postirradiation rectovaginal fistula. Nowacki MP, et al. **Dis Colon Rectum** 1986 Dec;29(12):817–20

Perforation of terminal ileal appendage of J–pelvic ileal reservoir. Pezim ME, et al. **Dis Colon Rectum** 1987 Mar; 30(3):161–3

Peroperative lavage of the obstructed left colon to allow safe primary anastomosis. Pollock AV, et al. **Dis Colon Rectum** 1987 Mar;30(3):171–3

Influence of alcohol on morbidity after colonic surgery. Tønnesen H, et al. **Dis Colon Rectum** 1987 Jul;30(7):549–51

5–Aminosalicylic acid in patients with an ileo–rectal anastomosis. A comparison of the fate of sulfasalazine and Pentasa. Bondesen S, et al. **Eur J Clin Pharmacol** 1986; 31(1):23–6

Clinical studies of 4 methods of bowel preparation in colorectal surgery. Debo Adeyemi S, et al. **Eur Surg Res** 1986;18(5):331–6

The surgery of idiopathic constipation. Beck DE, et al. **Gastroenterol Clin North Am** 1987 Mar;16(1):143–56 (32 ref.)

Internal and overt rectal procidentia. Lowry AC, et al. **Gastroenterol Clin North Am** 1987 Mar;16(1):47–70 (98 ref.)

Incidence of fecal incontinence after coloproctostomy below five centimeters in the rectum. Wheeless CR Jr. **Gynecol Oncol** 1987 Jul;27(3):373–81

Restorative proctocolectomy with ileal reservoir. Dozois RR, et al. **Int J Color Dis** 1986 Jan;1(1):2–19

Restoration of intestinal continuity (pelvic pouch) after previous proctocolectomy with distal mucosal proctectomy. Fasth S, et al. **Int J Color Dis** 1986 Oct; 1(4):256–8

Peroperative rectal washout using the irrigating proctoscope. Goodson G. **Int J Color Dis** 1987 Feb;2(1):30–1

Perimuscular dissection of the rectum. Lee EC, et al. **Int J Color Dis** 1986 Jul;1(3):193–5

An assessment of inflammation in the reservoir after restorative proctocolectomy with ileoanal ileal reservoir. Moskowitz RL, et al. **Int J Color Dis** 1986 Jul;1(3):167–74

Role of ileorectal anastomosis in the treatment of ulcerative colitis and familial polyposis. Romano G, et al. **Ital J Surg Sci** 1987;17(2):135–40

Imipenem pharmacokinetics in elective colorectal surgery. Gartell PC, et al. **J Antimicrob Chemother** 1986 Dec;18 Suppl E:109–13

Posterior sagittal anoplasty combined with ventricular peritoneal shunting: an unusual complication. Bondurant FJ, et al. **J Pediatr Surg** 1986 Nov;21(11):969–70

Complications of posterior sagittal anorectoplasty [letter] Porras–Ramírez G. **J Pediatr Surg** 1987 May;22(5):478

Anterior perineal anorectoplasty for intermediate and high imperforate anus. Ando S, et al. **Jpn J Surg** 1987 May; 17(3):213–6

Acute renal failure following colorectal surgery [letter] Baldrati L, et al. **Nephron** 1987;47(1):73

Ceftriaxone and metronidazole as single–dose prophylaxis in colorectal surgery. Burdon DW, et al. **S Afr Med J** 1987 Jun 20;Suppl 2:15–8

Surgical treatment of Hirschsprung's disease in adults. Fishbein RH, et al. **Surg Gynecol Obstet** 1986 Nov; 163(5):458–64

Identification of the rectal pouch of Hartmann. Gervin AS, et al. **Surg Gynecol Obstet** 1987 Feb;164(2):176–8

Management of presacral bleeding during rectal resection. Khan FA, et al. **Surg Gynecol Obstet** 1987 Sep;165(3):274–6

A modified technique for perineal colorectal, coloanal or ileoanal anastomosis with the EEA stapler. Ravo B, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):82–4

Colectomy with ileorectal anastomosis for familial adenomatous polyposis: the risk of rectal cancer. Sarre RG, et al. **Surgery** 1987 Jan;101(1):20–6

Prophylactic regimens in colorectal surgery: an open, randomized, consecutive trial on metronidazole used alone or in combination with ampicillin or doxycycline. Roland M. **World J Surg** 1986 Dec;10(6):1003–8

Identification and antibiotic prophylaxis of high–risk patients in elective colorectal surgery. Törnqvist A, et al. **World J Surg** 1987 Feb;11(1):115–9

Acquired hypoganglionosis after soave endorectal pull–through procedure—a case report. Dajani OM, et al. **Z Kinderchir** 1986 Aug;41(4):248–9

[Endorectal anastomosis syndrome] Apostolov A.

Khirurgiia (Sofiia) 1987;40(3):55–9 (Eng. Abstr.) **(Bul)**
[Elimination of the amputation cavity after extirpation of the rectum using ampoxen] Dimitrov V, et al.
Khirurgiia (Sofiia) 1987;40(2):61–4 (Eng. Abstr.) **(Bul)**
[Rational continence and its correction in borderline tumors of the middle rectum] Bureš Z, et al. **Rozhl Chir** 1987 Jan; 66(1):26–31 (Eng. Abstr.) **(Cze)**
[A new method of preparing the large intestine before planned surgery and the results of clinical practice] Hrbek M, et al. **Rozhl Chir** 1987 Feb;66(2):135–9 (Eng. Abstr.) **(Cze)**
[Extra-sphincteric surgical approach from the posterior perineum to the organs of the lesser pelvis] Skácel V, et al. **Rozhl Chir** 1987 Jun;66(6):385–9 (Eng. Abstr.) **(Cze)**
[Analysis of 66 cases of Baker's colorectal laterotermínal anastomosis (letter)] Detry R. **Acta Chir Belg** 1986 Nov–Dec;86(6):376 **(Fre)**
[Analysis of 66 cases of colorectal side-to-end anastomosis by the Baker method] Limbosch JM, et al.
Acta Chir Belg 1986 Jul–Aug;86(4):216–21 (Eng. Abstr.) **(Fre)**
[Anorectal malformations. Rectal lowering by sacro-perineal approach. Stephens' technic] Bachy B, et al.
Chir Pediatr 1986;27(5):282–4 **(Fre)**
[New surgical technic in megarectum] Hata Y, et al.
Chir Pediatr 1986;27(4):205–8 (Eng. Abstr.) **(Fre)**
[Technical modification facilitating low colorectal anastomosis by mechanical suturing] Adloff M, et al.
Chirurgie 1987;113(2):212–5 (Eng. Abstr.) **(Fre)**
[Technical modification facilitating low colorectal anastomosis by mechanical suturing] Pélissier E, et al.
Chirurgie 1987;113(2):216–7 **(Fre)**
[Cancer of the rectum: surgical alternatives to abdominoperineal amputation] De Calan L.
Gastroenterol Clin Biol 1987 Jan;11(1):3–5 **(Fre)**
[Role of protective colostomy in colorectal surgery. Apropos of 68 cases] Becmeur F, et al. **J Chir (Paris)** 1987 Feb; 124(2):93–8 (Eng. Abstr.) **(Fre)**
[Mechanical circular colorectal anastomosis using a transanal approach. Apropos of a series of 51 cases] Testas P, et al. **J Chir (Paris)** 1987 Apr;124(4):241–5 (Eng. Abstr.) **(Fre)**
[Technical modification facilitating low colorectal anastomosis by mechanical suture] Adloff M, et al.
Presse Med 1987 May 30;16(20):999–1001 (Eng. Abstr.) **(Fre)**
[Short-term antibiotic prophylaxis in colorectal surgery: cefoxitin versus piperacillin. A double-blind randomized study, 60 cases] Armengaud F, et al. **Presse Med** 1986 Dec 20;15(46):2351–2 (Eng. Abstr.) **(Fre)**
[Nutrition physiologic studies of swine with ileorectal anastomoses. 1. Surgical method, biochemical and morphologic findings] Hennig U, et al. **Arch Tierernahr** 1986 Jul;36(7):585–96 (Eng. Abstr.) **(Ger)**
[Results of colo-anal anastomosis in deep-seated tumors of the rectum] Schiessel R, et al. **Chirurg** 1986 Dec; 57(12):792–6 (Eng. Abstr.) **(Ger)**
[X-ray diagnosis of colorectal anastomosis following continence-preserving surgery of rectal cancer] Beck A, et al. **Radiologe** 1986 Aug;26(8):376–80 (Eng. Abstr.) **(Ger)**
[Surgical treatment of rectal cancer] Eigler FW, et al.
Radiologe 1986 Aug;26(8):369–75 (84 ref.) (Eng. Abstr.) **(Ger)**
[Primary closure of the residual cavity after abdominoperineal amputation of the rectum] Colecchia G, et al. **Minerva Chir** 1987 Mar 15;42(5):365–7 (Eng. Abstr.) **(Ita)**
[Surgical treatment of inveterate iatrogenic lesions of the rectum and the anal sphincter] Della Beffa V, et al.
Minerva Chir 1986 Jul 31;41(13–14):1115–8 (Eng. Abstr.) **(Ita)**
[The efficacy of temporary retention chemotherapy of the treatment of polyps in the remnant rectum of familial polyposis after total colectomy and ileorectostomy—a case report] Koyama S, et al. **Gan To Kagaku Ryoho** 1987 Apr; 14(4):1111–5 (Eng. Abstr.) **(Jpn)**
[Chronic rectal fistula after rectal amputation. Treatment with transposition of the gracilis muscle] Gravem PE, et al. **Tidsskr Nor Laegeforen** 1986 Dec 10;106(34–36):2990–2 (Eng. Abstr.) **(Nor)**
[Prolonged sacral anesthesia with morphine in proctology] Kharaberiush VA, et al. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):4–6 (Eng. Abstr.) **(Rus)**
[Treatment of complicated rectal fistula] Eryshov VV.
Khirurgiia (Mosk) 1987 Mar;(3):69–71 (Eng. Abstr.) **(Rus)**
[Problems of rehabilitative and reconstructive surgery in colo-proctology] Fedorov VD, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):127–32 (Eng. Abstr.) **(Rus)**
[Functional results of sphincter-sparing operations in cancer of the rectum] Gardovskis IaL, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):89–94 (Eng. Abstr.) **(Rus)**
[Selection of the method of treating patients with cicatricial stricture of the rectum] Makarov VP, et al.
Khirurgiia (Mosk) 1987 Mar;(3):62–6 (Eng. Abstr.) **(Rus)**
[Personal experience with posterior transsphincteric procto-rectotomy] Potić D, et al. **Srp Arh Celok Lek** 1986 Aug;114(8):749–55 (Eng. Abstr.) **(Scc)**
[Proctocolectomy with an ileal reservoir and ileo-anal anastomosis for familial polyposis and ulcerative colitis] Del Río Fernández JM, et al.
Rev Esp Enferm Apar Dig 1986 Nov;70(5):395–400 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Ultrastructural findings of rectal and skin biopsies in adult GM1-gangliosidosis. Ikeda S, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1823–31
Electronmicroscopic study on biopsied rectal mucosa in adrenoleukodystrophy. Tanaka K, et al. **Neurology** 1987 Jun;37(6):1012–5

RECURRENCE see under **DISEASE**

RECURRENT LARYNGEAL NERVE see under **LARYNGEAL NERVES**

RED CELL APLASIA, PURE

BLOOD

Transient erythroblastopenia of adolescence. Zwerdling T, et al. **Clin Pediatr (Phila)** 1986 Nov;25(11):563–5
Erythrocyte age-dependent changes of membrane protein 4.1: studies in transient erythroblastopenia. Ravindranath Y, et al. **Pediatr Res** 1987 Mar;21(3):275–8
[Oligoclonal paraproteinemia in partial red cell aplasia of the bone marrow] Etkin AF, et al. **Gematol Transfuziol** 1987 Apr;32(4):31–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Co-trimoxazole red cell aplasia in leukaemia. Unter CE, et al. **Arch Dis Child** 1987 Jan;62(1):85–7
Carbamazepine and erythroid arrest. Medberry CA 3d, et al. **Drug Intell Clin Pharm** 1987 May;21(5):439–41

COMPLICATIONS

Combined pure red cell aplasia and primary autoimmune hypothyroidism in systemic lupus erythematosus [letter] Franzén P, et al. **Arthritis Rheum** 1987 Jul;30(7):839–40
Simultaneous transient erythroblastopenia and agranulocytosis: IgG-mediated inhibition of erythrogranulopoiesis. Hanada T, et al. **Eur J Haematol** 1987 Feb;38(2):200–3
Pure red cell aplasia and acute viral hepatitis. Case report and review of the literature. Iacopino P, et al.
Haematologica (Pavia) 1986 May–Jun;71(3):217–20
[Association of autoimmune chronic active hepatitis and acquired erythroblastopenia cured by cyclophosphamide] Trinchet JC, et al. **Gastroenterol Clin Biol** 1986 Dec; 10(12):841–4 (Eng. Abstr.) **(Fre)**
[Four cases of thymoma with pure red cell aplasia] Yano T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Apr; 35(4):500–3 (Eng. Abstr.) **(Jpn)**
[A case of posttransfusion hepatitis showing epithelioid granuloma in the bone marrow with pure red cell aplasia (PRCA)] Yamashita F, et al. **Rinsho Ketsueki** 1986 Jun; 27(6):910–5 (Eng. Abstr.) **(Jpn)**
[Erythromyelosis in the outcome of partial red cell aplasia] Pivnik AV, et al. **Ter Arkh** 1986;58(9):97–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Pure red cell aplasia: response to therapy with anti-thymocyte globulin. Abkowitz JL, et al.
Am J Hematol 1986 Dec;23(4):363–71
Transient response of pure red cell aplasia to anti-thymocyte globulin in a patient with T-cell chronic lymphocytic leukemia. Hocking W, et al. **Am J Hematol** 1987 Mar; 24(3):285–91
Efficacy of danazol in pure red cell aplasia. Lippman SM, et al. **Am J Hematol** 1986 Dec;23(4):373–9
Pure red cell aplasia and thymoma: demonstration of persisting inhibition of erythropoiesis after thymectomy and resolution after immune suppressive treatment. Eridani S, et al. **Clin Lab Haematol** 1986;8(3):181–5
[Successful treatment of pure red cell aplasia with cyclosporine] Uchida T, et al. **Rinsho Ketsueki** 1987 May; 28(5):748–51 (Eng. Abstr.) **(Jpn)**
[Cyclophosphane treatment of patients with partial red cell aplasia] Fedorovskaia NA, et al. **Gematol Transfuziol** 1987 Apr;32(4):29–31 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Acquired pure red cell aplasia. Ammus SS, et al.
Am J Hematol 1987 Mar;24(3):311–26 (197 ref.)
Human parvovirus-associated red cell aplasia in the absence of underlying hemolytic anemia. Van Horn DK, et al.
Am J Pediatr Hematol Oncol 1986 Fall;8(3):235–9
Aplastic crisis in haemolytic anemias not associated with human parvovirus infection [letter] Lefrere JJ, et al.
J Clin Pathol 1987 Jun;40(6):700
Anagyrine-induced red cell aplasia, vascular anomaly, and skeletal dysplasia. Ortega JA, et al. **J Pediatr** 1987 Jul; 111(1):87–9
[Two cases of red cell aplasia with multiple immunological abnormalities developing after resection of thymoma] Takeuchi Y, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1922–7 (Eng. Abstr.) **(Jpn)**
[Pure red-cell aplasia: onset of a low-grade lymphoma (letter)] Laguna Cuesta F, et al. **Sangre (Barc)** 1986; 31(6):774–5 **(Spa)**

IMMUNOLOGY

[Studies of the pathogenesis of pure red cell aplasia associated with multiple myeloma] Tsuchikawa K, et al.
Rinsho Ketsueki 19. Dec;27(12):2221–7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Dysregulation in stem cell proliferation. Detection in a patient with erythroblasto- and reticulocytopenia] Boll I, et al. **Fortschr Med** 1986 Aug 7;104(29):556–60 (Eng. Abstr.) **(Ger)**

THERAPY

Pure red blood cell aplasia: response to intravenous immunoglobulins, a blocking antibody [letter] Katakkar SB.
Arch Intern Med 1986 Nov;146(11):2288
A study on the value of red cell exchange transfusion in transfusion dependent anaemias. Berdoukas VA, et al.
Clin Lab Haematol 1986;8(3):209–20
Success of bone marrow transplantation in congenital Diamond-Blackfan anaemia: a case report.
Wiktor-Jedrzejczak W, et al. **Eur J Haematol** 1987 Feb; 38(2):204–6
Pure red cell aplasia. Transient remission in connection with acute hepatitis [letter] Paolino W, et al.
Haematologica (Pavia) 1987 Mar–Apr;72(2):183
Anti-thymocyte globulin therapy of hematologic disorders. Magno J, et al. **Hawaii Med J** 1987 Mar;46(3):85–91
[Splenectomy: the first step in the treatment of pure erythrocytic aplasia?] Calvo Catalá J, et al.
Med Clin (Barc) 1986 Oct 18;87(12):505–7 (Eng. Abstr.) **(Spa)**

VETERINARY

Antibody-mediated suppression of erythropoiesis in dogs with red blood cell aplasia. Weiss DJ. **Am J Vet Res** 1986 Dec;47(12):2646–8
Lymphocytes and antibody in retrovirus-induced feline pure red cell aplasia. Abkowitz JL, et al. **JNCI** 1987 Jan; 78(1):135–9

RED CELL GHOST see **ERYTHROCYTE MEMBRANE**

RED CELL INDICES see **ERYTHROCYTE INDICES**

RED CELL MASS see **ERYTHROCYTE VOLUME**

RED CELL SUBSTITUTES see **BLOOD SUBSTITUTES**

RED CROSS

[Conditions for an HLA-compatible platelet supply at the Japan Red Cross Blood Center] Mori M, et al.
Rinsho Ketsueki 1986 Jul;27(7):1286–9 **(Jpn)**
[Role of the Red Cross in health transportation] Amaro Lasheras J. **An R Acad Nac Med (Madr)** 1986; 103(2):191–215 **(Spa)**

HISTORY

Annual oration on the beginnings of the Red Cross and some personal reflections. Mountbatten of Burma, Countess.
Trans Med Soc Lond 1984–85;101:68–71
[Imre Ivánka, factotum of the Red Cross, died 90 years ago] Kiss L. **Orv Hetil** 1986 Aug 10;127(32):1961–2 **(Hun)**

ORGANIZATION & ADMINISTRATION

[The Norwegian Red Cross rescue corps. A study of the organization based on records from a sampling of units] Svoen N. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):175–8 (Eng. Abstr.) **(Nor)**

RED NUCLEUS

ANALYSIS

The N-CAM D2-protein as marker for synaptic remodelling in the red nucleus. Jørgensen OS, et al. **Brain Res** 1987 Mar 3;405(1):39–45

ANATOMY & HISTOLOGY

Is there a reciprocal connection between the red nucleus and the interposed cerebellar nuclei? Conclusions based on observations of anterograde and retrograde transport of peroxidase-labelled lectin in the same animal. Walberg F, et al. **Brain Res** 1986 Nov 5;397(1):73–85
The origin and termination of the dentatorubral fibres in the cat as studied with retrograde and anterograde transport of peroxidase labelled lectin. Walberg F, et al.
Exp Brain Res 1986;63(2):294–300
Electron microscopic study of the rubrocerebellar projection in the cat. Nakamura Y, et al. **J Comp Neurol** 1987 Apr 22;258(4):611–21
Anatomical evidence for an ipsilateral rubrospinal pathway and for direct rubrospinal projections to motoneurons in the cat. Holstege G. **Neurosci Lett** 1987 Mar 9;74(3):269–74
Light labeling of red nucleus neurons following an injection of peroxidase-conjugated wheat germ agglutinin into the

inferior olivary nucleus of the rat. Kennedy PR. **Neurosci Lett** 1987 Mar 9;74(3):262–8

Anatomical evidence of a reciprocal connection between the posterior thalamic nucleus and the parvocellular division of the red nucleus in the rat. A combined retrograde and anterograde study. Roger M, et al. **Neuroscience** 1987 May; 21(2):573–83

Dendritic and somatic appendages of identified rubrospinal neurons of the cat. Wilson CJ, et al. **Neuroscience** 1987 Jul;22(1):113–30

GROWTH & DEVELOPMENT

The adult organization and development of the rubrospinal tract. An experimental study using the orthograde transport of WGA–HRP in the North–American opossum. Cabana T, et al. **Brain Res** 1986 Nov;395(1):1–11

Ultrastructural study of remodeled rubral afferents following neonatal lesions in the rat. Naus CG, et al. **J Comp Neurol** 1987 May 1;259(1):131–9

The development of rubrospinal, cerebellorubral, and corticorubral connections in the North American opossum. Evidence for asynchronism. Martin GF, et al. **Neurochem Pathol** 1986 Dec;5(3):221–36

PATHOLOGY

Assessment of spinal cord injury by counting corticospinal and rubrospinal neurons. Midha R, et al. **Brain Res** 1987 May 5;410(2):299–308

Contralateral corticorubral fibers induced by neonatal lesions are not collaterals of the normal ipsilateral projection. Naus CC, et al. **Neurosci Lett** 1986 Sep 25;70(1):52–8

PHYSIOLOGY

Functional properties of the cerebellorubral synapses in the cat. Gorodnov VL, et al. **Brain Res** 1987 May 5; 410(2):340–2

Parametric relationships of individual digit movements to neuronal discharges in primate magnocellular red nucleus. Kennedy PR. **Brain Res** 1987 Aug 4;417(1):185–9

A dynamic role of rubral neurons in contact placing by the adult cat. Batson DE, et al. **J Neurophysiol** 1986 Sep; 56(3):835–56

Sprouting of GABAergic synapses in the red nucleus after lesions of the nucleus interpositus in the cat. Katsumaru H, et al. **J Neurosci** 1986 Oct;6(10):2864–74

Amino acid receptor mediated excitatory synaptic transmission in the cat red nucleus. Davies J, et al. **J Physiol (Lond)** 1986 Jul;376:13–29

Synaptic responses of red nucleus neurons in the alert cat to cortical and cerebellar inputs. Fanardjian VV, et al. **Neurosci Lett** 1987 Jan 2;73(1):38–42

Immunohistochemical evidence of plasticity of gamma–aminobutyric acid neurons in the red nucleus and adjacent reticular formation after contralateral cerebellectomy in the adult cat. Vuillon–Cacciuttolo G, et al. **Neurosci Lett** 1986 Oct 20;70(3):308–13

The investigations of N. Tsukahara on relocation of synapses on red nucleus neurones. Eccles JC. **Neurosci Res** 1986 Sep;3(6):476–86

Synaptic currents at interpositorubral and corticorubral excitatory synapses measured by a new iterative single–electrode voltage–clamp method. Murakami F, et al. **Neurosci Res** 1986 Sep;3(6):590–605

[Cortical and cerebellar control on single neurons from the parvocellular portion of the red nucleus of the rat] Giuffrida R, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30; 62(7):883–90 (Eng. Abstr.) **(Ita)**

[Electrophysiologic study of the rubro–nigral projection of the cat] Sarkisian DS. **Fiziol Zh SSSR** 1987 Jan;73(1):28–34 (Eng. Abstr.) **(Rus)**

[Neuronal analysis of the rubro–cerebellar projection in the cat] Gorodnov VL, et al. **Neirofiziologiia** 1987;19(3):420–2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Quantitative analysis of rubral degeneration following neonatal deafferentation. Naus CG, et al. **Exp Neurol** 1986 Nov;94(2):359–67

[Intracellular study of the formation of new synapses and collateral sprouting of red nucleus neurons after destruction of the cerebellar nucleus interpositus in the adult cat] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1987 Feb; 73(2):163–72 (Eng. Abstr.) **(Rus)**

RED TIDE see **DINOFLAGELLIDA**

REDOX see **OXIDATION–REDUCTION**

REDUCTASES see **OXIDOREDUCTASES**

REDUVIIDAE see **TRIATOMIDAE**

REELER MICE see **MICE, NEUROLOGIC MUTANTS**

REFERENCE BOOKS

Building a better bookshelf. Fonseca JD. **Am J Nurs** 1987 Aug;87(8):1036–42

REFERENCE RANGES see **REFERENCE VALUES**

REFERENCE STANDARDS

A manufacturer's criteria for in–house reference preparations for RAST inhibition. Maasch HJ, et al. **Ann Allergy** 1987 Jul;59(1):29–33

Preservatives in the European standard series for epicutaneous testing. de Groot AC, et al. **Br J Dermatol** 1987 Mar;116(3):289–92

Recommendations for reference method for haemoglobinometry in human blood (ICSH standard 1986) and specifications for international haemiglobincyanide reference preparation (3rd edition). International Committee for Standardization in Haematology; Expert Panel on Haemoglobinometry. **Clin Lab Haematol** 1987; 9(1):73–9

Production of an international reference standard alternaria extract. I. Testing of candidate extracts. Helm RM, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):178–89

A comparative study of two microcomputer nutrient data bases with the USDA Nutrient Data Base for Standard Reference. Nieman DC, et al. **J Am Diet Assoc** 1987 Jul; 87(7):930–2

Principles of biological standardization and the conduct of collaborative studies to establish international standards. Seagroatt V, et al. **Lymphokine Res** 1986;5 Suppl 1:S7–11

[Principles of analysis. Reference materials] Lorenzini L. **Ann Ist Super Sanita** 1987;23(1):23–32 (Eng. Abstr.) **(Ita)**

REFERENCE VALUES

Two–stage transformation systems for normalization of reference distributions evaluated. Linnet K. **Clin Chem** 1987 Mar;33(3):381–6

International Federation of Clinical Chemistry. Scientific committee, Clinical Section. Expert Panel on Theory of Reference Values and International Committee for Standardization in Haematology Standing Committee on Reference Values. Approved recommendation (1986) on the theory of reference values. Part 1. The concept of reference values. Solberg HE. **Clin Chim Acta** 1987 May 29;165(1):111–8

International Federation of Clinical Chemistry (IFCC), Scientific Committee, Clinical Section, Expert Panel on Theory of Reference Values, and International Committee for Standardization in Haematology (ICSH), Standing Committee on Reference Values. Approved Recommendation (1986) on the theory of reference values. Part 1. The concept of reference values. Solberg HE. **J Clin Chem Clin Biochem** 1987 May;25(5):337–42

The distribution of intracellular alkali metals in Reference Man. Williams LR, et al. **Phys Med Biol** 1987 Feb; 32(2):173–90

[What is a normal result?] Kauffmann F. **Rev Epidemiol Sante Publique** 1986;34(6):427–35 **(Fre)**

REFERRAL AND CONSULTATION

Hypertension in middle–aged men. The effect of repeated screening and referral to community physicians on hypertension control. Sigfússon N. **Acta Med Scand [Suppl]** 1986;710:1–131

Systems in transition. The first 100 elderly clients. Baldwin S. **Acta Psychiatr Belg** 1986 Jul–Aug;86(4):439–43

Urban environment, marital status and mental disorders. An investigation of psychiatric new referrals to outpatient clinics from a geographically defined sector. Andersen JE. **Acta Psychiatr Scand** 1987 Jul;76(1):94–100

Contacts of suicidal neurotic and prepsychotic/psychotic patients and their significant others with public care institutions before the suicide attempt. Wolk–Wasserman D. **Acta Psychiatr Scand** 1987 Apr;75(4):358–72

Youth suicide: the role of school consultation. Peck ML, et al. **Adolesc Psychiatry** 1987;14:511–21

Prospective patients' reactions to alcoholism clinic referral. Rees DW. **Alcohol Alcohol** 1986;21(3):247–50

Distress and help–seeking as a function of person–environment fit and self–efficacy: a causal model. Tracey TJ, et al. **Am J Community Psychol** 1986 Dec; 14(6):657–76

Types of consultations provided by a clinical pharmacokinetics service [letter] Black J, et al. **Am J Hosp Pharm** 1987 Mar;44(3):504–5

Neurologic consultations in a general hospital. Spectrum of latrogenic disease. Moses H 3d, et al. **Am J Med** 1986 Dec; 81(6):955–8

A cautionary note on the application of family therapy principles to organizational consultation. Merkel WT, et al. **Am J Orthopsychiatry** 1987 Jan;57(1):111–5

A biopsychosocial approach to treating patients with affective disorders. Vasile RG, et al. **Am J Psychiatry** 1987 Mar;144(3):341–4

Psychiatric referrals of elderly patients in a general hospital. Kua EH. **Ann Acad Med Singapore** 1987 Jan;16(1):115–7

Psychiatric consultation to inpatients with 'early–onset' type I diabetes mellitus in a university hospital. Popkin MK, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):169–71

The experience of otolaryngological practice on neurological patients. Mizuno M, et al. **Auris Nasus Larynx** 1987; 14(1):23–30

Consulting skills: what are they [editorial] Carson N. **Aust Fam Physician** 1987 Mar;16(3):207

Patient encounters with general practitioners: place of consultation. Munro C. **Aust Fam Physician** 1987 Mar; 16(3):320, 323–4, 326

Psychiatric symptoms, social disablement and illness behaviour. Hurry J, et al. **Aust NZ J Psychiatry** 1987 Mar; 21(1):68–7.

People as illnesses [letter] Miles W. **Aust NZ J Psychiatry** 1986 Jun;20(2):247

Importance of a relevant medical history [letter] Scully C, et al. **Br Dent J** 1987 Apr 25;162(8):293

Why drug users sought help from one London Drug Clinic. Sheehan M, et al. **Br J Addict** 1986 Dec;81(6):765–75

Sex differences in help–seeking for alcohol problems—1. The barriers to help–seeking. Thom B. **Br J Addict** 1986 Dec; 81(6):777–88

Open access to orthopaedic appliances for general practitioners. Payne S, et al. **Br Med J** 1987 Feb 21; 294(6570):485–6

Waiting time for urgent appointments [letter] **Br Med J [Clin Res]** 1987 Mar 7;294(6572):646–7

Drums begin to beat in the waiting list jungle [letter] Bennett J, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1291

Sources and patterns of referrals of oral cancer: role of general practitioners. Scully C, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):599–601

Consultation/liaison psychiatry. Hamburg BA. **Bull NY Acad Med** 1987 May;63(4):376–85

Impact of removing the waiting list upon clinic intakes. Brooker BH, et al. **Can J Psychiatry** 1986 Aug;31(6):521–5

Psychiatry and family medicine: the McMaster approach. Kates N, et al. **Can J Psychiatry** 1987 Apr;32(3):170–4

Geriatric referrals to a psychiatric consultation–liaison service. Mainprize E, et al. **Can J Psychiatry** 1987 Feb; 32(1):5–9

Effect of a geriatric consultation service on management of patients in an acute care hospital. Hogan DB, et al. **Can Med Assoc J** 1987 Apr 1;136(7):713–7

Effect of a geriatric consultation service on management of patients in an acute care hospital [letter] Hontela S. **Can Med Assoc J** 1987 Sep 1;137(5):369–70

Parents anonymous: helping clients to accept professional services, a personal opinion [letter] Vaughan ML. **Child Abuse Negl** 1987;11(1):156–7

How useful are telephone consultation services for parents? Samuels J, et al. **Child Today** 1987 May–Jun;16(3):27–30

Outpatient geriatric evaluation. Williams ME. **Clin Geriatr Med** 1987 Feb;3(1):175–83

Inpatient geriatric consultation. Winograd CH. **Clin Geriatr Med** 1987 Feb;3(1):193–202

Psychiatric liaison to liver transplant recipients. Krener PG. **Clin Pediatr (Phila)** 1987 Feb;26(2):93–7

Providing professional lactation management consultation. Naylor A, et al. **Clin Perinatol** 1987 Mar;14(1):33–8

The pathway to psychiatric admission. Lindsay JS. **Community Health Stud** 1987;11(2):91–7

Domiciliary consultations—necessary service or anachronistic luxury? Sanders GL, et al. **Community Med** 1987 May;9(2):121–8

Conceptualization of psychiatric illness and help–seeking behavior among Chinese. Cheung FM. **Cult Med Psychiatry** 1987 Mar;11(1):97–106

The raised eyebrow. II. McCarthy JT. **Cutis** 1987 Aug; 40(2):84

From referral to placement: teachers' perceptions of their responsibilities. White R, et al. **Except Child** 1987 Feb; 53(5):460–8

Reasons for referral to hospital: extent of agreement between the perceptions of patients, general practitioners and consultants. Grace JF, et al. **Fam Pract** 1986 Sep;3(3):143–7

An evaluation of an intergenerational consultation process to increase personal authority in the family system. Bray JH, et al. **Fam Process** 1986 Sep;25(3):423–36

Professional politics and the concepts of family therapy, family consultation, and systems consultation. Wynne LC, et al. **Fam Process** 1987 Jun;26(2):153–66

Recent research developments in consultation–liaison psychiatry. Cohen–Cole SA, et al. **Gen Hosp Psychiatry** 1986 Sep;8(5):316–29 (78 ref.)

Factitious disorder and coexisting depression: a report of successful psychiatric consultation and case management. Earle JR Jr, et al. **Gen Hosp Psychiatry** 1986 Nov; 8(6):448–50

The masochistic patient in consultation–liaison psychiatry. Elliott RL. **Gen Hosp Psychiatry** 1987 Jul;9(4):241–50

Psychiatric emergencies in the general hospital. Fulop G, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):425–31

A reexamination of the psychiatric resident's experience in the general hospital. Hales RE, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):432–6

Consultation–liaison psychiatry and clinical ethics: a model for consultation and teaching. Hayes JR. **Gen Hosp Psychiatry** 1986 Nov;8(6):415–8

Assessment of patient–staff and intrastaff problems in psychiatric consultations. Hengeveld MW, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):25–30

Application of systems principles in consultation–liaison psychiatry. Kalayam B. **Gen Hosp Psychiatry** 1987 May; 9(3):174–8

The effectiveness of mental health consultation and referral in ambulatory primary care: a research lacuna. Kamerow DB, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):111–7 (58 ref.)

Neuroleptic malignant syndrome as a possible postoperative

complication: a case report. Kuhn WF, et al. **Gen Hosp Psychiatry** 1987 May;9(3):179–81
Consultation–liaison psychiatry: the first half century. Lipowski ZJ. **Gen Hosp Psychiatry** 1986 Sep;8(5):305–15
Consultation–liaison psychiatry and the teaching of ethics. McCartney JR. **Gen Hosp Psychiatry** 1986 Nov;8(6):411–4
A British view of liaison psychiatry. Mayou R. **Gen Hosp Psychiatry** 1987 Jan;9(1):18–24
Neurologic referrals to a psychiatric consultation–liaison service. A study of 199 patients. Schofield A, et al. **Gen Hosp Psychiatry** 1987 Jul;9(4):280–6
Ambulatory mental health liaison research: a review and preview. Schulberg HC. **Gen Hosp Psychiatry** 1987 Mar; 9(2):126–34
Anxiety disorders and psychiatric referral in the general medical emergency room. Schwartz GM, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):87–93
Rehabilitation programs for myocardial infarction patients: a national survey. Sikes WW, et al. **Gen Hosp Psychiatry** 1987 May;9(3):182–6
Ombudsman Rounds on the otolaryngology service [clinical conference] Strain JJ, et al. **Gen Hosp Psychiatry** 1987 Jan; 9(1):64–70
Evaluation of psychiatric consultation–liaison in primary care settings. Von Korff M, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):118–25
Involuntary hospitalization: an issue for the consultation–liaison psychiatrist. Wise TN, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):40–4
Vision loss in age–related maculopathy: primary care referral guide. Smith–Brewer S, et al. **Geriatrics** 1987 Sep; 42(9):99–103, 106
The effects of monthly psychiatric consultation in a nursing home. Tourigny–Rivard MF, et al. **Gerontologist** 1987 Jun; 27(3):363–6
Out of hours referrals to a general psychiatric hospital. Blaney D, et al. **Health Bull (Edinb)** 1987 Mar;45(2):67–70
A psychiatric liaison service in a general hospital—eighteen years on. Brown TM, et al. **Health Bull (Edinb)** 1987 Jul; 45(4):190–6
The appropriate use of diagnostic services: (XII). Investigation of urinary infections in general practice: are we wasting facilities? Brumfitt W, et al. **Health Bull (Edinb)** 1987 Jan;45(1):5–10
Psychiatric geography: where patients live and their use of services—a study of computerised mapping of case register data. McCance C, et al. **Health Bull (Edinb)** 1987 Jul; 45(4):197–210
Referrals to a children's orthopaedic clinic. Roberts AP, et al. **Health Bull (Edinb)** 1987 Jul;45(4):174–8
Seeking medical care for a breast cancer symptom: determinants of intentions to engage in prompt or delay behavior. Timko C. **Health Psychol** 1987;6(4):305–28
The volume–outcome relationship: practice–makes–perfect or selective–referral patterns? Luft HS, et al. **Health Serv Res** 1987 Jun;22(2):157–82
Adaptive decisions in the use of hospital beds. MacLean L, et al. **Health Serv Res** 1987 Feb;21(6):741–54
Treating late–life depression on a medical–psychiatric unit. Fogel BS, et al. **Hosp Community Psychiatry** 1987 Aug; 38(8):829–31
Consultation liaison [letter] Reed K, et al. **Hosp Community Psychiatry** 1987 Jun;38(6):673–4
Mediating retention or release of the potentially dangerous patient. Schwartz HI, et al. **Hosp Community Psychiatry** 1987 Jan;38(1):75–7
Physician referral services: boom or bust? Powills S. **Hospitals** 1987 May 20;61(10):40, 42
Illinois coalition to develop referral service. Powills S. **Hospitals** 1987 Aug 5;61(15):107
Referral dilemmas. **IMJ** 1987 Jul;172(1):10–1
The complete physician: is the goal worth striving for? Reflections of an 88–year–old physician. Rhoads PS. **Indiana Med** 1987 Mar;80(3):280–4
Psychological consultation with substance abusers. Rogalski CJ. **Int J Addict** 1987 May;22(5):421–43
Psychiatric consultation in Micronesia: the question of organicity. Hunter EM, et al. **Int J Soc Psychiatry** 1986 Winter;32(4):40–7
Dynamic tension. Schreiber MH. **Invest Radiol** 1987 Jan; 22(1):93
Consulting to children's hearings in West Lothian. Aspin J. **J Adolesc** 1986 Sep;9(3):257–69
A brief family intervention with an adolescent referred for drug taking. Seligman P. **J Adolesc** 1986 Sep;9(3):231–42
Changes in sex ratios in referrals [letter] Craft P, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):113–4
Child psychiatrists' perceptions of timing and frequency of consultation requests. Fritz GK, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):425–7
Siblings in the delivery room: consultations to the obstetrical service. Isberg RS, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):268–73
Multidisciplinary evaluation of preschool children and its demography in a military psychiatric clinic. Lee BJ. **J Am Acad Child Adolesc Psychiatry** 1987 May;26(3):313–6
Integrating multiple perspectives in forensic child psychiatry consultation. Barnum R. **J Am Acad Child Psychiatry** 1986 Sep;25(5):718–23
Outcome of patients referred for cardiac transplantation. Evans RW, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1312–7
A student stress management and referral system. Thomas BJ, et al. **J Am Coll Health** 1987 Mar;35(5):232–3
Trial of a geriatric consultation team in an acute care hospital. Gayton D, et al. **J Am Geriatr Soc** 1987 Aug;35(8):726–36
Documenting impacts of geriatric consultation [editorial] Rubenstein LZ. **J Am Geriatr Soc** 1987 Aug;35(8):829–30
Psychiatric consultation following attempted suicide. McFarland BH, et al. **J Am Osteopath Assoc** 1986 Nov; 86(11):743–50
Swine consultation practice: a telephone and a computer modem. BeVier GW. **J Am Vet Med Assoc** 1987 Jan 15; 190(2):154–6
Trustees urge second surgical opinion. Porter PE. **J Am Vet Med Assoc** 1987 Jan 1;190(1):36–7
Effects of problem–based scheduling on patient waiting and staff utilization of time in a pediatric clinic. Callahan NM, et al. **J Appl Behav Anal** 1987 Summer;20(2):193–9
Effects of patient management guidelines on physician practice patterns: the Community Hospital Oncology Program experience [letter] Feldman MI. **J Clin Oncol** 1987 Aug;5(8):1300
Factor analysis of the PIC profiles of clinic–referred children. Goh DS, et al. **J Clin Psychol** 1987 Jul;43(4):398–402
Cultural factors in clinical assessment. Westermeyer J. **J Consult Clin Psychol** 1987 Aug;55(4):471–8
Referral practices and attitudes of pediatricians toward young mentally retarded children. Goodman JF, et al. **J Dev Behav Pediatr** 1987 Apr;8(2):97–105
Developmental consultation services in two communities. Gottlieb SE. **J Dev Behav Pediatr** 1987 Jun;8(3):154–8
Emergency department disposition and knowledge of other specialties. Rosen P. **J Emerg Med** 1986;4(4):325–6
Gatekeeping in primary care: a comparison of internal medicine and family practice. Bertakis KD, et al. **J Fam Pract** 1987 Mar;24(3):305–9
Responsibility vs anonymity. Carmichael JK. **J Fam Pract** 1986 Dec;23(6):595–6
Adjusting for selection biases in referral populations. Froom P, et al. **J Fam Pract** 1987 Jan;24(1):80–2
Treat or refer: patients' interest in family physician involvement in their psychosocial problems. Hansen JP, et al. **J Fam Pract** 1987 May;24(5):499–503
The family conference: what do patients want? Kushner K, et al. **J Fam Pract** 1986 Nov;23(5):463–7
Compliance with the recommendations of medical consultants. Ballard WP, et al. **J Gen Intern Med** 1986 Jul–Aug;1(4):220–4
Outpatient consultation: interaction between the general internist and the specialist. Byrd JC, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):93–8
Preoperative medical consultations in a community hospital. Ferguson RP, et al. **J Gen Intern Med** 1987 Mar–Apr; 2(2):89–92
The art and science of perioperative consultation: here we are and where we should be going [editorial] Goldman L. **J Gen Intern Med** 1987 Jul–Aug;2(4):284–5
The first years of a consultation bureau for homosexuality. Stienstra R, et al. **J Homosex** 1986 Winter–1987 Spring; 13(2–3):137–43
Weekend consultative panic: fact or fiction? [letter] Kachmer ML, et al. **J Infect Dis** 1986 Dec;154(6):1050–1
Role of the consultation–liaison psychiatrist in the treatment of AIDS patients. Feldmann TB. **J Ky Med Assoc** 1987 May;85(5):249–52
Chiropractic's functional integration into conventional health care: some implications. Jamison JR. **J Manipulative Physiol Ther** 1987 Feb;10(1):5–10
Study of physician referral rates: more numerators in search of denominators [editorial] Kassebaum DG. **J Med Educ** 1987 Mar;62(3):194
Referral rates of senior family practice residents in an ambulatory care clinic. Lawler FH. **J Med Educ** 1987 Mar; 62(3):177–82
Some reflections on the Wendy Savage Case [letter] Davis JA. **J Med Ethics** 1986 Sep;12(3):166–7
A method linking statistics and knowledge engineering for making medical consulting systems. A medical consulting system for electric response audiometry through auditory slow vertex response. Fujikake M, et al. **J Med Syst** 1986 Jun;10(3):289–305
A public school–based referral system for psychiatric mental health nursing experiences. Eakes GG, et al. **J Nurs Educ** 1987 Feb;26(2):76–7
Response to symptoms in healthy, low utilizers of the health care system. Egan KJ, et al. **J Psychosom Res** 1987; 31(1):11–21
The frequent consulter in primary medical care. Robinson JO, et al. **J Psychosom Res** 1986;30(5):589–600
Referral from general practice to specialists in Denmark [letter] Sorensen HT, et al. **J R Coll Gen Pract** 1986 Jun; 36(287):290–1
Differential referral of women and men to employee assistance programs: the role of supervisory attitudes. Young DW, et al. **J Stud Alcohol** 1987 Jan;48(1):22–8
Gate keepers need love too. Eason HB. **J Tenn Med Assoc** 1986 Dec;79(12):762–3
Results of a second–opinion program for coronary artery bypass graft surgery. Graboys TB, et al. **JAMA** 1987 Sep 25;258(12):1611–4
Second opinions for aortocoronary bypass grafting are beneficial [editorial] McIntosh HD. **JAMA** 1987 Sep 25; 258(12):1644–5
Preoperative consultation. **Med Clin North Am** 1987 May; 71(3):353–590
The medical consultant. Merli GJ, et al. **Med Clin North Am** 1987 May;71(3):353–5
The effects of disease verification and referral on the relationship between symptoms and diseases. Knottnerus JA. **Med Decis Making** 1987 Jul–Sep;7(3):139–48
Subjective expected utility and referral decisions in obesity. Jennett PA, et al. **Methods Inf Med** 1986 Oct;25(4):215–21
Patient referrals and consultations initiated by Pacific Fleet ships during in–port periods. Nice DS, et al. **Milit Med** 1986 Sep;151(9):466–8
Psychiatric consultation to community–based military child protection teams. Small RH. **Milit Med** 1987 May; 152(5):223–7
Risk management in practice. Communicating with medical consultants. Sanders PS. **Minn Med** 1987 Jul;70(7):414
Tonsillectomy referrals in an HMO–based population. Stang H. **Minn Med** 1987 May;70(5):283–6
Psychiatric consultation in somatization disorder [letter] Beasley JW. **N Engl J Med** 1986 Oct 30;315(18):1168–9
Psychiatric consultation in professional football. Nicholi AM Jr. **N Engl J Med** 1987 Apr 23;316(17):1095–100
ACC and ethics of consultation [letter] Culpan SJ. **NZ Med J** 1986 May 28;99(802):383
Referral of asthmatics to a psychologist [letter] Taylor GH, et al. **NZ Med J** 1986 Dec 10;99(815):960–1
On "second opinions" [editorial]Boal BH. **PACE** 1986 Nov; 9(6 Pt 1):917–8
Interviewing the adolescent. Lucas SE, et al. **Pediatr Ann** 1986 Nov;15(11):811–4
Otitis media and sinusitis: management and when to refer to the otolaryngologist. Bluestone CD. **Pediatr Infect Dis J** 1987 Jan;6(1):100–6 (28 ref.)
Primary care pediatrics and child psychopathology: a review of diagnostic, treatment, and referral practices. Costello EJ. **Pediatrics** 1986 Dec;78(6):1044–51 (26 ref.)
Human rights consultation: a 12–year experience of a pediatric bioethics committee. Michaels RH, et al. **Pediatrics** 1986 Oct;78(4):566–72
Aneurysmal subarachnoid hemorrhage. The critical need for prompt referral. Diamond S. **Postgrad Med** 1987 Apr; 81(5):105
The role of the consultation process in physician learning. Lockyer J, et al. **Proc Annu Conf Res Med Educ** 1986; 25:151–6
Consultation–liaison psychiatry. **Psychiatr Clin North Am** 1987 Mar;10(1):1–154
Alcoholism and the consultation–liaison psychiatrist. Gill DJ. **Psychiatr Clin North Am** 1987 Mar;10(1):129–39 (36 ref.)
Alcoholism in the general hospital: the effectiveness of screening and referral. Beresford TP, et al. **Psychiatr Med** 1984 Jun;2(2):139–48
Psychiatric referral after head trauma. O'Shanick GJ, et al. **Psychiatr Med** 1984 Jun;2(2):131–7
Difficulties in the physician–patient dyad: invoking the psychiatric consultant. Popkin MK, et al. **Psychiatr Med** 1984 Jun;2(2):183–8
Police responses for mental health assistance. Pogrebin MR. **Psychiatr Q** 1986–87 Spring;58(1):66–73
The psychiatric emergency room and follow–up services in the community. Solomon P, et al. **Psychiatr Q** 1986–87 Summer;58(2):119–27
The double life of a psychiatrist: role changes between hospital and office. Schwartz RS. **Psychiatry** 1987 Feb; 50(1):83–7
General practitioners' selection of patients for treatment in community psychiatric services. Munk–Jørgensen P. **Psychol Med** 1986 Aug;16(3):611–9
Early manifestations and first–contact incidence of schizophrenia in different cultures. A preliminary report on the initial evaluation phase of the WHO Collaborative Study on determinants of outcome of severe mental disorders. Sartorius N, et al. **Psychol Med** 1986 Nov; 16(4):909–28
Minor psychiatric morbidity and general practice consultation: the West London Survey. Williams P, et al. **Psychol Med [Monogr Suppl]** 1986;9:1–37
Effects of consultation on the ward atmosphere in a state psychiatric hospital. Herrera JM, et al. **Psychol Rep** 1987 Apr;60(2):423–8
Surgical outcome in 'death–minded' patients. Boehnert CE. **Psychosomatics** 1986 Sep;27(9):638–42
A pilot program for assigned reading by residents in consultation psychiatry. Frankel BL, et al. **Psychosomatics** 1986 Sep;27(9):644–7
Liaison psychiatry in the heart transplant unit. Mai FM. **Psychosomatics** 1987 Jan;28(1):44–6
Competency issues in referrals to a consultation–liaison service. Myers B, et al. **Psychosomatics** 1986 Nov; 27(11):782–9
The art of "doing nothing".Wehlage DF. **RI Med J** 1986 Sep;69(9):409–18
Training mental health workers in psychiatric rehabilitation. Rogers ES, et al. **Schizophr Bull** 1986;12(4):709–19
Does indirect consultation lead to overprescribing in general practice? Haaijer–Ruskamp FM, et al. **Soc Sci Med** 1987; 25(1):43–6
Meditation on a rose [editorial] Alexander E Jr. **Surg Neurol** 1986 Nov;26(5):520
Patient recall systems. Conomikes GS. **Tex Med** 1987 Jan; 83(1):81
Physicians' obligations in legal matters [letter] Airola VR.

West J Med 1986 Sep;145(3):393

Consultations in clinical ethics—issues and questions in 27 cases. La Puma J. **West J Med** 1987 May;146(5):633–7

[Physicians' misuse of referral of patients (letter)] Davie G. S **Afr Med J** 1972 Jul 22;46(30):1064 **(Afr)**

[Urticaria in general practice. IV. A follow-up study of the course and contact pattern after 2 years] Christensen B, et al. **Ugeskr Laeger** 1986 Nov 3;148(45):2918–9 (Eng. Abstr.) **(Dan)**

[Elderly people's contact with general practitioners. A 3-year study in the municipality of Rødovre] Hendriksen C, et al. **Ugeskr Laeger** 1986 Dec 8;148(50):3397–401 (Eng. Abstr.) **(Dan)**

[Examination prior to referral. An experimental project in community psychiatric service in North Jutland] Nielsen OR, et al. **Ugeskr Laeger** 1987 Feb 16;149(8):544–7 (Eng. Abstr.) **(Dan)**

[Eye diseases in general practice] Olesen F, et al. **Ugeskr Laeger** 1986 Sep 1;148(36):2312–5 (Eng. Abstr.) **(Dan)**

[The changing pattern of referrals in relation to melanoma of the skin?] Rampen FH, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):997–9 (Eng. Abstr.) **(Dut)**

[Altered pattern of referral in relation to melanoma of the skin? (letter)] Sluzewski H. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1319–20 **(Dut)**

[School-related problems in consultation of adolescents] Courtecuisse V, et al. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):729–32 (Eng. Abstr.) **(Fre)**

[Phlebology Consultation Services open to physicians] **Phlebologie** 1987 Apr–Jun;40(2):XXI–XXVI **(Fre)**

[Role of the anesthetist in the multidisciplinary consultation on chronic pain] Buchser E, et al. **Rev Med Suisse Romande** 1986 Nov;106(11):1041–6 (19 ref.) **(Fre)**

[Role of the neurosurgeon in the multidisciplinary consultation on chronic pain] Fankhauser H. **Rev Med Suisse Romande** 1986 Nov;106(11):1047–54 (26 ref.) **(Fre)**

[Multidisciplinary consultation on pain at the University Hospital Center of the Canton of Vaud] Mustaki JP. **Rev Med Suisse Romande** 1986 Nov;106(11):1023–30 **(Fre)**

[Psychiatric consultation in crisis intervention] De Coulon N. **Schweiz Arch Neurol Psychiatr** 1986;137(6):77–81 **(Fre)**

[Psychopathologic characteristics of Portugese children in a Paris consultation center. A comparative study] Fombonne E, et al. **Soc Psychiatry** 1987;22(1):58–64 (Eng. Abstr.) **(Fre)**

[An "around-the-clock" information service for malignant hyperthermia emergencies] Schulte-Sasse U, et al. **Chirurg** 1987 May;58(5):365 **(Ger)**

[What does family anamnesis contribute in routine medical practice?] Rott HD. **Fortschr Med** 1987 Jan 20;105(2):21–3 (Eng. Abstr.) **(Ger)**

[Dysmorphophobia. A report of experiences from the surgical special consultation] Neumann A. **Handchir Mikrochir Plast Chir** 1987 May;19(3):134–5 (Eng. Abstr.) **(Ger)**

[Psychologic adjustment in pediatric cardiologic interventions. Observations and recommendations] Sohni H, et al. **Klin Padiatr** 1987 Mar–Apr;199(2):80–5 (Eng. Abstr.) **(Ger)**

[Significance of medical consultation in the therapy of diabetes] Wisiak UV, et al. **Monatsschr Kinderheilkd** 1987 Feb;135(2):107–9 (Eng. Abstr.) **(Ger)**

[Rehabilitation possibilities of cooperation between community psychiatry and consultation and medical examiners—an experimental model in a rural area] Grosspietzsch R, et al. **Off Gesundheitswes** 1987 Mar; 49(3):152–5 (Eng. Abstr.) **(Ger)**

[Participation of psychotherapy in internal medicine-psychosomatic rehabilitation of patients with Crohn disease] Kauert-Habersetzer A, et al. **Off Gesundheitswes** 1986 Nov;48(11):623–6 (Eng. Abstr.) **(Ger)**

[Management of Turkish children and adolescents by the Public Health Service] König E, et al. **Off Gesundheitswes** 1986 Nov;48(11):614–7 (Eng. Abstr.) **(Ger)**

[Viewpoints on the effectiveness of preventive examination in the kindergarten] Mecke-Schoedder L. **Off Gesundheitswes** 1987 Jul;49(7):331–3 (Eng. Abstr.) **(Ger)**

[Readiness for professional psychotherapy] Köhle P. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Dec; 38(12):722–7 (Eng. Abstr.) **(Ger)**

[Medical ethics and forensic psychiatric assessment] Späte HF, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Jan; 39(1):17–23 (Eng. Abstr.) **(Ger)**

[Treatment terminations and transfers of schizophrenic patients in inpatient treatment with psychotherapeutic emphasis. A systematic study] Teusch L. **Psychiatr Prax** 1986 Sep;13(5):177–84 (Eng. Abstr.) **(Ger)**

[Psychiatric crises situations within the scope of the acute hospital] Michel K. **Schweiz Arch Neurol Psychiatr** 1986; 137(6):41–50 (Eng. Abstr.) **(Ger)**

[Initial experiences with the development of a psychiatric consultation service in relation to "psychiatry in crises situations"] Saameli W. **Schweiz Arch Neurol Psychiatr** 1986;137(6):71–6 (Eng. Abstr.) **(Ger)**

[Supervision in social psychiatry] Schneider HR. **Soz Praventivmed** 1987;32(3):180–2 (Eng. Abstr.) **(Ger)**

[Work schedule in ambulatory consultation] Hess F. **Z Arztl Fortbild (Jena)** 1986;80(19):795–7 **(Ger)**

[Patient referral between general medicine and ambulatory dermatologic care] Lohfink HD. **Z Arztl Fortbild (Jena)** 1987;81(7):313–5 **(Ger)**

[Possibilities for managing and treating sick children at child day care centers] Friedrich W. **Z Gesamte Hyg** 1987 Feb; 33(2):80–2 (Eng. Abstr.) **(Ger)**

[Status and functions of the unit psychologist at the psychiatric hospital] Heim G. **Z Klin Psychol Psychopathol Psychother** 1986;34(3):261–70 **(Ger)**

[Decisions of the physician in a psychoanalytic interview. Patient characteristics in the initial psychodiagnostic interview] Janta B, et al. **Z Psychosom Med Psychoanal** 1987;33(1):20–31 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic aspects in gynecologic ambulatory care?] Paech R. **Zentralbl Gynakol** 1987;109(9):604–7 (Eng. Abstr.) **(Ger)**

[Referral letters of family physicians to the psychiatric emergency room] Levy A, et al. **Harefuah** 1986 Nov 2; 111(9):229–31 (Eng. Abstr.) **(Heb)**

[Psychiatric consultation: a practice to be avoided?] Pastres P, et al. **Minerva Psichiatr** 1987 Jan–Mar;28(1):1–3 (Eng. Abstr.) **(Ita)**

[Analysis of primary health care consultations. Medical and technical experiences from video tape recordings] Malterud K, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):267–71 (Eng. Abstr.) **(Nor)**

[Value of consultation studies of problem sera in the diagnosis of syphilis] Weyman-Rzucidło D, et al. **Przegl Dermatol** 1986 Nov–Dec;73(6):475–80 (Eng. Abstr.) **(Pol)**

[Organization of patient certification in the polyclinics of a consultative-diagnostic service] Miniaev VA, et al. **Sov Zdravookhr** 1987;(1):22–6 (Eng. Abstr.) **(Rus)**

[Consultation schedule of a professor] Tumasheva NI. **Vestn Dermatol Venerol** 1987;(6):39–40 (Eng. Abstr.) **(Rus)**

[Medical selection of persons being assigned to rest homes and resort boarding houses] Pertsov AI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug; (4):69–71 **(Rus)**

ECONOMICS

The economic cost of alcohol-related health care in New Zealand. Rayner T, et al. **Br J Addict** 1987 Jan;82(1):59–65

Consultation-liaison intervention in somatization disorder. Smith GR Jr, et al. **Hosp Community Psychiatry** 1986 Dec; 37(12):1207–10

Medical-psychiatry units: an economic alternative for consultation-liaison psychiatry? Stoudemire A, et al. **Hosp Community Psychiatry** 1987 Aug;38(8):815–8

Financing of child psychiatry pediatric consultation-liaison programs. Wright HH, et al. **J Dev Behav Pediatr** 1987 Aug;8(4):221–8

Ethical gatekeeping: the ongoing debate [editorial] Brody H. **J Fam Pract** 1986 Dec;23(6):539–40

Gate keeper—points to ponder. Pedigo TL Sr. **J Tenn Med Assoc** 1986 Nov;79(11):691–4

Coping with the gatekeeper. Grad JD. **Va Med** 1986 Nov; 113(11):657–8

Gatekeeping—clinical and administrative issues. Ellsbury KE. **West J Med** 1986 Aug;145(2):254–7

[Costs of psychiatric treatment: a comparative approach to 3 categories of patients] Fischer W, et al. **Soz Praventivmed** 1987;32(3):168–75 (Eng. Abstr.) **(Fre)**

LEGISLATION & JURISPRUDENCE

Recent opinions of the Council on Ethical and Judicial Affairs. AMA Council on Ethical and Judicial Affairs. **Conn Med** 1986 Dec;50(12):831

Referral services can link hospitals with lawsuits. Burda D. **Hospitals** 1987 May 20;61(10):36

Legality of physician referral of patients to health care facilities owned by the referring physician. Register JM, et al. **J Fla Med Assoc** 1986 Sep;73(9):701–5

The approach to sexual assault: medicosocial project. Sharony A, et al. **Med Law** 1987;6(3):251–61

Psychiatric court referrals in Sweden. Averland AM, et al. **Med Sci Law** 1987 Jan;27(1):43–50

[The referral of patients within secondary health services] Molenaar JC. **Ned Tijdschr Geneeskd** 1986 Nov 22; 130(47):2114–5 **(Dut)**

[Responsibility lies with the chief physician. The patient has the right to treatment with specialist standards] **Fortschr Med** 1987 Jun 20;105(21):52 **(Ger)**

[Clinical competence and medical responsibility in rare cases] Esterl D, et al. **Kinderarztl Prax** 1987 Apr;55(4):207–10 (Eng. Abstr.) **(Ger)**

[Medical responsibility—deciding competence in daily medical practice] Mann H, et al. **Z Arztl Fortbild (Jena)** 1986;80(21):911–2 **(Ger)**

METHODS

98% satisfied with consumer-driven referral service. Powills S. **Hospitals** 1986 Oct 5;60(19):84

STANDARDS

The pattern of referral from speech pathologists to child mental health services. Brodie JM. **Aust Clin Rev** 1986 Sep; 6(22):147–50

TRENDS

Patterns of calling time and ipecac availability among poison center callers. Amitai Y, et al. **Am J Dis Child** 1987 Jun; 141(6):622–5

Potential for psychiatric leadership in health care. Eisen P. **Aust NZ J Psychiatry** 1986 Jun;20(2):107–11

The Hereford District Department of Mental Health of the Elderly: a preliminary evaluation. Kyle DR, et al. **Community Med** 1987 Feb;9(1):35–46

Dr., teacher, or comforter? Medical consultation in a Zairian pediatrics clinic. Kornfield R. **Cult Med Psychiatry** 1986 Dec;10(4):367–87

Clinical psychology and general practice: a four year review. Espie CA, et al. **Health Bull (Edinb)** 1986 Sep;44(5):266–73

Patterns of referral for psychiatric consultation at a VA Medical Center. Feldmann TB. **Hosp Community Psychiatry** 1987 May;38(5):525–7

MD influence on consumers waning slightly. Powills S. **Hospitals** 1987 May 5;61(9):44

Employees look to Ryder for MD referrals. Powills S. **Hospitals** 1987 May 5;61(9):74, 76

The service and educational contributions of a general medicine consultation service. Robie PW. **J Gen Intern Med** 1986 Jul–Aug;1(4):225–7

Trends in death and consultation rates of ischemic heart disease in Japan and the risk factors in a rural community. Tanaka H, et al. **Jpn Circ J** 1987 Mar;51(3):306–13

Paramedical consultations: the role of nonphysician health care providers in the care of hospitalized patients. Kroenke K, et al. **Milit Med** 1987 Jul;152(7):342–4

The troubled employee. Employee assistance programs. Masi DA. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):653–65

[Psychiatric consultations in a general hospital] Sirois F, et al. **Can J Psychiatry** 1986 Oct;31(7):630–5 (Eng. Abstr.) **(Fre)**

UTILIZATION

Psychiatric consultations in short-term general hospitals. Wallen J, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):163–8

Opioid users' attitudes towards and use of NHS clinics, general practitioners and private doctors. Bennett T, et al. **Br J Addict** 1986 Dec;81(6):757–63

Ankle sprain: an analysis of hospital referral from family practice. Dunlop MG, et al. **Fam Pract** 1987 Jun;4(2):97–9

Second opinion programs losing strength? Powills S. **Hospitals** 1987 Jun 20;61(12):82, 84

Consultant utilization by family physicians in a university hospital practice. Weiss BD, et al. **J Fam Pract** 1987 Mar; 24(3):283–5

Utilization of a consultation liaison psychiatry service in a general hospital. Gobar AH, et al. **J Natl Med Assoc** 1987 May;79(5):505–8

Differential use of a clinic by Tarahumara Indians and mestizos in the Mexican Sierra Madre. Mull DS, et al. **Med Anthropol** 1985 Summer;9(3):245–64

Utilization of psychiatric consultation with an elderly medically ill inpatient population in a VA hospital. Rosse RB, et al. **Milit Med** 1986 Nov;151(11):583–6

Medical pluralism and infant mortality in a rural area of Bangladesh. Bhardwaj SM, et al. **Soc Sci Med** 1986; 23(10):1003–10

Primary care physician satisfaction with case management. Davidson RC, et al. **West J Med** 1986 Aug;145(2):251–3

[Current status of medical care in a technical school with particular reference to the gynecology specialty] Vollmann D, et al. **Arztl Jugendkd** 1986 Sep;77(4):267–72 (Eng. Abstr.) **(Ger)**

[The incidence of visually impaired drivers seen in ophthalmologic consultation] Harms H, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):431–3 (Eng. Abstr.) **(Ger)**

[Psychiatric consultation service. An analysis of demand and utilization in the Innsbruck general public district hospital (university clinics)] Fleischhacker WW, et al. **Nervenarzt** 1986 Oct;57(10):589–92 **(Ger)**

[Organization of rheumatologic outpatient care in East Germany including epidemiologic aspects] Leistner K, et al. **Z Gesamte Hyg** 1987 Jan;33(1):36–9 (Eng. Abstr.) **(Ger)**

REFLEX

The Breuer-Hering reflex at rest and during electrically induced locomotion in decerebrate cat. Romaniuk JR, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(2–3):141–51

The width of the light reflex on retinal arteries and veins. Brinchmann-Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):433–8

The intensity of the light reflex on retinal arteries and veins. Brinchmann-Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):547–52

Seventy years of the Bainbridge reflex. Hakumäki MO. **Acta Physiol Scand** 1987 Jun;130(2):177–85 (42 ref.)

Role of baroreflex activation in the regional hemodynamic effects of the beta-blockers tertatolol and propranolol in conscious spontaneously hypertensive rats.

Struyker-Boudier HA, et al. **Am J Nephrol** 1986;6 Suppl 2:25–9

Oculocardiac reflex during manipulation of adjustable sutures after strabismus surgery. Vrabec MP, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):61–3

Reflex gastric relaxation in response to distention of the duodenum. De Ponti F, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G595–601

Reflex decreases in intragastric pressure in response to cholecystokinin in rats. Raybould HE, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G165–70

Blood pressure and baroreflex sensitivity in conscious hypertensive rats of Lyon strain. Su DF, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1111–7

Pressoreceptor modulation of renal but not splenic sympathetic reflexes. Tobey JC, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R26–33

Pulmonary edema in dogs fails to cause reflex responses. Wead WB, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H89–99

The Cushing reflex in the absence of intracranial hypertension. Fox JL, et al. **Ann Clin Res** 1986;18 Suppl 47:9–16

Gagging: a chairside approach to control. Hoad-Reddick G. **Br Dent J** 1986 Sep 6;161(5):174–6

A new approach to the reduction of acute dislocation of the temporomandibular joint: a report of three cases. Awang MN. **Br J Oral Maxillofac Surg** 1987 Jun; 25(3):244–9

Endogenous vasopressin and baroreflex mechanisms. Gardiner SM, et al. **Brain Res** 1986 Dec;396(4):317–34 (106 ref.)

Locomotor development and oral reflexes. Sugar M. **Child Psychiatry Hum Dev** 1987 Spring;17(3):141–51

Modulation of slow and fast elbow extensor EMG tonic activity by stretch reflexes in man. Bejaoui K, et al. **Eur J Appl Physiol** 1987;56(1):97–104

Cardiovascular reflexes in multiple sclerosis. Pentland B, et al. **Eur Neurol** 1987;26(1):46–50

Stretch and unloading reflexes in a human hand muscle. Angel RW, et al. **Exp Neurol** 1986 Nov;94(2):348–58

Tendon vibration-induced inhibition of human and cat triceps surae group I reflexes: evidence of selective Ib afferent fiber activation. Hayward LF, et al. **Exp Neurol** 1986 Nov; 94(2):333–47

Proprioceptive reflexes in exodeviations. Prakash P, et al. **Indian J Ophthalmol** 1985 Jul–Aug;33(4):209–11

Problematic gagging: principles of treatment. Ramsay DS, et al. **J Am Dent Assoc** 1987 Feb;114(2):178–83

Ascending pathways mediating somatoautonomic reflexes in exercising dogs. Kozelka JW, et al. **J Appl Physiol** 1987 Mar;62(3):1186–91

Control of breathing in anesthetized dogs by a left-heart baroreflex. Lloyd TC Jr. **J Appl Physiol** 1986 Dec; 61(6):2095–101

Stimulation of groups III and IV phrenic afferents reflexly decreases total lung resistance in dogs. McCallister LW, et al. **J Appl Physiol** 1986 Oct;61(4):1346–51

Diminished baroreflex control of forearm vascular resistance in physically fit humans. Mack GW, et al. **J Appl Physiol** 1987 Jul;63(1):105–10

Analysis of postinspiratory activity of phrenic motoneurons with chemical and vagal reflexes. Prabhakar NR, et al. **J Appl Physiol** 1986 Oct;61(4):1499–509

Preyer reflex in jaundiced rats: central auditory effects. Lenhardt ML. **J Aud Res** 1985 Jul;25(3):161–6

Baroreceptor reflex effect on sympathetic nerve activity in stroke-prone spontaneously hypertensive rats. Luft FC, et al. **J Auton Nerv Syst** 1986 Nov;17(3):199–209

A kinematic and electromyographic study of cutaneous reflexes evoked from the forelimb of unrestrained walking cats. Drew T, et al. **J Neurophysiol** 1987 Apr;57(4):1160–84

Reflex and mechanical contributions to head stabilization in alert cats. Goldberg J, et al. **J Neurophysiol** 1986 Sep; 56(3):857–75

Surface EMG recording of the perioral reflexes: preliminary observations on stutterers and nonstutterers. McClean MD. **J Speech Hear Res** 1987 Jun;30(2):283–7

Involvement of central serotonergic mechanisms in the cough reflex. Kamei J, et al. **Jpn J Pharmacol** 1986 Dec; 42(4):531–8

Inhibition of the human flexion reflex by low intensity, high frequency transcutaneous electrical nerve stimulation (TENS) has a gradual onset and offset. Chan CW, et al. **Pain** 1987 Feb;28(2):239–53

The optomotor response and induced motion of the self. Rock I, et al. **Perception** 1986;15(4):497–502

The nociceptive jaw-opening reflex: evidence for alpha 2 adrenoceptor involvement. Curtis AL, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):437–44

Lung reflexes affecting the larynx in the pig, and the effect of pulmonary microembolism. Aguggini G, et al. **Q J Exp Physiol** 1987 Jan;72(1):95–104

Role of striated sphincter muscle in urethral closure under stress conditions: an experimental study. Heidler H, et al. **Urol Int** 1987;42(3):195–200

[Non-pharmacologic management of perioperative episode of P.S.V.T.] Wang CT, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Jun;23(2):88–92 (Eng. Abstr.) **(Chi)**

[Sudden flexion of arms and respiration-like thoracic movements in a brain-dead patient] Härkönen M. **Duodecim** 1986;102(13):888–90 **(Fin)**

[The birds' cry of alarm: a simple fear reflex?] Gyger M. **Rev Med Suisse Romande** 1987 May;107(5):443–7 **(Fre)**

[Axe blow injuries caused by reflex action?] Bonte W, et al. **Arch Kriminol** 1986 Sep–Oct;178(3–4):65–75 (Eng. Abstr.) **(Ger)**

[Development of the rectal reflex test method by electric stimulation under endoscopy] Kunie K, et al. **Nippon Geka Gakkai Zasshi** 1986 Dec;87(12):1589 **(Jpn)**

[Cardiovascular and respiratory reflexes resulting from capsaicin-stimulated renal afferent receptors in dogs] Ohba H, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1171–7 (Eng. Abstr.) **(Jpn)**

[Clinical study on the oculocardiac reflex] Stoica I, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr–Jun; 32(2):105–19 (Eng. Abstr.) **(Rum)**

[Changes in the jaw-opening reflex during anesthesia resulting from auricular electrostimulation] Dolgikh VG, et al. **Biull Eksp Biol Med** 1987 May;103(5):520–1 (Eng. Abstr.) **(Rus)**

[Reactivity of the human autonomic nervous system based on data on the oculocardiac, carotid sinus and solar reflexes] Os'minin FV, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):679–81 **(Rus)**

[Features of the motor responses of children during the 1st year of life on land and in water] Praznikov VP. **Vestn Akad Med Nauk SSSR** 1987;(4):69–75 (Eng. Abstr.) **(Rus)**

[Specific reactions of infants at risk in the first 3 days of life] Stojčević-Polovina M, et al. **Acta Med Iugosl** 1986; 40(3):189–99 (Eng. Abstr.) **(Scr)**

[Mechanoreceptor sensitivity in the mucosa of the respiratory tract and pleura in cats with carrageenan pleuritis] Giačová D, et al. **Bratisl Lek Listy** 1987 Jan;87(1):24–31 (Eng. Abstr.) **(Slo)**

[Reflex responses in the splenius muscle of the head after tapping in the facial region—electrophysiologic study in healthy persons and patients with central disorders of movement] Lisý L. **Cesk Neurol Neurochir** 1987 Jan; 50(1):30–41 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Selective effect of sufentanil on group III (A delta) and group IV (C) somatosympathetic reflexes. Odensjö Swenzon G, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):545–8

Intrathecal noradrenaline has a dose-dependent inhibitory or facilitatory effect on the flexion reflex in the rat. Wiesenfeld-Hallin Z. **Acta Physiol Scand** 1987 Jul; 130(3):507–11

Cardiorespiratory inhibitory reflex induced by intravenous administration of acetaldehyde in rats. Brugere S, et al. **Alcohol** 1986 Sep–Oct;3(5):317–22

Pulmonary depressor reflex elicited by capsaicin in conscious intact and lung-denervated dogs. Clifford PS, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R394–7

Bicuculline blocks an inhibitory baroreflex input to supraoptic vasopressin neurons. Jhamandas JH, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R947–52

Activation of vagal depressor reflexes by atriopeptins inhibits renal sympathetic nerve activity. Thorén P, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1252–9

Cardiovascular actions of vasopressin: baroreflex modulation in the conscious rat. Webb RL, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1244–51

Stimulation of C fibers by ammonia vapor triggers mucociliary defense reflex. Lindberg S, et al. **Am Rev Respir Dis** 1987 May;135(5):1093–8

Ventilation and the oculocardiac reflex [letter] Blanc VF. **Anaesthesia** 1987 Mar;42(3):324–6

Cardiovascular responses to face immersion (the diving reflex) in human beings after alcohol consumption. Wittmers LE Jr, et al. **Ann Emerg Med** 1987 Sep; 16(9):1031–6

Effects of local injection of the alpha 2-adrenergic agonist clonidine into the locus coeruleus complex on the gain of vestibulospinal and cervicospinal reflexes in decerebrate cats. Pompeiano O, et al. **Arch Ital Biol** 1987 Jul; 125(3):225–69

Morphine subtracts subcomponents of haloperidol-isolated postural support reflexes to reveal gradients of their integration. Pellis SM, et al. **Behav Neurosci** 1986 Oct; 100(5):631–46

Forelimb placing and hopping reflexes in haloperidol- and morphine-treated cataleptic rats. Wolgin DL. **Behav Neurosci** 1985 Jun;99(3):423–35

GABAergic modulation of a substance P-mediated reflex of slow time course in the isolated rat spinal cord. Akagi H, et al. **Br J Pharmacol** 1987 May;91(1):189–97

The contributions of mu-, delta- and kappa-opioid receptors to the actions of endogenous opioids on spinal reflexes in the rabbit. Clarke RW, et al. **Br J Pharmacol** 1987 Jul; 91(3):579–89

Muscarinic and nicotinic mechanisms in the responses of the adrenal medulla of the dog and cat to reflex stimuli and to cholinomimetic drugs. Critchley JA, et al. **Br J Pharmacol** 1986 Dec;89(4):831–5

Comparison of the effects of substance P, neurokinin A, physalaemin and eledoisin in facilitating a nociceptive reflex in the rat. Cridland RA, et al. **Brain Res** 1986 Aug 27;381(1):93–9

Studies in suppression of nocifensive reflexes measured with tail flick electromyograms and using intrathecal drugs in barbiturate anesthetized rats. Peets JM, et al. **Brain Res** 1987 Jul 28;416(2):301–7

Barbiturate-induced inhibition of a spinal nociceptive reflex: role of GABA mechanisms and descending modulation. Stein C, et al. **Brain Res** 1987 Mar 31;407(2):307–11

Does nalbuphine reverse opioid obtuned laryngeal reflexes? [letter] Samson B, et al. **Can Anaesth Soc J** 1986 Nov; 33(6):825–6

Central effect of captopril on baroreflex. Takeda K, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):329–35

Effects of age on the axon reflex response to noxious chemical stimulation. Helme RD, et al. **Clin Exp Neurol** 1986; 22:57–61

Effect of acute ethanol administration on the baroreceptor reflex control of heart rate in normotensive human volunteers. Abdel-Rahman AR, et al. **Clin Sci** 1987 Jan; 72(1):113–22

Do antidepressants cause postural hypotension by blocking cardiovascular reflexes? Middleton HC, et al. **Eur J Clin Pharmacol** 1987;31(6):647–53

Bradykinin analogue blocks bradykinin-induced inhibition of a spinal nociceptive reflex in the rat. Laneuville O, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):281–5

Reflex regulation of the circulation after stimulation of cardiac receptors by prostaglandins. Hintze TH. **Fed Proc** 1987 Jan;46(1):73–80 (61 ref.)

Sensitization of cardiac vagal afferent reflexes at the sensory receptor level: an overview. Mark AL. **Fed Proc** 1987 Jan; 46(1):36–40 (30 ref.)

Drug-induced piloerection in man: an alpha 1-adrenoceptor agonist effect? Stephens MD. **Hum Toxicol** 1986 Sep; 5(5):319–24 (45 ref.)

Felodipine, blood pressure, and cardiovascular reflexes in hypertensive humans. Smith SA, et al. **Hypertension** 1986 Dec;8(12):1172–8

Reflex cardiorespiratory responses to pulmonary vascular congestion. Wead WB, et al. **J Appl Physiol** 1987 Mar; 62(3):870–9

Direct cardiac actions of phenylephrine when used in assessment of baroreflex function in the rat. Sawyer R, et al. **J Auton Pharmacol** 1986 Sep;6(3):215–7

Effects of ketanserin on hemodynamics and baroreflex effects in conscious spontaneously hypertensive rats. Smits JF, et al. **J Cardiovasc Pharmacol** 1987 Jul;10(1):1–8

Influence of beta-aminopropionitril on media hypertrophy and baroreceptor reflex in normotensive and hypertensive rats. Fischer M, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S527–31

Spinal and supraspinal components of GABAergic inhibition of the micturition reflex in rats. Maggi CA, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):998–1005

Acute effects of captopril on the baroreflex of normotensive and spontaneously hypertensive rats. Takeda K, et al. **Jpn Heart J** 1986 Jul;27(4):511–21

Effects of methysergide on the cough reflex. Kamei J, et al. **Jpn J Pharmacol** 1986 Nov;42(3):450–2

Naloxonazine and opioid-induced inhibition of reflex urinary bladder contractions. Dray A, et al. **Neuropharmacology** 1987 Jan;26(1):67–74

Mu and delta opioid ligands inhibit reflex contractions of the urinary bladder in the rat by different central mechanisms. Dray A, et al. **Neuropharmacology** 1987 Jul; 26(7A):753–9

Selective tolerance of group III and IV somatosympathetic reflexes to the effects of alfentanil. Swenzen GO, et al. **Neuropharmacology** 1986 Dec;25(12):1379–85

Morphine-sensitive late components of the flexion reflex in the neonatal rat. Hori Y, et al. **Neurosci Lett** 1987 Jul 9; 78(1):91–6

A blood-borne factor from food-satiated Aplysia, suppresses the gill withdrawal reflex in in vitro preparations from unsatiated animals. Lukowiak K. **Neurosci Lett** 1987 Jun 15;77(2):205–8

Intrathecal diazepam suppresses nociceptive reflexes and potentiates electroacupuncture effects in pentobarbital-anesthetized rats. Pomeranz B, et al. **Neurosci Lett** 1987 Jun 26;77(3):316–20

The effects of morphine administered intrathecally on the somatosympathetic reflex discharges in anesthetized cats. Sato A, et al. **Neurosci Lett** 1986 Nov 21;71(3):345–50

Supraspinal and spinal mechanisms in morphine-induced inhibition of reflex urinary bladder contractions in the rat. Dray A, et al. **Neuroscience** 1987 Jul;22(1):281–7

Aminoglycoside-induced blockade of reflex activity in the isolated spinal cord from the neonatal rat. Tolliver JM, et al. **Neurotoxicology** 1987 Summer;8(2):255–67

Reflex inhibition of efferent renal sympathetic nerve activity by 5-hydroxytryptamine and nicotine is elicited by different epicardial receptors. Mohr B, et al. **Pflugers Arch** 1987 Jun;409(1–2):145–51

Lack of tolerance or withdrawal effects in mice after chronic administration of the non-sedating anxiolytic, CGS 9896. Boast CA, et al. **Pharmacol Biochem Behav** 1987 Mar; 26(3):601–6

Anisomycin does not disrupt the activation of penile reflexes by testosterone in rats. Meisel RL, et al. **Physiol Behav** 1986;37(6):951–6

Pharmacological subtraction of the sensory controls over grasping in rats. Pellis SM, et al. **Physiol Behav** 1987; 39(1):127–33

Antagonistic effects of some metabolites and analogues of mianserin on serotonin and alpha 1- and alpha 2-adrenergic receptors in the flexor reflex model in vivo. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb;38(1):69–75

Intrathecal beta-funaltrexamine (beta-FNA) is a long acting agonist in the mouse abdominal stretch test. Heyman JS, et al. **Proc West Pharmacol Soc** 1987;30:209-10

Intrathecal administration of pentobarbital and THIP: evidence for descending excitatory and inhibitory modulation of a spinal reflex. Morgan MM, et al. **Proc West Pharmacol Soc** 1987;30:249-51

Behavioral interactions of ethanol and methylxanthines. Dar MS, et al. **Psychopharmacology (Berlin)** 1987;91(1):1-4

Hexamethonium aerosol prevents pulmonary reflexes induced by cigarette smoke in dogs. Lee LY, et al. **Respir Physiol** 1986 Dec;66(3):303-14

Reflex sympathetic inhibition of colonic motility in the cat. Hallerbäck B, et al. **Scand J Gastroenterol** 1987 Mar; 22(2):141-8

Direct and reflex cardiovascular effects of trichothecene mycotoxins. Bubien JK, et al. **Toxicon** 1987;25(3):325-31

[Effects of flunitrazepam on the baroreflex control of heart rate and on adrenergic activity] Gauzit R, et al. **Ann Fr Anesth Reanim** 1987;6(4):347-51 (Eng. Abstr.) **(Fre)**

[Central inhibitory effect of intravenous ketoprofen on the nociceptive flexion reflex in man] Willer JC, et al. **Presse Med** 1987 Jan 24;16(2):63-7 (Eng. Abstr.) **(Fre)**

[Pharmacologic and metabolic interactions between alcohol and promethazine] Sharkawi M, et al. **Union Med Can** 1987 Feb;116(2):105-8 (Eng. Abstr.) **(Fre)**

[Elimination of the obturator reflex with prilocaine in transurethral resection of bladder tumors in combination with spinal and general anesthesia] Schwilick R, et al. **Reg Anaesth** 1987 Apr;10(2):65-9 (Eng. Abstr.) **(Ger)**

[Effects of halothane on cardiac sympathetic activity and baroreflex] Kimura T, et al. **Masui** 1987 Mar;36(3):363-9 (Eng. Abstr.) **(Jpn)**

[Effects of opiate and opioid peptides administered intrathecally on the pain threshold and micturition reflex in rats] Okada M, et al. **Masui** 1986 Jun;35(6):877-84 (Eng. Abstr.) **(Jpn)**

[The effect of nitrous oxide on somato-sympathetic reflexes] Saito H, et al. **Masui** 1986 Dec;35(12):1770-7 (Eng. Abstr.) **(Jpn)**

[Effect of terodiline hydrochloride on the function of urinary bladder in rats] Abe M, et al. **Nippon Yakurigaku Zasshi** 1987 May;89(5):291-8 (Eng. Abstr.) **(Jpn)**

[Effects of 3-methyl-4-oxo-2-phenyl-N-[2-piperidinyl) ethyl]-4H-1-benzopyran-8-carboxyamide hydrochloride monohydrate (FL-155), a new anti-pollakiuria agent, on rhythmic bladder contractions in anesthetized rats] Morikawa K, et al. **Nippon Yakurigaku Zasshi** 1986 Nov; 88(5):355-61 (Eng. Abstr.) **(Jpn)**

[Atropine premedication in peroral endoscopy. Is it reducing the vagal reflex?] Mangschau A, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17-18):1492-4 (Eng. Abstr.) **(Nor)**

[Effect of tyramine on the spinal cord afferent link of pressor reflexes] Karagulova GO, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):266-8 (Eng. Abstr.) **(Rus)**

[Participation of the baroreceptor reflex in the hypotensive effect of clofelin in hypertensive patients] Shliakhto EV, et al. **Farmakol Toksikol** 1987 Jan-Feb;50(1):91-4 (Eng. Abstr.) **(Rus)**

[Use of behavioral studies in hygienic studies of plant growth regulators] Arutiunian SA, et al. **Gig Sanit** 1987 Apr; (4):50-1 **(Rus)**

[Method for studying the function of the olfactory analyzer in white rats using the respiratory reflex] Kostrodymov NN, et al. **Gig Sanit** 1986 Jul;(7):50-2 **(Rus)**

[Inhibitory action of dopamine on excitatory transmission in the isolated spinal cord of the rat] Oksamitnyl VN, et al. **Neirofiziologiia** 1986;18(5):616-21 (Eng. Abstr.) **(Rus)**

[Baroreflex regulation of circulation in essential hypertension patients treated with anaprilin] Almazov VA, et al. **Ter Arkh** 1986;58(11):25-9 (Eng. Abstr.) **(Rus)**

[Orientation-exploratory reaction of mice with different genotypes after injection of the ACTH4-10 fragment] Voznesenskaia VV, et al. **Zh Vyssh Nerv Deiat** 1987 Jan-Feb;37(1):174-6 **(Rus)**

[Apneic laryngeal chemoreflex and naloxone] Jiménez-Vargas J, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):371-7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The light reflex in retinal vessels and its relation to age and systemic blood pressure. Brinchmann-Hansen O, et al. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):206-12

The role of the locus coeruleus in the gain regulation of vestibulospinal reflexes. Pompeiano O, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):404-9

Reflex changes in sympathetic nerve activity during mechanical ventilation with PEEP in sino-aortic denervated rats. Selldén H, et al. **Acta Physiol Scand** 1987 May;130(1):15-24

Short and long latency reflexes in human muscles following electrical and mechanical stimulation. Tarkka IM. **Acta Physiol Scand [Suppl]** 1986;557:1-32

Multiple sources of outflow in processing spatial information. Bridgeman B. **Acta Psychol (Amst)** 1986 Dec;63(1-3):35-48

Changes in neuromuscular reflexes in the masseter muscles during functional jaw orthopedic treatment in children. Carels C, et al. **Am J Orthod Dentofacial Orthop** 1986 Nov; 90(5):410-9

Renal pressor reflex: involvement of sympathetic vasoconstrictor mechanisms. Faber JE, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1147-58

Aortic baroreceptor reflexes are mediated by NMDA receptors in caudal ventrolateral medulla. Gordon FJ. **Am J Physiol** 1987 Mar;252(3 Pt 2):R628-33

Prevention of reflex natriuresis after acute unilateral nephrectomy by neonatal administration of MSG. Lin SY, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F276-82

Exacerbation of central baroreflex impairment in Dahl rats by high-salt diets. Miyajima E, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H402-9

Aortic arch reflex control of total systemic vascular capacity. Shoukas AA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H598-603

Reflex regulation of atrioventricular conduction. Warner MR, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1077-85

Reflex decrease of histamine-induced bronchoconstriction after laryngeal stimulation in humans. Michoud MC, et al. **Am Rev Respir Dis** 1987 Sep;136(3):618-22

Effects of thalamic sensory relay nucleus stimulation on the jaw-opening reflex in response to tooth-pulp stimulation in the cat. Tsubokawa T, et al. **Appl Neurophysiol** 1986; 49(4):229-36

Cardiovascular reactivity in adult rats pretreated at a suckling age with intracerebroventricular 6-hydroxydopamine. Takishita S, et al. **Arch Int Pharmacodyn Ther** 1986 Dec; 284(2):267-75

Cardiovascular reflexes during isometric exercise--role of muscle mass and gravitational stress. Sadamoto T, et al. **Aviat Space Environ Med** 1987 Mar;58(3):211-7

Orienting response and detection of thalamic stimulation: mechanism of perceptual learning in the cat. Bourassa CM, et al. **Behav Neurosci** 1985 Apr;99(2):381-4

Habituation of the shortening reflex in the medicinal leech. Lockery SR, et al. **Behav Neurosci** 1985 Apr;99(2):333-41

Quantitative analysis of the relation between gill amplitude and siphon duration in the defensive withdrawal reflex of Aplysia. Stopfer M, et al. **Behav Neurosci** 1987 Apr; 101(2):292-5

Behavioral assessment of lines of Drosophila melanogaster selected for central excitation. Vargo M, et al. **Behav Neurosci** 1985 Apr;99(2):323-32

Quantitative assessment of the Moro reflex: an attempt to identify infants at risk for SIDS? Pucher G, et al. **Biomed Tech (Berlin)** 1987 May;32(5):112-7

Stretch and vibration reflexes of wrist flexor muscles in spasticity. Cody FW, et al. **Brain** 1987 Apr;110 (Pt 2):433-50

Long-latency spinal reflex in man after flexor reflex afferent stimulation. Roby-Brami A, et al. **Brain** 1987 Jun;110 (Pt 3):707-25

Suppression of the jaw-opening reflex by periaqueductal gray stimulation is decreased by paramedian brainstem lesions. Chung RY, et al. **Brain Res** 1987 Feb 10;403(1):172-6

Obstruction of the swing phase during gait: phase-dependent bilateral leg muscle coordination. Dietz V, et al. **Brain Res** 1986 Oct 1;384(1):166-9

Dorsal horn cells in the cat responding to stimulation of the plantar cushion. Egger MD, et al. **Brain Res** 1986 Sep 24; 383(1-2):68-82

Location of the reflex centre for straining elicited by activation of pelvic afferent fibres of decerebrate dogs. Fukuda H, et al. **Brain Res** 1986 Aug 20;380(2):287-96

Role of excitatory amino acids in rat vagal and sympathetic baroreflexes. Guyenet PG, et al. **Brain Res** 1987 Mar 31; 407(2):272-84

Effect of spinal norepinephrine depletion on descending inhibition of the tail flick reflex from the locus coeruleus and lateral reticular nucleus in the rat. Janss AJ, et al. **Brain Res** 1987 Jan 1;400(1):40-52 (64 ref.)

Effect of catecholamines on the swallowing reflex after pressure microinjections into the lateral solitary complex of the medulla oblongata. Kessler JP, et al. **Brain Res** 1986 Oct 29;386(1-2):69-77

Intercostal muscles and purring in the cat: the influence of afferent inputs. Kirkwood PA, et al. **Brain Res** 1987 Mar 3;405(1):187-91

Anticipatory and reflex coactivation of antagonist muscles in catching. Lacquaniti F, et al. **Brain Res** 1987 Mar 17; 406(1-2):373-8

Characterization of the very late cardiosympathetic A-reflex in high-mesencephalic cats. Lukoshkova EV, et al. **Brain Res** 1987 Jun 2;412(2):357-62

The contribution of capsaicin-sensitive innervation to activation of the spinal vesico-vesical reflex in rats: relationship between substance P levels in the urinary bladder and the sensory-efferent function of capsaicin-sensitive sensory neurons. Maggi CA, et al. **Brain Res** 1987 Jul 7;415(1):1-13

Somatovesical and vesicovesical excitatory reflexes in urethane-anaesthetized rats. Maggi CA, et al. **Brain Res** 1986 Aug 13;380(1):83-93

Centrifugal modulation of the rat tail flick reflex evoked by graded noxious heating of the tail. Ness TJ, et al. **Brain Res** 1986 Oct 29;386(1-2):41-52

Effects of aortic nerve stimulation on cervical sympathetic preganglionic neurones in the rat. Numao Y, et al. **Brain Res** 1987 Jan 13;401(1):190-4

Facilitation of baroreflex-induced bradycardia by stimulation of specific hypothalamic sites in the rat. Pardini BJ, et al. **Brain Res** 1986 Oct 8;384(2):274-81

Vestibulo-ocular reflex (VOR) induced by passive head rotation and goal-directed saccadic eye movements do not simply add in man. Pelisson D, et al. **Brain Res** 1986 Aug 20;380(2):397-400

Vestibular contribution to the orientation of cervico-ocular reflex in rabbit. Pettorossi VE, et al. **Brain Res** 1987 Feb 10;403(1):58-65

Spinal opiate modulation of cardiovascular reflexes in the exercising dog. Pomeroy G, et al. **Brain Res** 1986 Sep 3; 381(2):385-9

Angiotensin II excites neurones in cat solitary tract nuclei which are involved in respiration and related reflex activities. Sessle BJ, et al. **Brain Res** 1987 Mar 24; 407(1):163-7

Supraspinal involvement in the phrenic-to-phrenic inhibitory reflex. Speck DF. **Brain Res** 1987 Jun 23;414(1):169-72

Selective mechanical stimulation of an identified proprioceptor in freely moving locusts: role of resistance reflexes in active posture. Zill SN. **Brain Res** 1987 Aug 4;417(1):195-8

Estimation of sinoaortic baroreceptor heart rate reflex sensitivity and latency in man: a new microcomputer assisted method of analysis. Smith SA, et al. **Cardiovasc Res** 1986 Dec;20(12):877-82

Cardiovascular reflexes mediated by capsaicin sensitive cardiac afferent neurones in the dog. Staszewska-Woolley J, et al. **Cardiovasc Res** 1986 Dec;20(12):897-906

Prostaglandins contribute to cardiovascular reflexes evoked by static muscular contraction. Stebbins CL, et al. **Circ Res** 1986 Dec;59(6):645-54

Sodium balance and the reflex regulation of baroreceptor function. Ferrario CM, et al. **Circulation** 1987 Jan;75(1 Pt 2):I141-8

Sympathetic reflex control of skeletal muscle blood flow in patients with congestive heart failure: evidence for beta-adrenergic circulatory control. Kassis E, et al. **Circulation** 1986 Nov;74(5):929-38

In search of afferent pathways of a cardiogenic hypertensive chemoreflex. Thames MD, et al. **Circulation** 1987 Mar; 75(3):643-50

Long-latency reflex activity in squirrel monkeys with occlusion of the middle cerebral artery. Lenz FA, et al. **Electroencephalogr Clin Neurophysiol** 1987 Sep; 67(3):238-46

A long latency reflex monitored on the mastoid surface. Eke-Okoro ST. **Electromyogr Clin Neurophysiol** 1987 Apr-May;27(3):169-71

Postural neck reflexes involving the lower limb extensor motoneurons in man. Rossi A, et al. **Electromyogr Clin Neurophysiol** 1987 Jun-Jul;27(4):195-201

Short and long latency cutaneo-muscular reflexes: a normative study. Tarkka IM, et al. **Electromyogr Clin Neurophysiol** 1987 Apr-May; 27(3):155-61

The tonic vibration reflex of the musculus quadriceps femoris can be used to measure the change in tonus of the postural type. Vermeersch D, et al. **Electromyogr Clin Neurophysiol** 1986 Oct-Nov;26(7):481-7

Effect of posture on arterial baroreflex control of heart rate in humans. Harrison MH, et al. **Eur J Appl Physiol** 1986; 55(4):367-73

Mechanically induced reflex responses in human triceps brachii. Tarkka IM. **Eur J Appl Physiol** 1986;55(4):401-4

Cardiovascular reflexes in Parkinson's disease. Turkka JT, et al. **Eur Neurol** 1987;26(2):104-12

Modulation by eye position of neck muscle contraction evoked by electrical labyrinthine stimulation in the alert cat. Denise P, et al. **Exp Brain Res** 1987;67(2):411-9

Dynamic properties of the vertical otolith neck reflexes in the alert cat. Lacour M, et al. **Exp Brain Res** 1987; 65(3):559-68

Reflex pathways from group II muscle afferents. 3. Secondary spindle afferents and the FRA: a new hypothesis. Lundberg A, et al. **Exp Brain Res** 1987; 65(2):294-306

Reflex pathways from group II muscle afferents. 2. Functional characteristics of reflex pathways to alpha-motoneurones. Lundberg A, et al. **Exp Brain Res** 1987;65(2):282-93

Reflex pathways from group II muscle afferents. 1. Distribution and linkage of reflex actions to alpha-motoneurones. Lundberg A, et al. **Exp Brain Res** 1987;65(2):271-81

Reflex responses of motor units in human masseter muscle to electrical stimulation of the lip. Miles TS, et al. **Exp Brain Res** 1987;65(2):331-6

Decomposition of the human electromyogramme in an inhibitory reflex. Miles TS, et al. **Exp Brain Res** 1987; 65(2):337-42

Automatic postural responses in the cat: responses of proximal and distal hindlimb muscles to drop of support from a single hind- or forelimb. Rushmer DS, et al. **Exp Brain Res** 1987;65(3):527-37

Characteristics of reflex excitation in close synergist muscles evoked by muscle vibration. Stuart GJ, et al. **Exp Brain Res** 1986;65(1):127-34

M.I.T./Canadian vestibular experiments on the Spacelab-1 mission: 3. Effects of prolonged weightlessness on a human otolith-spinal reflex. Watt DG, et al. **Exp Brain Res** 1986; 64(2):308-15

Effect of various vagotomy procedures on the reaction to hypoxia of rabbit neuroepithelial bodies: modulation by

intrapulmonary axon reflexes? Lauweryns JM, et al. **Exp Lung Res** 1986;11(4):319–39

Discharge rate and reflex responses of fusimotor neurons during muscle ischemia. Anastasijević R, et al. **Exp Neurol** 1987 Aug;97(2):340–4

Ontogeny of immobility reactions elicited by clamping, bandaging, and maternal transports in rats. de-la-Cruz F, et al. **Exp Neurol** 1987 Aug;97(2):315–26

Electrically evoked responses of the human external oblique abdominal muscle. Kondo T, et al. **Exp Neurol** 1987 Feb; 95(2):336–56

Reflex responses evoked from cats' coccygeal ventral roots by electrical stimulation of the tail nerves. Martinez-Gomez M, et al. **Exp Neurol** 1987 Apr;96(1):11–8

Ventral root potentials of the cat's sacrococcygeal segments evoked by stimulation of intact and transected dorsal roots. Pacheco P, et al. **Exp Neurol** 1987 Apr;96(1):1–10

Tooth pulp-evoked activity in the spinal trigeminal nucleus caudalis of cat: comparison to primary afferent fiber, reflex, and sensory responses. Pertovaara A, et al. **Exp Neurol** 1987 Jan;95(1):155–66

Effect of experimentally elicited rhythmic oral activity on the linguodigastric reflex in the lightly anesthetized rabbit. Thexton AJ, et al. **Exp Neurol** 1987 Apr;96(1):104–17

Pain reflexes in the clinical assessment of migraine syndromes. Sandrini G, et al. **Funct Neurol** 1986 Oct-Dec;1(4):423–9

An intrinsic neural pathway for long intestino-intestinal inhibitory reflexes. Frantzides CT, et al. **Gastroenterology** 1987 Mar;92(3):594–603

Neurotransmitters in "the smoke reflex" in rabbitsKaada B. **Gen Pharmacol** 1987;18(1):61–8

Autonomic dysfunction in adult migraineurs. Havanka-Kanniainen H, et al. **Headache** 1986 Sep; 26(8):425–30

Cardiovascular reflexes in young migraine patients. Havanka-Kanniainen H, et al. **Headache** 1986 Sep; 26(8):420–4

Cardiovascular reflex responses during migraine attack. Havanka-Kanniainen H. **Headache** 1986 Oct;26(9):442–6

Cardiovascular reflexes and plasma noradrenaline levels in migraine patients before and during nimodipine medication. Havanka-Kannianinen H, et al. **Headache** 1987 Jan; 27(1):39–44

The tensor tympani muscle reflex in the mouse. Horner KC. **Hear Res** 1986;24(2):117–23

Comparative study of visual and auditory reaction time of hands and feet in males and females. Misra N, et al. **Indian J Physiol Pharmacol** 1985 Oct-Dec;29(4):213–8

Baroreflex control of heart rate after immediate and prolonged pressure reduction with urapidil in conscious normotensive and spontaneously hypertensive rats. Kobrin I, et al. **Isr J Med Sci** 1986 Jun;22(6):438–41

Responses of sympathetic nerves to programmed ventricular stimulation. Herre JM, et al. **J Am Coll Cardiol** 1987 Jan; 9(1):147–53

Theoretical considerations in regard to the demonstration of musculoskeletal and cardiovascular interactions. Rogers FJ. **J Am Osteopath Assoc** 1987 Jan;87(1):121–4

Gonadotropin releasing hormone-induced secretion of luteinizing hormone during the milk-ejection reflex in the postpartum beef cow. Jaeger JR, et al. **J Anim Sci** 1987 Aug;65(2):543–7

Cervical preganglionic sympathetic nerve activity and chemoreflexes in the cat. Matsumoto S, et al. **J Appl Physiol** 1987 Apr;62(4):1713–20

Involvement of gastrointestinal mechano- and intestinal chemoreceptors in vagal reflexes: an electrophysiological study. Blackshaw LA, et al. **J Auton Nerv Syst** 1987 Mar; 18(3):225–34

Effect of spontaneous exercise on reflex slowing of the heart in decerebrate cats. Hobbs SF, et al. **J Auton Nerv Syst** 1986 Dec;17(4):303–12

Study of possible transmitters in the solitary tract nucleus of the cat involved in the carotid sinus baro- and chemoreceptor reflex. Miura M, et al. **J Auton Nerv Syst** 1987 Jun;19(3):179–88

Relationship of cardiac chamber volume to baroreflex activity in normal humans. Nabel EG, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):475–81

A reflex behavior mediated by monosynaptic connections between hair afferents and motoneurons in the larval tobacco hornworm, Manduca sexta. Weeks JC, et al. **J Comp Physiol [A]** 1987 Mar;160(3):315–29

Microcomputer methods for measuring the silent period of the masseter electromyogram after the jaw jerk reflex. Barker GR, et al. **J Dent** 1986 Apr;14(2):57–61

The effect of sectioning the trigeminal sensory root on the periodontally-induced jaw-opening reflex. Collier TG, et al. **J Dent Res** 1987 Oct;66(10):1533–7

A case of swallow syncope induced by vagotonic visceral reflex resulting in atrioventricular node suppression. Nakagawa S, et al. **J Electrocardiol** 1987 Jan;20(1):65–9

The relationship between long latency responses and height. Claus D, et al. **J Neurol** 1986 Oct;233(5):271–3

Afferents for the human corneal reflex. Cruccu G, et al. **J Neurol** 1987 Jan;234(1):64

Electrophysiological observations on the human pudendo-anal reflex. Varma JS, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1411–6

Pain in sciatica depresses lower limb nociceptive reflexes to sural nerve stimulation. Willer JC, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):1–5

Cardiovascular reflex tests. Assessment of age-adjusted normal range. Vita G, et al. **J Neurol Sci** 1986 Oct; 75(3):263–74

Lateral tegmental field neurons of cat medulla: a source of basal activity of ventrolateral medullospinal sympathoexcitatory neurons. Barman SM, et al. **J Neurophysiol** 1987 May;57(5):1410–24

Single-unit responses and reflex effects of force-sensitive mechanoreceptors of the dactyl of the crab. Libersat F, et al. **J Neurophysiol** 1987 May;57(5):1601–17

Cat hindlimb motoneurons during locomotion. IV. Participation in cutaneous reflexes. Loeb GE, et al. **J Neurophysiol** 1987 Feb;57(2):563–73

Responses of interneurons in the cat cervical cord to vestibular tilt stimulation. Schor RH, et al. **J Neurophysiol** 1986 Oct;56(4):1147–56

A reexamination of the gain of the vestibuloocular reflex. Viirre E, et al. **J Neurophysiol** 1986 Aug;56(2):439–50

Operant conditioning of primate spinal reflexes: the H-reflex. Wolpaw JR. **J Neurophysiol** 1987 Feb;57(2):443–59

Forward and backward classical conditioning of the flexion reflex in the spinal cat. Durkovic RG, et al. **J Neurosci** 1986 Oct;6(10):2921–5

Development of learning and memory in Aplysia. III. Central neuronal correlates. Nolen TG, et al. **J Neurosci** 1987 Jan; 7(1):144–53

Development of learning and memory in Aplysia. I. Functional assembly of gill and siphon withdrawal. Rankin CH, et al. **J Neurosci** 1987 Jan;7(1):120–32

Development of learning and memory in Aplysia. II. Habituation and dishabituation. Rankin CH, et al. **J Neurosci** 1987 Jan;7(1):133–43

Multiple sensory neuronal correlates of site-specific sensitization in Aplysia. Walters ET. **J Neurosci** 1987 Feb; 7(2):408–17

Site-specific sensitization of defensive reflexes in Aplysia: a simple model of long-term hyperalgesia. Walters ET. **J Neurosci** 1987 Feb;7(2):400–7

Cephalic reflexes: their role in digestion and possible roles in absorption and metabolism. Giduck SA, et al. **J Nutr** 1987 Jul;117(7):1191–6 (71 ref.)

A descriptive analysis of involuntary bearing-down efforts during the expulsive phase of labor. Roberts JE, et al. **J Obstet Gynecol Neonatal Nurs** 1987 Jan-Feb;16(1):48–55

Assessment of hindgut function in premature newborns. Garstin WI, et al. **J Pediatr Surg** 1987 Apr;22(4):353–5

Rapid resetting of rabbit aortic baroreceptors and reflex heart rate responses by directional changes in blood pressure. Burke SL, et al. **J Physiol (Lond)** 1986 Sep;378:391–402

Modification by lung inflation of the vascular responses from the carotid body chemoreceptors and other receptors in dogs. Daly MD, et al. **J Physiol (Lond)** 1986 Sep;378:13–30

Regulation of the milk ejection reflex in the rat. Dyball RE, et al. **J Physiol (Lond)** 1986 Nov;380:239–56

A permissive role for the vagus nerves in the genesis of antro-antral reflexes in the anaesthetized ferret. Grundy D, et al. **J Physiol (Lond)** 1986 Dec;381:377–84

Intrinsic reflexes underlying peristalsis in the small intestine of the domestic fowl. Hodgkiss JP. **J Physiol (Lond)** 1986 Nov;380:311–28

Reflex responses in human jaw, lip, and tongue muscles elicited by mechanical stimulation. Weber CM, et al. **J Speech Hear Res** 1987 Mar;30(1):70–9

Penile electrodiagnosis. Value of bulbocavernosus reflex latency versus nerve conduction velocity of the dorsal nerve of the penis in diagnosis of diabetic impotence. Kaneko S, et al. **J Urol** 1987 May;137(5):933–5

Bulbocavernosus reflex to somatic and visceral nerve stimulation in normal subjects and in diabetics with erectile impotence. Sarica Y, et al. **J Urol** 1987 Jul;138(1):55–8

Abnormality of circulatory reflex and aldosterone response during head-up tilting in patients with primary aldosteronism. Suzuki S, et al. **Jpn Heart J** 1986 Nov; 27(6):859–64

Noninvasive measurement of baroreflex sensitivity index using an indirect and continuous blood-pressure recorder. Tochikubo O, et al. **Jpn Heart J** 1986 Nov;27(6):849–57

Ascending and descending pathways of reflex straining in the dog. Fukuda H, et al. **Jpn J Physiol** 1986;36(5):905–20

Temporal and spatial interactions between the carotid sinus and vagally mediated baroreflexes in dogs. Hosomi H, et al. **Jpn J Physiol** 1986;36(6):1165–77

Forgotten symptoms and primitive signs [editorial] **Lancet** 1987 Apr 11;1(8537):841–2

Primitive reflexes in psychiatry [letter] Keshavan MS, et al. **Lancet** 1987 May 30;1(8544):1264

Artificial reflex arc: a potential solution for chronic aspiration. I. Neck skin stimulation triggering strap muscle contraction in the canine. Broniatowski M, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):331–3

Clinical usefulness of the palmomental reflex. Whittle IR, et al. **Med J Aust** 1987 Feb 2;146(3):137–9

Spinal reflex activity in patients with Duchenne, Limb-Girdle and myotonic muscular dystrophies. Sica RE, et al. **Medicina (B Aires)** 1985;45(5):501–7

Habituation of orienting reaction in patients with multiple sclerosis. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1987 Jan-Mar;25(1):29–40

Retention of orienting response extinction in nocturnal enuresis (II). Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1986 Jul-Sep;24(3):167–82

Alpha adrenoceptor modulation of the jaw-opening reflex. Curtis AL, et al. **Neuropharmacology** 1987 Jul; 26(7A):649–55

A. A. Ukhtomskii and the reflex theory of behavior. Kruglikov RI. **Neurosci Behav Physiol** 1986 Sep-Oct; 16(5):363–70

Prolonged C-fibre mediated facilitation of the flexion reflex in the rat is not due to changes in afferent terminal or motoneurone excitability. Cook AJ, et al. **Neurosci Lett** 1986 Sep 25;70(1):91–6

The postnatal development of the ventral root reflex in the rat; a comparative in vivo and in vitro study. Fitzgerald M, et al. **Neurosci Lett** 1987 Jul 9;78(1):41–5

Difference in electromyographic response of finger flexion muscles between tonic vibration reflex and finger flexion reflex induced by finger tip vibration. Kodachi K, et al. **Neurosci Lett** 1987 Apr 10;75(3):303–7

Undiminished reflex responses of adrenal sympathetic nerve activity to stimulation of baroreceptors and cutaneous mechanoreceptors in aged rats. Kurosawa M, et al. **Neurosci Lett** 1987 Jun 15;77(2):193–8

Arginine sensors in the hepato-portal system and their reflex effects on pancreatic efferents in the rat. Tanaka K, et al. **Neurosci Lett** 1986 Dec 3;72(1):69–73

Input-output relations of lobules I and II of the cerebellar anterior lobe vermis in connexion with neck and vestibulospinal reflexes in the cat. Hirai N. **Neurosci Res** 1987 Feb;4(3):167–84

A hierarchy of neural control of mastication in the rat. van Willigen JD, et al. **Neuroscience** 1986 Oct;19(2):447–55

Interobserver agreement in assessment of motor response and brain stem reflexes. Born JD, et al. **Neurosurgery** 1987 Apr; 20(4):513–7

Laryngeal chemoreflex: anatomic and physiologic study by use of the superior laryngeal nerve in the piglet. Goding GS, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):28–38

Effects of nasal and laryngeal stimulation upon peripheral lung function. Jacobs JR, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):298–302

Reflex control of nasal blood vessels. Nishihira S, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):273–7

Effects of nucleus raphe magnus stimulation on jaw-opening reflex and trigeminal brain-stem neurone responses in normal and tooth pulp-deafferented cats. Hu JW, et al. **Pain** 1986 Dec;27(3):349–60

The evolution of primitive reflexes in extremely premature infants. Allen MC, et al. **Pediatr Res** 1986 Dec; 20(12):1284–9

Brainstem sites of cholinergic actions on vestibulospinal reflex gain in cats. Barnes CD, et al. **Proc West Pharmacol Soc** 1987;30:349–52

The role of the aural head shake reflex in serotonin-mediated head shaking behavior. Lucki I, et al. **Psychopharmacology (Berlin)** 1987;92(2):150–6

Blockade of 'alveolar' and airway reflexes by local anesthetic aerosol in dogs. Hamilton RD, et al. **Respir Physiol** 1987 Feb;67(2):159–70

Chemoreflexes in rabbits. Trenchard D. **Respir Physiol** 1986 Dec;66(3):367–86

Reflex control of the human cardiovascular system. Shepherd JT, et al. **Rev Physiol Biochem Pharmacol** 1986;105:1–99 (552 ref.)

Reappearance of Hering-Breuer reflex after bilateral autotransplantation of the lungs. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):15–20

Long-term sensitization in Aplysia: biophysical correlates in tail sensory neurons. Scholz KP, et al. **Science** 1987 Feb 6;235(4789):685–7

The palmomental reflex [letter] Mack EW. **Surg Neurol** 1987 Apr;27(4):403

The palmomental reflex [editorial] Whittle IR, et al. **Surg Neurol** 1986 Nov;26(5):521

Experimental study on the regulation of testicular function by the cremaster reflex in rats. Kojima M, et al. **Tohoku J Exp Med** 1986 Oct;150(2):175–80

Pelvic floor stress response: reflex contraction with pressure transmission to the urethra. Thüroff JW, et al. **Urol Int** 1987;42(3):185–9

Reflex anuria. Songco A, et al. **Urology** 1987 Apr;29(4):432–3

[Resetting of the baroreceptor reflex by electroacupuncture in conscious rabbits] Wang W, et al. **Chen Tzu Yen Chiu** 1986;11(3):181–2 (Eng. Abstr.) **(Chi)**

[Non-invasive study of the role of carotid distension in the baroreflex response to the arteriolar vasodilator cadralazine in essential hypertension] Laurent S, et al. **Arch Mal Coeur** 1986 Jun;79(6):937–41 (Eng. Abstr.) **(Fre)**

[Non-participation of bulbar inspiratory neurons in the esophago-diaphragmatic inhibitory reflex] Marlot D, et al. **C R Acad Sci [III]** 1986;303(11):475–8 (Eng. Abstr.) **(Fre)**

[Cutaneo-muscular reflexes of the human hand. I. Methodologic principles] Berkefeld J, et al. **EEG EMG** 1986 Dec;17(4):189–96 (Eng. Abstr.) **(Ger)**

[Electrically induced cutaneo-muscular reflex from the m. extensor digitorum brevis] Piepenbrock N, et al. **EEG EMG** 1987 Jun;18(2):76–81 (Eng. Abstr.) **(Ger)**

[The bulbocavernosus reflex in controls and patients with potency disorders] Tackmann W, et al. **EEG EMG** 1986 Sep;17(3):147–52 (Eng. Abstr.) **(Ger)**

[Anterior cruciate ligament reflex (LCA reflex)] Grüber J, et al. **Unfallchirurg** 1986 Dec;89(12):551–4 (Eng. Abstr.) **(Ger)**

[Function of the lower urinary tract. 6th report on standardizing terminology. Neurophysiologic studies. Electromyography, nerve conduction velocity, reflex latency, evoked potentials and sensitivity testing] Jonas U, et al. **Z Urol Nephrol** 1987 Feb;80(2):111–6 **(Ger)**

[Interaction of upper airway reflexes and the chemical respiratory control system] Nishino T. **Kokyu To Junkan** 1987 May;35(5):501–8 **(Jpn)**

[Cough reflex in patients after esophageal surgery] Kitamura M, et al. **Kyobu Geka** 1987 May;40(6):481–3 (Eng. Abstr.) **(Jpn)**

[Analysis of basal and stimulated reflex tear volume by an electronic resistance measurement] Kono K. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1097–101 (Eng. Abstr.) **(Jpn)**

[Effects of esophageal distension on canine pancreatic exocrine secretion] Furukawa N. **Nippon Heikatsukin Gakkai Zasshi** 1986 Feb;22(1):21–9 (Eng. Abstr.) **(Jpn)**

[Evoked electrospinogram of the bulbocavernosum reflex recorded from epidural space] Yamaguchi O, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Feb;78(2):260–8 (Eng. Abstr.) **(Jpn)**

[Functional architectonics of neuronal antinociceptive mechanisms during the electroacupuncture method of reflex action] Durinian RA, et al. **Biol Nauki** 1986;(9):49–54 (Eng. Abstr.) **(Rus)**

[Electrophysiological evaluation of the intensity of protective respiratory reflexes] Kulik AM, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):5–8 (Eng. Abstr.) **(Rus)**

[Reactivity of the human autonomic nervous system based on data on the oculocardiac, carotid sinus and solar reflexes] Os'minin FV, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):679–81 **(Rus)**

[Changes in the passive-defense reflexes of white rats exposed to a static electrical field] Perekhrestenko VA. **Fiziol Zh** 1987 Mar–Apr;33(2):79–83 (Eng. Abstr.) **(Rus)**

[Action potentials of cardiomyocytes and spike activity of the neural components of the vagosympathetic reflex after immune damage to the heart] Shaban VM, et al. **Fiziol Zh** 1987 Jan–Feb;33(1):63–8 (Eng. Abstr.) **(Rus)**

[Tonic protective reflexes and reflex response of skeletal muscles] Alatyrev VI, et al. **Fiziol Zh SSSR** 1987 Feb; 73(2):295–301 (Eng. Abstr.) **(Rus)**

[Functions of the small intestinal vessels during the cardiogenic depressor reflex and hyperthermia] Enikeev MV. **Fiziol Zh SSSR** 1986 Sep;72(9):1244–50 (Eng. Abstr.) **(Rus)**

[Changes in the activity of phrenic motor neurons in response to reduced compliance of the abdominal wall (apropos of the significance of the excitatory intercostal–phrenic reflex)] Glebovskil VD, et al. **Fiziol Zh SSSR** 1986 Nov; 72(11):1533–41 (Eng. Abstr.) **(Rus)**

[Reflex changes in pulmonary ventilation after stimulation of tissue receptors with solutions modeling metabolic acidosis] Iartsuev VN. **Fiziol Zh SSSR** 1987 Mar; 73(3):412–7 (Eng. Abstr.) **(Rus)**

[Changes in transcapillary fluid exchange in the small intestine in response to reflex activation of the vagus nerves] Makovskaia VA. **Fiziol Zh SSSR** 1986 Sep; 72(9):1232–6 (Eng. Abstr.) **(Rus)**

[Filtration–absorption function of the vessels of the small intestine in response to reflex effects] Makovskaia VA, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1523–7 (Eng. Abstr.) **(Rus)**

[Functional significance and physiologic mechanisms of the variability of the baroreceptor reflex] Stepochkina NA. **Fiziol Zh SSSR** 1986 Nov;72(11):1473–85 (96 ref.) **(Rus)**

[Macro- and micro-hemocirculatory shifts in the small intestine during pressor reflexes] Tkachenko BI, et al. **Fiziol Zh SSSR** 1987 Feb;73(2):155–62 (Eng. Abstr.) **(Rus)**

[Effect of partial transection of the medulla oblongata on inhibition of the mouth-opening reflex of the cat induced by stimulation of the mesencephalic central gray] Iakhnitsa VA, et al. **Neirofiziologiia** 1987;19(3):362–8 (Eng. Abstr.) **(Rus)**

[Readjustment of the efferent activity of the scratching generator in response to stimulation of muscle afferents of the hindlimb of the decerebrate immobilized cat] Shimanskil IuP, et al. **Neirofiziologiia** 1987;19(3):372–82 (Eng. Abstr.) **(Rus)**

[Readjustment of the efferent activity of the scratching generator in response to stimulation of cutaneous afferents of the hindlimb of the decerebrate immobilized cat] Shimanskil IuP, et al. **Neirofiziologiia** 1987;19(3):382–90 (Eng. Abstr.) **(Rus)**

[Relation between parameters of efferent activity and limb position during fictive scratching in the decerebrate cat] Shimanskil IuP, et al. **Neirofiziologiia** 1986;18(5):636–45 (Eng. Abstr.) **(Rus)**

[Changes in the excitability of motor neurons and synaptic effects on them during formation of the generator of scratching movements in the cat] Zavadskaia TV, et al. **Neirofiziologiia** 1987;19(2):244–51 (Eng. Abstr.) **(Rus)**

[Changes in presynaptic processes during tonic subthreshold activation of the spinal center of scratching movements in the cat] Zavadskaia TV, et al. **Neirofiziologiia** 1987; 19(2):236–43 (Eng. Abstr.) **(Rus)**

[Method for the objective recording of the bulbocavernosus reflex in men] Gorpinchenko II, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):52–4 **(Rus)**

[Organization and suprabulbar control of the baroreceptor reflex arch] Tsyrlin VA. **Usp Fiziol Nauk** 1986 Oct–Dec; 17(4):24–37 (47 ref.) **(Rus)**

[Correlation between cognitive reflex and emotional activities] Stepanenko PZ, et al. **Vrach Delo** 1987 Jul; (7):76–8 (Eng. Abstr.) **(Rus)**

[The reticulo-spinal system. Its role in the regulation of motor reactions in the segmental circuit (long-loop reflexes)] Pavlásek J. **Cesk Fysiol** 1987;36(2):109–25 (114 ref.) **(Slo)**

REFLEX, ABDOMINAL see under **REFLEX**

REFLEX, ABNORMAL

Comparison of Hoffmann reflex with quantitative assessment of cutaneous sensation in diabetic neuropathy. Bertelsmann FW, et al. **Acta Neurol Scand** 1986 Aug;74(2):121–7

The nosological position of the ophthalmoplegia, ataxia and areflexia syndrome: "the spectrum hypothesis". Najim Al-Din AS. **Acta Neurol Scand** 1987 May;75(5):287–94

Relationship between primitive reflexes and severity in Parkinson's disease. Huber SJ, et al. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1298–300

Reversed Chaddock method: a new method to elicit the upgoing great toe [letter] Tashiro K. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1321

The neurological assault on the great toe (1893–1911). Grant R. **Scott Med J** 1987 Apr;32(2):57–9

[Autonomic hyperreflexia] Zaric D, et al. **Ugeskr Laeger** 1986 Oct 13;148(42):2671–3 (Eng. Abstr.) **(Dan)**

[The blink reflex and stimulus detection by the facial nerve in 50 cases of Guillain–Barré polyradiculitis] Neau JP, et al. **Acta Neurol Belg** 1987 Jan–Feb;87(1):12–9 (Eng. Abstr.) **(Fre)**

[Congenital crocodile tear syndrome] Komoto M. **Nippon Rinsho** 1986 Jul;44(7):1666–70 **(Jpn)**

[Electro- and rheoencephalography in reflex neurologic syndromes associated with cervical osteochondrosis] Shchepina TP, et al. **Sov Med** 1987;(1):82–3 **(Rus)**

[Value of the "startle" symptom in predicting the development of epileptic phenomena in infancy] Natriashvili GD, et al. **Zh Nevropatol Psikhiatr** 1987;87(6):821–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Flunitrazepam intoxication simulating a structural brainstem lesion [letter] Deleu D, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):236–7

COMPLICATIONS

Dysfunction of the belch reflex. A cause of incapacitating chest pain. Kahrilas PJ, et al. **Gastroenterology** 1987 Oct; 93(4):818–22

The carotid sinus syndrome: a frequently overlooked cause of syncope in the elderly. Schellack J, et al. **J Vasc Surg** 1986 Oct;4(4):376–83

Adequacy of lactation: dysreflexia vs. maternal nutrition. Jelliffe DB. **Med J Malaysia** 1986 Mar;41(1):77–83

[A case of neurogenic orthostatic hypotension] de Puy Júnior MA. **Rev Med Panama** 1986 Sep;11(3):220–3 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Reproducibility of cardiovascular autonomic tests in diabetics with and without autonomic dysfunction and in normal controls. Comi G, et al. **Acta Diabetol Lat** 1986 Oct–Dec; 23(4):323–9

Reduced intraindividual variability of repeated cardiovascular reflex tests: an additional marker of autonomic neuropathy in insulin-dependent (type I) diabetes mellitus? Krönert K, et al. **Acta Diabetol Lat** 1986 Oct–Dec;23(4):279–89

Spasm of the near reflex associated with organic disease. Dagi LR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):582–5

Spasm of the near reflex associated with organic disease [letter] Rush JA. **Am J Ophthalmol** 1987 Sep 15; 104(3):314–5

Nocturnal myoclonus, restless legs syndrome, and abnormal electrophysiological findings [letter] Martinelli P, et al. **Ann Neurol** 1987 May;21(5):515

Cardiovascular-reflex testing and single-fiber electromyography in botulism. A longitudinal study. Vita G, et al. **Arch Neurol** 1987 Feb;44(2):202–6

Stapedius reflex and cerebellopontine angle tumours. Dauman R, et al. **Clin Otolaryngol** 1987 Apr;12(2):119–23

Blind evaluation of body reflexes and motor skills in learning disability. Freides D, et al. **J Autism Dev Disord** 1980 Jun; 10(2):159–71

Reflex epilepsy. Micheloyannakis J, et al. **J Child Neurol** 1986 Oct;1(4):382–3

The use of mechanical stimulation to obtain the sacral reflex latency: a new technique. Dykstra D, et al. **J Urol** 1987 Jan;137(1):77–9

Clinical usefulness of the palmomental reflex. Whittle IR, et al. **Med J Aust** 1987 Feb 2;146(3):137–9

[Vestibulospinal reflexes in differentiating between organic and functional (psychogenic) causes of vertigo] Allum JH, et al. **HNO** 1987 Mar;35(3):128–35 (Eng. Abstr.) **(Ger)**

[Diagnosis of neurogenic disorders of potency using the bulbocavernosus reflex and somatosensory evoked potentials following stimulation of the pudendal nerve] Tackmann W, et al. **Nervenarzt** 1987 Apr;58(5):292–9 **(Ger)**

[Reflexometry: an early prognostic test for assessing postoperative hypothyroidism] Ibragim MD, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):18–20 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effect 4-aminopyridine on the recovery of segmental reflexes after sectioning of the sciatic nerve in the rat] Serdiuchenko IIa, et al. **Neirofiziologiia** 1986;18(5):702–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Perioperative autonomic hyperreflexia in high spinal cord lesions: a case report. Raeder JC, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):672–3

Pupillary abnormalities: light and sight [letter] Bardenstein DS, et al. **Ann Intern Med** 1987 Apr;106(4):643

Impairment of cardiopulmonary baroreflex after cardiac transplantation in humans. Mohanty PK, et al. **Circulation** 1987 May;75(5):914–21

Orthostatic hypotension-induced autonomic dysreflexia. Khurana RK. **Neurology** 1987 Jul;37(7):1221–4

[Does asymmetric hamstring reflex indicate L5 radicular lesion? (letter)] Calmels P, et al. **Presse Med** 1986 Sep 20; 15(30):1422–3 **(Fre)**

[Ophthalmoplegia, ataxia and areflexia in frontal and pontine metastases simulating Fisher's syndrome] Masmoudi K, et al. **Rev Neurol (Paris)** 1986;142(10):785–7 (Eng. Abstr.) **(Fre)**

[Pulmonary edema and neurologic symptoms due to scorpion sting] Shimoni Z, et al. **Harefuah** 1986 Sep;111(5–6):123–4 (Eng. Abstr.) **(Heb)**

[Anomalies of the pupils and pupillary reflexes in patients with multiple sclerosis and optic neuritis] Cendrowski W. **Klin Oczna** 1986 Dec;88(12):431–4 (Eng. Abstr.) **(Pol)**

[Diabetic autonomic neuropathy: a more precise classification according to abnormality of cardiovascular reflexes] Espi F, et al. **Med Clin (Barc)** 1986 Sep 20;87(8):313–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Gerstmann-Sträussler-Scheinker disease: autopsy study of a familial case. Vinters HV, et al. **Ann Neurol** 1986 Oct; 20(4):540–3

Familial congenital vestibular areflexia. Verhagen WI, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):933–5

HISTORY

That up-going toe. MacGregor JM. **S Afr Med J** 1987 May 2;71(9):592–4

PHYSIOPATHOLOGY

Swallowing syncope: observations in the absence of conduction system or esophageal disease. Kadish AH, et al. **Am J Med** 1986 Dec;81(6):1098–100

Pure vasodepressor carotid sinus hypersensitivity. Unusual cause of recurrent syncope. Zee-Cheng CS, et al. **Am J Med** 1986 Dec;81(6):1095–7

Atrial natriuretic peptide decreases circulatory capacitance in areflexic rats. Trippodo NC, et al. **Circ Res** 1986 Sep; 59(3):291–6

Impaired sympathetic baroreflexes in prehypertensive Dahl hypertension-sensitive rats. Miyajima E, et al. **Clin Exp Hypertens [A]** 1986;8(6):1049–61

Electromyographical studies of the bulbo-cavernosus reflex in diabetic men with sexual dysfunction. Gallai V, et al. **Electromyogr Clin Neurophysiol** 1986 Oct–Nov;26(7):521–7

Reflex origin of parkinsonian tremor. Burne JA. **Exp Neurol** 1987 Aug;97(2):327–39

Impaired renorenal reflexes in spontaneously hypertensive rats. Kopp UC, et al. **Hypertension** 1987 Jan;9(1):69–75

Some pathophysiological aspects of the parkinsonian rigidity. Delwaide PJ, et al. **J Neural Transm [Suppl]** 1986;22:129–39

Neuropharmacological investigations in the stiff-man syndrome. Meinck HM, et al. **J Neurol** 1986 Nov; 233(6):340–7

Testing the plantar reflex [letter] van Gijn J. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):502–3

Neurophysiologic assessment of trigeminal function after surgery for trigeminal neuralgia. Cruccu G, et al. **Neurology** 1987 Apr;37(4):631–8

Neuropathy in the Miller Fisher syndrome: clinical and electrophysiologic findings. Fross RD, et al. **Neurology** 1987 Sep;37(9):1493–8

[Importance of neurophysiologic examinations in neural leprosy: role of the H reflex of the soleus muscle (study of 30 cases)] Thabet M, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):217–32 **(Fre)**

[Fisher's one-and-one half syndrome. Involvement of the 6th cranial nerve nucleus and association with paralytic pontine exotropia] Blondel M, et al. **Acta Neurol Belg** 1986 Aug–Oct;86(4):217–23 (Eng. Abstr.) **(Fre)**

[Carotid sinus hypersensitivity] Sagie A, et al. **Harefuah** 1987 May 15;112(10):496–500 (41 ref.) **(Heb)**

[A urodynamic study of detrusor hyperreflexia in benign prostatic hypertrophy] Murayama K, et al.

Hinyokika Kiyo 1987 Mar;33(3):375–9 (Eng. Abstr.) (Jpn)

THERAPY

Transplants of embryonic brainstem containing the locus coeruleus into spinal cord enhance the hindlimb flexion reflex in adult rats. Buchanan JT, et al. **Brain Res** 1986 Sep 3;381(2):225–36

[Correction of reflex disorders in the acute period of combined cranio-cerebral injuries] Kuz'menko VV, et al. **Ortop Travmatol Protez** 1986 Oct;(10):40–5 (Eng. Abstr.) (Rus)

REFLEX, ACOUSTIC

Binaural acoustic reflex activity following monaural noise exposure in decerebrate chinchillas. Gerhardt KJ, et al. **Audiology** 1986;25(4–5):309–20

Stapedius reflex and cerebellopontine angle tumours. Daunan R, et al. **Clin Otolaryngol** 1987 Apr;12(2):119–23

Bell's palsy and stapedial reflex. Ralli G, et al. **Clin Otolaryngol** 1986 Aug;11(4):261–5

Suprathreshold abnormalities of the stapedius reflex in acoustic tumor: a series of case reports. Jerger J, et al. **Ear Hear** 1987 Jun;8(3):131–9

Prediction of hearing loss from acoustic-reflex thresholds in the older adult population. Wallin A, et al. **Ear Hear** 1986 Dec;7(6):400–4

Mathematical and graphic model of the audiomotor reflex of the musculus orbicularis oculi and the law of energy. Ljubin C, et al. **Electromyogr Clin Neurophysiol** 1986 Jun–Jul;26(4):229–40

Asymmetries in the acoustic reflexes of the cat stapedius muscle. Guinan JJ Jr, et al. **Hear Res** 1987;26(1):1–10

Vowel intelligibility in the absence of the acoustic reflex: performance-intensity characteristics. Dorman MF, et al. **J Acoust Soc Am** 1987 Feb;81(2):562–4

Objective diagnosis of otitis media in early infancy by tympanometry and ipsilateral acoustic reflex thresholds. Marchant CD, et al. **J Pediatr** 1986 Oct;109(4):590–5

Influence of the acoustic reflex on vowel recognition. Dorman M, et al. **J Speech Hear Res** 1986 Sep;29(3):420–4

Acoustic-immittance measures in normal ears. Wiley TL, et al. **J Speech Hear Res** 1987 Jun;30(2):161–70

Tensor tympani reflex pathways studied with retrograde horseradish peroxidase and transneuronal viral tracing techniques. Rouiller EM, et al. **Neurosci Lett** 1986 Dec 23;72(3):247–52

The stapedius reflex test studied with laboratory and commercial equipment in acoustic neurinomas. Hirsch A, et al. **Scand Audiol** 1986;15(3):147–50

Anatomic basis of Arnold's ear-cough reflex. Gupta D, et al. **Surg Radiol Anat** 1986;8(4):217–20

[Stapedius reflex audiometry as an objective screening test in newborn infants] Leonardy-Doller B, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):30–1 (Eng. Abstr.) (Ger)

[Studies of the averaging wave-pattern of the acoustic reflex. 1. On subjects with normal hearing] Watanabe N. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov;89(11):1661–9 (Eng. Abstr.) (Jpn)

[Comparative study of hearing and the vestibular reflex in the elderly without manifestations of vertebro-basilar insufficiency] Fernández Julián E, et al. **An Otorrinolaringol Ibero Am** 1987;14(2):191–200 (Eng. Abstr.) (Spa)

[Maturation of the stapes reflex] Zaragosí Castelló JM, et al. **An Otorrinolaringol Ibero Am** 1987;14(3):259–84 (Eng. Abstr.) (Spa)

REFLEX, BLINK see **BLINKING**

REFLEX, CONDITIONED see **CONDITIONING, CLASSICAL**

REFLEX, CORNEAL see **BLINKING**

REFLEX, MONOSYNAPTIC

Changes in the normal pattern of H-reflex inhibition during muscle release in ALS. Schieppati M, et al. **Adv Exp Med Biol** 1987;209:155–8

Nocturnal myoclonus, restless legs syndrome, and abnormal electrophysiological findings [letter] Martinelli P, et al. **Ann Neurol** 1987 May;21(5):515

Effect of cooling on H- and T-reflexes in normal subjects. Bell KR, et al. **Arch Phys Med Rehabil** 1987 Aug;68(8):490–3

Crossed reflex activity in an entire, isolated, spinal cord preparation taken from juvenile rodents. Bagust J, et al. **Brain Res** 1987 May 19;411(2):397–9

Could parkinsonian akinesia be attributable to a disturbance in the motor preparatory process? Chan CW. **Brain Res** 1986 Oct 29;386(1–2):183–96

Posttetanic changes in the afferent and efferent activity of monosynaptic reflex in kittens. Bawa P. **Can J Physiol Pharmacol** 1987 Mar;65(3):328–36

Normal H reflexes and denervation in the low leg musculature: comparison of EMG with computed tomography, myelography and operation in patients with radiculopathy. Daelmans HE, et al. **Electromyogr Clin Neurophysiol** 1987 Mar;27(2):109–14

H-reflex potentials shape and amplitude changes at different length of relaxed soleus muscle. Gerilovsky L, et al. **Electromyogr Clin Neurophysiol** 1986 Dec;26(8):641–53

Effects of static tilt on human spinally mediated myotatic reflexes assessed by H-reflex testing. Szturm T, et al. **Electromyogr Clin Neurophysiol** 1986 Aug–Sep;26(5–6):401–13

Excitability of the soleus H-reflex arc during walking and stepping in man. Crenna P, et al. **Exp Brain Res** 1987;66(1):49–60

Facilitation and inhibition of synaptic transmission in the spinal cord: an electroneurographic study in humans. Ratto S, et al. **Exp Brain Res** 1986;64(3):411–20

Vestibulo-spinal response modification as determined with the H-reflex during the Spacelab-1 flight. Reschke MF, et al. **Exp Brain Res** 1986;64(2):367–79

Influences of neck receptors on soleus motoneuron excitability in man. Traccis S, et al. **Exp Neurol** 1987 Jan;95(1):76–84

Involvement of noradrenergic systems in the effects of conditioning stimulation of the lower brain stem on the lumbar spinal reflex in rats. Hino M, et al. **Gen Pharmacol** 1987;18(1):41–5

Role of H-reflex latency studies in the diagnosis of subclinical diabetic neuropathy. Marya RK, et al. **Indian J Physiol Pharmacol** 1986 Apr–Jun;30(2):133–8

The flexor carpi radialis H-reflex in polyneuropathy: relations to conduction velocities of the median nerve and the soleus H-reflex latency. Schimsheimer RJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):447–52

Operant conditioning of primate spinal reflexes: the H-reflex. Wolpaw JR. **J Neurophysiol** 1987 Feb;57(2):443–59

The effect of percutaneous motor cortex stimulation on H reflexes in muscles of the arm and leg in intact man. Cowan JM, et al. **J Physiol (Lond)** 1986 Aug;377:333–47

Postnatal transient expression of long-lasting descending inhibitory effect on spinal reflexes in the rat. Miyata Y, et al. **Neurosci Res** 1987 Apr;4(4):268–78

The Hoffmann reflex: a means of assessing spinal reflex excitability and its descending control in man. Schieppati M. **Prog Neurobiol** 1987;28(4):345–76

[Changes in motor reflex mechanisms in stutterers] Lašťovka M. **Cesk Pediatr** 1986 Dec;41(12):707–11 (Eng. Abstr.) (Cze)

[Diagnostic value of the H-reflex index in alcoholic polyneuropathy] Matthes R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Mar;39(3):169–72 (Eng. Abstr.) (Ger)

[The Hoffmann reflex] Tanaka R. **Nippon Seirigaku Zasshi** 1986;48(11):719–34 (63 ref.) (Jpn)

[Changes in the H- and T-reflexes after supporting a weight during the plantar flexion of the foot] Trembach AB, et al. **Fiziol Cheloveka** 1987 Mar–Apr;13(2):333–5 (Rus)

[Segmental inhibitory reactions in the spinal cord of the frog in response to orthodromic motor neuron activation] Pakhomov AG. **Neirofiziologiia** 1987;19(3):343–50 (Eng. Abstr.) (Rus)

[Supraspinal effects on the H-reflex excitation cycle in patients with secondary neurasthenia] Podivinský F, et al. **Bratisl Lek Listy** 1986 Aug;86(2):125–31 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Spinal cord electrophysiological activities after small doses of TRH in control subjects and ALS patients. Delwaide PJ, et al. **Adv Exp Med Biol** 1987;209:129–33

The H-reflex in the encephalopathy due to ammonia intoxication. Raabe W. **Exp Neurol** 1987 Jun;96(3):601–11

Effect of inhibitory amino acid antagonists on masseteric reflex suppression during active sleep. Soja PJ, et al. **Exp Neurol** 1987 Apr;96(1):178–93

Brain stem involvement in the effects of chlorpromazine on the monosynaptic reflex of the rat lumbar spinal cord. Hino M, et al. **Gen Pharmacol** 1986;17(4):379–83

Inhibitory effects of galanin on the isolated spinal cord of the newborn rat. Yanagisawa M, et al. **Neurosci Lett** 1986 Oct 8;70(2):278–82

Stimulant action of ethanol on posttetanic potentiation of hindlimb monosynaptic reflexes. Barnes CD, et al. **Proc West Pharmacol Soc** 1986;29:155–7

Evaluation of cis-diamminedichloroplatinum (II) (cisplatin) neurotoxicity in rats. De Koning P, et al. **Toxicol Appl Pharmacol** 1987 Jun 15;89(1):81–7

[Evaluation of the status of peripheral nerves in patients on long-term treatment with anticonvulsants based on a study of H-reflex and F wave] Drozdowski W. **Neurol Neurochir Pol** 1986 Sep–Oct;20(5):421–6 (Eng. Abstr.) (Pol)

REFLEX, OCULOCARDIAC see under **REFLEX**

REFLEX, ORBICULARIS OCULI see **BLINKING**

REFLEX, PSYCHOGALVANIC see **GALVANIC SKIN RESPONSE**

REFLEX, PUPILLARY

Pupillary abnormalities: light and sight [letter] Bardenstein DS, et al. **Ann Intern Med** 1987 Apr;106(4):643

Sweat gland and pupillary responsiveness in Horner's syndrome. Salvesen R, et al. **Cephalalgia** 1987 Jun;7(2):135–46

A case of congenital non-progressive sensory neuropathy with tonic pupils. Janzer RC, et al. **Clin Neuropathol** 1986 Sep–Oct;5(5):209–16

The pupil cycle time in Horner's syndrome. Blumen SC, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):232–5

Pupil diameter in migraine and tension headache. Drummond PD. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):228–30

Pupillary abnormalities: light and sight [letter] Bardenstein DS, et al. **J Pediatr** 1987 Apr;110(4):667–8

Pupillary light reflex in patients with hemispheric cerebrovascular disease. Maruki Y, et al. **Jpn J Med** 1987 Feb;26(1):31–5

Depressant effect of cooling of the postero-lateral occipital cortex on pupillo-constriction responses evoked from the lateral suprasylvian area in cats. Bando T. **Neurosci Res** 1987 Apr;4(4):316–22

Contrasting effects of response uncertainty on the task-evoked pupillary response and reaction time. Richer F, et al. **Psychophysiology** 1987 May;24(3):258–62

[Clinical significance of observations on changes in the pupils] Zhang XC. **Chung Hua Hu Li Tsa Chih** 1986 Oct;21(7):315–6 (Chi)

[Pattern electroretinogram: effect of pupillary size and accommodation] Leipert KP, et al. **Fortschr Ophthalmol** 1987;84(1):104–8 (Eng. Abstr.) (Ger)

[YAG laser iris hole at 6 o'clock in the periphery in the treatment or prevention of closed angle glaucoma and plateau iris and in pupillary block (posterior iris surface-blocking mechanism)] Payer H. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):404–6 (Eng. Abstr.) (Ger)

[Encephalitis with isolated pupillary disorder and ganglioradiculo-neuropathy with ascending degeneration of the posterior column in bronchial cancer] Martin P, et al. **Nervenarzt** 1987 Mar;58(3):175–80 (Ger)

[Factor analytic study and determination of rehabilitation of static and dynamic pupillometry in normal persons and psychopathologic groups] Grünberger J, et al. **Wien Med Wochenschr** 1987 Apr 30;137(7–8):135–9 (Eng. Abstr.) (Ger)

[Coordination of accommodation, convergence and pupil size] Tokoro T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):928–35 (Eng. Abstr.) (Jpn)

[Anomalies of the pupils and pupillary reflexes in patients with multiple sclerosis and optic neuritis] Cendrowski W. **Klin Oczna** 1986 Dec;88(12):431–4 (Eng. Abstr.) (Pol)

DRUG EFFECTS

A case of tabes dorsalis with tonic pupils and lightning pains relieved by sodium valproate [letter] Bowsher D, et al. **J Neurol Neurosurg Psychiatry** 1987 Feb;50(2):239–41

[Effect of N-ethyl-N-(4-pyridylmethyl)tropamide (Mydriaticum Roche) on the results of the Schirmer test] Rieger G. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):135–8 (Eng. Abstr.) (Ger)

[Pharmaco-pupillometry with methacholine in Ménière's disease] Guidetti G, et al. **Acta Otorhinolaryngol Ital** 1987 Mar–Apr;7(2):205–16 (Eng. Abstr.) (Ita)

REFLEX, STRETCH

Effect of cooling on H- and T-reflexes in normal subjects. Bell KR, et al. **Arch Phys Med Rehabil** 1987 Aug;68(8):490–3

Motor preparation and the Achilles tendon reflex: the role of background muscle tension. Scheirs JG, et al. **Biol Psychol** 1986 Oct;23(2):163–78

Stretch and vibration reflexes of wrist flexor muscles in spasticity. Cody FW, et al. **Brain** 1987 Apr;110 (Pt 2):433–50

Movement deficits caused by hyperexcitable stretch reflexes in spastic humans. Corcos DM, et al. **Brain** 1986 Oct;109 (Pt 5):1043–58

Hypotonia: an erroneous clinical concept? van der Meché FG, et al. **Brain** 1986 Dec;109 (Pt 6):1169–78

The effect of mechanical stimulation of knee joint afferents on quadriceps motor unit activity in the decerebrate cat. Baxendale RH, et al. **Brain Res** 1987 Jul 14;415(2):353–6

Effects of ischemic nerve block on the early and late components of the stretch reflex in the human forearm. Hayashi R, et al. **Brain Res** 1987 Feb 17;403(2):341–4

Changes in short and long latency stretch reflexes prior to movement initiation. Sullivan SJ, et al. **Brain Res** 1987 May 26;412(1):139–43

Spasticity. Young RR, et al. **Clin Orthop** 1987 Jun;(219):50–62

Stretch reflexes of the normal infant. Myklebust BM, et al. **Dev Med Child Neurol** 1986 Aug;28(4):440–9

Dominance of the short-latency component in perturbation induced electromyographic responses of long-trained monkeys. Meyer-Lohmann J, et al. **Exp Brain Res** 1986;64(3):393–9

Stretch and unloading reflexes in a human hand muscle. Angel RW, et al. **Exp Neurol** 1986 Nov;94(2):348–58

Phasic stretch reflex of the abdominal muscles. Kondo T, et al. **Exp Neurol** 1986 Oct;94(1):120–40

Long-latency stretch reflexes of the human elbow extensors during voluntary relaxation: differences between agonistic muscles. Le Bozec S, et al. **Exp Neurol** 1987 Jun;96(3):516–27

Stability and parameter studies of a stretch reflex loop model.

Yurkovich S, et al. **IEEE Trans Biomed Eng** 1987 Jul; 34(7):547–53

Fatigue during stretch-shortening cycle exercises. II. Changes in neuromuscular activation patterns of human skeletal muscle. Gollhofer A, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:38–47

Stretch reflex oscillations and essential tremor. Elble RJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):691–8

Dynamics and directional sensitivity of neck muscle spindle responses to head rotation. Chan YS, et al. **J Neurophysiol** 1987 Jun;57(6):1716–29

Neural compensation for muscular fatigue: evidence for significant force regulation in man. Kirsch RF, et al. **J Neurophysiol** 1987 Jun;57(6):1893–910

The degree of short-term synchrony between alpha- and gamma-motoneurones coactivated during the flexion reflex in the cat. Connell LA, et al. **J Physiol (Lond)** 1986 Jul; 376:47–61

Modulation of the long-latency reflex to stretch by the supplementary motor area in humans. Dick JP, et al. **Neurosci Lett** 1987 Apr 10;75(3):349–54

The cerebellum and initiation of movement: the stretch reflex. Higgins DC. **Yale J Biol Med** 1987 Mar-Apr;60(2):123–31

[A new microcomputer method of measuring the Achilles tendon reflex in the diagnosis of diseases of the thyroid gland] Felt V. **Vnitr Lek** 1986 May;32(5):482–7 (Eng. Abstr.) **(Cze)**

[Comparison of the electromagnetic and photoelectric methods of recording the achilles tendon reflex] Zamrazil V, et al. **Vnitr Lek** 1987 Apr;33(4):370–5 (Eng. Abstr.) **(Cze)**

[The Trömner reflex: a continuing misunderstanding?] Vogel P. **Nervenarzt** 1987 Jan;58(1):1–3 **(Ger)**

[Transcortical reflex] Matsunami K. **Nippon Rinsho** 1987 Feb; 45(2):245–51 (25 ref.) **(Jpn)**

[Spinal cord reflex and posture control] Udo M. **Nippon Rinsho** 1987 Feb;45(2):239–44 (8 ref.) **(Jpn)**

[A case of Parkinson's disease complicated with Fisher's syndrome] Matsuda M, et al. **Rinsho Shinkeigaku** 1987 Feb; 27(2):218–22 (Eng. Abstr.) **(Jpn)**

[Changes in the H- and T-reflexes after supporting a weight during the plantar flexion of the foot] Trembach AB, et al. **Fiziol Cheloveka** 1987 Mar-Apr;13(2):333–5 **(Rus)**

[Reflexometry of the Achilles tendon and the functional state of the thyroid gland in schoolchildren with emphasis on the determination of the Achilles tendon reflex intervals] Oravec V, et al. **Cesk Pediatr** 1986 Aug;41(8):459–62 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

[Laser bioactiometry in the human] Prehn H. **Biomed Tech (Berlin)** 1987 Apr;32(4):80–7 (Eng. Abstr.) **(Ger)**

REFLEX SYMPATHETIC DYSTROPHY

see related
SHOULDER-HAND SYNDROME
SUDECK'S ATROPHY

Reflex sympathetic dystrophy. A review. Schwartzman RJ, et al. **Arch Neurol** 1987 May;44(5):555–61

Reflex sympathetic dystrophy syndrome. Kozin F. **Bull Rheum Dis** 1986;36(3):1–8

Reflex neurovascular dystrophy in children. Aftimos S. **NZ Med J** 1986 Oct 8;99(811):761–3

Reflex neurovascular dystrophy. A case report. Schraader EB. **S Afr Med J** 1987 Jul 18;72(2):153

COMPLICATIONS

[Clinicopathological conference. Leg trouble in a young woman] Müller K. **Duodecim** 1986;102(13):907–16 **(Fin)**

[An uncommon case of spontaneous pseudofracture of the patella in algodystrophy] Doury P, et al. **Rev Rhum Mal Osteoartic** 1987 Jun;54(6):499–500 **(Fre)**

[Allergic angiitis and algodystrophy. The white hand phenomenon (letter)] Thoumie P, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):79 **(Fre)**

DIAGNOSIS

Transient regional osteoporosis or reflex sympathetic dystrophy [letter] Rodriguez-Moreno J, et al. **Ann Intern Med** 1987 Aug;107(2):262

Reflex sympathetic dystrophy as a cause of poor results after total knee arthroplasty. Katz MM, et al. **J Arthroplasty** 1986;1(2):117–24

Reflex sympathetic dystrophy in a teenaged girl. Paulson RR. **Postgrad Med** 1987 May 15;81(7):66–7

[Severe algodystrophy of the foot simulating ischemic arteriopathy. Spectacular cure by regional sympathetic block with guanethidine] Doury P, et al. **Ann Med Interne (Paris)** 1987;138(1):45–8 (Eng. Abstr.) **(Fre)**

[Algodystrophy of the upper extremity] Deshayes P, et al. **Phlebologie** 1987 Apr-Jun;40(2):503–9 (Eng. Abstr.) **(Fre)**

[Algodystrophy and venous thrombosis of the lower extremities. Diagnostic discussion. Apropos of 3 cases] Eulry F, et al. **Phlebologie** 1987 Apr-Jun;40(2):251–9 (Eng. Abstr.) **(Fre)**

[Doppler study in algodystrophy. Apropos of 10 cases] Dallot JY, et al. **Rev Med Interne** 1986 May;7(3):243–51 (Eng. Abstr.) **(Fre)**

[Algodystrophy] Reginster JY, et al. **Rev Med Liege** 1986 Dec 15;41(24):996–1003 (29 ref.) **(Fre)**

[Reflex algodystrophy of the upper extremity in a patient with Rendu-Osler-Weber disease] Fiedorowicz-Fabrycy I, et al. **Pol Tyg Lek** 1987 Feb 2;42(5):127–9 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Cervical epidural steroids in reflex sympathetic dystrophy. Dirksen R, et al. **Anesthesiology** 1987 Jan;66(1):71–3

ETIOLOGY

Reflex sympathetic dystrophy following nail biopsy. Ingram GJ, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):253–6

Reflex sympathetic dystrophy in a patient with pre-existing torsade de pointes. Kettler RE, et al. **Pain** 1987 Feb; 28(2):197–200

[Post-traumatic algodystrophy in children] Fourastier J, et al. **Chir Pediatr** 1986;27(6):313–7 (Eng. Abstr.) **(Fre)**

[Etiological importance of the subdislocation of the humeral head in algoneurodystrophy in hemiplegic patients (letter)] Vautravers P, et al. **Presse Med** 1987 Sep 19;16(30):1484 **(Fre)**

[Fatigue fractures of the femoral neck followed by algodystrophy] Doury P, et al. **Rev Rhum Mal Osteoartic** 1987 May;54(5):425–7 **(Fre)**

PHYSIOPATHOLOGY

[Central effects in the etiopathogenesis of post-traumatic algoneurodystrophy. I. The effect of pain] Skrabal J. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):34–40 **(Cze)**

PSYCHOLOGY

Neuro-algodystrophy: a psychiatrist's view. Van Houdenhove B. **Clin Rheumatol** 1986 Sep;5(3):399–406

[Central effects in the etiopathogenesis of post-traumatic algoneurodystrophy. II. The effect of negative emotions, psychosomatic aspects] Skrabal J. **Acta Chir Orthop Traumatol Cech** 1987 Feb;54(1):41–7 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

[Densitometric follow-up of algodystrophy using computerized tomography] Lindecken KD, et al. **Zentralbl Chir** 1987;112(12):760–8 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Three phase bone scanning as an aid to early diagnosis in reflex sympathetic dystrophy of the hand. A study of eighty-nine cases. Constantinesco A, et al. **Ann Chir Main** 1986;5(2):93–104 **(Eng, Fre)**

Scintigraphic evaluation of reflex sympathetic dystrophy: comparative study of the course of the disease under two therapeutic regimens. Rico H, et al. **Clin Rheumatol** 1987 Jun;6(2):233–7

[Bone scintigraphy in algodystrophy (letter)] Doury P, et al. **Presse Med** 1987 Jun 27;16(25):1245 **(Fre)**

[Bone angioscintigraphy in reflex sympathetic algodystrophies (letter)] Gaucher A, et al. **Presse Med** 1986 Nov 1;15(38):1928 **(Fre)**

[Algodystrophy in children and young adults with low isotope retention in the bones. Apropos of 5 cases] Doury P, et al. **Rev Rhum Mal Osteoartic** 1986 Dec;53(12):681–4 (Eng. Abstr.) **(Fre)**

[Bone isotope hypofixation in algodystrophy in children] Le Loet X, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):53 **(Fre)**

REHABILITATION

Historical perspective of causalgia. Management of sympathetically maintained pain. Headley B. **Phys Ther** 1987 Sep;67(9):1370–4

SURGERY

End-stage reflex sympathetic dystrophy. Rohrich RJ, et al. **Plast Reconstr Surg** 1987 Apr;79(4):625–6

THERAPY

Ultrasound treatment of reflex sympathetic dystrophy. Portwood MM, et al. **Arch Phys Med Rehabil** 1987 Feb; 68(2):116–8

Calcitonin and reflex sympathetic dystrophy syndrome. Gobelet C, et al. **Clin Rheumatol** 1986 Sep;5(3):382–8

Thermal biofeedback in the treatment of symptoms associated with reflex sympathetic dystrophy. Barowsky EI, et al. **J Child Neurol** 1987 Jul;2(3):229–32

Re: Sympathetic blocks for reflex sympathetic dystrophy [letter] Davidoff G. **Pain** 1986 Aug;26(2):267–9

Recurrent sympathetic dystrophy: successful treatment by contralateral sympathectomy. Munn JS, et al. **Surgery** 1987 Jul;102(1):102–5

[A new approach to the management of reflex sympathetic dystrophy of the leg] Shir Y, et al. **Harefuah** 1987 Mar 1;112(5):223–4 (Eng. Abstr.) **(Heb)**

REFLEX, TENDON see REFLEX, STRETCH

REFLEX, VESTIBULO-OCULAR

Voluntary modification of the rotatory induced vestibulo-ocular reflex by fixating imaginary targets. Furst EJ, et al. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr; 103(3-4):232–40

Pursuit opposite to the vestibulo-ocular reflex (VOR) during sinusoidal stimulation in humans. Koenig E, et al. **Acta Otolaryngol (Stockh)** 1987 Jan-Feb;103(1-2):24–31

Fixation suppression of the vestibulo-ocular reflex (VOR) during sinusoidal stimulation in humans as related to the performance of the pursuit system. Koenig E, et al. **Acta Otolaryngol (Stockh)** 1986 Nov-Dec;102(5-6):423–31

The dynamic illegible E-test. A technique for assessing the vestibulo-ocular reflex. Longridge NS, et al. **Acta Otolaryngol (Stockh)** 1987 Mar-Apr;103(3-4):273–9

Effect of alertness on the vestibulo-ocular reflex and on the slow rise in optokinetic nystagmus in rabbits. Magnusson M. **Am J Otolaryngol** 1986 Sep-Oct;7(5):353–9

Use of active head movements for computerized vestibular testing. Fineberg R, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1063–5

Cervico-vestibular interaction in eye movements. Kobayashi Y, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S87–95

Transfer function of right- and leftward eye movements in patients with unilateral labyrinth. Shibata Y, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S69–74

Microvibration-related responses to optokinetic stimulation. Shirabe S, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S81–5

Relationship between movements of the head and the center of gravity of the body in Menière's disease. Taguchi K, et al. **Auris Nasus Larynx** 1986;13 Suppl 2:S161–9

Looking, moving and seeing. Crawford BA. **Aust N Z J Ophthalmol** 1987 May;15(2):135–8

A vestibulo-ocular reflex with no head movement. Paulin MG, et al. **Biol Cybern** 1986;55(1):1–4

Dependence of cat vestibulo-ocular reflex direction adaptation on animal orientation during adaptation and rotation in darkness. Baker J, et al. **Brain Res** 1987 Apr 7;408(1-2):339–43

Vertical visual-vestibular interaction in normal human subjects. Baloh RW, et al. **Exp Brain Res** 1986;64(3):400–6

European vestibular experiments on the Spacelab-1 mission: 6. Yaw axis vestibulo-ocular reflex. Benson AJ, et al. **Exp Brain Res** 1986;64(2):279–83

European vestibular experiments on the Spacelab-1 mission: 5. Contribution of the otoliths to the vertical vestibulo-ocular reflex. Berthoz A, et al. **Exp Brain Res** 1986;64(2):272–8

Influence of eye and head position on the vestibulo-ocular reflex. Fetter M, et al. **Exp Brain Res** 1986;64(1):208–16

Effects of rapid cerebellectomy on adaptive gain control of the vestibulo-ocular reflex in alert goldfish. Michnovicz JJ, et al. **Exp Brain Res** 1987;66(2):287–94

European vestibular experiments on the Spacelab-1 mission: 7. Ocular counterrolling measurements pre- and post-flight. Vogel H, et al. **Exp Brain Res** 1986; 64(2):284–90

The development of the static vestibulo-ocular reflex in the southern clawed toad, Xenopus laevis. II. Animals with acute vestibular lesions. Horn E, et al. **J Comp Physiol [A]** 1986 Dec;159(6):879–85

The development of the static vestibulo-ocular reflex in the southern clawed toad, Xenopus laevis. I. Intact animals. Horn E, et al. **J Comp Physiol [A]** 1986 Dec;159(6):869–78

Fast component threshold for vestibular nystagmus in the rabbit. Lau CG, et al. **J Comp Physiol [A]** 1987 May; 160(5):585–92

The development of the static vestibulo-ocular reflex in the southern clawed toad, Xenopus laevis. III. Chronic hemilabyrinthectomized tadpoles. Rayer B, et al. **J Comp Physiol [A]** 1986 Dec;159(6):887–95

Eye movements and vestibulo-ocular reflex in the blind. Kömpf D, et al. **J Neurol** 1987 Jun;234(5):337–41

Outcome prediction in comatose patients: significance of reflex eye movement analysis. Mueller-Jensen A, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):389–92

Familial congenital vestibular areflexia. Verhagen WI, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):933–5

Combined eye-head gaze shifts in the primate. II. Interactions between saccades and the vestibulooocular reflex. Tomlinson RD, et al. **J Neurophysiol** 1986 Dec;56(6):1558–70

The pattern of changes produced in the saccadic system and vestibuloocular reflex by visually patching one eye. Viirre E, et al. **J Neurophysiol** 1987 Jan;57(1):92–103

The dynamic illegible E (DIE) test: a simple technique for assessing the ability of the vestibulo-ocular reflex to overcome vestibular pathology. Longridge NS, et al. **J Otolaryngol** 1987 Mar;16(2):97–103

Hyperactive vestibulo-ocular reflex in cerebellar degeneration: pathogenesis and treatment. Thurston SE, et al. **Neurology** 1987 Jan;37(1):53–7

The commissural inhibition on secondary vestibulo-ocular neurons in the vertical semicircular canal systems in the cat. Uchino Y, et al. **Neurosci Lett** 1986 Oct 8;70(2):210–6

Inhibition of vestibulo-ocular reflex by tonic stimulation of the posterior neck region in man. Nuti D, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(6):338–44

Vestibular evoked potentials in man: an overview. Hamid MA, et al. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt

1):347–8
[Vestibulospinal reflexes in differentiating between organic and functional (psychogenic) causes of vertigo] Allum JH, et al. **HNO** 1987 Mar;35(3):128–35 (Eng. Abstr.) **(Ger)**
[A study of compensatory eye movements induced by sinusoidal linear accelerations—frequency response of the maculo-ocular reflex and the functional polarity of the otolith organ in human subjects] Fujino A. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Mar;90(3):335–47 (Eng. Abstr.) **(Jpn)**
[Equilibrium and movement] Uchino Y. **Nippon Rinsho** 1987 Feb;45(2):304–9 (20 ref.) **(Jpn)**
[Neuronal organization of the elementary vestibulo-ocular reflex arc] Uchino Y. **Nippon Seirigaku Zasshi** 1986; 48(6):541–63 (101 ref.) **(Jpn)**
[Electronystagmographic evaluation of the vestibulo-ocular reflex in children after brain concussion] Kaźmierczak H, et al. **Neurol Neurochir Pol** 1986 May–Jun;20(3):241–5 (Eng. Abstr.) **(Pol)**
[Internuclear damage of the vestibulo-ocular tract] Krochmalska E, et al. **Otolaryngol Pol** 1986;40(2):96–102 (Eng. Abstr.) **(Pol)**
[Clinical aspects of studying vestibulo-ocular reflexes in the normal state and in lesions of the vestibular system at various levels] Skliut IA, et al. **Vestn Otorinolaringol** 1987 Jan–Feb;(1):74–8 (66 ref.) **(Rus)**
[Competitive caloric test and various aspects of its clinical use] Skliut IA, et al. **Vestn Otorinolaringol** 1986 Sep–Oct; (5):26–31 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Vestibular reflex changes following aminoglycoside induced ototoxicity. Black FO, et al. **Laryngoscope** 1987 May; 97(5):582–6
Study of pursuit and vestibulo-ocular cancellation. Mai M, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):589–91
Modulation of the vestibulo-ocular reflex by serotonin in the rat. Ternaux JP, et al. **Pflugers Arch** 1987 Aug; 409(4–5):507–11
Effects of inert gas narcosis on the vestibular ocular reflex. Hamilton K, et al. **Undersea Biomed Res** 1986 Sep; 13(3):355–9

REFLEXOTHERAPY

[Reflexotherapy in the early stages of hypertension] Gornaev BI, et al. **Kardiologiia** 1987 Jun;27(6):110–1 **(Rus)**
[Reflexotherapy of patients with spinal osteochondrosis associated with ischemic heart disease] Davydov OV. **Klin Med (Mosk)** 1987 Jan;65(1):98–100 (Eng. Abstr.) **(Rus)**
[Reflexotherapy in bronchial asthma] Zamotaev IP, et al. **Sov Med** 1986;(12):98–101 **(Rus)**
[Experience in using autologous blood transfusion and reflexotherapy] Gur'ianov AA. **Voen Med Zh** 1987 Mar; (3):51–2 **(Rus)**

INSTRUMENTATION

[The ALP-1 apparatus for electrolaser puncture] Beliaev RP, et al. **Med Tekh** 1986 Jul–Aug;(4):58–9 **(Rus)**

REFRACTION, OCULAR

Changes in refraction and corneal curvature during growth and adult life. A cross-sectional study. Fledelius HC, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):487–91
The stenopeic strip. Griffiths MF. **Am J Ophthalmol** 1987 Jan 15;103(1):116
Aspects of tonic accommodation in emmetropia and late-onset myopia. Bullimore MA, et al. **Am J Optom Physiol Opt** 1987 Jul;64(7):499–503
Relation between refraction, education, occupation, and age among 26- and 46-year-old Finns. Pärssinen TO. **Am J Optom Physiol Opt** 1987 Feb;64(2):136–43
Visual, refractive, and keratometric results of radial keratotomy. A two-year follow-up. Arrowsmith PN, et al. **Arch Ophthalmol** 1987 Jan;105(1):76–80
Theoretical vs empirical prediction of aphakic refraction. Olsen T. **Arch Ophthalmol** 1987 Aug;105(8):1042–5
On predicting ocular power changes in refractive keratoplasty [letter] Patel S. **Arch Ophthalmol** 1987 Aug; 105(8):1017
A comparison of cycloplegic and manifest refractions on the NR-1000F (an objective Auto Refractometer). Nayak BK, et al. **Br J Ophthalmol** 1987 Jan;71(1):73–5
A photorefractive characterization of focusing ability of infants and young children. Howland HC, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):1005–15
Radial keratotomy report [letter] **J Cataract Refract Surg** 1987 May;13(3):340–1
Experience with the SRK formula [letter] Gelber EC. **J Cataract Refract Surg** 1986 Sep;12(5):535
Theoretical approach to intraocular lens calculation using Gaussian optics. Olsen T. **J Cataract Refract Surg** 1987 Mar;13(2):141–5
Theoretical, computer-assisted prediction versus SRK prediction of postoperative refraction after intraocular lens implantation. Olsen T. **J Cataract Refract Surg** 1987 Mar; 13(2):146–50
Regression of myopic epikeratophakia effects [letter] Woodhams JT. **J Cataract Refract Surg** 1987 May; 13(3):343–4
Operant acuity of toddlers and developmentally delayed children with low vision. Birch E, et al. **J Pediatr Ophthalmol Strabismus** 1987 Mar–Apr;24(2):64–9
Two simple calculating schemes for use in ophthalmic optics—II. Tracing axial pencils through systems including astigmatic surfaces at random axes. Bennett AG. **Ophthalmic Physiol Opt** 1986;6(4):419–29
The triple procedure. Refractive results. 1985 update. Binder PS. **Ophthalmology** 1986 Dec;93(12):1482–8
Modern instruments for subjective refraction. A comparative study. Wesemann W, et al. **Ophthalmology** 1986 Sep;93(9 Suppl):52–60
Diurnal cycle of refraction after radial keratotomy. Wyzinski P, et al. **Ophthalmology** 1987 Feb;94(2):120–4
The Jackson cross cylinder disproved. Sims CN, et al. **Trans Am Ophthalmol Soc** 1986;84:355–86
[Physiologic values of ocular refraction in Chinese preschool children] Wang FR. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):179–82 (Eng. Abstr.) **(Chi)**
[A dynamic schematic eye for close work] Yang PL. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):132–4 (Eng. Abstr.) **(Chi)**
[A study of the clinical use of the Topcon autorefractor] Shiue C, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb; 86(2):201–8 (Eng. Abstr.) **(Chi)**
[Postoperative astigmatism. Peroperative keratometry] Malbrel C. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):123–4 **(Fre)**
[Theoretical formulas for the power of artificial lenses] Aflalo G. **J Fr Ophtalmol** 1987;10(4):283–93 (Eng. Abstr.) **(Fre)**
[Evaluation of the performance of an automatic objective refractometer on 3,618 eyes] Dufier JL, et al. **J Fr Ophtalmol** 1987;10(4):301–8 (Eng. Abstr.) **(Fre)**
[Computer-assisted calculation of medical data—review of development and example of ultrasound implant biometry] Chrobok R. **Fortschr Ophthalmol** 1987;84(1):86–91 (Eng. Abstr.) **(Ger)**
[Refractive corneal surgery] Hoffmann F. **Fortschr Ophthalmol** 1987;84(2):144–9 (Eng. Abstr.) **(Ger)**
[Practical implant biometry—a comparative study of currently available instruments] Maass C, et al. **Fortschr Ophthalmol** 1986;83(6):678–9 (Eng. Abstr.) **(Ger)**
[Value of preoperative retinometer study in cataract patients] Menne K, et al. **Fortschr Ophthalmol** 1987;84(2):180–2 (Eng. Abstr.) **(Ger)**
[Comparison of functional and dioptric aniseikonia following unilateral implantation of a posterior chamber lens] Ratzel T, et al. **Fortschr Ophthalmol** 1986;83(6):680–1 (Eng. Abstr.) **(Ger)**
[Age-related changes in the corneal curvature] Inagaki Y. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):132–9 (Eng. Abstr.) **(Jpn)**
[Effect of muscle equilibrium on the rate of refraction reinforcement after the elimination of strabismus in children] Pospelov VI, et al. **Oftalmol Zh** 1986;(5):299–301 (Eng. Abstr.) **(Rus)**

REFRACTIVE ERRORS

[Laser retinometry in the presence of refraction abnormalities] Mustaev IA, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):50–2 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Refractive errors and peripheral retinal degeneration] Guo XR. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):145–7 (Eng. Abstr.) **(Chi)**
[Asthenopia and aniseikonia in anisometropic patients] Wu GE. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):149–51 (Eng. Abstr.) **(Chi)**

CONGENITAL

Visual acuity development in normal and abnormal preterm human infants. Norcia AM, et al. **J Pediatr Ophthalmol Strabismus** 1987 Mar–Apr;24(2):70–4

DIAGNOSIS

Photorefraction with a catadioptric lens. Improvement on the method of Kaakinen. Norcia AM, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):379–85
Vision for coloured pictures at different acuities: the Sonksen picture guide to visual function. Sonksen PM, et al. **Dev Med Child Neurol** 1987 Jun;29(3):337–47
Operating room retinoscopy [letter] Lyle WA. **J Cataract Refract Surg** 1987 Jul;13(4):454–5
Operant acuity of toddlers and developmentally delayed children with low vision. Birch E, et al. **J Pediatr Ophthalmol Strabismus** 1987 Mar–Apr;24(2):64–9
Depth distortion during slit-lamp biomicroscopy of the fundus [letter] Spaide R. **Ophthalmology** 1987 Feb; 94(2):201–2
[A new method for the quantitative representation of anisometropia] Wu XC. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):135–8 (Eng. Abstr.) **(Chi)**
[Study of visual acuity and clinical refraction at short distance] Pasechnikova NV. **Oftalmol Zh** 1986;(4):235–8 (Eng. Abstr.) **(Rus)**
[Visuo- and refractometric indices in the evaluation of visual work capacity] Volkov VV. **Oftalmol Zh** 1986;(8):455–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Refractive change in diabetes mellitus around onset or when poorly controlled. A clinical study. Fledelius HC. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):53–7
Correlation between dark adaptation and refractive errors. Seetharaman V, et al. **Indian J Ophthalmol** 1985 Sep–Oct; 33(5):323–5
Different visual deprivations produce different ametropias and different eye shapes. Gottlieb MD, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1225–35
Observations on the effects of form deprivation on the refractive status of the monkey. Smith EL 3d, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1236–45
A comparison of the refractive errors in high risk infants with ROP to those without ROP. Stoken DJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):542–6
[Refractive changes after surgical operations on horizontal muscles] Gluza J, et al. **Klin Oczna** 1986 Dec;88(12):426–7 (Eng. Abstr.) **(Pol)**
[Causes of blindness and poor vision and problems of rehabilitating patients with pathology of the refractive system of the eye] Ferfil'ian IL, et al. **Oftalmol Zh** 1986; (7):412–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Screening of infants for strabismus and refractive errors with two-flash photorefraction with and without cycloplegia. Kaakinen K, et al. **Acta Ophthalmol (Copenh)** 1986 Oct; 64(5):578–82
Refractive error change at the United States Air Force Academy—class of 1985. O'Neal MR, et al. **Am J Optom Physiol Opt** 1987 May;64(5):344–54
[Physiologic values of ocular refraction in Chinese preschool children] Wang FR. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):179–82 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

The effect of refractive error on automated global analysis program G-1. Goldstick BJ, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):229–32
Performance of the dot visual acuity test with uncorrected ametropia resulting in target blur. Kirschen DG, et al. **Am J Optom Physiol Opt** 1986 Dec;63(12):962–5
The effect of test proximity and induced refractive error on stereoacuity. Larson W. **Am J Optom Physiol Opt** 1987 May;64(5):377–83
Refractive error changes in law students. Zadnik K, et al. **Am J Optom Physiol Opt** 1987 Jul;64(7):558–61
Relationship between refractive error and visual acuity in the Prospective Evaluation of Radial Keratotomy (PERK) Study. Santos VR, et al. **Arch Ophthalmol** 1987 Jan; 105(1):86–92
A comparison of the spectral sensitivities of monkeys with anisometropic and stimulus deprivation amblyopia. Smith EL 3d, et al. **Behav Brain Res** 1986 Oct;22(1):13–24
The relationship between tonic accommodation and refractive error. McBrien NA, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):997–1004
A model for emmetropization: predicting the progression of ametropia. Medina A. **Ophthalmologica** 1987; 194(2–3):133–9
Computer assisted scanning laser monitor of optical quality of the excised crystalline lens. Sivak JG, et al. **Vision Res** 1986;26(11):1873–9
[Studies on anisometropia and aniseikonia in hyperopic anisometropic amblyopia] Okuyama S. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):1028–33 (Eng. Abstr.) **(Jpn)**
[Relation of the development of visual acuity during the 1st year of life and the status of ocular refraction] Kaetkina EV. **Oftalmol Zh** 1987;(3):170–4 (Eng. Abstr.) **(Rus)**
[Ophthalmotonus and the gonioscopic picture in different types of clinical refraction] Kondratenko IuN, et al. **Oftalmol Zh** 1986;(8):478–81 (Eng. Abstr.) **(Rus)**
[Relation between the temperature of the anterior segment of the eye and the type of clinical refraction] Sergienko NM, et al. **Vestn Oftalmol** 1986 Jul–Aug;102(4):55–7 (Eng. Abstr.) **(Rus)**

SURGERY

A rotating slit delivery system for excimer laser refractive keratoplasty. Hanna K, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):474
Refractive surgery [editorial] Kaufman HE. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):355–7
Refractive surgery with the excimer laser. McDonald MB, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 2):469
Epikeratophakia. Correcting visual deficits with corneal tissue. Lambrix KK. **AORN J** 1987 Aug;46(2):218–9, 221–2, 224–5
On predicting ocular power changes in refractive keratoplasty [letter] Patel S. **Arch Ophthalmol** 1987 Aug; 105(8):1017
Ophthalmology's new tools may have profound impact on refractive surgery [news] Kirn TF. **JAMA** 1987 Apr 24; 257(16):2129–30
[Refractive surgery and aeronautic occupational

rehabilitation] Corbe C, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):241–2, 244 **(Fre)**

[Surgery of refractive disorders. Use of lenses composed of human placental collagen (letter)] Colin J, et al. **Presse Med** 1987 May 16;16(18):913–4 **(Fre)**

[The past and present in refractive surgery: Romanian contributions to automation] Olteanu M, et al. **Rev Chir [Oftalmol]** 1987 Jan–Mar;31(1):19–27 (Eng. Abstr.) **(Rum)**

[Hydrogel explants in refraction keratoplasty (experimental study)] Dvali ML, et al. **Vestn Oftalmol** 1986 Sep–Oct; 102(5):40–3 (Eng. Abstr.) **(Rus)**

[Initial experience with analytic study of the optical effect of annular keratography] Krasnov MM. **Vestn Oftalmol** 1986 Jul–Aug;102(4):22–4 (Eng. Abstr.) **(Rus)**

THERAPY

[Aspherical single-strength eyeglasses with improved wearing comfort] Guilino G. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):73–7 (Eng. Abstr.) **(Ger)**

[Use of aspherical and atoric surfaces in the optics of eyeglasses] Kratzer BJ. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):72–6 (Eng. Abstr.) **(Ger)**

[Clinical application of visually evoked saccadic reaction time (V-SRT) in the occlusion therapy of anisometropic amblyopia] Fukushima M, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):420–4 (Eng. Abstr.) **(Jpn)**

[Anisohypermetropic amblyopia. Therapeutic results] Elsås T. **Tidsskr Nor Laegeforen** 1987 Mar 30;107(9):839–40 (Eng. Abstr.) **(Nor)**

[Experimental clinical study of the possibility of correcting ametropia by refractive thermokeratoplasty] Avetisov SE, et al. **Vestn Oftalmol** 1986 Jul–Aug;102(4):27–31 (Eng. Abstr.) **(Rus)**

VETERINARY

[Light microscopy studies of the cornea of Merle dachshunds] Klinckmann G, et al. **DTW** 1987 Jun 9; 94(6):338–41 (Eng. Abstr.) **(Ger)**

REFRACTIVE INDEX see **REFRACTOMETRY**

REFRACTOMETRY

Refractive keratoplasty in monkeys using intracorneal lenses of various refractive indexes. McCarey BE, et al. **Arch Ophthalmol** 1987 Jan;105(1):123–6

Refractive index of meibomian and other lipids. Tiffany JM. **Curr Eye Res** 1986 Nov;5(11):887–9

INSTRUMENTATION

Automated interference refractometer: an algorithm for locating an irregular fringe pattern. Jeavons PG. **J Biomed Eng** 1987 Apr;9(2):157–60

Comparison of the keratometer and the lens bench in measuring intraocular lens power. Olson PF, et al. **J Cataract Refract Surg** 1987 May;13(3):323–4

METHODS

Operating room retinoscopy [letter] Lyle WA. **J Cataract Refract Surg** 1987 Jul;13(4):454–5

[A new method for the quantitative representation of anisometropia] Wu XC. **Chung Hua Yen Ko Tsa Chih** 1986 May;22(3):135–8 (Eng. Abstr.) **(Chi)**

REFRACTORY ANEMIA see **ANEMIA, REFRACTORY**

REFRACTORY ANEMIA WITH EXCESS OF BLASTS see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

REFRACTORY PERIOD, NEUROLOGIC see under **NEURAL CONDUCTION**

REFRACTORY PERIOD, PSYCHOLOGICAL see under **REACTION TIME**

REFRIGERATION

see related
HYPOTHERMIA, INDUCED

Effect of refrigeration on microbial growth in the Blairex Water Purifier. Harris MG, et al. **Am J Optom Physiol Opt** 1987 May;64(5):321–3

Effects of refrigeration on daily microbial bioburden of hydrogel lenses. Lapple WJ, et al. **J Am Optom Assoc** 1987 Mar;58(3):216–21

The use of frozen intravenous crystalloid solutions as the refrigerant for shipping blood. Berger JJ, et al. **Transfusion** 1987 Sep–Oct;27(5):406–10

[Effect of a complex of chemical substances released during the production of polyurethane foam insulation in the manufacture of refrigerators on workers] Pokrovskaia EA, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**

REFSUM'S SYNDROME

BLOOD

Clinical and biochemical heterogeneity in conditions with phytanic acid accumulation. Skjeldal OH, et al. **J Neurol Sci** 1987 Jan;77(1):87–96

DIAGNOSIS

[Refsum's disease. Epidemiologic, clinical and biological correlation. 6 cases] Petit H, et al. **Rev Neurol (Paris)** 1986; 142(5):500–8 (Eng. Abstr.) **(Fre)**

DIET THERAPY

A new dietary therapy for adrenoleukodystrophy: biochemical and preliminary clinical results in 36 patients. Moser AB, et al. **Ann Neurol** 1987 Mar;21(3):240–9

ENZYMOLOGY

Infantile Refsum disease: deficiency of catalase-containing particles (peroxisomes), alkyldihydroxyacetone phosphate synthase and peroxisomal beta-oxidation enzyme proteins. Wanders RJ, et al. **Eur J Pediatr** 1986 Aug;145(3):172–5

METABOLISM

Infantile Refsum's disease: a peroxisomal storage disorder? Manson JI, et al. **Clin Exp Neurol** 1985;21:283–7

Peroxisomes in infantile phytanic acid storage disease: a cytochemical study of skin fibroblasts. Beard ME, et al. **J Inherited Metab Dis** 1986;9(4):321–34

Tissue distribution of phytanic acid and its analogues in a kinship with Refsum's disease. Yao JK, et al. **Lipids** 1987 Feb;22(2):69–75

PATHOLOGY

Hepatic peroxisomes are deficient in infantile refsum disease: a cytochemical study of 4 cases. Roels F, et al. **Am J Med Genet** 1986 Oct;25(2):257–71

URINE

Rapid diagnosis of Zellweger syndrome and infantile Refsum's disease by fast atom bombardment—mass spectrometry of urine bile salts. Lawson AM, et al. **Clin Chim Acta** 1986 Dec 15;161(2):221–31

REFUGEES

Re: "Immune responses to hepatitis B virus and tuberculosis infections in Southeast Asian refugees" [letter]Tower EA. **Am J Epidemiol** 1987 Feb;125(2):350

Into the Sudan. Burgess HA. **Am J Nurs** 1987 Jul;87(7):927–9

Sudden death in sleep of Laotian-Hmong refugees in Thailand: a case-control study. Munger RG. **Am J Public Health** 1987 Sep;77(9):1187–90

Dental health of recent immigrant children in the Newcomer schools, San Francisco. Pollick HF, et al. **Am J Public Health** 1987 Jun;77(6):731–2

Follow-up on tuberculosis treatment in a Cambodian refugee camp [letter] Miles SH. **Am Rev Respir Dis** 1987 Feb; 135(2):512

More on medicine in refugee camps [letter] **Ann Intern Med** 1987 Jun;106(6):916–7

Medicine in Cambodian refugee camps [letter] Coninx R. **Ann Intern Med** 1987 Apr;106(4):642–3

Medicine in Cambodian refugee camps [letter] Elias C, et al. **Ann Intern Med** 1987 Mar;106(3):482

Health care in Cambodian refugee camps [letter] Mastro TD. **Ann Intern Med** 1987 Jan;106(1):173–4

Age specific xerophthalmia rates among displaced Ethiopians. Pizzarello LD. **Arch Dis Child** 1986 Nov; 61(11):1100–3

Dental health education in a refugee camp: an undergraduate student exercise. Randolph PM, et al. **Community Dent Health** 1987 Jun;4(2):177–81

Refugee medical screening in NSW: refugee welfare versus public risk? Reid JC, et al. **Community Health Stud** 1986; 10(3):265–74

A review of mental health services for refugees between 1975 and 1985 and a proposal for future services. Boehnlein JK. **Hosp Community Psychiatry** 1987 Jul;38(7):764–8

Refugee health in Iowa. **Iowa Med** 1987 Jul;77(7):354–5

Eosinophilia in Southeast Asian refugees: evaluation at a referral center. Nutman TB, et al. **J Infect Dis** 1987 Feb; 155(2):309–13

Medical problems in Ethiopian refugees airlifted to Israel: experience in 131 patients admitted to a general hospital. Hershko C, et al. **J Trop Med Hyg** 1986 Jun;89(3):107–12

Leads from the MMWR. Enterically transmitted non-A, non-B hepatitis—East Africa. **JAMA** 1987 May 22–29; 257(20):2704–5

Sudden nocturnal death in Southeast Asian refugees [letter] Colman MF. **JAMA** 1987 Mar 20;257(11):1473

Medicine on the Cambodian border: Khao I Dang [letter] Lamberts AE. **JAMA** 1987 Jul 10;258(2):203

Sudden death in sleep of South-East Asian refugees [letter] Munger RG, et al. **Lancet** 1986 Nov 8;2(8515):1093–4

A review of refugee medical screening in New South Wales. Goldstein GB, et al. **Med J Aust** 1987 Jan 5;146(1):9–12

Enterically transmitted non-A, non-B hepatitis—East Africa. **MMWR** 1987 May 1;36(16):241–4

Sudden unexplained death syndrome in Southeast Asian refugees: a review of CDC surveillance. Parrish RG, et al. **MMWR CDC Surveill Summ** 1987 Feb;36(1):43SS–53SS

Protocol for hepatitis screening and follow-up of Southeast Asian refugees. Poss JE. **Nurse Pract** 1987 Jul;12(7):8–10, 15

Health care needs of Indochinese refugee teenagers. Fitzpatrick S, et al. **Pediatrics** 1987 Jan;79(1):118–24

Tai Dam health care practices: Asian refugee women in Iowa. Bell SE, et al. **Soc Sci Med** 1987;24(4):317–25

Role of community health workers in trachoma control. Case study from a Somali refugee camp. Anderson JD, et al. **Trop Doct** 1986 Apr;16(2):66–9

[Prevalence of Blastocystis hominis in refugees (letter)] Conen D, et al. **Dtsch Med Wochenschr** 1987 Sep 18; 112(38):1477 **(Ger)**

[Does selective intervention affect other areas of primary health care? Evaluation of a vaccination program in Somali refugee camps] Cadotsch AF. **Soz Praventivmed** 1986; 31(6):302–7 (Eng. Abstr.) **(Ger)**

[Report of an outbreak of invasive amebiasis in children at a camp for victims of the Chichonal volcano] González-Galnares M, et al. **Arch Invest Med (Mex)** 1986; 17 Suppl 1:365–8 (Eng. Abstr.) **(Spa)**

[Nutritional evaluation of Guatemalan refugees and the Mexican population in the rural area of Chiapas] Flores-Huerta S, et al. **Bol Med Hosp Infant Mex** 1986 Oct;43(10):612–7 (Eng. Abstr.) **(Spa)**

[Transmissible diseases in Guatemalan refugees and in the rural Mexican population in Chiapas] González Galnares M, et al. **Salud Publica Mex** 1987 Jan–Feb;29(1):41–8 (Eng. Abstr.) **(Spa)**

[Intestinal parasitoses in Guatemalan refugees and in the rural Mexican population in Chiapas] Martínez García C, et al. **Salud Publica Mex** 1987 Jan–Feb;29(1):33–40 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Indochinese versions of the Hopkins Symptom Checklist-25: a screening instrument for the psychiatric care of refugees. Mollica RF, et al. **Am J Psychiatry** 1987 Apr; 144(4):497–500

Psychotherapy with severely traumatized refugees. Kinzie JD, et al. **Am J Psychother** 1987 Jan;41(1):82–94

Mental health problems of encamped refugees. Guatemalan refugees in Mexican camps, 1978–1984. Urrutia G. **Bull Menninger Clin** 1987 Mar;51(2):170–85

Gold award: mental health treatment that transcends cultural barriers. Indochinese Psychiatric Clinic, Oregon Health Sciences University, Portland. **Hosp Community Psychiatry** 1986 Nov;37(11):1144–7

Adult fears of four ethnic groups: whites, Chinese, Japanese and "boat people".Myers KM, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):56–67

The Mariel refugee and the New York Criminal Court. Harmon RB, et al. **J Forensic Sci** 1987 May;32(3):725–35

Measuring psychiatric disorder among Southeast Asian refugees. Beiser M, et al. **Psychol Med** 1986 Aug; 16(3):627–39

A population-based survey of loss and psychological distress during war. Hourani LL, et al. **Soc Sci Med** 1986; 23(3):269–75

Vietnamese refugee children in camps in Hong Kong. Tsoi MM, et al. **Soc Sci Med** 1986;23(11):1147–50

[Hyperventilation in refugees] Jensen PH, et al. **Ugeskr Laeger** 1986 Aug 18;148(34):2187–8 (Eng. Abstr.) **(Dan)**

[Ethno-psychiatric crisis situation: the case of refugees seeking asylum in black Africa] Lalive J, et al. **Ann Med Psychol (Paris)** 1987 Mar;145(3):225–36 **(Fre)**

REFUSE DISPOSAL

Occupational exposure to airborne dust, respirable quartz and metals arising from refuse handling, burning and landfilling. Mozzon D, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):111–6

Heat strain and heat stress for workers wearing protective suits at a hazardous waste site. Paull JM, et al. **Am Ind Hyg Assoc J** 1987 May;48(5):458–63

Health problems reported by residents of a neighborhood contaminated by a hazardous waste facility. Ozonoff D, et al. **Am J Ind Med** 1987;11(5):581–97

Leaching of chemical contaminants from a municipal landfill site. Cyr F, et al. **Bull Environ Contam Toxicol** 1987 May; 38(5):775–82

Toxicological evaluation of the leachate from a closed urban landfill. Radi LM, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):337–44

Solid state fermentation of swine manures. Hsu JP, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Feb;19(1):61–8

Trees as indicators of subterranean water flow from a retired radioactive waste disposal site. Rickard WH, et al. **Health Phys** 1987 Feb;52(2):201–6

In situ methods to control emissions from surface impoundments and landfills. Springer C, et al. **J Air Pollut Control Assoc** 1986 Dec;36(12):1371–4

Food discard practices of householders. Van Garde SJ, et al. **J Am Diet Assoc** 1987 Mar;87(3):322–9

Monitoring of radioactive "dirty linen" after iodine-131 therapy [letter] Marcus CS, et al. **J Nucl Med** 1987 Jun;

28(6):1064
Model studies of polychlorinated dibenzo-p-dioxin formation during municipal refuse incineration. Karasek FW, et al. **Science** 1987 Aug 14;237(4816):754–6
[Various kinds of refuse at the hospital—practical recommendations for classification] Klee P, et al. **Off Gesundheitswes** 1986 Dec;48(12):660–1 (Eng. Abstr.) **(Ger)**
[Simplified control of water samples of ground water control levels at refuse dumps] Ramin E, et al. **Z Gesamte Hyg** 1986 Dec;32(12):711–2 (Eng. Abstr.) **(Ger)**

ECONOMICS

Disposal costs for radioactive waste steadily increase. Cherskov M. **Hospitals** 1986 Dec 20;60(24):80

METHODS

Degree of public support for household hazardous waste control alternatives. Tuthill RW, et al. **Am J Public Health** 1987 Mar;77(3):304–6
Incineration cuts waste-disposal costs. Holthaus D. **Hospitals** 1987 Oct 5;61(19):154, 156
Double-bagging of items from isolation rooms is unnecessary as an infection control measure: a comparative study of surface contamination with single- and double-bagging. Maki DG, et al. **Infect Control** 1986 Nov;7(11):535–7
Anaerobic digestion of organic fraction of municipal solid wastes—digester performance. Cecchi F, et al. **Sci Total Environ** 1986 Nov 15;56:183–97

STANDARDS

Recapping needles safely using a recapping adapter. Bailey E. **Am J Infect Control** 1986 Dec;14(6):30A–31A
Appropriate needle disposal: implementing change to reduce injury and lessen risk. Roberts S, et al. **Am J Infect Control** 1986 Oct;14(5):32A–34A

REGENERATION

Topical application of tetracycline in regenerative periodontal surgery in beagles. Claffey N, et al. **Acta Odontol Scand** 1987 Jun;45(3):141–6
Satellite cells express the trophic factor IGF-I in regenerating skeletal muscle. Jennische E, et al. **Acta Physiol Scand** 1987 Jan;129(1):9–15
Rapid regeneration in postischaemic skeletal muscle with undisturbed microcirculation. Jennische E. **Acta Physiol Scand** 1986 Nov;128(3):409–14
Rats with regenerating adrenals are more hypertensive in the morning than afternoon. Foulkes R, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1025–31
Biphasic mode of epithelial regeneration in murine pulmonary alveoli. Coulombe PA, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):263–6
The movement of muscle precursor cells between adjacent regenerating muscles in the mouse. Watt DJ, et al. **Anat Embryol (Berl)** 1987;175(4):527–36
An immunofluorescent analysis of lectin binding to normal and regenerating skeletal muscle of rat. Gulati AK, et al. **Anat Rec** 1985 Jun;212(2):113–7
Histological analysis of limb regeneration in postmetamorphic adult Ambystoma. Young HE, et al. **Anat Rec** 1985 Jun;212(2):183–94
Neuroendocrine and bone marrow factors for control of marrow transplantation and tissue regeneration. Pierpaoli W, et al. **Ann NY Acad Sci** 1987;496:27–38
Regulation of the synthesis and assembly of ciliary and flagellar proteins during regeneration. Lefebvre PA, et al. **Annu Rev Cell Biol** 1986;2:517–46 (121 ref.)
Hercules and hydra. Goldsmith LA. **Arch Dermatol** 1987 Jan; 123(1):117–8
Regeneration of human tendons after homologous tendon-graft transplantation. A morphological study of 25 cases. Józsa L, et al. **Arch Orthop Trauma Surg** 1987; 106(5):268–73
Villous regeneration in ulcerative colitis. Lee RG. **Arch Pathol Lab Med** 1987 Mar;111(3):276–8
Arterial regeneration over polydioxanone prostheses in the rabbit. Greisler HP, et al. **Arch Surg** 1987 Jun;122(6):715–21
Cartilage and bone repair: experimental and clinical studies. Glowacki J. **Arthroscopy** 1986;2(3):169–73
Tissue regeneration in the reconstruction of lost bone and soft tissue in the lower limbs: a preliminary report. Martini Z, et al. **Br J Plast Surg** 1987 Mar;40(2):142–8
Correlations between phases of deer antler regeneration and levels of serum keratan sulfate. Dinsmore CE, et al. **Calcif Tissue Int** 1986 Oct;39(4):244–7
Stimulation in cell culture of mesenchymal cells of newt limb blastemas by EDGF I or II (basic or acidic FGF). Albert P, et al. **Cell Differ** 1987 Jun;21(1):63–8
Increased prolactin binding and morphological changes in the wound epithelium of regenerating limbs of Notophthalmus viridescens. Furlong ST, et al. **Cell Tissue Res** 1987 Aug;249(2):411–9
Origin of regenerating Leydig cells in the testis of the adult rat. An ultrastructural, morphometric and hormonal assay study. Kerr JB, et al. **Cell Tissue Res** 1987 Aug; 249(2):367–77
Regeneration of Leydig cells in unilaterally cryptorchid rats: evidence for stimulation by local testicular factors. Kerr JB, et al. **Cell Tissue Res** 1986;245(3):649–55
Initiation and duration of muscle precursor replication after mild and severe injury to skeletal muscle of mice. An autoradiographic study. McGeachie JK, et al. **Cell Tissue Res** 1987 Apr;248(1):125–30
Compensatory spleen growth and protective function in rats. Van Wyck DB, et al. **Clin Sci** 1986 Nov;71(5):573–9
Sodium and bicarbonate fluxes in regenerating rabbit corneal endothelium. Green K, et al. **Curr Eye Res** 1987 May; 6(5):675–81
Influence of pinealectomy on the mitotic activity of regenerating adrenal cortex in rats. Zieleniewski J, et al. **Cytobios** 1986;47(189):85–8
Expression of myosin heavy chain isoforms in regenerating myotubes of innervated and denervated chicken pectoral muscle. Cerny LC, et al. **Dev Biol** 1987 Feb;119(2):350–62
The migration of dermal cells during blastema formation in axolotls. Gardiner DM, et al. **Dev Biol** 1986 Dec; 118(2):488–93
Retinoic acid-binding protein in the axolotl: distribution in mature tissues and time of appearance during limb regeneration. Keeble S, et al. **Dev Biol** 1986 Oct; 117(2):435–41
A possible role for the vascular membrane in retinal regeneration in Rana catesbienna tadpoles. Reh TA, et al. **Dev Biol** 1987 Aug;122(2):471–82
Immunochemical analysis of protein isoforms in thick myofilaments of regenerating skeletal muscle. Saad AD, et al. **Dev Biol** 1987 Feb;119(2):336–49
Differentiation of prospective mouse pancreatic islet cells during development in vitro and during regeneration. Teitelman G, et al. **Dev Biol** 1987 Apr;120(2):425–33
Image analysis of blastema cell proliferation in denervated limb regenerates of the newt, Pleurodeles waltlii M. Boilly B, et al. **Differentiation** 1986;32(3):208–14
Myeloid regeneration after bone-marrow transplantation monitored by serum measurements of myeloperoxidase, lysozyme and lactoferrin. Oberg G, et al. **Eur J Haematol** 1987 Apr;38(4):356–62
Regeneration of the femoral artery following experimental end-to-end anastomosis in the rat. An ultrastructural follow-up. Maes L, et al. **Eur Surg Res** 1987;19(3):185–92
Skin histogenesis during hind limb regeneration in larval and metamorphotic stages of the Egyptian toad Bufo regularis Reuss. Michael MI, et al. **Folia Morphol (Praha)** 1986; 34(4):386–94
Mitochondrial changes during dedifferentiation and redifferentiation of regenerating hind limbs in larval and metamorphic stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1987;35(1):86–95
Variability of lipids and glycogen during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):265–71
Demonstration of proteins and nucleic acids during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):272–9
Dedifferentiation and redifferentiation during hind limb regeneration in Bufo regularis Reuss and sources of regenerative blastema formation. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(4):377–85
Histochemical and morphological study of the regenerating corneal epithelium after limbus-to-limbus denudation. Steuhl KP, et al. **Graefes Arch Clin Exp Ophthalmol** 1987; 225(1):53–8
The effect of the hydrolytic state of dietary protein on post-irradiation morbidity and mucosal cell regeneration [published erratum appears in Int J Radiat Oncol Biol Phys 1987 Aug;13(8):1267] Beitler MK, et al. **Int J Radiat Oncol Biol Phys** 1987 Mar;13(3):385–91
Late modifications of residual parenchyma after splenic resections. Tiberio G, et al. **Ital J Surg Sci** 1986;16(2):111–5
The root surface and regeneration; present therapeutic limitations and future biologic potentials. Polson AM. **J Clin Periodontol** 1986 Nov;13(10):995–9
Stress and changes in the blood of newts, Notophthalmus viridescens, during early regeneration. Bennett MF. **J Comp Physiol [A]** 1986 Dec;159(6):823–6
Basal lamina of the dermal capillary: concentric multilamination following regeneration processes. Imayama S, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):456–9
Self-organization of ependyma in regenerating teleost spinal cord: evidence from serial section reconstructions. Anderson MJ, et al. **J Embryol Exp Morphol** 1986 Jul; 96:1–18
The regeneration of double dorsal and double ventral limbs in the axolotl. Burton R, et al. **J Embryol Exp Morphol** 1986 Jun;94:29–46
Regeneration of mammary glands in vivo from isolated mammary ducts. Ormerod EJ, et al. **J Embryol Exp Morphol** 1986 Jul;96:229–43
Regeneration from half lower arms in the axolotl. Wigmore P. **J Embryol Exp Morphol** 1986 Jun;95:247–60
The discontinuous visual projections on the Xenopus optic tectum following regeneration after unilateral nerve section. Willshaw DJ, et al. **J Embryol Exp Morphol** 1986 Jun;94:121–37
Influence of the cryptorchid testis on the regeneration of rat Leydig cells after administration of ethane dimethane sulphonate. Risbridger GP, et al. **J Endocrinol** 1987 Feb; 112(2):197–204
Intrinsic control of regenerative loss in Xenopus laevis limbs. Muneoka K, et al. **J Exp Zool** 1986 Oct;240(1):47–54
Native variant limb skeletal patterns in the red-backed salamander, Plethodon cinereus, are not regenerated. Dinsmore CE, et al. **J Morphol** 1986 Nov;190(2):191–200
Absence of exogenous satellite cell contribution to regeneration of frozen skeletal muscle. Schultz E, et al. **J Muscle Res Cell Motil** 1986 Aug;7(4):361–7
Maturation, dystrophic changes and the continuous production of fibers in skeletal muscle regenerating in the absence of nerve. Mussini I, et al. **J Neuropathol Exp Neurol** 1987 May;46(3):315–31
Regeneration and repair of periodontal tissues. Egelberg J. **J Periodont Res** 1987 May;22(3):233–42 (182 ref.)
Nature and mechanisms of regeneration of the junctional epithelial phenotype. Mackenzie IC. **J Periodont Res** 1987 May;22(3):243–5
New attachment formation by guided tissue regeneration. Nyman S, et al. **J Periodont Res** 1987 May;22(3):252–4
Regeneration of the connective tissue attachment on surgically exposed roots using a fibrin-fibronectin adhesive system. An experimental on the baboon (Papio ursinus). Ripamonti U, et al. **J Periodont Res** 1987 Jul;22(4):320–6
Biochemically mediated periodontal regeneration. Terranova VP, et al. **J Periodont Res** 1987 May;22(3):248–51
Periodontal regeneration via selective cell repopulation. Caton JG, et al. **J Periodontol** 1987 Aug;58(8):546–52
A biochemical approach to periodontal regeneration. AFSCM: assays for specific cell migration. Terranova VP, et al. **J Periodontol** 1987 Apr;58(4):247–57
Failure of melatonin to inhibit the mitotic activity of regenerating adrenal cortex in rats. Karasek M, et al. **J Pineal Res** 1987;4(2):197–200
Cytochemical localization of calcium in mitochondria of regenerating rat adrenal cortex. A study of adrenal regeneration hypertension. Nickerson PA. **J Submicrosc Cytol** 1987 Jan;19(1):63–9
Sequential studies of arterial wall regeneration in microporous, compliant, biodegradable small-caliber vascular grafts in rats. van der Lei B, et al. **J Thorac Cardiovasc Surg** 1987 May;93(5):695–707
Induction of intestinal metaplasia in rats by N-ethyl-N'-nitro-N-nitrosoguanidine but not by sodium hydroxide. Kojima N, et al. **Jpn J Cancer Res** 1987 Feb; 78(2):126–33
A stimulator of mouse stem cell proliferation produced by human regenerating bone marrow. Oishi H, et al. **Leuk Res** 1987;11(8):699–704
Experimental contributions to the regeneration of the renal capsule after decapsulation of the kidney (the so-called neocapsule). Galajda Z, et al. **Morphol Embryol (Bucur)** 1987 Jan-Mar;33(1):41–6
Molecular forms and localization of acetylcholinesterase and nonspecific cholinesterase in regenerating skeletal muscles. Sketelj J, et al. **Neurochem Res** 1987 Feb;12(2):159–65
Lack of ingrowth of retinal axons into the visually deafferented superior colliculus in young rats: a horseradish peroxidase study. Gan SK, et al. **Neurosci Lett** 1986 Sep 25;70(1):10–6
Time course and cellular source of pancreatic regeneration following acute pancreatitis in the rat. Elsässer HP, et al. **Pancreas** 1986;1(5):421–9
Does the nail bed really regenerate? Ogo K. **Plast Reconstr Surg** 1987 Sep;80(3):445–7
Effects of forelimb amputation and denervation on protein synthesis in spinal cord ganglia of the newt. Bao CY, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7971–4
Expression and function of neural cell adhesion molecule during limb regeneration. Maier CE, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8395–9
Plasminogen activators and inhibitors: roles in muscle and neuromuscular regeneration. Festoff BW, et al. **Prog Brain Res** 1987;71:423–31
Muscle regeneration revisited: growth factor regulation of myogenic cell replication. Strohman RC, et al. **Prog Clin Biol Res** 1986;226:287–96 (21 ref.)
The postnatal pattern of ornithine decarboxylase activity reveals a disparity of rat brain regeneration capacity after prenatal X-ray or 5-azacytidine treatment. Weber LW, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):225–34
Immunoarchitecture of the regenerating rat spleen: effects of partial splenectomy and heterotopic autotransplantation. Dugan MC, et al. **Scan Electron Microsc** 1986;(Pt 2):607–13
A rapid fluorescence method for observing phloem regeneration in Coleus blumei. Prazak JA, et al. **Stain Technol** 1987 Jul;62(4):276–8
Regeneration of vas deferens after vasectomy. Cruickshank B, et al. **Urology** 1987 Aug;30(2):137–42
Regeneration and function of autotransplantation of splenic tissue after splenectomy. Christenson JT, et al. **World J Surg** 1986 Oct;10(5):860–6
[Ultrastructural study of striated muscle repair after ischemia] Chen LE. **Chung Hua Wai Ko Tsa Chih** 1986 May; 24(5):274–5, 316 (Eng. Abstr.) **(Chi)**
[Muscular regeneration by autograft of in vitro multiplied satellite cells] Alameddine H, et al. **C R Acad Sci [III]** 1987;304(20):493–8 (Eng. Abstr.) **(Fre)**
[Regeneration of the rabbit corneal endothelium following direct Nd:YAG laser trauma] Hartmann C, et al. **Fortschr Ophthalmol** 1986;83(4):444–7 (Eng. Abstr.) **(Ger)**
[Regeneration of human corneal endothelium following

direct Nd:YAG laser trauma] Hartmann C, et al. **Fortschr Ophthalmol** 1986;83(4):448–52 (Eng. Abstr.) **(Ger)**

[Endothelial regeneration following corneal cryogenic trauma] Weber U, et al. **Fortschr Ophthalmol** 1987; 84(3):237–8 (Eng. Abstr.) **(Ger)**

[Lymph vessel regeneration following replantation and free microvascular flap–plasty] Piza–Katzer H, et al. **Vasa** 1987; 16(1):60–6 (Eng. Abstr.) **(Ger)**

[Analytical study of Xenopus hindlimb regenerate with special reference to muscle regeneration] Fujikura K, et al. **Jikken Dobutsu** 1986 Oct;35(4):421–32 (Eng. Abstr.) **(Jpn)**

[Fibronectin in cultured chick retinal pigment epithelial cells. 3. The production of fibronectin after laser burn] Yamakawa R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr; 91(4):409–14 (Eng. Abstr.) **(Jpn)**

[Healing process of experimental duodenal ulcer in rats—regeneration of intestinal epithelium from Brunner's glands] Igarashi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov; 83(11):2334–40 (Eng. Abstr.) **(Jpn)**

[Regeneration of the parathyroid glands in experimental hyperthyroidism] Pavlov AV, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):54–9 (Eng. Abstr.) **(Rus)**

[Regeneration of the parathyroid glands after partial resection] Pavlov AV. **Arkh Anat Gistol Embriol** 1986 Sep; 91(9):77–80 (Eng. Abstr.) **(Rus)**

[Apoptosis and regeneration of enterocytes in experimental atrophy of the small intestine mucosa] Aruin AI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):238–41 (Eng. Abstr.) **(Rus)**

[The role of endogenous regulators in the compensatory process after salivary gland resection] Denisov AB, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):473–6 (Eng. Abstr.) **(Rus)**

[Morphological signs of reparative regeneration of the aortic endothelium undergoing repeated injuries] Rekhter MD, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):98–101 (Eng. Abstr.) **(Rus)**

[Effect of plasma flow on the regeneration of skin wounds and body reactivity] Stupin IV, et al. **Biull Eksp Biol Med** 1987 May;103(5):565–6 (Eng. Abstr.) **(Rus)**

[Plasticity of minced muscle tissue of old animals] Studitskiĭ AN, et al. **Dokl Akad Nauk SSSR** 1987;292(4):978–81 **(Rus)**

[Dynamics of the structural transformation of skeletal muscle tissue autotransplanted into the rat spinal canal] Zhenevskaia RP, et al. **Dokl Akad Nauk SSSR** 1987; 294(5):1221–4 **(Rus)**

[Gastroduodenal ulcer as a manifestation of regenerative disorders of the mucous membrane] Dudchenko MA, et al. **Klin Med (Mosk)** 1987 Jun;65(6):142–5 **(Rus)**

[Biological and clinical aspects of crystalline lens regeneration] Mal'tsev EV. **Oftalmol Zh** 1987;(2):115–20 (84 ref.) **(Rus)**

[Growth-regulating substances in reparative regeneration of the spleen] Svirnovskiĭ AI, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):74–7 (Eng. Abstr.) **(Rus)**

[Regeneration of implants after autotransplantation of the spleen] Belko I, et al. **Bratisl Lek Listy** 1987 Mar; 87(3):275–84 (Eng. Abstr.) **(Slo)**

[Splenic regeneration after partial splenectomy for hydatid cyst of the spleen] García Fidalgo G, et al. **Rev Esp Enferm Apar Dig** 1986 Dec;70(6):561–3 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effect of alpha–difluoromethylornithine on ornithine decarboxylase activity in compensatory growth of mouse lung. Bardócz S, et al. **Acta Biochim Biophys Hung** 1986; 21(1–2):59–65

Regenerating skeletal muscle cells express insulin–like growth factor I. Jennische E, et al. **Acta Physiol Scand** 1987 Jun;130(2):327–32

Lens regeneration from cultured newt irises stimulated by retina–derived growth factors (EDGFs). Cuny R, et al. **Differentiation** 1986;32(3):221–9

Inhibition of arm regeneration by Ophioderma brevispina (Echinodermata, Ophiuroidea) by tributyltin oxide and triphenyltin oxide. Walsh GE, et al. **Ecotoxicol Environ Safety** 1986 Aug;12(1):95–100

Nerve and muscle regeneration after axonal division in rats treated with isaxonine phosphate (isopropylamino–2–pyrimidine phosphate). Becker CM, et al. **Eur Surg Res** 1986;18(6):383–9

Role of ecdysone and eyestalk factors in regulating regeneration in larval crustaceans. McConaugha JR, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):387–93

Effect of beta–amino–propionitrile on the regenerating newt limb evaluated by uptake of 3H–proline and 3H–lysine. Herskovits MS, et al. **Growth** 1987 Spring;51(1):44–9

Effects of various steroids on the thymus, spleen, ventral prostate and seminal vesicles in old orchidectomized rats. Fitzpatrick FT, et al. **J Endocrinol** 1987 Apr;113(1):51–5

Regeneration of the thymus in old male rats treated with a stable analogue of LHRH. Greenstein BD, et al. **J Endocrinol** 1987 Mar;112(3):345–50

Reappearance of the thymus in old rats after orchidectomy: inhibition of regeneration by testosterone. Greenstein BD, et al. **J Endocrinol** 1986 Sep;110(3):417–22

Neurotrophic effects of beta endorphin C–terminal tetrapeptide (MPF) [published erratum appears in Neuropeptides 1987 Jan;9(1):92] Morley JS, et al. **Neuropeptides** 1986 Jul;8(1):45–9

Acceleration of pancreatic regeneration by cholecystokinin in rats. Majumdar AP, et al. **Pancreas** 1987;2(2):199–204

[In vitro development of blastema cells in axolotl limb regeneration: effect of insulin and nerve extracts on cellular proliferation] Albert P, et al. **Biol Cell** 1986;58(3):251–61 (Eng. Abstr.) **(Fre)**

[Regeneration capacity in retina and vitreous body changes following extraction of intravitreal copper particles] Schmidt JG, et al. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):39–43 (Eng. Abstr.) **(Ger)**

[Role of impaired regeneration of the mucosal epithelium in the pathogenesis of acute ulcers of the stomach and small intestine] Cherviak PI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):371–3 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the action of serum proteins on tissue regeneration] Miroshnikov VM, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):95–7 (Eng. Abstr.) **(Rus)**

[Dalargin—a regulator of reparative tissue regeneration] Spevak SE, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):78–81 **(Rus)**

[Changes in the reparative regeneration processes in the stomach of rats orally given boron–containing waters] Korolev IuN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep–Oct;(5):17–9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The effect of X–irradiation on skeletal muscle regeneration in the adult rat. Gulati AK. **J Neurol Sci** 1987 Mar; 78(1):111–20

[Stimulation of post–traumatic regeneration of x–irradiated skeletal muscles in old rats] Buliakova NV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):481–3 (Eng. Abstr.) **(Rus)**

[Cells that maintain long–term hematopoiesis in culture do not possess the capacity for regeneration following irradiation] Deriugina EI, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):96–9 (Eng. Abstr.) **(Rus)**

[Destruction and regeneration of the seminiferous tubules after local x–ray irradiation of the testes of sexually mature rats] Kurnosova TR, et al. **Ontogenez** 1987 Mar–Apr; 18(2):183–91 (Eng. Abstr.) **(Rus)**

REGIONAL BLOOD FLOW

Central haemodynamics and regional blood flows during thoracic epidural analgesia combined with positive pressure ventilation. An experimental study in the pig. Feuk U, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):479–86

Interpretation of oxygen disappearance curves measured in blood perfused tissues. Buerk DG, et al. **Adv Exp Med Biol** 1986;200:151–61

Standardization of a device for continuous observation of local flow in tissue. Vermariën H, et al. **Adv Exp Med Biol** 1986;200:143–50

New aspects on the mechanism of autoregulation of blood flow. Weiss C, et al. **Adv Exp Med Biol** 1973;37A:417–22

Effects of maternal anemia on cardiac output, systemic oxygen consumption, and regional blood flow in pregnant sheep. Edelstone DI, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):740–8

Effects of cord compression on fetal blood flow distribution and O2 delivery. Itskovitz J, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 2):H100–9

Blood flow and surface–induced thrombosis. Grasel TG, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):515–20

Axial diffusion and wall permeability effects in perfused capillary–tissue structures. Fletcher JE, et al. **Biosystems** 1987;20(2):153–74

Heterogeneous organ models. Bateman JM. **Bull Math Biol** 1986;48(5–6):525–43

A study on the non–linear flow of blood through arteries. Misra JC, et al. **Bull Math Biol** 1987;49(3):257–77

A probabilistic approach for evaluating a technique for an indirect monitoring of the capillary blood flow to the gastric parietal cells. Torrång I, et al. **Bull Math Biol** 1987; 49(2):171–85

Baroreceptor function in congestive heart failure: effect on neurohumoral activation and regional vascular resistance. Hirsch AT, et al. **Circulation** 1987 May;75(5 Pt 2):IV36–48 (133 ref.)

Competition for cool nasal blood between trunk and brain in hyperthermic goats. Caputa M, et al. **Comp Biochem Physiol [A]** 1986;85(3):423–7

The effect of acclimatization on blood flow and its distribution in normothermic and hyperthermic domestic fowl. Wolfenson D. **Comp Biochem Physiol [A]** 1986; 85(4):739–42

Oxygen transport: an analysis of short–term blood flow autoregulation. Gaar KA Jr. **Comput Biomed Res** 1987 Jun; 20(3):214–24

Effects of induced hypothermia on organ blood flow in a hibernator and a nonhibernator. Sjöquist PO, et al. **Cryobiology** 1986 Oct;23(5):440–6

Pericardial and vascular pressures and blood flow in the albacore tuna, Thunnus alalunga. Lai NC, et al. **Exp Biol** 1987;46(4):187–92

Microscopic structure of disturbed flows in the arterial and venous systems, and its implication in the localization of vascular diseases. Karino T. **Int Angiol** 1986 Oct–Dec; 5(4):297–313

Distribution of blood flow in muscles of miniature swine during exercise. Armstrong RB, et al. **J Appl Physiol** 1987 Mar;62(3):1285–98

Progressive elevations in muscle blood flow during prolonged exercise in swine. Armstrong RB, et al. **J Appl Physiol** 1987 Jul;63(1):285–91

Systemic and intestinal limits of O2 extraction in the dog. Nelson DP, et al. **J Appl Physiol** 1987 Jul;63(1):387–94

A system for cerebral blood flow measurement using an H215O autoradiographic method and positron emission tomography. Kanno I, et al. **J Cereb Blood Flow Metab** 1987 Apr;7(2):143–53

Blood flow in the heart and large vessels. Sugawara M. **Med Prog Technol** 1987;12(1–2):65–76

Mathematical circulation model for the blood–flow–heat–loss relationship in the rat tail. Raman ER, et al. **Phys Med Biol** 1987 Jul;32(7):859–75

Deuterium nuclear magnetic resonance measurements of blood flow and tissue perfusion employing 2H2O as a freely diffusible tracer. Ackerman JJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4099–102

Evidence that secondary mixed leukocyte culture supernatant mediates changes in cellular recruitment, blood flow, and vascular permeability. Hanto DW, et al. **Transplantation** 1986 Dec;42(6):621–7

[Comparison of 85Sr–microspheres, 86Rb and 125I–antipyrine as indicators of regional blood flow in laboratory rats] Kapitola J, et al. **Cesk Fysiol** 1986; 35(6):509–13 **(Cze)**

[Is organ failure in hypovolemic–traumatic shock the result of the reperfusion syndrome or of other mediators?] Schlag G, et al. **Anaesthesist** 1986 Nov;35(11):651–60 (68 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Different effects of beta–1–adrenergic blocking agents with ISA or without ISA on peripheral blood flow. Karnik R, et al. **Angiology** 1987 Apr;38(4):296–303

Effects of Chrysanthemum indicum Linn. on coronary, vertebral, renal and aortic blood flows of the anesthetized dog. Kato T, et al. **Arch Int Pharmacodyn Ther** 1987 Feb; 285(2):288–300

Influence of basal perfusion pressure on vasoconstrictor and vasodilator responses induced sympathetically and reflexly in pump–perfused rat hindquarters. Nishimura M, et al. **Arch Int Pharmacodyn Ther** 1986 Sep;283(1):105–23

Acute effects of bunazosin on aortic, vertebral, coronary and renal blood flows of anesthetized dogs. Sakanashi M, et al. **Arzneimittelforschung** 1986 Aug;36(8):1202–5

Effects of midodrine on blood flow in dog vascular beds. Tsuchida K, et al. **Arzneimittelforschung** 1986 Dec; 36(12):1745–8

Effects of captopril on peripheral hemodynamics in severe congestive heart failure. Nishimura H, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):587–91

The effects of nifedipine on regional vascular resistance and blood flow in the spontaneously hypertensive rat. Reed BV, et al. **Clin Exp Hypertens [A]** 1986;8(6):963–79

Vascular bed and vasoconstrictor–dependent selectivity of the calcium channel antagonist, PN 200–110. Bijak A, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):313–7

Selective actions of calcium antagonistic drugs on the haemodynamics and regional organ blood flow in rats. McCann E, et al. **Int J Tissue React** 1986;8(3):205–12

Effects of the antihypertensive prostaglandin analog Ro 22–1327 on regional blood flows in the spontaneously hypertensive rat. Harper SL, et al. **J Cardiovasc Pharmacol** 1987 Mar;9(3):285–90

The effects of dopamine infusion on regional blood flow in newborn lambs. Feltes TF, et al. **Pediatr Res** 1987 Feb; 21(2):131–6

Dual effect of naloxone on blood platelet aggregation and cerebral blood flow in gerbils. Turčáni P, et al. **Thromb Res** 1986 Dec 15;44(6):817–28

The effects of blood flow and detoxification on in vivo cholinesterase inhibition by soman in rats. Maxwell DM, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):66–76

REGIONAL HEALTH PLANNING

The choice of place of delivery. Effect of hospital level on mortality in all singleton births in New York City. Paneth N, et al. **Am J Dis Child** 1987 Jan;141(1):60–4

A plan for paediatric surgery [editorial] Gough MH. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1118–9

What are health authorities doing about the health problems caused by unemployment? [published erratum appears in Br Med J [Clin Res] 1987 Jun 6;294(6585):1458] Harris C, et al. **Br Med J [Clin Res]** 1987 Apr 25;294(6579):1076–9

Methods for developing relative need criteria to accompany a health care capital expenditure limit. Hannan EL, et al. **J Health Polit Policy Law** 1987 Spring;12(1):113–36

Combining data on health care utilization and socioeconomic status of a defined population: use of a population oriented health information system for regional planning. Brommels M, et al. **Med Inf (Lond)** 1987 Apr–Jun;12(2):147–57

[Economic efficacy of hygienic recommendations in regional planning] Balatskiĭ OF, et al. **Gig Sanit** 1987 Feb;(2):16–8 (Eng. Abstr.) **(Rus)**

[Efficient location of primary therapeutic-preventive institutions in rural locales] Petrikhin VP. **Sov Zdravookhr** 1987;(1):20–2 (Eng. Abstr.) **(Rus)**

LEGISLATION & JURISPRUDENCE

Fear of expansion keeps CON alive. Burda D. **Hospitals** 1987 Jun 20;61(12):76

New secretary of health stresses prevention [interview] Richards NM. **Pa Med** 1987 Jun;90(6):10, 12, 15–6

METHODS

[Method of preventive surveillance for regional planning] Korenevskaia EI, et al. **Gig Sanit** 1987 Jan;(1):30–2 **(Rus)**

ORGANIZATION & ADMINISTRATION

A new health region for London? [letter] Thould AK. **Br Med J [Clin Res]** 1987 Jan 17;294(6565):181–2

TRENDS

Progress toward meeting the 1990 nutrition objectives for the nation: nutrition services and data collection in state/territorial health agencies. Kaufman M, et al. **Am J Public Health** 1987 Mar;77(3):299–303

Vertical integration: exploration of a popular strategic concept. Brown M, et al. **Health Care Manage Rev** 1986 Fall;11(4):7–19

Obstetrics in family practice: a personal and political perspective. Candib L. **J Fam Pract** 1976 Aug;3(4):391–6

[Hygiene and regional planning: content and tasks at the present time] Dobrinskiĭ AA. **Gig Sanit** 1987 Feb;(2):6–9 (Eng. Abstr.) **(Rus)**

REGIONAL HOSPITAL PLANNING see **HOSPITAL PLANNING**

REGIONAL MEDICAL PROGRAMS

The components of a comprehensive district health service for elderly people—a personal view. Horrocks P. **Age Ageing** 1986 Nov;15(6):321–42

Regional program for prevention of premature birth in northwestern North Carolina. Meis PJ, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):550–6

Perinatal market penetration rate. A tool to evaluate regional perinatal programs. Powers WF, et al. **Am J Perinatol** 1987 Jan;4(1):24–8

Regionalization of perinatal care and its effect on perinatal mortality. Mir NA. **Indian J Pediatr** 1986 May–Jun; 53(3):335–8

[Elements of a regional program for the control and prevention of sexually transmitted diseases in the Montreal region] Adrien A, et al. **Union Med Can** 1986 Aug; 115(8):519–21 (Eng. Abstr.) **(Fre)**

[Control and prevention of syphilis. Analysis of the program at the Clinical Hospital of the Ribeirão Preto School of Medicine of the University of São Paulo] Evora YD, et al. **Rev Paul Med** 1986 Mar–Apr;104(2):102–6 (Eng. Abstr.) **(Por)**

ECONOMICS

Cost savings of regionalized perinatal care for low birthweight infants: Part II. Cost of hospitalization and morbidity. Jacob J. **Alaska Med** 1986 Jul–Sep;28(3):53–6

The Monterey County Health Initiative. A post-mortem analysis of a California Medicaid demonstration project. Aved BM. **Med Care** 1987 Jan;25(1):35–45

LEGISLATION & JURISPRUDENCE

New York State Regional Poison Control Centers Injury Control Network legislation. Fisher L. **Vet Hum Toxicol** 1986 Dec;28(6):545–6

ORGANIZATION & ADMINISTRATION

Regionalization revisited [editorial] Kanto WP Jr. **Am J Dis Child** 1987 Apr;141(4):403–4

South Florida Hospital Consortium for Infection Control: structure and function. Ehrenkranz NJ. **Am J Infect Control** 1987 Feb;15(1):36–41

Canadian cancer care: organizational models. Rusthoven JJ, et al. **Ann Intern Med** 1986 Dec;105(6):932–6

Integrated district care based in a diabetes centre. Brown KG. **Diabetic Med** 1987 Jul–Aug;4(4):330–2

The Denver Sexually Transmitted Diseases Prevention/Training Center: a two-year performance evaluation. Judson FN, et al. **Sex Transm Dis** 1982 Oct–Dec;9(4):183–7

Standardization of poison control center telephone listings with 911 implementation. Ekins BR. **Vet Hum Toxicol** 1986 Dec;28(6):567–9

Cancer control in the Commonwealth Caribbean. Recommendations for a regional approach. Persaud V. **West Indian Med J** 1986 Sep;35(3):145–8

[Aspects and practice of ophthalmology in the Department of Tahua, Nigeria] Huguet P. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1985;62(1–2):67–77 (Eng. Abstr.) **(Fre)**

[Forms and methods of the activities of societies with regard to improving sanitaro-hygienic working conditions] Gimadeev MM. **Gig Tr Prof Zabol** 1986 Nov;(11):42–5 **(Rus)**

STANDARDS

Assuring quality in a trauma system—the Medical Audit Committee: composition, cost, and results. Shackford SR, et al. **J Trauma** 1987 Aug;27(8):866–75

TRENDS

[Regionalization of perinatal medicine. Where does neonatology belong?] von Loewenich V. **Klin Padiatr** 1986 Nov–Dec;198(6):431–4 **(Ger)**

REGIONAL PERFUSION see **PERFUSION, REGIONAL**

REGISTRIES

A trial linkage of the road accident and vehicle registration files. Lindeijer JE. **Accid Anal Prev** 1987 Apr;19(2):91–104

Uses of a psychiatric case register. Evaluation studies. ten Horn GH, et al. **Acta Psychiatr Belg** 1986 Jul–Aug; 86(4):362–9

Cancer programs in Alabama [published erratum appears in Ala Med 1987 Mar;56(9):19] Gaskin TA. **Ala Med** 1986 Dec;56(6):25–7

The New Mexico Melanoma Registry. A model of a statewide cooperative program. Black WC, et al. **Am J Dermatopathol** 1987 Feb;9(1):10–4

Keeping tabs on malignant melanoma [editorial] Maize JC. **Am J Dermatopathol** 1987 Feb;9(1):1

Announcement of the National Epidermolysis Bullosa Registry [letter] **Am J Dis Child** 1987 Aug;141(8):833

Selection bias in occupational case-control studies that use death registries to select subjects: a discussion and demonstration. Finkelstein MM, et al. **Am J Ind Med** 1987; 12(1):21–31

Announcement of the National Epidermolysis Bullosa Registry [letter] Carter DM. **Am J Med Genet** 1987 Jul; 27(3):737

ReCAP: the Registry of Cytogenetic Abnormalities and Phenylketonuria. Friedman JM, et al. **Am J Med Genet** 1987 Jun;27(2):325–36

The Immunodeficiency Cancer Registry. A research resource. Filipovich AH, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):183–4

Geocoding NY State Cancer Registry [letter] Howe HL. **Am J Public Health** 1986 Dec;76(12):1459–60

Temporal bone collections in Europe and the United States. Observations on a productive laboratory, pathologic findings of clinical relevance, and recommendations. Schuknecht HF. **Ann Otol Rhinol Laryngol [Suppl]** 1987 May–Jun;130:1–19

Time to first new myocardial infarction in patients with mild angina and three-vessel disease comparing medicine and early surgery: a CASS registry study of survival. Coronary Artery Surgery Study. Myers WO, et al. **Ann Thorac Surg** 1987 Jun;43(6):599–612

Operative risk in coronary artery surgery study registry patients [letter] Smith TC. **Ann Thorac Surg** 1987 May; 43(5):574

A register-epidemiology study on cancer among Swedish printing industry workers. Malker HS, et al. **Arch Environ Health** 1987 Mar–Apr;42(2):73–82

National Epidermolysis Bullosa Registry [letter] Carter DM. **Arch Pathol Lab Med** 1987 Aug;111(8):692

The International Apheresis Registry: results of 1983 second pilot. Malchesky PS, et al. **Artif Organs** 1987 Apr; 11(2):173–82

The contents of the Labour Ward Register. A research note. Quine S. **Aust NZ J Obstet Gynaecol** 1986 May;26(2):136–7

Completeness of chronic disease registration in general practice. Mant D, et al. **Br Med J** 1987 Jan 24; 294(6566):223–4

Measuring birth defects and handicapping disorders in the population: the British Columbia Health Surveillance Registry. Baird PA. **Can Med Assoc J** 1987 Jan 15; 136(2):109–11

Kidney transplantation in Canada, 1981–84. Jeffery JR, et al. **Can Med Assoc J** 1986 Oct 1;135(7):769–72

Registry of unrelated bone marrow donors. Rock G, et al. **Can Med Assoc J** 1987 Aug 15;137(4):294–6

Registry-based analysis of occupational risks for primary liver cancer in Sweden. McLaughlin JK, et al. **Cancer Res** 1987 Jan 1;47(1):287–91

International Fetal Surgery Registry: 1985 update. Manning FA. **Clin Obstet Gynecol** 1986 Sep;29(3):551–7

A new automated tumor registry and clinical research system and its application to gynecologic oncology patients. Belinson JL, et al. **Gynecol Oncol** 1987 Jul;27(3):264–8

From TB to AIDS: value conflicts in reporting disease. Fox DM. **Hastings Cent Rep** 1986 Dec;16(6):suppl 11–6

The constitutional balance between health and liberty. Merritt DJ. **Hastings Cent Rep** 1986 Dec;16(6):suppl 2–10

Patient location on the standard immunisation recall system. Reay LM. **Health Bull (Edinb)** 1986 Nov;44(6):367–9

Operational experience of the Irish Testicular Tumour Registry (I.T.T.R.)—(implications for national cancer registry). Thornhill JA, et al. **Ir J Med Sci** 1987 Feb; 156(2):47–50

Seasonal variation in affective disorders. A case register study. Williams P, et al. **J Affective Disord** 1987 Mar–Apr; 12(2):145–52

Announcement of the National Epidermolysis Bullosa Registry [letter] Carter DM. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1058

Summary of the results of the endosseous implant registry. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1987 May;114(5):672–4

The International Heart Transplantation Registry. The 1984 report. Kaye MP, et al. **J Heart Transplant** 1985 May; 4(3):290–2

The Registry of the International Society for Heart Transplantation: fourth official report—1987. Kaye MP. **J Heart Transplant** 1987 Mar–Apr;6(2):63–7

Combined registry for the clinical use of mechanical ventricular assist pumps and the total artificial heart. Pae WE, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):6–7

Combined Registry for the clinical use of mechanical ventricular assist pumps and the total artificial heart: first official report—1986. Pae WE Jr, et al. **J Heart Transplant** 1987 Mar–Apr;6(2):68–70

The Registry of the International Society for Heart Transplantation: third official report—June 1986. Solis E, et al. **J Heart Transplant** 1986 Jan–Feb;5(1):2–5

Tumor registries: measureable advantages. Phillips TW. **J Med Assoc Ga** 1986 Nov;75(11):684–5

A register based system for gene tracking in Duchenne muscular dystrophy. Read AP, et al. **J Med Genet** 1986 Dec;23(6):581–6

Feasibility study of a statewide pathology-based cancer surveillance system in Minnesota. I. Information characteristics. Bender AP, et al. **J Med Syst** 1987 Feb; 11(1):25–44

Patterns of use of a mental handicap register in its first 5 years. Nursey AD, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):277–90

Metastatic tumors of the head and neck: a 20-year oral tumor registry report. Thompson CC, et al. **J Oral Med** 1986 Jul–Sep;41(3):175–7

The benefits of a hospital Tumor Registry. Andrews K. **J SC Med Assoc** 1986 Sep;82(9):592–3

Silica dust and lung cancer: results from the Nordic occupational mortality and cancer incidence registers. Lynge E, et al. **JNCI** 1986 Oct;77(4):883–9

Born 1837, still going strong [editorial] **Lancet** 1987 May 16;1(8542):1125–6

German AIDS registration row [news] Dickman S. **Nature** 1987 Apr 9–15;326(6113):533

AIDS registration becoming a political issue in Germany [news] Neffe J. **Nature** 1987 Feb 19–25;325(6106):650

Demography of dialysis and transplantation in children in Europe, 1984. Report from the European Dialysis and Transplant Association Registry. **Nephrol Dial Transplant** 1986;1(1):9–15

Demography of dialysis and transplantation in Europe, 1984. Report from the European Dialysis and Transplant Association Registry. **Nephrol Dial Transplant** 1986; 1(1):1–8

The tumor registry, the computer, and lung cancer. Hill GJ, et al. **NJ Med** 1987 Feb;84(2):120–3

The Register of Children with Special Needs—an approach. O'Mahony MC, et al. **Public Health** 1987 Jan;101(1):9–15

District monitoring of meningitis: how to improve accuracy. Salfield NJ. **Public Health** 1987 Mar;101(2):107–9

Uses and limitations of registers of congenital malformations: a case-study. Stone DH, et al. **Public Health** 1987 May; 101(3):191–7

A method for the validation of data in a register. Stone DH. **Public Health** 1986 Sep;100(5):316–24

Review of death certificates to assess completeness of AIDS case reporting. Hardy AM, et al. **Public Health Rep** 1987 Jul–Aug;102(4):386–91

Cancer risk in radiologic technologists: a collaborative University of Minnesota/American Registry of Radiologic Technologists Epidemiologic Study. Mandel JS. **Radiol Technol** 1987 Jan–Feb;58(3):261–8

Decline of U.S. cancer mortality rates: expert estimates of past underreporting. Gori GB, et al. **Regul Toxicol Pharmacol** 1986 Sep;6(3):261–73

"Problem drinkers" in Olofström.Romelsjö A. **Scand J Prim Health Care** 1987 May;5(2):101–8

A model for registration and mapping of accident cases in health care. Schelp L, et al. **Scand J Prim Health Care** 1987 May;5(2):91–9

Eye Injury Registry of Alabama (preliminary report): demographics and prognosis of severe eye injury. Morris RE, et al. **South Med J** 1987 Jul;80(7):810–6

Confronting publication bias: a cohort design for meta-analysis. Simes RJ. **Stat Med** 1987 Jan–Feb;6(1):11–29

The National Burn Information Exchange. The use of a national burn registry to evaluate and address the burn problem. Feller I, et al. **Surg Clin North Am** 1987 Feb; 67(1):167–89

Search for teratogenic risks with the aid of malformation registries. Källén B. **Teratology** 1987 Feb;35(1):47–52

Pancreas transplant registry report. Sutherland DE, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 4):5–7

Eight years' experience with a register of pig herds monitored for Aujeszky's disease. Goodwin RF, et al. **Vet Rec** 1986 Nov 15;119(20):493–4

National Data Registry for endometriosis. Lamb KT. **Wis Med J** 1986 Aug;85(8):27–8

A commemoration of the fiftieth anniversary of the Connecticut Tumor Registry. Selected papers from the Yale Symposium on Cancer Epidemiology Today and the International Agency for Cancer Research Symposium on Cancer Registries and Multiple Primary Tumors. December 9–12, 1985. **Yale J Biol Med** 1986 Sep–Oct; 59(5):473–566

Emerging roles for cancer registries in cancer control. Greenwald P, et al. **Yale J Biol Med** 1986 Sep–Oct; 59(5):561–6

The first fifty years of the Connecticut Tumor Registry: reminiscences and prospects. Haenszel W, et al. **Yale J Biol Med** 1986 Sep–Oct;59(5):475–84

[Evaluation of data collected for the Monitor for Congenital Defects registry in Czechoslovakia 1983–1985] Kučera J. **Cesk Pediatr** 1987 Feb;42(2):111–5 (Eng. Abstr.) **(Cze)**

[Registration of the side effects of drugs (letter)] **Ned Tijdschr Geneeskd** 1987 Jan 10;131(2):69–70 **(Dut)**

[Compulsory reporting of diseases caused by Haemophilus influenzae type b?] Bol P, et al. **Ned Tijdschr Geneeskd** 1987 Jun 13;131(24):1034–6 **(Dut)**

[Fracture statistics of the Communal Administration Bureau] van Linge B. **Ned Tijdschr Geneeskd** 1986 Nov 8; 130(45):2019–20 **(Dut)**

[Surveillance of infectious diseases in Belgium by a network of microbiological laboratories: principle results of the 1984 registration] Walckiers D, et al. **Acta Clin Belg** 1986; 41(4):260–7 (Eng. Abstr.) **(Fre)**

[Population registry of childhood accidents: value, difficulties and limitations] Tursz A, et al. **Ann Pediatr (Paris)** 1987 Mar;34(3):211–6 (Eng. Abstr.) **(Fre)**

[Setting-up a system of health statistics collection in a rural environment in the Ivory Coast] Le Bras J, et al. **Med Trop (Mars)** 1987 Jan–Mar;47(1):65–71 (Eng. Abstr.) **(Fre)**

[Setting-up a national file of bone marrow volunteer donors] Raffoux C, et al. **Nouv Rev Fr Hematol** 1987;29(1):99–101 (Eng. Abstr.) **(Fre)**

[Precision of data in the Quebec tumor registry: 1971–1980 analysis] Ghadirian P, et al. **Union Med Can** 1987 Apr; 116(4):223–6 (Eng. Abstr.) **(Fre)**

[Forensic medicine autopsy register: current status, uses and future chances] Mattern R. **Beitr Gerichtl Med** 1986; 44:361–3 (Eng. Abstr.) **(Ger)**

[The tumor registry as an instrument of better management of cancer patients] Horst HA, et al. **Dtsch Med Wochenschr** 1987 Jul 31;112(31–32):1230–4 **(Ger)**

[A population-based cancer register. Status and perspectives in West Germany] Neumann G. **Med Klin** 1987 Mar 20; 82(6):247–54 **(Ger)**

[Space-occupying tumor lesions of the spinal column. An analysis of the material submitted to the Westphalia Bone Tumor Register] Erlemann R, et al. **ROFO** 1987 Apr; 146(4):403–9 (Eng. Abstr.) **(Ger)**

[The cancer register and notification responsibility] Berndt H, et al. **Z Gesamte Inn Med** 1987 Jan 1;42(1):12–4 (Eng. Abstr.) **(Ger)**

[Registration of patients with colonic polyposis in Hungary (letter)] Czeizel E, et al. **Orv Hetil** 1987 Apr 26;128(17):913 **(Hun)**

[The Myocardial Infarct Registry in the Latin Area: presentation of 1983 data. The Cardiovascular Diseases Monitoring Project Research Group, Latin Area] **Cardiologia** 1986 May;31(5):351–7 (Eng. Abstr.) **(Ita)**

[Registration of patients undergoing radiotherapy] Hamada M, et al. **Gan No Rinsho** 1987 Mar;Spec No:183–90 **(Jpn)**

[Present status in the nationwide registration of gastric cancer] Miwa K. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1386–91 (Eng. Abstr.) **(Jpn)**

[A manual for the staging of pancreatic cancers and the cancer registry in Japan] Kuroda Y, et al. **Nippon Rinsho** 1986 Aug;44(8):1715–20 **(Jpn)**

[Establishment and clinical effectiveness of an HLA-typed donor registration system] Araki C, et al. **Rinsho Ketsueki** 1986 Jul;27(7):1282–5 **(Jpn)**

[Official registration of the final clinical and pathologo-anatomic diagnosis of acute pneumonia in young children] Kovalenko VL, et al. **Pediatriia** 1986 Sep;(9):68–9 **(Rus)**

[The formation of the dispensary group VII in its current stage] Gamperis IuL, et al. **Probl Tuberk** 1986;(8):3–5 (Eng. Abstr.) **(Rus)**

[Contingents of the dispensary registry group VII and their observation] Volosevich GV, et al. **Probl Tuberk** 1986; (8):5–6 (Eng. Abstr.) **(Rus)**

[Current statistical notification of congenital developmental defects and its use in medical genetics] Cisarik F, et al. **Bratisl Lek Listy** 1986 Nov;86(5):501–6 (Eng. Abstr.) **(Slo)**

[Cumulative registry of drug-dependent persons in the Madrid community] Muñoz Rodríguez PE, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Sep–Oct;14(5):379–88 (Eng. Abstr.) **(Spa)**

[Congenital malformations in Sweden] Zetterström R, et al. **An Esp Pediatr** 1987 Jun;26(6):415–21 (Eng. Abstr.) **(Spa)**

[Detection and quantification of adverse reactions on the embryo and fetus (letter)] Martínez Frías ML. **Med Clin (Barc)** 1986 Dec 6;87(19):824 **(Spa)**

[The hospital cancer registry. A study of the cases registered in 1977] Carda Aparici P, et al. **Rev Esp Oncol** 1983; 30(3):411–58 (Eng. Abstr.) **(Spa)**

STANDARDS

Subglottic stenosis: retrospective analysis and proposal for standard reporting system. Grundfast KM, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):101–5

The validity of a cancer register in leukaemia epidemiology. Bowie C. **Community Med** 1987 May;9(2):152–9

Publication bias: the case for an international registry of clinical trials. Simes RJ. **J Clin Oncol** 1986 Oct; 4(10):1529–41

[Reliability of the registration of perinatal mortality in the Netherlands, studied for the municipality of Amsterdam] Doornbos JP, et al. **Ned Tijdschr Geneeskd** 1987 May 23; 131(21):913–7 (Eng. Abstr.) **(Dut)**

[Definition and classification of perinatal mortality] Hertoghe L, et al. **Rev Epidemiol Sante Publique** 1986;34(3):161–7 (Eng. Abstr.) **(Fre)**

[Value of extrapolating data in tumor registries. An instrument for a deeper knowledge of epidemiology] Cappelluti G, et al. **Minerva Med** 1987 Jun 15;78(11):775–6 (Eng. Abstr.) **(Ita)**

[Methodological aspects of the evaluation of oncological service performance (assessment of the reliability of cancer registries)] Merabishvili VM, et al. **Vopr Onkol** 1986; 32(12):3–7 **(Rus)**

REGRESSION ANALYSIS

Survival analysis (or time to an event analysis), and the Cox regression model--methods for longitudinal psychiatric research. Allgulander C, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):529–35 (52 ref.)

Alternatives to regression residuals as measures of change after the intake of alcohol [letter] Cutter HS, et al. **Alcoholism (NY)** 1987 Apr;11(2):186–7

Use of the logistic regression model for the analysis of proportionate mortality data. Butler WJ, et al. **Am J Epidemiol** 1987 Mar;125(3):515–23

Polychotomous logistic regression methods for matched case-control studies with multiple case or control groups. Liang KY, et al. **Am J Epidemiol** 1987 Apr;125(4):720–30

Epidemiologic programs for computers and calculators. Inferences on odds ratios, relative risks, and risk differences based on standard regression programs. Wallenstein S, et al. **Am J Epidemiol** 1987 Aug;126(2):346–55

Coding ordinal independent variables in multiple regression analyses. Walter SD, et al. **Am J Epidemiol** 1987 Feb; 125(2):319–23

Regression [editorial] Seigel D. **Arch Ophthalmol** 1987 Feb; 105(2):185–6

Calculation of odds ratios on the TI-59 from logistic regression output. Hirsch RP. **Comput Biol Med** 1987; 17(2):101–8

ISMOD: an all-subsets regression program for generalized linear models. II. Program guide and examples. Lawless JF, et al. **Comput Methods Programs Biomed** 1987 Apr; 24(2):125–34

ISMOD: an all-subsets regression program for generalized linear models. I. Statistical and computational background. Lawless JF, et al. **Comput Methods Programs Biomed** 1987 Apr;24(2):117–24

Statistical methods for growth allometric studies. Mattfeldt T, et al. **Growth** 1987 Spring;51(1):86–102

Logistic regression [letter] Wieland GD, et al. **J Am Geriatr Soc** 1987 Jun;35(6):595–7

Regression of calculated variables in the presence of shared measurement error. Stratton HH, et al. **J Appl Physiol** 1987 May;62(5):2083–93

Time-dependency in Cox's regression analysis [letter] Mulder PG. **J Chronic Dis** 1987;40(4):365–6

Estimating epidemiologic parameters by regression [letter] Smith D. **J Chronic Dis** 1987;40(8):827–30

On the bias caused by regression toward the mean in studying the relation between change and initial value. Blomqvist N. **J Clin Periodontol** 1987 Jan;14(1):34–7

A regression analysis program to fit nonseparable equations. Petrini MF, et al. **J Pharmacol Methods** 1987 May; 17(3):253–61

The logistic regression analysis of psychiatric data. Fleiss JL, et al. **J Psychiatr Res** 1986;20(3):195–209

Multiple regression analysis with small samples: cautions and suggestions. Prescott PA. **Nurs Res** 1987 Mar–Apr; 36(2):130–3

Testing linear model assumptions: residual analysis. Verran JA, et al. **Nurs Res** 1987 Mar–Apr;36(2):127–30

Computer communications. Correlation, regression, and residuals: a graphical representation (for the IBM, PC or Compatible). Frances K. **Phys Ther** 1986 Dec; 66(12):1958–60

A solution for reliable and valid reduction of ocular artifacts, applied to the P300 ERP. Semlitsch HV, et al. **Psychophysiology** 1986 Nov;23(6):695–703

Correcting for regression in assessing the response to treatment in a selected population. Curnow RN. **Stat Med** 1987 Mar;6(2):113–7

[Some notes on the regression line quantal method] Tian FT. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan;21(1):13–6 (Eng. Abstr.) **(Chi)**

[Value of multidimensional analysis by Cox's model] Poynard T. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):453–6 **(Fre)**

[Case studies of the use of the locally adjusted polynomial regression] Peil J, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(4):461–81 (Eng. Abstr.) **(Ger)**

[Prognostic factors in myeloma. Step-by-step regression analysis (Cox method)] López Pascual J, et al. **Rev Clin Esp** 1987 Apr;180(7):357–63 (Eng. Abstr.) **(Spa)**

REGRESSION (PSYCHOLOGY)

An analyst's regressive reverie: a response to the analysand's illness. Frayn DH. **Int J Psychoanal** 1987;68 (Pt 2):271–7

Seeking enlightenment in the east: self-fulfillment or regressive longing? Fauteux K. **J Am Acad Psychoanal** 1987 Apr;15(2):223–46

The Goldstein-Scheerer Cube Test: a developmental-regressive study. Strauss H, et al. **J Clin Psychol** 1986 Sep;42(5):799–809

Hypnotic interview and age regression procedures in the elicitation of multiple personality symptoms: a simulation study. Spanos NP, et al. **Psychiatry** 1986 Nov;49(4):298–311

Parenting a damaged child: mourning, regression, and disappointment. Fajardo B. **Psychoanal Rev** 1987 Spring; 74(1):19–43

REGULATION OF GENE EXPRESSION see **GENE EXPRESSION REGULATION**

REGURGITATION, AORTIC VALVE see **AORTIC VALVE INSUFFICIENCY**

REGURGITATION, GASTRIC see **GASTROESOPHAGEAL REFLUX**

REHABILITATION

see related
DISABILITY EVALUATION
HALFWAY HOUSES

Sexuality in the handicapped. Walbroehl GS. **Am Fam Physician** 1987 Jul;36(1):129–33

The physically handicapped school leaver. Chamberlain MA. **Arch Dis Child** 1987 Jan;62(1):3–5

Exercise physiology and its role in disease prevention and in rehabilitation. Astrand PO. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):305–9 (29 ref.)

Proxy consent to medical treatment: implications for rehabilitation. Banja JD. **Arch Phys Med Rehabil** 1986 Nov; 67(11):790–2

Medical school effect on student selection of physical medicine and rehabilitation as a specialty. Bender LF, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):783–9

Cognitive impairment on a rehabilitation service. Luxenberg JS, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):796–8

Towards a new leadership? Olson DA. **Arch Phys Med Rehabil** 1987 Apr;68(4):201–5

Deaf children's referential messages to mother. MacKay-Soroka S, et al. **Child Dev** 1987 Apr;58(2):385–94

Intergenerational programs bring young and old together. Gondocz ST, et al. **Dimens Health Serv** 1986 Nov; 63(8):46–7

Person–environment congruence: a rehabilitation perspective. Livneh H. **Int J Rehabil Res** 1987;10(1):3–19

Adams' closed-loop concept of learning and motor performance: its application in behavioural kinesiology and patients' education in rehabilitation. Olaogun MO. **Int J Rehabil Res** 1986;9(3):231–8

Investigation of Possum users in Scotland. Bell F, et al. **Int Rehabil Med** 1987;8(3):105–12

Such sweet sorrow [editorial] Wood P. **Int Rehabil Med** 1987; 8(3):97

Index of selected rehabilitation research and development literature (1979–1985). **J Rehabil Res Dev** 1985 Apr; 22(2):1–222

Selected perspectives on a quarter century of rehabilitation engineering. Mann RW. **J Rehabil Res Dev** 1986 Oct; 23(4):1–4, 6

Disability: its prevention and rehabilitation [editorial] Ebrahim GJ. **J Trop Pediatr** 1987 Feb;33(1):2–3

Finding able minds in disabled bodies. Wilson SL, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1444–6

Becoming a market-driven rehabilitation program: a case study. Boynton PS, et al. **Rehabil Lit** 1986 Jul–Aug; 47(7–8):174–8

The liberation of disabled persons in a technological society: access to computer technology. Burkhead EJ, et al. **Rehabil Lit** 1986 Jul–Aug;47(7–8):162–9

Inpatient pediatric rehabilitation: a five-year review. Jaffe KM, et al. **Rehabil Lit** 1986 Nov–Dec;47(11–12):286–9

[Standardized performance tests and prognosis of vocational rehabilitation] Foldspang A. **Ugeskr Laeger** 1987 Mar 16; 149(12):801–5 (Eng. Abstr.) **(Dan)**

[Total communication in aphasia therapy] de Vries LA. **Tijdschr Gerontol Geriatr** 1987 Apr;18(2):77–8 (Eng. Abstr.) **(Dut)**

[The aged and job perspectives. An exploration] Schmidt SH, et al. **Tijdschr Gerontol Geriatr** 1986 Oct;17(5):183–9 (Eng. Abstr.) **(Dut)**

["Current place of the rehabilitation of the hand" by Messrs.

J. Delprat and M. Mansat (letter)] Chamagne P, et al. **Ann Chir Main** 1986;5(2):170 **(Fre)**

[Use of psychotropic drugs in a residential milieu for the elderly: impact of a vitalization program] Durand PJ, et al. **Rev Med Suisse Romande** 1987 Mar;107(3):199–205 **(Fre)**

[Work experience of an urban pediatric department of rehabilitation] Norkina SA, et al. **Pediatriia** 1986 Oct; (10):54–5 **(Rus)**

EDUCATION

A one-week rotation in physical medicine and rehabilitation. Katz RT, et al. **J Med Educ** 1987 Sep;62(9):769–71

The need for rehabilitation specialists [letter] Wigley RD. **NZ Med J** 1986 Oct 8;99(811):772–3

[Continuing education of professionals in rehabilitation is coordinated] Fuhrmann R. **Rehabilitation (Stuttg)** 1986 Nov;25(4):179–81 (Eng. Abstr.) **(Ger)**

HISTORY

A recapitulation. Gullickson G Jr. **Arch Phys Med Rehabil** 1986 Oct;67(10):715

The Kur in West Germany as an interface between naturopathic and allopathic ideologies. Maretzki TW. **Soc Sci Med** 1987;24(12):1061–8

[Historical development of rehabilitation of cancer patients in the Hamburg area] Heyde W. **Rehabilitation (Stuttg)** 1987 May;26(2):70–4 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Rehabilitation and computerization. Golter GD, et al. **Annu Rev Rehabil** 1986;5:151–72

Continuous passive motion device for hand rehabilitation. Bentham JS, et al. **Arch Phys Med Rehabil** 1987 Apr; 68(4):248–50

METHODS

Peer-provided rehabilitative services. Akridge RL. **Annu Rev Rehabil** 1986;5:1–38

A behavioral intervention to increase exercise among nursing home residents. Perkins KA, et al. **Gerontologist** 1986 Oct; 26(5):479–81

Interactive development and evaluation of an independently accessible video education system for rehabilitation. Tang JC, et al. **J Am Paraplegia Soc** 1985 Apr;8(2):38–41

[Success parameters of medical rehabilitation measures] Schuntermann MF, et al. **Off Gesundheitswes** 1987 Mar; 49(3):136–41 (Eng. Abstr.) **(Ger)**

[Effectiveness and tasks of rehabilitation services and centers in a territory] Herrfurth R, et al. **Z Gesamte Hyg** 1987 Apr;33(4):214–6 (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

[A concept of community-based rehabilitation of the World Health Organization] Król J. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):33–7 (Eng. Abstr.) **(Pol)**

[Current problems in the organization of rehabilitation therapy] Borovik EB, et al. **Sov Zdravookhr** 1987;(1):17–9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Family enrichment: a rehabilitation opportunity. Evenson TL, et al. **Rehabil Lit** 1986 Nov-Dec;47(11–12):274–80

STANDARDS

Data systems set to measure rehab effectiveness. Riffer J. **Hospitals** 1987 Jan 5;61(1):51–2

TRENDS

International cooperation in rehabilitation. Tate DG, et al. **Annu Rev Rehabil** 1986;5:67–96

Presidential address. Alas in Wonderland! LaBan MM. **Arch Phys Med Rehabil** 1987 Jan;68(1):1–3

Policy implications of private sector involvement in correctional services and programs. Johnson TA. **J Forensic Sci** 1987 Jan;32(1):221–4

Sociological perspectives on the alcoholism treatment literature since 1940. Giesbrecht N, et al. **Recent Dev Alcohol** 1987;5:175–202 (65 ref.)

[Future perspectives of rehabilitation in legal disability insurance] Ruland F. **Off Gesundheitswes** 1987 Mar; 49(3):128–31 (Eng. Abstr.) **(Ger)**

[Achievements of Soviet traumatology, orthopedics and rehabilitative treatment] Zakharov VP, et al. **Voen Med Zh** 1986 Sep;(9):71–2 **(Rus)**

REHABILITATION CENTERS

Rehabilitation team and family assessment of the initial home pass. Rao N, et al. **Arch Phys Med Rehabil** 1986 Oct; 67(10):759–61

"Homeward bound": a minimal care rehabilitation unit [letter] **Br Med J [Clin Res]** 1986 Sep 6;293(6547):628–9

A geriatric assessment and rehabilitation unit in a rehabilitation hospital. Applegate WB, et al. **Clin Geriatr Med** 1987 Feb;3(1):145–54

A community-oriented geriatric rehabilitation unit in a nursing home. Adelman RD, et al. **Gerontologist** 1987 Apr; 27(2):143–6

A new gait analysis system for clinical use in a rehabilitation center. Hermens HJ, et al. **Orthopedics** 1986 Dec; 9(12):1669–75

Time use of stroke patients in three rehabilitation hospitals. Keith RA, et al. **Soc Sci Med** 1987;24(6):529–33

[Tasks of the counseling and rehabilitation clinic of the kibbutz movement federation] Rafalowicz A, et al. **Rehabilitation (Stuttg)** 1986 Nov;25(4):182–5 **(Ger)**

[Various achievements and problems of a narcotic rehabilitation service] Pulatova GK. **Sov Zdravookhr** 1987; (1):3–5 **(Rus)**

ECONOMICS

Predicting charges for inpatient medical rehabilitation using severity, DRG, age, and function. McGinnis GE, et al. **Am J Public Health** 1987 Jul;77(7):826–9

DRG system flunks test for rehabilitation providers. Firshein J. **Hospitals** 1986 Oct 20;60(20):24

Turf war heats up between CA rehabs and SNFs. Newald J. **Hospitals** 1987 Feb 5;61(3):58

A methodology for predicting lengths of stay for spinal cord injury patients. Fine PR, et al. **Inquiry** 1987 Summer; 24(2):147–56

Nursing care costs for stroke patients in a rehabilitation setting. Seitz CH, et al. **J Nurs Adm** 1987 Jun;17(6):17–22

LEGISLATION & JURISPRUDENCE

[Rehabilitation insurance carriers improve complementary service provisions for the mentally ill and disabled. Recommendation agreements of the Rehabilitation Institute for the Mentally Ill, at the level of the Federal Working Group for Rehabilitation, are adopted] Steinke B, et al. **Rehabilitation (Stuttg)** 1987 Feb;26(1):35–7 **(Ger)**

ORGANIZATION & ADMINISTRATION

Multis flock to increasingly attractive rehab field. McCormick B. **Hospitals** 1986 Dec 5;60(23):75

Marketing rehab: not just another ad effort. Powills S. **Hospitals** 1987 Sep 20;61(18):38–9

[Quantitative and qualitative efforts in the rehabilitation of brain injuries] Heinz C. **Ther Umsch** 1987 Mar;44(3):182–4 (Eng. Abstr.) **(Ger)**

[17-year activity of the Department of Industrial Rehabilitation of the Institute of Orthopedics and Rehabilitation, Medical Academy, in Poznań] Nadolski Z. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):28–32 (Eng. Abstr.) **(Pol)**

[Experience with the organization of rehabilitation and convalescence groups at a local preschool sanatorium for frequently ill children] Bondarenko GP, et al. **Pediatriia** 1986 Jul;(7):64–5 **(Rus)**

[Convalescence of children with frequent and protracted diseases at a sanatorium kindergarten in the Arctic region] Rastorgueva LV. **Pediatriia** 1986 Jul;(7):65–6 **(Rus)**

[Rehabilitation of epileptic patients in an outpatient setting] Gromov SA. **Zh Nevropatol Psikhiatr** 1987;87(6):854–8 (Eng. Abstr.) **(Rus)**

STANDARDS

Cost-effectiveness of the Medicare three-hour regulation. Johnston MV, et al. **Arch Phys Med Rehabil** 1986 Sep; 67(9):581–5

TRENDS

[Effectiveness and tasks of rehabilitation services and centers in a territory] Herrfurth R, et al. **Z Gesamte Hyg** 1987 Apr;33(4):214–6 (Eng. Abstr.) **(Ger)**

UTILIZATION

Outpatient rehabilitation for chronic neuromuscular diseases. Koch SJ, et al. **Am J Phys Med** 1986 Oct;65(5):245–57

Assessment of need for coordinated approach in families with victims of head injury. Livingston MG. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):742–4

Analysis of the activities of a geriatric assessment and rehabilitation unit. Caradoc-Davies TH. **NZ Med J** 1986 Sep 10;99(809):675–8

REHABILITATION, VOCATIONAL

see related
EMPLOYMENT
SHELTERED WORKSHOPS

Return to work after myocardial infarction and coronary bypass surgery. Hackett TP, et al. **Adv Cardiol** 1986; 33:170–7

Work hardening guidelines (position paper). American Occupational Therapy Association. **Am J Occup Ther** 1986 Dec;40(12):841–3

Health, vocational, and functional status in spinal cord injured athletes and nonathletes. Curtis KA, et al. **Arch Phys Med Rehabil** 1986 Dec;67(12):862–5

'Acceptance of loss' and industrial rehabilitation: an empirical study. Osuji ON. **Int J Rehabil Res** 1987;10(1):21–7

The disabled adolescent guidance unit. Stern LM. **Int J Rehabil Res** 1986;9(3):223–9

Vocational rehabilitation. Cornes P. **Int Rehabil Med** 1987; 8(3):138–41

Tapping into 'procedural' memory helps patients with amnesia to acquire new occupational skills [news] Kirn TF. **JAMA** 1987 Jun 19;257(23):3187

Vocational rehabilitation [letter] Woolard T. **Med J Aust** 1987 Mar 2;146(5):282

The new Victors: a progressive policy analysis of work reform for people with very severe handicaps. Ferguson DL, et al. **Ment Retard** 1986 Dec;24(6):331–8

Competitive employment for workers with mental retardation. Shafer MS. **Prog Behav Modif** 1987;21:86–107

Health promotion, disability management, and rehabilitation in the workplace. Galvin DE. **Rehabil Lit** 1986 Sep–Oct; 47(9–10):218–23

Technology utilization in rehabilitation. Roessler RT. **Rehabil Lit** 1986 Jul–Aug;47(7–8):170–3

The troubled employee. Legal and ethical considerations in managing the troubled employee. Ament WW. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):673–82

The troubled employee. Role of the occupational health nurse in working with troubled employees. Hannigan LJ. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):667–72

The rehabilitation of dialysis and transplant patients. Richardson YW. **Transplant Proc** 1987 Apr;19(2 Suppl 2):111–4

[The mentally handicapped: what educational and (pre)occupational future? Study of the Genevan population of mentally handicapped capable of job placement] Coenen-Huther J, et al. **Ann Med Psychol (Paris)** 1986 Sep–Oct;144(8):807–32 (Eng. Abstr.) **(Fre)**

[A systems approach in social psychiatry: apropos of young psychotics] Lalive J, et al. **Rev Med Suisse Romande** 1986 Dec;106(12):1115–22 **(Fre)**

[Results of a study on criteria for intensive rehabilitative management of special education students] Herrfurth R, et al. **Arztl Jugendkd** 1987;78(1):66–9 (Eng. Abstr.) **(Ger)**

[Social medical significance of coronary heart disease. Employment, risk factors, rehabilitation and pensioning in West Germany] Marshall M, et al. **Fortschr Med** 1987 Feb 28;105(6):103–6 (Eng. Abstr.) **(Ger)**

[The job description card—a method for improved integration of the handicapped in occupational activities] Meinhart P, et al. **Int J Rehabil Res** 1987;10(1):29–39 (Eng. Abstr.) **(Ger)**

[Unemployment in psychiatric patients] Müller P, et al. **Psychiatr Prax** 1987 Jan;14(1):18–21 (Eng. Abstr.) **(Ger)**

[Functionally adapted office furniture for handicapped patients] Fischbach F. **Rehabilitation (Stuttg)** 1987 May; 26(2):85–95 (Eng. Abstr.) **(Ger)**

[Organic fitness and capacity for motor performance of handicapped adolescents in vocational training] Scheele K, et al. **Rehabilitation (Stuttg)** 1986 Aug;25(3):134–7 (Eng. Abstr.) **(Ger)**

[Rehabilitation of cerebral apoplexy—results based on 156 patients] Singer F. **Rehabilitation (Stuttg)** 1987 Feb; 26(1):1–7 (Eng. Abstr.) **(Ger)**

[Occupational factors in rheumatic diseases as a principle of rehabilitation—analysis of patients of the pension insurance administration for workers in Austria] Singer F, et al. **Rehabilitation (Stuttg)** 1986 Aug;25(3):102–5 (Eng. Abstr.) **(Ger)**

[Occupational integration of patients with epilepsy] Thorbecke R. **Rehabilitation (Stuttg)** 1987 Feb;26(1):20–7 (Eng. Abstr.) **(Ger)**

[Occupational reintegration of psychiatric patients hospitalized for the first time in the year following their discharge—results of a prospective longitudinal study] Vogel R, et al. **Rehabilitation (Stuttg)** 1986 Aug; 25(3):106–11 (Eng. Abstr.) **(Ger)**

[Catamnestic studies of the occupational rehabilitation of hemiplegic patients following surgical removal of a cerebral arteriovenous angioma] Wahle H. **Rehabilitation (Stuttg)** 1986 Nov;25(4):152–9 (Eng. Abstr.) **(Ger)**

[Possibilities of ergotherapy from the rheumatologic viewpoint] Goldinger G. **Schweiz Rundsch Med Prax** 1987 Jun 30;76(27):785–91 (Eng. Abstr.) **(Ger)**

[Vocational reintegration of patients with craniocerebral trauma] Caprez G, et al. **Ther Umsch** 1987 Mar;44(3):236–40 (Eng. Abstr.) **(Ger)**

[Rehabilitation and occupational medicine aspects of rheumatoid arthritis] Keitel W, et al. **Z Arztl Fortbild (Jena)** 1987;81(9):459–60 **(Ger)**

[Results and experiences in the realization of special social support for secondary school graduates whose occupational choice is limited by health] Balzer R. **Z Gesamte Hyg** 1987 Feb;33(2):94–5 (Eng. Abstr.) **(Ger)**

[A housing model for handicapped patients] Keitel W, et al. **Z Gesamte Hyg** 1986 Aug;32(8):499–501 (Eng. Abstr.) **(Ger)**

[Outpatient management of the handicapped exemplified by vocational age recipients of blindness compensation in a large city] Moeller W. **Z Gesamte Hyg** 1987 Jun;33(6):313 **(Ger)**

[Problems of occupational rehabilitation in the shipbuilding industry. II. Rehabilitation in a group of ship welders] Sygit M, et al. **Med Pr** 1987;38(1):60–5 (Eng. Abstr.) **(Pol)**

[Vocational rehabilitation and its functional evaluation in the naval shipyard] Wecławik Z, et al. **Med Pr** 1986;37(3):193–6 (Eng. Abstr.) **(Pol)**

[Social and vocational rehabilitation of patients following endoprosthesis of the hip joint] Sherepo KM, et al. **Ortop Travmatol Protez** 1986 Jul;(6):70–4 (48 ref.) **(Rus)**

[Preservation of the work capacity of patients with delayed fracture consolidation] Zub VS, et al. **Ortop Travmatol Protez** 1987 Feb;(2):36–8 **(Rus)**

[Medical vocational rehabilitation of tuberculosis patients] Fisher Iula, et al. **Probl Tuberk** 1987;(3):8–11 (Eng. Abstr.) **(Rus)**

[Medico-social prerequisites for the resumption of work by disabled collective farm workers] Berko VG, et al. **Sov Zdravookhr** 1987;(2):31–4 (Eng. Abstr.) **(Rus)**

[Incorporation of the elements of job-related training into the sanatorium and health resort treatment of patients with chronic nonspecific lung diseases] Klapchuk VV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr;(2):49–52 **(Rus)**

[Vocational rehabilitation of patients with cardiovascular diseases] Petrik AI, et al. **Vrach Delo** 1987 May;(5):119–20 **(Rus)**

[Social-vocational readaptation of patients after a manifest episode of schizophrenia] Kuligin IV. **Zh Nevropatol Psikhiatr** 1986;86(8):1191–6 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Rehabilitation insurance carriers improve complementary service provisions for the mentally ill and disabled. Recommendation agreements of the Rehabilitation Institute for the Mentally Ill, at the level of the Federal Working Group for Rehabilitation, are adopted] Steinke B, et al. **Rehabilitation (Stuttg)** 1987 Feb;26(1):35–7 **(Ger)**

METHODS

Use of verbal correction procedures with severely mentally retarded individuals: aptitude–treatment interaction? Egan I, et al. **Am J Ment Defic** 1986 Nov;91(3):294–301

Employer-based disability management and rehabilitation programs. Galvin DE. **Annu Rev Rehabil** 1986;5:173–215

Rural rehabilitation. Schneider MJ, et al. **Annu Rev Rehabil** 1986;5:217–52

Rehabilitation of the mentally ill: psychosocial, vocational, and community support perspectives. Stratoudakis JP. **Annu Rev Rehabil** 1986;5:253–82

Career development of physically disabled youth. Victor J, et al. **Annu Rev Rehabil** 1986;5:97–150

Occupational therapy in rehabilitation: reduction of patient incapacity across the lifespan. Yerxa EJ, et al. **Annu Rev Rehabil** 1986;5:39–66

Transition services for secondary students with mild disabilities: a statewide perspective. Benz MR, et al. **Except Child** 1987 Apr;53(6):507–14

From school to adult living: a forum on issues and trends. An interview with Lou Brown, Andrew S. Halpern, Susan Brody Hasazi and Paul Wehman [interview by Gary M. Clark and H. Earle Knowlton] Brown L, et al. **Except Child** 1987 Apr;53(6):546–54

Secondary programs in special education: are many of them justifiable? Edgar E. **Except Child** 1987 Apr;53(6):555–61

Meeting the challenge of transition service planning through improved interagency cooperation. Johnson DR, et al. **Except Child** 1987 Apr;53(6):522–30

Findings from the STETS transitional employment demonstration. Structured Training and Employment Transitional services. Kerachsky S, et al. **Except Child** 1987 Apr;53(6):515–21

Adaptability instruction: the goal of transitional programming. Mithaug DE, et al. **Except Child** 1987 Apr;53(6):500–5

The school and community partnership: planning transition for students with severe handicaps. Peters JM, et al. **Except Child** 1987 Apr;53(6):531–6

Assessing transition services for handicapped youth: a cooperative interagency approach. Stodden RA, et al. **Except Child** 1987 Apr;53(6):537–45

The Physician Rehabilitation Program of Maryland. White RK, et al. **Md Med J** 1987 Mar;36(3):221–4

A reappraisal of vocational evaluation from an ecological systems perspective. Szymula G, et al. **Rehabil Lit** 1986 Sep–Oct;47(9–10):224–9

[Handicapped patients in a changing world and rehabilitation concerns] Bangma BD. **Rehabilitation (Stuttg)** 1986 Nov;25(4):147–51 (Eng. Abstr.) **(Ger)**

[A computer-controlled telephone exchange for improving the occupational possibilities of blind patients] Fischbach F. **Rehabilitation (Stuttg)** 1986 Nov;25(4):173–8 (Eng. Abstr.) **(Ger)**

[Social rehabilitation in a territory] Herrfurth R, et al. **Z Gesamte Hyg** 1987 Apr;33(4):218–9 (Eng. Abstr.) **(Ger)**

[Complex management of mentally retarded workers] Herrfurth R, et al. **Z Gesamte Hyg** 1986 Jul;32(7):427–8 (Eng. Abstr.) **(Ger)**

[Occupational rehabilitation in the agriculture, forestry and farming industries exemplified by the Potsdam district] Koch H, et al. **Z Gesamte Hyg** 1986 Nov;32(11):634–6 (Eng. Abstr.) **(Ger)**

[Effect of stepwise rehabilitation of patients with various types of myocardial infarct on their work capacity and disability and means of increasing the social efficacy of rehabilitation measures (cooperative study)] Nikolaeva LF, et al. **Kardiologiia** 1986 Sep;26(9):71–8 (Eng. Abstr.) **(Rus)**

ORGANIZATION & ADMINISTRATION

Work and mental illness. I. Toward an integration of the rehabilitation process. Harding CM, et al. **J Nerv Ment Dis** 1987 Jun;175(6):317–26

PSYCHOLOGY

Optimizing staff performance in an institutional behavior change system. A pilot study. Andrasik F, et al. **Behav Modif** 1977 Apr;1(2):235–48

Implementing federal transition initiatives for youths with severe handicaps: the Utah Community-Based Transition Project. Hardman M, et al. **Except Child** 1987 Apr;53(6):493–8

Secondary special education and transition from school to work: a national priority. Rusch FR, et al. **Except Child** 1987 Apr;53(6):487–92

The troubled employee. Drug abuse in the workplace. Dogoloff LI. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):643–52

The troubled employee. Alcoholism. Jones O. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):625–42

The troubled employee. Mentally retarded and learning disabled employees. Kaminer RK. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):609–23

The troubled employee. Dangerous and violent behavior. Monahan J. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):559–68

The troubled employee. The psychiatric patient at work. Robbins DB. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):549–58

[Psychosomatic rehabilitation in pension procedures] Oberdalhoff HE. **Psychother Psychosom Med Psychol** 1987 Feb;37(2):53–7 (Eng. Abstr.) **(Ger)**

[Occupational handicaps as risk factors for the readmission of psychiatric patients hospitalized for the first time—results of a prospective longitudinal study] Blumenthal S, et al. **Rehabilitation (Stuttg)** 1986 Aug;25(3):112–5 (Eng. Abstr.) **(Ger)**

[A vocational promoting course—initial experiences with a rehabilitation program for long-term psychiatric patients] Rüst T. **Soz Praventivmed** 1987;32(3):150–4 (Eng. Abstr.) **(Ger)**

[Prognostic value of the motivational characteristics of schizophrenic patients] Krasik ED, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):66–71 (Eng. Abstr.) **(Rus)**

[The role of the self-consciousness of schizophrenic patients in the socio-vocational readaptation] Nosenko NF. **Zh Nevropatol Psikhiatr** 1987;87(1):90–4 (Eng. Abstr.) **(Rus)**

STANDARDS

Follow-up of participants in a vocational rehabilitation program at a state hospital. Pryer MW, et al. **Hosp Community Psychiatry** 1986 Dec;37(12):1261–2

TRENDS

Transition issues for the 1990s. Knowlton HE, et al. **Except Child** 1987 Apr;53(6):562–3

Mental illness, handicap and the introduction of legal positive discrimination in France. Audisio M. **Int J Soc Psychiatry** 1987 Summer;33(2):144–8

Housing and employment: rehabilitative measures in Denmark. Pedersen B. **Int J Soc Psychiatry** 1987 Summer;33(2):137–9

The troubled employee. Employee assistance programs. Masi DA. **State Art Rev Occup Med** 1986 Oct–Dec;1(4):653–65

[Development, responsibility and significance of after-care treatment] Wannenwetsch E. **Off Gesundheitswes** 1987 Mar;49(3):148–51 (Eng. Abstr.) **(Ger)**

[Understanding the concept of the occupational rehabilitation chain in the coming years] Herrfurth R, et al. **Z Gesamte Hyg** 1987 Apr;33(4):216–7 (Eng. Abstr.) **(Ger)**

REHYDRATION see **FLUID THERAPY**

REHYDRATION, ORAL see **FLUID THERAPY**

REIMBURSEMENT, HEALTH INSURANCE see **INSURANCE, HEALTH, REIMBURSEMENT**

REIMBURSEMENT, INCENTIVE see under **REIMBURSEMENT MECHANISMS**

REIMBURSEMENT MECHANISMS

Are specialized psychiatric services worth the higher cost? [editorial] Goldman HH, et al. **Am J Psychiatry** 1987 May;144(5):626–8

Medicare payment for physician services. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1987 Jan;106(1):151–63

Effectiveness of medical necessity guidelines in reducing cost of oxygen therapy. Brougher LI, et al. **Chest** 1986 Nov;90(5):646–8

Does bulk billing cause abuse of medicare? Richardson J. **Community Health Stud** 1987;11(2):98–107

Dental benefits and reimbursements. Zatz M, et al. **Dent Clin North Am** 1987 Apr;31(2):193–207

A model for inpatient clinical pharmacy practice and reimbursement. Hutchinson RA, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):989–92

Reimbursement for pharmacokinetic services. Maddox RR. **Drug Intell Clin Pharm** 1987 Mar;21(3):289–91

Reimbursement for inpatient nutrition services and home health-care services. Secter R. **Drug Intell Clin Pharm** 1987 Feb;21(2):216–8

Reimbursement of clinical pharmacy services in community hospitals and nursing homes. Sisca TS. **Drug Intell Clin Pharm** 1987 Jan;21(1 Pt 1):64–8

An analysis of methods to reform Medicare payment for physician services. Sisk JE, et al. **Inquiry** 1987 Spring;24(1):36–47

Toward a national medical care system: III. Payments to providers [editorial] **J Public Health Policy** 1986 Winter;7(4):431–3

The Monterey County Health Initiative. A post-mortem analysis of a California Medicaid demonstration project. Aved BM. **Med Care** 1987 Jan;25(1):35–45

Nursing home reimbursement: implications for cost containment, access, and quality. Holahan J, et al. **Milbank Q** 1987;65(1):112–47

Physician reimbursement by salary or fee-for-service: effect on physician practice behavior in a randomized prospective study. Hickson GB, et al. **Pediatrics** 1987 Sep;80(3):344–50

Competition incentives—smaller carrot, bigger stick. White CH. **West J Med** 1986 Oct;145(4):535–6

ECONOMICS

Reimbursement resistance to treatment and support for the long-term mental patient. Sharfstein SS. **New Dir Ment Health Serv** 1987 Spring;(33):75–85

Retired doctors: a prospective role. Monitoring U.S. health care reimbursement. Greentree LB. **Ohio Med** 1987 Apr;83(4):217

LEGISLATION & JURISPRUDENCE

Billing-number law makes them second-class citizens, BC doctors say [editorial] Woods D. **Can Med Assoc J** 1987 Aug 15;137(4):329–30

Is balance billing doomed? Foy DF. **NY State J Med** 1986 Nov;86(11):555–6

Congress explores reimbursement alternatives [news] Reinke TW, et al. **Pa Med** 1987 Jun;90(6):18,20

TRENDS

Response from HealthCare. Winn NE. **Hawaii Med J** 1986 Nov;45(11):379–83

REIMBURSEMENT, PROSPECTIVE see **PROSPECTIVE PAYMENT SYSTEM**

REIMPLANTATION see **REPLANTATION**

REIMPLANTATION, TOOTH see **TOOTH REPLANTATION**

REINDEER

Septicemic listeriosis in a reindeer calf. Evans MG, et al. **J Wildl Dis** 1987 Apr;23(2):314–7

ANATOMY & HISTOLOGY

Anatomical parameters and electronmicroscopic study of reindeer lung. Siškin GS, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1985;28(1–2):101–16

EMBRYOLOGY

[Nuclear-cytoplasmic ratio and shape of erythroid cells of the reindeer embryo] Mongalev NP. **Arkh Anat Gistol Embriol** 1987 May;92(5):45–8 (Eng. Abstr.) **(Rus)**

GENETICS

Genetic variability in Norwegian wild reindeer (Rangifer tarandus L.). Røed KH. **Hereditas** 1986;104(2):293–8

GROWTH & DEVELOPMENT

Changes in neck muscles in Swedish reindeer bucks during rutting season. Kiessling KH, et al. **J Comp Physiol [B]** 1987;157(1):45–50

METABOLISM

Seasonal variation in the form of iron in the liver of Spitsbergen reindeer: a Mössbauer spectroscopic study. Dickson DP, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):442–6

MICROBIOLOGY

Isolation of a herpesvirus serologically related to bovine herpesvirus 1 from a reindeer (Rangifer tarandus). Ek-Kommonen C, et al. **Acta Vet Scand** 1986;27(2):299–301

Seasonal changes in the cecal microflora of the high-arctic Svalbard reindeer (Rangifer tarandus platyrhynchus). Mathiesen SD, et al. **Appl Environ Microbiol** 1987 Jan;53(1):114–8

PARASITOLOGY

[Various features of the biology of a northern isolate of Taeniarhynchus saginatus Coeze, 1782] Kirichek VS, et al. **Med Parazitol (Mosk)** 1986 Nov-Dec;(6):37-9 (Eng. Abstr.) **(Rus)**

[Reindeer warble fly larva as a cause of 3 cases of human myiasis] Chirico J, et al. **Lakartidningen** 1987 Jun 17; 84(25):2207-8 (Eng. Abstr.) **(Swe)**

REINFORCEMENT (PSYCHOLOGY)

Evaluation of antinociceptive, reinforcing and aversive properties of psychotropic agents and analgesics in animals: models for prediction of their analgesic activity and dependence liability. Hoffmeister F. **Acta Neurochir [Suppl] (Wien)** 1987;38:50-63 (21 ref.)

Sensory reinforcement: effects of response-contingent vestibular stimulation on multiply handicapped children. Sandler AG, et al. **Am J Ment Defic** 1987 Jan;91(4):373-8

Aversive and appetitive properties of anxiogenic and anxiolytic agents. File SE. **Behav Brain Res** 1986 Sep; 21(3):189-94

Subtelencephalic locale of reinforcement and learning: looking for the minimal necessary structures. Huston JP, et al. **Behav Brain Res** 1986 Nov;22(2):153-61

The effects of pimozide on the reinforcing efficacy of central grey stimulation in the rat. Miliaressis E, et al. **Behav Brain Res** 1986 Aug;21(2):95-100

The role of external variables in self-reinforcement. A review. Jones RT, et al. **Behav Modif** 1977 Apr;1(2):147-78

Self-administration of morphine into the lateral hypothalamus in the mouse. Cazala P, et al. **Brain Res** 1987 Jul 28;416(2):283-8

The effects of consequences on patterns of social interaction: a quasi-experimental approach to reinforcement in natural interaction. Snyder J, et al. **Child Dev** 1986 Oct; 57(5):1257-68

The reinforcing properties of amphetamine in overweight subjects and subjects with depression. de Wit H, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):127-36

Self-control and reinforcement in the management of a cerebral-palsied adolescent's drooling. Dunn KW, et al. **Dev Med Child Neurol** 1987 Jun;29(3):305-10

The influence of antihistamine compounds on the oral intake of different addictive drugs. Fuchs V, et al. **Drug Alcohol Depend** 1986 Jul;17(4):359-64

Effect of amphetamine on sucrose-reinforced lever pressing: interaction with food deprivation. Samson HH. **Drug Alcohol Depend** 1986 Jul;17(4):323-30

Movement training: when trainer initiated reinforcement and self-monitoring are not enough. Browder DM, et al. **Int J Rehabil Res** 1986;9(4):363-72

Reducing off-task behavior in the classroom: a comparison of encouragement and reprimands. Abramowitz AJ, et al. **J Abnorm Child Psychol** 1987 Jun;15(2):153-63

Response cost, reinforcement, and children's Porteus Maze qualitative performance. Neenan DM, et al. **J Abnorm Child Psychol** 1986 Sep;14(3):469-80

Dexamethasone suppression and self-reinforcement correlates of clinical depression. Heiby EM, et al. **J Abnorm Psychol** 1987 Feb;96(1):70-2

Method to study anhedonia in hospitalized psychiatric patients. Miller RE. **J Abnorm Psychol** 1987 Feb;96(1):41-5

Self-stimulatory behavior and perceptual reinforcement. Lovaas I, et al. **J Appl Behav Anal** 1987 Spring;20(1):45-68

Effects of using object self-stimulation as a reinforcer on the prevocational work rates of an autistic child. Sugai G, et al. **J Autism Dev Disord** 1986 Dec;16(4):459-71

Increasing a child's prosocial behaviors: positive and negative consequences in correspondence training. Osnes PG, et al. **J Behav Ther Exp Psychiatry** 1987 Mar;18(1):71-6

The influence on patients' pain intensity ratings of antecedent reinforcement of pain talk or well talk. White B, et al. **J Behav Ther Exp Psychiatry** 1986 Sep;17(3):155-9

Factor analysis of the Adolescent Reinforcement Survey Schedule (ARSS) with college freshmen. Holmes GR, et al. **J Clin Psychol** 1987 Jul;43(4):386-90

Stimulus class membership established via stimulus-reinforcer relations. Dube WV, et al. **J Exp Anal Behav** 1987 Mar; 47(2):159-75

An investigation of the use of high- and low-preference food as a reinforcer for increased activity of individuals with Prader-Willi syndrome. Caldwell ML, et al. **J Ment Defic Res** 1986 Dec;30 (Pt 4):347-54

Human coffee drinking: reinforcing and physical dependence producing effects of caffeine. Griffiths RR, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):416-25

Effects of clenbuterol and prenalterol on performance during differential reinforcement of low response rate in the rat. O'Donnell JM. **J Pharmacol Exp Ther** 1987 Apr; 241(1):68-75

Expectations for reinforcement from alcohol use in a clinical sample. Zarantonello MM. **J Stud Alcohol** 1986 Nov; 47(6):485-8

A partial reinforcement extinction effect in water-reinforced rats intermittently treated with haloperidol. Ettenberg A, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1231-5

Reinforcement reduces behavioural impairment under an acute dose of alcohol. Haubenreisser T, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):29-33

Factors controlling drug reinforced behavior. Meisch RA. **Pharmacol Biochem Behav** 1987 Jun;27(2):367-71

Intravenous self-administration of phentermine in food-deprived rats: effects of abrupt refeeding and saline substitution. Papasava M, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):623-7

Changes in response rates and reinforcement thresholds for intracranial self-stimulation during morphine withdrawal. Schaefer GJ, et al. **Pharmacol Biochem Behav** 1986 Dec; 25(6):1263-9

Evaluation of the role of norepinephrine in the reinforcing effects of psychomotor stimulants in rhesus monkeys. Woolverton WL. **Pharmacol Biochem Behav** 1987 Apr; 26(4):835-9

Behavioral differences between male and female Wistar rats on DRL schedules: effect of stimuli promoting collateral activities. van Hest A, et al. **Physiol Behav** 1987; 39(2):255-61

Corticosterone, free fatty acid and glucose responses of rats to footshock, fear, novel stimuli and instrumental reinforcement. Coover GD, et al. **Psychoneuroendocrinology** 1986;11(3):373-88

[Possible role of positive reinforcement zones in the mechanisms of pain regulation and their relation to the endogenous opiate system] Burov IuV, et al. **Biull Eksp Biol Med** 1987 May;103(5):577-9 (Eng. Abstr.) **(Rus)**

[Neurophysiologic analysis of the critical period of delay of a reinforcing stimulus in the dog] Borukaev RK, et al. **Zh Vyssh Nerv Deiat** 1987 May-Jun;37(3):422-7 (Eng. Abstr.) **(Rus)**

[Role of positive emotional reinforcement in regulating systemic hemodynamics in the hypertensive rat] Medvedeva TE. **Zh Vyssh Nerv Deiat** 1987 May-Jun; 37(3):563-6 **(Rus)**

[Endoneuronal mechanisms of reinforcement] Sokolov EN. **Zh Vyssh Nerv Deiat** 1987 May-Jun;37(3):403-7 **(Rus)**

[Secondary-reinforcing effects of opiate agonists in the mouse] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 1986 Nov-Dec;36(6):1069-76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neurochemical substrates for opiate reinforcement. Koob GF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 71:146-64

Opiate receptor subtypes associated with the brain mechanisms of feeding and reward. Wise RA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:165-72

[Participation of dopamine in motivation] Prado-Alcala RA. **Bol Estud Med Biol** 1986;34(1-4):57-63 **(Spa)**

REINFORCEMENT SCHEDULE

Effects of response deprivation on the instrumental performance of mentally retarded persons [published erratum appears in Am J Ment Defic 1987 May;91(6):619] Konarski EA Jr. **Am J Ment Defic** 1987 Mar;91(5):537-42

Contingent methadone delivery: effects on illicit-opiate use. Higgins ST, et al. **Drug Alcohol Depend** 1986 Jul; 17(4):311-22

Effects of differential scheduling of timeout to reduce maladaptive responding. Barton LE, et al. **Except Child** 1987 Jan;53(4):351-6

Relations between the pleasant events schedule, depression, and other aspects of psychopathology. Bouman TK, et al. **J Abnorm Psychol** 1986 Nov;95(4):373-7

Effects of continuous and partial reinforcement and methylphenidate on learning in children with attention deficit disorder. Pelham WE, et al. **J Abnorm Psychol** 1986 Nov;95(4):319-25

Maintenance of therapeutic change by momentary DRO. Barton LE, et al. **J Appl Behav Anal** 1986 Fall;19(3):277-82

Rapid determinations of preference in multiple concurrent-chain schedules. Cerutti DT, et al. **J Exp Anal Behav** 1986 Sep;46(2):211-8

The economics of the law of effect. Collier GH, et al. **J Exp Anal Behav** 1986 Sep;46(2):113-36

Devaluation of stimuli contingent on choice: evidence for conditioned reinforcement. Dunn R, et al. **J Exp Anal Behav** 1987 Jul;48(1):117-31

A molecular analysis of choice on concurrent-chains schedules. Fantino E, et al. **J Exp Anal Behav** 1987 Jul; 48(1):145-59

Variable-interval schedules of timeout from avoidance: effects of chlordiazepoxide, CGS 8216, morphine, and naltrexone. Galizio M, et al. **J Exp Anal Behav** 1987 Jan; 47(1):115-26

Cocaine tolerance: acute versus chronic effects as dependent upon fixed-ratio size. Hoffman SH, et al. **J Exp Anal Behav** 1987 May;47(3):363-76

Self-control in adult humans: variation in positive reinforcer amount and delay. Logue AW, et al. **J Exp Anal Behav** 1986 Sep;46(2):159-73

Tests of transitivity in choices between fixed and variable reinforcer delays. Mazur JE, et al. **J Exp Anal Behav** 1987 May;47(3):287-97

Choice between sequences of fixed-ratio schedules: effects of ratio values and probability of food delivery. Poling A, et al. **J Exp Anal Behav** 1987 Mar;47(2):225-32

Effects of delayed conditioned reinforcement in chain schedules. Royalty P, et al. **J Exp Anal Behav** 1987 Jan; 47(1):41-56

Choice between reliable and unreliable outcomes: mixed percentage-reinforcement in concurrent chains. Spetch ML, et al. **J Exp Anal Behav** 1987 Jan;47(1):57-72

An animal model of excessive eating: schedule-induced hyperphagia in food-satiated rats. Wilson JF, et al. **J Exp Anal Behav** 1987 May;47(3):335-46

Parametric manipulation of interresponse-time contingency independent of reinforcement rate. Galbicka G, et al. **J Exp Psychol [Anim Behav]** 1986 Oct;12(4):371-80

Effects of trialkyltins on the schedule-controlled behavior of the pigeon. McMillan DE, et al. **Neurotoxicol Teratol** 1987 Jan-Feb;9(1):67-74

Cognitive factors affecting sequential dependencies in differential eyelid conditioning. Kadlac JA. **Pavlov J Biol Sci** 1979 Jul-Sep;14(3):191-8

The interaction of d-amphetamine and naloxone differs for rats trained on separate fixed-interval or fixed-ratio schedules of reinforcement. Andrews JS, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):167-71

The effect of MDMA ("Ecstasy") and its optical isomers on schedule-controlled responding in mice. Glennon RA, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):425-6

Discriminative stimulus properties of phencyclidine (PCP)-related compounds: correlations with 3H-PCP binding potency measured autoradiographically. Kozlowski MR, et al. **Pharmacol Biochem Behav** 1986 Nov; 25(5):1051-8

The abolition of the partial reinforcement extinction effect (PREE) by amphetamine: disruption of control by nonreinforcement. Weiner I, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):205-10

Changes in serum cortisol reveal functional differences in frustration-induced chain chewing in pigs. Dantzer R, et al. **Physiol Behav** 1987;39(6):775-7

Severe early malnutrition and DRL performance in the rat. Finger S, et al. **Physiol Behav** 1986;38(5):731-4

Fixed interval performance in weanling rats: a comparison with adult and senile subjects. Lejeune H, et al. **Physiol Behav** 1986;38(3):337-43

A comparison of testing procedures on the discriminative morphine stimulus. Kaempf GL, et al. **Psychopharmacology (Berlin)** 1987;91(1):56-60

Effects of fixed-interval duration on the development of tolerance to decreased responding by l-nantradol. Smith JB. **Psychopharmacology (Berlin)** 1987;91(1):127-30

Naloxone blocks the effects of chlordiazepoxide on acquisition but not performance of differential reinforcement of low rates of response (DRL). Tripp G, et al. **Psychopharmacology (Berlin)** 1987;91(1):112-8

[Behavioral tactics of rats receiving unequally distributed reinforcement in a radial maze] Riabinskaia EA, et al. **Zh Vyssh Nerv Deiat** 1987 May-Jun;37(3):462-70 (Eng. Abstr.) **(Rus)**

REINFORCEMENT, SOCIAL

Increasing distance and independence of ambulation in elderly nursing home residents. Burgio LD, et al. **J Appl Behav Anal** 1986 Winter;19(4):357-66

Using reinforcement and cueing to increase healthy snack food choices in preschoolers. Stark LJ, et al. **J Appl Behav Anal** 1986 Winter;19(4):367-79

REITER'S DISEASE

Reiter's syndrome and reactive arthritis. Schlesinger PA. **Minn Med** 1986 Nov;69(11):672-3

CHEMICALLY INDUCED

Incomplete Reiter's syndrome following chemotherapy of acute myeloid leukaemia. Dharmasena F, et al. **Postgrad Med J** 1986 Nov;62(733):1045-6

COMPLICATIONS

Complete heart block in Reiter's syndrome. Nielsen H. **Acta Cardiol (Brux)** 1986;41(6):451-5

The co-occurrence of Reiter's syndrome and acquired immunodeficiency. Winchester R, et al. **Ann Intern Med** 1987 Jan;106(1):19-26

Reiter's syndrome in childhood. Singsen BH, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):402-7

Reiter's syndrome and amyloidosis. Wakefield D, et al. **Br J Rheumatol** 1987 Apr;26(2):156-8

The coexistence of systemic sclerosis (scleroderma) and Reiter's syndrome [letter] Kaufman LD, et al. **J Rheumatol** 1987 Feb;14(1):180-2

Reiter's disease complicated by ulcerative colitis: a case report. McNiesh LM, et al. **Milit Med** 1986 Oct; 151(10):550-2

Atlanto-axial subluxation in patients with seronegative spondylarthritis. Santavirta S, et al. **Rheumatol Int** 1987; 7(1):43-6

[Coexistence of rheumatoid arthritis and Reiter's syndrome: a case report and review of the literature] de Mendonça LL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May-Jun; 41(3):132-5 (Eng. Abstr.) **(Por)**

[Recurrent myocarditis in Reiter's disease] Shabalin AV, et al. **Klin Med (Mosk)** 1986 Jul;64(7):134-6 **(Rus)**

[Lesions of the distal segment of the large intestine in Reiter's disease] Zavirokhin VA. **Ter Arkh** 1987;59(2):139-41 (Eng. Abstr.) **(Rus)**

[A case of urethro-oculo-synovial syndrome complicated by pyelonephritis] Koliadenko VG, et al. **Vrach Delo** 1986 Aug;(8):98-9 **(Rus)**

DIAGNOSIS

Reiter's disease with psoriasiform skin lesions. Report of 2 cases and a new method of differentiation. Liu CH, et al. **Chin Med J [Engl]** 1986 May;99(5):393–6

Reiter's syndrome in an adolescent female with systemic sequelae. Jay MS, et al. **J Adolesc Health Care** 1987 May; 8(3):280–5

[Articular manifestations in patients with Reiter's syndrome] Pekhlivanov D. **Vutr Boles** 1987;26(2):104–8 (Eng. Abstr.) **(Bul)**

[Reactive arthritis. Nosological situation, incidence and diagnostic criteria] Amor B. **Rev Med Interne** 1986 Nov; 7(5):491–8 (17 ref.) **(Fre)**

[Chlamydia infection in Reiter's syndrome] Martinov SP, et al. **Z Hautkr** 1987 Feb 1;62(3):216–9 (Eng. Abstr.) **(Ger)**

[Spinal involvement in chronic Reiter's syndrome] Prohaska E, et al. **Z Rheumatol** 1986 Jul–Aug;45(4):155–60 (Eng. Abstr.) **(Ger)**

[Reiter's syndrome in a 10-year-o½d child] Lukushkina EF, et al. **Pediatriia** 1987;(1):84–5 **(Rus)**

[Reiter's disease in children] Alekseev LS, et al. **Ter Arkh** 1986;58(7):34–6 (Eng. Abstr.) **(Rus)**

[Various aspects of the chronic course of Reiter's disease] Sidel'nikova SM, et al. **Ter Arkh** 1986;58(7):29–34 (Eng. Abstr.) **(Rus)**

[Reiter's syndrome in females and males] Yli-Kerttula YuI, et al. **Ter Arkh** 1986;58(7):36–7 **(Rus)**

DRUG THERAPY

Reye's syndrome in a boy treated with salicylates for Reiter's disease. Baboolal R, et al. **Ir Med J** 1986 Oct;79(10):289–91

[Therapy of seronegative oligoarthritis with salazopyrine] Stroehmann I, et al. **Z Rheumatol** 1987 Mar–Apr; 46(2):79–82 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Reiter's syndrome after radiotherapy for prostatic carcinoma [letter] Stevens H, et al. **Br J Rheumatol** 1986 Nov; 25(4):417–8

Reactive arthropathy (Reiter's syndrome) after salmonellosis: report of two cases and review of the literature. Thomas MF, et al. **J Am Osteopath Assoc** 1986 Aug;86(8):504–7

Reiter's syndrome and recurrent peritonitis after appendectomy. Weisman LF, et al. **Surgery** 1987 Apr; 101(4):508–10

HISTORY

[History of the Fiessinger–Leroy–Reiter syndrome] Bazy-Lestrade M, et al. **Rev Rhum Mal Osteoartic** 1986 Jul–Sep;53(7–9):493–9 **(Fre)**

IMMUNOLOGY

Analysis of serum and synovial fluid IgA in Reiter's syndrome and reactive arthritis. Inman RD, et al. **Clin Immunol Immunopathol** 1987 May;43(2):195–203

Autoantibodies to HLA B27 in the sera of HLA B27 patients with ankylosing spondylitis and Reiter's syndrome. Molecular mimicry with Klebsiella pneumoniae as potential mechanism of autoimmune disease. Schwimmbeck PL, et al. **J Exp Med** 1987 Jul 1;166(1):173–81

OCCURRENCE

Epidemic Reiter's syndrome following an outbreak of shigel"osis. Finch M, et al. **Eur J Epidemiol** 1986 Mar; 2(1):26–30

[Reiter's syndrome in the Inuit population of Greenland. A clinical, immunogenetic and epidemiological study] Bardin T, et al. **Ugeskr Laeger** 1987 Jun 22;149(26):1769–73 (Eng. Abstr.) **(Dan)**

[Fiessinger–Leroy–Reiter syndrome in Greenland. Clinical and epidemiological aspects] Bardin T, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):37–43 (Eng. Abstr.) **(Fre)**

[Reiter's syndrome in males and females: a case–control study] Meirelles E de S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):117–20 (Eng. Abstr.) **(Por)**

PATHOLOGY

Arthritis presumably caused by Chlamydia in Reiter syndrome. Case report with electron microscopic studies [letter] Mohr W, et al. **J Bone Joint Surg [Am]** 1986 Dec; 68(9):1466

[Ultrastructural studies of joint effusion sediment in rheumatoid arthritis, Reiter's disease and ankylosing spondyloarthritis] Mul'diiarov PIa, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):35–43 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Reiter's syndrome: chronicity of symptoms and employment. Hart HH, et al. **Aust NZ J Med** 1986 Aug;16(4):452–6

[Regional blood circulation in the area of the hip joint in patients with various inflammatory rheumatic diseases] Kartvelishvili ElIu, et al. **Ter Arkh** 1986;58(7):79–81 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Septic manubriosternal arthritis in a patient with Reiter's disease. Van Linthoudt D, et al. **Clin Rheumatol** 1987 Jun; 6(2):293–5

The natural history of Reiter's disease—21 years of observations. Marks JS, et al. **Q J Med** 1986 Jul; 60(231):685–97

RADIOTHERAPY

[Laser therapy of seronegative spondyloarthritis] Lerner LA. **Ter Arkh** 1987;59(4):86–8 (Eng. Abstr.) **(Rus)**

REJECTION (PSYCHOLOGY)

Perception of parental acceptance and rejection among Swedish university students. Kitahara M. **Child Abuse Negl** 1987;11(2):223–7

Depression and the response of others: is the effect specific? King DA, et al. **J Abnorm Psychol** 1986 Nov;95(4):410–1

Improving the social behavior and peer acceptance of rejected boys: effects of social skill training with instructions and prohibitions. Bierman KL, et al. **J Consult Clin Psychol** 1987 Apr;55(2):194–200

The clinical significance and assessment of poor peer relations: peer neglect versus peer rejection. Bierman KL. **J Dev Behav Pediatr** 1987 Aug;8(4):233–40

Reactions of would-be helpers whose offer of help is spurned. Rosen S, et al. **J Pers Soc Psychol** 1987 Aug;53(2):288–97

[Impact of successive rejections on Mograbin children] Ferragu Y, et al. **Ann Med Psychol (Paris)** 1987 Feb; 145(2):184–8 **(Fre)**

REJUVENATION

The effect of rejuvenation on 2, 3-DPG level of preserved red blood cells. Kiartivich S, et al. **J Med Assoc Thai** 1986 Dec;69(12):665–71

[Refinements in facial rejuvenating surgery] Mélega JM, et al. **Rev Paul Med** 1986 Jul–Aug;104(4):209–12 (Eng. Abstr.) **(Por)**

[Nutrition and the rejuvenation of the chemical structures of the body] Gapparov MM. **Vestn Akad Med Nauk SSSR** 1986;(11):22–9 (64 ref.) **(Rus)**

RELAPSING FEVER

COMPLICATIONS

Relapsing fever and salmonella bacteraemia simultaneously affecting a healthy young man [letter] Shaked Y, et al. **J Infect** 1986 Nov;13(3):308–9

Relapsing fever/Lyme disease. Multiple sclerosis. Kurtz SK. **Med Hypotheses** 1986 Nov;21(3):335–43

DIAGNOSIS

Fatal-Jarisch Herxheimer reaction in a case of relapsing fever misdiagnosed as lobar pneumonia. Melkert PW. **Trop Geogr Med** 1987 Jan;39(1):92–3

HISTORY

The enlarging spectrum of tick-borne spirochetoses: R. R. Parker Memorial Address. Burgdorfer W. **Rev Infect Dis** 1986 Nov–Dec;8(6):932–40

IMMUNOLOGY

Immunobiology of relapsing fever. Barbour AG. **Contrib Microbiol Immunol** 1987;8:125–37 (45 ref.)

MICROBIOLOGY

Biology of Borrelia species. Barbour AG, et al. **Microbiol Rev** 1986 Dec;50(4):381–400 (250 ref.)

PREVENTION & CONTROL

[Up-to-date planning of nonspecific prophylactic measures against tick-borne borreliosis in Central Asia] Korenberg EI, et al. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):32–6 (Eng. Abstr.) **(Rus)**

RELATIVE BIOLOGICAL EFFECTIVENESS

Dose rate effects: implications for relative biological effectiveness and radiological protection. Dennis JA. **Int J Radiat Biol** 1987 May;51(5):941–6

[Relative biological effectiveness (RBE) of neutrons produced by 50 MeV deuterons and by 34, 45, 65 and 75 MeV protons] Beauduin M, et al. **C R Soc Biol (Paris)** 1987;181(1):78–81 (Eng. Abstr.) **(Fre)**

RELAXATION

Relaxation, imagery, and neuroimmunomodulation. Jasnoski ML, et al. **Ann NY Acad Sci** 1987;496:722–30

Time management. Part III: Making time for joy. McGee-Cooper A. **AORN J** 1986 Oct;44(4):599, 601–2

RELAXATION TECHNICS

Helping children cope with painful procedures. McGrath PA, et al. **Am J Nurs** 1986 Nov;86(11):1278–9

Limitations of a psychobiological concept of the integration of psychotherapy and meditation [letter] Kokoszka A. **Am J Psychiatry** 1986 Oct;143(10):1315

Constructivist view of meditation. DelMonte M. **Am J Psychother** 1987 Apr;41(2):286–98

Relaxation and biofeedback techniques in the management of hypertension. Patel C, et al. **Angiology** 1976 Feb; 27(2):106–13

Deep breathing relaxation. A pain management technique. Miller KM. **AORN J** 1987 Feb;45(2):484–8

Effects of relaxation therapy and hypnotizability in chronic urticaria. Shertzer CL, et al. **Arch Dermatol** 1987 Jul; 123(7):913–6

Relaxation therapy for hypertension. Comparison of effects with concomitant placebo, diuretic, and beta-blocker. Jacob RG, et al. **Arch Intern Med** 1986 Dec; 146(12):2335–40

The effects of stress release in indices of mandibular dysfunction. Dettmar DM, et al. **Aust Dent J** 1987 Feb; 32(1):39–41

A method for the recovery of mishap related events lost to amnesia. Levy RA. **Aviat Space Environ Med** 1987 Mar; 58(3):257–9

Relaxation therapy in the control of blood pressure. Caudill MA, et al. **Bibl Cardiol** 1987;(41):106–19 (63 ref.)

Live and taped relaxation instructions: effects of procedural variables. Hamberger LK, et al. **Biofeedback Self Regul** 1986 Mar;11(1):31–46

Expectancy effects on relaxation instructions: physiological and self-report indices. Stefanek ME, et al. **Biofeedback Self Regul** 1986 Mar;11(1):21–9

Follow-up of agoraphobic patients treated with exposure in vivo or applied relaxation. Jansson L, et al. **Br J Psychiatry** 1986 Oct;149:486–90

Applied relaxation training for generalised anxiety and panic attacks: the efficacy of a learnt coping strategy on subjective reports. Tarrier N, et al. **Br J Psychiatry** 1986 Sep;149:330–6

Relaxation skills for the patient, dentist, and auxiliaries. Schutt NL, et al. **Dent Clin North Am** 1986 Oct;30(4 Suppl):S93–105

Effects of a contingent relaxation treatment program on adults with refractory epileptic seizures. Dahl J, et al. **Epilepsia** 1987 Mar–Apr;28(2):125–32

Behavioral treatment of palmar hyperhidrosis. Tsuhima WT, et al. **Hawaii Med J** 1987 Jul;46(7):238, 259–60

Cognitive therapy and relaxation training in muscle contraction headache: efficacy and cost–effectiveness. Attanasio V, et al. **Headache** 1987 May;27(5):254–60

Differential effects of training in relaxation and stress–coping in patients with migraine. Sorbi M, et al. **Headache** 1986 Oct;26(9):473–81

Applications of relaxation/mental imagery (self-hypnosis) in pediatric emergencies. Kohen DP. **Int J Clin Exp Hypn** 1986 Oct;34(4):283–94

Meditation as a clinical intervention strategy: a brief review. Delmonte MM. **Int J Psychosom** 1986;33(3):9–12

Stress, relaxation and asthma. Weiner HM. **Int J Psychosom** 1987;34(1):21–4

Effects of laughter and relaxation on discomfort thresholds. Cogan R, et al. **J Behav Med** 1987 Apr;10(2):139–44

Relaxation training through muscle stretching procedures: a pilot case. Carlson CR, et al. **J Behav Ther Exp Psychiatry** 1987 Jun;18(2):121–6

Therapist-assisted versus self-help relaxation treatment of chronic headaches in adolescents: a school–based intervention. Larsson B, et al. **J Child Psychol Psychiatry** 1987 Jan;28(1):127–36

Two-, three, and four-year follow-up on the self-regulatory treatment of chronic headache. Blanchard EB, et al. **J Consult Clin Psychol** 1987 Apr;55(2):257–9

A comparison of cognitive–behavioral therapy and relaxation training for the treatment of depression in adolescents. Reynolds WM, et al. **J Consult Clin Psychol** 1986 Oct; 54(5):653–60

Reduced pupillary sensitivity to topical phenylephrine associated with the relaxation response. Lehmann JW, et al. **J Human Stress** 1986 Fall;12(3):101–4

Effects of a stress management course on grades and health of first-year medical students. Nathan RG, et al. **J Med Educ** 1987 Jun;62(6):514–7

Meditation as a clinical intervention [interview] Boerstler RW, et al. **J Psychosoc Nurs Ment Health Serv** 1987 Jun; 25(6):29–32

Relaxation and stress management in the treatment of essential hypertension. Irvine MJ, et al. **J Psychosom Res** 1986;30(4):437–50

Theoretical considerations and applications of relaxation training for children. Bruno-Golden B. **J R Soc Health** 1987 Apr;107(2):51–4

Biochemical and immunological studies on treatment of asthmatic children by means of propagated sensation along channels elicited by meditation. Gong B, et al. **J Tradit Chin Med** 1986 Dec;6(4):257–62

Psychological treatment of phobic anxiety associated with adjuvant chemotherapy. Horne DJ, et al. **Med J Aust** 1986 Oct 6;145(7):346–8

Relaxation training as a treatment for chronic pain caused by ulcerative colitis. Shaw L, et al. **Pain** 1987 Jun; 29(3):287–93

EMG biofeedback training, relaxation training, and placebo

for the relief of chronic back pain. Stuckey SJ, et al. **Percept Mot Skills** 1986 Dec;63(3):1023–36

Hormonal and biochemical responses to transcendental meditation [letter] Davis L. **Postgrad Med J** 1986 Jan; 62(723):69

Predicting compliance with home relaxation training. Flanders P, et al. **Psychol Rep** 1987 Feb;60(1):313–4

Systematic desensitization and relaxation as adjuncts in the treatment of anorexia nervosa: a preliminary study. Goldfarb LA, et al. **Psychol Rep** 1987 Apr;60(2):511–8

Impact of relaxation–training and cognitive–therapy on coronary patients post surgery. Valliant PM, et al. **Psychol Rep** 1986 Dec;59(3):1271–8

Relaxation training for essential hypertension at the worksite: II. The poorly controlled hypertensive. Agras WS, et al. **Psychosom Med** 1987 May–Jun;49(3):264–73

Relaxation training for essential hypertension at the worksite: I. The untreated mild hypertensive. Chesney MA, et al. **Psychosom Med** 1987 May–Jun;49(3):250–63

Influence of aerobic exercise training and relaxation training on physical and psychologic health following stressful life events. Roth DL, et al. **Psychosom Med** 1987 Jul–Aug; 49(4):355–65

Self–regulation method: psychological, physiological and clinical considerations. An overview. Ikemi A, et al. **Psychother Psychosom** 1986;46(4):184–95

[Selection of indices of meditation in the practice of relaxation exercise] Hu SQ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):348–50, 325 (Eng. Abstr.) **(Chi)**

[Concentrated meditation and cognitive behavior therapy: possibilities for integration and differences] Seer P. **Psychother Psychosom Med Psychol** 1986 Sep–Oct; 36(9–10):301–6 (Eng. Abstr.) **(Ger)**

[A factor analytic study of the acceptance of relaxation through Dohsa training (psychological rehabilitation training)] Konno Y, et al. **Shinrigaku Kenkyu** 1987 Apr; 58(1):57–61 (Eng. Abstr.) **(Jpn)**

[Effect of psychophysical training on the behavior of women during labor] Lepecka–Klusek C, et al. **Przegl Lek** 1987; 44(3):319–21 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

The effect of progressive relaxation on Valsalva response in healthy adults. Herman J. **Res Nurs Health** 1987 Jun; 10(3):171–6

RELAXIN

Relaxin structure. Quasi allosteric effect of the NH2–terminal A–chain helix. Büllesbach EE, et al. **J Biol Chem** 1987 Sep 15;262(26):12496–501

Ripening of the human cervix and induction of labor with intracervical purified porcine relaxin. MacLennan AH, et al. **Obstet Gynecol** 1986 Nov;68(5):598–601

ANALOGS & DERIVATIVES

Preparation and properties of porcine relaxin derivatives shortened at the amino terminus of the A chain. Büllesbach EE, et al. **Biochemistry** 1986 Oct 7;25(20):5998–6004

ANALYSIS

Human semen relaxin and its correlation with the parameters of semen analysis. Brenner SH, et al. **Fertil Steril** 1987 Apr; 47(4):714–6

Identification of relaxin immunoreactivity in human follicular fluid. Wathes DC, et al. **Hum Reprod** 1986 Dec;1(8):515–7

Immunocytochemical localization of prolactin and relaxin C–peptide in human decidua and placenta. Sakbun V, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):339–43

Cytochemical detection of carbohydrate and immunocytochemical detection of relaxin in the same secretory granule. Larkin LH, et al. **J Histochem Cytochem** 1987 Jun;35(6):693–7

BLOOD

Serum relaxin in patients with invasive mole, choriocarcinoma and persistent trophoblastic disease. Seki K, et al. **Endocrinol Jpn** 1986 Oct;33(5):727–33

Influence of the conceptuses and the maternal pituitary on the distribution of multiple components of serum relaxin immunoactivity during pregnancy in the rat. Sherwood OD, et al. **Endocrinology** 1986 Nov;119(5):2143–7

Serum immunoreactive relaxin in women during a 24–h period. Seki K, et al. **J Reprod Fertil** 1987 Mar;79(2):363–5

Relaxin in human pregnancy serum measured with an homologous radioimmunoassay. Bell RJ, et al. **Obstet Gynecol** 1987 Apr;69(4):585–9

Serum relaxin concentrations in women following the administration of 16,16–dimethyl–trans–delta 2–PGE1 methyl ester during early pregnancy. Seki K, et al. **Prostaglandins** 1987 May;33(5):739–42

GENETICS

Porcine relaxin. Gene structure and expression. Haley J, et al. **J Biol Chem** 1987 Sep 5;262(25):11940–6

IMMUNOLOGY

Antigenically important regions of the relaxin molecule: studies with monoclonal antibodies. Büllesbach E, et al. **Life Sci** 1987 Aug 24;41(8):989–94

ISOLATION & PURIFICATION

Relaxin from an oviparous species, the skate (Raja erinacea). Büllesbach EE, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):273–80

Isolation, purification, and the sequence of relaxin from spiny dogfish (Squalus acanthias). Büllesbach EE, et al. **Eur J Biochem** 1986 Dec 1;161(2):335–41

PHARMACODYNAMICS

Ultrastructural studies on white adipocyte differentiation in the mouse mammary gland following estrogen and relaxin. Bani–Sacchi T, et al. **Acta Anat (Basel)** 1987;129(1):1–9

Uterine growth–promoting effects of relaxin: a morphometric and histological analysis. Vasilenko P, et al. **Biol Reprod** 1986 Nov;35(4):987–95

Central inhibitory effects of relaxin on the milk ejection reflex of the rat depends upon the site of injection into the cerebroventricular system. O'Byrne KT, et al. **Brain Res** 1987 Mar 3;405(1):80–3

Dose response relationship of relaxin on the pubic ligament of the mouse. Lippert TH, et al. **Clin Exp Obstet Gynecol** 1987;14(2):80–3

The effect of porcine relaxin on the fertilisation of mouse oocytes in vitro. Pupula M, et al. **Clin Reprod Fertil** 1986 Dec;4(6):383–7

Acute decrease in progesterone and increase in estrogen secretion caused by relaxin during late pregnancy in beef heifers. Musah AI, et al. **Endocrinology** 1987 Jan; 120(1):317–24

Effect of relaxin on aromatase activity in human endometrial stromal cells. Tseng L, et al. **Endocrinology** 1987 Jun; 120(6):2220–6

Growth–promoting effects of relaxin and related compositional changes in the uterus, cervix, and vagina of the rat. Vasilenko P, et al. **Endocrinology** 1987 Apr; 120(4):1370–6

The effect of relaxin and prostaglandin E2 on the motility of human spermatozoa. Colon JM, et al. **Fertil Steril** 1986 Dec;46(6):1133–9

Relaxin affects the release of oxytocin and vasopressin from the neurohypophysis. Dayanithi G, et al. **Nature** 1987 Feb 26–Mar 4;325(6107):813–6

Effects of porcine relaxins upon uterine hypertrophy and protein metabolism in mice. Bylander JE, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):76–80

PHYSIOLOGY

Relaxin acts centrally to inhibit oxytocin release during parturition: an effect that is reversed by naloxone. Jones SA, et al. **J Endocrinol** 1986 Oct;111(1):99–102

SECRETION

Progesterone and relaxin secretion in relation to the ultrastructure of human luteal cells in culture: effects of human chorionic gonadotropin. Schmidt CL, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1209–19

Maitotoxin stimulates steroid and peptide hormone secretion by swine luteal tissue. Veldhuis JD, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E8–12

Precise timing for peak relaxin and decreased progesterone secretion after hysterectomy in the pig. Felder KJ, et al. **Endocrinology** 1986 Oct;119(4):1502–9

Analysis of relaxin release from cultured porcine luteal cells by reverse hemolytic plaque assay: influence of gestational age and prostaglandin F2 alpha. Taylor MJ, et al. **Endocrinology** 1987 May;120(5):2085–91

Evidence for the existence of a luteal cell type that is steroidogenic and releases relaxin. Taylor MJ, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):469–73

RELIEF WORK see under **DISASTERS**

RELIGION

Ischemic heart disease risk factors in middle–aged Seventh–day Adventist men and their neighbors. Fraser GE, et al. **Am J Epidemiol** 1987 Oct;126(4):638–46

Inbreeding and prereproductive mortality in the Old Order Amish. III. Direct and indirect effects of inbreeding. Khoury MJ, et al. **Am J Epidemiol** 1987 Mar;125(3):473–83

Inbreeding and prereproductive mortality in the Old Order Amish. I. Genealogic epidemiology of inbreeding. Khoury MJ, et al. **Am J Epidemiol** 1987 Mar;125(3):453–61

Inbreeding and prereproductive mortality in the Old Order Amish. II. Genealogic epidemiology of prereproductive mortality [published erratum appears in Am J Epidemiol 1987 Aug;126(2):363] Khoury MJ, et al. **Am J Epidemiol** 1987 Mar;125(3):462–72

Ethnic/religious differences in the manifestation and treatment of alcoholism. Babor TF, et al. **Ann NY Acad Sci** 1986;472:46–59

Dealing with other cultures and religions emphasized at recent ethics conference. Lammers PK. **AORN J** 1987 May;45(5):1211–6

Effects of fasting in Ramadan on tropical Asiatic Moslems. Husain R, et al. **Br J Nutr** 1987 Jul;58(1):41–8

Adolescent Family Life Act of 1981 found unconstitutional. **Fam Plann Perspect** 1987 May–Jun;19(3):134–6

The spiritual well–being of the elderly. Brooke V. **Geriatr Nurs (New York)** 1987 Jul–Aug;8(4):194–5

Religious participation among elderly blacks. Taylor RJ. **Gerontologist** 1986 Dec;26(6):630–6

Church–based informal support among elderly blacks. Taylor RJ, et al. **Gerontologist** 1986 Dec;26(6):637–42

Is religion a competitive edge? Newald J. **Hospitals** 1987 Apr 20;61(8):60–4

Associations between patient religiosity and alcohol attitudes and knowledge in an alcohol treatment program. Zucker DK, et al. **Int J Addict** 1987 Jan;22(1):47–53

Religion, spirituality, and aging [letter] Koenig HG, et al. **J Am Geriatr Soc** 1987 May;35(5):472

Dimensions of religiosity in old age: accounting for variation in types of participation. Young G, et al. **J Gerontol** 1987 Jul;42(4):376–80

Health education and sensitivity to cultural, religious, and ethnic beliefs. Galli N, et al. **J Sch Health** 1987 May; 57(5):177–80

Classics revisited. The shaking of the foundations. By Paul Tillich. **J Subst Abuse Treat** 1987;4(1):51–4

Responding to the spiritual needs of the chronically ill. Soeken KL, et al. **Nurs Clin North Am** 1987 Sep; 22(3):603–11

Religious endogamy and consanguinity in marriage patterns in Beirut, Lebanon. Klat M, et al. **Soc Biol** 1986 Spring–Summer;33(1–2):138–45

Is frequent religious attendance really conducive to better health? Toward an epidemiology of religion. Levin JS, et al. **Soc Sci Med** 1987;24(7):589–600

Religious life of individuals with affective disorders. Bishop LC, et al. **South Med J** 1987 Sep;80(9):1083–6

Religious slaughter [letter] Mews A, et al. **Vet Rec** 1986 Aug 16;119(7):161–2

Religious slaughter [letter] Scott WA. **Vet Rec** 1986 Sep 6; 119(10):255

[Quality of life and the social and spiritual environment] Moerman J. **Arch Belg** 1986;44(9–10):357–62 **(Fre)**

[Madness, at the border between soul and body. Pigeaud (Jackie), "La maladie de l'âme—étude sur la relation de l'âme et du corps dans la tradition médico–philosophique antique". Essay review] Quétel C. **Clio Med** 1984; 19(1–2):159–63 **(Fre)**

[Corporeality is the purpose of God's work—comments on the body from a theological viewpoint] Ziegler A. **Schweiz Rundsch Med Prax** 1986 Aug 26;75(35):1026–34 (Eng. Abstr.) **(Ger)**

HISTORY

[Church and monastery medicine during the Bulgarian Renaissance] Popov M. **Vet Med Nauki** 1987;24(3):78–81 **(Bul)**

RELIGION AND MEDICINE

The interpretation of pain: the point of view of Catholic theology. Autiero A. **Acta Neurochir [Suppl] (Wien)** 1987; 38:123–6

Pain: points of view of Islamic theology. Al–Jeilani M. **Acta Neurochir [Suppl] (Wien)** 1987;38:132–5

Pain and suffering: views of Jewish theology. Levinson NP. **Acta Neurochir [Suppl] (Wien)** 1987;38:129–31

Hindu philosophy on pain: an outline. Pandya SK. **Acta Neurochir [Suppl] (Wien)** 1987;38:136–46

About anthropology of pain: view of Protestant theology. Rössler D. **Acta Neurochir [Suppl] (Wien)** 1987;38:127–8

A Chinese perspective on pain. Tu WM. **Acta Neurochir [Suppl] (Wien)** 1987;38:147–51

The biblical plague of "hemorrhoids". An outbreak of bilharziasis. Dirckx JH. **Am J Dermatopathol** 1985 Aug; 7(4):341–6

Interpretations of citations from the Bible [letter] Holubar K, et al. **Am J Dermatopathol** 1985 Aug;7(4):401–2

The relationship between psychiatrists and clergy [letter] Grant DH. **Am J Psychiatry** 1986 Oct;143(10):1317–8

Life: a depreciating currency. Carpenter H. **Aust Fam Physician** 1986 Nov;15(11):1450–1

A viewpoint of a Seventh–day Adventist. Chan JY. **Aust Fam Physician** 1986 Sep;15(9):1154

Changing levels of susceptibility. In sickness and in health. Macnab F. **Aust Fam Physician** 1986 Oct;15(10):1370–1

Saint who's? Dewhurst J. **Br Med J [Clin Res]** 1986 Dec 20–27;293(6562):1618–21

Child health in the Middle Ages as seen in the miracles of five English saints, A.D. 1150–1220. Gordon EC. **Bull Hist Med** 1986 Winter;60(4):502–22

The Essenes and medicine. A comparative study of medical and para–medical items with reference to ancient Jewish lore. Kottek S. **Clio Med** 1983;18(1–4):81–99

Prayer nodules in Moslem men. Kahana M, et al. **Cutis** 1986 Oct;38(4):281–2

Is life more sacred than autonomy? [letter] Wilson PF. **Hastings Cent Rep** 1986 Oct;16(5):43

Two patron saints of medicine: Cosmas and Damian. Wynne M. **Ir Med J** 1987 Jan;80(1):14–6

On the Aesculapion at Pergamum; Pergamum paper; Galen and the caduceus. Viamonte M Jr, et al. **J Fla Med Assoc** 1987 May;74(5):345–8

Sin and the etiology of disease in pre–Crusade Europe. Kroll J, et al. **J Hist Med Allied Sci** 1986 Oct;41(4):395–414

Mouse therapy and religion, magic, hygiene, geography. Bloch H. **J Natl Med Assoc** 1986 Oct;78(10):1001–3

Physician reaction to refusal of blood transfusions by

Jehovah's Witnesses [letter] Duh SV. **J Natl Med Assoc** 1987 May;79(5):467, 471
Mouse therapy and religion. Finch CS. **J Natl Med Assoc** 1987 Feb;79(2):136–40
St Paul and temporal lobe epilepsy. Landsborough D. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):659–64
Biblical ills and remedies. Gwilt JR. **J R Soc Med** 1986 Dec; 79(12):738–41
Night of the living dead II: slow virus encephalopathies and AIDS: do necromantic zombiists transmit HTLV-III/LAV during voodooistic rituals? [letter] Greenfield WR. **JAMA** 1986 Oct 24–31;256(16):2199–200
The use of theological classics in teaching medical ethics [letter] Rosner F. **JAMA** 1987 Jul 10;258(2):204
Tubal ovum transfer: a Catholic-approved alternative to in-vitro fertilisation [letter] McLaughlin DS, et al. **Lancet** 1987 Jan 24;1(8526):214
Medicine and pneumatology: Henry More, Richard Baxter, and Francis Glisson's Treatise on the Energetic Nature of Substance. Henry J. **Med Hist** 1987 Jan;31(1):15–40
The response of Islamic jurisprudence to ectopic pregnancies, frozen embryo implantation and euthanasia. Ghanem I. **Med Sci Law** 1987 Jul;27(3):187–90
Human fertilization and embryology—a Jewish view. Jakobovits I. **Med Sci Law** 1987 Jul;27(3):185–6
A dissent on "Medical ethics: the Jewish point of view" [letter] Bloch H. **Mt Sinai J Med (NY)** 1987 May;54(4):359–60
The diversity of Catholicism and abortion [letter] **NC Med J** 1987 Apr;48(4):226
What is a hospital chaplain? Aitken PW. **NC Med J** 1987 Feb;48(2):85–6
Catholicism and ethics: a reply to the editorial entitled "Sobering thoughts" [editorial]Hauerwas S. **NC Med J** 1987 Feb;48(2):67–8
Religious observance and plasma lipids and lipoproteins among 17-year-old Jewish residents of Jerusalem. Friedlander Y, et al. **Prev Med** 1987 Jan;16(1):70–9
Infertility investigation in the orthodox Jewish man. Lissoos I. **S Afr Med J** 1986 Dec 20;70(13):831
The Vatican weighs in [news] Holden C. **Science** 1987 Mar 20;235(4795):1455
Behind shamanism: changing voices of Siberian Khanty cosmology and politics. Balzer MM. **Soc Sci Med** 1987; 24(12):1085–93
Health and the holy in African and Afro-American spirit possession. Csordas TJ. **Soc Sci Med** 1987;24(1):1–11
The return of Dr Fritz: spiritist healing and patronage networks in urban, industrial Brazil. Greenfield SM. **Soc Sci Med** 1987;24(12):1095–108
Is frequent religious attendance really conducive to better health? Toward an epidemiology of religion. Levin JS, et al. **Soc Sci Med** 1987;24(7):589–600
'New age' healing in the U.S. Levin JS, et al. **Soc Sci Med** 1986;23(9):889–97
The religious medical model: holy medicine and the Spiritual Behavior Inventory. Braverman ER. **South Med J** 1987 Apr;80(4):415–20, 425
[What can be done for mother and infant in the case of irregular antibodies in pregnant Jehovah's witnesses?] van Roosmalen J, et al. **Ned Tijdschr Geneeskd** 1987 May 23; 131(21):889–91 **(Dut)**
[Halachic aspects of the obligations of the physician and the determination of his remuneration (editorial)] Yogel H. **Harefuah** 1986 Jul;111(1–2):49–51 **(Heb)**
[Complications of ritual circumcision] Kaczmarek A. **Wiad Lek** 1987 Feb 1;40(3):171–4 (Eng. Abstr.) **(Pol)**

RELIGION AND PSYCHOLOGY

"Moonies" get married: a psychiatric follow-up study of a charismatic religious sect. Galanter M. **Am J Psychiatry** 1986 Oct;143(10):1245–9
Scrupulosity: religious attitudes and clinical presentations. Greenberg D, et al. **Br J Med Psychol** 1987 Mar;60 (Pt 1):29–37
Religion and fertility in the United States: the importance of marriage patterns and Hispanic origin. Mosher WD, et al. **Demography** 1986 Aug;23(3):367–79
Employing the God–family relationship in therapy with religious families. Griffith JL. **Fam Process** 1986 Dec; 25(4):609–18
Weighing religious beliefs in determining competence. Pavlo AM, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):350–2
Seeking enlightenment in the east: self-fulfillment or regressive longing? Fauteux K. **J Am Acad Psychoanal** 1987 Apr;15(2):223–46
The spiritual as a creative force in the person. Knight JA. **J Am Acad Psychoanal** 1987 Jul;15(3):365–82
Hyperreligiosity in temporal lobe epilepsy: redefining the relationship. Tucker DM, et al. **J Nerv Ment Dis** 1987 Mar; 175(3):181–4
Religion and psychiatry. Cognitive dissonance in nursing students. Lederach NK, et al. **J Psychosoc Nurs Ment Health Serv** 1987 Mar;25(3):32–6
How to meet your clients' spiritual needs. Peterson EA, et al. **J Psychosoc Nurs Ment Health Serv** 1987 May; 25(5):34–9
Religious orientation and assertiveness: relationship to death anxiety. Kraft WA, et al. **J Soc Psychol** 1987 Feb; 127(1):93–5
Intrinsic religious orientation: implications in the study of religiosity and personal adjustment in the aged. Van Haitsma K. **J Soc Psychol** 1986 Oct;126(5):685–7
Integrating religious and secular perspectives in the design and delivery of disability services. Heifetz LJ. **Ment Retard** 1987 Jun;25(3):127–31
Identity and the development of religious thinking. Parker MS. **New Dir Child Dev** 1985 Dec;(30):43–60
Adjustment disorder and psychiatric practice: cultural and historical aspects. Fabrega H Jr, et al. **Psychiatry** 1987 Feb; 50(1):31–49
Cacodemonomania. Salmons PH, et al. **Psychiatry** 1987 Feb; 50(1):50–4
Identity and individuality in the nouveau-religious patient: theoretical and clinical aspects. Spero MH. **Psychiatry** 1987 Feb;50(1):55–71
Developmental approaches to the psychology of religion. Fitzgibbons J. **Psychoanal Rev** 1987 Spring;74(1):125–34
Aspects of identity development among nouveaux religious patients. Spero MH. **Psychoanal Study Child** 1986; 41:379–416
Demonic possession and mental disorder in medieval and early modern Europe. Kemp S, et al. **Psychol Med** 1987 Feb;17(1):21–9
The adolescence of a thirteenth-century visionary nun. Kroll J, et al. **Psychol Med** 1986 Nov;16(4):745–56
Psychiatric community care: a Maharashtrian example. Skultans V. **Psychol Med** 1986 Aug;16(3):499–501
Assessing perceptions of self and God: comparison of prisoners and normals. Jolley JC, et al. **Psychol Rep** 1986 Dec;59(3):1139–46
Religion and adolescent sexuality. Stayton WR. **Semin Adolesc Med** 1985 Jun;1(2):131–7
[Madness, at the border between soul and body. Pigeaud (Jackie), "La maladie de l'âme—étude sur la relation de l'âme et du corps dans la tradition médico-philosophique antique". Essay review] Quétel C. **Clio Med** 1984; 19(1–2):159–63 **(Fre)**
[Religious aspects in child psychiatry. A taboo topic?] Merz M. **Z Kinder Jugenpsychiatr** 1986;14(4):319–27 (Eng. Abstr.) **(Ger)**

RELIGION AND SCIENCE

Ensoulment and IVF embryos. Shea MC. **J Med Ethics** 1987 Jun;13(2):95–7
The Vatican and embryology. **Nature** 1987 Mar 19–25; 326(6110):229–30
The new mentalist paradigm and ultimate concern [letter] Datta R. **Perspect Biol Med** 1987 Spring;30(3):466–7
The effecting of all things possible: molecular biology and Bacon's vision. Isaacs LN. **Perspect Biol Med** 1987 Spring; 30(3):402–32
Creationists versus evolution: a paradigm of science and society interaction. Singleton R Jr. **Perspect Biol Med** 1987 Spring;30(3):324–44
Religious groups join animal patent battle [news] Crawford M. **Science** 1987 Jul 31;237(4814):480–1

RELIGION AND SEX

Dizygotic twinning, cycle day of insemination, and erotic potential of Orthodox Jews. James WH. **Am J Hum Genet** 1986 Oct;39(4):542–4
A viewpoint of a Seventh-day Adventist. Chan JY. **Aust Fam Physician** 1986 Sep;15(9):1154
Religion and adolescent sexuality. Stayton WR. **Semin Adolesc Med** 1985 Jun;1(2):131–7
Religious issues and the sexual abuse of adolescents. Yeide HE Jr. **Semin Adolesc Med** 1987 Mar;3(1):33–8
[Union of the male and female—in partnership. Illustrated by interpretations and demonstrations from Hinduism and Tantric Buddhism] Kirchhoff H. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):757–9 (Eng. Abstr.) **(Ger)**

RELIGIOUS BELIEFS see **RELIGION**

REMEDIAL TEACHING

Remediation for subgroups of retarded readers using a modified oral spelling procedure. Prior M, et al. **Dev Med Child Neurol** 1987 Feb;29(1):64–71
Field replication of classwide peer tutoring. Greenwood CR, et al. **J Appl Behav Anal** 1987 Summer;20(2):151–60
Combining test-taking intervention with course remediation: effects on National Board subtest performance. Frierson HT Jr. **J Natl Med Assoc** 1987 Feb;79(2):161–5
Effects of training on learning disabled students' creative written expression. Jaben TH. **Psychol Rep** 1987 Feb; 60(1):23–6

METHODS

Isolated teenagers, cooperative learning, and the training of social skills. Mesch D, et al. **J Psychol** 1986 Jul; 120(4):323–34

REMISSION INDUCTION

Regression of experimental hamster cancer by beta carotene and algae extracts. Schwartz J, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):510–5

REMISSION, SPONTANEOUS see under **DISEASE**

REMISSION, SPONTANEOUS NEOPLASM see **NEOPLASM REGRESSION, SPONTANEOUS**

RENAL ARTERY

Fibromuscular dysplasia of the renal artery—management and outcome. Hägg A, et al. **Acta Chir Scand** 1987 Jan; 153(1):15–20
Polymyositis associated with dissecting aneurysm of arteries and intracerebral hemorrhage. Hatanaka K, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1217–23
Proteinuria in renovascular hypertension and the effects of renal angioplasty. Zimbler MS, et al. **Am J Cardiol** 1987 Feb 15;59(5):406–8
Small, bilateral, calcified intrarenal aneurysms—a case report. Saku K, et al. **Angiology** 1987 Jun;38(6):492–5
False and true aneurysms of the renal artery after kidney transplantation. A report of two cases. Mulderije ED, et al. **Br J Radiol** 1985 Sep;58(693):896–9
Life threatening haemorrhage from a mycotic renal pseudoaneurysm treated by segmental renal artery embolisation. Hall CL, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1526
Recognition and management of juxtarenal aortic occlusion. Wang ZG, et al. **Chin Med J [Engl]** 1986 Mar;99(3):195–200
Scintigraphic criteria for the diagnosis of renal arteriovenous fistulas. Rosen JM, et al. **Clin Nucl Med** 1986 Dec; 11(12):847–50
Renal arteriovenous fistula associated with a huge renal vein dilatation. Takatera H, et al. **J Urol** 1987 Apr;137(4):722–4
Ruptured renal artery aneurysms during pregnancy. Cohen JR, et al. **J Vasc Surg** 1987 Jul;6(1):51–9
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 39–1987. Renal failure 64 years after removal of a hypoplastic kidney. **N Engl J Med** 1987 Sep 24;317(13):819–29
Renal micropolyarteritis: a treatable condition. Coward RA, et al. **Nephrol Dial Transplant** 1986;1(1):31–7
Ehlers–Danlos syndrome and pregnancy: association of type IV disease with maternal death. Peaceman AM, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):428–31
Renal vasculitis and intravascular coagulation. **Semin Nephrol** 1985 Mar;5(1):2–77
[Spontaneous splenorenal shunt in liver cirrhosis] Liebl R, et al. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):262–5 (Eng. Abstr.) **(Ger)**
[Renal artery spasm following thrombosis prevention with heparin/DHE (letter)] Meybier H, et al. **Dtsch Med Wochenschr** 1986 Nov 14;111(46):1781–2 **(Ger)**
[Pulsed duplex sonography in the detection of lower pole arteries in hydronephrosis] Gritzmann N, et al. **Radiologe** 1986 Oct;26(10):503–5 (Eng. Abstr.) **(Ger)**
[A case of traumatic renal artery thrombosis] Sato N, et al. **Hinyokika Kiyo** 1987 Mar;33(3):400–4 (Eng. Abstr.) **(Jpn)**
[Effectiveness of the combined action of renal artery embolization and large-fraction radiation therapy in kidney cancer kidneys] Zhakov IG, et al. **Urol Nefrol (Mosk)** 1986 Nov–Dec;(6):34–7 (Eng. Abstr.) **(Rus)**
[Roentgenoendovascular occlusion in patients with cancer of the kidneys] Anisimov VN, et al. **Vestn Khir** 1986 Aug; 137(8):51–5 (Eng. Abstr.) **(Rus)**
[Intrarenal arteriovenous fistulas] Mora M, et al. **Arch Esp Urol** 1987 Jan–Feb;40(1):12–6 (Eng. Abstr.) **(Spa)**
[Late-appearing embolisms after substitution of a dacron prosthesis in a case of aortic coarctation] Lamas S, et al. **Rev Esp Cardiol** 1986 Nov–Dec;39(6):458–61 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

An unusual case of reno-vascular hypertension with multiple arterial stenosis. Gavrilescu S, et al. **Angiology** 1976 Feb; 27(2):122–5
An unusual congenital abnormality of the renal artery: left renal artery arising from the right renal artery. Kónya A. **Br J Radiol** 1985 Sep;58(693):891–3
Bilateral congenital renal arteriovenous fistulas. Ullian ME, et al. **Clin Nephrol** 1987 Jun;27(6):293–7
Technical consideration in management of renovascular hypertension in an infant with double renal arteries. Tapper D, et al. **J Pediatr Surg** 1986 Dec;21(12):1064–7
Renal arteriovenous malformation demonstrated angiographically in hereditary haemorrhagic telangiectasia (Rendu-Osler-Weber disease). Cooke DA. **J R Soc Med** 1986 Dec;79(12):744–6
Transcatheter embolization for the rupture of congenital arteriovenous malformation of the kidney in pregnancy. Saito S, et al. **J Urol** 1987 May;137(5):964–5
Spontaneous regression of an intrarenal arteriovenous malformation. Yoshiki T, et al. **J Urol** 1987 Apr; 137(4):725–6
Arteriovenous fistula associated with renal cell carcinoma: demonstration by magnetic resonance imaging. Selli C, et al. **Urol Radiol** 1986;8(4):190–3
[Arteriovenous fistula disclosing a renal cancer. Apropos of a case] François G, et al. **Arch Mal Coeur** 1986 Oct; 79(11):1632–5 (Eng. Abstr.) **(Fre)**
[Ectopic renal artery] Wilms G, et al. **J Radiol** 1987 Feb;

68(2):137–8 (Eng. Abstr.) (Fre)
[Vascular anomalies of the kidney. Apropos of 3 cases] Taib E, et al. **J Urol (Paris)** 1987;93(2):93–4 (Eng. Abstr.) (Fre)
[Embolization of renal arteriovenous malformations] Tanimoto A, et al. **Rinsho Hoshasen** 1986 Jun;31(6):711–8 (Eng. Abstr.) (Jpn)
[A rare case of anomaly of renal vascularization] Szczerbo–Trojanowska M, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul–Aug;50(4):227–8 (Eng. Abstr.) (Pol)
[Surgery of the aorto–iliac region in patients with congenital renal abnormalities] de Frutos JL, et al. **Angiologia** 1987 Mar–Apr;39(2):59–68 (Spa)

ANATOMY & HISTOLOGY

Microarterial pattern of human kidney. Longia GS, et al. **Anat Anz** 1987;163(2):129–37
The effects of angiotensin II and norepinephrine on afferent arterioles in the rat. Wilson SK. **Kidney Int** 1986 Dec; 30(6):895–905
[The sinus–parenchyma border of the human kidney as the place of origin of intracanicular and extravascular diffusion of fluids. II: References] Anderhuber F. **Gegenbaurs Morphol Jahrb** 1986;132(6):875–97 (Ger)

CYTOLOGY

[The human renin–secreting cell. A morphological study] Lindop GB, et al. **Ann Endocrinol (Paris)** 1986;47(3):133–44 (53 ref.) (Eng. Abstr.) (Fre)

DRUG EFFECTS

Contraction of isolated canine renal arteries induced by the radiocontrast medium sodium diatrizoate and meglumine diatrizoate. Bentley MD, et al. **J Lab Clin Med** 1987 May; 109(5):595–600
A comparison of the effects of angiotensin II and norepinephrine on intrarenal arteries in the rat. Wilson SK. **Kidney Int [Suppl]** 1987 May;20:S193–9
[Comparison of the vasomotor effects of dopamine on the renal and iliac arterial beds of the anesthetized rat] Schmidt M, et al. **Arch Mal Coeur** 1986 Jun;79(6):820–3 (Eng. Abstr.) (Fre)

INJURIES

Traumatic renal artery thrombosis. Cosby RL, et al. **Am J Med** 1986 Nov;81(5):890–4
Traumatic bilateral renal artery occlusion: successful outcome without surgical intervention. Greenholz SK, et al. **J Trauma** 1986 Oct;26(10):941–4
Traumatic thrombosis of a segmental branch of the renal artery. Cass AS, et al. **J Urol** 1987 Jun;137(6):1115–6
Management of renal artery injuries from external trauma. Cass AS, et al. **J Urol** 1987 Aug;138(2):266–8
Traumatic renal artery occlusion: is late reconstruction advisable? Weimann S, et al. **J Urol** 1987 Apr;137(4):727–9
Rupture of the renal artery after percutaneous transluminal angioplasty [letter] **JAMA** 1987 Jun 26;257(24):3364–5
Rupture of the renal artery nine days after percutaneous transluminal angioplasty. Olin JW, et al. **JAMA** 1987 Jan 23–30;257(4):518–20
Nephrectomy necessitated by percutaneous transluminal angioplasty for renovascular hypertension. Pak K, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar;29(3):341–5
[Laceration of the vessels of the kidney hilus. A complication not previously described in halo extension treatment] Hopf C, et al. **Z Orthop** 1986 Sep–Oct;124(5):603–5 (Eng. Abstr.) (Ger)
[Traumatic renal infarction: CT and angiography] Yashiro N, et al. **Rinsho Hoshasen** 1986 Jun;31(6):705–9 (Eng. Abstr.) (Jpn)
[Arrest of profuse hemorrhage following kidney biopsy by embolization of the damaged artery] Kogan AS, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):61–2 (Rus)

INNERVATION

Effects of adrenoceptor agonists and antagonists on smooth muscle cells and neuromuscular transmission in the guinea–pig renal artery and vein. Makita Y. **Br J Pharmacol** 1983 Dec;80(4):671–9

METABOLISM

Effect of dopamine receptor activation on ganglionic transmission and cyclic AMP levels in the stellate ganglia and renal arteries of the dog. Sabouni MH, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):93–8

PATHOLOGY

Effects of heparin and defibrinotide on malignant hypertension in rats. Kamitsuji H, et al. **Clin Exp Hypertens [A]** 1986;8(6):1009–32
Spontaneous arterial lesions: their possible role in arteriosclerosis. Campbell GR, et al. **Exp Mol Pathol** 1986 Dec;45(3):227–44
Hypertension and intrarenal small vessel lesions in patients with IgA nephritis. A subset of cases mimicking essential hypertension. Nakamoto Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1211–20
Unusual clinical presentations of bilateral renal artery aneurysms in a child. The value of ultrasound in diagnosis. Walsh JS, et al. **Pediatr Radiol** 1987;17(5):436
Immunopathogenesis of renal vasculitis. Brentjens JR, et al. **Semin Nephrol** 1985 Mar;5(1):3–14
Renal vascular phenomena in systemic sclerosis (scleroderma). Eknoyan G, et al. **Semin Nephrol** 1985 Mar; 5(1):34–45
Clinical and pathologic aspects of renal vasculitis. Serra A, et al. **Semin Nephrol** 1985 Mar;5(1):15–33
Arteriovenous fistula involving a transplant kidney. Pigott JP, et al. **Transplantation** 1987 Jul;44(1):156–7
[Experimental study of renal artery embolization with absolute alcohol—angiographic, CT, ultrasonographic, and histopathologic observations] Chai CM. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug; 20(4):248–51 (Eng. Abstr.) (Chi)
[Fibro–muscular dysplasia of the renal artery. Clinico–angiographic study and etiopathogenetic observations] Di Giacomo V, et al. **Minerva Cardioangiol** 1987 Jan–Feb;35(1–2):53–61 (Eng. Abstr.) (Ita)
[A case of acute juvenile hypertensive encephalopathy caused by fibromuscular dysplasia of renal artery] Umehara F, et al. **Rinsho Shinkeigaku** 1986 Sep;26(9):899–902 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Effect of reduction in renal artery pressure on atrial natriuretic peptide–induced natriuresis. Davis CL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F146–53
Autoregulation of renal blood flow and glomerular filtration rate in the pregnant rabbit. Woods LL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R69–72
Arterial regeneration over polydioxanone prostheses in the rabbit. Greisler HP, et al. **Arch Surg** 1987 Jun;122(6):715–21
Interlobular arterial resistance: influence of renal arterial pressure and angiotensin II. Heyeraas KJ, et al. **Kidney Int** 1987 Jun;31(6):1291–8
The contribution of vascular obstruction to the functional defect that follows renal ischemia. Mason J, et al. **Kidney Int** 1987 Jan;31(1):65–71
Endothelium–dependent relaxations in human arteries. Lüscher TF, et al. **Mayo Clin Proc** 1987 Jul;62(7):601–6

PHYSIOPATHOLOGY

Loin pain and haematuria syndrome: possible association with intrarenal arterial spasms. Bergroth V, et al. **Br Med J [Clin Res]** 1987 Jun 27;294(6588):1657
Echo–Doppler velocimeter in the diagnosis of hypertensive patients: the renal artery Doppler technique. Handa N, et al. **Ultrasound Med Biol** 1986 Dec;12(12):945–52

RADIOGRAPHY

Fibromuscular dysplasia vs catheter–induced renal artery spasm [letter] McGrath TW. **AJR** 1987 Mar;148(3):651
Fibromuscular dysplasia of the cephalic and renal arteries. Manns RA, et al. **Clin Radiol** 1987 Jul;38(4):427–9
Image quality in intravenous renal DSA. A critical analysis of 300 examinations. Neufang KF, et al. **Eur J Radiol** 1986 Nov;6(4):291–5
Prognostic value of nephrography in atherosclerotic occlusion of the renal artery. Feltrin GP, et al. **Hypertension** 1986 Oct;8(10):962–4
Renal angiomyolipoma with arteriovenous shunting. Barzilai IM, et al. **J Urol** 1987 Mar;137(3):483–4
Computerized tomography of Castleman's disease simulating a false renal artery aneurysm: a case report. Friedman L, et al. **J Urol** 1987 Jul;138(1):123–4
Segmental renal artery infarction: a case report with computerized tomography scan and angiographic correlation. Mitchell W, et al. **J Urol** 1987 Jan;137(1):93–4
Intravenous digital subtraction angiography in the evaluation of potential renal donors. Sussman SK, et al. **J Urol** 1987 Jul;138(1):28–32
Improved identification of renal arteries in patients with aortic aneurysms by means of high–resolution computed tomography. Gomes MN, et al. **J Vasc Surg** 1987 Sep; 6(3):262–8
Renovascular hypertension in a child with Degos–Köhlmeier disease. Schade FB, et al. **Pediatr Radiol** 1987;17(3):260–1
Angiographic assessment of potential renal transplant donors. Derauf B, et al. **Radiol Clin North Am** 1987 Mar;25(2):261–5 (12 ref.)
Renal infarction secondary to selective arteriography. Gallucci M, et al. **Rays** 1985 Jan–Apr;10(1):95–7
Renal artery visualization during urography executed with rapid intravenous injection of high doses of contrast medium. Lupi L, et al. **Rays** 1985 Jan–Apr;10(1):67–73
Small renal haemangioma diagnosed with pharmacoangiography. A case report. Jonsson K, et al. **ROFO** 1987 Mar;146(3):363–4
Idiopathic renal arteriovenous fistula. Spontaneous closure. Iko BO, et al. **Urology** 1987 Jan;29(1):86–9
[The application of renal angiography in the diagnosis of IVP non–visualized kidney] Liu ZJ. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):210–2 (Eng. Abstr.) (Chi)
[Selective angiographic manifestations of certain renal diseases] Yu JC. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb;21(1):37–9 (Eng. Abstr.) (Chi)
[A preliminary report on renal angiography and selective renal embolization in the management of renal trauma] Gu TH, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar; 25(3):173–4, 190 (Eng. Abstr.) (Chi)
[Preliminary study of the video dilution curves of the nephrograms during intravenous digital angiography for hypertension] Raynaud A, et al. **Ann Radiol (Paris)** 1987; 30(2):128–34 (Eng. Abstr.) (Fre)
[digital angiography via intravenous route in the study of the transplanted kidney artery] Tessier JP, et al. **J Radiol** 1986 Aug–Sep;67(8–9):573–7 (Eng. Abstr.) (Fre)
[Radiological anatomy of the renal artery and its branches] Marconi A, et al. **Minerva Chir** 1987 Jan 31;42(1–2):67–75 (Eng. Abstr.) (Ita)
[Diagnostic accuracy of sequential angio–urography with the spot–camera in clinical practice] Isolato G, et al. **Radiol Med (Torino)** 1987 May;73(5):383–5 (Eng. Abstr.) (Ita)
[Potential use of the computerized substraction angiography method in patients with kidney lesions] Vos'mirko OD, et al. **Urol Nefrol (Mosk)** 1986 Jul–Aug;(4):44–6 (Eng. Abstr.) (Rus)
[Renal arteriovenous fistula as a cause of hematuria] Sala Barange J, et al. **Arch Esp Urol** 1987 Apr;40(3):143–7 (Eng. Abstr.) (Spa)

SURGERY

The treatment of renovascular hypertension: surgery, angioplasty, and medical therapy with converting–enzyme inhibitors. Hollenberg NK. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):52–60 (68 ref.)
Evolving strategies for the repair of complex renovascular lesions. Kent KC, et al. **Ann Surg** 1987 Sep;206(3):272–8
Alternative methods of renal revascularization. Mulherin JL Jr, et al. **Ann Surg** 1987 Jun;205(6):740–6
Cholesterol emboli in atherosclerotic patients: reports of four cases occurring spontaneously or complicating angioplasty and aortorenal bypass. Weitz Z, et al. **J Am Geriatr Soc** 1987 Apr;35(4):357–9
Upper abdominal lymphocele following urgent aortorenal bypass grafting. Pardy BJ, et al. **J R Soc Med** 1986 Nov; 79(11):674–6
Ex vivo renal artery reconstructions: indications and techniques. Dean RH, et al. **J Vasc Surg** 1986 Dec; 4(6):546–52
Renovascular operations in patients with chronic renal insufficiency: do the benefits justify the risks? Hallett JW Jr, et al. **J Vasc Surg** 1987 Apr;5(4):622–7
Use of polytetrafluoroethylene grafts for renal bypass. Lagneau P, et al. **J Vasc Surg** 1987 May;5(5):738–42
Renal revascularization in patients with a single functioning ischemic kidney. McCready RA, et al. **J Vasc Surg** 1987 Aug;6(2):185–90
Intraoperative assessment of renal and visceral artery reconstruction: the role of duplex scanning and spectral analysis. Okuhn SP, et al. **J Vasc Surg** 1987 Jan;5(1):137–47
Trends in surgical revascularization for renal artery disease. Ten years' experience. Novick AC, et al. **JAMA** 1987 Jan 23–30;257(4):498–501
Surgical treatment of renovascular hypertension caused by arteriosclerosis. I. Influence of preoperative factors on blood pressure control early and late after reconstructive surgery. van Bockel JH, et al. **Surgery** 1987 Jun; 101(6):698–705
[Renovascular hypertension with renal failure: value of renal revascularization] Michel C, et al. **Arch Mal Coeur** 1986 Jun;79(6):851–6 (Eng. Abstr.) (Fre)
[Revascularization of the renal arteries by endoaneurysmal approach in aneurysms of the infrarenal aorta] Cormier JM. **Presse Med** 1986 Sep 27;15(32):1637–9 (Eng. Abstr.) (Fre)
[Variant technic of hepatic arterialization after porto–caval anastomosis in the rat. Preliminary results] Beati CA, et al. **Minerva Chir** 1987 Jun 15;42(11):1005–8 (Eng. Abstr.) (Ita)
[Treatment of a case of renovascular hypertension] Odicino M, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1171–4 (Eng. Abstr.) (Ita)
[Vascular surgery of the kidney] Aso Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Dec;77(12):1915–24 (Jpn)
[Renal artery surgery] Fonseca JL, et al. **Angiologia** 1987 Mar–Apr;39(2):51–8 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

Cellular redistribution of 45Ca in rabbit renal artery determined by electron microscopic autoradiography: changes in response to K+–induced depolarization and nitrendipine. Wheeler–Clark ES, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):286–95

RENAL ARTERY OBSTRUCTION

[Infrarenal aortic occlusion] Solheim K. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):537–9 (Nor)

BLOOD

Transrenal changes in active and inactive renin and angiotensin II in renal artery stenosis: effects of converting enzyme inhibition. Tillman DM, et al. **Kidney Int [Suppl]** 1987 May;20:S184–90

Activation of coagulation pathways and fibrin deposition in human glomerulonephritis. Hancock W, et al. **Semin Nephrol** 1985 Mar;5(1):69–77

COMPLICATIONS

Unilateral nodular diabetic glomerulosclerosis: recurrence of an experiment of nature. Béroniade VC, et al. **Am J Nephrol** 1987;7(1):55–9

Renal artery stenosis, erythrocytosis and renal artery occlusion [letter] Salahudeen AK. **Nephrol Dial Transplant** 1987;2(1):53–4

Nephrotic-range proteinuria with renal artery stenosis: its reversal after transluminal angioplasty [letter] Hariharan S, et al. **Nephron** 1987;47(1):77

Emergency department presentation of severe hypertension secondary to complications of umbilical artery catheterization. Brooks WG Jr, et al. **Pediatr Emerg Care** 1987 Jun;3(2):104–6

[Stenosis of the renal artery as a cause of acute renal insufficiency after transplantation] Sabbaga E, et al. **J Urol (Paris)** 1986;92(8):553–7 (Eng. Abstr.) **(Fre)**

[Abdominal aortic aneurysm and renal artery occlusive disease: simultaneous reconstruction] Torsello G, et al. **Helv Chir Acta** 1987 Feb;53(4):517–20 (Eng. Abstr.) **(Ger)**

[Comparative analysis of active treatment methods in renal hypertension] Nemes J, et al. **Orv Hetil** 1986 Oct 12; 127(41):2483–7 (Eng. Abstr.) **(Hun)**

[Clinical case. Primary or secondary hypertension?] Fabris B, et al. **G Clin Med** 1987 Apr;68(4):245–7 **(Ita)**

[Acute renal failure caused by obstruction of the renal arteries. Apropos of 2 cases] Bonet J, et al. **Rev Clin Esp** 1986 Dec;179(9):451–3 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Special uses for captopril. Materson BJ. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):88–93 (51 ref.)

Serum and urinary enzyme activities in renal artery embolism. Donadio C, et al. **Clin Chim Acta** 1986 Oct 31;160(2):145–9

Echo-Doppler velocimetry in the diagnosis of renal artery stenosis on transplanted kidney. Malfi B, et al. **Clin Nephrol** 1986 Oct;26(4):181–4

Noninvasive diagnosis of renal artery stenosis by ultrasonic duplex scanning. Kohler TR, et al. **J Vasc Surg** 1986 Nov; 4(5):450–6

Captopril-stimulated renin in the diagnosis of restenosis after percutaneous transluminal renal angioplasty. Rossi GP, et al. **Jpn Heart J** 1986 May;27(3):299–305

Incidence of renal artery stenosis in a population having cardiac catheterization. Ramirez G, et al. **South Med J** 1987 Jun;80(6):734–7

[Nuclear magnetic resonance tomographic studies following experimental ligation of the renal artery in rats] Uhlenbrock D, et al. **ROFO** 1987 Feb;146(2):157–65 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Intraarterial low-dose streptokinase infusion in the treatment of acute renal thromboembolism. Wilms G, et al. **Eur J Radiol** 1987 Feb;7(1):72–4

Enalapril in hypertension with renal artery stenosis: long-term follow-up and effects on renal function. Tillman DM, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S93–100

[Renal arterial thrombosis. Resolution with medical treatment] Burgos FJ, et al. **Actas Urol Esp** 1986 Sep–Oct; 10(5):395–8 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Traumatic renal artery thrombosis. Cosby RL, et al. **Am J Med** 1986 Nov;81(5):890–4

Cigarette smoking and atherosclerotic renal artery stenosis. Black HR, et al. **J Clin Hypertens** 1986 Dec;2(4):322–30

Traumatic bilateral renal artery occlusion: successful outcome without surgical intervention. Greenholz SK, et al. **J Trauma** 1986 Oct;26(10):941–4

Traumatic thrombosis of a segmental branch of the renal artery. Cass AS, et al. **J Urol** 1987 Jun;137(6):1115–6

Management of renal artery injuries from external trauma. Cass AS, et al. **J Urol** 1987 Aug;138(2):266–8

Factors determining the prevalence of hypertension after renal transplantation. Huysmans FT, et al. **Nephrol Dial Transplant** 1987;2(1):34–8

Renal artery thrombosis and embolization associated with intravenous cocaine injection. Wohlman RA. **South Med J** 1987 Jul;80(7):928–30

[Arterial hypertension caused by extrinsic compression of the renal artery of tumor origin in a child] Marchal AL, et al. **Pediatrie** 1986 Sep;41(6):475–80 (Eng. Abstr.) **(Fre)**

[Laceration of the vessels of the kidney hilus. A complication not previously described in halo extension treatment] Hopf C, et al. **Z Orthop** 1986 Sep–Oct;124(5):603–5 (Eng. Abstr.) **(Ger)**

[Renal artery thrombosis following retroperitoneal lymphadenectomy] Tokue A, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jun;77(6):1006–11 (Eng. Abstr.) **(Jpn)**

[Thrombosis of the renal artery in a 2-month-old child: presentation of a case] Pérez-Arbej JA, et al. **Arch Esp Urol** 1986 Oct;39(8):563–7 (Eng. Abstr.) **(Spa)**

[Pheochromocytoma and functional stenosis of the renal artery (letter)] Vallés Prats M, et al. **Rev Clin Esp** 1987 Mar;180(4):225–6 **(Spa)**

PATHOLOGY

Ramipril for hypertension secondary to renal artery stenosis. Changes in blood pressure, the renin-angiotensin system and total and divided renal function. Tillman DM, et al. **Am J Cardiol** 1987 Apr 24;59(10):133D–142D

Centripetal spread of arterial collateral endothelial cell hyperplasia after renal artery stenosis in the rat. Hollenberg NK, et al. **Circ Res** 1987 Mar;60(3):398–401

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 39–1987. Renal failure 64 years after removal of a hypoplastic kidney. **N Engl J Med** 1987 Sep 24;317(13):819–29

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 14–1987. A 73-year-old woman with proteinuria and coronary-artery disease. **N Engl J Med** 1987 Apr 2;316(14):860–9

Renal involvement in thrombotic microangiopathies. Churg J, et al. **Semin Nephrol** 1985 Mar;5(1):46–56

[Electrically induced thrombosis—its experimental and clinical use] Siegenbruk C, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(3):151–7 (Eng. Abstr.) **(Ger)**

[Structural and functional changes in the kidneys in experimental vasorenal hypertension and means of correcting them] Petrun' NM, et al. **Urol Nefrol (Mosk)** 1987 May-Jun;(3):32–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Intrarenal effects of angiotensin II in renal artery stenosis. Anderson WP, et al. **Kidney Int [Suppl]** 1987 May; 20:S157–67 (87 ref.)

Effects on angiotensin-converting enzyme inhibition on renal hemodynamics in renal artery stenosis. Levenson DJ, et al. **Kidney Int [Suppl]** 1987 May;20:S173–9 (60 ref.)

Risks of angiotensin converting enzyme inhibition in renal artery stenosis. Wenting GJ, et al. **Kidney Int [Suppl]** 1987 May;20:S180–3

Renal artery stenosis: an example of how the periphery can modulate voluntary alcohol drinking. Grupp LA, et al. **Life Sci** 1987 Feb 9;40(6):563–70

[Changes in the microcirculation, morphologic structure and activity of redox enzymes of the kidney during constriction of the renal artery] Nikulina GG, et al. **Fiziol Zh** 1987 Jan-Feb;33(1):76–81 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Posttransplant renal artery stenosis: angiographic study in 32 children. Stanley P, et al. **AJR** 1987 Mar;148(3):487–90

Prognostic value of nephrography in atherosclerotic occlusion of the renal artery. Feltrin GP, et al. **Hypertension** 1986 Oct;8(10):962–4

Intraarterial digital subtraction angiography of renal transplants. Roeren T, et al. **Urol Radiol** 1986;8(2):77–80

[Interventional radiology of the kidneys and urinary tract] Brühlmann W, et al. **Schweiz Rundsch Med Prax** 1987 Feb 3;76(6):125–31 (Eng. Abstr.) **(Ger)**

[Traumatic renal infarction: CT and angiography] Yashiro N, et al. **Rinsho Hoshasen** 1986 Jun;31(6):705–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Increase of plasma renin activity at renal blood flow estimations with the xenon133 wash-out technique in patients with renal artery stenosis. Hägg A, et al. **Clin Physiol** 1987 Feb;7(1):55–61

Reliability of radionuclide angiography and renography to detect varying degrees of impaired renal artery flow. An animal study. Alazraki N, et al. **Contrib Nephrol** 1987; 56:82–6

The significance of captopril renography in renovascular hypertension. Oei HY, et al. **Contrib Nephrol** 1987; 56:95–103

Anomalous DMSA uptake in unilateral renal artery occlusion. Byrne P, et al. **Nucl Med Commun** 1986 Nov; 7(11):819–23

A comprehensive analysis of renal DTPA studies. III. Renal artery stenosis. Rutland MD, et al. **Nucl Med Commun** 1986 Dec;7(12):879–85

[Dynamic renal scintigraphy in aortic disorders—evaluation of renal arterial involvement] Terae S, et al. **Kaku Igaku** 1986 Oct;23(10):1413–22 (Eng. Abstr.) **(Jpn)**

SURGERY

The selection of hypertensive atherosclerotic patients for surgery or percutaneous transluminal angioplasty (PTA). De Plaen JF, et al. **Acta Clin Belg** 1987;42(1):58–65

Renal artery embolectomy. Hakami M, et al. **Angiology** 1976 Apr;27(4):255–7

Branched nonreversed saphenous vein graft for complex renal artery stenosis. Whittemore AD, et al. **Arch Surg** 1987 Jul;122(7):846–7

Traumatic renal artery occlusion: is late reconstruction advisable? Weimann S, et al. **J Urol** 1987 Apr;137(4):727–9

Ex vivo renal artery reconstructions: indications and techniques. Dean RH, et al. **J Vasc Surg** 1986 Dec; 4(6):546–52

Acute renal artery occlusion: when is revascularization justified? Ouriel K, et al. **J Vasc Surg** 1987 Feb;5(2):348–55

Simultaneous aortic reconstruction and renal revascularization: risk factors and late results in eighty-nine patients. Tarazi RY, et al. **J Vasc Surg** 1987 May; 5(5):707–14

Trends in surgical revascularization for renal artery disease. Ten years' experience. Novick AC, et al. **JAMA** 1987 Jan 23–30;257(4):498–501

Revascularization of traumatic thrombosis of the renal artery. Spirnak JP, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):22–6

Surgical treatment of renovascular hypertension caused by arteriosclerosis. II. Influence of preoperative risk factors and postoperative blood pressure response on late patient survival. van Bockel JH, et al. **Surgery** 1987 Apr; 101(4):468–77

[Changes in the surgical treatment of renal artery stenosis] Senning A, et al. **Rev Med Suisse Romande** 1986 Jul; 106(7):673–6 **(Fre)**

[Kidney autotransplantation] López R, et al. **Z Urol Nephrol** 1987 Apr;80(4):203–7 (Eng. Abstr.) **(Ger)**

[Prognosis and surgical treatment of vasorenal hypertension (review of the literature)] Shabalin AIa, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):128–33 (96 ref.) **(Rus)**

[Vascular reconstruction and balloon dilatation as a complement in the treatment of renal artery stenosis] Weibull H, et al. **Lakartidningen** 1987 May 27; 84(22):1949–50 **(Swe)**

THERAPY

Complications after percutaneous transluminal angioplasty of peripheral and renal arteries. Bergqvist D, et al. **Acta Radiol** 1987 Jan–Feb;28(1):3–12 (75 ref.)

Renal arterial pathology after percutaneous transluminal angioplasty. Adams CW, et al. **Atherosclerosis** 1987 Feb; 63(2–3):153–7

Use of short-tapered catheters in combination with a balloon catheter for markedly stenotic renal and brachiocephalic arteries. Takahashi M, et al. **Br J Radiol** 1985 Aug; 58(692):751–3

Treatment of neurofibromatosis associated renal artery stenosis with hypertension by percutaneous transluminal angioplasty. Mallmann R, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):893–9

Percutaneous transluminal angioplasty of renal transplant artery stenosis. Clements R, et al. **Clin Radiol** 1987 May; 38(3):235–7

Percutaneous transluminal angioplasty of renal transplant artery stenosis. Miner DG, et al. **Invest Radiol** 1987 Jun; 22(6):524–6

Failed percutaneous transluminal renal angioplasty: experience with lesions requiring operative intervention. Dean RH, et al. **J Vasc Surg** 1987 Sep;6(3):301–7

Rupture of the renal artery after percutaneous transluminal angioplasty [letter] **JAMA** 1987 Jun 26;257(24):3364–5

Rupture of the renal artery nine days after percutaneous transluminal angioplasty. Olin JW, et al. **JAMA** 1987 Jan 23–30;257(4):518–20

Surgery or angioplasty for cost-effective renal revascularization? England WL, et al. **Med Decis Making** 1987 Apr-Jun;7(2):84–91

Short-term effects of percutaneous transluminal renal angioplasty on renal function in unilateral renal artery stenosis. Hovinga TK, et al. **Neth J Med** 1986;29(11):347–51

Normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting. Palmaz JC, et al. **Radiology** 1987 Sep;164(3):705–8

Management of renal arterial disease in the elderly patient. Ziegelbaum M, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):130–4

Percutaneous transluminal angioplasty. The procedure of choice in the hypertensive renal allograft recipient with renal artery stenosis. Greenstein SM, et al. **Transplantation** 1987 Jan;43(1):29–32

[Percutaneous transluminal angioplasty of renal artery stenosis: a report of 10 cases] Dai RP. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug; 20(4):197–200 (Eng. Abstr.) **(Chi)**

[Treatment of renovascular hypertension: surgery or dilatation? (letter)] Kremer Hovinga TK, et al. **Ned Tijdschr Geneeskd** 1986 Nov 8;130(45):2049–50 **(Dut)**

[The treatment of renovascular hypertension: surgery or dilatation?] van Brummelen P, et al. **Ned Tijdschr Geneeskd** 1986 Aug 16;130(33):1472–5 **(Dut)**

[Percutaneous transluminal angioplasty in atheromatous stenosis of the renal artery. Late results] Salvador M, et al. **Arch Mal Coeur** 1986 Jun;79(6):847–50 (Eng. Abstr.) **(Fre)**

[Ambulatory 24-hour blood pressure monitoring before and after dilatation of renal artery stenoses] Baumgart P, et al. **Schweiz Med Wochenschr** 1986 Nov 15;116(46):1623–6 (Eng. Abstr.) **(Ger)**

[Treatment of arterial stenosis of the transplanted kidney with transluminal percutaneous angioplasty] Malfi B, et al. **Minerva Urol Nefrol** 1986 Jul–Sep;38(3):335–9 (Eng. Abstr.) **(Ita)**

[Treatment of acute arterial embolism of the kidney] Fava C, et al. **Radiol Med (Torino)** 1987 Jul–Aug;74(1–2):18–22 (Eng. Abstr.) **(Ita)**

[Indication and limitation of percutaneous transluminal renal angioplasty] Yoshioka T, et al. **Kokyu To Junkan** 1986 Sep; 34(9):929–36 **(Jpn)**

RENAL ARTERY STENOSIS see **RENAL ARTERY OBSTRUCTION**

RENAL CIRCULATION

Autoregulation of renal blood flow (RBF) with and without participation of afferent arterioles. Ofstad J, et al. **Acta Physiol Scand** 1987 May;130(1):25–32

Permeability of renal capillaries. I. Preparation of neutral and charged protein probes. Ojteg G, et al. **Acta Physiol Scand** 1987 Mar;129(3):277–86

Permeability of renal capillaries. II. Transport of neutral and charged protein molecular probes. Ojteg G, et al. **Acta Physiol Scand** 1987 Mar;129(3):287–94

Renal capillary permeability and intravascular red cell aggregation after ischaemia. I. Effects of xanthine oxidase activity. Ojteg G, et al. **Acta Physiol Scand** 1987 Mar; 129(3):295–304

Hemodynamics of the isolated perfused rat kidney in the absence and presence of kallikrein substrate. Mair M, et al. **Adv Exp Med Biol** 1986;198 Pt A:173–80

Experimental renal anaphylaxis: release of histamine and study of its effect on renal perfusion. Assem ES, et al. **Agents Actions** 1987 Apr;20(3–4):295–8

Renal hemodynamics in hypertension. Textor SC. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):24–9 (25 ref.)

Renal blood flow in man with essential hypertension. London GM, et al. **Am J Nephrol** 1986;6 Suppl 2:8–14 (41 ref.)

Endogenous prostaglandins modulate autoregulation of renal blood flow in young rats. Chevalier RL, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F66–75

Interrelationship of blood flow, juxtaglomerular cells, and hypertension: role of physical equilibrium and Ca. Fray JC, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R643–62 (140 ref.)

Postischemic hemodynamics and recovery of renal adenosine triphosphate. Gaudio KM, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 2):F603–9

Effects of hypoproteinemia on renal hemodynamics, arterial pressure, and fluid volume. Manning RD Jr. **Am J Physiol** 1987 Jan;252(1 Pt 2):F91–8

Renal vasodilatation after inhibition of renin or converting enzyme in marmoset. Neisius D, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H897–902

Ethane production as a measure of lipid peroxidation after renal ischemia. Paller MS, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):F839–43

Comparison of effects of ATP–MgCl2 and adenosine–MgCl2 on renal function following ischemia. Sumpio BE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R388–93

Serial analysis of renal blood flow by positron tomography with rubidium–82. Tamaki N, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1024–30

Adrenergic and angiotensin II influences on renal vascular tone in chronic sodium depletion. Tucker BJ, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F811–7

Autoregulation of renal blood flow and glomerular filtration rate in the pregnant rabbit. Woods LL, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R69–72

Escherichia coli endotoxin injections potentiate experimental ischemic renal injury. Zager RA. **Am J Physiol** 1986 Dec; 251(6 Pt 2):F988–94

Effective renal blood flow and renal energy charge in murine peritonitis. Haybron DM, et al. **Am Surg** 1986 Dec; 52(12):625–9

Effects of renal sympathetic blockade on renal hemodynamics in patients undergoing major aortic abdominal surgery. Gamulin Z, et al. **Anesthesiology** 1986 Dec;65(6):688–92

Hemodynamic changes and renal plasma flow in early heart failure: implications for renin, aldosterone, norepinephrine, atrial natriuretic peptide and prostacyclin. Holmer SR, et al. **Basic Res Cardiol** 1987 Mar–Apr;82(2):101–8

Fluid waves in renal tubules. Sakai T, et al. **Biophys J** 1986 Nov;50(5):805–13

The effects of atrial fibrillation on regional blood flow in the awake dog. Friedman HS, et al. **Can J Cardiol** 1987 Jun–Aug;3(5):240–5

Vascularization of the embryonic kidney. Detection of endothelial cells with Ulex europaeus I lectin. Holthöfer H. **Cell Differ** 1987 Jan;20(1):27–31

Renal vascular adjustments to partial renal venous obstruction in dog kidney. Abildgaard U, et al. **Circ Res** 1987 Aug;61(2):194–202

Contrast ultrasonography of the kidney: a new method for evaluation of renal perfusion in vivo. Lang RM, et al. **Circulation** 1987 Jan;75(1):229–34

A simplified method for the routine determination of effective renal plasma flow. Floyd JL, et al. **Clin Nucl Med** 1986 Nov;11(11):758–9

Acute tubular necrosis secondary to rhabdomyolysis with complete absence of renal perfusion. Pham DH, et al. **Clin Nucl Med** 1987 Jun;12(6):445–7

Significance of skeletal uptake detected on radionuclide renal perfusion studies. Zuckier LS, et al. **Clin Nucl Med** 1987 Jun;12(6):448–52

Increase of plasma renin activity at renal blood flow estimations with the xenon133 wash–out technique in patients with renal artery stenosis. Hägg A, et al. **Clin Physiol** 1987 Feb;7(1):55–61

Arteriography of renal transplantation. Gedroyc WM, et al. **Clin Radiol** 1987 May;38(3):239–43

Duplex ultrasound in the assessment of renal transplant complications. Murphy AM, et al. **Clin Radiol** 1987 May; 38(3):229–34

The renal circulation of conscious rabbits. Palmore WP. **Comp Biochem Physiol [A]** 1987;87(2):515–9

Desferrioxamine reduces susceptibility to lipid peroxidation in rabbit kidneys subjected to warm ischaemia and reperfusion. Green CJ, et al. **Comp Biochem Physiol [B]** 1986;85(1):113–7

Results of ERBF and ERPF measurements in healthy dogs with two new radiopharmaceutical principles. de Jong R, et al. **Contrib Nephrol** 1987;56:49–52

Renal hemodynamics after uninephrectomy. Hypertensive versus normotensive subjects. Minetti L, et al. **Contrib Nephrol** 1987;54:86–94

Noninvasive measurement of renal blood flow using DTPA. Peters AM, et al. **Contrib Nephrol** 1987;56:26–30

Venous hypercarbia in canine hemorrhagic shock. Benjamin E, et al. **Crit Care Med** 1987 May;15(5):516–8

Evaluation of intra–abdominal pressure and renal hemodynamics. Caldwell CB, et al. **Curr Surg** 1986 Nov–Dec;43(6):495–8

Direct assessment of renal microcirculatory dynamics. Navar LG, et al. **Fed Proc** 1986 Dec;45(13):2851–61

Exaggerated renal vasodilator response to calcium entry blockade in first–degree relatives of essential hypertensive subjects. Blackshear JL, et al. **Hypertension** 1987 Apr; 9(4):384–9

Systemic and renal hemodynamic consequences of manipulation of serum calcium and/or parathyroid hormone in the intact conscious mongrel dog. Zawada ET Jr, et al. **J Am Coll Nutr** 1987 Apr;6(2):131–8

Analysis of influence of extra– and intrarenally formed angiotensin II on renal blood flow. Rassier ME, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S106–10

An explanation of renal hemodynamics in acute renal failure based on sequential CT in patients with Korean hemorrhagic fever. Lim TH, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):474–9

Effect of metabolic acidosis on fetal renal haemodynamics. Robillard JE, et al. **J Dev Physiol** 1987 Apr;9(2):105–12

Microdissection of methyl methacrylate vascular casts in the scanning electron microscope. Yoshida S, et al. **J Electron Microsc (Tokyo)** 1986;35(3):276–9

Renal haemodynamics and total body sodium in immature spontaneously hypertensive and Wistar–Kyoto rats. Harrap SB, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S249–52

Renal haemodynamics in spontaneously hypertensive rats with superficial glomeruli. Higa EM, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S379–81

Renal arteriovenous transit times of technetium–radiolabeled chelates. Conrad GR, et al. **J Nucl Med** 1987 Jul; 28(7):1134–43

Measurement of effective renal plasma flow: a comparison of methods. Fine EJ, et al. **J Nucl Med** 1987 Sep; 28(9):1393–400

Comparison of the effects of the novel inotropic agent, ibopamine, with epinine, dopamine and fenoldopam on renal vascular dopamine receptors in the anesthetized dog. Nichols AJ, et al. **J Pharmacol Exp Ther** 1987 Aug; 242(2):573–8

Flow redistribution in a hyperdynamic small animal burn: comparison to patterns in sepsis. Schirmer WJ, et al. **J Surg Res** 1987 Jul;43(1):29–36

Experimental partial ureteric obstruction: pathophysiological changes in upper tract pressures and renal blood flow. Ryan PC, et al. **J Urol** 1987 Sep;138(3):674–8

Effect of left atrial to left femoral artery bypass and renin–angiotensin system blockade on renal blood flow and function during and after thoracic aortic occlusion. Joob AW, et al. **J Vasc Surg** 1987 Feb;5(2):329–35

Reflex renal vasoconstriction on portal vein distension. Koyama S, et al. **Jpn J Physiol** 1986;36(3):441–50

Dissociation between changes in renal nerve activity and renal vascular resistance in conscious dogs. Morita H. **Jpn J Physiol** 1986;36(3):585–93

Intrarenal hemodynamic alterations induced by anti–GBM antibody. Boyce NW, et al. **Kidney Int** 1987 Jan;31(1):8–14

Measurement of renal blood flow by cine computed tomography. Jaschke W, et al. **Kidney Int** 1987 Apr; 31(4):1038–42

Plasma and urinary catecholamines as related to renal function in man. Laederach K, et al. **Kidney Int** 1987 Jan; 31(1):107–11

The contribution of vascular obstruction to the functional defect that follows renal ischemia. Mason J, et al. **Kidney Int** 1987 Jan;31(1):65–71

Renin–angiotensin system and renal circulation in clinical congestive heart failure. Dzau VJ. **Kidney Int [Suppl]** 1987 May;20:S203–9 (57 ref.)

Low molecular weight proteinuria exacerbates experimental ischemic renal injury. Zager RA, et al. **Lab Invest** 1987 Feb;56(2):180–8

Renal hemodynamics and functional changes during the transition from fetal to newborn life in sheep. Nakamura KT, et al. **Pediatr Res** 1987 Mar;21(3):229–34

Infrarenal aortic clamping and renal hemodynamics. Abadir AR, et al. **Proc West Pharmacol Soc** 1987;30:333–7

Quantitative vascular casting of the post–ischemic hydronephrotic kidney. Gattone VH 2d, et al. **Scan Electron Microsc** 1986;(Pt 2):549–56

The hemodynamic basis of progressive renal disease. Dunn BR, et al. **Semin Nephrol** 1986 Jun;6(2):122–38 (238 ref.)

Strategies used to alter the immunogenicity of vascularized organ allografts. Pollak R, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 1):258–61

Quantitative renal blood flow in urinary tract obstruction. Moskovitz B, et al. **Urol Int** 1987;42(2):96–9

Year–to–year changes in effective renal plasma flow in asymptomatic spinal cord injury patients. Kuhlemeier KV, et al. **Urology** 1986 Oct;28(4):270–4

Effect of volume depletion on the afferent arterioles in the avian kidney. Morild I, et al. **Virchows Arch [A]** 1987; 411(2):149–55

[Estimation of regional blood flow in animals using 51Cr– and 99mTc–biomicrospheres] Wang JX, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):248–51 (Eng. Abstr.) **(Chi)**

[Significance of fundus evaluation in the staging of hypertensive disease compared to electrocardiography and renal circulation] Wulle KG, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):463–6 (Eng. Abstr.) **(Ger)**

[Heart phase–triggered serial angiodensitometry of renal and cerebral hemodynamics] Gollnast HK. **Radiol Diagn (Berl)** 1986;27(5):653–8 (Eng. Abstr.) **(Ger)**

[Changes in renal blood distribution and catecholamine content in the kidney after clamping renal artery] Kawai H. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1151–60 (Eng. Abstr.) **(Jpn)**

[Systemic hemodynamics and intrarenal blood flow distribution in glycerol–induced acute renal failure in the rats] Sakamoto W. **Nippon Jinzo Gakkai Shi** 1986 Jun; 28(6):763–75 (Eng. Abstr.) **(Jpn)**

[Experimental study of low flow rate of left ventricular assist device in coronary sinus, renal artery and carotid artery flow] Namiki Y. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):67–74 (Eng. Abstr.) **(Jpn)**

[Experimental study in intraaortic balloon pumping and left ventricular assist device for left ventricular failure, individually and in combination; influence on coronary sinus flow and renal artery flow] Orime Y. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):829–38 (Eng. Abstr.) **(Jpn)**

[Changes in glomerular hemodynamics associated with persistent renovascular hypertension] Herrera–Acosta J, et al. **Gac Med Mex** 1986 Jan–Feb;122(1–2):31–7 **(Spa)**

DRUG EFFECTS

Systemic and renal hemodynamic effects of single oral doses of cadralazine and long term antihypertensive effects of cadralazine in patients receiving therapy with beta–blockers and diuretics. Persson B, et al. **Acta Med Scand [Suppl]** 1986;714:177–82

Effect of hypotension induced by sodium nitroprusside on catecholamine overflow in the canine kidney. Bradley T, et al. **Acta Physiol Scand** 1986 Oct;128(2):305–8

Role of dopamine2–receptors in mediating renal vascular response to low dose dopamine infusion in the rat. Seri I, et al. **Acta Physiol Scand** 1987 Aug;130(4):563–9

Effects of endotoxin on hemodynamics of isolated dog kidney. Bourgeois N, et al. **Adv Exp Med Biol** 1987; 212:81–5

Central and renal hemodynamic effects and hormonal response to diltiazem in severe congestive heart failure. Kulick DL, et al. **Am J Cardiol** 1987 May 1;59(12):1138–43

Renal hemodynamics and pharmacokinetics of bevantolol in patients with impaired renal function. Solimon M, et al. **Am J Cardiol** 1986 Nov 26;58(12):21E–24E

Effects of alpha 1 inhibition on renal blood flow and sympathetic nervous activity in systemic hypertension. Wilner KD, et al. **Am J Cardiol** 1987 May 29; 59(14):82G–86G

Renal blood flow, glomerular filtration rate, and renal morphology in cyclosporine–induced acute renal failure in Munich–Wistar rats. Racusen LC, et al. **Am J Kidney Dis** 1986 Nov;8(5):319–22

Renal hemodynamic effects of tertatolol compared with those of propranolol in the conscious dog. Laubie M, et al. **Am J Nephrol** 1986;6 Suppl 2:20–4

Tertatolol preserves renal perfusion in patients with arterial hypertension after head injury. Leeman M, et al. **Am J Nephrol** 1986;6 Suppl 2:36–9

Renal hemodynamic effects of tertatolol in essential hypertension. Paillard F, et al. **Am J Nephrol** 1986;6 Suppl 2:40–4

Influence of norepinephrine and angiotensin II on vasomotion of renal blood supply in humans. Hollenberg NK, et al. **Am J Physiol** 1987 May;252(5 Pt 2):H941–4

Effect of atrial natriuretic factor on renal hemodynamics in the rat. Pollock DM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F795–801

Low dose infusion of dopamine [letter] Salem MG. **Anaesthesia** 1987 May;42(5):572

Vascular effects of selective dopamine receptor agonists and antagonists in the rat kidney. Schmidt M, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):195–205

Comparative renal effects of calcium channel blockers in conscious spontaneously hypertensive rats. Vemulapalli S, et al. **Arch Int Pharmacodyn Ther** 1987 Jun;287(2):309–22

An in vitro analysis of purine-mediated renal vasoconstriction in rat isolated kidney. Kenakin TP, et al. **Br J Pharmacol** 1987 Feb;90(2):373–81

Renal and systemic hemodynamic effects of synthetic atrial natriuretic peptide in the anesthetized rat. Dunn BR, et al. **Circ Res** 1986 Sep;59(3):237–46

Modulation of the natriuretic response to atrial natriuretic peptide by alterations in peritubular Starling forces in the rat. Mendez RE, et al. **Circ Res** 1986 Dec;59(6):605–11

L-platelet activating factor induces changes on renal vascular resistance, vascular reactivity, and renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Circ Res** 1987 Apr;60(4):534–9

Effects of captopril on cardiorenal hemodynamics in patients with severe chronic congestive heart failure. Kubo S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):575–81

Antihypertensive action of angiotensin-I converting enzyme inhibitors in the kidney. Matsukawa S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):391–4

Renal haemodynamics and comparative effects of captopril in patients with benign- or malignant-essential hypertension, or with chronic renal failure. Shionoiri H, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):543–9

Renal vascular responses to saralasin in conscious chemically denervated rabbits and patients with tetraplegia. Unwin RJ, et al. **Clin Exp Hypertens [A]** 1986;8(6):919–39

Persistent effects on blood pressure and renal haemodynamics following chronic angiotensin converting enzyme inhibition with perindopril. Harrap SB, et al. **Clin Exp Pharmacol Physiol** 1986 Nov–Dec; 13(11–12):753–65

Renal and cardiovascular effects of caffeine: a dose-response study. Passmore AP, et al. **Clin Sci** 1987 Jun;72(6):749–56

Effect of human atrial natriuretic factor on renal plasma flow. Bischof-Delaloye A, et al. **Contrib Nephrol** 1987;56:12–7

Captopril as a predictor of curable hypertension in renal transplant recipients. Dubovsky EV, et al. **Contrib Nephrol** 1987;56:117–23

Comment: haloperidol effect on dopamine-induced increase in renal blood flow [letter] Green L, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):987

Human renovascular effects of dopexamine hydrochloride: a novel agonist of peripheral dopamine and beta 2-adreno-receptors. Magrini F, et al. **Eur J Clin Pharmacol** 1987;32(1):1–4

Renal vasoconstrictive effect of kinins mediated by B1-kinin receptors. Guimarães JA, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):177–85

Differential pressor and renal vascular reactivity to angiotensin II in spontaneously hypertensive and Wistar-Kyoto rats. Guidi E, et al. **Hypertension** 1987 Jun; 9(6):591–7

Preferential inhibitory effect of nifedipine on angiotensin II-induced renal vasoconstriction. Imagawa J, et al. **Hypertension** 1986 Oct;8(10):897–903

Evidence that prostacyclin mediates the vascular action of magnesium in humans. Nadler JL, et al. **Hypertension** 1987 Apr;9(4):379–83

Systemic and renal vascular responses to dietary calcium and vitamin D. Zawada ET Jr, et al. **Hypertension** 1986 Nov; 8(11):975–82

Effect of cisplatin on renal haemodynamics and tubular function in the dog kidney. Daugaard G, et al. **Int J Androl** 1987 Feb;10(1):347–51

Renal hemodynamic changes after beta-blocker-diuretic combination therapy in azotemic hypertensive patients. Zawada ET Jr. **Int J Artif Organs** 1986 Nov;9(6):405–12

Evolution of renal function under chronic oral administration of labetalol. Labeeuw M, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan;25(1):23–5

Acute systemic and renal hemodynamic effects of meglumine/sodium diatrizoate 76% and iopamidol in euvolemic and dehydrated dogs. Katzberg RW, et al. **Invest Radiol** 1986 Oct;21(10):793–7

Modification by dihydropyridine-type calcium antagonists of the renal hemodynamic response to vasoconstrictors. Loutzenhiser R, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S70–5

Dihydropyridine calcium antagonists and agonists in the isolated perfused Dahl rat kidney. Steele TH, et al. **J Cardiovasc Pharmacol** 1987;9 Suppl 1:S44–8

Clinical effects of intravenous diltiazem hydrochloride on renal hemodynamics. Yokoyama S, et al. **J Cardiovasc Pharmacol** 1987 Mar;9(3):311–6

The effects of verapamil on renal blood flow, renal function, and neurohormonal profiles in patients with moderate to severe hypertension. Kubo SH, et al. **J Clin Hypertens** 1986 Sep;2(3 Suppl):38S–46S

Acute renal effects of captopril in patients with congestive heart failure. Ribstein J, et al. **J Clin Hypertens** 1986 Sep; 2(3):238–44

Synthesis and renal vasodilator activity of some dopamine agonist 1-aryl-2,3,4,5-tetrahydro-1H-3-benzazepine-7,8-diols: halogen and methyl analogues of fenoldopam. Weinstock J, et al. **J Med Chem** 1986 Nov;29(11):2315–25

Autoregulation of renal blood flow during the infusion of acetylcholine or carbachol in anaesthetized dogs. Ogawa N, et al. **J Pharm Pharmacol** 1987 Jun;39(6):493–5

Further characterization of the renovascular effects of N6-cyclohexyladenosine in the isolated perfused rat kidney. Rossi NF, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):911–5

Renal vasoconstrictor response to hypertonic saline in the dog: effects of prostaglandins, indomethacin and theophylline. Gerber JG, et al. **J Physiol (Lond)** 1986 Nov; 380:35–43

Effect of thromboxane inhibition on renal blood flow in dogs with complete unilateral ureteral obstruction. Loo MH, et al. **J Urol** 1986 Dec;136(6):1343–7

Inhibitory effects of trifluoperazine and chlorpromazine, calmodulin inhibitor, on autoregulation of renal blood flow. Ogawa N, et al. **Jpn J Pharmacol** 1987 Mar;43(3):331–4

Different effects of various vasodilators on autoregulation of renal blood flow in anesthetized dogs. Ogawa N, et al. **Jpn J Pharmacol** 1986 Jul;41(3):299–306

Role of peritubular capillary forces in the renal action of carbonic anhydrase inhibitor. Ichikawa I, et al. **Kidney Int** 1986 Dec;30(6):828–35

Immune complex effects on glomerular eicosanoid production and renal hemodynamics. Rahman MA, et al. **Kidney Int** 1987 Jun;31(6):1317–26

The effects of angiotensin II and norepinephrine on afferent arterioles in the rat. Wilson SK. **Kidney Int** 1986 Dec; 30(6):895–905

Protective effects of hydralazine in a renal ischemia model in the rat. Vergona RA, et al. **Life Sci** 1987 Aug 3; 41(5):563–9

Atrial natriuretic peptide causes pre-glomerular vasodilatation and post-glomerular vasoconstriction in rat kidney. Marin-Grez M, et al. **Nature** 1986 Dec 4–10; 324(6096):473–6

The direct and amplifying effects of serotonin are increased with age in the isolated perfused kidney of Wistar and spontaneously hypertensive rats. Janssens WJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):327–32

Role of Ca channel in the renal autoregulatory vascular response analysed by the use of BAY K 8644. Ogawa N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):189–93

Different effects of noradrenaline, angiotensin II and BAY K 8644 on the abolition of autoregulation of renal blood flow by verapamil. Ogawa N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Aug; 333(4):445–9

Renal and iliac vascular effects of dopamine in the anaesthetized rat. Schmidt M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Apr; 335(4):378–84

Effects of acute reduction in blood pressure on the renal function of rats with diseased kidneys. Okuda S, et al. **Nephron** 1987;45(4):311–5

The effect of a high protein intake on renal function of patients with chronic renal insufficiency. Schaap GH, et al. **Nephron** 1987;47(1):1–6

Effects of captopril on the intrarenal hemodynamics of postischemic acute renal failure in anesthetized dogs. Nishino A, et al. **Nippon Jinzo Gakkai Shi** 1987 Mar; 29(3):335–40

Adverse effects of cyclosporine A on the microcirculation of the cold preserved kidney. Anaise D, et al. **NY State J Med** 1987 Mar;87(3):141–2

Renal perfusion in experimental coarctation of the aorta during antihypertensive therapy. Uhari M, et al. **Pediatr Cardiol** 1986;7(2):83–7

Selective antagonism of renal hemodynamic changes induced by dopamine, DPDA, fenoldopam and quinpirole in the rat. Rosenkranz RP, et al. **Proc West Pharmacol Soc** 1987; 30:25–36

Hemodynamic effects of PAF-acether on the dog kidney. Hébert RL, et al. **Prostaglandins Leukotrienes Med** 1987 Mar;26(3):189–202

Early renal pathophysiology in an acute model of cyclosporine nephrotoxicity in rats. Racusen LC, et al. **Ren Fail** 1987;10(1):29–37

Renal blood flow during acute ischaemic heart failure in dogs: effects of dopamine and high doses of insulin. Reikerås O, et al. **Scand J Clin Lab Invest** 1986 Nov; 46(7):671–5

Dissociation of renin and noradrenaline release in the renal circulation. Studies on patients with renal hypertension. Herlitz H, et al. **Scand J Urol Nephrol** 1986;20(3):213–6

Renal blood flow in acute cerebral ischemia in spontaneously hypertensive rats: effects of alpha- and beta-adrenergic blockade. Yao H, et al. **Stroke** 1987 May–Jun;18(3):629–33

The pathophysiology of the no-reflow phenomenon in cold-stored kidneys. Anaise D, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1348–52

[Effects of constant-rate infusion of low concentrations of N-methyltyramine on renal blood flow and systemic hemodynamics in anesthetized dogs] Shen Y, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):325–9 (Eng. Abstr.) **(Chi)**

[Effect of caffeine and sidnofen on the blood supply of the brain, kidneys and hindlimbs during antiorthostatism] Koniaeva EI, et al. **Farmakol Toksikol** 1987 May–Jun; 50(3):39–42 (Eng. Abstr.) **(Rus)**

[Disorders of renal and central hemodynamics and their correction in patients with acute suppurative calculous pyelonephritis] Neimark AI. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):27–9 (Eng. Abstr.) **(Rus)**

RENAL CORTICAL NECROSIS see **KIDNEY CORTEX NECROSIS**

RENAL DIALYSIS, HOME see **HEMODIALYSIS, HOME**

RENAL FAILURE, ACUTE see **KIDNEY FAILURE, ACUTE**

RENAL FAILURE, CHRONIC see **KIDNEY FAILURE, CHRONIC**

RENAL OSTEODYSTROPHY

[Uremic osteodystrophy--update] Popovtzer MM. **Harefuah** 1986 Nov 16;111(10):328–30 (9 ref.) **(Heb)**

[Renal osteodystrophy: considerations on its etiopathogenesis, diagnosis and treatment] Cannata Andia JB. **Medicina (B Aires)** 1985;45(5):575–84 (67 ref.) **(Spa)**

CHEMICALLY INDUCED

Aluminum: culprit or accessory in the genesis of renal osteodystrophy. Quarles LD, et al. **Semin Nephrol** 1986 Mar;6(1):90–101 (53 ref.)

Aluminum and renal osteodystrophy. Sherrard DJ. **Semin Nephrol** 1986 Dec;6(4 Suppl 1):5–11 (38 ref.)

COMPLICATIONS

Arthropathy in haemodialysed patients. Lőcsey L, et al. **Acta Med Hung** 1986;43(4):413–22

Primary bone oxalosis: the roles of oxalate deposits and renal osteodystrophy. Benhamou CL, et al. **Bone** 1987;8(2):59–64

Pathologic fractures in a patient with renal osteodystrophy. Failure of early detection on bone scans. Campeau RJ, et al. **Clin Nucl Med** 1987 Jul;12(7):510–3

Thallium-201 and technetium-99m subtraction scanning of the parathyroid glands in patients with hyperparathyroidism due to renal osteodystrophy. Goggin MJ, et al. **Contrib Nephrol** 1987;56:196–9

Lumbar spinal stenosis associated with renal osteodystrophy. Spatola MA, et al. **Neurosurgery** 1987 Feb;20(2):319–21

Distal phalangeal brachydactyly secondary to healed renal osteodystrophy. Wu AC, et al. **Skeletal Radiol** 1987; 16(4):312–5

[The skull in renal osteodystrophy] Orzincolo C, et al. **Radiol Med (Torino)** 1987 Jun;73(6):518–22 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Renal osteodystrophy in asymptomatic hemodialysis patients: evidence of a sex-dependent distribution and predictive value of serum aluminum measurements. von Herrath D, et al. **Am J Kidney Dis** 1986 Dec;8(6):430–5

Painful bone end sclerosis. Variant of renal osteodystrophy simulating osteonecrosis. Steadman C, et al. **Am J Med** 1987 Jan;82(1):171–4

Noninvasive diagnosis of uremic osteodystrophy: uses and limitations. Heaf JG, et al. **Am J Nephrol** 1987;7(3):203–11

Comparison of parathyroid hormone assays with bone histomorphometry in renal osteodystrophy. Andress DL, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1163–9

[Renal osteodystrophy] Schober HC. **Z Urol Nephrol** 1986 Oct;79(10):595–602 **(Ger)**

[Value of bloodless methods in the study of renal osteodystrophy: comparison with bone histomorphometry] González-Posada JM, et al. **Med Clin (Barc)** 1987 Feb 21; 88(7):268–73 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Renal hypophosphatemic rickets. Growth and mineral metabolism after treatment with calcitriol (1,25-dihydroxyvitamin D3) and phosphate supplementation. Tsuru N, et al. **Am J Dis Child** 1987 Jan; 141(1):108–10

Management of rachitic deformities in children with chronic renal failure. Blockey NJ, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):791–4

Parenteral calcitriol for treatment of severe renal osteodystrophy in children with chronic renal insufficiency. Trachtman H, et al. **J Pediatr** 1987 Jun;110(6):966–70

"High-dose" calcitriol for control of renal osteodystrophy in children on CAPD. Salusky IB, et al. **Kidney Int** 1987 Jul; 32(1):89–95

Vitamin D. **Semin Nephrol** 1986 Mar;6(1):3–101

Use of vitamin D analogs in renal osteodystrophy. Johnson WJ. **Semin Nephrol** 1986 Mar;6(1):31–41 (71 ref.)

[The effects of estrogen on renal osteodystrophy in the female patients undergoing maintenance hemodialysis] Akino H, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1129–36 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Rapid suppression of plasma alkaline phosphatase activity after renal transplantation in patients with osteodystrophy. Cundy T, et al. **Clin Chim Acta** 1987 May 15;164(3):285–91

ETIOLOGY

Pathogenesis of osteomalacia in chronic renal failure and its relationship to vitamin D. Kanis JA, et al. **Ann Med Interne (Paris)** 1986;137(3):193–9 (58 ref.)

The interaction of parathyroid hormone and aluminum in renal osteodystrophy [clinical conference] Slatopolsky E.

Kidney Int 1987 Mar;31(3):842–54

Renal osteodystrophy in patients on hemodialysis for more than 10 years. Piraino BM, et al. **Miner Electrolyte Metab** 1986;12(5–6):390–6

Severe renal osteodystrophy without elevated serum immunoreactive parathyroid hormone concentrations in hypomagnesemia due to renal magnesium wasting. Zelikovic I, et al. **Pediatrics** 1987 Mar;79(3):403–9

Behavior of the vitamin D endocrine system in the development of renal osteodystrophy. McCarthy JT, et al. **Semin Nephrol** 1986 Mar;6(1):21–30 (143 ref.)

Renal osteodystrophy. Sherrard DJ. **Semin Nephrol** 1986 Mar;6(1):56–67 (70 ref.)

[Respective roles of hemodialysis, hydroxyapatite and amyloid deposits in so-called destructive spondylarthropathy of hemodialysis. Apropos of 2 personal cases without hemodialysis] Alcalay M, et al. **Rev Rhum Mal Osteoartic** 1986 Oct;53(10):529–34 **(Fre)**

[Secondary hyperparathyroidism in hemodialyzed uremic diabetic patients. Relatively less severe skeletal injuries] Bedani PL, et al. **Minerva Urol Nefrol** 1986 Oct–Dec; 38(4):425–9 (Eng. Abstr.) **(Ita)**

[Aluminum associated bone disease in patients undergoing long-term hemodialysis] Hino M, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jun 20;62(6):724–36 (Eng. Abstr.) **(Jpn)**

[Etiology and pathology of metabolic bone diseases: renal osteodystrophy] Shigematsu T, et al. **Nippon Rinsho** 1986 Nov;44(11):2428–36 (25 ref.) **(Jpn)**

[Renal osteodystrophy in children with chronic renal insufficiency] Furková K, et al. **Cesk Pediatr** 1986 Sep; 41(9):514–8 (Eng. Abstr.) **(Slo)**

METABOLISM

[Renal osteodystrophy. Physiopathological and clinical aspects] Farinelli A, et al. **Minerva Urol Nefrol** 1986 Oct–Dec;38(4):417–24 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Serum bone gla-protein compared to bone histomorphometry in hemodialyzed patients. Charhon SA, et al. **Adv Exp Med Biol** 1986;208:291–6

Bone oxalate in a long-term hemodialysis patient who ingested high doses of vitamin C. Ott SM, et al. **Am J Kidney Dis** 1986 Dec;8(6):450–4

The effect of hemodialysis, vitamin D metabolites and renal transplantation on the skeletal demineralization associated with renal osteodystrophy: a computerized histomorphometric analysis. Main J, et al. **Clin Nephrol** 1986 Dec;26(6):279–87

Comparison of histomorphometry and computerized tomography of the spine in quantitating trabecular bone in renal osteodystrophy. Torres A, et al. **Nephron** 1986; 44(4):282–7

Skeletal remodeling and renal osteodystrophy. Hodgson SF. **Semin Nephrol** 1986 Mar;6(1):42–55 (39 ref.)

[Conjunctival and osseous changes in dialyzed patients] Hejcmanová D, et al. **Cesk Oftalmol** 1987 May;43(3):145–50 (Eng. Abstr.) **(Cze)**

[Histochemical localization of aluminum deposits in bones and their relation to the clinical and histomorphometric findings in patients with chronic renal failure] Stein G, et al. **Z Urol Nephrol** 1986 Oct;79(10):577–86 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Parathyroidectomy and the development of renal insufficiency] Bedani PL, et al. **Minerva Urol Nefrol** 1986 Oct–Dec;38(4):431–3 (Eng. Abstr.) **(Ita)**

[Behavior and significance of phalangeal bone changes in uremic patients under periodic hemodialysis treatment] Tamarozzi R, et al. **Radiol Med (Torino)** 1987 Mar; 73(3):154–8 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Alternative phosphate binders in dialysis patients: calcium carbonate. Slatopolsky E, et al. **Semin Nephrol** 1986 Dec; 6(4 Suppl 1):35–41

[Iatrogenic risk in the treatment of uremic osteodystrophy] Giachino G, et al. **Minerva Urol Nefrol** 1987 Apr–Jun; 39(2):153–6 **(Ita)**

RADIOGRAPHY

Oxalosis in bone causing a radiographical mimicry of renal osteodystrophy. Julian BA, et al. **Am J Kidney Dis** 1987 May;9(5):436–40

Pattern of bone disease in maintenance haemodialysis patients in Malaysia. Segasothy M, et al. **Med J Malaysia** 1986 Jun; 41(2):144–51

Maxillomandibular versus hands roentgenographs in the evaluation of renal osteodystrophy [letter] Innocenti M, et al. **Nephron** 1987;46(2):208–9

Renal osteodystrophy: a case study. Fenn JM, et al. **Radiography** 1986 Sep–Oct;52(605):240–2

Acroosteolysis: early marker of skeletal damage in patients with chronic renal insufficiency. Tamarozzi R, et al. **Rays** 1985 Jan–Apr;10(1):61–5

[Special radiology of the hand in renal osteopathy] Bosnjakovic-Büscher S, et al. **Radiologe** 1986 Dec; 26(12):580–6 (Eng. Abstr.) **(Ger)**

[Radiological manifestations of uremic osteodystrophy in the jaws: clinical implications] Tarello F, et al. **Minerva Stomatol** 1987 Jan–Feb;36(1–2):109–18 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

A simple noninvasive method for assessing renal osteodystrophy. Nisbet AP, et al. **Contrib Nephrol** 1987; 56:205–9

A trial of semiquantitative analysis of whole body bone scintigraphy in renal osteodystrophy. Kida T, et al. **Eur J Nucl Med** 1987;13(1):36–40

Radiophosphate disclosure of subperiosteal bone formation in renal osteodystrophy. Rosenthall L, et al. **J Nucl Med** 1986 Oct;27(10):1572–6

[Role of photon absorption densitometry of the bone in uremic osteodystrophy] Bichi Secchi E, et al. **Radiol Med (Torino)** 1987 Apr;73(4):265–70 (Eng. Abstr.) **(Ita)**

[Metabolic bone diseases (4): Renal osteodystrophy] Seto H. **Rinsho Hoshasen** 1987 May;32(5):619–20 **(Jpn)**

[Radioisotope studies of the bones in renal osteodystrophy] Przedlacki J. **Pol Tyg Lek** 1987 May 4;42(18):562–4 (25 ref.) **(Pol)**

SURGERY

[Surgical treatment of deformities of the lower extremities in renal osteodystrophy] Krisiuk AP, et al. **Ortop Travmatol Protez** 1987 Jan;(1):19–22 (Eng. Abstr.) **(Rus)**

THERAPY

Controlled study of renal osteodystrophy in patients undergoing dialysis. Improved response to continuous ambulatory peritoneal dialysis compared with hemodialysis. Shusterman NH, et al. **Am J Med** 1987 Jun;82(6):1148–56

[Chronic renal failure: present and future. Pathophysiology and metabolic abnormalities—Recent advances of therapeutic approach toward renal osteodystrophy] Ogura Y, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov; 75(11):1555–8 **(Jpn)**

RENAL PAPILLITIS, NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

RENAL TUBULAR TRANSPORT, INBORN ERRORS

COMPLICATIONS

Pathogenesis of cataracts in patients with Lowe's syndrome. Tripathi RC, et al. **Ophthalmology** 1986 Aug;93(8):1046–51

DIAGNOSIS

[Antenatal diagnosis of Lowe's syndrome based on histologic tests of the fetal eyes] Dufier JL, et al. **J Fr Ophtalmol** 1986;9(5):361–6 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Update: Lowe's syndrome. Wappner RS. **Compr Ther** 1987 Apr;13(4):3–4

Mapping the Lowe oculocerebrorenal syndrome to Xq24–q26 by use of restriction fragment length polymorphisms. Silver DN, et al. **J Clin Invest** 1987 Jan; 79(1):282–5

Lenticular opacities in carriers of Lowe's syndrome. Cibis GW, et al. **Ophthalmology** 1986 Aug;93(8):1041–5

[Oculocerebrorenal syndrome in a girl (letter)] Frézal J, et al. **Arch Fr Pediatr** 1986 Aug–Sep;43(7):537 **(Fre)**

METABOLISM

Proteoglycan synthesis in normal and Lowe syndrome fibroblasts. Harper GS, et al. **J Biol Chem** 1987 Apr 25; 262(12):5637–43

Decreased procollagen production in cultured fibroblasts from patients with Lowe's syndrome. Palmieri MJ, et al. **J Inherited Metab Dis** 1985;8(4):187–92

RADIOGRAPHY

Oculocerebrorenal syndrome: case report with CT and MR correlates. O'Tuama LA, et al. **AJNR** 1987 May–Jun; 8(3):555–7

[Severe course of osteopathy in Lowe's oculocerebrorenal syndrome] Sperl W, et al. **Padiatr Padol** 1987;22(2):143–8 (Eng. Abstr.) **(Ger)**

RENAL VEINS

Successful treatment with streptokinase of renal vein thrombosis associated with oral contraceptive use. Barré P, et al. **Am J Nephrol** 1986;6(4):316–20

Renal vein ethanol concentration during ablation of renal cell carcinoma. Haapanen AA, et al. **Cardiovasc Intervent Radiol** 1986;9(4):205–8

Renal vascular adjustments to partial renal venous obstruction in dog kidney. Abildgaard U, et al. **Circ Res** 1987 Aug;61(2):194–202

Renal vein entrapment syndrome: frequency and diagnosis. A lesson in conservatism. Wolfish NM, et al. **Clin Nephrol** 1986 Aug;26(2):96–100

Scintigraphic criteria for the diagnosis of renal arteriovenous fistulas. Rosen JM, et al. **Clin Nucl Med** 1986 Dec; 11(12):847–50

Bone scan detection of renal vein thrombosis secondary to hypernephroma. Swayne LC. **Clin Nucl Med** 1986 Feb; 11(2):133–4

Acute renal vein thrombosis in adults. Mahmoud Ezzat I. **Int Urol Nephrol** 1986;18(3):243–53

Perirenal subcapsular fluid collection in a patient with membranous nephropathy and renal vein thrombosis. Orofino L, et al. **J Urol** 1986 Dec;136(6):1287–9

Renal arteriovenous fistula associated with a huge renal vein dilatation. Takatera H, et al. **J Urol** 1987 Apr;137(4):722–4

Fistulas between the aorta and the left renal vein. Celoria GM, et al. **J Vasc Surg** 1987 Aug;6(2):191–3

Renal vasculitis and intravascular coagulation. **Semin Nephrol** 1985 Mar;5(1):2–77

Renal and axillary thrombosis in an infant of a diabetic mother. Tekinalp G, et al. **Turk J Pediatr** 1986 Jul–Sep; 28(3):191–4

Noninvasive diagnosis and follow-up of childhood renal vein thrombosis by ultrasound, Doppler, and renal scintiscan. Park CH, et al. **Uremia Invest** 1985–86;9(2):305–13

[Primary leiomyosarcoma of the renal vein] Farges O, et al. **Ann Chir** 1986 Oct;40(7):493–7 (Eng. Abstr.) **(Fre)**

[Neonatal bilateral renal venous thrombosis and Salmonella ibadan infection. Cure with thrombolytic agents] Velin P, et al. **Arch Fr Pediatr** 1987 Apr;44(4):287–9 (Eng. Abstr.) **(Fre)**

[Splenogastrorenal shunt in portal hypertension: a little known entity. Study of 6 cases and review of the literature] Bretagne JF, et al. **Gastroenterol Clin Biol** 1987 Jun–Jul; 11(6–7):453–9 (Eng. Abstr.) **(Fre)**

[Neoplastic thrombosis from a uterine cancer via the ovarian vein. Venous collateralization via the vasa vasorum in occlusions of the renal vein and the inferior vena cava] Reichelt HG. **Radiologe** 1986 Aug;26(8):385–7 (Eng. Abstr.) **(Ger)**

[Aneurysms of the left renal vein. An incidental sonographic finding] Hirning T, et al. **ROFO** 1986 Dec;145(6):730–2 **(Ger)**

[A case of systemic lupus erythematosus with renal vein thrombosis as the initial manifestation] Miyachi H, et al. **Nippon Naika Gakkai Zasshi** 1986 Jul;75(7):964–8 **(Jpn)**

[A case of liver cirrhosis with gastric varices showing spontaneous splenorenal shunt] Soda M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):925–9 **(Jpn)**

[Recurrent phlebitis of deep and superficial veins as the only symptom of malignant neoplasm] Sapian B. **Wiad Lek** 1986 Jun 15;39(12):845–50 (Eng. Abstr.) **(Pol)**

[Intrarenal arteriovenous fistulas] Mora M, et al. **Arch Esp Urol** 1987 Jan–Feb;40(1):12–6 (Eng. Abstr.) **(Spa)**

[Disappearance of arterial hypertension after nephrectomy in renal infarct caused by thrombosis of the renal vein (letter)] Monforte F, et al. **Med Clin (Barc)** 1986 Sep 27; 87(9):391 **(Spa)**

[Progression of thrombosis of the vena cava to the renal veins as an infrequent cause of terminal renal insufficiency (letter)] Soler Amigó J, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):346 **(Spa)**

ABNORMALITIES

Bilateral congenital renal arteriovenous fistulas. Ullian ME, et al. **Clin Nephrol** 1987 Jun;27(6):293–7

Haematuria and abdominal aortic aneurysm. Mercurias-Taylor LA, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct;27(5):565–7

Transcatheter embolization for the rupture of congenital arteriovenous malformation of the kidney in pregnancy. Saito S, et al. **J Urol** 1987 May;137(5):964–5

Spontaneous regression of an intrarenal arteriovenous malformation. Yoshiki T, et al. **J Urol** 1987 Apr; 137(4):725–6

Arteriovenous fistula associated with renal cell carcinoma: demonstration by magnetic resonance imaging. Selli C, et al. **Urol Radiol** 1986;8(4):190–3

The posterior "nutcracker": hematuria secondary to retroaortic left renal vein. Lau JL, et al. **Urology** 1986 Nov; 28(5):437–9

Postpartum renal vein thrombosis with left retroaortic renal vein. Washecka R, et al. **Urology** 1987 May;29(5):548–51

[Vascular anomalies of the kidney. Apropos of 3 cases] Taib E, et al. **J Urol (Paris)** 1987;93(2):93–4 (Eng. Abstr.) **(Fre)**

[Embolization of renal arteriovenous malformations] Tanimoto A, et al. **Rinsho Hoshasen** 1986 Jun;31(6):711–8 (Eng. Abstr.) **(Jpn)**

[Anomalies of the renal veins and renotesticular reflux] Figarov IG, et al. **Sov Med** 1986;(11):105–7 **(Rus)**

[Disorders of urodynamics in intrarenal vascular abnormalities] Gazymova DM. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):63–9 (127 ref.) **(Rus)**

ANATOMY & HISTOLOGY

[The sinus-parenchyma border of the human kidney as the place of origin of intracanicular and extravascular diffusion of fluids. II: References] Anderhuber F. **Gegenbaurs Morphol Jahrb** 1986;132(6):875–97 **(Ger)**

[Renal venous hilar anatomy. Apropos of 110 nephrectomies for transplantation] Gelabert i Mas A, et al. **Actas Urol Esp** 1987 Mar-Apr;11(2):172-5 (Eng. Abstr.) **(Spa)**

INJURIES

MR of superior mesenteric artery—renal vein fistula. Conces DJ Jr, et al. **Comput Radiol** 1986 Nov-Dec;10(6):279-82

Renal vascular injuries. Huddleston S, et al. **J Tenn Med Assoc** 1986 Dec;79(12):764-5

[Laceration of the vessels of the kidney hilus. A complication not previously described in halo extension treatment] Hopf C, et al. **Z Orthop** 1986 Sep-Oct;124(5):603-5 (Eng. Abstr.) **(Ger)**

INNERVATION

Effects of adrenoceptor agonists and antagonists on smooth muscle cells and neuromuscular transmission in the guinea-pig renal artery and vein. Makita Y. **Br J Pharmacol** 1983 Dec;80(4):671-9

PATHOLOGY

Prognosis of renal cell carcinoma with vena caval and renal vein involvement. An update. Emmott RC, et al. **Am J Surg** 1987 Jul;154(1):49-53

Aortic and inferior vena cava resection for renal cell carcinoma invading an aberrant renal vein. Smith BM, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):282-5

Intravascular signal in MR imaging: use of phase display for differentiation of blood-flow signal from intraluminal disease. White EM, et al. **Radiology** 1986 Oct;161(1):245-9

Immunopathogenesis of renal vasculitis. Brentjens JR, et al. **Semin Nephrol** 1985 Mar;5(1):3-14

Renal vascular phenomena in systemic sclerosis (scleroderma). Eknoyan G, et al. **Semin Nephrol** 1985 Mar; 5(1):34-45

Clinical and pathologic aspects of renal vasculitis. Serra A, et al. **Semin Nephrol** 1985 Mar;5(1):15-33

Arteriovenous fistula involving a transplant kidney. Pigott JP, et al. **Transplantation** 1987 Jul;44(1):156-7

[Real-time echography in the evaluation of the venous extension of cancer of the kidney. Prospective study of 50 cases] Cornud F, et al. **Ann Urol (Paris)** 1986;20(6):373-5 (Eng. Abstr.) **(Fre)**

[Cancer of kidney with venous invasiveness: prognosis. Apropos of 238 renal excisions with 64 cases of venous invasiveness] Gilloz A, et al. **J Urol (Paris)** 1986; 92(8):539-43 (Eng. Abstr.) **(Fre)**

[NMR tomographic studies in experimental renal vein ligation] Uhlenbrock D, et al. **ROFO** 1987 Jul;147(1):68-75 (Eng. Abstr.) **(Ger)**

[An experimental study of the operated kidney by resin injection casting in rabbits. Part 2. Post-operative renal function observing from venous cast] Oki M. **Nippon Hinyokika Gakkai Zasshi** 1986 Nov;77(11):1754-66 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Kidney function in domestic fowl with chronic occlusion of the ureter and caudal renal vein. Wideman RF Jr, et al. **Poult Sci** 1986 Nov;65(11):2148-55

RADIOGRAPHY

Renal angiomyolipoma with arteriovenous shunting. Barzilai IM, et al. **J Urol** 1987 Mar;137(3):483-4

Retrograde opacification of the renal vein: a CT sign of renal artery avulsion. Cates JD, et al. **Urol Radiol** 1986;8(2):92-4

Thrombosed right renal vein varix simulating a renal pelvic mass. Curry NS, et al. **Urol Radiol** 1987;9(1):36-8

Idiopathic renal arteriovenous fistula. Spontaneous closure. Iko BO, et al. **Urology** 1987 Jan;29(1):86-9

[Radiologic diagnosis of leiomyosarcomas of the renal vein: the role of angiography. A review of the literature apropos of 2 new cases] Martin B, et al. **J Radiol** 1986 Nov; 67(11):789-95 (Eng. Abstr.) **(Fre)**

[Simulation of vena cava thrombosis of the epigastrium following contrast medium bolus—stratification and jet phenomenon in the inferior vena cava following passage of a contrast medium bolus] Helzel MV. **Rontgenblatter** 1987 Feb;40(2):44-5 (Eng. Abstr.) **(Ger)**

[Renal arteriovenous fistula as a cause of hematuria] Sala Barange J, et al. **Arch Esp Urol** 1987 Apr;40(3):143-7 (Eng. Abstr.) **(Spa)**

SURGERY

[Vascular surgery of the kidney] Aso Y. **Nippon Hinyokika Gakkai Zasshi** 1986 Dec;77(12):1915-24 **(Jpn)**

RENIN

Solution synthesis of antigenic and inhibiting peptides of the human renin prosegment-2. [Tyr40] preprorenin-(40-50) peptide methyl ester. Fehrentz JA, et al. **Int J Pept Protein Res** 1986 Dec;28(6):628-36

Solution synthesis of antigenic and inhibiting peptides of the human renin prosegment-1. [Tyr47, Nle53] preprorenin-(47-60) peptide methyl ester. Fehrentz JA, et al. **Int J Pept Protein Res** 1986 Dec;28(6):620-7

Inaccessibility of tryptophan residues of recombinant human renin to quenching agents. Epps DE, et al. **J Biol Chem** 1987 Aug 5;262(22):10570-3

ANALYSIS

The ovarian renin-angiotensin system: renin-like activity and angiotensin II/III immunoreactivity in gonadotropin-stimulated and unstimulated human follicular fluid. Lightman A, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):808-16

Renin in angiolymphoid hyperplasia with eosinophilia. Its possible effect on vascular proliferation. Fernandez LA, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1131-5

High concentrations of immunoreactive renin, prorenin and enzymatically-active renin in human ovarian follicular fluid. Derkx FH, et al. **Br J Obstet Gynaecol** 1987 Jan; 94(1):4-9

Multiple forms of immunoreactive renin in human adrenocortical tumour tissue from patients with primary aldosteronism. Mizuno K, et al. **Clin Sci** 1987 Jun; 72(6):699-704

Analysis of inactive renin by renin profragment monoclonal antibodies. Gaillard I, et al. **FEBS Lett** 1986 Oct 20; 207(1):100-4

The fate of prorenin during granulopoiesis in epithelioid cells. Immunocytochemical experiments with antisera against renin and different portions of the renin prosegment. Taugner R, et al. **Histochemistry** 1987;86(3):249-53

Quantitative activation and determination of inactive renin by high performance liquid chromatography. Nielsen AH, et al. **J Hypertens** 1987 Feb;5(1):25-9

Effects of atrial natriuretic peptide on renal function and renin release in the isolated perfused rat kidney. Narumi S, et al. **Jpn Heart J** 1987 Mar;28(2):221-7

Intrarenal and intracellular distribution of renin and angiotensin. Hackenthal E, et al. **Kidney Int [Suppl]** 1987 May;20:S4-17 (56 ref.)

Renin status of the afferent arteriole and ultrastructure of the juxtaglomerular apparatus in 'superficial' juxtamedullary nephrons from rats. Casellas D, et al. **Renal Physiol** 1986;9(6):348-56

Ultrastructure, renin status, contractile and electrophysiological properties of the afferent glomerular arteriole in the rat hydronephrotic kidney. Nobiling R, et al. **Virchows Arch [A]** 1986;410(1):31-42

ANTAGONISTS & INHIBITORS

From the renin gene to renin inhibitors. Corvol P, et al. **Adv Nephrol** 1987;16:17-36 (55 ref.)

Suppression of plasma renin activity by cyclosporine. Bantle JP, et al. **Am J Med** 1987 Jul;83(1):59-64

Renal vasodilatation after inhibition of renin or converting enzyme in marmoset. Neisius D, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H897-902

Enhanced potency dipeptide glycol renin inhibitors: studies in vitro and in the conscious rhesus. Hanson GJ, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):959-63

Modified peptides which display potent and specific inhibition of human renin. Luly JR, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):44-51

Peptide analogues of angiotensinogen. Effect of peptide chain length on renin inhibition. Plattner JJ, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):982-90

Hypotensive effects of the renin inhibitor (RI-78) and the converting enzyme inhibitor (teprotide) in conscious monkeys. Takaori K, et al. **Clin Exp Hypertens [A]** 1987; 9(2-3):387-90

Comparison of chronic inhibition of renin and converting enzyme in the marmoset. Wood JM, et al. **Clin Exp Hypertens [A]** 1987;9(2-3):337-43

Human renin inhibiting dipeptide. Toda N, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):393-6

Highly potent and specific inhibitors of human renin. Sham HL, et al. **FEBS Lett** 1987 Aug 17;220(2):299-301

Renin inhibitors [editorial] Haber E. **Hypertension** 1986 Dec; 8(12):1093-5

An orally active inhibitor of renin. Pals DT, et al. **Hypertension** 1986 Dec;8(12):1105-12

Comparison of a new renin inhibitor and enalaprilat in renal hypertensive dogs. Smith SG 3d, et al. **Hypertension** 1987 Feb;9(2):150-6

Fluoro ketone containing peptides as inhibitors of human renin. Fearon K, et al. **J Med Chem** 1987 Sep;30(9):1617-22

Pepstatin analogues as novel renin inhibitors. Guégan R, et al. **J Med Chem** 1986 Jul;29(7):1152-9

Analysis of structure-activity relationships in renin substrate analogue inhibitory peptides. Hui KY, et al. **J Med Chem** 1987 Aug;30(8):1287-95

New inhibitors of human renin that contain novel Leu-Val replacements. Luly JR, et al. **J Med Chem** 1987 Sep; 30(9):1609-16

Novel renin inhibitors containing analogues of statine retro-inverted at the C-termini: specificity at the P2 histidine site. Rosenberg SH, et al. **J Med Chem** 1987 Jul; 30(7):1224-8

Renin inhibitors. Design of angiotensinogen transition-state analogues containing novel (2R,3R,4R,5S)-5-amino-3,4-dihydroxy-2-isopropyl-7-methyloctanoic acid. Thaisrivongs S, et al. **J Med Chem** 1987 Jun;30(6):976-82

Design and synthesis of a potent and specific renin inhibitor with a prolonged duration of action in vivo. Thaisrivongs S, et al. **J Med Chem** 1986 Oct;29(10):2088-93

Design and synthesis of potent and specific renin inhibitors containing difluorostatine, difluorostatone, and related analogues. Thaisrivongs S, et al. **J Med Chem** 1986 Oct; 29(10):2080-7

alpha-Methylproline-containing renin inhibitory peptides: in vivo evaluation in an anesthetized, ganglion-blocked, hog renin infused rat model. Thaisrivongs S, et al. **J Med Chem** 1987 Mar;30(3):536-41

High resolution X-ray analyses of renin inhibitor-aspartic proteinase complexes. Foundling SI, et al. **Nature** 1987 May 28-Jun 3;327(6120):349-52

[From the renin gene to renin inhibitors] Corvol P, et al. **Ann Endocrinol (Paris)** 1986;47(3):156-66 (57 ref.) (Eng. Abstr.) **(Fre)**

[Hypotensive effect of a human anti-renin monoclonal antibody (4G1D8) in the sodium-depleted alert marmoset] Cazaubon C, et al. **Arch Mal Coeur** 1986 Jun;79(6):840-6 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Synthesis and characterization of human prorenin in Escherichia coli. Imai T, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):425-32

BLOOD

Plasma aldosterone-plasma renin activity ratio. A simple test to identify patients with primary aldosteronism. Lins PE, et al. **Acta Endocrinol (Copenh)** 1986 Dec;113(4):564-9

Significant relationship between renin suppression and atrial natriuretic peptide (alpha-hANP) during volume loading in hypertensive men. Andersson OK, et al. **Acta Med Scand** 1987;221(2):137-42

Hormonal responses to treatment of high blood pressure with low-salt diet alone and combined with added potassium. Os I, et al. **Acta Med Scand [Suppl]** 1986;714:93-7

Renal and hormonal responses to atrial natriuretic peptide infusions in goats on high and low sodium intake. Olsson K, et al. **Acta Physiol Scand** 1987 Aug;130(4):585-91

The influence of cardiopulmonary receptors on long-term blood pressure control and plasma renin activity in conscious dogs. Persson P, et al. **Acta Physiol Scand** 1987 Aug;130(4):553-61

Dissociation between the hypotensive effect of thiazides and plasma divalent cations. Batlle DC, et al. **Adv Exp Med Biol** 1986;208:433-41

Reduced activation and affinity of renin during pregnancy and oral contraception: determination of kinetic parameters by a fully autologous plasma renin assay. Daniels CR, et al. **Adv Exp Med Biol** 1986;198 Pt B:463-9

Reduced plasma renin activity in elderly subjects in response to vasovagal hypotension and head-up tilt. Kenny RA, et al. **Age Ageing** 1987 May;16(3):171-7

Cyclosporin A-induced nephrotoxicity in the rat: relationship to increased plasma renin activity. McAuley FT, et al. **Agents Actions** 1987 Jun;21(1-2):209-16

Relation between left atrial diameter and plasma atrial natriuretic peptide, renin and vasopressin. Crozier IG, et al. **Am J Cardiol** 1986 Nov 15;58(11):1134-6

Central and renal hemodynamic effects and hormonal response to diltiazem in severe congestive heart failure. Kulick DL, et al. **Am J Cardiol** 1987 May 1;59(12):1138-43

Role of cardiopulmonary mechanoreceptors in the postural regulation of renin. Sanchez RA, et al. **Am J Cardiol** 1987 Apr 1;59(8):881-6

Systemic systolic hypertension in the elderly: correlation of hemodynamics, plasma volume, renin, aldosterone, urinary metanephrines and response to thiazide therapy. Vardan S, et al. **Am J Cardiol** 1986 Nov 1;58(10):1030-4

Suppression of plasma renin activity in a boy with chronic hyperkalemia. Sauder SE, et al. **Am J Dis Child** 1987 Aug; 141(8):922-7

Hyporeninemic hypoaldosteronism associated with acquired immune deficiency syndrome. Kalin MF, et al. **Am J Med** 1987 May;82(5):1035-8

Neurohumoral activation during exercise in congestive heart failure. Kirlin PC, et al. **Am J Med** 1986 Oct;81(4):623-9

Systemic lupus erythematosus presenting with hyporeninemic hypoaldosteronism in a 10-year-old girl. Kozeny GA, et al. **Am J Nephrol** 1986;6(4):321-4

Increased fetoplacental active renin production in pregnancy-induced hypertension. Brar HS, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):363-7

Uteroplacental unit as a source of elevated circulating prorenin levels in normal pregnancy. Brar HS, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1223-6

Elevation of plasma renin activity by alpha-adrenoceptor agonists in conscious dogs. Blair ML, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E695-702

Neuropeptide Y inhibits renin release by a pertussis toxin-sensitive mechanism. Hackenthal E, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):F543-50

Cardiac and arterial baroreceptor influences in release of vasopressin and renin during hemorrhage. Quail AW, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1120-6

Atrial natriuretic peptide blocks renin response to renal hypotension. Scheuer DA, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):R423-7

Cortisol-induced inhibition of ovine renin and aldosterone responses to hypotension. Wood CE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E287-90

Furosemide and plasma renin activity in essential hypertension. Hutcheon DE, et al. **Angiology** 1976 Oct; 27(10):579–86

Renin and hypertension. Kaplan NM. **Angiology** 1976 Jun; 27(6):408–10

Plasma renin activity and vascular disease in essential hypertension. Mroczek WJ, et al. **Angiology** 1976 Feb; 27(2):91–5

Calcium–regulating hormones in essential hypertension. Relation to plasma renin activity and sodium metabolism. Resnick LM, et al. **Ann Intern Med** 1986 Nov;105(5):649–54

Five year prospective study of plasma renin activity and blood pressure in patients with longstanding reflux nephropathy. Savage JM, et al. **Arch Dis Child** 1987 Jul; 62(7):678–82

The role of the renin–angiotensin system in normotensive and hypertensive rats with varying renin status. Atkinson J, et al. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):301–15

Hyporeninemic hypoaldosteronism in a patient with cirrhosis and ascites. Escarce JJ. **Arch Intern Med** 1986 Dec; 146(12):2407–8

Influence of renin levels on the treatment of essential hypertension with thiazide diuretics. Wyndham RN, et al. **Arch Intern Med** 1987 Jun;147(6):1021–5

Acute effects of ibopamine hydrochloride on hemodynamics, plasma catecholamine levels, renin activity, aldosterone, metabolism and blood gas in patients with severe congestive heart failure. Nakano T, et al. **Arzneimittelforschung** 1986 Dec;36(12):1829–34

Renin–aldosterone response and systemic blood pressure in long–term anephric patients on hemodialysis. Avram MM. **ASAIO Trans** 1986 Jul–Sep;32(1):379–83

Renin, aldosterone, and vasopressin responses to hypoxia during 6 hours of mild exercise. Meehan RT. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):960–5

Effects of angiotensin I converting enzyme inhibition and calcium channel blockade on plasma levels of active and inactive renin in conscious rabbits. Eisen V, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2331–5

Binding of renin and angiotensinogen to macromolecules in plasma studied by sedimentation equilibrium centrifugation. Poulsen K, et al. **Biochim Biophys Acta** 1987 Feb 20; 923(2):310–4

The effects of mianserin therapy on plasma renin activity in depressed patients. Altamura AC, et al. **Biol Psychiatry** 1986 Nov;21(13):1331–4

Untreated heart failure: clinical and neuroendocrine effects of introducing diuretics. Bayliss J, et al. **Br Heart J** 1987 Jan;57(1):17–22

Changes in pressor hormone concentrations in association with coronary artery surgery. Renin and vasopressin responses. Hawkins S, et al. **Br J Anaesth** 1986 Nov; 58(11):1267–72

Effects of indomethacin and (+/–)–propranolol on the cardiovascular and renin responses to vasoactive intestinal polypeptide (VIP) infusion in man. Unwin RJ, et al. **Br J Clin Pharmacol** 1987 May;23(5):523–8

Relationship between blood pressure level, renal histopathological lesions and plasma renin activity in fawn–hooded rats. Kuijpers MH, et al. **Br J Exp Pathol** 1987 Apr;68(2):179–87

Plasma renin activity and cAMP in termination of pregnancy induced by sulprostone. Saarikoski S, et al. **Br J Obstet Gynaecol** 1987 Apr;94(4):328–32

Effects of lesions of hypothalamic catecholamines on blood pressure, fluid balance, vasopressin and renin in the rat. Davis BJ, et al. **Brain Res** 1987 Mar 3;405(1):1–15

Effect of cyclooxygenase and thromboxane synthetase inhibition on furosemide–stimulated plasma renin activity. Datar S, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):80–3

Influence of right atrial stretch on plasma renin activity in the conscious rat. Kaufman S. **Can J Physiol Pharmacol** 1987 Feb;65(2):257–9

Important time, though not causal, relations in atrial natriuretic peptide, cortisol and renin. Halberg F, et al. **Chronobiologia** 1986 Oct–Dec;13(4):361–4

Time course of changes of plasma renin activity and catecholamines during hemorrhage in conscious sheep. Starc TJ, et al. **Circ Shock** 1987;21(2):129–40

The renal, forearm, and hormonal responses to standing in the presence and absence of propranolol. Bakris GL, et al. **Circulation** 1986 Nov;74(5):1061–5

Effect of the partial beta–agonist prenalterol on plasma renin activity in patients with left ventricular failure. Wathen CG, et al. **Clin Chim Acta** 1987 Jan 15;162(1):97–100

Effect of a calcium entry blocker on blood pressure, plasma renin activity, aldosterone and catecholamines in normotensive subjects. Saito I, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):565–70

The influence of acute stress on active and inactive renin in the rat. Barrett JD, et al. **Clin Exp Hypertens [A]** 1986; 8(7):1171–8

The significance of autonomic neuropathy in the elevation of inactive renin in diabetes mellitus. Chimori K, et al. **Clin Exp Hypertens [A]** 1987;9(1):1–18

Effect of chronic infusion of atrial natriuretic factor on plasma and urinary aldosterone, plasma renin activity, blood pressure and sodium excretion in 2–K, 1–C hypertensive rats. Garcia R, et al. **Clin Exp Hypertens [A]** 1986;8(7):1127–47

The utility of renin profiling in childhood hypertension. Gruskin AB, et al. **Clin Exp Hypertens [A]** 1986; 8(4–5):741–5

Effects of heparin and defibrinotide on malignant hypertension in rats. Kamitsuji H, et al. **Clin Exp Hypertens [A]** 1986;8(6):1009–32

Vasopressin in end–stage renal disease: relationship to salt, catecholamines and renin activity. Papadoliopoulou–Diamandopoulou N, et al. **Clin Exp Hypertens [A]** 1987;9(7):1197–208

Effect of acute administration of prazosin on blood pressure, heart rate and plasma renin level in the conscious normotensive rat. Atkinson J, et al. **Clin Exp Pharmacol Physiol** 1986 Jul;13(7):535–41

Activation by puff adder venom of inactive renin in normal and hypertensive rat plasma. Morris BJ, et al. **Clin Exp Pharmacol Physiol** 1987 Jan;14(1):23–31

Multiple oral doses of nicardipine, a calcium–entry blocker: effects on renal function, plasma renin activity, and aldosterone concentration in mild–to–moderate essential hypertension. Baba T, et al. **Clin Pharmacol Ther** 1987 Aug; 42(2):232–9

Increase of plasma renin activity at renal blood flow estimations with the xenon133 wash–out technique in patients with renal artery stenosis. Hägg A, et al. **Clin Physiol** 1987 Feb;7(1):55–61

Lack of effect of atrial natriuretic peptide on vasopressin release. Ogawa K, et al. **Clin Sci** 1987 May;72(5):525–30

Plasma atrial natriuretic peptide: its relationship to changes in sodium intake, plasma renin activity and aldosterone in man. Sagnella GA, et al. **Clin Sci** 1987 Jan;72(1):25–30

Plasma renin assay calculation using Lotus 1–2–3. McClung DE, et al. **Comput Biol Med** 1986;16(5):371–6

Renal excretion of prostaglandin E2 and plasma renin activity in type I diabetes mellitus: relationship to normoglycemia achieved with artificial pancreas. Esmatjes E, et al. **Diabetes Care** 1987 Jul–Aug;10(4):428–31

Endocrine mechanisms in congestive cardiac failure. Renin, aldosterone and atrial natriuretic hormone. Laragh JH. **Drugs** 1986;32 Suppl 5:1–12 (45 ref.)

Effect of insulin–induced hypoglycemia on plasma renin activity and aldosterone and cortisol concentration in humans. Słowińska–Srzednicka J, et al. **Endokrynol Pol** 1986;37(6):249–54

Postprandial changes in supine and erect heart rate, systemic blood pressure and plasma noradrenaline and renin activity in normal subjects. de Mey C, et al. **Eur J Clin Pharmacol** 1987;32(5):471–6

The effect of atrial natriuretic peptide on plasma renin activity, plasma aldosterone, and urinary dopamine in man. Struthers AD, et al. **Eur J Clin Pharmacol** 1986;31(2):223–6

Similar increase in circulating renin after equihypotensive doses of nitroprusside, dihydralazine or isradipine in conscious rabbits. Hof RP, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):251–4

Calcium metabolism in essential hypertension: relationship to altered renin system activity. Resnick LM, et al. **Fed Proc** 1986 Nov;45(12):2739–45

Direct correlation between plasma renin activity and severity of the ovarian hyperstimulation syndrome. Navot D, et al. **Fertil Steril** 1987 Jul;48(1):57–61

Plasma renin activity, active and inactive renin concentrations, and their responses to beta 1–adrenoceptor blockade with metoprolol in hyperthyroidism. Baba T, et al. **Horm Metab Res** 1986 Sep;18(9):630–4

Acute changes in plasma renin activity, plasma aldosterone concentration and plasma electrolyte concentrations following furosemide administration in patients with congestive heart failure—interrelationships and diuretic response. Mulder H, et al. **Horm Metab Res** 1987 Feb; 19(2):80–3

Blood pressure, plasma renin activity and aldosterone concentrations in vegans and omnivore controls. Sanders TA, et al. **Hum Nutr Appl Nutr** 1987 Jun;41(3):204–11

Effects of atrial natriuretic factor on hormone–induced renin release. Deray G, et al. **Hypertension** 1987 May;9(5):513–7

Regulated systemic activation of rat plasma prorenin. Hare GM, et al. **Hypertension** 1987 Jul;10(1):122–6

Cyclosporin A–induced hyperreninemic hypoaldosteronism. A model of adrenal resistance to angiotensin II. Stern N, et al. **Hypertension** 1987 Jun;9(6 Pt 2):II131–5

Partial characterization of a renin–releasing factor from plasma and hypothalamus. Van de Kar LD, et al. **Hypertension** 1987 Jun;9(6):598–606

Effect of oral contraceptive steroids on plasma renin activity (PRA) in rhesus monkeys. Milanian I, et al. **Indian J Med Res** 1986 Dec;84:640–4

The pattern of plasma renin activity and aldosterone system in patients with sustained hydronephrosis. Ezzat M. **Int Urol Nephrol** 1987;19(1):55–63

High and low sodium acetate haemodialysis and ultrafiltration. II. Comparison of plasma renin activity (PRA), catecholamine levels (CA) and plasma aldosterone concentration (PAC). Solski J, et al. **Int Urol Nephrol** 1986; 18(3):341–7

Control of plasma renin activity in heat–stressed baboons on varied salt intake. Proppe DW. **J Appl Physiol** 1987 Apr; 62(4):1531–7

Plasma renin system during exercise in normal men. Staessen J, et al. **J Appl Physiol** 1987 Jul;63(1):188–94

Effects of K–351 on adrenergically induced renin release and renal vasoconstriction in anesthetized dogs. Hisa H, et al. **J Cardiovasc Pharmacol** 1987 Jan;9(1):1–5

Source of plasma prorenin in early and late pregnancy: observations in a patient with primary ovarian failure. Derkx FH, et al. **J Clin Endocrinol Metab** 1987 Aug; 65(2):349–54

The dissociation of renin and aldosterone during critical illness. Findling JW, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):592–5

Elevated levels of plasma prorenin (inactive renin) in diabetic and nondiabetic patients with autonomic dysfunction. Misbin RI, et al. **J Clin Endocrinol Metab** 1987 May; 64(5):964–8

Sequential changes in plasma luteinizing hormone and plasma prorenin during the menstrual cycle. Sealey JE, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):1–5

Twenty–four hour changes in active and inactive renin after various oral doses of the converting enzyme inhibitor ramipril (HOE498) in normal man. Malatino LS, et al. **J Clin Hypertens** 1986 Sep;2(3):231–7

Increased plasma renin and aldosterone in patients treated with cisplatin–based chemotherapy for metastatic germ–cell tumors. Bosl GJ, et al. **J Clin Oncol** 1986 Nov; 4(11):1684–9

Effect on maternal and fetal renal function and plasma renin activity of a high salt intake by the ewe. Stevens AD, et al. **J Dev Physiol** 1986 Aug;8(4):267–75

The renin–angiotensinogen reaction during pregnancy and oral contraception: estimation of kinetic parameters by an autologous plasma renin assay. Daniels CR, et al. **J Endocrinol** 1987 Mar;112(3):465–72

Plasma renin activity and aldosterone levels during captopril administration [letter] Nicholls MG, et al. **J Hypertens** 1986 Oct;4(5):637

Circulatory adaptation to pregnancy—serial studies of haemodynamics, blood volume, renin and aldosterone in the baboon (Papio hamadryas). Phippard AF, et al. **J Hypertens** 1986 Dec;4(6):773–9

Circadian rhythm of plasma renin activity in older normal and essential hypertensive men: relation with inactive renin, aldosterone, cortisol and REM sleep. Stern N, et al. **J Hypertens** 1986 Oct;4(5):543–50

Active and inactive renin in anephric man: a comparison of molecular weight studies with normal human plasma and the effect of a specific monoclonal anti–renin antibody. Taylor GM, et al. **J Hypertens** 1986 Dec;4(6):703–12

Can total prorenin in human plasma be determined by current activation methods? Wilczynski EA, et al. **J Hypertens** 1986 Dec;4(6):727–33

Renin relationship to sex, race and age in a normotensive population. James GD, et al. **J Hypertens [Suppl]** 1986 Dec; 4(5):S387–9

Natriuresis and the renin axis in sodium–sensitive man. Luft FC, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S198–201

Atrial natriuretic factor: a possible link between left atrium, plasma volume, adrenergic control and renin–aldosterone in the mitral valve prolapse syndrome. Pasternac A, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S76–9

Plasma prorenin during early pregnancy: ovarian secretion under gonadotropin control? Sealey JE, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S92–5

Correlation between plasma renin activity and birth weight in hypertensive pregnancy. Taufield PA, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S96–8

Ontogeny of plasma renin activity in the Dahl rat model of essential hypertension. Wilson TA, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S23–6

Effectiveness of Sepharose–bound trypsin versus liquid–phase trypsin plus benzamidine for activation of inactive renin in human plasma. Morganti A, et al. **J Lab Clin Med** 1987 Jan;109(1):13–8

A syndrome of post–transfusion hypertension, convulsion and cerebral hemorrhage in beta–thalassemia Hb E disease: a case report with high plasma renin activity. Chuansumrit A, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:1–5

Inactive renin: a tumor marker in nephroblastoma. Carachi R, et al. **J Pediatr Surg** 1987 Mar;22(3):278–80

Liddle's syndrome, an uncommon form of hyporeninemic hypoaldosteronism: functional and histopathological studies. Nakada T, et al. **J Urol** 1987 Apr;137(4):636–40

Sympathetic nerve activity, plasma renin activity and water–sodium balance in obese patients with essential hypertension. Yamaji I, et al. **Jpn Circ J** 1986 Nov; 50(11):1155–7

High renin hypertension in the elderly. Takayama Y, et al. **Jpn Heart J** 1987 Mar;28(2):193–202

Effects of chlorpropamide on loop of Henle function and plasma renin. Welch WJ, et al. **Kidney Int** 1986 Nov; 30(5):712–6

Transrenal changes in active and inactive renin and angiotensin II in renal artery stenosis: effects of converting enzyme inhibition. Tillman DM, et al. **Kidney Int [Suppl]** 1987 May;20:S184–90

Night–day differences in the ultradian rhythmicity of plasma renin activity. Brandenberger G, et al. **Life Sci** 1987 Jun 15;40(24):2325–30

Neuropeptide Y normalizes renin secretion in adrenalectomized rats without changing blood pressure. Pfister A, et al. **Life Sci** 1986 Dec 8;39(23):2161–7

Renin release in anesthetized rats is enhanced by the calmodulin antagonist W–7. Shinyama H, et al. **Life Sci** 1987 Apr 27;40(17):1687–94

Suppression of plasma aldosterone during stimulation of cardiopulmonary mechanoreceptors in man. Sánchez RA, et al. **Medicina (B Aires)** 1986;46(4):413–7

Renin and blood volume in chronic renal failure: a comparison with essential hypertension. Boer P, et al. **Nephron** 1987;45(1):7–15

Correlation between blood prostaglandins and blood pressure in chronic renal failure. Kishimoto T, et al. **Nephron** 1987; 47(1):49–55

Circulating opioids and plasma renin activity in insulin-dependent diabetics with renal haemodynamic alterations. Solerte SB, et al. **Nephron** 1987;46(2):194–8

Effects of commercial and partially purified bovine serum albumin on dog renin activity. Nigawara K, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1277–83

The renin–angiotensin–aldosterone system in patients with chronic primary glomerular diseases. Tanaka T, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1261–6

Testing the "redirection hypothesis" of prostaglandin metabolism in the kidney. Datar S, et al. **Prostaglandins** 1987 Feb;33(2):275–85

Effect of indomethacin and propranolol on the blood pressure and renin response to atriopeptin III in conscious rats. Flöckiger JP, et al. **Regul Pept** 1987 May;17(5):277–84

Plasma renin activity and aldosterone concentration in sodium-depleted cattle following ACTH or metoclopramide injection. Riad F, et al. **Reprod Nutr Dev** 1987;27(1A):21–8

Hyperkalaemia secondary to hypo-aldosteronism. A report of 2 cases differentiating hyperreninaemic from hyporeninaemic hypo-aldosteronism. Diamond TH, et al. **S Afr Med J** 1987 Jan 10;71(1):40–2

Dissociation of renin and noradrenaline release in the renal circulation. Studies on patients with renal hypertension. Herlitz H, et al. **Scand J Urol Nephrol** 1986;20(3):213–6

System dynamics modeling of renin aldosterone and electrolyte changes induced by furosemide in hypertensive patients. Hsieh BS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):17–26

Endocrine response to exercise in cardiac transplant patients. Schüler S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2506–9

[Renin classification based on epidemiologic and biochemical factors in essential hypertension] Huang TG. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):354–7 **(Chi)**

[Classifying renin activity and angiotensin II levels in essential hypertension (clustering analysis)] Huang TG. **Chung Hua I Hsueh Tsa Chih** 1986 May;66(5):286–91, 320 (Eng. Abstr.) **(Chi)**

[Hemodynamics associated with the changes in catecholamine, plasma renin activity and antidiuretic hormone in chronic congestive heart failure] Ke YN, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):16–9, 62 (Eng. Abstr.) **(Chi)**

[Essential hypertension with low and high renin levels. Comparison of the results of long-term therapy] Widimský J Jr, et al. **Cas Lek Cesk** 1987 May 8;126(19):582–5 (Eng. Abstr.) **(Cze)**

[Normalization of renin secretion by neuropeptide Y in adrenalectomized rats with glucocorticoid-induced hypertension] Waeber B, et al. **Arch Mal Coeur** 1986 Jun; 79(6):879–81 (Eng. Abstr.) **(Fre)**

[Increased endogenous dopamine activity in diabetes mellitus. Inhibition of plasma renin activity, aldosterone and prolactin secretion] Jungmann E, et al. **Fortschr Med** 1986 Dec 4;104(45):869–70 **(Ger)**

[Plasma renin activity and aldosterone behavior in critically ill patients] Jungmann E, et al. **Klin Wochenschr** 1987 Jan 15;65(2):87–91 (Eng. Abstr.) **(Ger)**

[Syndrome of hyperreninemic hypoaldosteronism in critically ill patients] Jungmann E, et al. **Med Klin** 1986 Nov 21; 81(24):804–7 **(Ger)**

[Change in the renin–angiotensin–aldosterone system in aging. 1] Korkulko OV, et al. **ZFA** 1987 Jan–Feb;42(1):51–9 (Eng. Abstr.) **(Ger)**

[Changes in the renin–angiotensin–aldosterone system in the development of hypertension in aging. 2] Korkuško OV, et al. **ZFA** 1987 Mar–Apr;42(2):83–8 (Eng. Abstr.) **(Ger)**

[Urinary excretion of 6-ketoprostaglandin F1 alpha (6-keto-PGF1 alpha) and its relation to plasma renin activity in hyperthyroidism] Földes J, et al. **Orv Hetil** 1987 Aug 2;128(31):1615–6, 1619 (Eng. Abstr.) **(Hun)**

[Hormonal, beta-endorphin and renin activity changes in man during partial immersion, as a therapeutic method, in water at 38 degrees C.] Digiesi V, et al. **Minerva Med** 1987 Feb 15;78(3):135–9 (Eng. Abstr.) **(Ita)**

[Captopril test in renovascular hypertension: effects of ACE inhibition on the reno-renal renin index] Cerasola G, et al. **Recenti Prog Med** 1987 Apr;78(4):160–5 (Eng. Abstr.) **(Ita)**

[Acute effects of ibopamine hydrochloride on hemodynamics, plasma catecholamine levels, renin activity, aldosterone, metabolism and blood gas in patients with severe congestive heart failure] Nakano T, et al. **Kokyu To Junkan** 1987 May;35(5):553–9 (Eng. Abstr.) **(Jpn)**

[Balanced anesthesia with etomidate, cyclazocine, butorphanol, buprenorphine and N2O and the regulatory function of the renin, angiotensin and catecholamine] Ogawa T, et al. **Masui** 1987 Mar;36(3):304–12 (Eng. Abstr.) **(Jpn)**

[Effects of diltiazem on plasma arginine vasopressin, aldosterone levels and plasma renin activity in man] Mori H, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1515–21 (Eng. Abstr.) **(Jpn)**

[Sodium restriction in hypertension. Sympathetic tonus, renin and vasopressin] Os I, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10;107(10–11):954–7 (Eng. Abstr.) **(Nor)**

[Clinical significance of the 'renin profile' in patients with essential hypertension] Kuska J, et al. **Kardiol Pol** 1987; 30(1):15–24 (Eng. Abstr.) **(Pol)**

[Plasma renin activity during different periods of the natural genetic history in genetically hypertensive rats] Wocial B, et al. **Kardiol Pol** 1986;29(2):137–43 (Eng. Abstr.) **(Pol)**

[Enalapril in the treatment of primary hypertension: its effect on blood pressure and plasma renin activity] Sznajderman M, et al. **Pol Tyg Lek** 1986 Dec 22–29;41(51–52):1607–11 (Eng. Abstr.) **(Pol)**

[Radioimmunologic determination of aldosterone and renin in the blood in the diagnosis of different forms of arterial hypertension] Khamidov RI, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):7–9 (Eng. Abstr.) **(Rus)**

[Radionuclide study of the function of the kidneys and their hormonal regulation in cancer of the uterus] Musina RKh, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):62–5 (Eng. Abstr.) **(Rus)**

[Status of hemodynamics and plasma renin activity in children with vesico-ureteral reflux] Vykhodtseva GI, et al. **Pediatriia** 1987;(5):27–9 (Eng. Abstr.) **(Rus)**

[Plasma renin activity and aldosterone concentration of patients with congestive cardiomyopathy] Popovich MI, et al. **Ter Arkh** 1986;58(11):65–7 (Eng. Abstr.) **(Rus)**

[Level of prostaglandins, cyclic nucleotides, renin and aldosterone in the plasma of patients with essential hypertension] Valenkevich LN, et al. **Vrach Delo** 1987 Jan; (1):61–3 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Hyperkalemic left bundle branch block and hyporeninemic hypoaldosteronism (hyperkalemic left bundle branch block). Leor R, et al. **J Electrocardiol** 1986 Jan;19(1):93–5

GENETICS

Renin heterogeneity in stroke-prone hypertensive and normotensive rats. Sessler FM, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E367–72

Ovarian renin gene expression is regulated by follicle-stimulating hormone. Kim S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):989–95

A bacteriophage transcription terminator permits the cloning of a mammalian expression vector carrying the human preprorenin gene in E. coli. Weighous TF, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):593–9

New possibilities for intracellular renin and inactive renin now that the structure of the human renin gene has been elucidated. Morris BJ. **Clin Sci** 1986 Oct;71(4):345–55 (108 ref.)

Chromosome localization of the human renin gene (REN) by in situ hybridization. McGill JR, et al. **Cytogenet Cell Genet** 1987;45(1):55–7

Regulated expression of the Ren-2 gene in transgenic mice derived from parental strains carrying only the Ren-1 gene. Tronik D, et al. **EMBO J** 1987 Apr;6(4):983–7

A comparative study of the distributions of renin and angiotensinogen messenger ribonucleic acids in rat and mouse tissues. Dzau VJ, et al. **Endocrinology** 1987 Jun; 120(6):2334–8

Human renin gene of renin-secreting tumor. Fukamizu A, et al. **Gene** 1986;49(1):139–45

Secretion of enzymatically active human renin from mammalian cells using an avian retroviral vector. Weighous TF, et al. **Gene** 1986;45(2):121–9

Regulation of tissue renin and angiotensin gene expressions. Dzau VJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S11–6

IMMUNOLOGY

Production and characterization of human renin antibodies with region-oriented synthetic peptides. Bouhnik J, et al. **J Biol Chem** 1987 Feb 25;262(6):2913–8

Active immunization against renin in normotensive marmoset. Michel JB, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4346–50

Immunological comparison of renin substrate with erythropoietin. Rosenlöf K. **Scand J Clin Lab Invest** 1986 Oct;46(6):497–504

ISOLATION & PURIFICATION

Complete purification of human renal renin and sequence of the amino terminus. Shinagawa T, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):446–54

Characterization of pure human renal renin. Evidence for a subunit structure. Do YS, et al. **J Biol Chem** 1987 Jan 25;262(3):1037–43

METABOLISM

Renal kallikrein and renin concentrations in spontaneously hypertensive rats (SHR) during acute reduction of perfusion pressure. Andersen KJ, et al. **Adv Exp Med Biol** 1986;198 Pt B:285–8

The effect of calcium on renin, aldosterone and prostaglandin release. Nadler JL, et al. **Adv Exp Med Biol** 1986; 208:405–16 (28 ref.)

Why do the kidneys release renin in patients with congestive heart failure? A nephrocentric view of converting-enzyme inhibition. Packer M. **Am J Cardiol** 1987 Jul 1;60(1):179–84

Calcium metabolism, renin activity, and the antihypertensive effects of calcium channel blockade. Resnick L. **Am J Med** 1986 Dec 15;81(6A):6–14

Immunohistochemical localization of renin in renal tumors. Tomita T, et al. **Am J Pathol** 1987 Jan;126(1):73–80

Prostaglandin independence of kinin-stimulated renin release. Beierwaltes WH. **Am J Physiol** 1987 May;252(5 Pt 2):F794–9

Identification and regulation of renin in human cultured mesangial cells. Chansel D, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 2):F32–8

Fate of circulating renin in conscious rats. Kim S, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):E136–46

Renin activity determination using human plasma as a substrate. Cornette JC, et al. **Anal Biochem** 1987 May 15; 163(1):93–9

Identification of renin and renin messenger RNA sequence in rat ovary and uterus. Kim S, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):169–75

Kinetic comparisons of amniotic fluid inactive renin and renal renin using synthetic and human renin substrates. Franks RC, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):333–9

Comparative enzymatic studies of human renin acting on pure natural or synthetic substrates. Cumin F, et al. **Biochim Biophys Acta** 1987 May 27;913(1):10–9

Folding and activation of recombinant human prorenin. Sharma SK, et al. **Biotechnol Appl Biochem** 1987 Apr; 9(2):181–93

Stimulation and suppression of renin release from incubations of rat renal cortex by factors affecting calcium flux. May CN, et al. **Br J Pharmacol** 1986 Sep;89(1):173–82

L-platelet activating factor induces changes on renal vascular resistance, vascular reactivity, and renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Circ Res** 1987 Apr;60(4):534–9

Evidence for the existence of renin in the heart. Dzau VJ, et al. **Circulation** 1987 Jan;75(1 Pt 2):I134–6

Multiple sites of regulation of mouse renin expression in ontogeny. Ingelfinger JR, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):687–94

Development and application of a superfusion technique for the study of renin secretion in rat renal cortical cells. Drury PL, et al. **Clin Sci** 1986 Nov;71(5):581–7

Oestrogen-induced changes in renal haemodynamics in the rat: influence of plasma and intrarenal renin. Evans JK, et al. **Clin Sci** 1986 Nov;71(5):613–9

Characterization of purified rabbit uterine renin: influence of pregnancy on uterine inactive renin. Dzau VJ, et al. **Endocrinology** 1987 Jan;120(1):358–64

Inhibition of renin release by alpha-adrenoceptor stimulation in the isolated perfused rat kidney. Smyth DD, et al. **Eur J Pharmacol** 1987 Aug 4;140(1):33–8

Mechanisms by which nephrectomy stimulates adrenal renin. Baba K, et al. **Hypertension** 1986 Nov;8(11):997–1002

Suppression of adrenal renin in Dahl salt-sensitive rats. Baba K, et al. **Hypertension** 1986 Dec;8(12):1149–53

Tissue-specific regulation of renin expression in the mouse. Dzau VJ, et al. **Hypertension** 1987 Jun;9(6 Pt 2):III36–41

A case of adrenal tumor producing renin, aldosterone, and sex steroid hormones. Iimura O, et al. **Hypertension** 1986 Oct;8(10):951–6

Modulation of kidney renin messenger RNA levels during experimentally induced hypertension. Moffett RB, et al. **Hypertension** 1986 Oct;8(10):874–82

Two-step prorenin-renin conversion. Isolation of an intermediary form of activated prorenin. Derkx FH, et al. **J Biol Chem** 1987 Feb 25;262(6):2472–7

Human renin is correctly processed and targeted to the regulated secretory pathway in mouse pituitary AtT-20 cells. Fritz LC, et al. **J Biol Chem** 1987 Sep 15; 262(26):12409–12

Cultured glomerular mesangial cells contain renin: influence of calcium and isoproterenol. Dzau VJ, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S6–10

Whole-body autoradiographic distribution of exogenously administered renal renin in rats. Kim S, et al. **J Histochem Cytochem** 1987 May;35(5):549–57

Acid-activatable inactive renin in cat plasma and kidney. Glorioso N, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S6–9

The role of the macula densa in renin release: studies by microperfusion. Harris PJ, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S424–7

Effects of labetalol on renin release from rat kidney cortical slices. Morimoto S, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):928–33

Inhibitory effects of calcium channel agonists on renin release from rat kidney cortical slices. Matsumura Y, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):1000–5

Secretion control for active and inactive renin: effect of ouabain on release from rabbit kidney cortex slices. Ginesi LM, et al. **J Physiol (Lond)** 1986 Oct;379:17–26

A periarterial pathway for intrarenal distribution of renin. Kriz W. **Kidney Int [Suppl]** 1987 May;20:S51–6

Morphological aspects of renin synthesis, processing, storage, and secretion. Lindop GB. **Kidney Int [Suppl]** 1987 May; 20:S18–24 (48 ref.)

Natriuretic hormones in low renin hypertension. Haddy FJ, et al. **Klin Wochenschr** 1987;65 Suppl 8:154–60 (32 ref.)

Intracellular control of renin release—an overview. Kurtz A. **Klin Wochenschr** 1986 Sep 15;64(18):838–46

Typical and atypical aspects of renin secretion from

juxtaglomerular epithelioid cells. Taugner R, et al. **Klin Wochenschr** 1986 Sep 15;64(18):829–37

Lysosomal characteristics of human renin-containing granules [letter] Fransen JA. **Lab Invest** 1987 Jan;56(1):124

Biochemical evidence for existence of immunoreactive renin in human prolactinoma tissue. Mizuno K, et al. **Life Sci** 1986 Nov 10;39(19):1779–86

A renin-like enzyme in luteal tissue. Cabrera RR, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):269–73

Effect of hydrocortisone on the activity of the angiotensin-converting and renin-like enzymes and kininase I in rat brain and hypophysis. Kononenko VYa, et al. **Neurosci Behav Physiol** 1987 Jan–Feb;17(1):40–2

Analysis by immunocytochemistry and in situ hybridization of renin and its mRNA in kidney, testis, adrenal, and pituitary of the rat. Deschepper CF, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7552–6

Effects of dietary calcium on sodium volume vs. renin-dependent forms of experimental hypertension. Resnick LM, et al. **Trans Assoc Am Physicians** 1986; 99:172–9

[Decreased activity of the renal vasodilation and natriuretic system in normotensive men with a familial history of essential hypertension and decreased Na+, K+-cotransport in erythrocytes] Bultasová H, et al. **Cas Lek Cesk** 1986 Oct 17;125(41–42):1270–3 (Eng. Abstr.) **(Cze)**

[Role of the macula densa and beta-adrenergic system in the control of the circadian rhythm of renin and aldosterone] Cugini P, et al. **Recenti Prog Med** 1986 Dec; 77(12):570–2 (Eng. Abstr.) **(Ita)**

[Renal tubular enzymes] **Nippon Jinzo Gakkai Shi** 1986 Jul; 28(7):970–82 **(Jpn)**

[Effect of hydrocortisone on the activity of angiotensin-converting and renin-like enzymes and kininase I in the brain and hypophysis of rats] Kononenko VIa, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug; 32(4):72–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Peripherally delivered renin supports reflex adrenal catecholamine secretion in anephric dogs. Koivunen DG, et al. **Curr Surg** 1987 Jan–Feb;44(1):27–31

Exaggerated presor response to centrally administered renin in freely moving, spontaneously hypertensive rats. Kawasaki H, et al. **Eur J Pharmacol** 1987 Jun 26; 138(3):351–7

PHYSIOLOGY

The cat: an animal model for studies of inactive renin. Glorioso N, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):E509–18

Temperature sensitivity of renin–angiotensin system in the ground squirrel. Harker CT, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 2):F471–5

The renin–angiotensin system in the rat anterior pituitary: colocalization of renin and angiotensin II in gonadotrophs. McKenzie JC, et al. **Anat Rec** 1985 Jun;212(2):158–66

What is the role of extrarenal renin? Goldblatt PJ. **Arch Pathol Lab Med** 1986 Dec;110(12):1128–30

Human neutrophils release serine proteases capable of activating prorenin. Dzau VJ, et al. **Circ Res** 1987 Apr; 60(4):595–601

The heart and the regulation of renin. Egan B, et al. **Circulation** 1987 Jan;75(1 Pt 2):I130–3

The future of hypertension and renin research. Menard J, et al. **Clin Invest Med** 1986 Nov;9(4):309–18

Renin dependency of the effect of chronically administered atrial natriuretic factor in two-kidney, one clip rats. Garcia R, et al. **Hypertension** 1987 Jan;9(1):88–95

Circulating and tissue angiotensin systems. Campbell DJ. **J Clin Invest** 1987 Jan;79(1):1–6 (110 ref.)

The role of the renin–angiotensin system in blood pressure regulation in normotensive animals and man. Corvol P, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S25–30

Intracellular action of renin, angiotensin production and release. Inagami T, et al. **J Hypertens [Suppl]** 1986 Oct; 4(4):S11–6 (43 ref.)

Blood pressure, renal and endocrine responses to alpha-human atrial natriuretic polypeptide in healthy volunteers. Ishii M, et al. **Jpn Heart J** 1986 Nov; 27(6):777–89

Experimental models of heart failure: implications for renin and the kidney. Riegger GA. **Kidney Int [Suppl]** 1987 May; 20:S210–2 (30 ref.)

SECRETION

Kallikrein and kinins independently stimulate renin release from isolated rat glomeruli. Beierwaltes WH, et al. **Adv Exp Med Biol** 1986;198 Pt A:265–72

Role of kininase II (ACE; E.C.3.4.15.1) in the regulation of renin secretion. Eisen V, et al. **Adv Exp Med Biol** 1986; 198 Pt A:495–501

Prorenin as a reproductive hormone. New form of the renin system. Sealey JE, et al. **Am J Med** 1986 Dec;81(6):1041–6 (42 ref.)

Renin secretory effects of N6-cyclohexyladenosine: effects of dietary sodium. Churchill PC, et al. **Am J Physiol** 1987 May;252(5 Pt 2):F872–6

Effect of autonomic agents on renin release in the turtle, Pseudemys scripta. Cipolle MD, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1103–8

Adenosine inhibits beta-adrenoceptor but not DBcAMP-induced renin release. Deray G, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F46–52

Role of brain serotonergic pathways and hypothalamus in regulation of renin secretion. Gotoh E, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R179–85

Involvement of calmodulin in mediating inhibitory action of intracellular Ca2+ on renin secretion. Park CS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F1055–62

De novo intrarenal formation of angiotensin II during control and enhanced renin secretion. Rosivall L, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1118–23

BAY K 8644, a calcium channel agonist, inhibits renin secretion in vitro. Churchill PC, et al. **Arch Int Pharmacodyn Ther** 1987 Jan;285(1):87–97

Effects of extracellular osmolality on renin release and on the ultrastructure of the juxtaglomerular epithelioid cell granules. Skøtt O, et al. **Cell Tissue Res** 1987 Aug; 249(2):325–9

Evidence for a direct renal stimulating effect of prostaglandin E2 on renin release in patients with congestive heart failure. Olivari MT, et al. **Circulation** 1986 Dec;74(6):1203–7

Effects of arotinolol, an alpha- and beta-adrenoceptor antagonist, on renin release from rat kidney cortical slices. Morimoto S, et al. **Chin Exp Pharmacol Physiol** 1986 Jun; 13(6):505–10

Calcium and the control of renin secretion. Fray JC, et al. **Endocr Rev** 1987 Feb;8(1):53–93 (417 ref.)

Malignant hypertension due to a renin-secreting renal cell carcinoma—an ultrastructural and immunocytochemical study. Lindop GB, et al. **Histopathology** 1986 Oct; 10(10):1077–88

The inhibitory role of 12- and 15-lipoxygenase products on renin release. Antonipillai I, et al. **Hypertension** 1987 Jul; 10(1):61–6

Inhibition of renin release by analogues of adenosine in rabbit renal cortical slices. Barchowsky A, et al. **Hypertension** 1987 Jun;9(6):619–23

Vasopressin excess: relative contribution of volume retention versus direct actions on renin secretion and sodium excretion. Cowley AW Jr, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 7:S66–9

Regulation of prorenin secretion in cultured human transfected juxtaglomerular cells. Pinet F, et al. **J Clin Invest** 1987 Sep;80(3):724–31

Responsiveness of renin secretion: a key mechanism in the maintenance of blood pressure. Brunner HR, et al. **J Hypertens [Suppl]** 1986 Oct;4(4):S89–94 (32 ref.)

Effect of a synthetic prostacyclin analogue on renin release in man. Lee FO, et al. **J Hypertens [Suppl]** 1986 Dec; 4(5):S10–3

Role of cyclic AMP in renin secretion by human transfected juxtaglomerular cells. Pinet F, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S421–3

Renal autoregulation and prostaglandin E2 release. Hemodynamic conditions for PGE2 and renin release. Vikse A. **J Oslo City Hosp** 1986 Apr;36(4):33–46 (67 ref.)

Forskolin and calcium: interactions in the control of renin secretion and perfusate flow in the isolated rat kidney. Fray JC, et al. **J Physiol (Lond)** 1986 Jun;375:361–75

Is renin secreted by exocytotic mechanism through mature renin granules from juxtaglomerular cells? Kawamura M, et al. **Jpn Circ J** 1986 Nov;50(11):1165–9

Captopril-stimulated renin in the diagnosis of restenosis after percutaneous transluminal renal angioplasty. Rossi GP, et al. **Jpn Heart J** 1986 May;27(3):299–305

The mechanism of the control of renin release by beta-adrenergic receptors. Suzuki S, et al. **Jpn Heart J** 1986 Nov;27(6):871–80

Elevation of intrarenal adenosine by maleic acid decreases GFR and renin release. Arend LJ, et al. **Kidney Int** 1986 Nov;30(5):656–61

Changes in single nephron renin release are mediated by tubular fluid flow rate. Leyssac PP. **Kidney Int** 1986 Sep; 30(3):332–9

Control of renal renin release. Stella A, et al. **Kidney Int [Suppl]** 1987 May;20:S89–94 (31 ref.)

Direct inhibitory effect of atriopeptin III on renin release in primate kidney. Henrich WL, et al. **Life Sci** 1987 Jul 20;41(3):259–64

Pertussis toxin reverses adenosine receptor-mediated inhibition of renin secretion in rat renal cortical slices. Rossi NF, et al. **Life Sci** 1987 Feb 2;40(5):481–7

Renin secretion in patients with various nephropathies and coexistent arterial hypertension. Kuska J, et al. **Mater Med Pol** 1986 Sep–Dec;18(4):218–24

Relationship between renin mRNA and renin secretion in adrenalectomized, salt-depleted, or converting enzyme inhibitor-treated rats. Ludwig G, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):223–9

Differential effects of serotonin (5-HT1A and 5-HT2) agonists and antagonists on renin and corticosterone secretion. Lorens SA, et al. **Neuroendocrinology** 1987 Apr; 45(4):305–10

Effects of amines, monensin and nigericin on the renin release from isolated superfused rat glomeruli. Skøtt O. **Pflugers Arch** 1987 Jun;409(1–2):93–9

Role of intracellular calcium in renal nerve-mediated renin release. Cadnapaphornchai P, et al. **Proc Soc Exp Biol Med** 1987 May;185(1):24–30

Effects of a calcium channel agonist on renin release from perfused rat kidneys. Dietz JR. **Renal Physiol** 1986; 9(5):279–86

Direct demonstration of macula densa–mediated renin secretion. Skøtt O, et al. **Science** 1987 Sep 25; 237(4822):1618–20

[Renin secretion. Mechanism and effectors] Hackenthal E. **Ann Endocrinol (Paris)** 1986;47(3):145–55 (53 ref.) (Eng. Abstr.) **(Fre)**

[The human renin-secreting cell. A morphological study] Lindop GB, et al. **Ann Endocrinol (Paris)** 1986;47(3):133–44 (53 ref.) (Eng. Abstr.) **(Fre)**

[Renin-secreting juxtaglomerular cell tumor] Martínez Amenós A, et al. **Med Clin (Barc)** 1987 Jan 31;88(4):157–9 (Eng. Abstr.) **(Spa)**

[Renin secreting tumor and urinary excretion of kallikrein (letter)] López JM, et al. **Medicina (B Aires)** 1985; 45(5):594–5 **(Spa)**

URINE

Altered renin and aldosterone excretion in patients treated for metastatic germ cell tumours. Bosl GJ, et al. **Int J Androl** 1987 Feb;10(1):353–7

RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM see **RENIN-ANGIOTENSIN SYSTEM**

RENIN-ANGIOTENSIN SYSTEM

Early childhood hyperkalemia: variety of pseudohypoaldosteronism. Claris Appiani A, et al. **Acta Paediatr Scand** 1986 Nov;75(6):970–4

Effect on the plasma renin–aldosterone system of lesions to suprachiasmatic nuclei and central serotonin depletion in rats. Ikonomov OC, et al. **Acta Physiol Hung** 1986; 68(2):211–9

Renin–angiotensin system and renal excretory function under conditions of hypovolemia and limited sodium intake. Piryova B, et al. **Acta Physiol Pharmacol Bulg** 1986; 12(2):21–6

Humoral factors involved in the regulation of sodium–fluid balance in man. III. Renal prostaglandins and renin–angiotensin–aldosterone system in hypertensive disorders. Somova L, et al. **Acta Physiol Pharmacol Bulg** 1986;12(4):47–52

Reduced activation and affinity of renin during pregnancy and oral contraception: determination of kinetic parameters by a fully autologous plasma renin assay. Daniels CR, et al. **Adv Exp Med Biol** 1986;198 Pt B:463–9

Role of kininase II (ACE; E.C.3.4.15.1) in the regulation of renin secretion. Eisen V, et al. **Adv Exp Med Biol** 1986; 198 Pt A:495–501

Interrelation between the renin–angiotensin system and kallikrein–kinin system in patients with essential hypertension. Ishida H, et al. **Adv Exp Med Biol** 1986;198 Pt B:329–36

Ramipril: review of pharmacology. Becker RA, et al. **Am J Cardiol** 1987 Apr 24;59(10):3D–11D

Implications of local angiotensin production in cardiovascular physiology and pharmacology. Dzau VJ. **Am J Cardiol** 1987 Jan 23;59(2):59A–65A (55 ref.)

The myocardial intracellular renin–angiotensin system. Re R. **Am J Cardiol** 1987 Jan 23;59(2):56A–58A

Contribution of the renin–angiotensin–aldosterone system to development of tolerance and fluid retention in chronic congestive heart failure during prazosin treatment. Riegger GA, et al. **Am J Cardiol** 1987 Apr 1;59(8):906–10

Renal effects of angiotensin-converting enzyme inhibition in cardiac failure. Dzau VJ. **Am J Kidney Dis** 1987 Jul; 10(1 Suppl 1):74–80

Adaptive and maladaptive actions of angiotensin II in patients with severe congestive heart failure. Packer M. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):66–73 (65 ref.)

Activation of the renin system in acute pancreatitis. Greenstein RJ, et al. **Am J Med** 1987 Mar;82(3):401–4

Influence of diabetes mellitus on changes in left ventricular performance and renal function produced by converting enzyme inhibition in patients with severe chronic heart failure. Packer M, et al. **Am J Med** 1987 Jun;82(6):1119–26

Renin–angiotensin system in acute hypercalcemic hypertension in man. Marone C, et al. **Am J Nephrol** 1986; 6 Suppl 1:40–5 (21 ref.)

Glomerular dynamics in the hypothyroid rat and the role of the renin–angiotensin system. Gillum DM, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):F170–9

Transpulmonary angiotensin II formation in patients with chronic stable cor pulmonale. Neilly JB, et al. **Am Rev Respir Dis** 1987 Apr;135(4):891–5

The renin–angiotensin system in the rat anterior pituitary: colocalization of renin and angiotensin II in gonadotrophs. McKenzie JC, et al. **Anat Rec** 1985 Jun;212(2):158–66

The role of the renin–angiotensin system in the initiation of renovascular hypertension. Barger AC. **Angiology** 1976 Jun;27(6):341–6 (16 ref.)

Evaluation of an aldosterone radioimmunoassay: the renin–angiotensin–aldosterone axis as a function of sex and age. Sequeira SJ, et al. **Ann Clin Biochem** 1986 Jan;23 (Pt 1):65–75

The renin–angiotensin system is not responsible for hypertension following coronary artery bypass grafting. Weinstein GS, et al. **Ann Thorac Surg** 1987 Jan;43(1):74–7

Functions of angiotensin in the central nervous system. Phillips MI. **Annu Rev Physiol** 1987;49:413–35 (127 ref.)

The role of the renin–angiotensin system in normotensive and hypertensive rats with varying renin status. Atkinson J, et al. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):301–15

The importance of the response of the renin–angiotensin system in determining blood pressure changes with sodium restriction. MacGregor GA. **Br J Clin Pharmacol** 1987;23 Suppl 1:21S–26S

Vasopressin release after enhanced serotonergic transmission is not due to activation of the peripheral renin–angiotensin system. Steardo L, et al. **Brain Res** 1986 Sep 10; 382(1):145–8

Vascular role of vasopressin in the presence and absence of influence from angiotensin II or alpha–adrenergic system. Tabrizchi R, et al. **Can J Physiol Pharmacol** 1986 Aug; 64(8):1143–8

Endothelial renin–angiotensin pathway: evidence for intracellular synthesis and secretion of angiotensins. Kifor I, et al. **Circ Res** 1987 Mar;60(3):422–8

Renin–angiotensin system responses of acute graded hemorrhage in dogs. Michailov ML, et al. **Circ Shock** 1987; 21(3):217–24

Preservation of glomerular filtration rate in human heart failure by activation of the renin–angiotensin system. Packer M, et al. **Circulation** 1986 Oct;74(4):766–74

Pathophysiology in malignant hypertension: with special reference to the renin–angiotensin system. Kawazoe N, et al. **Clin Cardiol** 1987 Sep;10(9):513–8

Factors contributing to the maintenance of arterial blood pressure in adult rats treated neonatally with guanethidine. Bennett T, et al. **Clin Exp Hypertens [A]** 1986;8(8):1373–94

Renin–angiotensin–aldosterone system: a long–term follow–up study in 17 alpha–hydroxylase deficiency syndrome (17OHDS). Scaroni C, et al. **Clin Exp Hypertens [A]** 1986;8(4–5):773–80

The contribution of the autonomic nervous system, the renin–angiotensin system and vasopressin to the maintenance of arterial blood pressure in adrenalectomized Wistar rats. Gardiner SM, et al. **Clin Sci** 1986 Oct; 71(4):357–65

The renin system in hypertension. A review. Brunner HR, et al. **Contrib Nephrol** 1987;56:1–6 (27 ref.)

Clinical and hormonal conditions associated with sodium retention in cirrhotic patients with ascites. Evaluation by univariate and multivariate analyses. Gentile S, et al. **Dig Dis Sci** 1987 Jun;32(6):569–76

The renin–angiotensin system in the central control of blood pressure. Rettig R, et al. **Eur Heart J** 1987 May;8 Suppl B:129–32 (33 ref.)

Relative effects of the supine posture and of immersion on the renin aldosterone system at rest and during exercise. Wolf JP, et al. **Eur J Appl Physiol** 1987;56(3):345–9

Direct correlation between plasma renin activity and severity of the ovarian hyperstimulation syndrome. Navot D, et al. **Fertil Steril** 1987 Jul;48(1):57–61

Water uptake by Rana temporaria: effects of diuretics and the renin–angiotensin system, and nephrectomy. Bolton JP, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):155–62

Blood pressure control in pithed rat. Carbonell LF, et al. **Gen Pharmacol** 1986;17(4):469–72

Fluid–electrolyte shift and renin–aldosterone responses to exercise under hypoxia. Bouissou P, et al. **Horm Metab Res** 1987 Jul;19(7):331–4

Effects of angiotensin inhibition and renal denervation in two–kidney, one clip hypertensive rats. Rademacher R, et al. **Hypertension** 1986 Dec;8(12):1127–34

Calcium, the renin–aldosterone system, and the hypotensive response to nifedipine. Resnick LM, et al. **Hypertension** 1987 Sep;10(3):254–8

Plasma renin system during exercise in normal men. Staessen J, et al. **J Appl Physiol** 1987 Jul;63(1):188–94

Heart failure and the renin–angiotensin system. Based on the symposium on ACE Inhibition in Heart Failure. Frankfurt, Federal Republic of Germany, April 26, 1986. **J Cardiovasc Pharmacol** 1987;9 Suppl 2:S1–77

Local control of jejunal absorption by the renin–angiotensin system. Levens NR. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S17–22

Tissue converting enzyme and cardiovascular actions of converting enzyme inhibitors. Unger T, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 10:S75–81

Responses of the hypothalamic–pituitary–adrenal and renin–angiotensin axes and the sympathetic system during controlled surgical and anesthetic stress. Udelsman R, et al. **J Clin Endocrinol Metab** 1987 May;64(5):986–94

Relation of renin–angiotensin system activity to left ventricular hypertrophy and function in experimental and human hypertension. Devereux RB, et al. **J Clin Hypertens** 1987 Mar;3(1):87–103 (108 ref.)

The renin–angiotensinogen reaction during pregnancy and oral contraception: estimation of kinetic parameters by an autologous plasma renin assay. Daniels CR, et al. **J Endocrinol** 1987 Mar;112(3):465–72

The gerontological decline of the renin–aldosterone system: a chronobiological approach extended to essential hypertension. Cugini P, et al. **J Gerontol** 1987 Sep; 42(5):461–5

The renin–angiotensin system and long–term regulation of arterial pressure. Hall JE, et al. **J Hypertens** 1986 Aug; 4(4):387–97 (82 ref.)

The role of the renin–angiotensin system in blood pressure regulation in normotensive animals and man. Corvol P, et al. **J Hypertens [Suppl]** 1984 Dec;2(2):S25–30

Renin–angiotension–aldosterone system, urinary prostaglandins and kallikrein in pregnancy–induced hypertension: evidence for a dysregulation of the renin–angiotensin–prostacyclin loop. Fievet P, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S88–91

The influence of the renin–angiotensin system on adrenergic vasoconstrictor responses in the forearm and splanchnic region in sodium deplete man. Hesse B, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S402–5

Renovascular hypertension: a paradigm for all hypertension. Laragh JH. **J Hypertens [Suppl]** 1986 Oct;4(4):S79–88 (51 ref.)

The pathophysiology of renovascular hypertension. Robertson JI, et al. **J Hypertens [Suppl]** 1986 Oct; 4(4):S95–103 (44 ref.)

Vasodepressor mechanisms in experimental hypertension: studies using chemical medullectomy. Swales JD, et al. **J Hypertens [Suppl]** 1986 Oct;4(4):S43–6

Renin angiotensin aldosterone axis, including aldosterone binding globulin and blood pressure in three species of nonhuman primates. Mavoungou D, et al. **J Med Primatol** 1987;16(4):211–27

Effect of left atrial to left femoral artery bypass and renin–angiotensin system blockade on renal blood flow and function during and after thoracic aortic occlusion. Joob AW, et al. **J Vasc Surg** 1987 Feb;5(2):329–35

Hypertension in patients on chronic hemodialysis: the role of the renin–angiotensin system. Igarashi Y, et al. **Jpn Circ J** 1987 May;51(5):479–84

Renin–angiotensin system and renal circulation in clinical congestive heart failure. Dzau VJ. **Kidney Int [Suppl]** 1987 May;20:S203–9 (57 ref.)

Thirst and the renin–angiotensin system. Mann JF, et al. **Kidney Int [Suppl]** 1987 Aug;21:S27–34 (74 ref.)

The renin–angiotensin system and nephron function heterogeneity. Mimran A, et al. **Kidney Int [Suppl]** 1987 May;20:S57–63 (57 ref.)

Atrial natriuretic peptide in hepatic cirrhosis: relation to stage of disease, sympathoadrenal system and renin–aldosterone axis. Burghardt W, et al. **Klin Wochenschr** 1986;64 Suppl 6:103–7

The renin–angiotensin systems. Re RN. **Med Clin North Am** 1987 Sep;71(5):877–95 (155 ref.)

Role of sympathoadrenal and renin–angiotensin system in hemodynamic state after coronary artery bypass grafting. Hayase S, et al. **Nagoya J Med Sci** 1987 Mar;49(1–4):1–15

Evidence for the involvement of cerebral renin–angiotensin system (RAS) in stress analgesia. Haulică I, et al. **Pain** 1986 Nov;27(2):237–45

Interaction between the adrenergic and renin–angiotensin–aldosterone–systems. van Zwieten PA, et al. **Postgrad Med J** 1986;62 Suppl 1:23–7 (21 ref.)

Active immunization against renin in normotensive marmoset. Michel JB, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4346–50

The renin–angiotensin–aldosterone system in normal 85–year–old people. Skøtt P, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):69–74

[Neurohumoral regulation of the renin–angiotensin system. III. Effects of electro–stimulation of the midbrain central grey and intraventricular injection of various receptor antagonists on plasma ANG II in cats] Chen MQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):175–9 (Eng. Abstr.) **(Chi)**

[The renin–angiotensin system. Application in pediatrics. 1] Cochat P. **Pediatrie** 1986 Jul–Aug;41(5):429–40 **(Fre)**

[The renin–angiotensin system. Applications in pediatrics. (II)] Cochat P. **Pediatrie** 1986 Sep;41(6):499–509 **(Fre)**

[Borderline arterial hypertension. Role of hormonal modulation] Cerasola G. **Recenti Prog Med** 1987 Apr; 78(4):133–9 (Eng. Abstr.) **(Ita)**

[The renin–angiotensin–aldosterone system in obesity associated with essential arterial hypertension] Cugini P, et al. **Recenti Prog Med** 1987 Apr;78(4):140–3 (Eng. Abstr.) **(Ita)**

[The renin–angiotensin, catecholamine system during controlled hypotension with sodium nitroprusside, trinitroglycerine and trimetaphan under balanced anesthesia] Ogawa T, et al. **Masui** 1986 Oct;35(10):1482–90 (Eng. Abstr.) **(Jpn)**

[Renin–angiotensin and catecholamine levels during extracorporeal circulation under balanced anesthesia in children] Ogawa T, et al. **Masui** 1986 Nov;35(11):1661–7 (Eng. Abstr.) **(Jpn)**

[Plasma cyclic AMP and GMP levels in essential hypertension: interrelationship among plasma cyclic nucleotides sympathetic activity and renin–angiotensin system] Shigetomi S, et al. **Nippon Jinzo Gakkai Shi** 1987 Jan;29(1):67–72 (Eng. Abstr.) **(Jpn)**

[Influence of endogenous renin–angiotensin system on plasma aldosterone responsiveness to metoclopramide] Iwasaki Y. **Nippon Naibunpi Gakkai Zasshi** 1987 Feb 20;63(2):123–32 (Eng. Abstr.) **(Jpn)**

[Atrial natriuretic peptide and renin–angiotensin–aldosterone levels in treated congestive heart failure] Kurosawa T, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1659–60 **(Jpn)**

[The renin–aldosterone system and kidney function in the puerperium in women suffering from glomerulo– and pyelonephritis] Filatov VI, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):39–42 **(Rus)**

[Urinary sodium excretion in women with hypertension and various indicators of hemodynamics and pressor hormone levels] Liusov VA, et al. **Kardiologiia** 1986 Oct;26(10):81–8 (Eng. Abstr.) **(Rus)**

[Biochemical mechanisms of the regulation of arterial pressure] Eliseeva IuE, et al. **Klin Med (Mosk)** 1987 May; 65(5):9–19 (86 ref.) **(Rus)**

[Effect of short–term space flights on the activity of the renin–angiotensin–aldosterone system and on the blood concentration of cyclic nucleotides and prostaglandins] Afonin BV, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct; 20(5):27–30 (Eng. Abstr.) **(Rus)**

[Alcohol and hypertension in sudden cardiac death, features of the status of the renin–angiotensin–aldosterone system] Volkov VN, et al. **Ter Arkh** 1987;59(1):53–6 (Eng. Abstr.) **(Rus)**

[Liver cirrhosis and the renin–angiotensin–aldosterone system] Lozano de León F, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):465–8 (Eng. Abstr.) **(Spa)**

[The discoverer of the renin–angiotensin system trained generations in creative thinking (Robert Tigerstedt)] Aurell M. **Lakartidningen** 1986 Dec 17;83(51):4364–5 **(Swe)**

DRUG EFFECTS

Acute hemodynamic, hormonal and electrolyte effects of ramipril in severe congestive heart failure. Crozier IG, et al. **Am J Cardiol** 1987 Apr 24;59(10):155D–163D

Acute hemodynamic and hormonal effects of ramipril in chronic congestive heart failure and comparison with captopril. de Graeff PA, et al. **Am J Cardiol** 1987 Apr 24;59(10):164D–170D

Pharmacokinetics and effects on the renin–angiotensin system of ramipril in elderly patients. Gilchrist WJ, et al. **Am J Cardiol** 1987 Apr 24;59(10):28D–32D

Efficacy, tolerance and hormonal effects of a new oral angiotensin converting enzyme inhibitor, ramipril (HOE 498), in mild to moderate primary hypertension. Karlberg BE, et al. **Am J Cardiol** 1987 Apr 24;59(10):104D–109D

Ramipril for hypertension secondary to renal artery stenosis. Changes in blood pressure, the renin–angiotensin system and total and divided renal function. Tillman DM, et al. **Am J Cardiol** 1987 Apr 24;59(10):133D–142D

Therapeutic implications of converting–enzyme inhibitors in renal disease. Anderson S, et al. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):81–7

Clinical experience with converting–enzyme inhibitors in hypertension. Weber MA. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):45–51 (23 ref.)

Effects of converting–enzyme inhibitors on the renin–angiotensin–aldosterone, bradykinin, and arachidonic acid–prostaglandin systems: correlation of chemical structure and biologic activity. Zusman RM. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):13–23 (65 ref.)

The renin–angiotensin–aldosterone complex. Melby JC. **Am J Med** 1986 Oct 31;81(4C):8–12

The ovarian renin–angiotensin system: renin–like activity and angiotensin II/III immunoreactivity in gonadotropin–stimulated and unstimulated human follicular fluid. Lightman A, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):808–16

Effects of enalapril and hydrochlorothiazide on blood pressure, renin–angiotensin system, and atrial natriuretic factor in essential hypertension: a double blind factorial cross–over study. Chalmers JP, et al. **Aust NZ J Med** 1986 Aug;16(4):475–80

Cardiovascular reflexes in conscious sodium–depleted rats. Salgado HC, et al. **Braz J Med Biol Res** 1986;19(2):319–25

Effects of atrial natriuretic factor on the vasoconstrictor actions of the renin–angiotensin system in conscious rats. Lappe RW, et al. **Circ Res** 1987 Jul;61(1):134–40

Cardio–renal–endocrine dynamics during stepwise infusion of physiologic and pharmacologic concentrations of atrial natriuretic factor in the dog. Zimmerman RS, et al. **Circ Res** 1987 Jul;61(1):63–9

Effects of captopril on plasma atrial natriuretic polypeptide and the renin angiotensin system in rats. Iwao H, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):697–701

Brain renin angiotensin system contributes to the salt–induced enhancement of hypertension in SHR. Takata Y, et al. **Clin Exp Hypertens [A]** 1986;8(7):1149–70

Role of renin–angiotensin and kallikrein–kinin systems on the mechanism of the hypotensive effects of converting enzyme inhibitor, alacepril. Tanaka S, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):605–9

Pharmacokinetics and acute effect on the renin–angiotensin system of delapril in patients with chronic renal failure. Shionoiri H, et al. **Clin Nephrol** 1987 Feb;27(2):65–70

Hemodynamic, renal, and hormonal responses to alpha–human atrial natriuretic peptide in patients with congestive heart failure. Saito H, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):142–7

Relationship between the renin–aldosterone system and atrial natriuretic polypeptide in rats. Hirata Y, et al. **Clin Sci** 1987 Feb;72(2):165–70

Effects of enalapril maleate on blood pressure, renin–angiotensin–aldosterone system, and peripheral sympathetic activity in essential hypertension. Cerasola G, et al. **Clin Ther** 1987;9(4):390–9

Renin–angiotensin system and glomerular prostaglandins in early nephrotoxicity of ciclosporin. Perico N, et al. **Contrib Nephrol** 1986;51:120–5

Somatostatin suppresses plasma aldosterone concentration in

a case of Bartter's syndrome. Shigeta H, et al. **Endocrinol Jpn** 1987 Apr;34(2):309–12

Changes in central and peripheral renin–angiotensin system after furosemide injection. Suzuki H, et al. **Endocrinol Jpn** 1986 Aug;33(4):497–503

Hormonal response to captopril pre–treatment during sodium nitroprusside–induced hypotension in man. Jacob L, et al. **Eur J Anaesthesiol** 1987 Mar;4(2):101–12

Effect on blood pressure and the renin–angiotensin system of repeated doses of the converting enzyme inhibitor CGS 14824A. Waeber G, et al. **Eur J Clin Pharmacol** 1987; 31(6):643–6

The role of the renin–angiotensin system in compound 48/80–induced thirst in rats. Izumi H, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):279–86

Possible involvement of an impaired baroreflex mechanism but not the renin–angiotensin system and vasopressin in the enhanced pressor responsiveness to physostigmine in spontaneously hypertensive rats. Kawashima K, et al. **Gen Pharmacol** 1987;18(3):327–30

Cardiovascular and renal profile of acute peripheral dopamine1–receptor agonism with fenoldopam. Glück Z, et al. **Hypertension** 1987 Jul;10(1):43–54

Renin inhibitors [editorial] Haber E. **Hypertension** 1986 Dec; 8(12):1093–5

Haemodynamic and endocrine effects of digitoxin in healthy volunteers. Lucena MI, et al. **Int J Clin Pharmacol Res** 1987;7(2):135–40

Effects of single and repeated doses of the calcium antagonist felodipine on blood pressure, renal function, electrolytes and water balance, and renin–angiotensin–aldosterone system in hypertensive patients. Leonetti G, et al. **J Cardiovasc Pharmacol** 1986 Nov–Dec;8(6):1243–8

Selective pharmacological effects of triprolyl and pentasarcosyl angiotensin II. Mikami H, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):242–5

Hypotensive and natriuretic effects of nifedipine in essential hypertension. Role of renal kallikrein–kinin–prostaglandin and renin–angiotensin–aldosterone systems. Tsunoda K, et al. **J Clin Hypertens** 1986 Sep;2(3):263–70

Effect of short–term cyclosporine administration in rats on renin–angiotensin and thromboxane A2: possible relevance to the reduction in glomerular filtration rate. Perico N, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):229–35

Hypotensive effect of SA446, an angiotensin converting enzyme inhibitor, in 2–kidney, 1–clip renal hypertensive and normotensive dogs. Nishimura K, et al. **Jpn J Pharmacol** 1987 Apr;43(4):379–87

Naloxone reversal of hemorrhagic hypotension in the conscious guinea–pig is impeded by inhibition of the renin–angiotensin II system. Innanen VT, et al. **Neuroscience** 1987 Jul;22(1):313–5

Pharmacologic probes to identify patients with renovascular hypertension. Sosa RE, et al. **Semin Urol** 1985 Nov; 3(4):317–24

[Effect of atriopeptin on the plasma renin–angiotensin system in rats] Ding JF. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):233–4, 254 (Eng. Abstr.) **(Chi)**

[Peripheral hemodynamic and biological effects of perindopril in the healthy subject. Dose–effect relationship] Richer C, et al. **Arch Mal Coeur** 1986 Jun;79(6):913–8 (Eng. Abstr.) **(Fre)**

[The renin, angiotensin,and catecholamine system and brain–protective drugs during extracorporeal bypass] Ogawa T, et al. **Masui** 1986 Dec;35(12):1784–91 (Eng. Abstr.) **(Jpn)**

[Effect of treatment with pindolol on the renin–angiotensin–aldosterone system, kidney function and electrolyte balance in patients with primary arterial hypertension] Wyrzykowski B, et al. **Pol Tyg Lek** 1986 Dec 1;41(48):1516–20 (Eng. Abstr.) **(Pol)**

[Evaluation of the effect of long–term treatment with hydrochlorothiazide on the activity of the renin–angiotensin–aldosterone system, sodium metabolism and renal function in patients with primary arterial hypertension] Wyrzykowski B. **Wiad Lek** 1987 Mar 1; 40(5):299–304 (Eng. Abstr.) **(Pol)**

[Pharmacological and immunological approaches to inhibiting the renin–angiotensin system] Eliseev OM. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1987;10(1):105–9 (39 ref.) **(Rus)**

RENIN–SUBSTRATE see **ANGIOTENSINOGEN**

RENNIN

ANALYSIS

Separation of chymosin and pepsin in calf rennet by dye–ligand affinity chromatography. Subramanian S. **Prep Biochem** 1987;17(3):297–312

BIOSYNTHESIS

Subcloning of prochymosin cDNA for Plac controlled expression. Sedláček J, et al. **Folia Biol (Praha)** 1987; 33(3):145–53

GENETICS

Genetic polymorphism of bovine chymosin [published erratum appears in J Dairy Res 1987 May;54(2):321] Donnelly WJ, et al. **J Dairy Res** 1986 Nov;53(4):657–64

ISOLATION & PURIFICATION

Separation of chymosin and pepsin in calf rennet by dye–ligand affinity chromatography. Subramanian S. **Prep Biochem** 1987;17(3):297–312

METABOLISM

The pH dependence of the hydrolysis of chromogenic substrates of the type, Lys–Pro–Xaa–Yaa–Phe–(NO2)Phe–Arg–Leu, by selected aspartic proteinases: evidence for specific interactions in subsites S3 and S2. Dunn BM, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):122–30

A mutated bovine prochymosin zymogen can be activated without proteolytic processing at low pH. McCaman MT, et al. **J Biol Chem** 1986 Nov 25;261(33):15345–8

PHARMACODYNAMICS

Characterization of bovine kappa–casein fractions and the kinetics of chymosin–induced macropeptide release from carbohydrate–free and carbohydrate–containing fractions determined by high–performance gel–permeation chromatography. Vreeman HJ, et al. **Biochem J** 1986 Nov 15;240(1):87–97

RENOGRAPHY see **RADIOISOTOPE RENOGRAPHY**

REOPERATION see under **SURGERY, OPERATIVE**

REOVIRIDAE

ANALYSIS

Characterisation of orbiviruses of the Kemerovo serogroup: comparison of protein and RNA profiles. Black F, et al. **Acta Virol (Praha)** 1986 Jul;30(4):320–4

Application of polyacrylamide gel electrophoresis of genome fragments to control of reovirus products. Wood GW, et al. **Dev Biol Stand** 1986;64:213–8

Correlation of serotype specificity and protein structure of the five U.S. serotypes of bluetongue virus. Mecham JO, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2617–24

Evidence that the sigma 1 protein of reovirus serotype 3 is a multimer. Bassel–Duby R, et al. **J Virol** 1987 Jun; 61(6):1834–41

Association of reovirus proteins with the structural matrix of infected cells. Mora M, et al. **Virology** 1987 Aug; 159(2):265–77

Purification and characterization of the reovirus cell attachment protein sigma 1. Yeung MC, et al. **Virology** 1987 Feb;156(2):377–85

DRUG EFFECTS

Ammonium inhibits processing and cytotoxicity of reovirus, a nonenveloped virus. Maratos–Flier E, et al. **J Clin Invest** 1986 Oct;78(4):1003–7

GENETICS

Biosynthesis of reovirus–specified polypeptides. Molecular cDNA cloning and nucleotide sequence of the reovirus serotype 1 Lang strain bicistronic s1 mRNA which encodes the minor capsid polypeptide sigma 1a and the nonstructural polypeptide sigma 1bNS. Munemitsu SM, et al. **Biochem Biophys Res Commun** 1986 Oct 30; 140(2):508–14

Genetic relatedness of Colorado tick fever virus isolates by RNA–RNA blot hybridization. Bodkin DK, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1199–204

Genetic relatedness of corriparta serogroup viruses. Gonzalez HA, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):661–72

Nucleotide sequence of a cDNA clone of RNA segment 10 of bluetongue virus (serotype 10). Lee JW, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2833–7

Expression of reovirus type 3 (Dearing) sigma 1 and sigma s polypeptides in Escherichia coli. Pelletier J, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):135–45

Genetic reassortants for identification of the genome segment coding for the bluetongue virus hemagglutinin. Cowley JA, et al. **J Virol** 1987 Jul;61(7):2304–6

The viral protein sigma 3 participates in translation of late viral mRNA in reovirus–infected L cells. Lemieux R, et al. **J Virol** 1987 Aug;61(8):2472–9

Analysis of mixed infection of sheep with bluetongue virus serotypes 10 and 17: evidence for genetic reassortment in the vertebrate host. Samal SK, et al. **J Virol** 1987 Apr; 61(4):1086–91

Genome segment reassortment between two serotypes of bluetongue virus in a natural host. Stott JL, et al. **J Virol** 1987 Sep;61(9):2670–4

Molecular weight determination of the two segments of double–stranded RNA of infectious bursal disease virus, a member of the birnavirus group. Müller H, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):113–21

Identification and characterization of conserved and variable regions in the neutralization VP2 gene of bluetongue virus. Ghiasi H, et al. **Virology** 1987 Sep;160(1):100–9

A comparison of different cloned bluetongue virus genome segments as probes for the detection of virus–specified RNA. Huismans H, et al. **Virology** 1987 Jun;158(2):373–80

Uncoating of parental bluetongue virus to core and subcore particles in infected L cells. Huismans H, et al. **Virology** 1987 Mar;157(1):180–8

Production and characterization of the neutralization antigen VP2 of bluetongue virus serotype 10 using a baculovirus expression vector. Inumaru S, et al. **Virology** 1987 Apr; 157(2):472–9

The genetic relatedness of United States prototype bluetongue viruses by RNA/RNA hybridization. Kowalik TF, et al. **Virology** 1987 Jun;158(2):276–84

Assignment of the genome segment coding for the neutralizing epitope(s) of orbiviruses in the Great Island subgroup (Kemerovo serogroup). Moss SR, et al. **Virology** 1987 Mar;157(1):137–44

Analysis of functional domains on reovirus cell attachment protein sigma 1 using cloned S1 gene deletion mutants. Nagata L, et al. **Virology** 1987 Sep;160(1):162–8

Mapping of the large RNA genome segment of infectious pancreatic necrosis virus by hybrid arrested translation. Nagy E, et al. **Virology** 1987 May;158(1):211–7

Isolation and characterization of orbivirus genotypic variants. Eaton BT, et al. **Virus Res** 1987 Jan;6(4):363–82

The complete nucleotide sequence of bluetongue virus serotype 1 RNA3 and a comparison with other geographic serotypes from Australia, South Africa and the United States of America, and with other orbivirus isolates. Gould AR. **Virus Res** 1987 Apr;7(2):169–83

Expression of the cloned S4 gene of reovirus serotype 3 in transformed eucaryotic cells: enrichment of the viral protein in the crude initiation factor fraction. Lemay G, et al. **Virus Res** 1986 Nov;6(2):133–40

GROWTH & DEVELOPMENT

Susceptibility of chicken blood lymphoblasts and monocytes to infectious bursal disease virus (IBDV). Burkhardt E, et al. **Arch Virol** 1987;94(3–4):297–303

Mechanism of suppression by bovine serum on growth of infectious bursal disease virus. Yu DH, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1141–6

IMMUNOLOGY

Effect of attenuated viral vaccines on suckling mice infected with LCMV. Csatáry LK, et al. **Acta Microbiol Hung** 1986; 33(4):325–31

Identification of bluetongue virus protein–specific antibody responses in sheep by immunoblotting. Adkison MA, et al. **Am J Vet Res** 1987 Aug;48(8):1194–8

Detection of bluetongue virus (BTV) antigen. Abu Elzein EM, et al. **Arch Virol** 1987;94(1–2):175–6

Vaccination of day–old broiler chicks against Newcastle disease and infectious bursal disease using commercial live and/or inactivated vaccines. Giambrone JJ, et al. **Avian Dis** 1986 Jul–Sep;30(3):557–61

Embryo vaccination of specific–pathogen–free chickens with infectious bursal disease virus: tissue distribution of the vaccine virus and protection of hatched chickens against disease. Sharma JM. **Avian Dis** 1986 Oct–Dec;30(4):776–80

Effect of maternal antibody on timing of initial vaccination of young white leghorn chickens against infectious bursal disease virus. Solano W, et al. **Avian Dis** 1986 Oct–Dec; 30(4):648–52

Quantitation of natural antibodies to infectious bursal disease in Nigerian indigenous chickens. Sokale EO, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):53–7

Gut mucosal immunization with reovirus serotype 1/L stimulates virus–specific cytotoxic T cell precursors as well as IgA memory cells in Peyer's patches. London SD, et al. **J Exp Med** 1987 Mar 1;165(3):830–47

Monoclonal antibodies to infectious pancreatic necrosis virus: analysis of viral epitopes and comparison of different isolates. Caswell–Reno P, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2193–205

Expression of bluetongue virus group–specific antigen VP3 in insect cells by a baculovirus vector: its use for the detection of bluetongue virus antibodies. Inumaru S, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1627–35

Antigenic variants of Colorado tick fever virus. Karabatsos N, et al. **J Gen Virol** 1987 May;68 (Pt 5):1463–9

A single dilution enzyme–linked immunosorbent assay for the quantitative detection of antibodies to African horsesickness virus. Williams R. **Onderstepoort J Vet Res** 1987 Mar;54(1):67–70

Mechanism of T cell immunosuppression by infectious bursal disease virus of chickens. Sharma JM, et al. **Prog Clin Biol Res** 1987;238:283–94

Challenge study on infectious bursal disease in chicks derived from vaccinated hens. Abdu PA, et al. **Trop Anim Health Prod** 1987 Feb;19(1):47–52

Human effects of veterinary biological products [published erratum appears in Vet Hum Toxicol 1987 Feb;29(1):24] Crosby AD, et al. **Vet Hum Toxicol** 1986 Dec;28(6):552–3

Experimental induction of the carrier state in yearling brook trout: a model challenge protocol for IPNV immunization. Bootland LM, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1–4):365–72

The persistence of infectious pancreatic necrosis virus in Atlantic salmon. Knott RM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):359–64

Immunobiology of bluetongue virus. Schultz KT, et al. **Vet Immunol Immunopathol** 1987 May;15(1–2):115–27 (46 ref.)

Monoclonal antibodies to the Sp strain of infectious pancreatic necrosis virus. Wolski SC, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):373–81

Preliminary survey for antibodies to bluetongue virus in Indonesian ruminants. Sendow I, et al. **Vet Rec** 1986 Dec 13;119(24):603

Isolation of a capsid protein of bluetongue virus that induces a protective immune response in sheep. Huismans H, et al. **Virology** 1987 Mar;157(1):172–9

[Serologic study of blue tongue in the State of Tamaulipas] Saydelaar Hardwicke AC, et al. **Rev Latinoam Microbiol** 1987 Jan–Mar;29(1):5–13 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

A new subtype ("Brezová") of Tribeč orbivirus (Kemerovo group) isolated from Ixodes ricinus males in Czechoslovakia [letter] Hubálek Z, et al. **Acta Virol (Praha)** 1987 Jan;31(1):91–2

Isolation of a reovirus from the snake, Python regius. Brief report. Ahne W, et al. **Arch Virol** 1987;94(1–2):135–9

The isolation of a bluetongue serotype new to Australia. Gard GP, et al. **Aust Vet J** 1987 Mar;64(3):87–8

Characterization of a reo-like virus and its isolation from and pathogenicity for parrots. Graham DL. **Avian Dis** 1987 Apr–Jun;31(2):411–9

Elimination of human enteric viruses during conventional waste water treatment by activated sludge. Payment P, et al. **Can J Microbiol** 1986 Dec;32(12):922–5

A reovirus from the bedbug, Cimex lectularius. Eley SM, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):195–9

Morphological and biochemical properties of four members of a novel group of reoviruses isolated from aquatic animals. Winton JR, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):353–64

Detection of infectious pancreatic necrosis virus using an inhibition enzyme-linked immunosorbent assay. Ramsey DW, et al. **J Immunoassay** 1986;7(4):229–39

Reovirus type 1 is secreted into the bile. Rubin DH, et al. **J Virol** 1986 Nov;60(2):726–8

Association of bluetongue virus with the cytoskeleton. Eaton BT, et al. **Virology** 1987 Mar;157(1):107–16

Purification and properties of virus particles, infectious subviral particles, and cores of bluetongue virus serotypes 1 and 4. Mertens PP, et al. **Virology** 1987 Apr;157(2):375–86

[Demonstration of a reovirus in helicopter disease of broilers] Gerganov G, et al. **Vet Med Nauki** 1987;24(3):21–32 (Eng. Abstr.) **(Bul)**

[Detection and preliminary studies of the "small double capsid" virus] Xu AY. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):340–2, 382 (Eng. Abstr.) **(Chi)**

METABOLISM

Biosynthesis of reovirus-specified polypeptides. Molecular cDNA cloning and nucleotide sequence of the reovirus serotype 1 Lang strain s3 mRNA which encodes the nonstructural RNA-binding protein sigma NS. George CX, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):845–51

Inhibition of reovirus type 3 binding to host cells by sialylated glycoproteins is mediated through the viral attachment protein. Pacitti AF, et al. **J Virol** 1987 May;61(5):1407–15

Transport of infectious reovirus into bile: class II major histocompatibility antigen-bearing cells determine reovirus transport. Rubin DH, et al. **J Virol** 1987 Oct;61(10):3222–6

High affinity binding of reovirus type 3 to cells that lack beta adrenergic receptor activity. Sawutz DG, et al. **Life Sci** 1987 Jan 26;40(4):399–406

Biosynthesis of reovirus-specified polypeptides. Efficiency of expression of cDNAs of the reovirus S1 and S4 genes in transfected animal cells differs at the level of translation. Atwater JA, et al. **Virology** 1987 Aug;159(2):350–7

Multiple forms of the sigma 3 protein of reovirus: occurrence and binding properties. Lemay G, et al. **Virology** 1987 Jun; 158(2):435–8

Glycophorin is the reovirus receptor on human erythrocytes. Paul RW, et al. **Virology** 1987 Jul;159(1):94–101

PATHOGENICITY

Variation in the responses of Culicoides variipennis (Diptera, Ceratopogonidae) to oral infection with bluetongue virus. Jennings DM, et al. **Arch Virol** 1987;95(3–4):177–82

Pathogenic and structural properties of wild type infectious bursal disease virus (IBDV) and virus grown in vitro. Lange H, et al. **Arch Virol** 1987;92(3–4):187–96

Infectious bursal disease virus infection in the quail–chicken hybrid. Greenfield CL, et al. **Avian Dis** 1986 Jul–Sep; 30(3):536–42

A comparison of the pathogenicity of four avian reoviruses in chickens. Kibenge FS, et al. **Avian Dis** 1987 Jan–Mar; 31(1):39–42

Role of route of exposure, age, sex, and type of chicken on the pathogenicity of avian reovirus strain 81–176. Montgomery RD, et al. **Avian Dis** 1986 Jul–Sep;30(3):460–7

Studies on orthoreoviruses isolated from young turkeys. III. Pathogenic effects in chicken embryos, chicks, poults, and suckling mice. Nersessian BN, et al. **Avian Dis** 1986 Jul–Sep;30(3):585–92

Virulence of bluetongue virus for British sheep. Jeggo MJ, et al. **Res Vet Sci** 1987 Jan;42(1):24–8

PHYSIOLOGY

Replication of infectious bursal disease virus in continuous cell lines. Jackwood DH, et al. **Avian Dis** 1987 Apr–Jun; 31(2):370–5

Rejection of reovirus-treated L1210 leukemia cells by mice. Williams ME, et al. **Cancer Immunol Immunother** 1986; 23(2):87–92

The comparative virogenesis of three serotypes of bluetongue virus in Culicoides variipennis (Diptera: Ceratopogonidae). Ballinger ME, et al. **J Med Entomol** 1987 Jan;24(1):61–5

Transmission and in vitro excretion of bluetongue virus serotype 1 by inoculated Culicoides brevitarsis (Diptera: Ceratopogonidae). Muller MJ. **J Med Entomol** 1987 Mar; 24(2):206–11

Intracellular digestion of reovirus particles requires a low pH and is an essential step in the viral infectious cycle. Sturzenbecker LJ, et al. **J Virol** 1987 Aug;61(8):2351–61

Visualization of viral clearance in the living animal. Verdin EM, et al. **Science** 1987 Apr 24;236(4800):439–42

ULTRASTRUCTURE

The structure of the capsid inner layer of reoviruses. Brief report. Khaustov VI, et al. **Arch Virol** 1987;93(1–2):163–7

The two segments of the infectious bursal disease virus genome are circularized by a 90,000-Da protein. Müller H, et al. **Virology** 1987 Jul;159(1):174–7

REOVIRUS INFECTIONS

DIAGNOSIS

Colorado tick fever or ehrlichiosis [letter] Ellison RT 3d. **JAMA** 1987 Oct 2;258(13):1731–2

Reovirus type 3 and neonatal cholestasis. Glaser JH, et al. **Semin Liver Dis** 1987 May;7(2):100–7

ETIOLOGY

Adherence to and penetration of the intestinal epithelium by reovirus type 1 in neonatal mice. Wolf JL, et al. **Gastroenterology** 1987 Jan;92(1):82–91

IMMUNOLOGY

Mechanism of T cell immunosuppression by infectious bursal disease virus of chickens. Sharma JM, et al. **Prog Clin Biol Res** 1987;238:283–94

MICROBIOLOGY

Reovirus type 1 is secreted into the bile. Rubin DH, et al. **J Virol** 1986 Nov;60(2):726–8

Visualization of viral clearance in the living animal. Verdin EM, et al. **Science** 1987 Apr 24;236(4800):439–42

VETERINARY

Pathogenic and structural properties of wild type infectious bursal disease virus (IBDV) and virus grown in vitro. Lange H, et al. **Arch Virol** 1987;92(3–4):187–96

Infectious bursal disease and spirochetosis in pullet chicks. Abdu PA. **Avian Dis** 1987 Jan–Mar;31(1):204–5

Viral arthritis in fryers related to reovirus infection in breeders. Dhillon AS, et al. **Avian Dis** 1986 Jul–Sep; 30(3):613–6

Characterization of a reo-like virus and its isolation from and pathogenicity for parrots. Graham DL. **Avian Dis** 1987 Apr–Jun;31(2):411–9

Infectious bursal disease virus infection in the quail–chicken hybrid. Greenfield CL, et al. **Avian Dis** 1986 Jul–Sep; 30(3):536–42

Role of route of exposure, age, sex, and type of chicken on the pathogenicity of avian reovirus strain 81–176. Montgomery RD, et al. **Avian Dis** 1986 Jul–Sep;30(3):460–7

Studies on orthoreoviruses isolated from young turkeys. III. Pathogenic effects in chicken embryos, chicks, poults, and suckling mice. Nersessian BN, et al. **Avian Dis** 1986 Jul–Sep;30(3):585–92

Antinuclear antibody in chickens with reoviral arthritis. Pradhan HK, et al. **Avian Dis** 1987 Apr–Jun;31(2):249–53

Intestinal cryptosporidiosis and reovirus isolation from bobwhite quail (Colinus virginianus) with enteritis. Ritter GD, et al. **Avian Dis** 1986 Jul–Sep;30(3):603–8

Embryo vaccination of specific-pathogen-free chickens with infectious bursal disease virus: tissue distribution of the vaccine virus and protection of hatched chickens against disease. Sharma JM. **Avian Dis** 1986 Oct–Dec;30(4):776–80

Histopathologic changes induced by serotype II infectious bursal disease virus in specific-pathogen-free chickens. Sivanandan V, et al. **Avian Dis** 1986 Oct–Dec;30(4):709–15

Effect of maternal antibody on timing of initial vaccination of young white leghorn chickens against infectious bursal disease virus. Solano W, et al. **Avian Dis** 1986 Oct–Dec; 30(4):648–52

Quantitation of natural antibodies to infectious bursal disease in Nigerian indigenous chickens. Sokale EO, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(1):53–7

Detection of infectious pancreatic necrosis virus using an inhibition enzyme-linked immunosorbent assay. Ramsey DW, et al. **J Immunoassay** 1986;7(4):229–39

Studies on the possible roles of naturally infected Nigerian local chickens and vaccine virus in the epidemiology of infectious bursal disease. Adene DF, et al. **Rev Elev Med Vet Pays Trop** 1985;38(2):122–6

Histopathology of infectious bursal disease in non-lymphoid organs of chickens. Okoye JO. **Rev Elev Med Vet Pays Trop** 1985;38(3):229–34

Challenge study on infectious bursal disease in chicks derived from vaccinated hens. Abdu PA, et al. **Trop Anim Health Prod** 1987 Feb;19(1):47–52

Effect of exogenous corticosteroids on circulating virus and neutralizing antibodies in striped bass (Morone saxatilis) infected with infectious pancreatic necrosis virus. Wechsler SJ, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1–4):305–11

[Demonstration of a reovirus in helicopter disease of broilers] Gerganov G, et al. **Vet Med Nauki** 1987;24(3):21–32 (Eng. Abstr.) **(Bul)**

[Sequelae of concomitant infection of chicks with adenovirus or reovirus and the agent of avian infectious anemia (CAA)] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1986 Dec; 33(10):717–26 (Eng. Abstr.) **(Ger)**

REOVIRUS TYPE 3 see under **REOVIRIDAE**

REPETITIVE SEQUENCES, NUCLEIC ACID

Molecular analysis of a polymorphic domain of alpha satellite from the human X chromosome. Durfy SJ, et al. **Am J Hum Genet** 1987 Sep;41(3):391–401

Characterization of human centromeric regions of specific chromosomes by means of alphoid DNA sequences. Jabs EW, et al. **Am J Hum Genet** 1987 Sep;41(3):374–90

Isolation of human Y chromosomal major repetitive sequences from a flow-sorted Y chromosomal library. Nishioka Y, et al. **Am J Med Genet** 1987 Jul;27(3):711–7

Copy number of tandem direct repeats within the inverted repeats of Marek's disease virus DNA. Kanamori A, et al. **Biken J** 1986 Dec;29(3–4):83–9

Structure, polymorphism, and novel repeated DNA elements revealed by a complete sequence of the human alpha-fetoprotein gene. Gibbs PE, et al. **Biochemistry** 1987 Mar 10;26(5):1332–43

Replication time of interspersed repetitive DNA sequences in hamsters. Holmquist GP, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):164–77

Nuclease S1-sensitive sites on superhelical DNA molecules carrying the LTR region of Moloney murine leukemia virus. Kimura T, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):285–92

A systematic survey of repetitive sequences abundantly expressed in rat tumors. Kohnoe S, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):107–14

A cloned fragment of HeLa DNA containing consensus sequences of satellite II and III DNA hybridizes with the Drosophila P-element and with the 1.8 kb family of human KpnI fragments. Sol K, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):128–35

Characterization of the stability functions and inverted repeat structure X3 of the IncFI plasmid ColV2-K94. Weber PC, et al. **Can J Microbiol** 1986 Oct;32(10):806–13

Frequent alterations of specific reiterated DNA sequence abundances in human cancer. Baskin F, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):163–72

A role for ID repetitive sequences in growth- and transformation-dependent regulation of gene expression in rat fibroblasts. Glaichenhaus N, et al. **Cell** 1987 Sep 25; 50(7):1081–9

The telomeres of the linear mitochondrial DNA of Tetrahymena thermophila consist of 53 bp tandem repeats. Morin GB, et al. **Cell** 1986 Sep 12;46(6):873–83

Stabilization of translationally active mRNA by prokaryotic REP sequences. Newbury SF, et al. **Cell** 1987 Jan 30; 48(2):297–310

Isolation and characterization of an alpha-satellite repeated sequence from human chromosome 22. McDermid HE, et al. **Chromosoma** 1986;94(3):228–34

Structure of the 3' region of the human elastin gene: great abundance of Alu repetitive sequences and few coding sequences. Indik Z, et al. **Connect Tissue Res** 1987; 16(3):197–211

The AluI-induced bands in great apes and man: implication for heterochromatin characterization and satellite DNA distribution. Ferrucci L, et al. **Cytogenet Cell Genet** 1987; 44(1):53–7

Highly polymorphic DNA sequences in the distal region of the long arm of human chromosome 18. Müller U, et al. **Cytogenet Cell Genet** 1987;45(1):16–20

Detection of two TaqI polymorphisms in the VTR region of the human HRAS1 oncogene. Pierotti MA, et al. **Cytogenet Cell Genet** 1986;43(3–4):174–80

Chromosomal localization of human endogenous retroviral element ERV1 to 18q22——q23 by in situ hybridization. Renan MJ, et al. **Cytogenet Cell Genet** 1987;44(2–3):167–70

Construction and stability of a sixfold repeated artificial gene. Hofer B. **Eur J Biochem** 1987 Sep 1;167(2):307–13

Characterization of inverted repeated sequences in Ascaris nuclear DNA. Landolt P, et al. **Eur J Biochem** 1986 Sep 15;159(3):435–42

Palindromic units from E. coli as binding sites for a chromoid-associated protein. Gilson E, et al. **FEBS Lett** 1986 Oct 6;206(2):323–8

Methylation of the enhancer region of avian sarcoma virus long terminal repeat suppresses transcription. Guntaka RV, et al. **FEBS Lett** 1987 Sep 14;221(2):332–6

A peculiar repetitive sequence in the rat genome. Nojima H, et al. **FEBS Lett** 1986 Oct 27;207(2):227–30

Simple repetitive sequences in the genomes of archaebacteria. Vashakidze RP, et al. **FEBS Lett** 1987 Jun 1;216(2):217–20

Use of single (4B–2) and repetitive copy (pS4) deoxyribonucleic acid (DNA) probes to characterize translocated Y DNA in a pedigree with recurrent abortion. Tho SP, et al. **Fertil Steril** 1987 Sep;48(3):428–32

Characterization of two types of rRNA gene repeat units from the crustacean Artemia. Gallego ME, et al. **Gene** 1986; 48(1):175–82

Human Sau3A repeated DNA is enriched in small polydisperse circular DNA from normal lymphocytes. Hollis M, et al. **Gene** 1986;46(2–3):153–60

Rapid identification of hybridization probes for chromosomal walking. Howell MD, et al. **Gene** 1987;55(1):41–5

Revision of consensus sequence of human Alu repeats—a review. Kariya Y, et al. **Gene** 1987;53(1):1–10

Phylogenetic relationships between adenoviruses as inferred from nucleotide sequences of inverted terminal repeats. Shinagawa M, et al. **Gene** 1987;55(1):85–93

Cloning and characterization of a rat-specific repetitive DNA sequence. Shore SK, et al. **Gene** 1986;45(1):87–93

Differential transcription of the repetitive R-element in various mouse cell types. Weber T, et al. **Gene** 1987; 53(1):105–11

Homogenization of tandemly repeated nucleotide sequences by distance-dependent nucleotide sequence conversion. Dvořák J, et al. **Genetics** 1987 Jul;116(3):487–98

Chromosomal location by in situ hybridization of the human Sau3A family of DNA repeats. Agresti A, et al. **Hum Genet** 1987 Apr;75(4):326–32

DNA finger printing by oligonucleotide probes specific for simple repeats. Ali S, et al. **Hum Genet** 1986 Nov; 74(3):239–43

Repeated DNA sequences in the distal long arm of the human X chromosome. Müller U, et al. **Hum Genet** 1986 Sep; 74(1):24–9

Molecular analysis of cucurbitaceae genomes: Part IV—Homologies among repeated DNA sequences. Lagu M, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):167–70

Distribution of the short dispersed repetitive sequences B1 and B2 in the mouse genome. Vassilev L, et al. **Int J Biochem** 1986;18(11):1069–71

Two families of repeated DNA sequences in Thiobacillus ferrooxidans. Yates JR, et al. **J Bacteriol** 1987 May; 169(5):1861–70

Cyclic AMP responsiveness of human gonadotropin–alpha gene transcription is directed by a repeated 18–base pair enhancer. Alpha-promoter receptivity to the enhancer confers cell–preferential expression. Deutsch PJ, et al. **J Biol Chem** 1987 Sep 5;262(25):12169–74

Genes encoding proteins with homologous contiguous repeat sequences are highly expressed in the serous cells of the rat submandibular gland. Heinrich G, et al. **J Biol Chem** 1987 Apr 15;262(11):5262–70

Deletion of exon encoding cysteine-rich repeat of low density lipoprotein receptor alters its binding specificity in a subject with familial hypercholesterolemia. Hobbs HH, et al. **J Biol Chem** 1986 Oct 5;261(28):13114–20

Duplication of type IV collagen COOH-terminal repeats and species-specific expression of alpha 1(IV) and alpha 2(IV) collagen genes. Myers JC, et al. **J Biol Chem** 1987 Jul 5; 262(19):9231–8

Three direct repeats and a TATA–like sequence are required for regulated expression of the human low density lipoprotein receptor gene. Südhof TC, et al. **J Biol Chem** 1987 Aug 5;262(22):10773–9

Structural organization and DNA methylation patterning within the mouse L1 family. Tolberg ME, et al. **J Biol Chem** 1987 Aug 15;262(23):11167–75

The DNA sequence of the structural gene of gonococcal protein III and the flanking region containing a repetitive sequence. Homology of protein III with enterobacterial OmpA proteins. Gotschlich EC, et al. **J Exp Med** 1987 Feb 1;165(2):471–82

Analysis of multiple restriction fragment length polymorphisms of the gene for the human complement receptor type I. Duplication of genomic sequences occurs in association with a high molecular mass receptor allotype. Wong WW, et al. **J Exp Med** 1986 Nov 1;164(5):1531–46

An inverted repeat sequence of the IncFI plasmid ColV2–K94 increases multimerization-mediated plasmid instability. Weber PC, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):989–95

Sequence reiteration required for the efficient growth of BK virus. Hara K, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2555–9

Proteins antigenically related to peptides encoded by the mouse mammary tumour virus long terminal repeat sequence are associated with intracytoplasmic A particles. Smith GH, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):473–86

Organization of terminal reiterations in the virion DNA of herpesvirus saimiri. Stamminger T, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1049–66

Nucleotide sequence of the Rauscher murine leukaemia virus long terminal repeat. van der Feltz MJ, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2785–90

Characterization of a member of the highly repeated long interspersed rat DNA family with long open reading frames. Achten S, et al. **J Mol Biol** 1986 Dec 5; 192(3):489–502

Association of reciprocal exchange with gene conversion between the repeated segments of 2–micron circle. Jayaram M. **J Mol Biol** 1986 Oct 5;191(3):341–54

A group of repetitive human DNA families that is characterized by extrachromosomal oligomers and restriction-fragment length polymorphism. Kiyama R, et al. **J Mol Biol** 1987 Feb 20;193(4):591–7

Functional analysis of the glucocorticoid regulatory elements present in the mouse mammary tumor virus long terminal repeat. A synthetic distal binding site can replace the proximal binding domain. Kühnel B, et al. **J Mol Biol** 1986 Aug 5;190(3):367–78

Sequence periodicities in chicken nucleosome core DNA. Satchwell SC, et al. **J Mol Biol** 1986 Oct 20;191(4):659–75

Primate evolution of the alpha–globin gene cluster and its Alu–like repeats. Sawada I, et al. **J Mol Biol** 1986 Dec 20;192(4):693–709

Sequence of the short unique region, short repeats, and part of the long repeats of human cytomegalovirus. Weston K, et al. **J Mol Biol** 1986 Nov 20;192(2):177–208

A highly abundant transcript in adult murine cerebellar granule cells contains repetitive sequences homologous to L1. Schaal H, et al. **J Neurosci** 1987 Jul;7(7):2041–8

Cell-specific ribosomal DNA spacer variability in human urothelial carcinoma cultures. Wilson GN, et al. **J Urol** 1987 Feb;137(2):324–6

Identification of a repeated sequence element required for efficient encapsidation of the adenovirus type 5 chromosome. Hearing P, et al. **J Virol** 1987 Aug; 61(8):2555–8

Sequences responsible for erythroid and lymphoid leukemia in the long terminal repeats of Friend–mink cell focus–forming and Moloney murine leukemia viruses. Ishimoto A, et al. **J Virol** 1987 Jun;61(6):1861–6

Instability of large direct repeats in retrovirus vectors. Rhode BW, et al. **J Virol** 1987 Mar;61(3):925–7

The bovine leukemia virus X region encodes a trans–activator of its long terminal repeat. Katoh I, et al. **Jpn J Cancer Res** 1987 Feb;78(2):93–8

Repetitive DNA as a tool for the identification and comparison of nematode variants: application to Trichinella isolates. Chambers AE, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):113–20

Strain–specific 1.7 kilobase repetitive deoxyribonucleic acid sequence family in Trichinella spiralis. Klassen GR, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):227–33

Telomeric motifs are present in a highly repetitive element in the Plasmodium berghei genome. Pace T, et al. **Mol Biochem Parasitol** 1987 Jun;24(2):193–202

Cloning and characterization of two Onchocerca volvulus repeated DNA sequences. Perler FB, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):171–8

Localization of small RNAs hybridizable to a B2 clone in the nuclear fraction of mouse cell lines. Gallant J, et al. **Mol Biol Rep** 1987;12(1):49–53

Intramolecular recombination between transfected repeated sequences in mammalian cells is nonconservative [published erratum appears in Mol Cell Biol 1986 Oct;6(10):3568] Chakrabarti S, et al. **Mol Cell Biol** 1986 Jul;6(7):2520–6

Androgen regulation by the long terminal repeat of mouse mammary tumor virus. Darbre P, et al. **Mol Cell Biol** 1986 Aug;6(8):2847–54

DNA sequences homologous to the Drosophila opa repeat are present in murine mRNAs that are differentially expressed in fetuses and adult tissues. Duboule D, et al. **Mol Cell Biol** 1987 May;7(5):2003–6

Competitive and cooperative functioning of the anterior and posterior promoter elements of an Alu family repeat. Perez–Stable C, et al. **Mol Cell Biol** 1986 Jun;6(6):2041–52

Short repeated elements in the upstream regulatory region of the SUC2 gene of Saccharomyces cerevisiae. Sarokin L, et al. **Mol Cell Biol** 1986 Jul;6(7):2324–33

At least two nuclear proteins bind specifically to the Rous sarcoma virus long terminal repeat enhancer. Sealey L, et al. **Mol Cell Biol** 1987 Feb;7(2):787–98

The yeast repeated element sigma contains a hormone–inducible promoter. Van Arsdell SW, et al. **Mol Cell Biol** 1987 Feb;7(2):749–59

Small tandemly repeated DNA sequences of higher plants likely originate from a tRNA gene ancestor. Benslimane AA, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8111–9

Highly recurring sequence elements identified in eukaryotic DNAs by computer analysis are often homologous to regulatory sequences or protein binding sites. Bodnar JW, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1835–51

An unusually compact ribosomal DNA repeat in the protozoan Giardia lamblia. Boothroyd JC, et al. **Nucleic Acids Res** 1987 May 26;15(10):4065–84

Atypical nucleosome spacing of rat neuronal identifier elements in non–neuronal chromatin. Brown IR, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3563–71

S1 nuclease sensitivity of a double–stranded telomeric DNA sequence. Budarf M, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6273–92

A variable tandem repeat locus mapped to chromosome band 10q26 is amplified and rearranged in leukocyte DNAs of two cancer patients. Colb M, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7929–37

Translocation and amplification of an X–chromosome DNA repeat in inbred strains of mice. Disteche CM, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4393–401

Two human repetitive DNA elements: a new interspersed repeat found in the factor IX gene, and a satellite 11 tandem repeat sequence. Drinkwater RD, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9541

Discrete high molecular weight RNA transcribed from the long interspersed repetitive element L1Md. Dudley JP. **Nucleic Acids Res** 1987 Mar 25;15(6):2581–92

A novel GC–rich dispersed repeat sequence in Drosophila melanogaster. Flavell AJ, et al. **Nucleic Acids Res** 1987 May 26;15(10):4035–48

The rat prolactin gene contains at least six poly(dT–dG).poly(dC–dA) repeats. McFarlane D, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7805

A human Y–chromosome specific repeated DNA family (DYZ1) consists of a tandem array of pentanucleotides. Nakahori Y, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7569–80

Organization of Plasmodium falciparum genome: II. Sequence analysis of falci element. Rao AS, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9542

Identification and DNA sequence of an interspersed repetitive DNA element in the genome of the miniature swine. Singer DS, et al. **Nucleic Acids Res** 1987 Mar 25; 15(6):2780

A new family of LTR–like sequences abundantly expressed in rat tumors. Suzuki N, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9271–89

Molecular analysis of a deletion polymorphism in alpha satellite of human chromosome 17: evidence for homologous unequal crossing–over and subsequent fixation. Waye JS, et al. **Nucleic Acids Res** 1986 Sep 11; 14(17):6915–27

A new rice repetitive DNA shows sequence homology to both 5S RNA and tRNA. Wu TY, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):5913–23

Dispersed repetitive sequences of the mouse genome are differentially represented in extrachromosomal circular DNAs in vivo. Flores SC, et al. **Plasmid** 1987 May; 17(3):257–60

GCN4 protein, a positive transcription factor in yeast, binds general control promoters at all 5'TGACTC 3' sequences. Arndt K, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8516–20

Functional analysis of a retroviral host–range mutant: altered long terminal repeat sequences allow expression in embryonal carcinoma cells. Hilberg F, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5232–6

Localization and comparative nucleotide sequence analysis of the transforming domain in herpes simplex virus DNA containing repetitive genetic elements. Jones C, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7855–9

A family of short, interspersed repeats is associated with tandemly repetitive DNA in the human genome. Mermer B, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3320–4

Requirement of multiple copies of a 21–nucleotide sequence in the U3 regions of human T–cell leukemia virus type I and type II long terminal repeats for trans–acting activation of transcription. Shimotohno K, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8112–6

Brain "identifier sequence".Furano AV. **Science** 1986 Nov 21;234(4779):1005–6

Variable number of tandem repeat (VNTR) markers for human gene mapping. Nakamura Y, et al. **Science** 1987 Mar 27;235(4796):1616–22

A sequence in M13 phage detects hypervariable minisatellites in human and animal DNA. Vassart G, et al. **Science** 1987 Feb 6;235(4789):683–4

Structural alterations in the long terminal repeat of an acquired mouse mammary tumor virus provirus in a T–cell leukemia of DBA/2 mice. Lee WT, et al. **Virology** 1987 Jul;159(1):39–48

A simple repetitive sequence common to herpes simplex virus type 1 and human ribosomal DNAs. Parks CL, et al. **Virology** 1986 Oct 30;154(2):381–8

Multiple reiteration of a 40–bp nucleotide sequence in the inverted terminal repeat of the genome of a canine adenovirus. Sira S, et al. **Virology** 1987 Jul;159(1):76–83

[Cloning of Y specific repeated DNA and its use in the study of a structurally abnormal Y chromosome] Nakahori Y, et al. **Tanpakushitsu Kakusan Koso** 1986 Oct;31(13):1331–9 (13 ref.) **(Jpn)**

[DNA sequences necessary for the regulation of transcription by glucocorticoid hormones in eukaryotic cells] Sokół–Misiak W. **Postepy Biochem** 1985;31(3–4):593–9 (13 ref.) **(Pol)**

[A new approach to DNA synthesis from synthetic oligonucleotides. Synthesis of DNA coding for the repeated antigenic determinant of foot and mouth disease virus] Korobko VG, et al. **Bioorg Khim** 1987 Jan; 13(1):69–81 (Eng. Abstr.) **(Rus)**

[Chemical reactions in double–stranded nucleic acids. III. Synthesis of terminal inverted repeats of the IS1 element] Shabarova ZA, et al. **Bioorg Khim** 1987 May;13(5):628–42 (Eng. Abstr.) **(Rus)**

[High interindividual polymorphism in restriction fragment length and copy number of the TURI family of moderate human DNA repetitions] Rogaev EI, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):57–8 (Eng. Abstr.) **(Rus)**

[Point mutation clusters predetermined by the quasi–palindromic nucleotide sequence in DNA] Salganik RI, et al. **Dokl Akad Nauk SSSR** 1986;291(6):1499–501 **(Rus)**

[Comparative study of properties of highly repetitive DNA in the silver fox and polar fox (Carnivora, Canidae)] Potapov VA, et al. **Genetika** 1987 Jun;23(6):1104–12 **(Rus)**

[Sequences containing the Alu elements from a human fibroblast cDNA clone library: nucleotide sequence and expression in various tissues] Korneev SA, et al. **Mol Biol (Mosk)** 1986 Sep–Oct;20(5):1377–89 (Eng. Abstr.) **(Rus)**

[Images of Alu-sequence in 7 DNA clones from the human genome] Korotkov EV. **Mol Biol (Mosk)** 1987 Mar–Apr; 21(2):478–83 (Eng. Abstr.) **(Rus)**

[Base interaction and conformation manifestations of repetitive nucleotide sequences] Poltev VI, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):102–15 (Eng. Abstr.) **(Rus)**

[Transfer of active oncogenes and promoters into the mouse cell genome] Tatosian AG, et al. **Mol Biol (Mosk)** 1986 Sep–Oct;20(5):1226–35 (Eng. Abstr.) **(Rus)**

[The structure of small polyadenylated B2–RNA] Tillib SV, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1593–603 (Eng. Abstr.) **(Rus)**

[Cleavage of the repeats in the liver DNA of rats during initial chromatin endonucleolysis] Bubnov NV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):25–30 (Eng. Abstr.) **(Rus)**

[Characteristics of inheritance of restriction fragment polymorphisms for non-transcribed spacers of human rRNA genes] Gar'kavtsev IV, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**

[Cloned fragment of human repetitive DNA specific for the centromere heterochromatin of chromosome 3] Iurov IuB, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul;(7):19–23 (Eng. Abstr.) **(Rus)**

[Transcription, in frog oocytes and transgenic mice, of recombinant plasmids with long terminal repeats of retrovirus proviruses] Kosikov AI, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):21–6 (Eng. Abstr.) **(Rus)**

[Heterogeneity of nuclear proteins from HeLa cells specifically binding to the Alu sequence] Perelygina LM, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):15–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Detection of DNA sequences sensitive to glucocorticoids in the thymus of AKR mice and their inactivation in thymoma] Novikova VM, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):563–6 (Eng. Abstr.) **(Rus)**

REPLANTATION

Successful tubal reimplantation after rupture of the uterus. Fredricsson B, et al. **Acta Obstet Gynecol Scand** 1986; 65(6):665–6

Incorporation of nonviable bone grafts. Autoclaved autogeneic and frozen allogeneic bone grafts compared in the rabbit. Köhler P, et al. **Acta Orthop Scand** 1987 Feb; 58(1):54–60

Diaphyseal reconstruction by autoclaved bone. Reimplantation experiments in rabbits. Kreicbergs A, et al. **Acta Orthop Scand** 1987 Feb;58(1):61–5

Replantation of a leg in an adult with 6-years' follow-up. Vilkki SK. **Acta Orthop Scand** 1986 Oct;57(5):447–9

A study of the biological behavior of the meniscus as a transplant in the medial compartment of a dog's knee. Canham W, et al. **Am J Sports Med** 1986 Sep–Oct; 14(5):376–9

Salvage replantation: free composite transfer from a non-replantable arm. Quaba AA, et al. **Br J Plast Surg** 1987 May;40(3):310–2

Skeletal stabilization for digital replantation surgery. Use of intraosseous wiring. Gordon L, et al. **Clin Orthop** 1987 Jan;(214):72–7

Skeletal fixation in digital replantation. Use of the "H" plate. Nunley JA, et al. **Clin Orthop** 1987 Jan;(214):66–71

Comparison of functional results of replantation versus prosthesis in a patient with bilateral arm amputation. Peacock K, et al. **Clin Orthop** 1987 Jan;(214):153–9

The use of urokinase in ischemic replanted extremities in rats. Zdeblick TA, et al. **J Bone Joint Surg [Am]** 1987 Mar; 69(3):442–9

Pulse oximetry for vascular monitoring in upper extremity replantation surgery. Graham B, et al. **J Hand Surg [Am]** 1986 Sep;11(5):687–92

Longitudinal epiphyseal growth after replantation and transplantation in children. Nunley JA, et al. **J Hand Surg [Am]** 1987 Mar;12(2):274–9

Above elbow limb replantation: functional results. Wood MB, et al. **J Hand Surg [Am]** 1986 Sep;11(5):682–7

Primary flexible implant arthroplasty of the metacarpophalangeal joints during digital replantation. Kay S, et al. **J Hand Surg [Br]** 1986 Oct;11(3):414–6

Cold sensitivity after replantation in relation to arterial circulation and vasoregulation. Nylander G, et al. **J Hand Surg [Br]** 1987 Feb;12(1):78–81

The reimplanted ureter as a catheterizing stoma. Ashcraft KW, et al. **J Pediatr Surg** 1986 Dec;21(12):1042–5

Reflection photometry of oxygen supply of skin flaps and replanted fingers. Keller H, et al. **J Reconstr Microsurg** 1986 Jul;2(4):241–5

A case of replantation of a completely amputated digit after 26 hours of warm ischemia. Seo T, et al. **J Reconstr Microsurg** 1987 Jan;3(2):143–6

Venous flaps in digital revascularization and replantation. Tsai TM, et al. **J Reconstr Microsurg** 1987 Jan;3(2):113–9

Seven-digit replantation: digit survival after 39 hours of cold ischemia. May JW Jr, et al. **Plast Reconstr Surg** 1986 Oct; 78(4):522–5

Arteriovenous fistulas after replantation [letter] Solmer R. **Plast Reconstr Surg** 1986 Nov;78(5):696–7

Human bites of the eyelid. Spinelli HM, et al. **Plast Reconstr Surg** 1986 Nov;78(5):610–4

Routine reinsertion of the hump in rhinoplasty. Lejour M, et al. **Scand J Plast Recoastr Surg** 1986;20(1):55–9

Successful replantation of severed limbs. Naraynsingh V, et al. **West Indian Med J** 1987 Mar;36(1):45–7

[Analysis of failure in the replantation of 34 severed fingers] Cheng GL, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May; 24(5):260–2, 315 (Eng. Abstr.) **(Chi)**

[Animal experimentation and clinical application of invagination anastomosis for small blood vessels] Wang GJ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):269–70, 315 (Eng. Abstr.) **(Chi)**

[Limb reimplantation. Long-term evaluation] Mitz V, et al. **Chirurgie** 1986;112(9):695–8 (Eng. Abstr.) **(Fre)**

[Compartment syndrome as a complication of surgical position in penis replantation] Hellbom B, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):363–6 (Eng. Abstr.) **(Ger)**

[Healing of chondral fragments] Passl R, et al. **Unfallchirurgie** 1986 Aug;12(4):194–9 (Eng. Abstr.) **(Ger)**

[Comparative study of the blood circulation in reimplanted upper arms] Kubatov M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(2):117–26 (Eng. Abstr.) **(Hun)**

[Analysis of blood circulation in reimplanted fingers using a gamma camera] Kubatov M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(3):205–9 (Eng. Abstr.) **(Hun)**

[Reconstruction of the thumb] Azze RJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jul–Aug; 41(4):198–202 (Eng. Abstr.) **(Por)**

[Our experience in replantations of large segments of the extremities] Stepanov GA, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):65–9 (Eng. Abstr.) **(Rus)**

METHODS

Reinnervation of skeletal muscle: a comparison of nerve implantation with neuromuscular pedicle transfer in an animal model. Meikle D, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):152–7

Excision–alcohol–replantation (EAR) method for bone grafting after tumor resection. Song XW. **Chin Med J [Engl]** 1986 Feb;99(2):97–104

Current procedures in China on replantation of severed limbs and digits. Chen ZW, et al. **Clin Orthop** 1987 Feb; (215):15–23

Operative treatment of bilateral vesicoureteral reflux by our own method of ureter reimplantation. Fryczkowski M, et al. **Int Urol Nephrol** 1986;18(4):397–402

Upper extremity preservation before replantation. Bajec J, et al. **J Hand Surg [Am]** 1987 Mar;12(2):321–2

Successful replantation of amputated nose and auricle. Fuleihan NS, et al. **Otolaryngol Head Neck Surg** 1987 Jul; 97(1):18–23

Ear replantation. Juri J, et al. **Plast Reconstr Surg** 1987 Sep; 80(3):431–5

Ectopic vascularization using the inferior epigastric system [letter] Mangus DJ. **Plast Reconstr Surg** 1987 Mar;79(3):495

Lymphatic drainage in patients after replantation of extremities. Smith AR, et al. **Plast Reconstr Surg** 1987 Feb; 79(2):163–70

Microsurgical replantation of a total scalp avulsion. Case report. Fogdestam I, et al. **Scand J Plast Reconstr Surg** 1986;20(3):319–22

[Limb detachment--what to do?] Asko-Seljavaara S. **Duodecim** 1987;103(5):283–7 **(Fin)**

[Reimplantation and transplantation of the scalp] Baudet J, et al. **Ann Chir Plast Esthet** 1987;32(2):107–11 (Eng. Abstr.) **(Fre)**

[Distal reimplantation of the extremities] Lescalie F, et al. **J Chir (Paris)** 1987 Apr;124(4):236–40 (Eng. Abstr.) **(Fre)**

[Total or subtotal amputation of a long finger with destruction of the metacarpophalangeal joint--regaining function by replantation?] Stober R. **Aktuel Traumatol** 1987 Jun;17(3):100–4 (Eng. Abstr.) **(Ger)**

[Replantation of autologous cryopreserved parathyroid tissue in permanent postoperative hypoparathyroidism] Wagner PK, et al. **Dtsch Med Wochenschr** 1987 Jul 24; 112(30):1160–2 (Eng. Abstr.) **(Ger)**

[Replantation of the extremities with special reference to flanking measures] Scharnagl E. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):275–88 (Eng. Abstr.) **(Ger)**

[Macro- and microreplantations of the lower leg and foot] Seiler H, et al. **Langenbecks Arch Chir** 1986;369:625–7 (Eng. Abstr.) **(Ger)**

[Primary pollicization in severe circular saw injury (autologous joint transplantation, flap–plasty)] Walzer LR, et al. **Unfallchirurg** 1986 Aug;89(8):365–8 (Eng. Abstr.) **(Ger)**

[Late result following successful penis replantation with spontaneous closure of a urethral fistula] Kuber W. **Urologe [A]** 1986 Jul;25(4):235–7 (Eng. Abstr.) **(Ger)**

[Lymph vessel regeneration following replantation and free microvascular flap–plasty] Piza–Katzer H, et al. **Vasa** 1987; 16(1):60–6 (Eng. Abstr.) **(Ger)**

[Thumb replantation] Hetland KR, et al. **Nord Med** 1986; 101(8–9):238–42 (Eng. Abstr.) **(Nor)**

PSYCHOLOGY

[Late social sequelae of replantation of the limbs] Juul C. **Ugeskr Laeger** 1986 Oct 6;148(41):2654–5 (Eng. Abstr.) **(Dan)**

REHABILITATION

Thumb replantation or not? Ekerot L, et al. **Scand J Plast Reconstr Surg** 1986;20(3):293–5

[Replantation of severed fingers and restoration of digital function] Ge J. **Chung Hua I Hsueh Tsa Chih** 1986 Aug; 66(8):488–90 **(Chi)**

REPLANTATION, TOOTH see **TOOTH REPLANTATION**

REPLICATION UNIT see **REPLICON**

REPLICON

Evidence for the involvement of a single major species of replicative complex in DNA synthesis from two diverse nuclear replicons in yeast. Jazwinski SM. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1053–8

Enhanced instability of IncFII basic replicon by the polA mutation. Yoshimoto H, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):918–25

Application of hypoxia-induced shut down of replicon initiation to the analysis of replication intermediates in Ehrlich ascites cells. Gekeler V, et al. **Biol Chem Hoppe Seyler** 1986 Dec;367(12):1209–17

A replication origin is turned off by an origin-"silencer" sequence. Patel I, et al. **Cell** 1986 Dec 5;47(5):785–92

Factors influencing replicon organization in tissues having different S-phase durations in the mole rat, Bandicota bengalensis. Dubey DD, et al. **Chromosoma** 1987; 95(4):285–9

A nuclease-derived fragment of metaphase DNA and its relationship to the replicon. Clark RW, et al. **Exp Cell Res** 1987 Apr;169(2):296–310

Do sister forks of bidirectionally growing replicons proceed at unequal rates? Dubey DD, et al. **Exp Cell Res** 1987 Feb; 168(2):555–60

Mode of replicon fusion mediated by the duplicated insertion sequence IS21 in Escherichia coli. Reimmann C, et al. **Genetics** 1987 Apr;115(4):619–25

Evolution of R plasmids by replicon fusion. Bennett PM, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:103–11 (29 ref.)

cmp, a cis-acting plasmid locus that increases interaction between replication origin and initiator protein. Gennaro ML, et al. **J Bacteriol** 1986 Oct;168(1):160–6

Mini-mu bacteriophage with plasmid replicons for in vivo cloning and lac gene fusing. Groisman EA, et al. **J Bacteriol** 1986 Oct;168(1):357–64

Cloning of genes from members of the family Enterobacteriaceae with mini-Mu bacteriophage containing plasmid replicons. Groisman EA, et al. **J Bacteriol** 1987 Feb;169(2):687–93

Nucleotide sequence analysis of RepFIC, a basic replicon present in IncFI plasmids P307 and F, and its relation to the RepA replicon of IncFII plasmids. Saadi S, et al. **J Bacteriol** 1987 May;169(5):1836–46

Resolution of a polyomavirus-mouse hybrid replicon: release of genomic viral DNA. Piché A, et al. **J Virol** 1987 Mar; 61(3):840–4

Cancer: involvement of replicative origins? Grossgebauer K. **Med Hypotheses** 1986 Oct;21(2):127–40

Replicon fusions promoted by insertion sequences on Pseudomonas cepacia plasmid pTGL6. Barsomian G, et al. **MGG** 1986 Aug;204(2):273–80

Characterisation of an autonomously replicating sequence from the fission yeast Schizosaccharomyces pombe. Johnston LH, et al. **MGG** 1987 Apr;207(1):161–4

Rate of replication of the murine immunoglobulin heavy-chain locus: evidence that the region is part of a single replicon. Brown EH, et al. **Mol Cell Biol** 1987 Jan; 7(1):450–7

Bent DNA at a yeast autonomously replicating sequence. Snyder M, et al. **Nature** 1986 Nov 6–12;324(6092):87–9

Characterization of the maintenance functions of IncFIV plasmid R124. Campbell IG, et al. **Plasmid** 1987 Mar; 17(2):117–36

Functioning of the F-plasmid origin of replication in an Escherichia coli K12 Hfr strain during exponential growth. Lycett GW, et al. **Plasmid** 1986 Nov;16(3):168–74

[Bireplicon vector plasmids for the cyanobacterium Synechocystis 6803 and Escherichia coli] Elanskaia IV, et al. **Dokl Akad Nauk SSSR** 1987;293(3):716–9 **(Rus)**

[A new vector for cloning of genes and replicons in yeasts] Nelstat MA, et al. **Genetika** 1986 Nov;22(11):2728–33 (Eng. Abstr.) **(Rus)**

[Molecular cloning and functional analysis of DNA regions of plasmid RP4 determining the incompatibility properties]

Riabchenko LE, et al. **Genetika** 1986 Aug;22(8):2025–34 (Eng. Abstr.) **(Rus)**

[Effect of deletions in the ori–Tc region of plasmid pBR322 on its compatibility with replicon pMB1] Ovechko NN, et al. **Mol Gen Mikrobiol Virusol** 1986 Sep;(9):12–6 (Eng. Abstr.) **(Rus)**

[Construction and analysis of two–replicon hybrid plasmids containing the genome of simian papovavirus SV40] Sasina LK, et al. **Mol Gen Mikrobiol Virusol** 1986 Jan;(1):26–30 (Eng. Abstr.) **(Rus)**

[Conjugation transfer of the bireplicon plasmid pSPA044 into Rhizobiaceae bacteria] Stekhin IN, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):31–3 (Eng. Abstr.) **(Rus)**

[Nucleotide sequence of the replicative region of the plasmid ColA–CA31] Zverev VV, et al. **Mol Gen Mikrobiol Virusol** 1985 Jul;(7):18–24 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Activation of alternative sites of replicon initiation in Chinese hamster cells exposed to ultraviolet light. Griffiths TD, et al. **Mutat Res** 1987 Jul;184(1):39–46

REPRESSION

Psychobiological factors predicting the course of breast cancer. Jensen MR. **J Pers** 1987 Jun;55(2):317–42

Repression and the inaccessibility of affective memories. Davis PJ, et al. **J Pers Soc Psychol** 1987 Jan;52(1):155–62

The use of subliminal psychodynamic activation in the study of repression. Geisler C. **J Pers Soc Psychol** 1986 Oct; 51(4):844–51

MacAndrew Alcoholism Scale and repression: detection of false negatives, a failure to replicate. Kennedy BP, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):839–42

REPRESSOR PROTEINS see under **TRANSCRIPTION FACTORS**

REPRODUCTION

The role of androstenedione and testosterone in the reproduction and antler growth of a male white–tailed deer. Bubenik GA, et al. **Acta Endocrinol (Copenh)** 1987 Jan; 114(1):147–52

Molecular and cellular aspects of reproduction. Proceedings of a workshop. October 20–21, 1985, Bethesda, Maryland. **Adv Exp Med Biol** 1986;205:1–381

Reproduction in the male honey possum (Tarsipes rostratus: Marsupialia): the epididymis. Cummins JM, et al. **Am J Anat** 1986 Nov;177(3):385–401

Reproductive biology of the male little mastiff bat, Mormopterus planiceps (Chiroptera:Molossidae), in southeast Australia. Krutzsch PH, et al. **Am J Anat** 1987 Apr;178(4):352–68

Long–term marginal zinc deprivation in rhesus monkeys. I. Effects on adult female breeders before conception. Haynes DC, et al. **Am J Clin Nutr** 1987 Jun;45(6):1492–502

Reproductive function in patients with renal insufficiency. Lim VS. **Am J Kidney Dis** 1987 Apr;9(4):363–7 (13 ref.)

Twenty–four ways to have children. Weaver DD, et al. **Am J Med Genet** 1987 Mar;26(3):737–40

Age–related changes in the female hormonal environment during reproductive life. Musey VC, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):312–7

Cell biology and its relationship to reproductive endocrinology. Widnell CC. **Am J Obstet Gynecol** 1987 Apr;156(4):778–82

Environment and hamster reproduction: responses to phase–specific starvation during estrous cycle. Morin LP. **Am J Physiol** 1986 Oct;251(4 Pt 2):R663–9

Seventh annual meeting of the American Society for the Immunology of Reproduction. June 24–26, 1987, Indianapolis, Indiana. Abstracts. **Am J Reprod Immunol Microbiol** 1987 May;14(1):1–14

Reproductive performance in women with repeated pregnancy losses and multiple partners. Coulam CB, et al. **Am J Reprod Immunol Microbiol** 1986 Sep;12(1):10–2

Circannual rhythms in reproductive functions of human males, correlations among hormones and hormone–dependent parameters. Abbaticchio G, et al. **Andrologia** 1987 May–Jun;19(3):353–61

Reproduction: a behavioral and neuroendocrine perspective. In honor of Jay S. Rosenblatt. **Ann NY Acad Sci** 1986; 474:1–465

The role of ultrasonic vocalizations in the regulation of reproduction in rats. Barfield RJ, et al. **Ann NY Acad Sci** 1986;474:33–43 (32 ref.)

Reproductive neuroendocrine regulation in the female rat by central catecholamine–neuropeptide interactions: a local control hypothesis. Crowley WR. **Ann NY Acad Sci** 1986; 474:423–36 (100 ref.)

Reciprocity in neuroendocrine and evolutionary approaches to the study of reproductive behavior. Diakow C. **Ann NY Acad Sci** 1986;474:325–30 (20 ref.)

Maternal health during childhood and later reproductive performance. Emanuel I. **Ann NY Acad Sci** 1986;477:27–39 (85 ref.)

Role of the preoptic area in the neuroendocrine regulation of reproduction: an analysis of functional preoptic homografts. Gibson MJ. **Ann NY Acad Sci** 1986;474:53–63 (42 ref.)

Prenatal stress disrupts reproductive behavior and physiology in offspring. Herrenkohl LR. **Ann NY Acad Sci** 1986; 474:120–8 (42 ref.)

Female vocalizations and their role in the avian breeding cycle. Inman BL. **Ann NY Acad Sci** 1986;474:44–52 (37 ref.)

The role of the vomeronasal organ in behavioral control of reproduction. Johns MA. **Ann NY Acad Sci** 1986; 474:148–57 (78 ref.)

Genital stimulation as a trigger for neuroendocrine and behavioral control of reproduction. Komisaruk BR, et al. **Ann NY Acad Sci** 1986;474:64–75 (110 ref.)

Reproductive behavior as a phenotypic correlate of T–locus genotype in wild house mice: implications for evolutionary models. Lenington S. **Ann NY Acad Sci** 1986;474:141–7 (32 ref.)

Hormonal and metabolic factors underlying intraspecific variation in reproductive social behavior. Lott DF. **Ann NY Acad Sci** 1986;474:129–34 (37 ref.)

Experiential influences on hormonally dependent ring dove parental care. Michel GF. **Ann NY Acad Sci** 1986; 474:158–69 (54 ref.)

A concept of physiological time: rhythms in behavior and reproductive physiology. Morin LP. **Ann NY Acad Sci** 1986;474:331–51 (65 ref.)

Advantages to female rodents of male–induced pregnancy disruptions. Storey A. **Ann NY Acad Sci** 1986;474:135–40 (32 ref.)

Male reproduction in the Cape horseshoe bat (Rhinolophus capensis). Bernard RT. **Arch Androl** 1986;17(2):157–8

Neuroendocrine regulation of reproduction. Zárate A. **Arch Invest Med (Mex)** 1985;16 Suppl 3:5–10 **(Eng, Spa)**

Reproductive and leptospiral studies on beef cattle in central Queensland. Carroll AG, et al. **Aust Vet J** 1987 Jan; 64(1):1–5

Pilot and astronaut offspring: possible G–force effects on human sex ratio. Little BB, et al. **Aviat Space Environ Med** 1987 Jul;58(7):707–9

Reproductive endocrinology. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):1–246

Pulsatility of reproductive hormones: physiological basis and clinical implications. Clarke IJ, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):1–21 (140 ref.)

Program for the twentieth annual meeting of the Society for the Study of Reproduction, including a symposium on fetal–maternal relationships. Urbana, Illinois, July 20–23, 1987. Abstracts. **Biol Reprod** 1987;36 Suppl 1:47–192

Reproductive effects of olfactory bulbectomy in the Syrian hamster. Clancy AN, et al. **Biol Reprod** 1986 Dec; 35(5):1202–9

Effect of frontal hypothalamic deafferentation on duration of breeding season and melatonin secretion in the ewe. Jackson GL, et al. **Biol Reprod** 1986 Dec;35(5):1277–88

Reproductive inhibition and serum prolactin concentrations in laboratory populations of the prairie deermouse. Kirkland LE, et al. **Biol Reprod** 1986 Oct;35(3):579–86

The influence of prenatal and postnatal fraternity size on reproduction in mice. Kirkpatrick BW, et al. **Biol Reprod** 1987 May;36(4):907–14

The relation of ovarian steroid levels in young female rats to subsequent estrous cyclicity and reproductive function during aging. Lapolt PS, et al. **Biol Reprod** 1986 Dec; 35(5):1131–9

Uptake of an oviductal antigen by the hamster zona pellucida. Léveillé MC, et al. **Biol Reprod** 1987 Feb;36(1):227–38

Reproductive refractoriness of the ewe to inductive photoperiod is not caused by inappropriate secretion of melatonin. Malpaux B, et al. **Biol Reprod** 1987 Jun; 36(5):1333–41

Changes in the hypothalamic–hypophyseal axis of mares associated with seasonal reproductive recrudescence. Silvia PJ, et al. **Biol Reprod** 1986 Nov;35(4):897–905

Replication in abstract and natural systems. Kampis G, et al. **Biosystems** 1987;20(2):143–52

Isospora (Toxoplasma) gondii: induction of sexuality. Cornelissen AW, et al. **Cell Biol Int Rep** 1986 Sep; 10(9):735–44

Effect of sibship position on reproductive behavior of couples after the birth of a genetically handicapped child. Steele MW, et al. **Clin Genet** 1986 Oct;30(4):328–34

Masculinity and femininity in early Renaissance treatises on human reproduction. Lemay HR. **Clio Med** 1983; 18(1–4):21–31

A comparison of energy substrates and reproductive patterns of two anurans. Acris crepitans and Bufo woodhousei. Long DR. **Comp Biochem Physiol [A]** 1987;87(1):81–91

Production and glycosylation of sperm constitutive proteins in the lizard Lacerta vivipara. Evolution during the reproductive period. Depeiges A, et al. **Comp Biochem Physiol [B]** 1987;86(2):233–40

The effect of feeding endophyte infected tall fescue seed on reproductive performance in female rats. Varney DR, et al. **Comp Biochem Physiol [C]** 1987;87(1):171–5

Autoimmune aspects of human reproduction. Shulman S. **Concepts Immunopathol** 1985;2:189–227 (156 ref.)

Reproductive patterns and child mortality in Guatemala. Pebley AR, et al. **Demography** 1987 Feb;24(1):43–60

Subsystems within the endocrine system [editorial] Grigorescu A. **Endocrinologie** 1986 Jul–Sep;24(3):229–31

Age factors potentiating drug toxicity in the reproductive axis. Walker RF. **Environ Health Perspect** 1986 Dec; 70:185–91

Experimental liver cirrhosis does not influence reproductive performance of female rats and development of hepatic biotransformation in their offspring. Glöckner R, et al. **Exp Pathol** 1987;31(1):53–7

The genetics of human reproduction. Chandley AC. **Experientia** 1986 Oct 15;42(10):1109–17 (147 ref.)

The influence of seasonal atmospheric factors on human reproduction. Miura T. **Experientia** 1987 Jan 15;43(1):48–54

Effects of the light–dark cycle and scheduled feeding on behavioral and reproductive rhythms of the cyprinodont fish, Medaka, Oryzias latipes. Weber DN, et al. **Experientia** 1987 Jun 15;43(6):621–4

New reproductive technologies: some legal dilemmas. Donovan P. **Fam Plann Perspect** 1986 Mar–Apr;18(2):57–60

Smoking and reproduction. Lincoln R. **Fam Plann Perspect** 1986 Mar–Apr;18(2):79–84 (71 ref.)

Reproductive performance of women with unicornuate uterus. Fedele L, et al. **Fertil Steril** 1987 Mar;47(3):416–9

Reproductive potential in the older woman. Gindoff PR, et al. **Fertil Steril** 1986 Dec;46(6):989–1001 (81 ref.)

Reproductive outcome after fimbrial evacuation of tubal pregnancy. Sherman D, et al. **Fertil Steril** 1987 Mar; 47(3):420–4

Smoking and reproduction. Stillman RJ, et al. **Fertil Steril** 1986 Oct;46(4):545–66 (121 ref.)

Seasonal changes in the annual reproductive cycle of the male wild mouse Mus platythrix Bennet. Suresh R, et al. **Folia Morphol (Praha)** 1986;34(3):230–7

Reproductive biology of Clarias gariepinus (syn. lazera) Burchel (Claridae) in Lake Manzalah, Egypt. I. Structure of the ovaries. Zaki MI, et al. **Folia Morphol (Praha)** 1986; 34(3):301–6

Reproductive biology of Clarias gariepinus (syn. lazera) Burchell (Claridae) in Lake Manzalah, Egypt. II. Structure of the testes. Zaki MI, et al. **Folia Morphol (Praha)** 1986; 34(3):307–13

Lifetime reproductive success in female Japanese macaques. Fedigan LM, et al. **Folia Primatol (Basel)** 1986; 47(2–3):143–57

Courtship and copulation in Tarsius bancanus. Wright PC, et al. **Folia Primatol (Basel)** 1986;46(3):142–8

Pituitary gland of the exotic carp, Carassius carassius Linn., with reference to the histocytology of the adenohypophysis in conjunction to male and female rhythms of reproduction. Bhatt SD, et al. **Gegenbaurs Morphol Jahrb** 1986; 132(5):737–50

Serum androgens during the annual reproductive cycle of the male mummichog, Fundulus heteroclitus. Cochran RC. **Gen Comp Endocrinol** 1987 Jan;65(1):141–8

Vitellogenesis in the lizard Lacerta vivipara jacquin. II. Vitellogenin synthesis during the reproductive cycle and its control by ovarian steroids. Gavaud J. **Gen Comp Endocrinol** 1986 Jul;63(1):11–23

Relationship between brain gonadotrophin–releasing hormone (GnRH) and seasonal reproductive cycle of "caribe colorado," Pygocentrus notatus.Gentile F, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):239–45

The endocrine control of reproduction and molt in male and female emperor (Aptenodytes forsteri) and adelie (Pygoscelis adeliae) penguins. II. Annual changes in plasma levels of thyroxine and triiodothyronine. Groscolas R, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):264–74

The endocrine control of reproduction and molt in male and female emperor (Aptenodytes forsteri) and adelie (Pygoscelis adeliae) penguins. I. Annual changes in plasma levels of gonadal steroids and LH. Groscolas R, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):43–53

Reproduction in the Mexican leaf frog, Pachymedusa dacnicolor. III. The female. Iela L, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):381–92

Gonadotropin surge during spawning in male goldfish. Kobayashi M, et al. **Gen Comp Endocrinol** 1986 Apr; 62(1):70–9

Endocrine changes associated with spawning behavior and social stimuli in a wild population of rainbow trout (Salmo gairdneri). II. Females. Liley NR, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):157–67

Endocrine changes associated with spawning behavior and social stimuli in a wild population of rainbow trout (Salmo gairdneri). I. Males. Liley NR, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):145–56

Endocrine profiles in the males of a twice–annually spawning strain of rainbow trout, Salmo gairdneri. Lou SW, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):212–9

Reproduction in the Mexican leaf frog, Pachymedusa dacnicolor. II. The male. Rastogi RK, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):23–35

Circadian control of photoperiodic responses in a female migratory bunting (Emberiza bruniceps). Tripathi BK. **Gen Comp Endocrinol** 1987 Jun;66(3):301–5

Morphological and endocrine correlates of the reproductive cycle of the aplacental viviparous dogfish, Squalus acanthias. Tsang PC, et al. **Gen Comp Endocrinol** 1987 May; 66(2):182–9

Accumulation of mutations in sexual and asexual populations. Pamilo P, et al. **Genet Res** 1987 Apr;49(2):135–46

Effect of crossbreeding on genetic improvement of growth and reproduction in pigs. Hale OM, et al. **Growth** 1986 Winter;50(4):526–36

Arylsulphatase activity and cerebroside sulphates in the frog oviduct during the reproductive cycle. Vitaioli L, et al. **Histochem J** 1987 Feb;19(2):85–93

Behavioral and endocrine correlates of multiple brooding in the semicolonial house sparrow Passer domesticus. II. Females. Hegner RE, et al. **Horm Behav** 1986 Sep; 20(3):313–26

Behavioral and endocrine correlates of multiple brooding in the semicolonial house sparrow Passer domesticus. I. Males. Hegner RE, et al. **Horm Behav** 1986 Sep;20(3):294–312

Endocrine events associated with spawning behavior in the sea lamprey (Petromyzon marinus). Linville JE, et al. **Horm Behav** 1987 Mar;21(1):105–17

Abstracts from the third meeting of the European Society of Human Reproduction and Embryology. **Hum Reprod** 1987;2 Suppl 1:iii–vi, 1–133

The child and/or the embryo. To whom does it belong? Geller S. **Hum Reprod** 1986 Dec;1(8):561–2

Reproductive technology and the law in Canada. Knoppers B. **Hum Reprod** 1986 Jun;1(4):259–61

Effect of long term feeding of tulsi(Ocimum sanctum Linn) on reproductive performance of adult albino rats. Khanna S, et al. **Indian J Exp Biol** 1986 May;24(5):302–4

Role of medial preoptic area (MPOA) in the reproductive function and feeding behavior in rats. Mascarenhas JF. **Indian J Physiol Pharmacol** 1986 Jul–Sep;30(3):232–40

Health and reproductive status of female workers in dry cleaning shops. Bosco MG, et al. **Int Arch Occup Environ Health** 1987;59(3):295–301

Generic drugs in reproductive medicine: is the value anticipated the value obtained? Keith LG, et al. **Int J Fertil** 1987 Jul–Aug;32(4):268–78

The reproductive performance of women before and after metroplasty. Spirtos NJ, et al. **Int J Fertil** 1987 Jan–Feb; 32(1):46–9

Normal reproductive development in the adolescent female. Moscicki AB, et al. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):41S–64S (115 ref.)

XVII Biennial Symposium on Animal Reproduction. Factors affecting survival and function of the corpus luteum in livestock. August 13, 1985, Athens, Georgia. **J Anim Sci** 1986;62 Suppl 2:1–111

Reproductive physiology: from a distinguished past to a promising future. Amoroso EC. **J Anim Sci** 1968;27 Suppl 1:214–22

Evolution of knowledge in reproductive physiology. Cole HH. **J Anim Sci** 1972;34 Suppl 1:80–5

Effect of active immunization against LHRH or LH in boars: reproductive consequences and performance traits. Falvo RE, et al. **J Anim Sci** 1986 Sep;63(3):986–94

Light and other environmental factors affecting avian reproduction. Farner DS, et al. **J Anim Sci** 1966;25 Suppl:90–118 (184 ref.)

Serum total and HDL cholesterols according to reproductive status in Japanese females. Shibata H, et al. **J Chronic Dis** 1987;40(3):209–13

Reproduction in the vervet monkey (Cercopithecus aethiops): endometrial oestrogen and progestin receptor dynamics during normal and prolonged menstrual cycles. Kudolo GB, et al. **J Endocrinol** 1986 Sep;110(3):429–39

A quantitative study of steroid bioconversions in the testis of the African catfish, Clarias gariepinus (Burchell), under natural spawning and natural and cultivated non-spawning conditions. Schoonen WG, et al. **J Endocrinol** 1987 Feb; 112(2):323–32

Control theory predictions of reproductive allocation in female dusky salamanders. Hom CL. **J Math Biol** 1987; 25(3):289–306

Adequacy of chemically defined, water-soluble diet for germfree BALB/c mice through successive generations and litters. Pleasants JR, et al. **J Nutr** 1986 Oct; 116(10):1949–64

Seasonal differences in function of the hypothalamic–hypophysial–ovarian axis in weaned primiparous sows. Armstrong JD, et al. **J Reprod Fertil** 1986 Sep;78(1):11–20

Annual cycle of liveweight and reproductive changes of farmed male fallow deer (Dama dama) and the effect of daily oral administration of melatonin in summer on the attainment of seasonal fertility. Asher GW, et al. **J Reprod Fertil** 1987 Mar;79(2):353–62

The onset of seasonal quiescence in the female Bennett's wallaby (Macropus rufogriseus rufogriseus). Curlewis JD, et al. **J Reprod Fertil** 1987 May;80(1):119–24

Changes in LH pulse frequency and amplitude in intact mares during the transition into the breeding season. Fitzgerald BP, et al. **J Reprod Fertil** 1987 Mar;79(2):485–93

Effects of reciprocal ovary transplantation on reproductive performance of lethal yellow mice (Ay/a; C57BL/6J). Granholm NH, et al. **J Reprod Fertil** 1986 Nov; 78(2):749–53

Seasonal reproduction in ewes selected on seasonal changes in wool growth. Montgomery GW, et al. **J Reprod Fertil** 1987 Jan;79(1):207–13

Prolonged receptivity to the male and the fate of spermatozoa in the female black mastiff bat, Molossus ater. Rasweiler JJ 4th. **J Reprod Fertil** 1987 Mar;79(2):643–54

Reproduction in domestic ruminants. Proceedings of the second international symposium. Ithaca, New York, U.S.A., 8–11 July 1987. **J Reprod Fertil [Suppl]** 1987; 34:1–291

Author and subject indexes. Volumes 58–72. Supplements 28–32. 1980–1984. **J Reprod Fertil [Suppl]** 1986;:1–143

Short light cycles induce persistent reproductive activity in Ile-de-France rams. Pelletier J, et al. **J Reprod Fertil [Suppl]** 1987;34:215–26 (36 ref.)

Reduction of fertility in female rabbits and mice actively immunized with a germ cell antigen (GA-1) from the rabbit. Naz RK, et al. **J Reprod Immunol** 1986 Nov; 9(3):163–73

Epidemiologic study of Holstein dairy cow performance and reproduction near a high-voltage direct-current powerline. Martin FB, et al. **J Toxicol Environ Health** 1986; 19(3):303–24

Long-term data on the reproduction and maintenance of a colony of common marmosets (Callithrix jacchus jacchus) 1972–1983. Box HO, et al. **Lab Anim** 1987 Jul;21(3):249–60

Hyperglycemia and reproductive defects in non-diabetic gravidas: a mouse model test of a new theory. Hamel EE, et al. **Life Sci** 1986 Oct 20;39(16):1425–8

Childbearing patterns among Puerto Rican Hispanics in New York City and Puerto Rico. **MMWR** 1987 Jan 30;36(3):34, 39–41

Hypothalamic control of reproductive function: ontogenetic aspects. Sandow J. **Monogr Neural Sci** 1986;12:79–89 (54 ref.)

Gonadotropin-releasing hormone: role of pulsatile secretion in the regulation of reproduction. Marshall JC, et al. **N Engl J Med** 1986 Dec 4;315(23):1459–68 (86 ref.)

Engineering a molecular nightmare. Chargaff E. **Nature** 1987 May 21–27;327(6119):199–200

Science the only hope? [letter] Racker E. **Nature** 1987 Sep 10–16;329(6135):100

Reproductive failure in common seals feeding on fish from polluted coastal waters [published erratum appears in Nature 1986 Dec 4–10;324(6096):418] Reijnders PJ. **Nature** 1986 Dec 4–10;324(6096):456–7

Female reproductive function and sexually dimorphic prolactin secretion in rats with lesions in the medial preoptic–anterior hypothalamic continuum. Jakubowski M, et al. **Neuroendocrinology** 1986;43(6):696–705

Role of the pineal gland and melatonin in seasonal reproductive function in mammals. Arendt J. **Oxf Rev Reprod Biol** 1986;8:266–320 (230 ref.)

The reproductive biology of prolific sheep breeds. Bindon BM, et al. **Oxf Rev Reprod Biol** 1986;8:414–51 (119 ref.)

Sexual aspects in paraplegic patients. Francois N, et al. **Paraplegia** 1987 Jun;25(3):289–92

Hormonal control of calcium metabolism during the reproductive cycle in mammals. Garel JM. **Physiol Rev** 1987 Jan;67(1):1–66 (353 ref.)

Lighting and sex ratio for breeding ringnecked pheasants in confined housing. Bates DP, et al. **Poult Sci** 1987 Apr; 66(4):605–12

Behavioral facilitation of reproduction in sexual and unisexual whiptail lizards. Crews D, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9547–50

Voluntary food intake and reproduction. Forbes JM. **Proc Nutr Soc** 1987 Jul;46(2):193–201 (53 ref.)

Reproductive and developmental toxicology in nonhuman primates. Hendrickx AG, et al. **Prog Clin Biol Res** 1987; 235:73–88

Ideas about sexual reproduction. "Gametes and spores: ideas about sexual reproduction 1750–1914." By J. Farley. Essay review. Olby RC. **Pubbl Stn Zool Napoli [II]** 1986; 8(1):99–105

The mammalian GnRH gene and its pivotal role in reproduction. Seeburg PH, et al. **Recent Prog Horm Res** 1987;43:69–98 (41 ref.)

Dietary alpha-linolenic acid deficiency in the rat. I. Effects on reproduction and postnatal growth. Guesnet P, et al. **Reprod Nutr Dev** 1986;26(4):969–85

Reproductive problems in the workplace. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):361–539

Reproduction, women, and the workplace: legal issues. Bertin JE. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):497–507 (38 ref.)

Ethical aspects of reproductive health in the workplace. Brandt-Rauf PW, et al. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):509–15 (31 ref.)

Work and reproduction: sociologic context. Susser I. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):517–30 (26 ref.)

The interdependence of mating structure and inbreeding depression. Campbell RB. **Theor Popul Biol** 1986 Oct; 30(2):232–44

[Role of the ovarian nerves in reproductive function] Zhang Q. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):229–33 (39 ref.) **(Chi)**

[Reproduction research in domestic animals in the Netherlands 1987–1991] Kruip TA, et al. **Tijdschr Diergeneeskd** 1986 Nov 15;111(22):1128–33 **(Dut)**

[The badger (Meles meles) in the Netherlands: veterinary assistance for an endangered animal species] Lumeij JT, et al. **Tijdschr Diergeneeskd** 1987 May 15;112(10):605–7 **(Dut)**

["Artificial" or "assisted" procreation? (editorial)] Mozziconacci P. **Ann Pediatr (Paris)** 1986 Dec; 33(10):869–70 **(Fre)**

[Reproductive cycle of the selachian fishes] Capapé C. **Arch Inst Pasteur Tunis** 1986 Jun–Sep;63(2–3):247–75 (Eng. Abstr.) **(Fre)**

[Immunologic aspects of sterility and infertility] Mettler L. **Immun Infekt** 1987 Apr;15(2):41–55 (76 ref.) (Eng. Abstr.) **(Ger)**

[Relation between demographic reproduction and development of the population] Strohbach E. **Z Gesamte Hyg** 1987 Mar;33(3):161–2 (Eng. Abstr.) **(Ger)**

[Significance of early pregnancy factor (EPF) on reproductive immunology] Igarashi S. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):189–94 (Eng. Abstr.) **(Jpn)**

[Nonspecific resistance factors of the reproductive system in the human female] Nazarov VG. **Akush Ginekol (Mosk)** 1987 Mar;(3):6–9 (55 ref.) **(Rus)**

[Reproductive disorders in women with hyperandrogenism of varying origin] Raisova AT, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):3–6 (72 ref.) **(Rus)**

[Neuroendocrine functional regulation of the reproductive system] Tumilovich LG. **Akush Ginekol (Mosk)** 1987 Mar; (3):3–6 (59 ref.) **(Rus)**

[Realization of reproductive function and hormonally active ovarian tumors] Adamian RT. **Vopr Onkol** 1987;33(4):57–9 (Eng. Abstr.) **(Rus)**

[The role of Gomori-positive hypothalamo-hypophyseal neurosecretory system in the regulation of reproduction (comparative morphological and ecologo-histophysiological analysis)] Polenov AL. **Zh Evol Biokhim Fiziol** 1986 Jul–Aug;22(4):406–18 **(Rus)**

[Intensity of Norway rat reproduction in colonies of various densities] Kozlov AN. **Zh Obshch Biol** 1987 Jan–Feb; 48(1):115–23 (Eng. Abstr.) **(Rus)**

[Effect of the social rank of males on the reproductive function of mice] Renne U, et al. **Zh Obshch Biol** 1987 Jan–Feb;48(1):72–6 (Eng. Abstr.) **(Rus)**

[Prostaglandins in reproductive processes] Silhy Sesin EK. **Ginecol Obstet Mex** 1986 Dec;54:317–22 (Eng. Abstr.) **(Spa)**

[Immunology of reproduction. Maternal influence on the recognition of proper histocompatibility antigens] Piazzon I. **Medicina (B Aires)** 1986;46(5):625–32 **(Spa)**

DRUG EFFECTS

Effect of waste anesthetic gas and vapor exposure on reproductive outcome in veterinary personnel. Johnson JA, et al. **Am Ind Hyg Assoc J** 1987 Jan;48(1):62–6

Regulation and the use of "negative" results from human reproductive studies: the case of ethylene dibromide. Dobbins JG. **Am J Ind Med** 1987;12(1):33–45

Experimental and clinical studies on the reproductive toxicology of 2,3,7,8-tetrachlorodibenzo-p-dioxin. Silbergeld EK, et al. **Am J Ind Med** 1987;11(2):131–44 (78 ref.)

Reproductive and teratogenic effects of lidocaine in Sprague-Dawley rats. Fujinaga M, et al. **Anesthesiology** 1986 Dec;65(6):626–32

Environmental agents and birth outcomes. Stellman JM. **Ann NY Acad Sci** 1986;477:116–22 (12 ref.)

Effect of adult mallard age on avian reproductive tests. Gile JD, et al. **Arch Environ Contam Toxicol** 1986 Nov; 15(6):751–5

Effects of chronic polychlorinated biphenyls exposure on reproductive success of white-footed mice (Peromyscus leucopus). Linzey AV. **Arch Environ Contam Toxicol** 1987 Jul;16(4):455–60

Mallard reproductive testing in a pond environment: a preliminary study. Meyers SM, et al. **Arch Environ Contam Toxicol** 1986 Nov;15(6):757–61

Reproductive toxicity in female mice of dioxin-contaminated soils from a 2,4,5-trichlorophenoxyacetic acid manufacturing site. Umbreit TH, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):461–6

The effects of polychlorinated biphenyls and methylmercury, singly and in combination on mink. II: Reproduction and kit development. Wren CD, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):449–54

Reproductive toxicity of acrylamide and related compounds in mice—effects on fertility and sperm morphology. Sakamoto J, et al. **Arch Toxicol** 1986 Dec;59(4):201–5

Peri- and postnatal, teratology and reproductive studies of a low molecular weight heparin in rats. Bertoli D, et al. **Arzneimittelforschung** 1986 Aug;36(8):1260–3

Reproductive toxicity studies of rentiapril. Cozens DD, et al. **Arzneimittelforschung** 1987 Feb;37(2):164–9

Reproductive toxicological investigations with sennosides. Mengs U. **Arzneimittelforschung** 1986 Sep;36(9):1355–8

Reproductive toxicity of ofloxacin. Takayama S, et al. **Arzneimittelforschung** 1986 Aug;36(8):1244–8

Effect of 6-methoxybenzoxazolinone on sex ratio and breeding performance in Microtus montanus. Berger PJ, et al. **Biol Reprod** 1987 Mar;36(2):255–60

Age-related changes in testicular development and reproductive endocrinology associated with aflatoxicosis in the male chicken. Clarke RN, et al. **Biol Reprod** 1987 Feb;36(1):117–24

Use of captive starlings to determine effects of environmental contaminants on passerine reproduction: pen characteristics and nestling food requirements. Grue CE, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):655–63

Diet and reproductive success of bluegill recovered from experimental ponds treated with atrazine. Kettle WD, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):47–52

Oral administration of a water extract of Phytolacca

dodecandra l'herit in mice--effects on reproduction. Mamo E, et al. **Contraception** 1987 Feb;35(2):155–61

Reproductive and developmental toxicology--identifying hazards and estimating risks. Tanimura T. **Dev Toxicol Environ Sci** 1986;12:17–23 (23 ref.)

Pesticide-induced changes in peripheral thyroid hormone levels during different reproductive phases in Heteropneustes fossilis. Yadav AK, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):97–103

Symposium: Mechanisms of Reproductive and Developmental Toxicology. April 1, 1986, Swedeland, PA. Proceedings. **Environ Health Perspect** 1986 Dec;70:85–191

Reproductive effects of alternative disinfectants. Carlton BD, et al. **Environ Health Perspect** 1986 Nov;69:237–41

Pituitary function following treatment with reproductive toxins. Cooper RL, et al. **Environ Health Perspect** 1986 Dec;70:177–84

Advantages of using aquatic animals for biomedical research on reproductive toxicology. Mottet NK, et al. **Environ Health Perspect** 1987 Apr;71:69–75 (43 ref.)

Methyl isocyanate: reproductive and developmental toxicology studies in Swiss mice. Schwetz BA, et al. **Environ Health Perspect** 1987 Jun;72:149–52

Reproductive toxicology of disinfection by-products. Smith MK, et al. **Environ Health Perspect** 1986 Nov;69:177–82 (32 ref.)

Sodium chlorite administration in Long-Evans rats: reproductive and endocrine effects. Carlton BD, et al. **Environ Res** 1987 Feb;42(1):238–45

Reproductive functions in the adult male rats after prolonged intraventricular administration of corticotropin-releasing factor (CRF). Miśkowiak B, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):25–30

Dibromochloropropane (DBCP): an 8-year reevaluation of testicular function and reproductive performance. Potashnik G, et al. **Fertil Steril** 1987 Feb;47(2):317–23

Drug abuse and reproduction. Smith CG, et al. **Fertil Steril** 1987 Sep;48(3):355–73 (153 ref.)

A two-generation reproductive and developmental toxicity study of sucrose polyester. Nolen GA, et al. **Food Chem Toxicol** 1987 Jan;25(1):1–8

Assessment of procedures for screening agents for effects on male reproduction: effects of dibromochloropropane (DBCP) on the rat. Amann RP, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):244–55

Studies on reproduction in rats with pirmenol, an antiarrhythmic agent. Anderson JA, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):221–7

Three-generation reproduction and dominant lethal mutagenesis studies of ethylene glycol in the rat. DePass LR, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):566–72

Reproduction and fertility evaluations in CD rats following nitrobenzene inhalation. Dodd DE, et al. **Fundam Appl Toxicol** 1987 May;8(4):493–505

Experimental studies on reproduction with the lipid-regulating agent gemfibrozil. Fitzgerald JE, et al. **Fundam Appl Toxicol** 1987 May;8(4):454–64

Reproduction and growth following prenatal methylmercuric chloride exposure in mice. Gates AH, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):486–93

Developmental changes induced by glucocorticoids treatment in breeder quail (Coturnix coturnix japonica). de la Cruz LF, et al. **Horm Metab Res** 1987 Mar;19(3):101–4

Reproduction during initial stages of puberty in neonatally androgenised rats. Shanbhag AB, et al. **Indian J Exp Biol** 1986 Apr;24(4):217–23

Antimitotic drugs (cyclophosphamide and vinblastine) in the male rat. Deaths and behavioral abnormalities in the offspring. Auroux MR, et al. **J Androl** 1986 Nov-Dec; 7(6):378–86

Reproductive and endocrine gonadal capacity in patients treated with COPP chemotherapy for Hodgkin's disease. Kreuser ED, et al. **J Cancer Res Clin Oncol** 1987; 113(3):260–6

Reproductive performance of lactating Holstein cows fed supplemental beta-carotene. Akordor FY, et al. **J Dairy Sci** 1986 Aug;69(8):2173–8

Exogenous GnRH overrides the endogenous annual reproductive rhythm in green iguanas, Iguana iguana. Phillips JA, et al. **J Exp Zool** 1987 Feb;241(2):227–36

The dose-response fallacy in human reproductive studies of toxic exposures. Selevan SG, et al. **J Occup Med** 1987 May; 29(5):451–4

Some effects of epidermal growth factor on reproductive function in Merino sheep. Radford HM, et al. **J Reprod Fertil** 1987 May;80(1):113–8

Age-related dose response of selected reproductive parameters to acute cadmium chloride exposure in the male Long-Evans rat. Laskey JW, et al. **J Toxicol Environ Health** 1986;19(3):393–401

Reproductive toxicity of methyl isocyanate in mice. Varma DR, et al. **J Toxicol Environ Health** 1987;21(3):265–75

The effects of aluminium ingestion on reproduction and postnatal survival in rats. Domingo JL, et al. **Life Sci** 1987 Aug 31;41(9):1127–31

Tests for urethane induction of germ-cell mutations and germ-cell killing in the mouse. Russell LB, et al. **Mutat Res** 1987 Aug;188(4):335–42

Reproductive behavior of female rats treated with ethanol on postnatal days 1–7 or 8–14. Sonderegger TB, et al. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):415–9

Alcohol and reproductive function: a review. Hadi HA, et al. **Obstet Gynecol Surv** 1987 Feb;42(2):69–74 (57 ref.)

A two-generation reproduction-fertility study of cyanamide in the rat. Vallès J, et al. **Pharmacol Toxicol** 1987 Jul; 61(1):20–5

Induction of precocious development of reproductive function in cockerels by tamoxifen administration. Rozenboim I, et al. **Poult Sci** 1986 Oct;65(10):1980–3

Solvent effects on reproduction: experimental toxicity. Ungváry G. **Prog Clin Biol Res** 1986;220:169–77

Contrasting effects of fatty acids on oocyte maturation in several starfish species. Meijer L, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):179–84

Evaluation of the nitrate drinking water standard with reference to infant methemoglobinemia and potential reproductive toxicity. Fan AM, et al. **Regul Toxicol Pharmacol** 1987 Jun;7(2):135–48 (68 ref.)

Influence of zopiclone on male reproductivity in rats. Umemura T, et al. **Res Commun Chem Pathol Pharmacol** 1987 May; 56(2):165–84

Caffeine and human reproduction. James JE, et al. **Rev Environ Health** 1985;5(2):151–67 (61 ref.)

Reproduction and the workplace: an industry perspective. Logan DC. **State Art Rev Occup Med** 1986 Jul-Sep; 1(3):473–81 (7 ref.)

Reproductive hazards in the microelectronics industry. Rudolph L, et al. **State Art Rev Occup Med** 1986 Jan-Mar; 1(1):135–43 (11 ref.)

Linking data to study reproductive effects of occupational exposures. Selevan SG, et al. **State Art Rev Occup Med** 1986 Jul-Sep;1(3):445–55 (59 ref.)

Environmental and direct measures of exposure. Valanis B. **State Art Rev Occup Med** 1986 Jul-Sep;1(3):431–44 (32 ref.)

Male reproductive hazards. Whorton MD. **State Art Rev Occup Med** 1986 Jul-Sep;1(3):375–9 (10 ref.)

Short-term developmental toxicity testing: considerations in the validation process. Kimmel GL. **Teratogenesis Carcinog Mutagen** 1987;7(1):1–6

Reproductive and teratogenic effects of fentanyl in Sprague-Dawley rats. Fujinaga M, et al. **Teratology** 1986 Aug;34(1):51–7

Reproductive effects of four phthalic acid esters in the mouse. Lamb JC 4th, et al. **Toxicol Appl Pharmacol** 1987 Apr; 88(2):255–69

Reproductive risks of benzene: need for additional study. Davis DL, et al. **Toxicol Ind Health** 1986 Dec;2(4):445–51

Perspectives on reproductive and developmental toxicity. Johnson EM. **Toxicol Ind Health** 1986 Dec;2(4):453–82 (40 ref.)

Delayed development of reproductive functions and alteration of dopamine receptor binding in hypothalamus of rats exposed prenatally to phenytoin and phenobarbital. Takagi S, et al. **Toxicol Lett** 1986 Nov;34(1):107–13

Reproductive toxicology of methyldopa in male F344/N rats. Dunnick JK, et al. **Toxicology** 1986 Nov;41(3):305–18

Effect of tridiphane on reproductive parameters in Fischer 344 rats. John-Greene JA, et al. **Toxicology** 1987 Mar; 43(3):325–35

[Regulation of the reproductive functions of cows by hormonal preparations] Nikolov I, et al. **Vet Med Nauki** 1986;23(5):86–91 (Eng. Abstr.) **(Bul)**

[Effects of irradiated flour on C57Bl mice. IV. Effects on reproduction] Delcour-Firquet MP. **J Toxicol Clin Exp** 1986 May-Jun;6(3):157–73 (Eng. Abstr.) **(Fre)**

[Reproduction studies of VP 16-213 (I)--Oral administration to rats prior to and in the early stages of pregnancy] Takahashi N, et al. **J Toxicol Sci** 1986 Apr;11 Suppl 1:177–94 (Eng. Abstr.) **(Jpn)**

[Assessment of the reproductive function of white rats exposed to cephalexin by inhalation] Anufrieva RG, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):695–8 (Eng. Abstr.) **(Rus)**

[Effect of piracetam on rat reproductive function and the sexual development of their progeny] Terekhina AI, et al. **Farmakol Toksikol** 1987 May-Jun;50(3):69–70 (Eng. Abstr.) **(Rus)**

[The effect of chemical substances on reproduction] Vargová M, et al. **Bratisl Lek Listy** 1987 Feb;87(2):215–24 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

Reproduction of Japanese quail after microwave irradiation (2.45 GHz CW) during embryogeny. Gildersleeve RP, et al. **Bioelectromagnetics** 1987;8(1):9–21

Constant photoperiod regimes and the entrainment of the annual cycle of reproduction in the female rainbow trout (Salmo gairdneri). Duston J, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):373–84

Reproductive responsiveness to short photoperiod develops postnatally in male golden hamsters. Sisk CL, et al. **J Androl** 1987 Mar-Apr;8(2):91–6

Changes in the reproductive capacity of aging female mice after irradiation with different doses of X-ray. Lenarczyk M, et al. **Rocz Panstw Zakl Hig** 1986;37(3):244–8

REPRODUCTION, ASEXUAL see under **REPRODUCTION**

REPTILASE see under **PEPTIDE HYDROLASES**

REPTILES

Veterinary work with non-domesticated pets. IV. Lower vertebrates. Cooper JE. **Br Vet J** 1987 May-Jun; 143(3):193–202 (14 ref.)

Effects of VIP and related peptides and Gila monster venom on genitourinary smooth muscle. Blank MA, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):155–61

Osteomalacia in young captive crocodiles (Crocodylus niloticus). Huchzermeyer FW. **J S Afr Vet Assoc** 1986 Sep; 57(3):167–8

Scanning electron microscopy of early dinosaur egg shell structure: a comparison with other rigid sauropsid eggs. Grine FE, et al. **Scanning Microsc** 1987 Jun;1(2):615–30

[The reptile population south of Chott El Djerid] Nouira S, et al. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):553–66 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Somatostatin-containing and other endocrine cells in the pancreas of the spectacled caiman. Rhoten WB. **Acta Anat (Basel)** 1987;129(4):257–61

The ultrastructure of alligator conductive tissue: an electron microscopic study of the sino-atrial node. Koprla EC. **Acta Physiol Hung** 1987;69(1):71–84

Percentage of intrinsic and relay cells in a thalamic nucleus projecting to general cortex in reptiles, Caiman crocodilus. Pritz MB, et al. **Brain Res** 1987 Apr 14;409(1):146–50

Integration and dissociability in the development of specializations in Sauropsida. Slabý O. **Folia Morphol (Praha)** 1986;34(4):439–48

Baryonyx, a remarkable new theropod dinosaur. Charig AJ, et al. **Nature** 1986 Nov 27-Dec 3;324(6095):359–61

[Morphogenesis and phylogenesis of the middle ear of mammals: some considerations] Louryan S. **Rev Med Brux** 1987 Mar;8(3):141–4 (15 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Oxygen binding in alligator blood related to temperature, diving, and "alkaline tide".Weber RE, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R901–8

Plasma sex-steroid binding protein in a seasonally breeding reptile, Alligator mississippiensis. Ho SM, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):121–32

Putative thyroid hormone receptors in red blood cells of some reptiles. Wong CC, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):434–40

Effect of mammalian gonadotropins on testosterone secretion in male alligators. Lance VA, et al. **J Exp Zool** 1987 Jan; 241(1):91–4

GENETICS

Cytofluorometric DNA base determination in vertebrate species with different genome sizes. Capriglione T, et al. **Basic Appl Histochem** 1987;31(2):119–26

GROWTH & DEVELOPMENT

Cell death in the normal development of Gallotia galloti mesencephalon (Reptilia Lacertidae). An ultrastructural study. Monzon M, et al. **J Submicrosc Cytol** 1987 Jan; 19(1):71–6

IMMUNOLOGY

First International Symposium on the Immunology of Ectothermic Vertebrates. July 12–14, 1986, Rochester, New York. Abstracts. **Dev Comp Immunol** 1987 Spring; 11(2):435–64

METABOLISM

Quantitative immunocytochemical analysis of the endocrine pancreas of the Nile crocodile. Rhoten WB. **Am J Anat** 1987 Feb;178(2):103–15

Protein nutrition in the alligator. Coulson RA, et al. **Comp Biochem Physiol [A]** 1987;87(2):449–59

Aerobic and anaerobic glycolysis in mammals and reptiles in vivo. Coulson RA. **Comp Biochem Physiol [B]** 1987; 87(2):207–16 (26 ref.)

Structural and functional studies on insulin receptors from alligator brain and liver. Shemer J, et al. **Comp Biochem Physiol [B]** 1987;86(1):55–61

Glutamine synthetase in liver of the American alligator, Alligator mississippiensis. Smith DD Jr, et al. **Comp Biochem Physiol [B]** 1987;86(4):755–62

Sequence comparison of gamma-crystallins from the reptilian and other vertebrate species. Chiou SH, et al. **FEBS Lett** 1987 Aug 31;221(1):134–8

The enzyme lactate dehydrogenase as a structural protein in avian and crocodilian lenses. Wistow GJ, et al. **Nature** 1987 Apr 9–15;326(6113):622–4

PARASITOLOGY

Goussia-like coccidium in crocodiles [letter] Levine ND. **J Wildl Dis** 1987 Jul;23(3):442

Reptiles as intermediate and/or final hosts of Sarcosporidia. Matuschka FR. **Parasitol Res** 1987;73(1):22–32

PHYSIOLOGY

Decreased oxygen consumption after catecholamine-induced

glycolysis in the alligator. Coulson RA, et al. **Comp Biochem Physiol [A]** 1986;84(4):673–6
The kinetic properties and sensitivity to pyruvate inhibition of tissue lactate dehydrogenase in diving and nondiving reptiles. Baeyens DA. **Comp Biochem Physiol [B]** 1987; 86(2):259–64
Brain-stem auditory evoked potentials in the alligator. Effects of temperature and hypoxia. Strain GM, et al. **Electroencephalogr Clin Neurophysiol** 1987 Jul;67(1):68–76
Synchronized responses of primary auditory fibre-populations in Caiman crocodilus (L.) to single tones and clicks. Smolders JW, et al. **Hear Res** 1986;24(2):89–103
On the diversity of sperm basic proteins in the vertebrates: V. Cytochemical and amino acid analysis in Squamata, Testudines, and Crocodylia. Kasinsky HE, et al. **J Exp Zool** 1987 Jul;243(1):137–51
The liver of Testudo graeca (Chelonia). A comparative study of hibernating and non-hibernating animals. Ferrer C, et al. **J Submicrosc Cytol** 1987 Apr;19(2):275–82
Membrane and synaptic properties of identified neurons in the olfactory bulb. Mori K. **Prog Neurobiol** 1987; 29(3):275–320 (184 ref.)

RESCINNAMINE see under **RESERPINE**

RESEARCH

see related
INFORMATION SERVICES
OPERATIONS RESEARCH

Importance of research training in internal medicine. Lefebvre PJ. **Acta Clin Belg** 1987;42(2):112–8
Perceptions of the values and benefits of research. A report by an international study group. **Acta Psychiatr Scand [Suppl]** 1986;331:1–164
University-industry partnership in research. Schweigert BS. **Am J Clin Nutr** 1987 Jul;46(1 Suppl):229–31
Research: its relationship to higher education. Christiansen CH. **Am J Occup Ther** 1987 Feb;41(2):77–80
Teaching clinical research: what clinicians need to know. Goering P, et al. **Am J Orthopsychiatry** 1987 Jul; 57(3):418–23
Biomedical research. Hatch OG. **Am Psychol** 1987 Jun; 42(6):591–2
Pulmonary research: what topics? What costs? [editorial] Hurd SS, et al. **Am Rev Respir Dis** 1987 Mar;135(3):521–2
Future research in tuberculosis [letter] Orme IM. **Am Rev Respir Dis** 1987 Aug;136(2):525
Human rights and clinical research [letter] Harte FA. **Anesthesiology** 1987 Jul;67(1):143–5
Animal welfare and biomedical research [letter] Rackow H. **Anesthesiology** 1986 Oct;65(4):442–3
Organization of medical research around biomedical engineering [editorial] Kolff WJ. **Ann Biomed Eng** 1974 Sep;2(3):iii–v
Medico-dental research—the why and the wherefore. Mohammad AR. **Ann Dent** 1987 Summer;46(1):30–2
Teaching research in the emergency medicine residency curriculum. Jones J, et al. **Ann Emerg Med** 1987 Mar; 16(3):347–53
Meta-analysis in clinical research. L'Abbé KA, et al. **Ann Intern Med** 1987 Aug;107(2):224–33 (73 ref.)
Volume: papers and academic promotion [editorial] Stossel TP. **Ann Intern Med** 1987 Jan;106(1):146–9
Analytical electron microscopy in the study of biological systems. Johnson DE. **Ann NY Acad Sci** 1986;483:241–4
The usefulness of the high voltage electron microscope in biomedical ultrastructure analysis. Parsons DF. **Ann NY Acad Sci** 1986;483:157–60
International nursing research. Meleis AI. **Annu Rev Nurs Res** 1987;5:205–27 (79 ref.)
Research testing nursing theory: state of the art [published erratum appears in ANS 1987 Jan;9(2):ix] Silva MC. **ANS** 1986 Oct;9(1):1–11
Perioperative nursing research. A study of priorities. Marchette L, et al. **AORN J** 1986 Sep;44(3):387–94
Career, research involvement, and research fellowship plans of potential psychiatrists. Haviland MG, et al. **Arch Gen Psychiatry** 1987 May;44(5):493–6
Plagiarism and fraud [editorial] Ludbrook J. **Aust NZ J Surg** 1986 Oct;56(10):741–2
Nonlogical factors in research: chance and serendipity. Rothstein A. **Biochem Cell Biol** 1986 Nov;64(11):1055–65
What future for tropical disease research? Luzzatto L, et al. **Bioessays** 1985 Dec;3(6):243–4
Types of moral argument against embryo research . Williams B. **Bioessays** 1987 Jun;6(6):282–5
The London Hospital Medical College Dental School research profile. **Br Dent J** 1987 Jul 25;163(2):57–8
University of Bristol Dental School research profile. **Br Dent J** 1987 Jan 24;162(2):82–3
Does psychiatric research need training? [editorial] Shiwach RH, et al. **Br J Hosp Med** 1986 Jul;36(1):11
Ethics committees and research in children [editorial] Robinson RJ. **Br Med J [Clin Res]** 1987 May 16; 294(6582):1243–4
Research (as a career) in child and adolescent psychiatry. Campbell M. **Bull NY Acad Med** 1987 May;63(4):357–62
Challenges and opportunities of clinicopathological investigation in longitudinal studies of Alzheimer's disease. Ball MJ. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):452–5
The future of molecular medicine and clinical research. An international symposium in honor of Dr Jacques Genest. **Clin Invest Med** 1986 Nov;9(4):255–339
Biomedical research in Great Britain. Booth CC. **Clin Invest Med** 1986 Nov;9(4):261–4
The future of experimental biology in medical research. de Duve C. **Clin Invest Med** 1986 Nov;9(4):293–5
Research on addictive behavior. Dole VP. **Clin Invest Med** 1986 Nov;9(4):290–2
Modern concept of the organization of clinical research. Genest J. **Clin Invest Med** 1986 Nov;9(4):256–60
Academic research and industry relationships. Ross RS. **Clin Invest Med** 1986 Nov;9(4):269–72
Ethics in clinical research and clinical practice. Roy DJ. **Clin Invest Med** 1986 Nov;9(4):283–9
The role of government support in biomedical research. Wyngaarden JB. **Clin Invest Med** 1986 Nov;9(4):265–8
Managing research data with self-documenting files. Starmer CF, et al. **Comput Biomed Res** 1987 Jun;20(3):264–78
The academic role and scholarship. Davies TC. **Fam Med** 1986 May-Jun;18(3):166–7
A comprehensive research program for family medicine residents. Holloway RL, et al. **Fam Med** 1986 May-Jun; 18(3):133–5
Naturalistic inquiry: an appropriate model for family medicine. Kuzel AJ. **Fam Med** 1986 Nov-Dec;18(6):369–74
Informed consent and medical research [letter] Borchgrevink CF. **Fam Pract** 1987 Mar;4(1):78–80
Needed in science—blacks and Hispanics [letter] Pickett BH. **Fed Proc** 1987 Jun;46(8):2472
Who should profit from the business of science? Public money, private gain, profit for all. Lomasky LE. **Hastings Cent Rep** 1987 Jun;17(3):5–7
Networking and working with a mentor: keys to eliciting support for clinical research as a staff nurse [editorial] Lough ME. **Heart Lung** 1986 Sep;15(5):525–7
Council of Europe, Parliamentary Assembly. Joint hearing of the Legal Affairs Committee, the Sub-Committee on Bio-Ethics of the Committee on Social and Health Questions, and the Committee on Science and Technology. Parliamentary hearing on the use of human embryos for therapeutic, scientific, industrial and commercial purposes (Paris, 4th March, 1986. **Hum Reprod** 1986 Nov;1(7):463–91
Responses to nine questions concerning research on human embryos. **Hum Reprod** 1986 Jun;1(4):263–9
The Burnetian legacy: scientists as citizens. Nossal GJ. **Immunol Cell Biol** 1987 Feb;65 (Pt 1):1–9
Worker participation in occupational health research: theory and practice. Mergler D. **Int J Health Serv** 1987; 17(1):151–67
Nursing research centers: a survey of their prevalence, functions and school characteristics. Dienemann J. **Int J Nurs Stud** 1987;24(1):35–44
Faculty research productivity: the chairman's dilemma [editorial] Keats, TE. **Invest Radiol** 1986 Dec;21(12):945
A piece of the action [editorial]. Maynard D. **Invest Radiol** 1986 Dec;21(12):944
Research protocol review for animal welfare. Orlans FB. **Invest Radiol** 1987 Mar;22(3):253–8
University of Iowa plays crucial role in Alzheimer's research. Damasio A. **Iowa Med** 1986 Oct;76(10):458–60
The process of translating research findings into nursing practice. Hunt M. **J Adv Nurs** 1987 Jan;12(1):101–10
Research and the mission of schools of allied health. Covey PC, et al. **J Allied Health** 1987 Feb;16(1):1–5
Oral health during the nineties. Future research on oral diseases. Loe H. **J Am Coll Dent** 1987 Spring;54(1):4–7
Proceedings from The Leading Edge in Nutrition Education: Research Enhancing Practice. September 1986, Chicago, Illinois. **J Am Diet Assoc** 1987 Sep;87(9 Suppl):S1–82
Taking the next step: clinical research in the long-term care facility [editorial] Hazzard WR. **J Am Geriatr Soc** 1987 Feb;35(2):174–5
Clinical research in osteopathic medicine. D'Alonzo GE. **J Am Osteopath Assoc** 1987 Jun;87(6):440–5
Basic science research. Davis RH. **J Am Podiatr Med Assoc** 1987 Aug;77(8):389–90
Orientation of veterinarians toward research [letter] Loew FM. **J Am Vet Med Assoc** 1987 Jan 1;190(1):6
Careers in academia: teaching and research in the basic sciences. Smith BB. **J Am Vet Med Assoc** 1987 Jul 15; 191(2):188–90
How to produce a research report with ease and elegence (or how to publish and not perish in the process). Schick R. **J Assoc Off Anal Chem** 1986 Sep-Oct;69(5):745–6
JAPI as a mirror of research and medical journalism in India. Sogani RK. **J Assoc Physicians India** 1986 May;34(5):317–9
The impact of dental research on dental practice. Mjör IA. **J Dent Res** 1986 Oct;65(10):1194–5
The International Association for Dental Research: a vision of the future. Page RC. **J Dent Res** 1987 Jul;66(7):1206–9
Research in epidemiology and community health in the medical curr[illegible]m: students' opinions of the Nottingham experienc[illegible] JM, et al. **J Epidemiol Community Health** 1986 Sep;40(3):232–5
Annotated bibliography: interdisciplinary research. Dittus RS. **J Gen Intern Med** 1986 May-Jun;1(3):204–6
Using medical databases for clinical research. Goldman L, et al. **J Gen Intern Med** 1986 Jul-Aug;1(4 Suppl):S25–30
Research on human embryos—a justification. Brown J. **J Med Ethics** 1986 Dec;12(4):201–6
Translating research into practice. King IM. **J Neurosci Nurs** 1987 Feb;19(1):44–8
Increasing the cost-effectiveness of research in clinical settings. Cronenwett LR. **J Nurs Adm** 1987 May;17(5):4–5
Research utilization in a practice setting. Cronenwett LR. **J Nurs Adm** 1987 Jul-Aug;17(7–8):10–1
Research and the staff nurse: troublesome issues. Cronenwett LR. **J Nurs Adm** 1986 Nov;16(11):7–8
Research challenges and programs for practice settings. Hinshaw AS, et al. **J Nurs Adm** 1987 Jul-Aug;17(7–8):20–6
Analyses of statistical analysis [editorial] Garfunkel JM. **J Pediatr** 1986 Nov;109(5):827
The dean's research support function and minimizing "performance gap"Felton G. **J Prof Nurs** 1985 May-Jun; 1(3):125
A research center in a college of nursing: what is it? Felton G. **J Prof Nurs** 1985 Nov-Dec;1(6):325, 385
The National Center for Nursing Research. Felton G. **J Prof Nurs** 1986 Nov-Dec;2(6):336, 391
Promoting research among baccalaureate program faculty members: a success story. Gioiella EC. **J Prof Nurs** 1985 Sep-Oct;1(5):258, 317
Endowed research chairs: perceptions from other disciplines and implications for the nursing scientific community. McNeely JB, et al. **J Prof Nurs** 1987 Mar-Apr;3(2):114–7
The role of the nursing administrators in the facilitation of research. Murtha R. **J Prof Nurs** 1985 May-Jun;1(3):129
Research utilization: a special challenge for nursing faculty. Williams CA. **J Prof Nurs** 1987 May-Jun;3(3):133
Confidentiality and the use of medical records for research [editorial] Knox EG. **J R Coll Physicians Lond** 1986 Oct; 20(4):234
Role of research in the rapprochement between conventional medicine and complementary therapies: discussion paper. Tonkin RD. **J R Soc Med** 1987 Jun;80(6):361–3
Are all significant P values created equal? The analogy between diagnostic tests and clinical research. Browner WS, et al. **JAMA** 1987 May 8;257(18):2459–63
The scientists' campaign against the Strategic Defense Initiative. Kogut JB. **JAMA** 1987 Aug 7;258(5):658–60
The physician's stake in animal research [letter] Odell R Jr. **JAMA** 1986 Dec 26;256(24):3347–8
Research on healthy volunteers [editorial] **Lancet** 1986 Oct 18;2(8512):900–1
Research on human embryos [editorial] **Lancet** 1986 Dec 13; 2(8520):1375
Why do research on research? [published erratum appears in Lancet 1986 Oct 18;2(8512):932] Anderson J, et al. **Lancet** 1986 Oct 4;2(8510):799–802
Systematic documentation of practice. Haller KB. **MCN** 1987 Mar-Apr;12(2):152
Readying research for practice. Haller KB. **MCN** 1987 May-Jun;12(3):226
Sharing research data [editorial] Neuhauser D. **Med Care** 1986 Oct;24(10):879–80
Human knowledge, scientific research and dreaming. Elomaa E. **Med Hypotheses** 1986 Nov;21(3):293–7
The International Agency for Research on Cancer experience in the evaluation of the carcinogenic risk to humans. Simonato L, et al. **Med Lav** 1986 Jul-Aug;77(4):323–9
Toward liberal guidelines for clinical research with children. Laor N. **Med Law** 1987;6(2):127–37
Research and development on total artificial heart in University of Tokyo. Atsumi K, et al. **Med Prog Technol** 1987;12(1–2):5–16
Cost containment and the CPC [letter] Olson-Garewal JK. **N Engl J Med** 1986 Nov 13;315(20):1297–8
Informed consent by proxy. An issue in research with elderly patients. Warren JW, et al. **N Engl J Med** 1986 Oct 30; 315(18):1124–8
Fraud versus carelessness [letter] **Nature** 1987 Apr 23–29; 326(6115):736
Ensuring scientific integrity [letter] **Nature** 1987 Jun 18–24; 327(6123):550
New research machinery needed. **Nature** 1987 Jul 16–22; 328(6127):187
Fire without smoke [news] **Nature** 1986 Nov 20–26; 324(6094):196
AIDS workers back on speaking terms [news] Anderson A. **Nature** 1987 Jul 9–15;328(6126):102
AIDS research queried. Skulduggery at the lab bench [news] Beardsley T. **Nature** 1986 Dec 11–17;324(6097):506
Research publishing: interleukin disappears from the literature [news] Collins E. **Nature** 1986 Nov 20–26; 324(6094):197
Priority claims policy and disenhancement [letter] Magasanik B. **Nature** 1987 Jun 18–24;327(6123):561–2
Embryo research: UK legislation further delayed [news] Newmark P. **Nature** 1986 Dec 18–31;324(6098):604
Investigations into NIH fraud allegations end with suicide [news] Palca J. **Nature** 1987 Feb 19–25;325(6106):652
Scientific fraud [letter] Starkey JD. **Nature** 1987 Jun 25–Jul 1;327(6124):652
Animal rights versus medical research. Grubb RL Jr. **Neurosurgery** 1987 May;20(5):809–10
Research opportunities on the campus. **New Engl Reg Allergy Proc** 1986 Jan-Feb;7(1):45–8
The coming of age of nursing research. Jacox A. **Nurs Outlook** 1986 Nov-Dec;34(6):276–81
Scholarly business cards [editorial] Downs FS. **Nurs Res** 1987 May-Jun;36(3):139
Discriminant analysis. Edens GE. **Nurs Res** 1987 Jul-Aug; 36(4):257–62
Re: 'Off with their heads!' [letter] Habeeb MC. **Nurs Res**

1987 Mar-Apr;36(2):116, 135

Delineation of nursing administration research priorities. Henry B, et al. **Nurs Res** 1987 Sep-Oct;36(5):309-14

Translation of quantitative measures for use in cross-cultural research. Jones E. **Nurs Res** 1987 Sep-Oct;36(5):324-7

Research activities of clinical nurse researchers. Knafl KA, et al. **Nurs Res** 1987 Jul-Aug;36(4):249-52

In defense of destructive criticism. (A dialogue between a critic C and an apologist A in an unnamed medical school). Skrabanek P. **Perspect Biol Med** 1986 Autumn;30(1):19-26

The fruit peddler: population studies versus laboratory experiments [editorial] Marsh JL. **Plast Reconstr Surg** 1987 Jan;79(1):108

Statistical analysis and study design in plastic and reconstructive surgical research. Velanovich V, et al. **Plast Reconstr Surg** 1987 Aug;80(2):308-13

Research-and-teaching elective in a primary care oriented school. Pantoja E, et al. **Proc Annu Conf Res Med Educ** 1984;23:26-32

Overview of the state of the art in development and utilization of animal models in the U.S.A. Melby EC Jr. **Prog Clin Biol Res** 1987;229:1-10

Genetic significance of laboratory mice in biomedical research. Moriwaki K. **Prog Clin Biol Res** 1987;229:53-72

Animal "rights" v. animal research: a worldwide movement challenges biomedical science. Trull FL. **Prog Clin Biol Res** 1987;229:327-36

Narrowing the reward gap between research and practice [editorial] Young-Graham K. **Public Health Nurs** 1986 Dec;3(4):213-4

National Center for Nursing Research is ready for action at NIH [editorial] Merritt DH. **Public Health Rep** 1987 Jan-Feb;102(1):3-4

Plausible theories and the development of scientific theory. The case of aging research. Montgomery RJ, et al. **Res Aging** 1986 Dec;8(4):586-608

Doctoral preparation of qualified nurse researchers [editorial] Baun MM. **Res Nurs Health** 1987 Jun;10(3):iii-iv

Integrative reviews of nursing research. Ganong LH. **Res Nurs Health** 1987 Feb;10(1):1-11

Stereotyping by nurses and nursing students: a critical review of research. Ganong LH, et al. **Res Nurs Health** 1987 Feb; 10(1):49-70

Nurses and physicians must interact for valid clinical research. Kirchhoff KT. **Res Nurs Health** 1987 Jun; 10(3):149-54

Sample selections in nursing research [editorial] Sachs B. **Res Nurs Health** 1987 Feb;10(1):iii-iv

WHO--a source of inspiration for researchers? Vuori H. **Scand J Soc Med** 1987;15(2):57-61

Marriage, motherhood and research performance in science. Cole JR, et al. **Sci Am** 1987 Feb;256(2):119-25

Availability of human tissues for research in cancer [letter] Clausen KP, et al. **Science** 1987 Jul 3;237(4810):10-1

NIMH review of fraud charge moves slowly [news] Holden C. **Science** 1986 Dec 19;234(4783):1488-9

Fraud in science [editorial] Koshland DE Jr. **Science** 1987 Jan 9;235(4785):141

San Diego's tough stand on research fraud [news] Marshall E. **Science** 1986 Oct 31;234(4776):534-5

Research Practices [letter] Stewart WW, et al. **Science** 1987 Jan 9;235(4785):146

Social work roles in collaborative research. Young CL. **Soc Work Health Care** 1986 Summer;11(4):71-81

Appropriateness of the use of the term sacrifice in experimental animal studies [letter] Miller JR. **Teratology** 1986 Dec;34(3):363-5

Research priorities in small animal practice. Edney AT. **Vet Rec** 1987 Apr 4;120(14):319-20

Computer use and nursing research: interfacing microcomputers and nursing research--I. Management and analysis of research data. Abraham IL, et al. **West J Nurs Res** 1986 Aug;8(3):386-91

Strategies for teaching nursing research. Teaching statistical analysis--a computer application activity. Broome ME, et al. **West J Nurs Res** 1987 Feb;9(1):132-7

Computer use and nursing research. Statistical packages for microcomputers. Clochesy JM. **West J Nurs Res** 1987 Feb; 9(1):138-41

Strategies for teaching nursing research: participant observation. Dean PG. **West J Nurs Res** 1986 Aug; 8(3):378-82

Ethical issues in nursing research. Fowler MD. **West J Nurs Res** 1987 May;9(2):269-71

Strategies for teaching nursing research. Integration of research in a graduate clinical course. Perry PA. **West J Nurs Res** 1986 Nov;8(4):469-72

Computer use and nursing research. Interfacing microcomputers and nursing research--II. Dissemination of research findings and project management. Schultz S 2d, et al. **West J Nurs Res** 1986 Nov;8(4):473-7

Ethical issues in nursing research. Smith SJ. **West J Nurs Res** 1986 Aug;8(3):383-5

[Statistical methods in clinical research] Drdková S. **Cas Lek Cesk** 1987 Mar 27;126(13):385-9 (Eng. Abstr.) **(Cze)**

[Biological and medical foundations for the healthy development of humans. Selected results from the 7th state plan for research from 1981 to 1985] Houštěk A, et al. **Cas Lek Cesk** 1987 Feb 13;126(7):196-212 (Eng. Abstr.) **(Cze)**

[The most important results of the research plan of the Czech Ministry of Health 1981-1985] Houštěk J, et al. **Cas Lek Cesk** 1986 Sep 5;125(36):1113-24 **(Cze)**

[The role of medical schools in the development of the health sciences and research] Trojan S. **Cesk Fysiol** 1987;36(1):1-2 **(Cze)**

[A project for the scientific-technical development program in the health services] Vavroušek J. **Cesk Zdrav** 1987 Jan; 35(1):30-42 (Eng. Abstr.) **(Cze)**

[Computer centers in medical research. An alternative to the local personal computer] Kruse P, et al. **Ugeskr Laeger** 1986 Dec 15;148(51):3458-60 (Eng. Abstr.) **(Dan)**

[Statistical analysis of the behavior of medical researchers (letter)] Järvinen A. **Duodecim** 1987;103(4):231-4 **(Fin)**

[Postgraduate training in medical research] Saksela E. **Duodecim** 1986;102(16):1161-5 **(Fin)**

[Role and structure of scientific articles, research articles, short notes, review articles, proceedings of meetings] Le Louëdec C, et al. **Ann Rech Vet** 1987;18(1):3-12 **(Fre)**

[Case-control studies aiming at evaluation and indication bias] Breart G. **Rev Epidemiol Sante Publique** 1987; 35(2):170-2 **(Fre)**

[The crisis in internal medicine: the combination of research with active clinical practice--one way to solve the problem] Shoenfeld Y. **Harefuah** 1986 Aug;111(3-4):100 **(Heb)**

[Comment on the article "Current characteristics of the international status of clinical research" (letter)] **Orv Hetil** 1987 Mar 8;128(10):549 **(Hun)**

[Current aspects of the international status of clinical research] Rák K. **Orv Hetil** 1986 Dec 7;127(49):2979-84 (Eng. Abstr.) **(Hun)**

[Fighting pseudoscience, quackery and charlatanism (letter)] Szendei A. **Orv Hetil** 1987 Mar 8;128(10):549 **(Hun)**

[Principles of analysis. Analysis] Scarano E. **Ann Ist Super Sanita** 1987;23(1):7-12 (Eng. Abstr.) **(Ita)**

[Research and the national health service (letter)] Coen D. **Recenti Prog Med** 1986 Sep;77(9):446 **(Ita)**

[A proposal for the promotion of virus research] Ishihama A. **Uirusu** 1986 Dec;36(2):181-3 (0 ref.) **(Jpn)**

[The role of chance in scientific discovery] Cotrău M. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):575-7 **(Rum)**

[Use of programmable micro-calculators for the statistical analysis of research results] Kostiuchenko VA, et al. **Lab Delo** 1987;(4):310-3 (Eng. Abstr.) **(Rus)**

[Soviet-Swedish cooperation in the field of medical science] Smyslov VV, et al. **Vestn Akad Med Nauk SSSR** 1987; (3):92-4 **(Rus)**

[Basic science and medical practice] Krivobokova SS. **Vopr Med Khim** 1986 Jul-Aug;32(4):2-7 **(Rus)**

[Socialist competition among the research institutes of the Ministry of Health of the UkrSSR] Pasechnik SI, et al. **Vrach Delo** 1987 Jun;(6):1-4 **(Rus)**

[Determination of correlative connections in medico-biological research using an "Elektronik BZ-34" microcalculator] Zeliak VL, et al. **Vrach Delo** 1987 Feb; (2):5-7 **(Rus)**

[Basic methodological considerations in conducting psychological research in Latin America] Marín G. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):183-92 (Eng. Abstr.) **(Spa)**

[Research and development, the first responsibility of the Secretariat of Health] **Gac Med Mex** 1985 Nov-Dec; 121(11-12):309-15 **(Spa)**

[Program of medical research] **Gac Med Mex** 1986 Jan-Feb; 122(1-2):1-18 **(Spa)**

[Academic research and industrial research in drug development (editorial)] Erill S. **Med Clin (Barc)** 1987 Jul 4;89(6):247-9 **(Spa)**

[Clinical research in Spain: characteristics of authors] Gascón ME, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):444-7 (Eng. Abstr.) **(Spa)**

[The bibliography of a research project] Hurtado A, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):483-5 (Eng. Abstr.) **(Spa)**

[The concept of clinical investigation] Alarcón-Segovia D. **Rev Invest Clin** 1986 Jul-Sep;38(3):327-8 **(Spa)**

[Investigation: clinical? laboratory? hospital? field? we are all investigators (letter)] González-Richmond JA. **Rev Invest Clin** 1986 Jul-Sep;38(3):345-6 **(Spa)**

[The clinician as an academic] Pumarino H. **Rev Med Chil** 1987 Jan;115(1):81-4 (Eng. Abstr.) **(Spa)**

[Importance of research in teaching] Vargas Fernández L. **Rev Med Chil** 1986 Sep;114(9):881-5 (Eng. Abstr.) **(Spa)**

HISTORY

'A cooperative venture' in pursuit of professional status: a research journal for nursing. Baer ED. **Nurs Res** 1987 Jan-Feb;36(1):18-25

[Medical students in research] Szállási Z. **Orv Hetil** 1987 May 3;128(18):941-2 **(Hun)**

[Results and prospects of historical medical research in the USSR] Petrov BD. **Sov Zdravookhr** 1986;(8):10-3 **(Rus)**

[Activities of scientific institutions evacuated to Western Siberia during World War II] Zelenin SF. **Sov Zdravookhr** 1986;(11):54-6 **(Rus)**

[Yearning for new knowledge is important even if it concerns only our own health] Hakulinen E. **Lakartidningen** 1986 Dec 17;83(51):4372-5 **(Swe)**

METHODS

Theory testing research: methodological issues [letter] Nicoll LH. **ANS** 1987 Apr;9(3):ix-xi

Computing for incomplete repeated measures. Berk K. **Biometrics** 1987 Jun;43(2):385-98

Choice of column scores for testing independence in ordered 2 X K contingency tables. Graubard BI, et al. **Biometrics** 1987 Jun;43(2):471-6

Biomedical research in the nursing home: methodological issues and subject recruitment results. Lipsitz LA, et al. **J Am Geriatr Soc** 1987 Jul;35(7):629-34

Nursing research methods to evaluate a change in practice. Carpenter KD. **J Nurs Adm** 1987 Mar;17(3):6-7

Focused programs of research. Felton G, et al. **J Prof Nurs** 1985 Jul-Aug;1(4):187

Collaboration in clinical research: binational projects shed new light on old issues. Sweeney MA, et al. **J Prof Nurs** 1987 Jan-Feb;3(1):28-38

Collaborative research: a commentary. Williams CA. **J Prof Nurs** 1987 Mar-Apr;3(2):82, 124-5

The logistic regression analysis of psychiatric data. Fleiss JL, et al. **J Psychiatr Res** 1986;20(3):195-209

A method for the routine observation of sexual behaviour in rats. Mercier O, et al. **Lab Anim** 1987 Apr;21(2):125-30

Developing a focused research effort. Lenz ER. **Nurs Outlook** 1987 Mar-Apr;35(2):60-4

Differences in stress and coping findings: a reflection of social realities or methodologies? Bargagliotti LA, et al. **Nurs Res** 1987 May-Jun;36(3):170-3

A triangulation of methods and paradigms to study nurse-given wellness care. Hinds PS, et al. **Nurs Res** 1987 May-Jun;36(3):195-8

Taking sides: a response to Goodwin and Goodwin. Powers BA. **Nurs Res** 1987 Mar-Apr;36(2):122-6

Accumulating evidence: using meta-analysis to carry out research reviews in pediatrics. Light RJ. **Pediatrics** 1986 Dec;78(6):1145-7

Measurement of variation of drug responses: sequential analysis of quantal sensitivity data. McCawley EL, et al. **Physiol Chem Phys** 1974;6(3):275-82

Measures of mother-child interaction: a comparison of three methods. Flick LH, et al. **Res Nurs Health** 1987 Jun; 10(3):129-37

Methods for testing hypotheses across studies: applications for teratologists and toxicologists. Barron S, et al. **Teratology** 1986 Aug;34(1):113-8

Exploratory data analysis--introduction. Ferketich S, et al. **West J Nurs Res** 1986 Nov;8(4):464-6

Research in cultural diversity. Microcomputer applications in cross-cultural qualitative research. Lauer GM, et al. **West J Nurs Res** 1987 May;9(2):272-4

[The premises of meaningful research] Raivio K. **Duodecim** 1986;102(16):1170-5 **(Fin)**

[Research--the source of medical progress] Pletscher A. **Hautarzt** 1985;36 Suppl 7:1-5 **(Ger)**

STANDARDS

Replication. Mann WC. **Am J Occup Ther** 1987 Feb; 41(2):127-9

Clinical research in the era of cost containment [editorial] Moody FG. **Am J Surg** 1987 Apr;153(4):337-40

Research on nursing practice. Stress. Lyon BL, et al. **Annu Rev Nurs Res** 1987;5:3-22 (73 ref.)

Architecture of research in psychiatry, 1953 to 1983. Reich J, et al. **Arch Gen Psychiatry** 1987 Apr;44(4):311-3

Fraud in science: the burden of proof [editorial] Lewin B. **Cell** 1987 Jan 16;48(1):1-2

Pain and discomfort. How to recognize and manage pain associated with animal research. Spinelli JS, et al. **Invest Radiol** 1987 Apr;22(4):348-52

Clinical research: boundaries and standards [editorial] Fletcher RH, et al. **J Gen Intern Med** 1986 May-Jun; 1(3):203-4

Clinical research by master's students. Cronenwett LR. **J Nurs Adm** 1987 Jan;17(1):6-7

Standards for clinically based nursing research. Stetler CB, et al. **J Nurs Adm** 1987 Mar;17(3):4, 18

Ten criteria for evaluating qualitative research proposals. Cobb AK, et al. **J Nurs Educ** 1987 Apr;26(4):138-43

Analysis of research reports. Fawcett J. **J Nurse Midwifery** 1986 Nov-Dec;31(6):279-84

Interrater reliability: essential for research and practice. Haller KB. **MCN** 1987 Jan-Feb;12(1):78

Regulated clinical research: the study design. Asher HR, et al. **Med Instrum** 1986 Jul-Aug;20(4):220-3

Rules for research in nursing homes [editorial] Annas GJ, et al. **N Engl J Med** 1986 Oct 30;315(18):1157-8

Wistar's export to Argentina [letter] Grigera PR. **Nature** 1986 Dec 18-31;324(6098):610

Laboratory fraud: another damned by publications [news] Locke R. **Nature** 1986 Dec 4-10;324(6096):401

Rabies vaccine: inquiry into Argentine trials [news] Palca J. **Nature** 1986 Dec 18-31;324(6098):609

Approaches to avoiding errors in data sets: a technical note. Suter WN. **Nurs Res** 1987 Jul-Aug;36(4):262-3

Integrity of research papers questioned [news] Culliton BJ. **Science** 1987 Jan 23;235(4787):422-3

NIH moves to debar cholesterol researcher [news] Holden C. **Science** 1987 Aug 14;237(4816):718-9

Fact versus supposition [letter] Uphoff DE. **Science** 1986 Dec 19;234(4783):1486

Congress considers upgrading labs [news] Walsh J. **Science** 1987 Jul 24;237(4813):351–2
On reliability and validity in qualitative research [editorial] Brink PJ. **West J Nurs Res** 1987 May;9(2):157–9
[Obstacles to clinical research] Ylikorkala O. **Duodecim** 1986; 102(16):1166–9 **(Fin)**
[Multidimensional analysis of clinical data] Volynskiĭ IuD, et al. **Vestn Akad Med Nauk SSSR** 1987;(1):84–93 **(Rus)**
[Complex system of predicting, planning and coordinating scientific research in neurology and its management] Shmidt EV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(11):1601–4 (Eng. Abstr.) **(Rus)**
[International proposal for biomedical research in humans] **Rev Gastroenterol Mex** 1987 Jan–Mar;52(1):51–64 **(Spa)**

RESEARCH DESIGN

Control groups in routine evaluations of outcomes of alcoholism treatment. Cernovsky ZZ. **Adv Alcohol Subst Abuse** 1986 Fall;6(1):77–87
Research paradigms in psychosomatic medicine. **Adv Psychosom Med** 1987;17:1–272
Methodological issues in psychosomatic research. Fava GA, et al. **Adv Psychosom Med** 1987;17:1–12 (53 ref.)
Methodology of life events research. Paykel ES. **Adv Psychosom Med** 1987;17:13–29 (70 ref.)
CASSandRa. Diamond GA, et al. **Am J Cardiol** 1987 Mar 1;59(6):698–701
Scientific standards and epidemiologic methods. Feinstein AR. **Am J Clin Nutr** 1987 May;45(5 Suppl):1080–8
Regression toward the mean in a two-stage selection program. II. Correlated within-subject observations. McMahan CA. **Am J Epidemiol** 1987 May;125(5):912–6
Background and design of a Danish cohort study of workers in phenoxy herbicide manufacture. Lynge E. **Am J Ind Med** 1987;11(4):427–37
Study designs in infection control research. Research Committee of the Association for Practitioners in Infection Control. **Am J Infect Control** 1987 Jun;15(3):30A–32A
Methodological issues in childhood depression: a review of the literature. Kerr MM, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):193–8 (43 ref.)
Optimal experiment design for nonlinear models subject to large prior uncertainties. Walter E, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R530–4
Control groups for psychosocial intervention outcome studies. Strayhorn JM Jr. **Am J Psychiatry** 1987 Mar; 144(3):275–82
Alcohol use in volunteers 1 year after a study requiring alcohol intake [letter] Willenbring ML, et al. **Am J Psychiatry** 1987 Jun;144(6):825
Family–genetic studies of psychiatric disorders. Developing technologies. Weissman MM, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1104–16
Repeated warnings re repeated measures [editorial] de Klerk NH. **Aust NZ J Med** 1986 Oct;16(5):637–8
Simultaneous multiple comparison procedures for categorical data. Hall W, et al. **Aust NZ J Psychiatry** 1986 Sep; 20(3):350–9
"Predicted" compounds with "alleged" biological activities from analyses of structure–activity relationships: implications for medicinal chemists. Rachlin AI. **Bioinorg Chem** 1976;6(3):271–8
Psychophysiological assessments in a repeated–measurement design extending over a one–year interval: trends and stability. Fahrenberg J, et al. **Biol Psychol** 1987 Feb; 24(1):49–66
A simple randomisation procedure for validating discriminant analysis: a methodological note. Wastell DG. **Biol Psychol** 1987 Apr;24(2):123–7
Computing for incomplete repeated measures. Berk K. **Biometrics** 1987 Jun;43(2):385–98
Methods of estimation in log odds ratio regression models. Breslow NE, et al. **Biometrics** 1986 Dec;42(4):949–54
Sample size for testing differences in proportions for the paired–sample design. Connor RJ. **Biometrics** 1987 Mar; 43(1):207–11
Global cross–ratio models for bivariate, discrete, ordered responses. Dale JR. **Biometrics** 1986 Dec;42(4):909–17
The large–sample relative efficiency of the Mantel–Haenszel estimator in the fixed–strata case. Donner A, et al. **Biometrics** 1986 Sep;42(3):537–45
Logistic regression methods for retrospective case–control studies using complex sampling procedures. Fears TR, et al. **Biometrics** 1986 Dec;42(4):955–60
Testing equality of relative survival patterns based on aggregated data. Hakulinen T, et al. **Biometrics** 1987 Jun; 43(2):313–25
Evaluation of sample size and power for analyses of survival with allowance for nonuniform patient entry, losses to follow–up, noncompliance, and stratification. Lachin JM, et al. **Biometrics** 1986 Sep;42(3):507–19
Hypothesis testing for proportions with overdispersion. Pack SE. **Biometrics** 1986 Dec;42(4):967–72
Sample size for individually matched case–control studies. Parker RA, et al. **Biometrics** 1986 Dec;42(4):919–26
Inference based on type II censored samples. Schneider H, et al. **Biometrics** 1986 Sep;42(3):531–6
Alternative estimation procedures for Pr(X less than Y) in categorized data. Simonoff JS, et al. **Biometrics** 1986 Dec; 42(4):895–907
Sample size for case–control studies using Cochran's statistic. Woolson RF, et al. **Biometrics** 1986 Dec;42(4):927–32
The calculation of probabilities in rejecting bioequivalence. Yee KF. **Biometrics** 1986 Dec;42(4):961–5
Pretreatment with ranitidine [letter] Wilkinson DJ. **Br J Anaesth** 1987 May;59(5):665–6
Animal models for percutaneous penetration: assessing contamination of the experimental system. Gummer CL, et al. **Br J Dermatol** 1986 Sep;115(3):335–9
Descriptive statistics. Clegg F. **Br J Hosp Med** 1987 Apr; 37(4):356–7
Towards a general model of non–random sampling and the impact on population correlation: generalizations of Berkson's Fallacy and restriction of range. Alexander RA, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):90–105
Effect of aspirin on pruritus [letter] **Br Med J [Clin Res]** 1987 Jan 10;294(6564):120–1
Methodological issues in the use of the concurrent activities paradigm. Green A, et al. **Brain Cogn** 1986 Oct;5(4):465–76
Visual laterality and the acuity gradient: potential artifacts and control procedures. Hellige JB. **Brain Cogn** 1986 Jul; 5(3):369–76
Cancer clinical trials in the USA: patient eligibility, generalizability of results and technology transfer. Begg CB. **Bull Cancer (Paris)** 1987;74(2):197–203
Knowledge engineering for a clinical trial advice system: uncovering errors in protocol specification. Musen MA, et al. **Bull Cancer (Paris)** 1987;74(3):291–6
The differential diagnosis of Alzheimer's disease: conceptual and methodological issues. Tierney MC, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):424–6
Random digit dialing. Wielgosz AT, et al. **Can J Public Health** 1987 May–Jun;78(3):201–2
Overview of randomized trials of postoperative adjuvant radiotherapy in breast cancer. Cuzick J, et al. **Cancer Treat Rep** 1987 Jan;71(1):15–29 (43 ref.)
Overview of randomized trials comparing radical mastectomy without radiotherapy against simple mastectomy with radiotherapy in breast cancer. Cuzick J, et al. **Cancer Treat Rep** 1987 Jan;71(1):7–14 (15 ref.)
Overviews of randomized clinical trials. Simon R. **Cancer Treat Rep** 1987 Jan;71(1):3–5
The designs, control and pitfalls of clinical trials. Bramwell V. **Clin Otolaryngol** 1986 Dec;11(6):397–401
Rates of sensitivity reactions to aspirin: problems in interpreting the data. Kwoh CK, et al. **Clin Pharmacol Ther** 1986 Nov;40(5):494–505
Blinding, unblinding, and the placebo effect: an analysis of patients' guesses of treatment assignment in a double–blind clinical trial. Moscucci M, et al. **Clin Pharmacol Ther** 1987 Mar;41(3):259–65
Balancing allocation of subjects in biomedical research: a minimization strategy based on ranks. Hoehler FK. **Comput Biomed Res** 1987 Jun;20(3):209–13
Statistical problems in designing, conducting, and analysing nutritional trials in patients with chronic renal failure. Gretz N, et al. **Contrib Nephrol** 1986;53:82–91
Analysis of data from multiclinic trials. Fleiss JL. **Controlled Clin Trials** 1986 Dec;7(4):267–75
The impact of treatment allocation procedures on nominal significance levels and bias. Kalish LA, et al. **Controlled Clin Trials** 1987 Jun;8(2):121–35
Simple ranking procedures for evaluating members of multicenter collaborative groups. Wilcosky TC, et al. **Controlled Clin Trials** 1986 Dec;7(4):276–81
Using baseline measurements in the two–period crossover clinical trial. Willan AR, et al. **Controlled Clin Trials** 1986 Dec;7(4):282–9
Fertility estimation from retrospective surveys: biases attributable to pregnancy–related movement of mothers. Srinivasan K, et al. **Demography** 1987 May;24(2):271–8
Adjusting for confounded variables: pulmonary function and smoking in a special population. Feldman HA, et al. **Environ Res** 1987 Jun;43(1):251–66
Skills for the beginning family medicine investigator. Hitchcock MA, et al. **Fam Med** 1987 Mar–Apr;19(2):120–4
Government, media and the animal issue. **Fed Proc** 1986 Oct; 45(11):7A–14A
Evaluation of psychiatric consultation–liaison in primary care settings. Von Korff M, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):118–25
Ongoing patient randomization: an innovation in medical care research. Cargill V, et al. **Health Serv Res** 1986 Dec; 21(5):663–78
Research–based practice: the need for, use, and reporting of instrument reliability and validity [editorial] Hartshorn JC. **Heart Lung** 1987 Jan;16(1):100–1
Statistical methods in cancer research. Volume III—the design and analysis of long–term animal experiments. Gart JJ, et al. **IARC Sci Publ** 1986;(79):1–219 (404 ref.)
Research protocol design and laboratory animal research. Rowan AN. **Invest Radiol** 1987 Jul;22(7):615–7
A review of Society for Adolescent Medicine abstracts and Journal of Adolescent Health Care articles. Neinstein LS. **J Adolesc Health Care** 1987 Mar;8(2):198–203
Percutaneous balloon valvuloplasty: long–term studies are needed [editorial] Beekman RH. **J Am Coll Cardiol** 1987 Apr;9(4):732–3
Biased statistical analysis when the animal is not the experimental unit [letter] Gill JL. **J Am Vet Med Assoc** 1987 Jan 1;190(1):5–6
Repeated measurement: sensitive tests for experiments with few animals. Gill JL. **J Anim Sci** 1986 Sep;63(3):943–54
Cyclic variation in cattle feed intake data: characterization and implications for experimental design. Stroup WW, et al. **J Anim Sci** 1987 Jun;64(6):1638–47
Observational studies of cause–effect relationships: an analysis of methodologic problems as illustrated by the conflicting data for the role of oral contraceptives in the etiology of rheumatoid arthritis. Esdaile JM, et al. **J Chronic Dis** 1986;39(10):841–52
The experimental paradigm and observational studies of cause–effect relationships in clinical medicine. Horwitz RI. **J Chronic Dis** 1987;40(1):91–9
A short note on the history of the randomized controlled trial. Vandenbroucke JP. **J Chronic Dis** 1987;40(10):985–7
The rightward shift of colon cancer. Aging or artifact? Pfister DG, et al. **J Clin Gastroenterol** 1987 Feb;9(1):58–61
Randomized concurrent control groups [letter] D'Angio GJ. **J Clin Oncol** 1987 Feb;5(2):318
Planned interim analysis and its role in cancer clinical trials. Geller NL. **J Clin Oncol** 1987 Sep;5(9):1485–90
Policies for study monitoring and interim reporting of results. Green SJ, et al. **J Clin Oncol** 1987 Sep;5(9):1477–84
Early stopping, interim analyses, and monitoring committees: what are the tradeoffs? [editorial] Zelen M. **J Clin Oncol** 1987 Sep;5(9):1314–5
Statistical hypothesis testing in biology: a contradiction in terms. Jones D, et al. **J Econ Entomol** 1986 Oct; 79(5):1156–60
Multiple–comparison procedures: a dissenting view. Perry JN. **J Econ Entomol** 1986 Oct;79(5):1149–55
Randomization of animals by computer program for toxicity studies. Martin RA, et al. **J Environ Pathol Toxicol Oncol** 1986 May–Aug; 6(5–6):143–52
Research design and statistical procedures used in the Journal of Family Practice. Fromm BS, et al. **J Fam Pract** 1986 Dec;23(6):564–6
Adjusting for selection biases in referral populations. Froom P, et al. **J Fam Pract** 1987 Jan;24(1):80–2
Quantification in clinical research: our days are numbered [editorial] O'Malley MS. **J Gen Intern Med** 1987 Mar–Apr; 2(2):133–4
The search for more clinically meaningful research designs: single–patient randomized clinical trials [editorial] Porta MS. **J Gen Intern Med** 1986 Nov–Dec;1(6):418–9
A course in medical research study design and analysis. Linskey ME, et al. **J Med Educ** 1987 Feb;62(2):143–5
The conflict between randomized clinical trials and the therapeutic obligation. Gifford F. **J Med Philos** 1986 Nov; 11(4):347–66
Consent and randomized clinical trials: are there moral or design problems? Kopelman L. **J Med Philos** 1986 Nov; 11(4):317–45
An argument that all prerandomized clinical trials are unethical. Marquis D. **J Med Philos** 1986 Nov;11(4):367–83
Conceptualizing researchable neuroscience nursing problems in the clinical setting. Sayner NC. **J Neurosci Nurs** 1987 Feb;19(1):49–52
Research in nursing education: assumptions and priorities. Tanner CA, et al. **J Nurs Educ** 1987 Feb;26(2):50–9
Experimental design and data evaluation in orthopaedic research. Janssen HF. **J Orthop Res** 1986;4(4):504–9
The nursing research review process in a clinical setting. Kirchhoff KT, et al. **J Prof Nurs** 1985 Sep–Oct;1(5):311–4
Impact of nursing research on public policy: an examination of ANA research priority statements. Werley HH, et al. **J Prof Nurs** 1985 May–Jun;1(3):148–56
Veterans Administration Cooperative Studies Project No. 147. Part III: Assessment of blindness in a clinical evaluation of alternative alloys for metal–ceramic crowns. Morris HF. **J Prosthet Dent** 1986 Dec;56(6):692–7
A controlled trial of teaching critical appraisal of the clinical literature to medical students. Bennett KJ, et al. **JAMA** 1987 May 8;257(18):2451–4
Relationship between dietary fat composition and colorectal neoplasia [letter] Longnecker MP. **JNCI** 1987 Feb; 78(2):395–6
Symposium on methods in renal research. **Kidney Int** 1986 Aug;30(2):141–279
The concept of significance. Haller KB. **MCN** 1987 Jul–Aug; 12(4):292
Double blind: double talk or are there ways to do better research. Ney PG, et al. **Med Hypotheses** 1986 Oct; 21(2):119–26
"The burden of disproof..."Katch V. **Med Sci Sports Exerc** 1986 Oct;18(5):593–5
Heterogeneity secondary to age in clinical studies involving many subjects. Schnitker J, et al. **Methods Find Exp Clin Pharmacol** 1987 Mar;9(3):183–7
Evaluation of some strategies for treating concomitant factors in randomized trials. Commenges D. **Methods Inf Med** 1986 Oct;25(4):237–41
Clinical trial size: fixed versus group–sequential designs. Moussa MA. **Methods Inf Med** 1986 Oct;25(4):233–6
The Extracranial–Intracranial Bypass Study. A report of the committee appointed by the American Association of Neurological Surgeons to examine the study. Goldring S, et al. **N Engl J Med** 1987 Mar 26;316(13):817–20
The extracranial–intracranial arterial bypass study: what have we learned? [editorial] Relman AS. **N Engl J Med** 1987 Mar 26;316(13):809–10
Meta–analyses of randomized controlled trials. Sacks HS, et al. **N Engl J Med** 1987 Feb 19;316(8):450–5

Was the international randomized trial of extracranial–intracranial arterial bypass representative of the population at risk? Sundt TM Jr. **N Engl J Med** 1987 Mar 26;316(13):814–6

Genetic and biological markers in alcoholism and drug abuse. Schuckit MA. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 66:97–108

Whose misconduct? **Nature** 1987 Apr 30–May 6; 326(6116):814

Cornell misconduct case grinds slowly to its conclusion [news] Palca J. **Nature** 1987 Apr 30–May 6;326(6116):816

Towards a model stroke trial. The single–centre naftidrofuryl study. Steiner TJ, et al. **Neuroepidemiology** 1986; 5(3):121–47

Methods of studying antihistamines. Connell JT. **New Engl Reg Allergy Proc** 1986 Jul–Aug;7(4):346–55

Fatal flaws [editorial] Hayman LL. **Nurs Res** 1987 Sep–Oct; 36(5):267

Randomized experiments in nursing: the quality of reporting. Jacobsen BS, et al. **Nurs Res** 1986 Nov–Dec;35(6):379–82

Multiple regression analysis with small samples: cautions and suggestions. Prescott PA. **Nurs Res** 1987 Mar–Apr; 36(2):130–3

Statistical analysis and study design in plastic and reconstructive surgical research. Velanovich V, et al. **Plast Reconstr Surg** 1987 Aug;80(2):308–13

Efficacy and effectiveness trials (and other phases of research) in the development of health promotion programs. Flay BR. **Prev Med** 1986 Sep;15(5):451–74 (110 ref.)

Randomized trials in coronary artery bypass surgery. Frye RL, et al. **Prog Cardiovasc Dis** 1987 Jul–Aug;30(1):1–22 (61 ref.)

Components of the design of psychopharmacology studies. Geller B. **Psychopharmacol Bull** 1986;22(4):1077–80

Longitudinal design and longitudinal analysis. A comparison of three approaches. Campbell RT, et al. **Res Aging** 1986 Dec;8(4):480–502

Isolating age, period, and cohort effects in developmental research. A critical review. Kosloski K. **Res Aging** 1986 Dec;8(4):460–79

Intervention research approaches. Smyer MA, et al. **Res Aging** 1986 Dec;8(4):536–58

The case study: a viable approach to clinical research. Meier P, et al. **Res Nurs Health** 1986 Sep;9(3):195–202

Experimental design of bioassays for screening and low dose extrapolation. Gaylor DW, et al. **Risk Anal** 1985 Mar; 5(1):9–16

Epidemiological research methods. Part III. Randomised controlled trials (for interventions). Botha JL, et al. **S Afr Med J** 1987 May 16;71(10):657–60

Randomized response technique [letter] Campbell AA. **Science** 1987 May 29;236(4805):1049

Sexual behavior and randomized responses [letter] Cohen JE. **Science** 1987 Jun 19;236(4808):1503

World Health Organization behavioral science research: problems and prospects. Foster GM. **Soc Sci Med** 1987; 24(9):709–17

Methodology in clinical back pain trials. Bloch R. **Spine** 1987 Jun;12(5):430–2

Proceedings of 'Methodologic issues in overviews of randomized clinical trials'. The National Heart, Lung and Blood Institute and The National Cancer Institute, Bethesda, Maryland, 15–16 May, 1986. **Stat Med** 1987 Apr–May;6(3):217–409

Modified replacement randomization. Abel U. **Stat Med** 1987 Mar;6(2):127–35

Inter–study differences: how should they influence the interpretation and analysis of results? Bailey KR. **Stat Med** 1987 Apr–May;6(3):351–60

Analysis of data arising from a stratified design with the cluster as unit of randomization. Donner A, et al. **Stat Med** 1987 Jan–Feb;6(1):43–52

Accumulating evidence from independent studies: what we can win and what we can lose. Light RJ. **Stat Med** 1987 Apr–May;6(3):221–31

Why do we need systematic overviews of randomized trials? Peto R. **Stat Med** 1987 Apr–May;6(3):233–44

Use of unequal allocation in survival trials. Sposto R, et al. **Stat Med** 1987 Mar;6(2):119–25

Problems in the medical interpretation of overviews. Wittes RE. **Stat Med** 1987 Apr–May;6(3):269–80

Obtaining medically meaningful answers from an overview of randomized clinical trials. Yusuf S. **Stat Med** 1987 Apr–May;6(3):281–94

Study designs appropriate for the workplace. Hogue CJ. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):457–72 (25 ref.)

Acute stroke therapy trials: an introduction to recurring design issues. Sterman AB, et al. **Stroke** 1987 Mar–Apr; 18(2):524–7

Consensus workshop on the evaluation of maternal and developmental toxicity work group II report: study design considerations. Palmer AK, et al. **Teratogenesis Carcinog Mutagen** 1987;7(3):311–9

Discrepancies between scientific theory and practice in relation to physiological hypotheses. Noble MI, et al. **Theor Med** 1986 Oct;7(3):219–31

Society of toxicologic pathologists' position paper on blinded slide reading [editorial] **Toxicol Pathol** 1986;14(4):493–4

The chances of false negative results in conventional toxicology studies with rats. Chanter DO, et al. **Toxicology** 1987 Jan;43(1):65–74

The evaluation of sensibility and the role of patient collaboration in clinimetric indexes. Feinstein AR, et al. **Trans Assoc Am Physicians** 1985;98:146–9

Genetic engineering in transplantation research. Steinmetz M. **Transplant Proc** 1987 Feb;19(1 Pt 1):36–9

A randomized prospective trial of cold storage versus pulsatile perfusion for cadaver kidney preservation. Halloran P, et al. **Transplantation** 1987 Jun;43(6):827–32

Research in cultural diversity. Unidimensional measures of ethnicity. Sorofman B. **West J Nurs Res** 1986 Nov; 8(4):467–8

The use of interviews with surrogate respondents in a case–control study of oral cancer. Greenberg RS, et al. **Yale J Biol Med** 1986 Sep–Oct;59(5):497–504

Methodologic perspectives on the study of multiple primary cancers. Thompson WD. **Yale J Biol Med** 1986 Sep–Oct; 59(5):505–16

[Psychiatry and interdisciplinary research. Value of a systems approach] Marchais P, et al. **Ann Med Psychol (Paris)** 1986 Feb;144(2):129–41 (Eng. Abstr.) **(Fre)**

[Use of prognostic knowledge in the planning and analysis of randomized therapeutic trials] Byar D, et al. **Bull Cancer (Paris)** 1987;74(2):177–84 (Eng. Abstr.) **(Fre)**

[Medical and moral reasons for rejecting randomization in edematous diabetic retinopathy] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1017–8 **(Fre)**

[An example of the effect of research on perinatal mortality in Guadeloupe (1984–1985). I. Objectives and methodology] de Caunes F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):583–91 (Eng. Abstr.) **(Fre)**

[Termination rules in therapeutic trials. Application of sequential methods in 2 clinical trials in hematology] Bénichou J, et al. **Nouv Rev Fr Hematol** 1987;29(1):87–91 (Eng. Abstr.) **(Fre)**

[Comparison of the fields of randomized therapeutic trials published in the New England Journal of Medicine with various health indicators] Charpak Y, et al. **Therapie** 1987 Mar–Apr;42(2):217–21 **(Fre)**

[Objective results in non–randomized studies?] Abt K. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1574–5 **(Ger)**

[Biometric aspects of planning and carrying out non–randomized comparative clinical tests] Mau J, et al. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1569–73 **(Ger)**

[Problems of random sampling and research group composition in outbred populations] Rapp KG, et al. **Z Versuchstierkd** 1987;29(3–4):193–203 (Eng. Abstr.) **(Ger)**

[Use of mathematical theory in experiments evaluating the protective properties of antimicrobial preparations] D'iakov SI, et al. **Antibiot Med Biotekhnol** 1986 Sep;31(9):648–55 (Eng. Abstr.) **(Rus)**

[Comparative analysis of different methods of organizing a morphologic experiment] Pavlov AV, et al. **Arkh Anat Gistol Embriol** 1986 Oct;91(10):82–4 **(Rus)**

[Methodology of a planned clinical dietetic experiment with a program for processing the results on the Elektronika BZ–34 microcomputer] Zhulkevich IV, et al. **Vopr Pitan** 1987 May–Jun;(3):24–6 (Eng. Abstr.) **(Rus)**

[Clinical research in Spain: types of design used] Alvarez–Dardet C, et al. **Med Clin (Barc)** 1987 Jul 4; 89(6):221–3 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Toward an "unconfounded" classification of epidemiologic research design. Kramer MS, et al. **J Chronic Dis** 1987; 40(7):683–8

METHODS

Single–subject evaluation in health education. Dattilo J, et al. **Health Educ Q** 1986 Fall;13(3):249–59

Interpretation of results from subset analyses within overviews of randomized clinical trials. Gelber RD, et al. **Stat Med** 1987 Apr–May;6(3):371–88

STANDARDS

Carry–over effects of marijuana [letter] Morgan JP. **Am J Psychiatry** 1987 Feb;144(2):259–60

Reliability of the family history method in genetic studies of Alzheimer's disease and related dementias. Silverman JM, et al. **Am J Psychiatry** 1986 Oct;143(10):1279–82

An "alexilogical" study design? [letter]Vollhardt B. **Am J Psychiatry** 1986 Nov;143(11):1488–9

Defends experimental design [letter] Kitchell BE. **Am J Vet Res** 1986 Dec;47(12):2684

Big genes, little genes, affective disorder, and anxiety. A commentary. Carey G. **Arch Gen Psychiatry** 1987 May; 44(5):486–91

Assessing therapist success [letter] Murphy GM Jr. **Arch Gen Psychiatry** 1987 Feb;44(2):195–6

Is the Collaborative Ocular Melanoma Study worthwhile? [letter] Benson WE. **Arch Ophthalmol** 1986 Dec; 104(12):1745–7

Delinquency and attitude to authority: a comment on Reicher and Emler. Ray JJ. **Br J Soc Psychol** 1987 Mar;26 (Pt 1):93–4

Compensatory articulation in Broca's aphasia: the facts aren't in yet: a reply to Sussman et al. Katz WF, et al. **Brain Lang** 1987 Mar;30(2):367–80

Background and organization of quality control in the Multiple Risk Factor Intervention Trial. Lasser NL, et al. **Controlled Clin Trials** 1986 Sep;7(3 Suppl):1S–16S

Importance of adequate controls in experimental design [letter] Allen M, et al. **Gastroenterology** 1987 Jan;92(1):271

Qualitative research designs in the critical care setting: review and application. Omery A. **Heart Lung** 1987 Jul; 16(4):432–6

Recall bias: a proposal for assessment and control. Raphael K. **Int J Epidemiol** 1987 Jun;16(2):167–70

Clinical investigators under stress: a critique of Garmezy's commentary. Ferholt JB, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):724–9

Risk factor analysis of screening data. Begg CB. **J Chronic Dis** 1987;40(10):989–94

Misrepresenting uncontrolled clinical observations as "research" [letter]Dugas JE. **J Clin Psychiatry** 1987 Jul; 48(7):301–2

Methodological issues on the study of transgenerational effects of the holocaust: comment on Nadler, Kav–Venaki, and Gleitman. Silverman WK. **J Consult Clin Psychol** 1987 Feb;55(1):125–8

Problems in a study of the sexual response of women with cancer: comment on Anderson and Jochimsen. Thomas J. **J Consult Clin Psychol** 1987 Feb;55(1):120–4

The need for appropriate controls in studies on human in vitro fertilization [editorial] Trounson AO. **J In Vitro Fert Embryo Transfer** 1986 Aug;3(4):258

The effect of neuroleptics on cognition and diagnosis, and their influence on stereotypies [letter] Campbell M. **J Ment Defic Res** 1987 Jun;31 (Pt 2):220–5

How blind is blind? Assessment of patient and doctor medication guesses in a placebo–controlled trial of imipramine and phenelzine. Rabkin JG, et al. **Psychiatry Res** 1986 Sep;19(1):75–86

Effects on overviews of early stopping rules for clinical trials. Green SJ, et al. **Stat Med** 1987 Apr–May;6(3):361–9

Implications of overviews of randomized trials. Hennekens CH, et al. **Stat Med** 1987 Apr–May;6(3):397–409

The role of overviews in cancer therapeutics. Simon R. **Stat Med** 1987 Apr–May;6(3):389–96

[The treatment of patients with intermittent claudication using walking exercises (letter)] Donkerlo TW. **Ned Tijdschr Geneeskd** 1987 Jan 3;131(1):30–1 **(Dut)**

[The premises of meaningful research] Raivio K. **Duodecim** 1986;102(16):1170–5 **(Fin)**

[Use of prognostic knowledge in the planning and analysis of randomized therapeutic trials] Byar D, et al. **Bull Cancer (Paris)** 1987;74(2):177–84 (Eng. Abstr.) **(Fre)**

[Various abuses of statistics in medical research] Marazzi A. **Schweiz Med Wochenschr** 1987 Apr 18;117(16):609–18 (Eng. Abstr.) **(Fre)**

RESEARCH, HEALTH SERVICES see **HEALTH SERVICES RESEARCH**

RESEARCH INSTITUTES see **ACADEMIES AND INSTITUTES**

RESEARCH PERSONNEL

Keeping the clinician–researcher alive [letter] Sarasua MM. **Am J Psychiatry** 1987 Feb;144(2):262–3

Scholarly productivity in mental retardation. Matson JL, et al. **Appl Res Ment Retard** 1986;7(4):483–90

Basic clinicians: on the marriage between clinicians and basic scientists at AHRI/ALERT. Britton S. **Ethiop Med J** 1986 Dec;24 Suppl 1:81–7

The clinical nurse researcher: institutionalizing the role. Dennis KE, et al. **Int J Nurs Stud** 1987;24(1):25–33

Assessing depression in community samples of children using self–report inventories: ethical considerations. Burbach DJ, et al. **J Abnorm Child Psychol** 1986 Dec;14(4):579–89

Responsibilities of animal scientists and drug sponsors when conducting research with investigational new animal drugs. Knight WM. **J Anim Sci** 1987 Aug;65(2):581–3

Responsibilities of university investigators when conducting trials on investigational new animal drugs. Parrott JC. **J Anim Sci** 1987 Aug;65(2):577–80

Research and clinical care [letter] Del Bigio MR. **J Med Educ** 1987 Mar;62(3):200

The need to promote careers that combine research and clinical care. Littlefield JW. **J Med Educ** 1986 Oct; 61(10):785–9

An historical cohort study of mortality among salaried research and development workers of the Allied Corporation. Chiazze L Jr, et al. **J Occup Med** 1986 Nov; 28(11):1185–8

Orthopaedic research funding and manpower. Woo SL. **J Orthop Res** 1986;4(4):510–3

Mammon and medicine: the rewards of clinical trials [letter] Jaffe ME. **JAMA** 1986 Nov 21;256(19):2673–4

The scientists' campaign against the Strategic Defense Initiative. Kogut JB. **JAMA** 1987 Aug 7;258(5):658–60

The radiology research technologists: who are they? Szwarc IA, et al. **Radiol Technol** 1982 Sep–Oct;54(1):41–3

[Features of the epidemiologic characteristics of ischemic heart disease among scientific research workers] Timofeeva

TN, et al. **Ter Arkh** 1987;59(1):29–33 (Eng. Abstr.) **(Rus)**

[Profile of the research physician] Zárate A. **Gac Med Mex** 1985 Jul–Oct;121(7–10):245–8 **(Spa)**

[Full–time work and scientific research (editorial)] Garrahan PJ. **Medicina (B Aires)** 1986;46(2):235–9 **(Spa)**

[Part–time scientific research (letter)] Zaninovich AA. **Medicina (B Aires)** 1986;46(2):246–7 **(Spa)**

ECONOMICS

Koop's corps of biomedical workers cured with kindness [news] Anderson A. **Nature** 1987 Jul 30–Aug 5; 328(6129):368

EDUCATION

Clinician–researchers in psychiatry [letter] **Am J Psychiatry** 1987 Apr;144(4):535–6

Careers and professional activities of graduates of a Medical Scientist Training Program. Bradford WD, et al. **J Med Educ** 1986 Nov;61(11):915–8

Funding subspecialty training for clinical investigators. Nathan DG. **N Engl J Med** 1987 Apr 16;316(16):1020–2

[Scientific research and the training of scientific personnel in the field of obstetrics and gynecology] Bodiazhina VI. **Akush Ginekol (Mosk)** 1987 Jan;(1):8–11 **(Rus)**

[A masters and doctorate course in medical sciences. A model for the formation of clinical investigators] Muñoz O. **Rev Invest Clin** 1986 Jul–Sep;38(3):331–2 **(Spa)**

[A tutorial program of clinical investigation] Pérez Tamayo R. **Rev Invest Clin** 1986 Jul–Sep;38(3):333–6 **(Spa)**

LEGISLATION & JURISPRUDENCE

[Status of the research personnel of CONICET (letter)] Stoppani AO. **Medicina (B Aires)** 1986;46(2):246 **(Spa)**

MANPOWER

The institute's researchers representation in the Sistema Nacional de Investigadores. Zárate A. **Arch Invest Med (Mex)** 1985 Oct–Dec;16(4):317–21 **(Eng, Spa)**

PSYCHOLOGY

Contrasting perceptions of distress by research personnel and their spinal cord injured subjects. Ernst FA. **Am J Phys Med** 1987 Feb;66(1):12–5

Belief systems which influence research in nursing: implications for preparing future investigators. Arnold JM, et al. **J Nurs Educ** 1986 Oct;25(8):325–7

TRENDS

The clinical investigator of the 1990's. Chrétien M. **Clin Invest Med** 1986 Nov;9(4):278–82

UTILIZATION

[Necessity of clinical investigators] Villalpando Hernández S. **Rev Invest Clin** 1986 Jul–Sep;38(3):329–30 **(Spa)**

RESEARCH SUPPORT

Need and responsibility of the NIH to insure that research projects have health–directed applications [letter] Leff A. **Am Rev Respir Dis** 1987 Jul;136(1):7–8

The new funding formula: will researchers still have time for research? Chouinard A. **Can Med Assoc J** 1987 Feb 15;136(4):421–5

Why clinical research grant applications fare poorly in review and how to recover. Cuca JM, et al. **Cancer Invest** 1987;5(1):55–8

The role of foundations in the future of medicine. Cahill GF Jr. **Clin Invest Med** 1986 Nov;9(4):273–7

The role of government support in biomedical research. Wyngaarden JB. **Clin Invest Med** 1986 Nov;9(4):265–8

Tobacco industry health research 'blood money': the British Health Promotion Research Trust. Chapman S. **Community Health Stud** 1987;11(2):139–42

WHO–sponsored research in BCG vaccination. ten Dam HG. **Dev Biol Stand** 1986;58 (Pt A):9–14

Research funding for family medicine: dilemmas and options. Culpepper L. **Fam Med** 1986 Nov–Dec;18(6):363–8

Who should profit from the business of science? The moral limit to private profit in entrepreneurial science. Goldworth A. **Hastings Cent Rep** 1987 Jun;17(3):8–10

Biomedical research and technology development. Anderson GF, et al. **Health Aff (Millwood)** 1987 Summer;6(2):85–92

Some reflections on foundation building. Rogers DE. **Health Aff (Millwood)** 1987 Summer;6(2):78–84

Networking and working with a mentor: keys to eliciting support for clinical research as a staff nurse [letter] Stangeland M. **Heart Lung** 1987 May;16(3):341

Malpractice studies assess law, insurance reform. Burda D. **Hospitals** 1987 Jul 20;61(4):58, 60

Preparing a grant proposal. Adelstein SJ. **Invest Radiol** 1987 Mar;22(3):250–2

How the NIH processes a grant application. Implications for radiology. Bragg DG. **Invest Radiol** 1987 Jan;22(1):66–7

The imaging research laboratory. The rationale for sharing of equipment. Fischer HW, et al. **Invest Radiol** 1987 Jan; 22(1):71–2

Subjective influences in the grant review process. Mackenzie RS, et al. **J Dent Educ** 1986 Dec;50(12):726–7

Source of funding and outcome of clinical trials. Davidson RA. **J Gen Intern Med** 1986 May–Jun;1(3):155–8

The impact of new reimbursement schemes on clinical research in hospitals: the case of the Prospective Payment System. Steinwald B. **J Gen Intern Med** 1986 Jul–Aug;1(4 Suppl):S56–9

Federal policy for biomedical and behavioral research [editorial] Brandt EN Jr. **J Med Educ** 1986 Dec;61(12):990

Trends in nutrition research and research training. Simopoulos AP. **J Nutr** 1986 Nov;116(11):2078–85

Orthopaedic research funding and manpower. Woo SL. **J Orthop Res** 1986;4(4):510–3

Research facilitation in academic and practice settings. McArt EW. **J Prof Nurs** 1987 Mar–Apr;3(2):84–91

Research support for diagnostic ultrasound. Holmes JH. **JCU** 1974 Mar;2(1):2–3

Research support for diagnostic ultrasound [letter] Nyborg WL. **JCU** 1974 Sep;2(3):171–2

Pharmaceutical funds for clinical research: a mixed blessing [editorial] **Lancet** 1987 Jan 31;1(8527):257–8

National AIDS trust: Mr Maxwell seeks pounds 50 million [news] McKie D. **Lancet** 1987 May 16;1(8542):1157

On supping with the devil [letter] Castaldi PA. **Med J Aust** 1986 Oct 6;145(7):360–1

Tobacco sponsorship of medical research [letter] Pierce JP. **Med J Aust** 1986 Dec 1–15;145(11–12):658

The Minnesota Academy of Family Physicians' Research Network: a vehicle for practice–based research. Solberg LI, et al. **Minn Med** 1986 Oct;69(10):599–601

Fee–for–service research [letter] **N Engl J Med** 1986 Oct 23;315(17):1099–100

Obtaining access to data from government–sponsored medical research. Yolles BJ, et al. **N Engl J Med** 1986 Dec 25;315(26):1669–72

US biomedical research. Hughes money talks volumes [news] Beardsley T. **Nature** 1986 Oct 30–Nov 5;323(6091):749

Prospects for 1987. United States. Health spending still increasing but space science stalled [news] Beardsley T, et al. **Nature** 1987 Jan 1–7;325(6099):6

National Science Foundation: new centres for biotechnology [news] Ezzell C. **Nature** 1986 Dec 4–10;324(6096):398

An ethical dilemma [letter] Forsdyke DR. **Nature** 1987 Aug 20–26;328(6132):662

MRC allocates grants for AIDS research [news] Hadlington S. **Nature** 1987 Jun 4–10;327(6121):355

UK charities pick up the tab left by government shortfall [news] Hadlington S. **Nature** 1987 Jul 9–15;328(6126):99

Medical professors' public complaint [news] Johnstone B. **Nature** 1987 May 21–27;327(6119):180

MRC pushing for government funds for AIDS vaccine research [news] Johnstone B. **Nature** 1987 Feb 19–25; 325(6106):650

Spending to keep up with the Japanese [news] Lindley D. **Nature** 1987 May 7–13;327(6117):4

Medical research: backs to the wall in Britain [news] Newmark P. **Nature** 1986 Dec 18–31;324(6098):605

Human genome sequencing plan wins unanimous approval in US [news] Palca J. **Nature** 1987 Apr 2–8;326(6112):429

Howard Hughes Institute and tax collectors bury the hatchet [news] Palca J. **Nature** 1987 Mar 19–25;326(6110):236

The federal role in nursing education. Abdellah FG. **Nurs Outlook** 1987 Sep–Oct;35(5):224–5

An analysis of the funding to, and by, the Medical Research Council of New Zealand during the period 1973–84. Lee D. **NZ Med J** 1986 Nov 12;99(813):849–51

Research grant applications to the National Institutes of Health in the area of pediatric nephrology—an update. Novello AC. **Pediatr Res** 1986 Nov;20(11):1067–70

Management of the Physiology Program of the Office of Naval Research. Hempel FG. **Physiologist** 1986 Oct; 29(5):191, 198

Clinical research and the MRC. Booth CC. **Q J Med** 1986 May;59(229):435–47

Public concern about the fate and effects of ionizing radiations released into our environment [editorial] McCormick F. **Radiat Res** 1987 Mar;109(3):355–6

Evolution and growth at NSF [editorial] Abelson PH. **Science** 1987 May 22;236(4804):893

R&D eroding at EPA [news] Crawford M. **Science** 1987 May 22;236(4804):904–5

R&D budgets: Congress leaves a parting gift [news] Crawford M. **Science** 1986 Oct 31;234(4776):536–7

NIH urged to forge new ties to Congress [news] Culliton BJ. **Science** 1987 Aug 21;237(4817):841–2

France, Britain boost AIDS funds [news] Dickson D. **Science** 1987 Mar 6;235(4793):1136

Breuning's accuser has grant deferred [news] Holden C. **Science** 1987 Apr 10;236(4798):144

Basic research funding [letter] Pratt J. **Science** 1987 Mar 20; 235(4795):1447

Pork barrel unbound? [news] Walsh J. **Science** 1987 Jul 24; 237(4813):352

"Let genius run free" [letter]Thomasma DC. **South Med J** 1987 Sep;80(9):1199

[Subsidy allocations by the Netherlands Heart Foundation 1980–1985] Chaillet JL. **Ned Tijdschr Geneeskd** 1986 Aug 16;130(33):1492–3 **(Dut)**

[The National Institutes of Health: always good for Nobel Prize recipients. 100 years top research—stipends for new researchers] Hentze S. **Fortschr Med** 1987 Jul 10; 105(20):56–7 **(Ger)**

ECONOMICS

A university perspective on pharmaceutical and industry support of research. Hoppin ME. **Am J Clin Nutr** 1987 Jul;46(1 Suppl):226–8

Funding for physiology or molecular biology from the NHLBI budget [letter] Miller YE. **Am Rev Respir Dis** 1987 Jul;136(1):7

Research dollars for speech–language–hearing. Shewan CM, et al. **ASHA** 1987 Jun;29(6):39

Bias in awarding research grants [letter] **Br Med J [Clin Res]** 1986 Dec 6;293(6560):1500–1

Bias in awarding research grants. Martin B. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):550–2

Research priorities in mental health. Campbell D. **Can J Psychiatry** 1986 Nov;31(8):746–9

Bringing laymen into the research funding fray: "it's essential". Gray C. **Can Med Assoc J** 1987 May 15;136(10):1089–91

To seek or to find. de Champlain J. **Clin Invest Med** 1987 Mar;10(2):103–5

Strengthening biomedical science and institutions [editorial] Bloom BR. **FASEB J** 1987 Sep;1(3):175–6

Costs of research and patent considerations. Vickery BH. **J Androl** 1987 Jan–Feb;8(1):S27–32

Funding for medical care research. Shapiro MF, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):113–8

The microcosm of the arterial wall—a plea for research. Callow AD. **J Vasc Surg** 1987 Jan;5(1):1–18 (139 ref.)

Patient–funded cancer research [letter] **N Engl J Med** 1987 Jul 16;317(3):172

The role of voluntary agencies in the funding of biomedical research [letter] Asbury AK, et al. **N Engl J Med** 1987 Jun 25;316(26):1665

Patient–funded cancer research. Oldham RK. **N Engl J Med** 1987 Jan 1;316(1):46–7

Cuts force UK universities into "glamorous" medical research [news] Johnston K. **Nature** 1987 May 28–Jun 3; 327(6120):262

US administration plans budget increases for basic research [news] Palca J, et al. **Nature** 1987 Jan 8–14;325(7000):96

Private sector support of nursing research. Strickland OL, et al. **Nurs Res** 1987 Jul–Aug;36(4):253–6

Medical Research Council funding [letter] **NZ Med J** 1987 Jan 28;100(816):21

Science budget: more of the same [news] Norman C. **Science** 1987 Jan 9;235(4785):151–3

A five–year analysis of kidney and related diseases research: a National Institutes of Health perspective. Novello AC. **Semin Nephrol** 1986 Jun;6(2):105–13

Improving the chances of successful research funding [editorial] Turner–Warwick M. **Thorax** 1986 Nov; 41(11):817–21

[Methodologic approaches to the development of expanded standards for the cost of biomedical research projects] Gurkalo VK, et al. **Vestn Akad Med Nauk SSSR** 1987; (4):79–84 (Eng. Abstr.) **(Rus)**

HISTORY

Forging a research discipline. Stevenson JS. **Nurs Res** 1987 Jan–Feb;36(1):60–4

LEGISLATION & JURISPRUDENCE

Report of the AFCR Public Policy Committee: current issues in public policy. **Clin Res** 1987 Jan;35(1):21–4

Peer review: the attacks from without. Brandt EN Jr. **Clin Res** 1986 Oct;34(4):473–6

US Congress adds its voice to the genome–sequencing chorus [news] Palca J, et al. **Nature** 1987 Sep 24–30;329(6137):280

A battle over NIH funds [news] Culliton BJ. **Science** 1987 Mar 6;235(4793):1129–30

Misuse of the Freedom of Information Act [letter] Williams JR. **Science** 1987 Jan 9;235(4785):144

STANDARDS

Report blasts human development office [news] Holden C. **Science** 1987 Apr 24;236(4800):386–7

TRENDS

The NIH centennial. Current and prospective funding of biomedical research. A note to Chicken Little: the sky is not falling [editorial] Wyngaarden JB. **Am Rev Respir Dis** 1987 Sep;136(3):541–2

Neurosurgery as a research discipline. Goldstein M. **Clin Neurosurg** 1986;33:115–21

Worldwide trends in funding for contraceptive research and evaluation [published erratum appears in Fam Plann Perspect 1986 Jan–Feb;18(1):26] Atkinson LE, et al. **Fam Plann Perspect** 1985 Sep–Oct;17(5):196–207

Citizens: a new ally for research. Pardes H. **Hosp Community Psychiatry** 1986 Dec;37(12):1193

Animal rights movement ups research costs. Cherskov M. **Hospitals** 1986 Oct 20;60(20):95–6

Not an annual bleat: the MRC annual report for 1985/86 [editorial] **Lancet** 1986 Dec 20–27;2(8521–22):1433

Medical research on the block [news] Hadlington S. **Nature** 1987 Sep 24–30;329(6137):278

Nurturing the biomedical research enterprise. Wyngaarden JB. **P R Health Sci J** 1986 Aug;5(2):43–50

An assessment of NHLBI requests for applications. Roth CA. **Physiologist** 1987 Jun;30(3):35–9

Psychiatric research: the role of the state. Pardes H.

Psychiatr Q 1985 Fall-Winter;57(3-4):193-8

RESERPINE

Impairment of pancreatic acinar function by reserpine in vivo and in vitro. Brannon PM, et al. **In Vitro Cell Dev Biol** 1987 Jun;23(6):429-35

ANALOGS & DERIVATIVES

Determination of reserpine and rescinnamine in Rauwolfia serpentina preparations by liquid chromatography with fluorescence detection. Cieri UR. **J Assoc Off Anal Chem** 1987 May-Jun;70(3):540-6

Liquid chromatography of reserpine and rescinnamine using electrochemical detection. Wang J, et al. **J Chromatogr** 1986 Oct 31;382:343-8

Inhibition of norepinephrine transport and reserpine binding by reserpine derivatives. Parti R, et al. **J Neurochem** 1987 Mar;48(3):949-53

ANALYSIS

Determination of reserpine and rescinnamine in Rauwolfia serpentina preparations by liquid chromatography with fluorescence detection. Cieri UR. **J Assoc Off Anal Chem** 1987 May-Jun;70(3):540-6

Liquid chromatography of reserpine and rescinnamine using electrochemical detection. Wang J, et al. **J Chromatogr** 1986 Oct 31;382:343-8

ANTAGONISTS & INHIBITORS

Reversal by L-threo-3,4-dihydroxyphenylserine (L-threo-DOPS), a L-norepinephrine precursor of reserpine- or tetrabenazine-induced hypothermia. Katsuyama M, et al. **Arch Int Pharmacodyn Ther** 1986 Sep; 283(1):61-70

[Synthesis and pharmacological activity of 3-phenylindazole derivatives] Fujimura Y, et al. **Yakugaku Zasshi** 1986 Nov; 106(11):995-1001 (Eng. Abstr.) **(Jpn)**

METABOLISM

Molecular pharmacology of the monoamine transporter of the chromaffin granule membrane. Henry JP, et al. **Ann NY Acad Sci** 1987;493:194-206 (64 ref.)

Functional molecular mass of binding sites for [3H]dihydrotetrabenazine and [3H]reserpine and of dopamine beta-hydroxylase and cytochrome b561 from chromaffin granule membrane as determined by radiation inactivation. Gasnier B, et al. **Eur J Biochem** 1987 May 15;165(1):73-8

PHARMACODYNAMICS

Effect of reserpine on the differentiation of the external granular layer of the cerebellum in the chick embryo. Espinar A, et al. **Acta Anat (Basel)** 1987;129(4):265-9

PC12 cells: a model system for studying drug effects on dopamine synthesis and release. Kittner B, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):181-94

Effects of kainic acid on hypothermia induced by reserpine, oxotremorine and apomorphine in mice. Bourin M, et al. **Arzneimittelforschung** 1987 Mar;37(3):329-31

Effect of reserpine on the performance of broiler chicks. Abdel-Hakim NF, et al. **Beitr Trop Landwirtsch Veterinarmed** 1987;25(2):205-11

Beta-adrenoceptor sensitivity of brown and white adipocytes after chronic pretreatment of rats with reserpine. Grassby PF, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):155-62

Effects of neonatally administered chlorpromazine and reserpine on the responsiveness of rat hepatic drug-metabolising enzymes to testosterone in adult life. Finnen MJ, et al. **Biol Neonate** 1986;50(5):265-9

The effect of reserpine on sympathetic, purinergic neurotransmission in the isolated mesenteric artery of the dog: a pharmacological study. Muramatsu I. **Br J Pharmacol** 1987 Jul;91(3):467-74

Further confirmation of heterogeneity of the rat striatum: different mosaic patterns of dopamine fibers after administration of methamphetamine or reserpine. Fukui K, et al. **Brain Res** 1986 Sep 10;382(1):81-6

Effects of serotonin, cyproheptadine and reserpine on corticotropin-releasing factor release from the rat hypothalamus in vitro. Nakagami Y, et al. **Brain Res** 1986 Oct 29;386(1-2):232-6

Time course study on the effect of reserpine on hypothalamic immunoreactive CRF levels in rats. Suda T, et al. **Brain Res** 1987 Mar 10;405(2):247-52

The effects of atropine and reserpine on cortical kindling in the rat. Racine R, et al. **Can J Neurol Sci** 1979 Feb; 6(1):47-51

Similarity of clozapine and SCH 23390 in reserpinized rats suggests a common mechanism of action. Chipkin RE, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):371-5

Sympathetic nerve-mediated release of ATP from the guinea-pig vas deferens is unaffected by reserpine. Kirkpatrick K, et al. **Eur J Pharmacol** 1987 Jun 19; 138(2):207-14

Effects of two tranquilizers, reserpine and chlorpromazine, on neurosecretory cells and the ovary of the fiddler crab, Uca pugilator. Kulkarni GK, et al. **Gen Pharmacol** 1986; 17(6):671-83

Influence of reserpine on in vivo localization of injected lymph node cells in the mouse. Bellavia A, et al. **Immunology** 1987 Feb;60(2):239-45

Effect of serpasil on glycoprotein metabolism in deoxycorticoid acetate and salt administered alloxan diabetic rats. Verghease S, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):182-6

Influence of reserpine and guanethidine on the responses of the isolated rat ileum to catecholamines. Khalighi MR, et al. **Indian J Physiol Pharmacol** 1986 Apr-Jun;30(2):191-4

Reserpine-induced alterations in the processing of proenkephalin in cultured chromaffin cells. Increased amidation. Lindberg I. **J Biol Chem** 1986 Dec 15; 261(35):16317-22

Abnormal 45Ca fluxes in dispersed submandibular acini of rats treated with reserpine. Müller RM, et al. **J Dent Res** 1987 Aug;66(8):1294-9

Secretion of [Met]enkephalyl-Arg6-Phe7-related peptides and catecholamines from bovine adrenal chromaffin cells: modification by changes in cyclic AMP and by treatment with reserpine. Adams M, et al. **J Neurochem** 1987 Jul; 49(1):208-15

Amphetamine and reserpine deplete brain biogenic amines and alter blow fly feeding behavior. Brookhart GL, et al. **J Neurochem** 1987 Apr;48(4):1307-15

Effects of reserpine and tetrabenazine on catecholamine and ATP storage in cultured bovine adrenal medullary chromaffin cells. Caughey B, et al. **J Neurochem** 1987 Aug; 49(2):563-73

Differential recovery rates of rat D2 dopamine receptors as a function of aging and chronic reserpine treatment following irreversible modification: a key to receptor regulatory mechanisms. Norman AB, et al. **J Neurosci** 1987 May;7(5):1484-91

Modulation in vitro and in vivo of ACNU resistance in a subline of C6 glioma with reserpine. Yoshida T, et al. **J Neurosurg** 1987 Feb;66(2):251-5

Characteristics of adaptive supersensitivity in the left atrium of the guinea pig. Hawthorn MH, et al. **J Pharmacol Exp Ther** 1987 May;241(2):453-7

Norepinephrine depletion and sensitivity changes in rat heart induced by pretreatment with reserpine. Rice PJ, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):764-71

Effects of reserpine treatment on the ultrastructure of rat parotid and submandibular gland. Müller RM, et al. **J Submicrosc Cytol** 1987 Apr;19(2):283-9

Morphine analgesia without development of tolerance in reserpinized mice. Kaneto H, et al. **Jpn J Pharmacol** 1986 Oct;42(2):169-73

Nigral-induced decrease in striatal blood flow and the influence on this decrease of several drugs in reserpinized and non-reserpinized cats. Yanagihashi R. **Jpn J Pharmacol** 1986 Aug;41(4):487-95

Age-related changes in metabolic responses to chronic monoamine depletion in central dopaminergic and serotonergic systems of rats treated with reserpine. Algeri S, et al. **Neurobiol Aging** 1987 Jan-Feb;8(1):61-6

The synthesis of NPY and DBH is independently regulated in adrenergic nerves after reserpine. Dahlström A, et al. **Neurochem Res** 1987 Mar;12(3):221-5

Comparison of the acute actions of amine-depleting drugs and dopamine receptor antagonists on dopamine function in the brain in rats. Hong M, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):237-45

Reserpine-induced up-regulation of dopamine D2 receptors in the rat striatum is enhanced by denervation but not by chronic receptor blockade. Traub M, et al. **Neurosci Lett** 1986 Oct 8;70(2):245-9

Effect of reserpine, phenoxybenzamine and cold stress on the neuropeptide Y content of the rat peripheral nervous system. Allen JM, et al. **Neuroscience** 1986 Dec; 19(4):1251-4

The effect of 6-hydroxydopamine, reserpine and cold stress on the neuropeptide Y content of the rat central nervous system. Schon F, et al. **Neuroscience** 1986 Dec; 19(4):1247-50

Behavioural role of dopamine D1 receptors in the reserpine-treated mouse. Starr BS, et al. **Neuroscience** 1987 Jul;22(1):179-88

Effects of malnutrition and chronic reserpine treatment on pancreatic exocrine function. Hazlett D, et al. **Pediatr Res** 1986 Dec;20(12):1236-9

The effect of chronic imipramine and electroconvulsive shock treatment on [3H]DADLE binding to cortical membranes of rats pretreated with chronic reserpine or 6-hydroxydopamine. Antkiewicz-Michaluk L, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):203-6

Potentiated 5-hydroxytryptophan induced response suppression in rats following chronic reserpine. Brugge KL, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):287-91

Reserpine-induced hypothermia: participation of beta 1 and beta 2 adrenergic receptors. Francès H, et al. **Pharmacol Biochem Behav** 1987 May;27(1):21-4

Effects of saliva from chronically reserpinized rat on Na and K transport in perfused main excretory duct of submandibular gland of normal rat. Jirakulsomchok D, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):392-5

Met-enkephalyl-Arg6-Phe7 immunoreactivity in a human neuroblastoma cell line: effect of dibutyryl 3':5'-cyclic AMP and reserpine. Boarder MR, et al. **Regul Pept** 1986 Dec 30;16(3-4):251-9

Inhibitory effect of reserpine on N-2-fluorenylacetamide-induced hepatocarcinogenesis in rats. Sugie S, et al. **Toxicol Lett** 1987 Jul;37(2):115-9

Cytological changes in the prolactin cells of the pituitary of the freshwater teleost Cirrhinus mrigala (Ham.), in response to osmotic stress and reserpine. Joy KP. **Z Mikrosk Anat Forsch** 1986;100(3):500-5

[Effect of reserpine on the lactose, iron and lactoferrin content of the milk of lactating rabbits] Mutafchiev D. **Eksp Med Morfol** 1987;26(2):35-9 (Eng. Abstr.) **(Bul)**

[Studies on factors affecting the actions of reserpine and pargyline on normal pain thresholds in mice and rats, and on the modification of morphine analgesia] Hong GX, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):806-10 (Eng. Abstr.) **(Chi)**

[Effect of GABA-linoleamide and glycine-linoleamide on catalepsy in the rat after chronic administration of reserpine] Vamvakidès A. **Agressologie** 1986 Nov; 27(10):835-7 (Eng. Abstr.) **(Fre)**

[Effects of GABA-ergic and glycinergic agents on pentamethylenetetrazole-induced convulsions in rats submitted to repeated injections of reserpine] Vamvakidès A. **Agressologie** 1986 Sep;27(8):673-5 (Eng. Abstr.) **(Fre)**

[Effect of glycine steatamide on the rectal temperature of rats treated with reserpine] Vamvakidès A. **Ann Pharm Fr** 1986;44(5):411-6 (Eng. Abstr.) **(Fre)**

[Effect of experimental reserpine-induced stomach ulcers in rats on the enterochromaffin cells and the level of serotonin and 5-hydroxyindoleacetic acid in stomach and duodenum] Orlicz G, et al. **Z Mikrosk Anat Forsch** 1986;100(6):928-38 (Eng. Abstr.) **(Ger)**

[Enhancing effect of reserpine upon the cytotoxicity of ACNU on ACNU-resistant glioma cells] Yoshida T, et al. **Neurol Med Chir (Tokyo)** 1986 Dec;26(12):925-30 (Eng. Abstr.) **(Jpn)**

POISONING

[Case report on the clinical aspects and treatment of stomach ulcers caused by acute reserpine poisoning] Tashev T, et al. **Vutr Boles** 1987;26(1):107-9 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

The treatment of intraarterial pentazocine injection injuries with intraarterial reserpine. Stueber K. **Ann Plast Surg** 1987 Jan;18(1):41-6

Effect of reserpine on salivary gland radioiodine uptake in thyroid cancer. Levy HA, et al. **Clin Nucl Med** 1987 Apr; 12(4):303-7

Treatment of refractory depression with combination reserpine and tricyclic antidepressant therapy. Amsterdam JD, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):238-42

Reserpine augmentation of desipramine in refractory depression: clinical and neurobiological effects. Price LH, et al. **Psychopharmacology (Berlin)** 1987;92(4):431-7

[Action of nonachlazine on the creatine phosphokinase and acid phosphatase activity and on the lysosomal membrane stability of the ischemic myocardium in rats after preliminary reserpinization] Sysoliatina NA. **Farmakol Toksikol** 1986 Jul-Aug;49(4):77-81 (Eng. Abstr.) **(Rus)**

[Experience with using sinepress in hypertension] Orlov VM, et al. **Klin Med (Mosk)** 1987 Apr;65(4):30-1 (Eng. Abstr.) **(Rus)**

TOXICITY

Effect of prenatal reserpine exposure on development of the postnatal rat heart. Harmon JR, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):347-55

[Effect of glycine linoleamide on haloperidol and reserpine catalepsy in the rat] Vamvakidès A. **Agressologie** 1986 May; 27(6):481-3 (Eng. Abstr.) **(Fre)**

RESERVE CELL CARCINOMA see **CARCINOMA, OAT CELL**

RESIDENCE CHARACTERISTICS

Constraints to the fulfillment of residential preferences among Texas homebuyers. Hwang SS, et al. **Demography** 1987 Feb; 24(1):61-76

Age and attitudes toward multigenerational residence, 1973 to 1983. Okraku IO. **J Gerontol** 1987 May;42(3):280-7

A comparative examination of the residential segregation of persons 65 to 74 and persons 75 and above in 18 United States metropolitan areas for 1970 and 1980. Tierney JP. **J Gerontol** 1987 Jan;42(1):101-6

Perinatal data using geographically defined populations [letter] Murphy JF, et al. **Lancet** 1986 Sep 20;2(8508):696

Strategies for investigating effects of residential context. A study of depressed mood and major depression. Goldsmith HF, et al. **Res Aging** 1986 Dec;8(4):609-35

Influence of smoking habits and place of residence on the risk of lung cancer among workers in one rock-wool producing plant in Denmark. Olsen JH, et al. **Scand J Work Environ Health** 1986;12 Suppl 1:48-52

[Effect of place of residence on the prevalence of mental disorders in old age] Krzymiński S. **Psychiatr Pol** 1986 May-Jun;20(3):238-9 **(Pol)**

[Experience with the physiologic classification of weather for evaluation of the buildings of Baku and the winter clothing of the populace] Bakhramova LA. **Gig Sanit** 1987 Feb;(2):75-6 **(Rus)**

[Hygienic problems in a residential environment] Gubernskiĭ

IuD. **Gig Sanit** 1987 Feb;(2):4–6 **(Rus)**
[Use of the principles of systems analysis in the hygienic assessment of a residential environment] Gubernskii IuD, et al. **Gig Sanit** 1987 Feb;(2):33–7 **(Rus)**
[Modern methodologic technics for using expert assessment and their mathematical processing in residential hygiene] Skobareva ZA, et al. **Gig Sanit** 1987 Feb;(2):12–5 (Eng. Abstr.) **(Rus)**

RESIDENCY, DENTAL see **INTERNSHIP AND RESIDENCY**

RESIDENCY, MEDICAL see **INTERNSHIP AND RESIDENCY**

RESIDENCY, NONMEDICAL see **INTERNSHIP, NONMEDICAL**

RESIDENTIAL FACILITIES

Comparisons of perceptions of the environments of adolescent drug treatment residential and outpatient programs by staff versus clients and by sex of staff and clients. Friedman AS, et al. **Am J Drug Alcohol Abuse** 1986; 12(1–2):31–52
Client characteristics and residential placement patterns. Borthwick–Duffy SA, et al. **Am J Ment Defic** 1987 Jul; 92(1):24–30
Comparison of elderly and adult mentally retarded persons in community and institutional settings. Krauss MW, et al. **Am J Ment Defic** 1986 Nov;91(3):237–43
Dispersion guidelines for community residences in Westchester County [news] Friedman SJ.
Am J Public Health 1987 May;77(5):643–4
An eco–behavioral analysis of small community–based houses and traditional large hospitals for severely and profoundly mentally handicapped adults. Felce D, et al.
Appl Res Ment Retard 1986;7(4):393–408
Arriving, settling–in, settling–down, leaving and following–up: stages of stay at the Arbours Centre. Berke JH. **Br J Med Psychol** 1987 Jun;60 (Pt 2):181–8
A haven for the severely disabled within the context of a comprehensive psychiatric community service. Wing JK, et al. **Br J Psychiatry** 1986 Oct;149:449–57
Investigating institutional abuse: a post–substantiation model. Kelleher ME. **Child Welfare** 1987 Jul–Aug;66(4):343–51
Institutional child protection: issues in program development and implementation. Rindfleisch N, et al. **Child Welfare** 1987 Jul–Aug;66(4):329–42
Effects of operational factors on pollutant emission rates from residential gas appliances. Relwani SM, et al.
J Air Pollut Control Assoc 1986 Nov;36(11):1233–7
Changes in life expectancy of mentally retarded persons in Canadian institutions: a 12–year comparison. Wolf LC, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):41–59
Follow–up of adults with mental retardation transferred from large institutions to new small units. Hemming H.
Ment Retard 1986 Aug;24(4):229–35
Dependency levels of elderly people in institutional care in Canterbury. Sainsbury R, et al. **NZ Med J** 1986 May 28; 99(802):375–6
Institutions versus community placements: the effects of different residential environments on the behaviour of intellectually handicapped adults. Webb OJ, et al.
NZ Med J 1986 Dec 10;99(815):951–4
Inebriety, doctors, and the state. Alcoholism treatment institutions before 1940. Baumohl J, et al.
Recent Dev Alcohol 1987;5:135–74
[Care of adult mentally retarded patients in institutions. Comparative study of homes and cantonal psychiatric clinics in the city and environs of Basle] Kuster C, et al. **Soz Praventivmed** 1986;31(6):290–3 (Eng. Abstr.) **(Ger)**

MANPOWER

Validation of a job satisfaction instrument for residential–care employees. Sluyter GV, et al. **Ment Retard** 1986 Aug; 24(4):223–7

ORGANIZATION & ADMINISTRATION

The psychiatric health facility: an alternative for acute inpatient treatment in a nonhospital setting. Moltzen S, et al. **Hosp Community Psychiatry** 1986 Nov;37(11):1131–5
Nutrition priority system: a model for patient care [published erratum appears in J Am Diet Assoc 1987 Aug;87(8):1103] McClusky KW, et al. **J Am Diet Assoc** 1987 Feb; 87(2):200–3
Locally–based residential services for mentally handicapped adults: a comparative study. Shah A, et al.
Psychol Med 1987 Aug;17(3):763–74
[Hygienic problems in the planning of boarding schools in Cuba and in organizing the educational and occupational activities] Sukharev AG, et al. **Gig Sanit** 1987 Jun;(6):56–8 **(Rus)**

STANDARDS

A model for the development and implementation of a quality assurance programme in a long term care facility. Jackson MR. **Aust Clin Rev** 1986 Jun;6(21):81–7
Health care needs in children's homes. Danilewitz D, et al. **S Afr Med J** 1987 Mar 21;71(6):346
[Ways of improving living conditions of the families of military personnel in military settlements] Zakharchenko MP, et al. **Voen Med Zh** 1987 Feb;(2):40–2 **(Rus)**

SUPPLY & DISTRIBUTION

Facilities for the mentally handicapped in the Western Cape. Some pressing needs. Grover VM, et al. **S Afr Med J** 1987 Jan 24;71(2):85–7

RESIDENTIAL MOBILITY

Constraints to the fulfillment of residential preferences among Texas homebuyers. Hwang SS, et al. **Demography** 1987 Feb; 24(1):61–76
Changing living arrangements: a hazard model of transitions among household types. Richards T, et al. **Demography** 1987 Feb;24(1):77–97
Frequency of geographic mobility: findings from the National Health Interview Survey. Tucker CJ, et al. **Demography** 1987 May;24(2):265–70
Geographic mobility and the homeless mentally ill. Bachrach LL. **Hosp Community Psychiatry** 1987 Jan;38(1):27–8
Infant mortality in relation to internal migration in rural Bangladesh. Chowdhury AK. **J Biosoc Sci** 1986 Oct; 18(4):449–56
Migration and fertility behaviour in England and Wales: a record linkage study. Grundy E. **J Biosoc Sci** 1986 Oct; 18(4):403–23
Residential moves by elderly persons to U.S. central cities, suburbs, and rural areas. Golant SM. **J Gerontol** 1987 Sep; 42(5):534–9
A regional scale temporal analysis of the net migration patterns of elderly persons over time. Meyer JW.
J Gerontol 1987 Jul;42(4):366–75
Determinants of interstate migration: differences between elderly and nonelderly movers. Serow WJ. **J Gerontol** 1987 Jan;42(1):95–100
Distance versus destination: stream selectivity of elderly interstate migrants. Yeatts DE, et al. **J Gerontol** 1987 May; 42(3):288–94
Adolescents' reactions to the evacuation of the Sinai settlements: a longitudinal study. Sagy S, et al.
J Psychol 1986 Nov;120(6):543–56
Psychological and physiological manifestations of relocation. Bourestom N. **Psychiatr Med** 1984 Apr;2(1):57–90
Determinants of the seasonal migration of the elderly to Sunbelt states. Hogan TD. **Res Aging** 1987 Mar;9(1):115–33
Texas snowbirds. Seasonal migrants to the Rio Grande Valley. Martin HW, et al. **Res Aging** 1987 Mar;9(1):134–47
[Interpretation of a number of demographic indices in the North] Orekhov KV, et al. **Sov Zdravookhr** 1986;(9):27–31 **(Rus)**

RESIDENTIAL TREATMENT

Out–of–home child placement and family adaptation: a theoretical framework. Cole DA. **Am J Ment Defic** 1986 Nov;91(3):226–36
A psychological profile of juvenile firesetters in residential treatment: a replication study. Sakheim GA, et al.
Child Welfare 1986 Sep–Oct;65(5):495–503
Evaluation of a residential alcoholism treatment programme. Coll P, et al. **Ir Med J** 1987 Jun;80(6):173
Social and emotional adjustment in deaf adolescents after transfer to a residential school for the deaf. Lytle RR, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar; 26(2):237–41
A longitudinal study of numbers of males and females in mental retardation services by age, IQ and placement. Richardson SA, et al. **J Ment Defic Res** 1986 Sep;30 (Pt 3):291–300
Residential program characteristics for completion of treatment by adolescent drug abusers. Friedman AS, et al. **J Nerv Ment Dis** 1987 Jul;175(7):419–24
The Residential Treatment Facility, William Beaumont Army Medical Center. Kruzich DJ. **J Subst Abuse Treat** 1987; 4(1):55–7
Family therapy and reductions in treatment dropout in a residential therapeutic community for chemically dependent adolescents. Weidman A.
J Subst Abuse Treat 1987;4(1):21–8
Two examples of monitoring and evaluating quality and appropriateness of care: a residential treatment center and hospice. **QRB** 1987 Feb;13(2):65–8
[The child psychiatry clinic as residential and living space. Experiences in the new development of a pediatric and adolescent station] Müller–Küppers M, et al.
Prax Kinderpsychol Kinderpsychiatr 1987 May–Jun; 36(4):139–44 (Eng. Abstr.) **(Ger)**
[Comparative description of the clientele of an educational psychotherapeutic home for children with behavior disorders] Hebborn–Brass U, et al.
Z Kinder Jugenpsychiatr 1987;15(1):43–56 (Eng. Abstr.) **(Ger)**
[Residential center for alcoholics. A multimodal behavior therapy approach] Fliman M, et al. **Minerva Psichiatr** 1987 Jan–Mar;28(1):43–9 (Eng. Abstr.) **(Ita)**
[On the therapeutic effect of the group home for schizophrenics] Inamura S. **Seishin Shinkeigaku Zasshi** 1987;89(3):163–81 **(Jpn)**

MANPOWER

Validation of a job satisfaction instrument for residential–care employees. Sluyter GV, et al. **Ment Retard** 1986 Aug; 24(4):223–7

METHODS

Organization and management of an in–patient treatment unit for adolescents. Perinpanayagam KS. **J Adolesc** 1987 Jun; 10(2):133–48
The function of food in residential treatment. Rose M.
J Adolesc 1987 Jun;10(2):149–62

STANDARDS

Protection and advocacy agencies: national survey of efforts to prevent residential abuse and neglect. Zuckerman M, et al. **Ment Retard** 1986 Aug;24(4):197–201

RESIDUAL VOLUME see under **LUNG VOLUME MEASUREMENTS**

RESINS

A comparison of the utility of Dowex resin and polybenzimidazole Aurorez resin in the determination of urinary porphobilinogen concentrations. Galbraith RA, et al. **Clin Chim Acta** 1987 Apr 30;164(2):235–9
A technique for simultaneous microangiographic and cytochemical investigation of resin–embedded tissues. van Dale P, et al. **Invest Radiol** 1986 Sep;21(9):714–6
The use of lead methacrylate 2–ethylhexanoate to create a radio–opaque resin suitable for microvascular corrosion casting. Burton GJ, et al. **J Microsc** 1986 Sep;143 (Pt 3):313–7
Basic studies on visible light–curing resin as a denture base. Part 5—Its junctional strength with resin teeth. Ishigami K, et al. **J Nihon Univ Sch Dent** 1987 Mar;29(1):35–41
The influence of enamel prism orientation on leakage of resin–bonded restorations. Crawford PJ, et al.
J Oral Rehabil 1987 May;14(3):283–9
Covalent attachment of oligonucleotides to solid supports. Ghosh SS, et al. **Nucleic Acids Res** 1987 Jul 10; 15(13):5353–72
[Comparison of the disintegration and dissolution of suzhilawan and fanzhilawan] Fan SZ.
Chung Yao Tung Pao 1987 Jan;12(1):30–2 **(Chi)**
[Injection of rapid hardening resin in the cerebral microcirculation of the human] Maccotta V, et al.
Boll Soc Ital Biol Sper 1987 Jan 31;63(1):39–44 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

[Therapeutic endoscopy in the selection of duodenal ulcer patients for surgical treatment] Kabanov AN, et al.
Klin Khir 1986;(8):39–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Colophony in collodion [letter] O'Brien TJ.
Australas J Dermatol 1986 Dec;27(3):142–3
Allergy to colophony acquired backstage. Aberer W.
Contact Dermatitis 1987 Jan;16(1):34–6
Allergic contact dermatitis to colophony in a violoncellist. Angelini G, et al. **Contact Dermatitis** 1986 Aug;15(2):108
Patch testing with colophony at 60% concentration. Bruze M, et al. **Contact Dermatitis** 1986 Sep;15(3):193
Colophony, perfumes and paper handkerchiefs. Burry JN. **Contact Dermatitis** 1986 Nov;15(5):304–5
Contact cheilitis to shellac, Lanpol 5 and colophony. Rademaker M, et al. **Contact Dermatitis** 1986 Nov; 15(5):307–8
Contact dermatitis from propolis: role of gastrointestinal absorption. Trevisan G, et al. **Contact Dermatitis** 1987 Jan; 16(1):48
Sensitivity to propolis. Young E. **Contact Dermatitis** 1987 Jan;16(1):49–50
Exposure to formaldehyde and cancer mortality in a cohort of workers producing resins. Bertazzi PA, et al.
Scand J Work Environ Health 1986 Oct;12(5):461–8
[Propolis allergy] Blanken R, et al.
Ned Tijdschr Geneeskd 1987 Jun 27;131(26):1121–3 (Eng. Abstr.) **(Dut)**
[Hypersensitivity to propolis, sensitization method and cross reactions] Rudzki E, et al. **Pol Tyg Lek** 1987 Jan 12; 42(2):40–2 (Eng. Abstr.) **(Pol)**
[Primary and secondary allergy to propolis] Rudzki E, et al. **Przegl Dermatol** 1987 Jan–Feb;74(1):11–4 **(Pol)**

POISONING

Contact dermatitis from propolis. Cirasino L, et al.
Contact Dermatitis 1987 Feb;16(2):110–1

THERAPEUTIC USE

Imipramine poisoning in a child: lack of efficacy of resin hemoperfusion. Ryan R 3d, et al. **Pediatr Emerg Care** 1985 Dec;1(4):201–4
[Ulcerative lesions of the oral mucosa treated by propolis] Shen SL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul; 21(4):209–11 **(Chi)**
[Use of an ethanol extract of propolis in the treatment of vaginitis and conditions after electrocoagulation of cervical erosion] Krasnodebski J, et al. **Ginekol Pol** 1986 Jul; 57(7):471–8 (Eng. Abstr.) **(Pol)**
[Effect of mumie on the healing of suppurative wounds]

Tazhimametov BT, et al. **Klin Khir** 1987;(1):51–2 (Eng. Abstr.) **(Rus)**

[Treatment of chronic gastroduodenal ulcers by local administration of propolis] Korochkin IM, et al. **Sov Med** 1986;(10):105–7 **(Rus)**

[Results of treating varicose ulcer patients with propolis] Savova I. **Vestn Dermatol Venerol** 1987;(1):56–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Comparison of chronic inhalation effects in rodents after long-term exposure to either coal oven flue gas mixed with pyrolized pitch or diesel engine exhaust. Heinrich U, et al. **Dev Toxicol Environ Sci** 1986;13:441–57

Morphologic effects of inhaled diesel engine exhaust on lungs of rats: comparison with effects of coal oven flue gas mixed with pyrolyzed pitch. Mohr U, et al. **Dev Toxicol Environ Sci** 1986;13:459–70

RESINS, SYNTHETIC

Tensile bond strengths of orthodontic bonding resins and attachments to etched enamel. Bryant S, et al. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):225–31

Optical hazard evaluation of dental curing lights. Eriksen P, et al. **Community Dent Oral Epidemiol** 1987 Aug; 15(4):197–201

Investigation of bilirubin removal by NK-110 resin hemoperfusion in jaundiced dogs. Ji-Chang S, et al. **Int J Artif Organs** 1986 Sep;9(5):327–30

Potential retinal hazards of visible-light photopolymerization units. Satrom KD, et al. **J Dent Res** 1987 Mar;66(3):731–6

Improved preservation of glycogen in unfixed cyanobacteria embedded at -82 degrees C in nanoplast. Frösch D, et al. **J Histochem Cytochem** 1987 Jan;35(1):119–21

Evaluation of hard direct reline resins. Bunch J, et al. **J Prosthet Dent** 1987 Apr;57(4):512–9

Fracture toughness of provisional resins for fixed prosthodontics. Gegauff AG, et al. **J Prosthet Dent** 1987 Jul;58(1):23–9

A new visible light-cured resin system applied to removable prosthodontics. Ogle RE, et al. **J Prosthet Dent** 1986 Oct; 56(4):497–506

The effect of metal retentive designs on resin veneer retention. Shue SL, et al. **J Prosthet Dent** 1987 Sep; 58(3):297–305

Clinical and experimental observations on resinifying therapy. Wu MK, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):441–8

Implants in the abdominal wall of the rat. Thomsen P, et al. **Scand J Plast Reconstr Surg** 1986;20(2):173–82

ADVERSE EFFECTS

Sensitization to phenol formaldehyde resin in rubber glue. van der Willigen AH, et al. **Contact Dermatitis** 1987 May; 16(5):291–2

[Occupational asthma from the use of synthetic resins. Personal case histories and a review of the literature] Avolio G, et al. **Minerva Med** 1986 Oct 13;77(39):1807–12 (25 ref.) (Eng. Abstr.) **(Ita)**

[Effect of breakdown products of carbamido-formaldehyde resins on the cardiovascular system of foundry workers] Shestakov NM, et al. **Gig Tr Prof Zabol** 1987 Jul;(7):32–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Dentin bonding systems: an update. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1987 Jan;114(1):91–5

TOXICITY

[Experimental research on the specific types of biological action of synthetic resin-based varnish and painting materials] Bokov AN, et al. **Gig Sanit** 1986 Dec;(12):80–2 **(Rus)**

RESISTANCE FACTORS see **R FACTORS**

RESISTANCE, NATURAL see **IMMUNITY, NATURAL**

RESISTANCE TRANSFER FACTOR see **F FACTOR**

RESORCINOLS

ANALYSIS

Stability of zearalenone in naturally contaminated corn during Nigerian traditional brewing. Okoye ZS. **Food Addit Contam** 1987 Jan-Mar;4(1):57–9

Liquid chromatographic determination of zearalenone and zearalenol in animal feeds and grains, using fluorescence detection. Bagneris RW, et al. **J Assoc Off Anal Chem** 1986 Sep-Oct;69(5):894–8

Radioimmunoassay of the anabolic agent zeranol. V. Residues of zeranol in the edible tissues, urine, faeces and bile of steers treated with Ralgro. Dixon SN, et al. **J Vet Pharmacol Ther** 1986 Dec;9(4):353–8

[Studies on the chemical analysis of mycotoxin (XIV). Analytical results on zearalenone in baby foods] Isohata E, et al. **Eisei Shikenjo Hokoku** 1986;(104):142–4 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Production of deoxynivalenol and zearalenone by isolates of Fusarium graminearum Schw. Megalla SE, et al. **J Basic Microbiol** 1986;26(7):415–9

ISOLATION & PURIFICATION

Isolation of smooth muscle relaxing 1,3-diaryl-propan-2-ol derivatives from Acacia tortilis. Hagos M, et al. **Planta Med** 1987 Feb;53(1):27–31

METABOLISM

Conversion of zearalenone to zearalenone glycoside by Rhizopus sp. Kamimura H. **Appl Environ Microbiol** 1986 Sep;52(3):515–9

Effects of calcium ion on ternary complexes formed between 4-(2-pyridylazo)resorcinol and the two-zinc insulin hexamer. Kaarsholm NC, et al. **Biochemistry** 1987 Feb 10; 26(3):883–90

Radioimmunoassay of the anabolic agent zeranol. V. Residues of zeranol in the edible tissues, urine, faeces and bile of steers treated with Ralgro. Dixon SN, et al. **J Vet Pharmacol Ther** 1986 Dec;9(4):353–8

Metabolism of high concentrations of dietary zearalenone by young male turkey poults. Olsen M, et al. **Poult Sci** 1986 Oct;65(10):1905–10

The metabolism of zearalenone in subcellular fractions from rabbit and hen hepatocytes and its estrogenic activity in rabbits. Pompa G, et al. **Toxicology** 1986 Dec 1;42(1):69–75

PHARMACODYNAMICS

Effects of zeranol on reproduction in beef bulls: scrotal circumference, serving ability, semen characteristics, and pathologic changes of the reproductive organs. Deschamps JC, et al. **Am J Vet Res** 1987 Jan;48(1):137–47

Effects of zeranol on reproduction in beef bulls: luteinizing hormone, follicle-stimulating hormone, and testosterone secretion in response to gonadotropin-releasing hormone and human chorionic gonadotropin. Deschamps JC, et al. **Am J Vet Res** 1987 Jan;48(1):31–6

The effect of zeranol and testosterone on Merino wethers exposed to highly oestrogenic subterranean clover pasture. Gardner JJ, et al. **Aust Vet J** 1986 Jun;63(6):188–90

Weight gain in steer and heifer calves treated with zeranol or oestradiol 17 beta. Sawyer GJ. **Aust Vet J** 1987 Feb; 64(2):46–8

Flow cytometry evaluation of testicular and sperm cells obtained from bulls implanted with zeranol. Ballachey BE, et al. **J Anim Sci** 1986 Sep;63(3):995–1004

Blood and serum components and organ weights in steers, bulls and zeranol-implanted bulls. Doornenbal H, et al. **J Anim Sci** 1987 Feb;64(2):489–96

Implanting young bulls with zeranol from birth to four slaughter ages: III. Growth performance and endocrine aspects. Gray DG, et al. **J Anim Sci** 1986 Sep;63(3):747–56

Effects of zeranol and trenbolone acetate on testis function, live weight gain and carcass traits of bulls. Silcox RW, et al. **J Anim Sci** 1986 Aug;63(2):358–68

Effects of zeranol-implantation periods on palatability of longissimus steaks from young bulls and steers. Unruh JA, et al. **J Anim Sci** 1987 Jul;65(1):165–72

Low concentrations of zearalenone in diets of boars for a prolonged period of time. Young LG, et al. **J Anim Sci** 1986 Oct;63(4):1197–200

Low concentrations of zearalenone in diets of mature gilts. Young LG, et al. **J Anim Sci** 1986 Oct;63(4):1191–6

Esterogenic effect of zearalenone on the uterine acetyl cholinesterase in female rats. Nassar AY, et al. **Mycopathologia** 1987 Mar;97(3):173–8

[Induction of fetal thymidine kinase by phyto-estrogens in the immature rat uterus] Touffet S, et al. **C R Soc Biol (Paris)** 1987;181(2):122–7 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Treatment of circumscribed scleroderma in childhood] Nagy E, et al. **Z Hautkr** 1987 Apr 1;62(7):547–9 (Eng. Abstr.) **(Ger)**

TOXICITY

Suppression of immune response in the B6C3F1 mouse after dietary exposure to the Fusarium mycotoxins deoxynivalenol (vomitoxin) and zearalenone. Pestka JJ, et al. **Food Chem Toxicol** 1987 Apr;25(4):297–304

A subchronic, teratologic, and dominant lethal study of 2-methylresorcinol in rats. II. Teratologic and dominant lethal study. Re TA, et al. **Fundam Appl Toxicol** 1986 Aug; 7(2):293–8

A subchronic, teratologic, and dominant lethal study of 2-methylresorcinol in rats. I. Subchronic toxicity. Re TA, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):287–92

Estrogenic potencies of resorcylic acid lactones and 17 beta-estradiol in female rats. Everett DJ, et al. **J Toxicol Environ Health** 1987;20(4):435–43

[Changes in the genital tract of female swine after feeding with practice-relevant amounts of zearalenone] Bauer J, et al. **Tierarztl Prax** 1987;15(1):33–6 (Eng. Abstr.) **(Ger)**

RESORTS see **HEALTH RESORTS**

RESPIRATION

see related
APNEA
BREATHING EXERCISES
DYSPNEA

CO2 production and breathing pattern during invasive and non-invasive respiratory monitoring. Eriksson I, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):438–43

Gas exchange during thoracotomy in children. A study using the single-breath test for CO2. Fletcher R. **Acta Anaesthesiol Scand** 1987 Jul;31(5):391–6

Pulmonary ventilation and gas exchange in children anaesthetized with halothane, enflurane and isoflurane. Johannesson GP, et al. **Acta Anaesthesiol Scand** 1987 Jul; 31(5):375–80

Rebreathing and ventilatory response to different fresh gas flows in the Bain and Lack systems. A clinical study. Jonsson LO, et al. **Acta Anaesthesiol Scand** 1987 Feb; 31(2):179–86

Influence of the respiratory flow pattern on rebreathing in Mapleson A and D circuits. Jonsson LO, et al. **Acta Anaesthesiol Scand** 1987 Feb;31(2):174–8

Fresh gas flow in coaxial Mapleson A and D circuits during spontaneous breathing. Jonsson LO, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):588–93

Carbon dioxide tensions in infants during mask anaesthesia with spontaneous ventilation. Larsson LE, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):273–5

Inhibition of phrenic nerve activity during positive-pressure ventilation at high and low frequencies. Norsted T, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):521–8

Pulmonary ventilation, CO2 response and inspiratory drive in spontaneously breathing young infants during halothane anaesthesia. Olsson AK, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):431–7

Heart rate-respiration relationship: computerized method for early assessment of cardiac autonomic damage in diabetic patients. Bernardi L, et al. **Acta Cardiol (Brux)** 1986; 41(3):197–206

Exercise stress testing in angina patients with positive response to hyperventilation testing: influence of the coronary artery tone. Rasmussen K, et al. **Acta Med Scand** 1986;220(2):109–15

Epidemiological analysis of the increased risk of disturbed neonatal respiratory adaptation after caesarean section. Krantz ME, et al. **Acta Paediatr Scand** 1986 Sep;75(5):832–9

Long-term follow-up of ventilator treated low birthweight infants. I. Chest X-ray, pulmonary mechanics, clinical lung disease and growth. Lindroth M, et al. **Acta Paediatr Scand** 1986 Sep;75(5):819–26

Efficiency of ventilation in neonatal pulmonary maladaptation. Sandberg K, et al. **Acta Paediatr Scand** 1987 Jan;76(1):30–6

Split-respiratory centre in the dog. Gromysz H, et al. **Acta Physiol Pol** 1986 Jul-Aug;37(4-5):228–31

Effects of anaemia and stepwise-induced polycythaemia on maximal aerobic power in individuals with high and low haemoglobin concentrations. Celsing F, et al. **Acta Physiol Scand** 1987 Jan;129(1):47–54

Arterial P CO2 and lung ventilation in man exposed to 1-5% CO2 in the inspired gas. Ellingsen I, et al. **Acta Physiol Scand** 1987 Mar;129(3):269–76

CO2 sensitivity in humans breathing 1 or 2% CO2 in air. Ellingsen I, et al. **Acta Physiol Scand** 1987 Feb; 129(2):195–202

The relationship between the respiratory quotient and the energy equivalent of oxygen during simultaneous glucose and lipid oxidation and lipogenesis. Garby L, et al. **Acta Physiol Scand** 1987 Mar;129(3):443–4

Ultrasonographic investigation of respiratory influence on diameters of portal vessels in normal subjects. Kurol M, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Nov-Dec; 27(6):675–80

Respiratory markers of the anaerobic threshold. Whipp BJ, et al. **Adv Cardiol** 1986;35:47–64 (31 ref.)

Respiratory responsiveness in male alcoholics after withdrawal. Lambie DG, et al. **Alcoholism (NY)** 1987 Feb; 11(1):49–51

The paradox of pulsus paradoxus. Henkind SJ, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):198–203 (60 ref.)

Exercise testing after correction of tetralogy of Fallot: the fallacy of a reduced heart rate response. Reybrouck T, et al. **Am Heart J** 1986 Nov;112(5):998–1003

A method for the continuous measurement of respiration and vapor uptake in rats. Dahl AR, et al. **Am Ind Hyg Assoc J** 1987 Jun;48(6):505–10

Comparison of respirable dust samplers for use in hard rock mines. Knight G, et al. **Am Ind Hyg Assoc J** 1987 Apr; 48(4):354–63

The respiratory effects of particles, vapours, and fumes. Morgan WK. **Am Ind Hyg Assoc J** 1986 Nov;47(11):670–3

Inspiratory augmentation of the intensity of the diastolic murmur in right coronary-left ventricular fistula. Chia BL, et al. **Am J Cardiol** 1987 Jan 1;59(1):189–90

Lung function and respiratory symptoms in subjects with asbestos-related disorders: a cross-sectional study. Hilt B, et al. **Am J Ind Med** 1987;11(5):517–28

Respiratory effects of cotton dust exposure in the cotton garnetting industry. Kawamoto MM, et al. **Am J Ind Med** 1987;11(5):505–15

Diminished respiratory sinus arrhythmia in asphyxiated term

infants. Divon MY, et al. **Am J Obstet Gynecol** 1986 Dec; 155(6):1263–6

Effects of vibratory acoustic stimulation on human fetal breathing and gross fetal body movements near term. Gagnon R, et al. **Am J Obstet Gynecol** 1986 Dec; 155(6):1227–30

Changes in lip pressure following extension and flexion of the head and at changed mode of breathing. Hellsing E, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr; 91(4):286–94

The nasal airway following maxillary expansion. Warren DW, et al. **Am J Orthod Dentofacial Orthop** 1987 Feb; 91(2):111–6

Brain ECF pH and central chemical control of ventilation during anoxia in turtles. Davies DG, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R848–52

Expiratory effects of cerebellar stimulation in developing opossums. Farber JP. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1158–64

Phase resetting and dysrhythmic responses of the respiratory oscillator. Paydarfar D, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):R55–62

Effects of hypercapnia on variability of normal respiratory behavior in awake cats. Szlyk PC, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R538–47

Ventral medullary surface inputs to cervical sympathetic respiratory oscillations. Van Lunteren E, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1032–8

Beat-by-beat modulation of AV conduction. I. Heart rate and respiratory influences. Warner MR, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1126–33

Spontaneous cigarette brand switching: consequences for nicotine and carbon monoxide exposure. Lynch CJ, et al. **Am J Public Health** 1987 Sep;77(9):1191–4

Pattern of breathing in brachycephalic dogs. Amis TC, et al. **Am J Vet Res** 1986 Oct;47(10):2200–4

Pulmonary function in dogs with mitral valve regurgitation. Miller JE, et al. **Am J Vet Res** 1986 Dec;47(12):2498–503

Psychophysics—an approach to the study of respiratory sensation and the assessment of dyspnea [editorial] Altose MD. **Am Rev Respir Dis** 1987 Jun;135(6):1227–8

Time course of change in ventilatory response to CO2 with long-term CPAP therapy for obstructive sleep apnea. Berthon-Jones M, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):144–7

The relation of inspiratory effort sensation to fatiguing patterns of the diaphragm. Bradley TD, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1119–24

Improved efficacy of spontaneous breathing with inspiratory pressure support. Brochard L, et al. **Am Rev Respir Dis** 1987 Aug;136(2):411–5

Ventilation and breathing patterns during hemodialysis–induced carbon dioxide unloading. De Backer WA, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):406–10

Mechanisms of paradoxical rib cage motion in patients with chronic obstructive pulmonary disease. Gilmartin JJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):683–7

Effects of distention of the preterm fetal lamb lung on lung function with ventilation. Ikegami M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):600–6

Factors associated with the change in ventilatory function and the development of chronic obstructive pulmonary disease in a 13-year follow-up of the Cracow Study. Risk of chronic obstructive pulmonary disease. Krzyzanowski M, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1011–9

Respiratory activity of genioglossus. Interaction between alcohol and the menstrual cycle. Leiter JC, et al. **Am Rev Respir Dis** 1987 Feb;135(2):383–6

Alteration in breathing pattern with progression of chronic obstructive pulmonary disease. Loveridge B, et al. **Am Rev Respir Dis** 1986 Nov;134(5):930–4

Comparison of clinical dyspnea ratings and psychophysical measurements of respiratory sensation in obstructive airway disease. Mahler DA, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1229–33

Cold air inhalation has a cumulative bronchospastic effect when inhaled in consecutive doses for progressively increasing degrees of ventilation. Malo JL, et al. **Am Rev Respir Dis** 1986 Nov;134(5):990–3

Measurement of inspiratory muscle performance with incremental threshold loading. Martyn JB, et al. **Am Rev Respir Dis** 1987 Apr;135(4):919–23

Is weaning an art or a science? [editorial] Milic-Emili J. **Am Rev Respir Dis** 1986 Dec;134(6):1107–8

Effect of dynamic airway compression on breathing pattern and respiratory sensation in severe chronic obstructive pulmonary disease. O'Donnell DE, et al. **Am Rev Respir Dis** 1987 Apr;135(4):912–8

Expiratory resistive loading in patients with severe chronic air-flow limitation. An evaluation of ventilatory mechanics and compensatory responses. O'Donnell DE, et al. **Am Rev Respir Dis** 1987 Jul;136(1):102–7

Respiratory effects of respiratory muscle weakness and atrophy. Rochester DF. **Am Rev Respir Dis** 1986 Nov; 134(5):1083–6

Central and peripheral airways as determinants of ventilatory function in patients with chronic bronchitis, emphysema, and bronchial asthma. Sasaki H, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1182–9

Effects of the administration of O2 on ventilation and blood gases in patients with chronic obstructive pulmonary disease during acute respiratory failure [letter] Stradling J. **Am Rev Respir Dis** 1987 Jan;135(1):274

Konno-Mead analysis of ribcage-abdominal motion during successful and unsuccessful trials of weaning from mechanical ventilation. Tobin MJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1320–8

The pattern of breathing during successful and unsuccessful trials of weaning from mechanical ventilation. Tobin MJ, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1111–8

NHLBI workshop summary. Respiratory disorders of sleep. Pathophysiology, clinical implications, and therapeutic approaches. Weil JV, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):755–61

Thoracoabdominal motion in response to treadmill and cycle exercise. Wells JA, et al. **Am Rev Respir Dis** 1986 Dec; 134(6):1125–8

Evaluation of respiratory inductive plethysmography in infants weighing less than 1,500 grams. Wilkes DL, et al. **Am Rev Respir Dis** 1987 Aug;136(2):416–9

Minimum fresh gas flow requirements of anaesthetic breathing systems during spontaneous ventilation: a graphical approach. Dorrington KL, et al. **Anaesthesia** 1987 Jul;42(7):732–7

Respiratory monitoring with a new impedance plethysmograph. Hoffman S, et al. **Anaesthesia** 1986 Nov; 41(11):1139–42

Effect of spontaneous sighs on arterial oxygenation during isoflurane anesthesia in humans. Grim PS, et al. **Anesth Analg** 1987 Sep;66(9):839–42

Spontaneous respiration during thoracotomy in a patient with a mediastinal mass. Sibert KS, et al. **Anesth Analg** 1987 Sep;66(9):904–7

Respiratory changes induced by parenteral nutrition in postoperative patients undergoing inspiratory pressure support ventilation. Delafosse B, et al. **Anesthesiology** 1987 Mar;66(3):393–6

A cause of breathing system leak during closed circuit anesthesia. Ferderbar PJ, et al. **Anesthesiology** 1986 Dec; 65(6):661–3

Relationships between swallowing pattern, mode of respiration, and development of malocclusion. Melsen B, et al. **Angle Orthod** 1987 Apr;57(2):113–20

Quantitation of ventilation in terms of continuous airflow variables. Ruttimann UE, et al. **Ann Biomed Eng** 1974 Sep; 2(3):239–51

Central origin vs. reflex feedback in the respiratory heart rate relationship. Schuhmann RE, et al. **Ann Biomed Eng** 1986;14(6):543–6

Rett's syndrome: characterization of respiratory patterns and sleep. Glaze DG, et al. **Ann Neurol** 1987 Apr;21(4):377–82

Evaluation of diving fins on the basis of physiological responses during incremental exercise. Mekjavic IB. **Ann Physiol Anthropol** 1986 Oct;5(4):197–203

Synchronous mechanical ventilation of the neonate. South M, et al. **Arch Dis Child** 1986 Dec;61(12):1190–5

Cardiorespiratory patterns in siblings of babies with sudden infant death syndrome. Southall DP, et al. **Arch Dis Child** 1987 Jul;62(7):721–6

Aspiration of a tracheostomy plug. Lawton MB, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):318

The effects of breathing warm air during cold exposure. Romet TT, et al. **Arctic Med Res** 1986;44:37–41

Ventilatory impact of partial extracorporeal CO2 removal (PECOR) in ARF patients. Marcolin R, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):508–10

Assessment of fetal heart rate variability with abdominal fetal electrocardiogram: changes during fetal breathing movement. Ohno Y, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):301–4

Changes in ventilation, breathing pattern and acid-base balance of conscious rabbits following intravenous almitrine. Maskrey M. **Aust J Exp Biol Med Sci** 1986 Aug; 64 (Pt 4):389–95

Betaxolol eye drops as a safe medication to lower intraocular pressure. Brooks AM, et al. **Aust N Z J Ophthalmol** 1987 May;15(2):125–9

The anatomical and physiological characteristics of pre-adolescent males and females. Blanksby BA, et al. **Aust Paediatr J** 1986 Aug;22(3):177–80

Inhibition of breathing movements in fetal life: relevance to the sudden infant death syndrome. Walker DW. **Aust Paediatr J** 1986;22 Suppl 1:67–9 (24 ref.)

Infestation in the dog by the paralysis tick Ixodes holocyclus. 3. Respiratory effects. Ilkiw JE, et al. **Aust Vet J** 1987 May;64(5):142–4

Breathing and the transition from intrauterine to extrauterine life. Maloney JE, et al. **Australas Phys Eng Sci Med** 1986 Jul-Sep;9(3):106–10

Respiratory response and muscle function during isometric handgrip exercise at high altitude. Burse RL, et al. **Aviat Space Environ Med** 1987 Jan;58(1):39–46

Maximal exercise cardiorespiratory responses of men and women during acute exposure to hypoxia. Paterson DJ, et al. **Aviat Space Environ Med** 1987 Mar;58(3):243–7

High-altitude respiration of birds. The primary structures of the major and minor hemoglobin component of adult goshawk (Accipiter gentilis, Accipitrinae). Hiebl I, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):333–42

High-altitude respiration of birds. The primary structures of the alpha D-chains of the Bar-headed Goose (Anser indicus), the Greylag Goose(Anser anser) and the Canada Goose (Branta canadensis). Hiebl I, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):591–9

Duration of ventricular ejection during spontaneous breathing and positive pressure ventilation in newborn infants. Reller M, et al. **Biol Neonate** 1986;50(3):130–5

Hemodynamic and ventilatory effects of high-frequency jet and conventional ventilation in piglets with lung lavage. Suguihara C, et al. **Biol Neonate** 1987;51(5):241–8

Microprocessor-controlled respiratory gas mixer. Cain PW, et al. **Biomed Sci Instrum** 1987;23:155–60

An assist device for selective reduction of the work of breathing. Poon CS, et al. **Biomed Sci Instrum** 1987; 23:161–7

Glossopharyngeal breathing and noninvasive aids in the management of post-polio respiratory insufficiency. Bach JR, et al. **Birth Defects** 1987;23(4):99–113

Possible face-mask hazard [letter] Horton JG. **Br Dent J** 1987 Jul 25;163(2):43

Respiratory modulation of cardiac time intervals. Van Leeuwen P, et al. **Br Heart J** 1987 Aug;58(2):129–35

An end-tidal sampler for use with slow response analysers during anaesthesia. Alagesan K, et al. **Br J Anaesth** 1986 Oct;58(10):1185–90

Pulmonary ventilation and gas exchange before and after correction of congenital cardiac malformations. Yates AP, et al. **Br J Anaesth** 1987 Feb;59(2):170–8

Respiratory control in the treatment of panic attacks: replication and extension with concurrent measurement of behaviour and pCO2. Salkovskis PM, et al. **Br J Psychiatry** 1986 May;148:526–32

The effects of continuous phonation on 133xenon-inhalation air curves (of the kind used in deriving regional cerebral blood flow). Formby C, et al. **Brain Lang** 1987 Jul; 31(2):346–63

Morphological and physiological properties of caudal medullary expiratory neurons of the cat. Arita H, et al. **Brain Res** 1987 Jan 20;401(2):258–66

Firing patterns of bulbar respiratory neurones during sniffing in the conscious, non-paralyzed rabbit. du Pont JS. **Brain Res** 1987 Jun 23;414(1):163–8

Respiratory rhythm generator neurons in medulla of brainstem-spinal cord preparation from newborn rat. Onimaru H, et al. **Brain Res** 1987 Feb 17;403(2):380–4

Angiotensin II excites neurones in cat solitary tract nuclei which are involved in respiration and related reflex activities. Sessle BJ, et al. **Brain Res** 1987 Mar 24; 407(1):163–7

Discharge properties of dorsal medullary inspiratory neurons in newborn pigs. Sica AL, et al. **Brain Res** 1987 Apr 7; 408(1–2):222–6

A respiratory-vocal pathway in the brainstem of the pigeon. Wild JM, et al. **Brain Res** 1987 Mar 24;407(1):191–4

Inhibitory effects of cerebellar lesions on respiration in the spontaneously breathing, anesthetized cat. Williams JL, et al. **Brain Res** 1986 Dec 10;399(2):224–31

Cryogenic blockade of the central nucleus of the amygdala attenuates aversively conditioned blood pressure and respiratory responses. Zhang JX, et al. **Brain Res** 1986 Oct 29;386(1–2):136–45

Effect of different incremental exercise protocols on the determination of lactate and ventilatory thresholds. Ribeiro JP, et al. **Braz J Med Biol Res** 1986;19(1):109–17

Nasal admixture during mouth breathing in awake normal subjects. Chowanetz W, et al. **Bull Eur Physiopathol Respir** 1987 Mar-Apr;23(2):125–30

Forced expiratory flow-volume curves during the application of lower-body negative pressure. Dikshit MB, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec; 22(6):599–603

Cardiovascular and respiratory consequences of tension pneumothorax. Hurewitz AN, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec;22(6):545–9

Phrenic output changes due to progressive airway denervation in rabbits. Kamosińska B, et al. **Bull Eur Physiopathol Respir** 1987 Mar-Apr;23(2):155–61

Reference values and modelling of lung function development as a transcendent function of age, body height and mass. Kristufek P, et al. **Bull Eur Physiopathol Respir** 1987 Mar-Apr;23(2):139–47

Bronchial challenge: ventilation during 'tidal volume breathing' inhalation is not constant. Madsen F, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec;22(6):517–22

Mean and instantaneous expiratory flows, FVC and FEV1: prediction equations from a probability sample of Michigan, a large industrial state. Miller A, et al. **Bull Eur Physiopathol Respir** 1986 Nov-Dec;22(6):589–97

Comparative value of respiratory input and transfer impedances in field studies. Peslin R, et al. **Bull Eur Physiopathol Respir** 1987 Jan-Feb;23(1):37–42

Vagal influence on respiratory mechanics in newborn kittens. Rossi A, et al. **Bull Eur Physiopathol Respir** 1987 Jan-Feb; 23(1):61–6

Will we ever have a universal anaesthetic breathing system [editorial] Byrick RJ, et al. **Can Anaesth Soc J** 1986 Nov; 33(6):694–7 **(Eng, Fre)**

Single lever Humphrey A.D.E. low flow universal anaesthetic breathing system. Part I: Comparison with dual lever A.D.E., Magill and Bain systems in anaesthetized spontaneously breathing adults. Humphrey D, et al. **Can Anaesth Soc J** 1986 Nov;33(6):698–709

Single lever Humphrey A.D.E. lowflow universal anaesthetic breathing system. Part II: Comparison with Bain system in anaesthesized adults during controlled ventilation.

Humphrey D, et al. **Can Anaesth Soc J** 1986 Nov; 33(6):710–8

A novel analysis of fetal breathing. Ioffe S, et al. **Can J Physiol Pharmacol** 1987 Feb;65(2):191–200

Expiratory flow pattern and respiratory mechanics. Mortola JP, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1142–5

The effect of the respiratory cycle on mediastinal and lung dimensions in Hodgkin's disease. Implications for radiotherapy gated to respiration. Willett CG, et al. **Cancer** 1987 Sep 15;60(6):1232–7

Evidence of cardiac autonomic disease in chronic alcoholics by computerized study of heart rate–respiration relationship. Bernardi L, et al. **Cardiologia** 1986 Sep; 31(9):721–4

Could inspiratory apnea disturb left ventricular volume assessment by contrast angiography? Rocha P, et al. **Cardiovasc Intervent Radiol** 1987;10(2):65–70

Effects of changes in airway pressure on the left ventricle and left atrium of dogs. Katzenberg C, et al. **Cardiovasc Res** 1986 Nov;20(11):853–62

Control of pacemaker rate by impedance–based respiratory minute ventilation. Alt E, et al. **Chest** 1987 Aug; 92(2):247–52

Continuous noninvasive monitoring of respiratory rate in critically ill patients. Krieger B, et al. **Chest** 1986 Nov; 90(5):632–4

The irregularly irregular pattern of respiratory dyskinesia. Kuna ST, et al. **Chest** 1986 Nov;90(5):779–81

Aspiration of a nasotracheal tube. A complication of nasotracheal intubation and mechanism for retrieval. McGrath RB, et al. **Chest** 1987 Jan;91(1):148–9

Using pressure support in a rational way [letter] Perel A. **Chest** 1987 Jan;91(1):153–4

The effect of sleep loss on breathing in chronic obstructive pulmonary disease. Phillips BA, et al. **Chest** 1987 Jan; 91(1):29–32

Physiologically responsive cardiac pacemakers. A role for electrical impedance? [editorial] Van de Water JM, et al. **Chest** 1987 Aug;92(2):194–5

Immediate effect of expiratory loading on left ventricular stroke volume. Natarajan TK, et al. **Circulation** 1987 Jan; 75(1):139–45

Recovery of ventilation distributions by gas wash–out of a mechanical pump. Buchanan PR, et al. **Clin Phys Physiol Meas** 1986 Aug;7(3):237–52

Applications of applied potential tomography (APT) in respiratory medicine. Harris ND, et al. **Clin Phys Physiol Meas** 1987;8 Suppl A:155–65

Heart rate response to breathing: dependency upon breathing pattern. Mehlsen J, et al. **Clin Physiol** 1987 Apr;7(2):115–24

Respiratory airflow pattern in patients with chronic airway obstruction. Minetti AE, et al. **Clin Physiol** 1987 Aug; 7(4):283–95

Comparison between ventilatory and mouth occlusion pressure responses to hypoxia and hypercapnia in healthy sleeping man. Sautegeau A, et al. **Clin Physiol** 1986 Dec; 6(6):589–601

Heat and water respiratory exchanges: comparison between mouth and nose breathing in humans. Varène P, et al. **Clin Physiol** 1986 Oct;6(5):405–14

Arterial oxygen saturation and breathlessness in patients with chronic obstructive airways disease. Lane R, et al. **Clin Sci** 1987 Jun;72(6):693–8

The effects of posture on the metabolic and ventilatory response to low level steady state exercise. Weissman C, et al. **Clin Sci** 1986 Nov;71(5):553–8

Remarks and experiments on the construction of respiratory waveforms from electrocardiographic tracings. Pinciroli F, et al. **Comput Biomed Res** 1986 Oct;19(5):391–409

A program for cycle–by–cycle shape analysis of biological rhythms. Application to respiratory rhythm. Bachy JP, et al. **Comput Methods Programs Biomed** 1986 Dec; 23(3):297–307

Comparison of various approaches used to assess the functional state of the cardiac and respiratory system in patients undergoing rehabilitation following cardiac surgery. Volovoi VL, et al. **Cor Vasa** 1987;29(1):44–8

Cardiorespiratory effects of exchange transfusions with synthetic erythrocytes in rats. Djordjevich L, et al. **Crit Care Med** 1987 Apr;15(4):318–23

Airway pressure release ventilation: a new concept in ventilatory support [editorial] Downs JB, et al. **Crit Care Med** 1987 May;15(5):459–61

Ventilatory responses to carbon dioxide in infants at risk for sudden infant death syndrome. Graff MA, et al. **Crit Care Med** 1986 Oct;14(10):873–7

Effect of pressure support of spontaneous breathing during intermittent mandatory ventilation. Murphy DF, et al. **Crit Care Med** 1987 Jun;15(6):612–3

The umbilical artery blood flow velocity waveform in relation to fetal breathing movements, fetal heart rate and fetal behavioural states in normal pregnancy at 37 to 39 weeks. Mulders LG, et al. **Early Hum Dev** 1986 Dec; 14(3–4):283–93

Failure of observation and impedance respirography to detect active expiration in ventilated preterm infants. Rennie JM, et al. **Early Hum Dev** 1987 Jul;15(4):197–201

Activity, cardiac and respiratory responses of blindfold preterm infants in a neonatal intensive care unit. Shiroiwa Y, et al. **Early Hum Dev** 1986 Dec;14(3–4):259–65

Machine classification of infant sleep state using cardiorespiratory measures. Harper RM, et al. **Electroencephalogr Clin Neurophysiol** 1987 Oct; 67(4):379–87

Expiratory activity of the middle pharyngeal constrictor in rabbits. Miyaoka Y, et al. **Electromyogr Clin Neurophysiol** 1987 Apr–May; 27(3):189–91

The TEAM (Total Exposure Assessment Methodology) Study: personal exposures to toxic substances in air, drinking water, and breath of 400 residents of New Jersey, North Carolina, and North Dakota. Wallace LA, et al. **Environ Res** 1987 Aug;43(2):290–307

Naloxone and the ventilatory response to exercise in man. Griffis C, et al. **Eur J Appl Physiol** 1986;55(6):624–9

Effect of training on the rating of perceived exertion at the ventilatory threshold. Hill DW, et al. **Eur J Appl Physiol** 1987;56(2):206–11

A systems model approach to the ventilatory anaerobic threshold. Morton RH, et al. **Eur J Appl Physiol** 1987; 56(3):367–73

Differences in ventilatory responses to hypoxia and hypercapnia between normal and judo athletes with moderate obesity. Nishibayashi Y, et al. **Eur J Appl Physiol** 1987;56(2):144–50

The entrainment of ventilation frequency to exercise rhythm. Paterson DJ, et al. **Eur J Appl Physiol** 1986;55(5):530–7

Sleep deprivation and cardiorespiratory function. Influence of intermittent submaximal exercise. Plyley MJ, et al. **Eur J Appl Physiol** 1987;56(3):338–44

Ventilatory control studied with circulatory occlusion during exercise recovery. Stanley WC, et al. **Eur J Appl Physiol** 1987;56(3):299–305

Short–lived isotopes in central chemical control of ventilation. Kazemi H. **Eur J Nucl Med** 1987;13 Suppl:S42–4

Fetal breathing movements in the normal and growth–retarded human fetus: a multiscan/M–mode echofetographic study. Bots RS, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Feb;8(1):21–9

The breathing pattern in dyspnoic patients with different cardiopulmonary disorders. Ruschi S, et al. **Eur J Respir Dis [Suppl]** 1986;146:389–96

Bereitschaftspotential preceding speech after holding breath. Deecke L, et al. **Exp Brain Res** 1986;65(1):219–23

A centrifugal respiratory modulation of olfactory bulb unit activity: a study on acute rat preparation. Ravel N, et al. **Exp Brain Res** 1987;65(3):623–8

Evidence for direct reciprocal interactions between the central rhythm generators for spinal "respiratory" and locomotor activities in the rabbit. Viala D. **Exp Brain Res** 1986;63(2):225–32

Analysis of pulmonary phospholipid compartments in the unanesthetized rat during prolonged periods of hyperpnea. Power JH, et al. **Exp Lung Res** 1986;11(2):105–28

Cardiac and respiratory relationships with neural discharge in the anterior cingulate cortex during sleep–walking states. Frysinger RC, et al. **Exp Neurol** 1986 Nov;94(2):247–63

Alterations of hypoglossal motoneuronal activities during pulmonary inflations. Hwang JC, et al. **Exp Neurol** 1987 Sep;97(3):615–25

Respiratory rhythmicity in a split medulla preparation of the cat. Kubin L, et al. **Exp Neurol** 1987 Jun;96(3):720–6

State–dependent respiratory depression elicited by stimulation of the orbital frontal cortex. Marks JD, et al. **Exp Neurol** 1987 Mar;95(3):714–29

Discharge of abdominal muscle alpha and gamma motoneurons during expiratory loading in cats. Russell JA, et al. **Exp Neurol** 1987 Jul;97(1):179–92

Pneumotaxic mechanisms influence phrenic, hypoglossal, and trigeminal activities. St. John WM. **Exp Neurol** 1987 Aug; 97(2):301–14

Diffuse pathways convey efferent activity from rostral pontile pneumotaxic center to medullary respiratory regions. St John WM. **Exp Neurol** 1986 Oct;94(1):155–65

Expiratory neurons in the region of the retrofacial nucleus: inhibitory effects of intercostal tendon organs. Shannon R, et al. **Exp Neurol** 1987 Sep;97(3):730–4

State–dependent aspects of regulatory physiology. Lydic R. **FASEB J** 1987 Jul;1(1):6–15 (40 ref.)

The lung model and fluctuations in air activity. Unnikrishnan K, et al. **Health Phys** 1987 Feb;52(2):229–31

A model for predicting food and water ingestion and inhalation rates of humans. Zach R, et al. **Health Phys** 1987 Mar;52(3):353–60

Phenomena of respiration: historical overview to the twentieth century. Bloch H. **Heart Lung** 1987 Jul; 16(4):419–23

Effect of progressive muscle relaxation on the objective symptoms and subjective responses associated with asthma. Freedberg PD, et al. **Heart Lung** 1987 Jan;16(1):24–30

Use of food quotients to predict respiratory quotients for the doubly–labelled water method of measuring energy expenditure. Black AE, et al. **Hum Nutr Clin Nutr** 1986 Sep;40(5):381–91

Periodic breathing in infants: a model study. Nugent ST, et al. **IEEE Trans Biomed Eng** 1987 Jun;34(6):482–5

Dielectric polarization of animal lung at radio frequencies. Surowiec AJ, et al. **IEEE Trans Biomed Eng** 1987 Jan; 34(1):62–7

A new method for breathing pattern simulation. Myojo T. **Ind Health** 1987;25(1):35–9

Regulation of breathing during oral feeding. Mathew OP. **Indian J Pediatr** 1986 Jul–Aug;53(4):432–3

Effect of yoga type breathing on heart rate and cardiac axis of normal subjects. Mohan M, et al. **Indian J Physiol Pharmacol** 1986 Oct–Dec;30(4):334–40

Experimental human exposure to carbon disulfide. I. Respiratory uptake and elimination of carbon disulfide under rest and physical exercise. Rosier J, et al. **Int Arch Occup Environ Health** 1987;59(3):233–42

Acid–base balance and respiratory response during biofiltration with polyacrylonitrile membrane. Salvadeo A, et al. **Int J Artif Organs** 1986 Dec;9 Suppl 3:43–8

Diaphragmatic stimulation of the phrenic nerve as respiratory assist. Llaurado JG. **Int J Biomed Comput** 1986 Nov; 19(3–4):155–60

A microcomputer system for monitoring ventilation in neonates. Brennan J, et al. **Int J Clin Monit Comput** 1986; 3(1):11–6

Smoking, coughing, laughing and applause: a comparative study of respiratory symbolism. Grotjahn M. **Int J Psychoanal** 1972;53 (Pt 3):345–9

Human growth hormone, cortisol, and acid–base balance changes after hyperventilation and breath–holding. Djarova T, et al. **Int J Sports Med** 1986 Dec;7(6):311–5

Effects of breathing a normoxic He–O2 gas mixture on exercise tolerance and VO2 max. Powers SK, et al. **Int J Sports Med** 1986 Aug;7(4):217–21

Acute effect of cigarette smoking on physiologic response to graded exercise. Rotstein A, et al. **Int J Sports Med** 1986 Dec;7(6):322–4

Pulsus paradoxus [editorial] Dornhorst AC. **Intensive Care Med** 1986;12(6):387–8

Respiratory effects of indoor air pollution. Samet JM, et al. **J Allergy Clin Immunol** 1987 May;79(5):685–700

Atrial septal defect: attenuation of respiratory variation in systolic and diastolic time intervals. Boudoulas H, et al. **J Am Coll Cardiol** 1987 Jan;9(1):53–8

Inspiratory neuron activity in the ventrolateral medulla of the dog. Adams EM, et al. **J Appl Physiol** 1987 Jan; 62(1):335–43

Effects of cognitive and psychomotor tasks on breath–holding span. Alpher VS, et al. **J Appl Physiol** 1986 Sep;61(3):1141–52

Changes in cardiac output during sustained maximal ventilation in humans. Anholm JD, et al. **J Appl Physiol** 1987 Jul;63(1):181–7

Respiratory load–compensating mechanisms in muscular dystrophy. Axen K, et al. **J Appl Physiol** 1987 Apr; 62(4):1647–54

Cardiorespiratory responses to hypoxia in intact and bilaterally vagotomized pigeons. Barnas GM, et al. **J Appl Physiol** 1986 Oct;61(4):1340–5

Impedance and relative displacements of relaxed chest wall up to 4 Hz. Barnas GM, et al. **J Appl Physiol** 1987 Jan; 62(1):71–81

Ventilatory compensation for changes in functional residual capacity during sleep. Begle RL, et al. **J Appl Physiol** 1987 Mar;62(3):1299–306

Breathing pattern in hypoxic exposures of varying duration. Bender PR, et al. **J Appl Physiol** 1987 Feb;62(2):640–5

Human variation in the peripheral air–space deposition of inhaled particles. Bennett WD, et al. **J Appl Physiol** 1987 Apr;62(4):1603–10

Nonuniformity of canine lung washout by high–frequency ventilation. Berdine GG, et al. **J Appl Physiol** 1986 Oct; 61(4):1388–94

Medullary inspiratory activity: influence of intercostal tendon organs and muscle spindle endings. Bolser DC, et al. **J Appl Physiol** 1987 Mar;62(3):1046–56

Rib cage versus abdominal displacement in rabbits during forced oscillations to 30 Hz. Boynton BR, et al. **J Appl Physiol** 1987 Jul;63(1):309–14

Exponential and diphasic ventilatory response to hypoxia in conscious lambs. Bureau MA, et al. **J Appl Physiol** 1986 Sep;61(3):836–42

Effect of high–intensity exercise on the VE–VCO2 relationship. Caiozzo VJ, et al. **J Appl Physiol** 1987 Apr; 62(4):1460–4

Breathing pattern during exercise in young black and Caucasian subjects. Cerny FJ. **J Appl Physiol** 1987 Jun; 62(6):2220–3

Changes in lung volume and breathing pattern during exercise and CO2 inhalation in humans. Cha EJ, et al. **J Appl Physiol** 1987 Apr;62(4):1544–50

Effects of swim training on lung volumes and inspiratory muscle conditioning. Clanton TL, et al. **J Appl Physiol** 1987 Jan;62(1):39–46

Inhibition of skeletal muscle activity by lung expansion in the dog. Coast JR, et al. **J Appl Physiol** 1987 May; 62(5):2058–65

Effect of breath holding on ventilation maldistribution during tidal breathing in normal subjects. Crawford AB, et al. **J Appl Physiol** 1986 Dec;61(6):2108–15

Ventilatory muscle recruitment in exercise with O2 in obstructed patients with mild hypoxemia. Criner GJ, et al. **J Appl Physiol** 1987 Jul;63(1):195–200

Effect of expiratory loading on expiratory duration and pulmonary stretch receptor discharge. Davenport PW, et al. **J Appl Physiol** 1986 Nov;61(5):1857–63

Large–volume ventilation results in bronchoconstriction of Basenji–Greyhound dogs. Davidson AB, et al. **J Appl Physiol** 1987 Jun;62(6):2308–13

Cardiac, respiratory, and renal responses to stimulation of the external cuneate nucleus. Dean C, et al.

J Appl Physiol 1987 Jul;63(1):158–66
Relationship between diaphragm length and abdominal dimensions. Decramer M, et al. J Appl Physiol 1986 Nov; 61(5):1815–20
Respiratory changes induced by prolonged laryngeal stimulation in awake piglets. Donnelly DF, et al. J Appl Physiol 1986 Sep;61(3):1018–24
Cardiac output in exercise by impedance cardiography during breath holding and normal breathing. Du Quesnay MC, et al. J Appl Physiol 1987 Jan;62(1):101–7
Effect of inspiratory resistive loading on control of ventilation during progressive exercise. D'Urzo AD, et al. J Appl Physiol 1987 Jan;62(1):134–40
Ventilatory response to sustained hypoxia in normal adults. Easton PA, et al. J Appl Physiol 1986 Sep;61(3):906–11
Lactate acidosis and the increase in VE/VO2 during incremental exercise. Farrell SW, et al. J Appl Physiol 1987 Apr;62(4):1551–5
Simulated breath-hold diving to 20 meters: cardiac performance in humans. Ferrigno M, et al. J Appl Physiol 1987 Jun;62(6):2160–7
Effect of volume history on distribution of inspired gas in asthmatics. Filuk RB, et al. J Appl Physiol 1987 Mar; 62(3):1179–85
Effect of thoracoabdominal breathing patterns on inspiratory effort sensation. Fitting JW, et al. J Appl Physiol 1987 Apr; 62(4):1665–70
Effect of position and lung volume on upper airway geometry. Fouke JM, et al. J Appl Physiol 1987 Jul; 63(1):375–80
Hypoxia inhibits abdominal expiratory nerve activity. Fregosi RF, et al. J Appl Physiol 1987 Jul;63(1):211–20
Breathing pattern during maximal exercise and during submaximal exercise with hypercapnia. Gallagher CG, et al. J Appl Physiol 1987 Jul;63(1):238–44
Pulmonary function of the green sea turtle, Chelonia mydas. Gatz RN, et al. J Appl Physiol 1987 Feb;62(2):459–63
Relation of mouth flow to body surface flow during forced oscillation at the chest. Gilroy RJ, et al. J Appl Physiol 1987 Jul;63(1):121–9
Expiratory volume clamping: a new method to assess respiratory mechanics in sedated infants. Grunstein MM, et al. J Appl Physiol 1987 May;62(5):2107–14
Effects of perceived musical rhythm on respiratory pattern. Haas F, et al. J Appl Physiol 1986 Sep;61(3):1185–91
Within-breath electromyographic changes during loaded breathing in adult sheep. Haddad GG, et al. J Appl Physiol 1986 Oct;61(4):1316–21
Low-frequency respiratory mechanical impedance in the rat. Hantos Z, et al. J Appl Physiol 1987 Jul;63(1):36–43
High-frequency ventilation of ducks and geese. Hastings RH, et al. J Appl Physiol 1987 Jul;63(1):413–7
Dynamics of chest wall in preterm infants. Heldt GP, et al. J Appl Physiol 1987 Jan;62(1):170–4
Distortion of chest wall and work of diaphragm in preterm infants. Heldt GP, et al. J Appl Physiol 1987 Jan; 62(1):164–9
Voluntary breath holding in the obese. Hurewitz AN, et al. J Appl Physiol 1987 Jun;62(6):2371–6
Finite difference analysis of respiratory heat transfer. Ingenito EP, et al. J Appl Physiol 1986 Dec;61(6):2252–9
Effects of hypercapnia and hypoxemia on fetal breathing after decortication. Ioffe S, et al. J Appl Physiol 1986 Sep; 61(3):1071–6
Airway caliber and the work of breathing in humans. Jennings SJ, et al. J Appl Physiol 1987 Jul;63(1):20–4
Cardiac output by rebreathing in patients with cardiopulmonary diseases. Kallay MC, et al. J Appl Physiol 1987 Jul;63(1):201–10
Effect of cardiogenic gas mixing on arterial O2 and CO2 tensions during breath holding. Kelly SM, et al. J Appl Physiol 1987 Apr;62(4):1453–9
Mucus clearance by two-phase gas–liquid flow mechanism: asymmetric periodic flow model. Kim CS, et al. J Appl Physiol 1987 Mar;62(3):959–71
Fetal breathing, sleep state, and cardiovascular responses to graded hypoxia in sheep. Koos BJ, et al. J Appl Physiol 1987 Mar;62(3):1033–9
Effect of interbreath fluctuations on characterizing exercise gas exchange kinetics. Lamarra N, et al. J Appl Physiol 1987 May;62(5):2003–12
Ventilatory changes of pulmonary capillary blood volume assessed by arterial density. Lee JS, et al. J Appl Physiol 1986 Nov;61(5):1724–31
Control of breathing in anesthetized dogs by a left-heart baroreflex. Lloyd TC Jr. J Appl Physiol 1986 Dec; 61(6):2095–101
Estimates of ventilation from body surface measurements in unrestrained subjects. McCool FD, et al. J Appl Physiol 1986 Sep;61(3):1114–9
Blood flow in respiratory muscles during maximal exertion in ponies with laryngeal hemiplegia. Manohar M. J Appl Physiol 1987 Jan;62(1):229–37
Breathlessness during exercise with and without resistive loading. el-Manshawi A, et al. J Appl Physiol 1986 Sep; 61(3):896–905
Increased HVR in pregnancy: relationship to hormonal and metabolic changes. Moore LG, et al. J Appl Physiol 1987 Jan;62(1):158–63
Respiratory adaptation to chronic hypoxia in newborn rats. Mortola JP, et al. J Appl Physiol 1986 Oct;61(4):1329–36
CSF acid–base regulation and ventilation in iso- and hypocapnic Hacetate acidosis. Nattie EE, et al. J Appl Physiol 1986 Sep;61(3):851–8
Improvements in exercise performance: effects of carbohydrate feedings and diet. Neufer PD, et al. J Appl Physiol 1987 Mar;62(3):983–8
Transient changes in expiratory time during hypercapnia in premature infants. Noble LM, et al. J Appl Physiol 1987 Mar;62(3):1010–3
Epithelial and endothelial flux after bypass in dogs: effect of positive end-expiratory pressure. Nolop KB, et al. J Appl Physiol 1987 Mar;62(3):1244–9
Effects of bronchoconstriction on respiratory muscle activity during expiration. Oliven A, et al. J Appl Physiol 1987 Jan;62(1):308–14
Induction of periodic breathing during sleep causes upper airway obstruction in humans. Onal E, et al. J Appl Physiol 1986 Oct;61(4):1438–43
Respiratory timing during NREM sleep in patients with occlusive sleep apnea. Onal E, et al. J Appl Physiol 1986 Oct;61(4):1444–8
Effects of gas properties and waveform asymmetry on gas transport in a branching tube network. Paloski WH, et al. J Appl Physiol 1987 Mar;62(3):892–901
Role of carotid chemoreceptors and pulmonary vagal afferents during helium–oxygen breathing in ponies. Pan LG, et al. J Appl Physiol 1987 Mar;62(3):1020–7
Longitudinal study of ventilation threshold and maximal O2 uptake in athletic boys. Paterson DH, et al. J Appl Physiol 1987 May;62(5):2051–7
Entrainment of respiratory frequency to exercise rhythm during hypoxia. Paterson DJ, et al. J Appl Physiol 1987 May;62(5):1767–71
Pulmonary mechanics during rapid mechanical ventilation in rabbits with saline-lavaged lungs. Pérez Fontán JJ, et al. J Appl Physiol 1986 Oct;61(4):1431–7
Ventilatory control in hypercapnia and exercise: optimization hypothesis. Poon CS. J Appl Physiol 1987 Jun; 62(6):2447–59
Influence of inspiratory assistance on ventilatory control during moderate exercise. Poon CS, et al. J Appl Physiol 1987 Feb;62(2):551–60
Ventilatory and blood gas dynamics at onset and offset of exercise in the pony. Powers SK, et al. J Appl Physiol 1987 Jan;62(1):141–8
Analysis of postinspiratory activity of phrenic motoneurons with chemical and vagal reflexes. Prabhakar NR, et al. J Appl Physiol 1986 Oct;61(4):1499–509
Influence of upper airway sensory receptors on respiratory muscle activation in humans. Redline S, et al. J Appl Physiol 1987 Jul;63(1):368–74
Plasticity of the mechanism subserving inspiratory load perception. Revelette WR, et al. J Appl Physiol 1987 May; 62(5):1901–6
Control of respiratory activity of the genioglossus muscle in micrognathic infants. Roberts JL, et al. J Appl Physiol 1986 Oct;61(4):1523–33
Interaction of hypoxic and hypercapnic stimuli on breathing pattern in the newborn rat. Saetta M, et al. J Appl Physiol 1987 Feb;62(2):506–12
Medullary expiratory activity: influence of intercostal tendon organs and muscle spindle endings. Shannon R, et al. J Appl Physiol 1987 Mar;62(3):1057–62
Energetics of wet-suit diving in Japanese male breath-hold divers. Shiraki K, et al. J Appl Physiol 1986 Oct; 61(4):1475–80
Expiratory activity in transferred intercostal nerves in brachial plexus injury patients. Sibuya M, et al. J Appl Physiol 1987 May;62(5):1780–5
Thoracic pressure and nasal patency. Singh V. J Appl Physiol 1987 Jan;62(1):91–4
Interdependent regional lung emptying during forced expiration: a transistor model. Solway J, et al. J Appl Physiol 1987 May;62(5):2013–25
Excitation of dorsal and ventral respiratory group neurons by phrenic nerve afferents. Speck DF, et al. J Appl Physiol 1987 Mar;62(3):946–51
Regulation of end-expiratory lung volume during sleep in premature infants. Stark AR, et al. J Appl Physiol 1987 Mar;62(3):1117–23
Role of upper airway in ventilatory control in awake and sleeping dogs. Stradling JR, et al. J Appl Physiol 1987 Mar; 62(3):1167–73
Effect of inspiratory muscle fatigue on perception of effort during loaded breathing. Supinski GS, et al. J Appl Physiol 1987 Jan;62(1):300–7
Respiration in awake cats: sympathectomy and deafferentation of carotid bifurcations. Szlyk PC, et al. J Appl Physiol 1987 Mar;62(3):932–40
Respiratory depressant effects of GABA alpha- and beta-receptor agonists in the cat. Taveira da Silva AM, et al. J Appl Physiol 1987 Jun;62(6):2264–72
Comparison of volume changes in the upper airway and thorax. Teeter JP, et al. J Appl Physiol 1987 Jan; 62(1):284–90
Effects of maturation and aging on collateral ventilation in sheep. Terry PB, et al. J Appl Physiol 1987 Mar; 62(3):1028–32
Pliometric activity of inspiratory muscles: maximal pressure–flow curves. Topulos GP, et al. J Appl Physiol 1987 Jan;62(1):322–7
Respiratory changes in thoracic muscle length during bronchoconstriction. van Lunteren E, et al. J Appl Physiol 1987 Jul;63(1):221–8
Interactive effects of CO2 and upper airway negative pressure on breathing pattern. van Lunteren E. J Appl Physiol 1987 Jul;63(1):229–37
Mechanical function of hyoid muscles during spontaneous breathing in cats. van Lunteren E, et al. J Appl Physiol 1987 Feb;62(2):582–90
Effect of rib cage and abdominal restriction on total respiratory resistance and reactance. van Noord JA, et al. J Appl Physiol 1986 Nov;61(5):1736–40
Computation of respiratory heat exchanges. Varene P. J Appl Physiol 1986 Oct;61(4):1586–9
Effect of hypoxia-induced periodic breathing on upper airway obstruction during sleep. Warner G, et al. J Appl Physiol 1987 Jun;62(6):2201–11
Constant-flow ventilation in pigs. Webster P, et al. J Appl Physiol 1986 Dec;61(6):2238–42
Importance of oscillations in alveolar gas concentrations in the analysis of rebreathing data. Weisiger KH, et al. J Appl Physiol 1986 Sep;61(3):1104–13
Altitude acclimatization: influence on periodic breathing and chemoresponsiveness during sleep. White DP, et al. J Appl Physiol 1987 Jul;63(1):401–12
Occlusion pressure and ventilation during sleep in normal humans. White DP. J Appl Physiol 1986 Oct;61(4):1279–87
Effect of lung volume on breath holding. Whitelaw WA, et al. J Appl Physiol 1987 May;62(5):1962–9
Analysis of fetal breathing in real time using a microprocessor. Wickham PJ, et al. J Appl Physiol 1987 Apr;62(4):1733–9
Geometry and respiratory displacement of human ribs. Wilson TA, et al. J Appl Physiol 1987 May;62(5):1872–7
Prolongation of inspiration during lower airway occlusion in children. Witte MK, et al. J Appl Physiol 1987 May; 62(5):1860–4
Temporal changes in effectiveness of an inspiratory inhibitory electrical pontine stimulus. Younes M, et al. J Appl Physiol 1987 Apr;62(4):1502–12
An apparatus for altering the mechanical load of the respiratory system. Younes M, et al. J Appl Physiol 1987 Jun;62(6):2491–9
Active and passive respiratory mechanics in anesthetized dogs. Zin WA, et al. J Appl Physiol 1986 Nov; 61(5):1647–55
Effect of hyperinflation and equalization of abdominal pressure on diaphragmatic action. Zocchi L, et al. J Appl Physiol 1987 Apr;62(4):1655–64
Physiological responses of vagotomized pigeons exposed to ambient temperatures gradually reduced from 34 degrees C to 2 degrees C. John TM, et al. J Auton Nerv Syst 1987 Feb;18(2):153–61
Non-invasive technique for examining the respiratory proprioceptor system in man. Nickolls PM, et al. J Biomed Eng 1987 Jan;9(1):26–31
Circulatory heat sources for canine respiratory heat exchange. Solway J, et al. J Clin Invest 1986 Oct; 78(4):1015–9
Continuous monitoring of alveolar and inspiratory concentrations of anesthetic and respiratory gases is safe, simple, and cost-effective. Severinghaus JW. J Clin Monit 1987 Apr;3(2):123
Pressure control to accommodate patient breathing efforts during volume ventilation. Stawitcke FA, et al. J Clin Monit 1987 Apr;3(2):101–15
Continuous monitoring of alveolar and inspiratory concentrations of anesthetic and respiratory gases is difficult and potentially unsafe. Sykes MK. J Clin Monit 1987 Apr;3(2):116–22
How hyperventilation alters the electroencephalogram: a review of controversial viewpoints emphasizing neurophysiological mechanisms. Patel VM, et al. J Clin Neurophysiol 1987 Apr;4(2):101–20 (124 ref.)
Temperature and humidity dynamics of cutaneous and respiratory evaporation in pigeons, Columba livia. Webster MD, et al. J Comp Physiol [B] 1987;157(2):253–60
Respiration artifacts in MR imaging: reduction by breath holding. Paling MR, et al. J Comput Assist Tomogr 1986 Nov–Dec;10(6):1080–2
Oxygen-assisted breath-holding in computed tomography. Sadatoh N, et al. J Comput Assist Tomogr 1987 Jul–Aug; 11(4):742–4
Analysis of mercury concentration in intra-oral air and inspired dose of mercury [letter] Olsson S, et al. J Dent Res 1987 Jul;66(7):1288–91
Ventilatory and metabolic responses to acute hypoxia in infants assessed by transcutaneous gas monitoring. Milerad J, et al. J Dev Physiol 1987 Feb;9(1):57–67
The relationship between fetal breathing movements and prostaglandin E2 during ACTH-induced labour in sheep. Patrick J, et al. J Dev Physiol 1987 Jun;9(3):287–93
Effects of maternal indomethacin administration on fetal breathing movements in sheep. Patrick J, et al. J Dev Physiol 1987 Jun;9(3):295–300
Temperature responses following ventilation of the fetal sheep in utero. Power GG, et al. J Dev Physiol 1986 Dec; 8(6):477–84
Effects of hyperthermia on fetal breathing movements. Walker DW, et al. J Dev Physiol 1986 Dec;8(6):485–97
Deep inspiration induced sinus arrest. An unusual manifestation in a patient with the sick sinus syndrome. Strasberg B, et al. J Electrocardiol 1986 Jan;19(1):91–2
Do cardiorespiratory frequencies show entrainment with

hopping in the tammar wallaby? Baudinette RV, et al. **J Exp Biol** 1987 May;129:251–63

Blood gases and respiratory pattern in exercising fowl: comparison in normoxic and hypoxic conditions. Brackenbury JH. **J Exp Biol** 1986 Nov;126:423–31

Ventilation and partitioning of oxygen uptake in the frog Rana pipiens: effects of hypoxia and activity. Pinder AW, et al. **J Exp Biol** 1986 Nov;126:453–68

Activity of putative pulmonary ornithokallikrein and angiotensin-converting enzyme during the onset of lung respiration in the chick embryo. Wittmann J, et al. **J Exp Zool** 1987;Suppl:219–26

Variability of arterial PO2 in hospitalized patients: implications for clinical practice and research. Pompei P, et al. **J Gen Intern Med** 1987 Mar–Apr;2(2):83–8

Aging effects on the interaction of hypercapnia and hypoxia as ventilatory stimuli. Chapman KR, et al. **J Gerontol** 1987 Mar;42(2):202–9

Changes in respiratory functions and serum lipids during prolonged treadmill walking. Yamasaki M, et al. **J Hum Ergol (Tokyo)** 1985 Dec;14(2):105–12

Reproducibility of ventilatory measurements during sleep on different nights in patients with chronic obstructive pulmonary disease. Gothe B, et al. **J Lab Clin Med** 1987 May;109(5):608–16

Evaluation report: heat and moisture exchangers. **J Med Eng Technol** 1987 May–Jun;11(3):117–27

Respiration rate, heart rate, and body temperature values in cynomolgus monkeys (Macaca fascicularis) during barbiturate anesthesia. Zola-Morgan S, et al. **J Med Primatol** 1986;15(6):399–408

Delayed recovery of CO2 reactivity after one hour's complete ischaemia of cat brain. Schmidt-Kastner R, et al. **J Neurol** 1986 Nov;233(6):367–9

An electromyographic study of the abdominal muscles during postural and respiratory manoeuvres. Goldman JM, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):866–9

Electrical properties of phrenic motoneurons in the cat: correlation with inspiratory drive. Jodkowski JS, et al. **J Neurophysiol** 1987 Jul;58(1):105–24

Functional associations among simultaneously monitored lateral medullary respiratory neurons in the cat. II. Evidence for inhibitory actions of expiratory neurons. Lindsey BG, et al. **J Neurophysiol** 1987 Apr;57(4):1101–17

Inspiratory muscle responses to airway occlusion during learned breathing movements. Plassman BL, et al. **J Neurophysiol** 1987 Jan;57(1):274–88

Functional associations among simultaneously monitored lateral medullary respiratory neurons in the cat. I. Evidence for excitatory and inhibitory actions of inspiratory neurons. Segers LS, et al. **J Neurophysiol** 1987 Apr;57(4):1078–100

Effects of spontaneous respiration on right and left ventricular function: evaluation by respiratory and ECG gated radionuclide ventriculography. Kim BH, et al. **J Nucl Med** 1987 Feb;28(2):173–7

Quantification of regional ventilation in humans using a short-lived radiotracer—theoretical evaluation of the steady-state model. Valind SO, et al. **J Nucl Med** 1987 Jul;28(7):1144–54

Use of capnography and transcutaneous oxygen monitoring during outpatient general anesthesia for oral surgery. Anderson JA, et al. **J Oral Maxillofac Surg** 1987 Jan; 45(1):3–10

Abnormal ventilatory patterns during sleep in infants with myelomeningocele. Ward SL, et al. **J Pediatr** 1986 Oct; 109(4):631–4

The pattern of sympathetic neurone activity during expiration in the cat. Bachoo M, et al. **J Physiol (Lond)** 1986 Sep; 378:375–90

A pseudo-rebreathing technique for assessing the ventilatory response to carbon dioxide in cats. Berkenbosch A, et al. **J Physiol (Lond)** 1986 Dec;381:483–95

Immediate ventilatory response to sudden changes in venous return in humans. Cummin AR, et al. **J Physiol (Lond)** 1986 Nov;380:45–59

Patterns of breathing in response to alternating patterns of alveolar carbon dioxide pressures in man. Cunningham DJ, et al. **J Physiol (Lond)** 1986 Jul;376:31–45

Discharge patterns of cervical sympathetic preganglionic neurones related to central respiratory drive in the rat. Gilbey MP, et al. **J Physiol (Lond)** 1986 Sep;378:253–65

Lesions in the upper lateral pons abolish the hypoxic depression of breathing in unanaesthetized fetal lambs in utero. Gluckman PD, et al. **J Physiol (Lond)** 1987 Jan; 382:373–83

Restoration of hypoxic respiratory responses in the awake rat after carotid body denervation by sinus nerve section. Martin-Body RL, et al. **J Physiol (Lond)** 1986 Nov; 380:61–73

Pulmonary function in the horse during anaesthesia: a review. Stegmann GF. **J S Afr Vet Assoc** 1986 Mar;57(1):49–53

School years completed and 5-year changes in pulmonary function and respiratory symptoms in U.S. white male coal miners. Ames RG, et al. **J Soc Occup Med** 1986 Winter; 36(4):127–9

A respirometric technique to evaluate velopharyngeal function in speakers with cleft palate, with and without prostheses. Gilbert HR, et al. **J Speech Hear Res** 1987 Jun; 30(2):268–75

Body type and speech breathing. Hoit JD, et al. **J Speech Hear Res** 1986 Sep;29(3):313–24

Changes in selected cardiorespiratory responses to exercise and in body composition following a 12-week aerobic dance programme. Williams LD, et al. **J Sports Sci** 1986 Winter;4(3):189–99

Imaging of ventilation in chronic obstructive pulmonary disease. Santolicandro A, et al. **J Thorac Imaging** 1986 Mar; 1(2):36–53 (42 ref.)

Theoretical analyses for arterial-venous O2 content difference and haldane effect during rebreathing. Kagawa T, et al. **Jpn J Physiol** 1987;37(2):267–82

A method for estimating contact time of red blood cells through lung capillary from O2 and CO2 concentrations in rebreathing air in man. Mochizuki M, et al. **Jpn J Physiol** 1987;37(2):283–301

Change in O2 uptake during rebreathing in hyperoxia in man. Shibuya I, et al. **Jpn J Physiol** 1986;36(5):985–1000

Augmented ventilatory activities after airway anaesthesia in humans. Tanaka Y, et al. **Jpn J Physiol** 1986;36(4):645–56

Human corticotropin-releasing factor (hCRF) is a potent respiratory analeptic. Physiological and clinical aspects. Oppermann D, et al. **Klin Wochenschr** 1986 Oct 1; 64(19):924–8

CNS changes in the meconium aspiration syndrome. Miyata H, et al. **Kobe J Med Sci** 1986 Dec;32(6):179–95

Fetal breathing movements as predictor of favourable pregnancy outcome after oligohydramnios due to membrane rupture in second trimester. Blott M, et al. **Lancet** 1987 Jul 18;2(8551):129–31

Controlled study of respiratory responses during prolonged measurement in patients with chronic hyperventilation. Gardner WN, et al. **Lancet** 1986 Oct 11;2(8511):826–30

Pursed-lip breathing reduces hyperventilation-induced bronchoconstriction [letter] Wardlaw JM, et al. **Lancet** 1987 Jun 27;1(8548):1483–4

Breathing during sleep immediately after uvulopalatopharyngoplasty. Johnson JT, et al. **Laryngoscope** 1986 Nov;96(11):1236–8

Endogenous opioids and ventilatory adaptation to prolonged hypoxia in goats. Weinberger SE, et al. **Life Sci** 1987 Feb 16;40(7):605–13

Monitoring and analysis of oxygenation and ventilation during rigid bronchoscopic neodymium-YAG laser resection of airway tumors. Lennon RL, et al. **Mayo Clin Proc** 1987 Jul;62(7):584–8

Suppression of respiratory motion artifacts in magnetic resonance imaging. Wood ML, et al. **Med Phys** 1986 Nov–Dec;13(6):794–805

The effect of hand-held weights on the physiological responses to walking exercise. Graves JE, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):260–5

Dyssynchronous breathing during exercise in patients with chronic airflow obstruction [letter] Kirby RL. **N Engl J Med** 1986 Dec 11;315(24):1553

Practical problems in the respiratory care of patients with muscular dystrophy. Smith PE, et al. **N Engl J Med** 1987 May 7;316(19):1197–205 (78 ref.)

Mechanism of active expiration in tetraplegic subjects [letter] Vergith TS. **N Engl J Med** 1986 Nov 6;315(19):1233

Improved respiratory function in quadriplegics after pulmonary therapy and arm ergometry [letter] Walker J, et al. **N Engl J Med** 1987 Feb 19;316(8):486–7

Cardiorespiratory effects produced by injecting drugs that affect GABA receptors into nuclei associated with the ventral surface of the medulla. Gatti PJ, et al. **Neuropharmacology** 1987 May;26(5):423–31

Role of vagal and spinal sensory pathways in diaphragmatic response to resistive loading. Mathiot MJ, et al. **Neurosci Lett** 1987 Jan 14;73(2):131–6

Localization of respiratory rhythm-generating neurons in the medulla of brainstem-spinal cord preparations from newborn rats. Onimaru H, et al. **Neurosci Lett** 1987 Jul 22;78(2):151–5

Increased duration of postinspiratory inspiratory activity during augmented breaths in cats. van Lunteren E, et al. **Neurosci Lett** 1986 Oct 30;71(1):83–8

Relationship between phrenic and hindlimb extensor activities during fictive locomotion. Viala D, et al. **Neurosci Lett** 1987 Feb 10;74(1):49–52

Clinical significance of fetal tachypnea during antepartum biophysical testing. Devoe LD, et al. **Obstet Gynecol** 1987 Feb;69(2):187–90

A comparison of pneumogram recordings in infants in the hospital and at home. Keens TG, et al. **Pediatr Pulmonol** 1986 Nov–Dec;2(6):373–7

Measurements of respiratory mechanics in the newborn: a simple approach. Mortola JP, et al. **Pediatr Pulmonol** 1987 Mar–Apr;3(2):123–30

Determinants of the first inspiratory volume and functional residual capacity at birth. Vyas H, et al. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):189–93

Diaphragmatic pressures in piglets: transvenous versus direct phrenic nerve stimulation. Watchko JF, et al. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):198–201

Progressive shortening of the periodic breathing cycle duration in normal infants. Barrington KJ, et al. **Pediatr Res** 1987 Mar;21(3):247–51

Coupling of ventilation and CO2 production during exercise in children. Cooper DM, et al. **Pediatr Res** 1987 Jun; 21(6):568–72

Determination of sleep state in infants using respiratory variability. Haddad GG, et al. **Pediatr Res** 1987 Jun; 21(6):556–62

Prenatal starvation retards development of the ventilatory response to hypoxia in newborn guinea pigs. Lechner AJ, et al. **Pediatr Res** 1986 Oct;20(10):920–4

Pulmonary function in the sick newborn infant. McCann EM, et al. **Pediatr Res** 1987 Apr;21(4):313–25

Response to resistive loading in the newborn piglet. Mayock DE, et al. **Pediatr Res** 1987 Feb;21(2):121–5

Effect of the energy source on changes in energy expenditure, respiratory quotient, and nitrogen balance during total parenteral nutrition in children. Nose O, et al. **Pediatr Res** 1987 Jun;21(6):538–41

Spectral analysis of diaphragmatic EMG during the neonatal biphasic hypoxic ventilatory response. Watchko JF, et al. **Pediatr Res** 1987 Mar;21(3):238–41

Effect of inspiratory resistive loading on costal and crural diaphragm electromyograms in piglets. Watchko JF, et al. **Pediatr Res** 1987 Jan;21(1):25–8

Cardiorespiratory function in 16 full-term infants with sudden infant death syndrome. Southall DP, et al. **Pediatrics** 1986 Nov;78(5):787–96

Respiratory depression caused by either morphine microinjection or repetitive electrical stimulation in the region of the nucleus parabrachialis of cats. Eguchi K, et al. **Pflugers Arch** 1987 Aug;409(4–5):367–73

Cardiorespiratory responses to shivering in vagotomized pigeons during normoxia and hypoxia. Gleeson M, et al. **Pflugers Arch** 1986 Dec;407(6):664–9

On aspiration in Swahili: hypotheses, field observations, and an instrumental analysis. Engstrand O, et al. **Phonetica** 1985; 42(4):175–87

Starvation and respiratory rhythmic behavior in groups of light-dark synchronized Sprague-Dawley rats. Stupfel M, et al. **Physiol Behav** 1986;38(2):265–74

Dynamics of breathing in newborn mammals. Mortola JP. **Physiol Rev** 1987 Jan;67(1):187–243 (410 ref.)

Cardiopulmonary response of rats to centrifugal accelerations. Sudoh M, et al. **Physiologist** 1987 Feb;30(1 Suppl):S135–6

Respiratory dysfunction in Parkinson's disease. MacIntosh DJ. **Primary Care** 1977 Sep;4(3):441–5

Cardiovascular effects of high frequency ventilation—the possible involvement of thromboxane. Durante W, et al. **Prostaglandins Leukotrienes Med** 1987 Jul;28(2):127–39

Interactions of respiratory and cardiovascular adjustments to behavioral stressors. Allen MT, et al. **Psychophysiology** 1986 Sep;23(5):532–41

Behavioral control over sleeping respiration in normals for ten consecutive nights. Badia P, et al. **Psychophysiology** 1986 Jul;23(4):409–11

Effects of auditory stimulation on respiration. Harver A, et al. **Psychophysiology** 1987 Jan;24(1):26–34

Variation in the thickness of the diaphragmatic crura with respiration. Williamson BR, et al. **Radiology** 1987 Jun; 163(3):683–4

Absence of apnea in armadillos covered by soil. Affanni JM, et al. **Respir Physiol** 1987 Feb;67(2):239–45

Effects of volume and frequency of mechanical ventilation on respiratory activity in humans. Altose MD, et al. **Respir Physiol** 1986 Nov;66(2):171–80

Gravity-induced hyperventilation is caused by a reduced brain perfusion. Arieli R, et al. **Respir Physiol** 1987 Aug; 69(2):237–44

Effect of bilateral vagotomy on arterial acid-base stability during panting in the pigeon. Barnas GM, et al. **Respir Physiol** 1986 Dec;66(3):293–302

The hypoxic ventilatory response of rats with increased blood oxygen affinity. Birchard GF, et al. **Respir Physiol** 1986 Nov;66(2):225–33

Dopamine blockade alters ventilatory acclimatization to hypoxia in goats. Bisgard GE, et al. **Respir Physiol** 1987 Aug;69(2):245–55

Maturational changes in body temperature and ventilation during hypoxia in kittens. Bonora M, et al. **Respir Physiol** 1987 Jun;68(3):359–70

Influence of breathing frequency and tidal volume on cardiac output. Boutellier U, et al. **Respir Physiol** 1986 Nov; 66(2):123–33

Effect of expiratory glottic constriction on lung volume and pattern of breathing in adult dogs. Brancatisano A, et al. **Respir Physiol** 1987 Jan;67(1):53–67

The early ontogeny of ventilation and homeothermy in an altricial bird, Agapornis roseicollis (Psittaciformes). Bucher TL, et al. **Respir Physiol** 1986 Aug;65(2):197–212

Ontogeny of regulation of gill and lung ventilation in the bullfrog, Rana catesbeiana. Burggren W, et al. **Respir Physiol** 1986 Dec;66(3):279–91

Ventilatory regulation of extracellular pH in crayfish exposed to changes in water titration alkalinity and NaCl concentration. Burtin B, et al. **Respir Physiol** 1986 Aug; 65(2):235–43

Effect of tidal volume on ventilation maldistribution. Crawford AB, et al. **Respir Physiol** 1986 Oct;66(1):11–25

Changing relationships between stature and lung volumes during puberty. Degroodt EG, et al. **Respir Physiol** 1986 Aug;65(2):139–53

Effect of posture on expiratory muscle use during breathing in the dog. De Troyer A, et al. **Respir Physiol** 1987 Mar; 67(3):311–22

Effects of H+ versus CO2 on ventilation in the Pekin duck. Dodd GA, et al. **Respir Physiol** 1987 May;68(2):189–201

Effect of graded anesthesia on laryngeal-induced central apnea. Donnelly DF, et al. **Respir Physiol** 1986 Nov; 66(2):235–45

Influence of the upper airway on breathing pattern and expiratory time constant in unanesthetized dog pups. England SJ, et al. **Respir Physiol** 1986 Nov;66(2):181–92

Effects of altering dead space volume on respiration and air sac gases in geese. Fedde MR, et al. **Respir Physiol** 1986 Nov;66(2):109–22

Characteristics of a simple measure of respiratory impedance. Fordyce WE, et al. **Respir Physiol** 1987 May;68(2):145–59

Hypoxic ventilatory control in the awake cat five years after carotid body resection. Fordyce WE. **Respir Physiol** 1987 Aug;69(2):209–25

Changes in ventilation and breathing pattern produced by changing body temperature and inspired CO_2 concentration in turtles. Funk GD, et al. **Respir Physiol** 1987 Jan;67(1):37–51

Closing volume after inspiratory resistive loading to fatigue. Gallagher CG, et al. **Respir Physiol** 1987 May;68(2):137–44

Respiratory resetting induced by activation of inspiratory bulbo-spinal neurons. Gauthier P, et al. **Respir Physiol** 1986 Aug;65(2):155–68

Ventilatory response of the conscious or anesthetized cat to oxygen breathing. Gautier H, et al. **Respir Physiol** 1986 Aug;65(2):181–96

Respiratory and upper airway responses to nasal obstruction in awake lambs and ewes. Harding R, et al. **Respir Physiol** 1987 May;68(2):177–88

Respiratory activity of laryngeal muscles in awake and sleeping dogs. Harding R, et al. **Respir Physiol** 1986 Dec; 66(3):315–26

Sensitivity of avian intrapulmonary chemoreceptors to venous CO_2 load. Hempleman SC, et al. **Respir Physiol** 1986 Oct;66(1):53–60

The contribution of peripheral chemoreceptors to ventilation during heavy exercise. Jeyaranjan R, et al. **Respir Physiol** 1987 May;68(2):203–13

Measuring the oxygen cost of breathing in normal adults and patients with cystic fibrosis. Katsardis CV, et al. **Respir Physiol** 1986 Sep;65(3):257–66

Intrapulmonary gas distribution in healthy children. Kraemer R, et al. **Respir Physiol** 1986 Aug;65(2):127–37

Control of breathing in an amphibian Bufo paracnemis: effects of temperature and hypoxia. Kruhøffer M, et al. **Respir Physiol** 1987 Aug;69(2):267–75

Influence of negative pressure applied to the upper airway on the breathing pattern in unanesthetized awake dogs. McNamara SG, et al. **Respir Physiol** 1986 Sep;65(3):315–29

Effects of carotid denervation on interactions between lung inflation and $PaCO_2$ in modulating phrenic activity. Mitchell GS, et al. **Respir Physiol** 1987 Mar;67(3):367–78

Effects of hypercapnia on phrenic and stretch receptor responses to lung inflation. Mitchell GS, et al. **Respir Physiol** 1987 Jun;68(3):319–30

Effects of hypoxemia on phrenic nerve responses to static lung inflation in anesthetized dogs. Mitchell GS. **Respir Physiol** 1987 Feb;67(2):183–95

Ventilatory adaptation to hypoxia occurs in serotonin-depleted rats. Olson EB Jr. **Respir Physiol** 1987 Aug;69(2):227–35

Acute effects of hypercapnia and hypoxia on minute ventilation in unrestrained Weddell seals. Parkos CA, et al. **Respir Physiol** 1987 Feb;67(2):197–207

Breathing pattern and occlusion pressure during exercise in pre- and peripubertal swimmers. Ramonatxo M, et al. **Respir Physiol** 1986 Sep;65(3):351–64

Influence of reticular mechanisms upon hypoglossal, trigeminal and phrenic activities. St. John WM. **Respir Physiol** 1986 Oct;66(1):27–40

Effects of end-expired pressure on phrenic output in servo-ventilated dogs. Schneider DA, et al. **Respir Physiol** 1987 Mar;67(3):347–56

Ventilatory responses to respiratory and metabolic acid-base disturbances in cats. Schuitmaker JJ, et al. **Respir Physiol** 1987 Jan;67(1):69–83

Respiration and blood gases in the duck exposed to normocapnic and hypercapnic hypoxia. Shams H, et al. **Respir Physiol** 1987 Jan;67(1):1–12

The effect of visual and auditory stimuli upon resting ventilation in man. Shea SA, et al. **Respir Physiol** 1987 Jun;68(3):345–57

Evidence for individuality of breathing patterns in resting healthy man. Shea SA, et al. **Respir Physiol** 1987 Jun; 68(3):331–44

Reflex effects of isocapnic changes in ventilation on tracheal tone in awake dogs. Sorkness R, et al. **Respir Physiol** 1987 Aug;69(2):161–72

Ventilatory responses to hypoxia nullify hypoxic tracheal constriction in awake dogs. Sorkness RL, et al. **Respir Physiol** 1986 Oct;66(1):41–52

Deposition and phagocytosis of inhaled particles in the gas exchange region of the duck, Anas platyrhynchos. Stearns RC, et al. **Respir Physiol** 1987 Jan;67(1):23–36

Effect of breathing dry warm air on respiratory water loss at rest and during exercise. Tabka Z, et al. **Respir Physiol** 1987 Feb;67(2):115–25

Respiratory activity in the superior laryngeal nerve of the rabbit. Tsubone H, et al. **Respir Physiol** 1987 Aug; 69(2):195–207

Effects of hypothalamic lesions on the cardiorespiratory responses to muscular contraction. Waldrop TG, et al. **Respir Physiol** 1986 Nov;66(2):215–24

Effect of upper airway pressure pulses on breathing pattern. Woodall DL, et al. **Respir Physiol** 1986 Oct;66(1):71–81

Gas mixing in the human upper airways. Ben Jebria AB. **Respiration** 1986;50(4):273–8

Relationships between minute ventilation, oxygen uptake, and time during incremental exercise. Fairshter RD, et al. **Respiration** 1987;51(3):223–31

Sources of error and variability in the determination of anaerobic threshold in healthy humans. Garrard CS, et al. **Respiration** 1987;51(2):137–45

Direct-writing recorder of the frequency dependence of dynamic compliance analyzed from one cycle of breathing and pulmonary resistance: effect of fenoterol on asthmatic subjects. Sasaki H, et al. **Respiration** 1986;50 Suppl 2:262–5

Effect of nifedipine on dose-response curves to acetylcholine and histamine measured during quiet breathing. Tomioka S, et al. **Respiration** 1986;50(3):185–92

Effects of respiratory stimulation on alae nasi electromyograms and respiratory changes in length in dogs. van Lunteren E, et al. **Respiration** 1987;51(1):58–67

The value of 99mTc macroaggregated albumin lung perfusion scanning in the prediction of postpneumonectomy function and pulmonary artery pressure. Julius AJ, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):81–5

Reappearance of Hering-Breuer reflex after bilateral autotransplantation of the lungs. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):15–20

Cardiorespiratory function after correction of tetralogy of Fallot. Modifying effect of previous shunt operation. Takkunen O, et al. **Scand J Thorac Cardiovasc Surg** 1987; 21(1):21–6

Arachidonic acid metabolites and control of breathing in the fetus and newborn. Kitterman JA. **Semin Perinatol** 1987 Jan;11(1):43–52 (64 ref.)

Oxygenation and breathing pattern during phasic and tonic REM in patients with chronic obstructive pulmonary disease. George CF, et al. **Sleep** 1987 Jun;10(3):234–43

Effect of aging on sleep-related changes in respiratory variables. Naifeh KH, et al. **Sleep** 1987 Apr;10(2):160–71

Snoring in normal young adults: prevalence in sleep stages and associated changes in oxygen saturation, heart rate, and breathing pattern. Perez-Padilla JR, et al. **Sleep** 1987 Jun;10(3):249–53

Chemical respiratory drive as a determinant of postoperative ventilation in the non-Pickwickian obese patient. Scardella AT, et al. **Surgery** 1987 Mar;101(3):310–4

Effects of changes in pulmonary arterial blood flow on ventilation in dogs. Lee BP, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Jan;86(1):1–10

Decline of ventilatory function with aging and smoking in normal Chinese. Yang GG, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):348–53

Pulmonary mechanics and atelectasis during immersion in oxygen-breathing subjects. Baer R, et al. **Undersea Biomed Res** 1987 May;14(3):229–40

Respiratory function in the upright, working diver at 6.8 ATA (190 fsw). Hickey DD, et al. **Undersea Biomed Res** 1987 May;14(3):241–62

A brief review: liquid ventilation. Shaffer TH. **Undersea Biomed Res** 1987 Mar;14(2):169–79 (60 ref.)

Priestley lecture 1986. On the science of deep-sea diving—observations on the respiration of different kinds of air. Smith EB. **Undersea Biomed Res** 1987 Jul; 14(4):347–69 (38 ref.)

The electrical-respiratory analogy when gas density is high. Van Liew HD. **Undersea Biomed Res** 1987 Mar; 14(2):149–60

Components of the pressure required to breathe dense gases. Van Liew HD. **Undersea Biomed Res** 1987 May; 14(3):263–76

Regional air trapping before and after exercise in young adults with cystic fibrosis. Kruhlak RT, et al. **West J Med** 1986 Aug;145(2):196–9

[Various aspects of respiration in the newborn infant] Rankova S. **Akush Ginekol (Sofiia)** 1986;25(5):69–75 (18 ref.) **(Bul)**

[Assessment of the effectiveness of respiration and hemodynamics in single-lung ventilation with adequate respiratory volume] Iordanov I, et al. **Khirurgiia (Sofiia)** 1986;39(3):1–6 **(Bul)**

[Changes in respiratory mechanics, gas exchange and circulation during bronchospasm under general anesthesia] Tenchev P, et al. **Khirurgiia (Sofiia)** 1987;40(3):30–4 (Eng. Abstr.) **(Bul)**

[Study on the lung function of nickel carbonyl workers] Shi ZC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):351–3 (Eng. Abstr.) **(Chi)**

[Concentration curve of tritiated water in expired gas in rabbits: its measurement and physiological significances] Sun ZM, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):84–91 (Eng. Abstr.) **(Chi)**

[Mechanisms of exercise hyperpnea] Chen ZB. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):216–20 (44 ref.) **(Chi)**

[Oxygen consumption, carbon dioxide production and the respiratory quotient in infants] Slavik Z, et al. **Cesk Pediatr** 1987 Apr;42(4):213–8 (Eng. Abstr.) **(Cze)**

[Oxygen consumption in infants with congenital heart defects] Slavík Z, et al. **Cesk Pediatr** 1987 May;42(5):266–70 (Eng. Abstr.) **(Cze)**

[Spiroergometry in patients with hypoxic pulmonary hypertension treated with Corinfar] Havel V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):325–32 (Eng. Abstr.) **(Cze)**

[Sudden flexion of arms and respiration-like thoracic movements in a brain-dead patient] Härkönen M. **Duodecim** 1986;102(13):888–90 **(Fin)**

[Sudden infant death and sucking troubles (letter)] Blandin E, et al. **Arch Fr Pediatr** 1986 Aug-Sep;43(7):535–6 **(Fre)**

[Can an improvement in pulmonary function be demonstrated in children under 10 years sent to winter sport classes?] Neukirch F, et al. **Arch Fr Pediatr** 1987 Jun-Jul; 44(6):437–40 (Eng. Abstr.) **(Fre)**

[Respiratory manifestations of alpha 1-antitrypsin deficiency in children. Clinical, biological and respiratory function study in 132 cases] Sablayrolles B, et al. **Arch Fr Pediatr** 1986 Jun-Jul;43(6):389–93 (Eng. Abstr.) **(Fre)**

[Indirect estimation of the maximal aerobic power of a male and female population from Brussels aged 6 to 23 years. Comparison with a direct technic for measuring maximal oxygen consumption] Poortmans J, et al. **J Physiol (Paris)** 1986;81(3):195–201 (Eng. Abstr.) **(Fre)**

[Consequences of adult brachial plexus paralysis and its surgical treatment on respiratory function] Allieu Y, et al. **Rev Chir Orthop** 1986;72(6):455–60 (Eng. Abstr.) **(Fre)**

[Transcutaneous oxygen tension and apnea during sleep stages in normal infants and infants at risk for sudden infant death syndrome] Peirano P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Dec; 16(4):395–402 (Eng. Abstr.) **(Fre)**

[Technics for measuring pressure, flow and volume in respiratory function tests] Duvivier C, et al. **Rev Mal Respir** 1986;3(6):449–56 **(Fre)**

[Technics for the functional evaluation of the thoracic cage] Fitting JW, et al. **Rev Mal Respir** 1986;3(4):173–86 (100 ref.) (Eng. Abstr.) **(Fre)**

[Evaluation of respiratory control] Hannhart B, et al. **Rev Mal Respir** 1986;3(6):425–9 **(Fre)**

[Respiratory evaluations during sleep] Krieger J, et al. **Rev Mal Respir** 1986;3(6):443–8 **(Fre)**

[Asthma and pregnancy: peculiarities, therapeutic precautions] de Fenoyl O, et al. **Rev Pneumol Clin** 1987; 43(2):104–8 (Eng. Abstr.) **(Fre)**

[Changes in the respiratory function in Gougerot-Sjögren syndrome] Djeradi M, et al. **Rev Pneumol Clin** 1987; 43(2):85–9 (Eng. Abstr.) **(Fre)**

[Respiratory and non-respiratory functions of the lung] Wittmann J. **Tierarztl Prax** 1987;Suppl 2:33–6 (11 ref.) (Eng. Abstr.) **(Ger)**

[Working Group on Clinical Respiratory Physiology: 1983 work session. Bad Gleichenberg, 13–15 October 1983. Abstracts] **Wien Med Wochenschr [Suppl]** 1984;80:1–36 **(Ger)**

[Effect of productive work on adaptive reactions of the cardiorespiratory system in man in the North] Ketkin AT, et al. **Z Gesamte Hyg** 1987 Jan;33(1):6–9 (Eng. Abstr.) **(Ger)**

[Respiratory effects of simultaneous stimulation of 2 extensor muscle nerves in the cat. I: Facilitation] Carcassi AM, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):679–83 (Eng. Abstr.) **(Ita)**

[Respiratory effects of simultaneous stimulation of 2 extensor muscle nerves in the cat. II: Inhibition] Carcassi AM, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):685–90 (Eng. Abstr.) **(Ita)**

[Changes in the variability of the heart rate induced by controlled respiration and beta-adrenergic block] Guzzetti S, et al. **Cardiologia** 1986 Aug;31(8):613–6 (Eng. Abstr.) **(Ita)**

[Hypothesis of the pathology of mediation in surgery (1)] Marini F, et al. **Chir Ital** 1986 Dec;38(6):563–80 (Eng. Abstr.) **(Ita)**

[Rate responsive electrostimulation. Recent findings] Cazzin R, et al. **G Ital Cardiol** 1986 Aug;16(8):707–8 **(Ita)**

[Evaluation of oxygen consumption and other cardiorespiratory parameters measured during the execution of 3 types of muscular exercises used in respiratory kinesitherapy] Imbriani M, et al. **G Ital Med Lav** 1985 Sep-Nov;7(5–6):197–201 (Eng. Abstr.) **(Ita)**

[Age and respiratory function. Natural history of the normal lung] Grassi V, et al. **Recenti Prog Med** 1986 Dec; 77(12):587–92 **(Ita)**

[Sleep and respiration] Hishikawa Y. **Ann Physiol Anthropol** 1985 Oct;4(4):334–6 **(Jpn)**

[Characteristics of aerobic capacity in swimming and field groups] Ichimaru N, et al. **Ann Physiol Anthropol** 1985 Oct; 4(4):301–8 (Eng. Abstr.) **(Jpn)**

[Effects of exposure to sulfuric acid mist on the induction of experimental asthma in guinea-pigs: studies on the breathing curve pattern and pulmonary beta-adrenergic receptor] Iguchi K, et al. **Arerugi** 1986 Jun;35(6):402–8 (Eng. Abstr.) **(Jpn)**

[Respiratory care for pulmonary resection in geriatric patients with bronchogenic carcinoma] Kikuchi K, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3114–8 (Eng. Abstr.) **(Jpn)**

[Factor analysis of the washout phase in Xe-133 ventilation studies] Hashimoto H, et al. **Kaku Igaku** 1986 Jul; 23(7):955–8 (Eng. Abstr.) **(Jpn)**

[Receptors in the respiratory tract and their reflex effects] Arita H. **Kokyu To Junkan** 1986 Oct;34(10):1020–33 (51 ref.) **(Jpn)**

[Endorphin and respiratory regulation] Fujimoto K, et al.

Kokyu To Junkan 1986 Jun;34(6):576–85 (79 ref.) **(Jpn)**
[Basic and clinical aspects of the ventilatory response to exercise] Hida W, et al. **Kokyu To Junkan** 1987 May; 35(5):493–500 **(Jpn)**
[Respiratory changes in the obstructive sleep apnea syndrome during nasal continuous positive airway pressure] Hirai M, et al. **Kokyu To Junkan** 1987 May;35(5):509–13 **(Jpn)**
[A new imaging of pulmonary ventilation using nitrogen-13 and positron emission tomography (PET)] Itoh H, et al. **Kokyu To Junkan** 1987 Jan;35(1):21–9 **(Jpn)**
[Interaction of upper airway reflexes and the chemical respiratory control system] Nishino T.
Kokyu To Junkan 1987 May;35(5):501–8 **(Jpn)**
[Significance of inspiratory activity in chest diseases with and without hypercapnia] Otsuka H, et al.
Kokyu To Junkan 1987 May;35(5):469–73 **(Jpn)**
[Analysis of regional ventilation using radionuclear method] Shimada T, et al. **Kokyu To Junkan** 1987 Jan;35(1):39–45 **(Jpn)**
[The effects of cerebral blood flow and metabolism on the control of breathing] Suzuki A, et al. **Kokyu To Junkan** 1987 May;35(5):485–92 **(Jpn)**
[Cardiopulmonary function in symptomatic asthma] Tomioka S, et al. **Kokyu To Junkan** 1986 Dec;34(12):1259–65 (37 ref.) **(Jpn)**
[Respiratory and hemodynamic effects of positive end-expiratory pressure (PEEP) with increased intra-abdominal pressure] Inaba H, et al. **Masui** 1987 Feb; 36(2):179–87 (Eng. Abstr.) **(Jpn)**
[Effect of low flow anesthesia on respiratory metabolism; continuous measurement of VO2, VCO2 and RQ in surgical patients] Isozaki K. **Masui** 1987 Mar;36(3):329–39 (Eng. Abstr.) **(Jpn)**
[Possible participation of endogenous bursting neurons in central respiratory rhythm generation] Kitano S. **Masui** 1986 Nov;35(11):1619–32 (Eng. Abstr.) **(Jpn)**
[The oxygen cost of breathing in critically ill patients] Takii Y. **Masui** 1986 Dec;35(12):1836–49 (Eng. Abstr.) **(Jpn)**
[Respiratory function and pulmonary thromboxane release after total thoracic esophagectomy] Chen CM.
Nippon Geka Gakkai Zasshi 1987 Mar;88(3):273–82 (Eng. Abstr.) **(Jpn)**
[Irradiation synchronized with the respiratory cycle] Ohara K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Mar 25;47(3):488–96 (Eng. Abstr.) **(Jpn)**
[Cardiovascular and respiratory reflexes resulting from capsaicin-stimulated renal afferent receptors in dogs] Ohba H, et al. **Nippon Jinzo Gakkai Shi** 1986 Aug;28(8):1171–7 (Eng. Abstr.) **(Jpn)**
["Open mouth breathing" in chronic pulmonary emphysema] Hamada K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):93–8 (Eng. Abstr.) **(Jpn)**
[Influence of cigarette smoking on lung function of healthy adult males--statistical analysis using an electronic computer] Ikeda H, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Aug; 24(8):871–7 (Eng. Abstr.) **(Jpn)**
[Bronchodilation following deep inspiration in normal subjects and patients with bronchial asthma] Kanamori K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):970–6 (Eng. Abstr.) **(Jpn)**
[Pulmonary function in 122 cases of sarcoidosis] Suzuki K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1309–14 (Eng. Abstr.) **(Jpn)**
[Relation between CIA and principal variables of breathing pattern] Tamaya S.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Nov; 24(11):1266–74 (Eng. Abstr.) **(Jpn)**
[A case of Cheyne-Stokes respiration--a mechanism of ventilatory control and the effect of acetazolamide] Tojima H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1135–41 (Eng. Abstr.) **(Jpn)**
[Relation between age and the bronchodilatory effect of deep inspiration in normal women: evaluation by partial and maximum expiratory flow-volume curve] Shibayama M, et al. **Rinsho Byori** 1986 Dec;34(12):1447–51 **(Jpn)**
[IVDSA while breathing--breathing technic] Matsuoka S, et al. **Rinsho Hoshasen** 1987 May;32(5):641–7 (Eng. Abstr.) **(Jpn)**
[A rhinospirographic method of respiratory function test for young children] Emeryk A, et al. **Pediatr Pol** 1986 May; 61(5):270–4 (Eng. Abstr.) **(Pol)**
[Functional studies of the respiratory system in children with congenital heart defects and reduced pulmonary blood flow] Szczepańska Z. **Pediatr Pol** 1986 Oct;61(10):629–34 (Eng. Abstr.) **(Pol)**
[Circulatory-respiratory tests as indicators of the development of the neuroautonomic system in preschool children] Szewczyk L, et al. **Pediatr Pol** 1986 Jul; 61(7):421–4 (Eng. Abstr.) **(Pol)**
[Selected aspects of the biomechanics of respiration] Andrzejewski K, et al. **Pneumonol Pol** 1986 Aug; 54(8):366–9 (33 ref.) **(Pol)**
[The fate of patients with chronic bronchitis during 3 years' observation in relation to respiratory function and pulmonary hemodynamics] Chodosowska E.
Pneumonol Pol 1986 Sep;54(9):381–93 (Eng. Abstr.) **(Pol)**
[Reference values of the indicators of respiratory mechanics in children under 2 years of age. I. Airway resistance (Raw) and functional residual capacity (FRC pl)] Gutkowski P. **Pneumonol Pol** 1987 Feb;55(2):60–4 (Eng. Abstr.) **(Pol)**
[Reference values of the indicators of respiratory mechanics in children under 2 years of age. II. Total compliance (Crs) and total resistance (Rrs) of the respiratory system] Gutkowski P, et al. **Pneumonol Pol** 1987 Feb;55(2):65–70 (Eng. Abstr.) **(Pol)**
[Long-term studies of inhabitants of industrial cities in Silesia with chronic bronchitis] Kurgan J. **Pneumonol Pol** 1986 Sep;54(9):401–9 (Eng. Abstr.) **(Pol)**
[Evaluation of the usefulness of inductive plethysmograph (Respitrace) in the non-invasive monitoring of pulmonary ventilation (preliminary report)] Maszczyk Z, et al.
Pneumonol Pol 1986 Oct;54(10):448–58 (Eng. Abstr.) **(Pol)**
[Effect of thymectomy on pulmonary function in patients with generalized myasthenia gravis] Radwan L, et al.
Pneumonol Pol 1986 Aug;54(8):358–62 (Eng. Abstr.) **(Pol)**
[The respiratory muscles and their role in lung diseases] Walczak J. **Pneumonol Pol** 1987 Mar;55(3):129–34 (20 ref.) **(Pol)**
[Methods of spirometric studies and the changes in ventilatory indicators] Rogala E, et al.
Pol Arch Med Wewn 1986 Mar;75(3):199–202 (Eng. Abstr.) **(Pol)**
[Functional study of the respiratory system in hay fever] Doboszyńska A, et al. **Pol Tyg Lek** 1986 Nov 3–10; 41(44–45):1408–10 (Eng. Abstr.) **(Pol)**
[Changes in external respiratory function in women of childbearing age during the menstrual cycle] Lutsenko MT, et al. **Akush Ginekol (Mosk)** 1987 May;(5):25–7 (Eng. Abstr.) **(Rus)**
[Respiratory function in pregnant women with congenital heart defects] Zakrevskiĭ AA, et al.
Akush Ginekol (Mosk) 1986 Dec;(12):38–41 (Eng. Abstr.) **(Rus)**
[Mass-spectrometric gas analysis in the detection of risk factors in children with chronic bronchopulmonary diseases] Dolina OA, et al. **Anesteziol Reanimatol** 1986 Nov-Dec;(6):3–4 (Eng. Abstr.) **(Rus)**
[Effect of the respiratory rate on the tidal volume and ventilatory minute volume in high-frequency jet-controlled artificial pulmonary ventilation] Kassil' VL, et al. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):47–8 (Eng. Abstr.) **(Rus)**
[Effect of emotional pain stress on ventilatory sensitivity to a hypercapnic stimulus] Seregin GI, et al.
Anesteziol Reanimatol 1987 Mar-Apr;(2):22–4 (Eng. Abstr.) **(Rus)**
[Role of cortical effects in the activity of the respiratory center as a paired structure] Merkulova NA, et al.
Biol Nauki 1986;(6):46–51 **(Rus)**
[Electrophysiological evaluation of the intensity of protective respiratory reflexes] Kulik AM, et al.
Biull Eksp Biol Med 1987 Jul;104(7):5–8 (Eng. Abstr.) **(Rus)**
[Interrelation of respiratory variability and ventilatory sensitivity to a hypercapnic stimulus] Seregin GI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):137–9 (Eng. Abstr.) **(Rus)**
[Quantitative analysis of the status of the human body during exposure to sound and color by modulation of the rate and depth of respiration] Gus'kov SV, et al.
Fiziol Cheloveka 1987 May-Jun;13(3):411–8 **(Rus)**
[Enhancement of the functional potentials of the human body through breathing exercises via additional dead space] Ioffe LTs, et al. **Fiziol Cheloveka** 1987 Mar-Apr;13(2):241–4 **(Rus)**
[Role of active rest in accelerating restoration of acid-base balance and external respiratory functions in fatigue] Krasnikov NP, et al. **Fiziol Cheloveka** 1987 Jan-Feb; 13(1):50–7 **(Rus)**
[Interaction of mechanisms facilitating and limiting voluntary reduction of pulmonary ventilation during muscular work] Kuchkin SN, et al. **Fiziol Cheloveka** 1987 Jan-Feb; 13(1):121–6 **(Rus)**
[Analysis of the relation between the basic parameters of gas exchange, pulmonary ventilation and hemodynamics in pregnant women] Lopatin VA, et al. **Fiziol Cheloveka** 1987 May-Jun;13(3):456–62 **(Rus)**
[Changes in the respiratory function of women during different seasons of the year] Lutsenko MT, et al.
Fiziol Cheloveka 1987 May-Jun;13(3):446–9 **(Rus)**
[Age and features of the interaction of mechanisms regulating heart rate and external respiration in coal miners] Perederiĭ GS, et al. **Fiziol Cheloveka** 1987 Jan-Feb;13(1):77–83 **(Rus)**
[Responses of the respiratory system to hypoxic and hypercapnic stimuli during human adaptation to high altitude conditions] Serebrovskaia TV, et al.
Fiziol Cheloveka 1987 Jan-Feb;13(1):58–64 **(Rus)**
[Potentiation of the effect of oxygen on the body in the presence of helium] Seredenko MM, et al.
Fiziol Cheloveka 1987 May-Jun;13(3):463–8 **(Rus)**
[Model for demonstrating the mechanisms of lung respiratory movements and pneumothorax] Agarkov FT, et al.
Fiziol Zh 1987 Mar-Apr;33(2):109–11 (Eng. Abstr.) **(Rus)**
[Ventilatory response to a hypercapnic stimulus as an index of the reactivity of the human respiratory system] Berezovskiĭ VA, et al. **Fiziol Zh** 1987 May-Jun;33(3):12–8 (Eng. Abstr.) **(Rus)**
[The genesis of respiration-related sensations] Breslav IS, et al. **Fiziol Zh** 1987 May-Jun;33(3):116–21 (41 ref.) (Eng. Abstr.) **(Rus)**
[Effect of hypercapnia and drug-induced anesthesia on the phases of the respiratory cycle in rabbits] Kliueva NZ, et al. **Fiziol Zh** 1987 May-Jun;33(3):73–8 (Eng. Abstr.) **(Rus)**
[Effect of a hypercapnic gas mixture on external respiration and the blood acid-base state in muscle fatigue] Krasnikov NP. **Fiziol Zh** 1987 May-Jun;33(3):18–24 (Eng. Abstr.) **(Rus)**
[The capacity of animals to purposefully alter their respiratory stereotype] Miniaev VI, et al. **Fiziol Zh** 1987 May-Jun;33(3):42–7 (Eng. Abstr.) **(Rus)**
[Control of pulmonary ventilation under muscle loading in healthy untrained subjects] Shik LL, et al. **Fiziol Zh** 1987 May-Jun;33(3):3–7 (Eng. Abstr.) **(Rus)**
[The physiology of respiration: growth periods] Breslav IS. **Fiziol Zh SSSR** 1987 Apr;73(4):441–53 **(Rus)**
[Changes in the activity of phrenic motor neurons in response to reduced compliance of the abdominal wall (apropos of the significance of the excitatory intercostal-phrenic reflex)] Glebovskiĭ VD, et al. **Fiziol Zh SSSR** 1986 Nov; 72(11):1533–41 (Eng. Abstr.) **(Rus)**
[Reflex changes in pulmonary ventilation after stimulation of tissue receptors with solutions modeling metabolic acidosis] Iartsuev VN. **Fiziol Zh SSSR** 1987 Mar; 73(3):412–7 (Eng. Abstr.) **(Rus)**
[Effect of the functional status of the supraoptic nuclei of the hypothalamus on surface-active properties of the lungs and external respiration in the rabbit] Kriuchkova VI, et al. **Fiziol Zh SSSR** 1986 Jul;72(7):959–63 (Eng. Abstr.) **(Rus)**
[Features of the respiration of the rat at a given tidal volume] Miniaev VI, et al. **Fiziol Zh SSSR** 1987 Mar;73(3):418–23 (Eng. Abstr.) **(Rus)**
[Dynamics of oxygen in the pregnant uterus during hypo- and hyperoxia] Raguzin AV, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1542–4 **(Rus)**
[Effect of the thoracic pumping function on venous return in chronic experiments] Tseshke G, et al.
Fiziol Zh SSSR 1987 Jun;73(6):765–74 (Eng. Abstr.) **(Rus)**
[Dynamics of the respiratory indices of adolescents training for occupations in the textile industry] Aleksandrovskaia VI. **Gig Sanit** 1987 Jan;(1):12–3 (Eng. Abstr.) **(Rus)**
[Physical work capacity and respiratory parameters of students at a secondary education boarding school] Datsenko II, et al. **Gig Sanit** 1987 May;(5):25–8 (Eng. Abstr.) **(Rus)**
[Changes in the indicators of external respiration as the criteria of the effects of polluted atmospheric air] Penknovich AA, et al. **Gig Sanit** 1986 Oct;(10):7–9 (Eng. Abstr.) **(Rus)**
[Effects of voyage characteristics on indices of external and tissue respiration of naval specialists] Vladimirov VN, et al. **Gig Sanit** 1987 Mar;(3):19–21 (Eng. Abstr.) **(Rus)**
[The mechanism of action of vibration on man] Okhnianskaia LG, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):27–30 (Eng. Abstr.) **(Rus)**
[External respiratory function and the condition of the surfactant in experimental contusion of the lung] Bisenkov LN, et al. **Grudn Khir** 1987 Jan-Feb;(1):60–3 (Eng. Abstr.) **(Rus)**
[Ventilation and blood flow of the solitary lung in the early postoperative period (data of zonal rheography)] Ivan'ko TP, et al. **Grudn Khir** 1987 Mar-Apr;(2):75–8 (Eng. Abstr.) **(Rus)**
[Value of respiratory function tests in surgery of the lungs in children] Ivanov AIu, et al. **Grudn Khir** 1987 Jan-Feb; (1):56–60 (Eng. Abstr.) **(Rus)**
[External respiratory function, blood oxygenation and the biogenic amine content in different hemodynamic variants of hypertension] Tuev AV, et al. **Kardiologiia** 1986 Aug; 26(8):77–81 (Eng. Abstr.) **(Rus)**
[Characteristics of the elimination of non-volatile substances with expired air in patients with chronic bronchitis] Dobrykh VA. **Klin Med (Mosk)** 1986 Dec;64(12):76–8 (Eng. Abstr.) **(Rus)**
[Evaluation of the effect of excess intrapulmonary pressure on human respiratory function] Breslav IS, et al.
Kosm Biol Aviakosm Med 1986 Sep-Oct;20(5):64–9 (Eng. Abstr.) **(Rus)**
[Biorhythmologic analysis of the dynamics of indices of pulmonary ventilation during orthostatic manipulations] Galichiĭ VA. **Kosm Biol Aviakosm Med** 1987 May-Jun; 21(3):52–9 (Eng. Abstr.) **(Rus)**
[Effect of voluntary changes in respiration on the functional status of the cardiorespiratory system in hypoxic hypoxia] Gora EP. **Kosm Biol Aviakosm Med** 1987 Mar-Apr; 21(2):86–7 **(Rus)**
[Functional status of the human cardiorespiratory system after 30 hours' antiorthostatic hypokinesia] Machinskiĭ GV, et al. **Kosm Biol Aviakosm Med** 1987 Mar-Apr;21(2):46–8 (Eng. Abstr.) **(Rus)**
[Isoenzyme composition of human blood lactate dehydrogenase after a single exposure to acute hypoxia and its relation to levels of physical work capacity] Serebrovskaia TV, et al. **Kosm Biol Aviakosm Med** 1987 Jan-Feb;21(1):87–9 **(Rus)**
[Medico-technological aspects of the electric stimulation of respiration] Prilmak AA, et al. **Med Tekh** 1986 Nov-Dec; (6):19–22 (Eng. Abstr.) **(Rus)**

[Respiratory modulation of startle reflexes in the cat] Gokin AP, et al. **Neirofiziologiia** 1986;18(5):593–603 (Eng. Abstr.) **(Rus)**

[Respiratory alternation of the ECG waves in adolescents] Koz'min-Sokolov NB. **Pediatriia** 1986 Oct;(10):77–8 **(Rus)**

[Respiratory and cardiovascular function of patients with acute leukemia and lymphogranulomatosis during remission] Shiriaeva IS, et al. **Pediatriia** 1987;(2):52–5 (Eng. Abstr.) **(Rus)**

[The nebulizer system and its effect on external respiratory function] Chuchalin AG, et al. **Probl Tuberk** 1987;(4):26–9 (Eng. Abstr.) **(Rus)**

[Complex evaluation of the status of circulation and respiration of patients with tuberculous spondylitis] Ivanova TN, et al. **Probl Tuberk** 1986;(11):35–9 (Eng. Abstr.) **(Rus)**

[Effect of heliox on ventilation and blood oxygen transport in patients with a restrictive form of ventilatory insufficiency] Zhukovskil LI, et al. **Probl Tuberk** 1987;(6):27–31 (Eng. Abstr.) **(Rus)**

[Function of the system of external respiration in disorders of pulmonary hemodynamics of different etiologies] Aleksa VI, et al. **Sov Med** 1986;(10):93–5 **(Rus)**

[Hemodynamics and external respiration in patients with concomitant cardiovascular diseases operated on for lung cancer] Gerasimenko VN, et al. **Sov Med** 1986;(8):8–13 (Eng. Abstr.) **(Rus)**

[Characteristics of nasal breathing and of the surgical procedure in nose deformities following the primary operation for unilateral cleft upper lip] Vissarionov VA, et al. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):49–50 (Eng. Abstr.) **(Rus)**

[Chronoprevention and chronotherapy of bronchial asthma] Fedoseev GB, et al. **Ter Arkh** 1987;59(3):50–2 (Eng. Abstr.) **(Rus)**

[Dynamics of respiratory function and and bicycle ergometry in the treatment of patients with chronic circulatory failure] Ordian MM, et al. **Ter Arkh** 1986;58(11):48–51 (Eng. Abstr.) **(Rus)**

[Age-related changes in physical work capacity and its cardiorespiratory support] Korkushko OV, et al. **Vestn Akad Med Nauk SSSR** 1986;(10):42–7 (Eng. Abstr.) **(Rus)**

[How to breath properly] Moshkov VN. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr;(2):62–5 **(Rus)**

[Zonal rheoplethysmography in determining ventilation and blood flow in the lungs (a review of the literature)] Marchuk IK. **Vrach Delo** 1987 Apr;(4):11–4 (49 ref.) (Eng. Abstr.) **(Rus)**

[Respiratory function of myasthenia patients] Shevniuk MM. **Vrach Delo** 1987 Mar;(3):55–7 (Eng. Abstr.) **(Rus)**

[Further development of the hypothesis on the possible formation of pulmonary respiration on the basis of apical gas exchange in the digestive epithelium] Gromova LV, et al. **Zh Evol Biokhim Fiziol** 1986 Jul–Aug;22(4):400–5 **(Rus)**

[Clinico-morphologic description of insufficiency of chemoreceptors of the ventral surface of the medulla oblongata] Kul'chitskil VA. **Zh Nevropatol Psikhiatr** 1986;86(7):1055–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the efficacy of treating the lumbosacral pain syndrome according to the degree of respiratory rhythm irregularity upon inclining the body forward] Vagin IuE, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1155–8 (Eng. Abstr.) **(Rus)**

[Reflection of dominant food motivation in the structure of the temporal organization of respiration in the rabbit] Kromin AA, et al. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb;37(1):165–7 **(Rus)**

[Conditioned defensive reflexes of the rat in the presence of excess oxygen in the early stages of postnatal development] Raguzin AV. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):985–6 **(Rus)**

[Anthropometric and functional indicators in older school children] Medved R, et al. **Lijec Vjesn** 1986 Nov–Dec;108(11–12):480–6 (Eng. Abstr.) **(Scr)**

[Naso-pulmonary reflex in surgery of the nasal pyramid and nasal fossa] Murillas G, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):425–34 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Changes in breathing pattern and chest wall mechanics after benzodiazepines in combination with meperidine. Berggren L, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):381–6

Recovery of cardiac and ventilatory frequencies after sub-acute pesticide (ABOL-X) treatment in rainbow trout, Salmo gairdneri Richardson. Bíró P, et al. **Acta Biol Hung** 1985;36(3–4):269–79

Positive effects of ketamine v. metomidate anesthesia on cardiovascular function, oxygen delivery and survival. Studies with a porcine endotoxin model. Modig J. **Acta Chir Scand** 1987 Jan;153(1):7–13

Intraventricular administration of neuropeptide Y (NPY) induces hypotension, bradycardia and bradypnoea in the awake unrestrained male rat. Counteraction by NPY-induced feeding behaviour. Härfstrand A. **Acta Physiol Scand** 1986 Sep;128(1):121–3

Respiratory stimulant effects by TRH into the mesencephalic region in the rat. Hedner J, et al. **Acta Physiol Scand** 1987 May;130(1):69–75

The effect of inhaled carbon dioxide and hypoxia mixtures on the electrical and mechanical activities of respiratory muscles in dogs. Viljanen AA, et al. **Acta Physiol Scand** 1986 Oct;128(2):231–9

Preliminary report on the cardiorespiratory effects of the antagonist to detomidine, MPV-1248. Nilsfors L, et al. **Acta Vet Scand [Suppl]** 1986;82:121–9

The effect of sedatives on lung function in horses. Reitemeyer H, et al. **Acta Vet Scand [Suppl]** 1986;82:111–20

Cardiovascular and pulmonary function studies of a new sedative/analgetic (detomidine/Domosedan) for use alone in horses or as a preanesthetic. Short CE, et al. **Acta Vet Scand [Suppl]** 1986;82:139–55

Cardiorespiratory inhibitory reflex induced by intravenous administration of acetaldehyde in rats. Brugere S, et al. **Alcohol** 1986 Sep–Oct;3(5):317–22

Attenuation of exercise training effects in patients taking beta blockers during early cardiac rehabilitation. Ciske PE, et al. **Am Heart J** 1986 Nov;112(5):1016–25

Combined effect of ozone and sulfuric acid on pulmonary function in man. Horvath SM, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):94–8

Respirable dust control in grinding gray iron castings. O'Brien D, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):181–7

Acute inhalation exposure of azodicarbonamide in the guinea pig. Shopp GM, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):127–32

Temporal effects of halothane and isoflurane in laterally recumbent ventilated male horses. Dunlop CI, et al. **Am J Vet Res** 1987 Aug;48(8):1250–5

Time-related responses of spontaneously breathing, laterally recumbent horses to prolonged anesthesia with halothane. Steffey EP, et al. **Am J Vet Res** 1987 Jun;48(6):952–7

Cardiovascular and respiratory measurements in awake and isoflurane-anesthetized horses. Steffey EP, et al. **Am J Vet Res** 1987 Jan;48(1):7–12

Endotoxin-induced changes in pulmonary hemodynamics and respiratory mechanics. Role of lipoxygenase and cyclooxygenase products. Ahmed T, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1149–57

Partitioning of respiratory mechanics in young adults. Effects of duration of anesthesia [published erratum appears in Am Rev Respir Dis 1987 Apr;135(4):991] Baydur A, et al. **Am Rev Respir Dis** 1987 Jan;135(1):165–72

Effects of hydralazine on mouth occlusion pressure and ventilatory response to hypercapnia in patients with chronic obstructive pulmonary disease and pulmonary hypertension. Corriveau ML, et al. **Am Rev Respir Dis** 1987 Jan;135(1):118–22

The effects of aminophylline on sleep and sleep-disordered breathing in patients with obstructive sleep apnea syndrome. Espinoza H, et al. **Am Rev Respir Dis** 1987 Jul;136(1):80–4

Ozone exposure increases respiratory epithelial permeability in humans. Kehrl HR, et al. **Am Rev Respir Dis** 1987 May;135(5):1124–8

Ventilatory effects of almitrine bismesylate in congenital central hypoventilation syndrome. Oren J, et al. **Am Rev Respir Dis** 1986 Nov;134(5):917–9

Morphine-induced respiratory depression in the elderly [letter] Bourke DL. **Anaesthesia** 1987 Apr;42(4):428–9

Respiratory depression after morphine in the elderly. A comparison with younger subjects. Daykin AP, et al. **Anaesthesia** 1986 Sep;41(9):910–4

Prolonged and biphasic respiratory depression following epidural buprenorphine. Molke Jensen F, et al. **Anaesthesia** 1987 May;42(5):470–5

The respiratory effects of isoflurane, enflurane and halothane in spontaneously breathing children. Murat I, et al. **Anaesthesia** 1987 Jul;42(7):711–8

Epidural butorphanol or morphine for the relief of post-cesarean section pain: ventilatory responses to carbon dioxide. Abboud TK, et al. **Anesth Analg** 1987 Sep;66(9):887–93

Butorphanol improves CO2 response and ventilation after fentanyl anesthesia. Bowdle TA, et al. **Anesth Analg** 1987 Jun;66(6):517–22

Respiratory effects of sevoflurane. Doi M, et al. **Anesth Analg** 1987 Mar;66(3):241–4

Ventilatory response to carbon dioxide after intramuscular and epidural fentanyl. Negre I, et al. **Anesth Analg** 1987 Aug;66(8):707–10

Pupillary diameter and ventilatory CO2 sensitivity after epidural morphine and buprenorphine in volunteers. Ravnborg M, et al. **Anesth Analg** 1987 Sep;66(9):847–51

Analgesic and cardiorespiratory effects of epidural sufentanil and morphine in humans. Van der Auwera D, et al. **Anesth Analg** 1987 Oct;66(10):999–1003

Endocrine and hemodynamic effects of antagonism of fentanyl-induced respiratory depression by nalbuphine. Zsigmond EK, et al. **Anesth Analg** 1987 May;66(5):421–6

Respiratory effects of nalbuphine and butorphanol in anesthetized patients. Zucker JR, et al. **Anesth Analg** 1987 Sep;66(9):879–81

Cardiorespiratory effects and kinetics of intrathecally injected D-Ala2-D-Leu5-enkephalin and morphine in unanesthetized dogs. Atchison SR, et al. **Anesthesiology** 1986 Dec;65(6):609–16

Epidural morphine in children: pharmacokinetics and CO2 sensitivity. Attia J, et al. **Anesthesiology** 1986 Dec;65(6):590–4

Respiratory interactions of ketamine and morphine. Bourke DL, et al. **Anesthesiology** 1987 Feb;66(2):153–6

Diazepam and the hypercarbic response to carbon dioxide [letter] Fee JP. **Anesthesiology** 1987 Apr;66(4):582–3

Ventilatory pattern and chest wall mechanics during ketamine anesthesia in humans. Mankikian B, et al. **Anesthesiology** 1986 Nov;65(5):492–9

Noninvasive evaluation of breathing pattern and thoraco-abdominal motion following the infusion of ketamine or droperidol in humans. Morel DR, et al. **Anesthesiology** 1986 Oct;65(4):392–8

Determinants of end expiratory volume in young children during ketamine or halothane anesthesia. Shulman D, et al. **Anesthesiology** 1987 May;66(5):636–40

Effects of halothane on medullary inspiratory neurons of the cat. Tabatabai M, et al. **Anesthesiology** 1987 Feb;66(2):176–80

Effect of caffeine on pneumogram and apnoea of infancy. Anwar M, et al. **Arch Dis Child** 1986 Sep;61(9):891–5

Ingestion of either scotch or vodka induces equal effects on sleep and breathing of asymptomatic subjects. Block AJ, et al. **Arch Intern Med** 1987 Jun;147(6):1145–7

Concentration-dependent respiratory response of guinea pigs to paraquat aerosol. Burleigh-Flayer H, et al. **Arch Toxicol** 1987 Apr;59(6):391–6

Pharmacokinetics and pharmacodynamics of the oxime HI6 in dogs. Klimmek R, et al. **Arch Toxicol** 1986 Dec;59(4):272–8

Intracellular study of ethanol action on bulbar inspiratory neurons. Takeda R, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1986 Dec;21(4):253–64

Atropine sulfate effects on aviator performance and on respiratory-heart period interactions. Dellinger JA, et al. **Aviat Space Environ Med** 1987 Apr;58(4):333–8

Fetal cardiovascular and breathing movement responses to endogenous opiates. Lewis AB, et al. **Biol Neonate** 1986;50(5):278–87

Recovery of respiration after neuromuscular blockade with alcuronium. Astley BA, et al. **Br J Anaesth** 1987 Feb;59(2):206–10

Ventilation, ventilatory carbon dioxide and hormonal response during halothane anaesthesia and surgery in children after midazolam premedication. Charlton AJ, et al. **Br J Anaesth** 1986 Nov;58(11):1234–41

Naloxone does not influence breathing during isoflurane anaesthesia. Drummond GB, et al. **Br J Anaesth** 1987 Apr;59(4):444–8

Congenital heart malformations and ventilatory efficiency in children. Effects of lung perfusion during halothane anaesthesia and spontaneous breathing. Lindahl SG, et al. **Br J Anaesth** 1987 Apr;59(4):410–8

Respiratory effects of nitrous oxide during isoflurane anaesthesia in children. Murat I, et al. **Br J Anaesth** 1986 Oct;58(10):1122–9

Effects of halothane, isoflurane and enflurane on ventilation in children. Wren WS, et al. **Br J Anaesth** 1987 Apr;59(4):399–409

Psychomotor, pulmonary and exercise responses to sleep medication. Charles RB, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):191–7

The respiratory effects of oral ethyl loflazepate in volunteers. Fazackerley EJ, et al. **Br J Clin Pharmacol** 1987 Feb;23(2):183–7

A comparison of the ventilatory, cardiovascular and metabolic effects of salbutamol, aminophylline and vasoactive intestinal peptide in normal subjects. Morice AH, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):149–53

The effects of beta-adrenoceptor blockade on breathing during progressive exercise in normal man. Pearson SB, et al. **Br J Clin Pharmacol** 1987 Aug;24(2):173–8

Intravenous infusion of adenosine but not inosine stimulates respiration in man. Reid PG, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):331–8

Adenosine-induced respiratory stimulation in man depends on site of infusion. Evidence for an action on the carotid body? Watt AH, et al. **Br J Clin Pharmacol** 1987 Apr;23(4):486–90

Failure of enhancement by labetalol of bronchopulmonary effects of histamine in guinea-pigs: independence of alpha-adrenoceptor antagonism. Clerici C, et al. **Br J Pharmacol** 1987 Jul;91(3):487–92

Influence of intrinsic sympathomimetic activity on respiratory function [letter] Northcote RJ. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1174

The excitation by neurotensin of nucleus tractus solitarius neurons induces apneustic breathing. Morin-Surun MP, et al. **Brain Res** 1986 Oct 1;384(1):106–13

Development of tolerance to respiratory depression in morphine- and etorphine-pellet-implanted mice. Roerig SC, et al. **Brain Res** 1987 Jan 6;400(2):278–84

Respiratory and vasomotor effects of excitatory amino acid on ventral medulla surface. Mitra J, et al. **Brain Res Bull** 1987 May;18(5):681–4

Role of the mechanical impairment on the ventilatory response to CO2 in chronic airway obstruction. Plotkowski LM, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb;23(1):51–6

Airway anaesthesia and breathing pattern during exercise in normal subjects and in eucapnic patients with chronic airflow obstruction. Van Meerhaeghe A, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):381–5

Respiratory depression following epidural morphine: a

clinical study. Sandler AN, et al. **Can Anaesth Soc J** 1986 Sep;33(5):542–9

Diphenylhydantoin and pulmonary function. Smith RJ, et al. **Can J Neurol Sci** 1979 Feb;6(1):21–5

Cardiopulmonary effects of xylazine and yohimbine in laterally recumbent sheep. Doherty TJ, et al. **Can J Vet Res** 1986 Oct;50(4):517–21

Effects of saffan on cardiopulmonary function in healthy cats. Dyson DH, et al. **Can J Vet Res** 1987 Apr;51(2):236–9

Perfluorochemical artificial blood as a volume expander in hypoxemic respiratory failure in dogs. Light RB, et al. **Chest** 1987 Mar;91(3):444–9

Effects of oral narcotics on sleep-disordered breathing in healthy adults. Robinson RW, et al. **Chest** 1987 Feb; 91(2):197–203

Respiratory compensation and acidosis in endotoxin shock: effects of naloxone in conscious rats. Law WR, et al. **Circ Shock** 1987;21(1):65–78

Cardiorespiratory alterations produced by centrally administered thyrotropin-releasing hormone during canine endotoxin shock. Leffew SD, et al. **Circ Shock** 1987; 21(3):225–32

Effect of inhaled histamine on occlusion pressure and breathing pattern in asthmatic patients. Scano G, et al. **Clin Allergy** 1987 May;17(3):169–80

The pharmacology of respiratory depressants and stimulants. Altose MD, et al. **Clin Chest Med** 1986 Sep;7(3):481–94 (103 ref.)

Respiratory and cardiovascular effects of central and peripheral intravenous injections of capsaicin in man: evidence for pulmonary chemosensitivity. Winning AJ, et al. **Clin Sci** 1986 Nov;71(5):519–26

Some cardiovascular and respiratory effects of alfentanil in animals. Atef M, et al. **DTW** 1987 Jun 9;94(6):333–6

Effects of propranolol on cardiopulmonary function in the pony during submaximal exercise. Sexton WL, et al. **Equine Vet J** 1986 Nov;18(6):485–9

Ventilation effects of nitrous oxide during continuous infusion of fentanyl or alfentanil [letter] Kay B, et al. **Eur J Anaesthesiol** 1986 Jan;3(1):86–7

Respiratory drive and timing before and during CO2 inhalation in infants anaesthetized with halothane. Lindahl SG, et al. **Eur J Anaesthesiol** 1986 Nov;3(6):427–37

Ventilatory changes during nitrous oxide isoflurane anaesthesia in children. Murat I, et al. **Eur J Anaesthesiol** 1986 Sep;3(5):403–11

Ventilatory effects of inhaled capsaicin in man. Maxwell DL, et al. **Eur J Clin Pharmacol** 1987;31(6):715–7

Effects of naloxone on apnoea duration during sleep in infants at risk for SIDS. Haidmayer R, et al. **Eur J Pediatr** 1986 Oct;145(5):357–60

Effects of almitrine bismesylate 100 mg daily for four weeks on respiratory regulation in patients with chronic bronchitis. Stanley NN. **Eur J Respir Dis [Suppl]** 1986; 146:635–9

Sulfuric acid–induced airway hyperresponsiveness. Gearhart JM, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):681–9

Effect of antepartum ritodrine on the cardiorespiratory status of the newborn after elective cesarean section. Aarimaa T, et al. **Gynecol Obstet Invest** 1987;23(3):160–6

Meptazinol overdose producing near fatal respiratory depression. Davison AG, et al. **Hum Toxicol** 1987 Jul; 6(4):331

Low ceiling respiratory depression by ciramadol. Romagnoli A, et al. **Int J Clin Pharmacol Res** 1986;6(6):451–5

Respiratory responses to pirenzepine in healthy subjects. Cazzola M, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Feb;25(2):105–9

Effects of histamine and reproterol inhalation on mouth occlusion pressure in patients with bronchial asthma. Scano G, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep; 24(9):490–5

Respiratory responses of exercising asthmatic volunteers exposed to sulfuric acid aerosol. Linn WS, et al. **J Air Pollut Control Assoc** 1986 Dec;36(12):1323–8

Effect of dopamine on transient ventilatory response to exercise. Boetger CL, et al. **J Appl Physiol** 1986 Dec; 61(6):2102–7

Canine bronchoconstriction, gas trapping, and hypoxia with methacholine. Breen PH, et al. **J Appl Physiol** 1987 Jul; 63(1):262–9

Effect of substance P on cardiovascular and respiratory function in subjects. Fuller RW, et al. **J Appl Physiol** 1987 Apr;62(4):1473–9

Effects of naloxone on breathing movements during hypercapnia in the fetal lamb. Joseph SA, et al. **J Appl Physiol** 1987 Feb;62(2):673–8

Beta-blockade reduces tidal volume during heavy exercise in trained and untrained men. Joyner MJ, et al. **J Appl Physiol** 1987 May;62(5):1819–25

Effect of beta-endorphin on fetal breathing movements in sheep. McMillen IC, et al. **J Appl Physiol** 1986 Sep; 61(3):1005–11

Effects of adenosine on ventilatory responses to hypoxia and hypercapnia in humans. Maxwell DL, et al. **J Appl Physiol** 1986 Nov;61(5):1762–6

Effects of prostaglandins on fetal breathing do not involve peripheral chemoreceptors. Murai DT, et al. **J Appl Physiol** 1987 Jan;62(1):271–7

Diethyl pyrocarbonate (an imidazole binding substance) inhibits rostral VLM CO2 sensitivity. Nattie EE. **J Appl Physiol** 1986 Sep;61(3):843–50

Almitrine bismesylate and the central and peripheral ventilatory response to CO2. Olievier CN, et al. **J Appl Physiol** 1987 Jul;63(1):66–74

Effect of a dopamine antagonist on ventilation during sustained hypoxia in mice. Olson LG, et al. **J Appl Physiol** 1987 Mar;62(3):1222–6

Cardiorespiratory changes during HCl infusion unrelated to decreases in circulating blood pH. Orr JA, et al. **J Appl Physiol** 1987 Jun;62(6):2362–70

Effect of ozone on breathing in dogs: vagal and nonvagal mechanisms. Sasaki K, et al. **J Appl Physiol** 1987 Jan; 62(1):15–26

Rapid shallow breathing evoked by capsaicin from isolated pulmonary circulation. Schertel ER, et al. **J Appl Physiol** 1986 Sep;61(3):1237–40

Ventilatory response during CO2 inhalation after airway anesthesia with lidocaine. Sullivan TY, et al. **J Appl Physiol** 1986 Dec;61(6):2230–7

Respiratory effects of an adenosine analogue [letter] Watt AH, et al. **J Appl Physiol** 1987 Apr;62(4):1759–60

Comparative evaluation of lung functional changes with atropine methonitrate and salbutamol in plain and sustained forms. Patel MH, et al. **J Assoc Physicians India** 1986 Oct; 34(10):717–8

Respiratory tolerance of bisoprolol and metoprolol in asthmatic patients. Lammers JW, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 11:S69–73

Cardiorespiratory effects of protamine sulphate in man: intra-aortic vs intra-right atrial rapid administration after cardiopulmonary bypass. Procaccini B, et al. **J Cardiovasc Surg (Torino)** 1987 Mar-Apr;28(2):112–9

Human corticotropin-releasing hormone in man: dose-response of minute ventilation and end-tidal partial pressures of carbon dioxide and oxygen. Oppermann D, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):292–6

Respiratory depression in goats by stable xenon: implications for CT studies. Winkler SS, et al. **J Comput Assist Tomogr** 1987 May-Jun;11(3):496–8

The central effects of morphine on fetal breathing movements in the fetal sheep. Bennet L, et al. **J Dev Physiol** 1986 Aug;8(4):297–305

Respiratory responses in the lower respiratory tract of Sprague-Dawley rats to formaldehyde inhalation. Dallas CE, et al. **J Environ Pathol Toxicol Oncol** 1986 May-Aug; 6(5–6):1–11

Central nervous system glucose utilization rate during oxygen-induced respiratory changes at 2 atmospheres oxygen in the rat. Torbati D. **J Neurol Sci** 1986 Dec; 76(2–3):231–7

Effects of metaproterenol on pulmonary mechanics, oxygenation, and ventilation in infants with chronic lung disease. Cabal LA, et al. **J Pediatr** 1987 Jan;110(1):116–9

Comparative evaluation of morphine, pentazocine and ciramadol in postaddicts. Preston KL, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):900–10

Activation of cholinergic mechanisms in the medulla oblongata reverse intravenous opioid-induced respiratory depression. Willette RN, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):352–8

Effects of apomorphine and haloperidol in fetal lambs. Bamford OS, et al. **J Physiol (Lond)** 1986 Aug;377:37–47

Effects of caffeine on cardiorespiratory function and glucose metabolism during rest and graded exercise. Bond V, et al. **J Sports Med Phys Fitness** 1987 Mar;27(1):47–52

The effect of dextrose and amino acids on respiratory function and energy expenditure in morbidly obese patients following gastric bypass surgery. Abbott WC, et al. **J Surg Res** 1986 Sep;41(3):225–35

Effect of thyrotropin-releasing hormone injected into lateral ventricle on respiration and blood pressure in rabbits. Li ZY, et al. **J Tongji Med Univ** 1987;7(1):44–7

Cardiovascular and respiratory effects of the acaricide amitraz. Cullen LK, et al. **J Vet Pharmacol Ther** 1987 Jun; 10(2):134–43

Clinical, cardiovascular and respiratory effects of R8110 in premedicated dogs. van Dijk P, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):114–8

Doxapram on blunted respiratory chemosensitivity to hypoxia in hypoxemic, chronic obstructive pulmonary disease. Yoshikawa T, et al. **Jpn J Med** 1987 May; 26(2):194–202

Effects of labetalol on in vitro preparations of the trachea and lung strips and on ventilation overflow in vivo in guinea pigs. Kameda H. **Jpn J Pharmacol** 1987 Mar; 43(3):291–9

Effect of chlormadinone acetate, a synthetic progesterone, on hypoxic ventilatory response in men. Okita S, et al. **Jpn J Physiol** 1987;37(1):137–47

Effect of airway anaesthesia on the ventilatory and heart rate responses to isocapnic progressive hypoxia. Tanaka Y, et al. **Jpn J Physiol** 1986;36(6):1193–202

Difference in the effects of acetazolamide and ammonium chloride acidosis on ventilatory responses to CO2 and hypoxia in humans. Tojima H, et al. **Jpn J Physiol** 1986; 36(3):511–21

The effect of neuroleptanalgesia on some cardiorespiratory variables in the rabbit. Guerreiro D, et al. **Lab Anim** 1987 Jul;21(3):205–9

Some physiological observations on ketamine hydrochloride anaesthesia in the agamid lizard. Ogunranti JO. **Lab Anim** 1987 Jul;21(3):183–7

Cardiovascular effects of delta 9- and delta 9(11)-tetrahydrocannabinol and their interaction with epinephrine. Estrada U, et al. **Life Sci** 1987 Jul 6;41(1):79–87

Naloxone accelerates the rate of ventilatory acclimatization to hypoxia in awake rats. Olson EB Jr. **Life Sci** 1987 Jul 13;41(2):161–7

Comparison of respiratory effects of intravenous adenosine in neonatal and adult rabbits. Watt AH, et al. **Life Sci** 1986 Nov 3;39(18):1617–22

Effect of aminophylline on the respiratory depressant action of intravenous adenosine in neonatal rabbits. Watt AH, et al. **Life Sci** 1987 Jan 5;40(1):29–34

Bronchoconstriction and apnea induced by cigarette smoke: nicotine dose dependence. Beck ER, et al. **Lung** 1986; 164(5):293–301

Variable response to inhaled salbutamol of different lung function parameters in healthy children. Riedel F, et al. **Lung** 1986;164(6):333–8

Lack of cardiovascular or ventilatory effects of melatonin in rats. Ekholm S, et al. **Med Biol** 1986;64(4):215–9

Effect of fazadinium on respiratory functions and its correlation with neuromuscular transmission in children. Esener Z. **Middle East J Anesthesiol** 1987 Feb;9(1):97–107

Ventilatory effects of adenosine mediated by carotid body chemoreceptors in the rat. Monteiro EC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):143–8

Buprenorphine vs. morphine via the epidural route: a controlled comparative clinical study of respiratory effects and analgesic activity. Pasqualucci V, et al. **Pain** 1987 Jun; 29(3):273–86

Aminophylline reduces hypoxic ventilatory depression without increasing catecholamines. Bruce RD, et al. **Pediatr Pulmonol** 1986 Jul-Aug;2(4):218–24

Effects of adenosine and xanthine derivatives on breathing during acute hypoxia in the anesthetized newborn piglet. Darnall RA, et al. **Pediatr Pulmonol** 1987 Mar-Apr; 3(2):110–6

Effect of racemic epinephrine on ventilatory function in the neonate postextubation. Courtney SE, et al. **Pediatr Res** 1987 Apr;21(4):381–5

Effect of salbutamol on respiratory mechanics in bronchiolitis. Hughes DM, et al. **Pediatr Res** 1987 Jul; 22(1):83–6

Effect of exogenous dopamine on the hypercapnic ventilatory response in cats during normoxia. Berkenbosch A, et al. **Pflugers Arch** 1986 Nov;407(5):504–9

The influence of vagotomy on the respiratory effects of injected phenyl diguanide in anaesthetized rabbits. Davies A, et al. **Q J Exp Physiol** 1986 Oct;71(4):649–56

R 8110, a new short-acting hypnotic in dogs. van Dijk P, et al. **Res Vet Sci** 1987 Mar;42(2):200–3

The effects of doxapram on breathing, heart rate and blood pressure in fetal lambs. Bamford OS, et al. **Respir Physiol** 1986 Dec;66(3):387–96

Effect of parasympathetic blockade on ventilatory and cardiac depression induced by opioids. Haddad GG, et al. **Respir Physiol** 1987 Jan;67(1):101–14

Domperidone-induced potentiation of ventilatory responses in awake goats. Kressin NA, et al. **Respir Physiol** 1986 Aug;65(2):169–80

Ventilatory responses of the rat to mild hypercapnic stimulation before and after almitrine bismesylate. Lagneaux D. **Respir Physiol** 1986 Sep;65(3):379–88

Effect of sleep loss on beta-endorphin activity, epinephrine levels, and ventilatory responsiveness. Phillips B, et al. **South Med J** 1987 Jan;80(1):16–20

The influence of clenbuterol on prostaglandin F2 alpha-induced dyspnoea in calves. Nuytten J, et al. **Vet Res Commun** 1986 Nov;10(6):453–61

The effect of clenbuterol on lung function parameters in calves suffering from bronchopneumonia. Nuytten J, et al. **Vet Res Commun** 1986 Nov;10(6):463–7

[Effect of GABA applied to the ventral surface of medulla oblongata on respiratory function] Fu XW, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):289–92 (Eng. Abstr.) (Chi)

[Analgesic activity and respiratory inhibition of 3-beta-phenylethyl)-9 beta-methoxy-9 alpha-(m-hydroxyphenyl)-3-azabicyclo [3,3,1]-nonane (P-7521) in rabbits] Zhou J, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):10–3 (Eng. Abstr.) (Chi)

[Effects of potent analgesics, ohmefentanyl and mefentanyl, on respiration and electroencephalogram in rabbits] Zhou J, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):100–3 (Eng. Abstr.) (Chi)

[Clinical study of low-flow anesthesia with isoflurane. II. Respiratory effects of isoflurane in low-flow anesthesia and interaction of isoflurane and muscle relaxants] Chau SW, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):2–13 (Eng. Abstr.) (Chi)

[Role of the ventral medullary area of rabbits in the inhibitory mechanism of morphine on respiration] Gong QL, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):627–34 (Eng. Abstr.) (Chi)

[Excitatory effect of methylphenidate on respiration inhibited by sodium pentobarbital and its mechanism in rabbits] Shen FS, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):76–83 (Eng. Abstr.) (Chi)

[Respiratory depression following microinjection or intrathecal injection of flurazepam in rabbits] Xu NS, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):422–9 (Eng. Abstr.)

(Chi)
[Mechanism of respiratory inhibition induced by Na-citrate injection into the carotid sinus area in rabbits] Zhang FT, et al. **Sheng Li Hsueh Pao** 1986 Oct;38(5):529–34 (Eng. Abstr.) (Chi)
[The respiratory depressant effects of morphine and nicomorphine. A comparative clinical study] Oberg B, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):286–8 (Eng. Abstr.) (Dan)
[Suppression of the ventilatory response to exercise during long-term treatment with beta-blockers] Kentala E, et al. **Duodecim** 1986;102(19):1390–4 (Fin)
[Respiratory effects of propofol] Duvaldestin P. **Ann Fr Anesth Reanim** 1987;6(4):226–7 (Eng. Abstr.) (Fre)
[Optimization of the method of progressive hypercapnia by determination of the sensitivity threshold] Mercier J, et al. **C R Soc Biol (Paris)** 1986;180(5):574–9 (Eng. Abstr.) (Fre)
[Can respiratory tolerance to beta-blockers be predicted?] Guérin JM, et al. **Presse Med** 1986 Nov 29;15(42):2109–12 (Eng. Abstr.) (Fre)
[Pharmacologic effects and kinetics of methylmethacrylate monomers] Wenda K, et al. **Aktuel Probl Chir Orthop** 1987; 31:83–6 (Ger)
[Nalbuphine after enflurane or fentanyl—effect on circulation and respiration] Schaer H, et al. **Anaesthesist** 1986 Aug; 35(8):478–84 (Eng. Abstr.) (Ger)
[Minidose naloxone reverses respiratory depression, but not analgesia, at the end of narcotic-supplemented anesthesia] Pizov R, et al. **Harefuah** 1987 Jan 15;112(2):68–70 (Eng. Abstr.) (Heb)
[The effect of the Ca2+ antagonist diltiazem on the respiratory function in chronic obstructive lung diseases] Zsamboki G, et al. **Orv Hetil** 1986 Aug 17;127(33):2003–4, 2007–8 (Eng. Abstr.) (Hun)
[General pharmacological studies on isepamicin sulfate (HAPA-B)] Shibata K, et al. **Jpn J Antibiot** 1987 Jan; 40(1):145–69 (Eng. Abstr.) (Jpn)
[The effect of bronchodilator on ventilatory response during CO2 rebreathing in patients with asthma] Seki M, et al. **Kokyu To Junkan** 1987 Apr;35(4):423–30 (Eng. Abstr.) (Jpn)
[Effects of the peripheral chemoreceptor denervation and increasing depths of halothane anesthesia on hypoxic respiratory depression] Kohchi T, et al. **Masui** 1986 Nov; 35(11):1680–4 (Eng. Abstr.) (Jpn)
[Effects of epidural morphine on postoperative pain relief and respiratory function] Endo M. **Nippon Ika Daigaku Zasshi** 1986 Dec;53(6):609–12 (Jpn)
[Pulmonary function in children with lymphoblastic leukemia during remission] Milanowski A, et al. **Pneumonol Pol** 1986 Dec;54(12):541–5 (Eng. Abstr.) (Pol)
[Effect of intravenous hydrocortisone and intramuscular ACTH on spirometric indicators in patients with partially reversible bronchial stenosis] Müller J, et al. **Pneumonol Pol** 1987 Jan;55(1):26–33 (Eng. Abstr.) (Pol)
[Effect of various beta-adrenolytic drugs on respiratory function in patients with primary arterial hypertension] Grebska E, et al. **Pol Tyg Lek** 1986 Dec 1;41(48):1512–5 (Eng. Abstr.) (Pol)
[Characteristics of circulation, ventilation and gas exchange in intact and anesthetized dogs] Danilov LN, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1410–4 (Eng. Abstr.) (Rus)
[Method for studying the function of the olfactory analyzer in white rats using the respiratory reflex] Kostrodymov NN, et al. **Gig Sanit** 1986 Jul;(7):50–2 (Rus)
[Various indicators of respiratory function, the blood and immunity in workers handling isocyanates] Plastinina RA, et al. **Gig Tr Prof Zabol** 1986 Dec;(12):16–20 (Eng. Abstr.) (Rus)
[Use of gas mixtures with a high oxygen and CO2 content for normalizing external respiratory function and the blood acid–base state in muscle fatigue] Agadzhanian NA, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):32–7 (Eng. Abstr.) (Rus)
[Efficacy of captopril in the treatment of patients with severe forms of chronic heart failure] Irani RM. **Ter Arkh** 1986; 58(11):55–8 (Eng. Abstr.) (Rus)
[Effect of peripheral vasodilators on pulmonary respiratory function and the indices of bicycle spiroergometry in heart failure patients] Ordian MM, et al. **Ter Arkh** 1987; 59(5):56–60 (Eng. Abstr.) (Rus)
[Corrective effect of nitrates and calcium antagonists on hemodynamics and ventilation in chronic bronchitis patients with a syndrome of pulmonary hypertension] Sil'vestrov VP, et al. **Ter Arkh** 1987;59(3):100–5 (Rus)

RADIATION EFFECTS

[External respiratory function based on capnographic data during radon bath treatment of patients with exogenous-constitutional obesity] Amirov RZ, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):55–7 (Eng. Abstr.) (Rus)

RESPIRATION, ARTIFICIAL

Design of an automated system for assessing metabolic function in mechanically ventilated patients. Bairiot M, et al. **Acta Anaesthesiol Belg** 1987;38(1):45–50
Relationship between frequency of ventilation, airways and pulmonary artery pressures, cardiac output and tracheal tube deadspace. Chakrabarti MK, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):678–84
Thoracic and abdominal lymph drainage in relation to mechanical ventilation and PEEP. Frostell C, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):405–12
Lung mechanics with relation to pulmonary haemodynamics, gas exchange and extravascular lung water in mechanically ventilated endotoxaemic pigs. Forsgren P, et al. **Acta Chir Scand** 1986 Oct;152:561–8
Comments on nonoperative treatment of severe brain injuries. Importance of controlled ventilation and hyperventilation. Gordon E. **Acta Neurochir [Suppl] (Wien)** 1986;36:146
Cerebral blood flow, PaCO2 changes, and visual evoked potentials in mechanically ventilated, preterm infants. Greisen G, et al. **Acta Paediatr Scand** 1987 May; 76(3):394–400
Disappointing follow-up findings for indigent high-risk newborns. Lasky RE, et al. **Am J Dis Child** 1987 Jan; 141(1):100–5
Rapid mechanical ventilation effects on tracheal airway pressure, lung volume, and blood gases of rabbits. Gonzalez F, et al. **Am J Perinatol** 1986 Oct;3(4):347–51
NIH workshop summary. Withholding and withdrawing mechanical ventilation. **Am Rev Respir Dis** 1986 Dec; 134(6):1327–30
Improvement in ventilation–perfusion relationships by almitrine in patients with chronic obstructive pulmonary disease during mechanical ventilation. Castaing Y, et al. **Am Rev Respir Dis** 1986 Nov;134(5):910–6
Production of a growth factor(s) by fibroblasts from the lungs of ventilated premature baboons and oxygen-exposed adult hamsters. Jones MB, et al. **Am Rev Respir Dis** 1987 May; 135(5):997–1001
The inspiratory workload of patient-initiated mechanical ventilation. Marini JJ, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):902–9
Is weaning an art or a science? [editorial] Milic-Emili J. **Am Rev Respir Dis** 1986 Dec;134(6):1107–8
Mechanical ventilation and intrapulmonary shunt in pneumonia patients [letter] Raimondi GA, et al. **Am Rev Respir Dis** 1986 Oct;134(4):843–4
Airway occlusion pressure. An important indicator for successful weaning in patients with chronic obstructive pulmonary disease. Sassoon CS, et al. **Am Rev Respir Dis** 1987 Jan;135(1):107–13
The pattern of breathing during successful and unsuccessful trials of weaning from mechanical ventilation. Tobin MJ, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1111–8
Ventilation and the oculocardiac reflex [letter] Blanc VF. **Anaesthesia** 1987 Mar;42(3):324–6
High frequency jet ventilation in fat embolism syndrome. Lee A, et al. **Anaesthesia** 1986 Nov;41(11):1124–7
High frequency jet ventilation for bilateral bullectomy. McCarthy G, et al. **Anaesthesia** 1987 Apr;42(4):411–4
Single breath end-tidal PCO2 measurement during high frequency jet ventilation in critical care patients. Mason CJ. **Anaesthesia** 1986 Dec;41(12):1251–4
Anaesthesia for extracorporeal shock wave lithotripsy [letter] Seed RF, et al. **Anaesthesia** 1986 Nov;41(11):1154
Peak intratracheal pressure during controlled ventilation in infants and children. A computer study of the Servo 900C ventilator. Synnott A, et al. **Anaesthesia** 1987 Jul; 42(7):719–26
End-tidal PCO2 measurements sampled at the distal and proximal ends of the endotracheal tube in infants and children. Badgwell JM, et al. **Anesth Analg** 1987 Oct; 66(10):959–64
A case of difficult neonatal ventilation [letter] Jarvis AP, et al. **Anesth Analg** 1987 Feb;66(2):196
Capnogram artifact during high airway pressures caused by a water trap. van Genderingen HR, et al. **Anesth Analg** 1987 Feb;66(2):185–7
End-tidal PCO2 monitoring in infants and children ventilated with either a partial rebreathing or a non-rebreathing circuit. Badgwell JM, et al. **Anesthesiology** 1987 Mar; 66(3):405–10
Fire following use of electrocautery during emergency percutaneous transtracheal ventilation. Bowdle TA, et al. **Anesthesiology** 1987 May;66(5):697–8
An easily assembled device for transtracheal oxygenation [letter] Reich DL, et al. **Anesthesiology** 1987 Mar; 66(3):437–8
Time shift in ventilation-induced density fluctuation of arterial blood. Evans MV, et al. **Ann Biomed Eng** 1987; 15(1):1–17
Analysis of the gas exchange system dynamics during high-frequency ventilation. Ghazanshahi SD, et al. **Ann Biomed Eng** 1986;14(6):525–42
Tracheobronchial suction in ventilated neonates [letter] Morley C, et al. **Arch Dis Child** 1987 Jun;62(6):639
Effect of tracheobronchial suction on respiratory resistance in intubated preterm babies. Prendiville A, et al. **Arch Dis Child** 1986 Dec;61(12):1178–83
Outcome and function following prolonged mechanical ventilation. Spicher JE, et al. **Arch Intern Med** 1987 Mar; 147(3):421–5
Postdischarge outcomes for ventilator-dependent quadriplegics. Fuhrer MJ, et al. **Arch Phys Med Rehabil** 1987 Jun;68(6):353–6
The apparent mid zone pneumatocoele in the intensive care patient. Cameron DC. **Australas Radiol** 1986 Aug; 30(3):226–9
Deadspace during high frequency ventilation [letter] Fletcher R. **Br J Anaesth** 1986 Nov;58(11):1341–2
Inflation pressure, gastric insufflation and rapid sequence induction. Lawes EG, et al. **Br J Anaesth** 1987 Mar; 59(3):315–8
An acoustic model of the patient undergoing artificial ventilation. Lin ES, et al. **Br J Anaesth** 1987 Feb; 59(2):256–64
Excessive work of breathing during intermittent mandatory ventilation. Mecklenburgh JS, et al. **Br J Anaesth** 1986 Sep; 58(9):1048–54
Carbon dioxide clearance during high frequency jet ventilation. Effect of deadspace in a lung model. Mortimer AJ, et al. **Br J Anaesth** 1986 Dec;58(12):1404–13
Estimation of arterial PCO2 during high frequency jet ventilation. Studies in the dog. Mortimer AJ, et al. **Br J Anaesth** 1987 Feb;59(2):240–6
A ventilator for carbon dioxide laser bronchoscopy [letter] Vourc'h G, et al. **Br J Anaesth** 1987 May;59(5):663–4
Comparison of infusions of alfentanil or pethidine for sedation of ventilated patients on the ITU. Yate PM, et al. **Br J Anaesth** 1986 Oct;58(10):1091–9
Comparison of regional pulmonary perfusion in lobar pneumonia during high frequency and conventional mechanical ventilation in sheep. Girotti MJ, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):252–8
Stabilization of intracellular recordings in the cat spinal cord using high-frequency ventilation. Duffin J, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):756–9
New modes of ventilatory assistance [letter] Downs JB. **Chest** 1986 Oct;90(4):626–7
Home care for life-supported persons. Is a national approach the answer? Goldberg AI. **Chest** 1986 Nov;90(5):744–8
Circulating atrial natriuretic peptides during weaning from mechanical ventilation [letter] Inariba H, et al. **Chest** 1987 May;91(5):797–8
Prediction of successful ventilator weaning using airway occlusion pressure and hypercapnic challenge. Montgomery AB, et al. **Chest** 1987 Apr;91(4):496–9
Using pressure support in a rational way [letter] Perel A. **Chest** 1987 Jan;91(1):153–4
Diaphragmatic fatigue and breathing pattern during weaning from mechanical ventilation in COPD patients. Pourriat JL, et al. **Chest** 1986 Nov;90(5):703–7
Effect of mechanical ventilation on hepatic drug pharmacokinetics. Richard C, et al. **Chest** 1986 Dec; 90(6):837–41
The be-happy attitudes [letter] Vevaina J. **Chest** 1987 Jan; 91(1):150
Vest inflation without simultaneous ventilation during cardiac arrest in dogs: improved survival from prolonged cardiopulmonary resuscitation. Halperin HR, et al. **Circulation** 1986 Dec;74(6):1407–15
Rehabilitation and home care for ventilator-assisted individuals. Make BJ, et al. **Clin Chest Med** 1986 Dec; 7(4):679–91 (71 ref.)
A simple and accurate automated system for continuous long-term metabolic studies during artificial ventilation. Stam H, et al. **Clin Phys Physiol Meas** 1987 Aug;8(3):261–9
Weaning failure due to acute neuromuscular disease [letter] Bolton CF. **Crit Care Med** 1987 Feb;15(2):180–1
Pulmonary interstitial emphysema treated by high-frequency oscillatory ventilation. Clark RH, et al. **Crit Care Med** 1986 Nov;14(11):926–30
Airway pressure release ventilation: a new concept in ventilatory support [editorial] Downs JB, et al. **Crit Care Med** 1987 May;15(5):459–61
Correlation of the oxygen cost of breathing and length of weaning from mechanical ventilation. Harpin RP, et al. **Crit Care Med** 1987 Sep;15(9):807–12
Comparison of noninvasive measurements of carbon dioxide tension during withdrawal from mechanical ventilation. Healey CJ, et al. **Crit Care Med** 1987 Aug;15(8):764–8
Carbon dioxide production during mechanical ventilation. Henneberg S, et al. **Crit Care Med** 1987 Jan;15(1):8–13
Disuse atrophy in a ventilated patient with status asthmaticus receiving neuromuscular blockade. Kupfer Y, et al. **Crit Care Med** 1987 Aug;15(8):795–6
Mechanical ventilation with positive end-expiratory pressure decreases release of alpha-atrial natriuretic peptide. Leithner C, et al. **Crit Care Med** 1987 May;15(5):484–8
Oxygenation during ventilation by high-frequency oscillation in dogs with acute lung injury. Mansel JK, et al. **Crit Care Med** 1986 Nov;14(11):955–9
Effect of pressure support of spontaneous breathing during intermittent mandatory ventilation. Murphy DF, et al. **Crit Care Med** 1987 Jun;15(6):612–3
Central transmural venous pressure and plasma arginine vasopressin during negative pressure breathing in man. Norsk P, et al. **Eur J Appl Physiol** 1986;55(4):440–4
When should patients with COPD be ventilated? Muir JF, et al. **Eur J Respir Dis** 1987 Mar;70(3):135–9
Actuarial survival rate in 99 tracheostomized patients with chronic pulmonary insufficiency treated by pulmonary mechanical ventilation at home. Ordronneau J, et al. **Eur J Respir Dis [Suppl]** 1986;146:383–8
Colonization resistance: a guide to antibiotic policy in the ICU. van Griethuysen AJ, et al. **Infect Control** 1987 Jul; 8(7):269–70
ECMO revisited [editorial] Kolobow T, et al. **Int J Artif Organs** 1987 Jan;10(1):1–2

Non-invasive measurement of respiratory mechanics in ICU patients. Milic-Emili J, et al. **Int J Clin Monit Comput** 1987; 4(1):11-20

Cyclic modulation of thermal right ventricular ejection fraction during controlled mechanical ventilation [letter] Assmann R, et al. **Intensive Care Med** 1987;13(3):217-8

Artifacts in the assessment of metabolic gas exchange. Feenstra BW, et al. **Intensive Care Med** 1986;12(4):312-6

Comparison of high-frequency jet ventilation to conventional ventilation in adults with respiratory distress syndrome. Holzapfel L, et al. **Intensive Care Med** 1987;13(2):100-5

Improving oxygenation using the prone position [letter] Manara AR, et al. **Intensive Care Med** 1987;13(3):218-9

Prevention of colonization and respiratory infections in long-term ventilated patients by local antimicrobial prophylaxis. Unertl K, et al. **Intensive Care Med** 1987; 13(2):106-13

Respirator-dependent quadriplegics: problems during the weaning period. Lamid S, et al. **J Am Paraplegia Soc** 1985 Apr;8(2):33-7

CO2 elimination by high-frequency oscillation: effects of vagosympathetic stimulation. Drazen JM, et al. **J Appl Physiol** 1986 Nov;61(5):1836-42

Factors influencing mechanical performance of neonatal high-frequency ventilators. Fredberg JJ, et al. **J Appl Physiol** 1987 Jun;62(6):2485-90

High-frequency ventilation of ducks and geese. Hastings RH, et al. **J Appl Physiol** 1987 Jul;63(1):413-7

Pulmonary mechanics during rapid mechanical ventilation in rabbits with saline-lavaged lungs. Pérez Fontán JJ, et al. **J Appl Physiol** 1986 Oct;61(4):1431-7

Ventilation-perfusion inequality during constant-flow ventilation. Schumacker PT, et al. **J Appl Physiol** 1987 Mar;62(3):1255-63

Effects of mean airway pressure on gas transport during high-frequency ventilation in dogs. Yamada Y, et al. **J Appl Physiol** 1986 Nov;61(5):1896-902

Inspiratory-to-expiratory time ratio and alveolar ventilation during high-frequency ventilation in dogs. Yamada Y, et al. **J Appl Physiol** 1986 Nov;61(5):1903-7

Noninvasive monitoring of oxygenation during one-lung ventilation: a comparison of transcutaneous oxygen tension measurement and pulse oximetry. Viitanen A, et al. **J Clin Monit** 1987 Apr;3(2):90-5

End-tidal carbon dioxide as a measure of arterial carbon dioxide during intermittent mandatory ventilation. Weinger MB, et al. **J Clin Monit** 1987 Apr;3(2):73-9

The use of mini-tracheostomy and high frequency jet ventilation in the management of acute airway obstruction. Squires SJ, et al. **J Laryngol Otol** 1986 Oct; 100(10):1199-202

Proper hyperventilation technique for neuroanesthesia in Thai patients. Pausawasdi S, et al. **J Med Assoc Thai** 1986 Sep;69(9):474-9

Long-term mechanical ventilation in an acute care hospital: a positive approach. Dougherty RJ, et al. **J Okla State Med Assoc** 1986 Nov;79(11):843-6

The role of high-frequency ventilation in post-traumatic respiratory insufficiency. Hurst JM, et al. **J Trauma** 1987 Mar;27(3):236-42

Outcome of lung cancer patients requiring mechanical ventilation for pulmonary failure. Ewer MS, et al. **JAMA** 1986 Dec 26;256(24):3364-6

Predictors of successful weaning in ventilated patients [editorial] **Lancet** 1987 May 30;1(8544):1245-6

Low phosphate levels in ventilated patients [letter] Bushe C. **Lancet** 1987 Sep 5;2(8558):579

Predictors of successful weaning in ventilated patients [letter] Stoddart JC. **Lancet** 1987 Jun 20;1(8547):1440

A prospective evaluation of speaking tracheostomy tubes for ventilator dependent patients. Sparker AW, et al. **Laryngoscope** 1987 Jan;97(1):89-92

Respiratory system mechanics in ventilated patients: techniques and indications. Hubmayr RD, et al. **Mayo Clin Proc** 1987 May;62(5):358-68

Ventilator dependence [letter] Indihar FJ, et al. **Minn Med** 1987 Mar;70(3):163

Survival of corneal grafts from donors supported by mechanical ventilation. Seedor JA, et al. **Ophthalmology** 1987 Feb;94(2):101-8

Comparative study of electrophrenic nerve stimulation and mechanical ventilatory support in traumatic spinal cord injury. Carter RE, et al. **Paraplegia** 1987 Apr;25(2):86-91

The artificial ventilation of acute spinal cord damaged patients: a retrospective study of forty-four patients. Gardner BP, et al. **Paraplegia** 1986 Aug;24(4):208-20

Progressive resistive exercise in weaning high quadriplegics from the ventilator. Lerman RM, et al. **Paraplegia** 1987 Apr;25(2):130-5

Pediatric home mechanical ventilation. Schreiner MS, et al. **Pediatr Clin North Am** 1987 Feb;34(1):47-60

High frequency ventilation. Wetzel RC, et al. **Pediatr Clin North Am** 1987 Feb;34(1):15-38 (102 ref.)

Quantitative evaluation of neonatal lung expansion with automated image analysis. Rigaut JP, et al. **Pediatr Pathol** 1986;6(1):11-24

Clinical observations on mechanical ventilation for respiratory failure in bronchiolitis. Frankel LR, et al. **Pediatr Pulmonol** 1986 Sep-Oct;2(5):307-11

Exhalation time effects on arterial and venous blood oxygen content and arterial PCO2 during high frequency jet ventilation of surfactant-depleted cats. Johnston J, et al. **Pediatr Pulmonol** 1987 Jan-Feb;3(1):19-23

Normocarbic hyperventilation fails to induce pulmonary vasodilation. Lindenberg JA, et al. **Pediatr Pulmonol** 1986 Jul-Aug;2(4):194-7

The effects of negative pressure external high frequency oscillation on cerebral blood flow and cardiac output of the monkey. Barrington KJ, et al. **Pediatr Res** 1987 Feb; 21(2):166-9

Ventilatory management of infant baboons with hyaline membrane disease: the use of high frequency ventilation. Delemos RA, et al. **Pediatr Res** 1987 Jun;21(6):594-602

High frequency chest wall compression in cats with normal lungs. Eyal FG, et al. **Pediatr Res** 1987 Feb;21(2):183-7

Computerized ventilation [letter] Anbar RD. **Pediatrics** 1987 Feb;79(2):315-7

High-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study. Gaylord MS, et al. **Pediatrics** 1987 Jun;79(6):915-21

Prevention of ARDS and MOF by prophylactic mechanical ventilation and early fracture stabilisation. Goris RJ. **Prog Clin Biol Res** 1987;236B:163-73

Tracheal pressure and impedance as determinants of gas exchange during high frequency ventilation. Clarke JR, et al. **Respir Physiol** 1987 Apr;68(1):121-36

Continuous intravenous infusion of sodium thiopental for managing drug withdrawal syndromes. Cilip M, et al. **Resuscitation** 1986 Jul;13(4):243-8

The respiratory aspect of the treatment of brain injury associated with acute alcohol intoxication--results of an animal experiment. Pfenninger E, et al. **Resuscitation** 1987 Jun;15(2):125-33

Postoperative mechanical ventilation preventing the occurrence of pleural effusion after hepatectomy. Matsumata T, et al. **Surgery** 1987 Sep;102(3):493-7

Assisted ventilation in severe acute asthma. Higgins B, et al. **Thorax** 1986 Jun;41(6):464-7

High-frequency ventilation. Enderson BL, et al. **World J Surg** 1987 Apr;11(2):167-72 (23 ref.)

[Pressure changes in the pulmonary artery during general anesthesia and in different ventilation regimens in thoracic surgery] Iordanov I, et al. **Khirurgiia (Sofiia)** 1986; 39(3):10-6 **(Bul)**

[Modified jet ventilation anesthesia for fibrobronchoscopy in children] Tzeng JI, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Jun;24(2):142-5 (Eng. Abstr.) **(Chi)**

[Moistening of inspired air during respirator treatment. Comparison between the water-bath evaporator and hygroscopic moisture heat exchanger] Kirkegaard L, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):152-5 (Eng. Abstr.) **(Dan)**

[Continuous measurement of gas exchange during artificial ventilation] Viale JP, et al. **Ann Fr Anesth Reanim** 1986; 5(4):424-9 (Eng. Abstr.) **(Fre)**

[Assisted ventilation in infants with acute bronchiolitis] Floret D, et al. **Pediatrie** 1986 Apr-May;41(3):189-95 (Eng. Abstr.) **(Fre)**

[Improvement of diffuse pneumopathies by ventilation in prone position (letter)] Gaussorgues P, et al. **Presse Med** 1987 Jun 20;16(24):1200 **(Fre)**

[Continuous Midazolam infusion for sedation of respirator patients] Behne M, et al. **Anaesthesist** 1987 May; 36(5):228-32 (Eng. Abstr.) **(Ger)**

[The behavior of intracranial pressure under spontaneous respiration or artificial respiration in hemorrhagic shock during volume substitution] Pfenninger E, et al. **Anaesthesist** 1986 Aug;35(8):485-90 (Eng. Abstr.) **(Ger)**

[High frequency jet ventilation as a form of artificial respiration in thoracic and abdominal surgery. Clinical experiences] Kluge E, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):251-5 (Eng. Abstr.) **(Ger)**

[Effect of various types of artificial respiration on raised intracranial pressure, associated with acute alcoholic intoxication] Pfenninger E, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):318-23 (Eng. Abstr.) **(Ger)**

[Treatment of bronchopulmonary infections in patients during artificial respiration with imipenem/cilastatin] Unertl K, et al. **Immun Infekt** 1986 Nov;14(6):229-31 (Eng. Abstr.) **(Ger)**

[Experiences with a Pseudomonas immunoglobulin in artificially respirated patients with Pseudomonas pneumonia at a surgical intensive care unit] Böhm D. **Infection** 1987 Jan-Feb;15(1):73-5 (Eng. Abstr.) **(Ger)**

[Experiences with a Pseudomonas immunoglobulin in ventilated patients with Pseudomonas pneumonia in a surgical intensive care station] Böhm D. **Infection** 1987;15 Suppl 2:S64-6 (Eng. Abstr.) **(Ger)**

[Use of Pseudomonas immunoglobulin in artificially respirated patients at an interdisciplinary surgical intensive care unit] Class I, et al. **Infection** 1987 Jan-Feb;15(1):76-9 (Eng. Abstr.) **(Ger)**

[Use of pseudomonas immunoglobulin in ventilated patients at an interdisciplinary surgical intensive care station] Class I, et al. **Infection** 1987;15 Suppl 2:S67-70 (Eng. Abstr.) **(Ger)**

[Possibilities of respirator therapy and bronchial irrigation/bronchial lavage in status asthmaticus and acute severe asthma attack in childhood] Hein J, et al. **Kinderarztl Prax** 1987 Mar;55(3):107-13 (Eng. Abstr.) **(Ger)**

[Experience using transcutaneous pO2 measurement (tcpO2 measurement) during the transport of premature and newborn infants with artificial respiration] Genz T, et al. **Klin Padiatr** 1986 Nov-Dec;198(6):457-62 (Eng. Abstr.) **(Ger)**

[Noninvasive, continuous monitoring of artificial respiration in premature and newborn infants by the constant measurement of respiratory minute volume, oxygen consumption and carbon dioxide release] Leidig E, et al. **Klin Padiatr** 1986 Jul-Aug;198(4):321-5 (Eng. Abstr.) **(Ger)**

[The artificially respirated patient. 1. Hygienic problems] Lang VO. **Med Klin** 1987 May 8;82(10):360-6 **(Ger)**

[Artificial respiration of the patient. 2. Recommendations for solving hygiene problems] Lang VO. **Med Klin** 1987 May 15;82(11):405-13 **(Ger)**

[Pneumopericardium in hyaline membrane syndrome in premature infants] Rücker J. **Padiatr Padol** 1987;22(1):51-8 (Eng. Abstr.) **(Ger)**

[Roentgen findings in patients with long-term artificial respiration] Hoffmann W, et al. **Prax Klin Pneumol** 1986 Sep;40(9):378-84 (Eng. Abstr.) **(Ger)**

[Successful treatment of a most severe therapy-refractory status asthmaticus by extracorporeal CO2 elimination] Knoch M, et al. **Prax Klin Pneumol** 1987 May;41(5):187-90 (Eng. Abstr.) **(Ger)**

[Thoracic diaphanoscopy--a simple method of diagnosing pneumothorax] Müller J, et al. **Radiol Diagn (Berl)** 1987; 28(1):23-8 (Eng. Abstr.) **(Ger)**

[The gasless, "white" abdomen in neonatal intensive care] Preuss HJ, et al. **Radiol Diagn (Berl)** 1987;28(1):35-8 (Eng. Abstr.) **(Ger)**

[Quantitative prognosis of mortality in newborn infants treated with artificial respiration] Kachel W, et al. **Z Geburtshilfe Perinatol** 1987 Jan-Feb;191(1):34-9 (Eng. Abstr.) **(Ger)**

[Variations of the angiotensin converting enzyme in the serum of patients with ARDS during mechanical ventilation. Comparison with a control group] Federici L, et al. **Minerva Anestesiol** 1986 Aug-Sep;52(8-9):251-5 (Eng. Abstr.) **(Ita)**

[PaCO2 during mechanical ventilation with Bain circuit] Pegoraro M, et al. **Minerva Anestesiol** 1986 Jun-Jul; 52(6-7):189-92 (Eng. Abstr.) **(Ita)**

[Critical stages for the dystrophic patient. Role of the respirator] Oretaggio F, et al. **Minerva Pediatr** 1986 Aug 31;38(15-16):665-8 **(Ita)**

[Pulmonary hemorrhage in the neonate. Description of a clinical case] Silvestro L, et al. **Minerva Pediatr** 1987 Apr 15;39(7):271-3 (Eng. Abstr.) **(Ita)**

[Care of the newborn infant with respiratory distress syndrome using continuous negative pressure. 5 years' experience] Ronconi GF, et al. **Pediatr Med Chir** 1986 May-Jun;8(3):365-8 (Eng. Abstr.) **(Ita)**

[A model study of velocity profiles during high frequency ventilation] Fuke N. **Masui** 1986 Oct;35(10):1513-20 (Eng. Abstr.) **(Jpn)**

[Independent lung ventilation with unilateral high-frequency jet ventilation during pulmonary surgery] Ikeda K. **Masui** 1986 Dec;35(12):1850-8 (Eng. Abstr.) **(Jpn)**

[The effects of prostaglandin F2 alpha infusion into the pulmonary artery of the nonventilated lung on the venous admixture and pulmonary blood flow during one-lung ventilation in patients and dogs] Saitoh Y, et al. **Masui** 1987 Mar;36(3):349-55 (Eng. Abstr.) **(Jpn)**

[The oxygen cost of breathing in critically ill patients] Takii Y. **Masui** 1986 Dec;35(12):1836-49 (Eng. Abstr.) **(Jpn)**

[Effects of various weaning methods from mechanical ventilation on hemodynamics and arterial oxygenation after open heart surgery] Osaka S. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov; 34(11):1892-902 (Eng. Abstr.) **(Jpn)**

[Effect of artificial pulmonary ventilation by mask and tracheal intubation during induction anesthesia on cerebrospinal fluid pressure in neurosurgical patients] Stolkarts IZ. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):3-5 (Eng. Abstr.) **(Rus)**

[Gas exchange and hemodynamics during high-frequency ventilation during lung surgery] Zislin BD, et al. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):18-20 (Eng. Abstr.) **(Rus)**

[Outcome analysis of management of critically ill newborn infants with assisted ventilation] Yunes-Zárraga JL, et al. **Bol Med Hosp Infant Mex** 1987 Jun;44(6):337-43 (Eng. Abstr.) **(Spa)**

[Mechanical ventilation in a neonatology unit] Rodríguez MS, et al. **Rev Chil Pediatr** 1986 Jul-Aug;57(4):350-4 (Eng. Abstr.) **(Spa)**

[Myasthenia gravis. Anesthesia and resuscitation for thymectomy] Casas Vila JI, et al. **Rev Esp Anestesiol Reanim** 1986 Jul-Aug;33(4):247-52 (Eng. Abstr.) **(Spa)**

[Influence of increases in intrathoracic pressure on ocular tonus] Gómez Herreras JI, et al. **Rev Esp Anestesiol Reanim** 1986 Sep-Oct;33(5):345-8 (Eng. Abstr.) **(Spa)**

[Clinical applications of blood gas analysis] Oyarzún M. **Rev Med Chil** 1986 May;114(5):493-8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pulmonary perfusion in HFV: a potential hazard? Kalenda

Z, et al. **Acta Anaesthesiol Belg** 1986;37(3):155–63
Low-dose ketamine infusion for analgesia during postoperative ventilator treatment. Joachimsson PO, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):697–702
Cytogenetic studies on peripheral blood cultures of neonates treated in an intensive unit. Dobos M, et al. **Acta Paediatr Hung** 1986;27(3):267–73
Konno-Mead analysis of ribcage–abdominal motion during successful and unsuccessful trials of weaning from mechanical ventilation. Tobin MJ, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1320–8
Bronchial obstruction and hypoxia during one–lung ventilation. Maguire DP, et al. **Anesthesiology** 1987 Jun; 66(6):830–1
The effect of high frequency oscillatory ventilation on pulmonary stretch receptors in the dog. Rewa G, et al. **Clin Invest Med** 1986;9(3):167–75
Augmented minute ventilation complication [letter] Bagley PH, et al. **Crit Care Med** 1987 Jul;15(7):710–1
Eye infections caused by respiratory pathogens in mechanically ventilated patients. Ommeslag D, et al. **Crit Care Med** 1987 Jan;15(1):80–1
Preventing lower airway colonization and infection in mechanically ventilated patients. van Uffelen R, et al. **Crit Care Med** 1987 Feb;15(2):99–102
Anesthetic and ventilator mishaps: prevention and detection [editorial] Weingarten M. **Crit Care Med** 1986 Dec; 14(12):1084–6
The effects of preterm delivery and mechanical ventilation on human lung growth. Hislop AA, et al. **Early Hum Dev** 1987 May;15(3):147–64
Scanning electron microscopy of epithelial lesions induced by artificial ventilation of the immature neonatal lung; the prophylactic effect of surfactant replacement. Grossmann G, et al. **Eur J Pediatr** 1986 Oct;145(5):361–7
Tracheotomy tube failure. Williams MA. **Int J Pediatr Otorhinolaryngol** 1987 Jun;13(1):57–60
Technical and psychological complications of high–frequency jet ventilation. Berré J, et al. **Intensive Care Med** 1987;13(2):96–9
Life threatening complication of high–frequency jet ventilation. Noble D, et al. **Intensive Care Med** 1987; 13(2):138–9
Dangers of high–frequency ventilation in hyaline membrane disease [editorial] Robotham JL, et al. **Intensive Care Med** 1987;13(2):85–6
Effect of granulocyte depletion in a ventilated surfactant–depleted lung. Kawano T, et al. **J Appl Physiol** 1987 Jan;62(1):27–33
Prevention of oxygen toxicity with superoxide dismutase and catalase in premature lambs. Walther FJ, et al. **J Free Radic Biol Med** 1986;2(4):289–93
Reduction of platelet counts induced by mechanical ventilation in newborn infants. Ballin A, et al. **J Pediatr** 1987 Sep;111(3):445–9
Tracheal and bronchial injury in high–frequency oscillatory ventilation compared with conventional positive pressure ventilation. Clark RH, et al. **J Pediatr** 1987 Jul;111(1):114–8
A potential hazard of ventilation during early separation from total cardiopulmonary bypass [letter] Foster AH, et al. **J Thorac Cardiovasc Surg** 1987 Jan;93(1):150–1
Wind of change in the airway [letter] Gilston A. **Lancet** 1987 Sep 19;2(8560):687–8
Combination of saline instillation with artificial ventilation damages bronchial surfactant [letter] Lachmann B. **Lancet** 1987 Jun 13;1(8546):1375
Necrotizing tracheobronchitis: a newly recognized cause of acute obstruction in mechanically ventilated neonates. Wilson KS, et al. **Laryngoscope** 1987 Sep;97(9):1017–9
Prolonged mechanical ventilation and intracranial hemorrhage: impact on developmental progress through 18 months in infants weighing 1,200 grams or less at birth. Bozynski ME, et al. **Pediatrics** 1987 May;79(5):670–6
Necrotizing tracheobronchitis [letter] Kirpalani H, et al. **Pediatrics** 1986 Dec;78(6):1167–8
High–frequency ventilation and tracheal injuries [letter] Wiswell TE, et al. **Pediatrics** 1987 Jan;79(1):162–5
[Neonatal bilateral interstitial emphysema. Surgical treatment. Apropos of 1 case] Gallet S, et al. **Pediatrie** 1986 Dec;41(8):647–52 (Eng. Abstr.) **(Fre)**
[Acute colectasia in patients on artificial respiration. 10 cases] Richard C, et al. **Presse Med** 1986 Sep 20;15(30):1401–3 (Eng. Abstr.) **(Fre)**
[The effect of stress ulcer prevention on the incidence of pneumonia in artificial respiration] Daschner F, et al. **Anaesthesist** 1987 Jan;36(1):9–18 (Eng. Abstr.) **(Ger)**
[Late symptoms following long–term artificial respiration in patients of an internal medicine intensive care unit. Catamnestic study after 1 to 3 years] Schuster HP, et al. **Med Klin** 1986 Feb 14;81(3):87–91 (Eng. Abstr.) **(Ger)**
[Bronchopulmonary dysplasia after treatment with continuous negative pressure] Pesenti P, et al. **Pediatr Med Chir** 1986 May–Jun;8(3):369–71 (Eng. Abstr.) **(Ita)**

ECONOMICS

The long–term ventilator patient. A potentially disenfranchized medical population [editorial] Bone RC. **Chest** 1987 Aug;92(2):196–7
Long–term ventilator care. A Chicago problem and a national problem. Bone RC. **Chest** 1987 Sep;92(3):536–9
DRG payment for long–term ventilator patients. Implications and recommendations. Douglass PS, et al. **Chest** 1987 Mar; 91(3):413–7
Financial implications of prolonged ventilator care of Medicare patients under the prospective payment system. A multicenter study. Gracey DR, et al. **Chest** 1987 Mar; 91(3):424–7

INSTRUMENTATION

Evaluation of mask–bag ventilation in resuscitation of infants. Kanter RK. **Am J Dis Child** 1987 Jul;141(7):761–3
Non–rebreathing masks [letter] Curran D, et al. **Am J Emerg Med** 1987 Jul;5(4):350
An evaluation of fourteen oxygen analysers for use in patient breathing circuits. Ilsley AH, et al. **Anaesth Intensive Care** 1986 Nov;14(4):431–6
Oxygen reservoir for mouth–valve–mask resuscitation [letter] MacNeil A. **Anaesth Intensive Care** 1986 Nov;14(4):468
Oxygen analyser hazard [letter] Ross A. **Anaesth Intensive Care** 1986 Nov;14(4):466–7
Contamination control in long–term ventilation. A clinical study using a heat– and moisture–exchanging filter. Gallagher J, et al. **Anaesthesia** 1987 May;42(5):476–81
Inappropriate attachment of PEEP valve causing total obstruction of ventilation bag [letter] Arellano R, et al. **Anesth Analg** 1987 Oct;66(10):1050–1
Removal of endotracheal tube connectors [letter] Hayes SR, et al. **Anesth Analg** 1987 Oct;66(10):1059–60
Translaryngeal cannula ventilation: continuing misconceptions [letter] **Anesthesiology** 1987 Sep;67(3):445–7
A tracheal divider for differential lung ventilation in dogs [letter] Muneyuki M, et al. **Anesthesiology** 1987 Jun; 66(6):856–7
An assist device for selective reduction of the work of breathing. Poon CS, et al. **Biomed Sci Instrum** 1987; 23:161–7
Possible role of vacuum systems and compressed air generators in cross–infection in the ICU. A radioactive tracer study. Bjerring P, et al. **Br J Anaesth** 1987 May; 59(5):648–50
Fiberoptic bronchoscopy with general anesthesia using a transvector for ventilation. Lemer J, et al. **Chest** 1986 Oct; 90(4):613–4
Neonatal hygroscopic condenser humidifier. Gedeon A, et al. **Crit Care Med** 1987 Jan;15(1):51–4
Comparison of ventilators and tubing circuits [letter] Hagus CK, et al. **Crit Care Med** 1987 Jul;15(7):710
Bacteriologic evaluation of the Servo 150 hygroscopic condenser–humidifier [letter] Paluch BR. **Crit Care Med** 1986 Oct;14(10):914
Nonrebreathing valve competence. Smith J, et al. **Crit Care Med** 1987 Apr;15(4):328–30
Effects of a heat and moisture exchanger on carbon dioxide equilibrium during mechanical ventilation with the Bain circuit. Romano E, et al. **Eur J Anaesthesiol** 1987 May; 4(3):183–6
Bacterial colonization in humidifying cascade reservoirs after 24 and 48 hours of continuous mechanical ventilation. Goularte TA, et al. **Infect Control** 1987 May;8(5):200–3
Jet stylet catheter for airway management. Mandell–Brown MK, et al. **Laryngoscope** 1987 Sep;97(9):1104–5
Mouth–to–mask ventilation—which mask? [letter] Goucke R. **Med J Aust** 1986 Mar 3;144(5):279
Selective bronchial intubation for one–lung ventilation in children. Baraka A. **Middle East J Anesthesiol** 1987 Feb; 9(1):9–11
Permanent artificial respiration by diaphragm pacemaker in tetraplegic children. Garrido H, et al. **Paraplegia** 1986 Oct; 24(5):276–81
The pulse oximeter: a non–invasive monitor of oxygenation during thoracic surgery. Thys DM, et al. **Thorac Cardiovasc Surg** 1986 Dec;34(6):380–3
[Temperature–dependent monitoring of disconnection and obstruction in ventilation] Hamann J, et al. **Anaesthesiol Reanim** 1987;12(3):187–9 (Eng. Abstr.) **(Ger)**
[Experiences with catheter jet ventilation in interventions of the larynx and trachea] Hanf L, et al. **Anaesthesiol Reanim** 1987;12(3):151–7 (Eng. Abstr.) **(Ger)**
[Normofrequent jet ventilation for microlaryngoscopy and endolaryngeal microsurgery—introduction of a set of ventilating tubes and clinical experiences] Weber F, et al. **Anaesthesiol Reanim** 1987;12(3):145–50 (Eng. Abstr.) **(Ger)**
[Emergency ventilation using an Ambu–bag with a new coniotomy set] Langenstein H. **Anaesthesist** 1986 Nov; 35(11):697–9 (Eng. Abstr.) **(Ger)**
[Value and use of respirometers for monitoring in artificial ventilation] Goecke J, et al. **Biomed Tech (Berlin)** 1987 Jun; 32(6):137–50 (Eng. Abstr.) **(Ger)**
[Valve system for artificial ventilation of the lungs of laboratory animals] Sheikh–Zade IuR. **Fiziol Zh SSSR** 1987 Apr;73(4):550 **(Rus)**

METHODS

Effect of nitrogen on carbon dioxide elimination during continuous flow apneic ventilation in dogs. Babinski MF, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):357–60
Nocturnal ventilation—a new method [editorial] Braun NM. **Am Rev Respir Dis** 1987 Mar;135(3):523–4
Improved efficacy of spontaneous breathing with inspiratory pressure support. Brochard L, et al. **Am Rev Respir Dis** 1987 Aug;136(2):411–5
Effects of intermittent negative pressure ventilation on respiratory muscle function in patients with severe chronic obstructive pulmonary disease. Cropp A, et al. **Am Rev Respir Dis** 1987 May;135(5):1056–61
High frequency ventilation. Froese AB, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1363–74 (123 ref.)
Reversal of sleep–induced hypoventilation and chronic respiratory failure by nocturnal negative pressure ventilation in patients with restrictive ventilatory impairment. Goldstein RS, et al. **Am Rev Respir Dis** 1987 May;135(5):1049–55
Gas exchange during constant flow ventilation with different gases. Watson J, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):420–5
Oxygenation during electroconvulsive therapy. A comparison of two anaesthetic techniques. Lew JK, et al. **Anaesthesia** 1986 Nov;41(11):1092–7
Failure of high frequency jet ventilation to ventilate patients adequately during extracorporeal shock–wave lithotripsy. Berger JJ, et al. **Anesth Analg** 1987 Mar;66(3):262–3
Comparison of high–frequency jet ventilation with conventional mechanical ventilation for bronchopleural fistula. Bishop MJ, et al. **Anesth Analg** 1987 Sep;66(9):833–8
Constant flow ventilation in anesthetized patients: efficacy and safety. Breen PH, et al. **Anesth Analg** 1986 Nov; 65(11):1161–9
Pulmonary dysfunction during one–lung ventilation caused by HLA–specific antibodies against leukocytes. De Wolf AM, et al. **Anesth Analg** 1987 May;66(5):463–7
High–frequency oscillatory ventilation in premature infants with respiratory failure: a preliminary report. Froese AB, et al. **Anesth Analg** 1987 Sep;66(9):814–24
High–frequency jet ventilation for resection of congenital lobar emphysema. Goto H, et al. **Anesth Analg** 1987 Jul; 66(7):684–6
Tidal volumes required to maintain isocapnia at frequencies from 3 to 30 Hz in the dog. Kolton M, et al. **Anesth Analg** 1987 Jun;66(6):523–8
Continuous–flow apneic ventilation during thoracotomy. Babinski MF, et al. **Anesthesiology** 1986 Oct;65(4):399–404
Sequential one–lung ventilation for bilateral bullectomy. Benumof JL. **Anesthesiology** 1987 Aug;67(2):268–72
Percutaneous transtracheal high–frequency jet ventilation as an aid to fiberoptic intubation. Boucek CD, et al. **Anesthesiology** 1987 Aug;67(2):247–9
Hemodynamic effects of high–frequency jet ventilation in patients with and without circulatory shock. Fusciardi J, et al. **Anesthesiology** 1986 Nov;65(5):485–91
Complications of intrahospital transport in critically ill patients. Braman SS, et al. **Ann Intern Med** 1987 Oct; 107(4):469–73
Intravenous anesthesia and jet ventilation for laser microlaryngeal surgery. Gussack GS, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):29–33
Management of difficult airway problems with percutaneous transtracheal ventilation. Weymuller EA Jr, et al. **Ann Otol Rhinol Laryngol** 1987 Jan–Feb;96(1 Pt 1):34–7
Ventilator settings for newborn infants. Ramsden CA, et al. **Arch Dis Child** 1987 May;62(5):529–38
Synchronous mechanical ventilation of the neonate. South M, et al. **Arch Dis Child** 1986 Dec;61(12):1190–5
Hemodynamic and ventilatory effects of high–frequency jet and conventional ventilation in piglets with lung lavage. Suguihara C, et al. **Biol Neonate** 1987;51(5):241–8
Air entrainment during high–frequency jet–ventilation. Simulation of a bronchoscopy with a lung model. Seigneur F, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug; 22(4):341–7
Percutaneous transtracheal ventilation for laser endoscopic procedures in infants and small children with laryngeal obstruction: report of two cases. Ravussin P, et al. **Can J Anaesth** 1987 Jan;34(1):83–6
Percutaneous transtracheal ventilation for laser endoscopic procedures in infants and small children [letter] Steward DJ. **Can J Anaesth** 1987 Jul;34(4):429–30
Inverse ratio ventilation. PEEP in disguise? [editorial] Duncan SR, et al. **Chest** 1987 Sep;92(3):390–2
Assisting ventilation in respiratory failure by negative pressure ventilation and by rocking bed. Goldstein RS, et al. **Chest** 1987 Sep;92(3):470–4
Ventricular assist by cardiac cycle–specific increases in intrathoracic pressure. Pinsky MR, et al. **Chest** 1987 May; 91(5):709–15
Conventional and high frequency controlled mechanical ventilation in patients with left ventricular dysfunction and pulmonary edema. Räsänen J. **Chest** 1987 Feb;91(2):225–9
Alternative methods of ventilation during respiratory and cardiac arrest. Melker RJ. **Circulation** 1986 Dec;74(6 Pt 2):IV63–5
Weaning from mechanical ventilation: successful use of modified inspiratory resistive training in muscular dystrophy. Aldrich TK, et al. **Crit Care Med** 1987 Mar; 15(3):247–9
Transcutaneous monitoring during high–frequency jet ventilation. Arai T, et al. **Crit Care Med** 1987 Sep; 15(9):882–3
Traumatic respiratory insufficiency: comparison of conventional mechanical ventilation to high–frequency positive pressure with low–rate ventilation. Barzilay E, et al. **Crit Care Med** 1987 Feb;15(2):118–21

Extracorporeal membrane oxygenation and high-frequency oscillatory ventilation: potential therapeutic relationships. Cornish JD, et al. **Crit Care Med** 1987 Sep;15(9):831–4

Comparison of blood gases of ventilated patients during transport. Gervais HW, et al. **Crit Care Med** 1987 Aug; 15(8):761–3

Comparison of high-frequency chest wall compression with conventional mechanical ventilation in cats. Hayek Z, et al. **Crit Care Med** 1987 Jul;15(7):676–81

Effect of high-frequency ventilation on extravascular lung water volume in dogs. Kudoh I, et al. **Crit Care Med** 1987 Mar;15(3):240–2

Jet ventilation in support of fiberoptic bronchoscopy. MacIntyre NR, et al. **Crit Care Med** 1987 Apr;15(4):303–7

Ventilation and pulmonary mechanics during high-frequency oscillation of immature lungs at birth. Mautone AJ, et al. **Crit Care Med** 1987 Mar;15(3):233–9

Pulmonary embolism: high-frequency jet ventilation offers advantages over conventional mechanical ventilation. Murray IP, et al. **Crit Care Med** 1987 Feb;15(2):114–7

Effect of combined high-frequency oscillatory ventilation on rabbit alveolar type-2 cells. Obara H, et al. **Crit Care Med** 1987 Jul;15(7):692–5

Newer ventilation modes—temptations and pitfalls [editorial] Perel A. **Crit Care Med** 1987 Jul;15(7):707–9

Effects of high-frequency jet ventilation on intracranial pressure and cerebral elastance in dogs. Rubio JJ, et al. **Crit Care Med** 1987 Jun;15(6):602–5

National survey of methods and criteria used for weaning from mechanical ventilation. Venus B, et al. **Crit Care Med** 1987 May;15(5):530–3

Ventilatory management in the critically ill. Otto CW. **Emerg Med Clin North Am** 1986 Nov;4(4):635–54 (26 ref.)

The use of high-frequency jet-ventilation in operative bronchoscopy. Schlenkhoff D, et al. **Endoscopy** 1986 Sep; 18(5):192–4

Differences in postsuctioning arterial blood oxygen concentration values using two postoxygenation methods. Pierce JB, et al. **Heart Lung** 1987 Jan;16(1):34–8

The use of bolus normal saline instillations in artificial airways: is it useful or necessary? [letter] Sievers AE, et al. **Heart Lung** 1987 May;16(3):342–3

Improvement in arterial oxygen control using multiple-model adaptive control procedures. Yu C, et al. **IEEE Trans Biomed Eng** 1987 Aug;34(8):567–74

Practical aspects of differential ventilation with selective peep in acute respiratory failure. Hedenstierna G, et al. **Int J Clin Monit Comput** 1984;1(1):5–11

The clinical application of synchronized independent lung ventilation (S.I.L.V.) in pulmonary disease with unilateral prevalence in pediatrics. Marraro G, et al. **Int J Clin Monit Comput** 1987;4(2):123–9

Closed-loop control of blood pressure, ventilation, and anesthesia delivery. Westenskow DR. **Int J Clin Monit Comput** 1987;4(2):69–74

High-frequency ventilation (HFV) in hyaline membrane disease—a preliminary report. Pfenninger J, et al. **Intensive Care Med** 1987;13(1):71–5

Post lobectomy atelectasis: the use of a Servo 900 B as a high-frequency ventilator. West KJ, et al. **Intensive Care Med** 1987;13(1):78–80

Ventilatory effectiveness of high-frequency oscillation applied to the body surface. Fuyuki T, et al. **J Appl Physiol** 1987 Jun;62(6):2410–5

Use of a random forcing for high-frequency ventilation. Ghazanshahi SD, et al. **J Appl Physiol** 1987 Mar; 62(3):1201–5

Catheter position and blood gases during constant-flow ventilation. Slutsky AS, et al. **J Appl Physiol** 1987 Feb; 62(2):513–9

Ventilation of a rat with a large-animal respirator. Wood JD, et al. **J Appl Physiol** 1986 Sep;61(3):1192–4

High frequency ventilation: current status. Roy TM, et al. **J Ky Med Assoc** 1986 Oct;84(10):555–7

Prolonged endotracheal intubation in neonates with hyaline membrane disease. Weir N, et al. **J Otolaryngol** 1986 Dec; 15(6):351–4

Randomized trial of high-frequency jet ventilation versus conventional ventilation in respiratory distress syndrome. Carlo WA, et al. **J Pediatr** 1987 Feb;110(2):275–82

Decreased gas flow through pneumothoraces in neonates receiving high-frequency jet versus conventional ventilation. Gonzalez F, et al. **J Pediatr** 1987 Mar; 110(3):464–6

Carbon dioxide elimination during high-frequency jet ventilation. Korvenranta H, et al. **J Pediatr** 1987 Jul; 111(1):107–13

Minitracheostomy: a new delivery system for jet ventilation. Matthews HR, et al. **J Thorac Cardiovasc Surg** 1986 Oct; 92(4):673–5

The role of high-frequency ventilation in post-traumatic respiratory insufficiency. Hurst JM, et al. **J Trauma** 1987 Mar;27(3):236–42

Liberation of the patient from mechanical ventilation. Hall JB, et al. **JAMA** 1987 Mar 27;257(12):1621–8 (88 ref.)

Comparison of six methods of emergency ventilation [letter] Seidelin PH, et al. **Lancet** 1986 Nov 29;2(8518):1274–5

Respiratory failure and mechanical ventilation: pathophysiology and methods of promoting weaning. Karpel JP, et al. **Lung** 1986;164(6):309–24

A comparison of proximal and distal high-frequency jet ventilation in an experimental animal model. Bandy KP, et al. **Pediatr Pulmonol** 1986 Jul-Aug;2(4):225–9

Effect of high-frequency jet ventilation on preterm and rabbit tracheal mechanics. Bhutani VK, et al. **Pediatr Pulmonol** 1986 Nov-Dec;2(6):327–31

Successful direct extubation of very low birth weight infants from low intermittent mandatory ventilation rate. Kim EH, et al. **Pediatrics** 1987 Sep;80(3):409–14

Intraregional gas mixing in humans during high frequency oscillations. Moffat SL, et al. **Respir Physiol** 1986 Oct; 66(1):95–107

Effect of alterations in frequency, inspiratory time, and airway pressure on gas exchange during high frequency jet ventilation in dogs with normal lungs. Calkins JM, et al. **Resuscitation** 1987 Jun;15(2):87–96

Differential lung ventilation: a review and 2 case reports. Lev A, et al. **Resuscitation** 1987 Jun;15(2):77–86

[Assessment of the effectiveness of respiration and hemodynamics in single-lung ventilation with adequate respiratory volume] Iordanov I, et al. **Khirurgiia (Sofiia)** 1986;39(3):1–6 **(Bul)**

[Benveniste's tube and jet respirator. A new method of ventilatory support and weaning from respirator therapy] Thomsen JK, et al. **Ugeskr Laeger** 1986 Oct 13; 148(42):2678–80 (Eng. Abstr.) **(Dan)**

[Hypoventilation test with pure oxygen after denitrogenation for the diagnosis of cerebral death. A preliminary study] Tondriaux A, et al. **Agressologie** 1986 Nov;27(11):929–31 (Eng. Abstr.) **(Fre)**

[High frequency jet-ventilation in esophagotracheal fistula] Butin E, et al. **Ann Fr Anesth Reanim** 1987;6(2):115–6 (Eng. Abstr.) **(Fre)**

[Use of high-frequency jet ventilation in vertical partial surgery of the larynx] Mourot F, et al. **Ann Fr Anesth Reanim** 1986;5(4):415–8 (Eng. Abstr.) **(Fre)**

[Synergistic effects of methylprednisolone and high-frequency jet ventilation on oleic acid-induced pulmonary edema] Kondo T, et al. **Kokyu To Junkan** 1986 Aug;34(8):883–9 (Eng. Abstr.) **(Jpn)**

[Differential ventilation and selective positive end-expiratory pressure] Takasaki M. **Kokyu To Junkan** 1986 Jun; 34(6):623–30 **(Jpn)**

[Experimental study of dual-mode independent lung ventilation with HFJV] Ariyoshi S. **Masui** 1986 Sep; 35(9):1369–73 (Eng. Abstr.) **(Jpn)**

[A comparison of two control methods for managing endtidal CO2 automatically under artificial ventilation] Yasumoto K, et al. **Masui** 1986 Oct;35(10):1521–7 (Eng. Abstr.) **(Jpn)**

[Effects on hemodynamics and ventilation of transvenous electrophrenic respiration in postoperative cardiac patients: experimental and clinical studies] Ishii K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jul;34(7):948–57 (Eng. Abstr.) **(Jpn)**

[A case of exacerbation of chronic pulmonary disease successfully treated by extracorporeal lung assist with a membrane lung] Otsu T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1131–4 (Eng. Abstr.) **(Jpn)**

[Cardiac ventriculography in dogs subjected to high frequency jet ventilation and intermittent positive pressure ventilation] Takaoka F, et al. **Rev Paul Med** 1986 Mar-Apr; 104(2):70–4 (Eng. Abstr.) **(Por)**

[Respiratory assistance by a low-frequency jet] Litarczek G, et al. **Rev Chir [Chir]** 1986 Jul-Aug;35(4):309–19 (Eng. Abstr.) **(Rum)**

[Effect of the respiratory rate on the tidal volume and ventilatory minute volume in high-frequency jet-controlled artificial pulmonary ventilation] Kassil' VL, et al. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):47–8 (Eng. Abstr.) **(Rus)**

[Comparative study of 3 types of artificial pulmonary ventilation during operations for aneurysm of the thoracic aorta] Kurochkin VM. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):50–2 (Eng. Abstr.) **(Rus)**

[Methodologic aspects of high-frequency artificial ventilation of the lungs] Molchanov IV, et al. **Anesteziol Reanimatol** 1987 Jan-Feb;(1):54–7 (Eng. Abstr.) **(Rus)**

[High-frequency artificial pulmonary ventilation during fiber bronchoscopy via a tracheostomy tube in patients with acute respiratory failure] Vikhrov EV. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):48–50 (Eng. Abstr.) **(Rus)**

[High-frequency injection ventilation in pulmonary surgery] Kurdiumov VA, et al. **Grudn Khir** 1987 May-Jun;(3):53–5 (Eng. Abstr.) **(Rus)**

[High-frequency artificial ventilation of the lungs] Dubikaitis AIu, et al. **Vestn Khir** 1987 Mar;138(3):137–40 (36 ref.) **(Rus)**

NURSING

Weaning from the ventilator: protocols that work. Nett LM, et al. **Am J Nurs** 1987 Sep;87(9):1173–7

Weaning from the ventilator: in specific clinical situations. Nett LM, et al. **Am J Nurs** 1987 Sep;87(9):1178–80

Weaning from the ventilator: weaning the unweabable. Nett LM, et al. **Am J Nurs** 1987 Sep;87(9):1181–4

Achieving self-care in the ventilator-dependent patient: a critical analysis of a case study. Storm DS, et al. **Int J Nurs Stud** 1987;24(2):95–106

Quality of care for life-supported children who require prolonged mechanical ventilation at home. Goldberg AI, et al. **QRB** 1987 Mar;13(3):81–8

PSYCHOLOGY

Weaning the anxious ventilator patient using hypnotic relaxation: case reports. Acosta F. **Am J Clin Hypn** 1987 Apr;29(4):272–80

The impact of life support technology upon psychosocial adaptation to the late effects of poliomyelitis. Locker D, et al. **Birth Defects** 1987;23(4):157–71

STANDARDS

[Contribution to safety testing of anesthetic ventilators] Ullrich C, et al. **Biomed Tech (Berlin)** 1987 Jun;32(6):150–5 (Eng. Abstr.) **(Ger)**

VETERINARY

Percutaneous transtracheal ventilation and morphometric measurements of cervical structures in swine. Hudson LC, et al. **Lab Anim Sci** 1986 Aug;36(4):420–4

Endotracheal intubation and manual ventilation of the rat. Tran DQ, et al. **Lab Anim Sci** 1986 Oct;36(5):540–1

Apneic oxygenation in anesthetized ponies and horses. Blaze CA, et al. **Vet Res Commun** 1987;11(3):281–91

RESPIRATION DISORDERS

American college of Chest Physicians. 53rd annual scientific assembly. October 26–30, 1987, Atlanta. Original investigations (abstracts). **Chest** 1987 Aug;92(2 Suppl):54S–155S

[French-language Society of Pneumology and the Tunisian Society of Pneumo-phthisiology. Tunis, 13–14 June 1986. Abstracts] **Rev Mal Respir** 1986;3(5):281–317 **(Fre)**

BLOOD

Increased blood viscosity and tachypnoea in infants of diabetic mothers. Violaris K, et al. **Arch Dis Child** 1986 Sep;61(9):910–2

CHEMICALLY INDUCED

Respiratory depression following postoperative analgesia with epidural morphine. Madsen JV, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):417–20

Respiratory symptoms associated with the use of azodicarbonamide foaming agent in a plastics injection molding facility. Whitehead LW, et al. **Am J Ind Med** 1987; 11(1):83–92

Adverse respiratory and cardiovascular events attributed to timolol ophthalmic solution, 1978–1985. Nelson WL, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):606–11

Adverse respiratory and cardiovascular events attributed to timolol ophthalmic solution, 1978–1985. Nelson WP. **Am J Ophthalmol** 1987 Jul 15;104(1):97–8

Adverse respiratory and cardiovascular events attributed to timolol ophthalmic solution, 1978–1985 [letter] Vogel R. **Am J Ophthalmol** 1987 Jun 15;103(6):844

Betaxolol and restrictive airway disease. Case report. Roholt PC. **Arch Ophthalmol** 1987 Sep;105(9):1172

Asbestos and airflow limitation. Mohsenifar Z, et al. **J Occup Med** 1986 Sep;28(9):817–20

[Environmental pollution by cadmium in a metallurgy plant] Ramirez AV. **Bol Of Sanit Panam** 1986 Nov;101(5):514–21 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Sleep-disordered breathing and its concomitants in a subclinical population. Berry DT, et al. **Sleep** 1986 Dec; 9(4):478–83

CONGENITAL

[Composition of alveolar air and the alveolo-arterial gradient of respiratory gases and its significance in evaluation pulmonary respiration in newborn infants which have developed in utero in normal and complicated conditions] Iaroslavskii VK. **Pediatriia** 1987;(1):107 **(Rus)**

DIAGNOSIS

Respiratory symptoms and bronchial reactivity [letter] Annesi I, et al. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1237–8

EEG monitoring during paroxysmal hyperpnea of tetralogy of Fallot: an epileptic or hypoxic phenomenon? Daniels SR, et al. **J Child Neurol** 1987 Apr;2(2):98–100

[CARA is no diagnosis? CARA therapy is made to measure! (letter)] van Dishoeck EA. **Ned Tijdschr Geneeskd** 1987 Feb 14;131(7):291–2 **(Dut)**

[Cheyne-Stokes respiration: subjective and objective evaluation] Betlejewski S. **Wiad Lek** 1987 Feb 15; 40(4):226–32 (Eng. Abstr.) **(Pol)**

[The Pulma-01 automated microprocessor system for testing external respiratory function] Georgiev G, et al. **Med Tekh** 1987 Mar-Apr;(2):18–22 (Eng. Abstr.) **(Rus)**

[Forensic medical evaluation of respiratory disorders and cardiovascular functions following strangulation of the neck] Iakupov RA. **Sud Med Ekspert** 1986 Oct-Dec; 29(4):25–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Respiratory dysfunction after potroom asthma. Wergeland E, et al. **Am J Ind Med** 1987;11(6):627–36

Respiratory dysfunction in patients with common variable hypogammaglobulinemia. Watts WJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):699–703

Postanesthetic apnea and periodic breathing in infants. Welborn LG, et al. **Anesthesiology** 1986 Dec;65(6):658–61

Respiratory changes after stereotactic high cervical cord lesions for pain. Lema JA, et al. **Appl Neurophysiol** 1986; 49(1–2):62–8

Breathing pattern abnormalities and arterial oxygen desaturation during sleep in the congestive heart failure syndrome. Improvement following medical therapy. Dark DS, et al. **Chest** 1987 Jun;91(6):833–6

Periodic breathing during exercise in severe heart failure. Reversal with milrinone or cardiac transplantation. Ribeiro JP, et al. **Chest** 1987 Sep;92(3):555–6

Prevalence and treatment of silent gastro-oesophageal reflux in children with recurrent respiratory disorders. Buts JP, et al. **Eur J Pediatr** 1986 Oct;145(5):396–400

Mortality related to smoking habits, respiratory symptoms and lung function. Olofson J, et al. **Eur J Respir Dis** 1987 Aug;71(2):69–76

Respiratory disorders during sleep. Bonsignore G, et al. **Eur J Respir Dis [Suppl]** 1986;146:459–76 (78 ref.)

Respiratory distress in man with prosthetic valve. Patel A, et al. **Hosp Pract [Off]** 1987 May 15;22(5):256–9

A double-blind randomized controlled trial of the effect of a low- versus a middle-tar cigarette on respiratory symptoms—a feasibility study. Peach H, et al. **IARC Sci Publ** 1986;(74):251–63

An outbreak of organic dust toxic syndrome in a college fraternity. Brinton WT, et al. **JAMA** 1987 Sep 4; 258(9):1210–2

Organic dust toxic syndrome: animal house fever? [editorial] Dan BB. **JAMA** 1987 Sep 4;258(9):1219

Ineffective breathing pattern related to malnutrition. Openbrier DR, et al. **Nurs Clin North Am** 1987 Mar; 22(1):225–47

Caution re Gills' transconjunctival injection technique [letter] Tennant JL. **Ophthalmic Surg** 1986 Oct;17(10):679

Clinical ventilation consequences from cardio-respiratory reactions during bronchoscopy. Ollman B. **Panminerva Med** 1986 Jul–Sep;28(3):259–60

Sudden onset of high fever and tachypnea. Swischuk LE. **Pediatr Emerg Care** 1987 Mar;3(1):53–4

Blood transfusion effect on the respiratory pattern of preterm infants. Joshi A, et al. **Pediatrics** 1987 Jul;80(1):79–84

Airway problems in children with craniofacial anomalies [letter] Voy ED. **Plast Reconstr Surg** 1986 Oct;78(4):543–4

Respiratory involvement in patients with Sjögren's syndrome: is it a problem? Constantopoulos SH, et al. **Scand J Rheumatol [Suppl]** 1986;61:146–50

Respiratory effects of work in retail food stores. I. Methodology and exposure assignments. Wegman DH, et al. **Scand J Work Environ Health** 1987 Jun;13(3):203–8

Respiratory effects of work in retail food stores. III. Pulmonary function findings. Wegman DH, et al. **Scand J Work Environ Health** 1987 Jun;13(3):213–7

Respiratory effects of work in retail food stores. II. Respiratory symptoms. Wegman DH, et al. **Scand J Work Environ Health** 1987 Jun;13(3):209–12

[Postoperative changes in pulmonary function. Physiopathology, prevention and treatment] Degn H, et al. **Ugeskr Laeger** 1986 Sep 8;148(37):2338–41 (Eng. Abstr.) **(Dan)**

[Respiratory function state and immediate postoperative complications in excision for cancer] Ranson-Bitker B, et al. **Ann Chir** 1986 Nov;40(8):597–602 (Eng. Abstr.) **(Fre)**

[Results of surgical treatment of gastroesophageal reflux with respiratory manifestations] Eizaguirre I, et al. **Chir Pediatr** 1987;28(1):20–3 (Eng. Abstr.) **(Fre)**

[Late symptoms following long-term artificial respiration in patients of an internal medicine intensive care unit. Catamnestic study after 1 to 3 years] Schuster HP, et al. **Med Klin** 1986 Feb 14;81(3):87–91 (Eng. Abstr.) **(Ger)**

[Tetralogy of Fallot with absence of the pulmonary valve] On A, et al. **Harefuah** 1986 Dec 15;111(12):418–22 (Eng. Abstr.) **(Heb)**

[Respiratory disorders in neurocirculatory dystonia patients] Andrushchenko EV, et al. **Vrach Delo** 1987 Jul;(7):12–4 (Eng. Abstr.) **(Rus)**

HISTORY

Sir William Osler's angina pectoris and other disorders. Golden RL. **Am J Cardiol** 1987 Jul 1;60(1):175–8

IMMUNOLOGY

HLA-DR4 and pulmonary dysfunction in rheumatoid arthritis. Scott TE, et al. **Am J Med** 1987 Apr;82(4):765–71

Lung immunology and its contribution to the immunopathogenesis of certain respiratory diseases. Reynolds HY. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):833–47 (67 ref.)

NURSING

Ineffective airway clearance and ineffective breathing patterns: theoretical and research base for nursing diagnosis. Kim MJ, et al. **Nurs Clin North Am** 1987 Mar; 22(1):125–34

OCCURRENCE

Epidemiological analysis of the increased risk of disturbed neonatal respiratory adaptation after caesarean section. Krantz ME, et al. **Acta Paediatr Scand** 1986 Sep;75(5):832–9

Neonatal respiratory disorders. A prospective epidemiological study from a developing country. Mounla NA. **Acta Paediatr Scand** 1987 Jan;76(1):159–60

Respiratory symptoms in adolescents and childhood respiratory history. Results on 15,000 adolescents. Cooreman J, et al. **Bull Int Union Tuberc** 1986 Mar–Jun; 61(1–2):46–9

Intraoperative respiratory complications in patients with upper respiratory tract infections. Tait AR, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):300–3

PHYSIOPATHOLOGY

Respiratory monitoring and treatment: objective treatments using non-invasive measurements. Fallat RJ, et al. **Adv Exp Med Biol** 1987;209:191–200

Breathing in Parkinson's disease. Gardner WN, et al. **Adv Neurol** 1987;45:271–4

Interaction between inflammatory response and smooth muscle. First Transatlantic Airway Conference. January 16 and 17, 1986, Lucerne, Switzerland. Proceedings. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S1–75

The relationship of nonspecific bronchial responsiveness to the occurrence of respiratory symptoms and decreased levels of pulmonary function. The Normative Aging Study. Sparrow D, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1255–60

Mechanisms and management of respiratory symptoms. 22nd annual meeting of the Societas Europaea Physiologiae Clinicae Respiratoriae. Antwerp, 22–26 June 1987. Abstracts. **Bull Eur Physiopathol Respir** 1987;23 Suppl 12:307S–433S

The irregularly irregular pattern of respiratory dyskinesia. Kuna ST, et al. **Chest** 1986 Nov;90(5):779–81

Effects of oral narcotics on sleep-disordered breathing in healthy adults. Robinson RW, et al. **Chest** 1987 Feb; 91(2):197–203

The effect of heart transplantation on Cheyne-Stokes respiration associated with congestive heart failure. Murdock DK, et al. **J Heart Transplant** 1986 Jul–Aug; 5(4):336–7

II. Ineffective breathing patterns and airway clearance. **Nurs Clin North Am** 1987 Mar;22(1):121–247

Ineffective breathing pattern related to decreased lung expansion. Hopp LJ, et al. **Nurs Clin North Am** 1987 Mar; 22(1):193–206

Ineffective breathing pattern related to respiratory muscle fatigue. Larson JL, et al. **Nurs Clin North Am** 1987 Mar; 22(1):207–23 (80 ref.)

Ventilatory responses to respiratory and metabolic acid-base disturbances in cats. Schuitmaker JJ, et al. **Respir Physiol** 1987 Jan;67(1):69–83

[Working Group for Clinical Respiratory Physiology. Work Session 1985. Graz, 7–9 November 1985] **Wien Med Wochenschr [Suppl]** 1986;97:1–57 **(Ger)**

[Significance of inspiratory activity in chest diseases with and without hypercapnia] Otsuka H, et al. **Kokyu To Junkan** 1987 May;35(5):469–73 **(Jpn)**

[A case of Cheyne-Stokes respiration—a mechanism of ventilatory control and the effect of acetazolamide] Tojima H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Oct; 24(10):1135–41 (Eng. Abstr.) **(Jpn)**

[Expiratory airway closure and the structure of general lung capacity in the early period after surgery using artificial circulation] Nikolaenko EM. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):20–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[The effect of doxapram after thoracotomy] Olsen KH, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2551–4 (Eng. Abstr.) **(Dan)**

[Preoperative assessment of respiratory risk] Sadoul P, et al. **Ann Fr Anesth Reanim** 1986;5(3):330–40 (50 ref.) **(Fre)**

PSYCHOLOGY

Coping with chronic respiratory difficulty. Shekleton ME. **Nurs Clin North Am** 1987 Sep;22(3):569–81 (43 ref.)

RADIOGRAPHY

[X-ray diagnosis of respiration disorders in patients with localized pulmonary manifestations of Hodgkin's disease] Amosov IS, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):66–9 (Eng. Abstr.) **(Rus)**

THERAPY

Need of hospital care for newborn infants. A population analysis of preterm infants and infants with respiratory disturbances. Krantz ME, et al. **Acta Paediatr Scand** 1987 Mar;76(2):201–8

More on management of the difficult airway [letter] Coveler LA. **Anesthesiology** 1987 Jul;67(1):154

Chronic respiratory problems in infancy. Tepper RS, et al. **Curr Probl Pediatr** 1986 Jun;16(6):305–59 (126 ref.)

Acupuncture, asthma, and breathlessness [editorial] **Lancet** 1986 Dec 20–27;2(8521–22):1427–8

Acupuncture for respiratory disease [letter] Jobst K, et al. **Lancet** 1987 Apr 4;1(8536):802

Infant ribs: generalized periosteal reaction resulting from vibrator chest physiotherapy. Wood BP. **Radiology** 1987 Mar;162(3):811–2

VETERINARY

[Infectious respiratory diseases in horses] **Tierarztl Prax** 1987; Suppl 2:1–56 **(Ger)**

RESPIRATORS

MR imaging of ventilator-dependent patients: preliminary experience. Mirvis SE, et al. **AJR** 1987 Oct;149(4):845–6

Initial mechanical ventilator settings for pediatric patients: clinical judgement in selection of tidal volume. Kanter RK, et al. **Am J Emerg Med** 1987 Mar;5(2):113–7

How do you use a closed suction adapter? Birdsall C. **Am J Nurs** 1986 Nov;86(11):1222–3

Non-rebreathing valve assembly [letter] Cramond T, et al. **Anaesth Intensive Care** 1986 Nov;14(4):465

Multipurpose breathing systems [letter] Humphrey D. **Anaesthesia** 1987 Jan;42(1):88–9

A new ventilator for closed breathing systems. Twigley A, et al. **Anaesthesia** 1987 Apr;42(4):419–24

A hazard of silencers for jet ventilators [letter] Van-Besouw JP. **Anaesthesia** 1987 Jan;42(1):81

Ethical issues in the treatment of chronic ventilator-dependent patients. Purtilo RB. **Arch Phys Med Rehabil** 1986 Oct;67(10):718–21

A ventilator for use in nuclear magnetic resonance studies. Ramsay JG, et al. **Br J Anaesth** 1986 Oct;58(10):1181–4

Assessment of a high frequency ventilator breathing system for use in the operating theatre. An experimental and clinical study. Sherry KM, et al. **Br J Anaesth** 1987 Apr; 59(4):510–7

Oxygen supplementation with the Drawover Fluotec Vaporizer. King TA, et al. **Cent Afr J Med** 1986 May; 32(5):123–6

Clinical applications of body ventilators. Hill NS. **Chest** 1986 Dec;90(6):897–905

Ventilator-imposed work of breathing [letter] Iturralde R, et al. **Chest** 1986 Nov;90(5):785–7

Recovery of ventilation distributions by gas wash-out of a mechanical pump. Buchanan PR, et al. **Clin Phys Physiol Meas** 1986 Aug;7(3):237–52

A lung model of carbon dioxide concentrations with mechanical or spontaneous ventilation. Lampotang S, et al. **Crit Care Med** 1986 Dec;14(12):1055–7

Current concepts of high-frequency ventilation. Hurst JM, et al. **Curr Surg** 1987 Jan–Feb;44(1):7–11

Determination of time required for blood gas homeostasis in the intubated post-open-heart surgery adult after a ventilator change. Schuch CS, et al. **Heart Lung** 1987 Jul; 16(4):364–70

Technical and psychological complications of high-frequency jet ventilation. Berré J, et al. **Intensive Care Med** 1987;13(2):96–9

Portable lung ventilators: the potential risk from bacterial colonisation. Shelly MP, et al. **Intensive Care Med** 1986; 12(4):328–31

Factors influencing mechanical performance of neonatal high-frequency ventilators. Fredberg JJ, et al. **J Appl Physiol** 1987 Jun;62(6):2485–90

Ventilation of a rat with a large-animal respirator. Wood JD, et al. **J Appl Physiol** 1986 Sep;61(3):1192–4

An apparatus for altering the mechanical load of the respiratory system. Younes M, et al. **J Appl Physiol** 1987 Jun;62(6):2491–9

Tidal volume changes due to the interaction of anesthesia machine and anesthesia ventilator. Gravenstein N, et al. **J Clin Monit** 1987 Jul;3(3):187–90

Failure of a ventilator alarm to detect patient disconnection. Bourke AE, et al. **J Med Eng Technol** 1987 Mar–Apr; 11(2):65–7

Gas trapping with high-frequency ventilation: jet versus oscillatory ventilation. Bancalari A, et al. **J Pediatr** 1987 Apr;110(4):617–22

Effect of bronchodilators on airway resistance in ventilator-dependent neonates with chronic lung disease. Wilkie RA, et al. **J Pediatr** 1987 Aug;111(2):278–82

Minitracheostomy: a new delivery system for jet ventilation. Matthews HR, et al. **J Thorac Cardiovasc Surg** 1986 Oct; 92(4):673–5

Comparative study of electrophrenic nerve stimulation and mechanical ventilatory support in traumatic spinal cord injury. Carter RE, et al. **Paraplegia** 1987 Apr;25(2):86–91

Pediatric home mechanical ventilation. Schreiner MS, et al. **Pediatr Clin North Am** 1987 Feb;34(1):47–60

Car seats for children with mechanically assisted ventilation. Stroup KB, et al. **Pediatrics** 1987 Aug;80(2):290–2

[Failure of a OP25 O2/N2O proportion-limiting control system (letter)] Bergeron B, et al. **Ann Fr Anesth Reanim** 1987;6(1):74 **(Fre)**

[The anesthesia equipment for tomorrow] Eurin B, et al. **Ann Fr Anesth Reanim** 1986;5(5):465–7 **(Fre)**

[Continuous flow rate respirators. Proposals for changes in the circuits] Delaporte B, et al. **Presse Med** 1987 Jul 11–18; 16(27):1329–30 (Eng. Abstr.) **(Fre)**

[Effect of leakage on gas loss and FIO2 of semi-closed anesthetic circle systems. 1. Leakages of anesthetic circle systems and model trials] Dworschak B, et al.

Anaesthesiol Reanim 1986;11(6):355–60 (Eng. Abstr.) **(Ger)**

[Development of a device for artificial respiration of infants and children. 1. The "Babyventilator N" infant and child respiratory device] Geske R, et al. **Anaesthesiol Reanim** 1986;11(4):247–53 (Eng. Abstr.) **(Ger)**

[Development of equipment for artificial respiration of infants and children. 2. The "Baby Ventilator I" long–term respirator for infants and children] Zietz G, et al. **Anaesthesiol Reanim** 1986;11(5):309–16 (Eng. Abstr.) **(Ger)**

[Disinfection of ventilators and related equipment with an aseptor?] Daschner F. **Anaesthesist** 1987 Apr;36(4):177 **(Ger)**

[Comparative humidity measurements in semiclosed and semiopen systems with the additional use of artificial noses] Wick C, et al. **Anaesthesist** 1987 Apr;36(4):172–6 (Eng. Abstr.) **(Ger)**

[Advantages of early artificial respiration of the newborn infant using a modified T–piece] Deckardt R. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):121–3 (Eng. Abstr.) **(Ger)**

[The work of breathing and the load of respirators during intermittent mandatory ventilation] Onodera F, et al. **Kokyu To Junkan** 1987 May;35(5):569–76 (Eng. Abstr.) **(Jpn)**

[A new ventilator for small experimental animals] Kawana S, et al. **Masui** 1987 Apr;36(4):626–8 **(Jpn)**

[Home therapy with respirators] Arnkvaern R, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17–18):1512–4 (Eng. Abstr.) **(Nor)**

[Use of iodine microdoses in the prevention of contamination in mechanical ventilators] Dias MD, et al. **AMB** 1986 Sep–Oct;32(9–10):162–4 (Eng. Abstr.) **(Por)**

[Effect of artificial pulmonary ventilation by mask and tracheal intubation during induction anesthesia on cerebrospinal fluid pressure in neurosurgical patients] Stolkarts IZ. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):3–5 (Eng. Abstr.) **(Rus)**

[Changes in peak pressure in the airways during high frequency jet ventilation] Belda FJ, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):387–91 (Eng. Abstr.) **(Spa)**

[Systems of artificial ventilation for the transportation of patients: functional analysis] Company Teuler R, et al. **Rev Esp Anestesiol Reanim** 1987 Jan–Feb;34(1):46–54 (Eng. Abstr.) **(Spa)**

[The construction of a model of the lung for the functional analysis of respirators] Llorens J, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):187–91 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Absorber hazard [letter] Collins B. **Anaesth Intensive Care** 1986 Nov;14(4):465–6

Excessive airway pressure due to a malfunctioning anesthesia ventilator. Roth S, et al. **Anesthesiology** 1986 Nov; 65(5):532–4

Evidence of inadequate humidification of inspired gas during artificial ventilation of newborn babies in the British Isles. Tarnow–Mordi WO, et al. **Lancet** 1986 Oct 18; 2(8512):909–10

[Expiratory blockage of a Monnal S respirator caused by rupture of the capsule of a pneumatic Bennett valve] Boyer C, et al. **Ann Fr Anesth Reanim** 1986;5(5):553–5 (Eng. Abstr.) **(Fre)**

ECONOMICS

[Respirator therapy] Thoner J, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17–18):1509–11 (Eng. Abstr.) **(Nor)**

HISTORY

Drinker tank respirators [letter] Hagley S. **Anaesth Intensive Care** 1987 Feb;15(1):119

NURSING

ECMO. The artificial lung for gravely ill newborns. Gerraughty AB, et al. **Am J Nurs** 1987 May; 87(5):655A–656B, 658D, 658F

[Nursing care of patients with extensive burns complicated by inhalative injury treated by high frequency ventilation] Xu JL. **Chung Hua Hu Li Tsa Chih** 1986 Oct;21(7):296–8 **(Chi)**

STANDARDS

A practical field method for measuring the effectiveness of intermittent respirator usage. Larsen RS. **Am Ind Hyg Assoc J** 1986 Dec;47(12):A775–6

Disconnection: an appraisal. Sara CA, et al. **Anaesth Intensive Care** 1986 Nov;14(4):448–52

Reinventing the triangular wheel [editorial] Carlon GC. **Crit Care Med** 1987 Feb;15(2):177–9

Evaluation of Pall BB–50T bacteria filter in a volume ventilator circuit. Flournoy DJ. **J Okla State Med Assoc** 1986 Oct;79(10):757–9

[Standardization of respirators in Spain. Standard UNE 110.005. Summary and comments] Belda FJ, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):141–6 (Eng. Abstr.) **(Spa)**

SUPPLY & DISTRIBUTION

Home care of ventilator–dependent children urged. Newald J. **Hospitals** 1987 May 20;61(10):88

TRENDS

[Home care ventilation; the present state and the future] Kimura K. **Kokyu To Junkan** 1987 Feb;35(2):133–8 (43 ref.) **(Jpn)**

RESPIRATORY ACIDOSIS see **ACIDOSIS, RESPIRATORY**

RESPIRATORY AIRFLOW

An improved technique for the simultaneous measurement of nasal and oral respiration. Keall CL, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):207–12

Airflow–induced bronchospasm. Imbalance between airway cooling and airway drying? Freed AN, et al. **Am Rev Respir Dis** 1987 Sep;136(3):595–9

Evaluating the effects of chronic therapy in patients with irreversible air–flow obstruction. Owens MW, et al. **Am Rev Respir Dis** 1986 Nov;134(5):935–7

Quantitation of ventilation in terms of continuous airflow variables. Ruttimann UE, et al. **Ann Biomed Eng** 1974 Sep; 2(3):239–51

Airflow patterns in a human nasal model. Hornung DE, et al. **Arch Otolaryngol Head Neck Surg** 1987 Feb; 113(2):169–72

Effects of size of the nasal airway on nasal airflow rate. Warren DW, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):405–8

The effect of inspiratory resistive training on exercise capacity in optimally treated patients with severe chronic airflow limitation. McKeon JL, et al. **Aust NZ J Med** 1986 Oct;16(5):648–52

Vital capacity and airflow measured from partial flow–volume curves during 5 degrees head–down tilt. Dikshit MB, et al. **Aviat Space Environ Med** 1987 Apr; 58(4):343–6

Nasal airflow asymmetries and human performance. Klein R, et al. **Biol Psychol** 1986 Oct;23(2):127–37

The effect of tongue position on division of airflow in the presence of velopharyngeal defects. Selley WG, et al. **Br J Plast Surg** 1987 Jul;40(4):377–83

Utility of relating pulmonary airflow measures to total lung capacity. Hedenström H, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):559–64

A transducer for measuring high frequency oscillatory flow rates. Isabey D, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):483–8

Reference values for vital capacity and flow–volume curves from a general population study. Paoletti P, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):451–9

Airflow limitation, asbestos exposure and lung size [letter] Teculescu DB. **Bull Eur Physiopathol Respir** 1986 Sep–Oct; 22(5):513–4

A non–invasive method of demonstrating the nasal cycle using flexible liquid crystal thermography. Canter RJ. **Clin Otolaryngol** 1986 Oct;11(5):329–36

Respiratory volumes in cheerleaders with a history of dysphonic episodes. Reich AR, et al. **Folia Phoniatr (Basel)** 1987;39(2):71–7

Mean airflow rates during phonation over a comfortable duration and maximum sustained phonation. Results from 60 normal adult subjects. Terasawa R, et al. **Folia Phoniatr (Basel)** 1987;39(2):87–9

Heterogeneity of mean alveolar pressure during high–frequency oscillations. Allen JL, et al. **J Appl Physiol** 1987 Jan;62(1):223–8

Respiratory phase detection and delay determination for breath–by–breath analysis. Boutellier U, et al. **J Appl Physiol** 1987 Feb;62(2):837–43

A pulsed diagonal–beam ultrasonic airflow meter. Buess C, et al. **J Appl Physiol** 1986 Sep;61(3):1195–9

Airflow–induced bronchoconstriction: role of epithelium and eicosanoid mediators. Freed AN, et al. **J Appl Physiol** 1987 Feb;62(2):574–81

Role of the nose in resistive load detection. Gleeson K, et al. **J Appl Physiol** 1986 Nov;61(5):1908–13

Airflow characteristics in a baboon nasal passage cast. Patra AL, et al. **J Appl Physiol** 1986 Nov;61(5):1959–66

Inspiratory–to–expiratory time ratio and alveolar ventilation during high–frequency ventilation in dogs. Yamada Y, et al. **J Appl Physiol** 1986 Nov;61(5):1903–7

Novel respiratory gas volume and flow monitor [letter] Mussell MJ. **J Biomed Eng** 1987 Apr;9(2):183–4

Tests of small airway function in black smokers and nonsmokers. Stinson JM, et al. **J Natl Med Assoc** 1987 Jul;79(7):753–7

Alterations in nasal physiology after laryngectomy: the nasal cycle. Havas TE, et al. **J Otolaryngol** 1987 Jun;16(3):149–53

The effect of airflow on mucus secretion into the trachea of the cat. Peatfield AC, et al. **J Physiol (Lond)** 1986 Nov; 380:429–39

Digital inverse filtering for linguistic research. Javkin HR, et al. **J Speech Hear Res** 1987 Mar;30(1):122–9

Maximal expiratory and inspiratory flow–volume curves in bilateral vocal–cord paralysis. Changes after surgical treatment and comparison with glottic resistance characteristics. Bogaard JM, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(1):35–41

Phonatory volume velocity recording by use of hot film anemometry and signal analysis. Woo P. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):312–8

Nomogram alternatives for clinical assessments. Francis K. **Phys Ther** 1987 Aug;67(8):1260–4

Mechanical properties of excised calf lungs. Gustin P, et al. **Res Vet Sci** 1987 May;42(3):272–6

Nasal vasomotor responses in man to breath holding and hyperventilation recorded by means of intranasal balloons. Babatola FD, et al. **Rhinology** 1986 Dec;24(4):271–6

Resistance to respiratory airflow of the nasal passages: comparisons between different common methods of calculation. Cole P, et al. **Rhinology** 1986 Sep;24(3):163–73

Studies of transnasal pressure and airflow values in a Japanese population. Ohki M, et al. **Rhinology** 1986 Dec;24(4):277–82

[Positive expiratory pressure (PEP) used preventively in thoracic surgery] Frølund L, et al. **Ugeskr Laeger** 1986 Dec 15;148(51):3453–6 (Eng. Abstr.) **(Dan)**

[Modalities of the hyperventilation of exercise in maximal triangular effort on the ergometry bicycle in 11–to–13–year–old boys] Gratas A, et al. **C R Soc Biol (Paris)** 1986;180(6):683–95 (Eng. Abstr.) **(Fre)**

[Continuous flow rate respirators. Proposals for changes in the circuits] Delaporte B, et al. **Presse Med** 1987 Jul 11–18; 16(27):1329–30 (Eng. Abstr.) **(Fre)**

[Breath tests or measurement of lung volume and bronchial flow] Préfaut C, et al. **Rev Mal Respir** 1986;3(6):323–32 **(Fre)**

[Evaluation of the performance of 2 mini–flow meters] Teculescu DB, et al. **Rev Mal Respir** 1987;4(3):121–5 (Eng. Abstr.) **(Fre)**

[Flow resistance in pediatric oro– and nasotracheal tubes] Hachenberg T, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):266–9 (Eng. Abstr.) **(Ger)**

[Selected problems of aerodynamics in playing wind instruments] Pawłowski Z, et al. **Folia Phoniatr (Basel)** 1987;39(1):26–37 (Eng. Abstr.) **(Ger)**

[Respiratory volume flow controlled total occlusion method, a new principle for measuring bronchial resistance] Bachert C, et al. **Prax Klin Pneumol** 1987 Apr;41(4):129–31 (Eng. Abstr.) **(Ger)**

[Maximal functional capacity by ergospirometry in patients with Chagas' disease] Mady C, et al. **Arq Bras Cardiol** 1986 Sep;47(3):201–5 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Comparison of the effects of atropine and glycopyrrolate on pulmonary mechanics in patients undergoing fiberoptic bronchoscopy. Thorburn JR, et al. **Anesth Analg** 1986 Dec; 65(12):1285–9

Sulfuric acid–induced airway hyperresponsiveness. Gearhart JM, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):681–9

Vascular tracers alter hemodynamics and airway pressure in anesthetized sheep. Albertine KH, et al. **Microvasc Res** 1986 Nov;32(3):279–88

RESPIRATORY ALKALOSIS see **ALKALOSIS, RESPIRATORY**

RESPIRATORY CARE UNITS

Ventilator dependence [letter] Indihar FJ, et al. **Minn Med** 1987 Mar;70(3):163

ECONOMICS

Long–term ventilator care. A Chicago problem and a national problem. Bone RC. **Chest** 1987 Sep;92(3):536–9

UTILIZATION

Impact of an intermediate care area on ICU utilization after cardiac surgery. Byrick RJ, et al. **Crit Care Med** 1986 Oct; 14(10):869–72

RESPIRATORY CENTER

ANATOMY & HISTOLOGY

Localization of respiratory rhythm–generating neurons in the medulla of brainstem–spinal cord preparations from newborn rats. Onimaru H, et al. **Neurosci Lett** 1987 Jul 22;78(2):151–5

Spinal projections of brainstem respiratory related neurons in the cat as revealed by retrograde fluorescent markers. Portillo F, et al. **Rev Esp Fisiol** 1986 Dec;42(4):483–8

CYTOLOGY

Morphology of expiratory neurons of the Bötzinger complex: an HRP study in the cat. Otake K, et al. **J Comp Neurol** 1987 Apr 22;258(4):565–79

PHYSIOLOGY

Split–respiratory centre in the dog. Gromysz H, et al. **Acta Physiol Pol** 1986 Jul–Aug;37(4–5):228–31

Morphological and physiological properties of caudal medullary expiratory neurons of the cat. Arita H, et al. **Brain Res** 1987 Jan 20;401(2):258–66

Firing patterns of bulbar respiratory neurones during sniffing in the conscious, non–paralyzed rabbit. du Pont JS.

Brain Res 1987 Jun 23;414(1):163–8

Antidromic mapping of descending axons of respiratory bulbospinal neurons in the nucleus tractus solitarius of the rabbit. Jiang C, et al. **Brain Res** 1987 Jun 9;413(1):189–92

In vitro characterization of neurons in the ventral part of the nucleus tractus solitarius. I. Identification of neuronal types and repetitive firing properties. Dekin MS, et al. **J Neurophysiol** 1987 Jul;58(1):195–214

In vitro characterization of neurons in the ventral part of the nucleus tractus solitarius. II. Ionic basis for repetitive firing patterns. Dekin MS, et al. **J Neurophysiol** 1987 Jul; 58(1):215–29

Inputs to intercostal motoneurons from ventrolateral medullary respiratory neurons in the cat. Merrill EG, et al. **J Neurophysiol** 1987 Jun;57(6):1837–53

[Modern views on the respiratory center in mammals] Zhang H. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul;17(3):210–5 (63 ref.) **(Chi)**

[Are respiratory stimulants necessary? No] Akiyama Y, et al. **Kokyu To Junkan** 1987 Apr;35(4):377–80 (24 ref.) **(Jpn)**

[On caudal medullary respiratory neurons and tonic-discharge neurons related to central chemosensitivity] Arita H. **Kokyu To Junkan** 1987 May; 35(5):475–83 **(Jpn)**

[An analysis of the central respiratory oscillator by phase response curve] Komatsu A, et al. **Kokyu To Junkan** 1986 Jun;34(6):615–22 **(Jpn)**

[Possible participation of endogenous bursting neurons in central respiratory rhythm generation] Kitano S. **Masui** 1986 Nov;35(11):1619–32 (Eng. Abstr.) **(Jpn)**

[Relation between CIA and principal variables of breathing pattern] Tamaya S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1266–74 (Eng. Abstr.) **(Jpn)**

[Role of cortical effects in the activity of the respiratory center as a paired structure] Merkulova NA, et al. **Biol Nauki** 1986;(6):46–51 **(Rus)**

PHYSIOPATHOLOGY

Prediction of successful ventilator weaning using airway occlusion pressure and hypercapnic challenge. Montgomery AB, et al. **Chest** 1987 Apr;91(4):496–9

Control of abdominal and expiratory intercostal muscle activity during vomiting: role of ventral respiratory group expiratory neurons. Miller AD, et al. **J Neurophysiol** 1987 Jun;57(6):1854–66

[A model of the central control of respiration] Kneussl M, et al. **Wien Klin Wochenschr** 1986 Sep 12;98(17):561–4 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Radiation necrosis causing failure of automatic ventilation during sleep with central sleep apnea. Udwadia ZF, et al. **Chest** 1987 Sep;92(3):567–9

RESPIRATORY DEAD SPACE

Deadspace during high frequency ventilation [letter] Fletcher R. **Br J Anaesth** 1986 Nov;58(11):1341–2

Physiological dead space during general anaesthesia for Caesarean section. Shankar KB, et al. **Can J Anaesth** 1987 Jul;34(4):373–6

Increased alveolar deadspace after closure of cardiac septal defects: pulmonary air embolism or failure of homeostasis? Fletcher R, et al. **Clin Physiol** 1986 Oct;6(5):423–30

Deadspace ventilation: a significant factor in respiratory failure after thermal inhalation. Stollery DE, et al. **Crit Care Med** 1987 Mar;15(3):260–1

RESPIRATORY DISTRESS SYNDROME

see related
HYALINE MEMBRANE DISEASE

Birth weight, respiratory distress syndrome, and cognitive development. A four-year follow-up of preterm infants. Ludman WL, et al. **Am J Dis Child** 1987 Jan;141(1):79–83

Pathology of neonatal surfactant deficiency. Robertson B. **Perspect Pediatr Pathol** 1987;11:6–46 (254 ref.)

[Adult respiratory distress syndrome: etiology, diagnosis and therapeutic notes] Arcangeli A, et al. **Recenti Prog Med** 1987 Jan;78(1):39–45 (28 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Respiratory distress syndrome: steroid and peptide hormone levels in maternal venous blood and the umbilical vein and artery. Hercz P, et al. **Acta Paediatr Hung** 1987;28(1):17–21

Plasma atrial natriuretic peptide and spontaneous diuresis in sick neonates. Kojima T, et al. **Arch Dis Child** 1987 Jul; 62(7):667–70

Transcutaneous carbon dioxide monitoring during neonatal transport. Jacob J, et al. **Crit Care Med** 1986 Dec; 14(12):1050–2

Ethamsylate reduces immunoreactive prostacyclin metabolite in low birthweight infants with respiratory distress syndrome. Rennie JM, et al. **Early Hum Dev** 1986 Dec; 14(3–4):239–44

Vitamin E in newborns surviving respiratory distress [letter] Göbel U, et al. **Eur J Pediatr** 1987 Mar;146(2):210–1

Elevated atrial natriuretic factor in neonates with respiratory distress syndrome. Shaffer SG, et al. **J Pediatr** 1986 Dec; 109(6):1028–33

Serum thyroglobulin levels in preterm infants with and without the respiratory distress syndrome. I. Cord blood study. Kok JH, et al. **Pediatr Res** 1986 Oct;20(10):996–1000

Serum thyroglobulin levels in preterm infants with and without respiratory distress syndrome. II. A longitudinal study during the first 3 weeks of life. Kok JH, et al. **Pediatr Res** 1986 Oct;20(10):1001–3

Ontogeny of unconjugated estriol in fetal blood and the relation of estriol levels at birth to the development of respiratory distress syndrome. Parker CR Jr, et al. **Pediatr Res** 1987 Apr;21(4):386–90

Pulse oximetry in very low birth weight infants with acute and chronic lung disease. Ramanathan R, et al. **Pediatrics** 1987 Apr;79(4):612–7

CEREBROSPINAL FLUID

Evaluation of routine lumbar punctures in newborn infants with respiratory distress syndrome. Eldadah M, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):243–6

CHEMICALLY INDUCED

Neonatal respiratory distress caused by aspiration of a vaginal tablet containing prostaglandin. Andersson S, et al. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):25–6

COMPLICATIONS

Positive-pressure ventilation at moderately high frequency in newborn infants with respiratory distress syndrome (IRDS). Sedin G. **Acta Anaesthesiol Scand** 1986 Oct; 30(7):515–20

Tricuspid regurgitation in newborn infants with respiratory distress: echo-Doppler study. Reller MD, et al. **J Pediatr** 1987 May;110(5):760–4

Outcome of RDS survivors [editorial] **Lancet** 1987 Apr 4; 1(8536):785

High-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study. Gaylord MS, et al. **Pediatrics** 1987 Jun;79(6):915–21

Prophylactic treatment of asymptomatic patent ductus arteriosus in premature infants with respiratory distress syndrome. Weesner KM, et al. **South Med J** 1987 Jun; 80(6):706–8

[Short- and medium-term neuropsychic development of 117 children at risk. Considerations on the hospital-territory relationship] Vigliano P, et al. **Minerva Pediatr** 1986 Nov 30;38(22):1047–51 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Clinical and economic considerations associated with testing for fetal lung maturity. Herbert WN, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):820–3

A calculator program for determining indices of neonatal respiratory distress syndrome severity. Horbar JD. **Am J Perinatol** 1987 Jan;4(1):20–3

Lung surfactant apoprotein and phosphatidylglycerol in amniotic fluid for prediction of respiratory distress syndrome. Dhall K, et al. **Asia Oceania J Obstet Gynaecol** 1986 Sep;12(3):395–401

Evaluating the clinical effectiveness of amniotic fluid assays in predicting respiratory distress syndrome in the neonate. Amenta JS, et al. **Clin Chem** 1987 May;33(5):647–52

Nasopharyngeal aspirate for prediction of respiratory distress syndrome. Dhall K, et al. **Indian J Med Res** 1986 Nov; 84:519–21

Pneumonia in the newborn. Bhakoo ON. **Indian J Pediatr** 1987 Mar-Apr;54(2):199–204

Fetal pulmonary maturity and antenatal diagnosis of respiratory distress syndrome. Weiner SA, et al. **Obstet Gynecol Surv** 1987 Feb;42(2):75–81 (44 ref.)

Compliance measurement in respiratory distress syndrome: the prediction of outcome. Graff MA, et al. **Pediatr Pulmonol** 1986 Nov-Dec;2(6):332–6

A comparison of HPLC and TLC in the assessment of amniotic fluid lecithin/sphingomyelin ratio. Ng HT, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr;11(2):91–6

[Value of a rapid determination of phosphatidylglycerol in the endotracheal aspirate of the newborn infant in respiratory distress] Ropert JC, et al. **Arch Fr Pediatr** 1986 May;43(5):307–9 (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of a case of congenital hydrothorax caused by extralobar lung separation] Höck A, et al. **Kinderarztl Prax** 1987 Feb;55(2):81–90 (Eng. Abstr.) **(Ger)**

[Physico-chemical method of diagnosing the respiratory distress syndrome using a black foam film] Eksperova D, et al. **Fiziol Zh** 1987 May-Jun;33(3):101–8 (Eng. Abstr.) **(Rus)**

[Lecithin /sphingomyelin ratio and palmitic acid percentage in the diagnosis and prediction of idiopathic respiratory distress syndrome] Sanjurjo P, et al. **An Esp Pediatr** 1986 Oct;25(4):247–50 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Selection of study patients with premature rupture of membranes [letter] Porreco RP, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):766–7

Lung function in prematurely delivered rabbits treated with a synthetic surfactant. Tooley WH, et al. **Am Rev Respir Dis** 1987 Sep;136(3):651–6

Respiratory distress syndrome and inositol supplementation in preterm infants. Hallman M, et al. **Arch Dis Child** 1986 Nov;61(11):1076–83

Skeletal muscle growth failure induced in premature newborn infants by prolonged pancuronium treatment. Rutledge ML, et al. **J Pediatr** 1986 Nov;109(5):883–6

Neonatal update: surfactant replacement therapy. Few BJ. **MCN** 1987 Mar-Apr;12(2):129

Effect of surfactant substitution on lung effluent phospholipids in respiratory distress syndrome: evaluation of surfactant phospholipid turnover, pool size, and the relationship to severity of respiratory failure. Hallman M, et al. **Pediatr Res** 1986 Dec;20(12):1228–35

Ambroxol in the treatment of idiopathic respiratory distress syndrome. An interim report on a controlled double-blind multicenter study versus placebo. Marini A, et al. **Respiration** 1987;51 Suppl 1:60–7

ENZYMOLOGY

[Toxicity of oxygen and (Cu) superoxide dismutase and (Mn) superoxide dismutase in newborn infants with respiratory distress. Preliminary results] Lindenbaum A, et al. **Pathol Biol (Paris)** 1987 Feb;35(2):173–6 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Fetal lung maturation in diabetic pregnancy. Tydén O, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;277:101–6

Perinatal risk factors. With special reference to intrauterine growth retardation and neonatal respiratory adaptation. Wennergren M. **Acta Obstet Gynecol Scand [Suppl]** 1986; 135:1–51

Prenatal Chlamydia trachomatis Infection with postnatal respiratory disease in a preterm infant. Sollecito D, et al. **Acta Paediatr Scand** 1987 May;76(3):532

Congenital eventration of the diaphragm: an unusual cause of intractable neonatal respiratory distress with variable etiology. Moerman P, et al. **Am J Med Genet** 1987 May; 27(1):213–8

Maternal alcohol ingestion and the incidence of respiratory distress syndrome. Ioffe S, et al. **Am J Obstet Gynecol** 1987 May;156(5):1231–5

Correlation of amniotic pulmonary surfactant with birth weight and respiratory distress in newborn. Kapoor U, et al. **J Indian Med Assoc** 1986 Jun;84(6):176–80

Conditions and diseases leading to neonatal respiratory distress and failure--definitions, incidence and outcome. Mounla NA. **Middle East J Anesthesiol** 1987 Feb;9(1):71–6

Respiratory distress syndrome in infants of diabetic mothers in the 1980s: no direct adverse effect of maternal diabetes with modern management. Mimouni F, et al. **Obstet Gynecol** 1987 Feb;69(2):191–5

Haemothorax of the newborn--an unusual cause of respiratory distress. A case report. Ransome OJ, et al. **S Afr Med J** 1987 Apr 4;71(7):463–4

[Neonatal hydrometrocolpos. A cause of immediate neonatal respiratory distress] Robin M, et al. **Arch Fr Pediatr** 1987 Mar;44(3):185–7 (Eng. Abstr.) **(Fre)**

[Pulmonary vascular loop--respiratory disorders caused by vascular abnormality] Hruda J, et al. **Kinderarztl Prax** 1986 Oct;54(10):577–82 (Eng. Abstr.) **(Ger)**

[Differential diagnosis and therapy of abnormalities of the respiratory tract] Brandt RH, et al. **Z Erkr Atmungsorgane** 1986;167(3):266–72 (Eng. Abstr.) **(Ger)**

[Importance of neonatal asphyxia and cesarean section as risk factors in neonatal respiratory distress. A study on 1612 newborn infants] Vescuso A, et al. **Minerva Pediatr** 1986 Oct 15;38(19):827–9 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Presence of apocrine epithelial antigen (AEA) in type II pneumocytes and in hyaline membranes of neonatal RDS. Forsman LM, et al. **J Pathol** 1986 Dec;150(4):289–94

METABOLISM

A molecular marker for fibrotic collagen in lungs of infants with respiratory distress syndrome. Reiser KM, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):16–21

A protein that inhibits surfactant in respiratory distress syndrome. Ikegami M, et al. **Biol Neonate** 1986;50(3):121–9

The sex difference in fetal lung surfactant production. Torday JS, et al. **Exp Lung Res** 1987;12(1):1–19 (91 ref.)

Inositol supplementation in respiratory distress syndrome: relationship between serum concentration, renal excretion, and lung effluent phospholipids. Hallman M, et al. **J Pediatr** 1987 Apr;110(4):604–10

MORTALITY

Epidemiologic methods in acute respiratory infections. Kumar V. **Indian J Pediatr** 1987 Mar-Apr;54(2):205–11

Regional differences in birth weight-specific infant mortality, United States, 1980. Allen DM, et al. **Public Health Rep** 1987 Mar-Apr;102(2):138–45

[Neonatal respiratory distress syndrome in Switzerland. Data for 1984 and comparison with 1974] Baeckert P, et al. **Schweiz Med Wochenschr** 1987 Jul 7;117(27–28):1021–7 (Eng. Abstr.) **(Ger)**

[Quantitative prognosis of mortality in newborn infants treated with artificial respiration] Kachel W, et al. **Z Geburtshilfe Perinatol** 1987 Jan-Feb;191(1):34-9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Quantitative evaluation of neonatal lung expansion with automated image analysis. Rigaut JP, et al. **Pediatr Pathol** 1986;6(1):11-24

[Ultrastructural changes on the alveolar surface in experimental respiratory distress syndrome with emphasis on the detection of surfactants] Hašková Ivová I. **Cesk Patol** 1986 Aug;22(3):141-4 (Eng. Abstr.) **(Cze)**

[Respiratory emergency in the newborn infant: extreme laryngotracheo-esophageal cleft (esophagotrachea)] Richter A, et al. **Monatsschr Kinderheilkd** 1986 Dec; 134(12):874-7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Thyroid function in prematures with respiratory distress syndrome (RDS). Stahnke N, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:354-60

Efficiency of ventilation in neonatal pulmonary maladaptation. Sandberg K, et al. **Acta Paediatr Scand** 1987 Jan;76(1):30-6

Influence of positive end-expiratory pressure on cardiac performance in premature infants: a Doppler-echocardiographic study. Hausdorf G, et al. **Crit Care Med** 1987 Jul;15(7):661-4

Increased airway resistance complicating respiratory distress syndrome. Weinstein MM, et al. **Crit Care Med** 1987 Jan; 15(1):76-7

Acute respiratory distress syndrome [letter] Hickling KG. **Intensive Care Med** 1987;13(1):83

Pulmonary follow-up of moderately low birth weight infants with and without respiratory distress syndrome. Mansell AL, et al. **J Pediatr** 1987 Jan;110(1):111-5

Outcome for survivors from respiratory-distress syndrome [letter] Todisco T, et al. **Lancet** 1987 May 23;1(8543):1213

Cardiorespiratory function in asymptomatic survivors of neonatal respiratory distress syndrome. Driscoll DJ, et al. **Mayo Clin Proc** 1987 Aug;62(8):695-700

Growth and development of infants surviving respiratory distress syndrome: a 2-year follow-up. Piekkala P, et al. **Pediatrics** 1987 Apr;79(4):529-37

[Changes in pulmonary and cerebral blood flow and the relation between the changes and pulmonary edema in the early phase of respiratory distress syndrome induced by oleic acid in rabbits] Wang R. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):290-2, 319 (Eng. Abstr.) **(Chi)**

[Fluorescence polarization for measuring the production of surfactant in pathological pregnancies] Luerti M, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar-Apr;108(2):83-9 (Eng. Abstr.) **(Ita)**

[The adult respiratory distress syndrome in surgical patients] Toš L. **Plucne Bolesti** 1986 Apr-Jun;38(2):111-9 (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

Enhancement of lung conditioning by acetylcholine in the prevention of respiratory distress syndrome in the preterm fetal lamb. Kolobow T, et al. **Biol Neonate** 1987; 51(4):224-33

Randomized controlled trial of very early continuous distending pressure in the management of preterm infants. Han VK, et al. **Early Hum Dev** 1987 Jan;15(1):21-32

Neonatal respiratory distress syndrome (RDS) in cases of premature labor treated by betamimetic drugs. Cabero L, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Dec; 9(6):375-8

New bacterial vaccines for acute respiratory infections. Verma IC. **Indian J Pediatr** 1987 Mar-Apr;54(2):213-8

Exogenous surfactant therapy to prevent respiratory distress syndrome. Lawson EE. **J Pediatr** 1987 Mar;110(3):492-3

RDS prevention: benefit and risk [letter] **J Perinat Med** 1986; 14(4):275-6

[Prenatal steroid therapy and the respiratory distress in premature infants] Melková J, et al. **Cesk Gynekol** 1986 Sep;51(8):592-600 (Eng. Abstr.) **(Cze)**

[The effect of glucocorticoids and other prenatal factors on fetal lung maturity] Melková J, et al. **Cesk Pediatr** 1986 Nov;41(11):658-63 (Eng. Abstr.) **(Cze)**

[Induction of fetal lung maturation using ambroxol and betamethasone. Results of an open multicenter study] Wolff F, et al. **Geburtshilfe Frauenheilkd** 1987 Jan;47(1):19-25 (Eng. Abstr.) **(Ger)**

[Therapeutic prospectives in respiratory distress syndrome and their immuno-endocrinologic correlates] Caramia G, et al. **Minerva Pediatr** 1986 Sep 30;38(17-18):707-11 (Eng. Abstr.) **(Ita)**

[Factors affecting fetal lung maturation. Prevention of respiratory distress syndrome in premature infants] Zajac T. **Wiad Lek** 1986 Jul 1;39(13):926-32 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Patterns of attachment among preterm infants of varying biological risk. Plunkett JW, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):794-800

Effects of severity and chronicity of respiratory illness on the cognitive development of preterm infants. Meisels SJ, et al. **J Pediatr Psychol** 1987 Mar;12(1):117-32

RADIOGRAPHY

[B streptococcal infection--problems in neonatology and diagnostic value of roentgen thoracic images] Ewest B, et al. **Radiol Diagn (Berl)** 1987;28(1):29-33 (Eng. Abstr.) **(Ger)**

[The gasless, "white" abdomen in neonatal intensive care] Preuss HJ, et al. **Radiol Diagn (Berl)** 1987;28(1):35-8 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Perfusional pulmonary scintigraphy using 99mTc-MISA in newborn infants] Silvestro L, et al. **Minerva Pediatr** 1987 Jun 30;39(11-12):515-20 (Eng. Abstr.) **(Ita)**

THERAPY

Long term effects of artificial ventilation in neonates. Riedel F. **Acta Paediatr Scand** 1987 Jan;76(1):24-9

High-frequency oscillatory ventilation in premature infants with respiratory failure: a preliminary report. Froese AB, et al. **Anesth Analg** 1987 Sep;66(9):814-24

Synchronous mechanical ventilation of the neonate. South M, et al. **Arch Dis Child** 1986 Dec;61(12):1190-5

Thrombocytopenia in neonates after extracorporeal membrane oxygenation. Anderson HL 3d, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):534-7

Extracorporeal membrane oxygenation and high-frequency oscillatory ventilation: potential therapeutic relationships. Cornish JD, et al. **Crit Care Med** 1987 Sep;15(9):831-4

Effect of mechanical ventilation and volume loading on left ventricular performance in premature infants with respiratory distress syndrome. Maayan C, et al. **Crit Care Med** 1986 Oct;14(10):858-60

Metabolic rates of newborn infants with severe respiratory failure treated with extracorporeal membrane oxygenation. Cilley RE, et al. **Curr Surg** 1987 Jan-Feb;44(1):48-51

Failure of observation and impedance respirography to detect active expiration in ventilated preterm infants. Rennie JM, et al. **Early Hum Dev** 1987 Jul;15(4):197-201

Persistent low plasma vitamin E levels in premature infants surviving respiratory distress syndrome. Huijbers WA, et al. **Eur J Pediatr** 1986 Aug;145(3):170-1

Successful treatment of experimental neonatal respiratory failure using extracorporeal membrane lung assist. Fumagalli R, et al. **Int J Artif Organs** 1986 Nov;9(6):427-32

Randomized trial of high-frequency jet ventilation versus conventional ventilation in respiratory distress syndrome. Carlo WA, et al. **J Pediatr** 1987 Feb;110(2):275-82

Localization of surfactant in neonatal lung after exogenous administration. Ferrara TB, et al. **J Pediatr** 1987 Sep; 111(3):463-6

Experience with renal failure during extracorporeal membrane oxygenation: treatment with continuous hemofiltration. Sell LL, et al. **J Pediatr Surg** 1987 Jul; 22(7):600-2

Extracorporeal membrane oxygenation for respiratory and cardiac failure in infants and children. Redmond CR, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):199-204

Controlled supplemental oxygenation during tracheobronchial hygiene. Walsh CM, et al. **Nurs Res** 1987 Jul-Aug;36(4):211-5

Extracorporeal membrane oxygenation in pediatric respiratory failure. Ortiz RM, et al. **Pediatr Clin North Am** 1987 Feb;34(1):39-46

High frequency ventilation. Wetzel RC, et al. **Pediatr Clin North Am** 1987 Feb;34(1):15-38 (102 ref.)

Computerized ventilation [letter] Anbar RD. **Pediatrics** 1987 Feb;79(2):315-7

One- to three-year outcome for 14 neonatal survivors of extracorporeal membrane oxygenation. Andrews AF, et al. **Pediatrics** 1986 Oct;78(4):692-8

Intracranial hemorrhage during extracorporeal membrane oxygenation in neonates. Cilley RE, et al. **Pediatrics** 1986 Oct;78(4):699-704

Intratracheal suctioning in sick preterm infants: prevention of intracranial hypertension and cerebral hypoperfusion by muscle paralysis. Fanconi S, et al. **Pediatrics** 1987 Apr; 79(4):538-43

Comparison of four surfactants: in vitro surface properties and responses of preterm lambs to treatment at birth. Ikegami M, et al. **Pediatrics** 1987 Jan;79(1):38-46

Were infants in the control group sicker? [letter] Vollman JH. **Pediatrics** 1978 Jan;61(1):161-2

[Peripheral arterial catheterization in neonates and infants. Remote study of the arterial permeability by the Doppler effect] Delaporte B, et al. **Arch Fr Pediatr** 1987 Apr; 44(4):253-4 (Eng. Abstr.) **(Fre)**

[Primary management of newborn infants with respiratory failure due to a congenital defect of the diaphragm] Abel M, et al. **Anasth Intensivther Notfallmed** 1986 Oct; 21(5):280-3 (Eng. Abstr.) **(Ger)**

[Advantages of early artificial respiration of the newborn infant using a modified T-piece] Deckardt R. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):121-3 (Eng. Abstr.) **(Ger)**

[Experiences with MCT containing fat emulsions in premature and newborn infants] Panteliadis C, et al. **Infusionsther Klin Ernahr** 1987 Feb;14(1):38-40 (Eng. Abstr.) **(Ger)**

[Experience using transcutaneous pO2 measurement (tcpO2 measurement) during the transport of premature and newborn infants with artificial respiration] Genz T, et al. **Klin Padiatr** 1986 Nov-Dec;198(6):457-62 (Eng. Abstr.) **(Ger)**

[Noninvasive, continuous monitoring of artificial respiration in premature and newborn infants by the constant measurement of respiratory minute volume, oxygen consumption and carbon dioxide release] Leidig E, et al. **Klin Padiatr** 1986 Jul-Aug;198(4):321-5 (Eng. Abstr.) **(Ger)**

[Thoracic diaphanoscopy--a simple method of diagnosing pneumothorax] Müller J, et al. **Radiol Diagn (Berl)** 1987; 28(1):23-8 (Eng. Abstr.) **(Ger)**

[Bronchopulmonary dysplasia after treatment with continuous negative pressure] Pesenti P, et al. **Pediatr Med Chir** 1986 May-Jun;8(3):369-71 (Eng. Abstr.) **(Ita)**

[Care of the newborn infant with respiratory distress syndrome using continuous negative pressure. 5 years' experience] Ronconi GF, et al. **Pediatr Med Chir** 1986 May-Jun;8(3):365-8 (Eng. Abstr.) **(Ita)**

RESPIRATORY DISTRESS SYNDROME, ADULT

Acute respiratory distress syndrome [letter] Pott LM. **Intensive Care Med** 1987;13(2):143-4

A.R.D.S. at King Hussein Medical Centre. Al-Shanableh JS. **Middle East J Anesthesiol** 1987 Jun;9(2):185-7

Scoring systems and predictors of ARDS and MOF. Goris RJ, et al. **Prog Clin Biol Res** 1987;236B:3-15 (28 ref.)

[Adult respiratory distress syndrome (ARDS)] Nielsen TL, et al. **Ugeskr Laeger** 1986 Aug 25;148(35):2210-2 (Eng. Abstr.) **(Dan)**

[Definition and prognosis of adult respiratory distress syndrome] Artigas Raventós A. **Med Clin (Barc)** 1986 Dec 13;87(20):850-2 **(Spa)**

[Adult respiratory distress syndrome: 4 years' experience] García-Quijada RC, et al. **Med Clin (Barc)** 1986 Dec 13; 87(20):830-8 (Eng. Abstr.) **(Spa)**

BLOOD

Activation of the complement system in the adult respiratory distress syndrome. Robbins RA, et al. **Am Rev Respir Dis** 1987 Mar;135(3):651-8

Thromboxane and prostacyclin release in adult respiratory distress syndrome. Deby-Dupont G, et al. **Intensive Care Med** 1987;13(3):167-74

Plasma endotoxin levels and functions of peripheral granulocytes in surgical patients with respiratory distress syndrome. Miyata T, et al. **Jpn J Surg** 1986 Nov; 16(6):412-7

Protein abnormalities in adult respiratory distress syndrome, tuberculosis, and cystic fibrosis sera. Emmett M, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):74-82

Catecholamines in the serum of multiple trauma patients--mediators of ARDS? Sefrin P. **Prog Clin Biol Res** 1987;236A:477-86

Trypsin-like activity and thromboxane release in adult respiratory distress syndrome. Deby-Dupont G, et al. **Prostaglandins** 1986 Jul;32(1):106-10

The predictive and discriminative value of biologically active products of eosinophils, neutrophils and complement in bronchoalveolar lavage and blood in patients with adult respiratory distress syndrome. Modig J, et al. **Resuscitation** 1986 Nov;14(3):121-34

Biochemical markers in a porcine model of adult respiratory distress syndrome induced by endotoxemia. Modig J, et al. **Resuscitation** 1986 Dec;14(4):225-36

CHEMICALLY INDUCED

Adult respiratory distress syndrome and trimethoprim-sulfamethoxazole [letter] Cass RM. **Ann Intern Med** 1987 Feb;106(2):331

Acute respiratory distress during sclerotherapy for esophageal varices [letter] Musso R, et al. **Ann Intern Med** 1987 Apr;106(4):640

Adult respiratory distress syndrome associated with oral cyclosporine. Carbone L, et al. **Transplantation** 1987 May; 43(5):767-8

[Acute respiratory distress syndrome in adults in colchicine poisoning] Maurizi M, et al. **Ann Fr Anesth Reanim** 1986; 5(5):530-2 (Eng. Abstr.) **(Fre)**

[Severe poisoning with the organophosphorus insecticide thionazine--2 cases with the development of adult respiratory distress syndrome (ARDS)] Fiori G, et al. **Schweiz Med Wochenschr** 1987 Mar 14;117(11):399-401 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Pulmonary vascular obstruction in severe ARDS: angiographic alterations after i.v. fibrinolytic therapy. Greene R, et al. **AJR** 1987 Mar;148(3):501-8

Pulmonary vascular obstruction in the adult respiratory distress syndrome. Greene R. **J Thorac Imaging** 1986 Jul; 1(3):31-8 (58 ref.)

Adult respiratory distress syndrome and neutropenia [letter] **N Engl J Med** 1987 Feb 12;316(7):413-4

DIAGNOSIS

Adult respiratory distress syndrome in leptospira icterohaemorrhagiae infection [letter] Dive AM, et al. **Intensive Care Med** 1987;13(3):214

A scoring system for ARDS? [letter] Gilston A. **Intensive Care Med** 1986;12(4):335

The diagnosis, pathogenesis, and treatment of adult respiratory distress syndrome. Iannuzzi M, et al. **J Thorac Imaging** 1986 Jul;1(3):1–10 (27 ref.)

AIDS and the adult respiratory distress syndrome [letter] Vevaina JR. **NY State J Med** 1986 Aug;86(8):446–8

[Acute respiratory distress syndrome in adults] Hollender LF, et al. **Chirurgie** 1986;112(6):43–47 (Eng. Abstr.) **(Fre)**

[Acute respiratory insufficiency in adults (letter)] Hasaler D, et al. **Dtsch Med Wochenschr** 1987 Sep 11;112(37):1437 **(Ger)**

[Diagnosis of acute adult respiratory insufficiency] Steppling H. **Dtsch Med Wochenschr** 1987 Jun 26;112(26):1048–50 **(Ger)**

[Clinico-functional and roentgenologic parallels in the respiratory distress syndrome] Gologorskil VA, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):33–7 (Eng. Abstr.) **(Rus)**

[Prognosis and analysis of the dynamic process of development of the shock lung syndrome following terminal states using mathematical methods and a computer] Vrublevskil OP, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):37–40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Volume substitution and treatment with prostaglandin E1 in a porcine model of endotoxaemia–induced pulmonary and cardiovascular failure. Modig J, et al. **Acta Chir Scand** 1987 Mar;153(3):165–70

Treatment with prostaglandin E1 in a porcine model of early adult respiratory distress syndrome. Modig J, et al. **Acta Chir Scand** 1986 Oct;152:569–75

Prevention of lower respiratory herpes simplex virus infection with acyclovir in patients with the adult respiratory distress syndrome. Tuxen DV, et al. **Am Rev Respir Dis** 1987 Aug;136(2):402–5

Effect of aprotinin in adult respiratory distress syndrome. Tuxen DV, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):390–9

Intravenous use of glycopyrrolate in acute respiratory distress due to bronchospastic pulmonary disease. Slovis CM, et al. **Ann Emerg Med** 1987 Aug;16(8):898–900

Treatment of experimental respiratory distress syndrome with dexamethasone, scopolamine and anisodamine in dogs. Guo XJ, et al. **Chin Med J [Engl]** 1986 Apr;99(4):323–32

Indomethacin and dexamethasone decrease oleic acid–induced pulmonary protein leak in rabbits. Butler RR Jr, et al. **Circ Shock** 1986;20(3):217–29

Ibuprofen and methylprednisolone in a pig Pseudomonas ARDS model. Harvey CF, et al. **Circ Shock** 1987; 21(3):175–83

Effect of N-acetylcysteine on pulmonary damage due to microembolism in the rat. Wegener T, et al. **Eur J Respir Dis** 1987 Apr;70(4):205–12

Effect of furosemide on fully established low pressure pulmonary edema. Rusch VW, et al. **J Surg Res** 1986 Aug; 41(2):141–5

Serotonin receptor blockade improves cardiac output and hypoxia in porcine ARDS. Sielaff TD, et al. **J Surg Res** 1987 Aug;43(2):118–27

Effectiveness of prostaglandin E1 in adult respiratory distress syndrome. Shoemaker WC. **Prog Clin Biol Res** 1987; 236A:361–8

A critical comparison of the hematologic, cardiovascular, and pulmonary response to steroids and nonsteroidal anti–inflammatory drugs in a model of sepsis and adult respiratory distress syndrome. Kopolovic R, et al. **Surgery** 1986 Oct;100(4):679–90

Successful treatment of adult respiratory distress syndrome by histamine and prostaglandin blockade in a porcine Pseudomonas model. Sielaff TD, et al. **Surgery** 1987 Aug; 102(2):350–7

ENZYMOLOGY

Biochemical monitoring of the lung during and after extracorporeal circulation. Horpacsy G, et al. **Prog Clin Biol Res** 1987;236A:95–106

Evaluation of the kinin–induced pathomechanisms in the development of ARDS by kallikrein inhibition in vivo. Thetter O, et al. **Prog Clin Biol Res** 1987;236A:127–31

[Variations of the angiotensin converting enzyme in the serum of patients with ARDS during mechanical ventilation. Comparison with a control group] Federici L, et al. **Minerva Anestesiol** 1986 Aug–Sep;52(8–9):251–5 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Adult respiratory distress syndrome after renal transplantation. A case report. Modig J, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):487–9

Thrombosed primary cervical esophageal varices causing acute respiratory distress. Yacono JV. **Am J Gastroenterol** 1987 Jan;82(1):72–3

Nocardia pneumonitis and the adult respiratory distress syndrome. Schulman LL, et al. **Am J Med Sci** 1987 May; 293(5):315–9

Cellular interactions in the multiple organ injury syndrome. Hyers TM, et al. **Am Rev Respir Dis** 1987 Apr;135(4):952–3

Respiratory distress due to diffuse cervical hyperostosis. Sidi J, et al. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):178–81

Adult Still's disease complicated with adult respiratory distress. Hirohata S, et al. **Arch Intern Med** 1986 Dec; 146(12):2409–10

Acute/adult/animal respiratory distress syndrome [editorial] Royston D. **Br J Anaesth** 1986 Nov;58(11):1207–9

Adult respiratory distress syndrome related to antilymphocyte globulin therapy. Dean NC, et al. **Chest** 1987 Apr;91(4):619–20

Adult respiratory distress syndrome and disseminated intravascular coagulation complicating heat stroke. el–Kassimi FA, et al. **Chest** 1986 Oct;90(4):571–4

ARDS following equine ATG therapy [letter] Murdock DK, et al. **Chest** 1987 Sep;92(3):578

Complement activation and corticosteroid therapy in the development of the adult respiratory distress syndrome. Schein RM, et al. **Chest** 1987 Jun;91(6):850–4

Role of the central nervous system in the adult respiratory distress syndrome. de Oliveira GG, et al. **Crit Care Med** 1987 Sep;15(9):844–9

Adult respiratory distress syndrome following orogenital sex during pregnancy. Kaufman BS, et al. **Crit Care Med** 1987 Jul;15(7):703–4

C3a and adult respiratory distress syndrome after massive transfusion. Ketai LH, et al. **Crit Care Med** 1986 Dec; 14(12):1001–3

Adult respiratory distress syndrome associated with acute liver allograft rejection: resolution following hepatic retransplantation. Matuschak GM, et al. **Crit Care Med** 1987 Sep;15(9):878–81

Deadspace ventilation: a significant factor in respiratory failure after thermal inhalation. Stollery DE, et al. **Crit Care Med** 1987 Mar;15(3):260–1

Adult respiratory distress syndrome complicating severely uncontrolled diabetes mellitus: report of nine cases and a review of the literature. Carroll P, et al. **Diabetes Care** 1982 Nov–Dec;5(6):574–80

Evaluation of low dose anaphylatoxic peptides in the pathogenesis of the adult respiratory distress syndrome (ARDS). Monitoring of early C5a effects in a guinea–pig in vivo model after i.v. application. Hoffmann T, et al. **Eur J Clin Invest** 1986 Dec;16(6):500–8

Adult respiratory distress syndrome in Q fever. Torres A, et al. **Eur J Respir Dis** 1987 May;70(5):322–5

Adult respiratory distress syndrome complicating ovarian hyperstimulation syndrome. Zosmer A, et al. **Fertil Steril** 1987 Mar;47(3):524–6

Trauma and pulmonary insufficiency: mediators and modulators of adult respiratory distress syndrome. Yeston NS, et al. **Int Anesthesiol Clin** 1987 Spring;25(1):91–116 (115 ref.)

The management of fractures in the patient with multiple trauma [letter] Wolfgang GL. **J Bone Joint Surg [Am]** 1987 Jan;69(1):152

Localized fibrous mesothelioma in the postpartum period. Rosenthal TC. **J Fam Pract** 1987 Aug;25(2):174–5

Life–threatening postoperative pulmonary complications in patients with previous amiodarone pulmonary toxicity undergoing cardiothoracic operations. Nalos PC, et al. **J Thorac Cardiovasc Surg** 1987 Jun;93(6):904–12

Adult respiratory distress syndrome in adolescents due to aspiration of gastric contents. Brandstetter RD, et al. **NY State J Med** 1986 Oct;86(10):513–6

Adult respiratory distress syndrome. Crocco JA. **NY State J Med** 1986 Oct;86(10):508–10

Pyelonephritis associated with respiratory distress. Pruett K, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):444–6

Complications after liposuction [letter] Dillerud E. **Plast Reconstr Surg** 1987 May;79(5):844–5

Noncardiogenic pulmonary edema caused by decompression sickness: rapid resolution following hyperbaric therapy. Zwirewich CV, et al. **Radiology** 1987 Apr;163(1):81–2

Generation of mediators by limited proteolysis during blood coagulation and fibrinolysis—its pathogenetic role in the adult respiratory distress syndrome (ARDS). Neuhof H, et al. **Resuscitation** 1986 Sep;14(1–2):23–32

The adult respiratory distress syndrome in association with diabetic keto–acidosis. A case report. Botha J, et al. **S Afr Med J** 1987 Apr 18;71(8):535–6

Pulmonary reaction associated with transfusion of plasma containing anti–5b. Nordhagen R, et al. **Vox Sang** 1986; 51(2):102–7

[Experimental studies on the pathogenesis of respiratory distress syndrome in the adult (ARDS)] Cai YZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):361–4, 383–4 (Eng. Abstr.) **(Chi)**

[An experimental study after abdominal aorta clamping in animals under normothermic conditions] Qu D, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):335–7, 381–2 (Eng. Abstr.) **(Chi)**

[The pathogenesis of adult respiratory distress syndrome] Hsu G, et al. **Ma Tsui Hsueh Tsa Chi** 1985 Dec;23(4):212–9 (22 ref.) **(Chi)**

[Acute parenchymal lung failure (adult respiratory distress syndrome) following extra–pulmonary trauma] Jensen AG, et al. **Ugeskr Laeger** 1986 Aug 25;148(35):2228 (Eng. Abstr.) **(Dan)**

[Acute respiratory distress disclosing leptospirosis] Perdrix C, et al. **Ann Fr Anesth Reanim** 1986;5(6):599–600 (Eng. Abstr.) **(Fre)**

[Acute respiratory distress syndrome in chickenpox in 3 healthy adults] Gaussorgues P, et al. **Ann Med Interne (Paris)** 1987;138(4):289–90 (Eng. Abstr.) **(Fre)**

[Acute adult respiratory distress syndrome caused by polymicrotraumatic hemorrhagic alveolitis vegetans (letter)] Gertner J, et al. **Presse Med** 1986 Oct 18; 15(36):1827–8 **(Fre)**

[DF2 septicemia associated with purpura and respiratory distress syndrome in the adult (letter)] Perdrix JP, et al. **Presse Med** 1987 May 30;16(20):1006 **(Fre)**

[Acute pulmonary failure following chest injury] Borchsenius F, et al. **Tidsskr Nor Laegeforen** 1987 May 10; 107(13):1131–3 (Eng. Abstr.) **(Nor)**

[Adult respiratory distress syndrome in burn cases] Wilhelm B, et al. **Arh Hig Rada Toksikol** 1985 Dec;36(4):401–10 (Eng. Abstr.) **(Scr)**

[Adult–type respiratory distress associated with varicella] Pérez–Yarza EG, et al. **An Esp Pediatr** 1987 Feb; 26(2):141–2 **(Spa)**

[Severe respiratory complications in acquired immunodeficiency syndrome] Barberá JA, et al. **Med Clin (Barc)** 1987 Feb 28;88(8):305–10 (Eng. Abstr.) **(Spa)**

[Acute adult respiratory distress syndrome secondary to miliary and bronchogenic pulmonary tuberculosis] Santos Bouza AA, et al. **Rev Clin Esp** 1987 Jun;181(1):19–23 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Pathophysiologic significance of lung granulocytes in human adult respiratory distress syndrome induced by septic or traumatic shock. Modig J, et al. **Acta Chir Scand** 1987 Apr; 153(4):267–71

Complement activation and increased alveolar–capillary permeability after major surgery and in adult respiratory distress syndrome. Hallgren R, et al. **Crit Care Med** 1987 Mar;15(3):189–93

Immunopathologic role of complement activation in adult respiratory distress syndrome secondary to Plasmodium falciparum malaria [letter] Lancon JP, et al. **Crit Care Med** 1987 Apr;15(4):339

Complement depletion in a porcine model of septic acute respiratory disease. Dehring DJ, et al. **J Trauma** 1987 Jun; 27(6):615–25

Neutrophil protease enzymes and oxygen free radicals as mediators of pulmonary membrane damage. Westaby S. **Prog Clin Biol Res** 1987;236A:75–86

[Significance of neutrophilic granulocytes in the development of post–traumatic lung failure] Regel G, et al. **Unfallchirurg** 1987 Mar;90(3):99–106 (Eng. Abstr.) **(Ger)**

METABOLISM

Depressed prostaglandin E1 and 5–hydroxytryptamine removal in patients with adult respiratory distress syndrome. Gillis CN, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):739–44

Neutrophil function in a rat model of endotoxin–induced lung injury. Simons RK, et al. **Arch Surg** 1987 Feb; 122(2):197–203

Angiotensin converting enzyme in bronchoalveolar lavage in ARDS. Idell S, et al. **Chest** 1987 Jan;91(1):52–6

The concept of a critical oxygen delivery. Schumacker PT, et al. **Intensive Care Med** 1987;13(4):223–9 (52 ref.)

Protein permeability in the adult respiratory distress syndrome. Loss of size selectivity of the alveolar epithelium. Holter JF, et al. **J Clin Invest** 1986 Dec; 78(6):1513–22

Acute effects of oleic acid–induced lung injury in baboons. Collins JF, et al. **Lung** 1986;164(5):259–68

Crossed immunoelectrophoretic analysis of ARDS lavage proteins. Emmett M, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):83–91

Generation of leukotrienes in polytraumatic patients with adult respiratory distress syndrome (ARDS). Knöller J, et al. **Prog Clin Biol Res** 1987;236A:311–6

Phospholipid lung profile in adult respiratory distress syndrome—evidence for surfactant abnormality. Pison U, et al. **Prog Clin Biol Res** 1987;236A:517–23

Oxygen radicals and lipid peroxidation in experimental shock. Till GO, et al. **Prog Clin Biol Res** 1987;236A:235–43 (26 ref.)

MORTALITY

Fluid balance and the adult respiratory distress syndrome. Simmons RS, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):924–9

The prognosis of the adult respiratory distress syndrome. Inappropriate pessimism? [editorial] Rinaldo JE. **Chest** 1986 Oct;90(4):470–1

Influence of end–stage liver failure on survival during multiple systems organ failure. Matuschak GM, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):40–6

PATHOLOGY

Adult respiratory distress syndrome. A live E coli septic primate model. Hangen DH, et al. **Am J Pathol** 1987 Feb;

126(2):396–400
Eosinophil activation in the lung is related to lung damage in adult respiratory distress syndrome. Hällgren R, et al. **Am Rev Respir Dis** 1987 Mar;135(3):639–42
Adult respiratory distress syndrome: evidence of early fibrogenesis and absence of glucocorticoid receptors. Auler Júnior JO, et al. **Eur J Respir Dis** 1986 Oct;69(4):261–9
Prolonged extracorporeal CO2-removal in severe adult respiratory distress syndrome. Neuropathological observations in two cases. Krajewski S, et al. **Intensive Care Med** 1967;13(1):26–9
Miliary tuberculosis and adult respiratory distress syndrome. Piqueras AR, et al. **Intensive Care Med** 1987;13(3):175–82
Whole body inflammation in trauma patients; an autopsy study. Nuytinck HK, et al. **Prog Clin Biol Res** 1987; 236A:55–61
Quantitative estimation of leukostasis in the posttraumatic lung—canine and human autopsy data. Redl H, et al. **Prog Clin Biol Res** 1987;236A:43–53
[The adult respiratory distress syndrome] Haškovcová I. **Cesk Patol** 1986 Nov;22(4):222–30 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Pulmonary function, extravascular lung water and chest radiography in a porcine model of adult respiratory distress syndrome. Forsgren P, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):463–9
Lung mechanics with relation to pulmonary haemodynamics, gas exchange and extravascular lung water in mechanically ventilated endotoxaemic pigs. Forsgren P, et al. **Acta Chir Scand** 1986 Oct;152:561–8
Prediction of pulmonary function abnormalities after adult respiratory distress syndrome (ARDS). Elliott CG, et al. **Am Rev Respir Dis** 1987 Mar;135(3):634–8
The role of platelets in the adult respiratory distress syndrome. Culprits or bystanders? Heffner JE, et al. **Am Rev Respir Dis** 1987 Feb;135(2):482–92
Alveolar macrophage function in a canine model of endotoxin-induced lung injury. Jacobs RF, et al. **Am Rev Respir Dis** 1986 Oct;134(4):745–51
Vascular components of ARDS. Clinical pulmonary hemodynamics and morphology. Zapol WM, et al. **Am Rev Respir Dis** 1987 Aug;136(2):471–4
Complement-mediated neutrophil activation in sepsis- and trauma-related adult respiratory distress syndrome. Clarification with radioaerosol lung scans. Tennenberg SD, et al. **Arch Surg** 1987 Jan;122(1):26–32
Air transportation of patients with acute respiratory failure: theory. Grant BJ, et al. **Aviat Space Environ Med** 1987 Jul;58(7):645–51
Effect of intrinsic positive end-expiratory pressure on respiratory compliance. Caviedes I, et al. **Crit Care Med** 1986 Nov;14(11):947–9
Evaluation of prognostic indices based on hemodynamic and oxygen transport variables in shock patients with adult respiratory distress syndrome. Hankeln KB, et al. **Crit Care Med** 1987 Jan;15(1):1–7
A clinical study of the adult respiratory distress syndrome. Mancebo J, et al. **Crit Care Med** 1987 Mar;15(3):243–6
Twenty-four hour energy expenditure in critically ill patients. Swinamer DL, et al. **Crit Care Med** 1987 Jul; 15(7):637–43
Increased pulmonary alveolar-capillary permeability in patients at risk for adult respiratory distress syndrome. Tennenberg SD, et al. **Crit Care Med** 1987 Apr; 15(4):289–93
Receptor-mediated ingestion responses by lung macrophages from a canine model of ARDS. Tabor DR, et al. **J Leukocyte Biol** 1987 Jun;41(6):539–43
Pathophysiology of multiple organ failure with "sepsis"Goris RJ. **Med Klin** 1987 Jul 17;82(15–16):546–7
Extravascular lung water and pulmonary artery pressure with acute respiratory failure—effect of ketanserin administration. Heinrichs W, et al. **Prog Clin Biol Res** 1987; 236B:153–9
Reaction pattern of alveolar cells in the posttraumatic lung failure. Joka T, et al. **Prog Clin Biol Res** 1987;236A:509–15
On the pathogenesis of adult respiratory distress syndrome—the role of anaphylatoxins, leukotrienes and platelet activating factor. Pison U, et al. **Prog Clin Biol Res** 1987;236A:317–26
The pulmonary and systemic response to recurrent endotoxemia in the adult sheep. Demling RH, et al. **Surgery** 1986 Nov;100(5):876–83
The adult respiratory distress syndrome. Biondi JW, et al. **Yale J Biol Med** 1986 Nov–Dec;59(6):575–97 (123 ref.)
[Changes in pulmonary arterial pressure during acute respiratory distress syndrome caused by injection of oleic acid in rabbits] Ni H, et al. **Sheng Li Hsueh Pao** 1986 Jun; 38(3):293–9 (Eng. Abstr.) **(Chi)**
[Organ function disorders at a distance: "where there's smoke there's fire"] te Boekhorst TP, et al. **Ned Tijdschr Geneeskd** 1987 Jan 3;131(1):3–5 **(Dut)**
[Adult respiratory distress syndrome] Kira S. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1058–63 **(Jpn)**

PREVENTION & CONTROL

Intermittent and continuous positive-pressure ventilation in the prophylaxis of endotoxin-induced lung insufficiency. A study in pigs. Borg T, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):67–72
Increasing influenza vaccination among high-risk elderly: a randomized controlled trial of a mail cue in an HMO setting. Mullooly JP. **Am J Public Health** 1987 May; 77(5):626–7
The effects of prostaglandin E1 on the adult respiratory distress syndrome in septic primates. Brockmann DC, et al. **Am Rev Respir Dis** 1986 Nov;134(5):885–90
A phospholipase inhibitor modifies the pulmonary damage associated with peritonitis in rabbits. Tighe D, et al. **Intensive Care Med** 1987;13(4):284–90
Prevention of ARDS and MOF by prophylactic mechanical ventilation and early fracture stabilisation. Goris RJ. **Prog Clin Biol Res** 1987;236B:163–73
[The protective effect of ibuprofen on an experimental model of adult respiratory distress syndrome] Hsu K, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Jul;85(7):694–701 (Eng. Abstr.) **(Chi)**

RADIOGRAPHY

Medical imaging in critical care units. **J Thorac Imaging** 1986 Jul;1(3):1–90
Adult respiratory distress syndrome profiles by computed tomography. Gattinoni L, et al. **J Thorac Imaging** 1986 Jul;1(3):25–30
Adult respiratory distress syndrome: acute alveolar damage. Greene R. **Radiology** 1987 Apr;163(1):57–66

RADIONUCLIDE IMAGING

99mTc-fibrinogen scanning in adult respiratory distress syndrome. Quinn DA, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):100–6
Beta-2-adrenoceptor agonists as inhibitors of lung vascular permeability to radiolabelled transferrin in the adult respiratory distress syndrome in man. Basran GS, et al. **Eur J Nucl Med** 1986;12(8):381–4
Perfusion lung imaging in the adult respiratory distress syndrome. Pistolesi M, et al. **J Thorac Imaging** 1986 Jul; 1(3):11–24
Albumin lung/heart ratio change. A simple clinical means of documenting increased pulmonary endothelial permeability to protein. Mishkin FS, et al. **JAMA** 1987 Feb 20;257(7):953–6

SURGERY

Carbon dioxide excretion via bronchopleural fistulas in adult respiratory distress syndrome. Bishop MJ, et al. **Chest** 1987 Mar;91(3):400–2

THERAPY

Pressure characteristics of the Ambu CPAP system and the Servo ventilator 900C in CPAP mode. Zetterström H, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):104–10
Acute carbon monoxide poisoning during pregnancy. Margulies JL. **Am J Emerg Med** 1986 Nov;4(6):516–9
Effect of positive end-expiratory pressure on right and left ventricular function in patients with the adult respiratory distress syndrome. Potkin RT, et al. **Am Rev Respir Dis** 1987 Feb;135(2):307–11
Ventilatory impact of partial extracorporeal CO2 removal (PECOR) in ARF patients. Marcolin R, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):508–10
Adult respiratory distress syndrome and its management. McDonnell TJ, et al. **Compr Ther** 1987 Jul;13(7):33–40
Mechanical ventilation with positive end-expiratory pressure decreases release of alpha-atrial natriuretic peptide. Leithner C, et al. **Crit Care Med** 1987 May;15(5):484–8
Comparison of high-frequency jet ventilation to conventional ventilation in adults with respiratory distress syndrome. Holzapfel L, et al. **Intensive Care Med** 1987;13(2):100–5
The role of high-frequency ventilation in post-traumatic respiratory insufficiency. Hurst JM, et al. **J Trauma** 1987 Mar;27(3):236–42
Effects of surfactant replacement on respiratory failure induced by free oxygen radicals. Lachmann B, et al. **Prog Clin Biol Res** 1987;236B:305–13
Current concepts in the management of the adult respiratory distress syndrome. Weigelt JA. **World J Surg** 1987 Apr; 11(2):161–6 (30 ref.)
[Relations between pathogenesis and therapy in adult respiratory distress syndrome (ARDS)] Wan D. **Chung Hua Nei Ko Tsa Chih** 1986 Jun;25(6):365–7 (11 ref.) **(Chi)**
[ARDS following amniotic fluid embolism. Case report of successful long-term intensive therapy] Deller A, et al. **Anaesthesist** 1987 Jan;36(1):34–8 (Eng. Abstr.) **(Ger)**
[Therapy of acute adult respiratory insufficiency] Stepplin H. **Dtsch Med Wochenschr** 1987 Jun 26;112(26):1051–3 **(Ger)**
[Hemofiltration for the reduction of lung fluid in ARDS?] Laggner AN, et al. **Schweiz Med Wochenschr** 1987 Mar 21;117(12):445–9 (Eng. Abstr.) **(Ger)**

RESPIRATORY DRUG ADMINISTRATION see **ADMINISTRATION, INHALATION**

RESPIRATORY ENTERIC ORPHAN VIRUS see **REOVIRIDAE**

RESPIRATORY FAILURE see **RESPIRATORY INSUFFICIENCY**

RESPIRATORY FUNCTION TESTS

Respiratory monitoring and treatment: objective treatments using non-invasive measurements. Fallat RJ, et al. **Adv Exp Med Biol** 1987;209:191–200
Evaluation of a metered-dose aerosol delivery system using partial flow-volume curves. Fairshter RD. **Am Rev Respir Dis** 1987 Mar;135(3):741–3
Spirometry: quantitative test criteria and test acceptability. Glindmeyer HW, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):449–52
Effects of distention of the preterm fetal lamb lung on lung function with ventilation. Ikegami M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):600–6
The role of exercise testing in impairment evaluation. Oren A, et al. **Am Rev Respir Dis** 1987 Jan;135(1):230–5
A dose-responsive model of smoke inhalation injury. Severity-related alteration in cardiopulmonary function. Shimazu T, et al. **Ann Surg** 1987 Jul;206(1):89–98
Maximal respiratory pressures and pulmonary function in male runners. Cordain L, et al. **Br J Sports Med** 1987 Jun; 21(2):18–22
Physiologic categorization of asbestos-exposed workers. Harber P, et al. **Chest** 1987 Sep;92(3):494–9
CT of the lung parenchyma and the pulmonary function test. Sider L, et al. **Chest** 1987 Sep;92(3):406–10
Recovery of ventilation distributions by gas wash-out of a mechanical pump. Buchanan PR, et al. **Clin Phys Physiol Meas** 1986 Aug;7(3):237–52
Office-based assessment of pulmonary function. Huml J, et al. **Compr Ther** 1987 Jul;13(7):14–7
Comparison of ventilators and tubing circuits [letter] Hagus CK, et al. **Crit Care Med** 1987 Jul;15(7):710
A longitudinal study of symptoms and respiratory function tests in iron miners. Pham QT, et al. **Eur J Respir Dis** 1986 Nov;69(5):346–54
Regional lung function in long-term survivors after chemotherapy for small cell lung cancer. Sørensen PG, et al. **Eur J Respir Dis** 1987 Jan;70(1):44–8
Tests of small airway dysfunction: their correlation with the "conventional" lung function tests.Teculescu DB, et al. **Eur J Respir Dis** 1986 Sep;69(3):175–87
Flow volume curve: the "saw-tooth" sign [editorial]Zamel N. **Eur J Respir Dis** 1986 Aug;69(2):73–4
Continuity of care in asthma management. Cherniack RM. **Hosp Pract [Off]** 1987 Sep 15;22(9):119–26, 135–6, 141–3
Changes in cardiorespiratory function during gastric lavage for drug overdose. Thompson AM, et al. **Hum Toxicol** 1987 May;6(3):215–8
Non-invasive measurement of respiratory mechanics in ICU patients. Milic-Emili J, et al. **Int J Clin Monit Comput** 1987; 4(1):11–20
Common cold should be taken into account in epidemiological studies on pulmonary function, even in the absence of symptoms or signs [letter] Teculescu DB, et al. **Int J Epidemiol** 1986 Sep;15(3):433–4
Pulmonary functions and respiratory symptoms and diseases among adult Israelis. Variations by country of origin. Goren AI, et al. **Isr J Med Sci** 1986 Nov;22(11):761–5
Decline in children's pulmonary function during an air pollution episode. Dassen W, et al. **J Air Pollut Control Assoc** 1986 Nov;36(11):1223–7
Lack of acute effects of ascorbic acid on spirometry and airway responsiveness to histamine in subjects with asthma. Malo JL, et al. **J Allergy Clin Immunol** 1986 Dec; 78(6):1153–8
Inhalation methods for the study of airway responsiveness. Townley RJ, et al. **J Allergy Clin Immunol** 1987 Aug; 80(2):111–24
Respiratory phase detection and delay determination for breath-by-breath analysis. Boutellier U, et al. **J Appl Physiol** 1987 Feb;62(2):837–43
Pulmonary function tests in acute bronchitis: evidence for reversible airway obstruction. Williamson HA Jr. **J Fam Pract** 1987 Sep;25(3):251–6
Childhood sequelae of infant lung disease: exercise and pulmonary function abnormalities after bronchopulmonary dysplasia. Bader D, et al. **J Pediatr** 1987 May;110(5):693–9
Pulmonary function after lobectomy in children under ten years of age. Nonoyama A, et al. **Jpn J Surg** 1986 Nov; 16(6):425–34
Respiratory system mechanics in ventilated patients: techniques and indications. Hubmayr RD, et al. **Mayo Clin Proc** 1987 May;62(5):358–68
The temporary unilateral bronchial occlusion with fiberoptic bronchoscope in patients undergoing lung resection. Consigli GF, et al. **Panminerva Med** 1986 Jul–Sep; 28(3):255–7
Total respiratory compliance and functional residual capacity in young children. Greenough A, et al. **Pediatr Pulmonol** 1986 Nov–Dec;2(6):321–6
Pulmonary function tests and mortality. Wise RA. **Proc Annu Meet Med Sect Am Counc Life Insur** 1986;:81–8
Chronic beryllium disease: diagnosis, radiographic findings, and correlation with pulmonary function tests. Aronchick JM, et al. **Radiology** 1987 Jun;163(3):677–82
Learning effects, variation during office hours and reproducibility of static and dynamic spirometry. Larsson K, et al. **Respiration** 1987;51(3):214–22
Number of patients required in lung function studies. Davison

AG, et al. **Thorax** 1986 Nov;41(11):830–2
[Respiratory function tests in pneumologic practice] **Rev Mal Respir** 1986;3(6):323–466 **(Fre)**
[Technics for measuring pressure, flow and volume in respiratory function tests] Duvivier C, et al. **Rev Mal Respir** 1986;3(6):449–56 **(Fre)**
[Respiratory function tests in children] Gaultier C, et al. **Rev Mal Respir** 1986;3(6):431–6 **(Fre)**
[Respiratory evaluations during sleep] Krieger J, et al. **Rev Mal Respir** 1986;3(6):443–8 **(Fre)**
[Tests of reversibility of bronchial obstruction] Meslier N, et al. **Rev Mal Respir** 1986;3(6):355–60 **(Fre)**
[Respiratory function tests in resuscitation] Muir JF, et al. **Rev Mal Respir** 1986;3(6):437–41 **(Fre)**
[Reference values. Critical use] Orvoen-Frija E, et al. **Rev Mal Respir** 1986;3(6):457–61 **(Fre)**
[Practical approach to respiratory function tests] Sergysels R, et al. **Rev Mal Respir** 1986;3(6):463–6 **(Fre)**
[Body plethysmography] Stănescu DC, et al. **Rev Mal Respir** 1986;3(6):333–40 **(Fre)**
[Exercise tests in pneumonologic practice] Van Meerhaeghe A, et al. **Rev Mal Respir** 1986;3(6):413–20 **(Fre)**
[The exercise test in pulmonology] Leuenberger P. **Schweiz Med Wochenschr** 1987 Jan 17;117(3):91–5 (Eng. Abstr.) **(Fre)**
[Clinico-functional studies in patients with bird fancier's lung] Pielesch W, et al. **Z Erkr Atmungsorgane** 1987; 168(1):25–8 (Eng. Abstr.) **(Ger)**
[Dose-response relations of dust exposure and lung function in foundry workers] Schneider WD, et al. **Z Gesamte Hyg** 1986 Nov;32(11):688–92 **(Ger)**
[Functional significance of lung siderosis in electrode welders] Schneider WD, et al. **Z Gesamte Inn Med** 1987 Mar 1;42(5):126–30 (Eng. Abstr.) **(Ger)**
[New units of measurement of respiratory physiology. I. A graphic method of converting the traditional units of pressure to the units of the SI system] Cieszyński OK, et al. **Pneumonol Pol** 1986 Jun;54(6):252–4 (Eng. Abstr.) **(Pol)**
[Pulmonary function in 35 patients with paracoccidioidomycosis] Campos EP, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):330–6 (Eng. Abstr.) **(Por)**
[Mass-spectrometric gas analysis in the detection of risk factors in children with chronic bronchopulmonary diseases] Dolina OA, et al. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):3–4 (Eng. Abstr.) **(Rus)**
[Study of the functional state of the lungs in an intensive care unit] Lebedeva RN, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):20–3 (Eng. Abstr.) **(Rus)**
[The lateral test in the complex evaluation of respiratory function in lung cancer patients] Shekhonina DA. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):53–4 (Eng. Abstr.) **(Rus)**
[Functional evaluation of the patient with dyspnea] Ancić P. **Rev Med Chil** 1986 Apr;114(4):375–80 (Eng. Abstr.) **(Spa)**
[Respiratory function tests in non-pulmonary diseases] Farga V, et al. **Rev Med Chil** 1986 Feb;114(2):174–6 **(Spa)**

INSTRUMENTATION

Evaluation of differential linear transformers as a non-invasive ventilatory method in supine subjects [published erratum appears in Bull Eur Physiopathol Respir 1987 Jan–Feb;23(1):102] Mathieu M, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):479–82
A simple low-resistance flap valve for pulmonary ventilation studies. Ghosh SK, et al. **Clin Phys Physiol Meas** 1986 Aug;7(3):253–8
Chronic respiratory disease, chronic bronchitis, field screening and tools for documentation [letter] Malik SK. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar;28(1):52–3
Equipment to condition inspired air over a wide temperature and humidity range for a hyperventilation challenge for asthmatics. Mussell MJ, et al. **Med Biol Eng Comput** 1986 Sep;24(5):499–505
Lung function and within-breath changes in resistance in patients who have had a laryngectomy. Davidson RN, et al. **Q J Med** 1986 Aug;60(232):753–62
[French survey on anesthesia systems and peroperative respiratory monitoring equipment] Bourgain JL, et al. **Ann Fr Anesth Reanim** 1986;5(5):518–23 (Eng. Abstr.) **(Fre)**
[Use of a personal computer system at a cardio-pulmonary function laboratory for text processing, graphics and statistics] Reiterer W. **Wien Med Wochenschr** 1986 Nov 30;136(21–22):572–80 (Eng. Abstr.) **(Ger)**
[Estimation of anti IgE-induced asthma in guinea pigs by the use of Mead's apparatus, and its application in the examination of disodium cromoglycate] Ito K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1240–6 (Eng. Abstr.) **(Jpn)**
[The Pulmo-01 automated microprocessor system for testing external respiratory function] Georgiev G, et al. **Med Tekh** 1987 Mar–Apr;(2):18–22 (Eng. Abstr.) **(Rus)**

METHODS

Continuous measurement of oxygen uptake. Evaluation of the Engström metabolic computer and clinical experiences. Behrendt W, et al. **Acta Anaesthesiol Scand** 1987 Jan; 31(1):10–4
Bronchomotor tone and the slope of phase III of the N2-test. Olofsson J, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):489–94
Cardiopulmonary exercise testing in clinical practice. Weber KT, et al. **Cardiology** 1987;74(1):62–70 (14 ref.)
Computerized single-breath nitrogen washout in children: variability and reproducibility. Teculescu DB, et al. **Clin Physiol** 1987 Jun;7(3):247–59
Microcomputer-based system to calculate respiratory impedance from forced random noise data. Pelle G, et al. **Med Biol Eng Comput** 1986 Sep;24(5):541–4
[New approach to traumatic quadriplegia: diaphragmatic electromyography] Lozes G, et al. **Ann Chir** 1986 May; 40(4):260–5 (Eng. Abstr.) **(Fre)**
[Oscillation method in the diagnosis of respiratory function in adults—classification and possibilities for optimization. 1. Basic problems and introduction to the method] Pleger E. **Z Erkr Atmungsorgane** 1987;168(1):83–8 (Eng. Abstr.) **(Ger)**
[Cardiopulmonary exercise testing—rationale, objectives and methods] Inbar O, et al. **Harefuah** 1987 Mar 1;112(5):232–8 (27 ref.) **(Heb)**
[Standard values and prediction equations for respiratory function measurements. (II)—Flow-volume curve measurements in healthy Japanese] Junko F, et al. **Kokyu To Junkan** 1986 Jun;34(6):673–9 (Eng. Abstr.) **(Jpn)**
[Development of an automated system for assessing respiratory gas exchange—by mixing chamber method] Yasuda Y, et al. **Kokyu To Junkan** 1987 Jun;35(6):631–8 (Eng. Abstr.) **(Jpn)**
[Use of computers to assess the respiratory system during work capacity evaluation of patients with dust-induced bronchitis] Mal'tseva LM, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):24–7 (Eng. Abstr.) **(Rus)**

STANDARDS

Reproducibility of the multiple inert gas elimination technique. Wagner PD, et al. **J Appl Physiol** 1987 Apr; 62(4):1740–6

VETERINARY

Calibration of respiratory inductive plethysmography in spontaneously breathing lambs and piglets. Warren RH, et al. **J Dev Physiol** 1986 Aug;8(4):255–8
[Measurement of specific airway conductance in the unanesthetized guinea pig] Macquin-Mavier I, et al. **J Pharmacol** 1986 Jul–Sep;17(3):355–60 **(Fre)**

RESPIRATORY HYPERSENSITIVITY

Allergy and pulmonary medicine. A natural union [letter] León I. **Chest** 1987 Apr;91(4):638
Chronic allergic airway disease in the sheep model: functional and lung-lavage features. Bossé J, et al. **J Allergy Clin Immunol** 1987 Feb;79(2):339–44

CHEMICALLY INDUCED

Isocyanate-induced respiratory disease. Banks DE, et al. **Ann Allergy** 1986 Dec;57(6):389–96 (43 ref.)
Drug-induced pulmonary disease. Cooper JA Jr, et al. **Dis Mon** 1987 Feb;33(2):61–120 (180 ref.)
Antigenic challenge via the airway alters the permeability of the trachea in sensitized rats. Carswell F, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):465–7
Occupational allergic lung disease caused by organic agents. Pepys J. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 2):1058–62
A model of immunologic lung injury induced by trimellitic anhydride inhalation: antibody response. Zeiss CR, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):59–63
Bathtub refinishers' lung. **J Occup Med** 1987 May; 29(5):399–400
[Metals and plastics as causes of disease] de Kort WL, et al. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1201–3 **(Dut)**
[Approach to the evaluation of the sensitizing effect of complex atmospheric pollution] Etlin SN, et al. **Gig Sanit** 1986 Aug;(8):24–7 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Experimental allergic conjunctivitis in inbred guinea pig strains with high respectively low bronchial allergic reactivity. Lundberg L, et al. **Allergy** 1987 May; 42(4):262–71
Nasal allergy: a risk factor for middle ear disease. Fireman P. **Ann Allergy** 1987 Jun;58(6):395–400 (27 ref.)
Respiratory symptoms and bronchial reactivity [letter] Annesi I, et al. **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1237–8
Evaluation of non-specific bronchial hyperreactivity in different respiratory diseases. Melillo G, et al. **Eur J Respir Dis [Suppl]** 1986;147:282–5
Allergy induced eustachian tube and middle ear pathophysiology. Fireman P. **New Engl Reg Allergy Proc** 1986 May–Jun;7(3):246–52 (22 ref.)
[Chronic cough and bronchial hyperreactivity] Zellweger JP. **Schweiz Rundsch Med Prax** 1987 Apr 7;76(15):392–6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Skin testing and respiratory allergic disorders [editorial] Agarwal MK. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec; 28(4):179–82
Inhalation methods for the study of airway responsiveness. Townley RJ, et al. **J Allergy Clin Immunol** 1987 Aug; 80(2):111–24
Allergic Aspergillus sinusitis: concepts in diagnosis and treatment of a new clinical entity. Waxman JE, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):261–6
Clinical characteristics and methacholine sensitivity in patients with suspected bronchial asthma. Johnson KT, et al. **Wis Med J** 1987 Apr;86(4):17–9
A study of clinical correlations between skin test, radioallergosorbent test and bronchial provocation test in house dust asthmatics. Hong CS, et al. **Yonsei Med J** 1987; 28(1):6–17
[Rhinomanometry study of patients with respiratory allergy] Ghaem A, et al. **Bull Eur Physiopathol Respir** 1986 Sep–Oct;22(5):443–9 (Eng. Abstr.) **(Fre)**
[Diagnosis of respiratory allergies to fungi and Candida albicans] Rancourt MF, et al. **Rev Pneumol Clin** 1986; 42(4):183–6 (Eng. Abstr.) **(Fre)**
[Review of diagnostic methods in allergy] Pécoud A. **Schweiz Med Wochenschr** 1987 Feb 14;117(7):252–5 (Eng. Abstr.) **(Fre)**
[Value of the basophil stimulation test in the diagnosis of juvenile bronchial asthma] Kusenbach G, et al. **Klin Padiatr** 1986 Sep–Oct;198(5):395–400 (Eng. Abstr.) **(Ger)**
[Sensitivity and specificity of the occlusion pressure method in measuring airway resistance compared to whole body plethysmography, studies within the scope of inhalative provocation tests] Wönne R, et al. **Monatsschr Kinderheilkd** 1987 Feb;135(2):103–6 (Eng. Abstr.) **(Ger)**
[Respiratory volume flow controlled total occlusion method, a new principle for measuring bronchial resistance] Bachert C, et al. **Prax Klin Pneumol** 1987 Apr;41(4):129–31 (Eng. Abstr.) **(Ger)**
[A simplified methacholine test in the detection of bronchial hyperreactivity] Gonsior E, et al. **Prax Klin Pneumol** 1987 Apr;41(4):136–42 (Eng. Abstr.) **(Ger)**
[ENT medical aspects in bronchial asthma in childhood] Müller H, et al. **Z Erkr Atmungsorgane** 1987;168(1):66–70 (Eng. Abstr.) **(Ger)**
[Usefulness of total and specific IgE in the diagnosis of respiratory allergy] Vila Justribo M, et al. **Allergol Immunopathol (Madr)** 1986 Sep–Oct;14(5):393–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Studies on the anti-allergic action of N-(3',4'-dimethoxycinnamoyl) anthranilic acid (N-5'). Hamel R, et al. **Allergy** 1987 May;42(4):284–90
Allergic angiitis of Churg and Strauss syndrome. Response to pulse methylprednisolone. MacFadyen R, et al. **Chest** 1987 Apr;91(4):629–31
Effect of capsaicin on bronchial reactivity and inflammation in sensitized adult rats. Alving K, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):377–9
Late phase reactions. Kaliner MA. **New Engl Reg Allergy Proc** 1986 May–Jun;7(3):236–40 (27 ref.)
Treatment of upper and lower airway disease with azelastine. Perhach JL, et al. **New Engl Reg Allergy Proc** 1987 Mar–Apr;8(2):121–4
[Possibilities and impossibilities in the treatment of young children with CARA] van Aalderen WM, et al. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2337–40 **(Dut)**
[Beta-2 specificity of bronchially active sympathomimetics using capillary laser Doppler sonography exemplified by tulobuterol] Jorde W, et al. **Prax Klin Pneumol** 1987 Apr; 41(4):132–5 (Eng. Abstr.) **(Ger)**
[Comparison of the anti-allergic and anti-asthmatic effects of SM 857 (Doqualast) and DNCG] Wiessmann KJ, et al. **Prax Klin Pneumol** 1987 Feb;41(2):45–8 (Eng. Abstr.) **(Ger)**
[Protective effect of Sm 857 (Doqualast) in allergic bronchial asthma] Wiessmann KJ, et al. **Prax Klin Pneumol** 1986 Nov; 40(11):442–7 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Elevated mononuclear leukocyte phosphodiesterase in allergic dogs with and without airway hyperresponsiveness. Hirshman CA, et al. **J Allergy Clin Immunol** 1987 Jan; 79(1):46–53

ETIOLOGY

House dust mite asthma in China: a review. Chien YK, et al. **Ann Allergy** 1987 Aug;59(2):147–8 (8 ref.)
Allergy to house dust and storage mites in children: epidemiologic observations. Di Berardino L, et al. **Ann Allergy** 1987 Aug;59(2):104–6
Hypersensitivity pneumonitis from home mist machine after laryngectomy. Myers CB, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):667–8
Respiratory effects of occupational exposure to tobacco dust. Viegi G, et al. **Br J Ind Med** 1986 Dec;43(12):802–8

Epidemiological approach to bronchial responsiveness. Clough JB, et al. **Clin Allergy** 1987 Jul;17(4):265–9 (35 ref.)
Bronchial hyperresponsiveness in two populations of Australian schoolchildren. III. Effect of exposure to environmental allergens. Peat JK, et al. **Clin Allergy** 1987 Jul;17(4):291–300
Bronchial hyperresponsiveness in two populations of Australian schoolchildren. II. Relative importance of associated factors. Peat JK, et al. **Clin Allergy** 1987 Jul; 17(4):283–90
Methods of analysis of occupational lung disease. Patterson R, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 2):1063–6
Smoking and ethylene diamine sensitization in an industrial population. Aldrich FD, et al. **J Occup Med** 1987 Apr; 29(4):311–4
Respiratory effects of mesquite broiling. Johns RE Jr, et al. **J Occup Med** 1986 Nov;28(11):1181–84
Allergy to laboratory animals in health care personnel. Bland SM, et al. **State Art Rev Occup Med** 1987 Jul–Sep; 2(3):525–46 (50 ref.)
[The air passages and air pollution] Kreukniet J. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1163–6 **(Dut)**
[House dust mites (Astigmata; Pyroglyphidae): incidence in domestic housing and results of in vitro cultivation] Schulz KH, et al. **Dermatol Monatsschr** 1987;173(4):183–9 (Eng. Abstr.) **(Ger)**
["Aquarium" allergy: bronchial asthma caused by polyvalent sensitization to various components in fish food] Dietschi R, et al. **Hautarzt** 1987 Mar;38(3):160–1 (Eng. Abstr.) **(Ger)**
[Role of environmental pollution in the development of allergic diseases and health risk in humans] Gumińska M. **Folia Med Cracov** 1986;27(3–4):281–92 (Eng. Abstr.) **(Pol)**
[Pathogenetic and clinical aspects of occupational allergy] Marek K. **Folia Med Cracov** 1986;27(3–4):347–56 (Eng. Abstr.) **(Pol)**
[Allergy in otorhinolaryngology] Olszewski E, et al. **Folia Med Cracov** 1986;27(3–4):293–8 (Eng. Abstr.) **(Pol)**
[Mites (Acaridae) as a possible cause of upper respiratory diseases in grain elevator operators] Humiczewska M. **Med Pr** 1987;38(1):72–8 (Eng. Abstr.) **(Pol)**
[Occupational allergies in workers handling poultry products] Eglite ME. **Gig Tr Prof Zabol** 1987 Jun;(6):9–12 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Comparative evaluation of the multiple RAST and discrete RAST for inhalant allergy. De Clerck LS, et al. **Allergy** 1986 Jul;41(5):327–30
Nasopharyngeal carcinoma and nasal allergy [letter] Raman R. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):438
SO2-induced bronchopathy decreases airway sensitization with intratracheal ovalbumin in the rat. Touaty E, et al. **Bull Eur Physiopathol Respir** 1986 Jul–Aug;22(4):329–33
T-lymphocyte subpopulations in patients with respiratory allergy [letter] Vila Justribo M, et al. **Chest** 1987 Feb; 91(2):287
Immunologic response to aerosols of affinity-purified antigen in hypersensitivity pneumonitis. Stricker WE, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):411–6
Responses of human airways to inhaled chemicals. Patterson R, et al. **New Engl Reg Allergy Proc** 1985 Summer; 6(3):238–40
Nasal and bronchial IgE in allergic and intrinsic patients. Crimi E, et al. **Panminerva Med** 1986 Apr–Jun;28(2):93–6
Assessment of IgE serum levels in lung cancer patients. Osella D, et al. **Panminerva Med** 1987 Jan–Mar;29(1):23–5
Roles of leukotrienes in two rat allergic inflammatory models; IgE-mediated and IgG-antigen complex-induced pleurisies. Tanaka K, et al. **Prostaglandins** 1986 Jun; 31(6):1099–116
In vitro histamine release from nasal mucosa upon bacterial antigens. Baenkler HW, et al. **Rhinology** 1987 Mar; 25(1):17–22
[Risk indicators in reagin allergy. III. IgE specificities and family history. Description of a genetic index for sorting patients for studying constitutional markers] De Montis G. **Ann Med Interne (Paris)** 1986;137(7):579–83 (Eng. Abstr.) **(Fre)**
[Allergy to Hymenoptera venoms (wasps and bees)] Duc J, et al. **Rev Med Suisse Romande** 1986 Oct;106(10):885–8 **(Fre)**
[Immunopathology of the upper respiratory tract] König W, et al. **Arch Otorhinolaryngol [Suppl]** 1987;1:1–84 (406 ref.) **(Ger)**
[Mast cells and asthma] Nolte D. **Med Klin** 1986 Aug 22; 81(17):581–2 **(Ger)**
[Sensitization to the mites Dermatophagoides pteronyssinus and farinae in patients with asthma and obstructive bronchitis] Debelić M, et al. **Prax Klin Pneumol** 1986 Dec; 40(12):475–7 (Eng. Abstr.) **(Ger)**
[Antigen-induced histamine liberation from basophilic granulocytes in patients with allergies] Zimmermann I, et al. **Prax Klin Pneumol** 1986 Oct;40(10):415–8 (Eng. Abstr.) **(Ger)**
[Serum immunoconglutinin in patients with a respiratory allergy syndrome, before and after specific immunotherapy] Scolozzi R, et al. **Boll Ist Sieroter Milan** 1986;65(5):411–8 (Eng. Abstr.) **(Ita)**
[Laboratory study of immunoglobulins and complement in workers in the flour milling-baking industry in Djakovo] Rosić D, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):58–63 (Eng. Abstr.) **(Scc)**
[Culture of acari and lyophilization] Zamacona Ravelo G, et al. **Alergia** 1986 Oct–Dec;33(4):103–4 (Eng. Abstr.) **(Spa)**

METABOLISM

Lanthanum penetration of the trachea after the immediate response of sensitized rats to aerosol antigen. Mukherjee S, et al. **Clin Exp Immunol** 1986 Sep;65(3):647–53
Nasal polyps and their content of arachidonic acid metabolites. Nigam S, et al. **New Engl Reg Allergy Proc** 1986 Mar–Apr;7(2):109–12
A transient calcium influx into airway smooth muscle cells induced by immunization. Souhrada M, et al. **Respir Physiol** 1987 Mar;67(3):323–34

MICROBIOLOGY

[Respiratory allergy induced by fungi] Baeza-Bacab MA, et al. **Bol Med Hosp Infant Mex** 1987 Apr;44(4):214–7 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Bronchial hyperresponsiveness in two populations of Australian schoolchildren. I. Relation to respiratory symptoms and diagnosed asthma. Salome CM, et al. **Clin Allergy** 1987 Jul;17(4):271–81
A study of allergy skin tests with Korean pollen extracts. Kim YL, et al. **Yonsei Med J** 1987;28(2):112–8
[Allergy to animals] Pelet B. **Rev Med Suisse Romande** 1986 Oct;106(10):893–9 **(Fre)**
[Respiratory allergy in students] Kornstad S. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):20–2 (Eng. Abstr.) **(Nor)**

PATHOLOGY

Paranasal sinus pathology in allergic and non-allergic respiratory tract diseases. De Cleyn KM, et al. **Allergy** 1986 Jul;41(5):313–8
[Problems in the study of structural changes of the sinus mucosa in allergic patients] Ionescu N, et al. **Rev Chir [Otorinolaringol]** 1987 Jan–Mar;32(1):35–40 (Eng. Abstr.) **(Rum)**
[Interstitial lung diseases caused by immune disorders] Esipova IK, et al. **Vestn Rentgenol Radiol** 1987 Mar–Apr; (2):74–9 (33 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A role for paf-acether (platelet-activating factor) in bronchial hyperreactivity? Benveniste J. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S2–4
Effect of cooling on ovalbumin-induced contraction of the tracheal muscle isolated from actively sensitized rat. Ishii T, et al. **Arch Int Pharmacodyn Ther** 1987 May; 287(1):133–45
The obligatory role of calcium in the development of antigen-induced airway hyperreactivity to cold provocation in the rat isolated trachea. Chand N, et al. **Br J Pharmacol** 1987 May;91(1):17–22
Respiratory allergies in a population of medical students in South India. Walter S, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):211–8
Lung function and rhizopus antibodies in wood trimmers. A cross-sectional and longitudinal study. Hedenstierna G, et al. **Int Arch Occup Environ Health** 1986;58(3):167–77
The magnitude of the spontaneous production of histamine-releasing factor (HRF) by lymphocytes in vitro correlates with the state of bronchial hyperreactivity in patients with asthma. Alam R, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):103–8
The origin of airway hyperresponsiveness. Hargreave FE, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):825–32 (69 ref.)
The role of chemical mediators and mucosal hyperreactivity in nasal hypersecretion in nasal allergy. Konno A, et al. **J Allergy Clin Immunol** 1987 Apr;79(4):620–7
[Intrinsic asthma in children] Varonier HS. **Schweiz Rundsch Med Prax** 1987 May 19;76(21):597–600 (Eng. Abstr.) **(Fre)**
[The Austrian Society of Lung Diseases and Tuberculosis. Study Group for Clinical Respiratory Physiology. Recommendations for the standardization of inhalative provocation to measure nonspecific bronchial reactivity] **Prax Klin Pneumol** 1986 Sep;40(9):356–64 **(Ger)**
[Mechanisms of allergic reactions and potential therapeutic approach in childhood bronchial asthma] Kraemer R. **Schweiz Rundsch Med Prax** 1987 May 19;76(21):581–5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

House dust mites [editorial] Platts-Mills TA. **New Engl Reg Allergy Proc** 1985 Spring;6(2):158–9

THERAPY

Clinical allergy approach efficacy [letter] Yonkers AJ. **Ear Nose Throat J** 1986 Dec;65(12):570–1
Aspirin desensitization. Stevenson DD. **New Engl Reg Allergy Proc** 1986 Mar–Apr;7(2):101–4
IgG levels after treatment with antigen vials based on the scratch testing, intradermal testing, modified RAST testing. Treviño RJ. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):307–11
[Treatment by HDM (house dust mite) of respiratory tract allergies to house dust acarians. Apropos of 300 cases] Saad H. **Tunis Med** 1986 Jun–Jul;64(6–7):603–6 (Eng. Abstr.) **(Fre)**
[Specific hyposensitization in allergies of the immediate type. Indications, implementation, side effects and preventive measures] Kleber R, et al. **Fortschr Med** 1987 Mar 20; 105(8):139–42 (Eng. Abstr.) **(Ger)**
[Hyposensitization: theoretical aspects and practice] Ring J. **Med Klin** 1986 Jan 31;81(2):52–5 **(Ger)**
[Therapeutic options in nasosinus allergy] Sbenghe-Teţu L, et al. **Rev Chir [Otorinolaringol]** 1987 Jan–Mar;32(1):31–4 (Eng. Abstr.) **(Rum)**

URINE

[Assay of urinary neopterin in hypersensitivity pneumopathies (letter)] Dewitte JD, et al. **Presse Med** 1986 Nov 1;15(38):1932 **(Fre)**

RESPIRATORY INSUFFICIENCY

BLOOD

Platelet function in acute respiratory failure. Carvalho AC, et al. **Am J Hematol** 1987 Aug;25(4):377–88
[Plasma antithrombin III and alpha 2-microglobulin in chronic respiratory insufficiency] Quartarone M, et al. **G Clin Med** 1986 Apr;67(2):103–4 (Eng. Abstr.) **(Ita)**
[Pituitary prolactin reserve in acute exacerbation of chronic respiratory insufficiency] Nardoni A, et al. **Minerva Med** 1987 Jun 15;78(11):733–7 (Eng. Abstr.) **(Ita)**
[Oxygen-transport function of hemoglobin in chronic respiratory failure] Aleksandrov OV, et al. **Sov Med** 1987; (4):14–7 (Eng. Abstr.) **(Rus)**
[Clinical applications of blood gas analysis] Oyarzún M. **Rev Med Chil** 1986 May;114(5):493–8 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Pulmonary complications of cytosine-arabinoside therapy: radiographic findings. Tham RT, et al. **AJR** 1987 Jul; 149(1):23–7
Respiratory failure after clonazepam and amobarbital [letter] Honer WG, et al. **Am J Psychiatry** 1986 Nov;143(11):1495
Role of 5-hydroxytryptamine in endotoxin-induced respiratory failure of pigs. Olson NC. **Am Rev Respir Dis** 1987 Jan;135(1):93–9
Respiratory arrest after epidural sufentanil [letter] Blackburn C. **Anaesthesia** 1987 Jun;42(6):665–6
Respiratory depression after intrathecal opioids. Report of a patient receiving long-term epidural opioid therapy. Krantz T, et al. **Anaesthesia** 1987 Feb;42(2):168–70
Buprenorphine, benzodiazepines and prolonged respiratory depression [letter] Sekar M, et al. **Anaesthesia** 1987 May; 42(5):567–8
Delayed respiratory arrest after epidural hydromorphone. Wüst HJ, et al. **Anaesthesia** 1987 Apr;42(4):404–6
Respiratory depression after single epidural injection of local anesthetic and morphine. London SW. **Anesth Analg** 1987 Aug;66(8):797–9
Mishaps with patient-controlled analgesia. White PF. **Anesthesiology** 1987 Jan;66(1):81–3
Respiratory distress with use of lorazepam in mania [letter] Cohen S, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):199–200
Respiratory arrest and prolonged respiratory depression after one low, subcutaneous dose of alphaprodine for obstetric analgesia. A case report. Fuller JD, et al. **J Reprod Med** 1987 Feb;32(2):149–51
Respiratory failure and lethal hypotension due to blue-ringed octopus and tetrodotoxin envenomation observed and counteracted in animal models. Flachsenberger WA. **J Toxicol Clin Toxicol** 1986–87;24(6):485–502
Neonatal respiratory distress from rhinitis medicamentosa. Osguthorpe JD, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):829–31
Cerebral spinal fluid recovery of lidocaine and bupivacaine following respiratory arrest subsequent to retrobulbar block. Kobet KA. **Ophthalmic Surg** 1987 Jan;18(1):11–3
Myasthenia gravis: control of drug-induced cholinergic symptoms with dexetimide. Szobor A. **Ther Hung** 1985; 33(3):132–5
Acute respiratory failure induced by bleomycin and hyperoxia: pulmonary edema, cell kinetics, and morphology. Goad ME, et al. **Toxicol Appl Pharmacol** 1987 Aug;90(1):10–22
Central origin of respiratory arrest in beta-blocker intoxication in rats. Langemeijer JJ, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):399–407
Surfactant alterations following acute bleomycin and hyperoxia-induced lung damage. Goad ME, et al. **Toxicol Lett** 1986 Sep;32(3):173–8
[Acute respiratory insufficiency following illicit silicone injections: the value of broncho-alveolar lavage] Chastre J, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):531–5 (Eng. Abstr.) **(Fre)**
[Theophylline overdoses on admission to a resuscitation unit]

Laaban JP, et al. **Rev Mal Respir** 1987;4(3):127-32 (Eng. Abstr.) **(Fre)**

[Respiratory failure in a newborn infant following repeated sedation for computerized tomography] Abel M. **Klin Padiatr** 1987 Jan-Feb;199(1):52-4 (Eng. Abstr.) **(Ger)**

[Etryptamine, a new designer drug with a fatal effect] Daldrup T, et al. **Z Rechtsmed** 1986;97(1):61-8 (Eng. Abstr.) **(Ger)**

[Report of a case of respiratory depression attributed to the use of peridural buprenorphine] Martegani G, et al. **Minerva Anestesiol** 1987 Apr;53(4):141-3 (Eng. Abstr.) **(Ita)**

[Postoperative respiratory failure after parenteral administration of analgesics] Holst J, et al. **Lakartidningen** 1987 Apr 29;84(18):1558-9 **(Swe)**

COMPLICATIONS

ICU survival of patients with the acquired immunodeficiency syndrome. Schein RM, et al. **Crit Care Med** 1986 Dec; 14(12):1026-7

[Clinical significance of evaluating acid-base imbalance with the anion gap in chronic respiratory failure] Chen WB, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):1-5, 61 (Eng. Abstr.) **(Chi)**

[Respiratory encephalopathy] Delorme N, et al. **Ann Med Interne (Paris)** 1986;137(3):238-43 (Eng. Abstr.) **(Fre)**

[M-mode echocardiography in the diagnosis of pulmonary arterial hypertension in chronic respiratory disorders] Oswald-Mammoser M, et al. **Rev Mal Respir** 1987; 4(2):77-84 (Eng. Abstr.) **(Fre)**

[Polycythemia in patients with chronic respiratory insufficiency] Offenstadt G, et al. **Rev Pneumol Clin** 1986; 42(4):187-93 (Eng. Abstr.) **(Fre)**

[Treatment of respiratory tract infections with imipenem/cilastatin in critical patients with respiratory insufficiency] Unertl K, et al. **Infection** 1986;14 Suppl 2:S176-80 (Eng. Abstr.) **(Ger)**

[Surgical treatment of cancer of the lungs in respiratory insufficiency] Pirogov AI, et al. **Sov Med** 1986;(11):115-8 **(Rus)**

DIAGNOSIS

Respiratory muscle weakness and ventilatory failure in AL amyloidosis with muscular pseudohypertrophy. Santiago RM, et al. **Am J Med** 1987 Jul;83(1):175-8

Difficulties in the prenatal diagnosis of Jarcho-Levin syndrome. Apuzzio JJ, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):916-8

Munchausen's syndrome presenting as respiratory failure requiring intubation [clinical conference] Burkle FM Jr, et al. **Ann Emerg Med** 1987 Feb;16(2):203-8

Assessing pulmonary function in acute respiratory insufficiency: a clinical charting sheet. Peirce EC 2d. **Crit Care Med** 1987 Jul;15(7):696-8

Invasive bronchopulmonary aspergillosis leading to rapidly progressive respiratory failure in a patient with severe aplastic anemia. Höfeler H, et al. **Klin Wochenschr** 1987 Jun 1;65(11):530-2

[High-frequency artificial pulmonary ventilation during fiber bronchoscopy via a tracheostomy tube in patients with acute respiratory failure] Vikhrov EV. **Anesteziol Reanimatol** 1986 Sep-Oct;(5):48-50 (Eng. Abstr.) **(Rus)**

[Clinical picture and treatment of affective-respiratory attacks in children] Rafikova ZB. **Pediatriia** 1987;(4):45-8 **(Rus)**

DRUG THERAPY

Reversal of sedation and respiratory depression after anaesthesia by the combined use of physostigmine and naloxone in neurosurgical patients. Wiklund L. **Acta Anaesthesiol Scand** 1986 Jul;30(5):374-7

Effects of digoxin on diaphragmatic strength generation in patients with chronic obstructive pulmonary disease during acute respiratory failure. Aubier M, et al. **Am Rev Respir Dis** 1987 Mar;135(3):544-8

Intralingual naloxone injection for narcotic-induced respiratory depression. Maio RF, et al. **Ann Emerg Med** 1987 May;16(5):572-3

Aminophylline for acute exacerbations of chronic obstructive pulmonary disease. A controlled trial. Rice KL, et al. **Ann Intern Med** 1987 Sep;107(3):305-9

Almitrine in acute respiratory failure. Effects on pulmonary gas exchange and circulation. Reyes A, et al. **Chest** 1987 Mar;91(3):388-93

Almitrine bismesylate. Smith PD, et al. **Drug Intell Clin Pharm** 1987 May;21(5):417-21 (26 ref.)

The role of almitrine bismesylate in acute respiratory failure. Lamb:opoulos S, et al. **Eur J Respir Dis [Suppl]** 1986; 146:657-61

The use of digitalis in patients with chronic respiratory failure. Pistelli R, et al. **Eur J Respir Dis [Suppl]** 1986; 146:549-56

The effects of vasodilation with prostacyclin on oxygen delivery and uptake in critically ill patients. Bihari D, et al. **N Engl J Med** 1987 Aug 13;317(7):397-403

Wheezing in infants: the response to epinephrine. Lowell DI, et al. **Pediatrics** 1987 Jun;79(6):939-45

[Secondary respiratory tract infections occurring in residual lesion of pulmonary tuberculosis. 5. Therapy of respiratory failure due to secondary pneumonia] Kobayashi H. **Kekkaku** 1986 Dec;61(12):657-61 **(Jpn)**

[Are respiratory stimulants necessary? No] Akiyama Y, et al. **Kokyu To Junkan** 1987 Apr;35(4):377-80 (24 ref.) **(Jpn)**

[Treatment of pulmonary failure in acute pancreatitis by using artificial surfactant] Sunamura M, et al. **Nippon Geka Gakkai Zasshi** 1987 Mar;88(3):360 **(Jpn)**

[Prolonged dopmin infusion in severe respiratory insufficiency in newborn infants] Tsybul'kin EK, et al. **Vesta Khir** 1986 Dec;137(12):63-5 (Eng. Abstr.) **(Rus)**

[Anxiety attacks provoked by theophylline] de Pablo J, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):549-50 (Eng. Abstr.) **(Spa)**

[Treatment of hematosis disorders in chronic obstructive bronchitis with almitrine bismesylate] González Montaner LJ. **Medicina (B Aires)** 1986;46(6):739-41 **(Spa)**

ETIOLOGY

Respiratory failure and death in an elderly man with laryngeal cancer [clinical conference] **Am J Med** 1987 May; 82(5):979-88

Pulmonary injury complicating antepartum pyelonephritis. Cunningham FG, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):797-807

Determinants of respiratory muscle failure. Grassino A. **Am Rev Respir Dis** 1986 Nov;134(5):1091-3

An unusual cause of postoperative respiratory failure. Rosett RL. **Anesthesiology** 1987 May;66(5):695-7

Hypoplastic lungs and abnormal phospholipids in asphyxiating thoracic dystrophy. Forrest P, et al. **Aust Paediatr J** 1987 Feb;23(1):47-51

The impact of life support technology upon psychosocial adaptation to the late effects of poliomyelitis. Locker D, et al. **Birth Defects** 1987;23(4):157-71

Pulmonary infarction in a term neonate. Quiñones Santos J, et al. **Bol Asoc Med PR** 1986 Sep;78(9):399-401

Flail chest injury in a patient with surgical absence of the sternum. Adams JW, et al. **Chest** 1987 Jul;92(1):185-6

Farmer's lung presenting as respiratory failure and homogeneous consolidation. Chassé M, et al. **Chest** 1986 Nov;90(5):783-4

Respiratory failure in Lambert-Eaton myasthenic syndrome. Gracey DR, et al. **Chest** 1987 May;91(5):716-8

Whole-lung lavage under hyperbaric oxygen conditions for alveolar proteinosis with respiratory failure. Jansen HM, et al. **Chest** 1987 Jun;91(6):829-32

Decrease in FEV1 and FVC with sodium morrhuate esophageal sclerotherapy [letter] Katz S, et al. **Chest** 1986 Oct;90(4):627

Acute respiratory distress in children. Karlson KH Jr. **Compr Ther** 1987 Jul;13(7):9-13

Acute respiratory failure in active tuberculosis. Levy H, et al. **Crit Care Med** 1987 Mar;15(3):221-5

Medical patients at high risk for catastrophic deterioration. Sax FL, et al. **Crit Care Med** 1987 May;15(5):510-5

Hypophosphatemia and acute respiratory failure in a diabetic patient. Hasselstrøm L, et al. **Intensive Care Med** 1986; 12(6):429-31

Pathogenesis of respiratory failure in neuromuscular diseases: diagnosis and treatment. Lissoni A, et al. **Ital J Neurol Sci** 1986 Oct;7(5):499-504

Respirator-dependent quadriplegics: problems during the weaning period. Lamid S, et al. **J Am Paraplegia Soc** 1985 Apr;8(2):33-7

Respiratory distress and surfactant inhibition following vagotomy in rabbits. Berry D, et al. **J Appl Physiol** 1986 Nov;61(5):1741-8

Respiratory failure secondary to Eaton-Lambert syndrome. Collins LC. **J Ky Med Assoc** 1986 Dec;84(12):665-6

Acute chest syndrome in sickle cell disease [letter] Warrier RP, et al. **J Pediatr** 1986 Oct;109(4):731

Hypokalemic respiratory arrest in diabetic ketoacidosis [letter] **JAMA** 1987 Jun 26;257(24):3363-4

Hypokalemic respiratory arrest in diabetic ketoacidosis. Dorin RI, et al. **JAMA** 1987 Mar 20;257(11):1517-8

Conditions and diseases leading to neonatal respiratory distress and failure--definitions, incidence and outcome. Mounla NA. **Middle East J Anesthesiol** 1987 Feb;9(1):71-6

AIDS. Case for diagnosis series, 1987. Anderson DW, et al. **Milit Med** 1987 May;152(5):M25-32

Respiratory arrest following retrobulbar anesthesia. Wittpenn JR, et al. **Ophthalmology** 1986 Jul;93(7):867-70

Study of transcutaneous PO2 (tcPO2) monitoring during fiberoptic bronchoscopy. Kaneshige H, et al. **Panminerva Med** 1986 Jul-Sep;28(3):279-82

Influences of fiberoptic bronchoscopy to cardiopulmonary function. Kohda Y, et al. **Panminerva Med** 1986 Jul-Sep; 28(3):173-5

Infants with myocarditis presenting with severe respiratory distress and shock. Bonadio WA, et al. **Pediatr Emerg Care** 1987 Jun;3(2):110-3

Case 2. Pulmonary failure and pulmonary hypertension after repair of diaphragmatic hernia. Reid LM. **Pediatr Pathol** 1986;6(4):467-73

Pulmonary alveolar septal calcinosis causing progressive respiratory failure in acute lymphoblastic leukemia in childhood. Sinniah D, et al. **Pediatr Pathol** 1986;6(4):439-48

Effects of surfactant replacement on respiratory failure induced by free oxygen radicals. Lachmann B, et al. **Prog Clin Biol Res** 1987;236B:305-13

Cervical osteophytes and respiratory failure. An unusual case of upper airway obstruction. Solomons NB, et al. **S Afr Med J** 1987 Feb 21;71(4):259-60

Respiratory failure after cordotomy [letter] Bohmfalk GL. **South Med J** 1987 Apr;80(4):537

Respiratory insufficiency in adult-onset acid maltase deficiency. Sivak ED, et al. **South Med J** 1987 Feb; 80(2):205-8

[Respiratory insufficiency after pneumonectomy due to an intracardiac right-left shunt] Wihlm JM, et al. **Ann Chir** 1986 Nov;40(8):611-6 (Eng. Abstr.) **(Fre)**

[A rare cause of postoperative acute respiratory insufficiency: diaphragmatic hernia] Rétif C, et al. **Ann Fr Anesth Reanim** 1987;6(1):52-3 (Eng. Abstr.) **(Fre)**

[Mediastinal infusion by a multilumen central venous catheter] Turetta F, et al. **Ann Fr Anesth Reanim** 1987; 6(3):211-3 (Eng. Abstr.) **(Fre)**

[Severe respiratory insufficiency in chronic obstructive bronchopneumopathies] Sadoul P. **Bull Mem Acad R Med Belg** 1986;141(11-12):541-50 (Eng. Abstr.) **(Fre)**

[Cardiorespiratory arrest of obstructive origin] Floret D. **Pediatrie** 1986 Dec;41(8):669-74 **(Fre)**

[Acute respiratory insufficiency and carnitine palmitoyltransferase deficiency (letter)] Delacour JL, et al. **Presse Med** 1987 Apr 18;16(14):683-4 **(Fre)**

[Post-anesthesia respiratory distress caused by mediastinal lymphoblastic lymphoma. A new case (letter)] Delalande JP, et al. **Presse Med** 1987 Mar 7;16(8):400 **(Fre)**

[Acute respiratory insufficiency in Parkinson's disease (letter)] Herer B, et al. **Presse Med** 1987 Apr 18;16(14):683 **(Fre)**

[Pulmonary legionnaires' disease in a child following drowning in fresh water (letter)] Lavocat MP, et al. **Presse Med** 1987 May 2;16(16):780 **(Fre)**

[Pulmonary vascular loop--respiratory disorders caused by vascular abnormality] Hruda J, et al. **Kinderarztl Prax** 1986 Oct;54(10):577-82 (Eng. Abstr.) **(Ger)**

[Respiratory loss as a late sequel of blunt chest injuries (published erratum appears in Z Unfallchir Versicherungsmed Berufskr 1986;79(3):204)] Reber P, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986; 79(2):75-83 **(Ger)**

[Acute respiratory failure due to massive microembolization of the pulmonary arteries by breast tumor] Fogelfeld L, et al. **Harefuah** 1986 Dec 1;111(11):369-71 (Eng. Abstr.) **(Heb)**

[Clinical contribution on acute mercury poisoning] Colombo ML, et al. **Minerva Pediatr** 1987 Feb 28;39(3-4):129-34 (Eng. Abstr.) **(Ita)**

[Smoldering adult T-cell leukemia complicating severe respiratory failure--an autopsy case report] Maekawa I, et al. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):289-92 (Eng. Abstr.) **(Jpn)**

[Past history of pulmonary tuberculosis and pulmonary disease] Imaizumi T, et al. **Kekkaku** 1986 Aug;61(8):435-7 (Eng. Abstr.) **(Jpn)**

[Renal and respiratory failure after bilateral thoracotomy] Hagiya M, et al. **Masui** 1987 Apr;36(4):618-21 (Eng. Abstr.) **(Jpn)**

[Respiratory failure] Nagano H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1179-85 (15 ref.) (Eng. Abstr.) **(Jpn)**

[An autopsy case of acute renal and respiratory failure following wasp stings] Ohashi H, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):398-403 **(Jpn)**

[Early disorders of respiration in severely burned patients] Jastrzebski J, et al. **Pol Tyg Lek** 1986 Dec 8;41(49):1543-5 (Eng. Abstr.) **(Pol)**

[Structural basis of impairment of the external respiratory function in the post-resuscitation period] Zinov'ev AS, et al. **Arkh Patol** 1987;49(5):57-64 (Eng. Abstr.) **(Rus)**

[Effect of pulmonary lipid peroxidation on the development of arterial hypoxemia in rats in the early posttraumatic period] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):157-60 (Eng. Abstr.) **(Rus)**

[A case of extreme ventilation-perfusion irregularity induced by primary mediastinal lymphoma] Martelli NA, et al. **Medicina (B Aires)** 1986;46(1):91-3 (Eng. Abstr.) **(Spa)**

[Craniocerebral injuries and alveolo-capillary gas exchange] Puigdollers Colás F, et al. **Rev Esp Anestesiol Reanim** 1987 May-Jun;34(3):183-6 (Eng. Abstr.) **(Spa)**

[Hirschsprung's disease as a cause of severe respiratory insufficiency in an adult. Apropos of a case] Wegrzyn C, et al. **Rev Esp Enferm Apar Dig** 1987 Jun;71(6):535-9 (Eng. Abstr.) **(Spa)**

METABOLISM

Intracellular acid-base and electrolyte metabolism in skeletal muscle of patients with chronic obstructive lung disease and acute respiratory failure. Fiaccadori E, et al. **Clin Sci** 1986 Dec;71(6):703-12

Hydro-saline retention in COLD patients with respiratory failure. Chiappini MG, et al. **Eur J Respir Dis [Suppl]** 1986; 146:359-65

Respiratory failure following anti-lung serum: study on mechanisms associated with surfactant system damage. Lachmann B, et al. **Exp Lung Res** 1987;12(2):163-80

L-carnitine and rehabilitative respiratory physiokinesitherapy: metabolic and ventilatory response in

chronic respiratory insufficiency. Dal Negro R, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug;24(8):453–6

MORTALITY

Variability in physician estimates of survival for acute respiratory failure in chronic obstructive pulmonary disease. Pearlman RA. **Chest** 1987 Apr;91(4):515–21

Prognosis of COPD patients after an episode of acute respiratory failure. Dardes N, et al. **Eur J Respir Dis [Suppl]** 1986;146:377–81

Actuarial survival rate in 99 tracheostomized patients with chronic pulmonary insufficiency treated by pulmonary mechanical ventilation at home. Ordronneau J, et al. **Eur J Respir Dis [Suppl]** 1986;146:383–8

PHYSIOPATHOLOGY

Reversal of sleep–induced hypoventilation and chronic respiratory failure by nocturnal negative pressure ventilation in patients with restrictive ventilatory impairment. Goldstein RS, et al. **Am Rev Respir Dis** 1987 May;135(5):1049–55

Bedside measurement of pulmonary capillary pressure in patients with acute respiratory failure. Collee GG, et al. **Anesthesiology** 1987 May;66(5):614–20

Hemodynamic effects of high–frequency jet ventilation in patients with and without circulatory shock. Fusciardi J, et al. **Anesthesiology** 1986 Nov;65(5):485–91

Respiratory disease and respiratory failure: implications for the young and the old. Newth CJ. **Br J Dis Chest** 1986 Jul;80(3):209–17 (44 ref.)

Effect of electroacupuncture on myocardial contractility in open–chest and anesthetized dogs with acute respiratory failure. Zhu GY, et al. **Chen Tzu Yen Chiu** 1986; 11(3):183–90

Right and left ventricular performance in acute hypoxemic respiratory failure. Sibbald WJ, et al. **Crit Care Med** 1986 Oct;14(10):852–7

What is failing in respiratory failure? [editorial] Aubier M. **Hosp Pract [Off]** 1987 Jan 30;22(1A):6, 9

A clinical, EEG and CT study in 21 cases of chronic respiratory failure. Manni R, et al. **J Neurol** 1987 Feb; 234(2):83–5

Assessing respiratory disablement [editorial] **Lancet** 1987 Mar 28;1(8535):726–7

Diaphragmatic flutter in a patient with lymphoma. Barrio JL, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):188–90

Cardiopulmonary function of cats with respiratory distress induced by N–nitroso N–methylurethane. Richardson P, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):296–302

Effects of chronic hypoxia on kidney function. Martínez–Ballarín E, et al. **Rev Esp Fisiol** 1986 Sep; 42(3):319–22

[Effect of electroacupuncture on cardio–hemodynamics in dogs with acute respiratory failure (ARF)] Zhu GY, et al. **Chen Tzu Yen Chiu** 1986;11(3):191–5 (Eng. Abstr.) **(Chi)**

[Functional limitations of parenchymal resections in excisions for cancer. Spirographic and blood gas data] Roeslin N, et al. **Ann Chir** 1986 Nov;40(8):589–92 (Eng. Abstr.) **(Fre)**

[Respiratory function in vertebral deformities before and after transthoracic interventions] Ferrari A, et al. **Chir Organi Mov** 1986 Jul–Aug;71(3):275–82 (Eng. Abstr.) **(Ita)**

[General cardiocirculatory effects in chronic respiratory insufficiency] Auricchio A, et al. **Minerva Med** 1986 Dec 22;77(49–50):2293–8 (13 ref.) (Eng. Abstr.) **(Ita)**

[Status of the pulmonary surfactant system in acute respiratory insufficiency] Dorovatovskiĭ VA, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):23–5 (Eng. Abstr.) **(Rus)**

[Hemodynamic aspects of heart and respiratory failures in ischemic heart disease patients with severe pulmonary hypertension and their dynamics during treatment] Shakina NA. **Kardiologiia** 1986 Aug;26(8):74–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of septic ventilatory depression with naloxone. Chuang GJ, et al. **Arch Surg** 1987 Aug;122(8):940–5

[Prevention, recognition and treatment of life–threatening accidents in dental practice] Podlesch I. **Off Gesundheitswes** 1986 Sep;48(9):543–6 (Eng. Abstr.) **(Ger)**

[Preparation using respiratory physiotherapy of surgical patients at risk] Battaglia C, et al. **Minerva Chir** 1987 May 31;42(10):917–20 (Eng. Abstr.) **(Ita)**

[Steinert's disease and anesthesia (letter)] Rovira I, et al. **Rev Esp Anestesiol Reanim** 1987 May–Jun;34(3):227–8 **(Spa)**

RADIOGRAPHY

Pressure–volume curve of total respiratory system in acute respiratory failure. Computed tomographic scan study. Gattinoni L, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):730–6

Diffuse pulmonary opacification in infants undergoing extracorporeal membrane oxygenation: clinical and pathologic correlation. Taylor GA, et al. **Radiology** 1986 Nov;161(2):347–50

[Radiopneumography—a method of detecting the latent side effects in patients with pulmonary tuberculosis] Fokeeva IN, et al. **Sov Med** 1986;(10):90–2 **(Rus)**

REHABILITATION

[Exercise training for aged patients with respiratory insufficiency is possible. Apropos of 2 cases] Tardif C, et al. **Rev Pneumol Clin** 1986;42(6):296–9 (Eng. Abstr.) **(Fre)**

THERAPY

Positive–pressure ventilation at moderately high frequency in newborn infants with respiratory distress syndrome (IRDS). Sedin G. **Acta Anaesthesiol Scand** 1986 Oct; 30(7):515–20

Treatment of respiratory failure during sleep in patients with neuromuscular disease. Positive–pressure ventilation through a nose mask. Ellis ER, et al. **Am Rev Respir Dis** 1987 Jan;135(1):148–52

Jet ventilation at 100 breaths per minute in adult respiratory failure. MacIntyre NR, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):897–901

The clinical relevance of respiratory muscle research. J. Burns Amberson lecture. Macklem PT. **Am Rev Respir Dis** 1986 Oct;134(4):812–5

Effects of the administration of O2 on ventilation and blood gases in patients with chronic obstructive pulmonary disease during acute respiratory failure [letter] Stradling J. **Am Rev Respir Dis** 1987 Jan;135(1):274

Respiratory disturbance and posterior fossa surgery. A case report. Yates AP, et al. **Anaesthesia** 1986 Dec;41(12):1214–8

Intermittent positive pressure ventilation with either positive end–expiratory pressure or high frequency jet ventilation (HFJV), or HFJV alone in human acute respiratory failure. Brichant JF, et al. **Anesth Analg** 1986 Nov;65(11):1135–42

Treatment of acute respiratory failure by extracorporeal carbon dioxide elimination performed with a surface heparinized artificial lung. Bindslev L, et al. **Anesthesiology** 1987 Jul;67(1):117–20

Extracorporeal membrane oxygenation for newborn respiratory failure. Weber TR, et al. **Ann Thorac Surg** 1986 Nov;42(5):529–35

Extracorporeal membrane oxygenation. Its use in neonatal respiratory failure. Workman E, et al. **AORN J** 1987 Mar; 45(3):725–7, 730–9

Outcome and function following prolonged mechanical ventilation. Spicher JE, et al. **Arch Intern Med** 1987 Mar; 147(3):421–5

Glossopharyngeal breathing and noninvasive aids in the management of post–polio respiratory insufficiency. Bach JR, et al. **Birth Defects** 1987;23(4):99–113

Mouth intermittent positive pressure ventilation in the management of postpolio respiratory insufficiency. Bach JR, et al. **Chest** 1987 Jun;91(6):859–64

Intermittent positive pressure ventilation via nasal access in the management of respiratory insufficiency. Bach JR, et al. **Chest** 1987 Jul;92(1):168–70

Effect of PEEP on the arterial minus end–tidal carbon dioxide gradient. Blanch L, et al. **Chest** 1987 Sep; 92(3):451–4

A continuous monitoring technique for management of acute pulmonary failure. Carroll GC. **Chest** 1987 Sep;92(3):467–9

Body position and ventilation–perfusion relationships in unilateral pulmonary disease. Gillespie DJ, et al. **Chest** 1987 Jan;91(1):75–9

Assisting ventilation in respiratory failure by negative pressure ventilation and by rocking bed. Goldstein RS, et al. **Chest** 1987 Sep;92(3):470–4

Clinical applications of body ventilators. Hill NS. **Chest** 1986 Dec;90(6):897–905

Alternative methods of ventilation during respiratory and cardiac arrest. Melker RJ. **Circulation** 1986 Dec;74(6 Pt 2):IV63–5

Weaning from mechanical ventilation: successful use of modified inspiratory resistive training in muscular dystrophy. Aldrich TK, et al. **Crit Care Med** 1987 Mar; 15(3):247–9

Traumatic respiratory insufficiency: comparison of conventional mechanical ventilation to high–frequency positive pressure with low–rate ventilation. Barzilay E, et al. **Crit Care Med** 1987 Feb;15(2):118–21

Evaluation of a closed–tracheal suction system. Carlon GC, et al. **Crit Care Med** 1987 May;15(5):522–5

Lung compliance as a measure of lung function in newborns with respiratory failure requiring extracorporeal membrane oxygenation. Lotze A, et al. **Crit Care Med** 1987 Mar; 15(3):226–9

Does compliance reflect oxygen delivery in porcine septic respiratory failure treated with positive end–expiratory pressure? Myers JC, et al. **Crit Care Med** 1987 Jan; 15(1):38–40

Current concepts of high–frequency ventilation. Hurst JM, et al. **Curr Surg** 1987 Jan–Feb;44(1):7–11

When should patients with COPD be ventilated? Muir JF, et al. **Eur J Respir Dis** 1987 Mar;70(3):135–9

Long–term oxygen therapy vs. IPPB therapy in patients with COLD and respiratory insufficiency: survival and pulmonary hemodynamics. Klein G, et al. **Eur J Respir Dis [Suppl]** 1986;146:409–15

Practical aspects of differential ventilation with selective peep in acute respiratory failure. Hedenstierna G, et al. **Int J Clin Monit Comput** 1984;1(1):5–11

Technical and psychological complications of high–frequency jet ventilation. Berré J, et al. **Intensive Care Med** 1987;13(2):96–9

Improving oxygenation using the prone position [letter] Manara AR, et al. **Intensive Care Med** 1987;13(3):218–9

Hemodynamic, gas exchange, and hormonal consequences of LBPP during PEEP ventilation. Payen DM, et al. **J Appl Physiol** 1987 Jan;62(1):61–70

Extracorporeal membrane oxygenation in the critically ill neonate. Cook LN, et al. **J Ky Med Assoc** 1987 Apr; 85(4):183–5

Long–term mechanical ventilation in an acute care hospital: a positive approach. Dougherty RJ, et al. **J Okla State Med Assoc** 1986 Nov;79(11):843–6

Extracorporeal membrane oxygenation for respiratory and cardiac failure in infants and children. Redmond CR, et al. **J Thorac Cardiovasc Surg** 1987 Feb;93(2):199–204

Outcome of lung cancer patients requiring mechanical ventilation for pulmonary failure. Ewer MS, et al. **JAMA** 1986 Dec 26;256(24):3364–6

Liberation of the patient from mechanical ventilation. Hall JB, et al. **JAMA** 1987 Mar 27;257(12):1621–8 (88 ref.)

Nutritional management in acute respiratory failure. Pingleton SK, et al. **JAMA** 1987 Jun 12;257(22):3094–9 (68 ref.)

Extracorporeal support for respiratory insufficiency; essential and workable [editorial] Gille JP. **Life Support Syst** 1986 Jul–Sep;4(3):189–92

Respiratory failure and mechanical ventilation: pathophysiology and methods of promoting weaning. Karpel JP, et al. **Lung** 1986;164(6):309–24

Management of end stage respiratory failure in Duchenne muscular dystrophy. Bach JR, et al. **Muscle Nerve** 1987 Feb;10(2):177–82

Twenty years of experience in phrenic nerve stimulation to pace the diaphragm. Glenn WW, et al. **PACE** 1986 Nov; 9(6 Pt 1):780–4

Extracorporeal membrane oxygenation in pediatric respiratory failure. Ortiz RM, et al. **Pediatr Clin North Am** 1987 Feb;34(1):39–46

Pediatric home mechanical ventilation. Schreiner MS, et al. **Pediatr Clin North Am** 1987 Feb;34(1):47–60

High frequency ventilation. Wetzel RC, et al. **Pediatr Clin North Am** 1987 Feb;34(1):15–38 (102 ref.)

Clinical observations on mechanical ventilation for respiratory failure in bronchiolitis. Frankel LR, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):307–11

Dense pulmonary opacification in neonates treated with extracorporeal membrane oxygenation. Schlesinger AE, et al. **Pediatr Radiol** 1986;16(6):448–51

Improving the prognosis in acute renal and respiratory failure. Simpson HK, et al. **Ren Fail** 1987;10(1):45–54

Differential lung ventilation: a review and 2 case reports. Lev A, et al. **Resuscitation** 1987 Jun;15(2):77–86

Extracorporeal membrane oxygenation for neonatal respiratory failure. Stolar CJ, et al. **Surg Annu** 1987; 19:111–22 (26 ref.)

[Infusion treatment in combined injuries with and without respiratory system involvement in children] Bogdanova R, et al. **Khirurgiia (Sofiia)** 1987;40(3):39–44 (Eng. Abstr.) **(Bul)**

[Tracheotomy in chronic obstructive pulmonary disease complicated by respiratory failure: clinical analysis of 19 cases] Qiu HG, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Jan;26(1):9–11, 61 (Eng. Abstr.) **(Chi)**

[Current theories on resuscitation: no practical consequences yet (letter)] Meursing BT. **Ned Tijdschr Geneeskd** 1987 Jan 10;131(2):70–1 **(Dut)**

[Resuscitation at a large hospital] van Vlies B, et al. **Ned Tijdschr Geneeskd** 1987 May 30;131(22):943–6 (Eng. Abstr.) **(Dut)**

[Development of equipment for artificial respiration of infants and children. 2. The "Baby Ventilator I" long–term respirator for infants and children] Zietz G, et al. **Anaesthesiol Reanim** 1986;11(5):309–16 (Eng. Abstr.) **(Ger)**

[Experience with extracorporeal CO2 elimination] Knoch M, et al. **Anaesthesist** 1987 May;36(5):210–6 (Eng. Abstr.) **(Ger)**

[ABS 800: expanding the possibilities of respiratory therapy] Wendt M, et al. **Anaesthesist** 1987 Feb;36(2):91–3 (Eng. Abstr.) **(Ger)**

[Primary management of newborn infants with respiratory failure due to a congenital defect of the diaphragm] Abel M, et al. **Anasth Intensivther Notfallmed** 1986 Oct; 21(5):280–3 (Eng. Abstr.) **(Ger)**

[Resuscitation by laymen?] Sefrin P, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):273–9 (Eng. Abstr.) **(Ger)**

[Bridging lung failure in the newborn infant. Accelerated morphologic lung maturation in extracorporeal gas exchange] Schmidt S, et al. **Fortschr Med** 1986 Sep 25; 104(36):671–3 (Eng. Abstr.) **(Ger)**

[Critical stages for the dystrophic patient. Role of the respirator] Oretaggio F, et al. **Minerva Pediatr** 1986 Aug 31;38(15–16):665–8 **(Ita)**

[Are respiratory stimulants necessary? Yes] Otsuka H. **Kokyu To Junkan** 1987 Apr;35(4):373–6 (10 ref.) **(Jpn)**

[Studies on ECMO. II. The effect of ECMO in respiratory failure and the trial of long–term ECMO; two experimental studies in dogs and goats] Kan K. **Masui** 1987 Mar;

36(3):340–8 (Eng. Abstr.) (Jpn)
[Indication of high frequency jet ventilation for respiratory failure] Konishi A. **Masui** 1987 Mar;36(3):402–9 (Eng. Abstr.) (Jpn)
[Developement and effectiveness of a slit type—fenestrated tracheostomy tube in patients with respiratory muscular disease] Dohi H, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Jul;24(7):729–34 (Eng. Abstr.) (Jpn)
[A case of exacerbation of chronic pulmonary disease successfully treated by extracorporeal lung assist with a membrane lung] Otsu T, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Oct; 24(10):1131–4 (Eng. Abstr.) (Jpn)
[Potentiation of the effect of oxygen on the body in the presence of helium] Seredenko MM, et al.
Fiziol Cheloveka 1987 May–Jun;13(3):463–8 (Rus)
[Electric stimulation of the diaphragm in the treatment of chronic nonspecific lung diseases] Manakova Elu, et al.
Klin Med (Mosk) 1986 Dec;64(12):19–25 (44 ref.) (Rus)
[Effect of heliox on ventilation and blood oxygen transport in patients with a restrictive form of ventilatory insufficiency] Zhukovskii LI, et al. **Probl Tuberk** 1987; (6):27–31 (Eng. Abstr.) (Rus)
[Normobaric hyperoxia in treating respiratory failure in pulmonary tuberculosis patients] Zhukovskii LI, et al.
Probl Tuberk 1986;(8):28–31 (Eng. Abstr.) (Rus)
[High–frequency artificial ventilation of the lungs] Dubikaitis Alu, et al. **Vestn Khir** 1987 Mar;138(3):137–40 (36 ref.) (Rus)
[Outcome analysis of management of critically ill newborn infants with assisted ventilation] Yunes–Zárraga JL, et al.
Bol Med Hosp Infant Mex 1987 Jun;44(6):337–43 (Eng. Abstr.) (Spa)

VETERINARY

BW755C modifies endotoxin–induced respiratory failure in pigs. Olson NC. **Am J Vet Res** 1987 Mar;48(3):444–50
General anaesthesia for small animal patients with respiratory insufficiency. Dodman NH, et al. **Br Vet J** 1987 Jul–Aug; 143(4):291–305
[Results of blood gas analysis in newborn lambs with special reference to neonatal respiratory depression] Busse G, et al. **DTW** 1986 Jul 23;93(7):313–7 (Eng. Abstr.) (Ger)
[Resuscitation of puppies after cesarean section] Schmid G, et al. **Tierarztl Prax** 1987;15(2):219–20 (Eng. Abstr.) (Ger)

RESPIRATORY MUSCLES

ATS symposium summary: Respiratory muscles: structure and function. **Am Rev Respir Dis** 1986 Nov;134(5):1078–93
Determinants of respiratory muscle failure. Grassino A.
Am Rev Respir Dis 1986 Nov;134(5):1091–3
The clinical relevance of respiratory muscle research. J. Burns Amberson lecture. Macklem PT.
Am Rev Respir Dis 1986 Oct;134(4):812–5
Intermittent positive pressure breathing in patients with respiratory muscle weakness. Alterations in total respiratory system compliance. McCool FD, et al.
Chest 1986 Oct;90(4):546–52

ANATOMY & HISTOLOGY

Fiber types and fiber diameters in canine respiratory muscles. Reid MB, et al. **J Appl Physiol** 1987 Apr;62(4):1705–12

BLOOD SUPPLY

Control of respiratory muscle blood flow. Supinski G.
Am Rev Respir Dis 1986 Nov;134(5):1078–81
Blood flow to the respiratory and limb muscles and to abdominal organs during maximal exertion in ponies. Manohar M. **J Physiol (Lond)** 1986 Aug;377:25–35
Origins and regional distribution of blood flow to the respiratory muscles in conscious sheep. Soust M, et al.
Respir Physiol 1987 Mar;67(3):283–94

DRUG EFFECTS

The effect of inhaled carbon dioxide and hypoxia mixtures on the electrical and mechanical activities of respiratory muscles in dogs. Viljanen AA, et al.
Acta Physiol Scand 1986 Oct;128(2):231–9
Effects of alpha–bungarotoxin and d–tubocurarine on the post–tetanic potentiation of the mouse diaphragm twitch tension. Tsai MC, et al. **Arch Int Pharmacodyn Ther** 1987 Feb;285(2):316–23
Lung function and respiratory muscle strength after propranolol in thyrotoxicosis. Wang YT, et al.
Aust NZ J Med 1986 Aug;16(4):496–500
Examination of the mechanisms involved in tetanic fade produced by vecuronium and related analogues in the rat diaphragm. Gibb AJ, et al. **Br J Pharmacol** 1987 Mar; 90(3):511–21
Role of ion conductance changes and of the sodium–pump in adrenaline–induced hyperpolarization of rat diaphragm muscle fibres. Kuba K, et al. **Br J Pharmacol** 1987 Jul; 91(3):671–81
The effect of L–N6–phenylisopropyladenosine (L–PIA) on the isolated hemidiaphragm of the rat. Varagić VM, et al.
J Pharmacol 1986 Oct–Dec;17(4):707–11

ENZYMOLOGY

Heat production and respiratory enzymes in normal and runt newborn piglets. Hayashi M, et al. **Biol Neonate** 1987; 51(6):324–31

INNERVATION

High–frequency and medium–frequency components of different inspiratory nerve discharges and their modification by various inputs. Cohen MI, et al.
Brain Res 1987 Aug 4;417(1):148–52

METABOLISM

Failure of the calcium channel activator, Bay K 8644, to increase the release of acetylcholine from nerve terminals in brain and diaphragm. Doležal V, et al.
Br J Pharmacol 1987 Jul;91(3):475–9
Exercise–induced glycogen utilization by the respiratory muscles. Ianuzzo CD, et al. **J Appl Physiol** 1987 Apr; 62(4):1405–9
Effect of calcitonin gene–related peptide on the cyclic AMP level of isolated mouse diaphragm. Takami K, et al.
Jpn J Pharmacol 1986 Nov;42(3):345–50

PATHOLOGY

Respiratory muscle weakness and ventilatory failure in AL amyloidosis with muscular pseudohypertrophy. Santiago RM, et al. **Am J Med** 1987 Jul;83(1):175–8

PHYSIOLOGY

The relation of inspiratory effort sensation to fatiguing patterns of the diaphragm. Bradley TD, et al.
Am Rev Respir Dis 1986 Dec;134(6):1119–24
Respiratory muscle plasticity. Kelsen SG.
Am Rev Respir Dis 1986 Nov;134(5):1086–8
Measurement of inspiratory muscle performance with incremental threshold loading. Martyn JB, et al.
Am Rev Respir Dis 1987 Apr;135(4):919–23
Respiratory effects of respiratory muscle weakness and atrophy. Rochester DF. **Am Rev Respir Dis** 1986 Nov; 134(5):1083–6
Decreased excitability of respiratory motoneurons during hypercapnia in the acute spinal cat. Jodkowski JS, et al.
Brain Res 1986 Oct 29;386(1–2):296–304
Respiratory muscle function. Celli BR. **Clin Chest Med** 1986 Dec;7(4):567–84 (146 ref.)
State–dependent respiratory depression elicited by stimulation of the orbital frontal cortex. Marks JD, et al.
Exp Neurol 1987 Mar;95(3):714–29
Differential inhibition of the diaphragm and posterior cricoarytenoid muscles induced by transient hypertension across sleep states in intact cats. Marks JD, et al.
Exp Neurol 1987 Mar;95(3):730–42
Effects of respiratory muscle endurance training on ventilatory and endurance performance of moderately trained cyclists. Morgan DW, et al. **Int J Sports Med** 1987 Apr;8(2):88–93
Effects of continuous positive airway pressure on upper airway and respiratory muscle activity. Alex CG, et al.
J Appl Physiol 1987 May;62(5):2026–30
Plasticity of the mechanism subserving inspiratory load perception. Revelette WR, et al. **J Appl Physiol** 1987 May; 62(5):1901–6
Mechanical function of hyoid muscles during spontaneous breathing in cats. van Lunteren E, et al.
J Appl Physiol 1987 Feb;62(2):582–90
Genioglossus and alae nasi activity in fetal sheep. Johnston BM, et al. **J Dev Physiol** 1986 Oct;8(5):323–31
Inspiratory muscle responses to airway occlusion during learned breathing movements. Plassman BL, et al.
J Neurophysiol 1987 Jan;57(1):274–88
Load compensation during positive pressure breathing in anesthetized man. Derenne JP, et al. **Respir Physiol** 1986 Sep;65(3):303–14
Effect of posture on expiratory muscle use during breathing in the dog. De Troyer A, et al. **Respir Physiol** 1987 Mar; 67(3):311–22
The ventral rib cage muscles in the dog: contractile properties and operating lengths. Farkas GA, et al. **Respir Physiol** 1987 Jun;68(3):301–9
Influence of muscle length on human inspiratory and limb muscle endurance. McKenzie DK, et al. **Respir Physiol** 1987 Feb;67(2):171–82
The effect of a prescribed exercise program on respiratory muscle strength and endurance of middle–aged subjects. Poling T, et al. **SD J Med** 1986 Nov;39(11):7–10, 15
[Evaluation of thoraco–abdominal mobility and function of the respiratory muscles] Fitting JW, et al.
Rev Mal Respir 1986;3(6):421–4 (Fre)
[Technics for the functional evaluation of the thoracic cage] Fitting JW, et al. **Rev Mal Respir** 1986;3(4):173–86 (100 ref.) (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Determinants of respiratory muscle weakness in stable chronic neuromuscular disorders. Vincken W, et al.
Am J Med 1987 Jan;82(1):53–8
Effects of intermittent negative pressure ventilation on respiratory muscle function in patients with severe chronic obstructive pulmonary disease. Cropp A, et al.
Am Rev Respir Dis 1987 May;135(5):1056–61
Changes in inspiratory muscle electrical activity and upper airway resistance during periodic breathing induced by hypoxia during sleep. Hudgel DW, et al.
Am Rev Respir Dis 1987 Apr;135(4):899–906
Strength and endurance of inspiratory, expiratory, and limb muscles in asthma. McKenzie DK, et al.
Am Rev Respir Dis 1986 Nov;134(5):999–1004
Body weight and respiratory muscle function in chronic obstructive pulmonary disease [editorial] Rochester DF.
Am Rev Respir Dis 1986 Oct;134(4):646–8
The respiratory muscles in chronic obstructive pulmonary disease. Sharp JT. **Am Rev Respir Dis** 1986 Nov; 134(5):1089–91
Inspiratory muscle activity as a trigger causing the airways to open in obstructive sleep apnea. Vincken W, et al.
Am Rev Respir Dis 1987 Feb;135(2):372–7
Reversible respiratory muscle weakness in hypothyroidism. Weiner M, et al. **Br J Dis Chest** 1986 Oct;80(4):391–5
Aminophylline, respiratory muscle strength and exercise tolerance in chronic obstructive airway disease. Cooper CB, et al. **Bull Eur Physiopathol Respir** 1987 Jan–Feb; 23(1):15–22
Respiratory muscle dysfunction secondary to chronic tracheostomy tube placement. Criner G, et al. **Chest** 1987 Jan;91(1):139–41
The irregularly irregular pattern of respiratory dyskinesia. Kuna ST, et al. **Chest** 1986 Nov;90(5):779–81
A non–invasive method for measuring inspiratory muscle fatigue during progressive isocapnic hyperventilation in man. Vilozni D, et al. **Eur J Appl Physiol** 1987;56(4):433–9
Pathogenesis of respiratory failure in neuromuscular diseases: diagnosis and treatment. Lissoni A, et al.
Ital J Neurol Sci 1986 Oct;7(5):499–504
Length–tension relationship of abdominal expiratory muscles: effect of emphysema. Arnold JS, et al. **J Appl Physiol** 1987 Feb;62(2):739–45
Respiratory muscle interaction during NREM sleep in patients with occlusive apnea. Onal E, et al.
J Appl Physiol 1986 Nov;61(5):1891–5
Mechanism of active expiration in tetraplegic subjects [letter] Vergith TS. **N Engl J Med** 1986 Nov 6;315(19):1233
Voice tremor: dysregulation of voluntary expiratory muscles. Tomoda H, et al. **Neurology** 1987 Jan;37(1):117–22
Ineffective breathing pattern related to respiratory muscle fatigue. Larson JL, et al. **Nurs Clin North Am** 1987 Mar; 22(1):207–23 (80 ref.)
Reliability of maximal inspiratory pressure. Larson JL, et al. **Nurs Res** 1987 Sep–Oct;36(5):317–9
Respiratory muscle activity during asphyxic apnoea and opisthotonus in the rabbit. Davis PJ, et al.
Respir Physiol 1986 Sep;65(3):285–94
[The respiratory muscles and their role in lung diseases] Walczak J. **Pneumonol Pol** 1987 Mar;55(3):129–34 (20 ref.) (Pol)

SECRETION

Acetylcholine release from canine isolated airway is not modulated by norepinephrine. Martin JG, et al.
J Appl Physiol 1986 Sep;61(3):1025–30

RESPIRATORY PARALYSIS

Epidural block for hemicolectomy in a patient with bilateral diaphragmatic paralysis. Millar RA, et al.
Cleve Clin J Med 1987 Jan–Feb;54(1):39–41

CHEMICALLY INDUCED

Case report 388: Transient paralysis of the left hemidiaphragm secondary to blocking anesthesia of the intrascalene brachial plexus. Brogdon BG, et al.
Skeletal Radiol 1986;15(6):503–4

COMPLICATIONS

Improved arterial oxygenation by diaphragmatic pacing in quadriplegia. Vincken W, et al. **Crit Care Med** 1987 Sep; 15(9):872–3

DIAGNOSIS

Unilateral chest wall paradoxical motion mimicking a flail chest in a patient with hemilateral C7 spinal injury. Jaspar N, et al. **Intensive Care Med** 1986;12(6):396–8
[Congenital diaphragmatic eventrations in children. Nosological and diagnostic problems with phrenic paralyses, right hernias and retro–costo–xiphoid hernia. Apropos of 16 cases] Arnaud O, et al.
Ann Radiol (Paris) 1987;30(1):47–59 (Eng. Abstr.) (Fre)

ETIOLOGY

Brachial neuritis involving the bilateral phrenic nerves. Walsh NE, et al. **Arch Phys Med Rehabil** 1987 Jan; 68(1):46–8
Diaphragmatic palsy following open heart surgery. Gupta V, et al. **Indian Heart J** 1986 Mar–Apr;38(2):124–8
Adult onset of nemaline myopathy presenting as diaphragmatic paralysis [letter] Harati Y, et al.
J Neurol Neurosurg Psychiatry 1987 Jan;50(1):108–10
Sudden infant death syndrome. The role of putrefactive toxins in respiratory paralysis and cerebral coma. Reid GM.
Med Hypotheses 1987 Mar;22(3):303–7
[Phrenic paralysis after heart surgery with extracorporeal

circulation. Apropos of 34 cases] Abellan MC, et al. **Ann Chir** 1986 Nov;40(8):529–32 (Eng. Abstr.) **(Fre)**

[Pulse therapy in severe dermato/polymyositis with respiratory paralysis] Magalhães IL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):136–40 (Eng. Abstr.) **(Por)**

[Reversible unilateral diaphragmatic paralysis associated with systemic Loxosceles poisoning] de Rezende NA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov–Dec;28(6):437–41 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

Familial bilateral paralysis of diaphragm. Adult onset. Molho M, et al. **Chest** 1987 Mar;91(3):466–7

PHYSIOPATHOLOGY

Assessment of hemidiaphragmatic "paralysis" [letter] Gandevia SC. **Am Rev Respir Dis** 1987 May;135(5):1214–5

Effect of acute diaphragm paralysis on ventilation in awake and sleeping dogs. Stradling JR, et al. **Am Rev Respir Dis** 1987 Sep;136(3):633–7

Diaphragm weakness. Mier A, et al. **J R Soc Med** 1987 May; 80(5):315–6

REHABILITATION

Progressive resistive exercise in weaning high quadriplegics from the ventilator. Lerman RM, et al. **Paraplegia** 1987 Apr;25(2):130–5

THERAPY

The Swedish experience in phrenic nerve stimulation. Fodstad H. **PACE** 1987 Jan;10(1 Pt 2):246–51

Direct diaphragm stimulation. Mugica J, et al. **PACE** 1987 Jan;10(1 Pt 2):252–6

Comparative study of electrophrenic nerve stimulation and mechanical ventilatory support in traumatic spinal cord injury. Carter RE, et al. **Paraplegia** 1987 Apr;25(2):86–91

Permanent artificial respiration by diaphragm pacemaker in tetraplegic children. Garrido H, et al. **Paraplegia** 1986 Oct; 24(5):276–81

RESPIRATORY PROTECTIVE DEVICES see under **PROTECTIVE DEVICES**

RESPIRATORY SOUNDS

A breathing-circuit stethoscope for continuous monitoring of breath sounds [letter] Kainuma M, et al. **Anesth Analg** 1987 Oct;66(10):1057–8

Relationship between esophageal temperature gradient and heart and lung sounds heard by esophageal stethoscope. Kaufman RD. **Anesth Analg** 1987 Oct;66(10):1046–8

Para-Tracheal Audible Respiratory Monitor (PTARM) [letter] Eldor J, et al. **Can J Anaesth** 1987 May;34(3 (Pt 1)):328

Nomenclature used by health care professionals to describe breath sounds in asthma. Pasterkamp H, et al. **Chest** 1987 Aug;92(2):346–52

Reduction of heart sounds from lung sounds by adaptive filtering. Iyer VK, et al. **IEEE Trans Biomed Eng** 1986 Dec;33(12):1141–8

Say ninety-nine [editorial] **Lancet** 1986 Nov 29; 2(8518):1258–9

Comparison of the lung sound frequency spectra of infants and adults. Kanga JF, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):292–5

Wheezing in infants: the response to epinephrine. Lowell DI, et al. **Pediatrics** 1987 Jun;79(6):939–45

Effects of lung volume and airflow on the frequency spectrum of vesicular lung sounds. Kraman SS. **Respir Physiol** 1986 Oct;66(1):1–9

Relations between clinical signs and lung function in bronchial asthma: how is acute bronchial obstruction reflected in dyspnoea and wheezing? Baumann UA, et al. **Respiration** 1986;50(4):294–300

[Pathophysiological bases of lung auscultation] Mori M, et al. **Kokyu To Junkan** 1986 Jun;34(6):631–5 **(Jpn)**

[Study of the informative value of pulmophonographic indices using the technic of linear discriminant analysis] Priimak AA, et al. **Probl Tuberk** 1986;(11):33–5 (Eng. Abstr.) **(Rus)**

[Current status of pulmonary auscultation] de Castro del Pozo S, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):71–2 **(Spa)**

CHEMICALLY INDUCED

Cough and wheezing from beclomethasone aerosol. Shim C, et al. **Chest** 1987 Feb;91(2):207–9

COMPLICATIONS

Sleep apnoea in infants with congenital stridor. Abreu e Silva FA, et al. **Arch Dis Child** 1986 Nov;61(11):1125–67

The posterior crico-arytenoid muscle in two cases of Shy-Drager syndrome with laryngeal stridor. Comparison of the histological, histochemical and biometric findings. DeReuck J, et al. **J Neurol** 1987 Apr;234(3):187–90

Stridor during dystonic phases of Parkinson's disease [letter] Corbin DO, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun; 50(6):821–2

DIAGNOSIS

Monitoring bilateral breath sounds [letter] Schwartz N. **Anesthesiology** 1987 May;66(5):711–2

Severe recurrent pneumonia and wheezing in a young infant. Levy DS, et al. **Ann Allergy** 1987 Apr;58(4):241–2, 271–2

Tuberculosis presenting as stridor. Hodder RV, et al. **Ann Thorac Surg** 1987 Jan;43(1):98–9

Subjective assessment vs computer analysis of wheezing in asthma. Pasterkamp H, et al. **Chest** 1987 Mar;91(3):376–81

Digital signal processing of stridor and snoring in children. Leiberman A, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):173–85

Psychogenic upper airway obstruction presenting as refractory wheezing. Barnes SD, et al. **J Pediatr** 1986 Dec; 109(6):1067–70

DRUG THERAPY

Paradoxical deterioration in lung function after nebulised salbutamol in wheezy infants. O'Callaghan C, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1424–5

ETIOLOGY

Recurrent wheezing episodes following parainfluenza virus bronchiolitis [letter] Nigro G, et al. **Am J Dis Child** 1987 Jul;141(7):720–1

The effect of passive smoking on pulmonary function and nonspecific bronchial responsiveness in a population-based sample of children and young adults [published erratum appears in Am Rev Respir Dis 1987 Aug;136(2):532] O'Connor GT, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):800–4

Recurrent exercise-induced stridor in an adolescent. Balasubramaniam SK, et al. **Ann Allergy** 1986 Oct; 57(4):243, 287–8

Cough and wheezing from beclomethasone dipropionate aerosol are absent after triamcinolone acetonide. Shim CS, et al. **Ann Intern Med** 1987 May;106(5):700–3

Wheezing and stridor. Hollingsworth HM. **Clin Chest Med** 1987 Jun;8(2):231–40 (60 ref.)

Inspiratory stridor and dysphagia because of prolonged oesophageal foreign body. Vos GD, et al. **Eur J Pediatr** 1987 Jan;146(1):86–7

Stridor due to drug-induced hypokalaemic alkalosis. Sarkar SK. **J Laryngol Otol** 1987 Feb;101(2):197–8

Management of Chiari II complications in infants with myelomeningocele. Charney EB, et al. **J Pediatr** 1987 Sep; 111(3):364–71

Predictive value of respiratory syncytial virus-specific IgE responses for recurrent wheezing following bronchiolitis. Welliver RC, et al. **J Pediatr** 1986 Nov;109(5):776–80

Stridor due to cricoarytenoid arthritis in pauciarticular onset juvenile rheumatoid arthritis. Malleson P, et al. **J Rheumatol** 1986 Oct;13(5):952–3

Laryngeal manifestations of drug induced lupus. Maxwell D, et al. **J Rheumatol** 1987 Apr;14(2):375–7

Exercise-induced stridor [letter] Storr J. **Lancet** 1987 Jan 17;1(8525):157

Stridor and occult dysphagia. Swischuk LE. **Pediatr Emerg Care** 1986 Dec;2(4):264–5

Breast feeding and maternal smoking as predictors of wheezing in children age 6 to 10 years. McConnochie KM, et al. **Pediatr Pulmonol** 1986 Sep–Oct;2(5):260–8

[Stridor in the neonatal period in heterotopic gastric mucosa of the hypopharynx] Hüttenbrink KB, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):67–9 (Eng. Abstr.) **(Ger)**

HISTORY

[Apropos of the etiology of congenital inspiratory stridor (article published in German in the Jahrbuch für Kinderheilkunde, 1911). W.P. Shukowski] **Ann Chir Plast Esthet** 1987;32(2):187–93 **(Fre)**

PHYSIOPATHOLOGY

Forced expiratory wheezes are a manifestation of airway flow limitation. Gavriely N, et al. **J Appl Physiol** 1987 Jun; 62(6):2398–403

Production mechanism of crackles in excised normal canine lungs. Munakata M, et al. **J Appl Physiol** 1986 Sep; 61(3):1120–5

Forecasting asthmatic wheezing using temperature velocity. Silber JH. **Pediatr Emerg Care** 1987 Mar;3(1):13–7

Effects of nebulized fenoterol, associated with ipratropium or steroids, on the heart rate of infants under one year of age with acute wheezing. Mallol J, et al. **Pediatr Pulmonol** 1987 Mar–Apr;3(2):83–5

PSYCHOLOGY

Psychosomatic stridor and wheezing. Brashear RE. **Indiana Med** 1987 May;80(5):444–6

RESPIRATORY SYNCYTIAL VIRUSES

The G glycoprotein of human respiratory syncytial viruses of subgroups A and B: extensive sequence divergence between antigenically related proteins. Johnson PR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5625–9

ANALYSIS

Structural differences between subtype A and B strains of respiratory syncytial virus. Norrby E, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2721–9

Heterogeneity of the respiratory syncytial virus 22K protein revealed by Western blotting with monoclonal antibodies [published erratum appears in J Gen Virol 1987 Aug;68(Pt 8):2272] Routledge EG, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1209–15

Expression of the respiratory syncytial virus 22K protein on the surface of infected HeLa cells. Routledge EG, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1217–22

CLASSIFICATION

Subgroup characteristics of respiratory syncytial virus strains recovered from children with two consecutive infections. Mufson MA, et al. **J Clin Microbiol** 1987 Aug;25(8):1535–9

DRUG EFFECTS

Inhibitory effects of antiviral compounds on respiratory syncytial virus replication in vitro. Kawana F, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1225–30

In vitro effect of ascorbic acid on infectivity of herpesviruses and paramyxoviruses. White LA, et al. **J Clin Microbiol** 1986 Oct;24(4):527–31

GENETICS

Monoclonal antibodies demonstrate heterogeneity in the G glycoprotein of prototype strains and clinical isolates of respiratory syncytial virus. Storch GA, et al. **J Med Virol** 1987 Aug;22(4):345–56

Recombinant vaccinia viruses carrying the N gene of human respiratory syncytial virus: studies of gene expression in cell culture and immune response in mice. King AM, et al. **J Virol** 1987 Sep;61(9):2885–90

Expression of the fusion protein of human respiratory syncytial virus from recombinant vaccinia virus vectors and protection of vaccinated mice. Wertz GW, et al. **J Virol** 1987 Feb;61(2):293–301

Gene overlap and site-specific attenuation of transcription of the viral polymerase L gene of human respiratory syncytial virus. Collins PL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5134–8

GROWTH & DEVELOPMENT

Interferon-mediated self-limiting growth of respiratory syncytial virus in mouse embryo cells. Hanada N, et al. **J Med Virol** 1986 Dec;20(4):363–70

IMMUNOLOGY

Neutralizing activity in human milk fractions against respiratory syncytial virus. Laegreid A, et al. **Acta Paediatr Scand** 1986 Sep;75(5):696–701

Modulation of monocyte Mo2 surface antigen expression by exposure to respiratory syncytial virus. Baumann MA, et al. **Am J Hematol** 1987 Jul;25(3):337–40

Age related IgG subclass response to respiratory syncytial virus fusion protein in infected infants. Watt PJ, et al. **Clin Exp Immunol** 1986 Jun;64(3):503–9

Critical evaluation of viral antigen data in Paget's disease of bone. Mills BG, et al. **Clin Orthop** 1987 Apr;(217):16–25

Antigenic variations of respiratory syncytial virus in recurrent infections [letter] Pothier P, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):212

Human mononuclear phagocytic cell interaction with some Paramyxoviridae. Bonina L, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec;78(7–12):254–61

Passively acquired antibodies to respiratory syncytial virus impair the secondary cytotoxic T-cell response in the neonatal mouse. Bangham CR. **Immunology** 1986 Sep; 59(1):37–41

Bovine respiratory syncytial virus vaccine [letter] Sharp AJ. **J Am Vet Med Assoc** 1986 Oct 15;189(8):856

Local and systemic antibody response to bovine respiratory syncytial virus infection and reinfection in calves with and without maternal antibodies. Kimman TG, et al. **J Clin Microbiol** 1987 Jun;25(6):1097–106

Diagnostic efficacy of two rapid tests for detection of respiratory syncytial virus antigen. Kumar ML, et al. **J Clin Microbiol** 1987 May;25(5):873–5

Effect of age and preexisting antibody on serum antibody response of infants and children to the F and G glycoproteins during respiratory syncytial virus infection. Murphy BR, et al. **J Clin Microbiol** 1986 Nov;24(5):894–8

Simplified enzyme-linked immunosorbent assay for specific antibodies to respiratory syncytial virus. Vaur L, et al. **J Clin Microbiol** 1986 Oct;24(4):596–9

Differential immunoglobulin G subclass antibody titers to respiratory syncytial virus F and G glycoproteins in adults. Wagner DK, et al. **J Clin Microbiol** 1987 Apr;25(4):748–50

Immunoblot analysis of the human antibody response to respiratory syncytial virus infection. Gimenez HB, et al. **J Gen Virol** 1987 May;68 (Pt 5):1267–75

Cytotoxic T cell specificity for respiratory syncytial virus proteins: fusion protein is an important target antigen. Pemberton RM, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2177–82

Monoclonal antibodies to the large glycoproteins of respiratory syncytial virus: possible evidence for several functional antigenic sites. Tsutsumi H, et al.

J Gen Virol 1987 Aug;68 (Pt 8):2161–7

Immunological differences between the envelope glycoproteins of two strains of human respiratory syncytial virus. Walsh EE, et al. J Gen Virol 1987 Aug;68 (Pt 8):2169–76

Capture-ELISA for serum IgM antibody to respiratory syncytial virus. Cevenini R, et al. J Hyg (Lond) 1986 Dec; 97(3):511–7

Human and murine cytotoxic T cells specific to respiratory syncytial virus recognize the viral nucleoprotein (N), but not the major glycoprotein (G), expressed by vaccinia virus recombinants. Bangham CR, et al. J Immunol 1986 Dec 15;137(12):3973–7

Effect of ribavirin therapy on respiratory syncytial virus-specific IgE and IgA responses after infection. Rosaer IK, et al. J Infect Dis 1987 May;155(5):1043–7

Immunization with glycoprotein subunits of respiratory syncytial virus to protect cotton rats against viral infection. Walsh EE, et al. J Infect Dis 1987 Jun;155(6):1198–204

Mammary immunity in mothers of infants with respiratory syncytial virus infection. Nandapalan N, et al. J Med Virol 1987 Jul;22(3):277–87

Seasonal variations in maternal serum and mammary immunity to RS virus. Nandapalan N, et al. J Med Virol 1986 Sep;20(1):79–87

Lymphocyte transformation response of calves to respiratory syncytial virus. Taylor G, et al. J Med Virol 1987 Aug; 22(4):333–44

Virus-specific IgE and IgG4 antibodies in serum of children infected with respiratory syncytial virus. Bui RH, et al. J Pediatr 1987 Jan;110(1):87–90

Predictiv value of respiratory syncytial virus-specific IgE responses for recurrent wheezing following bronchiolitis. Welliver RC, et al. J Pediatr 1986 Nov;109(5):776–80

Antigenic relatedness between glycoproteins of human respiratory syncytial virus subgroups A and B: evaluation of the contributions of F and G glycoproteins to immunity. Johnson PR Jr, et al. J Virol 1987 Oct;61(10):3163–6

Effectiveness of topically administered neutralizing antibodies in experimental immunotherapy of respiratory syncytial virus infection in cotton rats. Prince GA, et al. J Virol 1987 Jun;61(6):1851–4

Human respiratory syncytial virus glycoprotein G expressed from a recombinant vaccinia virus vector protects mice against live-virus challenge. Stott EJ, et al. J Virol 1986 Nov;60(2):607–13

Specific human cytotoxic T cells recognize B-cell lines persistently infected with respiratory syncytial virus. Bangham CR, et al. Proc Natl Acad Sci USA 1986 Dec; 83(23):9183–7

Site-directed serology with synthetic peptides representing the large glycoprotein G of respiratory syncytial virus. Norrby E, et al. Proc Natl Acad Sci USA 1987 Sep; 84(18):6572–6

Expression of the F glycoprotein of respiratory syncytial virus by a recombinant vaccinia virus: comparison of the individual contributions of the F and G glycoproteins to host immunity. Olmsted RA, et al. Proc Natl Acad Sci USA 1986 Oct;83(19):7462–6

In vitro and in vivo stimulation of murine lymphocytes by human respiratory syncytial virus strains. Alsheikhly AR, et al. Scand J Immunol 1987 Aug;26(2):161–73

Differences in fluorescent antibody staining of bovine respiratory syncytial virus-infected cells by ovine and bovine sera. Adair BM, et al. Vet Microbiol 1987 Jan; 13(1):87–91

ISOLATION & PURIFICATION

Strategy for efficient detection of respiratory viruses in pediatric clinical specimens. Arens MQ, et al. Diagn Microbiol Infect Dis 1986 Nov;5(4):307–12

Comparison of nasopharyngeal aspirate and nasopharyngeal swab specimens for respiratory syncytial virus diagnosis by cell culture, indirect immunofluorescence assay, and enzyme-linked immunosorbent assay. Ahluwalia G, et al. J Clin Microbiol 1987 May;25(5):763–7

Comparison of HEp-2 cell culture and Abbott respiratory syncytial virus enzyme immunoassay. Bromberg K, et al. J Clin Microbiol 1987 Feb;25(2):434–6

Comparison of three rapid diagnostic techniques for detection of respiratory syncytial virus from nasal wash specimens. Chonmaitree T, et al. J Clin Microbiol 1987 Apr; 25(4):746–7

Comparison of two new tests for rapid diagnosis of respiratory syncytial virus infections by enzyme-linked immunosorbent assay and immunofluorescence techniques. Freymuth F, et al. J Clin Microbiol 1986 Dec;24(6):1013–6

Peroxidase-antiperoxidase assay for rapid detection of respiratory syncytial virus in nasal epithelial specimens from infants and children. Jalowayski AA, et al. J Clin Microbiol 1987 Apr;25(4):722–5

Rapid diagnosis of respiratory syncytial virus infection by antigen immunofluorescence detection with monoclonal antibodies and immunoglobulin M immunofluorescence test. Kadi Z, et al. J Clin Microbiol 1986 Dec;24(6):1038–40

METABOLISM

Appearance of a soluble form of the G protein of respiratory syncytial virus in fluids of infected cells. Hendricks DA, et al. J Gen Virol 1987 Jun;68 (Pt 6):1705–14

Expression and glycosylation of the respiratory syncytial virus G protein in Saccharomyces cerevisiae. Ding MX, et al. Virology 1987 Aug;159(2):450–3

PHYSIOLOGY

Respiratory virus infection of peripheral blood monocytes: correlation with ageing of cells and interferon production in vitro. Krilov LR, et al. J Gen Virol 1987 Jun;68 (Pt 6):1749–53

RESPIRATORY SYSTEM

Foreign bodies of the air and food passages in children [editorial] Healy GB. Am J Dis Child 1987 Mar;141(3):249

Spinability of respiratory mucous. Validation of a new apparatus: the Filancemeter. Zahm JM, et al. Bull Eur Physiopathol Respir 1986 Nov-Dec;22(6):609–13

Augmented ventilatory activities after airway anaesthesia in humans. Tanaka Y, et al. Jpn J Physiol 1986;36(4):645–56

Removal of massive multiple foreign bodies with the ventilating rigid bronchoscope. Fluvog JT. Panminerva Med 1986 Jul-Sep;28(3):237–40

[Rhinoepithelial, cystic choristoma of the orbit] Henke V, et al. Klin Monatsbl Augenheilkd 1987 Mar;190(3):192–5 (Eng. Abstr.) (Ger)

ABNORMALITIES

An overview of the congenital malformations of the lower respiratory tract. Joshi RM, et al. Indian J Chest Dis Allied Sci 1986 Jan-Mar;28(1):6–10

Is there a place for rigid bronchoscopy in the management of pediatric lung disease? Godfrey S, et al. Pediatr Pulmonol 1987 May-Jun;3(3):179–84

[The role of anomalies in recurrent respiratory diseases] Puchmajerová J, et al. Cesk Pediatr 1986 Nov;41(11):633–5 (Eng. Abstr.) (Cze)

[Differential diagnosis and therapy of abnormalities of the respiratory tract] Brandt RH, et al. Z Erkr Atmungsorgane 1986;167(3):266–72 (Eng. Abstr.) (Ger)

ANALYSIS

Regulatory peptides in the respiratory system. Barnes PJ. Experientia 1987 Jul 15;43(7):832–9

Species differences in upper respiratory tract deposition of acetone and ethanol vapors. Morris JB, et al. Fundam Appl Toxicol 1986 Nov;7(4):671–80

ANATOMY & HISTOLOGY

Microscopic and submicroscopic anatomy of the parabronchi, air sacs, and respiratory space of the budgerigar (Melopsittacus undulatus). Smith JH, et al. Am J Anat 1986 Oct;177(2):221–42

Airway area by acoustic response measurements and computerized tomography. D'Urzo AD, et al. Am Rev Respir Dis 1987 Feb;135(2):392–5

Small airway pressure-diameter relationships during nonhomogeneous lung lobe inflation. Olson LE. J Appl Physiol 1987 Jun;62(6):2377–82

Artifacts in ultrastructure of respiratory cilia caused by various fixation procedures and different types of handling. Rautiainen M, et al. ORL J Otorhinolaryngol Relat Spec 1987;49(4):193–8

BLOOD SUPPLY

Effect of cold and warm dry air hyperventilation on canine airway blood flow. Baile EM, et al. J Appl Physiol 1987 Feb;62(2):526–32

CYTOLOGY

Culture of airway epithelial cells: research techniques. Van Scott MR, et al. Exp Lung Res 1986;11(2):75–94 (136 ref.)

M cells and host defense. Sneller MC, et al. J Infect Dis 1986 Nov;154(5):737–41

Hormonal and environmental regulation of respiratory mucus cell differentiation. Wu R, et al. Prog Clin Biol Res 1986; 226:319–32 (29 ref.)

DRUG EFFECTS

Effects of dietary poly-unsaturated fatty acids on the beta-adrenergic receptor reactivity in the guinea pig respiratory system. Loesberg C, et al. Agents Actions 1986 Dec;19(5–6):359–60

Cardiorespiratory response to cyanide of arterial chemoreceptors in fetal lambs. Itskovitz J, et al. Am J Physiol 1987 May;252(5 Pt 2):H916–22

Pathologic changes associated with experimental lasalocid and monensin toxicosis in cattle. Galitzer SJ, et al. Am J Vet Res 1986 Dec;47(12):2624–6

The effect of rhamnolipid hemolysin of Pseudomonas aeruginosa on respiratory epithelium [letter] Hastie AT, et al. Am Rev Respir Dis 1987 Feb;135(2):513–4

Ultrastructural changes in the respiratory tract of rats following methyl isocyanate inhalation. Dinsdale D, et al. Arch Toxicol 1987 Apr;59(6):385–90

Increased ventilatory chemosensitivity induced by domperidone, a dopamine antagonist, in healthy humans. Delpierre S, et al. Bull Eur Physiopathol Respir 1987 Jan-Feb;23(1):31–5

Effect of phorbol esters on clonal cultures of human, hamster, and rat respiratory epithelial cells. Beeman DK, et al. Cancer Res 1987 Jan 15;47(2):541–6

The impact of substance abuse on the respiratory system. Glassroth J, et al. Chest 1987 Apr;91(4):596–602 (65 ref.)

Theophylline and mucociliary clearance. Ziment I. Chest 1987 Jul;92(1 Suppl):38S–43S (43 ref.)

SRS-A leukotrienes decrease the activity of human respiratory cilia. Bisgaard H, et al. Clin Allergy 1987 Mar; 17(2):95–103

Two-hour methyl isocyanate inhalation exposure and 91-day recovery: a preliminary description of pathologic changes in F344 rats. Bucher JR, et al. Environ Health Perspect 1987 Jun;72:71–5

Respiratory tract changes in guinea pigs, rats, and mice following a single six-hour exposure to methyl isocyanate vapor. Fowler EH, et al. Environ Health Perspect 1987 Jun;72:109–16

Eighty-five day postexposure follow-up study in Fischer 344 rats after repeated exposures to methyl isocyanate vapor. Fowler EH, et al. Environ Health Perspect 1987 Jun; 72:125–32

Epidemiological-environmental study of diesel bus garage workers: acute effects of NO2 and respirable particulate on the respiratory system. Gamble J, et al. Environ Res 1987 Feb;42(1):201–14

Influence of substance P on ciliary beat frequency in airway isolated preparations. Khan AR, et al. Eur J Pharmacol 1986 Oct 14;130(1–2):91–6

Morphology of tracheal and bronchial epithelium and type II cells of the peripheral lung of the guinea pig after inhalation of toluene diisocyanate vapors. Miller ML, et al. Exp Lung Res 1986;11(2):145–63

Inhibition of rhesus monkey airway and cutaneous responses to platelet-activating factor (PAF) (AGEPC) with the anti-PAF agent SRI 63-072. Patterson R, et al. Int Arch Allergy Appl Immunol 1986;81(3):265–8

Pyocyanin and 1-hydroxyphenazine produced by Pseudomonas aeruginosa inhibit the beating of human respiratory cilia in vitro. Wilson R, et al. J Clin Invest 1987 Jan;79(1):221–9

Effects of diltiazem on morphine-induced respiratory decline. Szikszay M, et al. J Pharm Pharmacol 1986 Aug; 38(8):625–7

Histamine contraction of isolated human airway muscle preparations: role of prostaglandins. Haye-Legrand I, et al. J Pharmacol Exp Ther 1986 Nov;239(2):536–41

Temporal factors influencing the development of acute tolerance to opiates. Hovav E, et al. J Pharmacol Exp Ther 1987 Jul;242(1):251–6

Analysis of airway responses to A23187 in the cat. Kriseman T, et al. J Pharmacol Exp Ther 1986 Nov;239(2):395–9

The synthesis of N-acetyl-leukotriene E4 and its effects on cardiovascular and respiratory function of the anesthetized pig. Foster A, et al. Prostaglandins 1986 Jun;31(6):1077–86

Airway responsiveness to histamine or methacholine: advances in measurement and interpretation. Hargreave FE, et al. Respiration 1986;50 Suppl 2:72–6

[A peptide (a magnesium salt of N-acetyl (alpha, beta)-aspartyl-glutamic acid). Demonstration of the protection against local cellular destruction induced by in situ complement activation] Chevance LG, et al. J Pharmacol 1986 Oct-Dec;17(4):676–85 (Eng. Abstr.) (Fre)

[Effects of chromium compounds on the respiratory system. 5. Long term inhalation of chromic acid mist in electroplating by C57BL female mice and recapitulation of our experimental studies] Adachi S. Sangyo Igaku 1987 Jan;29(1):17–33 (Eng. Abstr.) (Jpn)

[Comparative study of the effect of trental, menthol and obzidan and their combinations on the function of the cardiorespiratory system in operators under extreme conditions] Makoeva LD, et al. Farmakol Toksikol 1986 Sep-Oct;49(5):88–90 (Eng. Abstr.) (Rus)

[Treatment of lesions of the respiratory organs and the eyes in inhalational poisoning by irritants] Savvaitova NI, et al. Sov Med 1986;(8):81–3 (Rus)

EMBRYOLOGY

Oxygen consumption of the chick embryo's respiratory organ, the chorioallantoic membrane. Ar A, et al. Respir Physiol 1987 Jun;68(3):377–88

ENZYMOLOGY

Carboxylesterases in the respiratory tracts of rabbits, rats and Syrian hamsters. Dahl AR, et al. Toxicol Lett 1987 Apr; 36(2):129–36

[Method of assessing alkaline phosphatase activity in the cylindrical epithelium of the respiratory tract in healthy children] Matveeva LA. Lab Delo 1987;(6):422–4 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Characterization and in vivo distribution of influenza-virus-specific T-lymphocytes in the murine respiratory tract. McDermott MR, et al. Am Rev Respir Dis 1987 Jan;135(1):245–9

Mucosal immunological protection mechanisms in the airways. Bienenstock J. Eur J Respir Dis [Suppl] 1986; 147:62–71 (51 ref.)

Airway hyper-reactivity and blood, lung and airway eosinophilia in rats treated with Sephadex particles.

Laycock SM, et al. **Int Arch Allergy Appl Immunol** 1986; 81(4):363–7

Quantification of immunoglobulins in respiratory tract secretions of the horse. Mair TS, et al. **Vet Immunol Immunopathol** 1987 Feb;14(2):197–203

[Immune barriers of the mucous membrane of the upper respiratory and digestive tracts] Brandtzaeg P. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):225–36 (Eng. Abstr.) **(Ger)**

[Immuno–peroxidase study of Langerhans' cells in the normal and fibrotic respiratory system] Miyake H, et al. **Arerugi** 1986 Jul;35(7):475–80 (Eng. Abstr.) **(Jpn)**

INJURIES

Scald injury of the respiratory tract: an unusual occurrence. Desai MH, et al. **J Burn Care Rehabil** 1987 May–Jun; 8(3):210–2

Bronchofiberscopy in airway burn. Taguchi H, et al. **Panminerva Med** 1986 Jul–Sep;28(3):211–5

[A severe isolated burn of the respiratory tract] Boenko SK, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):78–9 **(Rus)**

INNERVATION

Peripheral airway ganglia. Coburn RF. **Annu Rev Physiol** 1987;49:573–82 (62 ref.)

Innervation of airway smooth muscle: fine structure. Gabella G. **Annu Rev Physiol** 1987;49:583–94 (60 ref.)

Organization of central control of airways. Kalia MP. **Annu Rev Physiol** 1987;49:595–609 (40 ref.)

Polypeptide–containing neurons in airway smooth muscle. Lundberg JM, et al. **Annu Rev Physiol** 1987;49:557–72 (107 ref.)

Calcitonin gene–related peptide is localised to human airway nerves and potently constricts human airway smooth muscle. Palmer JB, et al. **Br J Pharmacol** 1987 May; 91(1):95–101

Excitability of 'silent' respiratory neurons during sleep–waking states: an iontophoretic study in undrugged chronic cats. Foutz AS, et al. **Brain Res** 1987 Feb 24; 404(1–2):10–20

Cardiorespiratory effects produced by microinjecting L–glutamic acid into medullary nuclei associated with the ventral surface of the feline medulla. Gatti PJ, et al. **Brain Res** 1986 Sep 3;381(2):281–8

Differential effects of halothane anesthesia on the pattern of discharge of inspiratory and expiratory neurons in the region of the retrofacial nucleus. Grelot L, et al. **Brain Res** 1987 Feb 24;404(1–2):335–8

Autonomic control and mucociliary functions. Wanner A. **Chest** 1987 May;91(5 Suppl):49S–51S (31 ref.)

Bilateral convergence of pulmonary stretch receptor inputs on I beta–neurons in the cat. Kubin L, et al. **J Appl Physiol** 1987 Apr;62(4):1488–96

Projections to areas of the nucleus tractus solitarii related to circulatory and respiratory responses in cats. Onai T, et al. **J Auton Nerv Syst** 1987 Feb;18(2):163–75

NANC nerves in airways [editorial] **Lancet** 1986 Nov 29; 2(8518):1253–4

Role of alpha–adrenergic receptors in cartilaginous and non–cartilaginous human airways. Mukherjee A, et al. **Methods Find Exp Clin Pharmacol** 1986 Nov;8(11):667–73

Cross–correlation between vagal afferent impulses from pulmonary mechanoreceptors and high–frequency inflation (HFI) and deflation (HFD) in rabbits. Homma I, et al. **Neurosci Lett** 1987 Apr 10;75(3):299–302

Effects of pentobarbital and flurazepam on respiratory neurons in undrugged cats. Denavit–Saubié M, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):647–51

Innervation of airway smooth muscle. Efferent mechanisms. Andersson RG, et al. **Pharmacol Ther** 1987;32(2):107–30 (220 ref.)

Sensory innervation of the lungs and airways. Widdicombe JG. **Prog Brain Res** 1986;67:49–64

Adrenergic and non–adrenergic, non–cholinergic control of airways. Barnes PJ. **Respiration** 1986;50 Suppl 2:9–16

Role of the parasympathetic cholinergic system in normal and obstructed airways. Widdicombe JG. **Respiration** 1986; 50 Suppl 2:1–8

METABOLISM

Respiratory proteins from extremely thermophilic, aerobic bacteria. Fee JA, et al. **Biochim Biophys Acta** 1986; 853(2):153–85 (206 ref.)

A protein that inhibits surfactant in respiratory distress syndrome. Ikegami M, et al. **Biol Neonate** 1986;50(3):121–9

Penetration of antibiotics into the respiratory tract [editorial] Symonds J. **Br Med J [Clin Res]** 1987 May 9; 294(6581):1181–2

Analysis of airway fluid protein concentration in neurogenic pulmonary edema. Maron MB. **J Appl Physiol** 1987 Feb; 62(2):470–6

Cyclooxygenase metabolites are compartmentalized in the human lower respiratory tract. Ozaki T, et al. **J Appl Physiol** 1987 Jan;62(1):219–22

Neuroleptics antagonize a calcium–activated potassium channel in airway smooth muscle. McCann JD, et al. **J Gen Physiol** 1987 Feb;89(2):339–52

Water–sealed closed–circuit rebreathing system for measurement of energy expenditure in infants [letter] Winthrop AL, et al. **J Pediatr Surg** 1986 Oct;21(10):917

Inhaled particle deposition and clearance from the normal respiratory tract. Becquemin MH, et al. **Respir Physiol** 1987 Feb;67(2):147–58

Deposition of sidestream cigarette smoke in the human respiratory tract. II. Deposition of ultrafine smoke particles. Hiller FC, et al. **Toxicol Lett** 1987 Jan;35(1):95–9

Extrapolation from rat studies with environmental tobacco smoke (ETS) to humans: comparison of particle mass deposition and of clearance behavior of ETS compounds. Oberdörster G, et al. **Toxicol Lett** 1987 Jan;35(1):107–12

MICROBIOLOGY

Tracheal mucus transport rate and bacterial clearance in turkeys exposed by aerosol to La Sota strain of Newcastle disease virus. Ficken MD, et al. **Avian Dis** 1987 Apr–Jun; 31(2):241–8

Colonisation of Haemophilus influenzae and Streptococcus pneumoniae in the upper respiratory tract of neonates in Papua New Guinea: primary acquisition, duration of carriage, and relationship to carriage in mothers. Gratten M, et al. **Biol Neonate** 1986;50(2):114–20

Colonization of the respiratory tract with Pseudomonas cepacia in cystic fibrosis. Risk factors and outcomes. Tablan OC, et al. **Chest** 1987 Apr;91(4):527–32

Bacteriologic assessment of the lower respiratory tract in intubated patients. Baigelman W, et al. **Crit Care Med** 1986 Oct;14(10):864–8

A comparison of the distribution of pneumococcal types in systemic disease and the upper respiratory tract in adults and children. Smart LE, et al. **Epidemiol Infect** 1987 Apr; 98(2):203–9

Piracy of adhesins: attachment of superinfecting pathogens to respiratory cilia by secreted adhesins of Bordetella pertussis. Tuomanen E. **Infect Immun** 1986 Dec;54(3):905–8

Retrospective study of Gen–Probe rapid diagnostic system for detection of legionellae in frozen clinical respiratory tract samples. Edelstein PH, et al. **J Clin Microbiol** 1987 Jun;25(6):1022–6

Prevalence of thymidine–dependent Staphylococcus aureus in patients with cystic fibrosis. Gilligan PH, et al. **J Clin Microbiol** 1987 Jul;25(7):1258–61

Evaluation of three types of cell culture for recovery of adenovirus from clinical specimens. Krisher KK, et al. **J Clin Microbiol** 1987 Jul;25(7):1323–4

Mycoplasma felifaucium, a new species isolated from the respiratory tract of pumas. Hill AC. **J Gen Microbiol** 1986 Jul;132 (Pt 7):1923–8

Selective infections of olfactory and respiratory epithelium by vesicular stomatitis and Sendai viruses. Lundh B, et al. **Neuropathol Appl Neurobiol** 1987 Mar–Apr;13(2):111–22

Isolation of hemagglutinating encephalomyelitis virus from respiratory tract of pigs in Japan. Hirahara T, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):85–93

Isolation of Chlamydia psittaci from the respiratory tract and conjunctivae of thoroughbred horses. Burrell MH, et al. **Vet Rec** 1986 Sep 20;119(12):302–3

[From the point of view of infection] Matsumoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1221–6 (Eng. Abstr.) **(Jpn)**

[Sendai virus replication in primary epithelial cells of mice] Kanzaki LI. **Rev Inst Med Trop Sao Paulo** 1987 Jan–Feb; 29(1):33–6 (Eng. Abstr.) **(Por)**

[Microflora of the upper respiratory tract of normal young children and in respiratory tract diseases. Normal microflora and dysbiosis at different levels of the upper respiratory tract in healthy children and pneumonia patients] Savitskaia KI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):22–9 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Cryptosporidia in the respiratory tract of turkeys. Ranck FM Jr, et al. **Avian Dis** 1987 Apr–Jun;31(2):389–91

PATHOLOGY

Immunoelectron microscopic study on the histogenesis of epidermoid metaplasia in respiratory epithelium. Yamamoto M, et al. **Am Rev Respir Dis** 1987 Mar; 135(3):713–8

Inflammatory mediators, tachykinins and enkephalinase in airways. Lazarus SC, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):372–6 (54 ref.)

Distribution, metabolism and toxicity of inhaled sulfur dioxide and endogenously generated sulfite in the respiratory tract of normal and sulfite oxidase–deficient rats. Gunnison AF, et al. **J Toxicol Environ Health** 1987; 21(1–2):141–62

Role of inflammation in the hyperreactivity of the airways in asthma. Chung KF. **Thorax** 1986 Sep;41(9):657–62 (73 ref.)

Fatal Strongyloides stercoralis infection in a patient receiving corticosteroids. Yee A, et al. **West J Med** 1987 Mar; 146(3):363–4

PHYSIOLOGY

Effect of nitrogen on carbon dioxide elimination during continuous flow apneic ventilation in dogs. Babinski MF, et al. **Acta Anaesthesiol Scand** 1986 Jul;30(5):357–60

Function of vitamin A in the respiratory tract. Chytil F. **Acta Vitaminol Enzymol** 1985;7 Suppl:27–31 (23 ref.)

Role of carotid sinus and aortic nerves in respiratory control of infant rats. Hofer MA. **Am J Physiol** 1986 Oct;251(4 Pt 2):R811–7

Passive exhalation technique correlates with esophageal balloon measurements of respiratory mechanics in beagle pups. Cunningham JC, et al. **Am Rev Respir Dis** 1987 Sep; 136(3):722–6

Comparison of methods of measurement of compliance of the respiratory system in children. Guslits BG, et al. **Am Rev Respir Dis** 1987 Sep;136(3):727–9

Assessment of postmortem respiratory ciliary motility and ultrastructure. Lee RM, et al. **Am Rev Respir Dis** 1987 Aug;136(2):445–7

Funding for physiology or molecular biology from the NHLBI budget [letter] Miller YE. **Am Rev Respir Dis** 1987 Jul;136(1):7

More on pulmonary research: topics, costs another view [editorial] Snider GL. **Am Rev Respir Dis** 1987 Jul; 136(1):5–6

New biology and a new physiology [letter] Voelkel NF. **Am Rev Respir Dis** 1987 Jul;136(1):6–7

Aerosols of smoke, respiratory physiology and deposition. Hollander W, et al. **Arch Toxicol [Suppl]** 1986;9:74–87 (36 ref.)

Effect of exposure to green coffee dust extract on airway reactivity. Zuškin E, et al. **Arh Hig Rada Toksikol** 1986 Jun;37(2):205–16

Mechanisms and management of respiratory symptoms. 22nd annual meeting of the Societas Europaea Physiologiae Clinicae Respiratoriae. Antwerp, 22–26 June 1987. Abstracts. **Bull Eur Physiopathol Respir** 1987;23 Suppl 12:307S–433S

Inflammation: its clinical relevance in airway diseases. Proceedings of an international symposium. Amsterdam, 16–17 March 1986. **Eur J Respir Dis [Suppl]** 1986;147:1–345

Mucus transport and inflammation. Konietzko N. **Eur J Respir Dis [Suppl]** 1986;147:72–9 (33 ref.)

Leukotrienes in health and disease. Feuerstein G, et al. **FASEB J** 1987 Sep;1(3):186–92 (40 ref.)

Acclimatization in shift workers at high altitude: cardiopulmonary measurements. Brown DE, et al. **Hum Biol** 1987 Jun;59(3):399–409

Absence of changes in airway responsiveness during the menstrual cycle. Weinmann GG, et al. **J Allergy Clin Immunol** 1987 Apr;79(4):634–8

Effects of continuous positive airway pressure on upper airway and respiratory muscle activity. Alex CG, et al. **J Appl Physiol** 1987 May;62(5):2026–30

Effect of position and lung volume on upper airway geometry. Fouke JM, et al. **J Appl Physiol** 1987 Jul; 63(1):375–80

Pressure–volume behavior of the upper airway. Fouke JM, et al. **J Appl Physiol** 1986 Sep;61(3):912–8

Airflow–induced bronchoconstriction: role of epithelium and eicosanoid mediators. Freed AN, et al. **J Appl Physiol** 1987 Feb;62(2):574–81

Upper airway dilating forces during wakefulness and sleep in dogs. Goh AS, et al. **J Appl Physiol** 1986 Dec; 61(6):2148–55

Expiratory volume clamping: a new method to assess respiratory mechanics in sedated infants. Grunstein MM, et al. **J Appl Physiol** 1987 May;62(5):2107–14

Finite difference analysis of respiratory heat transfer. Ingenito EP, et al. **J Appl Physiol** 1986 Dec;61(6):2252–9

Inverse modeling of dog airway and respiratory system impedances. Jackson AC, et al. **J Appl Physiol** 1987 Jun; 62(6):2273–82

Breathlessness during exercise with and without resistive loading. el–Manshawi A, et al. **J Appl Physiol** 1986 Sep; 61(3):896–905

Role of ventrolateral medulla in regulation of respiratory and cardiovascular systems. Millhorn DE, et al. **J Appl Physiol** 1986 Oct;61(4):1249–63 (134 ref.)

Effects of gas properties and waveform asymmetry on gas transport in a branching tube network. Paloski WH, et al. **J Appl Physiol** 1987 Mar;62(3):892–901

Influence of upper airway sensory receptors on respiratory muscle activation in humans. Redline S, et al. **J Appl Physiol** 1987 Jul;63(1):368–74

Platelet aggregation increases cholinergic neurotransmission in canine airway. Tamaoki J, et al. **J Appl Physiol** 1987 Jun;62(6):2246–51

Comparison of volume changes in the upper airway and thorax. Teeter JP, et al. **J Appl Physiol** 1987 Jan; 62(1):284–90

Accuracy of the respiratory inductive plethysmograph during loaded breathing. Tobin MJ, et al. **J Appl Physiol** 1987 Feb;62(2):497–505

Homeostatic regulation of airway smooth muscle tone by catecholamine secretion in swine. White SR, et al. **J Appl Physiol** 1987 Mar;62(3):972–7

Effects of mean airway pressure on gas transport during high–frequency ventilation in dogs. Yamada Y, et al. **J Appl Physiol** 1986 Nov;61(5):1896–902

Technique for assessing the response of the respiratory controller to hypoxia and hypercapnia. Nickolls PM, et al. **J Biomed Eng** 1986 Oct;8(4):305–12

Electrophysiological and other aspects of excitation–contraction coupling and uncoupling in mammalian airway smooth muscle. Giembycz MA, et al. **Life Sci** 1987 Jul 13;41(2):111–32 (179 ref.)

Respiratory tract as a flow system. Kamosińska B, et al.

Mater Med Pol 1986 Apr–Jun;18(2):62–5

Airway receptors and asthma. Barnes PJ.
New Engl Reg Allergy Proc 1986 May–Jun;7(3):219–27 (50 ref.)

Ineffective airway clearance and ineffective breathing patterns: theoretical and research base for nursing diagnosis. Kim MJ, et al. **Nurs Clin North Am** 1987 Mar; 22(1):125–34

Single apical membrane anion channels in primary cultures of canine tracheal epithelium. Welsh MJ. **Pflugers Arch** 1986;407 Suppl 2:S116–22

Blockade of 'alveolar' and airway reflexes by local anesthetic aerosol in dogs. Hamilton RD, et al. **Respir Physiol** 1987 Feb;67(2):159–70

Measurement of ventilatory system compliance in infants and young children. Marchal F, et al. **Respir Physiol** 1987 Jun; 68(3):311–8

Adaptive variation in the mammalian respiratory system in relation to energetic demand. Taylor CR, et al.
Respir Physiol 1987 Jul;69(1):1–127

Effect of upper airway pressure pulses on breathing pattern. Woodall DL, et al. **Respir Physiol** 1986 Oct;66(1):71–81

[The characteristics of senile signs in the respiratory system and their early detection] Fukuchi Y, et al.
Nippon Ronen Igakkai Zasshi 1987 Mar;24(2):100–4 (Eng. Abstr.) **(Jpn)**

[Methodologic aspects of high-frequency artificial ventilation of the lungs] Molchanov IV, et al.
Anesteziol Reanimatol 1987 Jan–Feb;(1):54–7 (Eng. Abstr.) **(Rus)**

[Simulation of a steady-state mass-heat exchange in the respiratory tract] Beliakov NA, et al. **Biofizika** 1986 Sep–Oct;31(5):901–7 (Eng. Abstr.) **(Rus)**

[Conditioning function of the respiratory apparatus under different body conditions and states] Agarkov FT.
Fiziol Cheloveka 1986 Nov–Dec;12(6):907–13 **(Rus)**

[Reactions of the cardiorespiratory system to low-intensity infrared laser irradiation of local areas of the skin on the wrist] Seleznev VI, et al. **Fiziol Cheloveka** 1986 Jul–Aug; 12(4):595–600 **(Rus)**

[Ventilatory response to a hypercapnic stimulus as an index of the reactivity of the human respiratory system] Berezovski VA, et al. **Fiziol Zh** 1987 May–Jun;33(3):12–8 (Eng. Abstr.) **(Rus)**

[The physiology of respiration: growth periods] Breslav IS.
Fiziol Zh SSSR 1987 Apr;73(4):441–53 **(Rus)**

[Cardiorespiratory function of workers in the electric steel smelting shop of the Sibelektrostal' Plant] Kostiuk FF, et al. **Gig Tr Prof Zabol** 1987 May;(5):42–3 **(Rus)**

[Effect of increased concentrations of oxygen and carbon dioxide in the air on the status of the cardiorespiratory system] Altukhov VG, et al. **Voen Med Zh** 1987 Apr; (4):39–40 **(Rus)**

[Comparison of resistance in the respiratory system and resistance in the airways] Rebić P, et al. **Plucne Bolesti** 1986 Apr–Jun;38(2):107–10 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Postoperative ventilatory and circulatory effects of heating after aortocoronary bypass surgery. Postoperative external heat supply. Joachimsson PO, et al.
Acta Anaesthesiol Scand 1987 Aug;31(6):532–42

Postoperative ventilatory and circulatory effects of heating after aortocoronary bypass surgery. Extended rewarming during cardiopulmonary bypass and postoperative radiant heat supply. Joachimsson PO, et al.
Acta Anaesthesiol Scand 1987 Aug;31(6):543–9

Cardiorespiratory response to exercise in patients with thalassemia major. Grant GP, et al. **Am Rev Respir Dis** 1987 Jul;136(1):92–7

Bronchoalveolar lavage does not alter airway responsiveness in asthmatic subjects. Kirby JG, et al.
Am Rev Respir Dis 1987 Mar;135(3):554–6

Subunit influenza vaccination in adults with asthma: effect on clinical state, airway reactivity, and antibody response. Albazzaz MK, et al. **Br Med J [Clin Res]** 1987 May 9; 294(6581):1196–7

Histamine as a modulator of airways hyperreactivity. Papers of a symposium of the Canadian Federation of Biological Societies. Guelph, Ontario, Canada, June 17, 1986.
Can J Physiol Pharmacol 1987 Mar;65(3):433–57

Airway epithelium and bronchial reactivity. Vanhoutte PM.
Can J Physiol Pharmacol 1987 Mar;65(3):448–50

The role of mast cell derived mediators in airway hyperresponsiveness. Schulman ES. **Chest** 1986 Oct; 90(4):578–83 (74 ref.)

Noninvasive monitoring of cardiorespiratory parameters. Abraham E. **Emerg Med Clin North Am** 1986 Nov; 4(4):791–807 (36 ref.)

Invasive cardiorespiratory monitoring. Waxman K.
Emerg Med Clin North Am 1986 Nov;4(4):775–89 (23 ref.)

Unexpectedly normal cilia and spermatozoa in an infertile man with Kartagener's syndrome. Escudier E, et al.
Eur J Respir Dis 1987 Mar;70(3):180–6

Volume/pressure curve of total respiratory system in paralysed patients: artefacts and correction factors. Gattinoni L, et al. **Intensive Care Med** 1987;13(1):19–25

The temporal relationship between increases in airway responsiveness to histamine and late asthmatic responses induced by occupational agents. Durham SR, et al.
J Allergy Clin Immunol 1987 Feb;79(2):398–406

Airways smooth muscle. Richardson JB.
J Allergy Clin Immunol 1987 Sep;80(3 Pt 2):409–11

Variable site of airway narrowing among obstructive sleep apnea patients. Hudgel DW. **J Appl Physiol** 1986 Oct; 61(4):1403–9

Effects of airway tone and volume history on maximal expiratory flow in asthma. Pichurko BM, et al.
J Appl Physiol 1987 Mar;62(3):1133–40

Control of respiratory activity of the genioglossus muscle in micrognathic infants. Roberts JL, et al.
J Appl Physiol 1986 Oct;61(4):1523–33

Respiratory system in amyotrophic lateral sclerosis. Braun SR. **Neurol Clin** 1987 Feb;5(1):9–31 (67 ref.)

Airway structure and function in asthma. Hogg JC.
New Engl Reg Allergy Proc 1986 May–Jun;7(3):228–35

II. Ineffective breathing patterns and airway clearance.
Nurs Clin North Am 1987 Mar;22(1):121–247

Ineffective airway clearance related to airway infection. Hanley MV, et al. **Nurs Clin North Am** 1987 Mar; 22(1):135–50 (52 ref.)

Ineffective airway clearance related to neuromuscular dysfunction. Hoffman LA. **Nurs Clin North Am** 1987 Mar; 22(1):151–66

Ineffective airway clearance related to artificial airway. Shekleton ME, et al. **Nurs Clin North Am** 1987 Mar; 22(1):167–78 (54 ref.)

The effects of hypoxia on the metabolic and cardiorespiratory responses to shivering produced by external and central cooling in the pigeon. Gleeson M, et al. **Pflugers Arch** 1986 Sep;407(3):312–9

[Functional tests of the pulmonary system in children with an atrial septal defect typical of ostium secundum] Szczepańska Z, et al. **Kardiol Pol** 1986;29(2):114–20 (Eng. Abstr.) **(Pol)**

[Study of the functional state of the lungs in an intensive care unit] Lebedeva RN, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):20–3 (Eng. Abstr.) **(Rus)**

[Expiratory airway closure and the structure of general lung capacity in the early period after surgery using artificial circulation] Nikolaenko EM. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):20–5 (Eng. Abstr.) **(Rus)**

[The lateral test in the complex evaluation of respiratory function in lung cancer patients] Shekhonina DA.
Anesteziol Reanimatol 1987 Jan–Feb;(1):53–4 (Eng. Abstr.) **(Rus)**

[Functional shifts in the respiratory and circulatory systems of bronchial asthma patients during exertion] Abdusalamov AB, et al. **Ter Arkh** 1987;59(3):45–7 (Eng. Abstr.) **(Rus)**

[Function of the respiratory organs, cardiovascular system and adrenals in children with bronchial asthma undergoing high-altitude speleotherapy] Il'in AA, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Jul–Aug;(4):50–4 (Eng. Abstr.) **(Rus)**

SECRETION

Relationships between the lipid content and the rheological properties of airway secretions in cystic fibrosis. Galabert C, et al. **Clin Chim Acta** 1987 Apr 30;164(2):139–49

Quantitation of mucous glycoprotein removed from the respiratory tract of the rat by pulmonary lavage. Morris JB. **Fundam Appl Toxicol** 1986 Aug;7(2):207–13

Pharmacology of airway secretion. Marin MG.
Pharmacol Rev 1986 Dec;38(4):273–89 (175 ref.)

ULTRASTRUCTURE

Airway smooth muscle. Stephens NL.
Am Rev Respir Dis 1987 Apr;135(4):960–75 (92 ref.)

Glycocalyceal bodies—a marker for different epithelial cell types in human airways. Ellinger A, et al.
J Submicrosc Cytol 1987 Apr;19(2):311–20

[The fine structure of respiratory tract epithelium in various animals] Shibasaki S.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Nov; 24(11):1201–10 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of the respiratory tract epithelium] Horňáček D. **Bratisl Lek Listy** 1986 Nov;86(5):525–42 (Eng. Abstr.) **(Slo)**

[Improved fixation of cilia of the respiratory epithelium for transmission electron microscopy] Mráz P, et al.
Bratisl Lek Listy 1986 Nov;86(5):455–60 (Eng. Abstr.) **(Slo)**

RESPIRATORY THERAPY

see related
ADMINISTRATION, INHALATION
AEROSOLS

Rewarming in accidental hypothermia: radio wave versus inhalation therapy. White JD, et al. **Ann Emerg Med** 1987 Jan;16(1):50–4

Respiratory support in patients with heart failure. Räsänen J. **Bull Eur Physiopathol Respir** 1987 Mar–Apr;23(2):183–95 **(Eng, Fre)**

Respiratory gases. Jenkinson SG, et al. **Clin Chest Med** 1986 Sep;7(3):495–504 (29 ref.)

L-carnitine and rehabilitative respiratory physiokinesitherapy: metabolic and ventilatory response in chronic respiratory insufficiency. Dal Negro R, et al.
Int J Clin Pharmacol Ther Toxicol 1986 Aug;24(8):453–6

Pathogenesis of respiratory failure in neuromuscular diseases: diagnosis and treatment. Lissoni A, et al.
Ital J Neurol Sci 1986 Oct;7(5):499–504

Modern strategies of ventilatory management in shock. Benzer H, et al. **Prog Clin Biol Res** 1987;236B:175–83 (20 ref.)

Rewarming in immersion hypothermia: radio-wave and inhalation therapy. White JD, et al. **Resuscitation** 1986 Nov; 14(3):141–8

Breathing 100% oxygen after global brain ischemia in Mongolian Gerbils results in increased lipid peroxidation and increased mortality. Mickel HS, et al. **Stroke** 1987 Mar–Apr;18(2):426–30

[Aerosol therapy] Radermecker M. **Rev Med Liege** 1987 May 15;42(10):433–6 **(Fre)**

[Aerosol therapy. Official position of the Association of Lung Specialists of Quebec Province] Beaupré A, et al.
Union Med Can 1986 Nov;115(11):799–802 **(Fre)**

[Objectives and design of ventilator systems] Frankenberger H. **Biomed Tech (Berlin)** 1987 Jun;32(6):132–7 (Eng. Abstr.) **(Ger)**

[Exercise training and respiratory muscle training COPD (chronic obstructive pulmonary disease) (editorial)] Lieberman D, et al. **Harefuah** 1986 Aug;111(3–4):104–5 **(Heb)**

[Evaluation of oxygen consumption and other cardiorespiratory parameters measured during the execution of 3 types of muscular exercises used in respiratory kinesitherapy] Imbriani M, et al.
G Ital Med Lav 1985 Sep–Nov;7(5–6):197–201 (Eng. Abstr.) **(Ita)**

HISTORY

[The achievements of Teodor Heryng in the field of inhalation therapy] Kierzek A. **Wiad Lek** 1986 Nov 15; 39(22):1573–7 **(Pol)**

INSTRUMENTATION

The flow-pressure characteristics of compressors used for inhalation therapy. Newman SP, et al.
Eur J Respir Dis 1987 Aug;71(2):122–6

A clinical evaluation of an oxygen insufflation/suction catheter. Bodai BI, et al. **Heart Lung** 1987 Jan;16(1):39–46

Spacer devices for asthma [letter] Newhouse MT, et al.
J Pediatr 1986 Nov;109(5):913–4

Pseudomonas species contamination of cystic fibrosis patients' home inhalation equipment. Pitchford KC, et al.
J Pediatr 1987 Aug;111(2):212–6

The potential value of a 750-ml spacer for the administration of inhaled corticosteroids to children. Reiser J, et al.
Pediatr Pulmonol 1986 Jul–Aug;2(4):237–43

Are spacers of any use in the treatment of asthma? [letter] Toogood JH. **Pediatr Pulmonol** 1986 Jul–Aug;2(4):250–1

METHODS

Sampling for carbon dioxide [letter] Allen P, et al.
Anaesthesia 1987 May;42(5):560–1

Extracorporeal membrane oxygenation for newborn respiratory failure. Weber TR, et al. **Ann Thorac Surg** 1986 Nov;42(5):529–35

Extracorporeal membrane oxygenation for postoperative cardiac support in children. Kanter KR, et al.
J Thorac Cardiovasc Surg 1987 Jan;93(1):27–35

[Methods of respiratory rehabilitation in patients with chronic obstructive lung diseases] Kościńska M. **Pneumonol Pol** 1986 Jun;54(6):260–5 (30 ref.) **(Pol)**

[Aerosol therapy in bronchopulmonary diseases at a sanatorium] Efimova RF. **Pediatriia** 1986 Nov;(11):72–3 **(Rus)**

STANDARDS

A standard method of intermittent inhaled therapy via a jet nebulizer. Suez D, et al. **Ann Allergy** 1986 Oct;57(4):245–8

TRENDS

[Trends in ventilation technics] Frankenberger H.
Biomed Tech (Berlin) 1987 Jun;32(6):130–1 **(Ger)**

RESPIRATORY THERAPY DEPARTMENT, HOSPITAL
see under **HOSPITAL DEPARTMENTS**

RESPIRATORY TRACT DISEASES

More on training: quantity, quality, and questions [editorial] Ingram RH Jr. **Am Rev Respir Dis** 1987 Jul;136(1):3–4

Need and responsibility of the NIH to insure that research projects have health-directed applications [letter] Leff A.
Am Rev Respir Dis 1987 Jul;136(1):7–8

More on training: concern about critical care boards [editorial] Mason R. **Am Rev Respir Dis** 1987 Jul;136(1):5

Congenital limb deficiency: maternal factors in pregnancy. Kricker A, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov; 26(4):272–5

Proceedings of the British Thoracic Society. 1986 winter meeting. 11–12 December 1986, London. Abstracts.
Thorax 1987 Mar;42(3):207–40

[Pulmonology training in an emergency hospital] Miyashiro S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):611–3 **(Jpn)**

[Chief scientific directions in the study of respiratory system pathology] Chuchalin AG. **Ter Arkh** 1987;59(3):3–9 **(Rus)**

[Current problems of modern pulmonology] Chuchalin AG.

Ter Arkh 1986;58(6):15–20 **(Rus)**

BLOOD

Relationship between inflammation, alpha–1–acid glycoprotein and lidocaine tolerance during fiber–optic bronchoscopy. Philip–Joet F, et al. **Respiration** 1987; 51(1):68–72

[Status of the phagocytic function of the neutrophilic granulocytes of children with chronic and recurrent diseases of the respiratory organs] Petrosian AA, et al. **Pediatriia** 1987;(1):26–31 (Eng. Abstr.) **(Rus)**

[Status of membrane lipid peroxidation in exudative–catarrhal diathesis in children] Sharobaro VE, et al. **Pediatriia** 1986 Sep;(9):71–2 **(Rus)**

CHEMICALLY INDUCED

Occupational exposures and chronic respiratory symptoms. A population–based study. Korn RJ, et al. **Am Rev Respir Dis** 1987 Aug;136(2):298–304

A survey of the respiratory health of silica–exposed gemstone workers in Hong Kong. Ng TP, et al. **Am Rev Respir Dis** 1987 Jun;135(6):1249–54

Pulmonary toxicity of naphthalene derivatives in the rat. Dinsdale D, et al. **Arch Toxicol [Suppl]** 1987;11:288–91

Six–year clinical and immunologic follow–up of workers exposed to trimellitic anhydride. Boxer MB, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):147–52

Levels and specificity of antibody in bronchoalveolar lavage (BAL) and serum in an animal model of trimellitic anhydride–induced lung injury. Chandler MJ, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):223–9

A survey of Bhopal children affected by methyl isocyanate gas. Irani SF, et al. **J Postgrad Med** 1986 Oct;32(4):195–8

Medical survey of methyl isocyanate gas affected population of Bhopal. Part II. Pulmonary effects in Bhopal victims as seen 15 weeks after M.I.C. exposure. Naik SR, et al. **J Postgrad Med** 1986 Oct;32(4):185–91

Chlorine inhalation toxicity from vapors generated by swimming pool chlorinator tablets. Wood BR, et al. **Pediatrics** 1987 Mar;79(3):427–30

[Effect of soldering fumes with special reference to the respiratory tract—results of an epidemiologic cross–sectional study] Wallenstein G, et al. **Z Gesamte Hyg** 1987 Jan;33(1):44–7 (Eng. Abstr.) **(Ger)**

[Effect of soldering fumes with special reference to the respiratory tract—review of the literature] Wallenstein G, et al. **Z Gesamte Hyg** 1986 Sep;32(9):521–4 (Eng. Abstr.) **(Ger)**

[Epidemiology of chronic background, pretumorous and oncologic diseases among workers exposed to low concentrations of asbestos–containing dust] Kogan FM, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):37–40 (Eng. Abstr.) **(Rus)**

[Effect of pesticides on the health of workers engaged in raising vegetables in protected soil] Krasniuk EP, et al. **Vrach Delo** 1987 Jun;(6):105–8 (Eng. Abstr.) **(Rus)**

[Chronic cardiac and pulmonary symptoms in aluminum workers] Gomzi M, et al. **Arh Hig Rada Toksikol** 1986 Sep;37(3):319–27 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Increased risk of xerophthalmia following diarrhea and respiratory disease. Sommer A, et al. **Am J Clin Nutr** 1987 May;45(5):977–80

Outcome of respiratory illness occurring in the first year of life. Watkins CJ, et al. **Br Med J [Clin Res]** 1986 Oct 11; 293(6552):925–7

Chronic cough as a risk indicator of broncho–pulmonary disease. Puolijoki H, et al. **Eur J Respir Dis** 1987 Aug; 71(2):77–85

Evaluation of non–specific bronchial hyperreactivity in different respiratory diseases. Melillo G, et al. **Eur J Respir Dis [Suppl]** 1986;147:282–5

Inflammation and its clinical relevance in airway diseases: summing–up. Turner–Warwick M. **Eur J Respir Dis [Suppl]** 1986;147:185–90 (3 ref.)

[Respiratory history of children and chronic cough in adolescents] Cooreman J, et al. **Arch Fr Pediatr** 1986 Nov; 43(9):685–90 (Eng. Abstr.) **(Fre)**

[Anesthesia and the respiratory system] Schwander D, et al. **Rev Med Suisse Romande** 1986 Sep;106(9):847–55 **(Fre)**

[Protracted pneumonias in persons with chronic respiratory diseases and post–tuberculous changes in the lungs] Svistunova AS, et al. **Probl Tuberk** 1986;(8):22–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Prediction of postoperative pulmonary complications in oesophagogastric cancer surgery. Fan ST, et al. **Br J Surg** 1987 May;74(5):408–10

The single–breath nitrogen test does not detect functional impairment in children with passive exposure to tobacco smoke. Teculescu DB, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):605–7

Methodological considerations of epidemiological diagnoses in respiratory diseases. Lebowitz MD, et al. **Eur J Epidemiol** 1985 Sep;1(3):188–92

Bronchoalveolar lavage in the investigation of disorders of the lower respiratory tract. Rossi GA. **Eur J Respir Dis** 1986 Nov;69(5):293–315 (179 ref.)

Chronic respiratory disease, chronic bronchitis, field screening and tools for documentation [letter] Malik SK. **Indian J Chest Dis Allied Sci** 1986 Jan–Mar;28(1):52–3

Flexible fiberoptic bronchoscopy. Reddy RP, et al. **Indian J Pediatr** 1987 Mar–Apr;54(2):237–43

Priorities in diagnosis and treatment of blunt chest injuries. Glinz W. **Injury** 1986 Sep;17(5):318–21

Bronchoprovocation tests in bronchial asthma and other respiratory disorders: a short review and some personal contributions. Panuccio P, et al. **Int J Clin Pharmacol Res** 1986;6(5):379–87

Respiratory symptoms and occupational bronchitis in chromite ore miners, Sudan. Ballal SG. **J Trop Med Hyg** 1986 Oct;89(5):223–8

Proactive surveillance programs, spirometry tests reduce illness. Young HJ. **Occup Health Saf** 1987 Mar;56(3):46, 48–50

Is there a place for rigid bronchoscopy in the management of pediatric lung disease? Godfrey S, et al. **Pediatr Pulmonol** 1987 May–Jun;3(3):179–84

[Evaluation of short–term work disability in acute respiratory tract inflammations in voice professionals] Laštovka M. **Cesk Otolaryngol** 1986 Nov;35(6):337–43 (Eng. Abstr.) **(Cze)**

[Outpatient with cough] Puolijoki H. **Duodecim** 1986; 102(14):967–72 **(Fin)**

[Airway diseases as occupational disease (letter)] **Dtsch Med Wochenschr** 1987 Jan 16;112(3):119–20 **(Ger)**

[Recommendations for the diagnosis and expert evaluation of respiratory tract diseases in medical practice] Geisler L. **Dtsch Med Wochenschr** 1986 Oct 3;111(40):1533–6 **(Ger)**

[Superfluous pneumologic diagnosis] Huber RM, et al. **Internist (Berlin)** 1986 Sep;27(9):601–7 **(Ger)**

[A clinical study on serum sialic acid and immunosuppressive acidic protein (IAP) as inflammatory parameter in non–malignant pulmonary diseases] Reshad K, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar;19(1–2):56–70 (Eng. Abstr.) **(Jpn)**

[Clinical physiology of respiration in pediatric pulmonology] Shiriaeva IS. **Pediatriia** 1987;(1):73–8 **(Rus)**

[Use of lasers in the diagnosis and treatment of diseases of the respiratory organs] Dziublik AIa, et al. **Probl Tuberk** 1987;(4):59–64 (56 ref.) **(Rus)**

[Ways to improve functional diagnostic services] Gavalova RF, et al. **Sov Med** 1986;(12):84–9 **(Rus)**

[How to improve the diagnosis of diseases of the respiratory organs? (the experience in organizing diagnostic services at the Sverdlovsk Pulmonology Center)] Shulutko ML, et al. **Ter Arkh** 1986;58(12):9–12 (Eng. Abstr.) **(Rus)**

[Suitability of fiberscopy of the upper respiratory tracts during esophagogastroduodenoscopy and bronchoscopy] Mkrtchian LN, et al. **Vopr Onkol** 1987;33(2):90–3 (Eng. Abstr.) **(Rus)**

[Chronic diseases of the upper respiratory tracts in persons in the voice and speech professions] Makukha AL, et al. **Vrach Delo** 1987 Jul;(7):39–42 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Long–term experience with combined action of antibacterials. Jedličková Z, et al. **Czech Med** 1986; 9(4):196–9

The clinical development of a new agent for the treatment of airway inflammation, nedocromil sodium (Tilade). Auty RM. **Eur J Respir Dis [Suppl]** 1986;147:120–31

A group comparative study of the safety and efficacy of nedocromil sodium (Tilade) in reversible airways disease: a preliminary report. van As A, et al. **Eur J Respir Dis [Suppl]** 1986;147:143–8

New aspects in the treatment of pulmonary and upper airways diseases. Proceedings of the satellite symposium to the 4th Congress of the European Society of Pneumology. Milano and Stresa, September 23–28, 1985. **Respiration** 1987;51 Suppl 1:1–68

Biochemical regulation of airway smooth muscle tone: current knowledge and therapeutic implications. Torphy TJ. **Rev Clin Basic Pharm** 1987 Jan–Mar;6(1):61–103 (171 ref.)

Drug therapy of respiratory disorders. Beech J. **Vet Clin North Am [Equine Pract]** 1987 Apr;3(1):59–80 (76 ref.)

ETHNOLOGY

Pulmonary functions and respiratory symptoms and diseases among adult Israelis. Variations by country of origin. Goren AI, et al. **Isr J Med Sci** 1986 Nov;22(11):761–5

ETIOLOGY

Respiratory health status of gilsonite workers. Keimig DG, et al. **Am J Ind Med** 1987;11(3):287–96

The causes, detection, and control of respiratory dust diseases of farm workers in Northern Scotland. Watson RD, et al. **Am J Ind Med** 1986;10(3):331–5

Effects of inflammatory and other mediators on airway vascular beds. Laitinen LA, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S67–70

Adolescent smoking and early respiratory disease: a longitudinal study. Oechsli FW, et al. **Ann Allergy** 1987 Aug;59(2):135–40

Review of epidemiology in relation to passive smoking. Pershagen G. **Arch Toxicol [Suppl]** 1986;9:63–73 (79 ref.)

Respiratory health as a predictor of questionnaire return in a sample of United States underground coalminers. Trent RB, et al. **Br J Ind Med** 1987 Jun;44(6):407–11

Respiration and connective tissue diseases [editorial] Walport MJ. **Br Med J** 1987 Feb 14;294(6569):392–3

Contact dermatitis and respiratory symptoms from Narcissus pseudonarcissus. Gonçalo S, et al. **Contact Dermatitis** 1987 Feb;16(2):115–6

Preventable airway complications in a patient with multiple trauma [letter] Batra AK. **Crit Care Med** 1986 Oct; 14(10):913

Respiratory symptoms and annoyance in the vicinity of coal–fired plants. Pershagen G, et al. **Environ Health Perspect** 1986 Dec;70:239–45

Relationship between respiratory morbidity in children and the home environment. Strachan DP, et al. **Fam Pract** 1986 Sep;3(3):137–42

A study of byssinosis and associated respiratory disorders in cotton mill workers. Gupta S, et al. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec;28(4):183–8

Respiratory survey of lime workers at Pong Village Chiang Mai Province. Jiemsripong K, et al. **J Med Assoc Thai** 1987 Feb;70(2):85–9

Respiratory aspects of spinal cord injury management. Carter RE. **Paraplegia** 1987 Jun;25(3):262–6

[The role of anomalies in recurrent respiratory diseases] Puchmajerová J, et al. **Cesk Pediatr** 1986 Nov;41(11):633–5 (Eng. Abstr.) **(Cze)**

[Respiratory manifestations of ankylosing spondylitis (50 cases)] Leménager J, et al. **Rev Pneumol Clin** 1987; 43(1):8–12 (Eng. Abstr.) **(Fre)**

[Inflammation as a cause of respiratory system disease] **Med Monatsschr Pharm** 1986 Sep;9(9):271–3 **(Ger)**

[Characteristics of changes in the upper respiratory tract as affected by different occupational hazards] Ostapkovich VE, et al. **Gig Tr Prof Zabol** 1986 Aug;(8):15–9 (Eng. Abstr.) **(Rus)**

[Epidemiology and etiology of acute respiratory diseases] Tatochenko VK. **Pediatriia** 1987;(5):62–6 **(Rus)**

[Internal organ complications after tonsillectomy] Protasevich GS. **Sov Med** 1986;(10):54–8 (71 ref.) **(Rus)**

[Pathology of the respiratory organs in diabetes mellitus] Shcherbak AV. **Ter Arkh** 1986;58(8):148–53 (155 ref.) **(Rus)**

[Epidemiologic methods of study in otorhinolaryngology] Ostapkovich EV. **Vestn Otorinolaringol** 1987 Mar–Apr; (2):59–62 (Eng. Abstr.) **(Rus)**

[Effects of tobacco on child health. The child as a passive smoker] García Calvente MM, et al. **An Esp Pediatr** 1987 Jan;26(1):60–4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Presence of antibodies against adult T cell leukemia antigen in the patients with chronic respiratory diseases. Kimura I, et al. **Acta Med Okayama** 1986 Dec;40(6):281–4

Respiratory symptoms, lung function, and IgG4 levels against pig antigens in a sample of Dutch pig farmers. Brouwer R, et al. **Am J Ind Med** 1986;10(3):283–5

Cellular immune competence of patients with lung cancer and other lung diseases. I. Analysis of peripheral blood lymphocyte subsets using monoclonal antibodies. Fujiwara S, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):227–36

[Clinical study on tuberculin anergy and its mechanism in respiratory diseases] Honda K. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar; 19(1–2):100–12 (Eng. Abstr.) **(Jpn)**

[Characteristics of the activation of oxygen–dependent metabolism of neutrophils by lymphokines in newborn infants with acute respiratory diseases (ARD) and pneumonia] Pikuza OI, et al. **Pediatriia** 1986 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

[The complement system of patients with sarcoidosis of the respiratory system] Titov LP, et al. **Probl Tuberk** 1987; (3):48–51 (Eng. Abstr.) **(Rus)**

[Features of the immune status of patients with occupational allergies of the upper respiratory tract with a pre–asthma symptom complex] Pankova VB, et al. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):52–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Ciprofloxacin: multiple–dose pharmacokinetic and clinical results in patients with hypercrinic bronchopulmonary diseases. Fraschini F, et al. **Int J Clin Pharmacol Res** 1987; 7(1):63–71

[Diagnostic and therapeutic use of saliva examination in children] Michaličková J, et al. **Cesk Pediatr** 1987 May; 42(5):271–3 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

A bacteriological comparison between sputum and bronchial secretion collected by fiberbronchoscopy. Ignazi P, et al. **Panminerva Med** 1986 Jul–Sep;28(3):233–5

MORTALITY

The exceedingly high burden of acute and chronic respiratory diseases—global situation and prospects. Bulla A. **Z Erkr Atmungsorgane** 1986;167(1–2):63–7

[An analysis of causes of death in coal miners] Wang MZ, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1986 Jun;

17(2):132–4 (Eng. Abstr.) (Chi)
[Trend in respiratory diseases and the medical care system (editorial)] Heki S.
Nippon Kyobu Shikkan Gakkai Zasshi 1986 Aug; 24(8):825–6 (Jpn)

NURSING

Respiratory health workers visiting patients with chronic respiratory disability [letter] Cockcroft A, et al.
Br Med J [Clin Res] 1987 May 23;294(6583):1353

OCCURRENCE

A respiratory epidemiological survey of workers in a small South African foundry. Myers JE, et al.
Am J Ind Med 1987;12(1):1–9
Early respiratory experience and subsequent cough and peak expiratory flow rate in 36 year old men and women. Britten N, et al. **Br Med J [Clin Res]** 1987 May 23; 294(6583):1317–20
Patterns of respiratory illness in the first year of life. Watkins CJ, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):794–6
Epidemiology of childhood respiratory disease in Israel. Goren AI, et al. **Eur J Epidemiol** 1986 Jun;2(2):139–50
Comparison of responses to two standardized respiratory questionnaires. Nakadate T. **Ind Health** 1986;24(3):117–27
An assessment of preventable morbidity in the U.S. Army, Europe. Prier RE, et al. **Milit Med** 1987 May;152(5):241–5
Prevalence of respiratory illnesses of school children in the industrial, urban and rural areas of Singapore. Goh KT, et al. **Trop Geogr Med** 1986 Dec;38(4):344–50
[Incidence of respiratory tract diseases in children] Junker E. **Z Erkr Atmungsorgane** 1986;167(1–2):172–4 (Eng. Abstr.) (Ger)
[Morbidity of respiratory diseases among children aged 0–3 years in the city of Dorog] Dávid A, et al. **Orv Hetil** 1987 Jan 4;128(1):29–32 (Eng. Abstr.) (Hun)
[Acute respiratory diseases, Rio Grande do Sul, Brazil] Chatkin JM, et al. **Bol Of Sanit Panam** 1987 Apr; 102(4):340–5 (Eng. Abstr.) (Por)
[Health status of workers engaged in preparing the raw charge in copper production] Borisov AA, et al.
Gig Tr Prof Zabol 1987 Jan;(1):17–20 (Eng. Abstr.) (Rus)
[Respiratory tract diseases and pneumoconiosis in smelters in the Duro Dakovic Foundry in Slavonski Brod] Bognar-Cavar G, et al. **Arh Hig Rada Toksikol** 1985 Sep; 36(3):269–76 (Eng. Abstr.) (Scr)

PATHOLOGY

Paranasal sinus pathology in allergic and non-allergic respiratory tract diseases. De Cleyn KM, et al. **Allergy** 1986 Jul;41(5):313–8
A comparison of bronchiolitis obliterans with organizing pneumonia, usual interstitial pneumonia, and small airways disease. Guerry-Force ML, et al. **Am Rev Respir Dis** 1987 Mar;135(3):705–12
Morphological changes related to ciliogenesis in the bronchial epithelium in experimental conditions and clinical course of disease. Heino M. **Eur J Respir Dis [Suppl]** 1987; 151:1–39
[Correlation of cytologic findings with lactate dehydrogenase isoenzyme levels in nasopharyngeal secretions] Kapellerová A, et al. **Cesk Pediatr** 1987 Jan;42(1):23–5 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

Respiratory effects and dust exposures in hog confinement farming. Holness DL, et al. **Am J Ind Med** 1987; 11(5):571–80
Longitudinal changes in lung function and respiratory symptoms in progressive systemic sclerosis. Prospective study. Greenwald GI, et al. **Am J Med** 1987 Jul;83(1):83–92
The effect of submucosal edema on airways resistance. Hogg JC, et al. **Am Rev Respir Dis** 1987 Jun;135(6 Pt 2):S54–6
Respiratory symptoms and lung function in habitual heavy smokers of marijuana alone, smokers of marijuana and tobacco, smokers of tobacco alone, and nonsmokers. Tashkin DP, et al. **Am Rev Respir Dis** 1987 Jan; 135(1):209–16
Respiratory disease and respiratory failure: implications for the young and the old. Newth CJ. **Br J Dis Chest** 1986 Jul;80(3):209–17 (44 ref.)
Respiratory disability in ex-flax workers [letter] Cotes JE. **Br J Ind Med** 1986 Dec;43(12):845
Symptoms and longitudinal changes in lung function in young seasonal grain handlers. James AL, et al.
Br J Ind Med 1986 Sep;43(9):587–91
Changes in electrocardiograms at rest among dockers employed at loading/discharging of dusty materials. Wałkiewicz J, et al. **Bull Inst Marit Trop Med Gdynia** 1985; 36(1–4):17–27
Relationships between functional measurements and childhood respiratory diseases according to the age of onset. Kauffmann F, et al. **Eur J Respir Dis** 1987 Feb; 70(2):78–85
Inflammation: its clinical relevance in airway diseases. Proceedings of an international symposium. Amsterdam, 16–17 March 1986. **Eur J Respir Dis [Suppl]** 1986;147:1–345
Respiratory myoclonus. Report of a case with electromyographic study. Jinnai K, et al. **Jpn J Med** 1986 Aug;25(3):288–92
[Pulmonary dysfunction study of children with chronic respiratory symptoms] Biscă N, et al.
Rev Ig [Pneumoftiziol] 1986 Oct–Dec;35(4):341–62 (Eng. Abstr.) (Rum)
[Ventilatory function in workers in food additive processing] Zuškin E, et al. **Arh Hig Rada Toksikol** 1986 Mar; 37(1):19–28 (Eng. Abstr.) (Scr)

PREVENTION & CONTROL

ORD—NIOSH prevention strategy and selected research. Glenn R, et al. **Am Ind Hyg Assoc J** 1986 Nov; 47(11):674–80
Bacterial lysate (I.R.S. 19) applied intranasally in the prevention of acute respiratory diseases in children: a randomized double-blind study. Srámek J, et al.
J Hyg Epidemiol Microbiol Immunol 1986;30(4):377–85
Pulmonary function testing in the screening of workers: guidelines for instrumentation, performance, and interpretation. Hankinson JL. **J Occup Med** 1986 Oct; 28(10):1081–92
Trial of an intervention to reduce passive smoking in infancy. Woodward A, et al. **Pediatr Pulmonol** 1987 May–Jun; 3(3):173–8
[Use of aromatic volatile biologically active substances of plant origin in children's preschool institutions for the prevention of respiratory diseases] Andrushchuk AA, et al. **Pediatriia** 1986 Aug;(8):44–6 (Rus)
[Prevention of frequent diseases of the respiratory organs in children at polyclinics] Savitskaia NV, et al.
Pediatriia 1987;(1):71–3 (Rus)
[The use of questionnaires as a method of detecting chronic diseases of the respiratory organs in the population] Kibrik BS, et al. **Sov Zdravookhr** 1986;(12):41–3 (Rus)

RADIOGRAPHY

Usefulness of chest radiographs in children with acute lower respiratory tract disease. Alario AJ, et al. **J Pediatr** 1987 Aug;111(2):187–93
[Radiographic examination of the chest in persons exposed to asbestos. Is this worth while?] Netterstrøm B.
Ugeskr Laeger 1987 May 18;149(21):1427–8 (Eng. Abstr.) (Dan)

REHABILITATION

[Physical therapy in diseases of the respiratory tract] Härtwig E. **Z Gesamte Inn Med** 1987 Feb 15;42(4):108–12 (Eng. Abstr.) (Ger)
[Experience with the organization of rehabilitation and convalescence groups at a local preschool sanatorium for frequently ill children] Bondarenko GP, et al. **Pediatriia** 1986 Jul;(7):64–5 (Rus)
[Convalescence of children with frequent and protracted diseases at a sanatorium kindergarten in the Arctic region] Rastorgueva LV. **Pediatriia** 1986 Jul;(7):65–6 (Rus)

SURGERY

General anaesthetic management for laser resection of central airway lesions in 85 procedures. Perera ER, et al.
Can J Anaesth 1987 Jul;34(4):383–7
Special pediatric airway problems. Stehling LC.
Contemp Anesth Pract 1987;9:97–113 (23 ref.)
The thoracic surgical spectrum of acquired immune deficiency syndrome. Miller JI.
J Thorac Cardiovasc Surg 1986 Dec;92(6):977–80

THERAPY

Training programs in respiratory disease and training programs in pediatric respiratory disease. 1987 editions. American Thoracic Society/American Lung Association. **Am Rev Respir Dis** 1987 Aug;136(2):497–523
Practice, problems and compliance with postural drainage: a survey of chronic sputum producers. Currie DC, et al.
Br J Dis Chest 1986 Jul;80(3):249–53
Practical oxygen therapy. Gibbs PS. **Indiana Med** 1987 May; 80(5):431–3
Emergency bronchoscopy. Austgen M. **Panminerva Med** 1986 Jul–Sep;28(3):191–4
Therapeutic bronchoscopy. Heyenga H. **Panminerva Med** 1986 Jul–Sep;28(3):187–9
The implanted intratracheal oxygen catheter. Johnson LP, et al. **Surg Gynecol Obstet** 1987 Jul;165(1):74–6
Self-care responses to respiratory illnesses among Vietnamese. Hautman MA. **West J Nurs Res** 1987 May; 9(2):223–43
[The achievements of Teodor Heryng in the field of inhalation therapy] Kierzek A. **Wiad Lek** 1986 Nov 15; 39(22):1573–7 (Pol)
[Effect of climate and weather factors on the efficacy of treatment of adolescents with upper respiratory tract diseases] Kholopov AP, et al. **Sov Med** 1987;(3):67–9 (Rus)
[Criteria of the effectiveness of health resort treatment of patients with nonspecific diseases of the respiratory organs] Boksha VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr;(2):58–62 (Rus)

VETERINARY

Pharmacologic interventions to antagonize stress-induced immune consequences. Rašková H, et al.
Ann NY Acad Sci 1987;496:436–46
The association between serological evidence of mycoplasma infection and respiratory disease in feedlot calves. Rosendal S, et al. **Can J Vet Res** 1986 Apr;50(2):179–83
Prevalence of respiratory diseases and their association with growth rate and space in randomly selected swine herds. Wilson MR, et al. **Can J Vet Res** 1986 Apr;50(2):209–16
Observations on tracheal mucociliary clearance in horses. Coombs SL, et al. **Tierarztl Prax** 1987;Suppl 2:5–9
Evaluation and management of respiratory disease in the horse. Johnston AM. **Tierarztl Prax** 1987;Suppl 2:21–3
Isolation of Chlamydia psittaci from the respiratory tract and conjunctivae of thoroughbred horses. Burrell MH, et al.
Vet Rec 1986 Sep 20;119(12):302–3
Effects of stable dust on farm animals—a review. Collins M, et al. **Vet Res Commun** 1986 Nov;10(6):415–28 (64 ref.)
[Functional approach to respiratory diseases of double-loined cattle of the white-blue Belgian breed] Gustin P, et al.
DTW 1987 May 7;94(5):261–4 (Eng. Abstr.) (Ger)
[Examination and treatment of respiratory tract diseases in the horse in clinical practice] Breuer D. **Tierarztl Prax** 1987;Suppl 2:15–20 (Eng. Abstr.) (Ger)

RESPIRATORY TRACT INFECTIONS

Possible danger of intra-articular steroid injection in children with respiratory tract infections [letter] Shore A, et al.
Br J Rheumatol 1987 Feb;26(1):73
Respiratory infection in children. Boehringer SEPCR meeting. Wiesbaden, November 25–26,1985. Proceedings.
Bull Eur Physiopathol Respir 1987 Jan–Feb;23(1):85–101
Young's syndrome. Khan MA, et al. **Eur J Respir Dis** 1987 Jan;70(1):62–4
Lower respiratory tract infection due to Branhamella catarrhalis, two case reports. Kambal AM, et al.
Trop Geogr Med 1986 Dec;38(4):418–20

BLOOD

C-reactive protein in population samples. Palosuo T, et al.
Acta Med Scand 1986;220(2):175–9
Pharmacokinetic evaluation of cefsulodin in children with and without cystic fibrosis treated for infectious diseases. Michalsen H, et al. **Methods Find Exp Clin Pharmacol** 1986 Nov;8(11):685–7
[Serum sialic acid levels in cancer, pregnancy and upper respiratory infections] Sydow G, et al.
Arch Geschwulstforsch 1986;56(6):413–7 (Eng. Abstr.) (Ger)
[Blood zinc levels in allergic children with recurrent infections] Steckiewicz W, et al. **Wiad Lek** 1987 Mar 1; 40(5):315–8 (Eng. Abstr.) (Pol)

COMPLICATIONS

Effect of respiratory infections on exacerbation of asthma in adult patients. A six-month follow-up. Kava T.
Allergy 1986 Nov;41(8):556–61
Fever in respiratory virus infections. Putto A, et al.
Am J Dis Child 1986 Nov;140(11):1159–63
Possible association of mycoplasma and viral respiratory infections with bacterial meningitis. Krasinski K, et al.
Am J Epidemiol 1987 Mar;125(3):499–508
Death associated with inadvertent hydrocodone overdose in a child with a respiratory tract infection. Morrow PL, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):60–3
Effect of upper respiratory infection on hearing in the ferret model. Rarey KE, et al. **Am J Otolaryngol** 1987 May–Jun; 8(3):161–70
Sleep apnoea during upper respiratory infection and metabolic alkalosis in infancy. Abreu e Silva FA, et al.
Arch Dis Child 1986 Nov;61(11):1056–62
Parental smoking, breast feeding, and respiratory infection in development of allergic diseases. Cogswell JJ, et al.
Arch Dis Child 1987 Apr;62(4):338–44
Frequency of infections among rheumatoid arthritis patients, before and after disease onset. Vandenbroucke JP, et al.
Arthritis Rheum 1987 Jul;30(7):810–3
Intraoperative respiratory complications in patients with upper respiratory tract infections. Tait AR, et al.
Can J Anaesth 1987 May;34(3 (Pt 1)):300–3
The role of infection in asthma. Stenius-Aarniala B.
Chest 1987 Jun;91(6 Suppl):157S–160S (34 ref.)
Triggers of airway inflammation. Kerrebijn KF.
Eur J Respir Dis [Suppl] 1986;147:98–104 (55 ref.)
Bacteria and their products release histamine and potentiate mediator release: new aspects in airway diseases. Norn S, et al. **Eur J Respir Dis [Suppl]** 1986;147:230–4
Etiological agent and primary source of infection in 42 cases of focal intracranial suppuration. Ariza J, et al.
J Clin Microbiol 1986 Nov;24(5):899–902
Young's syndrome: an often unrecognized correctable cause of obstructive azoospermia. Hughes TM 3d, et al.
J Urol 1987 Jun;137(6):1238–40
Role of infection in chronic bronchitis. Tager I, et al.
N Engl J Med 1975 Mar 13;292(11):563–71 (120 ref.)
Recurrent bloody dialysate during upper respiratory tract infection in mesangial IgA glomerulonephritis [letter] Rambausek M, et al. **Nephron** 1987;46(2):213
Recovery from parainfectious encephalomyelitis. Chancellor AM, et al. **NZ Med J** 1986 Nov 12;99(813):839–40
Infectious croup: a critical review. Baugh R, et al.
Otolaryngol Head Neck Surg 1986 Jul;95(1):40–6 (65 ref.)

Suppurative intracranial complications of upper respiratory tract infections. Yogev R. **Pediatr Infect Dis J** 1987 Mar; 6(3):324–7 (10 ref.)
Group B streptococcal bacteremia in men. Verghese A, et al. **Rev Infect Dis** 1986 Nov–Dec;8(6):912–7
Respiratory tract disease and hearing loss. Preliminary report. Sorri M, et al. **Scand Audiol [Suppl]** 1986;26:85–7
[Infectious causes of chronic cough] Zwahlen A. **Schweiz Rundsch Med Prax** 1987 Apr 7;76(15):403–5 (Eng. Abstr.) (Fre)
[Comparative studies of inhalation and skin provocation tests using bacterial allergens in patients with infectious bronchial asthma] Kraus-Filarska M, et al. **Pneumonol Pol** 1986 Nov;54(11):491–6 (Eng. Abstr.) (Pol)
[Morphologic manifestations of intestinal lesions of bacterial and mycotic etiology developing in association with acute respiratory infections] Shastina GV. **Arkh Patol** 1987; 49(3):37–44 (Eng. Abstr.) (Rus)
[Features of the course of tuberculosis of the respiratory organs among persons with concurrent nonspecific pathology of the bronchopulmonary system] Greimer MS, et al. **Probl Tuberk** 1986;(11):25–8 (Eng. Abstr.) (Rus)
[Status of the microflora of the intestine in combined bacterio-viral infections] Shvalko AD, et al. **Tr Inst Pastera** 1985;63:130–2 (Rus)
[Etiology of the respiratory syndrome in patients with salmonellosis typhimurium] Strelkova MR, et al. **Tr Inst Pastera** 1985;63:111–6 (Rus)
[Treatment of patients with meningitis and meningoencephalitis caused by acute respiratory virus infection with intranasal administration of a dimexide-nuclease mixture] Panchenko EN. **Vrach Delo** 1987 Feb;(2):113–5 (Eng. Abstr.) (Rus)
[Etiology of acute pneumonia occurring against a background of influenza and other acute respiratory viral infections] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):5–10 (Eng. Abstr.) (Rus)

DIAGNOSIS

Herpes simplex virus infection of the neonatal respiratory tract. Andersen RD. **Am J Dis Child** 1987 Mar;141(3):274–6
Current concepts in the surgical pathology of pulmonary infections. Colby TV, et al. **Am J Surg Pathol** 1987;11 Suppl 1:25–37
Upper respiratory tract infections in general practice. Whitfield M. **Aust Fam Physician** 1986 Aug;15(8):1057–8, 1060, 1062
Strategy for efficient detection of respiratory viruses in pediatric clinical specimens. Arens MQ, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):307–12
Multicentre evaluation of a direct coagglutination test for group A streptococci. Rudin L, et al. **Eur J Clin Microbiol** 1987 Jun;6(3):303–5
The effect of acute respiratory infections on pulmonary function. Dhand R. **Indian J Pediatr** 1987 Mar–Apr; 54(2):177–81
Rapid diagnosis of viral agents by indirect immunofluorescent antibody technique in acute respiratory infections. Umpathy BL. **Indian Pediatr** 1986 Sep;23(9):685–8
Serological, clinical and radiological findings in adults with bronchopulmonary infections caused by Chlamydia trachomatis. Paran H, et al. **Isr J Med Sci** 1986 Nov; 22(11):823–7
Efficiency of immunofluorescence for rapid detection of common respiratory viruses. Ray CG, et al. **J Clin Microbiol** 1987 Feb;25(2):355–7
Diagnosing bacterial respiratory infection by bronchoalveolar lavage. Kahn FW, et al. **J Infect Dis** 1987 May;155(5):862–9
Some advances in the diagnosis of respiratory virus infections. Tyrrell DA. **J R Coll Physicians Lond** 1987 Jul; 21(3):210–3 (19 ref.)
RS virus diagnosis: comparison of isolation, immunofluorescence and enzyme immunoassay. Siqueira MM, et al. **Mem Inst Oswaldo Cruz** 1986 Apr–Jun; 81(2):225–32
Acquired immunodeficiency syndrome (AIDS) and bronchofiberoscopic diagnosis. Gong H Jr. **Panminerva Med** 1986 Jul–Sep;28(3):243–7
A new brush method to obtain organisms and cells for the diagnosis of lower respiratory tract infection—via two channel bronchofiberscope. Ogihara M. **Panminerva Med** 1986 Jul–Sep;28(3):181–5
[ENT medical aspects in bronchial asthma in childhood] Müller H, et al. **Z Erkr Atmungsorgane** 1987;168(1):66–70 (Eng. Abstr.) (Ger)
[Serological diagnosis of anti-Pseudomonas, anti-Klebsiella and anti-E. coli antibody by ELISA] Kohno S, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):811–23 (Eng. Abstr.) (Jpn)
[Diagnostic value of bacteriologic studies of bronchial specimens collected during bronchoscopy] Owsiński J, et al. **Przegl Lek** 1986;43(12):761–4 (Eng. Abstr.) (Pol)
[Features of newly diagnosed tuberculosis of the respiratory organs in regions with a low incidence of tuberculosis] Ivanova ES, et al. **Probl Tuberk** 1986;(11):7–10 (Eng. Abstr.) (Rus)
[Clinico-roentgenologic features of newly diagnosed tuberculosis of the respiratory organs among adults today] Petrunina MP. **Probl Tuberk** 1987;(1):30–3 (Eng. Abstr.) (Rus)
[Errors in the diagnosis and tactics in the ambulatory management of patients with infections] Chaitsev VG, et al. **Ter Arkh** 1986;58(10):128–9 (Eng. Abstr.) (Rus)

DRUG THERAPY

Efficacy and safety of oral ciprofloxacin in the treatment of respiratory tract infections associated with chronic hepatitis. Esposito S, et al. **Am J Med** 1987 Apr 27; 82(4A):211–4
Efficacy and safety of oral ciprofloxacin in the treatment of serious respiratory infections. Fass RJ. **Am J Med** 1987 Apr 27;82(4A):202–7
Clinical efficacy of ciprofloxacin in the treatment of patients with respiratory tract infections in Japan. Kobayashi H. **Am J Med** 1987 Apr 27;82(4A):169–73
Dual individualization of intravenous ciprofloxacin in patients with nosocomial lower respiratory tract infections. Nix DE, et al. **Am J Med** 1987 Apr 27;82(4A):352–6
Controlled, comparative study of ciprofloxacin versus ampicillin in treatment of bacterial respiratory tract infections. Wollschlager CM, et al. **Am J Med** 1987 Apr 27;82(4A):164–8
Failure of effervescent zinc acetate lozenges to alter the course of upper respiratory tract infections in Australian adults. Douglas RM, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1263–5
Cumulative and acute toxicity of repeated high-dose tobramycin treatment in cystic fibrosis. Pedersen SS, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):594–9
Penetration of antibiotics into the respiratory tract [editorial] Symonds J. **Br Med J [Clin Res]** 1987 May 9; 294(6581):1181–2
Ribavirin: indications for use in pediatrics. Infectious Diseases and Immunization Committee, Canadian Paediatric Society. **Can Med Assoc J** 1986 Dec 15;135(12):1351–2
Ciprofloxacin in the treatment of urinary and respiratory tract infections in patients with chronic liver disease. Galante D, et al. **Chemioterapia** 1986 Oct;5(5):322–6
Roxithromycin (RU 28965) in the treatment of respiratory tract infections. Grassi C, et al. **Chemioterapia** 1987 Feb; 6(1):41–4
Antiviral therapy and pulmonary disease. Barnes DW, et al. **Chest** 1987 Feb;91(2):246–51 (41 ref.)
Local treatment of respiratory infections with antibiotics. Stout SA, et al. **Drug Intell Clin Pharm** 1987 Apr; 21(4):322–9 (69 ref.)
A comparative study of cefadroxil and co-trimoxazole in patients with lower respiratory tract infections. Castro M. **Drugs** 1986;32 Suppl 3:50–6
Efficacy of a twice-daily regimen of cefadroxil in the treatment of respiratory tract infections. Quintiliani R. **Drugs** 1986;32 Suppl 3:43–9
A comparison of the efficacy and safety of cefuroxime axetil and augmentin in the treatment of upper respiratory tract infections. Hebblethwaite EM, et al. **Drugs Exp Clin Res** 1987;13(2):91–4
A dose-ranging study of cefuroxime axetil in the treatment of lower respiratory tract infections in general practice. Spencer RC, et al. **Drugs Exp Clin Res** 1987;13(2):101–3
An audit of antibiotic prescribing in children with upper respiratory tract infection: the influence of auroscopic examination. Scott MG, et al. **Health Bull (Edinb)** 1987 May;45(3):125–8
Inadequacies in management of acute respiratory infections. Singh S, et al. **Indian J Pediatr** 1987 Mar–Apr;54(2):183–7
Ofloxacin in lower respiratory tract infections—a comparison with amoxicillin. Devogelaere R, et al. **Infection** 1986;14 Suppl 4:S283–9
A multicenter study on clinical efficacy of ofloxacin in respiratory and urinary tract infections. Grassi GG. **Infection** 1986;14 Suppl 4:S300–2
Clinical evaluation of ofloxacin in lower respiratory tract infections. Kobayashi H. **Infection** 1986;14 Suppl 4:S279–82
A double-blind randomized study comparing ofloxacin and amoxicillin in treating infective episodes in bronchiectasis. Lam WK, et al. **Infection** 1986;14 Suppl 4:S290–2
A comparative study of ofloxacin versus cefazolin in lower respiratory tract infections. Bariffi F, et al. **Int J Clin Pharmacol Res** 1987;7(3):199–201
Cefotaxime therapy of lower respiratory tract infections in intensive-care patients. Rondanelli R, et al. **Int J Clin Pharmacol Res** 1987;7(1):73–6
Clinical trial of cefuroxime axetil in children. Carson JW, et al. **J Antimicrob Chemother** 1987 Jan;19(1):109–12
Studies on a new formulation of ceftazidime—ceftazidime arginine—in patients with recurrent chest infections. Davies BI, et al. **J Antimicrob Chemother** 1987 Jul; 20(1):133–6
Quinolones in chest infections. Davies BI, et al. **J Antimicrob Chemother** 1986 Sep;18(3):296–9 (43 ref.)
Efficacy and safety of ciprofloxacin in patients with respiratory infections in comparison with amoxycillin. Gleadhill IC, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:133–8
Doxycycline in respiratory infections: a re-assessment after 17 years. Maesen FP, et al. **J Antimicrob Chemother** 1986 Oct;18(4):531–6
Clinical, microbiological and pharmacokinetic studies on ofloxacin in acute purulent exacerbations of chronic respiratory disease. Maesen FP, et al. **J Antimicrob Chemother** 1986 Nov;18(5):629–34
Emergence of ceftriaxone-resistant strains of Pseudomonas aeruginosa in cystic fibrosis patients. Paull A, et al. **J Antimicrob Chemother** 1986 Nov;18(5):635–9
Treatment of respiratory tract infections with ciprofloxacin. Raoof S, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:139–45
Successful treatment with ceftazidime of a Pseudomonas fluorescens chest infection in a myasthenic patient [letter] Thangkhiew I. **J Antimicrob Chemother** 1986 Sep; 18(3):428–9
Enoxacin in lower respiratory tract infections. Wijnands WJ, et al. **J Antimicrob Chemother** 1986 Dec;18(6):719–27
Ribavirin: case reports & discussion [published erratum appears in Kans Med 1987 Mar;88(3):98] Ziegler JM. **Kans Med** 1987 Feb;88(2):43–5, 52
Ribavirin for treatment of RSV infection. Rimar JM. **MCN** 1986 Nov–Dec;11(6):413
Penicillins and macrolides in the treatment of community-acquired respiratory tract infections. Kernbaum S. **Pediatr Infect Dis J** 1987 Mar;6(3):328–31 (5 ref.)
Ribavirin (virazole): a novel antiviral agent against viral respiratory tract infections. Ahmed ME, et al. **Ration Drug Ther** 1986 Nov;20(11):1–3
Treatment of lower respiratory tract infections due to Pseudomonas aeruginosa in patients with cystic fibrosis. Caplan DB, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S705–10
Experience with cefsulodin therapy for lower respiratory tract infections caused by Pseudomonas aeruginosa in adults without cystic fibrosis or granulocytopenia. Nichols L, et al. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S711–20
Emergence of resistant bacterial strains during treatment of infections in the respiratory tract. Kosmidis J, et al. **Scand J Infect Dis [Suppl]** 1986;49:135–9
Comparison of amoxycillin given two and three times a day in acute respiratory tract infections in children. Valtonen M, et al. **Scand J Prim Health Care** 1986 Nov;4(4):201–4
Evaluation of the clinical efficiency of brulamycin in the treatment of infections of the respiratory and urinary tracts. Makowieczki K, et al. **Ther Hung** 1984;32(4):185–6
A double-blind clinical trial for the evaluation of the therapeutical effectiveness of a calf thymus derivative (Thymomodulin) in children with recurrent respiratory infections. Fiocchi A, et al. **Thymus** 1986;8(6):331–9
[The treatment of cystic fibrosis (letter)] Fleer A, et al. **Ned Tijdschr Geneeskd** 1986 Oct 18;130(42):1910–1 (Dut)
[Acute respiratory infections in children treated by a daily injection of ceftriaxone. Clinical results, pharmacokinetics] Labbé A, et al. **Ann Pediatr (Paris)** 1986 Oct;33(8):757–60 (Eng. Abstr.) (Fre)
[Serum and bronchial concentrations of netilmicin during its continuous intratracheal administration] Aguilera D, et al. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):657–62 (Eng. Abstr.) (Fre)
[Cefotetan: clinical trial in elderly persons using a single daily dose of 2 grams as the sole therapy] Gaillat J, et al. **Pathol Biol (Paris)** 1986 May;34(5):461–4 (Eng. Abstr.) (Fre)
[Effects of treatment with Macronil on the viral population of the pharynx in 0- to 5-year-old children with acute respiratory infections] Pârvu C, et al. **Virologie** 1987 Jan–Mar;38(1):19–23 (Eng. Abstr.) (Fre)
[Haemophilus influenzae: epidemiologic problems of antibiotic resistance to ampicillin, tetracycline, chloramphenicol, kanamycin] Dabernat H. **Infection** 1987; 15 Suppl 3:S103–8 (Eng. Abstr.) (Ger)
[Treatment of respiratory tract infections with imipenem/cilastatin in critical patients with respiratory insufficiency] Unertl K, et al. **Infection** 1986;14 Suppl 2:S176–80 (Eng. Abstr.) (Ger)
[Imipenem/cilastatin in surgical intensive medicine] Wenk H, et al. **Infection** 1986;14 Suppl 2:S171–5 (Eng. Abstr.) (Ger)
[In vivo evaluation of the effectiveness of a cefamandole-tobramycin combination] Prinz G, et al. **Orv Hetil** 1986 Nov 23;127(47):2881–3 (Eng. Abstr.) (Hun)
[Comparison between cefoperazone and cefotaxime in the treatment of infections of the lower respiratory tract] Fantoni U, et al. **Clin Ter** 1987 May 15;121(3):209–12 (Eng. Abstr.) (Ita)
[Mezlocillin in respiratory infections in the aged] Tomei GP, et al. **Clin Ter** 1986 Sep 15;118(5):343–6 (Eng. Abstr.) (Ita)
[Efficiency and possibility of the use of aztreonam in bacterial infections caused by gram-negative organisms] Caramia G, et al. **Minerva Pediatr** 1986 Sep 30;38(17–18):773–7 (Eng. Abstr.) (Ita)
[Pollen extracts in the defense mechanisms of recurrent respiratory infections in children] Cogliati C, et al **Minerva Pediatr** 1987 Apr 15;39(7):257–62 (Eng. Abstr.) (Ita)
[Clinical experience with cefixime in the pediatric field] Aihara R, et al. **Jpn J Antibiot** 1986 Apr;39(4):1138–48 (Eng. Abstr.) (Jpn)
[Clinical experience with cefixime in the pediatric infections] Furukawa S, et al. **Jpn J Antibiot** 1986 Apr;39(4):1128–37 (Eng. Abstr.) (Jpn)
[Clinical evaluation of astromicin by intravenous drip infusion. Report I. Bacterial infections in the field of

internal medicine] Hara K, et al. **Jpn J Antibiot** 1986 Nov; 39(11):2926–37 (Eng. Abstr.) **(Jpn)**

[Clinical studies on cefixime in pediatrics] Hosoda T, et al. **Jpn J Antibiot** 1986 Apr;39(4):1149–56 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies on cefmenoxime in respiratory tract infections] Ida S, et al. **Jpn J Antibiot** 1986 Nov;39(11):2869–76 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefoperazone in lower respiratory tract infections] Ishibashi T, et al. **Jpn J Antibiot** 1986 Oct; 39(10):2780–94 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on cefixime in pediatrics] Iwai N, et al. **Jpn J Antibiot** 1986 Apr;39(4):1087–105 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on cefixime in pediatrics] Kurashige T, et al. **Jpn J Antibiot** 1986 Apr;39(4):1157–65 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefixime in children] Meguro H, et al. **Jpn J Antibiot** 1986 Apr;39(4):1007–19 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on cefixime in pediatric field] Miyazaki M, et al. **Jpn J Antibiot** 1986 Apr; 39(4):1166–75 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefuzonam in children] Mochizuki Y, et al. **Jpn J Antibiot** 1987 Feb;40(2):397–404 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of cefixime in children] Nakayama N, et al. **Jpn J Antibiot** 1986 Apr;39(4):1202–13 (Eng. Abstr.) **(Jpn)**

[Clinical studies of cefixime granules in pediatrics] Nakazawa S, et al. **Jpn J Antibiot** 1986 Apr;39(4):1020–34 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies of imipenem/cilastatin sodium in the pediatric field] Nishimura T, et al. **Jpn J Antibiot** 1986 Jul;39(7):1867–78 (Eng. Abstr.) **(Jpn)**

[A clinical study on imipenem/cilastatin sodium in the field of pediatrics] Satoh K, et al. **Jpn J Antibiot** 1986 Jul; 39(7):1701–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of T-2588 in the treatment of respiratory tract infection] Shimokata K, et al. **Jpn J Antibiot** 1986 Nov; 39(11):2897–913 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of cefixime granules in pediatrics] Sunakawa K, et al. **Jpn J Antibiot** 1986 Apr; 39(4):1035–54 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on cefixime (5% granules) in the pediatric field] Toyonaga Y, et al. **Jpn J Antibiot** 1986 Apr;39(4):1055–75 (Eng. Abstr.) **(Jpn)**

[Comparative clinical trial of HBK and amikacin (AMK) in the treatment of respiratory infections] Hara K, et al. **Kansenshogaku Zasshi** 1987 Jan;61(1):22–53 **(Jpn)**

[Comparative clinical study of T-2588 and cefaclor in chronic respiratory tract infections by a double-blind method] Kobayashi H, et al. **Kansenshogaku Zasshi** 1986 Sep;60(9):1052–77 (Eng. Abstr.) **(Jpn)**

[Comparison of HAPA-B and amikacin in the treatment of respiratory tract infections] Kobayashi H, et al. **Kansenshogaku Zasshi** 1986 Nov;60(11):1184–215 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of carumonam in chronic respiratory infections: double-blind study using cefoperazone as a positive control] Shimada K, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):333–55 (Eng. Abstr.) **(Jpn)**

[Comparative study of MK-0787/MK-0791 and piperacillin in respiratory tract infections] Soejima R, et al. **Kansenshogaku Zasshi** 1986 Apr;60(4):345–77 (Eng. Abstr.) **(Jpn)**

[Comparative study of cefuzonam (CZON) with cefmenoxime in chronic respiratory tract infections by the double-blind method] Soejima R, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):865–84 (Eng. Abstr.) **(Jpn)**

[Secondary respiratory tract infections occurring in residual lesion of pulmonary tuberculosis. 4. Chemotherapy of secondary respiratory tract infections] Ooizumi K. **Kekkaku** 1986 Dec;61(12):654–7 **(Jpn)**

[Serum drug levels and drug efficacy—antibiotics] Kohno S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan; 25(1):38–43 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 7. Trends in the development of new chemotherapeutic agents for respiratory tract infections. a. Antibiotics] Goto H, et al. **Nippon Rinsho** 1987 Mar;45(3):571–6 (15 ref.) **(Jpn)**

[Refractory respiratory tract infections. 3. Changes in pathogens and chemotherapy. d. Chronic lower respiratory tract infections] Hayashi I. **Nippon Rinsho** 1987 Mar; 45(3):504–13 (9 ref.) **(Jpn)**

[Refractory respiratory tract infections. 5. Persistence of chronic airway infections. b. Permeability of antibiotics in the airway and chemotherapy] Honda I. **Nippon Rinsho** 1987 Mar;45(3):548–53 (9 ref.) **(Jpn)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. a. Gram-negative bacterial infections] Konno K, et al. **Nippon Rinsho** 1987 Mar;45(3):514–9 (6 ref.) **(Jpn)**

[Refractory respiratory tract infections. 6. New problems in refractory respiratory tract infections. c. Chemotherapy of methicillin-resistant Staphylococci infection] Konno M. **Nippon Rinsho** 1987 Mar;45(3):565–70 (4 ref.) **(Jpn)**

[Refractory respiratory tract infections. 8. Clinical efficacy and application of combined therapy with antibiotics. b. Steroid therapy] Matsuoka Y, et al. **Nippon Rinsho** 1987 Mar;45(3):600–3 (13 ref.) **(Jpn)**

[Refractory respiratory tract infections. 9 Chemotherapy of recent respiratory tract infections. a. Branhamella catarrhalis infection] Nagatake T, et al. **Nippon Rinsho** 1987 Mar;45(3):604–10 **(Jpn)**

[Refractory respiratory tract infections. 7. Trends in the development of new chemotherapeutic agents for respiratory tract infections. b. Synthetic antibacterial agents] Ohno I, et al. **Nippon Rinsho** 1987 Mar;45(3):577–82 (17 ref.) **(Jpn)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. c. Pseudomonas infections] Oizumi K. **Nippon Rinsho** 1987 Mar;45(3):526–30 (22 ref.) **(Jpn)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. d. Anaerobic bacterial infections] Okada J. **Nippon Rinsho** 1987 Mar;45(3):531–5 (14 ref.) **(Jpn)**

[Progress of chemotherapy in various fields—internal medicine (respiratory tract infections)] Saito A. **Nippon Rinsho** 1986 Apr;44(4):867–73 **(Jpn)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. e. Multi-bacterial infections] Shiba K. **Nippon Rinsho** 1987 Mar;45(3):536–40 (6 ref.) **(Jpn)**

[Refractory respiratory tract infections. 4. Selection of chemotherapeutic agents and their administration. b. Gram-positive bacterial infections] Soejima R, et al. **Nippon Rinsho** 1987 Mar;45(3):520–5 (17 ref.) **(Jpn)**

[Refractory respiratory tract infections. 6. New problems in refractory respiratory tract infections. b. Induction of H. influenzae L type and repetitious infections] Takahashi A, et al. **Nippon Rinsho** 1987 Mar;45(3):559–63 (9 ref.) **(Jpn)**

[Refractory respiratory tract infections. 7. Trends in the development of new chemotherapeutic agents for respiratory tract infections. c. Combinations of beta-lactam antibiotics and beta-lactamases inhibitors] Tamura M, et al. **Nippon Rinsho** 1987 Mar;45(3):583–7 (12 ref.) **(Jpn)**

[Use of cefadroxil in respiratory tract infections in children] Siwińska-Golebiowska H, et al. **Pediatr Pol** 1986 Mar; 61(3):172–6 (Eng. Abstr.) **(Pol)**

[Clinical and bacteriological evaluation of the effectiveness of cefadroxil in the treatment of respiratory tract infections] Chyrek-Borowska S, et al. **Pneumonol Pol** 1987 Mar; 55(3):94–100 (Eng. Abstr.) **(Pol)**

[Effect of long-term treatment with panodin on the clinica' condition of patients with infectious asthma] Matusiewicz R. **Wiad Lek** 1987 Mar 15;40(6):363–6 (Eng. Abstr.) **(Pol)**

[Control of acute respiratory infections in children in Pará, Brazil] Benguigui Y. **Bol Of Sanit Panam** 1987 Jan; 102(1):36–48 (Eng. Abstr.) **(Por)**

[Use of ultrasonic aerosols in phthisiology and pulmonology] Pilipchuk NS, et al. **Klin Med (Mosk)** 1986 Dec; 64(12):36–40 **(Rus)**

[Antibacterial therapy of acute and chronic inflammatory diseases of the respiratory organs in children] Rachinskiĭ SV. **Pediatriia** 1987;(5):66–72 **(Rus)**

[Treatment of patients with influenza and acute respiratory viral infections using mefenamic acid] Frolov AF, et al. **Vrach Delo** 1987 Mar;(3):106–8 **(Rus)**

[Norms for the treatment of acute respiratory infections. Proposal for a protocol based on the syndromic diagnosis] Guiscafré H, et al. **Bol Med Hosp Infant Mex** 1987 Jan; 44(1):58–64 (Eng. Abstr.) **(Spa)**

[Survey on the use of antibiotics in acute respiratory infections in the Mexican rural population] Gutiérrez G, et al. **Bol Med Hosp Infant Mex** 1986 Dec;43(12):761–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Phenotypic characteristics of the intensity of acetylation in children with acute viral respiratory infections] Ivanova VV, et al. **Pediatriia** 1987;(3):31–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Bronchopulmonary superinfections in the critically ill. Vincent JL, et al. **Acta Anaesthesiol Belg** 1987;38(1):117–22

Remission of acute lymphoblastic leukemia of childhood following acute infectious disease. A case report. Zhu XQ, et al. **Chin Med J [Engl]** 1986 May;99(5):433–4

Respiratory syncytial virus infection in hospitalized children over one year of age. Pachev H. **Folia Med (Plovdiv)** 1986; 28(3):11–6

Nosocomial pulmonary infections in children. Fisher MC. **J Thorac Imaging** 1986 Oct;1(4):25–33

Effects of family smoking on acute respiratory disease in children. Park JK, et al. **Yonsei Med J** 1986;27(4):261–70

[Viral etiology of acute respiratory infections in Madagascan children] Ravaoarinoro M, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):147–55 (Eng. Abstr.) **(Fre)**

[Smoking and lower respiratory tract infection] Brown RB. **Infection** 1987;15 Suppl 3:S123–8 (Eng. Abstr.) **(Ger)**

[Acute respiratory tract diseases at the pediatric emergency service from the viewpoint of air health] Wulff C, et al. **Z Gesamte Hyg** 1987 Jan;33(1):48–9 (Eng. Abstr.) **(Ger)**

[Mechanism of respiratory infection due to Streptococcus pneumoniae or Haemophilus influenzae in mice] Miyazaki S, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):310–7 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 2. Disorders of the defense mechanism and infection. c. Brain diseases] Aoki N, et al. **Nippon Rinsho** 1987 Mar;45(3):472–6 (18 ref.) **(Jpn)**

[Refractory respiratory tract infections. 2. Disorders of the defense mechanism and infection. b. Immune deficiency] Niki Y. **Nippon Rinsho** 1987 Mar;45(3):467–71 (5 ref.) **(Jpn)**

[Refractory respiratory tract infections. 2. Disorders of the defense mechanism and infection. d. Diabetes mellitus] Sato A, et al. **Nippon Rinsho** 1987 Mar;45(3):477–81 (16 ref.) **(Jpn)**

[Refractory respiratory tract infections. 5. Persistence of chronic airway infections. a. Mechanism of etiology and persistence] Tanimoto H. **Nippon Rinsho** 1987 Mar; 45(3):541–7 (15 ref.) **(Jpn)**

[Current pathogenetic aspects in viral infections of the respiratory system] Streinu-Cercel A, et al. **Rev Ig [Pneumoftiziol]** 1986 Oct-Dec;35(4):299–311 (30 ref.) (Eng. Abstr.) **(Rum)**

[Etiology of viral respiratory infections in adults. Clinical considerations and therapeutic directions. A study of 100 cases] Voiculescu M, et al. **Rev Med Interna [Med Interna]** 1986 Sep-Oct;38(5):439–46 (Eng. Abstr.) **(Rum)**

[Problem of acute diseases of the respiratory organs in children] Vel'tishchev IuE. **Pediatriia** 1986 Jul;(7):52–8 **(Rus)**

[Disseminated intravascular coagulation in the patho- and thanatogenesis of acute viral respiratory diseases and sepsis] Shatrova KM, et al. **Vrach Delo** 1987 Apr;(4):113–4 (Eng. Abstr.) **(Rus)**

[Significance of Legionella pneumophila in human respiratory pathology] Prozorovskiĭ SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):34–7 (Eng. Abstr.) **(Rus)**

[Unilateral lung disease with a unilateral nasal obstruction caused by a deviated septum] Radosavljević M, et al. **Med Pregl** 1986;39(3–4):155–8 (Eng. Abstr.) **(Scr)**

[Cryptosporidiosis of the respiratory tract (letter)] Weitz JC, et al. **Rev Med Chil** 1986 Jul;114(7):691–2 **(Spa)**

FAMILIAL & GENETIC

[Genetic risk factors for the development of chronic bronchopulmonary diseases and persistent viral infection] Nisevich LL. **Pediatriia** 1987;(1):21–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoglobulins and innate factors of immunity in saliva of children prone to respiratory infections. Lehtonen OP, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Feb; 95(1):35–40

IgG subtype abnormalities with normal total IgG in a clinical allergy practice. Noyes J, et al. **Ann Allergy** 1986 Oct; 57(4):273–5

Evaluation of cell-mediated and humoral immunity in children suffering from spinal muscular atrophy. Migaj M, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):561–7

The clinical condition of IgA-deficient patients is related to the proportion of IgD- and IgM-producing cells in their nasal mucosa. Brandtzaeg P, et al. **Clin Exp Immunol** 1987 Mar;67(3):626–36

An investigation into the effect of the IgG antibody system on the susceptibility of IgA-deficient patients to respiratory tract infections. French MA, et al. **Clin Exp Immunol** 1986 Dec;66(3):640–7

Autoantibodies in infections of the respiratory tract with Mycoplasma pneumoniae or influenza virus A. Hodson ME, et al. **Eur J Respir Dis** 1987 Aug;71(2):86–92

Effect of ribavirin therapy on respiratory syncytial virus-specific IgE and IgA responses after infection. Rosner IK, et al. **J Infect Dis** 1987 May;155(5):1043–7

Complement depletion in a porcine model of septic acute respiratory disease. Dehring DJ, et al. **J Trauma** 1987 Jun; 27(6):615–25

Immunoglobulin deficiency and recurrent upper respiratory tract infections [letter] Wood RA, et al. **JAMA** 1987 Jan 23-30;257(4):486

Children with selective IgG subclass deficiency and recurrent sinopulmonary infection: impaired response to bacterial capsular polysaccharide antigens. Umetsu DT, et al. **Monogr Allergy** 1986;20:57–61

IgG subclass deficiency in children with IgA deficiency presenting with recurrent or severe respiratory infections. Beard LJ, et al. **Pediatr Res** 1986 Oct;20(10):937–42

[Immunopathology of the upper respiratory tract] König W, et al. **Arch Otorhinolaryngol [Suppl]** 1987;1:1–84 (406 ref.) **(Ger)**

[Status of children with frequent infections from an immunologic viewpoint] Eggers G. **Z Arztl Fortbild (Jena)** 1986;80(17):705–6 **(Ger)**

[Development of endogenous immune functions to respiratory infections in children] Wiersbitzky S, et al. **Z Arztl Fortbild (Jena)** 1986;80(17):701–4 **(Ger)**

[Studies on Chlamydia trachomatis as the cause of respiratory infections. I. Prevalence of serum antibodies to Chlamydia trachomatis in healthy adults and patients with respiratory

infections] Nakagawa Y. **Kansenshogaku Zasshi** 1986 Aug; 60(8):856–64 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 1. The defense mechanism of pulmonary alveolar airway. b. Humoral and cellular defense mechanisms] Ida S, et al. **Nippon Rinsho** 1987 Mar;45(3):456–60 (15 ref.) **(Jpn)**

[Serum opsonization activity in children with recurrent respiratory tract infections] Guzikowska E, et al. **Pediatr Pol** 1986 Dec;61(12):780–3 (Eng. Abstr.) **(Pol)**

[Selected clinical and immunologic problems in infectious bronchial asthma] Romański B, et al. **Pol Tyg Lek** 1987 Jan 19–26;42(3–4):74–8 (Eng. Abstr.) **(Pol)**

[Role of antiviral immunity factors in the recovery of young children with acute respiratory viral infections] Buĭko VP, et al. **Pediatriia** 1986 Oct;(10):62–6 (42 ref.) **(Rus)**

[Clinico-immunologic characteristics of complicated forms of acute respiratory viral diseases in young children and the use of protease inhibitors] Ketiladze ES, et al. **Pediatriia** 1987;(1):55–61 **(Rus)**

[Circulating immune complexes in acute bronchopulmonary diseases in young children] Nasrullaeva GM. **Pediatriia** 1986 Sep;(9):73 **(Rus)**

[Concentration of antibodies to respiratory viruses in commercial preparations of gamma- and polyglobulin] Leshchinskaia NP, et al. **Tr Inst Pastera** 1985;63:60–6 **(Rus)**

[Macrophage component of the system of nonspecific resistance of the body in acute respiratory diseases] Bondarenko IG. **Voen Med Zh** 1987 May;(5):64–5 **(Rus)**

METABOLISM

Urinary riboflavin excretion and erythrocyte glutathione reductase activity in preschool children suffering from upper respiratory infections and measles. Bamji MS, et al. **Ann Nutr Metab** 1987;31(3):191–6

Subacute zinc deficiency in children with recurrent upper respiratory tract infection. van Wouwe JP, et al. **Eur J Pediatr** 1987 May;146(3):293–5

[Diffusion of piperacillin into bronchial secretions] Bergogne-Bérézin E, et al. **Pathol Biol (Paris)** 1986 Jun; 34(5 Pt 2):653–6 (Eng. Abstr.) **(Fre)**

[Clinical studies on te concentration of cefaclor in sera and lung tissues of patients with respiratory diseases] Imaizumi M, et al. **Jpn J Antibiot** 1986 Oct;39(10):2754–60 (Eng. Abstr.) **(Jpn)**

[Serum and sputum levels of cefotetan used in respiratory tract infections] Matsumoto Y, et al. **Jpn J Antibiot** 1986 Oct;39(10):2690–4 (Eng. Abstr.) **(Jpn)**

[Characteristics of lipid composition, lipid peroxidation intensity and ATPase activity of lymphocytes in children with acute respiratory viral infections] Ivanova VV, et al. **Vopr Med Khim** 1986 Nov–Dec;32(6):111–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Clinical interpretation of beta-lactamase-producing strains of Branhamella catarrhalis in sputum Gram's stain and culture. Robinson A, et al. **Am J Clin Pathol** 1987 Apr; 87(4):498–503

Antibiotics and chronic obstructive pulmonary disease [letter] Sperber SJ, et al. **Ann Intern Med** 1987 Jun;106(6):910

Micro-organisms in the air of cotton mills. Lacey J, et al. **Ann Occup Hyg** 1987;31(1):1–19

Pulmonary nocardiosis in the acquired immunodeficiency syndrome. Diagnosis with bronchoalveolar lavage and treatment with non-sulphur containing drugs. Rodriguez JL, et al. **Chest** 1986 Dec;90(6):912–4

Elective orotracheal intubation and aspiration for microbiologic diagnosis in children. Kasian GF, et al. **Crit Care Med** 1986 Oct;14(10):878–80

Mixed morphotype susceptibility testing of Pseudomonas aeruginosa from patients with cystic fibrosis. Dunne WM Jr, et al. **Diagn Microbiol Infect Dis** 1987 Feb;6(2):165–70

Seroepidemiological studies on the occurrence of common respiratory infections in paediatric student nurses and medical technology students. Gerth HJ, et al. **Epidemiol Infect** 1987 Feb;98(1):47–63

Isolation and detection of Haemophilus influenzae from patients of respiratory tract infections and their antibiotic susceptibility pattern in Chandigarh. Ayyagari A, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):230–5

Development of an aerosol model of murine respiratory mycoplasmosis in mice. Davis JK, et al. **Infect Immun** 1986 Oct;54(1):194–201

Subgroup characteristics of respiratory syncytial virus strains recovered from children with two consecutive infections. Mufson MA, et al. **J Clin Microbiol** 1987 Aug;25(8):1535–9

Pseudomonas cepacia—fatal pulmonary infection in a patient with cystic fibrosis. Glass S, et al. **J Infect** 1986 Sep; 13(2):157–8

Haemophilus influenzae associated with acute respiratory illnesses in young children. Thong ML, et al. **Malays J Pathol** 1980 Aug;3:35–8

Role of anaerobic beta-lactamase-producing bacteria in upper respiratory tract infections. Brook I. **Pediatr Infect Dis J** 1987 Mar;6(3):310–6 (66 ref.)

Pathogenicity and therapy of anaerobic bacteria in upper respiratory tract infections. Brook I. **Pediatr Infect Dis J** 1987 Jan;6(1):131–6 (51 ref.)

The increasing importance of Branhamella catarrhalis in respiratory infections. Van Hare GF, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):92–4 (18 ref.)

Pulmonary infection with opportunist mycobacteria on Merseyside 1974–1983. Clague HW, et al. **Postgrad Med J** 1986 May;62(727):363–8

Interaction between viral and bacterial infections in the respiratory tract. Degré M. **Scand J Infect Dis [Suppl]** 1986; 49:140–5 (39 ref.)

[Effectiveness of virologic surveillance of acute respiratory diseases of viral origin] Heinz F, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun;36(3):132–9 (Eng. Abstr.) **(Cze)**

[Rhinovirus and acute respiratory infections in infants] Freymuth F, et al. **Arch Fr Pediatr** 1986 Nov;43(9):677–9 (Eng. Abstr.) **(Fre)**

[Infectious diseases of the respiratory tract and their treatment] Yourassowsky E. **Rev Med Brux** 1987 Mar; 8(3):145–6 **(Fre)**

[Immunofluorescence for the rapid diagnosis and complex study of various acute and chronic respiratory infections] Anghelescu S, et al. **Virologie** 1986 Jul–Sep;37(3):157–65 (Eng. Abstr.) **(Fre)**

[Infections of the lower respiratory tract in general practice] Cazzola M. **Infection** 1987;15 Suppl 3:S113–9 (Eng. Abstr.) **(Ger)**

[Significance of Haemophilus influenzae and other microorganisms for the pathogenesis and therapy of chronic respiratory infection] Cole PJ. **Infection** 1987;15 Suppl 3:S99–102 (Eng. Abstr.) **(Ger)**

[Respiratory tract infections caused by Haemophilus influenzae in adults] Weinstein AJ. **Infection** 1987;15 Suppl 3:S109–12 (Eng. Abstr.) **(Ger)**

[Quantitative bacteriology in infections of the subglottic respiratory tract] Linoli O, et al. **Pathologica** 1986 Mar–Apr;78(1054):243–51 (Eng. Abstr.) **(Ita)**

[Susceptibility of bacteria isolated from the patients with lower respiratory tract infections to antibiotics (1984)] Ikemoto H, et al. **Jpn J Antibiot** 1987 Jan;40(1):91–116 (Eng. Abstr.) **(Jpn)**

[In vitro susceptibility, of bacterial isolates from patients with respiratory tract infections, to beta-lactam antibiotics II] Tanaka M, et al. **Jpn J Antibiot** 1986 Nov;39(11):2914–25 (Eng. Abstr.) **(Jpn)**

[Acute respiratory infections among infants and children in Japan. The first report: Virus isolation employing a new microplate method] Numazaki Y, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):840–8 (Eng. Abstr.) **(Jpn)**

[Secondary respiratory tract infections occurred in residual lesion of pulmonary tuberculosis. 2. Frequency and variety of isolated pathogens in bacterial respiratory tract infections] Yamaguchi E. **Kekkaku** 1986 Dec;61(12):646–51 **(Jpn)**

[From the point of view of infection] Matsumoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1221–6 (Eng. Abstr.) **(Jpn)**

[The relationship between upper and lower airways from the point of view of the chest physician] Mikami R. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1232–9 (Eng. Abstr.) **(Jpn)**

[Adherence of Branhamella catarrhalis to human pharyngeal cells: relation between adherence in vitro and chronic respiratory infections] Rikitomi N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun;24(6):633–8 (Eng. Abstr.) **(Jpn)**

[Refractory respiratory tract infections. 6. New problems in refractory respiratory tract infections. a. Changes in pathogens and chemotherapy after development of the third generation of cephalosporins] Saito A. **Nippon Rinsho** 1987 Mar;45(3):554–8 (8 ref.) **(Jpn)**

[Modification of the method of quantitative evaluation of microorganisms in the sputum of patients with respiratory tract infections] Jakubicz P, et al. **Pneumonol Pol** 1986 Sep; 54(9):416–20 (Eng. Abstr.) **(Pol)**

[Biological characteristics of microorganisms of the Haemophilus group isolated in infections of the lower respiratory tract] Dorobăţ O, et al. **Rev Ig [Bacteriol]** 1986 Jul–Sep;31(3):209–18 (Eng. Abstr.) **(Rum)**

[Effect of decamethoxine and various antibiotics on pathogenic agents in suppurative-inflammatory diseases of the respiratory tract] Radionov BV, et al. **Klin Khir** 1986; (10):8–9 (Eng. Abstr.) **(Rus)**

[Microflora of the upper respiratory tract in young children under normal conditions and in respiratory tract diseases. Microbial count of the upper respiratory tract in healthy children and in children with pneumonia] Savitskaia KI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):24–31 (Eng. Abstr.) **(Rus)**

[Diagnostic significance of detecting respiratory virus antigens in cerebrospinal fluid and brain cells] Ivanova LA, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):161–3 (Eng. Abstr.) **(Rus)**

MORTALITY

Whatever happened to the Black report? [letter] Gordon RR. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):758–9

Childhood respiratory infection and adult chronic bronchitis in England and Wales [letter] Lee PN. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):118

Acute respiratory infection in low birth weight infants. Datta N. **Indian J Pediatr** 1987 Mar–Apr;54(2):171–6

Epidemiology of acute respiratory infections. Narain JP. **Indian J Pediatr** 1987 Mar–Apr;54(2):153–60

Pneumococcal vaccine prevents death from acute lower-respiratory-tract infections in Papua New Guinean children. Riley ID, et al. **Lancet** 1986 Oct 18;2(8512):877–81

Prognostic indicators in patients with the acquired immune deficiency syndrome (AIDS) and respiratory infection. McCullough PC, et al. **Respiration** 1986;50(4):286–93

[Cause of death in severely handicapped children] Kohno C, et al. **No To Hattatsu** 1986 Sep;18(5):420–2 **(Jpn)**

OCCURRENCE

Childhood respiratory infection and adult chronic bronchitis in England and Wales. Barker DJ, et al. **Br Med J [Clin Res]** 1986 Nov 15;293(6557):1271–5

Respiratory syncytial virus surveillance in various regions across Canada. **Can Med Assoc J** 1987 Jan 15;136(2):157–8

Isolation of Mycoplasma pneumoniae from respiratory tract specimens in Ontario. Fleming C, et al. **Can Med Assoc J** 1987 Jul 1;137(1):48–50

Acute respiratory infections in Beijing children. Epidemiological studies at Dongguan Brigade. Zhang ZJ, et al. **Chin Med J [Engl]** 1986 Jul;99(7):561–8

Communicable disease report. October to December 1985. Prepared by the PHLS Communicable Disease Surveillance Centre and the Communicable Diseases (Scotland) Unit. **Community Med** 1986 Aug;8(3):245–51

Common respiratory and gastrointestinal illness in paediatric student nurses and medical technology students. Gerth HJ, et al. **Epidemiol Infect** 1987 Feb;98(1):33–45

Acute respiratory infections in Kangra district: magnitude and current treatment practices. Narain JP, et al. **Indian J Pediatr** 1987 May–Jun;54(3):441–4

Acute respiratory infections: a longitudinal study of 151 children in Burkina-Faso. Lang T, et al. **Int J Epidemiol** 1986 Dec;15(4):553–60

Respiratory illness in a retirement facility during a community influenza epidemic [letter] Wieland RG, et al. **J Am Geriatr Soc** 1987 May;35(5):473

Outbreak of respiratory illness on board a ship cruising to ports in southern Europe and northern Africa. Christenson B, et al. **J Infect** 1987 May;14(3):247–54

Epidemic infections caused by respiratory syncytial virus in institutionalized young adults. Finger R, et al. **J Infect Dis** 1987 Jun;155(6):1335–9

Acute respiratory disease associated with influenza epidemics in Houston, 1981–1983. Glezen WP, et al. **J Infect Dis** 1987 Jun;155(6):1119–26

Seasonal patterns of respiratory syncytial virus infection in Hong Kong: a preliminaary report [letter] Sung RY, et al. **J Infect Dis** 1987 Sep;156(3):527–8

Lower respiratory tract infection due to Mycoplasma pneumoniae in Thai children. Limpitikul W, et al. **J Med Assoc Thai** 1987 Jun;70(6):335–7

Illness in American military men in Egypt. Kilpatrick ME, et al. **Milit Med** 1986 Oct;151(10):548–9

Mild acute upper respiratory infection (AURI) in children from the Outpatient Paediatric Department, Dr. Sardjito General Hospital Yogyakarta. Partatmo A, et al. **Paediatr Indones** 1987 Jan–Feb;27(1–2):20–8

Childhood upper respiratory tract infections: to what degree is incidence affected by day-care attendance? Fleming DW, et al. **Pediatrics** 1987 Jan;79(1):55–60

[Epidemiologic surveillance of acute respiratory infection (ARI) in children] Zhang ZJ. **Chung Hua I Hsueh Tsa Chih** 1986 Feb;66(2):65–9, 124 (Eng. Abstr.) **(Chi)**

[Nosocomial viral respiratory infections at a pediatric clinic] Pazdiora P, et al. **Cesk Epidemiol Mikrobiol Imunol** 1986 Nov;35(6):341–7 (Eng. Abstr.) **(Cze)**

[Incidence of deep respiratory tract infections] Ringelmann R. **Infection** 1987;15 Suppl 3:S129–32 (Eng. Abstr.) **(Ger)**

[Harmless infectious diseases in general practice] Flückiger H, et al. **Ther Umsch** 1986 Aug;43(8):640–5 (Eng. Abstr.) **(Ger)**

[Infectious disease complicated by hematological disorders--a survey of the past seven years at the First Department of Internal Medicine, Ehime University Hospital] Imoto A, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):153–60 (Eng. Abstr.) **(Jpn)**

[Secondary respiratory tract infections occurring in residual lesion of pulmonary tuberculosis. 1. Occurrence of secondary respiratory tract infections] Sugita H, et al. **Kekkaku** 1986 Dec;61(12):643–6 **(Jpn)**

[Branhamella catarrhalis respiratory tract infections] Matsumoto K, et al. **Nippon Rinsho** 1986 Sep;44(9):2057–64 **(Jpn)**

[Incidence of infectious asthma in transportation personnel] Waszkiewicz R. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):253–4 (Eng. Abstr.) **(Rum)**

[Characteristics of acute respiratory infection and influenza morbidity among the workers of the engine crews of the Moscow subway] Dubrovskaia TA, et al. **Gig Tr Prof Zabol** 1987 May;(5):21–4 (Eng. Abstr.) **(Rus)**

[Recurrences of tuberculosis of the respiratory organs among late middle-aged and elderly persons clinically cured of tuberculosis] Iashchenko BP, et al. **Probl Tuberk** 1987; (3):3–5 (Eng. Abstr.) **(Rus)**

[Epidemiologic and etiologic characteristics of influenza and acute respiratory virus infections within the territory of the Kaliningrad region from 1980 to 1984] Koval' TA, et al. **Tr Inst Pastera** 1985;63:66–7 **(Rus)**

[Clinico-etiologic characteristics of severe and complicated forms of acute respiratory virus infections and their treatment] Zheleznova TG, et al. **Tr Inst Pastera** 1985; 63:31-4 **(Rus)**

[Morbidity study of acute respiratory diseases to assess the indications for ambulatory care at a student polyclinic] Zlydnikov DM, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 Oct;(10):36-9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A critical review of the use of open lung biopsy in the management of the oncologic patient with acute pulmonary infiltrates. Hall TS, et al. **Am J Clin Oncol** 1987 Jun; 10(3):249-52

Thoracic needle biopsy. Improved results utilizing a team approach. Conces DJ Jr, et al. **Chest** 1987 Jun;91(6):813-6

The cells causing airway inflammation. Kay AB.
Eur J Respir Dis [Suppl] 1986;147:38-43 (9 ref.)

Preparation of nasopharyngeal secretions for immunofluorescence by one-step centrifugation through Percoll. Ukkonen P, et al. **J Virol Methods** 1987 Mar; 15(4):291-301

[Success and value of systematic morphologic studies of the nose and pharynx in SIDS] Althoff H, et al.
Beitr Gerichtl Med 1986;44:219-25 (Eng. Abstr.) **(Ger)**

[Pathogenesis and pathology of acute respiratory infections] Kühne W. **Z Erkr Atmungsorgane** 1986;167(1-2):6-11 (Eng. Abstr.) **(Ger)**

[Anatomical changes in the bronchial tree in infants and young children with chronic recurrent respiratory tract infections] Sawielajc K, et al. **Wiad Lek** 1986 Sep 15; 39(18):1255-9 (Eng. Abstr.) **(Pol)**

[Intestinal lesions in acute respiratory viral and mycoplasma infections] Shastina GV. **Arkh Patol** 1986;48(12):22-9 (Eng. Abstr.) **(Rus)**

[Multinuclear cells of the respiratory epithelium in chronic infections of the respiratory tract] Petrović B.
Plucne Bolesti 1986 Jan-Mar;38(1):28-31 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

Upper respiratory tract viral infection and mucociliary clearance. Wilson R, et al. **Eur J Respir Dis** 1987 May; 70(5):272-9

Airway inflammation and autonomic control. Barnes PJ.
Eur J Respir Dis [Suppl] 1986;147:80-7 (37 ref.)

The clinical relevance of airway inflammation. Pauwels R.
Eur J Respir Dis [Suppl] 1986;147:88-92 (14 ref.)

Mediators of airway inflammation. Raphael GD, et al.
Eur J Respir Dis [Suppl] 1986;147:44-56 (40 ref.)

Obstructive azoospermia and chronic sinobronchial disease (Young's syndrome) in identical twins. Teichtahl H, et al. **Fertil Steril** 1987 May;47(5):879-81

PREVENTION & CONTROL

Prevention of lower respiratory herpes simplex virus infection with acyclovir in patients with the adult respiratory distress syndrome. Tuxen DV, et al.
Am Rev Respir Dis 1987 Aug;136(2):402-5

Application of case management to the control of acute respiratory infections in low-birth-weight infants: a feasibility study. Datta N, et al. **Bull WHO** 1987;65(1):77-82

Progress towards control of the acute respiratory viral diseases of childhood. Pringle CR. **Bull WHO** 1987; 65(2):133-7

Immunization of Canadian Armed Forces personnel with live types 4 and 7 adenovirus vaccines. Chaloner-Larsson G, et al. **Can J Public Health** 1986 Sep-Oct;77(5):367-70

Preventing lower airway colonization and infection in mechanically ventilated patients. van Uffelen R, et al.
Crit Care Med 1987 Feb;15(2):99-102

Prospects of national ARI control programme in India. Dutta M, et al. **Indian J Pediatr** 1987 Mar-Apr;54(2):149-52

Need for a national control programme for acute respiratory infections. Kumar V. **Indian J Pediatr** 1987 Mar-Apr; 54(2):145-8

Prevention of acute respiratory infections. Singhi S, et al. **Indian J Pediatr** 1987 Mar-Apr;54(2):161-70

Colonization resistance: a guide to antibiotic policy in the ICU. van Griethuysen AJ, et al. **Infect Control** 1987 Jul; 8(7):269-70

Prevention of colonization and respiratory infections in long-term ventilated patients by local antimicrobial prophylaxis. Unertl K, et al. **Intensive Care Med** 1987; 13(2):106-13

The effect of oropharyngeal decontamination using topical nonabsorbable antibiotics on the incidence of nosocomial respiratory tract infections in multiple trauma patients. Stoutenbeek CP, et al. **J Trauma** 1987 Apr;27(4):357-64

Acute respiratory infections in children under five years. Control project in Bagamoyo District, Tanzania. Mtango FD, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):851-8

[Biostim prevention of recurrent respiratory infections in children. A double-blind versus placebo study] Paupe J, et al. **Ann Pediatr (Paris)** 1986 Nov;33(9):843-5 (Eng. Abstr.) **(Fre)**

[Prevention of bronchopulmonary superinfections in severe head injuries: study of ceftriaxone and minocycline] Delhumeau A, et al. **Cah Anesthesiol** 1986 Nov;34(7):561-4 **(Fre)**

[Reduction of respiratory infections with the use of a Pall filter: an unproven concept (letter)] Daschner F.
Anaesthesist 1987 Jan;36(1):46 **(Ger)**

[What is the benefit of subglottic suction?] Stuttmann R, et al. **Anaesthesist** 1987 Feb;36(2):87-90 (Eng. Abstr.) **(Ger)**

[Artificial respiration of the patient. 2. Recommendations for solving hygiene problems] Lang VO. **Med Klin** 1987 May 15;82(11):405-13 **(Ger)**

[Studies on the defense mechanisms in the respiratory system. Report II. Studies on lysozyme as a defense factor against infection] Kado M. **Bull Chest Dis Res Inst Kyoto Univ** 1980 Mar;13(1-2):32-43 (Eng. Abstr.) **(Jpn)**

[Prevention of acute respiratory virus infections in children] Aksenov VV, et al. **Pediatriia** 1987;(3):107-8 **(Rus)**

[Prevention of iron deficiency as a measure for decreasing morbidity in children] Tetiukhina LN, et al. **Pediatriia** 1987; (4):72-3 **(Rus)**

[Prevention and early diagnosis of tuberculosis of the respiratory organs in children and adolescents] Kshanovskiĭ SA, et al. **Probl Tuberk** 1986;(10):3-6 (Eng. Abstr.) **(Rus)**

[Ways of improving the prevention of recurrences of tuberculosis of the respiratory organs] Petrenko VM, et al. **Probl Tuberk** 1987;(1):16-9 (Eng. Abstr.) **(Rus)**

[Various results and prospects for the dispensarization of the population for the purpose of reducing morbidity with influenza, other acute viral respiratory infections and their complications] Zlydnikov DM, et al. **Tr Inst Pastera** 1985; 63:18-22 **(Rus)**

[Features of the plaque-formation reaction in servicemen in their initial period of service] Gorbakov VV, et al.
Voen Med Zh 1987 Jan;(1):69 **(Rus)**

[Prevention of influenza and other acute respiratory diseases among the troops] Perepelkin VS. **Voen Med Zh** 1986 Nov; (11):32-4 **(Rus)**

PSYCHOLOGY

Upper respiratory tract infections increase self-rated hostility and distress. Hashimoto F, et al. **Int J Psychiatry Med** 1987; 17(1):41-7

RADIOGRAPHY

Septic emboli. Mrose HE, et al. **Am Fam Physician** 1987 Mar; 35(3):147-8

[Incidence and significance of disease of the paranasal sinuses in small children] Friedrich W, et al.
Z Arztl Fortbild (Jena) 1986;80(17):707-10 **(Ger)**

RADIONUCLIDE IMAGING

The distribution of lung damage in children with cystic fibrosis and its relationship to colonisation with Pseudomonas aeruginosa. Evans I, et al.
Eur J Nucl Med 1987;12(12):620-2

REHABILITATION

[Medical vocational rehabilitation of tuberculosis patients] Fisher IuIa, et al. **Probl Tuberk** 1987;(3):8-11 (Eng. Abstr.) **(Rus)**

THERAPY

Children's respiratory viral diseases treated with interferon aerosol. Dai JX, et al. **Chin Med J [Engl]** 1987 Feb; 100(2):162-6

Drugs for acute infection during pregnancy need careful selection. Niebyl JR. **Postgrad Med** 1987 Sep 15;82(4):36

Pediatric acute respiratory infections in developing countries [letter] Luelmo F. **Rev Infect Dis** 1987 Mar-Apr;9(2):427-8

[Treatment of obstructive upper respiratory tract infections in children] Meretoja OA, et al. **Duodecim** 1986; 102(13):895-906 **(Fin)**

[Immunotherapy of recurrent respiratory infections. Double-blind study of a new immunomodulator in 60 patients] Germouty J. **Rev Pneumol Clin** 1986;42(4):207-13 (Eng. Abstr.) **(Fre)**

[Recurrent respiratory tract infections. Treatment by oral immunostimulation with Broncho-Vaxom] Wiedey KD. **Fortschr Med** 1987 Mar 30;105(9):176-80 (Eng. Abstr.) **(Ger)**

[Results of maxillary sinus irrigation in childhood] Schmidt HJ, et al. **Z Arztl Fortbild (Jena)** 1986;80(17):711-3 **(Ger)**

[Possibilities for managing and treating sick children at child day care centers] Friedrich W. **Z Gesamte Hyg** 1987 Feb; 33(2):80-2 (Eng. Abstr.) **(Ger)**

[Use of a polyvalent oral bacterial vaccine in recurrent respiratory infections in children] Scotti L, et al.
Minerva Pediatr 1987 Apr 15;39(7):251-6 (Eng. Abstr.) **(Ita)**

[Refractory respiratory tract infections. 8. Clinical efficacy and application of combined therapy with antibiotics. a. Immunoglobulin therapy] Katsunuma H, et al.
Nippon Rinsho 1987 Mar;45(3):588-99 **(Jpn)**

[Broncho-Vaxom in the treatment of recurrent respiratory tract infections in children] Jankowski A, et al.
Pneumonol Pol 1986 Jun;54(6):231-5 (Eng. Abstr.) **(Pol)**

[Forced microbial stimulation in respiratory infections] Filip V, et al. **Rev Med Interna [Med Interna]** 1986 Jul-Aug; 38(4):369-72 **(Rum)**

[Hemosorption in the combined therapy of infectious toxic shock] Moskaliuk MP, et al. **Anesteziol Reanimatol** 1987 Mar-Apr;(2):53-4 **(Rus)**

[Effect of leukocyte interferon and its inducers on the prekallikrein-kallikrein system of the blood serum in children with acute respiratory viral infections] Plakhtil LIa, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):107-8 (Eng. Abstr.) **(Rus)**

[Treatment of croup in acute viral respiratory infections in children] Nosov SD. **Pediatriia** 1986 Oct;(10):56-8 **(Rus)**

[Principles of the pathogenetic therapy of patients with tuberculosis of the respiratory organs] Iashchenko BP.
Probl Tuberk 1986;(10):65-70 **(Rus)**

[Treatment of acute respiratory viral infections with an obstructive syndrome in children] Fadeeva KI, et al.
Tr Inst Pastera 1985;63:55-7 **(Rus)**

[Effect of laser and aerosol electrophytotherapy on immunological reactivity in respiratory diseases in children] Orzheshkovskiĭ VV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1987 May-Jun; (3):30-2 (Eng. Abstr.) **(Rus)**

[Analysis of errors in determining the aspiration dosage in aerosol immunization and in the experimental study of aerogenic infections] Gapochko KG, et al.
Zh Mikrobiol Epidemiol Immunobiol 1986 Aug;(8):45-8 (Eng. Abstr.) **(Rus)**

VETERINARY

Effects of Bordetella avium infection on the pulmonary clearance of Escherichia coli in turkeys. Van Alstine WG, et al. **Am J Vet Res** 1987 Jun;48(6):922-6

The effects of infectious coryza on the egg production of a layer flock. Arzey GG. **Aust Vet J** 1987 Apr;64(4):124-6

Comparison of adjuvants for an inactivated infectious coryza vaccine. Reid GG, et al. **Avian Dis** 1987 Jan-Mar; 31(1):59-63

The effects of temperature and humidity on some animal diseases--a review. Dennis MJ. **Br Vet J** 1986 Sep-Oct; 142(5):472-85 (98 ref.)

Clinical aspects of Streptococcus equi infection. Yelle MT.
Equine Vet J 1987 Mar;19(2):158-62

Identification of ovine adenovirus types five and six in an epizootic of respiratory tract disease in recently weaned lambs. LeaMaster BR, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1545-7

Evaluation of respiratory lesions in chickens induced by Mycoplasma gallisepticum. Nunoya T, et al.
Nippon Juigaku Zasshi 1987 Aug;49(4):621-9

Proliferation of Pasteurella haemolytica in the calf respiratory tract after an abrupt change in climate. Jones CD.
Res Vet Sci 1987 Mar;42(2):179-86

The immune response to experimental Pasteurella haemolytica infection in calves. Burroughs AL, et al.
Vet Microbiol 1987 May;14(1):75-9

Mycoplasma bovis infection in gnotobiotic calves and combined infection with respiratory syncytial virus. Thomas LH, et al. **Vet Pathol** 1986 Sep;23(5):571-8

Close relationship between TRT virus isolates [letter] Baxter-Jones C, et al. **Vet Rec** 1987 Jun 6;120(23):562

Housing of ruminants. I. Its advantages and its health problem. Parker WH. **Vet Rec** 1968 Aug 31;83(9):208-10

Preliminary observations on a virus associated with turkey rhinotracheitis [letter] Wyeth PJ, et al. **Vet Rec** 1986 Aug 9;119(6):139

[Effect of Baytril (Bay Vp 2674) on young turkeys with respiratory tract infections] Braunius WW.
Tijdschr Diergeneeskd 1987 May 1;112(9):531-3 (Eng. Abstr.) **(Dut)**

[Aerobic bacterial flora of the nasal cavity of rabbits] Duclos P, et al. **Ann Rech Vet** 1986;17(2):185-90 (Eng. Abstr.) **(Fre)**

[Respiratory infectious diseases in horses] Mayr A.
Tierarztl Prax 1987;Suppl 2:1-4 (0 ref.) (Eng. Abstr.) **(Ger)**

[Pathogenesis of upper respiratory viral infection in protein deficient chickens] Ukai K, et al.
Nippon Jibiinkoka Gakkai Kaiho 1986 Sep;89(9):1172-8 (Eng. Abstr.) **(Jpn)**

RESPIRATORY TRACT NEOPLASMS

CHEMICALLY INDUCED

Exposure to arsenic and respiratory cancer. A reanalysis. Enterline PE, et al. **Am J Epidemiol** 1987 Jun;125(6):929-38

Failure to transmit diethylnitrosamine tumorigenicity from transplacentally exposed F1 generation Syrian hamsters to the respiratory tract of F2 and F3 generations. Ernst H, et al. **Cancer Res** 1987 Oct 1;47(19):5112-5

Contribution of formaldehyde to respiratory cancer. Nelson N, et al. **Environ Health Perspect** 1986 Dec;70:23-35

Modifying effects of disulfiram on DNA adduct formation and persistence of benzaldehyde in N-nitroso-N-methyl-benzylamine-induced carcinogenesis in rats. Schweinsberg F, et al.
J Cancer Res Clin Oncol 1986;112(2):75-80

An industry-wide study of respiratory cancer in chemical workers exposed to chloromethyl ethers. Collingwood KW, et al. **JNCI** 1987 Jun;78(6):1127-36

Respiratory cancer among chloromethyl ether workers. Maher KV, et al. **JNCI** 1987 May;78(5):839-43

Airborne cadmium and carcinogenesis of the respiratory tract. Oberdörster G. **Scand J Work Environ Health** 1986

Dec;12(6):523–37 (107 ref.)

COMPLICATIONS

Fungal colonization in patients with cancer of the upper respiratory tract. Vidotto V, et al. **Mycopathologia** 1986 Nov;96(2):97–101

DIAGNOSIS

Bronchoscopic and radiologic features of Kaposi's sarcoma involving the respiratory system. Zibrak JD, et al. **Chest** 1986 Oct;90(4):476–9

ETIOLOGY

Workshop on the Contribution of Airborne Pollutants to Respiratory Cancer. July 15–19, 1985, Snowbird, Utah. Proceedings. **Environ Health Perspect** 1986 Dec;70:1–83

Contribution of passive smoking to respiratory cancer. Kuller LH, et al. **Environ Health Perspect** 1986 Dec;70:57–69

Contribution of organic particulates to respiratory cancer. Matanoski G, et al. **Environ Health Perspect** 1986 Dec; 70:37–49

Contribution of environmental fibers to respiratory cancer. Omenn GS, et al. **Environ Health Perspect** 1986 Dec; 70:51–6

Occupational cancers of the respiratory tract. Frank AL. **State Art Rev Occup Med** 1987 Jan–Mar;2(1):71–83 (106 ref.)

[Retrospective evaluation of occupational exposure in epidemiologic studies. Use of the Delphi method] Goldberg M, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):245–51 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

In vitro hyperdiploidy in dermal fibroblasts: evidence for genetic predisposition in aerodigestive tract cancer. Danes BS, et al. **Clin Genet** 1987 Jan;31(1):25–34

MORTALITY

[Risk of cancer in women occupationally exposed to asbestos dust] Szeszenia-Dabrowska N, et al. **Med Pr** 1986; 37(4):243–9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Epidemiology of respiratory cancers related to nickel mining and refining in New Caledonia (1978–1984). Goldberg M, et al. **Int J Cancer** 1987 Sep 15;40(3):300–4

A cohort study on second malignancies in gastrectomized patients with gastric cancer. I. Second malignancies other than cancer of the gastric remnant. Hirono M, et al. **Jpn J Surg** 1986 Sep;16(5):336–43

[Epidemiology of occupational cancer of the upper respiratory tract in Poland 1971–1985] Sulkowski W, et al. **Med Pr** 1986;37(6):353–61 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Prognostic factors in cervical lymph node metastasis in upper respiratory and digestive tract carcinomas: study of 1,713 cases during a 15-year period. Richard JM, et al. **Laryngoscope** 1987 Jan;97(1):97–101

RADIOTHERAPY

[First results of high-dose-rate 192-Iridium afterloading method applied alone or associated with laser therapy in tumors of the respiratory and digestive tracts] Ries G, et al. **Strahlenther Onkol** 1986 Sep;162(9):555–60 (Eng. Abstr.) **(Ger)**

SURGERY

[Reaction of the internal environment to major surgical stress in the surgical treatment of carcinoma of the upper deglutition and respiratory pathways and the larynx] Rous J, et al. **Cesk Otolaryngol** 1986 Nov;35(6):351–60 (Eng. Abstr.) **(Cze)**

THERAPY

Radiotherapy versus radiotherapy plus chemotherapy in stages I and II non-Hodgkin's lymphoma of the upper digestive and respiratory tract. Ossenkoppele GJ, et al. **Cancer** 1987 Oct 1;60(7):1505–9

[Cyclic concomitant radiotherapy-chemotherapy combination. Results of a phase I–II study in cancers of the upper aero-digestive tract (letter)] Vannetzel JM, et al. **Presse Med** 1987 Mar 14;16(9):448–9 **(Fre)**

RESPITE CARE

The unremitting burden on carers [letter] Warren M. **Br Med J** 1987 Feb 7;294(6568):371

The realities of respite for families, clients, and sponsors. Miller DB, et al. **Gerontologist** 1986 Oct;26(5):467–70

The need for respite care following natural disasters. Murden RA, et al. **Gerontologist** 1987 Jun;27(3):356–8

RESPONSE INTERFERENCE see under **COGNITION DISORDERS**

RESPONSE LATENCY see **REACTION TIME**

RESPONSE TIME see **REACTION TIME**

RESPONSIBILITY, SOCIAL see **SOCIAL RESPONSIBILITY**

REST

see related
BED REST

Quantitative topochemistry of rat liver enzymes during postnatal development in relation to activity-rest cycle. Bhattacharya RD, et al. **Acta Anat (Basel)** 1987; 128(1):39–44

The Breuer-Hering reflex at rest and during electrically induced locomotion in decerebrate cat. Romaniuk JR, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(2–3):141–51

Reproducibility of rest and exercise left ventricular ejection fraction and volumes in chronic aortic regurgitation. Cornyn JW, et al. **Am J Cardiol** 1987 Jun 1;59(15):1361–5

Dynamic variations in resistance of coronary arterial narrowings in angina pectoris at rest. Ganz P, et al. **Am J Cardiol** 1987 Jan 1;59(1):66–70

Hepatic splanchnic function in acutely hypoxemic humans at rest. Blackmon JR, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R887–92

Substrate and O2 fluxes during rest and exercise in a high-altitude-adapted animal, the llama. Hochachka PW, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R298–305

Subacute hemodynamic effects of nebivolol in man at rest and during exercise. De Crée J, et al. **Angiology** 1987 Jun; 38(6):440–8

Human-environment process: a test of Rogers' principle of integrality. Smith MJ. **ANS** 1986 Oct;9(1):21–8

The ulcerogenic effect of a rest period after exposure to water-restraint stress in rats. Overmier JB, et al. **Behav Neural Biol** 1986 Nov;46(3):372–82

Quality of poststressor rest influences the ulcerative process. Overmier JB, et al. **Behav Neurosci** 1987 Apr;101(2):246–53

Use-dependence of ryanodine effects on postrest contraction in ferret cardiac muscle. Malecot CO, et al. **Circ Res** 1987 Apr;60(4):560–7

Lipoproteins status in professional football players after period of vacation and one month after a new intensive training program. Tater D, et al. **Horm Metab Res** 1987 Jan;19(1):24–7

Estimation of empty time. Campbell SS. **Hum Neurobiol** 1986; 5(3):205–7

Experimental human exposure to carbon disulfide. I. Respiratory uptake and elimination of carbon disulfide under rest and physical exercise. Rosier J, et al. **Int Arch Occup Environ Health** 1987;59(3):233–42

Adaptation of the resting states of accommodation. Wolfe JM, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):992–6

Differences in coronary flow and myocardial metabolism at rest and during pacing between patients with obstructive and patients with nonobstructive hypertrophic cardiomyopathy. Cannon RO 3d, et al. **J Am Coll Cardiol** 1987 Jul;10(1):53–62

Effects of nifedipine on arterial oxygenation at rest and during exercise in patients with stable angina. Choong CY, et al. **J Am Coll Cardiol** 1986 Dec;8(6):1461–6

Hemodynamic and hormonal abnormalities in canine aortic coarctation at rest and during exercise. Declusin RJ, et al. **J Am Coll Cardiol** 1987 Apr;9(4):903–9

Complexity of lactate kinetics [letter] **J Appl Physiol** 1986 Dec;61(6):2280–2

Effect of resting smooth muscle length on contractile response in resistance airways. Shioya T, et al. **J Appl Physiol** 1987 Feb;62(2):711–7

Irregularity of rest and activity: studies on circadian rhythmicity in man. Minors DS, et al. **J Physiol (Lond)** 1986 Dec;381:279–95

Plasma free fatty acid profile in male and female domestic fowl at rest and after exercise. Vincent R, et al. **Poult Sci** 1987 Feb;66(2):368–72

The effect of visual and auditory stimuli upon resting ventilation in man. Shea SA, et al. **Respir Physiol** 1987 Jun;68(3):345–57

Evidence for individuality of breathing patterns in resting healthy man. Shea SA, et al. **Respir Physiol** 1987 Jun; 68(3):331–44

Effect of breathing dry warm air on respiratory water loss at rest and during exercise. Tabka Z, et al. **Respir Physiol** 1987 Feb;67(2):115–25

Beta-adrenergic receptors of human lymphocytes in physically active and immobilized subjects: characterization by a polyethylene glycol precipitation assay. Mäki T, et al. **Scand J Clin Lab Invest** 1987 May; 47(3):261–7

Rest behavior. Dallaire A. **Vet Clin North Am [Equine Pract]** 1986 Dec;2(3):591–607

[Variations in blood pressure at rest and during the day in 40 ambulatory hypertensive patients] Letac B, et al. **Arch Mal Coeur** 1986 Jul;79(8):1181–7 (Eng. Abstr.) **(Fre)**

[Spontaneous fluctuations in the composition of alveolar air at rest and under loading] Vinitskaia RS, et al. **Fiziol Zh** 1987 May–Jun;33(3):7–12 (Eng. Abstr.) **(Rus)**

[Effect of noise at recreational facilities on the functional status of resting subjects] Orlov OG, et al. **Gig Sanit** 1987 Mar;(3):32–5 (Eng. Abstr.) **(Rus)**

REST VERTICAL DIMENSION see **VERTICAL DIMENSION**

RESTAURANTS

The restaurant syndromes [editorial] Settipane GA. **Arch Intern Med** 1986 Nov;146(11):2129–30

Passive smoking at work: biochemical and biological measures of exposure to environmental tobacco smoke. Husgafvel-Pursiainen K, et al. **Int Arch Occup Environ Health** 1987;59(4):337–45

Promoting nutrition in commercial foodservice establishments: a realistic approach. Regan C. **J Am Diet Assoc** 1987 Apr;87(4):486–8

The restaurant syndromes. Settipane GA. **New Engl Reg Allergy Proc** 1987 Jan–Feb;8(1):39–46 (68 ref.)

[Fast food--an analysis of the consumer profile of 2 typical representatives of these chains] Bachmann G, et al. **Soz Praventivmed** 1986;31(4–5):236–7 (Eng. Abstr.) **(Ger)**

[Fat and fatty acids in food rations in school and university cafeterias and in nursery schools] Amarowicz R, et al. **Rocz Panstw Zakl Hig** 1986;37(2):126–30 (Eng. Abstr.) **(Pol)**

RESTING PHASE see **INTERPHASE**

RESTING POTENTIALS see **MEMBRANE POTENTIALS**

RESTLESS LEGS

The restless legs syndrome. Gibb WR, et al. **Postgrad Med J** 1986 May;62(727):329–33 (54 ref.)

COMPLICATIONS

Restless leg syndrome: unusual cause of agitation under anesthesia [letter] Shin YK. **South Med J** 1987 Feb; 80(2):278–9

DIAGNOSIS

Nocturnal myoclonus, restless legs syndrome, and abnormal electrophysiological findings [letter] Martinelli P, et al. **Ann Neurol** 1987 May;21(5):515

Restless legs syndrome [editorial] Clough C. **Br Med J** 1987 Jan 31;294(6567):262–3

DRUG THERAPY

Restless legs syndrome [letter] Robinson ML. **Br Med J [Clin Res]** 1987 Apr 4;294(6576):903

Restless legs syndrome treatment with dopaminergic drugs. Akpinar S. **Clin Neuropharmacol** 1987;10(1):69–79

Restless legs syndrome and periodic movements in sleep: physiopathology and treatment with L-dopa. Montplaisir J, et al. **Clin Neuropharmacol** 1986;9(5):456–63

Possible efficacy of alprazolam in restless leg syndrome. Scharf MB, et al. **Hillside J Clin Psychiatry** 1986; 8(2):214–23

Dyskinesias while awake and periodic movements in sleep in restless legs syndrome: treatment with opioids. Hening WA, et al. **Neurology** 1986 Oct;36(10):1363–6

Nocturnal myoclonus: treatment efficacy of clonazepam and temazepam. Mitler MM, et al. **Sleep** 1986;9(3):385–92

[Preliminary results with clonidine in the restless legs syndrome in 2 hemodialyzed uremic patients] Cavatorta F, et al. **Minerva Urol Nefrol** 1987 Jan–Mar;39(1):93 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Restless legs syndrome [letter] **Neurology** 1987 Aug; 37(8):1436–7

HISTORY

Akathisia (restless legs) [letter] Caughey JE. **NZ Med J** 1987 Feb 25;100(818):121

OCCURRENCE

[Incidence and aspects of the Ekbom syndrome. Study involving French dermatologists (apropos of 150 cases)] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Jun; 144(6):659–68 **(Fre)**

PHYSIOPATHOLOGY

Somatosensory and brainstem auditory evoked responses in sleep-related periodic leg movements. Mosko SS, et al. **Sleep** 1986;9(3):399–404

PSYCHOLOGY

[Ekbom's syndrome and delusion of skin infestation. 1. Review of the literature] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):321–40 **(Fre)**

THERAPY

Treatments for restless legs syndrome [letter] **West J Med** 1986 Oct;145(4):522–3

RESTLESSNESS see **PSYCHOMOTOR AGITATION**

RESTRAINT, PHYSICAL

see related
IMMOBILIZATION
PROTECTIVE DEVICES

Effects of legislation on motor vehicle injuries to children. Agran PF, et al. **Am J Dis Child** 1987 Sep;141(9):959–64

Restraints in the treatment of a patient with multiple personality. Young WC. **Am J Psychother** 1986 Oct; 40(4):601–6

Changes in myocardial norepinephrine levels in response to stress, exercise and aging in control and T. cruzi–infected rats. Oliveira JS, et al. **Braz J Med Biol Res** 1986; 19(3):367–74

Nursing home reduces restraints in keeping with its philosophy. Hollingsworth GA. **Dimens Health Serv** 1986 Nov;63(8):39–40

When the care plan says restrain. Rose J.
Geriatr Nurs (New York) 1987 Jan–Feb;8(1):20–1

No wet packs [letter] Salzman C.
Hosp Community Psychiatry 1986 Sep;37(9):943

Behavior modification of pica in a geriatric patient [letter] Nash DL, et al. **J Am Geriatr Soc** 1987 Jan;35(1):79–80

Binding the elderly: a prospective study of the use of mechanical restraints in an acute care hospital. Robbins LJ, et al. **J Am Geriatr Soc** 1987 Apr;35(4):290–6

Stimulus fading and transfer in the treatment of self–restraint and self–injurious behavior. Pace GM, et al.
J Appl Behav Anal 1986 Winter;19(4):381–9

Differences between Saimiri sciureus and Callicebus moloch in physiological responsiveness: implications for behavior. Cubicciotti DD 3d, et al. **J Comp Psychol** 1986 Dec; 100(4):385–91

Formulating a restraint use policy. Morrison J, et al.
J Nurs Adm 1987 Mar;17(3):39–42

Adaptation of pregnant rhesus monkeys to short–term chair restraint. Golub MS, et al. **Lab Anim Sci** 1986 Oct; 36(5):507–11

Role of peripheral and central opioid activity in analgesia induced by restraint stress. Kelly SJ, et al. **Life Sci** 1987 Aug 10;41(6):789–94

Child restraint law effects on motor vehicle accident fatalities and injuries: the New Mexico experience. Sewell CM, et al. **Pediatrics** 1986 Dec;78(6):1079–84

Effects of detention and illumination on rats' exploratory behavior in a two–box apparatus. Ambrogi Lorenzini C, et al. **Physiol Behav** 1987;39(1):103–9

The use of physical force. Ratzan RM. **Postgrad Med** 1987 Jan;81(1):125, 128

[Oxygen consumption of rats during acute immobilization] Ankermann H. **Biomed Biochim Acta** 1986;45(8):1035–41 **(Ger)**

ADVERSE EFFECTS

Child safety seats [letter] Proehl JA, et al.
Ann Emerg Med 1987 Jun;16(6):723

Safety indices associated with the use of contingent restraint procedures. Spreat S, et al. **Appl Res Ment Retard** 1986; 7(4):475–81

Deaths allegedly caused by the use of "choke holds" (shime–waza). Koiwai EK. **J Forensic Sci** 1987 Mar; 32(2):419–32

Accidental strangulation from vest restraints. Dube AH, et al. **JAMA** 1986 Nov 21;256(19):2725–6

Staff injury rates associated with the implementation of contingent restraint. Hill J, et al. **Ment Retard** 1987 Jun; 25(3):141–5

Restraint stress in biomedical research: a review. Paré WP, et al. **Neurosci Biobehav Rev** 1986 Fall;10(3):339–70 (392 ref.)

INSTRUMENTATION

Use of restraining belt at night causing accidental death of a severely retarded child [letter] Beasley SW.
Aust NZ J Psychiatry 1986 Dec;20(4):502–3

Ecological assessment of self–protective devices in three profoundly retarded adults. Rojahn J, et al.
J Autism Dev Disord 1980 Mar;10(1):59–66

Accidental strangulation from vest restraints [letter] Katz L. **JAMA** 1987 Apr 17;257(15):2032–3

Non–occlusive harness for dermal toxicity studies with rabbits. Kamerman J, et al. **Lab Anim Sci** 1986 Oct; 36(5):542–3

[Injuries caused by traffic accidents: passive safety and restraint systems in automobiles] Zuppichini F, et al.
Chir Ital 1986 Oct;38(5):464–79 (Eng. Abstr.) **(Ita)**

[Restraint systems for children transported in automobiles] Zuppichini F, et al. **Chir Ital** 1986 Oct;38(5):519–26 (Eng. Abstr.) **(Ita)**

[Device for restraining small laboratory animals] Mozzhukhina TB, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):591–3 **(Rus)**

METHODS

A technique to restrain awake rats for recording single–unit activity with glass micropipettes and conventional microdrives. Cassella JV, et al. **J Neurosci Methods** 1987 Feb;19(2):105–13

PSYCHOLOGY

[Wet pack treatment in schizophrenic crisis] Bovier P, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(6):145–8 **(Fre)**

VETERINARY

An improved surgical cradle for sheep. Austin ME, et al. **Aust Vet J** 1986 Oct;63(10):346–7

A device for restraining rabbits while bloodfeeding mosquitoes. Dobson SE, et al. **Lab Anim Sci** 1987 Jun; 37(3):364–5

A method for tethering dogs in a run. Eckstein EC, et al. **Lab Anim Sci** 1987 Apr;37(2):234–5

A plastic cage for restraint of the opossum (Didelphis virginiana). Thomason JJ, et al. **Lab Anim Sci** 1986 Oct; 36(5):547–9

A restraining system for plethysmography in small animals. Wiester MJ, et al. **Lab Anim Sci** 1987 Apr;37(2):235–8

Restraint. Caudle AB, et al.
Vet Clin North Am [Equine Pract] 1986 Dec;2(3):645–51

Capture techniques in feral ruminants. Spraker TR.
Vet Clin North Am [Food Anim Pract] 1986 Nov; 2(3):693–710 (11 ref.)

RESTRICTION ENDONUCLEASES see **DNA RESTRICTION ENZYMES**

RESTRICTION FRAGMENT LENGTH POLYMORPHISMS see under **POLYMORPHISM (GENETICS)**

RESUSCITATION

Prehospital coronary care. Wennerblom B.
Acta Med Scand [Suppl] 1986;712:25–8

'Do not resuscitate' policies. Franklin C. **Acute Care** 1985; 11(3–4):208–11 (22 ref.)

Penetrating abdominal trauma: resuscitation, diagnostic evaluation, and definitive management. Briggs SE, et al. **Adv Surg** 1987;20:1–46 (83 ref.)

Successful cardiopulmonary resuscitation in a patient with rare sinus node artery anomaly. Shalev Y, et al.
Am Heart J 1987 Mar;113(3):820–2

Frequency of hypokalemia after successfully resuscitated out–of–hospital cardiac arrest compared with that in transmural acute myocardial infarction. Salerno DM, et al. **Am J Cardiol** 1987 Jan 1;59(1):84–8

Evaluation of mask–bag ventilation in resuscitation of infants. Kanter RK. **Am J Dis Child** 1987 Jul;141(7):761–3

Arrest team management of pediatric cardiopulmonary arrest. Baker MD. **Am J Emerg Med** 1987 Mar;5(2):149–52

Emergency management of missile injuries to the brain: resuscitation, triage, and preoperative stabilization. Dagi TF. **Am J Emerg Med** 1987 Mar;5(2):140–8

Effects of naloxone on the adrenomedullary response during and after cardiopulmonary resuscitation in dogs. Foley PJ, et al. **Am J Emerg Med** 1987 Sep;5(5):357–61

Brain cortex tissue Ca, Mg, Fe, Na, and K following resuscitation from cardiac arrest in dogs. Hoehner TJ, et al. **Am J Emerg Med** 1987 Jan;5(1):19–23

Prehospital care of the pulseless, nonbreathing pediatric patient. Losek JD, et al. **Am J Emerg Med** 1987 Sep; 5(5):370–4

End organ flow: a prerequisite for resuscitation/reanimation [editorial] Nowak RM. **Am J Emerg Med** 1987 Jan; 5(1):85–6

Is advanced cardiac life support the standard of care? [letter] Pointer JE. **Am J Emerg Med** 1987 Jan;5(1):89

Resuscitation–induced myocardial necrosis. Catecholamines and defibrillation. Karch SB.
Am J Forensic Med Pathol 1987 Mar;8(1):3–8

Fluid resuscitation in thermally injured children. Merrell SW, et al. **Am J Surg** 1986 Dec;152(6):664–9

In–hospital cardiopulmonary resuscitation: prospective survey of management and outcome. Woog RH, et al.
Anaesth Intensive Care 1987 May;15(2):193–8

Cardiopulmonary resuscitation in district general hospitals [letter] Newman B. **Anaesthesia** 1987 Mar;42(3):314–5

Bunegin–Albin catheter improves air retrieval and resuscitation from lethal venous air embolism in dogs. Colley PS, et al. **Anesth Analg** 1987 Oct;66(10):991–4

Effects of fructose–1,6–diphosphate, glucose, and saline on cardiac resuscitation. Farias LA, et al. **Anesthesiology** 1986 Dec;65(6):595–601

Comparison of epinephrine and phenylephrine for resuscitation and neurologic outcome of cardiac arrest in dogs. Brillman J, et al. **Ann Emerg Med** 1987 Jan;16(1):11–7

Family participation during resuscitation: an option. Doyle CJ, et al. **Ann Emerg Med** 1987 Jun;16(6):673–5

Acute thrombosis of subclavian artery during CPR. Hay E, et al. **Ann Emerg Med** 1987 Apr;16(4):447–51

Retrograde intubation of the trachea. McNamara RM.
Ann Emerg Med 1987 Jun;16(6):680–2

Selective venous hypercarbia during human CPR: implications regarding blood flow. Nowak RM, et al.
Ann Emerg Med 1987 May;16(5):527–30

Deterioration of conjunctival PO2 after CPR. Rutherford WF, et al. **Ann Emerg Med** 1987 Aug;16(8):894–7

Saline–expanded group O uncrossmatched packed red blood cells as an initial resuscitation fluid in severe shock. Schwab CW, et al. **Ann Emerg Med** 1986 Nov;15(11):1282–7

Resuscitation of the trauma patient: restoration of hemodynamic functions using clinical algorithms. Shoemaker WC, et al. **Ann Emerg Med** 1986 Dec; 15(12):1437–44

Power of the P value [letter] Vertesi L. **Ann Emerg Med** 1987 Mar;16(3):375–6

Oxygen delivery and resuscitation. Waxman K.
Ann Emerg Med 1986 Dec;15(12):1420–2

Noninvasive monitoring in emergency resuscitation. Waxman K. **Ann Emerg Med** 1986 Dec;15(12):1434–6

Resuscitation from hemorrhagic shock. Alterations of the intracranial pressure after normal saline, 3% saline and dextran–40. Gunnar WP, et al. **Ann Surg** 1986 Dec; 204(6):686–92

3% NaCl and 7.5% NaCl/dextran 70 in the resuscitation of severely injured patients. Holcroft JW, et al.
Ann Surg 1987 Sep;206(3):279–88

Use of the resuscitation room for trauma. O'Byrne GA, et al. **Arch Emerg Med** 1987 Jun;4(2):83–90

DNR. The case for early retirement [editorial] Donnelly WJ. **Arch Intern Med** 1987 Jan;147(1):37–8

Cancer and resuscitation. Does the diagnosis affect the decision? Lawrence VA, et al. **Arch Intern Med** 1987 Sep; 147(9):1637–40

Traumatic rupture of Ionescu–Shiley aortic valve after the Heimlich maneuver. Passik CS, et al.
Arch Pathol Lab Med 1987 May;111(5):469–70

Preparation and evaluation of hemoglobin–polyethylene glycol conjugate (pyridoxalated polyethylene glycol hemoglobin) as an oxygen–carrying resuscitation fluid. Iwasaki K, et al. **Artif Organs** 1986 Oct;10(5):411–6

Efficacy and safety of hemoglobin–polyethylene glycol conjugate (pyridoxalated polyethylene glycol hemoglobin) as an oxygen–carrying resuscitation fluid. Iwasaki K, et al. **Artif Organs** 1986 Dec;10(6):470–4

The relation between the need for intubation at birth, abnormal cardiotocograms in labour and cord artery blood gas and pH values. Lissauer TJ, et al.
Br J Obstet Gynaecol 1986 Oct;93(10):1060–6

One thousand heart attacks in Grampian: the place of cardiopulmonary resuscitation in general practice. Pai GR, et al. **Br Med J** 1987 Feb 7;294(6568):352–4

A prospective analysis of hypertonic lactated saline v. Ringer's lactate–colloid for the resuscitation of severely burned children. Bowser–Wallace BH, et al.
Burns Incl Therm Inj 1986 Aug;12(6):402–9

Fluid resuscitation with hypertonic salt solutions in experimental burn shock. Mehrkens HH, et al.
Burns Incl Therm Inj 1987 Feb;13(1):53–6

Resuscitation at the place of accident and during transportation. Ahnefeld FW, et al. **Can Anaesth Soc J** 1968 Jan;15(1):15–24

Brain resuscitation. Ventureyra EC, et al.
Can J Neurol Sci 1979 Feb;6(1):71–2

Neonatal resuscitation in Canadian hospitals. Chance GW, et al. **Can Med Assoc J** 1987 Mar 15;136(6):601–6

Resuscitation of the terminally ill [letter] Plenderleith IH. **Can Med Assoc J** 1987 Apr 15;136(8):797

Effects of lung inflation on blood flow during cardiopulmonary resuscitation in the canine isolated heart–lung preparation. Hausknecht MJ, et al. **Circ Res** 1986 Dec;59(6):676–83

Detrimental effect of recent thyroidectomy on hemorrhagic shock and resuscitation. Gallick HL, et al. **Circ Shock** 1987; 21(2):111–9

The effects of graded doses of epinephrine on regional myocardial blood flow during cardiopulmonary resuscitation in swine. Brown CG, et al. **Circulation** 1987 Feb;75(2):491–7

Sequence of mitral valve motion and transmitral blood flow during manual cardiopulmonary resuscitation in dogs. Feneley MP, et al. **Circulation** 1987 Aug;76(2):363–75

Cerebrospinal fluid creatine kinase isoenzyme BB levels do not predict the clinical outcome in patients unconscious following cardiac resuscitation. Clemmensen P, et al.
Clin Cardiol 1987 Apr;10(4):235–6

Monitoring the resuscitation of preterm infants in the delivery room using pulse oximetry. Maxwell LG, et al.
Clin Pediatr (Phila) 1987 Jan;26(1):18–20

Successful cardiopulmonary resuscitation on the ski slope. Carveth SW, et al. **Colo Med** 1986 Oct 1;83(16):276–8

Living wills made under the Colorado Medical Treatment Decision Act and do not resuscitate orders for hospital and nursing home patients: a comparison. Haggerty DM, et al. **Colo Med** 1987 Jun 15;84(10):203–5

Cardiorespiratory and conjunctival oxygen tension monitoring during resuscitation from hemorrhage. Abraham E, et al. **Crit Care Med** 1986 Dec;14(12):1004–9

Methoxamine versus epinephrine on regional cerebral blood flow during cardiopulmonary resuscitation. Brown CG, et al. **Crit Care Med** 1987 Jul;15(7):682–6

Patient care categories: an approach to do–not–resuscitate decisions in a public teaching hospital. Davila F, et al.
Crit Care Med 1986 Dec;14(12):1066–7

Postcountershock pulseless rhythms: hemodynamic effects of glucagon in a canine model. Niemann JT, et al.
Crit Care Med 1987 Jun;15(6):554–8

Clarify "No Code Blue" [letter]DiSabatino A. **Del Med J** 1987 Mar;59(3):231–2

Repeated resuscitation: how lifesaving alters life tables. Vaupel JW, et al. **Demography** 1987 Feb;24(1):123–35

Brain resuscitation [letter] **Heart Lung** 1986 Sep;15(5):537–8

Cardiopulmonary resuscitation. Sarnaik AP, et al. **Indian J Pediatr** 1986 Sep–Oct;53(5):549–58

Initial resuscitation of trauma victims. Trunkey DD. **Instr Course Lect** 1986;35:22–30

Barbiturates and brain ischemia, again [editorial] Abramson NS. **Intensive Care Med** 1987;13(4):221–2

Fluid resuscitation in diabetic emergencies—a reappraisal. Hillman K. **Intensive Care Med** 1987;13(1):4–8 (56 ref.)

The neurologic effects of thiopental therapy after cardiac arrest. Monsalve F, et al. **Intensive Care Med** 1987; 13(4):244–8

Intracranial pressure following cardiopulmonary resuscitation. Sakabe T, et al. **Intensive Care Med** 1987; 13(4):256–9

Resuscitation training for medical students in the United Kingdom—a comparison with the United States of America. Smith GB, et al. **Intensive Care Med** 1987; 13(4):260–5

Knowledge of cardiopulmonary resuscitation in Jerusalem: is the community prepared to handle cardiac arrest? Applebaum D, et al. **Isr J Med Sci** 1987 Apr;23(4):264–7

Serum potassium, calcium and magnesium after resuscitation from ventricular fibrillation: a canine study. Salerno DM, et al. **J Am Coll Cardiol** 1987 Jul;10(1):178–85

Do not resuscitate: an issue for the elderly [editorial] Ende J, et al. **J Am Geriatr Soc** 1986 Nov;34(11):833–4

The choice not to be resuscitated. Schwartz DA, et al. **J Am Geriatr Soc** 1986 Nov;34(11):807–11

Age-related changes in chest geometry during cardiopulmonary resuscitation. Dean JM, et al. **J Appl Physiol** 1987 Jun;62(6):2212–9

Ethics at the end of life: practical principles for making resuscitation decisions. Perkins HS. **J Gen Intern Med** 1986 May–Jun;1(3):170–6

Resuscitation from cardiopulmonary arrest. Training and organization. A report of the Royal College of Physicians. **J R Coll Physicians Lond** 1987 Jul;21(3):175–82

A progress report on the trauma score in predicting a fatal outcome. Champion HR, et al. **J Trauma** 1986 Oct; 26(10):927–31

Cardiopulmonary arrest following penetrating trauma: guidelines for emergency hospital management of presumed exsanguination. Jones TK, et al. **J Trauma** 1987 Jan; 27(1):24–31

Treatment of hypothermia by extracorporeal circulation and internal rewarming. Maresca L, et al. **J Trauma** 1987 Jan; 27(1):89–90

Effects of resuscitation from hemorrhagic shock on cerebral hemodynamics in the presence of an intracranial mass. Poole GV Jr, et al. **J Trauma** 1987 Jan;27(1):18–23

Immediate trauma resuscitation with type O uncrossmatched blood: a two-year prospective experience. Schwab CW, et al. **J Trauma** 1986 Oct;26(10):897–902

Hypertonic sodium chloride solutions: effect on hemodynamics and survival after hemorrhage in swine. Traverso LW, et al. **J Trauma** 1987 Jan;27(1):32–9

Cardiac resuscitation in rural Kansas. Jones RF, et al. **Kans Med** 1987 Jun;88(6):187–9

Peripheral versus central intravenous lines in emergency cardiac care [letter] Gueugniaud PY, et al. **Lancet** 1987 Sep 5;2(8558):573

Calcium solutions for cardiac resuscitation [letter] Nightingale P. **Lancet** 1987 May 23;1(8543):1213

Cardiopulmonary resuscitation skills of hospital medical and nursing staff members. Goucke CR, et al. **Med J Aust** 1986 Nov 17;145(10):496–7

New hope for sudden death survivors. Lehmann MH. **Mich Med** 1987 Feb;86(2):68–70

Pyridoxalated polymerized stroma-free hemoglobin solution (SFHS–PP) as an oxygen-carrying fluid replacement for hemorrhagic shock in dogs. Marks DH, et al. **Milit Med** 1987 May;152(5):265–71

Morbidity and mortality in patients receiving the esophageal obturator airway and the endotracheal tube in prehospital cardiopulmonary arrest. Goldenberg IF, et al. **Minn Med** 1986 Dec;69(12):707–13

Difference in acid–base state between venous and arterial blood during cardiopulmonary resuscitation [letter] **N Engl J Med** 1986 Dec 18;315(25):1616–8

Aggresiveness of nursing care for older patients and those with do-not-resuscitate orders. Shelley SI, et al. **Nurs Res** 1987 May–Jun;36(3):157–62

Where are we going with "do not resuscitate" policies? Greenlaw J. **NY State J Med** 1986 Dec;86(12):618–20

The effect of a community hospital resuscitation policy on elderly patients. Quill TE, et al. **NY State J Med** 1986 Dec;86(12):622–5

Drowning, near-drowning, and ice-water submersions. Orlowski JP. **Pediatr Clin North Am** 1987 Feb;34(1):75–92 (53 ref.)

Pediatric cardiopulmonary resuscitation: a review and a proposal. Ludwig S, et al. **Pediatr Emerg Care** 1985 Mar; 1(1):40–4 (31 ref.)

Endotracheal administration of epinephrine and atropine. Polin K, et al. **Pediatr Emerg Care** 1986 Sep;2(3):168–9

Cytomegalovirus and neonatal resuscitation [letter] Demmler GJ, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):605

Near-miss sudden infant death syndrome: clinical findings and management. Dunne K, et al. **Pediatrics** 1987 Jun; 79(6):889–93

The miracle of Code 1. Schiff AF. **Postgrad Med** 1987 Sep 1;82(3):136–7, 140

Burn shock and its resuscitation. Herndon DN, et al. **Prog Clin Biol Res** 1987;236A:539–57

Orders not to resuscitate and the psychiatric hospital. Cournos F. **Psychiatr Q** 1986–87 Spring;58(1):24–31

Open versus closed chest cardiac massage in non-traumatic cardiac arrest. Alifimoff JK. **Resuscitation** 1987 Mar; 15(1):13–21 (39 ref.)

Hemodynamic mechanisms in CPR: a theoretical rationale for resuscitative thoracotomy in non-traumatic cardiac arrest. Babbs CF. **Resuscitation** 1987 Mar;15(1):37–50

The comparative effects of epinephrine versus phenylephrine on regional cerebral blood flow during cardiopulmonary resuscitation. Brown CG, et al. **Resuscitation** 1986 Nov; 14(3):171–83

Open chest cardiac massage: an overview. Del Guercio LR. **Resuscitation** 1987 Mar;15(1):9–11

Emergency department thoracotomy for trauma: a collective review. Ivatury RR, et al. **Resuscitation** 1987 Mar; 15(1):23–35 (49 ref.)

Open-chest cardiac massage after closed-chest compression in a canine model: when to intervene. Kern KB, et al. **Resuscitation** 1987 Mar;15(1):51–7

Neurologic outcome following successful cardiopulmonary resuscitation in dogs. Kern KB, et al. **Resuscitation** 1986 Nov;14(3):149–55

Resuscitative thoracotomy: introduction. Osborn HH. **Resuscitation** 1987 Mar;15(1):1–8

Theoretical effects of fluid infusions during cardiopulmonary resuscitation as demonstrated in a computer model of the circulation. Tomaszewski CA, et al. **Resuscitation** 1987 Jun; 15(2):97–112

Protective effects of combined superoxide dismutase and deferoxamine on recovery of cerebral blood flow and function after cardiac arrest in dogs. Cerchiari EL, et al. **Stroke** 1987 Sep–Oct;18(5):869–78

Skin microvascular permeability after resuscitation with Ringer's lactate solution from endotoxin shock. Mullins RJ, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):49–56

Cuff-occluded rate of rise of peripheral venous pressure: a new, highly sensitive technique for monitoring blood volume status during hemorrhage and resuscitation. Wolf WM, et al. **Surgery** 1987 Mar;101(3):304–9

[Performance of respiratory resuscitation in combined injuries in childhood] Boicheva A, et al. **Khirurgiia (Sofiia)** 1987; 40(3):11–6 (Eng. Abstr.) **(Bul)**

[Current theories on resuscitation: no practical consequences yet] van den Berg PC, et al. **Ned Tijdschr Geneeskd** 1986 Oct 18;130(42):1883–6 **(Dut)**

[Resuscitation at a large hospital] van Vlies B, et al. **Ned Tijdschr Geneeskd** 1987 May 30;131(22):943–6 (Eng. Abstr.) **(Dut)**

[Proceedings of the 8th Seminar on Neuroanesthesia and Resuscitation: Acute cerebral ischemia and anesthesia and resuscitation. Lyons, 20–21 November 1986. 1] **Agressologie** 1987 Feb;28(2):183–274 **(Fre)**

[Value of nicergoline in postischemic cerebral resuscitation. An experimental study in the dog] Cahn R, et al. **Agressologie** 1987 Mar;28(3):341–6 (Eng. Abstr.) **(Fre)**

[30th national congress on anesthesia and resuscitation and 6th French Quebec seminar. 17–19 September 1987. Abstracts] **Ann Fr Anesth Reanim** 1987;6 Suppl:R1–222 **(Fre)**

[Measuring severity in trauma resuscitation] Maurette P, et al. **Ann Fr Anesth Reanim** 1986;5(4):367–71 (Eng. Abstr.) **(Fre)**

[Anesthesia–resuscitation in the surgery of abdominal aortic aneurysm. A 2-year retrospective study. Specific problems] Dufay C, et al. **Can Anesthesiol** 1986 Oct;34(6):473–8 **(Fre)**

[Cardiorespiratory resuscitation. Current recommendations 1986] Lindner KH, et al. **Can Anesthesiol** 1986 Dec;34(8 Suppl):1–61 **(Fre)**

[Diaphragmatic hernia: the role of perioperative resuscitation] Cortambert F, et al. **Pediatrie** 1987;42(1):51–6 (Eng. Abstr.) **(Fre)**

[Respiratory function tests in resuscitation] Muir JF, et al. **Rev Mal Respir** 1986;3(6):437–41 **(Fre)**

[Resuscitation by laymen?] Sefrin P, et al. **Anasth Intensivther Notfallmed** 1986 Oct;21(5):273–9 (Eng. Abstr.) **(Ger)**

[Limitations in lay resuscitation (letter)] Juchems R, et al. **Dtsch Med Wochenschr** 1987 Jun 12;112(24):981–2 **(Ger)**

[Cardiopulmonary resuscitation by the layman to prevent sudden cardiac death] Juchems R. **Dtsch Med Wochenschr** 1986 Oct 31;111(44):1667–9 (23 ref.) **(Ger)**

[Extra-hospital first aid in near-drowning] Rossi R, et al. **Dtsch Med Wochenschr** 1987 Apr 10;112(15):600–2 **(Ger)**

[Value of the EEG in the prognosis of post-anoxic coma following cardiocirculatory arrest] Bassetti C, et al. **EEG EMG** 1987 Jun;18(2):97–100 (Eng. Abstr.) **(Ger)**

[Resuscitation of a 36-year-old patient with a short PQ time and a history of Hodgkin's disease] Neyses L, et al. **Internist (Berlin)** 1987 Mar;28(3):196–9 **(Ger)**

[Endobronchial administration of adrenaline in cardiopulmonary resuscitation: pharmacokinetic and dynamic studies in the dog] Schüttler J, et al. **Langenbecks Arch Chir** 1987;370(2):119–27 (Eng. Abstr.) **(Ger)**

[Immediate therapy in cardiovascular arrest] Treu TM. **Z Arztl Fortbild (Jena)** 1986;80(23):967–70 **(Ger)**

[Arrhythmia profile and sudden cardiac death in early and late resuscitated patients following myocardial infarct] Trappe HJ, et al. **Z Kardiol** 1987 Mar;76(3):127–36 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of accident and resuscitation traumas] Bode G, et al. **Z Rechtsmed** 1987;98(1):19–32 (Eng. Abstr.) **(Ger)**

[Bystander cardiopulmonary resuscitation in Jerusalem: is the community prepared to cope with cardiac arrest?] Applebaum D. **Harefuah** 1987 Mar 15;112(6):272–3 (Eng. Abstr.) **(Heb)**

[Pathology of infections in the resuscitation and intensive care center of the Biella Hospital] Fanton G, et al. **Minerva Med** 1986 Sep 22;77(36):1625–38 (Eng. Abstr.) **(Ita)**

[Evoked potentials to evaluate the brain function in comatose patients following cardiac arrest and resuscitation] Kano T, et al. **Masui** 1987 Apr;36(4):481–9 (Eng. Abstr.) **(Jpn)**

[The Laerdal mask is much better than the Rendell–Baker Soucek mask for the resuscitation of children] Yamashita M, et al. **Masui** 1986 Oct;35(10):1547–9 (Eng. Abstr.) **(Jpn)**

[Experienced clinical death in myocardial infarction and attitudes to illness] Król W, et al. **Kardiol Pol** 1986; 29(11–12):798–803 (Eng. Abstr.) **(Pol)**

[Evaluation of morphologic changes in the central nervous system in experimental post-resuscitation syndrome. Preliminary report] Mossakowski MJ, et al. **Neuropatol Pol** 1986;24(4):471–89 (Eng. Abstr.) **(Pol)**

[Remote results of the resuscitation of patients treated at the Intensive Care Center] Hryniewicz L, et al. **Pol Tyg Lek** 1986 Nov 3–10;41(44–45):1430–2 (Eng. Abstr.) **(Pol)**

[The laryngotracheal angle in children and its significance in the practice of the anesthesiologist and of the resuscitation specialist] Aslanian GG. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):62–4 (Eng. Abstr.) **(Rus)**

[Prevention of postresuscitation heart damage with gutimine] Dolgikh VT. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):59–62 (Eng. Abstr.) **(Rus)**

[Use of isoptin in the prevention of post-resuscitation heart damage] Dolgikh VT. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):34–8 (Eng. Abstr.) **(Rus)**

[Possibilities of correcting the structural and functional changes in the cardiac lymphatic bed in the postresuscitation period using complex infusion therapy] Elkhgorn AV, et al. **Anesteziol Reanimatol** 1986 Sep–Oct; (5):18–21 (Eng. Abstr.) **(Rus)**

[The role of disorders of transcapillary exchange in the development of postresuscitation hypovolemia] Evtushenko AIa, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):50–3 (Eng. Abstr.) **(Rus)**

[Changes in nucleic acid biosynthesis in the cerebral cortex in long-term hemorrhagic shock and in the post-resuscitation period] Kozhura VL. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

[CO2 level in exhaled gas as a non-invasive indicator of the status of hemodynamics during resuscitation. Preliminary clinical data] Lepilin MG, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):40–1 (Eng. Abstr.) **(Rus)**

[The hormonal background of patients with encephalopathies as a result of critical conditions] Novikova RI, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):40–4 (Eng. Abstr.) **(Rus)**

[Use of sodium nitroprusside in anesthesiology and resuscitation] Reingardene DI. **Anesteziol Reanimatol** 1986 Nov–Dec;(6):70–4 (60 ref.) **(Rus)**

[Effect of hyperbaric oxygenation on the restoration of central nervous system function after long-term circulatory arrest] Shikunova LG, et al. **Anesteziol Reanimatol** 1987 May–Jun;(3):31–4 (Eng. Abstr.) **(Rus)**

[Structural basis of impairment of the external respiratory function in the post-resuscitation period] Zinov'ev AS, et al. **Arkh Patol** 1987;49(5):57–64 (Eng. Abstr.) **(Rus)**

[Effect of temporary hypovolemia on the early central pooling of the blood circulation following resuscitation and the survival of animals experiencing clinical death] Evtushenko AIa, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):402–4 (Eng. Abstr.) **(Rus)**

[Changes in the size of the nucleoli of the Purkinje cells in the canine cerebellum in the postresuscitation period] Marshak TL, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):477–9 (Eng. Abstr.) **(Rus)**

[Immunological aspects of postresuscitation damage to the myocardium] Dolgikh VT, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):37–41 (Eng. Abstr.) **(Rus)**

[Essence and basic mechanisms of the occurrence of post-resuscitation brain pathology] Gurvich AM. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):14–8 (30 ref.) **(Rus)**

[Characteristics and role of biomacromolecular metabolic disorders in the formation of delayed post-resuscitation pathology of the central nervous system] Kozhura VL. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):18–21 **(Rus)**

[Disorders of neuronal transmission in terminal states and after resuscitation] Moichanova LV, et al. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):21–4 (Eng. Abstr.) **(Rus)**

[Endogenous intoxication in the pathogenesis of post-resuscitation disease] Negovskiĭ VA, et al.

Patol Fiziol Eksp Ter 1987 May-Jun;(3):11-4 **(Rus)**
[Effect of antioxidants of the gutimine group on the course and outcome of the post-resuscitation process] Trubina IE, et al. **Patol Fiziol Eksp Ter** 1986 Sep-Oct;(5):12-5 (Eng. Abstr.) **(Rus)**
[Stages of post-resuscitation disease in patients with massive blood loss and trauma] Zolotokrylina ES.
Patol Fiziol Eksp Ter 1987 May-Jun;(3):30-4 (Eng. Abstr.) **(Rus)**
[Post-resuscitation syndrome after a myocardial infarct] Trofimov GA. **Voen Med Zh** 1987 Jan;(1):31-3 **(Rus)**
[Conditioned reflex to time in the rat resuscitated after 5 minutes of circulatory arrest] Nezlina NI.
Zh Vysh Nerv Deiat 1987 Mar-Apr;37(2):376-7 **(Rus)**
[Resuscitation in kidney donors] Cardona J, et al.
Rev Esp Anestesiol Reanim 1986 Sep-Oct;33(5):303-8 (Eng. Abstr.) **(Spa)**
[Hereditary familial telangiectasia: anesthetic and resuscitation considerations] Riaño Carrera D, et al.
Rev Esp Anestesiol Reanim 1987 Jan-Feb;34(1):69-71 (Eng. Abstr.) **(Spa)**
[Resuscitation and treatment in the ingestion of caustics] Unzueta Merino MC, et al. **Rev Esp Anestesiol Reanim** 1986 Sep-Oct;33(5):317-22 (Eng. Abstr.) **(Spa)**
[Ethical viewpoints in resuscitation] Lundberg D.
Lakartidningen 1987 May 6;84(19):1631-2 **(Swe)**

ADVERSE EFFECTS

Costochondritis: a morbid complication in a survivor of cardiopulmonary resuscitation. Samet JH, et al.
Am J Med 1987 Aug;83(2):362-4
Atrial rupture in a child from cardiac massage by his parent. Reardon MJ, et al. **Ann Thorac Surg** 1987 May;43(5):557-8
Gastric rupture following cardiopulmonary resuscitation. Woods SD, et al. **Aust NZ J Surg** 1986 Sep;56(9):733-5
Complications of cardiac resuscitation. Krischer JP, et al.
Chest 1987 Aug;92(2):287-91
Resuscitation in haemorrhagic shock--pulmonary and renal effects: an adverse effect of stabilised plasma protein solution on renal function? Ramsay G, et al.
Circ Shock 1987;22(3):261-8
Subarachnoid hemorrhage: a complication of CPR? [letter] Gueugniaud PY. **Crit Care Med** 1987 Mar;15(3):284-5
Pulmonary barotrauma during cardiopulmonary resuscitation [letter] Židulka A. **Crit Care Med** 1987 Jun;15(6):623
Gangrene of the buttock after neonatal resuscitation [letter] Van Aerde J. **Eur J Pediatr** 1986 Aug;145(3):243
Ruptured jejunum following Heimlich maneuver. Razaboni RM, et al. **J Emerg Med** 1986;4(2):95-8
Gastric perforation following cardiopulmonary resuscitation in a child: report of a case and review of the literature. Custer JR, et al. **Pediatr Emerg Care** 1987 Mar;3(1):24-7
The comparative pathology of open chest vs. mechanical closed chest cardiopulmonary resuscitation in dogs. Badylak SF, et al. **Resuscitation** 1986 Jul;13(4):249-64
Tympanic injury and cardiopulmonary resuscitation. Gallagher JT, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1986;38(2):464-7
[Gastric rupture and resuscitation maneuvers] Floret D, et al. **Pediatrie** 1987;42(2):95-7 (Eng. Abstr.) **(Fre)**
[Postcardiopulmonary resuscitation pulmonary edema] Dohi S, et al. **Kokyu To Junkan** 1986 Oct;34(10):1061-6 **(Jpn)**
[Isoptin in the prevention of post-resuscitation damage of the heart] Dolgikh VT. **Patol Fiziol Eksp Ter** 1986 Nov-Dec;(6):21-5 (Eng. Abstr.) **(Rus)**

ECONOMICS

Cost of a saved life following out-of-hospital cardiac arrest resuscitated by specially trained ambulance personnel. Jakobsson J, et al. **Acta Anaesthesiol Scand** 1987 Jul; 31(5):426-9

EDUCATION

Physicians and CPR training in high-risk family members [editorial] Goldberg RJ. **Am J Public Health** 1987 Jun; 77(6):671-2
CPR training for patients' families: do physicians recommend it? Mandel LP, et al. **Am J Public Health** 1987 Jun; 77(6):727-8
Bystander resuscitation: is the public enthusiastic? [letter] Skinner DV, et al. **Arch Emerg Med** 1986 Dec;3(4):259-60
Evaluating mass training in cardiopulmonary resuscitation [editorial] Glendon AI, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1182-3
Resuscitating resuscitation [editorial] Johnson RW.
Br Med J [Clin Res] 1987 Jul 11;295(6590):71
Evaluating mass training in cardiopulmonary resuscitation [letter] Raffle A. **Br Med J [Clin Res]** 1987 Jun 6; 294(6585):1488
Education and evaluation in emergency cardiac care programs (CPR and advanced cardiac life support): state of the art. Atkins JM. **Circulation** 1986 Dec;74(6 Pt 2):IV18-22
Teaching and credentialing the physically challenged: state of the art. A review of change in the clinical and scientific data since 1980. Kelly KJ. **Circulation** 1986 Dec;74(6 Pt 2):IV66-9 (15 ref.)
Advanced cardiac life support refresher course using standardized objective-based Mega Code testing. Kaye W, et al. **Crit Care Med** 1987 Jan;15(1):55-60
Physician one-rescuer CPR performance during advanced cardiac life support provider instruction [letter] Thrasher CL. **Crit Care Med** 1987 Feb;15(2):181-2
Why did persons invited to train in cardiopulmonary resuscitation not do so? Lejeune PO, et al.
Eur Heart J 1987 Mar;8(3):224-8
Pediatric resuscitation: a new focus for education and certification. Barkin RM, et al. **J Emerg Med** 1986; 4(2):167-8
Pediatric resuscitation: mock code. Curley MA, et al.
MCN 1987 Jul-Aug;12(4):277-80
Trauma and sudden death. Baker JM. **MD Comput** 1986 Sep-Oct;3(5):52-5
CPR training by computer. Putnam RW. **MD Comput** 1986 May-Jun;3(3):39-42
Teaching of cardiopulmonary resuscitation by medical students. Mowbray A, et al. **Med Educ** 1987 Jul;21(4):285-7
The effectiveness of film and videotape in teaching cardiopulmonary resuscitation to the lay public. Schluger J, et al. **NY State J Med** 1987 Jul;87(7):382-5
Training workers in first aid/CPR improves plant accident rates. West R. **Occup Health Saf** 1987 Jul;56(7):29, 31-2
Current methods of training residents to manage pediatric cardiopulmonary arrests. Baker MD.
Pediatr Emerg Care 1986 Jun;2(2):82-4
Effects of CPR training: participant competence and patient outcomes. Curry L, et al.
Proc Annu Conf Res Med Educ 1984;23:243-8
A new evaluation method for instructors of advanced cardiac life support. Goldman SL, et al. **Resuscitation** 1986 Nov; 14(3):163-9
[Experience with the training of anesthesiologists and reanimatologists in clinical pharmacology at the Chair for Advanced Medical Education at the Saratov Medical Institute] Bender KI, et al. **Anesteziol Reanimatol** 1987 May-Jun;(3):61-2 **(Rus)**

HISTORY

JF Pantridge: starting hearts out of hospital. Haynes BE.
J Emerg Med 1986;4(2):163-6
Cardiopulmonary resuscitation. Historical and future perspectives. Rosenthal RE. **Postgrad Med** 1987 Feb 15; 81(3):90-2, 101-3
[The history of the treatment of asphyxia] Berg R, et al.
Zentralbl Gynakol 1987;109(4):248-53 **(Ger)**
[50th anniversary of the Institute of General Resuscitation Studies of the Academy of Medical Sciences of the USSR] Negovskii VA. **Patol Fiziol Eksp Ter** 1987 May-Jun; (3):3-10 **(Rus)**

INSTRUMENTATION

Ventilation performance using a self-inflating anesthesia bag: effect of operator characteristics. Augustine JA, et al.
Am J Emerg Med 1987 Jul;5(4):267-70
Non-rebreathing valve assembly [letter] Cramond T, et al.
Anaesth Intensive Care 1986 Nov;14(4):465
Resuscitation equipment misconnection [letter] Fuller WR, et al. **Anaesth Intensive Care** 1987 May;15(2):250
Oxygen reservoir for mouth-valve-mask resuscitation [letter] MacNeil A. **Anaesth Intensive Care** 1986 Nov;14(4):468
A user-designed resuscitation unit [published erratum appears in Arch Emerg Med 1986 Dec;3(4):266] MacVicar SM, et al. **Arch Emerg Med** 1986 Sep;3(3):203-7
Vest inflation without simultaneous ventilation during cardiac arrest in dogs: improved survival from prolonged cardiopulmonary resuscitation. Halperin HR, et al.
Circulation 1986 Dec;74(6):1407-15
The role of the esophageal obturator airway in cardiopulmonary resuscitation. Michael TA. **Circulation** 1986 Dec;74(6 Pt 2):IV134-7 (16 ref.)
Evaluation of esophageal tracheal combitube in cardiopulmonary resuscitation. Frass M, et al.
Crit Care Med 1987 Jun;15(6):609-11
The development of a mobile resuscitation unit. Macleod J, et al. **J Med Eng Technol** 1986 Jul-Aug;10(4):193-5
Effectiveness of resuscitation masks as an aid to expired air resuscitation [letter] Oxer HF. **Med J Aust** 1987 Mar 16; 146(6):332, 335
Emergency medical services and the pediatric patient: are the needs being met? II. Training and equipping emergency medical services providers for pediatric emergencies. Seidel JS. **Pediatrics** 1986 Nov;78(5):808-12
[The esophageal tracheal Combitube (ETC): animal experiment results with a new emergency tube] Frass M, et al. **Anasth Intensivther Notfallmed** 1987 Jun;22(3):142-4 (Eng. Abstr.) **(Ger)**

METHODS

Comparison of mechanical techniques of cardiopulmonary resuscitation: survival and neurologic outcome in dogs [published erratum appears in Am J Emerg Med 1987 Jul;5(4):304] Kern KB, et al. **Am J Emerg Med** 1987 May; 5(3):190-5
Mouth-to-mouth resuscitation--is there a safe, effective alternative? Birdsall C, et al. **Am J Nurs** 1987 Aug; 87(8):1019
A study on intrauterine fetal resuscitation with terbutaline. Patriarco MS, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):384-7
Intraosseous fluid administration: a parenteral alternative in pediatric resuscitation. Harte FA, et al. **Anesth Analg** 1987 Jul;66(7):687-9
Hypertonic saline as a resuscitation solution in hemorrhagic shock: effects on extravascular lung water and cardiopulmonary function. Layon J, et al. **Anesth Analg** 1987 Feb;66(2):154-8
Interposed abdominal compression-CPR: its effects on parameters of coronary perfusion in human subjects. Howard M, et al. **Ann Emerg Med** 1987 Mar;16(3):253-9
Cardiopulmonary bypass after cardiac arrest and prolonged closed-chest CPR in dogs. Levine R, et al.
Ann Emerg Med 1987 Jun;16(6):620-7
Cardiopulmonary bypass vs CPR as treatment for prolonged canine cardiopulmonary arrest. Martin GB, et al.
Ann Emerg Med 1987 Jun;16(6):628-36
Cardiopulmonary bypass after prolonged cardiac arrest in dogs. Pretto E, et al. **Ann Emerg Med** 1987 Jun;16(6):611-9
Neurologic benefits from the use of early cardiopulmonary resuscitation. Sanders AB, et al. **Ann Emerg Med** 1987 Feb; 16(2):142-6
A simple method of face mask resuscitation at birth. Hoskyns EW, et al. **Arch Dis Child** 1987 Apr;62(4):376-8
Augmentation of cardiac output and carotid blood flow by chest and abdomen phased compression cardiopulmonary resuscitation. Kimmel E, et al. **Cardiovasc Res** 1986 Aug; 20(8):574-80
Cardiopulmonary resuscitation with interposed abdominal compression. Babbs CF, et al. **Circulation** 1986 Dec;74(6 Pt 2):IV37-41 (24 ref.)
Modifications of cardiopulmonary resuscitation based on the cough. Criley JM, et al. **Circulation** 1986 Dec;74(6 Pt 2):IV42-50
Failure of sodium bicarbonate to improve resuscitation from ventricular fibrillation in dogs. Guerci AD, et al.
Circulation 1986 Dec;74(6 Pt 2):IV75-9
Cardiovascular pharmacology. I. Jaffe AS. **Circulation** 1986 Dec;74(6 Pt 2):IV70-4 (42 ref.)
Continuous external counterpressure during closed-chest resuscitation: a critical appraisal of the military antishock trouser garment and abdominal binder. Niemann JT, et al.
Circulation 1986 Dec;74(6 Pt 2):IV102-7 (30 ref.)
Cardiovascular pharmacology. II: The use of catecholamines, pressor agents, digitalis, and corticosteroids in CPR and emergency cardiac care. Otto CW. **Circulation** 1986 Dec; 74(6 Pt 2):IV80-5 (28 ref.)
Cardiovascular pharmacology. III: Atropine, calcium, calcium blockers, and beta-blockers. Paraskos JA.
Circulation 1986 Dec;74(6 Pt 2):IV86-9 (23 ref.)
Cerebral resuscitation after cardiac arrest: a review. Safar P. **Circulation** 1986 Dec;74(6 Pt 2):IV138-53 (171 ref.)
Cardiopulmonary resuscitation and hypothermia. Steinman AM. **Circulation** 1986 Dec;74(6 Pt 2):IV29-32 (30 ref.)
Calcium: limited indications, some danger. Thompson BM, et al. **Circulation** 1986 Dec;74(6 Pt 2):IV90-3 (27 ref.)
Fluid resuscitation: colloid versus crystalloid. D'Angio R, et al. **Conn Med** 1986 Oct;50(10):689-91 (25 ref.)
Calcium chloride in experimental electromechanical dissociation: a placebo-controlled trial in dogs. Blecic S, et al. **Crit Care Med** 1987 Apr;15(4):324-7
Kinetics of carbon dioxide during cardiopulmonary resuscitation. Wiklund L, et al. **Crit Care Med** 1986 Dec; 14(12):1015-22
Resuscitation of the critically ill patient. Use of branched-chain decision trees to improve outcome. Shoemaker WC. **Emerg Med Clin North Am** 1986 Nov; 4(4):655-94 (47 ref.)
Recent achievements and present controversies in cardiopulmonary resuscitation. Chamberlain DA, et al.
Eur Heart J 1987 May;8(5):438-43
The effect of hyperinflation, inspiratory hold, and oxygenation on cardiopulmonary status during suctioning in a lung-injured model [letter] Byram D, et al.
Heart Lung 1986 Nov;15(6):649-51
Optimization of coronary blood flow during cardiopulmonary resuscitation (CPR). Lin CK, et al.
IEEE Trans Biomed Eng 1987 Jun;34(6):473-81
Advanced cardiac life support, 1986: the rationale for new recommendations. Buran MJ. **Indiana Med** 1987 Feb; 80(2):137-40
Efficacy of emergency room thoracotomy in pediatric trauma. Beaver BL, et al. **J Pediatr Surg** 1987 Jan; 22(1):19-23
Hypertonic saline resuscitates dogs in endotoxin shock. Mullins RJ, et al. **J Surg Res** 1987 Jul;43(1):37-44
Emergency room thoracotomy for stab wounds to the chest and neck. Demetriades D, et al. **J Trauma** 1987 May; 27(5):483-5
The Heimlich maneuver and the resuscitation of near-drowning victims [letter] **JAMA** 1986 Dec 5; 256(21):2960-1
A formula for calculating the dosages of drugs in emergencies [letter] Byerly WG, et al. **JAMA** 1987 Jun 12; 257(22):3069-70
End-tidal carbon dioxide monitoring during cardiopulmonary resuscitation. Garnett AR, et al.
JAMA 1987 Jan 23-30;257(4):512-5
Intracardiac calcium [letter] Broughton AW. **Lancet** 1987 Jun 6;1(8545):1316
Peripheral versus central intravenous lines in emergency cardiac care [letter] Gueugniaud PY, et al. **Lancet** 1987 Sep 5;2(8558):573
More on the choking controversy [letter] Schwartz B.
Public Health Rep 1987 Jan-Feb;102(1):115-6
Proceedings of a conference on resuscitative thoracotomy.

New York City, February 21, 1986. **Resuscitation** 1987 Mar; 15(1):1–66

Fluid loading with whole blood or Ringer's lactate solution during CPR in dogs. Voorhees WD 3d, et al. **Resuscitation** 1987 Jun;15(2):113–23

A new method of rapid fluid resuscitation during thoracotomy performed in the emergency room. Samelson SL, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):175–6

[Resuscitation problems in newborn infants with congenital anomalies of the digestive tract, the anterior abdominal wall and the diaphragm] Gavrilova N, et al. **Khirurgiia (Sofiia)** 1987;40(3):34–8 (Eng. Abstr.) **(Bul)**

[Characteristics of general anesthesia and resuscitation in phalloendoprosthesis] Glogov S. **Khirurgiia (Sofiia)** 1986; 39(4):26–9 (Eng. Abstr.) **(Bul)**

[Resuscitation of the neonate] Stejskal J, et al. **Cesk Pediatr** 1987 Jan;42(1):54–6 **(Cze)**

[Current theories on resuscitation: no practical consequences yet (letter)] Meursing BT. **Ned Tijdschr Geneeskd** 1987 Jan 10;131(2):70–1 **(Dut)**

[New aspects of drug therapy in cardiopulmonary resuscitation] Hörnchen U, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):51–5 (Eng. Abstr.) **(Ger)**

[No indications for barbiturate therapy following complete cerebral ischemia. A comment on "cerebroprotection" by barbiturates following cardiovascular arrest] Krier C, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):56–62 (Eng. Abstr.) **(Ger)**

[Mechanical measures for cardiopulmonary resuscitation] Lindner KH, et al. **Anasth Intensivther Notfallmed** 1987 Jun;22(3):137–41 (13 ref.) (Eng. Abstr.) **(Ger)**

[Organization of the emergency physician and rescue service with special reference to mass injuries] Schüttler J, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):69–72 (Eng. Abstr.) **(Ger)**

[Primary resuscitation of the newborn infant in the delivery room] Cascioli CF, et al. **Minerva Pediatr** 1986 Sep 30; 38(17–18):703–6 (Eng. Abstr.) **(Ita)**

[Changes in the principles of cardiopulmonary resuscitation] Bożejko K, et al. **Pol Tyg Lek** 1986 Nov 3–10; 41(44–45):1437–40 (14 ref.) **(Pol)**

[Priorities in the resuscitation of polytraumatized patients] Mircea N, et al. **Rev Chir [Chir]** 1987 Mar–Apr; 36(2):149–56 (Eng. Abstr.) **(Rum)**

[Treatment of the croup syndrome in children at the resuscitation stage] Kvartovkin KK, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):60–2 (Eng. Abstr.) **(Rus)**

[Structural changes in the liver and kidneys in traumatic illness with various methods of resuscitation] Magomedov AG. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):42–4 (Eng. Abstr.) **(Rus)**

[Enhanced effectiveness of blood transfusions during resuscitation] Voitinskiĭ ElA, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):44–6 (Eng. Abstr.) **(Rus)**

[Improving the method of blood reinfusion in the modeling of terminal states caused by blood loss] Lobov VV, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):77–8 **(Rus)**

[Effect of hormones on the recovery processes after clinical death in an experiment] Volkov AV. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):27–30 (Eng. Abstr.) **(Rus)**

[Successful resuscitation of a female patient with a iatrogenic gas embolism] Vorob'ev IuI, et al. **Vestn Khir** 1987 Apr; 138(4):132–3 **(Rus)**

MORTALITY

Cardiopulmonary resuscitation in hospitalized patients: continuing problems of decision-making. Kyff J, et al. **Crit Care Med** 1987 Jan;15(1):41–3

Survival after cardiopulmonary resuscitation for an in-hospital cardiac arrest. Urberg M, et al. **J Fam Pract** 1987 Jul;25(1):41–4

Factors influencing outcome of cardiopulmonary resuscitation in children. Nichols DG, et al. **Pediatr Emerg Care** 1986 Mar;2(1):1–5

PSYCHOLOGY

Elderly patients' views on cardiopulmonary resuscitation. Gunasekera NP, et al. **Age Ageing** 1986 Nov;15(6):364–8

My first jump start. Richards G. **Am J Nurs** 1987 Apr; 87(4):580

Resuscitation of the terminally ill [letter] Burge FI. **Can Med Assoc J** 1987 Jul 1;137(1):9–10

Quality of life and resuscitation decisions in elderly patients. Starr TJ, et al. **J Gen Intern Med** 1986 Nov–Dec;1(6):373–9

STANDARDS

ACLS guidelines. What nurses are saying about the drug changes. Scherer P. **Am J Nurs** 1986 Dec;86(12):1352–8

A computerized prospective audit of cardiopulmonary resuscitation in the accident and emergency department. Wardrope J, et al. **Arch Emerg Med** 1986 Sep;3(3):183–91

Inability of trained nurses to perform basic life support. Wynne G, et al. **Br Med J [Clin Res]** 1987 May 9; 294(6581):1198–9

Proceedings of the 1985 National Conference on Standards and Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiac Care. July 11–13, Dallas, Texas. **Circulation** 1986 Dec;74(6 Pt 2):IV1–153

Standards and guidelines for cardiopulmonary resuscitation and emergency cardiac care. Montgomery WH, et al. **Circulation** 1986 Dec;74(6 Pt 2):IV1–3

Special resuscitation situations: near drowning, traumatic injury, electric shock, and hypothermia. Ornato JP. **Circulation** 1986 Dec;74(6 Pt 2):IV23–6 (27 ref.)

A cardiac arrest and a second-hand report. Lammers SE, et al. **Hastings Cent Rep** 1986 Dec;16(6):15–7

Current standards and guidelines for cardiopulmonary resuscitation and emergency cardiac care. Rosequist CC. **Heart Lung** 1987 Jul;16(4):408–18

Cardiopulmonary resuscitation: standards, guidelines, and education. Chameides L. **Pediatrics** 1987 Mar;79(3):446–9

[Limits of lay resuscitation] Sefrin P. **Dtsch Med Wochenschr** 1987 Mar 20;112(12):453–5 **(Ger)**

[Cardiopulmonary resuscitation in 1986 (published erratum appears in Rev Esp Anestesiol Reanim 1987 Jan–Feb;34(1):15)] Castillo Monsegur J. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct;33(5):289–90 **(Spa)**

VETERINARY

[Resuscitation of puppies after cesarean section] Schmid G, et al. **Tierarztl Prax** 1987;15(2):219–20 (Eng. Abstr.) **(Ger)**

RETE TESTIS see under **TESTIS**

RETENTION (PSYCHOLOGY) see under **MEMORY**

RETICULAR FORMATION

ANALYSIS

The frontal eye field and prefrontal cortex project to the paramedian pontine reticular formation in the cat. Leichnetz GR, et al. **Brain Res** 1987 Jul 21;416(1):195–9

ANATOMY & HISTOLOGY

Afferents to the lateral reticular nucleus from the oculomotor region. I. The Edinger–Westphal nucleus. Qvist H, et al. **Anat Embryol (Berl)** 1986;175(2):261–9

Direct projections from the reticular formation of the medulla oblongata to the anterior cingulate cortex in the mouse and the rat. Meyer G, et al. **Brain Res** 1986 Nov 19;398(1):207–11

Funicular location of the ascending axons of neurons adjacent to the spinal cord central canal in the rat. Nahin RL, et al. **Brain Res** 1986 Oct 8;384(2):367–72

The projection of the nucleus reticularis tegmenti pontis and adjacent regions of the pontine nuclei to the central cerebellar nuclei in the cat. Gerrits NM, et al. **J Comp Neurol** 1987 Apr 1;258(1):52–69

Double-labeling study of axonal branching within the lateral reticulocerebellar projection in the rat. Ghazi H, et al. **J Comp Neurol** 1987 Apr 15;258(3):378–86

Autoradiographic study of descending pathways from the pontine reticular formation and the mesencephalic trigeminal nucleus in the rat. Sirkin DW, et al. **J Comp Neurol** 1987 Feb 22;256(4):483–93

Autoradiography of mossy fiber terminals in the fastigial nucleus of the cat. van der Want JJ, et al. **J Comp Neurol** 1987 Apr 1;258(1):70–80

Topography of the corticofugal projection to the lateral reticular nucleus in the monkey. Wiesendanger R, et al. **J Comp Neurol** 1987 Feb 22;256(4):570–80

Monosynaptic raphespinal and reticulospinal projection to forelimb motoneurones in cats. Alstermark B, et al. **Neurosci Lett** 1987 Mar 9;74(3):286–90

Anatomic connections between nucleus reticularis rostroventrolateralis and some medullary cardiovascular sites in the rat. Chan SH, et al. **Neurosci Lett** 1986 Nov 21;71(3):277–82

Afferent connections of the nuclei reticularis pontis oralis and caudalis: a horseradish peroxidase study in the rat. Shammah-Lagnado SJ, et al. **Neuroscience** 1987 Mar; 20(3):961–89

An autoradiographic analysis of ascending projections from the medullary reticular formation in the rat. Vertes RP, et al. **Neuroscience** 1986 Nov;19(3):873–98

The interstitial nucleus of Cajal and its role in the control of movements of head and eyes. Fukushima K. **Prog Neurobiol** 1987;29(2):107–92 (216 ref.)

[Study of vestibular efferent neurons of the guinea pig by the technic of retrograde axonal transport of horseradish peroxidase and with fluorochromes] Shumilina VF, et al. **Neirofiziologiia** 1986;18(6):738–47 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The cerebellar projection from the reticular formation of the brain stem in the rabbit. An experimental study using HRP as a retrograde tracer. Tang ZW, et al. **Anat Embryol (Berl)** 1987;175(4):521–6

Anatomy and physiology of intracellularly labelled omnipause neurons in the cat and squirrel monkey. Strassman A, et al. **Exp Brain Res** 1987;67(2):436–40

Morphology of pontomedullary raphe and reticular formation neurons in the brainstem of the cat: an intracellular HRP study. Edwards DL, et al. **J Comp Neurol** 1987 Feb 8;256(2):257–73

DRUG EFFECTS

Effects of corticosterone on neurons of reticular formation in rats. Avanzino GL, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R25–30

[Role of cholinergic and adrenergic mechanisms in the action of ketamine and thiopental sodium on the structures of the hippocampal-reticular complex and the neocortex] Mamchur VI. **Farmakol Toksikol** 1987 Jan–Feb;50(1):21–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Seasonal variations in the circadian activity of acetylcholinesterase (AChE, EC 3.1.1.7) in the brain stem reticular formation of the mouse in constant darkness. Lewandowski MH. **Folia Biol (Krakow)** 1986;34(2):187–98

[Lactate dehydrogenase isoenzyme spectrum in various areas of the reticular formation of the brain in rats: the effect of emotional stress] Ivanova TM, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):397–400 (Eng. Abstr.) **(Rus)**

METABOLISM

Midbrain reticular stimulation produces patterns of metabolic activation and suppression in the cerebellum and vestibular nuclei: a 2-deoxyglucose study. Gonzalez-Lima F. **Brain Res** 1987 Jun 2;412(2):275–84

PATHOLOGY

A case of progressive supranuclear palsy with fibrillary gliosis of the midbrain and pontine reticular formation. Ishino H, et al. **Clin Neuropathol** 1987 Mar–Apr;6(2):61–6

[Role of the involvement of the reticular formation in the dementia of Parkinson's disease] Fujimura H, et al. **Rev Neurol (Paris)** 1987;143(2):108–14 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Adrenal catecholamines participate in the cerebrovascular vasodilation elicited by electrical stimulation of the dorsal medullary reticular formation in rat. Iadecola C, et al. **Acta Physiol Scand [Suppl]** 1986;552:74–7

Nuclear origins of brainstem reticulocortical systems in the rat. Newman DB, et al. **Am J Anat** 1987 Mar;178(3):279–99

Cardiac input to medullary reticular formation: neuronal responses to mechanical stimuli. Blair RW. **Am J Physiol** 1986 Oct;251(4 Pt 2):R680–9

Contribution of zona incerta to osmotically induced drinking in rats. Mok D, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R823–32

Statistical inference on spontaneous neuronal discharge patterns. I. Single neuron. Lánský P, et al. **Biol Cybern** 1987;55(5):299–311

Severe deficits of adaptive behaviour after lesions of rat's nucleus reticularis pontis oralis. Klingberg M, et al. **Biomed Biochim Acta** 1986;45(8):1021–8

Reticulospinal neurones activate excitatory amino acid receptors. Buchanan JT, et al. **Brain Res** 1987 Apr 7; 408(1–2):321–5

Inhibition of the responses of neurons in the rat spinal cord to noxious skin heating by stimulation in midbrain periaqueductal gray or lateral reticular formation. Carstens E, et al. **Brain Res** 1986 Sep 24;382(2):266–77

Effect of stimulation of the nucleus reticularis gigantocellularis on the membrane potential of cat lumbar motoneurons during sleep and wakefulness. Chase MH, et al. **Brain Res** 1986 Oct 29;386(1–2):237–44

Brainstem reticular stimulation facilitates back muscle motoneuronal responses to pudendal nerve input. Cohen MS, et al. **Brain Res** 1987 Mar 3;405(1):155–8

Plasticity of fin command system function following spinal transection in larval sea lamprey. Currie SN, et al. **Brain Res** 1987 Jul 14;415(2):337–41

The mesencephalic locomotor region. II. Projections to reticulospinal neurons. Garcia-Rill E, et al. **Brain Res** 1987 May 12;411(1):13–20

Electrophysiological evidence for the modular organization of the reticular formation: sympathetic controlling circuits. Gebber GL, et al. **Brain Res** 1987 Apr 28;410(1):106–10

Physiological studies of brainstem reticular connectivity. I. Responses of mPRF neurons to stimulation of bulbar reticular formation. Ito K, et al. **Brain Res** 1987 Apr 14; 409(1):97–110

Dissociation of antinociceptive from cardiovascular effects of stimulation in the lateral reticular nucleus in the rat. Janss AJ, et al. **Brain Res** 1987 Mar 3;405(1):140–9

Reduction of common carotid resistance upon stimulation of an area dorsal to the facial nucleus of cats. Kuo JS, et al. **Brain Res** 1987 Aug 4;417(1):181–4

Electrophysiological evidence for an excitatory projection from ventromedial forebrain structures on to raphe- and reticulo-spinal neurones in the rat. Lumb BM, et al. **Brain Res** 1986 Aug 13;380(1):162–6

Physiological studies of brainstem reticular connectivity. II. Responses of mPRF neurons to stimulation of mesencephalic and contralateral pontine reticular formation. McCarley RW, et al. **Brain Res** 1987 Apr 14; 409(1):111–27

Presaccadic burst discharges of tecto-reticulo-spinal neurons in the alert head-free and -fixed cat. Munoz DP, et al. **Brain Res** 1986 Nov 19;398(1):185–90

Pontine neuronal response to local cholinergic infusion: relation to REM sleep. Shiromani PJ, et al. **Brain Res** 1986 Oct 29;386(1-2):20-31

Stimulation of the pontomedullary reticular formation initiates locomotion in decerebrate birds. Steeves JD, et al. **Brain Res** 1987 Jan 20;401(2):205-12

Influence of rostral and caudal brain stem reticular formation on thalamic neurons. Mohan Kumar V, et al. **Brain Res Bull** 1987 Jun;18(6):761-5

Relation of pontine choline acetyltransferase immunoreactive neurons with cells which increase discharge during REM sleep. Shiromani PJ, et al. **Brain Res Bull** 1987 Mar; 18(3):447-55

Rhythmical jaw movements and lateral ponto-medullary reticular neurons in rats. Moriyama Y. **Comp Biochem Physiol [A]** 1987;86(1):7-14

Integration in descending motor pathways controlling the forelimb in the cat. 14. Differential projection to fast and slow motoneurones from excitatory C3-C4 propriospinal neurones. Alstermark B, et al. **Exp Brain Res** 1986; 63(3):530-42

Integration in descending motor pathways controlling the forelimb in the cat. 15. Comparison of the projection from excitatory C3-C4 propriospinal neurones to different species of forelimb motoneurones. Alstermark B, et al. **Exp Brain Res** 1986;63(3):543-56

Effects of lesion of the interstitial nucleus of Cajal on vestibular nuclear neurons activated by vertical vestibular stimulation. Fukushima K, et al. **Exp Brain Res** 1986; 64(3):496-504

Reticulo-spinal neurons participating in the control of synergic eye and head movements during orienting in the cat. I. Behavioral properties. Grantyn A, et al. **Exp Brain Res** 1987;66(2):339-54

Electrical stimulation of the midbrain central gray facilitates reticulospinal activation of axial muscle EMG. Cottingham SL, et al. **Exp Neurol** 1987 Sep;97(3):704-24

Modification of vestibular-induced pause neuron firing during anesthesia and light sleep. Ito J, et al. **Exp Neurol** 1987 Mar;95(3):571-86

Effects of 18-hydroxydeoxycorticosterone on central nervous system excitability. Dubrovsky B, et al. **Experientia** 1986 Sep 15;42(9):1027-8

Effects of mesencephalic lesion on the histomorphology of testis and spermatogenesis. Ali MA. **Indian J Physiol Pharmacol** 1986 Jan-Mar;30(1):11-21

Normal and abnormal motor functions of reticular formation. Elazar Z. **Isr J Med Sci** 1987 Jan-Feb;23(1-2):84-8

Cortical and peripheral effects on single neurons of the lateral reticular nucleus in the monkey. Marini G, et al. **J Comp Neurol** 1987 Feb 22;256(4):581-9

Motoneuron properties during motor inhibition produced by microinjection of carbachol into the pontine reticular formation of the decerebrate cat. Morales FR, et al. **J Neurophysiol** 1987 Apr;57(4):1118-29

Spinal monoaminergic receptors mediate the antinociception produced by glutamate in the medullary lateral reticular nucleus. Janss AJ, et al. **J Neurosci** 1987 Sep;7(9):2862-73

Effect of stimulation of the medullary reticular formation on cerebral vasomotor tonus and intracranial pressure. Nagao S, et al. **J Neurosurg** 1987 Apr;66(4):548-54

Dopaminergic neurones in the zona incerta exert a stimulatory control on gonadotrophin release via D1 dopamine receptors. James MD, et al. **Neuroendocrinology** 1987 May;45(5):348-55

Neuromediator sensitivity of neurons of reticular formation and orbital cortex in fasted and fed rabbits. Borisova EV. **Neurosci Behav Physiol** 1986 Sep-Oct;16(5):394-400

Influences of the basal ganglia on the medullary reticular formation. Manetto C, et al. **Neurosci Lett** 1987 Apr 10; 75(3):278-82

Different effects of electrical stimulation of the mesencephalic and pontine reticular formation on the release of dopamine and acetylcholine in the cat caudate nucleus. Romo R, et al. **Neurosci Lett** 1987 Jul 9; 78(1):57-62

Immunohistochemical evidence of plasticity of gamma-aminobutyric acid neurons in the red nucleus and adjacent reticular formation after contralateral cerebellectomy in the adult cat. Vuillon-Cacciuttolo G, et al. **Neurosci Lett** 1986 Oct 20;70(3):308-13

Effects of midbrain stimulation and iontophoretic application of serotonin, noradrenaline, morphine and GABA on electrical thresholds of afferent C- and A-fibre terminals in cat spinal cord. Carstens E, et al. **Neuroscience** 1987 May;21(2):395-406

Head and body movements produced by electrical stimulation of superior colliculus in rats: effects of interruption of crossed tectoreticulospinal pathway. Dean P, et al. **Neuroscience** 1986 Oct;19(2):367-80

Reticular elicitation of hippocampal slow waves: common effects of some anxiolytic drugs. McNaughton N, et al. **Neuroscience** 1986 Nov;19(3):899-903

Influence of reticular mechanisms upon hypoglossal, trigeminal and phrenic activities. St. John WM. **Respir Physiol** 1986 Oct;66(1):27-40

[The effect of intracortical stimulation of the somatic sensory area mesencephalon reticular formation and its relation to the acupuncture effect] Gao ML, et al. **Chen Tzu Yen Chiu** 1987;12(1):41-8 (Eng. Abstr.) **(Chi)**

[Masticatory rhythm generated by electrical and chemical stimulation of the mesencephalic reticular formation in the guinea pig] Hashimoto N. **Kokubyo Gakkai Zasshi** 1986 Dec;53(4):679-88 (Eng. Abstr.) **(Jpn)**

[Changes in collagen metabolism during the chronic electrical stimulation of the midbrain reticular formation] Ibatov AD, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):428-30 (Eng. Abstr.) **(Rus)**

[Electroencephalographic analysis of inter-central relations in hypothalamo-reticulo-limbic brain structures during treatment with corticosteroids and neuropeptides] Malyshenko NM, et al. **Biull Eksp Biol Med** 1986 Sep; 102(9):259-62 (Eng. Abstr.) **(Rus)**

[Features of the antidromal and synaptic activation of neurons of the Bekhterev nucleus reticularis tegmenti pontis induced by cortico- and cerebello-fugal spiking] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1986 Dec; 72(12):1593-601 (Eng. Abstr.) **(Rus)**

[Reversal potential of the EPSP of frog motoneurons] Kalinina NI, et al. **Neirofiziologiia** 1986;18(4):534-42 (Eng. Abstr.) **(Rus)**

[Features of activation of reticulospinal neurons of the pons and medulla oblongata of the cat by somatosensory stimuli of different modalities] Karpukhina MV, et al. **Neirofiziologiia** 1986;18(4):461-9 (Eng. Abstr.) **(Rus)**

[Convergence and interaction of reticulofugal and afferent impulses on caudate nucleus neurons in the cat] Litvinova AN, et al. **Neirofiziologiia** 1987;19(1):101-10 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of septal "burst" neurons after elimination of afferent effects of the reticular formation in the rabbit] Brazhnik ES. **Zh Vyssh Nerv Deiat** 1986 Jul-Aug;36(4):721-9 (Eng. Abstr.) **(Rus)**

[Functional organization of the cortico-reticular system of the brain in response to physical loads] Ekimov AK, et al. **Zh Vyssh Nerv Deiat** 1987 May-Jun;37(3):515-21 (Eng. Abstr.) **(Rus)**

[Evoked potentials in the reticular formation of the rabbit midbrain during formation of a dominant focus in it] Grechushnikova LS. **Zh Vyssh Nerv Deiat** 1986 Nov-Dec; 36(6):1093-9 (Eng. Abstr.) **(Rus)**

[The reticulospinal system. II. Functional connections with the neuronal system of the spinal cord] Pavlásek J. **Bratisl Lek Listy** 1986 Aug;86(2):176-92 (115 ref.) (Eng. Abstr.) **(Slo)**

[Reticulospinal neurons with axonal projections to the lumbar region of the spinal cord in rats] Saling M, et al. **Bratisl Lek Listy** 1986 Aug;86(2):160-7 (Eng. Abstr.) **(Slo)**

[The reticulo-spinal system. Its role in the regulation of motor reactions in the segmental circuit (long-loop reflexes)] Pavlásek J. **Cesk Fysiol** 1987;36(2):109-25 (114 ref.) **(Slo)**

PHYSIOPATHOLOGY

Cardiac input to medullary reticular formation: neuronal responses to CAO. Blair RW. **Am J Physiol** 1986 Oct;251(4 Pt 2):R670-9

Opiate microinjections into midbrain do not affect the aversiveness of caudal trigeminal stimulation but produce somatotopically organized peripheral hypoalgesia. Kasman GS, et al. **Brain Res** 1986 Sep 24;383(1-2):271-8

Opioid, cholinergic and alpha-adrenergic influences on the modulation of nociception from the lateral reticular nucleus of the rat. Ossipov MH, et al. **Brain Res** 1986 Oct 8; 384(2):282-93

Activation, arousal, and neuropsychological rehabilitation. Kløve H. **J Clin Exp Neuropsychol** 1987 Jun;9(3):297-309

SURGERY

Long-term follow-up study of rostral mesencephalic reticulotomy for pain relief--report of 34 cases. Amano K, et al. **Appl Neurophysiol** 1986;49(3):105-11

ULTRASTRUCTURE

The fiber projections from the dentate nucleus to the reticular formation of the brain stem in the rabbit. Tang ZW, et al. **Anat Embryol (Berl)** 1987;175(4):517-20

RETICULIN

ANALYSIS

The relevance of reticulin stain-measured fibrosis at diagnosis in chronic myelogenous leukemia. Dekmezian R, et al. **Cancer** 1987 May 15;59(10):1739-43

IMMUNOLOGY

Reticulin and endomysial antibodies in bullous diseases. Comparison of specificity and sensitivity. Kumar V, et al. **Arch Dermatol** 1987 Sep;123(9):1179-82

Putative role of antireticulin antibody in antiacetylcholine-receptor-antibody-negative myasthenia gravis. Hoogenraad TU, et al. **Arch Neurol** 1987 May; 44(5):536-8

Antigliadin and antireticulin antibodies in children with dermatitis herpetiformis. Vainio E, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):735-9

Antigliadin and antireticulin antibodies in screening for coeliac disease [letter] Dias J, et al. **Lancet** 1987 Jul 18; 2(8551):157-8

Anti-reticulin antibodies: a diagnostic and monitoring test for childhood coeliac disease. Monteiro E, et al. **Scand J Gastroenterol** 1986 Oct;21(8):955-7

METABOLISM

Basement membrane proteins and reticulin in a normal thymus and the thymus in myasthenia gravis. Karttunen T. **Virchows Arch [A]** 1987;411(3):245-52

RETICULOCYTES

A new assay for quantifying human reticulocytes. Burns ER, et al. **Am J Clin Pathol** 1987 Sep;88(3):338-42

Reticulocyte numbers in Japanese quail chicks. Gildersleeve RP, et al. **Comp Biochem Physiol [A]** 1987;86(3):575-9

Optimization of flow-cytometric discrimination between reticulocytes and erythrocytes. Schmitz FJ, et al. **Cytometry** 1986 Sep;7(5):439-44

Evaluation and comparison of four reticulocyte enrichment procedures. Rushing D, et al. **Transfusion** 1987 Jan-Feb; 27(1):86-9

[Clinical tests for the diagnosis of bone metastasis of prostatic cancer. A. General hematological tests, including the reticulocyte count] Terada H. **Rinsho Byori** 1986 Jul;34 Spec No 68:129-35 **(Jpn)**

ANALYSIS

Adverse effect of 1,25-dihydroxycholecalciferol on erythrocyte precursors in the rat. Orsatti MB, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(4):397-402

The isolation and characterization from rabbit reticulocytes of two forms of eukaryotic initiation factor 2 having different beta-polypeptides. Dholakia JN, et al. **J Biol Chem** 1987 Jul 25;262(21):10164-70

A unique gene for 5-aminolevulinate synthase in chickens. Evidence for expression of an identical messenger RNA in hepatic and erythroid tissues. Elferink CJ, et al. **J Biol Chem** 1987 Mar 25;262(9):3988-92

CYTOLOGY

Flow cytometric reticulocyte counting with thioflavin T in a clinical hematology laboratory. Metzger DK, et al. **Arch Pathol Lab Med** 1987 Jun;111(6):540-4

Direct evidence for chloride-dependent volume reduction in macrocytic sheep reticulocytes. Lauf PK, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):849-55

A simplified microassay for inhibition of protein synthesis in reticulocyte lysates by immunotoxins. Press OW, et al. **Immunol Lett** 1986 Nov 17;14(1):37-41

Vesicle formation during reticulocyte maturation. Association of plasma membrane activities with released vesicles (exosomes). Johnstone RM, et al. **J Biol Chem** 1987 Jul 5;262(19):9412-20

Adenine and pyridine nucleotides during rabbit reticulocyte maturation and cell aging. Stocchi V, et al. **Mech Ageing Dev** 1987 Jun;39(1):29-44

[Simultaneous assessment of the complement-sensitive cells of red cells and reticulocytes in paroxysmal nocturnal hemoglobinuria by complement lysis sensitivity test] Shichishima T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov;49(7):1318-24 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

The membrane effect of 1-anilino-8-naphthalene sulfonate on transferrin and iron uptake by rabbit reticulocytes. Chan RY, et al. **Biochem Int** 1986 Sep;13(3):409-15

Effect of antibody to the hemin-controlled translational repressor in rabbit reticulocyte lysate. Gross M, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):123-30

The effects of noradrenaline on reticulocytes of the albino rat. O'Flynn RP, et al. **J Auton Pharmacol** 1987 Mar; 7(1):33-9

ENZYMOLOGY

Alterations in components of the ubiquitin-protein ligase system following maturation of reticulocytes to erythrocytes. Raviv O, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):658-65

The occurrence of a lipoxygenase pathway in reticulocytes of various species. Kroschwald P, et al. **Biomed Biochim Acta** 1986;45(10):1237-47

Modelling the reaction mechanism of the reticulocyte lipoxygenase. Ludwig P, et al. **Biomed Biochim Acta** 1987; 46(2-3):S241-4

Comparative kinetic behaviour and regulation by fructose-1,6-bisphosphate and ATP of pyruvate kinase from erythrocytes, reticulocytes and bone marrow cells. Rodriguez-Horche P, et al. **Comp Biochem Physiol [B]** 1987;87(3):553-7

Formation of lipoxin B by the pure reticulocyte lipoxygenase. Kühn H, et al. **FEBS Lett** 1986 Nov 24;208(2):248-52

Activity of reticulocyte and erythrocyte acetylcholinesterase of rats in normal and experimental conditions. Spodaryk K, et al. **Folia Biol (Krakow)** 1986;34(3):313-7

Isolation and characterization of cDNA encoding rabbit reticulocyte 2,3-bisphosphoglycerate synthase. Yanagawa S, et al. **Gene** 1986;44(2-3):185-91

Ingensin, a high-molecular-mass alkaline protease from rabbit reticulocyte. Ishiura S, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):753-63

Purification of two high molecular weight proteases from rabbit reticulocyte lysate. Hough R, et al. **J Biol Chem**

1987 Jun 15;262(17):8303–13

Identification of spectrin-related peptides associated with the reticulocyte heme-controlled alpha subunit of eukaryotic translational initiation factor 2 kinase and of Mr 95,000 peptide that appears to be the catalytic subunit. Kudlicki W, et al. **J Biol Chem** 1987 Jul 15;262(20):9695–701

Regulation of phosphorylation of aminoacyl-tRNA synthetases in the high molecular weight core complex in reticulocytes. Pendergast AM, et al. **J Biol Chem** 1987 May 5;262(13):5939–42

Demonstration of two distinct high molecular weight proteases in rabbit reticulocytes, one of which degrades ubiquitin conjugates. Waxman L, et al. **J Biol Chem** 1987 Feb 25;262(6):2451–7

Action of erythropoietin in vitro on rabbit reticulocyte membrane Ca2+-ATPase activity. Lawrence WD, et al. **J Clin Invest** 1987 Aug;80(2):586–9

Purification of 2',5'-oligoadenylate synthetase from rabbit reticulocytes. Rovnak J, et al. **J Interferon Res** 1987 Apr; 7(2):231–41

Phosphatidylinositol kinases from rabbit reticulocytes. Tuazon PT, et al. **Methods Enzymol** 1987;141:210–22

[Threonyl-tRNA synthase from rabbit reticulocytes: a reversible transition from the RNA-non-binding to the RNA-binding form] Fedorov AN, et al. **Biokhimiia** 1986 Sep;51(9):1541–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Monoclonal antibodies against polyribosome informosomes from rabbit reticulocytes] Vlasik TN, et al. **Biokhimiia** 1986 Oct;51(10):1756–8 (Eng. Abstr.) **(Rus)**

INNERVATION

Innervation of mouse lymph nodes: nerve endings on muscular vessels and reticular cells. Villaro AC, et al. **Am J Anat** 1987 Jun;179(2):175–85

METABOLISM

Effect of lead and ethanol upon gamma-globin synthesis in sickle reticulocytes. Adams JG 3d, et al. **Am J Med Sci** 1986 Nov;292(5):299–305

The purification and characterization of subunits alpha, beta, and gamma from the rabbit reticulocyte eukaryotic initiation factor 2. Schafer MP, et al. **Arch Biochem Biophys** 1987 Jun;255(2):337–46

Phosphorothioated binary complex of eukaryotic initiation factor eIF-2 and GDP inhibits protein synthesis in hemin-supplemented reticulocyte lysates. Hurst R, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):772–7

Protein synthesis in rabbit reticulocytes: Mg2+-inhibition of ternary complex (Met-tRNA(f).eIF-2.GTP) formation by reticulocyte eIF-2. Roy AL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):114–20

Aminoacyl-tRNA(anticodon): codon adaptation in human and rabbit reticulocytes. Hatfield D, et al. **Biochem Int** 1986 Nov;13(5):835–42

Transferrin and ferritin endocytosis and recycling in guinea-pig reticulocytes. Blight GD, et al. **Biochim Biophys Acta** 1987 Jun 15;929(1):18–24

Phospholipid asymmetry during erythropoiesis. A study on Friend erythroleukemic cells and mouse reticulocytes. Van der Schaft PH, et al. **Biochim Biophys Acta** 1987 Jun 12; 900(1):103–15

Metabolism of intact reticulocytes and mitochondria under lowered energy load induced by cycloheximide. Augustin W, et al. **Biomed Biochim Acta** 1987;46(2-3):S229–33

Factors affecting transport changes associated with reticulocyte maturation. Blostein R, et al. **Biomed Biochim Acta** 1987;46(2-3):S172–6

A role of adenylate cyclase stimulation in energy metabolism of reticulocytes. Kostic MM, et al. **Biomed Biochim Acta** 1987;46(2-3):S234–8

Metabolic effects of (-)-isoprenaline stimulation of adenylate cyclase in reticulocytes. Kostic MM, et al. **Biomed Biochim Acta** 1986;45(8):973–83

Decay mechanisms of rabbit hexokinase during reticulocyte maturation. Magnani M, et al. **Biomed Biochim Acta** 1987; 46(2-3):S162–6

Maturation of rabbit reticulocytes: strong decline of the turnover of polyphosphoinositides. Maretzki D, et al. **Biomed Biochim Acta** 1986;45(10):1227–36

Reticulocyte-dependent labeling alterations of red cell membrane in pyruvate kinase deficiency anemia. Mařík T, et al. **Biomed Biochim Acta** 1987;46(2-3):S192–6

Cloning of reticulocyte lipoxygenase mRNA. Thiele BJ, et al. **Biomed Biochim Acta** 1987;46(2-3):S120–3

Coated pit formation: a membrane function involved in the regulation of cellular iron uptake. Egyed A, et al. **Br J Haematol** 1986 Oct;64(2):263–9

Vinblastine but not other microtubule inhibitors block transferrin endocytosis and iron uptake by reticulocytes. Morgan EH, et al. **Clin Exp Pharmacol Physiol** 1987 Feb; 14(2):119–26

Lens proteins are substrates for the reticulocyte ubiquitin conjugation system. Jahngen JJ, et al. **Curr Eye Res** 1986 Oct;5(10):725–33

Thiazole orange: a new dye for reticulocyte analysis. Lee LG, et al. **Cytometry** 1986 Nov;7(6):508–17

Receptor-mediated endocytosis of transferrin and ferritin by guinea-pig reticulocytes. Uptake by a common endocytic pathway. Blight GD, et al. **Eur J Cell Biol** 1987 Apr; 43(2):260–5

A comparative study on the cellular processing of free and gold-conjugated transferrin. Fodor I, et al. **Eur J Cell Biol** 1986 Oct;42(1):74–8

Diminished acquisition of iron by reticulocytes from mice with hemoglobin deficit. Garrick LM, et al. **Exp Hematol** 1987 Jul;15(6):671–5

Activation and desensitization of glycolysis by stimulation of adenylate cyclase in rat reticulocytes. Kostić MM, et al. **FEBS Lett** 1987 Jun 15;217(2):163–8

Identification of the proteins in direct contact with duck globin mRNA. Lockard RE. **FEBS Lett** 1987 Jul 27; 219(2):410–4

Regulation of protein synthesis in rabbit reticulocyte lysates. Thiophosphorylation of initiation factor eIF-2 by heme-regulated protein kinase. Ranu RS. **FEBS Lett** 1986 Nov 10;208(1):117–22

Regulation of protein synthesis in rabbit reticulocyte lysates. Requirement of initiation factor eIF-2 holoprotein for substrate specificity of heme-regulated protein kinase. Roberts RC, et al. **FEBS Lett** 1986 Dec 15;209(2):162–4

CpA containing oligoribonucleotides specifically inhibit protein synthesis in rabbit reticulocytes. Wagner T, et al. **FEBS Lett** 1987 Feb 23;212(2):317–22

Decreased ratio of alpha- to beta-globin mRNA in reticulocyte membrane RNA. Mezl VA, et al. **Int J Biochem** 1987;19(6):523–9

Selective externalization of an ATP-binding protein structurally related to the clathrin-uncoating ATPase/heat shock protein in vesicles containing terminal transferrin receptors during reticulocyte maturation. Davis JQ, et al. **J Biol Chem** 1986 Nov 25;261(33):15368–71

Monoclonal antibodies to either domain of ovotransferrin block binding to transferrin receptors on chick reticulocytes. Mason AB, et al. **J Biol Chem** 1987 Jul 5; 262(19):9011–5

Translational profiles of alpha 1-, alpha 2-, and beta-globin messenger ribonucleic acids in human reticulocytes. Shakin SH, et al. **J Clin Invest** 1986 Oct;78(4):1125–9

Increased alpha:non-alpha globin chain synthesis ratios in myelodysplastic syndromes and myeloid leukaemia. Peters RE, et al. **J Clin Pathol** 1986 Nov;39(11):1233–5

Transferrin-receptor interaction and iron uptake by reticulocytes of vertebrate animals--a comparative study. Lim BC, et al. **J Comp Physiol [B]** 1987;157(3):363–71

ATP-dependent degradation of 125I-bovine serum albumin by rabbit reticulocytes does not need repression of an endogenous inhibitor. Saus J, et al. **Physiol Chem Phys Med NMR** 1987;19(1):51–7

[Effect of non-histone chromatin proteins on the transcription of globin genes] Peresleni TIu, et al. **Mol Biol (Mosk)** 1986 Nov-Dec;20(6):1472–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Translation of equine arteritis virus RNA in rabbit reticulocyte lysates. Iwashita O, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):387–9

PARASITOLOGY

Plasmodium berghei: relative immunogenicity of infected reticulocytes and infected oxyphilic red blood cells. Schetters TP, et al. **Exp Parasitol** 1986 Dec;62(3):322–8

PATHOLOGY

Variability of the erythropoietic response in autoimmune hemolytic anemia: analysis of 109 cases. Liesveld JL, et al. **Blood** 1987 Mar;69(3):820–6

[Interdigitating reticulum cell hyperplasia simulating histiocytosis X of the lymph nodes] Szekeres G, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jul;27(3):187–92 (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

The maturational breakdown of mitochondria in reticulocytes. Rapoport SM, et al. **Biochim Biophys Acta** 1986 Dec 22;864(3-4):471–95 (195 ref.)

Reticulocytes. Koepke JF, et al. **Clin Lab Haematol** 1986; 8(3):169–79 (40 ref.)

[Studies on the regulatory effect of rabbit reticulocyte cytoplasmic factors on the malignancy of mouse myeloma cells] Xue SP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):339–46 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

[Dysregulation in stem cell proliferation. Detection in a patient with erythroblasto- and reticulocytopenia] Boll I, et al. **Fortschr Med** 1986 Aug 7;104(29):556–60 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

The sensitivity of an actinic reticuloid cell strain to near-ultraviolet radiation and its modification by trolox-C, a vitamin E analogue. Kralli A, et al. **Br J Dermatol** 1987 Jun;116(6):761–72

ULTRASTRUCTURE

Maturational breakdown cascade of mitochondria in reticulocytes. Rapoport SM, et al. **Biomed Biochim Acta** 1987;46(2-3):S151–5

Anemia of the Belgrade rat: evidence for defective membrane transport of iron. Bowen BJ, et al. **Blood** 1987 Jul; 70(1):38–44

RETICULOENDOTHELIAL SYSTEM

see related
HISTIOCYTES
PHAGOCYTES

Removal of denatured proteins with artificial reticulo-endothelial system (ARES). Maeda K, et al. **Int J Artif Organs** 1986 Sep;9(5):337–42

ANATOMY & HISTOLOGY

Ferrite particles: a superparamagnetic MR contrast agent for the reticuloendothelial system. Saini S, et al. **Radiology** 1987 Jan;162(1 Pt 1):211–6

CYTOLOGY

The argentophil reticular cells of the mammal spleen. I. The morphology and the disposition of the reticular cells in the white pulp. Hadler WA, et al. **Z Mikrosk Anat Forsch** 1987;101(2):251–80

DRUG EFFECTS

Effect of long-term Intralipid administration in mice. Allen TM, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):1006–10

Effects of hydroxyethylstarch (Hespan), a plasma expander, on the functional activity of the reticuloendothelial system. Comparison with human serum albumin and pyran copolymer. White KL Jr, et al. **Drug Chem Toxicol** 1986; 9(3-4):305–22

The blockade of the reticuloendothelial system after the administration of perfluorocarbon artificial blood. Uchida T, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Sep; 49(6):1222–7

Sanchinan-A, a reticuloendothelial system activating arabinogalactan from sanchi-ginseng (roots of Panax notoginseng). Ohtani K, et al. **Planta Med** 1987 Apr; 53(2):166–9

[The effect of heparin, prednisolone and triamterene on the elimination of India ink by the reticulohistiocyte system of the isolated perfused rat liver] Vömel T, et al. **Arzneimittelforschung** 1986 Sep;36(9):1353–5 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Demonstration of defective C3-receptor-mediated clearance by the reticuloendothelial system in patients with acquired immunodeficiency syndrome. Bender BS, et al. **J Clin Invest** 1987 Mar;79(3):715–20

Effect of bacterial flora and mouse genotype (euthymic or athymic) on scrapie pathogenesis. Wade WF, et al. **J Leukocyte Biol** 1986 Nov;40(5):525–32

Reticuloendothelial system Fc receptor function in the drug induced lupus erythematosus syndrome. Fields TR, et al. **J Rheumatol** 1986 Aug;13(4):726–31

Reticuloendothelial system Fc receptor function in systemic lupus erythematosus: effect of decreased sensitization on clearance of autologous erythrocytes. Kabbash L, et al. **J Rheumatol** 1987 Jun;14(3):487–9

Phagocytic function of polymorphonuclear leukocytes and the RES in endotoxemia. Regel G, et al. **J Surg Res** 1987 Jan;42(1):74–84

Reticuloendothelial system Fc-receptor function in patients with immune thrombocytopenia after treatment with high dose intravenous immunoglobulin. Budde U, et al. **Scand J Haematol** 1986 Aug;37(2):125–9

[High-dose gammaglobulin therapy for idiopathic thrombocytopenic purpura and evaluation of reticuloendothelial system function] Ohkubo I, et al. **Rinsho Ketsueki** 1987 Mar;28(3):345–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Homosexual men with thrombocytopenia have impaired reticuloendothelial system Fc receptor-specific clearance. Bender BS, et al. **Blood** 1987 Aug;70(2):392–5

Hepatic reticuloendothelial system activation in autoimmune mice: differences between (NZB X NZW)F1 and MRL-lpr/lpr strains. Magilavy DB, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):386–98

PARASITOLOGY

[Ultrastructure of chronic reticuloendothelial forms of Isospora of sparrows] Boulard Y, et al. **Ann Parasitol Hum Comp** 1987;62(2):181–4 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cellular aging of the reticuloendothelial system. Brouwer A, et al. **Arch Gerontol Geriatr** 1986 Dec;5(4):317–24

Hepatic reticuloendothelial function in rats with various portasystemic shunts and total liver arterialization. Buchholtz B, et al. **J Hepatol** 1987 Feb;4(1):80–5

Effects of enteral vs parenteral nutrition on reticuloendothelial function. Jacobs DL, et al. **J Surg Res** 1987 Jun;42(6):661–4

RES phagocytosis in children with homozygous beta-thalassemia in relation to blood transfusion. Dimitriou P, et al. **Scand J Haematol** 1986 Nov;37(5):417–20

[Activation of reticuloendothelial system in endotoxemia after hepatectomy in cirrhotic patients] Nakagawa K. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):945 **(Jpn)**

PHYSIOPATHOLOGY

Cryptogenic abscess of the liver. Evidence of underlying reticuloendothelial cell dysfunction. Minuk GY, et al. **Arch Surg** 1987 Aug;122(8):906–8

Hypoxia-induced endotoxemia in primates: role of reticuloendothelial system function and anti-lipopolysaccharide plasma. Gaffin SL, et al. **Aviat Space Environ Med** 1986 Nov;57(11):1044–9

Reticuloendothelial system phagocytic function in obstructive jaundice and its modification by a muramyl dipeptide analogue. Pain JA, et al. **Eur Surg Res** 1987; 19(1):16–22

Alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat. Goeting NL, et al. **J Nucl Med** 1986 Nov;27(11):1751–4

[Experimental and clinical studies on the effect of reticuloendothelial system (RES) potentiator in the depressed RES function in cirrhotics] Kobayashi S. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):715–26 (Eng. Abstr.) **(Jpn)**

[Experimental study on the functional activity of the reticuloendothelial system after partial hepatectomy in normal and CCL4-induced cirrhotic rats] Segawa T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2161–73 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

The "critical colloid dose" in studies of reticuloendothelial function. Bergqvist L, et al. **J Nucl Med** 1987 Sep; 28(9):1424–9

ULTRASTRUCTURE

Membrane phospholipid organization as a determinant of blood cell-reticuloendothelial cell interactions. Schlegel RA, et al. **J Cell Physiol** 1987 Aug;132(2):381–4 (54 ref.)

RETICULOENDOTHELIOSIS

BLOOD

[A patient with virus-associated hemophagocytic syndrome] van Dijken PJ, et al. **Ned Tijdschr Geneeskd** 1986 Aug 9;130(32):1450–2 (Eng. Abstr.) **(Dut)**

CLASSIFICATION

Histiocytosis syndromes in children [letter] Chu T, et al. **Lancet** 1987 Jul 4;2(8549):41–2

Histiocytosis syndromes in children [letter] Henter JI, et al. **Lancet** 1987 May 9;1(8541):1091–2

COMPLICATIONS

Osseous involvement in sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman disease). Sartoris DJ, et al. **Eur J Pediatr** 1986 Aug;145(3):238–40

A case of multicentric reticulohistiocytosis with thyroid involvement. Finelli LG, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1097–100

[Multicentric reticulohistiocytosis associated with cancer of the breast (letter)] Soriano FA, et al. **Rev Clin Esp** 1987 Feb;180(3):176–7 **(Spa)**

CONGENITAL

Congenital self-healing reticulohistiocytosis (Hashimoto-Pritzker): a case report with a solitary lesion. Ofuji S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):182–4

Congenital self-healing reticulohistiocytosis: report of a case. Jordaan HF, et al. **Pediatr Dermatol** 1986 Dec;3(6):473–5

DIAGNOSIS

Reticuloendotheliosis with eosinophilia (Omenn's syndrome). Findings in fine needle aspirate of a lymph node. Baybick JH. **Acta Cytol (Baltimore)** 1987 Jan-Feb;31(1):20–4

Cranial fasciitis and its resemblance to histiocytosis. Silberstein MJ, et al. **Orthopedics** 1987 Feb;10(2):356–61

Renal sinus histiocytosis. Bechtold RE, et al. **Radiology** 1987 Mar;162(3):689–90

[Sinus histiocytosis with extensive adenopathy in a Mali child] Pichard E, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):383–9 (Eng. Abstr.) **(Fre)**

[Multicentric reticulohistiocytosis. A case with unusual clinical, radiologic and ultrastructural aspects] Amor B, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):113–9 (Eng. Abstr.) **(Fre)**

[Stereotaxic biopsy in a patient with a complex course of a cerebral microglioma] Nagulić M, et al. **Srp Arh Celok Lek** 1986 Aug;114(8):765–9 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

Successful induction with chemotherapy including teniposide in familial erythrophagocytic lymphohistiocytosis [letter] Henter JI, et al. **Lancet** 1986 Dec 13;2(8520):1402

ETIOLOGY

[Severe jaundice and hemophagocytic histiocytosis after autologous bone marrow transplantation in a patient with malignant lymphoma] Takagi S, et al. **Rinsho Ketsueki** 1987 Mar;28(3):446–50 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

[Familial hemophagocytic lymphohistiocytosis (case report)] Fuchs WA, et al. **Padiatr Padol** 1987;22(1):67–72 (Eng. Abstr.) **(Ger)**

[Familial erythrocyto-phagocytic lymphohistiocytosis—successful treatment of 4 children] Elinder G, et al. **Lakartidningen** 1987 Feb 11;84(7):459–61 (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

T-cell receptor gene rearrangement in regressing atypical histiocytosis. Headington JT, et al. **Arch Dermatol** 1987 Sep;123(9):1183–7

Epithelial membrane antigen staining patterns of histiocytic lesions. Rabkin MS, et al. **Arch Pathol Lab Med** 1987 Apr; 111(4):337–8

METABOLISM

Pulmonary ceroidosis. Sastre J, et al. **Chest** 1987 Feb; 91(2):281–3

MICROBIOLOGY

Virus specific syngeneic killing of reticuloendotheliosis virus transformed cell line target cells by spleen cells. Weinstock D, et al. **Prog Clin Biol Res** 1987;238:253–63

PATHOLOGY

Cell populations in pagetoid reticulosis: an immunological study using cell activation associated monoclonal antibodies. Kaudewitz P, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):24–9

Sinus histiocytosis massive lymphadenopathy syndrome: histogenesis of the hepatic lesion. Brown RE, et al. **Ann Clin Lab Sci** 1987 May-Jun;17(3):162–70

Pathologic quiz case 1. Sinus histiocytosis with massive lymphadenopathy. Burgess LP. **Arch Otolaryngol Head Neck Surg** 1986 Dec;112(12):1296–8

Pathologic quiz case 2. Sinus histiocytosis with massive lymphadenopathy (SHML). Goldberg SH, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1120–2

Multicentric reticulohistiocytosis. Coupe MO, et al. **Br J Dermatol** 1987 Feb;116(2):245–7

A case of multicentric reticulohistiocytosis: uncommon clinical signs and a report of T-cell marker characteristics. Green CA, et al. **Br J Dermatol** 1986 Nov;115(5):623–8

Polymorphic reticulosis with oral lesions: a case report. Sloan P, et al. **Br J Oral Maxillofac Surg** 1986 Dec;24(6):426–32

Regressing atypical histiocytosis (of Flynn). Report of a new case. Moayed MJ, et al. **Dermatologica** 1987;174(5):253–7

Lymphohistiocytosis: a multi-factorial syndrome of macrophagic activation clinico-pathological study of 38 cases. Goldberg J, et al. **Hematol Oncol** 1986 Oct-Dec; 4(4):275–89

Multicentric reticulohistiocytosis accompanied by oral and temporomandibular joint manifestations. Yoshimura Y, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):84–6

Histiocytosis in baby with delayed cord separation [letter] **Lancet** 1987 Feb 28;1(8531):507

Reactive hemophagocytic syndrome: a study of 7 fatal cases. Chan JK, et al. **Pathology** 1987 Jan;19(1):43–50

Immunohistological analysis of Rosai-Dorfman histiocytosis. A disease of S-100 + CD1-histiocytes. Bonetti F, et al. **Virchows Arch [A]** 1987;411(2):129–35

[Multicentric reticulohistiocytosis. A case with electron microscopy and enzyme study] Zagala A, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):145–7 **(Fre)**

[Spontaneous regression of lymphadenopathy 89 months after the onset of disease in a patient with sinus histiocytosis with massive lymphadenopathy] Takagi S, et al. **Rinsho Ketsueki** 1987 Apr;28(4):559–63 (Eng. Abstr.) **(Jpn)**

[Crosti's reticulosis. Review of 15 cases] Brizido E, et al. **Med Cutan Ibero Lat Am** 1987;15(1):17–23 (Eng. Abstr.) **(Por)**

[So-called reticulohistiocytic granulomatous encephalitis] Zenkevich GS, et al. **Arkh Patol** 1986;48(9):48–53 (Eng. Abstr.) **(Rus)**

[Polymorphic reticulosis and full term pregnancy] Bistué R, et al. **Medicina (B Aires)** 1985;45(4):469–71 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Clinical and immunological findings in four infants with Omenn's syndrome: a form of severe combined immunodeficiency with phenotypically normal T cells, elevated IgE, and eosinophilia. Businco L, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):123–33

RETICULOENDOTHELIOSIS, LEUKEMIC see **LEUKEMIA, HAIRY CELL**

RETICULOLYMPHOSARCOMA see **LYMPHOMA**

RETICULOSIS, HISTIOCYTIC MEDULLARY see **HISTIOCYTOSIS, MALIGNANT**

RETICULUM

CYTOLOGY

Definition of a differentiation antigen on the surface of phagocytic cells of thymic reticulum which is down-regulated by interferon gamma. Papiernik M, et al. **Cell Immunol** 1987 Apr 1;105(2):280–9

DRUG EFFECTS

Depression of reticulo-ruminal motor functions through the stimulation of alpha 2-adrenoceptors. Ruckebusch Y, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):1–10

METABOLISM

The influence of osmotic pressure, lactic acid and pH on ion and fluid absorption from the washed and temporarily isolated reticulo-rumen of sheep. Gaebel G, et al. **Zentralbl Veterinarmed [A]** 1987 Mar;34(3):220–6

PATHOLOGY

Reticulo-omasal stenosis in the cow: differential diagnosis with respect to pyloric stenosis. Kuiper R, et al. **Vet Rec** 1986 Aug 23;119(8):169–71

Reticulo-omasal stenosis? [letter] Leek BF. **Vet Rec** 1986 Sep 6;119(10):254–5

PHYSIOLOGY

Inhibition of reticulo-ruminal motility by volatile fatty acids and lactic acid in sheep. Gregory PC. **J Physiol (Lond)** 1987 Jan;382:355–71

RETICULUM CELL-LIKE SARCOMA, YOSHIDA see **SARCOMA, YOSHIDA**

RETINA

see related
ANGIOID STREAKS
ELECTRORETINOGRAPHY

Extension of retinal detachments as a complication of pneumatic retinopexy [letter] Hilton GF, et al. **Arch Ophthalmol** 1987 Feb;105(2):168–9

Combined hamartoma of the retina and RPE: an unusual cause of the dragged disc appearance. Harper CA, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):235–8

Combined hamartoma of the retinal pigment epithelium and sensory retina. Vandeveer M. **J Am Optom Assoc** 1986 Nov;57(11):836–8

[Retinal periphery of pseudophakic patients. Study of 300 cases] Adenis JP, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul; 86(6-7):795–8 (Eng. Abstr.) **(Fre)**

[2 cases of Von Hippel's angiomatosis] Desjardins L, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1495–7 (Eng. Abstr.) **(Fre)**

[Photocoagulation of cavernous hemangioma of the retina] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1351–2 **(Fre)**

[Value of vitreoretinal video-endoscopy] Lecoq PJ, et al. **J Fr Ophtalmol** 1986;9(6-7):427–9 **(Fre)**

ABNORMALITIES

Retinal dystrophy in Jeune's syndrome. Wilson DJ, et al. **Arch Ophthalmol** 1987 May;105(5):651–7

Tunicamycin-induced dysgenesis of retinal rod outer segment membranes. II. Quantitative freeze-fracture analysis. Defoe DM, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1595–601

Tunicamycin-induced dysgenesis of retinal rod outer segment membranes. I. A scanning electron microscopy study. Ulshafer RJ, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1587–94

Optic nerve hypoplasia: a review. Ouvrier R, et al. **J Child Neurol** 1986 Jul;1(3):181–8 (90 ref.)

Microcephaly, microphthalmos, and retinal folds: report of a family. Young ID, et al. **J Med Genet** 1987 Mar; 24(3):172–4

An abnormal retinal projection to the lateral posterior nucleus in micrencephalic rats. Ashwell K. **Neurosci Lett** 1986 Dec 3;72(1):7–13

'Leopard spot' retinopathy in Warburg syndrome. Barth RA, et al. **Ophthalmic Paediatr Genet** 1986 Aug;7(2):91–6

Retinopathy of prematurity. The association of a persistent hyaloid artery. Eller AW, et al. **Ophthalmology** 1987 Apr; 94(4):444–8

Computed tomography of optic nerve colobomas, morning glory anomaly, and colobomatous cyst. Mafee MF, et al. **Radiol Clin North Am** 1987 Jul;25(4):693–9

Laser treatment of a subretinal neovascular membrane associated with retinochoroidal coloboma. Steahly LP. **Retina** 1986 Summer-Fall;6(3):154–6

Impaired vision in chickens associated with retinal defects.

Curtis PE, et al. **Vet Rec** 1987 Jan 31;120(5):113–4
[Norrie's disease] Vérin P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1103–5 **(Fre)**
[Congenital pseudocolobomatous chorioretinitis and hydrocephalus] Sanchez I. **Rev Chir [Oftalmol]** 1986 Oct–Dec;30(4):299–302 (Eng. Abstr.) **(Rum)**

ANALYSIS

Nuclear magnetic resonance imaging of subretinal fluid. Okabe H, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):640–6
Distribution of glial fibrillary acidic protein in normal and gliotic human retina. Tuccari G, et al. **Basic Appl Histochem** 1986;30(4):425–32
Characterization of acidic and basic fibroblast growth factors in brain, retina and vitreous chick embryo. Mascarelli F, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):478–86
Molecular cloning of the S-antigen cDNA from bovine retina. Yamaki K, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):904–10
Comparative study of [3H]glutamate binding sites in rat retina and cerebral cortex. Yoneda Y, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):772–4
N-acetylaspartylglutamate identified in the rat retinal ganglion cells and their projections in the brain. Anderson KJ, et al. **Brain Res** 1987 May 12;411(1):172–7
Demonstration of histaminergic neurons in horizontal cells of guinea pig retina. Ando-Yamamoto M, et al. **Brain Res** 1987 May 5;410(2):269–74
A vasoactive intestinal polypeptide system in retinal cell cultures: immunocytochemistry and physiology. Fukuda M, et al. **Brain Res** 1987 Jun 23;414(1):177–81
Multiple opsin mRNA species in bovine retina. Kuo CH, et al. **Brain Res** 1986 Dec;387(3):251–60
Characterization of quisqualate-type L-glutamate receptors in the retina. López-Colomé AM, et al. **Brain Res** 1987 Jun 23;414(1):99–108
GABAergic synapses and benzodiazepine receptors are not identically distributed in the primate retina. Mariani AP, et al. **Brain Res** 1987 Jul 7;415(1):153–7
N-methyl-D-aspartate receptors coexist with kainate and quisqualate receptors on single isolated catfish horizontal cells. O'Dell T, et al. **Brain Res** 1986 Sep 3;381(2):359–62
Comparisons of histones in retinal and brain nuclei from newborn and adult mice. Perkins PS, et al. **Brain Res** 1987 Jun;430(2):161–8
Structure of a protein catalyzing the formation of 11 cis-retinal in the visual cycle of invertebrate eyes. Pepe IM, et al. **Cell Biophys** 1987 Feb;10(1):15–22
Investigation on the occurrence of soluble lectins in mammalian nervous tissue extracts. Joubert R, et al. **Comp Biochem Physiol [B]** 1986;85(4):859–63
Feline maternal taurine deficiency: effects on retina and tapetum of the offspring. Imaki H, et al. **Dev Neurosci** 1986; 8(3):160–81
Evidence of the presence of a specific vascular endothelial growth factor in fetal bovine retina. Chen CH, et al. **Exp Cell Res** 1987 Apr;169(2):287–95
The distribution of F-actin in cells isolated from vertebrate retinas. Vaughan DK, et al. **Exp Eye Res** 1987 Mar; 44(3):393–406
Rapid affinity purification of retinal arrestin (48 kDa protein) via its light-dependent binding to phosphorylated rhodopsin. Wilden U, et al. **FEBS Lett** 1986 Oct 27; 207(2):292–5
GABA and GAD-like immunoreactivity in the primate retina. Agardh E, et al. **Histochemistry** 1987;86(5):485–90
Calcium binding protein immunoreactivity in pigeon retina. Pasteels B, et al. **Invest Ophthalmol Vis Sci** 1987 Apr; 28(4):658–64
Histochemical demonstration of spatial heterogeneity in the interphotoreceptor matrix of the rat retina. Porrello K, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1577–86
A novel group of very long chain polyenoic fatty acids in dipolyunsaturated phosphatidylcholines from vertebrate retina. Aveldaño MI. **J Biol Chem** 1987 Jan 25; 262(3):1172–9
Very long chain (C24 to C36) polyenoic fatty acids of the n-3 and n-6 series in dipolyunsaturated phosphatidylcholines from bovine retina. Aveldaño MI, et al. **J Biol Chem** 1987 Jan 25;262(3):1180–6
Alcian blue and neutral red staining of retinal synaptic layers. Sulzer D, et al. **J Histochem Cytochem** 1986 Nov; 34(11):1513–5
Visualization of endogenous glycine in cat retina: an immunocytochemical study with Fab fragments. Pourcho RG, et al. **J Neurosci** 1987 Apr;7(4):1189–97
Lipofuscin autofluorescence: evidence for vitamin A involvement in the retina. Katz ML, et al. **Mech Ageing Dev** 1987 Jun;39(1):81–90
Multiple classes of glutamate receptor on depolarizing bipolar cells in retina. Nawy S, et al. **Nature** 1987 Jan 1–7; 325(6099):56–8
Dopamine receptors are located on rods in bovine retina. Brann MR, et al. **Neurosci Lett** 1986 Sep 12;69(3):221–6
Assay of dopamine and its metabolites in human and rat retina. Di Paolo T, et al. **Neurosci Lett** 1987 Feb 24; 74(2):250–4
Demonstration of a neuropeptide Y (NPY)-like immunoreactivity in the pigeon retina. Verstappen A, et al. **Neurosci Lett** 1986 Oct 8;70(2):193–7
n-3 fatty acids in the brain and retina: evidence for their essentiality. Neuringer M, et al. **Nutr Rev** 1986 Sep; 44(9):285–94 (82 ref.)
Rhodopsin levels in the isolated normal and +rd mouse retina. Low JC. **Ophthalmic Res** 1987;19(1):49–51
Double-label analysis of GAD- and GABA-like immunoreactivity in the rabbit retina. Mosinger J, et al. **Vision Res** 1987;27(1):23–30
[Source of subretinal fluid proteins] Sebag J, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:138–9 **(Fre)**
[Existence of immunoreactivity to GABA in dopaminergic amacrine cells of the rat retina] Versaux-Botteri C, et al. **C R Acad Sci [III]** 1987;305(9):381–6 (Eng. Abstr.) **(Fre)**
[Histochemical and two-dimensional gel electrophoretic analysis of lectin receptors in the degenerative retina of C3H mouse] Uehara F, et al. **Nippon Ganka Gakkai Zasshi** 1986 Sep;90(9):1152–8 (Eng. Abstr.) **(Jpn)**
[Studies of histamine receptors in the retina in mammals] Nowak JZ. **Klin Oczna** 1986 Jun;88(6):189–91 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Vitreoretinal photography using the 90-diopter lens. Han DP, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):238–9
Simple pointspread retinoscope suitable for vision screening. Howland HC, et al. **Am J Optom Physiol Opt** 1987 Feb; 64(2):114–22
Combined effects of spatial frequency and retinal eccentricity upon fixation disparity. Schor C, et al. **Am J Optom Physiol Opt** 1986 Aug;63(8):619–26
Visual acuity of the northern native cat (Dasyurus hallucatus)—behavioural and anatomical estimates. Harman AM, et al. **Behav Brain Res** 1986 Dec;22(3):211–6
Fundal variations in the eyes of the osteoglossomorph fishes. Saidel WM, et al. **Brain Behav Evol** 1985;27(2–4):80–92
Retinogeniculate patterns in diprotodont marsupials. Sanderson KJ, et al. **Brain Behav Evol** 1987;30(1–2):22–42
Ipsilateral retinal projections and laminations of the dorsal lateral geniculate nucleus in the eastern chipmunk (Tamias sibiricus asiaticus). Fukuda Y, et al. **Brain Res** 1986 Oct 8;384(2):373–8
The anatomical organization of retinal projections in the shark Scyliorhinus canicula with special reference to the evolution of the selachian primary visual system. Repérant J, et al. **Brain Res** 1986 Sep;396(3):227–48
The use of rhodamine-B-isothiocyanate (RITC) as an anterograde and retrograde tracer in the adult rat visual system. Thanos S, et al. **Brain Res** 1987 Mar 17; 406(1–2):317–21
Comparative anatomy of the retino-hypothalamic tract in photoperiodic and non-photoperiodic rodents. Youngstrom TG, et al. **Brain Res Bull** 1986 Oct;17(4):485–92
Synaptic connections of cortical and retinal terminals in the superior colliculus of the rabbit: an electron microscopic double labelling study. Hofbauer A, et al. **Exp Brain Res** 1986;65(1):145–55
The retinal nerve fiber layer. Pollock SC, et al. **Int Ophthalmol Clin** 1986 Winter;26(4):201–21
Map of retinal position onto the cross section of the optic pathway of goldfish. Bernhardt R, et al. **J Comp Neurol** 1986 Dec 22;254(4):493–510
Accessory optic system of an anthropoid primate, the gibbon (Hylobates concolor): evidence of a direct retinal input to the medial terminal nucleus. Cooper HM, et al. **J Comp Neurol** 1987 May 22;259(4):467–82
Visual system of the channel catfish (Ictalurus punctatus): II. The morphology associated with the multiple optic papillae and retinal ganglion cell distribution. Dunn-Meynell AA, et al. **J Comp Neurol** 1987 Mar 8; 257(2):166–75
Retinopretectal and accessory optic projections of normal mice and the OKN-defective mutant mice beige, beige-J, and pearl. Pak MW, et al. **J Comp Neurol** 1987 Apr 15; 258(3):435–46
Retinal projections in the lizard Podarcis hispanica. de la Calle A, et al. **J Hirnforsch** 1986;27(6):707–13
Retinal projections in gymnotid fishes. Lázár G, et al. **J Hirnforsch** 1987;28(1):13–26
Immunocytochemical localization of photopigments in cephalopod retinae. Robles LJ, et al. **J Neurocytol** 1987 Jun;16(3):403–15
Control of structural rhythms in the lateral eye of Limulus: interactions of natural lighting and circadian efferent activity. Chamberlain SC, et al. **J Neurosci** 1987 Jul; 7(7):2135–44
Effects of early unilateral blur on the macaque's visual system. II. Anatomical observations. Hendrickson AE, et al. **J Neurosci** 1987 May;7(5):1327–39
Mapping of retinal and geniculate neurons onto striate cortex of macaque. Schein SJ, et al. **J Neurosci** 1987 Apr; 7(4):996–1009
Retinal topography in the optic tract of adult goldfish. Fraley SM, et al. **Neuroscience** 1986 Dec;19(4):1363–80
The crossed projection from the temporal retina to the dorsal lateral geniculate nucleus in the rat. Reese BE, et al. **Neuroscience** 1987 Mar;20(3):951–9
Dendritic morphology of indoleamine cells revealed by intracellular injection of lucifer yellow in fixed carp retina. Teranishi T, et al. **Neuroscience** 1987 Jul;22(1):323–9
From basic network principles to neural architecture: emergence of spatial-opponent cells. Linsker R. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7508–12
Distribution of cones in human and monkey retina: individual variability and radial asymmetry. Curcio CA, et al. **Science** 1987 May 1;236(4801):579–82
[Retinotopic organization in the development of the young trout Salmo gairdneri Rich] Pinganaud G. **J Hirnforsch** 1987;28(1):71–89 (Eng. Abstr.) **(Fre)**
[Participation of anterior thalamic nuclei in the visual afferentation of the hippocampus in the rat] Pakhomova AS, et al. **Neirofiziologiia** 1987;19(2):278–80 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

A subretinal neovascular membrane as a complication of endogenous Candida endophthalmitis. Beebe WE, et al. **Ann Ophthalmol** 1987 Jun;19(6):207–9
Further observations on cerebral or retinal ischemia in patients with right-left intracardiac shunts. Biller J, et al. **Arch Neurol** 1987 Jul;44(7):740–3
Blindness as a complication of rhinoplasty. Cheney ML, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):768–9
Mitral valve prolapse and retinal infarction. Hopkins A, et al. **Aust N Z J Ophthalmol** 1987 Feb;15(1):79–82
Retinal vascular endothelium expresses fibronectin and class II histocompatibility complex antigens in experimental autoimmune uveitis. Fujikawa LS, et al. **Cell Immunol** 1987 Apr 15;106(1):139–50
Vasoactive effects of buflomedil assessed by fluorescein angiography. Platania A, et al. **Curr Med Res Opin** 1987; 10(7):457–67
Progression of incipient diabetic retinopathy during good glycemic control. Engerman RL, et al. **Diabetes** 1987 Jul; 36(7):808–12
Peripheral neovascularization complicating rhegmatogenous retinal detachments of long duration. Bonnet M. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):59–62
Age-related macular degeneration: ultrastructural studies of the relationship of leucocytes to angiogenesis. Penfold PL, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):70–6
Glio-vascular architecture in the rabbit retina. de Juan E Jr, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1602–8
Retinal blood flow in normal and diabetic dogs. Small KW, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):672–5
The clinical significance of the asymptomatic Hollenhorst plaque. Bunt TJ. **J Vasc Surg** 1986 Dec;4(6):559–62
Analysis of vessel absorption profiles in retinal oximetry. Roberts DA. **Med Phys** 1987 Jan–Feb;14(1):124–30
Visualization of a developing vasculature. McLeod DS, et al. **Microvasc Res** 1987 Mar;33(2):257–69
Retinal neovascularization in Potter's syndrome secondary to renal agenesis. Adkins DH, et al. **Ophthalmic Paediatr Genet** 1986 Aug;7(2):85–9
Retinal toxicity secondary to intraocular gentamicin injection. McDonald HR, et al. **Ophthalmology** 1986 Jul; 93(7):871–7
Unusual cases of subretinal neovascularization. Morrison DL, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(2):505–10
The early natural history of subfoveal neovascular membranes in eyes with age-related macular degeneration. Walsh AW, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):495–7
The effect of murine fetal islet transplants on renal and retinal capillary basement membrane thickness. Cuthbertson RA, et al. **Transplant Proc** 1987 Apr;19(2):2919–21

CYTOLOGY

Localized morphological differentiation in the bipolar cells of the chick retina. Quesada A, et al. **Acta Anat (Basel)** 1987;128(3):204–9
Early patterns of neuronal degeneration in the retina of the goldfish after optic nerve sectioning. Yew DT, et al. **Acta Morphol Neerl Scand** 1986;24(2):123–32
Quantitative morphology of the primate peripheral retina (Macaca irus). Krebs W, et al. **Am J Anat** 1987 Jun; 179(2):198–208
Identification and characterisation of cell types accumulating GABA in rat retinal cultures using cell type specific monoclonal antibodies. Akagawa K, et al. **Brain Res** 1987 Apr 7;408(1–2):154–62
Identification and characterization of cell types in monolayer cultures of rat retina using monoclonal antibodies. Akagawa K, et al. **Brain Res** 1986 Sep 24;383(1–2):110–20
Cholinergic neurons in the rabbit retina: immunocytochemical localization, and relationship to GABAergic and cholinesterase-containing neurons. Brandon C. **Brain Res** 1987 Jan 20;401(2):385–91
Laminar asymmetry in the distribution of choline acetyltransferase-immunoreactive neurons in the retina of the tree shrew (Tupaia belangeri). Conley M, et al. **Brain Res** 1986 Dec 10;399(2):332–8
Immunocytochemical staining of cholinergic amacrine cells in rabbit retina. Famiglietti EV, et al. **Brain Res** 1987 Jun 16;413(2):398–403
Starburst amacrine cells in cat retina are associated with bistratified, presumed directionally selective, ganglion cells. Famiglietti EV. **Brain Res** 1987 Jun 16;413(2):404–8
Topography of retinodiencephalic projections in adult channel catfish. Fraley SM, et al. **Brain Res** 1986 Oct 15; 385(1):179–84
Paradoxical induction of dopaminergic cells following

intravitreal injection of high doses of 6-hydroxydopamine in juvenile carp retina. Negishi K, et al. **Brain Res** 1987 May;430(1):67–79

A monoclonal antibody specific for a subpopulation of retinal bipolar cells in the frog and other vertebrates. Onoda N, et al. **Brain Res** 1987 Jul 28;416(2):359–63

Dopamine modulates evoked transmission at cholinergic synapses formed by rat retinal neurons with muscle cells. Tsai WH, et al. **Brain Res** 1986 Aug 20;380(2):375–8

GABAergic input to the synaptic terminals of mb1 bipolar cells in the goldfish retina. Yazulla S, et al. **Brain Res** 1987 May 19;411(2):400–5

Specific neuronal staining by in vitro uptake of lucifer yellow. Zimmerman RP. **Brain Res** 1986 Sep 24;383(1–2):287–98

A retinal whole-mount method useful in detecting retrogradely-labeled ganglion cells. Hess DT. **Brain Res Bull** 1987 Apr;18(4):581–4

Nature and nurture in the differentiation of retinal photoreceptors and neurons. Adler R. **Cell Differ** 1987 Mar; 20(2–3):183–8

Regulatory aspects of the in vitro development of retinal Müller glial cells. Linser PJ, et al. **Cell Differ** 1987 Mar; 20(2–3):189–96

Determination of proliferative parameters from growth curves. Cowan R, et al. **Cell Tissue Kinet** 1987 Mar; 20(2):153–9

Putative cholinergic elements in the photosensory pineal organ and retina of a teleost, Phoxinus phoxinus L. (Cyprinidae). Distribution of choline acetyltransferase immunoreactivity, acetylcholinesterase-positive elements and pinealofugally projecting neurons. Ekström P, et al. **Cell Tissue Res** 1986;246(2):321–9

Immunocytochemical markers revealing retinal and pineal but not hypothalamic photoreceptor systems in the Japanese quail. Foster RG, et al. **Cell Tissue Res** 1987 Apr; 248(1):161–7

A lectin cytochemical study of glycoconjugates in the human retina. Kivelä T, et al. **Cell Tissue Res** 1987 Aug; 249(2):277–88

Segregation of FMRF amide-immunoreactive efferent fibers from NPY-immunoreactive amacrine cells in goldfish retina. Muske LE, et al. **Cell Tissue Res** 1987 Feb; 247(2):299–307

Immunocytochemical localization of S-100 protein in astrocytes and Müller cells in the rabbit retina. Schnitzer J. **Cell Tissue Res** 1987 Apr;248(1):55–61

The shape and distribution of astrocytes in the retina of the adult rabbit. Schnitzer J, et al. **Cell Tissue Res** 1986; 246(1):91–102

Amacrine cells with neurotensin- and somatostatin-like immunoreactivities in three species of teleosts with different color vision. Wagner HJ, et al. **Cell Tissue Res** 1987 Jun; 248(3):663–73

Germinal cells in the goldfish retina that produce rod photoreceptors. Raymond PA, et al. **Dev Biol** 1987 Jul; 122(1):120–38

Histogenesis of dopamine-containing neurons in the rat retina. Evans JA, et al. **Exp Eye Res** 1987 Mar;44(3):407–14

Cholinergic neurons in the human retina. Hutchins JB, et al. **Exp Eye Res** 1987 Mar;44(3):363–75

Analysis of an inductive interaction between lens and neural retina in rats of different ages. Richardson NA, et al. **Exp Eye Res** 1986 Dec;43(6):1031–42

Development of traction retinal detachments following intravitreal injections of retinal Muller and pigment epithelial cells. Peters MA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):554–63

Neuropeptide Y (NPY) immunoreactive neurons in the retina of different species. Bruun A, et al. **Histochemistry** 1986; 86(2):135–40

Anatomy of the mouse retina. Endothelial cell–pericyte ratio and capillary distribution. Cuthbertson RA, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1659–64

Chemotaxis of rat retinal glia to growth factors found in repairing wounds. Harvey AK, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1092–9

Embryonic neural retinal cell response to extracellular matrix proteins: developmental changes and effects of the cell substratum attachment antibody (CSAT). Hall DE, et al. **J Cell Biol** 1987 Mar;104(3):623–34

Morphology of rabbit retinal ganglion cells projecting to the medial terminal nucleus of the accessory optic system. Buhl EH, et al. **J Comp Neurol** 1986 Nov 8;253(2):163–74

Terminations of individual optic tract fibers in the lateral geniculate nuclei of Galago crassicaudatus and Tupaia belangeri. Conley M, et al. **J Comp Neurol** 1987 Feb 1; 256(1):71–87

Retinal ganglion cells projecting to the accessory optic system in the rat. Dann JF, et al. **J Comp Neurol** 1987 Aug 1;262(1):141–58

Morphology of physiologically identified bipolar cells in the retina of the tiger salamander, Ambystoma tigrinum. Hare WA, et al. **J Comp Neurol** 1986 Oct 1;252(1):130–8

Retinal crowding alters the morphology of alpha ganglion cells. Kirby MA, et al. **J Comp Neurol** 1986 Sep 22; 251(4):532–41

Displaced ganglion cells in the retina of the rat. Linden R. **J Comp Neurol** 1987 Apr 1;258(1):138–43

Patterns of cell death in the ganglion cell layer of the human fetal retina. Provis JM. **J Comp Neurol** 1987 May 8; 259(2):237–46

Relationships between ganglion cell dendritic structure and retinal topography in the cat. Schall JD, et al. **J Comp Neurol** 1987 Mar 8;257(2):149–59

Ganglion cell dendritic structure and retinal topography in the rat. Schall JD, et al. **J Comp Neurol** 1987 Mar 8; 257(2):160–5

Morphometric analysis of serotoninergic bipolar cells in the retina and its implications for retinal image processing. Schütte M, et al. **J Comp Neurol** 1987 Jun 22;260(4):619–26

Functional morphology of frog retinal ganglion cells and their central projections: the dimming detectors. Stirling RV, et al. **J Comp Neurol** 1987 Apr 22;258(4):477–95

Relationship between astrocytes, ganglion cells and vasculature of the retina. Stone J, et al. **J Comp Neurol** 1987 Jan 1;255(1):35–49

Morphological and physiological studies of rod-driven horizontal cells with special reference to the question of whether they have axons and axon terminals. Tsukamoto Y, et al. **J Comp Neurol** 1987 Jan 8;255(2):305–16

Morphology and distribution of neurons in the retinal ganglion cell layer of the adult tammar wallaby—Macropus eugenii. Wong RO, et al. **J Comp Neurol** 1986 Nov 1; 253(1):1–12

The morphology, number, and distribution of a large population of confirmed displaced amacrine cells in the adult cat retina. Wong RO, et al. **J Comp Neurol** 1987 Jan 8;255(2):159–77

Quantitative and qualitative morphology of rabbit retinal glia. A light microscopical study on cells both in situ and isolated by papaine. Reichenbach A. **J Hirnforsch** 1987; 28(2):213–20

Regulation of dopamine release from interplexiform cell processes in the outer plexiform layer of the carp retina. O'Connor PM, et al. **J Neurochem** 1987 Sep;49(3):916–20

W-cells in the cat retina: correlated morphological and physiological evidence for two distinct classes. Stanford LR. **J Neurophysiol** 1987 Jan;57(1):218–44 (82 ref.)

Morphology of physiologically identified retinogeniculate X- and Y-axons in the cat. Sur M, et al. **J Neurophysiol** 1987 Jul;58(1):1–32

Growth cone morphology varies with position in the developing mouse visual pathway from retina to first targets. Bovolenta P, et al. **J Neurosci** 1987 May; 7(5):1447–60

Topographic targeting errors in the retinocollicular projection and their elimination by selective ganglion cell death. O'Leary DD, et al. **J Neurosci** 1986 Dec; 6(12):3692–705

A combined Golgi and autoradiographic study of 3H-glycine-accumulating cone bipolar cells in the cat retina. Pourcho RG, et al. **J Neurosci** 1987 Apr; 7(4):1178–88

A system of indoleamine-accumulating neurons in the rabbit retina. Sandell JH, et al. **J Neurosci** 1986 Nov;6(11):3331–47

Axonal regeneration and synapse formation in the superior colliculus by retinal ganglion cells in the adult rat. Vidal-Sanz M, et al. **J Neurosci** 1987 Sep;7(9):2894–909

Displaced amacrine cells in the retina of a rabbit: analysis of a bivariate spatial point pattern. Diggle PJ. **J Neurosci Methods** 1986 Oct;18(1–2):115–25

Retinal ganglion-cell density and receptive-field size as determinants of photopic flicker sensitivity across the human visual field. Raninen A, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1620–6

Induction of proliferation of neuroretina cells by long terminal repeat activation of the carboxy-terminal part of c-mil. Dozier C, et al. **Mol Cell Biol** 1987 May;7(5):1995–8

Electrogenic glutamate uptake is a major current carrier in the membrane of axolotl retinal glial cells [published erratum appears in Nature 1987 Aug 20–26;328(6132):742] Brew H, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):707–9

Growth transformation by v-myc [letter] Calothy G, et al. **Nature** 1987 Sep 3–9;329(6134):22

The v-myc oncogene is sufficient to induce growth transformation of chick neuroretina cells. Casalbore P, et al. **Nature** 1987 Mar 12–18;326(6109):188–90

Long-distance intraretinal connections in birds. Catsicas S, et al. **Nature** 1987 Mar 12–18;326(6109):186–7

A cell surface molecule distributed in a dorsoventral gradient in the perinatal rat retina [published erratum appears in Nature 1987 Jan 15–21:284] Constantine-Paton M, et al. **Nature** 1986 Dec 4–10;324(6096):459–62

Ipsilateral retinofugal and retinopetal projections in normal and monocular cichlid fish. Fritzsch B, et al. **Neurosci Lett** 1987 Aug 5;78(3):259–64

Neurons and glia in purified retinal cultures identified by monoclonal antibodies to intermediate filaments. Hyndman AG, et al. **Neurosci Lett** 1987 Mar 31;75(2):121–6

Cholinergic amacrine cells in the rabbit retina synapse onto other cholinergic amacrine cells. Millar TJ, et al. **Neurosci Lett** 1987 Mar 9;74(3):281–5

Postnatal development of radial glial (Müller) cells of the rabbit retina. Reichenbach A, et al. **Neurosci Lett** 1986 Nov 11;71(2):125–30

Retinal astrocytes: their restriction to vascularized parts of the mammalian retina. Schnitzer J. **Neurosci Lett** 1987 Jul 9;78(1):29–34

A study of the centrifugal projections to the pigeon retina using two fluorescent markers. Wolf-Oberhollenzer F. **Neurosci Lett** 1987 Jan 2;73(1):16–20

Morphological study of signal pathway between the somata and the axon terminals of L-type horizontal cells in carp retina. Kouyama N, et al. **Neurosci Res** 1986;Suppl 4:S99–109

Bipolar-amacrine synaptic transmission: effect of polarization of bipolar cells on amacrine cells in the carp retina. Kujiraoka T, et al. **Neurosci Res** 1986;Suppl 4:S111–9

Morphology and physiology of catfish cone horizontal cells. Sakai HM, et al. **Neurosci Res** 1986;Suppl 4:S133–40 (29 ref.)

Neurocircuitry of two types of neurotensin-containing amacrine cells in the turtle retina. Eldred WD, et al. **Neuroscience** 1987 May;21(2):603–18

Cholinergic amacrine cells of the chicken retina: a light and electron microscope immunocytochemical study. Millar TJ, et al. **Neuroscience** 1987 Jun;21(3):725–43

Retinal decussation patterns in pigmented and albino ferrets. Morgan JE, et al. **Neuroscience** 1987 Feb;20(2):519–35

Blockade of electrical activity promotes the death of mammalian retinal ganglion cells in culture. Lipton SA. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9774–8

The functional architecture of the retina. Masland RH. **Sci Am** 1986 Dec;255(6):102–11 (0 ref.)

Photoreceptor inputs converging onto C-type horizontal cells of the retina of crucian carp. Yang XL. **Sci Sin [B]** 1987 Jan;30(1):33–43

Transient morphological features of identified ganglion cells in living fetal and neonatal retina. Ramoa AS, et al. **Science** 1987 Jul 31;237(4814):522–5

A whole mount method for sequential analysis of photoreceptor and ganglion cell topography in a single retina. Curcio CA, et al. **Vision Res** 1987;27(1):9–15

Development of the area centralis and visual streak in the grey kangaroo Macropus fuliginosus. Dunlop SA, et al. **Vision Res** 1987;27(2):151–64

Constant dendritic coverage by ganglion cells with growth of the goldfish's retina. Hitchcock PF. **Vision Res** 1987; 27(1):17–22

[Scanning electron microscopy and light microscopy studies on the retina of chick embryos in cell culture] Grosse G, et al. **J Hirnforsch** 1986;27(6):587–96 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effect of postnatal exposure to lead on the electroretinogram in young rats. el Azazi M, et al. **Acta Ophthalmol (Copenh)** 1987 Jun;65(3):334–43

Effects of picrotoxin on the turtle's electroretinogram under different background illumination. Kupenova P, et al. **Acta Physiol Pharmacol Bulg** 1986;12(2):40–8

Hydroxychloroquine therapy in massive total doses without retinal toxicity. Johnson MW, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):139–44

Intravitreal vancomycin. Retinal toxicity, clearance, and interaction with gentamicin. Pflugfelder SC, et al. **Arch Ophthalmol** 1987 Jun;105(6):831–7

Increased axonal transport in the rat optic system after systemic exposure to methylmercury: differential effects in local vs systemic exposure conditions. Aschner M, et al. **Brain Res** 1987 Jan 13;401(1):132–41

5-HT2 antagonists reduce ON responses in the rabbit retina. Brunken WJ, et al. **Brain Res** 1986 Oct 1;384(1):161–5

Kynurenic acid distinguishes kainate and quisqualate receptors in the vertebrate retina. Coleman PA, et al. **Brain Res** 1986 Aug 27;381(1):172–5

Specific ganglion cell death induced by intravitreal kainic acid in the chicken retina. Ehrlich D, et al. **Brain Res** 1987 Jul 14;415(2):342–6

Antagonists of glutaminergic neurotransmission block retinotectal transmission in goldfish. Langdon RB, et al. **Brain Res** 1986 Nov 19;398(1):169–74

Gonadotropin-releasing hormone (GnRF), molluscan cardioexcitatory peptide (FMRFamide), enkephalin and related neuropeptides affect goldfish retinal ganglion cell activity. Walker SE, et al. **Brain Res** 1986 Oct 8; 384(2):262–73

Folic acid protects chick retinal neurons against the neurotoxic action of excitatory amino acids. Sattayasai J, et al. **Exp Eye Res** 1987 Apr;44(4):523–35

Effects of platelet-activating factor on electrophysiology of isolated retinas and their inhibition by BN 52021, a specific PAF-acether receptor antagonist. Doly M, et al. **Immunopharmacology** 1987 Jun;13(3):189–94

Effects of PAF-acether on electrophysiological response of isolated retina. Doly M, et al. **Int J Tissue React** 1987; 9(1):33–7

Neurotoxic action of kainic acid in the isolated toad and goldfish retina: II. Mechanism of action. Kleinschmidt J, et al. **J Comp Neurol** 1986 Dec 8;254(2):196–208

Neurotoxic action of kainic acid in the isolated toad and goldfish retina: I. Description of effects. Kleinschmidt J, et al. **J Comp Neurol** 1986 Dec 8;254(2):184–95

Biochemical, behavioural, and endocrine effects of CK 204-933, a novel 8 beta-ergolene. Markstein R, et al. **J Neural Transm** 1987;69(3–4):179–99

Influence of hydrocortisone on chick embryo retina development. Vento R, et al. **J Neurochem** 1987 Jun; 48(6):1693–8

Morphological changes induced in turtle retinal neurons by exposure to 6-hydroxydopamine and 5,6-dihydroxytryptamine. Witkovsky P, et al. **J Neurocytol** 1987 Feb;16(1):55–67

Brain-derived neurotrophic factor supports the survival of cultured rat retinal ganglion cells. Johnson JE, et al. **J Neurosci** 1986 Oct;6(10):3031–8

The toxic effects of ethylcholine mustard aziridinium ion on cholinergic cells in the chicken retina. Millar TJ, et al. **J Neurosci** 1987 Feb;7(2):343–56

Effect of argon laser photoradiation on monkey retina treated with hematoporphyrin derivative—fluorescein angiographic and light microscopic study. Ohnishi Y, et al. **Jpn J Ophthalmol** 1987;31(1):160–70

Effect of tyrosine administration on dopa accumulation in light- and dark-adapted retinas from normal and diabetic rats. Fernstrom MH, et al. **Life Sci** 1986 Dec 1; 39(22):2049–57

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) treatment decreases dopamine and increases lipofuscin in mouse retina. Mariani AP, et al. **Neurosci Lett** 1986 Dec 12;72(2):221–6

Joro spider venom: glutamate agonist and antagonist on the rod retina of the dogfish. Shiells RA, et al. **Neurosci Lett** 1987 Jun 15;77(2):221–5

Fibroblast growth factors promote the survival of adult rat retinal ganglion cells after transection of the optic nerve. Sievers J, et al. **Neurosci Lett** 1987 May 6;76(2):157–62

The effect of cholinergic agonists and antagonists on ganglion cells in the mudpuppy retina. McReynolds JS, et al. **Neurosci Res** 1986;Suppl 4:S153–61

Action and localisation of neurotransmitters in the cat retina. Wässle H, et al. **Neurosci Res** 1986;Suppl 4:S181–95

Lithium and circadian patterns of melatonin in the retina, hypothalamus, pineal and serum. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):325–34

Retinal toxicity of ganciclovir in vitrectomy infusion solution. Kao GW, et al. **Retina** 1987 Summer;7(2):80–3

Intravitreal trifluorothymidine and retinal toxicity. Pang MP, et al. **Retina** 1986 Winter;6(4):260–3

Excitatory amino acids have different effects on horizontal cells in eyecup and isolated retina. Miyachi E, et al. **Vision Res** 1987;27(2):209–14

[Effect of Ginkgo biloba extract on the electrophysiology of the isolated retina from a diabetic rat] Doly M, et al. **Presse Med** 1986 Sep 25;15(31):1480–3 (Eng. Abstr.) **(Fre)**

[Regeneration capacity in retina and vitreous body changes following extraction of intravitreal copper particles] Schmidt JG, et al. **Klin Monatsbl Augenheilkd** 1986 Jul; 189(1):39–43 (Eng. Abstr.) **(Ger)**

[Neuromorphology of drug-conditioned development in nerve tissue culture] Grosse G, et al. **Z Mikrosk Anat Forsch** 1986;100(4):661–73 (Eng. Abstr.) **(Ger)**

[Effects of intravitreal injection of sulfobenzylpenicillin on the ERG] Mochizuki K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1211–6 (Eng. Abstr.) **(Jpn)**

[Effects of an anti-prostaglandin agent added to the irrigation solution on retinal edema in rabbit eyes induced by pars plana vitrectomy] Shimada H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):360–75 (Eng. Abstr.) **(Jpn)**

[Mechanisms of retinal damage in chloroquine retinopathy] Ivanina TA, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):180–3 (Eng. Abstr.) **(Rus)**

[Aggravating action of oxygen in light injury to the retina in the white rat] Kapusta NV, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):102–4 (Eng. Abstr.) **(Rus)**

[Effect of vitamins A and E on the structural-functional state of retinal lysosomes] Leus NF, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):75–9 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Two modes of free migration of amacrine cell neuroblasts in the chick retina. Prada C, et al. **Anat Embryol (Berl)** 1987;175(3):281–7

Retinal cell death occurs in the absence of retinal disc invagination: experimental evidence in papaverine-treated chicken embryos. García-Porrero JA, et al. **Anat Rec** 1987 Apr;217(4):395–401

Development of the retinotectal system in normal quail embryos: cytoarchitectonic development and optic fiber innervation. Senut MC, et al. **Brain Res** 1986 Sep; 394(1):123–40

Outgrowth and directional specificity of fibers from embryonic retinal transplants in the chick optic tectum. Thanos S, et al. **Brain Res** 1987 Apr;429(2):161–79

Developmental regulation of chick embryo retina neurite extension by extrinsic factors. Thompson JM, et al. **Brain Res Bull** 1987 Apr;18(4):479–84

An attempt to assay the state of determination by using transfected genes as probes in transdifferentiation of neural retina into lens. Kondoh H, et al. **Cell Differ** 1987 Mar; 20(2–3):203–7

The cytoskeleton of chick retinal pigment epithelial cells in situ. Turksen K, et al. **Cell Tissue Res** 1987 Apr; 248(1):95–101

Developmental predetermination of the structural and molecular polarization of photoreceptor cells. Adler R. **Dev Biol** 1986 Oct;117(2):520–7

The role of laminin and the laminin/fibronectin receptor complex in the outgrowth of retinal ganglion cell axons. Cohen J, et al. **Dev Biol** 1987 Aug;122(2):407–18

Anterograde tracing of retinal axons in the avian embryo with low molecular weight derivatives of biotin. Halfter W. **Dev Biol** 1987 Feb;119(2):322–35

Immunohistochemical characterization of delta crystallin–containing retina/optic nerve "boundary" cells in the chick embryo. Linser PJ, et al. **Dev Biol** 1987 Jun; 121(2):499–509

A possible role for the vascular membrane in retinal regeneration in Rana catesbienna tadpoles. Reh TA, et al. **Dev Biol** 1987 Aug;122(2):471–82

Conditioned medium–mediated photoreceptor differentiation in retina from embryonic rd chickens. Spoerri PE, et al. **Eur J Cell Biol** 1987 Aug;44(1):105–11

Alterations in the differentiation of chick retina caused by an intraocular injection of an alkaline phosphatase inhibitor. Araki M, et al. **Exp Eye Res** 1986 Nov;43(5):713–28

Cell death in the development of the human retina: phagocytosis of pyknotic and apoptotic bodies by retinal cells. Penfold PL, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):549–53

Embryonic neural retinal cell response to extracellular matrix proteins: developmental changes and effects of the cell substratum attachment antibody (CSAT). Hall DE, et al. **J Cell Biol** 1987 Mar;104(3):623–34

Fate of uncrossed retinal projections following early or late prenatal monocular enucleation in the mouse. Godement P, et al. **J Comp Neurol** 1987 Jan 1;255(1):97–109

Early development of photoreceptors in the ventral retina of the zebrafish embryo. Kljavin IJ. **J Comp Neurol** 1987 Jun 15;260(3):461–71

Development of the rhesus monkey retina: II. A three-dimensional analysis of the sequences of synaptic combinations in the inner plexiform layer. Nishimura Y, et al. **J Comp Neurol** 1987 Aug 8;262(2):290–313

Ontogeny of the area centralis in the cat. Robinson SR. **J Comp Neurol** 1987 Jan 1;255(1):50–67

Localization of choline acetyltransferase-like immunoreactivity in the embryonic chick retina. Spira AW, et al. **J Comp Neurol** 1987 Jun 22;260(4):526–38

Axon trajectories and pattern of terminal arborization during the prenatal development of the cat's retinogeniculate pathway. Sretavan DW, et al. **J Comp Neurol** 1987 Jan 15;255(3):386–400

Axonal arborization in the developing chick retinotectal system. Thanos S, et al. **J Comp Neurol** 1987 Jul 1; 261(1):155–64

Axolotl retina and lens development: mutual tissue stimulation and autonomous failure in the eyeless mutant retina. Cuny R, et al. **J Embryol Exp Morphol** 1986 Jul; 96:151–70

Quantitative development and molecular forms of acetyl- and butyrylcholinesterase during morphogenesis and synaptogenesis of chick brain and retina. Layer PG, et al. **J Neurochem** 1987 Jul;49(1):175–82

Accumulation of c-src mRNA is developmentally regulated in embryonic neural retina. Vardimon L, et al. **Mol Cell Biol** 1986 Nov;6(11):4109–11

A transient embryonic dopamine receptor inhibits growth cone motility and neurite outgrowth in a subset of avian retina neurons. Lankford K, et al. **Neurosci Lett** 1987 Mar 31;75(2):169–74

Course corrections of deflected retinal axons on the tectum of the chick embryo. Thanos S, et al. **Neurosci Lett** 1986 Dec 3;72(1):31–6

Cell patterning in pigment-chimeric eyes in Xenopus: germinal transplants and their contributions to growth of the pigmented retinal epithelium. Hunt RK, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3302–6

Hormonal regulation of glutamine synthetase in the retina: role of cell interactions. Moscona AA. **Prog Clin Biol Res** 1986;226:297–306 (23 ref.)

Formation of retinal ganglion cell topography during prenatal development. Lia B, et al. **Science** 1987 May 15; 236(4803):848–51

Corresponding spatial gradients of TOP molecules in the developing retina and optic tectum. Trisler D, et al. **Science** 1987 Sep 4;237(4819):1208–9

[PNA-glycoprotein patterns of the chick retina during embryo development] Liu L, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar;20(1):61–9 (Eng. Abstr.) **(Chi)**

[Analogy of Blaschko lines in the eye] Rott HD, et al. **J Genet Hum** 1987 Jan;35(1):19–27 (Eng. Abstr.) **(Fre)**

[Specific and nonspecific adhesion in the process of retinal cellular aggregation in chick embryos] Dol'nikova AE, et al. **Ontogenez** 1986 Nov–Dec;17(6):620–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Comparative study on carbonic anhydrase activity in the retina of different birds during development. Palatroni P, et al. **Anat Anz** 1987;163(1):5–18

Chick neural retina N-acetylgalactosaminyltransferase/acceptor complex: catalysis involves transfer of N-acetylgalactosamine phosphate to endogenous acceptors. Balsamo J, et al. **Biochemistry** 1986 Sep 23;25(19):5402–7

Acetylcholinesterase in the human retina. Hutchins JB, et al. **Brain Res** 1987 Jan 6;400(2):300–11

Development of cytochrome oxidase staining in the retina and lateral geniculate nucleus: a possible correlate of ON- and OFF-center channel maturation. Lachica EA, et al. **Brain Res** 1987 Aug;431(2):298–302

Distribution of glutaminase activity in retinal layers of rat and guinea pig. Ross CD, et al. **Brain Res** 1987 Jan 13; 401(1):168–72

Immunohistochemical localization of adenosine deaminase in the retina of the rat. Senba E, et al. **Brain Res Bull** 1986 Aug;17(2):209–17

Inhibition of aldose reductase from human retina. Poulsom R. **Curr Eye Res** 1987 Mar;6(3):427–32

Aldose reductase in the BB rat: isolation, immunological identification and localization in the retina and peripheral nerve. Chakrabarti S, et al. **Diabetologia** 1987 Apr; 30(4):244–51

Purification and properties of guanylate kinase from bovine retinas and rod outer segments. Hall SW, et al. **Eur J Biochem** 1986 Dec 15;161(3):551–6

Sequence of carbonic anhydrase II cDNA from chick retina. Rogers JH. **Eur J Biochem** 1987 Jan 2;162(1):119–22

Co-localization of tyrosine hydroxylase and phenylethanolamine-N-methyltransferase immunoreactivity in the rat retina: a re-examination using double labeling on semi-thin sections. Nguyen-Legros J, et al. **Exp Eye Res** 1986 Oct;43(4):575–84

Acetylcholinesterase localization in cat retina: a comparison with choline acetyltransferase. Pourcho RG, et al. **Exp Eye Res** 1986 Oct;43(4):585–94

Histoenzymological studies on the distribution of Ca++-activated adenosine triphosphatase amongst the constituents of the retinae of Varanus and Ptyas. Tyagi HR, et al. **Folia Biol (Praha)** 1987;33(1):17–25

Redistribution of Mn++-dependent pyrimidine 5'-nucleotidase (MDPNase) activity during shedding and phagocytosis. Irons MJ. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):83–91

Identification of the chick neural retina cell surface N-acetylgalactosaminyltransferase using monoclonal antibodies. Balsamo J, et al. **J Cell Biochem** 1986; 32(2):125–41

Localization of hydroxyindole-O-methyltransferase-like immunoreactivity in photoreceptors and cone bipolar cells in the human retina: a light and electron microscope study. Wiechmann AF, et al. **J Comp Neurol** 1987 Apr 8; 258(2):253–66

Ultracytochemical distribution of ouabain-sensitive, K+-dependent, p-nitrophenylphosphatase in the synaptic layers of goldfish retina. Yazulla S, et al. **J Comp Neurol** 1987 Jul 1;261(1):74–84

Distribution of activities of aspartate aminotransferase isoenzymes and malate dehydrogenase in guinea pig retinal layers. Ross CD, et al. **J Histochem Cytochem** 1987 Jun; 35(6):669–74

Adenosine A1 receptor–mediated inhibition of adenylate cyclase in rabbit retina. Blazynski C. **J Neurosci** 1987 Aug; 7(8):2522–8

Tyrosine hydroxylase immunoreactivity in the rhesus monkey retina reveals synapses from bipolar cells to dopaminergic amacrine cells. Hokoc JN, et al. **J Neurosci** 1987 Sep;7(9):2785–93

Distributions of the activities of aspartate aminotransferase isoenzymes in rat retinal layers. Ross CD, et al. **Neurosci Lett** 1987 Feb 24;74(2):205–10

Developmental regulation of glutamine synthetase and carbonic anhydrase II in neural retina. Vardimon L, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9060–4

Aldose reductases from human retina and bovine lens: dependence of inhibition upon the choice of enzyme substrate. Poulsom R. **Prog Clin Biol Res** 1987;232:341–52

[Succinate dehydrogenase activity of the retina and occipital lobe of the brain during emotional stress] Lutsenko NS, et al. **Ukr Biokhim Zh** 1987 Jul–Aug;59(4):94–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Cell differentiation in the retina of the mouse. Young RW. **Anat Rec** 1985 Jun;212(2):199–205

Retinal ganglion cell survival and neurite regeneration requirements: the change from Müller cell dependence to superior colliculi dependence during development. Armson PF, et al. **Brain Res** 1987 Apr;429(2):207–16

An investigation into the role of ganglion cells in the regulation of division and death of other retinal cells. Beazley LD, et al. **Brain Res** 1987 Jun;430(2):169–84

The retinotectal projection of quarter eyes in Xenopus laevis. Degen N, et al. **Brain Res** 1986 Sep;394(1):141–3

The effects of neonatal monocular enucleation on the organization of ipsilateral and contralateral retinothalamic projections in the rabbit. Grigonis AM, et al. **Brain Res** 1986 Sep;394(1):9–19

Effects of antibodies to large retinal ganglion cells on developing retinogeniculate pathways in the cat. McCall MA, et al. **Brain Res** 1987 Aug;431(2):223–33

Retinal ganglion cell survival requirements: a major but transient dependence on Müller glia during development. Raju TR, et al. **Brain Res** 1986 Sep 24;383(1–2):165–76

Histogenesis of the retina in murine trisomy 19. Lorke DE, et al. **Brain Res Bull** 1986 Jun;16(6):845–51

Structure and postnatal development of photoreceptors and their synapses in the retina of the tree shrew (Tupaia belangeri). Foelix RF, et al. **Cell Tissue Res** 1987 Feb; 247(2):287–97

Mononuclear phagocytes in the retina of developing rats. Linden R, et al. **Histochemistry** 1986;85(4):335–9

Role of target tissue in regulating the development of retinal ganglion cells in the albino rat: effects of kainate lesions

in the superior colliculus. Carpenter P, et al. **J Comp Neurol** 1986 Sep 8;251(2):240–59

Pre- and postsynaptic correlates of interocular competition and segregation in the frog. Constantine-Paton M, et al. **J Comp Neurol** 1987 Jan 8;255(2):178–95

Development of anomalous retinal projections to nonvisual thalamic nuclei in Syrian hamsters: a quantitative study. Frost DO. **J Comp Neurol** 1986 Oct 1;252(1):95–105

Mode of growth of retinal axons within the tectum of Xenopus tadpoles, and implications in the ordered neuronal connection between the retina and the tectum. Fujisawa H. **J Comp Neurol** 1987 Jun 1;260(1):127–39

Role of competitive interactions in the postnatal development of X and Y retinogeniculate axons. Garraghty PE, et al. **J Comp Neurol** 1986 Sep 8;251(2):216–39

The ipsilateral retinocollicular projection in the rabbit: an autoradiographic study of postnatal development and effects of unilateral enucleation. Ostrach LH, et al. **J Comp Neurol** 1986 Dec 15;254(3):369–81

Collapse of growth cone structure on contact with specific neurites in culture. Kapfhammer JP, et al. **J Neurosci** 1987 Jan;7(1):201–12

Effects of aging on the composition and metabolism of docosahexaenoate-containing lipids of retina. Rotstein NP, et al. **Lipids** 1987 Apr;22(4):253–60

Developmental neurobiology: uncertainties in the retina [news] Scholes JH. **Nature** 1987 Jul 9–15;328(6126):114–5

A common progenitor for neurons and glia persists in rat retina late in development. Turner DL, et al. **Nature** 1987 Jul 9–15;328(6126):131–6

Development of the area centralis and visual streak in the grey kangaroo Macropus fuliginosus. Dunlop SA, et al. **Vision Res** 1987;27(2):151–64

Constant dendritic coverage by ganglion cells with growth of the goldfish's retina. Hitchcock PF. **Vision Res** 1987; 27(1):17–22

[Evolution of the retinal distribution of amacrine cells immunoreactive to phenylethanolamine-N-methyltransferase during postnatal development in the white rat] Martin-Martinelli E, et al. **C R Acad Sci [III]** 1987;305(4):89–94 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunoreactive opsin content in subretinal fluid from patients with rhegmatogenous retinal detachments. Hara S, et al. **Arch Ophthalmol** 1987 Feb;105(2):260–3

Avian retinal cells express enkephalin-like immunoreactivity in culture. Fukuda M, et al. **Brain Res** 1987 Jan; 428(1):147–50

Effects of antibodies to large retinal ganglion cells on developing retinogeniculate pathways in the cat. McCall MA, et al. **Brain Res** 1987 Aug;431(2):223–33

The presence of glutamic acid decarboxylase and gamma-aminobutyric acid immunoreactivity in photoreceptors of hatching quail retina. Pessac B, et al. **Brain Res** 1987 Jan;428(1):156–9

Autoimmune basis for visual paraneoplastic syndrome in patients with small cell lung carcinoma. Retinal immune deposits and ablation of retinal ganglion cells. Grunwald GB, et al. **Cancer** 1987 Aug 15;60(4):780–6

Rabbit ocular and pineal autoimmune response to retina antigens. Kalsow CM, et al. **Curr Eye Res** 1986 Aug; 5(8):579–86

Is there a humoral autoimmune response to retinal antigens in the RCS rat? Reid DM, et al. **Curr Eye Res** 1987 Apr; 6(4):561–8

Comparative biochemical analysis of purified S-antigen from human, bovine, porcine and rat retina. Banga JP, et al. **Exp Eye Res** 1987 Feb;44(2):199–207

S-100 antigenic determinants in human retina. BenEzra D, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):151–3

Uveitogenic potential of lymphocytes sensitized to interphotoreceptor retinoid-binding protein. McAllister CG, et al. **J Immunol** 1987 Mar 1;138(5):1416–20

Production of monoclonal antibodies selective for aggregation-competent chick neural retina cells. An immunosuppressive approach. Thomas WA. **J Immunol Methods** 1987 Mar 12;97(2):237–43

Vitamin D-dependent calcium binding protein immunoreactivity in human retina. Verstappen A, et al. **Ophthalmic Res** 1986;18(4):209–14

Expression of the HNK-1 carbohydrate epitope in human retina and retinoblastoma. An immunohistochemical study with the anti-Leu-7 monoclonal antibody. Kivelä T. **Virchows Arch [A]** 1986;410(2):139–46

[Isolation and purification of bovine retina S-antigen] Chung YM, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 May;19(2):95–103 (Eng. Abstr.) **(Chi)**

[Determination of immunoglobulins and complement C3 in the subretinal fluid] Ma LQ. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):27–9 (Eng. Abstr.) **(Chi)**

[Purification and uveogenicity of retinal antigens] Fujino Y, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):498–508 (Eng. Abstr.) **(Jpn)**

[Genetic control of the differences in specific hypersensitivity reactions to retinal antigens] Simić M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):47–55 (Eng. Abstr.) **(Scc)**

INJURIES

Evulsion of the retina associated with optic nerve evulsion [published erratum appears in Am J Ophthalmol 1987 Aug 15;104(2):following 206] Williams DF, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):5–9

Delayed, incomplete recovery of macular function after photic retinal damage associated with extracapsular cataract extraction and posterior lens insertion. Case report. Hupp SL. **Arch Ophthalmol** 1987 Aug;105(8):1022–3

Retinal break formation following contrecoup trauma: case report. Longstaff S, et al. **Br J Ophthalmol** 1987 May; 71(5):375–6

Effect of the vitreous on retinal wound-healing. Miller B, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):576–9

Potential retinal hazards of visible-light photopolymerization units. Satrom KD, et al. **J Dent Res** 1987 Mar;66(3):731–6

Retinal cyclic light damage threshold for albino rats. Semple-Rowland SL, et al. **Lab Anim Sci** 1987 Jun; 37(3):289–98

Treatment of retinal detachment after penetrating injury: heavy cryotreatment of the fibrous ingrowth as an adjunct to vitreoretinal microsurgery. Bonnet M. **Ophthalmologica** 1987;194(4):164–8

[Scanning electron microscopy of laser-induced retinal damage] Xu JM. **Chung Hua Yen Ko Tsa Chih** 1987 May; 23(3):129–30 (Eng. Abstr.) **(Chi)**

[CW neodymium: YAG laser photocoagulation of the rabbit fundus—effect on the choroid and sclera in comparison to argon laser photocoagulation] Lorenz B, et al. **Fortschr Ophthalmol** 1986;83(4):436–40 (Eng. Abstr.) **(Ger)**

[Unilateral Purtscher traumatic angiopathy] Fellinger C, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):599–600 (Eng. Abstr.) **(Ger)**

[Direct optic nerve and retinal injury caused by retrobulbar injections] Meythaler FH, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):201–4 (Eng. Abstr.) **(Ger)**

[Retinochoroidal lesions in concussion injuries of the eyes—an experimental study] Yamana T. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1049–66 (Eng. Abstr.) **(Jpn)**

[Traumatic retinal detachment with ora serrata dialysis] Starzycka M, et al. **Klin Oczna** 1987 Jan;89(1):11–3 (Eng. Abstr.) **(Pol)**

INNERVATION

Retinal projections in the hedgehog (Erinaceus europaeus). An autoradiographic and horseradish peroxidase study. Dinopoulos A, et al. **Anat Embryol (Berl)** 1987;176(1):65–70

METABOLISM

Localization of visual pigment antigens to photoreceptor cells with different oil droplets in the chicken retina. Szél A, et al. **Acta Biol Hung** 1985;36(3–4):319–24

Changes in axonally transported proteins in the rat visual system following systemic methyl mercury exposure. Aschner M. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug; 59(2):151–7

Histamine in the retina. Ehinger B, et al. **Acta Physiol Scand** 1987 Feb;129(2):267–5

In vivo inhibition of tyrosine uptake into rat retina by large neutral but not acidic amino acids. Fernstrom MH, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E393–9

Regional specialization of the membrane of retinal glial cells and its importance to K+ spatial buffering. Newman EA. **Ann NY Acad Sci** 1986;481:273–86

Penetration of topical indomethacin into subretinal fluid of patients with retinal detachments. Case report. Gombos GM, et al. **Arch Ophthalmol** 1987 Jan;105(1):26–7

Pharmacologic modification of subretinal fluid absorption in the rabbit eye. Marmor MF, et al. **Arch Ophthalmol** 1986 Nov;104(11):1674–7

Relative permeability of retina and retinal pigment epithelium to the diffusion of tritiated water from vitreous to choroid. Orr G, et al. **Arch Ophthalmol** 1986 Nov;104(11):1678–80

Light stimulates the rapid formation of inositol trisphosphate in squid retinas. Szuts EZ, et al. **Biochem J** 1986 Dec 15; 240(3):929–32

Characterization of alpha 2-adrenergic receptors of calf retina membranes by [3H]-rauwolscine and [3H]-RX 781094 binding. Convents A, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2497–503

Cyclic taurine analogs. Synthesis and effects on ATP-dependent Ca2+ uptake in rat retina. Liebowitz SM, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2109–14

In vivo isomerization of all-trans- to 11-cis-retinoids in the eye occurs at the alcohol oxidation state. Bernstein PS, et al. **Biochemistry** 1986 Oct 21;25(21):6473–8

Selective localization of glycine-accumulating cells in reaggregate culture of rat retina. Akagawa K, et al. **Brain Res** 1987 Jan;428(1):124–8

Alpha-tubulin is not detyrosylated during axonal transport. Burgoyne RD, et al. **Brain Res** 1986 Aug 27;381(1):113–20

Protein consumption increases tyrosine concentration and in vivo tyrosine hydroxylation rate in the light-adapted rat retina. Fernstrom MH, et al. **Brain Res** 1987 Jan 20; 401(2):392–6

Development of somatostatin immunoreactive neurons in rat retina. Ferriero DM, et al. **Brain Res** 1987 Aug; 431(2):207–14

Dietary control of retinal dopamine synthesis. Gibson CJ. **Brain Res** 1986 Sep 10;382(1):195–8

D1-dopamine receptor activation mediates [3H]acetylcholine release from rabbit retina. Hensler JG, et al. **Brain Res** 1986 Nov 29;398(2):407–12

Cellular localization of N-acetylaspartylglutamate in amphibian retina and spinal sensory ganglia. Kowalski MM, et al. **Brain Res** 1987 Mar 17;406(1–2):397–401

Binding sites for [3H]SCH 23390 in retina: properties and possible relationship to dopamine D1-receptors mediating stimulation of adenylate cyclase. Makman MH, et al. **Brain Res** 1986 Dec;387(3):261–70

Amino acid synthesis from ornithine: enzymes and quantitative comparison in brain slices and detached retinas from rats and chicks. Matsuzawa T, et al. **Brain Res** 1987 Jun 16;413(2):314–9

Glutamate receptor agonists release [3H]GABA preferentially from horizontal cells. Moran J, et al. **Brain Res** 1986 Nov 29;398(2):276–87

Direct histochemical localisation of 5,7-dihydroxytryptamine and the uptake of serotonin by a subpopulation of GABA neurones in the rabbit retina. Osborne NN, et al. **Brain Res** 1986 Sep 10;382(1):158–62

Release of endogenous and radioactive purines from the rabbit retina. Perez MT, et al. **Brain Res** 1986 Nov 19; 398(1):106–12

Lectin affinity and PAGE analysis of soluble axonally transported glycoconjugates in the rat visual system. Rhodes CH, et al. **Brain Res** 1986 Dec 3;399(1):42–50

High-affinity serotonin binding sites: autoradiographic evidence for their location on retinal afferents in the rat superior colliculus. Segu L, et al. **Brain Res** 1986 Oct 8; 384(2):205–17

Ontogeny of substance P-containing structures in the chicken retina: immunohistochemical analysis. Tahara Y, et al. **Brain Res** 1986 Nov;395(1):37–45

Immunohistochemical localization of guanine nucleotide-binding protein in rat retina. Terashima T, et al. **Brain Res** 1987 Apr 28;410(1):97–100

Increased synthesis of membrane macromolecules is an early response of retinal neurons to trimethyltin intoxication. Toews AD, et al. **Brain Res** 1986 Nov 29;398(2):298–304

Interactions between enkephalin and gamma-aminobutyric acid in the larval tiger salamander retina. Watt CB, et al. **Brain Res** 1987 Apr 7;408(1–2):258–62

Effects of glycosylation inhibitors on the frog retina. Chambers JP, et al. **Brain Res Bull** 1986 Aug;17(2):259–63

Sources and sinks of light-evoked delta [K+]o in the vertebrate retina. Karwoski CJ, et al. **Can J Physiol Pharmacol** 1987 May;65(5):1009–17 (44 ref.)

Regulation of potassium levels by Müller cells in the vertebrate retina. Newman EA. **Can J Physiol Pharmacol** 1987 May;65(5):1028–32

Development of diel rhythm of CAMP in the eye of the trout postembryo. McCormack C, et al. **Cell Biol Int Rep** 1987 Aug;11(8):625

Enkephalin in the goldfish retina. Su YY, et al. **Cell Mol Neurobiol** 1986 Dec;6(4):331–47

Composition and labeling by [3H]glycerol and [3H]serine of phospholipids of the chicken retina and optic tectum. Marcheselli VL, et al. **Comp Biochem Physiol [B]** 1986; 85(4):825–32

Aldose reductase localization in dog retinal mural cells. Akagi Y, et al. **Curr Eye Res** 1986 Nov;5(11):883–6

Distribution of ascorbate in the retina, subretinal fluid and pigment epithelium. Lai YL, et al. **Curr Eye Res** 1986 Dec; 5(12):933–8

Immunoelectron microscopic localization of photoreceptor-specific markers in the monkey retina. Rodrigues M, et al. **Curr Eye Res** 1987 Feb;6(2):369–80

Binding of [3H]SCH 23390 to dopamine D-1 receptors in rat retina in vitro. Gredal O, et al. **Eur J Pharmacol** 1987 Jun 4;137(2–3):241–5

Catecholaminergic binding sites in cat retina, pigment epithelium and choroid. Bruinink A, et al. **Exp Eye Res** 1986 Aug;43(2):147–51

Glial fibrillary acidic protein increases in Müller cells after retinal detachment. Erickson PA, et al. **Exp Eye Res** 1987 Jan;44(1):37–48

Glycogen metabolism in an amphibian retina. Goldman SS, et al. **Exp Eye Res** 1986 Aug;43(2):267–72

Evidence for gluconeogenesis in the amphibian retina. Goldman SS, et al. **Exp Eye Res** 1987 Jan;44(1):65–71

Enzymatic characterization of peanut agglutinin-binding components in the retinal interphotoreceptor matrix. Johnson LV, et al. **Exp Eye Res** 1987 Apr;44(4):553–65

Immunological determination of transducin content in retinas exhibiting inherited degeneration. Navon SE, et al. **Exp Eye Res** 1987 Jan;44(1):115–25

The interphotoreceptor matrix in RCS rats: histochemical analysis and correlation with the rate of retinal degeneration. Porrello K, et al. **Exp Eye Res** 1986 Sep; 43(3):413–29

Docosahexaenoate metabolism and fatty-acid composition in developing retinas of normal and rd mutant mice. Scott BL, et al. **Exp Eye Res** 1987 Jan;44(1):101–13

The movement of organic solutes between the retina and pigment epithelium. Sellner PA. **Exp Eye Res** 1986 Oct; 43(4):631–9

Multiple NADPH-producing pathways control glutathione (GSH) content in retina. Winkler BS, et al. **Exp Eye Res** 1986 Nov;43(5):829–47

Retinal photoreceptor neurons and pinealocytes accumulate mRNA for interphotoreceptor retinoid-binding protein (IRBP). van Veen T, et al. **FEBS Lett** 1986 Nov 10; 208(1):133–7

Microenvironments of photoreceptor and interphotoreceptor matrix glycoconjugates. Wood JG, et al. **Histochem J** 1986 Nov–Dec;18(11–12):605–12

Rhodopsin, vitamin A, and interstitial retinol-binding protein in the rd chicken [published erratum appears in Invest Ophthalmol Vis Sci 1987 Jun;28(6):920] Bridges CD, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):613–7

Immunoferritin localization of actin in retinal photoreceptors. Chaitin MH, et al. **Invest Ophthalmol Vis Sci** 1986 Dec; 27(12):1764–7

Comparison of insulin receptors from bovine retinal blood vessels and nonvascular retinal tissue. Im JH, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1681–90

Kinetics of ascorbate transport by cultured retinal capillary pericytes. Inhibition by glucose. Khatami M, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1665–71

Quantitative estimation of metabolic transport of subretinal fluid. Negi A, et al. **Invest Ophthalmol Vis Sci** 1986 Nov; 27(11):1564–8

Light-induced phosphorylation of proteins from the all-cone retina of the lizard, Anolis carolinensis. Walter AE, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1609–14

Hydrolysis of 11-cis- and all-trans-retinyl palmitate by homogenates of human retinal epithelial cells. Blaner WS, et al. **J Biol Chem** 1987 Jan 5;262(1):53–8

Production of platelet-activating factor by chick retina. Bussolino F, et al. **J Biol Chem** 1986 Dec 15; 261(35):16502–8

Photochemistry and stereoselectivity of cellular retinaldehyde-binding protein from bovine retina. Saari JC, et al. **J Biol Chem** 1987 Jun 5;262(16):7618–22

Gamma-aminobutyric acid- and glutamic acid decarboxylase-immunoreactive neurons in the retina of different vertebrates. Agardh E, et al. **J Comp Neurol** 1987 Apr 22;258(4):622–30

Immunocytochemical and autoradiographic localization of GABAergic neurons in the goldfish retina. Ball AK. **J Comp Neurol** 1987 Jan 8;255(2):317–25

Serotonin and dopamine in the retina of a lizard. Engbretson GA, et al. **J Comp Neurol** 1987 Mar 1;257(1):140–7

A quantitative electron microscopic study of the intracellular localization of wheat germ agglutinin in retinal neurons. Rhodes CH, et al. **J Comp Neurol** 1986 Dec 15; 254(3):287–96

Effects of light and darkness on oxygen distribution and consumption in the cat retina. Linsenmeier RA. **J Gen Physiol** 1986 Oct;88(4):521–42

Posttranslational modification of neurofilament polypeptides in rabbit retina. Glicksman MA, et al. **J Neurobiol** 1987 Mar;18(2):167–96

Tryptamine and some related molecules block the accumulation of a light-sensitive pool of cyclic AMP in the dark-adapted, dark-incubated mouse retina. Cohen AI, et al. **J Neurochem** 1987 Mar;48(3):729–37

Polyamine localization and biosynthesis in chemically fractionated rat retina. Ientile R, et al. **J Neurochem** 1986 Nov;47(5):1356–60

Expression of a 48-kilodalton growth-associated protein in the goldfish retina. Perrone-Bizzozero NI, et al. **J Neurochem** 1987 Feb;48(2):644–52

Posttranslational modification of neurofilament proteins by phosphate during axoplasmic transport in retinal ganglion cell neurons. Nixon RA, et al. **J Neurosci** 1987 Apr; 7(4):1145–58

An indoleamine system in photoreceptor cell terminals of the Long–Evans rat retina. Redburn DA, et al. **J Neurosci** 1987 Feb;7(2):319–29

Morphological and immunocytochemical identification of indoleamine-accumulating neurons in the cat retina. Wässle H, et al. **J Neurosci** 1987 May;7(5):1574–85

Pineal, retinal, serum melatonin, and N-acetylserotonin rhythms in chicks on reversing light regimen and eye covering. Nir I, et al. **J Pineal Res** 1987;4(3):305–14

Accumulation of c-src mRNA is developmentally regulated in embryonic neural retina. Vardimon L, et al. **Mol Cell Biol** 1986 Nov;6(11):4109–11

GABA concentration and GAD activity levels in normal and degenerated retinas from mice. Kato T, et al. **Neurochem Res** 1987 Jun;12(6):529–35

L-[3H]lysine binding to rat retinal membrane: II. Effect of kainic acid, D,L-alpha-aminoadipic acid, iodoacetic acid, and modification by dark-exposure. Piccoli F, et al. **Neurochem Res** 1986 Dec;11(12):1719–26

L-[3H]lysine binding to rat retinal membrane: I. Quantitative determination and characterization of the binding sites. Piccoli F, et al. **Neurochem Res** 1986 Dec;11(12):1707–17

Localization of glycine uptake and receptors in the cat retina. Jäger J, et al. **Neurosci Lett** 1987 Mar 31;75(2):147–51

High Na+ affinity of the Na+,K+ pump in isolated rabbit retinal Müller (glial) cells. Reichenbach A, et al. **Neurosci Lett** 1987 Mar 31;75(2):157–62

Immunocytochemical labelling of horizontal cells in mammalian retina using antibodies against calcium-binding proteins. Röhrenbeck J, et al. **Neurosci Lett** 1987 Jun 26; 77(3):255–60

Urotensin I-like immunoreactivity in amacrine cells of the goldfish retina. Sakanaka M, et al. **Neurosci Lett** 1987 Apr 23;76(1):96–100

Immunocytochemical localization of serotonin in intracellularly analyzed and dye-injected ganglion cells of the turtle retina. Weiler R, et al. **Neurosci Lett** 1986 Dec 12;72(2):147–52

Serum, retinal, choroidal vitreal vitamin E concentrations in human infants. Bhat R. **Pediatrics** 1986 Nov;78(5):866–70

Isomerization of all-trans-retinoids to 11-cis-retinoids in vitro. Bernstein PS, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1849–53

Endogenous adenosine and adenosine receptors localized to ganglion cells of the retina. Braas KM, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3906–10

Use of 2-[125I]iodomelatonin to characterize melatonin binding sites in chicken retina. Dubocovich ML, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3916–20

Deduced amino acid sequence of bovine retinal Go alpha: similarities to other guanine nucleotide-binding proteins. Van Meurs KP, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3107–11

Localization of sodium channels in axon hillocks and initial segments of retinal ganglion cells. Wollner DA, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8424–8

[Does vitrectomy in proliferative diabetic retinopathy effect an improvement in intraocular metabolic status?] Kroll P, et al. **Fortschr Ophthalmol** 1986;83(4):471–3 (Eng. Abstr.) **(Ger)**

[Effect of visual cortex stimulation on lipid peroxidation in the rabbit retina] Dzhafarov AI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):289–91 (Eng. Abstr.) **(Rus)**

[Experimental substantiation of the phonophoresis of RNA hydrolysate (ENKAD) and its effect on cytochemical indicators in the retina] Marmur RK, et al. **Oftalmol Zh** 1986;(4):211–6 (Eng. Abstr.) **(Rus)**

[Circahoral rhythms of quantitative protein change--a marker of the morphological maturity and functional activity of the retina] Fel'dman BV. **Ontogenez** 1987 Mar–Apr;18(2):212–5 (Eng. Abstr.) **(Rus)**

[Dynamics of 3H-lysine incorporation into the retinal ganglion cells of the ground squirrel (Citellus pygmaeus Pallas) in active state and during hibernation] Fel'dman BV, et al. **Ontogenez** 1987 May–Jun;18(3):323–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Differential diagnosis of normoornithinaemic gyrate atrophy of the choroid and retina. Bargum R. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):369–73

Nerve fiber layer photography. A comparative study. Peli E, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):71–80

Hyperoxemic retinal neuronal necrosis in the premature neonate [letter] Brown HH, et al. **Am J Ophthalmol** 1987 May 15;103(5):726–7

Hyperoxemic retinal neuronal necrosis in the premature neonate. Johnson BL, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):423–30

Histopathologic and immunohistopathologic features of subretinal fibrosis and uveitis syndrome. Kim MK, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):15–23

Disappearance of myelinated retinal nerve fibers after a branch retinal artery occlusion. Teich SA. **Am J Ophthalmol** 1987 Jun 15;103(6):835–7

Epiretinal membranes in sickle cell retinopathy. Carney MD, et al. **Arch Ophthalmol** 1987 Feb;105(2):214–7

Anomalies of retinal architecture in Aicardi syndrome. Del Pero RA, et al. **Arch Ophthalmol** 1986 Nov;104(11):1659–64

Angioid streaks associated with abetalipoproteinemia. Case report. Duker JS, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1173–4

Subretinal fibrosis following cyclocryotherapy. Case report. Kao SF, et al. **Arch Ophthalmol** 1987 Sep;105(9):1175–6

Canthaxanthine (orobronze) retinopathy. McGuinness R, et al. **Aust N Z J Ophthalmol** 1986 Aug;14(3):239–41

Photographic recording of slit-lamp appearances of the ocular fundus. Kenyeres P, et al. **Br J Ophthalmol** 1986 Oct;70(10):766–8

Vitreoretinal junction in infectious endophthalmitis in a primate eye. Miller B, et al. **Br J Ophthalmol** 1987 Jun; 71(6):454–7

Epiretinal membranes in sickle cell disease. Moriarty BJ, et al. **Br J Ophthalmol** 1987 Jun;71(6):466–9

Idiopathic preretinal fibrosis in young patient. De Laey JJ, et al. **Bull Soc Belge Ophtalmol** 1985;215:117–24

Differentiation of retrovirus-infected avian neuroretina cells. Pessac B. **Cell Differ** 1987 Mar;20(2–3):197–202

Photoreceptor degeneration during infection with various strains of the scrapie agent in hamsters. Buyukmihci NC, et al. **Exp Neurol** 1987 Jul;97(1):201–6

Morphology of quisqualate-induced neurotoxicity in the chicken retina. Sattayasai J, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):106–17

Photoreceptor degeneration in a pure-cone retina. Effects of cyclic nucleotides, and inhibitors of phosphodiesterase and protein synthesis. Williams DS, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1059–69

How to photograph and evaluate the retinal nerve fiber layer. Fulk GW, et al. **J Am Optom Assoc** 1986 Oct;57(10):760–3

Myelinated nerve fibers, axial myopia, and refractory amblyopia: an organic disease. Ellis GS Jr, et al. **J Pediatr Ophthalmol Strabismus** 1987 May–Jun; 24(3):111–9

Uncrossed retino-geniculate and retino-tectal projections in the hereditary unilaterally microphthalmic rats. Tokunaga A, et al. **Neurosci Res** 1987 Feb;4(3):195–210

Association of varicella zoster dermatitis with acute retinal necrosis syndrome. Browning DJ, et al. **Ophthalmology** 1987 Jun;94(6):602–6

Chorioretinal juncture. Multiple extramacular drusen. Lewis H, et al. **Ophthalmology** 1986 Aug;93(8):1098–112

Retinitis pigmentosa with segmental massive retinal gliosis. An immunohistochemical, biochemical, and ultrastructural study. Rodrigues MM, et al. **Ophthalmology** 1987 Feb; 94(2):180–6

Ultrastructure of retinal pigment epithelial and neural cells in the neuronal ceroid-lipofuscinosis affected Dalmatian dog. Goebel HH, et al. **Retina** 1986 Summer–Fall; 6(3):179–87

Internal limiting membrane wrinkling after argon and krypton laser photocoagulation of choroidal neovascularization. Han DP, et al. **Retina** 1986 Winter; 6(4):215–9

Drug-induced acute transient myopia with retinal folds. Ryan EH Jr, et al. **Retina** 1986 Winter;6(4):220–3

Calcified cytoid bodies in acquired immunodeficiency syndrome. Tanenbaum M, et al. **Retina** 1987 Summer; 7(2):84–8

A study of the effects of vigabatrin on the central nervous system and retina of Sprague Dawley and Lister-Hooded rats. Butler WH, et al. **Toxicol Pathol** 1987;15(2):143–8

Examination of the retinal nerve fiber layer in the recognition of early glaucoma damage. Quigley HA. **Trans Am Ophthalmol Soc** 1986;84:920–66

The effect of islet transplantation on diabetic retinal endothelial cell proliferation. Cuthbertson RA, et al. **Transplant Proc** 1987 Apr;19(2):2913–5

Light-microscopic investigations on the retinae of dogs carrying the Merle factor. Klinckmann G, et al. **Zentralbl Veterinarmed** [A] 1986 Nov;33(9):674–88

[Diagnostic value of the retinal nerve fiber layer defect in primary open-angle glaucoma] Shen ZM. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):12–8 (Eng. Abstr.) **(Chi)**

[Analysis of ocular fundus changes in post-hemorrhagic anemic patients] Wu BQ. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):346–8 (Eng. Abstr.) **(Chi)**

[Pigment epithelium exposed by retinal tears and massive retinovitreal retraction] Bonnet M. **Bull Mem Soc Fr Ophtalmol** 1986;97:271–3 **(Fre)**

[Multiple lesions of the retinal pigment epithelium and the neuroepithelium associated with macular degeneration with a vitelliform appearance] Brancato R, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:293–5 **(Fre)**

[Clinical changes in the pigment epithelium in vitreo-retinal organizations. Pre-, per- and postoperative aspects] Le Rebeller MJ, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:268–70 **(Fre)**

[Paravenous pigmented retinochoroidal atrophy. Apropos of 4 cases] Haustrate FM, et al. **Bull Soc Belge Ophtalmol** 1985;214:65–77 (Eng. Abstr.) **(Fre)**

[Site and depth of glaucomatous visual field defects in relation to the size of the neuroretinal edge zone of the optic disk in glaucoma without hypertension, simple glaucoma, pigmentary glaucoma. A clinical study with the Octopus perimeter 201 and the optic nerve head analyzer] Gramer E, et al. **Klin Monatsbl Augenheilkd** 1986 Sep; 189(3):190–8 (Eng. Abstr.) **(Ger)**

[Evaluation of ultrasonography prior to vitreous surgery] Fujio N, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr; 91(4):425–9 (Eng. Abstr.) **(Jpn)**

[The correlation between retinal sensitivity and retinal nerve fiber layer atrophic appearance] Mizokami K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):942–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of retinal nerve fiber layer defects in normal adults] Nanba K, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):127–31 (Eng. Abstr.) **(Jpn)**

[Effects of argon and krypton laser photocoagulation on chorioretinal lesions with subretinal hemorrhage] Ohki R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):213–9 (Eng. Abstr.) **(Jpn)**

[Experimental choroidal malignant tumors (VX-2) in rabbits. Part 3. Tumor invasion in the choroid and changes in overlying tissues] Ohmura M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):961–5 (Eng. Abstr.) **(Jpn)**

[Clinical study on retinal vein occlusion. Part 2: Observation of the retinal nerve fiber layer by means of red-free fundus photography] Oshikiri M. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):1018–27 (Eng. Abstr.) **(Jpn)**

[Correlation between foveal dysfunction and retinal nerve fiber atrophy in early to middle stage of glaucoma] Tamura S, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov; 90(11):1407–16 (Eng. Abstr.) **(Jpn)**

[Skin, mucous membrane and retinal manifestations in HTLV III/LAV infections and AIDS] Dobloug JH, et al. **Tidsskr Nor Laegeforen** 1986 Jun 30;106(19–21):1547–53 (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Optic nerve transection and tectal removal affect phagocytic activity of the pigment epithelium in goldfish. Li WW, et al. **Acta Histochem (Jena)** 1987;81(2):149–53

Spatiotemporal organization of the receptive fields of retinal ganglion cells in the cat: a phenomenological model. Kruk

PJ, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(2–3):153–69
The interaction of Schwann cells with CNS axons in regions containing normal astrocytes. Blakemore WF, et al.
Acta Neuropathol (Berl) 1986;71(3–4):295–300
Interindividual variation and additivity of the visual evoked potentials to the local checkerboard stimulation of the central and paracentral retina. Airas KA.
Acta Ophthalmol (Copenh) 1986 Oct;64(5):557–62
Spatial characteristics of the oscillatory potentials of the electroretinogram. Wachtmeister L.
Acta Ophthalmol (Copenh) 1986 Dec;64(6):681–90
Saccadic exploration and perceptual-motor learning. Wolff P. **Acta Psychol (Amst)** 1986 Dec;63(1–3):263–80
Growth and connectivity of axotomized retinal neurons in adult rats with optic nerves substituted by PNS grafts linking the eye and the midbrain. Aguayo AJ, et al.
Ann NY Acad Sci 1987;495:1–9
Rapid mechanical changes in the amphibian retina evoked by brief light pulses. Tasaki I, et al.
Biochem Biophys Res Commun 1987 Feb 27;143(1):93–7
The perception of moving comets at high retinal illuminance levels: a rod–cone interaction effect. Barbur JL, et al.
Biol Cybern 1986;55(2–3):145–58
Representation of local geometry in the visual system. Koenderink JJ, et al. **Biol Cybern** 1987;55(6):367–75
A model of striate response properties based on geniculate anisotropies. Vidyasagar TR. **Biol Cybern** 1987; 57(1–2):11–23
Influence of substances modifying oxidative reactions on the electroretinogram of the frog. Czepita D.
Biomed Biochim Acta 1986;45(9):1195–8
Dietary modulation of retina phospholipids and photoreceptor function with particular reference to phosphatidylinositol. Blomstrand R, et al. **Biosci Rep** 1986 Jun;6(6):543–56
Velocity sensitivity and directional selectivity of frog retinal ganglion cells depend on chromaticity of moving stimuli. Grüsser-Cornehls U, et al. **Brain Behav Evol** 1985; 27(2–4):165–85
A neuronal subsystem in the cat's area 18 lacks retinotopy. Albus K. **Brain Res** 1987 Apr 28;410(1):199–203
Retinal ganglion cell survival and neurite regeneration requirements: the change from Müller cell dependence to superior colliculi dependence during development. Armson PF, et al. **Brain Res** 1987 Apr;429(2):207–16
Direct excitatory and lateral inhibitory synaptic inputs to amacrine cells in the tiger salamander retina. Barnes S, et al. **Brain Res** 1987 Mar 17;406(1–2):233–7
An investigation into the role of ganglion cells in the regulation of division and death of other retinal cells. Beazley LD, et al. **Brain Res** 1987 Jun;430(2):169–84
Target-field specificity in the induction of retinal neurite outgrowth. Carri NG, et al. **Brain Res** 1987 Jan; 428(1):83–90
Goldfish retina and tectum influence each other's growth activity during regrowth of the retinotectal projection. Cronly-Dillon JR, et al. **Brain Res** 1986 Nov;395(1):13–23
Powering of bulk transport (varicosities) and differential sensitivities of directional transport in growing axons. Edmonds B, et al. **Brain Res** 1987 Mar 17;406(1–2):288–93
Neuropharmacological actions of kynurenic and quinolinic acids on horizontal cells of the isolated fish retina. Hankins MW, et al. **Brain Res** 1986 Aug 20;380(2):297–302
The self-regulating synapse: a functional role for the co-existence of neuroactive substances. Lam DM, et al. **Brain Res** 1986 Sep;396(3):249–57
Effects of reduced numbers of lateral geniculate Y-cells on development of ocular dominance in cat striate cortex. McCall MA, et al. **Brain Res** 1987 Aug;431(2):235–43
Horizontal cells contribute to the receptive field surround of ganglion cells in the rabbit retina. Mangel SC, et al. **Brain Res** 1987 Jun 23;414(1):182–6
The effect of intraocular tetrodotoxin on the postnatal reduction in the numbers of optic nerve axons in the rat. O'Leary DD, et al. **Brain Res** 1986 Nov;395(1):96–103
Retinal ganglion cell survival requirements: a major but transient dependence on Müller glia during development. Raju TR, et al. **Brain Res** 1986 Sep 24;383(1–2):165–76
The relationship between axonal and perisynaptic conduction times in the retinogeniculate pathway of cats. Schroeder CE, et al. **Brain Res** 1986 Aug 27;381(1):143–7
Target regions enhance the outgrowth and survival of ganglion cells in embryonic retina transplanted to cerebral cortex in neonatal rats. Sefton AJ, et al. **Brain Res** 1987 May;430(1):145–9
Control of human optokinetic nystagmus by the central and peripheral retina: effects of partial visual field masking, scotopic vision and central retinal scotomata. Van Die GC, et al. **Brain Res** 1986 Sep 24;383(1–2):185–94
Retinal inputs to the geniculate relay cells in the eastern chipmunk (Tamias sibiricus asiaticus): a comparison between color and non-color sensitive cells. Wakakuwa K, et al. **Brain Res** 1987 Feb 24;404(1–2):211–20
Visual cortex controls retinal output in the rat. Molotchnikoff S, et al. **Brain Res Bull** 1986 Jul;17(1):21–32
Retinal spreading depression and the extracellular milieu. Martins-Ferreira H, et al. **Can J Physiol Pharmacol** 1987 May;65(5):1092–8
Altered pattern evoked retinal and cortical potentials associated with human senescence. Trick GL, et al.
Curr Eye Res 1986 Oct;5(10):717–24
Origin of electroretinogram components. 23rd symposium of the International Society for Clinical Electrophysiology of Vision (ISCEV). Mie, Japan, May 22–25, 1985.
Doc Ophthalmol 1986 Nov 15;63(4):305–415
Effects of age and sex on pattern electroretinograms and visual evoked potentials. Celesia GG, et al.
Electroencephalogr Clin Neurophysiol 1987 May; 68(3):161–71
Retinal neurones of cyprinid fish: intracellular marking with horseradish peroxidase and correlative morphological analysis. Djamgoz MB, et al. **Exp Biol** 1987;46(4):203–16
Increment thresholds of the three spectral mechanisms in the retina of the California ground squirrel (Spermophilus beecheyi). Blakeslee B, et al. **Exp Brain Res** 1987;66(1):21–8
Contribution of retinal versus extraretinal signals towards visual localization in goal-directed movements. Bock O.
Exp Brain Res 1986;64(3):476–82
Visual cortex in the albino rabbit. Choudhury BP.
Exp Brain Res 1987;66(3):565–71
Impaired refinement of the regenerated retinotectal projection of the goldfish in stroboscopic light: a quantitative WGA–HRP study. Cook JE, et al.
Exp Brain Res 1986;63(2):421–30
The effects of prenatal and neonatal monocular enucleation on visual topography in the uncrossed retinal pathway to the rat superior colliculus. Jeffery G, et al.
Exp Brain Res 1986;63(2):351–63
Topographic refinement of the regenerating retinotectal projection of the goldfish in standard laboratory conditions: a quantitative WGA–HRP study. Rankin EC, et al.
Exp Brain Res 1986;63(2):409–20
The orientation bias of LGN neurons shows topographic relation to area centralis in the cat retina. Shou T, et al.
Exp Brain Res 1986;64(1):233–6
Photostasis: regulation of daily photon-catch by rat retinas in response to various cyclic illuminances. Penn JS, et al.
Exp Eye Res 1986 Dec;43(6):915–28
Growth of retinal ganglion cell axons following optic nerve crush in adult hamsters. Stevenson JA. **Exp Neurol** 1987 Jul;97(1):77–89
Retinal receptive fields under different adaptation levels studied with pattern-evoked ERG. Korth M, et al.
Graefes Arch Clin Exp Ophthalmol 1987;225(1):63–9
Absence of extraretinal photic entrainment in a diurnal squirrel (Funambulus palmarum) and a nocturnal mouse (Mus booduga). Navaneethakannan K, et al.
Indian J Exp Biol 1986 Nov;24(11):730–1
Visual receptive fields of cat cortical neurons lack the distinctive geniculate Y cell signature. Spitzer H, et al.
Isr J Med Sci 1987 Jan–Feb;23(1–2):69–74
Basic mechanical properties of retina in simple elongation. Wu W, et al. **J Biomech Eng** 1987 Feb;109(1):65–7
Morphological and functional changes in the retinotectal system of the pigeon during the early posthatching period. Bagnoli P, et al. **J Comp Neurol** 1987 Feb 15;256(3):400–11
Ultrastructural evidence of the formation of synapses by retinal ganglion cell axons in two nonstandard targets. Cantore WA, et al. **J Comp Neurol** 1987 Jul 1;261(1):137–47
Visual topography of V1 in the Cebus monkey. Gattass R, et al. **J Comp Neurol** 1987 May 22;259(4):529–48
Cone synapses with Golgi-stained bipolar cells that are morphologically similar to a center–hyperpolarizing and a center–depolarizing bipolar cell type in the turtle retina. Kolb H, et al. **J Comp Neurol** 1986 Aug 22;250(4):510–20
Dependence of cytochrome oxidase activity in the rat lateral geniculate nucleus on retinal innervation. Land PW.
J Comp Neurol 1987 Aug 1;262(1):78–89
Topographic organization of the orientation column system in large flat-mounts of the cat visual cortex: a 2-deoxyglucose study. Löwel S, et al. **J Comp Neurol** 1987 Jan 15;255(3):401–15
Stages in the structural differentiation of retinal ganglion cells. Maslim J, et al. **J Comp Neurol** 1986 Dec 15; 254(3):382–402
Course of retinogeniculate projection fibers in the cat optic nerve. Naito J. **J Comp Neurol** 1986 Sep 15;251(3):376–87
Interpreting trans-retinal recordings of spectral sensitivity. Goldsmith TH. **J Comp Physiol [A]** 1986 Oct;159(4):481–7
Contributions of short-wavelength cones to goldfish ganglion cells. Mackintosh RM, et al. **J Comp Physiol [A]** 1987 Jun; 161(1):85–94
Edge preference of retinal and tectal neurons in common toads (Bufo bufo) in response to worm-like moving stripes: the question of behaviorally relevant 'position indicators'. Tsai HJ, et al. **J Comp Physiol [A]** 1987 Aug;161(2):295–304
A physiological measure of shifting connections in the Rana pipiens retinotectal system. Fraser SE, et al.
J Embryol Exp Morphol 1986 Jun;94:149–61
Retinal masking during pursuit eye movements: implications for spatiotopic visual persistence. Sun JS, et al.
J Exp Psychol [Hum Percept] 1987 Feb;13(1):140–5
Eye factors and lens-forming transformations of outer cornea in Xenopus laevis larvae. Bosco L, et al. **J Exp Zool** 1986 Dec;240(3):401–7
Role of the neural retina in newt (Notophthalmus viridescens) lens regeneration in vitro. Connelly TG, et al.
J Exp Zool 1986 Dec;240(3):343–51
Circadian rhythms in the green sunfish retina. Dearry A, et al. **J Gen Physiol** 1987 May;89(5):745–70
Spatiotemporal frequency responses of cat retinal ganglion cells. Frishman LJ, et al. **J Gen Physiol** 1987 Apr; 89(4):599–628
Biogenesis of presynaptic terminal proteins. Garner JA, et al. **J Neurochem** 1987 Sep;49(3):905–15
Human smooth pursuit: stimulus-dependent responses. Carl JR, et al. **J Neurophysiol** 1987 May;57(5):1446–63
Contributions of Y- and W-cell pathways to response properties of cat superior colliculus neurons: comparison of antibody- and deprivation-induced alterations. Crabtree JW, et al. **J Neurophysiol** 1986 Oct;56(4):1157–73
Receptive field properties and latencies of cells in the lateral geniculate nucleus of the North American opossum (Didelphis virginiana). Kirby MA, et al. **J Neurophysiol** 1986 Oct;56(4):907–33
Excitatory amino acid receptors of rod- and cone-driven horizontal cells in the rabbit retina. Massey SC, et al.
J Neurophysiol 1987 Mar;57(3):645–59
Two classes of single-input X-cells in cat lateral geniculate nucleus. II. Retinal inputs and the generation of receptive-field properties. Mastronarde DN.
J Neurophysiol 1987 Feb;57(2):381–413
The effects of prolonged superfusions with acidic amino acids and their agonists on field potentials and horizontal cell photoresponses in the turtle retina. Perlman I, et al.
J Neurophysiol 1987 Apr;57(4):1022–32
Proximal retinal contribution to the intraretinal 8-Hz pattern ERG of cat. Sieving PA, et al. **J Neurophysiol** 1987 Jan; 57(1):104–20
M-wave of proximal retina in cat. Sieving PA, et al.
J Neurophysiol 1986 Oct;56(4):1039–48
Scotopic threshold response of proximal retina in cat. Sieving PA, et al. **J Neurophysiol** 1986 Oct;56(4):1049–61
Interactions between growth cones and neurites growing from different neural tissues in culture. Kapfhammer JP, et al. **J Neurosci** 1987 May;7(5):1595–600
Pharmacology of retinotectal transmission in the goldfish: effects of nicotinic ligands, strychnine, and kynurenic acid. Langdon RB, et al. **J Neurosci** 1987 Mar;7(3):760–73
Distribution of potassium conductance in mammalian Müller (glial) cells: a comparative study. Newman EA.
J Neurosci 1987 Aug;7(8):2423–32
Dopaminergic mechanisms underlying the reduction of electrical coupling between horizontal cells of the turtle retina induced by d-amphetamine, bicuculline, and veratridine. Piccolino M, et al. **J Neurosci** 1987 Aug; 7(8):2273–84
Synaptic connections between neurons in living slices of the larval tiger salamander retina. Wu SM.
J Neurosci Methods 1987 Jun;20(2):139–49
Comparison of perceived spatial frequency between the fovea and the periphery. Davis ET, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1606–11
Two-dot vernier discrimination within 2.0 degrees of the foveal center. Groll SL, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1535–42
Position sense of the peripheral retina. Klein SA, et al.
J Opt Soc Am [A] 1987 Aug;4(8):1543–53
Ganzfield light distribution on the retina of human and rabbit eyes: calculations and in vitro measurements. Kooijman AC, et al. **J Opt Soc Am [A]** 1986 Dec;3(12):2116–20
Contrast discrimination in peripheral vision. Legge GE, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1594–8
Magnitude of lateral chromatic aberration across the retina of the human eye. Ogboso YU, et al.
J Opt Soc Am [A] 1987 Aug;4(8):1666–72
Retinal ganglion-cell density and receptive-field size as determinants of photopic flicker sensitivity across the human visual field. Raninen A, et al.
J Opt Soc Am [A] 1987 Aug;4(8):1620–6
Retinal limits to the detection and resolution of gratings. Thibos LN, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1524–9
Influence of contrast on foveal and peripheral detection of coherent motion in moving random-dot patterns. van de Grind WA, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1643–52
Peripheral hyperacuity: three-dot bisection scales to a single factor from 0 to 10 degrees. Yap YL, et al.
J Opt Soc Am [A] 1987 Aug;4(8):1554–61
Human fixation and pursuit in normal and open-loop conditions: effects of central and peripheral retinal targets. Collewijn H, et al. **J Physiol (Lond)** 1986 Oct;379:109–29
Potassium transport of the frog retinal pigment epithelium: autoregulation of potassium activity in the subretinal space. la Cour M, et al. **J Physiol (Lond)** 1986 Jun;375:461–79
Mossy fibres sending retinal-slip, eye, and head velocity signals to the flocculus of the monkey. Noda H.
J Physiol (Lond) 1986 Oct;379:39–60
Synaptic transmission in amphibian retinae during conditions unfavourable for calcium entry into presynaptic terminals. Schwartz EA. **J Physiol (Lond)** 1986 Jul;376:411–28
Interaction between the soma and the axon terminal of retinal horizontal cells in Cyprinus carpio. Yagi T.
J Physiol (Lond) 1986 Jun;375:121–35
Active defence of retinal temperature during hypothermia of the eye in cats. Stiehl WL, et al. **J Physiol (Paris)** 1986; 81(1):26–33
Microelectrode depth study of electroretinographic b- and d-waves in frog retina. Yanagida T, et al.
Jpn J Ophthalmol 1986;30(3):298–305
ERG c-wave and pigment granule distribution in isolated chick retina: effects of osmotic pressure variation in vitreal perfusing solution. Yoneyama T, et al.
Jpn J Ophthalmol 1986;30(3):306–17
Study of the retina: reminiscences of a physiologist. Tomita T. **Keio J Med** 1987 Jan;36(1):4–20
Model for a possible non-visual function of the iris, lens and

peripheral retina. Waniek D. **Med Hypotheses** 1987 Jul; 23(3):309–12

Endfeet of retinal glial cells have higher densities of ion channels that mediate K+ buffering. Brew H, et al. **Nature** 1986 Dec 4–10;324(6096):466–8

Ocular dominance shift in kitten visual cortex caused by imbalance in retinal electrical activity. Chapman B, et al. **Nature** 1986 Nov 13–19;324(6093):154–6

Dopamine enhances excitatory amino acid–gated conductances in cultured retinal horizontal cells. Knapp AG, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):437–9

Developmental neurobiology: uncertainties in the retina [news] Scholes JH. **Nature** 1987 Jul 9–15;328(6126):114–5

A common progenitor for neurons and glia persists in rat retina late in development. Turner DL, et al. **Nature** 1987 Jul 9–15;328(6126):131–6

Regeneration of the frog optic nerve. Comparisons with development. Stelzner DJ, et al. **Neurochem Pathol** 1986 Dec;5(3):255–88 (120 ref.)

Common features of light–evoked amacrine cell responses in vertebrate retina. Djamgoz MB. **Neurosci Lett** 1986 Nov 11;71(2):187–91

Lack of ingrowth of retinal axons into the visually deafferented superior colliculus in young rats: a horseradish peroxidase study. Gan SK, et al. **Neurosci Lett** 1986 Sep 25;70(1):10–6

The spreading depression potential and the ERG B–wave in retinas of the frog and chick. Fujimoto M, et al. **Neurosci Res** 1986;Suppl 4:S197–208

Physiological properties and possible functions of Muller cells. Newman EA. **Neurosci Res** 1986;Suppl 4:S209–20 (36 ref.)

Physiological and morphological studies of cone–horizontal cell connections in the turtle retina. Ohtsuka T, et al. **Neurosci Res** 1986;Suppl 4:S69–84

Does the random distribution of discrete photoreceptor events limit the sensitivity of the retina? Reuter T, et al. **Neurosci Res** 1986;Suppl 4:S163–80

White–noise analysis in retinal physiology. Sakuranaga M, et al. **Neurosci Res** 1986;Suppl 4:S141–52

Retinotectal reorganization in goldfish—IV. Effects of retinal ganglion cells after half tectal ablation. Marotte LR, et al. **Neuroscience** 1987 Jun;21(3):745–54

Functional and morphological correlates of amacrine cells in carp retina. Teranishi T, et al. **Neuroscience** 1987 Mar; 20(3):935–50

Effect of imposed retinal image movements on colour vision at a heterochromatic boundary in a stabilized retinal image. Foley–Fisher JA, et al. **Ophthalmic Physiol Opt** 1986; 6(4):377–84

The cortical representation of gradient–adapted multiple–stimulus perimetry. Wild JM, et al. **Ophthalmic Physiol Opt** 1986;6(4):401–5

Two–pulse temporal integration functions in the fovea and peripheral retina. Gottlieb MD, et al. **Percept Mot Skills** 1987 Apr;64(2):343–54

Intracellular recordings from isolated rabbit retinal Müller (glial) cells. Reichenbach A, et al. **Pflugers Arch** 1986 Sep; 407(3):348–53

Comparative effects of leukotrienes and PAF–acether electrophysiological activity of the rat retina. Doly M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:201–8

Daily fluctuations in the detectability of dim lights by humans. Bassi CJ, et al. **Physiol Behav** 1986;38(6):871–7

The retinal ganglion cell mosaic defines orientation columns in striate cortex. Soodak RE. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3936–40

Two–dimensional modeling of visual receptive fields using Gaussian subunits. Soodak RE. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9259–63

gamma–Aminobutyric acid exerts a local inhibitory action on the axon terminal of bipolar cells: evidence for negative feedback from amacrine cells. Tachibana M, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3501–5

Cone connections of the horizontal cells of the rhesus monkey's retina. Boycott BB, et al. **Proc R Soc Lond [Biol]** 1987 Jan 22;229(1257):345–79

The interplexiform–horizontal cell system of the fish retina: effects of dopamine, light stimulation and time in the dark. Mangel SC, et al. **Proc R Soc Lond [Biol]** 1987 Jun 22; 231(1262):91–121

Axonal growth in developing and regenerating amphibian retinotectal projection. Fujisawa H. **Prog Brain Res** 1987; 71:75–88

Role of fast axonal transport in regeneration of goldfish optic axons. Grafstein B, et al. **Prog Brain Res** 1987;71:113–20

Transmitter circuits in the vertebrate retina. Massey SC, et al. **Prog Neurobiol** 1987;28(1):55–96 (305 ref.)

The Sharpey–Schafer lecture. Ion channels and signal processing in the outer retina. Attwell D. **Q J Exp Physiol** 1986 Oct;71(4):497–536

Synapses that compute motion. Poggio T, et al. **Sci Am** 1987 May;256(5):46–52

Effects of some Ca2+ blockers on receptor potentials of crayfish retina. Cai HR, et al. **Sci Sin [B]** 1986 Mar; 29(3):273–81

Formation of retinal ganglion cell topography during prenatal development. Lia B, et al. **Science** 1987 May 15; 236(4803):848–51

Local retinal regions control local eye growth and myopia. Wallman J, et al. **Science** 1987 Jul 3;237(4810):73–7

Response properties of C–type horizontal cells in the retina of the bowfin. Gottesman J, et al. **Vision Res** 1987; 27(2):179–89

Photoreceptor input and temporal summation in turtle retinal ganglion cells. Granda AM, et al. **Vision Res** 1986; 26(10):1667–76

The projection of the visual field upon the retina of the pigeon. Hayes BP, et al. **Vision Res** 1987;27(1):31–40

Mechanisms of azide induced increases in the c–wave and standing potential of the intact cat eye. Linsenmeier RA, et al. **Vision Res** 1987;27(1):1–8

Spatio–temporal vision of macaques with severe loss of P beta retinal ganglion cells. Merigan WH, et al. **Vision Res** 1986;26(11):1751–61

Optokinetic nystagmus: the effects of stationary edges, alone and in combination with central occlusion. Murasugi CM, et al. **Vision Res** 1986;26(7):1155–62

Physiological and morphological differences between On– and Off–center bipolar cells in the vertebrate retina. Saito T. **Vision Res** 1987;27(2):135–42 (63 ref.)

Flicker adaptation in the peripheral retina. Schieting S, et al. **Vision Res** 1987;27(2):277–84

The central visual system. Schiller PH. **Vision Res** 1986; 26(9):1351–86 (317 ref.)

Retrospective review of retinal circuitry. Tomita T. **Vision Res** 1986;26(9):1339–50 (81 ref.)

Changes in response waveform of retinal horizontal cells during dark and light adaptation. Wu SM. **Vision Res** 1987; 27(2):143–50

[Preparation of the isolated retina of Rana nigromaculata and determination of the photosensitivity of rhodopsin in situ] Qian HH, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):139–48 (Eng. Abstr.) **(Chi)**

[Phase characteristics of responses to sinusoidal light stimulation in LGN and retinal ganglion cells of cat] Zhang YH, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):357–66 (Eng. Abstr.) **(Chi)**

[Hypothermia and tonometric and electrophysiologic changes] Salgado M, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:355–8 **(Fre)**

[Paradoxical results of the retinometry using helium–neon laser interferometry] Schraub M, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):725–9 (Eng. Abstr.) **(Fre)**

[Retinal afferents of hypothalamic origin in a prosimian primate: Microcebus murinus. Study using retrograde fluorescent tracers] Bons N, et al. **C R Acad Sci [III]** 1986; 303(17):719–22 (Eng. Abstr.) **(Fre)**

[Study of spatial function using the contrast sensitivity function. Cases of presbyopic subjects fitted with progressive glasses] Monot A, et al. **J Fr Ophtalmol** 1986; 9(3):199–209 (Eng. Abstr.) **(Fre)**

[Retinal temperature stabilization based on choroid circulation] Birngruber R, et al. **Fortschr Ophthalmol** 1987; 84(1):92–5 (Eng. Abstr.) **(Ger)**

[Independence of amplitudes, latency and spike behavior of retinal summation potentials] Schneider T, et al. **Fortschr Ophthalmol** 1986;83(6):702–5 (Eng. Abstr.) **(Ger)**

[Variability of VEPs to the stimulation of retinal disparity in the central and occipital zones] Itoh C. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1564–73 (Eng. Abstr.) **(Jpn)**

[Clinical application of time–dependent perimetry (2). Inequality of the retinal function] Miyakawa N, et al. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1044–8 (Eng. Abstr.) **(Jpn)**

[Clinical application of time–dependent perimetry (3). Aging of retinal function] Miyakawa N, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1550–6 (Eng. Abstr.) **(Jpn)**

[Increment of the amplitude of human photopic ERG during light adaptation] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Aug;90(8):1102–9 (Eng. Abstr.) **(Jpn)**

[Critical flicker fusion frequency in man during exposure to noise] Dantsig IN, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr;21(2):62–6 (Eng. Abstr.) **(Rus)**

[Chromatic component of the frog electroretinogram] Zimachev MM, et al. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec; 36(6):1100–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effect of scleral buckling on vector forces caused by epiretinal membranes. Michels RG, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):449–51

Computerized visual field and choroidal malignant melanoma. Debbi S, et al. **Ann Ophthalmol** 1987 Jun; 19(6):231–5

Suppression and retinal correspondence in intermittent exotropia. Cooper J, et al. **Br J Ophthalmol** 1986 Sep; 70(9):673–6

Retinal dysfunction in central serous retinopathy. Chuang EL, et al. **Eye** 1987;1 (Pt 1):120–5

The rat electroretinogram in combined zinc and vitamin A deficiency. Kraft SP, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):975–84

Non–linearities in the focal ERG evoked by pattern and uniform–field stimulation. Their variation in retinal and optic nerve dysfunction. Porciatti V. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1306–13

Ganzfeld electroretinographic findings in parkinsonism: untreated patients and the effect of levodopa intravenous infusion. Jaffe MJ, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):847–52

Visual evoked cortical potentials and pattern electroretinograms in Parkinson's disease and control subjects. Nightingale S, et al. **J Neurol Neurosurg Psychiatry** 1986 Nov;49(11):1280–7

Oscillatory potentials and pattern electroretinogram: are they related? Litao RE, et al. **Jpn J Ophthalmol** 1986;30(4):402–8

Decreased nocturnal plasma melatonin peak in patients with a functional alteration of the retina in relation with uveitis. Touitou Y, et al. **Neurosci Lett** 1986 Sep 25;70(1):170–4

Two simple calculating schemes for use in ophthalmic optics—II. Tracing axial pencils through systems including astigmatic surfaces at random axes. Bennett AG. **Ophthalmic Physiol Opt** 1986;6(4):419–29

Vitreoretinal changes associated with rise in intraocular pressure after Nd:YAG capsulotomy. Schubert HD. **Ophthalmic Surg** 1987 Jan;18(1):19–22

Electroretinographic findings in the mucopolysaccharidoses. Caruso RC, et al. **Ophthalmology** 1986 Dec;93(12):1612–6

Retinal and neurologic findings in the Laurence–Moon–Bardet–Biedl phenotype. Rizzo JF 3d, et al. **Ophthalmology** 1986 Nov;93(11):1452–6

Flicker masking and developmental dyslexia. Smith AT, et al. **Perception** 1986;15(4):473–82

[Retinal function following panretinal laser coagulation in diabetic retinopathy—dependence on the size and density of coagulation spots] Seiberth V, et al. **Fortschr Ophthalmol** 1986;83(4):462–6 (Eng. Abstr.) **(Ger)**

[The exact site of nerve fiber equivalent lines in the visual field] Weber J, et al. **Fortschr Ophthalmol** 1987;84(1):101–3 (Eng. Abstr.) **(Ger)**

[Electrophysiological studies, ERG and VEP, in the diagnosis of damage of the visual pathways in patients with multiple sclerosis. II] Bednorz–Rduchowa E. **Klin Oczna** 1986 Dec;88(12):417–9 (Eng. Abstr.) **(Pol)**

[Electrophysiological studies, ERG and VEP, in the diagnosis of damage of the visual pathways in patients with multiple sclerosis. I] Bednorz–Rduchowa E. **Klin Oczna** 1986 Dec;88(12):414–6 (Eng. Abstr.) **(Pol)**

[Experimental studies of the electric activity of the retina in ocular siderosis caused by an orbital foreign body] Gerkowicz K, et al. **Klin Oczna** 1986 Jun;88(6):192–3 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Effects of ionizing radiation on retinoblastoma and on the normal ocular fundus in infants. A photographic and fluorescein angiographic study. Ehlers N, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1987;181:3–84

Temperature–dependent light damage to the retina. Rinkoff J, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):452–62

Development of a congenic strain of pigmented and albino rats for light damage studies. LaVail MM, et al. **Exp Eye Res** 1986 Nov;43(5):867–9

Cyclic light intensity threshold for retinal damage in albino rats raised under 6 lx. Semple–Rowland SL, et al. **Exp Eye Res** 1987 May;44(5):643–61

An in–vitro study of irradiated vitreo–retinal membranes. Chakravarthy U, et al. **Eye** 1987;1 (Pt 1):126–35

The effect of long–term irradiation with fluorescent light on the rat fundus. Koch F, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):226–34

Measurement of blue–light effective radiance of welding arcs. Okuno T. **Ind Health** 1986;24(4):213–26

Yellow–dyed soft contact lens to reduce ultraviolet light absorption in aphakic patients [letter] Lazarus M, et al. **Med J Aust** 1987 Feb 16;146(4):226–7

Ultrastructural retinal changes after irradiation with fast neutrons. Heine U, et al. **Ophthalmic Res** 1987;19(2):76–81

Degree of light damage to the retina varies with time of day of bright light exposure. White MP, et al. **Physiol Behav** 1987;39(5):607–13

Effects of heavy ions on rabbit tissues: induction of DNA strand breaks in retinal photoreceptor cells by high doses of radiation. Lett JT, et al. **Radiat Environ Biophys** 1987; 26(1):23–36

Retinal dysplasia and progressive atrophy in dogs irradiated during ocular development. Schweitzer DJ, et al. **Radiat Res** 1987 Aug;111(2):340–53

[Light–induced retinal injury] Leino M. **Duodecim** 1987; 103(4):201–7 (47 ref.) **(Fin)**

[Radiation retinopathy after brain irradiation for a bone marrow graft] Binaghi M, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):279–83 **(Fre)**

[Experimental morphologic studies of the retina of the goldfish (Carassius auratus L.) after prolonged exposure to light and darkness] Micali A, et al. **Arch Ital Anat Embriol** 1986 Apr–Jun;91(2):125–46 (Eng. Abstr.) **(Ita)**

[Optimal parameters of experimental krypton laser radiation on the tissues of the fundus oculi] Linnik LA, et al. **Oftalmol Zh** 1986;(4):216–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Retinotopic organization of human visual cortex mapped with positron–emission tomography. Fox PT, et al. **J Neurosci** 1987 Mar;7(3):913–22

SURGERY

Cannulated subretinal fluid aspirator for vitreoretinal microsurgery. Flynn HW Jr, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):106–8

Noncontact retinal photocoagulation at the slit-lamp biomicroscope. Whitacre MM. **Am J Ophthalmol** 1987 Sep 15;104(3):290–3

Combined pars plana vitrectomy and retinal surgery in massive periretinal proliferation. Treister G, et al. **Ann Ophthalmol** 1983 Jul;15(7):670–1, 674–5

Titanium retinal tacks with pneumatic insertion. Histologic evaluation in rabbits. Burke JM, et al. **Arch Ophthalmol** 1987 Mar;105(3):404–8

New instrumentation and technique for epiretinal surgery. Gonvers M. **Arch Ophthalmol** 1987 Sep;105(9):1292–3

Vitreoretinal dissection set. Jabbour NM, et al. **Arch Ophthalmol** 1986 Oct;104(10):1552–3

Modified vitreoretinal forceps for membrane peeling. Poliner LS, et al. **Arch Ophthalmol** 1987 Jul;105(7):1000

Semiconductor laser endophotocoagulation of the retina. Puliafito CA, et al. **Arch Ophthalmol** 1987 Mar;105(3):424–7

New instrument for vitreoretinal membrane surgery. Tolentino FI, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1711–3

The effect of regional retinal photocoagulation on vitreal oxygen tension. Alder VA, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1078–85

Transplantation of cultured rabbit retinal epithelium to rabbit retina using a closed-eye method. Lopez R, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1131–7

Recovery of the electroretinogram in rabbits after argon laser photocoagulation. Schechner R, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1605–13

Contact laser for transscleral photocoagulation. Federman JL, et al. **Ophthalmic Surg** 1987 Mar;18(3):183–4

Transconjunctival anterior retinal cryotherapy for proliferative diabetic retinopathy. Benedett R, et al. **Ophthalmology** 1987 Jun;94(6):612–9

Pneumatic retinopexy. A collaborative report of the first 100 cases. Hilton GF, et al. **Ophthalmology** 1987 Apr; 94(4):307–14

The fat adherence syndrome and strabismus after retina surgery [letter] Kaushik NC. **Ophthalmology** 1987 Jan; 94(1):90–1

The management of subretinal gas following attempted pneumatic retinal reattachment. McDonald HR, et al. **Ophthalmology** 1987 Apr;94(4):319–26

New retinal detachment after pneumatic retinopexy. Poliner LS, et al. **Ophthalmology** 1987 Apr;94(4):315–8

A clinicopathologic study of dye laser photocoagulation on primate retina. Borges JM, et al. **Retina** 1987 Spring; 7(1):46–57

[ERG in proliferative diabetic retinopathy after photocoagulation] Li XX. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):140–2 (Eng. Abstr.) **(Chi)**

[Endocoagulation in vitreous and retinal surgery] Smečka Z, et al. **Cesk Oftalmol** 1986 Nov;42(6):401–6 (Eng. Abstr.) **(Cze)**

[Possibilities in vitreous body and retinal surgery] Laatikainen L. **Duodecim** 1986;102(18):1301–7 **(Fin)**

[Electroretinographic and fluorophotometric studies after photosection using the YAG laser] Benoist d'Azy A, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:158–61 **(Fre)**

[Results of panretinal photocoagulation in preproliferative and proliferative ischemic diabetic retinopathy: apropos of 235 eyes followed for 6 months to 8 years] Annonier MP, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1363–6 **(Fre)**

[Use of the probe for intraocular photocoagulation] Calvet JM, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1559–60 **(Fre)**

[Panretinal photocoagulation and proliferative diabetic retinopathy. Results of a long-term prospective study (2d report)] Chaine G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1369–72 **(Fre)**

[Anatomic limitations of photocoagulation in ischemic diabetic retinopathy] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1283–5 (Eng. Abstr.) **(Fre)**

[Treatment of peripheral retinoschisis in sex-linked juvenile retinoschisis] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1331–2, 1334 (Eng. Abstr.) **(Fre)**

[Surgery of macular epiretinal membranes on flat retina] Gaudric A, et al. **Bull Soc Ophtalmol Fr** 1987 May; 87(5):571–4 **(Fre)**

[Indications for argon laser treatment of diabetic ischemic retinopathy] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Nov; 86(11):1375–6 **(Fre)**

[Technic and initial results of wide retinotomy in detachment caused by retinovitreous retraction] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):259–60 **(Fre)**

[A plea for endoscopy in various retino-vitreous operations] Lecoq PJ, et al. **Bull Soc Ophtalmol Fr** 1987 May; 87(5):575–6 (Eng. Abstr.) **(Fre)**

[A familial case of lattice degeneration. Comments on the argon laser barrage technic] Limon S, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1353–5 **(Fre)**

[Systematic argon laser cerclage on the opposite eye after idiopathic retinal detachment?] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1339–41 **(Fre)**

[Trial treatment of degenerative lesions of the retinal periphery using argon laser squaring] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1343–5 (Eng. Abstr.) **(Fre)**

[Separation of epiretinal membranes from the subjacent retinal plane] Sourdille P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):779–80 **(Fre)**

[Macular epi-retinal membranes. Apropos of 14 surgically treated cases] Trepsat C, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1315–8 (Eng. Abstr.) **(Fre)**

[Limitations of argon laser photocoagulation in the preventive treatment of retinal detachment] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1307–11 **(Fre)**

[Retinal incarceration: clinical signs and technic of disincarceration] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):623–4, 626 (Eng. Abstr.) **(Fre)**

[Cryotherapy of the retina and ciliary body—synchronous intra- and extraocular temperature measurements] Zirm M, et al. **Fortschr Ophthalmol** 1987;84(2):193–6 (Eng. Abstr.) **(Ger)**

[Active immobilization of the eyeball, an ancillary and effective method in surgery for reattaching detached retinas] Vicea I. **Rev Chir [Oftalmol]** 1986 Oct–Dec; 30(4):283–6 **(Rum)**

[Argon laser coagulation of the retina in optic neuritis] Bochkareva AA, et al. **Oftalmol Zh** 1986;(4):198–9 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Transplantation of retina and visual cortex to rat brains of different ages. Maturation, connection patterns, and immunological consequences. Lund RD, et al. **Ann NY Acad Sci** 1987;495:227–41

Specific target-directed axonal outgrowth from transplanted embryonic rodent retinae into neonatal rat superior colliculus. Hankin MH, et al. **Brain Res** 1987 Apr 7; 408(1–2):344–8

Target regions enhance the outgrowth and survival of ganglion cells in embryonic retina transplanted to cerebral cortex in neonatal rats. Sefton AJ, et al. **Brain Res** 1987 May;430(1):145–9

Cryopreservation of fetal rat brain tissue later used for intracerebral transplantation. Jensen S, et al. **Cryobiology** 1987 Apr;24(2):120–34

Retinal transplants into the anterior chamber of the rat eye. del Cerro M, et al. **Neuroscience** 1987 Jun;21(3):707–23

ULTRASTRUCTURE

Retinal epithelial fine structure in the grey seal (Halichoerus grypus). Braekevelt CR. **Acta Anat (Basel)** 1986; 127(4):255–61

Neuronal and synaptic organization of the outer plexiform layer of the pigeon retina. Mariani AP. **Am J Anat** 1987 May;179(1):25–39

Ultrastructural characteristics of preretinal membranes from human eyes filled with silicone oil. Bornfeld N, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):770–5

Ultrastructural characteristics of proliferative tissue in retinopathy of prematurity. de Juan E, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):149–56

A retinal heat shock protein is associated with elements of the cytoskeleton and binds to calmodulin. Clark BD, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):974–81

Histopathology of mitochondrial cytopathy and the Laurence–Moon–Biedl syndrome. Runge P, et al. **Br J Ophthalmol** 1986 Oct;70(10):782–96

Differentiated retinal Müller glia are ciliated—ultrastructural evidence in the teleost Poecilia reticulata P. Ennis S, et al. **Cell Biol Int Rep** 1986 Aug;10(8):611–22

An ultrastructural study of embryonic chick retinal neurons in culture. Bird MM. **Cell Tissue Res** 1986;245(3):563–77

The role of laminin and the laminin/fibronectin receptor complex in the outgrowth of retinal ganglion cell axons. Cohen J, et al. **Dev Biol** 1987 Aug;122(2):407–18

Investigations on circumferential microfilament bundles in rat retinal pigment epithelium. Gordon SR, et al. **Eur J Cell Biol** 1987 Aug;44(1):97–104

The morphology of retinogeniculate X- and Y-cell axonal arbors in dark-reared cats. Garraghty PE, et al. **Exp Brain Res** 1987;66(1):115–27

Breakdown of the outer blood–retinal barrier in experimental commotio retinae. Bunt-Milam AH, et al. **Exp Eye Res** 1986 Sep;43(3):397–412

Ultrastructural localization of lectin receptors in the monkey retinal photoreceptors and pigment epithelium: application of lectin–gold complexes on thin sections. Koide H, et al. **Exp Eye Res** 1986 Sep;43(3):343–54

Retinal morphology in rats treated with a taurine transport antagonist. Lake N, et al. **Exp Eye Res** 1987 Mar; 44(3):331–46

Anatomy of the mouse retina. Capillary basement membrane thickness. Cuthbertson RA, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1653–8

Progressive retinal atrophy in the Abyssinian cat. Electron microscopy. Narfström K, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1569–76

Ordered transmembrane and extracellular structure in squid photoreceptor microvilli. Saibil H, et al. **J Cell Biol** 1987 Jul;105(1):19–28

Identification of a subtype of cone photoreceptor, likely to be blue sensitive, in the human retina. Ahnelt PK, et al. **J Comp Neurol** 1987 Jan 1;255(1):18–34

Structural features of the terminal loop region of frog retinal rod outer segment disk membranes: II. Organization of the terminal loop complex. Corless JM, et al. **J Comp Neurol** 1987 Mar 1;257(1):9–23

Synaptic circuits involving an individual retinogeniculate axon in the cat [published erratum appears in J Comp Neurol 1987 Jun 15;260(3):481] Hamos JE, et al. **J Comp Neurol** 1987 May 8;259(2):165–92

Synapses of cone horizontal cell axons in goldfish retina. Marshak DW, et al. **J Comp Neurol** 1987 Feb 15; 256(3):430–43

Comparative study of a new ultrastructural specialization of the mammalian retinal pigment epithelium: basal intracytoplasmic tubules. Korte GE, et al. **J Morphol** 1986 Dec;190(3):319–24

Electron microscopy of glutamate decarboxylase (GAD) immunoreactivity in the inner plexiform layer of the rhesus monkey retina. Mariani AP, et al. **J Neurocytol** 1986 Oct; 15(5):645–55

Substance P-immunoreactive retinal ganglion cells and their central axon terminals in the rabbit. Brecha N, et al. **Nature** 1987 May 14–20;327(6118):155–8

Hexamethyldisilazane in preparation of retinal tissue for scanning electron microscopy. Heegaard S, et al. **Ophthalmic Res** 1986;18(4):203–8

Matrix effects in secondary ion mass spectrometric analysis of biological tissue. Burns MS, et al. **Scan Electron Microsc** 1986;(Pt 4):1277–90

Scanning electron microscopic analysis of intraocular ossification in advanced retinal disease. Allen CB, et al. **Scanning Microsc** 1987 Mar;1(1):233–9

[Studies on the ultrastructure of the vitreoretinal border layer. 2. Deep-etching freeze-fracture replication studies on the inner limiting membrane of the cynomolgus monkey] Katayama S. **Nippon Ganka Gakkai Zasshi** 1986 Oct; 90(10):1255–63 (Eng. Abstr.) **(Jpn)**

[A comparative study of the effects of photocoagulation with krypton lasers in the parfocal or defocal systems] Katoh N, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec; 90(12):1436–47 (Eng. Abstr.) **(Jpn)**

[Axoplasmic ultrastructure of axon in retinal nerve fiber layer—a deep-etching study] Matsuoka T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Sep;90(9):1143–51 (Eng. Abstr.) **(Jpn)**

RETINAL ARTERY

Branch retinal artery occlusion after dye yellow photocoagulation of an arterial macroaneurysm. Russell SR, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):186–7

Disappearance of myelinated retinal nerve fibers after a branch retinal artery occlusion. Teich SA. **Am J Ophthalmol** 1987 Jun 15;103(6):835–7

Branch retinal artery occlusion and carotid artery stenosis. Oshinskie L. **Am J Optom Physiol Opt** 1987 Feb; 64(2):144–9

Simultaneous bilateral central retinal arterial occlusion in a patient with Sneddon syndrome: case history. Pauranik A, et al. **Angiology** 1987 Feb;38(2 Pt 1):158–63

Segmental retinal periarteritis with branch arterial occlusion. Kayazawa F, et al. **Ann Ophthalmol** 1983 Jun;15(6):584–6

The idling retina: reversible visual loss in central retinal artery obstruction. Perkins SA, et al. **Ann Ophthalmol** 1987 Jan;19(1):3–6

Optic neuropathy and central retinal artery occlusion in a case of herpes zoster ophthalmicus. Scharf Y, et al. **Ann Ophthalmol** 1987 Feb;19(2):77–8

Mitral valve prolapse and retinal infarction. Hopkins A, et al. **Aust N Z J Ophthalmol** 1987 Feb;15(1):79–82

Development of an isolated retinal macroaneurysm of the cilioretinal artery. Giuffrè G, et al. **Br J Ophthalmol** 1987 Jun;71(6):445–8

Occlusion of a branch of the central retinal artery by a corpus alienum as a rare complication of the carotid arteriography. Beiter G, et al. **Dev Ophthalmol** 1987;13:147–50

Sudden painless vision loss and retinal artery occlusion. Sidorov JE. **Hosp Pract [Off]** 1987 May 30;22(5A):97, 100–2

Central retinal artery occlusion with an irido-embolus following carotid endarterectomy. Etre JM, et al. **J Am Optom Assoc** 1987 May;58(5):419–22

Facioscapulohumeral dystrophy associated with mental retardation, hearing loss, and tortuosity of retinal arterioles. Matsuzaka T, et al. **J Child Neurol** 1986 Jul;1(3):218–23

A case of sudden retinal artery occlusion and blindness in pregnancy. LaMonica CB, et al. **Obstet Gynecol** 1987 Mar; 69(3 Pt 2):433–5

Central retinal artery occlusion. Wesley RE, et al. **Ophthalmic Surg** 1987 Feb;18(2):123–5

Acute obstruction of the retinal and choroidal circulations. Brown GC, et al. **Ophthalmology** 1986 Nov;93(11):1373–82

Idiopathic recurrent branch retinal arterial occlusion. Gass JD, et al. **Ophthalmology** 1986 Sep;93(9):1148–57

The diagnoses most commonly missed by ophthalmologists referring patients for fluorescein angiography. Irvine AR. **Ophthalmology** 1986 Sep;93(9):1216–21

Central retinal artery occlusion in association with osteogenesis imperfecta. Bradish CF, et al. **Spine** 1987 Mar; 12(2):193–4

Differentiation between acute ophthalmic and central retinal artery obstructions. Brown GC, et al.

Trans Pa Acad Ophthalmol Otolaryngol 1986;38(2):483–7
The idling retina: reversible visual loss in central retinal artery obstruction. Magargal LE, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1986;38(1):324–9
[Arterial retinal vascular disorders] De Laey JJ.
Bull Soc Belge Ophtalmol 1986;217:155–70 **(Fre)**
[Occlusion of the central vein and artery of the retina caused by infiltration of the optic nerve in lymphoblastic acute leukemia] Badelon I, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):261–4 **(Fre)**
[Occlusions of the central vein of retina with occlusion of a cilio–retinal artery. Apropos of 7 cases] Glacet–Bernard A, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):605–7 **(Fre)**
[Ciliary and retinal occlusion following local retrobulbar anesthesia with orbital compression (2 cases)] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):865–6, 868 (Eng. Abstr.) **(Fre)**
[Bioclinical conference in pneumology. Hôpital Laënnec. Case n. 5—March 1985. Association of retinal thrombosis and pulmonary opacities in a female asthmatic patient] Duroux P, et al. **Rev Pneumol Clin** 1986;42(6):306–9 **(Fre)**
[Retinal artery obstruction in young patients (editorial)] Lusky M, et al. **Harefuah** 1986 Oct;111(7–8):207 **(Heb)**
[Changes in arm–retina circulation time in vascular diseases treated with mesoglycan] Guerra R, et al.
Minerva Med 1986 Oct 27;77(41):1937–42 **(Ita)**
[A case of ischemic oculopathy due to bilateral occlusion of the internal carotid artery] Shigematsu K, et al.
Rinsho Shinkeigaku 1986 Oct;26(10):1062–7 (Eng. Abstr.) **(Jpn)**
[Occlusive diseases of the carotid arteries in the pathogenesis of acute arterial pathology of the retina] Shul'pina NB, et al. **Vestn Oftalmol** 1986 Jul–Aug;102(4):45–8 (Eng. Abstr.) **(Rus)**
[Obstruction of the central artery of the retina in Wegener's granulomatosis (letter)] Artero Mora A, et al.
Med Clin (Barc) 1986 Nov 22;87(17):736–7 **(Spa)**

ABNORMALITIES

Familial prepapillary vascular loops. Grossniklaus H, et al. **Arch Ophthalmol** 1986 Dec;104(12):1755–6
[Extreme tortuosity of the small retinal arteries] Pau H.
Klin Monatsbl Augenheilkd 1987 Jun;190(6):517–8 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Observation of orbital ocular vascular architecture using plastic casts. Wang L, et al. **Chin Med J [Engl]** 1986 Aug; 99(8):645–52
[Branching of the central retinal artery in the Chinese] He AW. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):358–9 (Eng. Abstr.) **(Chi)**
[The central retinal artery of the white laboratory mouse] Maurer H, et al. **Anat Anz** 1986;162(4):233–40 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The response of retinal vasculature to angiotensin. Rockwood EJ, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):676–82

PATHOLOGY

Retinal microaneurysm counts in diabetic retinopathy: colour photography versus fluorescein angiography. Friberg TR, et al. **Can J Ophthalmol** 1987 Jun;22(4):226–9

PHYSIOLOGY

The width of the light reflex on retinal arteries and veins. Brinchmann–Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):433–8
The intensity of the light reflex on retinal arteries and veins. Brinchmann–Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):547–52
The light reflex on retinal arteries and veins. A theoretical study and a new technique for measuring width and intensity profiles across retinal vessels.
Brinchmann–Hansen O.
Acta Ophthalmol [Suppl] (Copenh) 1986;179:1–53

RADIOGRAPHY

The carotid and the eye: correlations using digital substraction angiography. Hedges TR, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1986;38(1):296–8

RETINAL BREAKS see **RETINAL PERFORATIONS**

RETINAL DEGENERATION

Retinal pigment epitheliopathy and neuroretinal degeneration in ascarid–infected eyes. John T, et al.
Invest Ophthalmol Vis Sci 1987 Sep;28(9):1583–98

CHEMICALLY INDUCED

Retinal degeneration in the mouse. A model induced transplacentally by methylnitrosourea. Smith SB, et al.
Exp Eye Res 1986 Nov;43(5):791–801
[Changes induced by zinc and docosahexenoic acid in acute NaIO3 poisoning] Scorolli L, et al.
Bull Mem Soc Fr Ophtalmol 1986;97:312–8 **(Fre)**
[Effect of alpha–tocopherol on the development of experimental toxic tabetoretinal dystrophy] Kryzhanovskiĭ GN, et al. **Oftalmol Zh** 1986;(6):366–8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Bietti's tapetoretinal degeneration with marginal corneal dystrophy (crystalline retinopathy): case report. Harrison RJ, et al. **Br J Ophthalmol** 1987 Mar;71(3):220–3
Familial apoceruloplasmin deficiency associated with blepharospasm and retinal degeneration. Miyajima H, et al. **Neurology** 1987 May;37(5):761–7
[Retinal periphery of the myope. Study of the effect of the degree of myopia on the frequency of degenerative retino–vitreous lesions] Ducasse A, et al.
Bull Mem Soc Fr Ophtalmol 1986;97:128–33 **(Fre)**
[Value of the investigation of retinal lesions in total congenital deafness] Costet C, et al.
Bull Soc Ophtalmol Fr 1985 Dec;85(12):1339–40, 1345 (Eng. Abstr.) **(Fre)**

CONGENITAL

Tapetoretinal degeneration associated with multisystem abnormalities. A case report. Liberfarb RM, et al.
Ophthalmic Paediatr Genet 1986 Dec;7(3):151–8

DIAGNOSIS

Crystalline retinopathy. Traboulsi EI, et al.
Ann Ophthalmol 1987 Apr;19(4):156–8
Warburg (HARD +/– E) syndrome without retinal dysplasia: case report and review. Attia MF, et al.
Br J Ophthalmol 1986 Oct;70(10):742–7
[Centro–peripheral retinal dystrophy. A form of "primary" degenerative maculopathy] Bisantis C.
Bull Mem Soc Fr Ophtalmol 1986;97:309–11 **(Fre)**
[Multifocal vitelliform degeneration. Clinical and etiopathogenetic considerations] Gastaud P, et al.
Bull Mem Soc Fr Ophtalmol 1986;97:285–9 **(Fre)**
[Differential diagnosis of early onset tapetoretinal degenerations using retinal functional diagnosis] Schneider T, et al. **Fortschr Ophthalmol** 1987;84(3):292–7 (Eng. Abstr.) **(Ger)**
[Electrophysiological studies, ERG and VEP, in the diagnosis of damage of the visual pathways in patients with multiple sclerosis. II] Bednorz–Rduchowa E.
Klin Oczna 1986 Dec;88(12):417–9 (Eng. Abstr.) **(Pol)**
[Fluorescein angiography of degenerative retinitis punctata albescens with a background of other retinal degenerations] Bryk E. **Klin Oczna** 1986 Jul;88(7):258–60 (Eng. Abstr.) **(Pol)**
[Possibilities of the color stress test in the early diagnosis and evaluation of the effectiveness of treatment of arteriosclerotic retinal dystrophies] Trushko IA.
Oftalmol Zh 1986;(4):229–31 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Strain differences in sensitivity to light–induced photoreceptor degeneration in albino mice. LaVail MM, et al. **Curr Eye Res** 1987 Jun;6(6):825–34
Primary retinopathy in scrapie in mice deprived of light. Foster JD, et al. **Neurosci Lett** 1986 Dec 3;72(1):111–4
Replication of scrapie prions in hamster eyes precedes retinal degeneration. Hogan RN, et al. **Ophthalmic Res** 1986; 18(4):230–5
Localized chorioretinal degeneration in patients receiving hemodialysis. Kitaoka M, et al. **Ophthalmologica** 1986; 193(4):200–6
Retinal dysplasia and progressive atrophy in dogs irradiated during ocular development. Schweitzer DJ, et al.
Radiat Res 1987 Aug;111(2):340–53
Development and degeneration of retina in rds mutant mice: effects of light on the rate of degeneration in albino and pigmented homozygous and heterozygous mutant and normal mice. Sanyal S, et al. **Vision Res** 1986;26(8):1177–85
[Refractive errors and peripheral retinal degeneration] Guo XR. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):145–7 (Eng. Abstr.) **(Chi)**
[Vascular and rhegmatogenous peripheral retinal changes in essential systemic arterial hypertension] Menchini U, et al.
J Fr Ophtalmol 1986;9(6–7):435–9 (Eng. Abstr.) **(Fre)**
[Ocular hypotonia and retinal injuries in Steinert disease. Angiographic aspects] Raby O, et al. **J Fr Ophtalmol** 1986; 9(8–9):543–52 (Eng. Abstr.) **(Fre)**
[Morphologic changes in the retina experimentally induced by noradrenaline and combined exposure to noradrenaline and light of moderate intensity] Smoliakova GP, et al.
Vestn Oftalmol 1986 Sep–Oct;102(5):43–6 (Eng. Abstr.) **(Rus)**
[Paraneoplastic retinal degeneration (letter)] Vargas Núñez JA, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):431 **(Spa)**

FAMILIAL & GENETIC

Hereditary progressive dystonia with marked diurnal fluctuation in a family with pigmentary retinopathy. Torelli D, et al. **Acta Neurol (Napoli)** 1986 Dec;8(6):626–32
Pericentral retinal dystrophy. Grøndahl J.
Acta Ophthalmol (Copenh) 1987 Jun;65(3):344–51
Retinal degeneration with nanophthalmos, cystic macular degeneration, and angle closure glaucoma. A new recessive syndrome. MacKay CJ, et al. **Arch Ophthalmol** 1987 Mar; 105(3):366–71
Investigation of gyrate atrophy using a cDNA clone for human ornithine aminotransferase. Ramesh V, et al.
DNA 1986 Dec;5(6):493–501
Absence of an inherited retinal degeneration in the WAG/Rij rat. LaVail MM, et al. **Exp Eye Res** 1987 Mar;44(3):465–9
Choroideremia: further evidence for assignment of the locus to Xq13–Xq21. Schwartz M, et al. **Hum Genet** 1986 Dec; 74(4):449–52
Nomarski evaluation of rod outer segment renewal in a hereditary retinal degeneration. Comparison with autoradiographic evaluation. Aguirre G, et al.
Invest Ophthalmol Vis Sci 1987 Jul;28(7):1049–58
Rod ERGs in children with hereditary retinal degeneration. Birch DG, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct;23(5):227–32
Retinal cone dysfunction and mental retardation associated with a de novo balanced translocation 1;6(q44;q27). Tranebjaerg L, et al. **Ophthalmic Paediatr Genet** 1986 Dec; 7(3):167–73
Isolation of anonymous DNA sequences from within a submicroscopic X chromosomal deletion in a patient with choroideremia, deafness, and mental retardation. Nussbaum RL, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6521–5
[Chorioretinal degeneration and primary familial microcephaly] Saudax E, et al.
Bull Mem Soc Fr Ophtalmol 1986;97:247–52 **(Fre)**
[Heredity in frosted degeneration. Preliminary results] Bec P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1359–62 **(Fre)**
[Treatment of peripheral retinoschisis in sex–linked juvenile retinoschisis] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1331–2, 1334 (Eng. Abstr.) **(Fre)**
[A familial case of lattice degeneration. Comments on the argon laser barrage technic] Limon S, et al.
Bull Soc Ophtalmol Fr 1986 Nov;86(11):1353–5 **(Fre)**
[Sex–linked juvenile retinoschisis. Study of a family over 3 generations] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1327–30 **(Fre)**
[Hereditary peripheral chorioretinal dysplasia] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1325–6 **(Fre)**
[Limitation of retinal function in carriers of choroideremia] Zrenner E, et al. **Fortschr Ophthalmol** 1986;83(5):602–8 (Eng. Abstr.) **(Ger)**
[Hereditary retinal abiotrophy in monozygotic twins with diabetes mellitus] Babadzhanova GIu, et al.
Probl Endokrinol (Mosk) 1986 Nov–Dec;32(6):33–5 **(Rus)**

IMMUNOLOGY

Monoclonal autoantibodies from rats with inherited retinal dystrophy. Reid DM, et al. **J Clin Lab Immunol** 1986 Dec; 21(4):165–8

METABOLISM

Search for Fc and C3b receptors on black–eyed RCS rat RPE cells. Eckhert CD, et al. **Curr Eye Res** 1986 Dec; 5(12):911–7
Immunocytochemical localization of chondroitin sulfates in the interphotoreceptor matrix of the normal and dystrophic rat retina. Porrello K, et al. **Curr Eye Res** 1986 Dec; 5(12):981–93
Lipids of the retinal pigment epithelium in RCS dystrophic and normal rats. Batey DW, et al. **Exp Eye Res** 1986 Nov; 43(5):751–7
Development and degeneration of retina in rds mutant mice: ultraimmunohistochemical localization of opsin. Jansen HG, et al. **Exp Eye Res** 1987 Mar;44(3):347–61
Influence of early photoreceptor degeneration on lipofuscin in the retinal pigment epithelium. Katz ML, et al.
Exp Eye Res 1986 Oct;43(4):561–73
Examination of sialic acid binding on dystrophic and normal retinal pigment epithelium. McLaughlin BJ, et al.
Exp Eye Res 1987 Mar;44(3):439–50
Immunological determination of transducin content in retinas exhibiting inherited degeneration. Navon SE, et al.
Exp Eye Res 1987 Jan;44(1):115–25
The interphotoreceptor matrix in RCS rats: histochemical analysis and correlation with the rate of retinal degeneration. Porrello K, et al. **Exp Eye Res** 1986 Sep; 43(3):413–29
Opsin accumulation in photoreceptor inner segment plasma membranes of dystrophic RCS rats. Nir I, et al.
Invest Ophthalmol Vis Sci 1987 Jan;28(1):62–9
Deficiency in light–dependent opsin phosphorylation in Irish setters with rod–cone dysplasia. Schmidt SY, et al.
Invest Ophthalmol Vis Sci 1986 Nov;27(11):1551–9
An indoleamine system in photoreceptor cell terminals of the Long–Evans rat retina. Redburn DA, et al.
J Neurosci 1987 Feb;7(2):319–29
GABA concentration and GAD activity levels in normal and degenerated retinas from mice. Kato T, et al.
Neurochem Res 1987 Jun;12(6):529–35
[Histochemical and two–dimensional gel electrophoretic analysis of lectin receptors in the degenerative retina of C3H mouse] Uehara F, et al.
Nippon Ganka Gakkai Zasshi 1986 Sep;90(9):1152–8 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[Lattice degeneration. Incidence. Epidemiological aspects] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul; 86(6-7):897-900, 905 (Eng. Abstr.) (Fre)

PATHOLOGY

Histopathology of mitochondrial cytopathy and the Laurence-Moon-Biedl syndrome. Runge P, et al. **Br J Ophthalmol** 1986 Oct;70(10):782-96

Filipin and digitonin studies of cell membrane changes during junction breakdown in the dystrophic rat retinal pigment epithelium. Caldwell RB. **Curr Eye Res** 1987 Mar; 6(3):515-26

Vascular atrophy in the retinal degenerative rd mouse. Blanks JC, et al. **J Comp Neurol** 1986 Dec 22;254(4):543-53

Multiple system atrophy with retinal degeneration in a young child. Nishimura M, et al. **Neuropediatrics** 1987 May; 18(2):91-5

PHYSIOPATHOLOGY

Visual function measured by reflex modification in rats with inherited retinal dystrophy. Wecker JR, et al. **Behav Neurosci** 1986 Oct;100(5):679-84

Nerve fibre layer loss in diseases of the outer retinal layer. Newman NM, et al. **Br J Ophthalmol** 1987 Jan;71(1):21-6

Rod ERGs in retinitis pigmentosa and cone-rod degeneration. Birch DG, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):140-50

Electrophysiological studies of spontaneous retinal degeneration in celestial goldfish (chotengan). Sakaue H, et al. **Jpn J Ophthalmol** 1987;31(1):109-13

[Unilateral pigment degeneration in the retina. Electrophysiologic and angiographic study] Svěrák J, et al. **Cesk Oftalmol** 1986 Sep;42(5):336-41 (Eng. Abstr.) (Cze)

[Central retinal field and pattern-evoked retinal and cortical potentials in pigmentary retinal dystrophy] Murayama K, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):966-9 (Eng. Abstr.) (Jpn)

[Choroidal circulation in ocular contusion. III. Retinochoroidal degeneration] Ohno A. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1598-610 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

Prevention of diabetic retinal capillary pericyte degeneration and loss by pancreatic islet allograft. Chakrabarti S, et al. **Curr Eye Res** 1987 May;6(5):649-58

SURGERY

[Trial treatment of degenerative lesions of the retinal periphery using argon laser squaring] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1343-5 (Eng. Abstr.) (Fre)

[Long-term results following laser therapy in 1,000 eyes with retinal holes and degenerations] Mester U, et al. **Fortschr Ophthalmol** 1987;84(2):197-201 (Eng. Abstr.) (Ger)

THERAPY

[Experimental substantiation of the phonophoresis of RNA hydrolysate (ENKAD) and its effect on cytochemical indicators in the retina] Marmur RK, et al. **Oftalmol Zh** 1986;(4):211-6 (Eng. Abstr.) (Rus)

VETERINARY

Retinal degenerations in the dog: IV. Early retinal degeneration (erd) in Norwegian elkhounds. Acland GM, et al. **Exp Eye Res** 1987 Apr;44(4):491-521

An early-onset retinal dystrophy with dominant inheritance in the Abyssinian cat. Clinical and pathological findings. Curtis R, et al. **Invest Ophthalmol Vis Sci** 1987 Jan; 28(1):131-9

Differential effects of riboflavin and RRR-alpha-tocopheryl acetate on the survival of newborn RCS rats with inheritable retinal degeneration. Eckhert CD. **J Nutr** 1987 Jan;117(1):208-11

An electron microscopic study of retinal degeneration in Sprague-Dawley rats. Lin WL, et al. **Lab Anim Sci** 1987 Apr;37(2):180-6

Progressive retinal atrophy in the Abyssinian cat. Sarvá R. **Nord Vet Med** 1986 Nov-Dec;38(6):388-93

RETINAL DETACHMENT

see related

SCLERAL BUCKLING

[Serous detachment of the neuroepithelium: one of the limitations of photocoagulation] Van Effenterre G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1301-5 (Fre)

[Retinal detachment and pregnancy: apropos of 3 cases] Rezgui M, et al. **Tunis Med** 1987 Jan;65(1):35-9 (Eng. Abstr.) (Fre)

[Long-term experience using an intraocular silicone oil filling] Lucke K, et al. **Fortschr Ophthalmol** 1987;84(1):96-8 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis [letter] Teich SA, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):312-4

Effect of silicone oil on experimental traction retinal detachment. Lambrou FH, et al. **Arch Ophthalmol** 1987 Sep;105(9):1269-72

CLASSIFICATION

An international classification of retinopathy of prematurity. II. The classification of retinal detachment. The International Committee for the Classification of the Late Stages of Retinopathy of Prematurity. **Arch Ophthalmol** 1987 Jul;105(7):906-12

An international classification of retinopathy of prematurity. II. The classification of retinal detachment [editorial] Patz A. **Arch Ophthalmol** 1987 Jul;105(7):905

[Etiological classification of retinal detachment] Lemziakov GG. **Oftalmol Zh** 1986;(5):278-82 (126 ref.) (Eng. Abstr.) (Rus)

COMPLICATIONS

Radical vitrectomy and silicone-oil injection in the treatment of proliferative vitreoretinopathy following retinal detachment. Stilma JS, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):109-16

Optic pit and central serous detachment. Pahwa V. **Indian J Ophthalmol** 1985 May-Jun;33(3):175-6

Rip of the retinal pigment epithelium: report of an atypical case. Bottoni FG, et al. **Int Ophthalmol** 1987 Jun; 10(3):167-73

[Retinal incarceration: clinical signs and technic of disincarceration] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):623-4, 626 (Eng. Abstr.) (Fre)

[Nuclear spin tomography of morning glory syndrome with macular serous retinal detachment.] Köhler U. **Ophthalmologica** 1987;194(4):169-73 (Eng. Abstr.) (Ger)

[External hemorrhagic-exudative retinitis in children] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1986 Jun; 88(6):215-7 (Eng. Abstr.) (Pol)

CONGENITAL

The pathogenesis of retinal detachment with morning glory disc and optic pit. Irvine AR, et al. **Retina** 1986 Summer-Fall;6(3):146-50

DIAGNOSIS

Retinal detachment. A study of a population-based patient material in Sweden 1971-1981. II. Pre-operative findings. Törnquist R, et al. **Acta Ophthalmol (Copenh)** 1987 Apr; 65(2):223-30

Retinal and choroidal detachments: role of magnetic resonance imaging and computed tomography. Mafee MF, et al. **Radiol Clin North Am** 1987 May;25(3):487-507

[Serous detachment of the retinal pigment epithelium. Long-term follow-up studies] Gong HY. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):339-42 (Eng. Abstr.) (Chi)

[Atypical form of Harada's disease. Angiographic diagnosis] Pelosse B, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:237-41 (Fre)

[Natural history of serous detachments of the retinal pigment epithelium] Sahel J, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:260-4 (Fre)

[Bilateral exudative retinal detachment in a 10-week pregnant woman: diagnosis and management] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1149-56 (Fre)

[Diagnostic characteristics and the surgical procedure in posttraumatic retinal detachment] Kovalev AI, et al. **Oftalmol Zh** 1986;(5):272-5 (Eng. Abstr.) (Rus)

[Pain symptomatology in vitreo-retinal pathology] Pivovarov NN, et al. **Vestn Oftalmol** 1986 Sep-Oct; 102(5):55-7 (Eng. Abstr.) (Rus)

DRUG THERAPY

Experimental study on drug therapy of "traction retinal detachment" after posterior penetrating eye injury in the rabbit. Behrens-Baumann W, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):513-9

The treatment of giant tear detachments using retrohyaloidal perfluorocarbon gases without drainage or vitrectomy. Kreissig I, et al. **Graefes Arch Clin Exp Ophthalmol** 1987; 225(2):94-8

Management of retinal detachment without tear by topical therapy (atropine and timolol). Reguig R, et al. **Ophthalmologica** 1987;194(2-3):103-5

EMBRYOLOGY

The pathogenesis of retinal detachment with morning glory disc and optic pit. Irvine AR, et al. **Trans Am Ophthalmol Soc** 1986;84:280-92

ETIOLOGY

Vitrectomy surgery in proliferative sickle retinopathy. Morgan CM, et al. **Am J Ophthalmol** 1987 Aug 15; 104(2):133-8

Loss of vision due to central serous chorioretinopathy following psychological stress. Gelber GS, et al. **Am J Psychiatry** 1987 Jan;144(1):46-50

Retinal detachment following penetrating keratoplasty. Musch DC, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1617-20

Nanophthalmic eyes and neodymium-YAG laser iridectomies [letter] Singh OS, et al. **Arch Ophthalmol** 1987 Apr;105(4):455-6

CT demonstration of retinal detachment secondary to choroidal metastatic disease. Bellamy EA, et al. **Br J Radiol** 1985 Sep;58(693):900-2

Retinal detachment following Nd:YAG posterior capsulotomy. Ficker LA, et al. **Eye** 1987;1 (Pt 1):86-9

Development of traction retinal detachments following intravitreal injections of retinal Muller and pigment epithelial cells. Peters MA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):554-63

Types of avulsed retinal vessels associated with rhegmatogenous retinal detachment: treatment and results. Theodossiadis GP, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):185-8

Treatment of retinal detachment after penetrating injury: heavy cryotreatment of the fibrous ingrowth as an adjunct to vitreoretinal microsurgery. Bonnet M. **Ophthalmologica** 1987;194(4):164-8

Pseudophakic retinal detachments in the presence of various IOL types. Cousins S, et al. **Ophthalmology** 1986 Sep; 93(9):1198-208

Antiviral therapy with ganciclovir for cytomegalovirus retinitis and bilateral exudative retinal detachments in an immunocompromised child. Rosecan LR, et al. **Ophthalmology** 1986 Nov;93(11):1401-7

Retinal detachment after extracapsular cataract extraction with posterior chamber intraocular lens. Smith PW, et al. **Ophthalmology** 1987 May;94(5):495-504

Management of rhegmatogenous retinal detachment with macula detached. Steroids, choroidal detachment, and acuity. Valone J Jr, et al. **Ophthalmology** 1986 Nov; 93(11):1413-7

Traumatic retinal detachment--mechanisms and management. Cooling RJ. **Trans Ophthalmol Soc UK** 1986; 105 (Pt 5):575-9

[Intravitreous myiasis. Apropos of a case] Chaine G, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:40-2 (Fre)

[Pars planitis and retinal detachment] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):479-80, 483 (Fre)

[Regressive retinal detachment disclosing a polymitotic prostatic process] Duret MH, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):229-31 (Eng. Abstr.) (Fre)

[Retinal detachment and Marfan's syndrome] Evain B, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):875-82 (Eng. Abstr.) (Fre)

[Serous detachment of the macula in choroidal nevi] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):197-8, 203-6 (Eng. Abstr.) (Fre)

[Traumatic detachment of the pars plana] Fritsch D, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1015-6, 1018 (Fre)

[Retinal detachment caused by breaks of the posterior pole of the eye] Giry A, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8-9):1077-81 (Fre)

[Unrecognized choroidal melanoma: surgical treatment of secondary detachment] Haut J, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1187-9 (Fre)

[Unusual retinal aspect disclosing an inflammatory pseudotumor of the orbit] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):545-8 (Eng. Abstr.) (Fre)

[Retinal detachment caused by small tears in the equatorial region of the retina] Bonnet M, et al. **J Fr Ophtalmol** 1986; 9(10):615-24 (Eng. Abstr.) (Fre)

[Retinal detachment caused by late-stage retinopathy of prematurity] Vallat M, et al. **J Fr Ophtalmol** 1986; 9(8-9):573-82 (Eng. Abstr.) (Fre)

[Incidence of aphakic retinal detachment following intra- and extracapsular surgery] Spiegel D, et al. **Fortschr Ophthalmol** 1987;84(2):190-2 (Eng. Abstr.) (Ger)

[Retinal detachment following extracapsular cataract extraction with posterior chamber lens implantation] Schnaudigel OE, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):482-3 (Eng. Abstr.) (Ger)

[Pre-eclampsia--detachment of the normal placenta and retinal detachment] Trezza JS, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):50-2 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Partial trisomy 6q and bilateral retinal detachment. Pierpont ME, et al. **Ophthalmic Paediatr Genet** 1986 Dec;7(3):175-80

IMMUNOLOGY

Immunoreactive opsin content in subretinal fluid from patients with rhegmatogenous retinal detachments. Hara S, et al. **Arch Ophthalmol** 1987 Feb;105(2):260-3

[Determination of immunoglobulins and complement C3 in the subretinal fluid] Ma LQ. **Chung Hua Yen Ko Tsa Chih** 1987 Jan;23(1):27-9 (Eng. Abstr.) (Chi)

METABOLISM

Penetration of topical indomethacin into subretinal fluid of patients with retinal detachments. Case report. Gombos

GM, et al. **Arch Ophthalmol** 1987 Jan;105(1):26–7

Glial fibrillary acidic protein increases in Müller cells after retinal detachment. Erickson PA, et al. **Exp Eye Res** 1987 Jan;44(1):37–48

Mechanisms of subretinal fluid resorption in the cat eye. Negi A, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1560–3

Permeability of the blood–retinal barrier to carboxyfluorescein in eyes with rhegmatogenous retinal detachment. Tsuboi S, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):96–100

[Source of subretinal fluid proteins] Sebag J, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:138–9 **(Fre)**

OCCURRENCE

Retinal detachment. A study of a population–based patient material in Sweden 1971–1981. I. Epidemiology. Törnquist R, et al. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):213–22

Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis. Freeman WR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):527–36

Epidemiology of retinal detachment in childhood and adolescence. Rosner M, et al. **J Pediatr Ophthalmol Strabismus** 1987 Jan–Feb;24(1):42–4

The prevalence of retinal detachment in aphakic high myopic patients. Lusky M, et al. **Ophthalmic Surg** 1987 Jun; 18(6):444–5

[Retinal detachment and pseudophakia] Tapissier J, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:371–4 **(Fre)**

[Epidemiologic data on retinal detachment and its prevention] Vadot E. **Bull Soc Ophtalmol Fr** 1987 Jan; 87(1):93–4, 96 **(Fre)**

[Epidemiologic approach to retinal detachment in Casablanca] Zaghloul K, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1211–3 **(Fre)**

PATHOLOGY

Nuclear magnetic resonance imaging of subretinal fluid. Okabe H, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):640–6

Extension of retinal detachments as a complication of pneumatic retinopexy [letter] Hilton GF, et al. **Arch Ophthalmol** 1987 Feb;105(2):168–9

Retinal detachment following neodymium–YAG laser capsulotomy. Vester CA, et al. **Fortschr Ophthalmol** 1986; 83(4):441–3

Peripheral neovascularization complicating rhegmatogenous retinal detachments of long duration. Bonnet M. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):59–62

Vitreous cortex remnants at the fovea after spontaneous vitreous detachment. Kishi S, et al. **Int Ophthalmol** 1986 Dec;9(4):253–60

Acute changes in RPE apical morphology after retinal detachment in rabbit. A SEM study. Immel J, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1770–6

Juvenile retinal detachment. Okinami S, et al. **Ophthalmologica** 1987;194(2–3):95–102

Proliferative vitreoretinopathy (PVR) [letter] Schepens CL. **Ophthalmology** 1987 Feb;94(2):201

[Pigment epithelium exposed by retinal tears and massive retinovitreal retraction] Bonnet M. **Bull Mem Soc Fr Ophtalmol** 1986;97:271–3 **(Fre)**

[Clinical changes in the pigment epithelium in vitreo–retinal organizations. Pre–, per– and postoperative aspects] Le Rebeller MJ, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:268–70 **(Fre)**

[Retinal detachment of the 2d eye. A 5–year study] Hubault D, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1513–6 (Eng. Abstr.) **(Fre)**

[Unusual aspects of vanishing points in central serous retinopathy associated with serous detachment of the pigment epithelium] Langlois M, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):555–7 (Eng. Abstr.) **(Fre)**

[Unusual course of degenerative vitreoretinal disease following pars plana vitrectomy] Gleitz CD, et al. **Fortschr Ophthalmol** 1986;83(6):622–3 (Eng. Abstr.) **(Ger)**

[Structural proteins in proliferative vitreoretinopathy] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1986;83(5):582–4 (Eng. Abstr.) **(Ger)**

[Course and prognosis of serous detachment of the retinal pigment epithelium] Sahel J, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):123–7 (Eng. Abstr.) **(Ger)**

[Reversible posterior detachment of the vitreous body] Slezak H, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):121–2 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Research update: report from a workshop on cell biology of retinal detachment. Steinberg RH. **Exp Eye Res** 1986 Nov;43(5):695–706 (83 ref.)

A comparative study of retinal breaks in phakic and aphakic retinal detachment. Ahuja OP, et al. **Indian J Ophthalmol** 1984 Jul–Aug;32(4):217–9

[Experimental retinal detachment—studies of its pathomechanism] Kain HL, et al. **Fortschr Ophthalmol** 1986;83(5):590–6 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Rhegmatogenous retinal detachment after prophylactic argon laser photocoagulation. Bonnet M, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):5–8

[Are equatorial circular barrages using argon laser photocoagulation useful? Could they be dangerous?] Bonn G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1335–7 **(Fre)**

[Indications for treatment in acquired retinoschisis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1171 **(Fre)**

[The extracapsular method: means of preventing retinal detachment in aphakia patients with severe myopia. 37 cases, 50 eyes] Lagoutte F, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1517–8, 1520 (Eng. Abstr.) **(Fre)**

[Systematic argon laser cerclage on the opposite eye after idiopathic retinal detachment?] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1339–41 **(Fre)**

[Limitations of argon laser photocoagulation in the preventive treatment of retinal detachment] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1307–11 **(Fre)**

[Are there complications in technics for preventing retinal detachment?] Vallat M. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):781–4 **(Fre)**

[Alternative therapy to the YAG laser in the formation of secondary proliferative cataracts] Kammann J, et al. **Fortschr Ophthalmol** 1986;83(4):453–5 (Eng. Abstr.) **(Ger)**

[Prevention of retinal detachment in patients with intraocular foreign bodies] Smoleńska–Janicowa D, et al. **Klin Oczna** 1987 Jan;89(1):17–8 (Eng. Abstr.) **(Pol)**

[Prevention of retinal detachment after perforating fragmentary injuries of the eye] Samsonov IuS, et al. **Oftalmol Zh** 1987;(1):50–2 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Type A behavior and central serous chorioretinopathy. Yannuzzi LA. **Trans Am Ophthalmol Soc** 1986;84:799–845

REHABILITATION

[Basic means of rehabilitating patients with retinal detachment and the predetachment state complicated by lens opacification] Babanina IuD, et al. **Oftalmol Zh** 1986; (5):264–7 (Eng. Abstr.) **(Rus)**

SURGERY

Micropsia and metamorphopsia in the re–attached macula following retinal detachment. Sjöstrand J, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):425–32

Retinal detachment after intraocular lens implantation. Vatne HO, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):544–6

Acupuncture in the anesthetic management of eye surgery. Masuda A, et al. **Acupunct Electrother Res** 1986; 11(3–4):259–67

"En bloc" excision of diabetic membranes.Abrams GW, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):302–8

Staphylococcus epidermidis endophthalmitis after pneumatic retinopexy. Eckardt C. **Am J Ophthalmol** 1987 May 15; 103(5):720–1

Experimental transvitreal cyanoacrylate retinopexy in a primate model. Hida T, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):782–9

Intrusion of retinal tacks. Lewis H, et al. **Am J Ophthalmol** 1987 May 15;103(5):672–80

Transvitreal cyanoacrylate retinopexy in the management of complicated retinal detachment. McCuen BW 2d, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):127–32

Long–term results of successful vitrectomy with silicone oil for advanced proliferative vitreoretinopathy. Sell CH, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):24–8

Experimental transvitreal cyanoacrylate retinopexy through silicone oil. Sheta SM, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):717–22

Histopathologic study of the effect of retinal detachment surgery on 49 eyes obtained post mortem. Wilson DJ, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):167–79

The safety of magnetic resonance imaging with intraorbital metallic objects after retinal reattachment or trauma. Zheutlin JD, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):831

Laser photocoagulation in the acute retinal necrosis syndrome. Han DP, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1051–4

Histopathology of krypton red laser panretinal photocoagulation. A clinicopathologic correlation. Johnson RN, et al. **Arch Ophthalmol** 1987 Feb;105(2):235–8

Endolaser, cryopexy, and retinal reattachment in the air–filled eye. A clinicopathologic correlation. Johnson RN, et al. **Arch Ophthalmol** 1987 Feb;105(2):231–4

Half–thickness sponges for retinal detachment surgery [letter] Olk RJ. **Arch Ophthalmol** 1987 Jun;105(6):745–6

Management of recurrent retinal detachment after silicone oil injection. Case report. Sternberg P Jr, et al. **Arch Ophthalmol** 1987 Jan;105(1):27–8

Results and prognostic factors in vitrectomy for diabetic traction retinal detachment of the macula. Thompson JT, et al. **Arch Ophthalmol** 1987 Apr;105(4):497–502

Results and prognostic factors in vitrectomy for diabetic traction–rhegmatogenous retinal detachment. Thompson JT, et al. **Arch Ophthalmol** 1987 Apr;105(4):503–7

Repair of retinal detachment: personal experience of one of the earliest successful cases. Banks CN. **Aust N Z J Ophthalmol** 1986 Nov;14(4):385–6

Basic aspects and practical considerations in retinal detachment surgery. Foulds WS. **Aust N Z J Ophthalmol** 1986 May;14(2):113–20

Extended retinal tamponade in the treatment of retinal detachment with proliferative vitreoretinopathy. Stern WH, et al. **Br J Ophthalmol** 1986 Dec;70(12):911–7

Retinal detachment [editorial] Chignell AH. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):661–2

Vitrectomy and endolaser for complications of proliferative diabetic retinopathy. Ramsay RC, et al. **Can J Ophthalmol** 1986 Aug;21(5):170–4

The balloon–gas–procedure. Another move towards minimum surgery. Kreissig I. **Dev Ophthalmol** 1987; 13:99–106

Healon as intravitreal substitute in retinal detachment surgery in 40 patients. Koster R, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):13–7

Experimental studies on the disappearance of subretinal fluid after episcleral buckling procedures without drainage. Clemens S, et al. **Graefes Arch Clin Exp Ophthalmol** 1987; 225(1):16–8

Combined internal drainage of subretinal fluid and choroidal detachment. Peyman GA, et al. **Int Ophthalmol** 1987 Feb; 10(1):41–6

Results of silicone oil surgery. Laqua H, et al. **Jpn J Ophthalmol** 1987;31(1):124–31

Juvenile rhegmatogenous retinal detachment in Malaysia. Singh M. **Med J Malaysia** 1986 Jun;41(2):156–60

Retinal reattachment surgery in the remote Guatemalan highlands. Kingham JD, et al. **Ophthalmic Surg** 1978 Oct; 9(5):67–9

Retinal reattachment surgery: the basic procedure and its modifications. Kingham JD. **Ophthalmic Surg** 1978 Apr; 9(2):51–80

Simple modification of the explant–encircling element combination. Lahav M. **Ophthalmic Surg** 1987 Jan;18(1):18

Macular hole–induced retinal detachment: treatment with an "armed–silicone" implant.Landolfo V, et al. **Ophthalmic Surg** 1986 Dec;17(12):810–2

Treatment of myopic macular hole and detachment. Intravitreal gas exchange. Blankenship GW, et al. **Ophthalmology** 1987 Apr;94(4):333–6

Mechanical retinal fixation using tacks. de Juan E Jr, et al. **Ophthalmology** 1987 Apr;94(4):337–40

Pneumatic retinopexy. A collaborative report of the first 100 cases. Hilton GF, et al. **Ophthalmology** 1987 Apr; 94(4):307–14

The management of subretinal gas following attempted pneumatic retinal reattachment. McDonald HR, et al. **Ophthalmology** 1987 Apr;94(4):319–26

New retinal detachment after pneumatic retinopexy. Poliner LS, et al. **Ophthalmology** 1987 Apr;94(4):315–8

Suprachoroidal implantation for the treatment of retinal detachment. Poole TA, et al. **Ophthalmology** 1986 Nov; 93(11):1408–12

Open sky vitrectomy for total retinal detachment in retinopathy of prematurity. Tasman W, et al. **Ophthalmology** 1987 Apr;94(4):449–52

Repair of retinal detachments with temporary balloon buckling. Binder S. **Retina** 1986 Winter;6(4):210–4

New absorbable synthetic explants for the treatment of retinal detachment. Maru R, et al. **Retina** 1987 Summer; 7(2):102–10

Simultaneous perfusion of air and irrigating solution in the management of traumatic posterior segment injuries. Peyman GA, et al. **Retina** 1986 Summer–Fall;6(3):151–3

Scleral indentation following cryotherapy and repeat cryotherapy enhance release of viable retinal pigment epithelial cells. Singh AK, et al. **Retina** 1986 Summer–Fall; 6(3):176–8

The role of induced choroidal retinal adhesion in retinal detachment surgery. Chignell AH, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):580–2

Longterm results of treatment of central serous retinopathy—a preliminary report. Ficker L, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):473–5

Long–standing retinal detachments—the role of internal tamponade. Leaver PK. **Trans Ophthalmol Soc UK** 1986; 105 (Pt 4):476–9

Laser surgery for rhegmatogenous retinal detachments. Kaplan S, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):318–20

Management of exudative retinal detachment following retinal vein obstruction. Scimeca GH, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):330–1

[Analysis of 45 cases of re–operated retinal detachment] Wang JZ. **Chung Hua Yen Ko Tsa Chih** 1986 Nov; 22(6):329–31 (Eng. Abstr.) **(Chi)**

[Intravitreal injection of liquid silicone in the surgery of complicated retinal detachment] Karel I, et al. **Cesk Oftalmol** 1986 Sep;42(5):349–59 (Eng. Abstr.) **(Cze)**

[Technic and results of extensive retinotomies in retinal detachments with retino–viteous proliferation] Haut J, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:359–62 **(Fre)**

[Respective indications of different surgical technics for the treatment of retinal detachment via a macular hole] Larricart P, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:363–6 **(Fre)**

[The future of the unaffected eye of 50 patients with non-traumatic retinal inversion] Loyer JP, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:351-4 (Fre)

[Exclusive use of vitrectomy combined with injection of SF6 in the treatment of certain retinal detachments] Van Effenterre G, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:367-70 (Fre)

[Silicone oil in the surgery of retinal detachment] Abellan P, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):693-6 (Eng. Abstr.) (Fre)

[Choroidal detachment and surgery of retinal detachment. Discussion of its incidence and complications] Annonier P, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):195-7 (Eng. Abstr.) (Fre)

[130 retinal detachments treated by internal plugging with an expansive gas] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):693-6 (Eng. Abstr.) (Fre)

[Retinal detachment with extensive retraction. Treatment by scleral buckling and vitrectomy. Preliminary results] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):559-60, 563 (Eng. Abstr.) (Fre)

[Importance of simple vitrectomy without internal tamponade in surgical prognosis of rhegmatogenous retinal detachment] Chauvaud D, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):637-9 (Fre)

[Treatment of retinal detachment of the posterior pole in severe myopia by vitrectomy and gas tamponade] Chazalon T, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep; 86(8-9):981-2, 987-8 (Fre)

[Surgical treatment of retinal detachment by cryocoagulation and ab-interno indentation using C3F8 without episcleral indentation. Initial results] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):411-4 (Fre)

[Results of the classical surgical treatment in 100 successive cases of retinal detachment] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):697-702 (Eng. Abstr.) (Fre)

[Advantages and disadvantages of the use of healon in the surgery of difficult retinal detachments] Gastaud P, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):61-4, 69-70 (Eng. Abstr.) (Fre)

[Technic and initial results of wide retinotomy in detachment caused by retinovitreous retraction] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):259-60 (Fre)

[Technic of vitrectomy-fluid gas exchange in the treatment of retinal detachment: apropos of 70 cases] Le Rebeller MJ. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8-9):1083-7 (Fre)

[Endo-ocular approach in the surgery of retinal detachment] Le Rebeller MJ. **Bull Soc Ophtalmol Fr** 1986 May; 86(5):649-53 (Fre)

[Treatment of retinal detachment using silicone implant and binding. Results in 95 cases] Philippot M, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1221-2, 1227-8 (Eng. Abstr.) (Fre)

[Results of the treatment of retinal detachment using Lincoff's sponge. Apropos of 40 cases] Sekkat A, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1215-9 (Fre)

[Retinal detachment with soft retina surgically-treated by vitrectomy and injection of SF6: problems posed by recurrences] Ullern M, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):23-4, 27-8 (Fre)

[Serous detachment of the neuroepithelium: one of the limitations of photocoagulation] Van Effenterre G, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1301-5 (Fre)

[Retinal detachment caused by a tear at the ora serrata] Bonnet M, et al. **J Fr Ophtalmol** 1986;9(3):231-42 (Eng. Abstr.) (Fre)

[Present status of internal tamponade of the retina. Internal tamponade] Haut J. **J Fr Ophtalmol** 1986;9(5):411-6 (Fre)

[Synthetic absorbable PDS explant for the treatment of retinal detachment] Marti R, et al. **J Fr Ophtalmol** 1986; 9(5):373-9 (Eng. Abstr.) (Fre)

[Late complications following silicone injection. Long-term follow-up of 100 cases] Dimopoulos S, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):223-7 (Eng. Abstr.) (Ger)

[A complication in gas surgery: injection of gas beneath the retina in a pseudophakic eye] Lincoff H, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):127-30 (Eng. Abstr.) (Ger)

[Fluorosilicone oil heavier than water: a new aid in vitreoretinal surgery] Petersen J, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):228-32 (Eng. Abstr.) (Ger)

[Diminution of myopia following operation of macular hole-induced retinal detachment] Theodossiadis GP, et al. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):289-92 (Eng. Abstr.) (Ger)

[Present-day amotio retinae therapy and use of lasers] Messerli J. **Ther Umsch** 1987 Apr;44(4):308-12 (Eng. Abstr.) (Ger)

[Treatment and prognosis of juvenile retinal detachment] Okinami S, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul; 90(7):1007-13 (Eng. Abstr.) (Jpn)

[Experimental studies using Polish-produced polyester implants in retinal detachment surgery. Remote results] Gerkowicz K, et al. **Klin Oczna** 1986 Aug;88(8):278-80 (Eng. Abstr.) (Pol)

[Results of the treatment of retinal detachment using episcleral silicone sponge implants] Hańczyc P, et al. **Klin Oczna** 1986 Apr;88(4):130-1 (Eng. Abstr.) (Pol)

[Surgical treatment of retinal detachment without evacuation of the subretinal fluid] Kreissig I, et al. **Klin Oczna** 1986 Apr;88(4):113-9 (Eng. Abstr.) (Pol)

[Surgical problems in traumatic retinal detachment] Smolińska K, et al. **Klin Oczna** 1987 Jan;89(1):14-6 (Eng. Abstr.) (Pol)

[Traumatic retinal detachment with ora serrata dialysis] Starzycka M, et al. **Klin Oczna** 1987 Jan;89(1):11-3 (Eng. Abstr.) (Pol)

[Active immobilization of the eyeball, an ancillary and effective method in surgery for reattaching detached retinas] Vicea I. **Rev Chir [Oftalmol]** 1986 Oct-Dec; 30(4):283-6 (Rum)

[Reinforcement of the sclera during surgical treatment of retinal detachment] Belousova ZF. **Oftalmol Zh** 1986; (7):445-6 (Rus)

[Geometrical aspects of surgical interventions in complicated forms of retinal detachment] Gorban' AI, et al. **Oftalmol Zh** 1986;(5):260-4 (Eng. Abstr.) (Rus)

[Our surgical experience in retinal detachment recurrences] Krasnikov PG, et al. **Oftalmol Zh** 1986;(5):276-8 (Eng. Abstr.) (Rus)

[Scleroplastic operations combined with cryocoagulation in diabetic tractional detachment of the retina] Milen'kaia TM. **Oftalmol Zh** 1986;(5):270-1 (Eng. Abstr.) (Rus)

[Results of surgical treatment of retinal detachment using Soviet-made silicone rubber] Pen'kov MA, et al. **Oftalmol Zh** 1987;(1):40-2 (Eng. Abstr.) (Rus)

[Surgical treatment of retinal detachment complicated by cataract] Stepanov IuV, et al. **Oftalmol Zh** 1986;(5):267-9 (Eng. Abstr.) (Rus)

[Use of the balloon catheter filling technic in the surgery of retinal detachment] Walther A, et al. **Vestn Oftalmol** 1987 Mar-Apr;103(2):19-21 (Eng. Abstr.) (Rus)

[Autoscleroplasty in retinal detachment] Zalkova MV. **Vestn Oftalmol** 1987 May-Jun;103(3):32-5 (Eng. Abstr.) (Rus)

[Surgical results in retinal detachments with macular rupture] Zakharov VD, et al. **Vestn Oftalmol** 1987 Mar-Apr; 103(2):15-8 (Rus)

[Surgical results in retinal detachments with macular rupture] Zakharov VD, et al. **Vestn Oftalmol** 1987 May-Jun; 103(3):38-41 (Eng. Abstr.) (Rus)

[Use of microsurgical technics in operations for amotio retinae] Cernák A, et al. **Cesk Oftalmol** 1987 Jan;43(1):31-7 (Eng. Abstr.) (Slo)

THERAPY

Treatment of retinal detachments with multiple breaks by pneumatic retinopexy. McAllister IL, et al. **Arch Ophthalmol** 1987 Jul;105(7):913-6

Evaluation of liquid silicone oil in retinal detachments. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1985;214:131-8

Usefulness and limit of silicone in management of complicated retinal detachment. Ando F. **Jpn J Ophthalmol** 1987;31(1):138-46

Changing attitudes in United States to use of intravitreal silicone. Lean JS. **Jpn J Ophthalmol** 1987;31(1):132-7

The management of rhegmatogenous retinal detachment with macula detached: steroids, choroidal detachment, and acuity [letter] Snyder WB. **Ophthalmology** 1987 May; 94(5):584

[Corneal complications caused by silicone oil and their treatment] De Molfetta V, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:198-200 (Fre)

[Treatment of superior retinal tears with retinal detachment by a single intravitreal injection of gas combined with cryoapplication] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):883-7 (Eng. Abstr.) (Fre)

[Technics of treatment of retinal detachment caused by macular hole by simple injection of SF6] Larricart P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8-9):989-90 (Fre)

[Use of Lincoff's balloon in the treatment of retinal detachment. Preliminary study] Van Effenterre G, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1151-4 (Fre)

[Internal tamponade using silicone oil in the treatment of retinal detachment] Chauvaud D. **J Fr Ophtalmol** 1986; 9(3):251-60 (Fre)

[Indications, technic and results of the balloon operation] Richard G. **Klin Monatsbl Augenheilkd** 1987 Jun; 190(6):484-8 (Eng. Abstr.) (Ger)

VETERINARY

Surgical repair of rhegmatogenous retinal detachments in dogs. Dziezyc J, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):902-4

RETINAL DIALYSES see **RETINAL PERFORATIONS**

RETINAL DISEASES

Spontaneous separation of a premacular membrane. Kaplan SJ. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(2):502-4

[Clinical interpretation of retinal circulatory measurements. III. Blood flow velocity and vessel diameter in normal persons and in patients with venous occlusive diseases] Vilser W, et al. **Ophthalmologica** 1986;193(1-2):97-107 (Eng. Abstr.) (Ger)

[Aicardi's syndrome. Report of 2 cases] Abraham R, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):364-72 (Eng. Abstr.) (Por)

BLOOD

Increased serum IgM and IgG in the multiple evanescent white-dot syndrome. Chung YM, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):187-8

Platelet aggregation and coagulation factors in insulin dependent diabetics with and without microangiopathy. Dallinger KJ, et al. **Diabetic Med** 1987 Jan-Feb;4(1):44-8

Lipid peroxidation in patients with essential hypertension. Uysal M, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Sep;24(9):474-6

CHEMICALLY INDUCED

Tamoxifen retinopathy at low dosage. Griffiths MF. **Am J Ophthalmol** 1987 Aug 15;104(2):185-6

Maculopathy associated with combination chemotherapy and osmotic opening of the blood-brain barrier. Millay RH, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):626-32

Retinal toxicity of amphotericin B in vitrectomised versus non-vitrectomised eyes. Baldinger J, et al. **Br J Ophthalmol** 1986 Sep;70(9):657-61

Canthaxanthin retinopathy. An investigation by light and electron microscopy and physicochemical analysis. Daicker B, et al. **Graefes Arch Clin Exp Ophthalmol** 1987; 225(3):189-97

Experimental carotenoid retinopathy. I. Functional and morphological alterations of the rabbit retina after 11 months dietary carotenoid application. Weber U, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):198-205

Experimental calcium oxalate retinopathy compared with cystine- and tyrosine-induced retinal damage. An ophthalmoscopical, histological, and electrophysiological study. Weber U, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):414-8

Oxygen-induced retinopathy in newborn kittens. A model for ischemic vasoproliferative retinopathy. Kremer I, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):126-30

Morphology of quisqualate-induced neurotoxicity in the chicken retina. Sattayasai J, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):[illegible]7

Dose relationships in patients with early chloroquine retinopathy. Easterbrook M. **J Ru[illegible]** 1987 Jun; 14(3):472-5

Copper chelation and the neuro-ophthalmic toxicity of desferrioxamine [letter] Pall H, et al. **Lancet** 1986 Nov 29; 2(8518):1279

[Maculopathy with golden paillettes] Audouy D, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):191-3 (Eng. Abstr.) (Fre)

[A new case of gold-dust maculopathy] Franco JL, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1035-7 (Eng. Abstr.) (Fre)

[Chloroquine retinopathy and malaria prevention] Verin P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8-9):975-9 (Fre)

[Peripheral retinal dystrophy following administration of canthaxanthin?] Hennekes R. **Fortschr Ophthalmol** 1986; 83(5):600-1 (Eng. Abstr.) (Ger)

[Toxic retinopathy in cyclosporin A therapy] Pillunat LE, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):131-4 (Eng. Abstr.) (Ger)

[Fansidar-induced maculopathy and dermatitis exfoliativa] Elsås T, et al. **Tidsskr Nor Laegeforen** 1987 May 20; 107(14):1231-2 (Eng. Abstr.) (Nor)

[Treatment with Cis-platin. Retinal toxic effects] Håskjold E, et al. **Tidsskr Nor Laegeforen** 1987 May 30; 107(15):1346-8 (Eng. Abstr.) (Nor)

[Mechanisms of retinal damage in chloroquine retinopathy] Ivanina TA, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):180-3 (Eng. Abstr.) (Rus)

COMPLICATIONS

Apparent Coats' disease and pericentric inversion of chromosome 3. Skuta GL, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):84-6

Proliferative retinopathy and toxemia of pregnancy. Brancato R, et al. **Ann Ophthalmol** 1987 May;19(5):182-3

Alport's syndrome and retinal telangiectasia. Kondra L, et al. **Ann Ophthalmol** 1983 Jun;15(6):550-1

Are there any retinal contraindications to cataract extraction and posterior chamber lens implants? [editorial] Tasman W. **Arch Ophthalmol** 1986 Dec;104(12):1767-8

Neovascularization in urethane rat retinopathy demonstrated by thymidine labelling. Shiraki K, et al. **Curr Eye Res** 1986 Sep;5(9):683-95

Monocular diplopia of retinal origin. Lepore FE, et al. **J Clin Neuro Ophthalmol** 1986 Sep;6(3):181-3

Associated retinitis pigmentosa and fundus flavimaculatus. Fiore C, et al. **Ophthalmologica** 1987;194(2-3):111-8

Idiopathic epiretinal membranes with spontaneous posterior vitreous separation. Shirakawa H, et al. **Ophthalmologica** 1987;194(2-3):90-4

Argon laser photocoagulation for macular edema in branch vein occlusion. Finkelstein D. **Ophthalmology** 1986 Jul; 93(7):975-7

Treatment of giant retinal tears combined with proliferative

vitreoretinopathy. Glaser BM. **Ophthalmology** 1986 Sep; 93(9):1193–7

Acute posterior multifocal placoid pigment epitheliopathy and late-onset meningo-encephalitis. Kersten DH, et al. **Ophthalmology** 1987 Apr;94(4):393–6

Macular halos associated with Niemann-Pick type B disease. Matthews JD, et al. **Ophthalmology** 1986 Jul;93(7):933–7

CONGENITAL

[Progressive forms of congenital hypertrophy of the pigment epithelium] Zografos L, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:274–8 **(Fre)**

[Indications for treatment in congenital retinoschisis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1177 **(Fre)**

[Danger and inefficiency of treatment by laser photocoagulation in congenital retinoschisis] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1173–6 (Eng. Abstr.) **(Fre)**

[Disciform maculopathy—a late complication of retinal dystrophy in congenital rubella infection] Menne K, et al. **Fortschr Ophthalmol** 1986;83(5):615–6 (Eng. Abstr.) **(Ger)**

[Congenital rubella retinopathy—a progressive disease] Menne K. **Klin Monatsbl Augenheilkd** 1986 Oct; 189(4):326–9 (Eng. Abstr.) **(Ger)**

[Extreme tortuosity of the small retinal arteries] Pau H. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):517–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Fluorescein angiography in massive retinal gliosis. Bovino JA, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):593

Electroretinographic findings in sickle cell retinopathy. Peachey NS, et al. **Arch Ophthalmol** 1987 Jul;105(7):934–8

Cancer-associated retinopathy. Thirkill CE, et al. **Arch Ophthalmol** 1987 Mar;105(3):372–5

'Idiopathic' preretinal macular fibrosis in young individuals. Laatikainen L, et al. **Int Ophthalmol** 1987 Feb;10(1):11–4

The dilation dilemma [letter] **J Am Optom Assoc** 1987 May; 58(5):372

Retinal microembolism during cardiopulmonary bypass demonstrated by fluorescein angiography. Blauth C, et al. **Lancet** 1986 Oct 11;2(8511):837–9

Peripheral multifield scanning fluorescein angiography for the evaluation of proliferative sickle cell retinopathy. Stephens RF, et al. **Ophthalmic Surg** 1987 Apr;18(4):291–4

Clinical aspects of the visually evoked potential. Weinstein GW. **Ophthalmic Surg** 1978 Feb;9(1):56–65

Fluorescein angiography. Practical role in the office management of macular diseases. Singerman LJ. **Ophthalmology** 1986 Sep;93(9):1209–15

Central serous retinopathy: variants. Mazzuca DE, et al. **Surv Ophthalmol** 1986 Nov-Dec;31(3):170–4

[Ocular findings in systemic lupus erythematosus] Chen H. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):343–5 (Eng. Abstr.) **(Chi)**

[Fluorescence angiography and electroretinography in dialyzed patients after hypertensive neuroretinopathy] Svěrák J, et al. **Cesk Oftalmol** 1986 Jul;42(4):256–61 (Eng. Abstr.) **(Cze)**

[Late course of changes in the pigment epithelium] Amalric P. **Bull Mem Soc Fr Ophtalmol** 1986;97:265–7 **(Fre)**

[Diffuse retinal epitheliopathy. Apropos of 50 cases] Gaudric A, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:255–9 **(Fre)**

[The site of the leak: an angiofluorographic sign with many clinical patterns] Turut P. **Bull Mem Soc Fr Ophtalmol** 1986;97:302–5 **(Fre)**

[Phosphenes and floaters as emergencies in ophthalmology] Berthe-Bonnet S, et al. **Bull Soc Belge Ophtalmol** 1986; 217:123–30 (Eng. Abstr.) **(Fre)**

[Computerized data on retinal vascular disorders (occlusion of the branches of the retinal veins and drepanocytosis)] Chaine G, et al. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:19–25 (Eng. Abstr.) **(Fre)**

[Acute macular syndromes] Gilson M. **Bull Soc Belge Ophtalmol** 1986;217:107–22 (Eng. Abstr.) **(Fre)**

[Chorioretinal localization of malignant lymphomatosis. Apropos of 2 cases] Castier P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):225–7 (Eng. Abstr.) **(Fre)**

[Acquired and congenital retinoschisis: differential clinical elements] Giraud D, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1161–3 **(Fre)**

[Various localizations of adenomas of the eyeball: iris, ciliary body, retina] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):163–6, 171 (Eng. Abstr.) **(Fre)**

[Retinal hemangioma and astrocytoma] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):187–8, 191 (Eng. Abstr.) **(Fre)**

[Idiopathic peripheral vascular hypoxia] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1095–7 **(Fre)**

[Retinal incarceration: clinical signs and technic of disincarceration] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):623–4, 626 (Eng. Abstr.) **(Fre)**

[Ultrasonic aspects of combined hamartoma of the pigment epithelium and retina] Giuffre G, et al. **J Fr Ophtalmol** 1986;9(4):285–9 (Eng. Abstr.) **(Fre)**

[Ischemic ophthalmopathy] Jungmann P, et al. **Fortschr Ophthalmol** 1987;84(3):273–4 (Eng. Abstr.) **(Ger)**

[Thrombocytopenic hypertensive retinopathy] Oldendoerp J, et al. **Fortschr Ophthalmol** 1987;84(3):265–8 (Eng. Abstr.) **(Ger)**

[Changes in the fundus oculi in hypertension] Marquardt R. **Internist (Berlin)** 1987 Jun;28(6):376–80 **(Ger)**

[Arteriosclerosis of the eye. What the internist should know] Utermann D. **Internist (Berlin)** 1987 Jun;28(6):357–65 **(Ger)**

[A case of syphilitic uveitis simulating Harada disease] Fiala W, et al. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):53–5 (Eng. Abstr.) **(Ger)**

[Retinal dystrophy with Coats syndrome] Hammerstein W, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):527–9 (Eng. Abstr.) **(Ger)**

[Prototype of an ophthalmoscope for studying an upright image with light amplification] Mayer UM, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):78–9 (Eng. Abstr.) **(Ger)**

[Development of an anatomically shaped lens for facilitating indirect ophthalmoscopy] Westhoff MR. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):628–9 (Eng. Abstr.) **(Ger)**

[Clinical interpretation of retinal circulatory measurements. I. Technical measurement possibilities and clinical interpretation aid] Vilser W, et al. **Ophthalmologica** 1986; 193(1–2):78–87 (Eng. Abstr.) **(Ger)**

[Clinical interpretation of retinal circulatory measurements. III. Blood flow velocity and vessel diameter in normal persons and in patients with venous occlusive diseases] Vilser W, et al. **Ophthalmologica** 1986;193(1–2):97–107 (Eng. Abstr.) **(Ger)**

[Clinical interpretation of retinal circulatory measurements. II. Blood flow] Vilser W, et al. **Ophthalmologica** 1986; 193(1–2):88–96 (Eng. Abstr.) **(Ger)**

[Contribution to retinopathy in acute pancreatitis] Bretzke G, et al. **Z Gesamte Inn Med** 1987 Jul 1;42(13):369–70 (Eng. Abstr.) **(Ger)**

[100 angiographic examinations of the retina after oral administration of fluorescein] Bryk E. **Klin Oczna** 1986 Aug;88(8):281–3 (Eng. Abstr.) **(Pol)**

[Automatic time and code projector for the Retinophot model 211] Marcinkiewicz W, et al. **Klin Oczna** 1986 Apr; 88(4):144–5 (Eng. Abstr.) **(Pol)**

[Possibilities of stratified separation of fluoresceinographic signs in the fundus oculi using stereoscopic pictures] Marcinkiewicz W, et al. **Klin Oczna** 1986 May;88(5):171–4 (Eng. Abstr.) **(Pol)**

[Possibilities of examining the fundus oculi and preretinal space using the Rodenstock panfundoscope] Mrzygłód S, et al. **Klin Oczna** 1986 Apr;88(4):140–1 (Eng. Abstr.) **(Pol)**

[Retinal lesions in peripheral uveitis] Chentsova OB. **Vestn Oftalmol** 1987 May-Jun;103(3):45–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Intraocular daunorubicin for the treatment and prophylaxis of traumatic proliferative vitreoretinopathy. Wiedemann P, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):10–4

AIDS, cotton wool spots, and cytomegalovirus retinitis [letter] Parkin JM, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):561–2

Antiviral sensitivities of the acute retinal necrosis syndrome virus. Pepose JS, et al. **Curr Eye Res** 1987 Jan;6(1):201–5

Perceived efficacy of cyclandelate in the treatment of cochleovestibular and retinal disturbances related to cerebrovascular insufficiency. A study in general practice comprising 2772 patients. Memin Y. **Drugs** 1987;33 Suppl 2:120–4

Antiproliferative and anticontractile effects of liposome encapsulated fluoroorotate. Heath TD, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1365–72

[Proliferative vitreoretinopathy. Pathogenesis and possibilities for treatment with cytostatic drugs] Wiedemann P, et al. **Klin Monatsbl Augenheilkd** 1986 Jun; 188(6):559–64 (Eng. Abstr.) **(Ger)**

[Buflomedil chlorhydrate in the treatment of retinopathies] Spallone A, et al. **Clin Ter** 1987 Apr 30;121(2):125–8 (Eng. Abstr.) **(Ita)**

[Effects of an anti-prostaglandin agent added to the irrigation solution on retinal edema in rabbit eyes induced by pars plana vitrectomy] Shimada H, et al. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):360–75 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Increased aqueous lactic dehydrogenase in Coat's disease. Lifshitz T, et al. **Ann Ophthalmol** 1987 Mar;19(3):116–9

ETIOLOGY

Neuro-ophthalmological complications of coronary artery bypass graft surgery. Shaw PJ, et al. **Acta Neurol Scand** 1987 Jul;76(1):1–7

Retinal damage after argon laser iridotomy [letter] **Am J Ophthalmol** 1986 Nov 15;102(5):668–70

Radiation retinopathy as an experimental model for ischemic proliferative retinopathy and rubeosis iridis. Irvine AR, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):790–7

Incidence, risk factors, and morphology in operating microscope light retinopathy. Khwarg SG, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):255–63

Branch retinal artery occlusion after dye yellow photocoagulation of an arterial macroaneurysm. Russell SR, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):186–7

Posterior decompensation syndrome: macular failure versus senile macular degeneration. Havener WH, et al. **Ann Ophthalmol** 1986 Sep;18(9):271–2

Epiretinal membranes in sickle cell retinopathy. Carney MD, et al. **Arch Ophthalmol** 1987 Feb;105(2):214–7

Treatment of cytomegalovirus retinopathy in patients with acquired immunodeficiency syndrome. Use of the experimental drug 9-[2-hydroxy-1-(hydroxymethyl)ethoxymethyl]guanine. Holland GN, et al. **Arch Ophthalmol** 1986 Dec; 104(12):1794–800

Neodymium-YAG laser vitreolysis in sickle cell retinopathy. Hrisomalos NF, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1087–91

Scleral buckling with intraocular air injection complicated by arcuate retinal folds. Lewen RM, et al. **Arch Ophthalmol** 1987 Sep;105(9):1212–4

Light-induced maculopathy. Potential for recovery. Lindquist TD, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1641–7

Giant papillary conjunctivitis associated with an extruded scleral buckle. Case report. Robin JB, et al. **Arch Ophthalmol** 1987 May;105(5):619

Light-induced maculopathy [letter] Tysinger JW Jr. **Arch Ophthalmol** 1987 May;105(5):613–4

Branch retinal-vein occlusion following body inversion [letter] Witteman GJ. **Arch Ophthalmol** 1987 Jun;105(6):752

Rod mediated retinal dysfunction in cats with zinc depletion: comparison with taurine depletion. Jacobson SG, et al. **Clin Sci** 1986 Nov;71(5):559–64

Retinopathy in hypertension. Increased incidence in renoparenchymal disease. Heidland A, et al. **Contrib Nephrol** 1987;54:144–51

A microscopic study of herpes simplex virus retinopathy in mice. Holland GN, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1181–90

Refined carbohydrates affect blood pressure and retinal vasculature in spontaneously hypertensive and Wistar-Kyoto rats. Preuss HG, et al. **J Hypertens [Suppl]** 1986 Oct;4(3):S459–62

Study of retinal changes in leukaemia. Dwivedi PC, et al. **J Indian Med Assoc** 1986 Feb;84(2):35–7

Radiation retinopathy [letter] Kinyoun JL, et al. **JAMA** 1987 Aug 7;258(5):610–1

Neuro-ocular damage in pediatric oncology patients: predictor of long-term visual disability or tool for limiting toxicity? Newman NM, et al. **Med Pediatr Oncol** 1986; 14(5):262–70

Coats' disease in a renal transplant recipient. Berger M, et al. **Nephrol Dial Transplant** 1987;2(2):120–3

Migraine related to ocular stroke [letter] Weintraub MI, et al. **Neurology** 1986 Oct;36(10):1410

Proliferative sickle cell retinopathy under age 20: a review. Kimmel AS, et al. **Ophthalmic Surg** 1987 Feb;18(2):126–8

Proliferative sickle cell retinopathy: the disease and a review of its management. Stephens RF. **Ophthalmic Surg** 1987 Mar;18(3):222–31 (59 ref.)

Peripheral circumferential retinal scatter photocoagulation for the treatment of proliferative sickle retinopathy. An update. Kimmel AS, et al. **Ophthalmology** 1986 Nov; 93(11):1429–34

Macular alterations secondary to intraocular inflammatory disease. Nussenblatt RB. **Ophthalmology** 1986 Jul; 93(7):984–8

Acute retinal necrosis syndrome following herpes zoster dermatitis. Yeo JH, et al. **Ophthalmology** 1986 Nov; 93(11):1418–22

Retinal vasculitis in polyarteritis nodosa. Morgan CM, et al. **Retina** 1986 Winter;6(4):205–9

Retinal complications in the acquired immunodeficiency syndrome. A case report. Welsh NH, et al. **S Afr Med J** 1987 Mar 21;71(6):394–6

Central retinal artery occlusion in association with osteogenesis imperfecta. Bradish CF, et al. **Spine** 1987 Mar; 12(2):193–4

Unusual cases of proliferative sickle retinopathy. Kimmel AS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(1):332–5

[Light-induced retinal injury] Leino M. **Duodecim** 1987; 103(4):201–7 (47 ref.) **(Fin)**

[Peripheral choroidal granuloma secondary to ocular toxocariasis] Vinciguerra P, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:67–70 **(Fre)**

[Retinal embolisms and myxoma of the left atrium] Arne JL, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep;86(8–9):1029–30 **(Fre)**

[Unusual manifestation of retinal involvement in Fabry's disease] Audouy D, et al. **Bull Soc Ophtalmol Fr** 1986 May; 86(5):731–6 (Eng. Abstr.) **(Fre)**

[Contusive retinopathies of the posterior pole] Boissonnot M, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1001–7 (Eng. Abstr.) **(Fre)**

[Chorioretinal involvement in Churg-Strauss angiitis] Laroche L, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul; 86(6–7):757–60 (Eng. Abstr.) **(Fre)**

[Post-radiotherapy retinopathy] Moyenin P, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):497–8, 503–9 **(Fre)**

[Acute bilateral retinal necrosis in 2 stages. The role of herpes infection?] Saraux H, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1157–61 (Eng. Abstr.) **(Fre)**

[Retinal complications of pseudophakia] Gaudric A. **J Fr Ophtalmol** 1987;10(2):171–83 (134 ref.) **(Fre)**

[A case of ocular involvement in AIDS] Scimemi M, et al. **J Fr Ophtalmol** 1986;9(8–9):539–41 (Eng. Abstr.) **(Fre)**

[Ophthalmologic manifestations of acquired immunodeficiency syndrome] Adán A, et al. **Med Clin (Barc)** 1987 Jan 17;88(2):52–4 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Deletion of 13q12.1 in a child with Coats disease. Genkova P, et al. **Acta Paediatr Hung** 1986;27(2):141–3

Multipoint linkage analysis of loci in the proximal long arm of the human X chromosome: application to mapping the choroideremia locus. Lesko JG, et al. **Am J Hum Genet** 1987 Apr;40(4):303–11

Familial cavernous malformations of the central nervous system and retina. Dobyns WB, et al. **Ann Neurol** 1987 Jun;21(6):578–83

Familial prepapillary vascular loops. Grossniklaus H, et al. **Arch Ophthalmol** 1986 Dec;104(12):1755–6

Leber's hereditary optic neuroretinopathy, a maternally inherited disease. A genealogic study in four pedigrees. Nikoskelainen EK, et al. **Arch Ophthalmol** 1987 May; 105(5):665–71

Psychophysical and electroretinographic findings in X-linked juvenile retinoschisis. Peachey NS, et al. **Arch Ophthalmol** 1987 Apr;105(4):513–6

Familial association of prepapillary vascular loops [letter] Sipperley JO. **Arch Ophthalmol** 1987 May;105(5):614

Hereditary pigmented paravenous chorioretinal atrophy. Traboulsi EI, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1636–40

Retinal angiomatosis: the ocular manifestations of von Hippel–Lindau disease. Ridley M, et al. **Can J Ophthalmol** 1986 Dec;21(7):276–83

Heterogeneity and complementation analysis of fibroblasts from vitamin B6 responsive and non-responsive patients with gyrate atrophy of the choroid and retina. Wirtz MK, et al. **J Inherited Metab Dis** 1985;8(2):71–4

Development of retinal arteriolar tortuosity in previously unaffected family members. Clearkin IG, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):568–74

[Hereditary congenital sex-linked retinoschisis] Karel I, et al. **Cesk Oftalmol** 1987 Mar;43(2):93–9 (Eng. Abstr.) **(Cze)**

[Juvenile neuronal ceroid lipofuscinosis: electro-ophthalmologic findings in heterozygotes] Gottlob I, et al. **Fortschr Ophthalmol** 1987;84(3):298–300 (Eng. Abstr.) **(Ger)**

[Infantile nephropathic cystinosis: electro-ophthalmologic findings in kidney transplant patients and their mothers] Leipert KP, et al. **Fortschr Ophthalmol** 1987;84(3):287–91 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immunological studies of uveitis. 1. Immune complex containing herpes virus antigens in four patients with acute retinal necrosis syndrome. Matsuo T, et al. **Jpn J Ophthalmol** 1986;30(4):472–9

[HLA A-29—inflammatory retinal vasculitis and birdshot retinopathy] Bloch-Michel E, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):471–3 **(Fre)**

MICROBIOLOGY

Demonstration of herpes group virus in acute retinal necrosis syndrome. Freeman WR, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):701–9

Routes of viral spread in the von Szily model of herpes simplex virus retinopathy. Olson RM, et al. **Curr Eye Res** 1987 Jan;6(1):59–62

OCCURRENCE

[Epidemiology of retinal pathology and ambulatory care of older age groups in an urban population] Starkov GL. **Oftalmol Zh** 1987;(2):69–72 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The prevalence of macular drusen in postmortem eyes [letter] Lewis H, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):801–3

Retinal pigment epitheliopathy: an unusual case. Cleasby GW. **Ann Ophthalmol** 1986 Aug;18(8):247–9

Foveal diseases. Kraushar MF. **Ann Ophthalmol** 1986 Dec; 18(12):354–7

Decompensation of the retinal pigment epithelium and occult choroidal neovascularization: indications for treatment. Morse PH. **Ann Ophthalmol** 1987 Jul;19(7):276–9

Anomalies of retinal architecture in Aicardi syndrome. Del Pero RA, et al. **Arch Ophthalmol** 1986 Nov;104(11):1659–64

Macular geographic helicoid choroidopathy. Hardy RA, et al. **Arch Ophthalmol** 1987 Sep;105(9):1237–42

Early vitreous changes in experimental proliferative vitreoretinopathy. Miglior S, et al. **Arch Ophthalmol** 1986 Nov;104(11):1681–4

Epiretinal membranes in sickle cell disease. Moriarty BJ, et al. **Br J Ophthalmol** 1987 Jun;71(6):466–9

Pigmented paravenous retinochoroidal atrophy (PPRA). Haustrate FM, et al. **Doc Ophthalmol** 1986 Sep 30; 63(3):209–37

Retinal vasculitis: correlation of animal and human disease. Stanford MR, et al. **Eye** 1987;1 (Pt 1):69–77

Interferometric technique for investigation of laser thermal retinal damage. Krauss JM, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1290–7

The role of retinal pigment epithelium in the involution of subretinal neovascularization. Miller H, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1644–52

Delayed retinal effects of the frequency-doubled YAG laser (532 nm). Mosier MA, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1298–305

Multiple evanescent white dot syndrome. Nakao K, et al. **Jpn J Ophthalmol** 1986;30(4):376–84

Population and proportion of component cells in preretinal membranes. Yamashita H, et al. **Jpn J Ophthalmol** 1986; 30(3):269–81

Measurement of retinal blood flow in various pathological conditions by video fluorescence angiography. Körber N. **Klin Wochenschr** 1986 Oct 1;64(19):950–3

Cell components in proliferative vitreoretinopathy: immunofluorescent double staining of cultured cells from proliferative tissues. Shirakawa H, et al. **Ophthalmologica** 1987;194(1):56–62

Pathologic features of cytomegalovirus retinopathy after treatment with the antiviral agent ganciclovir. Pepose JS, et al. **Ophthalmology** 1987 Apr;94(4):414–24

Proliferative vitreoretinopathy. Histopathology of retroretinal membranes. Wilkes SR, et al. **Retina** 1987 Summer;7(2):94–101

Scanning electron microscopic analysis of intraocular ossification in advanced retinal disease. Allen CB, et al. **Scanning Microsc** 1987 Mar;1(1):233–9

[Epiretinal macular proliferation] Rencová E. **Cesk Oftalmol** 1987 May;43(3):173–81 (Eng. Abstr.) **(Cze)**

[Involvement of the pigment epithelium in diseases of the fundus oculi. Pathogenetic and therapeutic problems] Martenet AC. **Bull Mem Soc Fr Ophtalmol** 1986;97:299–301 **(Fre)**

[Chorio-retinal involvement in a patient with lymphatic filariasis] Mouillac-Gambarelli N, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:51–3 **(Fre)**

[Does the extent of retinoschisis intervene in its extension? Therapeutic applications] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1165 **(Fre)**

[Different histopathologic characteristics distinguish congenital retinoschisis from acquired retinoschisis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1155–6 **(Fre)**

[Eye and skin manifestations of endogenous oxalosis of the protracted type (follow-up)] Welt R, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):158–61 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Foveal cone pigments and sensitivity in young patients with Usher's syndrome [published erratum appears in Am J Ophthalmol 1987 Jul 15;104(1):98] Fulton AB, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):150–60

Contribution of vision variables to mobility in age-related maculopathy patients. Brown B, et al. **Am J Optom Physiol Opt** 1986 Sep;63(9):733–9

Significance of abnormal pattern electroretinography in anterior visual pathway dysfunction. Holder GE. **Br J Ophthalmol** 1987 Mar;71(3):166–71

Clinical and electrophysiological observations in patients with low pressure retinopathy. Russell RW, et al. **Br J Ophthalmol** 1986 Sep;70(9):651–6

Local macular ERG in patients with Best's disease. Horiguchi M, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):325–31

Macular electroretinograms and contrast sensitivity as sensitive detectors of early maculopathy. Vaegan, et al. **Doc Ophthalmol** 1986 Nov 15;63(4):399–406

Delayed visual evoked potentials are independent of pattern orientation in macular disease. Bodis-Wollner I, et al. **Electroencephalogr Clin Neurophysiol** 1987 May;68(3):172–9

Retinal dysfunction in central serous retinopathy. Chuang EL, et al. **Eye** 1987;1 (Pt 1):120–5

Reading with a macular scotoma. II. Retinal locus for scanning text. Timberlake GT, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1268–74

A comparison of visual function tests in eyes with maculopathy. Fish GE, et al. **Ophthalmology** 1986 Sep; 93(9):1177–82

Proliferative vitreoretinopathy. The mechanism of development of vitreoretinal traction. Glaser BM, et al. **Ophthalmology** 1987 Apr;94(4):327–32

A unifying mechanism that could explain the varying cause and course of heterogeneous retinopathy [letter] Kashani AA. **Ophthalmology** 1987 Jan;94(1):89–90

[The ERG in retinoschisis] Hrachovina V, et al. **Cesk Oftalmol** 1987 Mar;43(2):100–3 (Eng. Abstr.) **(Cze)**

[Retinal diseases] Völker B. **Med Monatsschr Pharm** 1986 Nov;9(11):328–30 **(Ger)**

[Experimental studies of the electric activity of the retina in ocular siderosis caused by an orbital foreign body] Gerkowicz K, et al. **Klin Oczna** 1986 Jun;88(6):192–3 (Eng. Abstr.) **(Pol)**

[Eye function with normal visual acuity in diseases of the retina and optic nerve] Pil'ganchuk VV. **Vestn Oftalmol** 1987 Mar-Apr;103(2):29–33 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Effect of aloe on the resistance of the optic nerve system of the eye] Dumbrova NE, et al. **Oftalmol Zh** 1986; (8):494–6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Spatio-temporal modulation transfer function in retinal diseases. Kayazawa F, et al. **Ann Ophthalmol** 1983 Jul; 15(7):662–4

RADIOGRAPHY

Fluorescein angiography in carotid disease. Sarkies NJ, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):489–93

The carotid and the eye: correlations using digital substraction angiography. Hedges TR, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):296–8

RADIOTHERAPY

[Optimal parameters of experimental krypton laser radiation on the tissues of the fundus oculi] Linnik LA, et al. **Oftalmol Zh** 1986;(4):216–9 (Eng. Abstr.) **(Rus)**

SURGERY

Combined pars plana vitrectomy and retinal surgery in massive periretinal proliferation. Treister G, et al. **Ann Ophthalmol** 1983 Jul;15(7):670–1, 674–5

Laser photocoagulation in the acute retinal necrosis syndrome. Han DP, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1051–4

Photocoagulation of subretinal neovascularization associated with choroidal osteoma. Hoffman ME, et al. **Arch Ophthalmol** 1987 Jul;105(7):998–9

Radical vitrectomy and silicone-oil injection in the treatment of proliferative vitreoretinopathy following retinal detachment. Stilma JS, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):109–16

Intraocular argon laser photocoagulation. Acheson RW, et al. **Eye** 1987;1 (Pt 1):97–105

Eight-year follow-up of central serous chorioretinopathy with and without laser treatment. Brancato R, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):166–8

Review of choroidal osteoma: successful krypton red laser photocoagulation of an associated subretinal neovascular membrane involving the fovea. Morrison DL, et al. **Ophthalmic Surg** 1987 Apr;18(4):299–303

Iatrogenic choroidal neovascularization in sickle cell retinopathy. Carney MD, et al. **Ophthalmology** 1986 Sep; 93(9):1163–8

Surgical management of idiopathic epiretinal membranes. McDonald HR, et al. **Ophthalmology** 1986 Jul;93(7):978–83

Wavelength selection in macular photocoagulation. Tissue optics, thermal effects, and laser systems. Mainster MA. **Ophthalmology** 1986 Jul;93(7):952–8

Argon laser photocoagulation treatment in central serous chorioretinopathy. Robertson DM. **Ophthalmology** 1986 Jul;93(7):972–4

Histology of macular photocoagulation. Swartz M. **Ophthalmology** 1986 Jul;93(7):959–63

The treatment of proliferative sickle retinopathy using 360 degree scatter photocoagulation. Kimmel AS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):515–7

[Treatment of central serous chorioretinopathy using green light from an argon laser] Karhan J, et al. **Cesk Oftalmol** 1987 Jan;43(1):12–6 (Eng. Abstr.) **(Cze)**

[Chronic serous central retinopathy] Deutman AF, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:253–4 **(Fre)**

[Surgery of macular epiretinal membranes on flat retina] Gaudric A, et al. **Bull Soc Ophtalmol Fr** 1987 May; 87(5):571–4 **(Fre)**

[What therapeutic attitude to adopt in juvenile retinoschisis?] Gerhard JP, et al. **Bull Soc Ophtalmol Fr** 1986 May; 86(5):703–4 (Eng. Abstr.) **(Fre)**

[Macular epi-retinal membranes. Apropos of 14 surgically treated cases] Trepsat C, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1315–8 (Eng. Abstr.) **(Fre)**

[Indications for photocoagulation in the treatment of acquired retinoschisis] Van Coppenolle F, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1167–9 **(Fre)**

[Laser treatment of circulatory disorders of the fundus oculi] Pournaras CJ, et al. **Ther Umsch** 1987 Apr;44(4):288–301 (46 ref.) (Eng. Abstr.) **(Fre)**

[Clinical application of the thermal effect of lasers. 3. Photocoagulation in the field of ophthalmologic diseases and its progress and problems] Noyori K. **Nippon Rinsho** 1987 Apr;45(4):897–900 (6 ref.) **(Jpn)**

[LMOP-2: a new Polish device using a ND+3-YAG laser for transscleral coagulation of the retina and ciliary body] Kecik T, et al. **Klin Oczna** 1986 Jun;88(6):218–9 (Eng. Abstr.) **(Pol)**

[Treatment of optic disk foves and its complications by photo- and laser coagulation] Ganichenko IN. **Oftalmol Zh** 1986;(4):199–203 (Eng. Abstr.) **(Rus)**

THERAPY

Medical malpractice litigation in the management of vitreoretinal diseases. Kraushar MF. **Arch Ophthalmol** 1987 Feb;105(2):187–90

Complications of retinal xenon-arc photocoagulation.

Wiegand W. **Dev Ophthalmol** 1987;13:107–12

Immunologic modulation of virus-induced pathology in a murine model of acute herpetic retinal necrosis. Whittum-Hudson JA, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1541–8

Recent advances in non-neoplastic retinal and choroidal diseases. Brown GC. **Ophthalmology** 1987 Apr;94(4):453–8 (44 ref.)

[Purtscher's syndrome. Treatment with hyperbaric oxygen] Comte P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1075–6 **(Fre)**

[Indications for treatment in acquired retinoschisis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1171 **(Fre)**

[Alleviation of ocular complications of the hyperviscosity syndrome in Waldenström's macroglobulinemia using plasma exchange] Malecaze F, et al. **J Fr Ophtalmol** 1986; 9(5):367–71 (Eng. Abstr.) **(Fre)**

[Individual therapy of problem patients with chronic retinal and chorioretinal circulatory disorders of various origins] Brunner R, et al. **Fortschr Ophthalmol** 1986;83(6):684–6 (Eng. Abstr.) **(Ger)**

VETERINARY

Light-microscopic investigations on the retinae of dogs carrying the Merle factor. Klinckmann G, et al. **Zentralbl Veterinarmed [A]** 1986 Nov;33(9):674–88

RETINAL GANGLION CELLS see under **RETINA**

RETINAL HEMORRHAGE

Retinal haemorrhages and papilloedema due to benign intracranial hypertension in a pregnant diabetic. Wheatley T, et al. **Diabetic Med** 1986 Sep–Oct;3(5):482–4

COMPLICATIONS

Massive subretinal hemorrhage with acute angle-closure glaucoma in chronic myelocytic leukemia. Kozlowski IM, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):837–8

Retinal haemorrhages and papilloedema due to benign intracranial hypertension in a pregnant diabetic. Wheatley T, et al. **Diabetic Med** 1986 Sep–Oct;3(5):482–4

Massive hemorrhage complicating age-related macular degeneration. Clinicopathologic correlation and role of anticoagulants. el Baba F, et al. **Ophthalmology** 1986 Dec; 93(12):1581–92

Aphakic and pseudophakic cystoid macular edema: perifoveal hemorrhages. Goldberg RE, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):498–501

[Extensive fibrovascular proliferations in Eales' disease] Riss I, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1549–50, 1555–8 **(Fre)**

[A rare case of hemorrhage through the optic nerve sheath preceding cerebral hemorrhage] Bryk E. **Klin Oczna** 1986 May;88(5):167–8 (Eng. Abstr.) **(Pol)**

[External hemorrhagic-exudative retinitis in children] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1986 Jun; 88(6):215–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Terson's syndrome—significance of ocular findings. Toosi SH, et al. **Ann Ophthalmol** 1987 Jan;19(1):7–12

[Idiopathic retinal hemorrhages] Bakunowicz-Lazarczykowa A, et al. **Klin Oczna** 1986 Apr;88(4):126–7 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Neonatal retinal hemorrhages and neurobehavior related to tractive force in vacuum extraction. Svenningsen L, et al. **Acta Obstet Gynecol Scand** 1987;66(2):165–9

Subretinal hemorrhage during fluorescein angiography. Antoszyk AN, et al. **Am J Ophthalmol** 1987 Jan 15; 103(1):111–2

Retinal haemorrhage following laparoscopy [letter] Stow PJ. **Anaesthesia** 1986 Sep;41(9):965–6

Macula hemorrhage during intraocular surgery. Tornambe PE. **Ann Ophthalmol** 1986 Oct;18(10):301–4

Spontaneous subhyaloid and retinal haemorrhages in an infant. McLellan NJ, et al. **Arch Dis Child** 1986 Nov; 61(11):1130–2

Pale-centered retinal hemorrhages following vitrectomy. Case report. Jaffe GJ, et al. **Arch Ophthalmol** 1987 Jan; 105(1):25–6

Extradural analgesia and retinal haemorrhage in the newborn. Van Zundert A, et al. **Br J Anaesth** 1986 Sep;58(9):1017–21

Septic retinitis. Savir H. **Can J Ophthalmol** 1987 Apr; 22(3):171–2

Mid-peripheral retinal hemorrhages [letter] Alexander AH. **J Am Optom Assoc** 1986 Oct;57(10):729

Microhemorrhagic maculopathy associated with aerobic exercise. Roberts DK, et al. **J Am Optom Assoc** 1987 May; 58(5):415–8

Shaken baby syndrome. Ocular and computed tomographic findings. Spaide RF. **J Clin Neuro Ophthalmol** 1987 Jun; 7(2):108–11

Retinal hemorrhage and vacuum extraction delivery. O'Leary JA, et al. **J Perinat Med** 1986;14(3):197–9

White centered retinal hemorrhages in diabetic retinopathy. Catalano RA, et al. **Ophthalmology** 1987 Apr;94(4):388–92

[Clinical significance of papilledema with extensive fundus hemorrhages caused by raised intracranial pressure] Fan ZJ. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):143–4 (Eng. Abstr.) **(Chi)**

[Analysis of ocular fundus changes in post-hemorrhagic anemic patients] Wu BQ. **Chung Hua Yen Ko Tsa Chih** 1986 Nov;22(6):346–8 (Eng. Abstr.) **(Chi)**

[Involuntary experimental strangulation and syndrome of cephalic venous hypertension] Mondon H, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:134–7 **(Fre)**

[Hemorrhagic complications in drusen of the optic papilla] Lodato G. **J Fr Ophtalmol** 1986;9(8–9):567–72 (Eng. Abstr.) **(Fre)**

[Eales' syndrome. Clinical aspects, therapeutic indications and course of 29 cases] Moyenin P, et al. **J Fr Ophtalmol** 1987;10(2):123–8 (Eng. Abstr.) **(Fre)**

[Prognosis of ruptured cerebral aneurysms with retinal hemorrhage] Kashihara K, et al. **Neurol Med Chir (Tokyo)** 1986 Sep;26(9):689–94 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[Retinal hemorrhage in 212 cases of highland neonates] Chen YH. **Chung Hua Yen Ko Tsa Chih** 1987 May;23(3):172–3 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Macular hemorrhages associated with posterior vitreous detachment. Schachat AP, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):647–9

Optic nerve sheath and retinal hemorrhages associated with the shaken baby syndrome. Lambert SR, et al. **Arch Ophthalmol** 1986 Oct;104(10):1509–12

[Biomicroscopy of an intraocular lens. Comparison of specular microscopy findings with the cytologic specimen] Wenzel M, et al. **Klin Monatsbl Augenheilkd** 1987 May; 190(5):442–4 (Eng. Abstr.) **(Ger)**

SURGERY

Krypton and argon laser photocoagulation effects in subretinal hemorrhage. Chino K, et al. **Jpn J Ophthalmol** 1986;30(3):282–7

Diagnosis and treatment of Eales' disease. Walsh AW, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(2):511–4

[Sympathetic ophthalmia following interventions for hemorrhagic glaucoma] Daxecker F, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):601–3 (Eng. Abstr.) **(Ger)**

[Therapy of preretinal macular hemorrhages] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):610–2 (Eng. Abstr.) **(Ger)**

[Effects of argon and krypton laser photocoagulation on chorioretinal lesions with subretinal hemorrhage] Ohki R, et al. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):213–9 (Eng. Abstr.) **(Jpn)**

RETINAL HOLES see **RETINAL PERFORATIONS**

RETINAL PERFORATIONS

[Tears of the retinal pigment epithelium] Menerath JM, et al. **J Fr Ophtalmol** 1986;9(10):667–70 **(Fre)**

CHEMICALLY INDUCED

Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis [letter] Teich SA, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):312–4

COMPLICATIONS

Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis. Freeman WR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):527–36

Immunoreactive opsin content in subretinal fluid from patients with rhegmatogenous retinal detachments. Hara S, et al. **Arch Ophthalmol** 1987 Feb;105(2):260–3

Types of avulsed retinal vessels associated with rhegmatogenous retinal detachment: treatment and results. Theodossiadis GP, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):185–8

Permeability of the blood-retinal barrier to carboxyfluorescein in eyes with rhegmatogenous retinal detachment. Tsuboi S, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):96–100

Presumed Toxocara canis with peripheral retinal granuloma and secondary macular hole. Richer SP, et al. **J Am Optom Assoc** 1987 May;58(5):404–7

Treatment of giant retinal tears combined with proliferative vitreoretinopathy. Glaser BM. **Ophthalmology** 1986 Sep; 93(9):1193–7

Management of rhegmatogenous retinal detachment with macula detached. Steroids, choroidal detachment, and acuity. Valone J Jr, et al. **Ophthalmology** 1986 Nov; 93(11):1413–7

[Retinal detachment caused by breaks of the posterior pole of the eye] Giry A, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):1077–81 **(Fre)**

[Technics of treatment of retinal detachment caused by macular hole by simple injection of SF6] Larricart P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):989–90 **(Fre)**

[Retinal detachment caused by a tear at the ora serrata] Bonnet M, et al. **J Fr Ophtalmol** 1986;9(3):231–42 (Eng. Abstr.) **(Fre)**

[Retinal detachment caused by small tears in the equatorial region of the retina] Bonnet M, et al. **J Fr Ophtalmol** 1986; 9(10):615–24 (Eng. Abstr.) **(Fre)**

CONGENITAL

Vascularized vitreous membranes in congenital retinoschisis. Arkfeld DF, et al. **Retina** 1987 Spring;7(1):20–3

DIAGNOSIS

Myopic cracks, angioid streaks, and traumatic tears in Bruch's membrane. Pruett RC, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):537–43

ETIOLOGY

Globe perforation from peribulbar injection [letter] Kimble JA, et al. **Arch Ophthalmol** 1987 Jun;105(6):749

Retinal break formation following contrecoup trauma: case report. Longstaff S, et al. **Br J Ophthalmol** 1987 May; 71(5):375–6

Rip of the retinal pigment epithelium: report of an atypical case. Bottoni FG, et al. **Int Ophthalmol** 1987 Jun; 10(3):167–73

Stochastical interpretation of retinal tear. SriVatsa LP. **J Biomed Eng** 1987 Jul;9(3):283–4

Pathogenesis of senile idiopathic macular holes [letter] Bastiaensen LA. **Ophthalmology** 1986 Oct;93(10):1366

Traumatic retinal detachment—mechanisms and management. Cooling RJ. **Trans Ophthalmol Soc UK** 1986; 105 (Pt 5):575–9

[Tears in the pigmentary epithelium following photocoagulation] Langois M, et al. **Bull Soc Ophtalmol Fr** 1986 Jun–Jul;86(6–7):893–5 (Eng. Abstr.) **(Fre)**

[Retinal tears and inflammation of the vitreous body. Epidemiologic approach] Vadot E. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):517–8 **(Fre)**

[Vascular and rhegmatogenous peripheral retinal changes in essential systemic arterial hypertension] Menchini U, et al. **J Fr Ophtalmol** 1986;9(6–7):435–9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

X-linked retinoschisis is closely linked to DXS41 and DXS16 but not DXS85. Alitalo T, et al. **Clin Genet** 1987 Sep; 32(3):192–5

Hereditary X-linked retinoschisis and bilateral congenital retinal detachment. Laatikainen L, et al. **Retina** 1987 Spring;7(1):24–7

PATHOLOGY

Unusual retinal tears in an amateur boxer. Carter JB, et al. **Arch Ophthalmol** 1987 Aug;105(8):1138

PHYSIOPATHOLOGY

Alteration of the visual evoked potential by macular holes: comparison with optic neuritis. Johnson LN, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(2):123–8

Long-term natural history study of senile retinoschisis with implications for management. Byer NE. **Ophthalmology** 1986 Sep;93(9):1127–37

SURGERY

Sealing of retinal breaks with metal tacks. Evaluation of a new procedure in retinal re-attachment surgery. Algvere P, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):421–4

Effect of scleral buckling on vector forces caused by epiretinal membranes. Michels RG, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):449–51

Use of fluorosilicone to unfold a giant retinal tear. Peyman GA, et al. **Int Ophthalmol** 1987 Jun;10(3):149–51

Macular hole-induced retinal detachment: treatment with an "armed-silicone" implant.Landolfo V, et al. **Ophthalmic Surg** 1986 Dec;17(12):810–2

A new suturing method for the treatment of giant retinal tear. Nishi O, et al. **Ophthalmic Surg** 1987 May;18(5):359–62

Treatment of myopic macular hole and detachment. Intravitreal gas exchange. Blankenship GW, et al. **Ophthalmology** 1987 Apr;94(4):333–6

Management of giant retinal tears without scleral buckling. Hoffman ME, et al. **Retina** 1986 Winter;6(4):197–204

Penetrating diathermy for retinal microincarceration in the management of giant retinal tears with inverted flaps. Kao GW, et al. **Retina** 1986 Summer-Fall;6(3):135–45

[Long-term results following laser therapy in 1,000 eyes with retinal holes and degenerations] Mester U, et al. **Fortschr Ophthalmol** 1987;84(2):197–201 (Eng. Abstr.) **(Ger)**

[A complication in gas surgery: injection of gas beneath the retina in a pseudophakic eye] Lincoff H, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):127–30 (Eng. Abstr.) **(Ger)**

[Diminution of myopia following operation of macular hole-induced retinal detachment] Theodossiadis GP, et al. **Klin Monatsbl Augenheilkd** 1986 Oct;189(4):289–92 (Eng. Abstr.) **(Ger)**

[Late evaluation of holes and cystoid degeneration of the macula] Orzel H, et al. **Klin Oczna** 1986 Jun;88(6):204–6

(Eng. Abstr.) (Pol)

THERAPY

[Treatment of superior retinal tears with retinal detachment by a single intravitreal injection of gas combined with cryoapplication] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):883-7 (Eng. Abstr.) (Fre)

VETERINARY

Surgical repair of rhegmatogenous retinal detachments in dogs. Dziezyc J, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):902-4

RETINAL PIGMENT EPITHELIUM see **PIGMENT EPITHELIUM OF EYE**

RETINAL PIGMENTS

Progression of gyrate atrophy of the choroid and retina. A long-term follow-up by fluorescein angiography. Vannas-Sulonen K. **Acta Ophthalmol (Copenh)** 1987 Feb; 65(1):101-9

Pigment dispersion syndrome in pseudophakic corneal transplants. Insler MS, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):762-5

Factors affecting the C = N stretching in protonated retinal Schiff base: a model study for bacteriorhodopsin and visual pigments. Baasov T, et al. **Biochemistry** 1987 Jun 2; 26(11):3210-7

Assignment of fingerprint vibrations in the resonance Raman spectra of rhodopsin, isorhodopsin, and bathorhodopsin: implications for chromophore structure and environment. Palings I, et al. **Biochemistry** 1987 May 5;26(9):2544-56

Molecular exchange at the lipid-rhodopsin interface: spin-label electron spin resonance studies of rhodopsin-dimyristoylphosphatidylcholine recombinants. Ryba NJ, et al. **Biochemistry** 1987 Jun 2;26(11):3234-40

Low-temperature solid-state 13C NMR studies of the retinal chromophore in rhodopsin. Smith SO, et al. **Biochemistry** 1987 Mar 24;26(6):1606-11

Wavelength modulation by molecular environment in visual pigments. Motoyama H, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):9-15

Structure of rhodopsin and bacteriorhodopsin. Ovchinnikov YA. **Photochem Photobiol** 1987 Jun;45(6):909-14 (47 ref.)

ANALYSIS

Three types of photoreceptors in the pineal and frontal organs of frogs: ultrastructure and opsin immunoreactivity. Vigh B, et al. **Arch Histol Jpn** 1986 Dec;49(5):495-518

Flash spectrophotometric identification of a fourth rhodopsin-like pigment in Halobacterium halobium. Tomioka H, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):389-95

Calmodulin and calmodulin binding proteins in amphibian rod outer segments. Nagao S, et al. **Biochemistry** 1987 Mar 24;26(6):1659-65

Demonstration of rod and cone photoreceptors in the lamprey retina by freeze-replication and immunofluorescence. Ishikawa M, et al. **Cell Tissue Res** 1987 Aug;249(2):241-6

High-resolution solid-state 13C-NMR study of carbons C-5 and C-12 of the chromophore of bovine rhodopsin. Evidence for a 6-S-cis conformation with negative-charge perturbation near C-12. Mollevanger LC, et al. **Eur J Biochem** 1987 Feb 16;163(1):9-14

Enzyme-linked immunosorbent assay for quantitative determination of the visual pigment rhodopsin in total-eye extracts. Schalken JJ, et al. **Exp Eye Res** 1986 Sep; 43(3):431-9

Immunocytochemical discrimination of visual pigments in the retinal photoreceptors of the nocturnal gecko Teratoscincus scincus. Szél A, et al. **Exp Eye Res** 1986 Dec;43(6):895-904

Monoclonal antibody-recognizing cone visual pigment. Szél A, et al. **Exp Eye Res** 1986 Dec;43(6):871-83

Spectroscopic studies of brunescent cataractous lenses. Tomoda A, et al. **FEBS Lett** 1987 Jul 27;219(2):472-6

Photoactive retinal pigments in haloalkaliphilic bacteria. Bivin DB, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2167-77

Cynomolgus and rhesus monkey visual pigments. Application of Fourier transform smoothing and statistical techniques to the determination of spectral parameters. Hárosi FI. **J Gen Physiol** 1987 May;89(5):717-43

Rhodopsin levels in the isolated normal and +rd mouse retina. Low JC. **Ophthalmic Res** 1987;19(1):49-51

[Surface-enhanced Raman spectroscopy of biopolymers: membrane proteins, bacteriorhodopsin and rhodopsin adsorbed on silver electrodes and silver hydrosols] Nabiev IR, et al. **Biofizika** 1986 Jul-Aug;31(4):724-34 (Eng. Abstr.) (Rus)

GENETICS

Assignment of the rhodopsin gene to human chromosome three, region 3q21-3q24 by in situ hybridization studies. Sparkes RS, et al. **Curr Eye Res** 1986 Oct;5(10):797-8

An opsin gene that is expressed only in the R7 photoreceptor cell of Drosophila. Fryxell KJ, et al. **EMBO J** 1987 Feb; 6(2):443-51

Electrophysiological study of Drosophila rhodopsin mutants. Johnson EC, et al. **J Gen Physiol** 1986 Nov;88(5):651-73

A rhodopsin gene expressed in photoreceptor cell R7 of the Drosophila eye: homologies with other signal-transducing molecules. Zuker CS, et al. **J Neurosci** 1987 May; 7(5):1550-7

Cell patterning in pigment-chimeric eyes of Xenopus: local cues control the decision to become germinal cells. Hunt RK, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5292-6

Polymorphism of photopigments in the squirrel monkey: a sixth phenotype. Bowmaker JK, et al. **Proc R Soc Lond [Biol]** 1987 Aug 21;231(1264):383-90

[Molecular mechanism of color discrimination] Tokunaga F, et al. **Tanpakushitsu Kakusan Koso** 1987 Jan;32(1):66-8 (9 ref.) (Jpn)

IMMUNOLOGY

Production of antibodies against rhodopsin after immunization with beta gamma-subunits of transducin: evidence for interaction of beta gamma-subunits of guanosine 5'-triphosphate binding proteins with receptor. Halpern JL, et al. **Biochemistry** 1987 Mar 24;26(6):1655-8

Antipeptide antibodies directed against cytoplasmic rhodopsin sequences recognize the beta-adrenergic receptor. Weiss ER, et al. **J Biol Chem** 1987 Mar 25; 262(9):4319-23

ISOLATION & PURIFICATION

An improved HPLC method for the separation of retinaldehyde isomers from visual pigments. Pepe IM, et al. **Photochem Photobiol** 1987 May;45(5):679-81

METABOLISM

Localization of visual pigment antigens to photoreceptor cells with different oil droplets in the chicken retina. Szél A, et al. **Acta Biol Hung** 1985;36(3-4):319-24

Study of the shape of the binding site of bovine opsin using 10-substituted retinal isomers. Asato AE, et al. **Biochemistry** 1986 Nov 4;25(22):7021-6

Raman microscope studies on the primary photochemistry of vertebrate visual pigments with absorption maxima from 430 to 502 nm. Barry B, et al. **Biochemistry** 1987 Jan 13; 26(1):59-64

Photosensitivity of 10-substituted visual pigment analogues: detection of a specific secondary opsin-retinal interaction. Liu RS, et al. **Biochemistry** 1986 Nov 4;25(22):7026-30

Chemical modification of rhodopsin and its effect on regeneration and G protein activation. Longstaff C, et al. **Biochemistry** 1986 Oct 7;25(20):6311-9

Properties of a water-soluble, yellow protein isolated from a halophilic phototrophic bacterium that has photochemical activity analogous to sensory rhodopsin. Meyer TE, et al. **Biochemistry** 1987 Jan 27;26(2):418-23

Amplification of phosphodiesterase activation is greatly reduced by rhodopsin phosphorylation. Miller JL, et al. **Biochemistry** 1986 Sep 9;25(18):4983-8

Protein-lipid interactions at membrane surfaces: a deuterium and phosphorus nuclear magnetic resonance study of the interaction between bovine rhodopsin and the bilayer head groups of dimyristoylphosphatidylcholine. Ryba NJ, et al. **Biochemistry** 1986 Aug 26;25(17):4818-25

Energy storage in the primary photochemical events of rhodopsin and isorhodopsin. Schick GA, et al. **Biochemistry** 1987 May 5;26(9):2556-62

Evidence for rhodopsin refolding during the decay of Meta II. Rothschild KJ, et al. **Biophys J** 1987 Feb;51(2):345-50

Effects of glycosylation inhibitors on the frog retina. Chambers JP, et al. **Brain Res Bull** 1986 Aug;17(2):259-63

Structure of a protein catalyzing the formation of 11 cis-retinal in the visual cycle of invertebrate eyes. Pepe IM, et al. **Cell Biophys** 1987 Feb;10(1):15-22

Accumulation of immunoreactive opsin on plasma membranes in degenerating rod cells of rd/rd mutant mice. Ishiguro S, et al. **Cell Struct Funct** 1987 Apr;12(2):141-55

Development and degeneration of retina in rds mutant mice: ultraimmunohistochemical localization of opsin. Jansen HG, et al. **Exp Eye Res** 1987 Mar;44(3):347-61

The acylation of rat rhodopsin in vitro and in vivo. St Jules RS, et al. **Exp Eye Res** 1986 Dec;43(6):929-40

Rapid affinity purification of retinal arrestin (48 kDa protein) via its light-dependent binding to phosphorylated rhodopsin. Wilden U, et al. **FEBS Lett** 1986 Oct 27; 207(2):292-5

Pigment distribution in Waardenburg's syndrome: a new hypothesis. Nork TM, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):487-92

Rhodopsin, vitamin A, and interstitial retinol-binding protein in the rd chicken [published erratum appears in Invest Ophthalmol Vis Sci 1987 Jun;28(6):920] Bridges CD, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):613-7

Density of foveal cone pigments at older age. Keunen JE, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):985-91

Are sugars involved in the binding of rhodopsin-membranes by the retinal pigment epithelium? Shirakawa H, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):628-32

Mechanism of action of monoclonal antibodies that block the light activation of the guanyl nucleotide-binding protein, transducin. Hamm HE, et al. **J Biol Chem** 1987 Aug 5;262(22):10831-8

Crystallographic characterization of a photoactive yellow protein with photochemistry similar to sensory rhodopsin. McRee DE, et al. **J Biol Chem** 1986 Oct 15;261(29):13850-1

Acylation of disc membrane rhodopsin may be nonenzymatic. O'Brien PJ, et al. **J Biol Chem** 1987 Apr 15;262(11):5210-5

Transducin interactions with rhodopsin. Evidence for positive cooperative behavior. Wessling-Resnick M, et al. **J Biol Chem** 1987 Sep 15;262(26):12444-7

Allosteric behavior in transducin activation mediated by rhodopsin. Initial rate analysis of guanine nucleotide exchange. Wessling-Resnick M, et al. **J Biol Chem** 1987 Mar 15;262(8):3697-705

Kinetic study on the equilibrium between membrane-bound and free photoreceptor G-protein. Schleicher A, et al. **J Membr Biol** 1987;95(3):271-81

Immunocytochemical localization of photopigments in cephalopod retinae. Robles LJ, et al. **J Neurocytol** 1987 Jun;16(3):403-15

ERG c-wave and pigment granule distribution in isolated chick retina: effects of osmotic pressure variation in vitreal perfusing solution. Yoneyama T, et al. **Jpn J Ophthalmol** 1986;30(3):306-17

Models for quick activation of transducin and spontaneous deactivation of activated rhodopsin in rod outer segments. Ichikawa K. **Neurosci Res** 1986 Nov;4(1):74-81

Studies of rhodopsin and bacteriorhodopsin using modified retinals. Crouch RK. **Photochem Photobiol** 1986 Dec; 44(6):803-7 (51 ref.)

Quantum efficiencies of the reversible photoreaction of octopus rhodopsin. Dixon SF, et al. **Photochem Photobiol** 1987 Jul;46(1):115-9

Spectral and kinetic evidence for the existence of two forms of bathorhodopsin. Einterz CM, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3699-703

Spectral sensitivity of blowfly photoreceptors: dependence on waveguide effects and pigment concentration. Smakman JG, et al. **Vision Res** 1986;26(7):1019-25

Aging and human macular pigment density. Appended with translations from the work of Max Schultze and Ewald Hering. Werner JS, et al. **Vision Res** 1987;27(2):257-68

PHYSIOLOGY

Foveal cone pigments and sensitivity in young patients with Usher's syndrome [published erratum appears in Am J Ophthalmol 1987 Jul 15;104(1):98] Fulton AB, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):150-60

Molecular biology of visual pigments. Nathans J. **Annu Rev Neurosci** 1987;10:163-94 (147 ref.)

The molecular mechanism of visual excitation and its relation to the structure and composition of the rod outer segment. Liebman PA, et al. **Annu Rev Physiol** 1987;49:765-91 (134 ref.)

Photopic sensitivities to ultraviolet and visible wavelengths and the effects of the macular pigments in human aphakic observers. Stark WS. **Curr Eye Res** 1987 Apr;6(4):631-8

Cone photopigment bleaching abnormalities in diabetes. Elsner AE, et al. **Invest Ophthalmol Vis Sci** 1987 Apr; 28(4):718-24

Daily changes of structure, function and rhodopsin content in the compound eye of the crab Hemigrapsus sanguineus. Arikawa K, et al. **J Comp Physiol [A]** 1987 Aug; 161(2):161-74

Exogenous and diurnal rhythms of chromophore turnover of visual pigment in the locust analysed by HPLC. Isono K, et al. **Neurosci Res** 1986;Suppl 4:S1-10

The molecules of visual excitation. Stryer L. **Sci Am** 1987 Jul;257(1):42-50

Molecular biology of the visual pigments. Applebury ML, et al. **Vision Res** 1986;26(12):1881-95 (78 ref.)

Does retinol serve a sensitizing function in insect photoreceptors? Kirschfeld K, et al. **Vision Res** 1986; 26(11):1771-7

A unifying presentation of photopigment spectra. MacNichol EF Jr. **Vision Res** 1986;26(9):1543-56 (32 ref.)

[Preparation of the isolated retina of Rana nigromaculata and determination of the photosensitivity of rhodopsin in situ] Qian HH, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):139-48 (Eng. Abstr.) (Chi)

[Fluorescence of rhodopsins and its relation to primary processes of light energy transformation] Sineshchekov VA, et al. **Biofizika** 1987 May-Jun;32(3):540-55 (98 ref.) (Eng. Abstr.) (Rus)

[Shielding eye pigments--melanins and ommochromes--photo-oxidation inhibitors] Sakina NL, et al. **Dokl Akad Nauk SSSR** 1986;291(4):994-7 (Rus)

RADIATION EFFECTS

Action spectrum of the retinal mechanism mediating nocturnal light-induced suppression of rat pineal gland N-acetyltransferase. Bronstein DM, et al. **Brain Res** 1987 Mar 17;406(1-2):352-6

Deactivation of photoactivated rhodopsin by rhodopsin-kinase and arrestin. Kühn H, et al. **J Recept Res** 1987;7(1-4):283-98

RETINAL TEARS see **RETINAL PERFORATIONS**

RETINAL VEIN

Central retinal vein occlusion and malignant glaucoma. Weber PA, et al. **Arch Ophthalmol** 1987 May;105(5):635-6

Branch retinal-vein occlusion following body inversion [letter] Witteman GJ. **Arch Ophthalmol** 1987 Jun;105(6):752

Chronic periphlebitis retinae in multiple sclerosis. A histopathological study. Shaw PJ, et al. **J Neurol Sci** 1987 Feb;77(2-3):147-52

Progression of nonischemic central retinal vein obstruction to the ischemic variant. Minturn J, et al. **Ophthalmology** 1986 Sep;93(9):1158-62

[Periphlebitis and multilocular sclerosis] Aracil P, et al. **Bull Soc Ophtalmol Fr** 1986 Apr;86(4):597-601 (Eng. Abstr.) (Fre)

[Retinal periphlebitis and multiple sclerosis] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):669-73 (Fre)

ABNORMALITIES

Inherited retinal venous beading. Meredith TA. **Arch Ophthalmol** 1987 Jul;105(7):949-53

Congenital retinal macrovessel. de Crecchio G, et al. **Ophthalmologica** 1986;193(3):143-5

[The venous macular vessel] Schneider T, et al. **Fortschr Ophthalmol** 1986;83(5):609-10 (Eng. Abstr.) (Ger)

[Congenital venous dilatations] Niculescu E. **Rev Chir [Oftalmol]** 1986 Oct-Dec;30(4):303-6 (Eng. Abstr.) (Rum)

PATHOLOGY

Retinal venous sheathing in optic neuritis. Its significance for the pathogenesis of multiple sclerosis. Lightman S, et al. **Brain** 1987 Apr;110 (Pt 2):405-14

Resolution of optociliary shunt vessels. Tyson SL, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):205-8

[Unilateral Purtscher traumatic angiopathy] Fellinger C, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):599-600 (Eng. Abstr.) (Ger)

PHYSIOLOGY

The width of the light reflex on retinal arteries and veins. Brinchmann-Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):433-8

The intensity of the light reflex on retinal arteries and veins. Brinchmann-Hansen O, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):547-52

The light reflex on retinal arteries and veins. A theoretical study and a new technique for measuring width and intensity profiles across retinal vessels. Brinchmann-Hansen O. **Acta Ophthalmol [Suppl] (Copenh)** 1986;179:1-53

RETINAL VEIN OCCLUSION

Venoruton in the therapy of central retinal vein occlusion. Zygulska-Mach H, et al. **Ther Hung** 1985;33(2):79-82

BLOOD

Serum lipoproteins in central retinal vein occlusion and other vascular lesion. Malik GM, et al. **Indian J Med Sci** 1986 Aug;40(8):201-3

COMPLICATIONS

Hyperbaric oxygen treatment for chronic cystoid macular edema after branch retinal vein occlusion. Ogura Y, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):301-2

Vitreous changes in retinal branch vein occlusion [letter] Topilow HW. **Arch Ophthalmol** 1987 Sep;105(9):1164

Closed microsurgery for the sequelae of neovascularisation from veno-occlusive retinopathies. James CR, et al. **Eye** 1987;1 (Pt 1):106-14

Long-standing venous stasis retinopathy with resultant cystoid macular edema. Brough GH, et al. **J Am Optom Assoc** 1987 May;58(5):423-5

Differential diagnosis of spontaneous hyphema associated with central retinal vein occlusion. Terry JE, et al. **J Am Optom Assoc** 1986 Sep;57(9):688-92

Progression of nonischemic central retinal vein obstruction to the ischemic variant. Minturn J, et al. **Ophthalmology** 1986 Sep;93(9):1158-62

Management of exudative retinal detachment following retinal vein obstruction. Scimeca GH, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):330-1

[Occlusions of the central vein of retina with occlusion of a cilio-retinal artery. Apropos of 7 cases] Glacet-Bernard A, et al. **Bull Soc Ophtalmol Fr** 1987 May;87(5):605-7 (Fre)

[Neovascular glaucoma and occlusion of retinal venous branches. Apropos of a case] Lemoalle JP, et al. **Bull Soc Ophtalmol Fr** 1986 Jan;86(1):43-5 (Eng. Abstr.) (Fre)

[Treatment of cystoid edema of the macula with krypton laser in retinal vein occlusions] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):889-91 (Eng. Abstr.) (Fre)

[Acute unilateral glaucoma caused by angle closure following occlusion of the central retinal vein] Segal A, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):301-3 (Eng. Abstr.) (Fre)

[Preretinal macular fibrosis and venous occlusion] Tapiero B, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1539-40, 1543-7 (Fre)

[Experiences with a modified, intraocular pressure-reducing excision of the ciliary body] Welge-Lüssen L, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):199-203 (Eng. Abstr.) (Ger)

[Remote observations of central retinal vein thrombosis] Augustyniak E, et al. **Klin Oczna** 1986 Apr;88(4):128-9 (Eng. Abstr.) (Pol)

DIAGNOSIS

Hemispheric retinal branch vein occlusions. Gómez-Ulla de Irazazabal FJ, et al. **Ophthalmologica** 1986;193(1-2):14-22

The diagnoses most commonly missed by ophthalmologists referring patients for fluorescein angiography. Irvine AR. **Ophthalmology** 1986 Sep;93(9):1216-21

Unilateral blurred vision and dilated retinal veins [clinical conference] Gittinger JW Jr, et al. **Surv Ophthalmol** 1987 Jan-Feb;31(4):270-6

[Computerized data on retinal vascular disorders (occlusion of the branches of the retinal veins and drepanocytosis)] Chaine G, et al. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:19-25 (Eng. Abstr.) (Fre)

[Retinal pseudothrombosis] Klemen C, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):369-71 (Eng. Abstr.) (Ger)

[Clinical interpretation of retinal circulatory measurements. III. Blood flow velocity and vessel diameter in normal persons and in patients with venous occlusive diseases] Vilser W, et al. **Ophthalmologica** 1986;193(1-2):97-107 (Eng. Abstr.) (Ger)

[Diagnosing residual signs after occlusion of the retinal vein and its branches in patients with hypertension] Vodovozov AM, et al. **Oftalmol Zh** 1986;(7):441-4 (Rus)

DRUG THERAPY

Venoruton in the therapy of central retinal vein occlusion. Zygulska-Mach H, et al. **Ther Hung** 1985;33(2):79-82

[Treatment of retinal vein occlusions by a platelet antiaggregant: sulfinpyrazone (Anturan 200)] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1986 Jun-Jul;86(6-7):913-5 (Eng. Abstr.) (Fre)

ETIOLOGY

Central retinal vein occlusion complicating spontaneous carotid-cavernous fistula. Case report. Brunette I, et al. **Arch Ophthalmol** 1987 Apr;105(4):464-5

Cyclic variation in onset of central retinal vein occlusion. Lavin MJ, et al. **Br J Ophthalmol** 1987 Jan;71(1):18-20

Polyarteritis presenting with thrombocytosis and central retinal vein thrombosis. Leung AC, et al. **Scott Med J** 1987 Feb;32(1):24-6

[Occlusion of the central vein and artery of the retina caused by infiltration of the optic nerve in lymphoblastic acute leukemia] Badelon I, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):261-4 (Fre)

[Occlusion of the central retinal vein with occlusion of a cilioretinal artery: apropos of 7 cases] Glacet-Bernard A, et al. **J Fr Ophtalmol** 1987;10(4):269-77 (Eng. Abstr.) (Fre)

PATHOLOGY

Assessment of angiographic retinal capillary nonperfusion in central retinal vein occlusion. Welch JC, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):761-6

Experimental occlusion of the retinal vein. Chan CC, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):507-12

Comments on 'Hemispheric retinal branch vein occlusions' by F. J. Gómez-Ulla de Irazazabal et al. [letter] Hayreh SS. **Ophthalmologica** 1987;194(2-3):154-6

[Clinical study on retinal vein occlusion. Part 2: Observation of the retinal nerve fiber layer by means of red-free fundus photography] Oshikiri M. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):1018-27 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Collateral circulation in hemicentral retinal vein occlusion. Sabates R, et al. **Ann Ophthalmol** 1983 Jul;15(7):604, 606-8

[Changes in arm-retina circulation time in vascular diseases treated with mesoglycan] Guerra R, et al. **Minerva Med** 1986 Oct 27;77(41):1937-42 (Ita)

[Hemodynamic changes and late vascular complications after thrombosis of the retinal veins] Machekhin VA, et al. **Vestn Oftalmol** 1987 May-Jun;103(3):41-5 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Prevention of clot formation in cat retinal vein by systemic and subconjunctival urokinase. Levinger S, et al. **Arch Ophthalmol** 1987 Apr;105(4):554-8

SURGERY

Pars plana vitrectomy for vitreous hemorrhage and retinal vein occlusion. Yeshaya A, et al. **Ann Ophthalmol** 1983 Jul;15(7):615-7

Laser photocoagulation for retinal vein obstruction. Morrison DL, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(2):488-94

[Clinical interpretation of retinal circulatory measurements. IV. Photocoagulation in diabetic retinopathy and venous occlusive diseases] Vilser W, et al. **Ophthalmologica** 1986; 193(1-2):108-25 (Eng. Abstr.) (Ger)

THERAPY

[Role of acute normovolemic hemodilution in treating retinal venous occlusions] Poupard P, et al. **Ann Fr Anesth Reanim** 1986;5(3):229-33 (Eng. Abstr.) (Fre)

RETINAL VESSELS

see related
FLUORESCEIN ANGIOGRAPHY

Retinal vasculitis in Crohn's disease. Duker JS, et al. **Am J Ophthalmol** 1987 May 15;103(5):664-8

Radiation retinopathy as an experimental model for ischemic proliferative retinopathy and rubeosis iridis. Irvine AR, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):790-7

Retinal neovascularization after branch retinal arterial obstruction. Kraushar MF, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):294-6

Acute bilateral posterior angiopathy with influenza A viral infection. Rabon RJ, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):289-93

Cataracts, chronic uveitis, and retinal vasculitis in Behçet's disease. Zadnik K. **Am J Optom Physiol Opt** 1987 Jan; 64(1):72-5

Alport's syndrome and retinal telangiectasia. Kondra L, et al. **Ann Ophthalmol** 1983 Jun;15(6):550-1

Bonnet-Dechaume-Blanc syndrome with large facial angioma. Brodsky MC, et al. **Arch Ophthalmol** 1987 Jun; 105(6):854-5

Subretinal neovascularization [letter] Deutman AF. **Arch Ophthalmol** 1986 Nov;104(11):1588

Branch retinal artery occlusion associated with recurrent toxoplasmic retinochoroiditis. Morgan CM, et al. **Arch Ophthalmol** 1987 Jan;105(1):130-1

A new method for vascular occlusion. Photochemical initiation of thrombosis. Nanda SK, et al. **Arch Ophthalmol** 1987 Aug;105(8):1121-4

Recurrent subretinal neovascularization [letter] Sorenson JA, et al. **Arch Ophthalmol** 1987 Jan;105(1):22

Retinal vascular abnormalities in facioscapulohumeral muscular dystrophy. A general association with genetic and therapeutic implications. Fitzsimons RB, et al. **Brain** 1987 Jun;110 (Pt 3):631-48

Eales' disease with myelopathy. Sawhney IM, et al. **Clin Neurol Neurosurg** 1986;88(3):213-5

Prevention of diabetic retinal capillary pericyte degeneration and loss by pancreatic islet allograft. Chakrabarti S, et al. **Curr Eye Res** 1987 May;6(5):649-58

Neovascularization in urethane rat retinopathy demonstrated by thymidine labelling. Shiraki K, et al. **Curr Eye Res** 1986 Sep;5(9):683-95

Idiopathic sub-retinal neovascular membranes in the macula (hemorrhagic macular choroidopathy of young adults). Clinical report and effectiveness of laser treatment. Bottoni FG, et al. **Doc Ophthalmol** 1986;64(3):311-43

Rod-cone differences in response to retinal ischemia in rabbit. Brunette JR, et al. **Doc Ophthalmol** 1986 Nov 15; 63(4):359-65

In vivo cannulation of retinal vessels. Allf BE, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):221-5

Isolation of the human T-cell leukemia/lymphotropic virus type III from aqueous humor in two patients with perivasculitis of the retinal vessels. Kestelyn P, et al. **Int Ophthalmol** 1986 Dec;9(4):247-51

Breakdown of the blood-retinal barrier in a model of retinal neovascularization. de Juan E Jr, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1108-15

Morphologic observations on experimental subretinal neovascularization in the monkey. Ishibashi T, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1116-30

Spontaneous resolution of idiopathic foveal subretinal neovascularization with preservation of vision. Roy MS, et al. **Ophthalmologica** 1987;194(2-3):106-10

Argon laser photocoagulation for macular edema in branch vein occlusion. Finkelstein D. **Ophthalmology** 1986 Jul; 93(7):975-7

Retinitis pigmentosa and retinal neovascularization. Uliss AE, et al. **Ophthalmology** 1986 Dec;93(12):1599-603

Spontaneous internal jugular vein thrombosis and venous-stasis retinopathy. Gutteridge IF, et al. **Stroke** 1987 Jul-Aug;18(4):808-11

[Computerized data on retinal vascular disorders (occlusion of the branches of the retinal veins and drepanocytosis)] Chaine G, et al. **Bull Soc Belge Ophtalmol** 1985;216 Pt 2:19-25 (Eng. Abstr.) (Fre)

[Photocoagulation and vitrectomy in neovascular proliferative retinopathy] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1399-406 (Fre)

[Purtscher's syndrome] Camuzet F, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):57-9 (Fre)

[Acute edematous capillaropathy in diabetic patients. Apropos of a new case] Ebran JM, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1505-10 (Eng. Abstr.) (Fre)

[Spontaneous course of subretinal neovessels in angioid streaks] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb; 87(2):289-90 (Fre)

[Spontaneous course of subretinal neovessels in traumatic choroidal tears] Malthieu D, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):281-2, 287-8 (Fre)

[Extensive fibrovascular proliferations in Eales' disease] Riss

I, et al. **Bull Soc Ophtalmol Fr** 1986 Dec;86(12):1549–50, 1555–8 **(Fre)**

[Failure of laser photocoagulation in ischemic retinopathy associated with carotid occlusion] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1297–9 **(Fre)**

[Long-term spontaneous course of subretinal vessels in myopia. Apropos of 61 cases] Turut P, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):275–7 **(Fre)**

[Spontaneous course of subretinal neovessels in vitelliform degeneration of the macula] Turut P, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):299–301 **(Fre)**

[Iatrogenic neovascularization. Value of a treatment by laser photocoagulation on foci of toxoplasmic choroiditis?] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):303–5 **(Fre)**

[Idiopathic peripheral vascular hypoxia] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1985 Oct;85(10):1095–7 **(Fre)**

[Eales' syndrome. Clinical aspects, therapeutic indications and course of 29 cases] Moyenin P, et al. **J Fr Ophtalmol** 1987;10(2):123–8 (Eng. Abstr.) **(Fre)**

[Individual therapy of problem patients with chronic retinal and chorioretinal circulatory disorders of various origins] Brunner R, et al. **Fortschr Ophthalmol** 1986;83(6):684–6 (Eng. Abstr.) **(Ger)**

[Disciform maculopathy—a late complication of retinal dystrophy in congenital rubella infection] Menne K, et al. **Fortschr Ophthalmol** 1986;83(5):615–6 (Eng. Abstr.) **(Ger)**

[Retinal dystrophy with Coats syndrome] Hammerstein W, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):527–9 (Eng. Abstr.) **(Ger)**

[Clinical interpretation of retinal circulatory measurements. II. Blood flow] Vilser W, et al. **Ophthalmologica** 1986; 193(1–2):88–96 (Eng. Abstr.) **(Ger)**

[Clinical interpretation of retinal circulatory measurements. I. Technical measurement possibilities and clinical interpretation aid] Vilser W, et al. **Ophthalmologica** 1986; 193(1–2):78–87 (Eng. Abstr.) **(Ger)**

[Neovascularization of the retina] Saldan IR, et al. **Oftalmol Zh** 1987;(1):58–62 (39 ref.) **(Rus)**

[Dilatation of the retinal vessels caused by styrene and tetrachloroethylene vapors] Alieva ZA, et al. **Vestn Oftalmol** 1986 Nov–Dec;102(6):40–2 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Neovascular glaucoma as a complication of the Wyburn-Mason syndrome. Effron L, et al. **J Clin Neuro Ophthalmol** 1985 Jun;5(2):95–8

Arteriovenous anastomoses of the retina. Mansour AM, et al. **Ophthalmology** 1987 Jan;94(1):35–40

[Tapeto-retinal dystrophy in relation to a blood circulation abnormality of the vortex network] Amalric P. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1299–301 (Eng. Abstr.) **(Fre)**

[Congenital abnormalities of the fundus oculi. I. Vascular abnormalities] Bryk E. **Klin Oczna** 1986 Apr;88(4):120–2 (Eng. Abstr.) **(Pol)**

[Ophthalmologic symptoms in arteriovenous aneurysms of the brain] Stegaeva OIu. **Oftalmol Zh** 1986;(6):360–4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The relationship between retinal vessel tortuosity, diameter, and transmural pressure. Kylstra JA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):477–80

Relation between superficial capillaries and foveal structures in the human retina. Iwasaki M, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1698–705

CYTOLOGY

Cell replication in retinal vessels of streptozotocin diabetic mice. Naeser P. **Acta Ophthalmol (Copenh)** 1986 Aug; 64(4):439–40

Synergistic activation of retinal capillary pericyte proliferation in culture by inositol triphosphate and diacylglycerol. Li W, et al. **Exp Eye Res** 1987 Jan; 44(1):29–35

Pericyte coverage is greater in the retinal than in the cerebral capillaries of the rat. Frank RN, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1086–91

DRUG EFFECTS

Effect of retina-derived basic and acidic fibroblast growth factor and lipoproteins on the proliferation of retina-derived capillary endothelial cells. Gospodarowicz D, et al. **Exp Eye Res** 1986 Sep;43(3):459–76

Effects of hyperbaric, normobaric and hypobaric oxygen supplementation on retinal vessels in newborn rats: a preliminary study. Ricci B. **Exp Eye Res** 1987 Mar; 44(3):459–64

[Simultaneous study of ocular vascular reactions of the anterior and posterior segments following clonidine and propranolol in normotensive and hypertensive experimental animals] Baurmann H, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):467–76 (Eng. Abstr.) **(Ger)**

[Effect of the beta-blockers timolol and pindolol on retinal hemodynamics—a videoangiography study] Richard G, et al. **Klin Monatsbl Augenheilkd** 1987 Jan;190(1):34–9 (Eng. Abstr.) **(Ger)**

INJURIES

Purtscher's retinopathy secondary to pancreatitis. Aspects of the topography of retinal abnormalities. Toshniwal PK, et al. **J Clin Neuro Ophthalmol** 1986 Sep;6(3):160–5

Richardson Cross lecture. Traumatic retinal vasculopathy. Archer DB. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):361–84

METABOLISM

Intravitreal chemotactic and mitogenic activity. Implication of blood-retinal barrier breakdown. Campochiaro PA, et al. **Arch Ophthalmol** 1986 Nov;104(11):1685–7

Identification of lectin-receptor monosaccharides on the endothelium of retinal capillaries. Pino RM, et al. **Curr Eye Res** 1986 Aug;5(8):625–8

Regulation of hexose transport in cultured bovine retinal microvessel endothelium by insulin. Allen LA, et al. **Exp Eye Res** 1986 Oct;43(4):679–86

Glycosaminoglycan synthesis and secretion by bovine retinal capillary pericytes in culture. Stramm LE, et al. **Exp Eye Res** 1987 Jan;44(1):17–28

Comparison of insulin receptors from bovine retinal blood vessels and nonvascular retinal tissue. Im JH, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1681–90

The blood-retinal barrier: leucine transport by the retinal pigment epithelium. Sellner PA. **J Neurosci** 1986 Oct; 6(10):2823–8

PATHOLOGY

Assessment of angiographic retinal capillary nonperfusion in central retinal vein occlusion. Welch JC, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):761–6

Inferences from beading of a retinal vein draining a choroidal melanoma. Johnson RN, et al. **Br J Ophthalmol** 1986 Oct; 70(10):764–5

Retinal cotton-wool spots: an early finding in diabetic retinopathy? Roy MS, et al. **Br J Ophthalmol** 1986 Oct; 70(10):772–8

Types of avulsed retinal vessels associated with rhegmatogenous retinal detachment: treatment and results. Theodossiadis GP, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):185–8

Oxygen-induced retinopathy in newborn kittens. A model for ischemic vasoproliferative retinopathy. Kremer I, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):126–30

Vascular atrophy in the retinal degenerative rd mouse. Blanks JC, et al. **J Comp Neurol** 1986 Dec 22;254(4):543–53

Measurement of retinal blood flow in various pathological conditions by video fluorescence angiography. Körber N. **Klin Wochenschr** 1986 Oct 1;64(19):950–3

Fluorescein angiogram in diabetic dogs. Ono K, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1257–61

Retinal blood vessel test in young-onset diabetic patients. Kluxen G, et al. **Ophthalmologica** 1987;194(2–3):140–4

Development of retinal arteriolar tortuosity in previously unaffected family members. Clearkin IG, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):568–74

[Subretinal neovascularization in helicoid peripapillary choroiditis] Corcostegui B, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:242–6 **(Fre)**

[Vascular and rhegmatogenous peripheral retinal changes in essential systemic arterial hypertension] Menchini U, et al. **J Fr Ophtalmol** 1986;9(6–7):435–9 (Eng. Abstr.) **(Fre)**

[Structural proteins in proliferative vitreoretinopathy] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1986;83(5):582–4 (Eng. Abstr.) **(Ger)**

[Atypical retinal changes in v. Hippel-Lindau syndrome] Schmidt D, et al. **Fortschr Ophthalmol** 1987;84(2):187–9 (Eng. Abstr.) **(Ger)**

[Clinical interpretation of retinal circulatory measurements. III. Blood flow velocity and vessel diameter in normal persons and in patients with venous occlusive diseases] Vilser W, et al. **Ophthalmologica** 1986;193(1–2):97–107 (Eng. Abstr.) **(Ger)**

[Studies on experimental subretinal neovascularization. 3. Comparative study of histological and fluorescein fundus angiographic findings] Itagaki T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1217–25 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of diabetic retinopathy. II] Bogacki S. **Klin Oczna** 1986 Aug;88(8):287–91 **(Pol)**

[Abnormal vascular anastomoses in the central retina] Streicher T. **Cesk Oftalmol** 1987 Jan;43(1):20–5 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

The light reflex in retinal vessels and its relation to age and systemic blood pressure. Brinchmann-Hansen O, et al. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):206–12

The avian pecten provides a potent substrate for growth and development of dissociated embryonic neural implants. Ehrlich D, et al. **Brain Res** 1987 May;430(1):139–44

Effect of topical timolol on the human retinal circulation. Grunwald JE. **Invest Ophthalmol Vis Sci** 1986 Dec; 27(12):1713–9

Autoregulation of human retinal blood flow. An investigation with laser Doppler velocimetry. Riva CE, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1706–12

Effects of L-timolol, D-timolol, haloperidol and domperidone on rabbit retinal blood flow measured with laser Doppler method. Yan HY, et al. **Ophthalmic Res** 1987; 19(1):45–8

PHYSIOPATHOLOGY

[Calibrometry of the retinal vessels based on fluorescence angiographic data on the fundus oculi in primary open-angle glaucoma] Birich TA. **Vestn Oftalmol** 1987 Mar-Apr;103(2):3–7 (Eng. Abstr.) **(Rus)**

SURGERY

The influence of mechanical forces and flow mechanisms on vessel occlusion. Fankhauser F, et al. **Lasers Surg Med** 1987;6(6):530–2

Laser treatment of a subretinal neovascular membrane associated with retinochoroidal coloboma. Steahly LP. **Retina** 1986 Summer-Fall;6(3):154–6

[Photocoagulation with krypton laser of subretinal vessels in macular degeneration related to age. Long-term results (apropos of 100 cases)] Coscas G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):257–8, 261–2 **(Fre)**

[Angioid streaks and subretinal neovessels: retrospective study of the results of photocoagulation with krypton laser and green argon laser] Esente S, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):293–6 **(Fre)**

[Initial results of the treatment of macular subretinal neovessels with krypton laser] Gonzales C, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):251–2, 255–6 **(Fre)**

[Subretinal neovessels in myopia. Limitations in the indications for the treatment by photocoagulation] Haut J, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):279–80 **(Fre)**

[Randomized study of the photocoagulation with blue-green argon laser in subretinal neovascularization of senile macular degeneration. 5-year follow-up] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):249–50 **(Fre)**

[Subretinal neovessels of senile macular degeneration: treatment of recurrence and limitations of photocoagulation] Soubrane G, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):263–4, 267–9 **(Fre)**

[Laser coagulations of subretinal vascular proliferations in exudative macular degeneration] Kröncke W, et al. **Fortschr Ophthalmol** 1986;83(5):611–4 (Eng. Abstr.) **(Ger)**

[Large area, peripheral cryo-application in neovascularization glaucoma] Leuenberger S, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):59–60 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Early sucrose-induced retinal vascular lesions in spontaneously hypertensive rats (SHR) and Wistar Kyoto rats (WKY). More NS, et al. **Ann Clin Lab Sci** 1986 Sep-Oct;16(5):419–26

Angiography with fluorescein-labeled dextrans in a primate model of uveitis. Lightman SL, et al. **Arch Ophthalmol** 1987 Jun;105(6):844–8

Luminal vesicles in endothelial cells of retinal and iridial vessels of the rat. Lin WL, et al. **Curr Eye Res** 1987 Jun; 6(6):785–92

Ultrastructure of sheathed vessels in the retina from patients with various diseases. Iwasaki M, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):177–84

Perturbation of the blood-retinal barrier after enzyme perfusion. A cytochemical study. Pino RM. **Lab Invest** 1987 May;56(5):475–80

[Observation of rat and rabbit retinal vasculature using intravenously injected gelatin-fluorescein preparation technic] Mikami T, et al. **Nippon Ganka Gakkai Zasshi** 1987 Mar;91(3):353–9 (Eng. Abstr.) **(Jpn)**

RETINALDEHYDE see under **RETINOIDS**

RETINITIS

COMPLICATIONS

Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis. Freeman WR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):527–36

Cytomegalovirus retinitis in rheumatic disease: a case report. Winkler A, et al. **Arthritis Rheum** 1987 Jan;30(1):106–8

[Neuroretinitis leading to blindness in a patient with Kaposi's sarcoma] Nikoskelainen E, et al. **Duodecim** 1986; 102(23–24):1772–80 **(Fin)**

[External hemorrhagic-exudative retinitis in children] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1986 Jun; 88(6):215–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Cytomegalovirus retinitis as the initial manifestation of the acquired immune deficiency syndrome. Henderly DE, et al. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):316–20

[Bilateral cytomegalovirus retinitis in an infant with fatal congenital AIDS] Daus W, et al. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):604–9 (Eng. Abstr.) **(Ger)**

[Herpes simplex encephalitis with herpes simplex retinitis]

Wessel K, et al. **Nervenarzt** 1987 Apr;58(5):317–21 (Eng. Abstr.) **(Ger)**

[Fluorescein angiography of degenerative retinitis punctata albescens with a background of other retinal degenerations] Bryk E. **Klin Oczna** 1986 Jul;88(7):258–60 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Use of intravitreal ganciclovir (dihydroxy propoxymethyl guanine) for cytomegalovirus retinitis in a patient with AIDS. Henry K, et al. **Am J Ophthalmol** 1987 Jan 15; 103(1):17–23

Use of intravitreal ganciclovir (dihydroxy propoxymethyl guanine) for cytomegalovirus retinitis in a patient with AIDS [letter] Maurice DM. **Am J Ophthalmol** 1987 Jun 15;103(6):842–3

BW B759U for cytomegalovirus retinitis: intraocular drug penetration. Jabs DA, et al. **Arch Ophthalmol** 1986 Oct; 104(10):1436–7

Dihydroxypropoxymethyl guanine in the treatment of AIDS related retinitis due to cytomegalovirus. Harris ML, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):92

Intravitreous ganciclovir for patients receiving zidovudine [letter] Henry K, et al. **JAMA** 1987 Jun 12;257(22):3066

Cytomegalovirus retinitis and response to therapy with ganciclovir. Henderly DE, et al. **Ophthalmology** 1987 Apr; 94(4):425–34

ETIOLOGY

Miliary retinitis in coccidioidomycosis. Glasgow BJ, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):24–7

Syphilitic retinitis in a patient with acquired immunodeficiency syndrome–related complex. Stoumbos VD, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):103–4

Prevalence, pathophysiology, and treatment of rhegmatogenous retinal detachment in treated cytomegalovirus retinitis [letter] Teich SA, et al. **Am J Ophthalmol** 1987 Sep 15;104(3):312–4

Ophthalmoscopic and histologic findings in cytomegalovirus retinitis treated with BW–B759U. D'Amico DJ, et al. **Arch Ophthalmol** 1986 Dec;104(12):1788–93

Branch retinal artery occlusion associated with recurrent toxoplasmic retinochoroiditis. Morgan CM, et al. **Arch Ophthalmol** 1987 Jan;105(1):130–1

AIDS, cotton wool spots, and cytomegalovirus retinitis [letter] [published erratum appears in Br Med J [Clin Res] 1986 Oct 4;293(6551):888] Kestelyn P, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):626

Immune deficiency and necrotising retinopathy. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1985;215:73–86

Treatment of cytomegalovirus retinitis in a patient with AIDS with 9–(1,3–dihydroxy–2–propoxymethyl)guanine. Macdonald EA. **Can J Ophthalmol** 1987 Feb;22(1):48–52

Virus–specific DTH prevents contralateral retinitis following intracameral inoculation of HSV–2. Atherton SS, et al. **Curr Eye Res** 1987 Jan;6(1):133–9

Histopathologic characteristics of two forms of experimental herpes simplex virus retinitis. Dix RD, et al. **Curr Eye Res** 1987 Jan;6(1):47–52

Protective effect of passive immunization on herpetic retinitis of newborn rabbits. Friedlaender RP, et al. **Curr Eye Res** 1987 Jan;6(1):161–6

A critical role for ACAID in the distinctive pattern of retinitis that follows anterior chamber inoculation of HSV–1. Streilein JW, et al. **Curr Eye Res** 1987 Jan; 6(1):127–31

Neuroretinitis in secondary syphilis. Veldman E, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):23–9

Kaposi's sarcoma of the conjunctiva and CMV–retinitis in AIDS. Visser OH, et al. **Doc Ophthalmol** 1986 Dec 30; 64(1):77–85

Uveoretinitis in rabbits following immunization with interphotoreceptor retinoid–binding protein. Eisenfeld AJ, et al. **Exp Eye Res** 1987 Mar;44(3):425–38

Retinitis and deviant immune responses following intravitreal inoculation of HSV–1. Atherton SS, et al. **Invest Ophthalmol Vis Sci** 1987 May;28(5):859–66

An immunogenetic analysis of resistance to herpes simplex virus retinitis in inbred strains of mice. Pepose JS, et al. **Invest Ophthalmol Vis Sci** 1987 Sep;28(9):1549–52

Dissociation between lymphocyte activation for proliferation and for the capacity to adoptively transfer uveoretinitis. Fox GM, et al. **J Immunol** 1987 May 15;138(10):3242–6

Development of cytomegalovirus (CMV) retinitis in a patient with AIDS during ganciclovir therapy of CMV colitis [letter] O'Donnell JJ, et al. **N Engl J Med** 1987 Jun 18; 316(25):1607–8

Antiviral therapy with ganciclovir for cytomegalovirus retinitis and bilateral exudative retinal detachments in an immunocompromised child. Rosecan LR, et al. **Ophthalmology** 1986 Nov;93(11):1401–7

Bilateral toxoplasma retinochoroiditis in a patient with acquired immune deficiency syndrome. Heinemann MH, et al. **Retina** 1986 Winter;6(4):224–7

Presumed varicella zoster retinitis in immunocompromised patients. Jabs DA, et al. **Retina** 1987 Spring;7(1):9–13

[Retinitis proliferans and malignant choroidal melanoma] Turut P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):207–8, 210 (Eng. Abstr.) **(Fre)**

[Studies of the role of human Cytomegalovirus infection in the etiology of retinitis and choroiditis. Preliminary report] Jedrzejewski D, et al. **Klin Oczna** 1986 Jun;88(6):202–3 (Eng. Abstr.) **(Pol)**

[Neuroretinitis as a presenting form of secondary syphilis (letter)] Molins A, et al. **Med Clin (Barc)** 1987 Jun 27; 89(5):215 **(Spa)**

FAMILIAL & GENETIC

[Genetic control of the differences in specific hypersensitivity reactions to retinal antigens] Simić M, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):47–55 (Eng. Abstr.) **(Scc)**

IMMUNOLOGY

Experimental autoimmune uveoretinitis (EAU) induced by retinal interphotoreceptor retinoid–binding protein (IRBP): differences between EAU induced by IRBP and by S–antigen. Fox GM, et al. **Clin Immunol Immunopathol** 1987 May;43(2):256–64

Prevention of experimental autoimmune uveoretinitis by active immunization with autoantigen–specific monoclonal antibodies. De Kozak Y, et al. **Eur J Immunol** 1987 Apr; 17(4):541–7

Immunological and immunopathological aspects of opsin–induced uveoretinitis. Broekhuyse RM, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):45–9

Antigenicity and uveitogenicity of partially purified peptides of a retinal autoantigen, S–antigen. Banga JP, et al. **Immunology** 1987 Jul;61(3):357–62

[Purification and uveogenicity of retinal antigens] Fujino Y, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):498–508 (Eng. Abstr.) **(Jpn)**

[Interleukin 2 production in S–antigen immunized rats and effects of cyclosporine] Fujino Y, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1646–52 (Eng. Abstr.) **(Jpn)**

[Experimental autoimmune uveoretinitis induced by retinal A–antigen] Tanaka T, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):145–50 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Toxoplasma antibodies and retinochoroiditis in the Marshall Islands and their association with exposure to radioactive fallout. Adams WH, et al. **Am J Trop Med Hyg** 1987 Mar; 36(2):315–20

PATHOLOGY

Does neuroretinitis rule out multiple sclerosis? Parmley VC, et al. **Arch Neurol** 1987 Oct;44(10):1045–8

Foveomacular retinitis. Kuming BS. **Br J Ophthalmol** 1986 Nov;70(11):816–8

Bilateral Coats' disease in an infant (a clinical, angiographic, light and electron microscopic study). McGettrick PM, et al. **Eye** 1987;1 (Pt 1):136–45

Immunohistochemical analysis of experimental autoimmune uveoretinitis (EAU) induced by interphotoreceptor retinoid–binding protein (IRBP) in the rat. Chan CC, et al. **Immunol Invest** 1987 Mar;16(1):63–74

SURGERY

[Preventive vitrectomy in acute necrotizing retinitis] Karsenti G, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1021–2, 1025–6 **(Fre)**

VETERINARY

Multifocal retinitis in New Zealand sheep dogs. Hughes PL, et al. **Vet Pathol** 1987 Jan;24(1):22–7

RETINITIS PIGMENTOSA

BLOOD

Decreased content of docosahexaenoate and arachidonate in plasma phospholipids in Usher's syndrome. Bazan NG, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):600–4

Abnormal plasma levels of polyunsaturated fatty acid in autosomal dominant retinitis pigmentosa. Anderson RE, et al. **Exp Eye Res** 1987 Jan;44(1):155–9

CHEMICALLY INDUCED

[Severe ocular toxicity of desferrioxamine in the hemodialyzed patient] Bournerias F, et al. **Nephrologie** 1987;8(1):27–9 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Drusen of the optic disk in retinitis pigmentosa [letter] Gartner S. **Am J Ophthalmol** 1987 Jun 15;103(6):845

Grid photocoagulation for macular edema in patients with retinitis pigmentosa [letter] Heckenlively JR. **Am J Ophthalmol** 1987 Jul 15;104(1):94–5

Ophthalmologic and systemic manifestations of Alström's disease. Millay RH, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):482–90

Grid photocoagulation for macular edema in patients with retinitis pigmentosa. Newsome DA, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):161–6

Isolated exudative maculopathy in retinitis pigmentosa. Schubert HD, et al. **Am J Ophthalmol** 1987 Jun 15; 103(6):834–5

Congenital see–saw nystagmus associated with retinitis pigmentosa. Bergin DJ, et al. **Ann Ophthalmol** 1986 Dec; 18(12):346–9

A study of Usher's syndrome (cases from Belgium and China). Zeng LH, et al. **Bull Soc Belge Ophtalmol** 1985; 216 Pt 2:69–75

Retinitis pigmentosa and deafness. Mills RP, et al. **J R Soc Med** 1987 Jan;80(1):17–20

Associated retinitis pigmentosa and fundus flavimaculatus. Fiore C, et al. **Ophthalmologica** 1987;194(2–3):111–8

Retinitis pigmentosa and retinal neovascularization. Uliss AE, et al. **Ophthalmology** 1986 Dec;93(12):1599–603

A new syndrome with ocular, skeletal and renal involvement. Cirillo Silengo M, et al. **Pediatr Radiol** 1987;17(3):238–41

[Hereditary motor and sensory neuropathy associated with retinitis pigmentosa and neural deafness] Murakami K, et al. **Rinsho Shinkeigaku** 1986 Sep;26(9):952–9 (Eng. Abstr.) **(Jpn)**

[Mitochondrial encephalomyopathy with retinitis pigmentosa, cataract, deafness, ataxia and dementia—a case report] Yamamoto M, et al. **Rinsho Shinkeigaku** 1986 Oct; 26(10):1080–7 (Eng. Abstr.) **(Jpn)**

[Pigmented retinopathy and open–angle glaucoma] Marin C. **Rev Chir [Oftalmol]** 1987 Jan–Mar;31(1):73–6 (Eng. Abstr.) **(Rum)**

[Congenital cataract, microphthalmos and pigmented pseudoretinopathy] Nicu C. **Rev Chir [Oftalmol]** 1987 Jan–Mar;31(1):67–71 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Retinal fluorescein leakage in retinitis pigmentosa [letter] Piermarocchi S, et al. **Am J Ophthalmol** 1986 Nov 15; 102(5):674–5

Fluorophotometry in retinitis pigmentosa. Schauwvlieghe P, et al. **Bull Soc Belge Ophtalmol** 1985;215:87–93

Stimulus investigative range in the perimetry of retinitis pigmentosa: some preliminary findings. Wood JM, et al. **Doc Ophthalmol** 1986 Sep 30;63(3):287–302

Acceptability of prenatal diagnosis for retinitis pigmentosa [letter] Pawlowitzki IH, et al. **Lancet** 1986 Dec 13; 2(8520):1394–5

[Pigmentary retinopathy of neonates and infants. Their examination using electroretinography and visual evoked potentials] Ostre C, et al. **J Fr Ophtalmol** 1986;9(11):707–16 (Eng. Abstr.) **(Fre)**

[Unilateral pigmented retinopathy] Menne K, et al. **Fortschr Ophthalmol** 1986;83(5):617–8 (Eng. Abstr.) **(Ger)**

[Retinal dystrophy with Coats syndrome] Hammerstein W, et al. **Klin Monatsbl Augenheilkd** 1987 Jun;190(6):527–9 (Eng. Abstr.) **(Ger)**

[Coat's type retinitis pigmentosa] Ide CH, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):205–6 (Eng. Abstr.) **(Ger)**

[Progressive nuclear ophthalmoplegic myopathy with retinitis pigmentosa, scrotal tongue and intellectual deterioration—a nosologically independent syndrome?] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1987; 87(3):321–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Use of taufon in pigmented dystrophy of the retina] Vodovozov AM, et al. **Vestn Oftalmol** 1986 Nov–Dec; 102(6):38–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Cockayne's syndrome [letter] Lewis JM. **Clin Pediatr (Phila)** 1987 Mar;26(3):156

Systemic diseases with retinitis pigmentosa–like changes. Wilson DJ, et al. **Md Med J** 1986 Dec;35(12):1011–30

[Tapeto–retinal dystrophy in relation to a blood circulation abnormality of the vortex network] Amalric P. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1299–301 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Autosomal recessive inheritance in 'senile' retinitis pigmentosa. Grøndahl J. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):231–6

Usher syndrome in four Norwegian counties. Grøndahl J, et al. **Clin Genet** 1986 Jul;30(1):14–28

Genetic linkage between X–linked retinitis pigmentosa and DNA probe DXS7 (L1.28): further linkage data, heterogeneity testing, and risk estimation. Clayton JF, et al. **Hum Genet** 1986 Oct;74(2):168–71

Genetic study of retinitis pigmentosa in China. Zeng LH, et al. **Ophthalmologica** 1987;194(1):34–9

Snowflake degeneration: an independent entity or a variant of retinitis pigmentosa? Chen CJ, et al. **South Med J** 1986 Oct;79(10):1216–23

[Retinitis pigmentosa—more families are needed to localize the genes] Gyftodimou J, et al. **Lakartidningen** 1986 Oct 1;83(40):3323, 3326–7 **(Swe)**

IMMUNOLOGY

Antibodies to neurofilament protein in retinitis pigmentosa. Galbraith GM, et al. **J Clin Invest** 1986 Oct;78(4):865–9

METABOLISM

Cu, Zn and SOD determination in patients with retinitis

pigmentosa. Tsata-Voyatzoglou V, et al.
Trans Ophthalmol Soc UK 1986;105 (Pt 3):345-7
[Copper and zinc metabolism in primary retinitis pigmentosa] Zheng JZ. **Chung Hua Yen Ko Tsa Chih** 1987 Mar; 23(2):85-7 (Eng. Abstr.) **(Chi)**

OCCURRENCE

Estimation of prognosis and prevalence of retinitis pigmentosa and Usher syndrome in Norway. Grøndahl J. **Clin Genet** 1987 Apr;31(4):255-64

PATHOLOGY

Transmission electron microscopic observations of vitreous abnormalities in retinitis pigmentosa [letter] Gouras P. **Am J Ophthalmol** 1987 Mar 15;103(3 Pt 1):345
Drusen of the optic disk in retinitis pigmentosa. Novack RL, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):44-7
Evaluation of vitreous body integrity in retinitis pigmentosa by vitreous fluorophotometry. Ogura Y, et al.
Arch Ophthalmol 1987 Apr;105(4):517-9
Retinitis pigmentosa with segmental massive retinal gliosis. An immunohistochemical, biochemical, and ultrastructural study. Rodrigues MM, et al. **Ophthalmology** 1987 Feb; 94(2):180-6

PHYSIOPATHOLOGY

Tissue culture method sheds light on retinitis pigmentosa. Springer M. **Arch Ophthalmol** 1986 Dec;104(12):1758
Abnormal fuveal spectral sensitivity in retinitis pigmentosa. Alexander KR, et al. **Invest Ophthalmol Vis Sci** 1987 Apr; 28(4):725-30
The relationship between rod perimetric thresholds and full-field rod ERGs in retinitis pigmentosa. Birch DG, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):954-65
Rod ERGs in retinitis pigmentosa and cone-rod degeneration. Birch DG, et al.
Invest Ophthalmol Vis Sci 1987 Jan;28(1):140-50
Visual function in retinitis pigmentosa. Rabin J.
J Am Optom Assoc 1986 Nov;57(11):840-2
Is there genetic heterogeneity in Usher's syndrome? Matthews TW, et al. **J Otolaryngol** 1987 Mar;16(2):61-6
Neuromuscular investigations in retinitis pigmentosa. Bastiaensen LA, et al. **Ophthalmologica** 1987;194(4):185-7
Automated light- and dark-adapted perimetry for evaluating retinitis pigmentosa. Jacobson SG, et al. **Ophthalmology** 1986 Dec;93(12):1604-11

THERAPY

[Retinitis pigmentosa and hyperbaric oxygen therapy] Vérin P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug-Sep; 86(8-9):1071-2, 1074 **(Fre)**

RETINOBLASTOMA

VI meeting of the International Society of Genetic Eye Disease and the III International Symposium on Retinoblastoma. May 1-3, 1986, Amsterdam, The Netherlands. Proceedings. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):1-76
Cutaneous malignant melanoma and bilateral retinoblastomas: a case report and review of the literature. Ngo RS, et al. **Pediatr Pathol** 1986;6(2-3):227-32
[Spontaneous regression of bilateral retinoblastoma] Krasnovid TA. **Oftalmol Zh** 1987;(4):248-9 **(Rus)**

ANALYSIS

Binding patterns of lectins to human retinoblastoma cells: preliminary findings. Bialasiewicz AA, et al.
Cancer Detect Prev 1987;10(1-2):63-70
Cellular retinoic acid binding protein (CRABP) in retinoblastoma. Daxecker F, et al.
Ophthalmic Paediatr Genet 1987 Mar;8(1):47-8

BLOOD SUPPLY

Structural characterization of neovascularization in adenovirus-12-induced retinal tumor. Sawada T, et al.
Acta Pathol Jpn 1987 Mar;37(3):457-64

CEREBROSPINAL FLUID

Elevation of cerebrospinal fluid catecholamine metabolites in patients with intracranial tumors of neuroectodermal origin. Bostrom B, et al. **J Clin Oncol** 1987 Jul;5(7):1090-7

COMPLICATIONS

Osteosarcoma as a primary second tumor in a patient with nonhereditary retinoblastoma. Sudanese A, et al. **Tumori** 1986 Oct 31;72(5):535-7

CONGENITAL

Congenital retinoblastoma: a case report. Plotsky D, et al. **J Pediatr Ophthalmol Strabismus** 1987 May-Jun; 24(3):120-3

DIAGNOSIS

Early diagnosis in hereditary retinoblastoma by detection of molecular deletions at gene locus [letter] Horsthemke B, et al. **Lancet** 1987 Feb 28;1(8531):511-2
Historic review of retinoblastoma. Albert DM.
Ophthalmology 1987 Jun;94(6):654-62 (86 ref.)
Retinoblastoma with anterior chamber extension. Haik BG, et al. **Ophthalmology** 1987 Apr;94(4):367-70
Early diagnosis of retinoblastoma based on dysmorphic features and karyotype analysis. Seidman DJ, et al.
Ophthalmology 1987 Jun;94(6):663-6
Retinoblastoma and simulating lesions: role of CT and MR imaging. Mafee MF, et al. **Radiol Clin North Am** 1987 Jul; 25(4):667-82
[Error in the interpretation of echography in a case of retinoblastoma] Chic F, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):173-5 (Eng. Abstr.) **(Fre)**
[Inflammatory pseudoglioma caused by Toxocara canis (anatomo-clinical study of a case)] Risse JP, et al.
Bull Soc Ophtalmol Fr 1985 Oct;85(10):1089-92 (Eng. Abstr.) **(Fre)**
[Early diagnosis of retinoblastoma] Sekkat A, et al.
Bull Soc Ophtalmol Fr 1986 Oct;86(10):1241-6 **(Fre)**
[Differential diagnosis between retinoblastoma and ocular toxocariasis] Van Nerom PR, et al. **J Fr Ophtalmol** 1987; 10(4):279-82 (Eng. Abstr.) **(Fre)**
[Age at diagnosis and laterality of retinoblastoma] Zeller GX, et al. **Bull Soc Belge Ophtalmol** 1985;214:35-43 (Eng. Abstr.) **(Ger)**
[Uncertain retinal tumor in a child: retinoma? Astrocytic hamartoma?] Bigar F, et al. **Fortschr Ophthalmol** 1986; 83(6):626-8 (Eng. Abstr.) **(Ger)**
[Diagnostic importance of LDH activity in the chamber fluid in intraocular tumors] Golubović M, et al.
Vojnosanit Pregl 1986 Sep-Oct;43(5):364-6 (Eng. Abstr.) **(Ser)**

DRUG THERAPY

Treatment of trilateral retinoblastoma with vincristine and cyclophosphamide. Malik RK, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):650-6
Ocular penetration, toxicity, and radiosensitization effects of two hypoxic cell radiosensitizers on retinoblastoma. Rootman J, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1693-7
Photoradiation therapy using argon laser and a hematoporphyrin derivative for retinoblastoma--a preliminary report. Ohnishi Y, et al. **Jpn J Ophthalmol** 1986;30(4):409-19
Porphyrin photodynamic therapy in an experimental retinoblastoma model. Winther J.
Ophthalmic Paediatr Genet 1987 Mar;8(1):49-52

ENZYMOLOGY

Hydroxyindole-O-methyltransferase in Y-79 human retinoblastoma cells: effect of cell attachment. Kyritsis AP, et al. **J Neurochem** 1987 May;48(5):1612-6
Lactate dehydrogenase in retinoblastoma: an immunohistochemical study of twelve eyes. Leung RJ, et al. **Jpn J Ophthalmol** 1986;30(3):288-97

ETIOLOGY

60Co radiation-induced transformation to anchorage independence of fibroblast from normal persons and patients with inherited predisposition to retinoblastoma. Wang Y, et al. **Carcinogenesis** 1986 Nov;7(11):1927-9

FAMILIAL & GENETIC

Recessive cancer genes and chromosomal mechanisms in tumorigenesis. Nordenskjöld M, et al. **Ann Clin Res** 1986; 18(5-6):307-13
The need to screen all retinoblastoma patients for esterase D activity: detection of submicroscopic chromosome deletions. Cowell JK, et al. **Arch Dis Child** 1987 Jan; 62(1):8-11
Retinoblastoma--genetic insights into neoplasia. Nyhan WL. **Bioessays** 1987 Jan;6(1):5-8 (30 ref.)
An assessment of the usefulness of electrophoretic variants of esterase-D in the antenatal diagnosis of retinoblastoma in the United Kingdom. Cowell JK, et al. **Br J Cancer** 1987 Jun;55(6):661-4
X-ray sensitivity of fibroblasts from patients with hereditary retinoblastoma and their families. Pledger JV, et al.
Br J Cancer 1987 Jun;55(6):617-21
Immunogenetic studies in retinoblastoma. Roberts DF, et al.
Br J Ophthalmol 1986 Sep;70(9):686-91
A chromosomal breakpoint that separates the esterase D and retinoblastoma predisposition loci in a patient with del(13)(q14q31). Cowell JK, et al.
Cancer Genet Cytogenet 1987 Jul;27(1):27-31
Molecular detection and differentiation of deletions in band 13q14 in human retinoblastoma. Lalande M, et al.
Cancer Genet Cytogenet 1986 Oct;23(2):151-7
Complete or partial homozygosity of chromosome 13 in primary retinoblastoma. Benedict WF, et al. **Cancer Res** 1987 Aug 1;47(15):4189-91
In vitro sensitivity of normal and hereditary retinoblastoma fibroblasts to DNA-damaging agents. Woods WG, et al.
Cancer Res 1986 Dec;46(12 Pt 1):6305-10
Reverse genetics and human disease. Orkin SH. **Cell** 1986 Dec 26;47(6):845-50 (56 ref.)
High resolution chromosome results in retinoblastoma families. Emslie J, et al. **Clin Genet** 1986 Aug;30(2):117-21
Molecular genetics of human familial cancer. Cavenee WK, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:829-35
Re-evaluation of the sublocalization of esterase D and its relation to the retinoblastoma locus by in situ hybridization. Duncan AM, et al. **Cytogenet Cell Genet** 1987;44(2-3):153-7
De novo t(2;13)(p24.3;q14.2) and retinoblastoma. Mapping of two 13q14 probes by in situ hybridization. Blanquet V, et al. **Hum Genet** 1987 May;76(1):102-5
De novo complex autosomal translocation involving chromosomes 8, 13 and 15 in a girl with a sporadic retinoblastoma. Calzolari E, et al. **Hum Genet** 1987 Sep; 77(1):51-4
Effect of the esterase-D phenotype on its in vitro enzyme activity. Cowell JK, et al. **Hum Genet** 1986 Nov; 74(3):298-301
Detection of submicroscopic deletions and a DNA polymorphism at the retinoblastoma locus. Horsthemke B, et al. **Hum Genet** 1987 Jul;76(3):257-61
A null allele of esterase D is a marker for genetic events in retinoblastoma formation. Lee WH, et al.
Hum Genet 1987 May;76(1):33-6
A straightforward approach to isolate DNA sequences with potential linkage to the retinoblastoma locus. Scheffer H, et al. **Hum Genet** 1986 Nov;74(3):249-55
Translocation X;13 in a patient with retinoblastoma. Ponzio G, et al. **J Med Genet** 1987 Jul;24(7):431-4
A simplified scheme for genetic counseling in retinoblastoma. Musarella MA, et al. **J Pediatr Ophthalmol Strabismus** 1987 May-Jun;24(3):124-5
First anti-oncogene discovered; linked to the development of retinoblastoma [news] Merz B. **JAMA** 1987 Jan 9; 257(2):152
Should all patients with retinoblastoma be screened for chromosome deletions? [editorial] **Lancet** 1987 Mar 7; 1(8532):544-5
Retinoblastoma, melanoma, and pancreatic cancer [letter] DerKinderen DJ, et al. **Lancet** 1986 Dec 6;2(8519):1335-6
Retinoblastoma and deletions of chromosome 13 [letter] Jones D. **Lancet** 1987 May 2;1(8540):1043
Trilateral retinoblastoma [clinical conference] Meadows A. **Med Pediatr Oncol** 1986;14(6):323-6
Fibroblasts from patients with inherited predisposition to retinoblastoma exhibit normal sensitivity to the mutagenic effects of ionizing radiation. Wang Y, et al. **Mutat Res** 1986 Oct;175(2):107-14
Risk of retinoblastoma [letter] Bonaïti-Pellie C, et al.
N Engl J Med 1986 Oct 23;315(17):1096-7
A human DNA segment with properties of the gene that predisposes to retinoblastoma and osteosarcoma. Friend SH, et al. **Nature** 1986 Oct 16-22;323(6089):643-6
High-resolution chromosome analysis in retinoblastoma. Toncheva D, et al. **Neoplasma** 1987;34(1):23-6
Non-ocular cancer in hereditary retinoblastoma survivors and relatives. Derkinderen DJ, et al.
Ophthalmic Paediatr Genet 1987 Mar;8(1):23-5
Activity of red cell esterase D in 50 cases of retinoblastoma patients and their family members. Fujiki K, et al.
Ophthalmic Paediatr Genet 1987 Mar;8(1):19-21
Retinoblastoma, chromosome abnormalities and oncogene expression. Gilbert F, et al. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):3-10 (19 ref.)
Constitutional karyotypes in retinoblastoma. Turleau C, et al. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):11-7 (26 ref.)
Molecular detection of deletions involving band q14 of chromosome 13 in retinoblastomas. Dryja TP, et al.
Proc Natl Acad Sci USA 1986 Oct;83(19):7391-4
Structural evidence for the authenticity of the human retinoblastoma gene. Fung YK, et al. **Science** 1987 Jun 26; 236(4809):1657-61
Two disease-causing genes found [news] Kolata G.
Science 1986 Nov 7;234(4777):669-70
Human cancer gene sequenced [news] Kolata G. **Science** 1987 Mar 13;235(4794):1323
Human retinoblastoma susceptibility gene: cloning, identification, and sequence. Lee WH, et al. **Science** 1987 Mar 13;235(4794):1394-9
[Familial bilateral spontaneous regression of a retinoblastoma] Chams H, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:385-7 **(Fre)**
[Genetics and epidemiology of retinoblastoma] Matsunaga E. **Gan No Rinsho** 1987 Apr;33(5 Suppl):507-13 (Eng. Abstr.) **(Jpn)**

HISTORY

[Historical notes on retinoblastoma: apropos of 2 ancient terracotta figures] Munier F, et al.
Rev Med Suisse Romande 1987 Jul;107(7):591-7 **(Fre)**

IMMUNOLOGY

S-antigen immunoreactivity in trilateral retinoblastoma. Donoso LA, et al. **Am J Ophthalmol** 1987 Jan 15; 103(1):57-62
Immunohistochemical characterization of human retinoblastomas in situ with multiple markers. Perentes E, et al. **Am J Ophthalmol** 1987 May 15;103(5):647-58
Heterogenous expression of antigenic markers on retinoblasts. BenEzra D, et al. **Ophthalmic Paediatr Genet** 1987 Mar; 8(1):27-34
Interferon enhances the natural killer cell activity of the retinoblastoma patients to autologous retinoblastoma cells. Sasabe T, et al. **Ophthalmic Paediatr Genet** 1987 Mar; 8(1):43-6

Studies of ocular retinoblastomas with immunoperoxidase techniques. Garrido CM, et al. **Ophthalmologica** 1986; 193(4):242–7

Retinoblastoma. Immunohistochemistry and cell differentiation. Rodrigues MM, et al. **Ophthalmology** 1987 Apr;94(4):378–87

Expression of the HNK-1 carbohydrate epitope in human retina and retinoblastoma. An immunohistochemical study with the anti-Leu-7 monoclonal antibody. Kivelä T. **Virchows Arch [A]** 1986;410(2):139–46

METABOLISM

S-100 protein in retinoblastoma revisited. An immunohistochemical study. Kivelä T, et al. **Acta Ophthalmol (Copenh)** 1986 Dec;64(6):664–73

Saturation analysis of cellular retinoid binding proteins: application to retinoic acid resistant human neuroblastoma cells and to human tumors. Kelly MA, et al. **Biochem Cell Biol** 1987 Feb;65(2):163–72

Amino acid and putative neurotransmitter transport in human Y79 retinoblastoma cells. Effect of insulin and insulin-like growth factor. Yorek MA, et al. **J Biol Chem** 1987 Aug 15;262(23):10986–93

Effect of ethanolamine on choline uptake and incorporation into phosphatidylcholine in human Y79 retinoblastoma cells. Yorek MA, et al. **J Lipid Res** 1986 Nov; 27(11):1205–13

Synthesis and high affinity uptake of serotonin and dopamine by human Y79 retinoblastoma cells. Yorek MA, et al. **J Neurochem** 1987 Oct;49(4):1316–23

Retinoic acid- and retinol binding proteins in melanomas and retinoblastomas. Daxecker F, et al. **Ophthalmologica** 1987; 194(2-3):126–7

OCCURRENCE

[Retinoblastoma. Apropos of 125 cases] François P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):177–8, 181 (Eng. Abstr.) **(Fre)**

[Retinoblastoma: 21-year review] Kayembe L. **J Fr Ophtalmol** 1986;9(8-9):561–5 (Eng. Abstr.) **(Fre)**

PATHOLOGY

In vitro and in vivo growth of an intraocular retinoblastoma-like tumour in F-344 rats. Winther J. **Acta Ophthalmol (Copenh)** 1986 Dec;64(6):657–63

An immunohistopathologic study of trilateral retinoblastoma. Rodrigues MM, et al. **Am J Ophthalmol** 1987 Jun 15; 103(6):776–81

Multipotential differentiation of human Y-79 retinoblastoma cells in attachment culture. Chader GJ. **Cell Differ** 1987 Mar;20(2–3):209–16

Retinoblastoma--a clinicopathological review of 78 cases. Ratnakar KS. **Indian J Pathol Microbiol** 1986 Oct; 29(4):406–13

Retinoblastoma cell differentiation in culture. Bogenmann E. **Int J Cancer** 1986 Dec 15;38(6):883–7

Retinoblastoma: a primitive tumor with multipotential characteristics. Kyritsis AP, et al. **Invest Ophthalmol Vis Sci** 1986 Dec;27(12):1760–4

X-radiation-induced chromosome breakage in retinoblastoma lymphocytes. García Heras J, et al. **Mutat Res** 1987 Jun;178(2):225–33

The nutritional sources and limits of intraocular retinoblastoma growth. Wolter JR. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):35–42

Multivariate analysis of risk factors for metastasis in retinoblastoma treated by enucleation. Kopelman JE, et al. **Ophthalmology** 1987 Apr;94(4):371–7

Retinoblastoma. A clinical, immunohistochemical, and electron microscopic case report. Rodrigues MM, et al. **Ophthalmology** 1986 Aug;93(8):1010–5

Unilateral vs. bilateral retinoblastoma. Correlations between age at diagnosis and stage of ocular disease. Rubenfeld M, et al. **Ophthalmology** 1986 Aug;93(8):1016–9

Retinoblastoma. Rootman J, et al. **Perspect Pediatr Pathol** 1987;10:208–58 (189 ref.)

Glycoconjugates in retinoblastoma. A lectin histochemical study of ten formalin-fixed and paraffin-embedded tumours. Kivelä T. **Virchows Arch [A]** 1987;410(6):471–9

Immunohistochemical demonstration of glial markers in retinoblastomas. Schrøder HD. **Virchows Arch [A]** 1987; 411(1):67–72

[Optic neuroinvasiveness of retinoblastoma and its clinical significance] Rehuřek J, et al. **Cesk Oftalmol** 1987 May; 43(3):167–72 (Eng. Abstr.) **(Cze)**

[Retrospective study of the prognosis of 51 cases of retinoblastoma] Bronner A, et al. **Bull Soc Ophtalmol Fr** 1986 Mar;86(3):373–6 (Eng. Abstr.) **(Fre)**

[Value of ophthalmoscopy and histology for the prognosis of patients with retinoblastoma] Messmer EP, et al. **Klin Padiatr** 1987 May-Jun;199(3):200–3 (Eng. Abstr.) **(Ger)**

[Cytotoxic effects of prostaglandins on human retinoblastoma cells in vitro] Nakamura M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):915–21 (Eng. Abstr.) **(Jpn)**

[Retinoblastoma with suprasellar extension: report of a case] De Martino ML, et al. **Arq Neuropsiquiatr** 1986 Jun; 44(2):191–4 (Eng. Abstr.) **(Por)**

PREVENTION & CONTROL

[Prevention of bilateralization of a retinoblastoma] Vérin P, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):183–6 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Computed tomography of retinoblastoma. Lindahl S. **Acta Radiol [Diagn] (Stockh)** 1986 Sep-Oct;27(5):513–8

RADIOTHERAPY

Sightsaving therapy in retinoblastoma. Experience with external megavoltage radiotherapy. Monge OR, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):414–20

Effects of ionizing radiation on retinoblastoma and on the normal ocular fundus in infants. A photographic and fluorescein angiographic study. Ehlers N, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1987;181:3–84

Modern lateral external beam (lens sparing) radiotherapy for retinoblastoma. Harnett AN, et al. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):53–61

Retinoblastoma treated with a 60Co applicator. Kock E, et al. **Radiother Oncol** 1986 Sep;7(1):19–25

[Conservative treatment of tumors of the retina at the Curie Institute. 5-year ophthalmologic results of 129 cases treated with the Stallard disc and electrons] Haye C, et al. **Bull Cancer (Paris)** 1986;73(3):260–70 (Eng. Abstr.) **(Fre)**

SECONDARY

Chromosomes of metastatic retinoblastoma. Daly HA, et al. **Arch Dis Child** 1987 Apr;62(4):410–1

Chemotherapy in metastatic retinoblastoma. Kingston JE, et al. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):69–72

Second nonocular tumors in retinoblastoma survivors: are they radiation-induced? [letter] DerKinderen DJ, et al. **Ophthalmology** 1986 Aug;93(8):1124–5

SURGERY

Orbital recurrence of retinoblastoma. Hungerford J, et al. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):63–8

THERAPY

Cytogenetic evidence for involvement of erythroid progenitors in a child with therapy linked myelodysplasia. Grier HE, et al. **Br J Haematol** 1986 Nov;64(3):513–9

Retinoblastoma: recent concept in diagnosis and management. **Indian J Ophthalmol** 1984 Jul-Aug; 32(4):251–4

Treatment of bilateral retinoblastoma stage V at the Curie Foundation. 33 cases. Haye C, et al. **Ophthalmic Paediatr Genet** 1987 Mar;8(1):73–6

[Development under treatment of 23 cases of retinoblastoma] Hachet E, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):367–71 (Eng. Abstr.) **(Fre)**

[Prognosis in children treated for retinoblastoma in the first year of life] Zygulska-Machowa H, et al. **Klin Oczna** 1986 Jun;88(6):199–201 (Eng. Abstr.) **(Pol)**

[Various problems of the treatment of retinoblastoma in children] Durnov LA, et al. **Pediatriia** 1986 Aug;(8):37–40 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Electron microscopy and HLA expression of a new cell line of retinoblastoma. Fournier GA, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):690–9

[Ultrastructural and immunohistochemical study of retinoblastoma] Zhao F. **Chung-hua Ping Li Hsueh Tsa Chih** 1987 Mar;16(1):18–21 (Eng. Abstr.) **(Chi)**

RETINOIC ACID see **TRETINOIN**

RETINOIDS

Mechanism of isomerization of 11-cis-retinal in lipid dispersions by aromatic amines. Fulton BS, et al. **Biochemistry** 1987 Jan 13;26(1):110–4

Low-temperature solid-state 13C NMR studies of the retinal chromophore in rhodopsin. Smith SO, et al. **Biochemistry** 1987 Mar 24;26(6):1606–11

Photoinitiated ion movements in bilayer membranes containing magnesium octaethylporphyrin. Woodle MC, et al. **Biophys J** 1986 Sep;50(3):431–9

Retinoids. Roenigk HH Jr. **Cutis** 1987 Apr;39(4):301–5

Photochromism of halorhodopsin. cis/trans isomerization of the retinal around the 13-14 double bond. Lanyi JK. **J Biol Chem** 1986 Oct 25;261(30):14025–30

Separation and identification of geometric isomers of 3-hydroxyretinoids and occurrence in the eyes of insects. Goldsmith TH, et al. **Vision Res** 1986;26(11):1763–9

[Retinoids] Zamora Martínez E, et al. **Rev Clin Esp** 1987 Mar;180(4):209–13 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Methotrexate and retinoids in combination for psoriasis [letter] Harrison PV, et al. **Lancet** 1987 Aug 29;2(8557):512

ADVERSE EFFECTS

Photosensitivity due to retinoids: clinical and laboratory studies. Ferguson J, et al. **Br J Dermatol** 1986 Sep; 115(3):275–83

Hypervitaminosis A syndrome: a paradigm of retinoid side effects. Silverman AK, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1027–39 (82 ref.)

Teratology Society position paper: recommendations for vitamin A use during pregnancy. **Teratology** 1987 Apr; 35(2):269–75

[Side-effects of retinoids] Auffret N, et al. **Ann Dermatol Venereol** 1986;113(8):741–5 (53 ref.) **(Fre)**

[Adverse effects of oral retinoids] Gilardi S. **Ther Umsch** 1986 Sep;43(9):712–4 (3 ref.) (Eng. Abstr.) **(Fre)**

[Unwanted bone changes in systemic treatment with synthetic retinoids] Melnik B, et al. **Hautarzt** 1987 Apr; 38(4):193–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

High-resolution solid-state 13C-NMR study of carbons C-5 and C-12 of the chromophore of bovine rhodopsin. Evidence for a 6-S-cis conformation with negative-charge perturbation near C-12. Mollevanger LC, et al. **Eur J Biochem** 1987 Feb 16;163(1):9–14

Detection of radical species in mixtures of some retinoids with hematin by using the ESR spin-trapping technique. Ikeda A, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):743–9

Glycolipids of the bovine pineal organ and retina. Matsui É, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):423–32

Detection of some retinoid radicals using high-performance liquid chromatography with electron spin resonance spectroscopy or electrochemical detection. Iwahashi H, et al. **J Chromatogr** 1987 Mar 27;391(1):199–205

Identification and spatial distribution of retinoids in the developing chick limb bud. Thaller C, et al. **Nature** 1987 Jun 18-24;327(6123):625–8

BLOOD

Effects of estrogen/progestin agents on plasma retinoids and chylomicron remnant metabolism. Gleeson JM, et al. **Contraception** 1987 Jan;35(1):69–78

ISOLATION & PURIFICATION

An improved HPLC method for the separation of retinaldehyde isomers from visual pigments. Pepe IM, et al. **Photochem Photobiol** 1987 May;45(5):679–81

METABOLISM

Study of the shape of the binding site of bovine opsin using 10-substituted retinal isomers. Asato AE, et al. **Biochemistry** 1986 Nov 4;25(22):7021–6

In vivo isomerization of all-trans- to 11-cis-retinoids in the eye occurs at the alcohol oxidation state. Bernstein PS, et al. **Biochemistry** 1986 Oct 21;25(21):6473–8

Photosensitivity of 10-substituted visual pigment analogues: detection of a specific secondary opsin-retinal interaction. Liu RS, et al. **Biochemistry** 1986 Nov 4;25(22):7026–30

Structure of a protein catalyzing the formation of 11 cis-retinal in the visual cycle of invertebrate eyes. Pepe IM, et al. **Cell Biophys** 1987 Feb;10(1):15–22

Nonenzymatic isomerization of all-trans- and 13-cis-retinoids catalyzed by sulfhydryl groups. Shih TW, et al. **Drug Metab Dispos** 1986 Nov-Dec;14(6):698–702

Studies on the in vivo transfer of retinoids from parenchymal to stellate cells in rat liver. Blaner WS, et al. **Eur J Biochem** 1987 Apr 15;164(2):301–7

Binding of 11-cis retinaldehyde to the partially purified cellular retinaldehyde binding protein from bovine retinal pigment epithelium. Livrea MA, et al. **Experientia** 1987 May 15;43(5):582–6

Retinal Schiff base position relative to the surfaces of photoreceptor disk. Abdulaev NG, et al. **FEBS Lett** 1987 Mar 9;213(1):113–8

Studies of rhodopsin and bacteriorhodopsin using modified retinals. Crouch RK. **Photochem Photobiol** 1986 Dec; 44(6):803–7 (51 ref.)

Isomerization of all-trans-retinoids to 11-cis-retinoids in vitro. Bernstein PS, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1849–53

[Retinoids and their binding proteins from basic science to clinical medicine] Kanai M. **Rinsho Byori** 1986 May; 34(5):483–500 (43 ref.) **(Jpn)**

PHARMACODYNAMICS

Effects of retinoids on type IV collagenolytic activity in melanoma cells. Oikarinen A, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):346–8

Assessment of retinoid-induced differentiation of F9 embryonal carcinoma cells with an enzyme-linked immunoadsorbent assay for laminin: statistical comparison of dose-response curves. Williams JB, et al. **Anal Biochem** 1987 Feb 1;160(2):267–74

Retinoid modulation of collagenase production by adherent human mononuclear cells in culture. Ohta A, et al. **Ann Rheum Dis** 1987 May;46(5):357–62

Effect of orally administered aromatic retinoid on murine Langerhans cells. Shiohara T, et al. **Arch Dermatol Res** 1987;279(3):198–203

Procollagen gene expression by scleroderma fibroblasts in culture. Inhibition of collagen production and reduction

of pro alpha 1(I) and pro alpha 1(III) collagen messenger RNA steady-state levels by retinoids. Ohta A, et al. **Arthritis Rheum** 1987 Apr;30(4):404–11

13-cis-retinal stimulates proliferation and induces intranuclear protein accumulation in the human mammary tumor cells MCF-7. Resnicoff M, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):309–15

Synthesis of mucous glycoproteins by rabbit tracheal cells in vitro. Modulation by substratum, retinoids and cyclic AMP. Rearick JI, et al. **Biochem J** 1987 Feb 15; 242(1):19–25

Demonstration of cellular retinoic acid binding protein (CRABP) in chick embryo tendon cells and effects of retinoids on collagen synthesis in tendon and sterna. Oikarinen AI, et al. **Biochem Pharmacol** 1986 Oct 1; 35(19):3393–400

Regulation of differentiation of airway epithelial cells by retinoids. Jetten AM, et al. **Biochem Soc Trans** 1986 Oct; 14(5):930–3

Biological properties and chemistry of some new retinoids. Wüst HH, et al. **Biochem Soc Trans** 1986 Oct;14(5):933–6

New benzoic acid derivatives with retinoid activity: lack of direct correlation between biological activity and binding to cellular retinoic acid binding protein. Jetten AM, et al. **Cancer Res** 1987 Jul 1;47(13):3523–7

Effects of retinoids on metabolizing enzymes and on binding of benzo(a)pyrene to rat tissue DNA. McCarthy DJ, et al. **Cancer Res** 1987 Oct 1;47(19):5014–20

Retinoids as preventive and therapeutic anticancer agents (Part I). Lippman SM, et al. **Cancer Treat Rep** 1987 Apr; 71(4):391–405 (225 ref.)

In vitro effects of retinoids on murine thymus-dependent and thymus-independent mitogenesis. Dillehay DL, et al. **Cell Immunol** 1987 Jun;107(1):130–7

The effects of retinoids on cartilage differentiation in micromass cultures of chick facial primordia and the relationship to a specific facial defect. Wedden SE, et al. **Dev Biol** 1987 Jul;122(1):78–89

Effects of retinoids on differentiation, lipid metabolism, epidermal growth factor, and low-density lipoprotein binding in squamous carcinoma cells. Ponec M, et al. **Exp Cell Res** 1987 Aug;171(2):426–35

The in vitro characterization of the inhibition of mouse brain protein kinase-C by retinoids and their receptors. Cope FO, et al. **Experientia** 1986 Sep 15;42(9):1023–7

A commentary on the inhibition by retinoids of leukotriene B4 production in leukocytes. Randall RW, et al. **FEBS Lett** 1987 Apr 6;214(1):167–70

Suppression of carcinogenesis by retinoids: interactions with peptide growth factors and their receptors as a key mechanism. Sporn MB, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:149–58 (25 ref.)

Retinoid effects on fibroblast proliferation and collagen synthesis in vitro and on fibrotic disease in vivo. Daly TJ, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):900–2

Epidermal effects of retinoids: in vitro studies. Eichner R. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):789–97 (31 ref.)

Epidermal effects of retinoids: supramolecular observations and clinical implications. Elias PM. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):797–809 (36 ref.)

Topical retinoids: in vivo predictive assays. Lowe NJ. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):766–72 (41 ref.)

Mechanism of action of retinoids. Sporn MB, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):756–64

Characterization of transglutaminase activity in rabbit tracheal epithelial cells. Regulation by retinoids. Jetten AM, et al. **J Biol Chem** 1986 Nov 15;261(32):15097–101

Accumulation of cholesterol 3-sulfate during in vitro squamous differentiation of rabbit tracheal epithelial cells and its regulation by retinoids. Rearick JI, et al. **J Biol Chem** 1986 Oct 25;261(30):13898–904

Cell surface dynamics of neutrophils stimulated with phorbol esters or retinoids. Robinson JM, et al. **J Cell Biol** 1987 Jul;105(1):417–26

Suppression of macrophage cytostatic activation by serum retinoids: a possible role for transglutaminase. Mehta K, et al. **J Immunol** 1987 Jun 1;138(11):3902–6

Retinoid treatment of human psoriatic fibroblasts induces an increase in cyclic AMP-dependent protein kinase activity. Raynaud F, et al. **J Invest Dermatol** 1987 Jul;89(1):105–10

Induction of tissue transglutaminase in human peripheral blood monocytes by intracellular delivery of retinoids. Mehta K, et al. **J Leukocyte Biol** 1987 Apr;41(4):341–8

Heteroarotinoids. Synthesis, characterization, and biological activity in terms of an assessment of these systems to inhibit the induction of ornithine decarboxylase activity and to induce terminal differentiation of HL-60 cells. Spruce LW, et al. **J Med Chem** 1987 Aug;30(8):1474–82

Structure-activity relationships of aromatic retinoids on the differentiation of the human histiocytic lymphoma cell line U-937. Chomienne C, et al. **Leuk Res** 1986;10(11):1301–5

In-vitro growth and differentiation of marrow cells from myelodysplastic patients in the presence of a retinoidal benzoic acid derivative. Fabian I, et al. **Leuk Res** 1987; 11(7):635–40

Micronutrient interactions in the prevention of cancer. **Nutr Rev** 1987 May;45(5):139–41

all-trans-Retinal stimulates superoxide release and phospholipase C activity in neutrophils without significantly blocking protein kinase C. Lochner JE, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7673–7

Retinoid-binding proteins and retinoid-induced differentiation of embryonal carcinoma cells. Barkai U, et al. **Prog Clin Biol Res** 1986;226:205–13 (26 ref.)

[Retinoids: pharmacology, biological effects, mechanisms of action and future prospects] Sigal M, et al. **Ann Dermatol Venereol** 1986;113(11):1109–21 (91 ref.) **(Fre)**

[Pharmacologic aspects of the retinoids] Geiger JM. **Ther Umsch** 1986 Sep;43(9):678–83 (31 ref.) (Eng. Abstr.) **(Fre)**

[Regulation of cell growth by retinoids and gene expression] Hashimoto Y, et al. **Gan To Kagaku Ryoho** 1986 Dec; 13(12):3392–400 (Eng. Abstr.) **(Jpn)**

[Effect of three retinoids on the growth of experimental tumors] Nozdrin VI, et al. **Vopr Med Khim** 1986 Jul–Aug; 32(4):133–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vitamin A, carotenoids, and retinoids. Hennekens CH, et al. **Cancer** 1986 Oct 15;58(8 Suppl):1837–41

Color discrimination in halobacteria: spectroscopic characterization of a second sensory receptor covering the blue-green region of the spectrum. Wolff EK, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7272–6

THERAPEUTIC USE

Arotinoid ethyl ester (Ro 13-6298): a long term pilot study in various dermatoses. Mérot Y, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):237–42

Retinoids and systemic chemotherapy in cases of advanced mycosis fungoides. A report from the Scandinavian Mycosis Fungoides Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):179–82

Anticarcinogenic effects of retinoids in animals. Moon RC, et al. **Adv Exp Med Biol** 1986;206:399–411

Retinoids and cancer. Hicks RM, et al. **Biochem Soc Trans** 1986 Oct;14(5):939–42

Use of intermediate endpoints in quantitating the response of precancerous lesions to chemopreventive agents. Rosin MP, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):483–7 (33 ref.)

Retinoids as preventive and therapeutic anticancer agents (Part II). Lippman SM, et al. **Cancer Treat Rep** 1987 May; 71(5):493–515 (429 ref.)

Topical retinoids: an update. Proceedings of a symposium. April 19–20, 1986, New York, NY. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):735–916

Treatment of cutaneous T-cell lymphoma with the arotinoid Ro 13-6298. Tousignant J, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):167–71

Inhibition of human mammary carcinoma cell proliferation by retinoids and intracellular cAMP-elevating compounds. Fontana JA, et al. **JNCI** 1987 Jun;78(6):1107–12

The oral retinoid agents. Are they the wonder drugs of the 1980s? Marks R, et al. **Med J Aust** 1987 Apr 6;146(7):374–7

Effects of retinoids in N-nitrosobis(2-oxopropyl)amine-treated hamsters. Longnecker DS, et al. **Pancreas** 1986;1(3):224–31

Effect of retinoid therapy on rat cardiac allograft survival. Kelly GE. **Transplantation** 1987 Sep;44(3):431–3

[What is the role of systemic retinoids in practice?] Camenzind M, et al. **Schweiz Rundsch Med Prax** 1987 Feb 24;76(9):225–9 (18 ref.) (Eng. Abstr.) **(Fre)**

[Retinoids in the treatment of epithelial skin tumors] Berretti B, et al. **Ther Umsch** 1986 Sep;43(9):703–6 (24 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of T-cell skin lymphoma with retinoids] Claudy AL. **Ther Umsch** 1986 Sep;43(9):707–11 (23 ref.) (Eng. Abstr.) **(Fre)**

[Retinoids in the treatment of ichthyosis] Mevorah B. **Ther Umsch** 1986 Sep;43(9):694–8 (19 ref.) (Eng. Abstr.) **(Fre)**

[Retinoids in dermatologic therapy] Uhl D. **Med Monatsschr Pharm** 1987 May;10(5):159–61 **(Ger)**

TOXICITY

In-vitro teratogenicity of retinoids. Steele CE, et al. **Br J Exp Pathol** 1987 Apr;68(2):215–23

Preliminary toxicity profile of arotinoids SMR-2 and SMR-6 in male B6D2F1 mice. Lindamood C 3d, et al. **Fundam Appl Toxicol** 1987 May;8(4):517–30

Comparative teratogenic activity of cancer chemopreventive retinoidal benzoic acid congeners (arotinoids). Flanagan JL, et al. **JNCI** 1987 Mar;78(3):533–8

RETINOL see **VITAMIN A**

RETINOL-BINDING PROTEINS

Intracellular vitamin A--binding proteins. Chytil F, et al. **Annu Rev Nutr** 1987;7:321–35 (83 ref.)

Retinol-binding protein in human serum: conformational changes induced by retinoic acid binding. Siegenthaler G, et al. **Biochem Biophys Res Commun** 1987 Mar 13; 143(2):418–23

Interspecies conservation of structure of interphotoreceptor retinoid-binding protein. Similarities and differences as adjudged by peptide mapping and N-terminal sequencing [published erratum appears in Biochem J 1987 Mar 15;242(3):935] Redmond TM, et al. **Biochem J** 1986 Nov 15;240(1):19–26

Molecular dynamics simulations of the holo and apo forms of retinol binding protein. Structural and dynamical changes induced by retinol removal. Aqvist J, et al. **J Mol Biol** 1986 Dec 5;192(3):593–603

The structure of beta-lactoglobulin and its similarity to plasma retinol-binding protein. Papiz MZ, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):383–5

Protein structure. One fold among many [news] Sawyer L. **Nature** 1987 Jun 25–Jul 1;327(6124):659

ANALYSIS

Anticonvulsant medication use and circulating levels of total thyroxine, retinol binding protein, and vitamin A in children with delayed cognitive development. Kozlowski BW, et al. **Am J Clin Nutr** 1987 Aug;46(2):360–8

Structural changes in retinol binding protein induced by retinol removal. A molecular dynamics study. Sandblom P, et al. **Biochem Biophys Res Commun** 1986 Sep 14; 139(2):564–70

Distribution and levels of cellular retinol- and cellular retinoic acid-binding protein in various types of rat testis cells. Blaner WS, et al. **Biol Reprod** 1987 Feb;36(1):130–7

Analysis of serum and urinary retinol binding protein in hepato-renal syndrome. Bosin E, et al. **Clin Biochem** 1987 Feb;20(1):47–51

Skin cellular retinoid-binding proteins and retinoid-responsive dermatoses. Siegenthaler G, et al. **Dermatologica** 1986;173(4):163–73

A slab gel electrophoresis technique for measurement of plasma retinol-binding protein, cellular retinol-binding and retinoic-acid-binding proteins in human skin. Siegenthaler G, et al. **Eur J Biochem** 1987 Jul 1;166(1):209–14

Distribution of interstitial retinol-binding protein (IRBP) in the vertebrates. Bridges CD, et al. **J Exp Zool** 1986 Sep; 239(3):335–46

Human neonatal keratinocytes have very high levels of cellular vitamin A-binding proteins. Gates RE, et al. **J Invest Dermatol** 1987 Jan;88(1):37–41

Cellular retinol-binding protein (type two) is abundant in human small intestine. Ong DE, et al. **J Lipid Res** 1987 Jun;28(6):739–45

[Value of transferrin and retinol-binding protein as nutritional indicators] Bengoa JM, et al. **Schweiz Rundsch Med Prax** 1986 Oct 21;75(43):1290–3 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Retinal photoreceptor neurons and pinealocytes accumulate mRNA for interphotoreceptor retinoid-binding protein (IRBP). van Veen T, et al. **FEBS Lett** 1986 Nov 10; 208(1):133–7

Synthesis of retinol-binding protein and transthyretin in yolk sac and fetus in the rat. Sklan D, et al. **J Nutr** 1987 Mar; 117(3):436–42

DEFICIENCY

Familial retinol-binding-protein deficiency [letter] Matsuo T, et al. **Lancet** 1987 Aug 15;2(8555):402–3

GENETICS

Mapping of human cellular retinol-binding protein to chromosome 3. Colantuoni V, et al. **Cytogenet Cell Genet** 1986;43(3–4):221–2

Negative control of liver-specific gene expression: cloned human retinol-binding protein gene is repressed in HeLa cells. Colantuoni V, et al. **EMBO J** 1987 Mar;6(3):631–6

Homology and structure-function correlations between alpha 1-acid glycoprotein and serum retinol-binding protein and its relatives. Pervaiz S, et al. **FASEB J** 1987 Sep;1(3):209–14

The cellular retinol binding protein II gene. Sequence analysis of the rat gene, chromosomal localization in mice and humans, and documentation of its close linkage to the cellular retinol binding protein gene. Demmer LA, et al. **J Biol Chem** 1987 Feb 25;262(6):2458–67

Comparison of the tissue-specific expression and developmental regulation of two closely linked rodent genes encoding cytosolic retinol-binding proteins. Levin MS, et al. **J Biol Chem** 1987 May 25;262(15):7118–24

Estrogen induces transcription of the Xenopus laevis serum retinol-binding protein gene. McKearin DM, et al. **J Biol Chem** 1987 Apr 15;262(11):4939–42

A linked genetic marker for multiple endocrine neoplasia type 2A on chromosome 10. Mathew CG, et al. **Nature** 1987 Aug 6–12;328(6130):527–8

Bgl II RFLP recognized by a human IRBP cDNA localized to chromosome 10. Liou GI, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3196

Rat cellular retinol-binding protein: cDNA sequence and rapid retinol-dependent accumulation of mRNA. Sherman DR, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3209–13

Retinol-binding protein and transthyretin mRNA levels in visceral yolk sac and liver during fetal development in the rat. Soprano DR, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7330–4

IMMUNOLOGY

Experimental autoimmune uveoretinitis (EAU) induced by retinal interphotoreceptor retinoid-binding protein (IRBP): differences between EAU induced by IRBP and by

S-antigen. Fox GM, et al. **Clin Immunol Immunopathol** 1987 May;43(2):256–64

Uveoretinitis in rabbits following immunization with interphotoreceptor retinoid-binding protein. Eisenfeld AJ, et al. **Exp Eye Res** 1987 Mar;44(3):425–38

Immunohistochemical analysis of experimental autoimmune uveoretinitis (EAU) induced by interphotoreceptor retinoid–binding protein (IRBP) in the rat. Chan CC, et al. **Immunol Invest** 1987 Mar;16(1):63–74

Dissociation between lymphocyte activation for proliferation and for the capacity to adoptively transfer uveoretinitis. Fox GM, et al. **J Immunol** 1987 May 15;138(10):3242–6

Uveitogenic potential of lymphocytes sensitized to interphotoreceptor retinoid–binding protein. McAllister CG, et al. **J Immunol** 1987 Mar 1;138(5):1416–20

Immunological studies of uveitis. 3. Cell–mediated immunity to interphotoreceptor retinoid–binding protein. Matsuo T, et al. **Jpn J Ophthalmol** 1986;30(4):487–94

[Experimental autoimmune uveoretinitis induced by retinal A–antigen] Tanaka T, et al.
Nippon Ganka Gakkai Zasshi 1987 Jan;91(1):145–50 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

An improved method for the isolation of human serum retinol binding protein (S–RBP). Grover SK, et al.
Indian J Biochem Biophys 1986 Aug;23(4):223–6

A rapid versatile microassay for cellular retinol–binding protein using Lipidex–1000 microcolumns. Timmers AM, et al. **J Lipid Res** 1986 Sep;27(9):979–87

Isolation and purification of cellular retinol binding protein (CRBP) from goat mammary gland. Goyal KC, et al.
Life Sci 1987 Mar 2;40(9):863–70

Purification of rat retinol–binding protein using Blue Sepharose CL–6B. Masaki K, et al. **Tohoku J Exp Med** 1986 Nov;150(3):249–57

Bovine interstitial retinol–binding protein (IRBP)—isolation and sequence analysis of cDNA clones, characterization and in vitro translation of mRNA. Liou GI, et al.
Vision Res 1986;26(10):1645–53

[Purification and uveogenicity of retinal antigens] Fujino Y, et al. **Nippon Ganka Gakkai Zasshi** 1987 Apr;91(4):498–508 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of alcohol consumption on serum concentration of 25–hydroxyvitamin D3, retinol, and retinol–binding protein. Bjørneboe GE, et al. **Am J Clin Nutr** 1986 Nov; 44(5):678–82

Specificity of cellular retinol–binding protein in the transfer of retinol to nuclei and chromatin. Crow JA, et al.
Arch Biochem Biophys 1987 Apr;254(1):372–5

Saturation analysis of cellular retinoid binding proteins: application to retinoic acid resistant human neuroblastoma cells and to human tumors. Kelly MA, et al.
Biochem Cell Biol 1987 Feb;65(2):163–72

Retinol transport proteins. Chen WY, et al.
Biochem Soc Trans 1986 Oct;14(5):925–8

Studies of the spontaneous transfer of retinol from the retinol:retinol–binding protein complex to unilamellar liposomes. Fex G, et al. **Biochim Biophys Acta** 1987 Jul 23;901(2):255–64

The effect of retinol on osteoclasts is mediated by a specific cytosolic binding protein. Teti A, et al.
Boll Soc Ital Biol Sper 1986 Oct 30;62(10):1315–9

Cellular retinol–binding proteins in head and neck tumors and their adjacent tissues. Yanagita T, et al. **Cancer** 1986 Nov 15;58(10):2251–5

Immunoelectron microscopic localization of photoreceptor–specific markers in the monkey retina. Rodrigues M, et al. **Curr Eye Res** 1987 Feb;6(2):369–80

Liver levels of vitamin A and cellular retinol–binding protein for patients with biliary atresia. Ong DE, et al.
Hepatology 1987 Mar–Apr;7(2):253–6

Rhodopsin, vitamin A, and interstitial retinol–binding protein in the rd chicken [published erratum appears in Invest Ophthalmol Vis Sci 1987 Jun;28(6):920] Bridges CD, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):613–7

Retinol and extracellular collagen matrices modulate hepatic Ito cell collagen phenotype and cellular retinol binding protein levels. Davis BH, et al. **J Biol Chem** 1987 Jul 25; 262(21):10280–6

Liver takes up retinol–binding protein from plasma. Gjøen T, et al. **J Biol Chem** 1987 Aug 15;262(23):10926–30

Binding specificities of cellular retinol–binding protein and cellular retinol–binding protein, type II. MacDonald PN, et al. **J Biol Chem** 1987 Aug 5;262(22):10550–6

Acyl–CoA–independent esterification of retinol bound to cellular retinol–binding protein (type II) by microsomes from rat small intestine [published erratum appears in J Bio Chem 1987 May 25;262(15):7438] Ong DE, et al.
J Biol Chem 1987 Feb 25;262(6):2729–36

Vitamin A uptake from retinol–binding protein in a cell–free system from pigment epithelial cells of bovine retina. Retinol transfer from plasma retinol–binding protein to cytoplasmic retinol–binding protein with retinyl–ester formation as the intermediate step. Ottonello S, et al.
J Biol Chem 1987 Mar 25;262(9):3975–81

Analyses of the interactions between retinoid–binding proteins and embryonal carcinoma cells. Barkai U, et al.
J Cell Biol 1987 Mar;104(3):671–8

Effects of nutritional and hormonal factors on the metabolism of retinol–binding protein by primary cultures of rat hepatocytes. Dixon JL, et al. **J Cell Physiol** 1987 Jan; 130(1):6–13

Studies on the metabolism of retinol–binding protein by primary hepatocytes from retinol–deficient rats. Dixon JL, et al. **J Cell Physiol** 1987 Jan;130(1):14–20

Effects of dietary retinoic acid on cellular retinol– and retinoic acid–binding protein levels in various rat tissues. Blaner WS, et al. **J Lipid Res** 1986 Oct;27(10):1084–8

Retinoic acid– and retinol binding proteins in melanomas and retinoblastomas. Daxecker F, et al. **Ophthalmologica** 1987; 194(2–3):126–7

[Retinoids and their binding proteins from basic science to clinical medicine] Kanai M. **Rinsho Byori** 1986 May; 34(5):483–500 (43 ref.) **(Jpn)**

PHARMACODYNAMICS

Uveitis induced in primates by interphotoreceptor retinoid–binding protein. Hirose S, et al.
Arch Ophthalmol 1986 Nov;104(11):1698–702

IRBP from bovine retina is poorly uveitogenic in guinea pigs and is identical to A–antigen. Vistica BP, et al.
Curr Eye Res 1987 Mar;6(3):409–17

The in vitro characterization of the inhibition of mouse brain protein kinase–C by retinoids and their receptors. Cope FO, et al. **Experientia** 1986 Sep 15;42(9):1023–7

PHYSIOLOGY

Levels of alpha– and gamma–tocopherol in human eyes: evaluation of the possible role of IRBP in intraocular alpha–tocopherol transport. Alvarez RA, et al.
Am J Clin Nutr 1987 Sep;46(3):481–7

Loss of retinol–binding properties for plasma retinol–binding protein in normal human epidermis. Siegenthaler G, et al.
J Invest Dermatol 1987 Apr;88(4):403–8

Function of an intestinal retinol–binding protein in the esterification of retinol. **Nutr Rev** 1987 Jul;45(7):221–3 (8 ref.)

Retinoid–binding proteins and retinoid–induced differentiation of embryonal carcinoma cells. Barkai U, et al. **Prog Clin Biol Res** 1986;226:205–13 (26 ref.)

Isolation of an olfactory cDNA: similarity to retinol–binding protein suggests a role in olfaction. Lee KH, et al.
Science 1987 Feb 27;235(4792):1053–6

URINE

Urinary albumin and retinol–binding protein in diabetes. Beetham R, et al. **Clin Chem** 1987 May;33(5):713

Assessment of urinary retinol–binding protein as an index of proximal tubular injury. Bernard AM, et al.
Clin Chem 1987 Jun;33(6):775–9

Measurement of urinary retinol–binding protein by enzyme–linked immunosorbent assay, and its application to detection of tubular proteinuria. Topping MD, et al.
Clin Chem 1986 Oct;32(10):1863–6

The effect of a synthetic polypeptide on the renal handling of protein in man. Beetham R, et al. **Clin Sci** 1987 Feb; 72(2):245–9

RETINOPATHY OF PREMATURITY

Retinopathy of prematurity. Griffiths MF.
J R Army Med Corps 1987 Feb;133(1):50–5 (40 ref.)

Light, sleep, and development [letter] Sheldon SH, et al.
Pediatrics 1987 Jun;79(6):1053–4

The history of research on RLF [letter] White C.
Pediatrics 1978 Jan;61(1):150–1

Update on retinopathy of prematurity. Biglan AW, et al.
Semin Perinatol 1986 Jul;10(3):187–95 (95 ref.)

[Current status of retinopathy of premature infants in northern France] Guilbert F, et al.
Bull Soc Ophtalmol Fr 1986 Jun–Jul;86(6–7):869–73 (Eng. Abstr.) **(Fre)**

[Retinopathy of prematurity. Notes on pathogenesis and therapy] Livolsi P. **Pediatr Med Chir** 1986 Nov–Dec; 8(6):819–27 (53 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Retinopathy of prematurity–like fundus and persistent hyperplastic primary vitreous associated with maternal cocaine use. Teske MP, et al. **Am J Ophthalmol** 1987 May 15;103(5):719–20

CLASSIFICATION

An international classification of retinopathy of prematurity. II. The classification of retinal detachment. The International Committee for the Classification of the Late Stages of Retinopathy of Prematurity. **Arch Ophthalmol** 1987 Jul;105(7):906–12

An international classification of retinopathy of prematurity. II. The classification of retinal detachment [editorial] Patz A. **Arch Ophthalmol** 1987 Jul;105(7):905

COMPLICATIONS

Incidence of retinopathy of prematurity in low birth weight infants with peri–intraventricular hemorrhage. Amato M, et al. **Neuropediatrics** 1986 Nov;17(4):191–2

Myopia associated with retinopathy of prematurity. Gordon RA, et al. **Ophthalmology** 1986 Dec;93(12):1593–8

A comparison of the refractive errors in high risk infants with ROP to those without ROP. Stoken DJ, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1986;38(2):542–6

[Relation between prematurity and the incidence of visual defects in students attending Prague schools for the visually handicapped] Machová J, et al. **Cesk Oftalmol** 1986 Nov; 42(6):442–7 (Eng. Abstr.) **(Cze)**

[Retinal detachment caused by late–stage retinopathy of prematurity] Vallat M, et al. **J Fr Ophtalmol** 1986; 9(8–9):573–82 (Eng. Abstr.) **(Fre)**

[Epidemiological study of severe vision impairment in Swiss children with special reference to retrolental fibroplasia] Treu A, et al. **Schweiz Med Wochenschr** 1987 Mar 7; 117(10):359–64 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Retinopathy of prematurity: review of a five–year period, examination techniques and recommendations for screening. Clemett RS, et al. **Aust N Z J Ophthalmol** 1986 May;14(2):121–5

Retinopathy of prematurity. Diagnosis, severity, and natural history. Flynn JT, et al. **Ophthalmology** 1987 Jun; 94(6):620–9

Safety of ocular drugs in pediatrics [letter] LaRoche GR.
Ophthalmology 1987 Feb;94(2):202–3

DRUG THERAPY

[Administration of corticoids in the treatment of retinopathy of prematurity] Válková Z. **Cesk Oftalmol** 1986 Jul; 42(4):267–9 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Pathogenetic significance of venous hyperoxaemia in retinopathy of prematurity. Gmyrek D, et al.
Acta Paediatr Hung 1987;28(1):1–8

Retinopathy of prematurity. Risk factors in a five–year cohort of critically ill premature neonates. Brown DR, et al. **Am J Dis Child** 1987 Feb;141(2):154–60

Hyperoxemic retinal necrosis in the premature neonate [letter] Curtin VT, et al. **Am J Ophthalmol** 1987 Mar 15; 103(3 Pt 1):343–5

Medical malpractice [letter] Armenia CS.
NY State J Med 1986 Nov;86(11):604

Retinopathy of prematurity. The association of a persistent hyaloid artery. Eller AW, et al. **Ophthalmology** 1987 Apr; 94(4):444–8

Retinopathy of prematurity and iron: a modification of the oxygen hypothesis [letter] Sullivan JL. **Pediatrics** 1986 Dec; 78(6):1171–2

[Risk factors of retinopathy of prematurity—results of a matched pair analysis] Jährig K, et al. **Kinderarztl Prax** 1987 Jun;55(6):289–94 (Eng. Abstr.) **(Ger)**

[Statistical study on PaCO2 as a risk factor in retinopathy of prematurity] Ichikawa K, et al.
Nippon Ganka Gakkai Zasshi 1987 Mar;91(3):390–6 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Incidence of retinopathy of prematurity among infants weighing 2000 g or less at birth. Archambault P, et al.
Can J Ophthalmol 1987 Jun;22(4):218–20

PATHOLOGY

Ultrastructural characteristics of proliferative tissue in retinopathy of prematurity. de Juan E, et al.
Am J Ophthalmol 1987 Aug 15;104(2):149–56

Hyperoxemic retinal neuronal necrosis in the premature neonate. Johnson BL, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):423–30

Microcornea associated with retinopathy of prematurity. Kelly SP, et al. **Br J Ophthalmol** 1987 Mar;71(3):201–3

PHYSIOPATHOLOGY

Visual acuity development in normal and abnormal preterm human infants. Norcia AM, et al.
J Pediatr Ophthalmol Strabismus 1987 Mar–Apr;24(2):70–4

[Late observations of children with retrolental fibroplasia] Ciechanowska A, et al. **Klin Oczna** 1986 Mar;88(3):80–2 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

One year longitudinal follow–up of premature infants treated with D–penicillamine in the neonatal period.
Vekerdy–Lakatos S, et al. **Acta Paediatr Hung** 1987; 28(1):9–16

Breast–feeding, antioxidants, and retinopathy of prematurity [letter] Cunningham AS. **Am J Obstet Gynecol** 1987 Apr; 156(4):1040–1

Mystery of the E–Ferol syndrome. **Nutr Rev** 1987 Mar; 45(3):76–7 (8 ref.)

Retinopathy of prematurity. A randomized, prospective trial of transcutaneous oxygen monitoring. Flynn JT, et al.
Ophthalmology 1987 Jun;94(6):630–8

Influence of transcutaneous oxygen monitoring on the incidence of retinopathy of prematurity. Bancalari E, et al. **Pediatrics** 1987 May;79(5):663–9

Tocopherol efficacy and safety for preventing retinopathy of prematurity: a randomized, controlled, double–masked trial. Phelps DL, et al. **Pediatrics** 1987 Apr;79(4):489–500

[Prevention of retinopathy of prematurity] Gerhard JP. **J Fr Ophtalmol** 1986;9(8–9):583–96 (53 ref.) **(Fre)**
[Retinopathy of prematurity. 7-year case series] Silvestro L, et al. **Minerva Pediatr** 1987 Jun 30;39(11–12):493–8 (Eng. Abstr.) **(Ita)**

SURGERY

Vitrectomy for advanced stages of retinopathy of prematurity. Chong LP, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):710–6
Early management of retinal problems associated with prematurity: cryothermy treatment. Fritch CD. **Ann Ophthalmol** 1983 Jun;15(6):565–6
Thrombin infusion to control bleeding during vitrectomy for stage V retinopathy of prematurity. Blacharski PA, et al. **Arch Ophthalmol** 1987 Feb;105(2):203–5
Surgery for stage 5 retinopathy of prematurity [letter] de Juan E Jr, et al. **Arch Ophthalmol** 1987 Jan;105(1):21
Cryotherapy for active retinopathy of prematurity. Tasman W, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(1):3–4
Severe bradycardia and nodal rhythm complicating cryopexy for retinopathy of prematurity. Frishberg Y, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct; 23(5):258–60
Long-term results of cryotherapy for active stages of retinopathy of prematurity. Ben-Sira I, et al. **Ophthalmology** 1986 Nov;93(11):1423–8
Open sky vitrectomy for total retinal detachment in retinopathy of prematurity. Tasman W, et al. **Ophthalmology** 1987 Apr;94(4):449–52
Retinopathy of prematurity. Surgical technique. deJuan E Jr, et al. **Retina** 1987 Summer;7(2):63–9
Pathology of retrolental membranes excised by open sky vitrectomy in retinopathy of prematurity. Eller AW, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):374–7
[Cryocoagulation of the retina in retinopathy of prematurity] Kuck H, et al. **Klin Monatsbl Augenheilkd** 1986 Dec; 189(6):460–2 (Eng. Abstr.) **(Ger)**

RETIREMENT

Mental health in the population approaching retirement age. Preliminary findings of the TURVA project. Mattila V, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):195–201
Crushed corsages and muffled thanks. Richards G. **Am J Nurs** 1987 May;87(5):752
An alternate practice sale/retirement arrangement. A way out. Parker WS. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):438–41
Morbidity and early retirement among anaesthetists and other specialists. McNamee R, et al. **Anaesthesia** 1987 Feb; 42(2):133–40
Exercise-enhanced risk factors for coronary heart disease vs. age as criteria for mandatory retirement of healthy pilots. Bruce RA, et al. **Aviat Space Environ Med** 1987 Aug;58(8):792–8
Should mandatory retirement rules apply to doctors? Gilmore A. **Can Med Assoc J** 1987 Aug 1;137(3):229–31
Those golden years. Waugh D. **Can Med Assoc J** 1987 Aug 1;137(3):232–3
The 1983 Amendments to the Social Security Act: will they delay retirement? A summary of the evidence. Boaz RF. **Gerontologist** 1987 Apr;27(2):151–5
Retirement satisfaction in married and widowed rural women. Dorfman LT, et al. **Gerontologist** 1987 Apr; 27(2):215–21
Why the notion persists that retirement harms health. Ekerdt DJ. **Gerontologist** 1987 Aug;27(4):454–7
Change in type A behavior a year after retirement. Howard JH, et al. **Gerontologist** 1986 Dec;26(6):643–9
Retirement financial planning among professional workers. Kilty KM, et al. **Gerontologist** 1986 Oct;26(5):525–30
Predictors of early retirement among university faculty. Monahan DJ, et al. **Gerontologist** 1987 Feb;27(1):46–52
Pew Memorial Trust policy synthesis: 2. Postretirement health benefits. Dopkeen JC. **Health Serv Res** 1987 Feb; 21(6):795–848
CCRC surveys seek data on potential residents. Newald J. **Hospitals** 1986 Nov 20;60(22):96
Dietary fibre intakes in the United Kingdom before and after retirement from work. Davies L, et al. **Hum Nutr Appl Nutr** 1986 Dec;40(6):431–9
The future of employer-sponsored retiree medical plans. Rappaport AM, et al. **Inquiry** 1987 Spring;24(1):26–35
Preferred retirement timing and retirement satisfaction in women. Szinovacz M. **Int J Aging Hum Dev** 1986–87; 24(4):301–17
Locus of control and retirement preparation. Abel BJ, et al. **J Gerontol** 1987 Mar;42(2):165–7
The married woman's retirement decision: a methodological comparison. Campione WA. **J Gerontol** 1987 Jul; 42(4):381–6
Exercise training of men at retirement: a clinical trial. Cunningham DA, et al. **J Gerontol** 1987 Jan;42(1):17–23
The internal structure of self-reported health measures among older male workers and retirees. Hardy MA, et al. **J Health Soc Behav** 1986 Dec;27(4):346–57
Legislation needed to protect retirement plans. Weber RD. **Mich Med** 1987 Mar;86(3):158, 160, 172 passim
Tax retirement planning under tax reform. Liggio V, et al. **NY State Dent J** 1987 May;53(5):36–7
When should dentists retire? Wentworth ET Sr. **NY State Dent J** 1986 Nov;52(9):6, 8
Retired doctors: a prospective role. Monitoring U.S. health care reimbursement. Greentree LB. **Ohio Med** 1987 Apr; 83(4):217
Don't be afraid to retire! Sharon IC. **Postgrad Med** 1987 Jun; 81(8):117–8, 120
Retirement of emeritus medical professors of the University of Chicago and the University of Wisconsin. Rowe A. **Psychol Rep** 1986 Oct;59(2 Pt 2):721–2
Unraveling the effects of multiple life changes. A reanalysis. Hatch LR, et al. **Res Aging** 1986 Dec;8(4):505–14
An exploratory study of poor adjustment styles among retirees. Braithwaite VA, et al. **Soc Sci Med** 1986; 23(5):493–9
Increasing the Social Security retirement age: older workers in physically demanding occupations or ill health. **Soc Secur Bull** 1986 Oct;49(10):5–23
The effect of health on retirement. Sammartino FJ. **Soc Secur Bull** 1987 Feb;50(2):31–47
Pension status of recently retired workers on their longest job: findings from the New Beneficiary Survey. Snyder DC. **Soc Secur Bull** 1986 Aug;49(8):5–21
Recent trends in health near the age of retirement: new findings from the Health Interview Survey. Ycas MA. **Soc Secur Bull** 1987 Feb;50(2):5–30
Income of retirement-aged persons in the United States. Ycas MA, et al. **Soc Secur Bull** 1987 Jul;50(7):5–14
[Altered time perspective (editorial)] Munnichs JM. **Tijdschr Gerontol Geriatr** 1987 Feb;18(1):1 **(Dut)**
[Impairments, disabilities and handicaps in a group of retired people in the Paris metropolitan area in relation to their socio-occupational status] Cassou B, et al. **Rev Epidemiol Sante Publique** 1986;34(4–5):332–40 (Eng. Abstr.) **(Fre)**
[Status of the elderly in our society] Vogt W. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):323–6 **(Ger)**
[Occupational medicine management of employees in the pre-retirement age] Beich H, et al. **ZFA** 1986 Sep–Oct; 41(5):267–72 **(Ger)**
[Professional employment in advanced age and its termination from the sociologic viewpoint (with special reference to health status)] Cremer U. **ZFA** 1986 Sep–Oct;41(5):281–3 **(Ger)**
[Professional activity in retirement—a sociologic study of employment in agriculture and trade in the Schwerin district] Erpenbeck F, et al. **ZFA** 1986 Nov–Dec; 41(6):349–58 (Eng. Abstr.) **(Ger)**
[8 years of the "University of the Veterans of Work" at the Humboldt University in Berlin—experience in offering education for the elderly] Oehlert A, et al. **ZFA** 1987 Jan–Feb;42(1):3–14 (Eng. Abstr.) **(Ger)**
[Health and life style of late middle-aged and elderly persons] Motynga IA. **Sov Zdravookhr** 1987;(2):21–5 **(Rus)**
[Structure and factors of the social and cultural activities of pensioners in the process of social adaptation (based on the example of a large city)] Sachuk NN, et al. **Vestn Akad Med Nauk SSSR** 1986;(10):66–71 (Eng. Abstr.) **(Rus)**

RETIREMENT BENEFITS see **PENSIONS**

RETRACTION OF PUBLICATION

Retraction of a report published in AJC [letter] [Retraction of Darsee JR, Walter PF, Nutter DO. In: Am J Cardiol 1980 Oct;46(4):613–8] Glenn JF, et al. **Am J Cardiol** 1983 Jul;52(1):220
Retraction of a report published in AJC [letter] [Retraction of Darsee JR, Mikolich JR, Walter PF, Schlant RC. In: Am J Cardiol 1980 Oct;46(4):607–12] Walter PF, et al. **Am J Cardiol** 1983 Jul;52(1):220
Re: Works published in CVIR by Robert A. Slutsky, M.D. [Retraction of Slutsky RA, Watkins J, Engler R. In: Cardiovasc Intervent Radiol 1984;7(2):59–64] **Cardiovasc Intervent Radiol** 1987;10(1):52
Retraction of publications. [Retraction of Slutsky RA. In: Crit Care Med 1983 Sep;11(9):721–5 and Slutsky RA, Dittrich H, Peck WW. In: Crit Care Med 1983 Dec;11(12):913–7 and Slutsky RA, Higgins CB. In: Crit Care Med 1985 May;13(5):432–5. Peters RM, et al. **Crit Care Med** 1987 Mar;15(3):288
Retraction of two additional papers by Robert A. Slutsky, MD. [Retraction of Slutsky RA, Peck WW, Mancini GB, Mattrey RF, Higgins CB. In: J Am Coll Cardiol 1984 Jan;3(1):138–42 and Slutsky RA, Brown JJ, Peck WW, Strich G, Andre MP. In: J Am Coll Cardiol 1984 Jun;3(6):1454–60] **J Am Coll Cardiol** 1987 Apr;9(4):973
Retraction: A lymphokine that activates the cytolytic program of both cytotoxic T lymphocyte and natural killer clones. [Retraction of Milanese C, Siliciano RF, Schmidt RE, Ritz J, Richardson NE, Reinherz EL. In: J Exp Med 1986 Jun 1;163(6):1583–8] Reinherz EL. **J Exp Med** 1987 Jan 1;165(1):275
Retraction. [Retraction of Slutsky RA, Day R, Murray M. In: Proc Soc Exp Biol Med 1985 May;179(1):25–31] Brown MD. **Proc Soc Exp Biol Med** 1987 Jul;185(3):359
Retraction of data [letter] [Retraction of Milanese C, Richardson NE, Reinherz EL. In: Science 1986 Mar 7;(4742):1118–22] Milanese C, et al. **Science** 1986 Nov 28; 234(4780):1056

RETROGNATHISM

PSYCHOLOGY

[Facial profile—psychological profile] Grimbert N, et al. **Rev Stomatol Chir Maxillofac** 1986;87(3):146–9 (Eng. Abstr.) **(Fre)**

SURGERY

Lateral pterygoid muscle activity in mandibular retrognathism and response to mandibular advancement surgery. Harper RP, et al. **Am J Orthod Dentofacial Orthop** 1987 Jan;91(1):70–6
A cephalometric analysis of the long-term, soft tissue profile changes which accompany the advancement of the mandible by sagittal split ramus osteotomies. Mommaerts MY, et al. **J Craniomaxillofac Surg** 1987 Jun;15(3):127–31
Recognition of profile change after simulated orthognathic surgery. Burcal RG, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):666–70

THERAPY

[Correction of overbite by the edgewise technic] Ulgen M, et al. **Fortschr Kieferorthop** 1987 Jun;48(3):147–53 (Eng. Abstr.) **(Ger)**

RETROGRADE DEGENERATION see under **NERVE DEGENERATION**

RETROGRADE OBTURATION

Surgical treatment of a three-rooted maxillary second premolar. Report of a case. Barkhordar RA, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):614–6

RETROLENTAL FIBROPLASIA see **RETINOPATHY OF PREMATURITY**

RETROPERITONEAL FIBROSIS

[Diagnosis and surgical treatment of retroperitoneal fibrosis. Notes] Dufour B, et al. **Chirurgie** 1986;112(5):364–6 **(Fre)**

CHEMICALLY INDUCED

Retroperitoneal fibrosis after long-term daily use of ergotamine. Damstrup L, et al. **Int Urol Nephrol** 1986; 18(3):299–301
Methysergide and retroperitoneal fibrosis [letter] Mitchinson MJ. **Lancet** 1987 Apr 11;1(8537):870
Methysergide and retroperitoneal fibrosis [letter] Reimund E. **Lancet** 1987 Feb 21;1(8530):443
[Retroperitoneal fibrosis: a systemic effect of beta-blocker eyedrops? (letter)] Benitah E, et al. **Presse Med** 1987 Mar 7;16(8):400–1 **(Fre)**
[Rupture of the rectum with retroperitoneal fibrosis caused by barium] Corbetti F, et al. **Radiol Med (Torino)** 1987 Jun;73(6):592–4 **(Ita)**
[Serious adverse effects of methysergide] Hansen G, et al. **Tidsskr Nor Laegeforen** 1986 Sep 20;106(26):2160–2 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Percutaneous balloon dilatation of a mid-ureteric obstruction caused by retroperitoneal fibrosis. Downey DB, et al. **Br J Urol** 1987 Jul;60(1):84–5
[Urologic manifestations of retroperitoneal fibrosis] Chatelain C, et al. **Chirurgie** 1986;112(5):349–55 (Eng. Abstr.) **(Fre)**
[Ureteral obstruction secondary to peri-aneurysmal fibrosis of the abdominal aorta] Escribano Patiño G, et al. **Arch Esp Urol** 1986 Sep;39(7):459–70 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Idiopathic retroperitoneal and mediastinal fibrosis mimicking connective tissue disease. Morad N, et al. **Am J Med** 1987 Feb;82(2):363–6
Retroperitoneal fibrosis and sclerosing mediastinitis. Fenner MN, et al. **Indiana Med** 1987 Apr;80(4):334–8
Idiopathic retroperitoneal fibrosis. Kurata S, et al. **Jpn J Surg** 1987 Jan;17(1):37–40
[Abdominal pain and chronic vascular disease in a middle-aged man] Kauppinen-Mäkelin R. **Duodecim** 1987; 103(4):218–23 **(Fin)**
[Periaortic retroperitoneal fibrosis] Chapelon C, et al. **Chirurgie** 1986;112(5):379–82 (Eng. Abstr.) **(Fre)**
[Retroperitoneal fibrosis: diagnosis and course] Rothschild E, et al. **Chirurgie** 1986;112(5):356–9 (Eng. Abstr.) **(Fre)**
[Apropos of a case of Ormond's disease (idiopathic retroperitoneal fibrosis)] Mugnolo RJ, et al. **Medicina (B Aires)** 1986;46(6):719–23 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Progesterone as therapy for retroperitoneal fibrosis. Bilder CR, et al. **Medicina (B Aires)** 1985;45(2):159–63
The treatment of retroperitoneal fibromatosis with medroxyprogesterone acetate. Barnhill D, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):502–4

Steroid therapy as treatment for idiopathic fibrosis of the retroperitoneum and mediastinum. Feild C, et al. **Pediatrics** 1986 Nov;78(5):936–8

CT demonstration of rapid improvement of retroperitoneal fibrosis in response to steroid therapy. Smith SJ, et al. **Urol Radiol** 1986;8(2):104–7

ETIOLOGY

Retroperitoneal fibrosis following treatment for Hodgkin's disease. Chao N, et al. **J Clin Oncol** 1987 Feb;5(2):231–2

IMMUNOLOGY

A comparison of cytoplasmic immunoglobulins in retroperitoneal fibrosis and abdominal aortic aneurysms. Munro JM, et al. **Histopathology** 1986 Nov;10(11):1163–9

PATHOLOGY

Idiopathic retroperitoneal fibrosis (sclerosing retroperitonitis). Osborne BM, et al. **Hum Pathol** 1987 Jul; 18(7):735–9

[Pathological anatomy of idiopathic retroperitoneal fibrosis. The concept of multifocal systemic fibrosis] Chomette G, et al. **Chirurgie** 1986;112(5):343–8 (Eng. Abstr.) **(Fre)**

[Xanthofibrogranulomatosis with meningocortical involvement] Dauch WA, et al. **Zentralbl Allg Pathol** 1986; 132(1):33–6 (Eng. Abstr.) **(Ger)**

[Clinical and structural study of retroperitoneal fibrosis] Castiñeiras J, et al. **Actas Urol Esp** 1986 Nov–Dec; 10(6):413–22 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography of pseudocysts in retroperitoneal fibrosis. Feldberg MA, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):485–7

CT findings in circumscribed upper abdominal idiopathic retroperitoneal fibrosis. Inaraja L, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):1063–4

Radiologic diagnosis of retroperitoneal fibrosis: report of five cases studied with computed tomography. Caprio F, et al. **Rays** 1986 May–Aug;11(2):15–24

[2 patients with idiopathic retroperitoneal fibrosis] Doorenbos CJ, et al. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):407–10 (Eng. Abstr.) **(Dut)**

[Retroperitoneal fibrosis. Radiological diagnosis] Michel JR, et al. **Chirurgie** 1986;112(5):360–3 (Eng. Abstr.) **(Fre)**

[A case of multifocal fibrosclerosis] Hoshi T, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1465–8 (Eng. Abstr.) **(Jpn)**

SURGERY

Peritoneal flap ureteropexy for idiopathic retroperitoneal fibrosis. Fowler JW. **Br J Urol** 1987 Jul;60(1):18–22

[A case of retroperitoneal fibrosis] Horiuchi K, et al. **Hinyokika Kiyo** 1987 Apr;33(4):596–9 (Eng. Abstr.) **(Jpn)**

RETROPERITONEAL NEOPLASMS

Successful pregnancy in an adolescent with metastatic undifferentiated sarcoma. A case report. Bianchi DW, et al. **J Reprod Med** 1987 Jan;32(1):76–8

[Ganglioneuroma] **Acta Clin Belg** 1986;41(6):395–401 **(Dut)**

[Paragangliomas in children—2 case reports] Vuković I, et al. **Srp Arh Celok Lek** 1986 Nov–Dec;114(11–12):1069–73 (Eng. Abstr.) **(Scc)**

CHEMICALLY INDUCED

[Retroperitoneal hematoma with femoral neuropathy during anticoagulant treatment] Jensen SK, et al. **Ugeskr Laeger** 1987 Feb 2;149(6):376–7 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Massive retrogastric bleeding caused by neurofibroma. Case report. Schattenkerk ME, et al. **Acta Chir Scand** 1987 Apr; 153(4):311–3

Prune belly syndrome and retroperitoneal germ cell tumor. Sayre R, et al. **Am J Med** 1986 Nov;81(5):895–7

Thrombophlebitis migrans as a marker of malignancy. Mate-Kole MO, et al. **East Afr Med J** 1986 Sep;63(9):610–2

Urethral obstruction owing to retroperitoneal cystic lymphangioma. Kanzaki S, et al. **J Urol** 1987 Aug; 138(2):370–1

[Feto-placental anasarca secondary to a neuroblastoma. Prenatal diagnosis] Hainaut F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):367–72 (Eng. Abstr.) **(Fre)**

[Retroperitoneal ganglioneuroma as a cause of obstructed labor] Kamin G, et al. **Zentralbl Gynakol** 1986; 108(16):1003–5 (Eng. Abstr.) **(Ger)**

[Recurrent torsion of ectopic accessory spleen in a patient with agenesis of the gallbladder] Marsetti M, et al. **Minerva Chir** 1987 Mar 15;42(5):421–5 (Eng. Abstr.) **(Ita)**

[Lumbar pain and functional deficit of the right lower limb in a 29-year-old male (clinical conference)] **Rev Clin Esp** 1986 Oct;179(5):259–64 **(Spa)**

CONGENITAL

Congenital fibrosarcoma: a congenital fibrous histiocytoma. Drut R. **Pediatr Pathol** 1986;6(4):403–9

DIAGNOSIS

Imaging strategies for tumors of the kidney, adrenal gland, and retroperitoneum. Davidson AJ, et al. **CA** 1987 May–Jun;37(3):151–64 (48 ref.)

Magnetic resonance imaging of the retroperitoneum. Graif M, et al. **Clin Radiol** 1986 Sep;37(5):441–9

Adrenal myelolipoma: fine-needle aspiration of an asymptomatic retroperitoneal mass. Neumann MP, et al. **Diagn Cytopathol** 1987 Mar;3(1):82–4

Multiple simultaneous percutaneous needle biopsy (MSPNB) technique for masses of the abdomen and peritoneum. Morettin LB, et al. **Eur J Radiol** 1987 May;7(2):98–100

Pseudolymphoma of the retroperitoneum. Suesada Y, et al. **Eur J Radiol** 1987 May;7(2):144–6

Mucinous appendiceal cystadenoma complicated by torsion presenting as a retroperitoneal mass. Beck SL, et al. **J Am Osteopath Assoc** 1987 Mar;87(3):240–4

MR imaging of inferior vena caval recurrence of extraadrenal pheochromocytoma. Levine E, et al. **J Comput Assist Tomogr** 1987 Jul–Aug;11(4):717–8

Retroperitoneal paraganglioma. Osime U, et al. **J Indian Med Assoc** 1986 Apr;84(4):120–2

Sarcomas of the retroperitoneum. Harbrecht BG, et al. **J Ky Med Assoc** 1987 Jan;85(1):29–32

Extragonadal germ cell tumor: the preoperative urological evaluation. Fuchs E, et al. **J Urol** 1987 May;137(5):993–5

Nuclear magnetic resonance imaging of a benign cystic teratoma in the retroperitoneum. Terada Y, et al. **J Urol** 1987 Jan;137(1):106–8

Carcinoma-in-situ testis in patients with assumed extragonadal germ-cell tumours. Daugaard G, et al. **Lancet** 1987 Sep 5;2(8558):528–30

Inflammatory pseudotumour or retractile mesenteritis. van den Wall Bake AW, et al. **Neth J Med** 1987 Jun; 30(5–6):281–6

Retroperitoneal teratoma presenting as an abdominal-pelvic mass. Gschwend J, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):500–2

The "empty" right iliac fossa. Radiological features of a large retroperitoneal liposarcoma. Skaane P. **ROFO** 1986 Sep; 145(3):350–1

Retroperitoneal lipoblastoma in a three-year-old child. Tanyel FC, et al. **Turk J Pediatr** 1986 Oct–Dec; 28(4):259–61

Retroperitoneal liposarcoma presenting as spermatic cord tumor. Longbotham JH, et al. **Urology** 1987 Sep; 30(3):276–80

[Intrathoracic and retroperitoneal plasmacytomas in multiple IgA myeloma] Jacquenod P, et al. **J Radiol** 1986 Aug–Sep; 67(8–9):613–6 (Eng. Abstr.) **(Fre)**

[Retroperitoneal liposarcoma. Apropos of 3 cases and a review of the literature] Azagra JS, et al. **Rev Med Brux** 1986 Nov;7(9):557–60 (35 ref.) (Eng. Abstr.) **(Fre)**

[Benign teratoma of the retroperitoneum in a child] Scholaut KH, et al. **ROFO** 1987 Jan;146(1):107–9 **(Ger)**

[Increase in girth] Högemann B, et al. **Schweiz Rundsch Med Prax** 1986 Aug 19;75(34):996–9 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis, computed tomography and lymphography of retroperitoneal lymphomas—re-evaluation of lymphography] Wolff P, et al. **Strahlenther Onkol** 1987 Feb;163(2):109–13 (Eng. Abstr.) **(Ger)**

[Paravesical angiofollicular hyperplasia of the lymph nodes (so-called Castleman tumor). A contribution to differential diagnosis of benign retroperitoneal space-occupying lesions] Lehmann HD, et al. **Urologe [A]** 1986 Jul; 25(4):228–31 (Eng. Abstr.) **(Ger)**

[Echographic evaluation of large pelvic swellings. Clinical experience] De Vita V, et al. **Minerva Ginecol** 1986 Sep; 38(9):743–7 (Eng. Abstr.) **(Ita)**

[Role of echography in the study of lymphangiomas. Presentation of 2 cases] Bagnolesi P, et al. **Radiol Med (Torino)** 1986 Nov;72(11):858–60 **(Ita)**

[Role of echography in the study of retroperitoneal tumors] Cilotti A, et al. **Radiol Med (Torino)** 1987 Apr;73(4):295–7 (Eng. Abstr.) **(Ita)**

[A case of malignant paraganglioma arising from the retroperitoneum] Ubayama Y, et al. **Gan No Rinsho** 1987 Apr;33(4):442–8 (Eng. Abstr.) **(Jpn)**

[A case of retroperitoneal fibrosarcoma] Kondo F, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1358–62 (Eng. Abstr.) **(Jpn)**

[Multicentric occurrence of liposarcoma: report of a case and review of the literature] Kagawa K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Jun;34(6):897–902 (Eng. Abstr.) **(Jpn)**

[A case of retroperitoneal schwannoma preoperatively diagnosed as a non-functioning adrenal tumor] Nagata Y, et al. **Rinsho Hoshasen** 1986 Nov;31(12):1477–80 (Eng. Abstr.) **(Jpn)**

[Neurofibroma of the small pelvis] Iasinskil BV, et al. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):60–1 **(Rus)**

IMMUNOLOGY

[A case of extramedullary plasmacytoma of the mediastinum and the retroperitoneum, associated with production of IgG kappa-type M-protein] Inoue N, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2319–24 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Primary extraosseous osteogenic sarcoma in the retroperitoneal space. A case report and review of the literature. Skensved H, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):191–4

PATHOLOGY

Extraskeletal Ewing's sarcoma. Diagnosis of a case by fine needle aspiration cytology. Brehaut LE, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):683–7

Exfoliative cytopathology of alveolar rhabdomyosarcoma. Nishikawa A, et al. **Acta Pathol Jpn** 1987 Jun;37(6):1003–7

Primary retroperitoneal sarcomas. Solla JA, et al. **Am J Surg** 1986 Nov;152(5):496–8

Atypical and malignant neoplasms showing lipomatous differentiation. A study of 111 cases. Azumi N, et al. **Am J Surg Pathol** 1987 Mar;11(3):161–83

Large-cell lymphoma. Diagnostic difficulties and case study. Gonzalez-Crussi F, et al. **Am J Surg Pathol** 1987 Jan; 11(1):59–65

Giant retroperitoneal pleomorphic lipoma. Zhang SZ, et al. **Am J Surg Pathol** 1987 Jul;11(7):557–62

A morphologic study of cells from a human malignant fibrous histiocytoma "in situ" and cultured "in vitro". Gotzos V, et al. **Arch Anat Cytol Pathol** 1986;34(3):164–71

An unusual retroperitoneal seminoma. Jeffrey RR, et al. **Br J Urol** 1987 Jan;59(1):93–4

Testicular failure in patients with extragonadal germ cell tumors. Carroll PR, et al. **Cancer** 1987 Jul 1;60(1):108–13

Malignant ectomesenchymoma of soft tissue. Report of two cases and review of the literature. Kawamoto EH, et al. **Cancer** 1987 May 15;59(10):1791–802 (26 ref.)

Rhabdomyoma of the retroperitoneum. A report of a tumor with both adult and fetal characteristics: a study by light and electron microscopy, histochemistry, and immunochemistry. Whitten RO, et al. **Cancer** 1987 Feb 15; 59(4):818–24

Fine-needle aspiration biopsy of abdominal and retroperitoneal tumors in infants and children. Valkov I, et al. **Diagn Cytopathol** 1987 Jun;3(2):129–33

Non-functioning retroperitoneal paraganglioma. Law NW, et al. **J R Soc Med** 1987 Apr;80(4):246–7

Primary retroperitoneal sarcoma in the female pelvis. A report of three cases. Choo YC, et al. **J Reprod Med** 1987 Feb;32(2):157–60

Extra-adrenal paraganglioma and pulmonary chondroma: a case report and review of the literature. Keyhani-Rofagha S, et al. **J Surg Oncol** 1987 Jun;35(2):89–95

Retroperitoneal malignant fibrous histiocytoma: case report and literature review. Mugharbil ZH, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):158–61

Glandular schwannoma in a 17-month-old child. Garcia de Davila MT, et al. **Pediatr Pathol** 1986;6(2–3):359–66

Tumor thrombosis of the inferior vena cava due to retroperitoneal germ cell tumor. Radin DR, et al. **Urol Radiol** 1987;9(1):26–9

Retroperitoneal schwannoma. Takatera H, et al. **Urology** 1986 Dec;28(6):529–31

Immunocytochemical demonstration of neuron-specific enolase for differential diagnosis of retroperitoneal tumours in children. Olsen L, et al. **Z Kinderchir** 1986 Dec; 41(6):348–9

[A case of large retroperitoneal fibroleiomyoma] Iarumov N, et al. **Khirurgiia (Sofiia)** 1987;40(2):43–4 **(Bul)**

[Retroperitoneal lipoma with a case contribution] Tachev S, et al. **Khirurgiia (Sofiia)** 1987;40(2):53–5 **(Bul)**

[Residual retroperitoneal masses of non-seminomatous germ cell tumors of the testis after chemotherapy. X-ray computed tomography-histology correlates] Bassoulet J, et al. **Ann Radiol (Paris)** 1986;29(7):607–13 (Eng. Abstr.) **(Fre)**

[Retroperitoneal teratoma. A problem in pediatric urology] Paulenz E, et al. **Urologe [A]** 1987 Mar;26(2):63–6 (Eng. Abstr.) **(Ger)**

[Ectopic breast tissue in the iliac obturator muscle. Description of a clinical case] Petrocchi L, et al. **Minerva Ginecol** 1986 Sep;38(9):701–6 (Eng. Abstr.) **(Ita)**

[A case of primary retroperitoneal tumor with combined histologic features of embryonal carcinoma and yolk sac tumor] Oda N, et al. **Gan No Rinsho** 1987 Mar;33(3):311–6 (Eng. Abstr.) **(Jpn)**

[Retroperitoneal liposarcoma: a report of 2 cases and review of 163 cases in Japan] Nakajima N, et al. **Hinyokika Kiyo** 1987 Mar;33(3):414–9 (Eng. Abstr.) **(Jpn)**

[Fine-needle aspiration biopsy under sonographic guidance in renal and retroperitoneal masses] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Nov 25; 46(11):1274–80 (Eng. Abstr.) **(Jpn)**

[The Crow-Fukase syndrome associated with extramedullary plasmacytoma—an autopsy case] Ohkoshi N, et al. **Rinsho Shinkeigaku** 1987 Feb;27(2):185–93 (Eng. Abstr.) **(Jpn)**

[Recurrent giant fibromyxoma of the retroperitoneal space and perineum] Levitskil VV, et al. **Klin Khir** 1987;(5):49 **(Rus)**

[Case of nonorganic retroperitoneal leiomyoma] Kuril MF. **Vrach Delo** 1986 Oct;(10):87–8 **(Rus)**

[Malignant schwannoma: infrequent retroperitoneal metastasis. Apropos of a case] Avila Padilla J, et al. **Arch Esp Urol** 1987 Mar;40(2):119–23 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography of retroperitoneal cystic lymphangiomas. Munechika H, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):116–9

Dumbbell neuroblastoma presenting without spinal cord findings. Payne J, et al. **J Pediatr Surg** 1986 Nov; 21(11):995–6

Computerized tomography of Castleman's disease simulating a false renal artery aneurysm: a case report. Friedman L, et al. **J Urol** 1987 Jul;138(1):123–4

Intraabdominal hematoma following orchiectomy: a potential pitfall in using CT for staging of testicular cancer. Kullmann G, et al. **Radiology** 1987 Apr;163(1):129–30

Primary retroperitoneal teratoma in adults. Lambrianides AL, et al. **Urology** 1987 Mar;29(3):310–2

[Retro–rectal neoplasms in the adult. Apropos of a sacrococcygeal giant cell tumor] Boumghar M. **Rev Med Suisse Romande** 1986 Aug;106(8):703–9 **(Fre)**

[Computerized tomography in the diagnosis of lesions of the retroperitoneal lymph nodes] Kolesnikova EK. **Radiol Diagn (Berl)** 1987;28(1):83–91 (Eng. Abstr.) **(Ger)**

[Retroperitoneal cystic lymphangioma] Völker JA, et al. **Z Gastroenterol** 1987 Feb;25(2):130–4 (Eng. Abstr.) **(Ger)**

[A case of retroperitoneal mucinous cystadenoma] Mizukawa K, et al. **Rinsho Hoshasen** 1987 Jan;32(1):159–61 (Eng. Abstr.) **(Jpn)**

[Complex x–ray examination of patients with nonorganic tumors of the retroperitoneal space] Kishkovskil NE, et al. **Vopr Onkol** 1987;33(4):73–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Importance of gammagraphy using 131I–metaiodobenzylguanidine in the follow–up of neuroblastomas. Apropos of a case] Ferris Tortajada J, et al. **An Esp Pediatr** 1986 Sep;25(3):209–11 **(Spa)**

RADIOTHERAPY

[Postoperative irradiation of sarcoma of retroperitoneal soft tissues. Prevention of radio–lesions of the small intestine by a silicone balloon (letter)] Mazeron JJ, et al. **Presse Med** 1987 Mar 21;16(10):492 **(Fre)**

SECONDARY

Retroperitoneal mass: testicular tumor. Vezina GL, et al. **Am Fam Physician** 1987 Apr;35(4):117–8

Abdominal computed tomography in teratoma of the testis: its accuracy in stage I disease and an assessment of the distribution of retroperitoneal lymph–node metastases in other stages of the disease. Bradey N, et al. **Br J Radiol** 1987 May;60(713):487–91

Chorionic villous–like structures in metastatic testicular choriocarcinoma. Silva EG. **Cancer** 1987 Jul 15; 60(2):207–10

Horseshoe kidney simulation by paraaortic metastases from a testicular tumor. Gray HW. **Clin Nucl Med** 1987 Jan; 12(1):75–6

De novo calcification in lymph node metastasis. Wiersma ES. **Diagn Imag Clin Med** 1986;55(4–5):282–4

Metastatic seminoma with regression of testicular primary: ultrasonographic detection. Gross GW, et al. **J Urol** 1986 Nov;136(5):1086–8

Residual mass after chemotherapy for seminoma: changing concepts of management. Herr HW, et al. **J Urol** 1987 Jun; 137(6):1234–5

[Complex preoperative diagnosis of the dissemination of stomach cancer to abdominal and retroperitoneal organs and tissues] Fisher ME, et al. **Med Radiol (Mosk)** 1987 Jul;32(7):15–21 (Eng. Abstr.) **(Rus)**

[Retroperitoneal pelvioscopy in the diagnosis of skin melanoma metastases to the iliac lymph nodes] Vagner RI, et al. **Vestn Khir** 1986 Jul;137(7):99–100 **(Rus)**

SECRETION

[Childhood retroperitoneal extra–adrenal paraganglioma, secretor of catecholamines, thyrocalcitonin and gastrin. An immunohistochemical and ultrastructural study] Llombart Bosch A, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):461–4 (Eng. Abstr.) **(Spa)**

SURGERY

Pyrexia associated with a retroperitoneal tumour [letter] Eddleston JM. **Anaesthesia** 1987 Feb;42(2):213–4

Gastric autonomic nerve (GAN) tumor and extra–adrenal paraganglioma in Carney's triad. A common origin. Tortella BJ, et al. **Ann Surg** 1987 Mar;205(3):221–5

Fatal paradoxical cerebral thromboembolus. Golfus GR, et al. **Minn Med** 1987 Feb;70(2):82–4

Retroperitoneal malignant schwannoma. A case report. Ball JH, et al. **S Afr Med J** 1987 Jan 10;71(1):49–52

[Prolonged survival in retroperitoneal liposarcoma. Apropos of a case with 27 years' survival. Prognostic value of the histological type and role of repeat surgery] Boutboul R, et al. **Ann Urol (Paris)** 1986;20(6):397–9 (Eng. Abstr.) **(Fre)**

[Prolonged survival of retroperitoneal liposarcoma patients. Apropos of a case. Prognostic value of the histological type and site of iterative surgery] Boutboul R, et al. **J Chir (Paris)** 1986 Aug–Sep;123(8–9):510 **(Fre)**

[Retroperitoneal liposarcoma. Clinical, prognosis and therapeutic aspects apropos of 4 cases] Laqbaqbi A, et al. **J Chir (Paris)** 1987 May;124(5):331–6 (Eng. Abstr.) **(Fre)**

[Surgical technic in retroperitoneal tumors] Horn J. **Chirurg** 1987 Jul;58(7):441–9 **(Ger)**

[Primary retroperitoneal tumors] Frilling A, et al. **Dtsch Med Wochenschr** 1986 Oct 24;111(43):1636–41 (Eng. Abstr.) **(Ger)**

[Multiple primary retroperitoneal liposarcoma] Niv Y, et al. **Harefuah** 1986 Oct;111(7–8):173–5 (Eng. Abstr.) **(Heb)**

[Retroperitoneal paraganglioma. Description of a clinical case] Griffa B, et al. **Minerva Chir** 1987 Mar 15;42(5):441–4 (Eng. Abstr.) **(Ita)**

[Synchronous triple primary malignant neoplasms in a 42–year–old female] Nakajima K, et al. **Gan No Rinsho** 1987 Jul;33(8):961–8 (Eng. Abstr.) **(Jpn)**

[A case of retroperitoneal lymphangioma successfully treated by pancreatoduodenectomy] Kurokawa Y, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):222–6 (Eng. Abstr.) **(Jpn)**

[A case of retroperitoneal mucinous cystadenoma of borderline malignancy] Nagata J, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):489–92 (Eng. Abstr.) **(Jpn)**

[Prognostic factors and possibilities of treating retroperitoneal sarcoma] Ruka W, et al. **Nowotwory** 1986 Apr–Jun; 36(2):114–23 (Eng. Abstr.) **(Pol)**

[Surgical treatment of tumors of the retroperitoneal space] Sowier J, et al. **Wiad Lek** 1987 Mar 1;40(5):336–40 (Eng. Abstr.) **(Pol)**

[Combined surgical interventions in patients with extraorganic retroperitoneal tumors] Klimenkov AA, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):84–8 (Eng. Abstr.) **(Rus)**

THERAPY

[Diagnosis and treatment of neuroblastoma in children—analysis of 98 patients] Jin BX. **Chung Hua Chung Liu Tsa Chih** 1986 Mar;8(2):118–21 (Eng. Abstr.) **(Chi)**

[Intraoperative radiotherapy] Hoekstra HJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 15;130(46):2075–7 **(Dut)**

[Transarterial embolization in metastatic retroperitoneal tumor] Ogino T, et al. **Gan No Rinsho** 1987 Jan;33(1):103–6 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Electron microscopy of ultrasound–guided fine–needle biopsy specimens. Sehested M, et al. **Br J Radiol** 1987 Apr; 60(712):351–3

RETROPERITONEAL SPACE

Misplacement of a vena cava filter in the retroperitoneum. Darcy MD, et al. **Cardiovasc Intervent Radiol** 1987; 10(1):37–9

Retroperitoneal abscess complicating colonoscopy polypectomy. Ostyn B, et al. **Dis Colon Rectum** 1987 Mar; 30(3):201–3

Developmental retroperitoneal cysts of the pelvis. A review. Ravo B, et al. **Dis Colon Rectum** 1987 Jul;30(7):559–64

Pararenal hematoma as a complication of vaginal hysterectomy. A case report. Lev–Gur M, et al. **J Reprod Med** 1987 Jan;32(1):68–71

[Treatment of subperitoneal hematoma in fractures of the pelvis in children. Value of hemostasis by embolization] Lacheretz M, et al. **Chirurgie** 1986;112(7–8):541–5 (Eng. Abstr.) **(Fre)**

[Retroperitoneal cysts. Description of a case of voluminous chylous retroperitoneal cyst] Pancaldi R, et al. **Minerva Chir** 1987 Mar 15;42(5):435–40 (Eng. Abstr.) **(Ita)**

[New approaches in the diagnosis and treatment of retroperitoneal abscess] Lozano Ojeda F, et al. **Actas Urol Esp** 1986 Sep–Oct;10(5):331–4 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Retroperitoneal compartmental anatomy [letter] Dodds WJ. **AJR** 1987 Apr;148(4):829

Extraperitoneal spaces. Rubenstein WA, et al. **AJR** 1986 Dec; 147(6):1162–4

Perirenal spaces: CT evidence for communication across the midline. Kneeland JB, et al. **Radiology** 1987 Sep; 164(3):657–64

BLOOD SUPPLY

Intra– and retroperitoneal varices simulating lymphomatous nodes—differentiation by duplex ultrasound. Chou YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Dec;85(12):1139–43

INJURIES

Radiologic findings of retroperitoneal perforation after sphincterotomy. Harker L, et al. **J Can Assoc Radiol** 1986 Sep;37(3):169–72

Retroperitoneal injuries: pitfalls in diagnosis and management. Maull KI, et al. **South Med J** 1987 Sep; 80(9):1111–5

[Transfixion] Holm. JB, et al. **Ugeskr Laeger** 1986 Oct 20; 148(43):2763–4 (Eng. Abstr.) **(Dan)**

INNERVATION

Discharge properties of mechanosensitive afferents supplying the retroperitoneal space. Bahns E, et al. **Pflugers Arch** 1986 Nov;407(5):519–25

PATHOLOGY

Magnetic resonance imaging in the evaluation of the retroperitoneum. Demas BE, et al. **Urol Radiol** 1986; 8(3):151–5 (27 ref.)

Adrenal gland and nonrenal retroperitoneum. Yeh HC. **Urol Radiol** 1987;9(2):127–40 (48 ref.)

[Guided fine–needle biopsy of the retroperitoneum under echographic control] Grigorov N, et al. **Vutr Boles** 1986; 25(5):99–101 **(Bul)**

RADIOGRAPHY

The retroperitoneal spaces revisited. Dodds WJ, et al. **AJR** 1986 Dec;147(6):1155–61

Perirenal fluid collection complicating chronic pancreatitis: CT demonstration. Casolo F, et al. **Gastrointest Radiol** 1987;12(2):117–20

The retroposas recess. Demonstration using computed tomography. Kelly RB, et al. **Invest Radiol** 1987 Jul; 22(7):550–5

The accuracy of computed tomography in the diagnosis of retroperitoneal blood in the presence of abdominal aortic aneurysm. Weinbaum FI, et al. **J Vasc Surg** 1987 Jul; 6(1):11–6

The retrorenal colon in the supine and prone patient. Hopper KD, et al. **Radiology** 1987 Feb;162(2):443–6

SURGERY

Management and outcome of retroperitoneal abscesses. Crepps JT, et al. **Ann Surg** 1987 Mar;205(3):276–81

Retroperitoneal dissection in gynecologic surgery for benign disease. Cruikshank SH. **South Med J** 1987 Mar; 80(3):296–300

An anatomic approach to tumors of the psoas major muscle. Nathanson SD, et al. **Surgery** 1987 Jun;101(6):763–6

RETROPNEUMOPERITONEUM

CHEMICALLY INDUCED

Pneumoretroperitoneum secondary to hydrogen peroxide wound irrigations. Swayne LC, et al. **AJR** 1987 Jan; 148(1):149–50

ETIOLOGY

Pneumoretroperitoneum following iliac crest trephine. Williams MP, et al. **Br J Radiol** 1986 Sep;59(705):935–7

RETROSPECTIVE STUDIES

Sample sizes for estimation of exposure–specific disease rates in population–based case–control studies. Mullooly JP. **Am J Epidemiol** 1987 Jun;125(6):1079–84

Logistic regression methods for retrospective case–control studies using complex sampling procedures. Fears TR, et al. **Biometrics** 1986 Dec;42(4):955–60

Cysticercosis—review of 230 patients. McCormick GF. **Bull Clin Neurosci** 1985;50:76–101

Recall bias: a proposal for assessment and control. Raphael K. **Int J Epidemiol** 1987 Jun;16(2):167–70

Epidemiological research methods. Part IV. Case–control studies. Yach D, et al. **S Afr Med J** 1987 Jun 20; 71(12):763–6

RETROVIRIDAE

Separation of human from mouse and monkey adenosine deaminase by ion–exchange chromatography following retroviral–mediated gene transfer. McLachlin JR, et al. **Anal Biochem** 1987 May 15;163(1):143–50

Retroviruses. Jarrett OH. **Arch Dis Child** 1987 Jun; 62(6):628–30

16th annual UCLA symposium. Abstracts: Human retroviruses, cancer and AIDS: approaches to prevention and therapy. **J Cell Biochem [Suppl]** 1987;11D:27–75

Inhibition of human natural killer cell activity by a synthetic peptide homologous to a conserved region in the retroviral protein, p15E. Harris DT, et al. **J Immunol** 1987 Feb 1; 138(3):889–94

The first human retrovirus. Gallo RC. **Sci Am** 1986 Dec; 255(6):88–98 (0 ref.)

ANALYSIS

Biochemical and immunological characterization of structural proteins from retrovirus–D/New England and comparison to Mason–Pfizer monkey virus and permanent human fibroblast virus. Uckert W, et al. **Arch Virol** 1987; 94(3–4):267–82

CLASSIFICATION

Serologic differences among nondefective reticuloendotheliosis viruses [published erratum appears in Arch Virol 1987;95(1–2):157] Chen PY, et al. **Arch Virol** 1987;93(3–4):233–45

LAV/HTLV–III gag gene product p24 shares antigenic determinants with equine infectious anemia virus but not with visna virus or caprine arthritis encephalitis virus. Goudsmit J, et al. **Intervirology** 1986;26(3):169–73

[Classification and pathogenicity of retroviruses and HTLV–related viruses] Taguchi H, et al. **Nippon Rinsho** 1986 Oct;44(10):2137–43 **(Jpn)**

DRUG EFFECTS

A high–affinity monoclonal antibody (GIF–1) to human gamma–interferon: neutralization of interferon mediated inhibition of retrovirus production and 2'–5'(A) synthetase induction. Feit C, et al. **Exp Cell Biol** 1986;54(4):212–9

Antiretroviral activity in a marine red alga: reverse transcriptase inhibition by an aqueous extract of Schizymenia pacifica. Nakashima H, et al. **J Cancer Res Clin Oncol** 1987;113(5):413–6

Broad spectrum antiretroviral activity of 2',3'–dideoxynucleosides. Dahlberg JE, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2469–73

[The effect of phenolic polymers on retroviruses] Sydow G, et al. **Pharmazie** 1986 Dec;41(12):865–8 (Eng. Abstr.) **(Ger)**

[The biological effects of coordination compounds of transitional metals. 6. Effect of 4–methyl–2–aminopyridine–palladium chloride and cis–dichlorodiammine–platinum(II) on retroviruses and the virus–associated RNA polymerase of the influenza virus] Sydow G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Aug;262(2):169–78 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Characterization of the purified RNA dependent DNA polymerase isolated from Drosophila. Becker JL, et al. **Cell Mol Biol** 1987;33(2):225–35

Sequence specificity of retroviral proteases [letter] Pearl LH, et al. **Nature** 1987 Aug 6–12;328(6130):482

A structural model for the retroviral proteases. Pearl LH, et al. **Nature** 1987 Sep 24–30;329(6137):351–4

Computer analysis of retroviral pol genes: assignment of enzymatic functions to specific sequences and homologies with nonviral enzymes. Johnson MS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7648–52

GENETICS

Oncogenes in retroviruses and cells: biochemistry and molecular genetics. Bister K, et al. **Adv Cancer Res** 1986; 47:99–188 (442 ref.)

Retroid virus genome replication. Mason WS, et al. **Adv Virus Res** 1987;32:35–96 (285 ref.)

Genetic analysis of a new subgroup of human and simian T–lymphotropic retroviruses: HTLV–IV, LAV–2, SBL–6669, and STLV–IIIAGM. Franchini G, et al. **AIDS Res Hum Retroviruses** 1987 Spring;3(1):11–7

Structure of the long terminal repeat of simian lymphotropic virus type III (African green monkey) and its relatedness to that of HIV. Guo HG, et al. **AIDS Res Hum Retroviruses** 1987 Summer;3(2):177–85

Recombinant retroviruses in transgenic mice. Botteri FM, et al. **Ann NY Acad Sci** 1986;478:255–68 (56 ref.)

Effect of platelet–derived factor on expression of bovine leukemia virus genome. Tsukiyama K, et al. **Arch Virol** 1987;96(1–2):89–96

mRNA from human colon tumor and mucosa related to the pol gene of an endogenous A–type retrovirus. Moshier JA, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1071–7

Mechanisms of retrovirus–induced leukaemia: selected aspects. Neil JC, et al. **Biochim Biophys Acta** 1987 Apr 20;907(1):71–91

The yeast Ty element: recent advances in the study of a model retro–element. Adams SE, et al. **Bioessays** 1987 Jul; 7(1):3–9 (67 ref.)

Retrovirus vectors and their uses in molecular biology. Gilboa E. **Bioessays** 1986 Dec;5(6):252–7 (21 ref.)

Gene transfer to primary normal and malignant human hemopoietic progenitors using recombinant retroviruses. Hogge DE, et al. **Blood** 1987 Feb;69(2):611–7

Human–fms gene is retained in acute lymphoblastic leukemia cells with del(5)(q32). Ohyashiki JH, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):341–50

Factors influencing the expression of endogenous retrovirus–related sequences in the liver of B6C3 mice. Dragani TA, et al. **Cancer Res** 1987 Feb 1;47(3):795–8

Expression of retroviral sequences and oncogenes in rat liver tumors induced by diethylnitrosamine. Hsieh LL, et al. **Cancer Res** 1987 Jul 1;47(13):3421–4

Production of transforming growth factors by simian sarcoma virus–transformed cells. van Zoelen EJ, et al. **Cancer Res** 1987 Mar 15;47(6):1582–7

The functions and relationships of Ty–VLP proteins in yeast reflect those of mammalian retroviral proteins. Adams SE, et al. **Cell** 1987 Apr 10;49(1):111–9

Chromosomal position or virus mutation permits retrovirus expression in embryonal carcinoma cells. Barklis E, et al. **Cell** 1986 Nov 7;47(3):391–9

The genome organization of STLV–3 is similar to that of the AIDS virus except for a truncated transmembrane protein. Hirsch V, et al. **Cell** 1987 May 8;49(3):307–19

Retroviruses and evolution. Temin HM. **Cell Biophys** 1986 Dec;9(1–2):9–16

Genetic engineering of mouse and human stem cells. Bernstein A, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1083–91

The molecular biology of Gaucher disease and the potential for gene therapy. Choudary PV, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1047–52

Efficient expression of foreign genes in mice reconstituted with retrovirus–infected bone marrow cells. Keller G, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1053–8

Transfer of genes into human somatic cells using retrovirus vectors. Miller AD, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1013–9

Gene replacement therapy for inborn errors of purine metabolism. Nelson DL, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1065–71

Gaucher disease: retrovirus–mediated correction of the enzymatic defect in cultured cells. Sorge J, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1041–6

Retrovirus–mediated gene transfer of argininosuccinate synthetase into cultured rodent cells and human citrullinemic fibroblasts. Wood PA, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:1027–32

Induction of clonal monocyte/macrophage tumors in vivo by a mouse c–myc retrovirus: evidence for secondary transforming events. Baumbach WR, et al. **Curr Top Microbiol Immunol** 1986;132:23–32

Induction of fgr proto–oncogene mRNA in B lymphocytes as a consequence of Epstein–Barr virus infection. Cheah MS, et al. **Curr Top Microbiol Immunol** 1986;132:237–45

Rapid induction of plasmacytomas in mice by pristane and a murine recombinant retrovirus containing an avian v–myc and a defective raf oncogene. Potter M, et al. **Curr Top Microbiol Immunol** 1986;132:40–3

Induction of hematopoietic tumors using a viral construct containing c–myc cDNA from normal mouse spleen. Wolff L, et al. **Curr Top Microbiol Immunol** 1986;132:33–9

Chromosomal localization of human endogenous retroviral element ERV1 to 18q22——q23 by in situ hybridization. Renan MJ, et al. **Cytogenet Cell Genet** 1987;44(2–3):167–70

Structure and genomic organization of proretrovirus–like elements partially eliminated from the somatic genome of Ascaris lumbricoides. Aeby P, et al. **EMBO J** 1986 Dec 1;5(12):3353–60

Developmental expression of Drosophila melanogaster retrovirus–like transposable elements. Parkhurst SM, et al. **EMBO J** 1987 Feb;6(2):419–24

The 3' region of bovine leukemia virus genome encodes a trans–activator protein. Rosen CA, et al. **EMBO J** 1986 Oct;5(10):2585–9

Secretion of enzymatically active human renin from mammalian cells using an avian retroviral vector. Weighous TF, et al. **Gene** 1986;45(2):121–9

Hepadnaviruses and retroviruses share genome homology and features of replication. Robinson WS, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):64S–73S

The expression of retroviral vectors in murine stem cells and transgenic mice. Stewart CL, et al. **J Embryol Exp Morphol** 1986 Oct;97 Suppl:263–75

Retroviral activation of interleukin 2 gene in a gibbon ape T cell lymphoma line. Durand DB, et al. **J Exp Med** 1986 Nov 1;164(5):1723–34

Expression of human adenosine deaminase in nonhuman primates after retrovirus–mediated gene transfer. Kantoff PW, et al. **J Exp Med** 1987 Jul 1;166(1):219–34

Pathogenicity of retroviruses containing either the normal human c–Ha–ras1 gene or its mutated form derived from the bladder carcinoma EJ/T24 cell line. Chang EH, et al. **J Exp Pathol** 1985 Fall;2(3):177–89

Antigenic and structural variation of the p28 core polypeptide of goat and sheep retroviruses. McGuire TC, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2259–63

Trans–activation of long terminal repeat sequence–mediated gene expression is not a property of type D retrovirus replication. Thielan BJ, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2265–70

High efficiency gene transfer and expression in normal murine B lymphocytes. Wu DD, et al. **J Immunol Methods** 1987 Aug 3;101(2):279–85

Similarities among the pre–S regions of hepatitis B viruses: analogy with retroviral transmembrane proteins. Elfassi E, et al. **J Theor Biol** 1986 Aug 7;121(3):371–4

Effect of internal viral sequences on the utility of retroviral vectors. Armentano D, et al. **J Virol** 1987 May; 61(5):1647–50

Genetic background affects integration frequency of ecotropic proviral sequences into the mouse germ line. Bautch VL. **J Virol** 1986 Nov;60(2):693–701

Nucleic acid sequence and oncogenic properties of the HZ2 feline sarcoma virus v–abl insert. Bergold PJ, et al. **J Virol** 1987 Apr;61(4):1193–202

Molecular characterization of the Akvr–1 restriction gene: a defective endogenous retrovirus–borne gene identical to Fv–4r. Dandekar S, et al. **J Virol** 1987 Feb;61(2):308–14

Bovine leukemia virus transcription is controlled by a virus–encoded trans–acting factor and by cis–acting response elements. Derse D. **J Virol** 1987 Aug; 61(8):2462–71

Lack of competition results in efficient packaging of heterologous murine retroviral RNAs and reticuloendotheliosis virus encapsidation–minus RNAs by the reticuloendotheliosis virus helper cell line. Embretson JE, et al. **J Virol** 1987 Sep;61(9):2675–83

Generation of aliered transcripts by retroviral insertion within the c–myb gene in two murine monocytic leukemias. Gonda TJ, et al. **J Virol** 1987 Sep;61(9):2754–63

Induction of simian acquired immune deficiency syndrome (SAIDS) with a molecular clone of a type D SAIDS retrovirus. Heidecker G, et al. **J Virol** 1987 Oct; 61(10):3066–71

Nucleotide sequence and transcriptional activity of the caprine arthritis–encephalitis virus long terminal repeat. Hess JL, et al. **J Virol** 1986 Nov;60(2):385–93

Transduction of host cellular sequences by a retroviral shuttle vector. Jhappan C, et al. **J Virol** 1986 Nov;60(2):750–3

cDNA cloning with a retrovirus expression vector: generation of a pp60c–src cDNA clone. Kaplan PL, et al. **J Virol** 1987 May;61(5):1731–4

Tissue–specific expression of human provirus ERV3 mRNA in human placenta: two of the three ERV3 mRNAs contain human cellular sequences. Kato N, et al. **J Virol** 1987 Jul; 61(7):2182–91

Isolation of novel human retrovirus–related sequences by hybridization to synthetic oligonucleotides complementary to the tRNA(Pro) primer–binding site. Kröger B, et al. **J Virol** 1987 Jul;61(7):2071–5

Retroviral vector gene expression in F9 embryonal carcinoma cells. Linney E, et al. **J Virol** 1987 Oct; 61(10):3248–53

Structure of a human retroviral sequence related to mouse mammary tumor virus. May FE, et al. **J Virol** 1986 Nov; 60(2):743–9

Nucleotide sequence of a complete mouse intracisternal A–particle genome: relationship to known aspects of particle assembly and function. Mietz JA, et al. **J Virol** 1987 Oct;61(10):3020–9

Nucleotide sequence of human endogenous retrovirus genome related to the mouse mammary tumor virus genome. Ono M, et al. **J Virol** 1986 Nov;60(2):589–98

Fibroblast transformation parameters induced by the avian v–mil oncogene. Palmieri S, et al. **J Virol** 1987 May; 61(5):1717–21

Genetic analysis of myeloproliferative leukemia virus, a novel acute leukemogenic replication–defective retrovirus. Penciolelli JF, et al. **J Virol** 1987 Feb;61(2):579–83

Myristylation is required for intracellular transport but not for assembly of D–type retrovirus capsids. Rhee SS, et al. **J Virol** 1987 Apr;61(4):1045–53

Instability of large direct repeats in retrovirus vectors. Rhode BW, et al. **J Virol** 1987 Mar;61(3):925–7

Expression of the bovine leukemia virus X region in virus–infected cells. Rice NR, et al. **J Virol** 1987 May; 61(5):1577–85

Rescue of type I collagen–deficient phenotype by retroviral–vector–mediated transfer of human pro alpha 1(I) collagen gene into Mov–13 cells. Stacey A, et al. **J Virol** 1987 Aug;61(8):2549–54

B–lymphoma induction by reticuloendotheliosis virus: characterization of a mutated chicken syncytial virus provirus involved in c–myc activation. Swift RA, et al. **J Virol** 1987 Jul;61(7):2084–90

Acceptor sites for retroviral integrations map near DNase I–hypersensitive sites in chromatin. Vijaya S, et al. **J Virol** 1986 Nov;60(2):683–92

Two distinct sequence elements mediate retroviral gene expression in embryonal carcinoma cells. Weiher H, et al. **J Virol** 1987 Sep;61(9):2742–6

The bovine leukemia virus X region encodes a trans–activator of its long terminal repeat. Katoh I, et al. **Jpn J Cancer Res** 1987 Feb;78(2):93–8

Generation of an autocrine leukaemia using a retroviral expression vector carrying the interleukin–3 gene. Hapel AJ, et al. **Lymphokine Res** 1986 Fall;5(4):249–54

Varied interactions between proviruses and adjacent host chromatin. Conklin KF, et al. **Mol Cell Biol** 1986 Nov; 6(11):3999–407

High mutation rate of a spleen necrosis virus–based retrovirus vector. Dougherty JP, et al. **Mol Cell Biol** 1986 Dec; 6(12):4387–95

Quantitative analysis of gene suppression in integrated retrovirus vectors. Emerman M, et al. **Mol Cell Biol** 1986 Mar;6(3):792–800

Nucleotide sequence analysis of a cloned DNA fragment from human cells reveals homology to retrotransposons. Flügel RM, et al. **Mol Cell Biol** 1987 Jan;7(1):231–6

Activation of the cellular src gene by transducing retrovirus. Ikawa S, et al. **Mol Cell Biol** 1986 Jul;6(7):2420–8

Diverse long terminal repeats are associated with murine retroviruslike (VL30) elements. Itin A, et al. **Mol Cell Biol** 1986 Apr;6(4):1276–82

The Drosophila melanogaster gypsy transposable element encodes putative gene products homologous to retroviral proteins. Marlor RL, et al. **Mol Cell Biol** 1986 Apr; 6(4):1129–34

Redesign of retrovirus packaging cell lines to avoid recombination leading to helper virus production. Miller AD, et al. **Mol Cell Biol** 1986 Aug;6(8):2895–902

Retrovirus shuttle vector for study of kinase activities of

pp60c-src synthesized in vitro and overproduced in vivo. Piwnica-Worms H, et al. **Mol Cell Biol** 1986 Jun; 6(6):2033–40

Individual mouse VL30 elements transferred to rat cells by viral pseudotypes retain their responsiveness to activators of protein kinase C. Rodland KD, et al. **Mol Cell Biol** 1987 Jun;7(6):2296–8

Interruption of two immunoglobulin heavy-chain switch regions in murine plasmacytoma P3.26Bu4 by insertion of retroviruslike element ETn. Shell B, et al. **Mol Cell Biol** 1987 Apr;7(4):1364–70

Human retroviral sequences on the Y chromosome. Silver J, et al. **Mol Cell Biol** 1987 Apr;7(4):1559–62

Crystallin gene expression and lentoid body formation in quail embryo neuroretina cultures transformed by the oncogenic retrovirus Mill Hill 2 or Rous sarcoma virus. Simonneau L, et al. **Mol Cell Biol** 1986 Nov;6(11):3704–10

Activation of oncogenicity of the c-rel proto-oncogene. Sylla BS, et al. **Mol Cell Biol** 1986 Dec;6(12):4709–16

gp140v-fms molecules expressed at the surface of cells transformed by the McDonough strain of feline sarcoma virus are phosphorylated in tyrosine and serine. Tamura T, et al. **Mol Cell Biol** 1986 Dec;6(12):4745–8

Coinfection with viruses carrying the v-Ha-ras and v-myc oncogenes leads to growth factor independence by an indirect mechanism. Vogt M, et al. **Mol Cell Biol** 1986 Oct;6(10):3545–9

New human and simian HIV-related retroviruses possess functional transactivator (tat) gene. Arya SK, et al. **Nature** 1987 Aug 6–12;328(6130):548–50

Sequence of simian immunodeficiency virus from macaque and its relationship to other human and simian retroviruses. Chakrabarti L, et al. **Nature** 1987 Aug 6–12;328(6130):543–7

Sequence of simian immunodeficiency virus and its relationship to the human immunodeficiency viruses. Franchini G, et al. **Nature** 1987 Aug 6–12;328(6130):539–43

Unusual priming mechanism of RNA-directed DNA synthesis in copia retrovirus-like particles of Drosophila. Kikuchi Y, et al. **Nature** 1986 Oct 30-Nov 5; 323(6091):824–6

Germ-line transmission of genes introduced into cultured pluripotential cells by retroviral vector. Robertson E, et al. **Nature** 1986 Oct 2–8;323(6087):445–8

The v-fms oncogene induces factor independence and tumorigenicity in CSF-1 dependent macrophage cell line. Wheeler EF, et al. **Nature** 1986 Nov 27–Dec 3; 324(6095):377–80

Bovine leukemia provirus in the DNA of different infected host cells. Slávíková K, et al. **Neoplasma** 1986;33(6):671–8

Bovine leukosis virus: recloning of specific DNA fragments. Zajac V, et al. **Neoplasma** 1986;33(5):545–50

Comparison of promoter suppression in avian and murine retrovirus vectors. Emerman M, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9381–96

The LINE-1 DNA sequences in four mammalian orders predict proteins that conserve homologies to retrovirus proteins. Fanning T, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2251–60

A promoterless retroviral vector indicates that there are sequences in U3 required for 3' RNA processing. Dougherty JP, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1197–201

Production of glycosylated physiologically "normal" human alpha 1-antitrypsin by mouse fibroblasts modified by insertion of a human alpha 1-antitrypsin cDNA using a retroviral vector. Garver RI Jr, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1050–4

Handicapped retroviral vectors efficiently transduce foreign genes into hematopoietic stem cells. Hawley RG, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2406–10

Functional analysis of a retroviral host-range mutant: altered long terminal repeat sequences allow expression in embryonal carcinoma cells. Hilberg F, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5232–6

Cross-reactivity to human T-lymphotropic virus type III/lymphadenopathy-associated virus and molecular cloning of simian T-cell lymphotropic virus type III from African green monkeys. Hirsch V, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9754–8

Retroviral-mediated transfer of genomic globin genes leads to regulated production of RNA and protein. Karlsson S, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2411–5

Retroviral gene transfer into primary hepatocytes: implications for genetic therapy of liver-specific functions. Ledley FD, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5335–9

The lethal yellow allele-associated provirus results in the production of chimeric viral-host RNAs. Lovett M, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2853–7

Relocation of a protease-like gene segment between two retroviruses. McClure MA, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2693–7

Modulation of gene expression in multiple hematopoietic cell lineages following retroviral vector gene transfer. Magli MC, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):789–93

Efficient retrovirus-mediated transfer and expression of a human adenosine deaminase gene in diploid skin fibroblasts from an adenosine deaminase-deficient human. Palmer TD, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1055–9

Lineage analysis in the vertebrate nervous system by retrovirus-mediated gene transfer. Price J, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):156–60

A cellular enhancer of retrovirus gene expression in embryonal carcinoma cells. Taketo M, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3748–52

Transformation of normal rat kidney (NRK) cells by an infectious retrovirus carrying a synthetic rat type alpha transforming growth factor gene. Watanabe S, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1258–62

Gene expression from transcriptionally disabled retroviral vectors. Yee JK, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(15):5197–201

Ultrastructural localization of a platelet-derived growth factor/v-sis-related protein(s) in cytoplasm and nucleus of simian sarcoma virus-transformed cells. Yeh HJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2317–21

Tissue-specific expression of functionally rearranged lambda 1 Ig gene through a retrovirus vector. Cone RD, et al. **Science** 1987 May 22;236(4804):954–7

The role of individual cysteine residues in the structure and function of the v-sis gene product. Giese NA, et al. **Science** 1987 Jun 5;236(4806):1315–8

Avian v-myc replaces chromosomal translocation in murine plasmacytomagenesis. Potter M, et al. **Science** 1987 Feb 13;235(4790):787–9

Tissue-specific and ectopic expression of genes introduced into transgenic mice by retroviruses. Soriano P, et al. **Science** 1986 Dec 12;234(4782):1409–13

Selection for phenylalanine hydroxylase activity in cells transformed with recombinant retroviruses. Ledley FD, et al. **Somatic Cell Mol Genet** 1987 Mar;13(2):145–54

Expression of human argininosuccinate synthetase after retroviral-mediated gene transfer. Wood PA, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):493–500

Structure and origins of the HZ2-feline sarcoma virus. Bergold PJ, et al. **Virology** 1987 Jun;158(2):320–9

Transcriptional activity of the gibbon ape leukemia virus in the interleukin 2 gene of MLA 144 cells. Holbrook NJ, et al. **Virology** 1987 Jul;159(1):178–82

Cis-acting transcriptional regulatory sequences in the gibbon ape leukemia virus (GALV) long terminal repeat. Holbrook NJ, et al. **Virology** 1987 Mar;157(1):211–9

Molecular cloning of infectious proviral genomes of bovine leukemia virus. Itohara S, et al. **Virology** 1987 Jul; 159(1):158–60

Isolation of an SSAV-related endogenous sequence from human DNA. Leib-Mösch C, et al. **Virology** 1986 Dec; 155(2):666–77

The spleen necrosis virus int gene product expressed in Escherichia coli has DNA binding activity and mediates att and U5-specific DNA multimer formation in vitro. Luk KC, et al. **Virology** 1987 Mar;157(1):127–36

Nucleotide sequence of a radiation leukemia virus genome. Merregaert J, et al. **Virology** 1987 May;158(1):88–102

Sequence relationships of type D retroviruses which cause simian acquired immunodeficiency syndrome. Thayer RM, et al. **Virology** 1987 Apr;157(2):317–29

Expression of a cDNA clone corresponding to the long open reading frame (XBL-I) of the bovine leukemia virus. Willems L, et al. **Virology** 1987 Sep;160(1):55–9

[Retroviruses] Michels JM. **Bull Soc Sci Med Grand Duche Luxemb** 1986;123(2):95–8 **(Fre)**

[Retrovirus vectors] Shimotohno K. **Uirusu** 1986 Jun; 36(1):35–41 (20 ref.) **(Jpn)**

[Drosophila mobile element jockey is a retroposon and encodes the GAG-specific protein sequence characteristic for retroviruses] Mizrokhi LIu, et al. **Dokl Akad Nauk SSSR** 1987;294(5):1235–9 **(Rus)**

[Detection of nucleotide sequences specific for retroviruses in Saccharomyces cells] Ratovitskiĭ EA, et al. **Genetika** 1987 Jan;23(1):21–9 (Eng. Abstr.) **(Rus)**

[Role of the cytoskeleton and homologs of retrovirus genes in yeast cell division] Streiblová E, et al. **Izv Akad Nauk SSSR [Biol]** 1987 May-Jun;(3):353–60 (44 ref.) **(Rus)**

[Transcription, in frog oocytes and transgenic mice, of recombinant plasmids with long terminal repeats of retrovirus proviruses] Kosikov AI, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):21–6 (Eng. Abstr.) **(Rus)**

[Nonstructural glycosylated polyproteins coded for by the gag gene of retrovirus type D expressed on the plasma membrane] Morozov VA, et al. **Vopr Virusol** 1986 Jul-Aug; 31(4):480–5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

In vitro viral expression as a criterion for development of control procedures for enzootic bovine leukosis. Weber AF, et al. **Am J Vet Res** 1987 Jun;48(6):899–903

Effective propagation of various type D retroviruses in human lymphoblastoid Raji cells. Fleischhacker M, et al. **Arch Geschwulstforsch** 1987;57(1):1–6

Production of cytotoxin to a tumor cell in co-cultures of macrophage cell line with bovine leukemia virus producing cell line. Inooka S. **Cell Biol Int Rep** 1986 Aug;10(8):659–65

Bovine leukemia virus replicates in sheep B lymphocytes under a T cell released factor. Djilali S, et al. **Eur J Cancer Clin Oncol** 1987 Jan;23(1):81–5

Establishment of bovine leukemia virus-producing and -nonproducing B-lymphoid cell lines and their proviral genomes. Itohara S, et al. **Leuk Res** 1987;11(5):407–14

Retrovirus-like particles produced by human embryonal cells and cell lines derived from human malignancies. Prachař J, et al. **Neoplasma** 1986;33(5):551–4

[Selected aspects of acid and temperature resistance of the bovine leukosis virus] Starick E, et al. **Arch Exp Veterinarmed** 1987 May;41(3):398–406 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

BLV receptor activity in plasma membranes from tumorous lymph nodes of BLV-infected cows. Ristau E, et al. **Acta Virol (Praha)** 1986 Nov;30(6):449–56

A new human retrovirus isolate of West African origin (SBL-6669) and its relationship to HTLV-IV, LAV-II, and HTLV-IIIB. Albert J, et al. **AIDS Res Hum Retroviruses** 1987 Spring;3(1):3–10

Immunohistochemical localization of human and simian immunodeficiency viral antigens in fixed tissue sections. Ward JM, et al. **Am J Pathol** 1987 May;127(2):199–205

Seroreactivity of Peruvian sheep and goats to small ruminant lentivirus-ovine progressive pneumonia virus. Madewell BR, et al. **Am J Vet Res** 1987 Mar;48(3):372–4

Monoclonal antibodies define antigenic regions on the major internal protein p24 of bovine leukemia virus (BLV). Aida Y, et al. **Arch Virol** 1987;94(3–4):315–21

Bovine leucosis virus: antibody in cattle in New South Wales. Burton RW, et al. **Aust Vet J** 1986 Nov;63(11):380–1

The effect of colostrum-derived antibody on neo-natal transmission of caprine arthritis-encephalitis virus infection. Ellis TM, et al. **Aust Vet J** 1986 Aug;63(8):242–5

Stability of bovine leukemia virus antigens. Inumaru S, et al. **Can J Vet Res** 1987 Jan;51(1):95–8

Eradication of bovine leukemia virus infection in commercial dairy herds using the agar gel immunodiffusion test. Shettigara PT, et al. **Can J Vet Res** 1986 Apr;50(2):221–6

Neutralizing antibody prevents type D retrovirus viremia in Celebes black macaques. Wilson BJ, et al. **Clin Exp Immunol** 1986 Aug;65(2):265–8

STLV-I antibodies in feral populations of East African vervet monkeys (Cercopithecus aethiops). Dracopoli NC, et al. **Int J Cancer** 1986 Oct 15;38(4):523–9

Seroepidemiologic survey of captive Old-World primates for antibodies to human and simian retroviruses, and isolation of a lentivirus from sooty mangabeys (Cercocebus atys). Lowenstine LJ, et al. **Int J Cancer** 1986 Oct 15;38(4):563–74

Serologic prevalence of caprine arthritis-encephalitis virus in California goat dairies. East NE, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):182–6

Humoral immune responses to T cell tropic retrovirus simian T lymphotropic virus type III in monkeys with experimentally induced acquired immune deficiency-like syndrome. Kannagi M, et al. **J Clin Invest** 1986 Nov; 78(5):1229–36

Prevention of simian acquired immune deficiency syndrome with a formalin-inactivated type D retrovirus vaccine. Marx PA, et al. **J Virol** 1986 Nov;60(2):431–5

The causes of false-positives encountered during the screening of old-world primates for antibodies to human and simian retroviruses by ELISA. Pedersen NC, et al. **J Virol Methods** 1986 Nov;14(3–4):213–28

A protein immunoblot test for detection of bovine leukemia virus p24 antibody in cattle and experimentally infected sheep. Walker PJ, et al. **J Virol Methods** 1987 Feb; 15(3):201–11

Detection of cross-reactive antibody to BLV p24 in sera of human patients infected with HTLV. Onuma M, et al. **Microbiol Immunol** 1987;31(2):131–7

Retroviral vaccines. How close is C to D? [news] Groopman JE. **Nature** 1986 Oct 9–15;323(6088):489

Discrimination between antibodies to HIV and to related retroviruses using site-directed serology. Norrby E, et al. **Nature** 1987 Sep 17–23;329(6136):248–50

Existence of antigens cross-linking to tumor associated antigens of enzootic bovine leukosis in normal tissues of the bovine fetus. Okada K, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):373–7

Virus specific syngeneic killing of reticuloendotheliosis virus transformed cell line target cells by spleen cells. Weinstock D, et al. **Prog Clin Biol Res** 1987;238:253–63

Inhibition of lymphocyte proliferation by a synthetic peptide homologous to envelope proteins of human and animal retroviruses. Cianciolo GJ, et al. **Trans Assoc Am Physicians** 1985;98:30–41

Monoclonal antibodies to the v-fes product and to feline leukemia: virus P27 interspecies-specific determinants encoded by feline sarcoma viruses. Ishida T, et al. **Virology** 1986 Dec;155(2):678–87

[Radioimmunologic detection of antibodies to bovine leukemia virus] Franz J, et al. **Vet Med (Praha)** 1986 Aug; 31(8):459–68 (Eng. Abstr.) **(Cze)**

[Detection of bovine leukemia virus antibodies using the cytotoxicity test in comparison with other serologic methods] Granátová M, et al. **Vet Med (Praha)** 1986 Aug; 31(8):451–8 (Eng. Abstr.) **(Cze)**

[Diagnosis of enzootic bovine leukosis by the ELISA test of mixed and individual milk] Toma B, et al. **Ann Rech Vet** 1986;17(1):75–83 (Eng. Abstr.) **(Fre)**

[Protection of sheep against infection with bovine leukemia virus by vaccination with tumor cells or tumor cell preparations from lymph nodes of leukemic cattle] Ristau E, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):185–96 (Eng. Abstr.) **(Ger)**

[The course of infection with bovine leukosis virus (BLV) in calves after the administration of cell extract from lymph

node tumors of BLV-infected cattle] Ristau E, et al. **Arch Exp Veterinarmed** 1987 May;41(3):323-31 (Eng. Abstr.) **(Ger)**

[Concentrating of ieukosis antibodies in bulk milk (using a dialysis system) for study in an ELISA system] Pallesen U. **DTW** 1986 Jul 23;93(7):319-20 (Eng. Abstr.) **(Ger)**

[Obtaining specific antigens of enzootic bovine leukemia virus] Grundboeck M, et al. **Pol Arch Weter** 1986; 24(3):327-37 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Studies of human retroviruses in relation to adult T-cell leukaemia, acquired immune deficiency syndrome, and multiple sclerosis. Karpas A, et al. **Arch Virol** 1987; 95(3-4):237-49

Simultaneous isolation of simian foamy virus and HTLV-III/LAV from chimpanzee lymphocytes following HTLV-III or LAV inoculation. Nara PL, et al. **Arch Virol** 1987;92(1-2):183-6

The effect of pasteurisation on bovine leucosis virus-infected milk. Chung YS, et al. **Aust Vet J** 1986 Nov;63(11):379-80

Retroviral elements and suppressor genes in Drosophila. Parkhurst SM, et al. **Bioessays** 1986 Aug;5(2):52-7

Confirmation of a retrovirus in a B95-8 cell line [letter] Moore GE. **In Vitro Cell Dev Biol** 1987 Mar;23(3):153

Serological survey and virus isolation of simian T-cell leukemia/T-lymphotropic virus type I (STLV-I) in non-human primates in their native countries. Ishikawa K, et al. **Int J Cancer** 1987 Aug 15;40(2):233-9

Macaque monkey type D retrovirus replicates in vitro in a distinct subpopulation of B lymphocytes. Yetz JM, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):573-6

Isolation of a lentivirus from a macaque with lymphoma: comparison with HTLV-III/LAV and other lentiviruses. Benveniste RE, et al. **J Virol** 1986 Nov;60(2):483-90

Isolation of a retrovirus from the American bison and its relation to bovine retroviruses. Amborski GF, et al. **J Wildl Dis** 1987 Jan;23(1):7-11

Retrovirus produced by a lymphoid cell line from an infant with acute lymphoblastic leukemia. Miki T, et al. **Jpn J Cancer Res** 1987 Feb;78(2):144-52

Viremia, antigenemia, and serum antibodies in rhesus macaques infected with simian retrovirus type 1 and their relationship to disease course. Kwang HS, et al. **Lab Invest** 1987 Jun;56(6):591-7

Retrovirus and Kawasaki disease [letter] Nigro G, et al. **Lancet** 1986 Nov 1;2(8514):1045

No involvement of bovine leukemia virus in sporadic bovine lymphosarcoma. Ogawa Y, et al. **Microbiol Immunol** 1986; 30(7):697-701

Isolation of a T-lymphotropic virus from domestic cats with an immunodeficiency-like syndrome. Pedersen NC, et al. **Science** 1987 Feb 13;235(4790):790-3

Characteristics of a novel lentivirus derived from South African sheep with pulmonary adenocarcinoma (jaagsiekte). Quérat G, et al. **Virology** 1987 May; 158(1):158-67

Isolation and characterization of covalently closed circular proviral DNA molecules of several type D retroviruses isolated from human cell lines. Uckert W, et al. **Virology** 1986 Dec;155(2):742-6

[The retrovirus can be detected in hybridoma cell strains with the electron microscope] Huang FL, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):338-9 (Eng. Abstr.) **(Chi)**

[Detection of enzootic bovine leukemia virus using the syncytium test] Hofirek B, et al. **Vet Med (Praha)** 1986 Oct;31(10):577-85 (Eng. Abstr.) **(Cze)**

[Demonstration of the expression of bovine leukemogenic virus (BLV) in sheep lymphocytes by an immunofluorescence technic using monoclonal antibodies] Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1986; 9(4):317-23 (Eng. Abstr.) **(Fre)**

METABOLISM

Functionally distinct serine phosphorylation sites of p36, the cellular substrate of retroviral protein kinase; differential inhibition of reassociation with p11. Johnsson N, et al. **EMBO J** 1986 Dec 20;5(13):3455-60

Interactions of retroviral structural proteins with single-stranded nucleic acids. Karpel RL, et al. **J Biol Chem** 1987 Apr 15;262(11):4961-7

Characterization of a virus-specific proteolytic activity processing the gag precursor of the simian sarcoma-associated virus. Kräusslich HG, et al. **Virology** 1987 Feb;156(2):246-52

Biosynthesis and chemical and immunological characterization of avian reticuloendotheliosis virus env gene-encoded proteins. Tsai WP, et al. **Virology** 1986 Dec; 155(2):567-83

PATHOGENICITY

Retroviruses as carcinogens and pathogens: expectations and reality. Duesberg PH. **Cancer Res** 1987 Mar 1; 47(5):1199-220 (278 ref.)

Modification of cell surface glycoproteins, macrophage cytostasis, and blood-borne metastatic properties of the murine RAW117 large cell lymphoma by virus superinfection. Yoshida M, et al. **Cancer Res** 1987 May 15;47(10):2558-62

Transmission of simian acquired immunodeficiency syndrome with a type D retrovirus: immunological aspects. Wilson BJ, et al. **Clin Immunol Immunopathol** 1986 Dec; 41(3):453-60

Transposable elements and cancer. Arman E, et al. **Curr Top Microbiol Immunol** 1986;132:90-7

Retroviruses and lymphoproliferative disease. Solomon AR. **Dermatol Clin** 1985 Oct;3(4):615-27 (132 ref.)

Experimental transmission of enzootic bovine leukosis to cattle, sheep and goats: infectious doses of blood and incubation period of the disease. Mammerickx M, et al. **Leuk Res** 1987;11(4):353-8

The primate trade and the origin of AIDS viruses [letter] Giunta S, et al. **Nature** 1987 Sep 3-9;329(6134):22

[Role of the expression of the bovine leukemia virus in the pathogenesis of hemoblastoses] Konycheva VV, et al. **Vopr Onkol** 1987;33(1):72-7 (Eng. Abstr.) **(Rus)**

[Retrovirus, oncogenes and malignant transformation] Fernández-Cruz E. **Rev Clin Esp** 1986 Nov;179(8):389-91 **(Spa)**

PHYSIOLOGY

Expression of C-type virus in non differentiating rat myoblasts correlates with neoplastic progression. Leibovitch MP, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1111-9

The multifaceted retrovirus. Levy JA. **Cancer Res** 1986 Nov; 46(11):5457-68 (201 ref.)

In vitro transformation of epithelial cell by acute retroviruses. Vecchio G, et al. **Horiz Biochem Biophys** 1986;8:415-70 (105 ref.)

Macrophage cell lines transformed by the malignant histiocytosis sarcoma virus: increase of CSF receptors suggests a model for transformation. Klingler K, et al. **J Cell Physiol** 1987 Jul;132(1):22-32

Cleavage fragments of the retrovirus surface protein gp70 during virus entry. Andersen KB. **J Gen Virol** 1987 Aug; 68 (Pt 8):2193-202

Enhanced production of a human spumavirus (Retroviridae) in semi-permissive cell cultures after treatment with 5-azacytidine. Hotta J, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1183-6

Coexistence of a chemotactic factor and a retroviral P15E-related chemotaxis inhibitor in human tumor cell culture supernatants. Wang JM, et al. **J Immunol** 1986 Oct 15;137(8):2726-32

Pseudotyped retroviral vectors reveal restrictions to reticuloendotheliosis virus replication in rat cells. Embretson JE, et al. **J Virol** 1986 Nov;60(2):662-8

Stimulation of expression of the human endogenous retrovirus genome by female steroid hormones in human breast cancer cell line T47D. Ono M, et al. **J Virol** 1987 Jun;61(6):2059-62

Assay of effect of interferon on virus-induced cell fusion. Tomita Y, et al. **Methods Enzymol** 1986;119:702-6

Complete correction of the enzymatic defect of type I Gaucher disease fibroblasts by retroviral-mediated gene transfer. Sorge J, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):906-9

Oncogenic viruses of domestic animals. Olsen RG, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Nov; 16(6):1129-44 (113 ref.)

Recombinant human interferons inhibit replication of Mason-Pfizer monkey virus in primate cells. Chatterjee S, et al. **Virology** 1987 Apr;157(2):548-51

Generation of competent virus in the REV helper cell line C3. Hu S, et al. **Virology** 1987 Aug;159(2):446-9

ULTRASTRUCTURE

Retrovirus-like particles in embryonic kidney tissue of the platyfish, Xiphophorus maculatus. Perlmutter A, et al. **J Exp Zool** 1987 Jul;243(1):125-35

Retrovirus like particles produced by human embryonal cells and cell lines derived from human malignancies. II. Protein structure. Prachař J, et al. **Neoplasma** 1987;34(2):129-38

[Isolation of lymphocyte cultures from leukemic cattle and electron microscopic study of the leukemia virus] Genov I, et al. **Vet Med Nauki** 1986;23(7):3-12 (Eng. Abstr.) **(Bul)**

RETROVIRIDAE PROTEINS

ANALYSIS

Biochemical and immunological characterization of structural proteins from retrovirus-D/New England and comparison to Mason-Pfizer monkey virus and permanent human fibroblast virus. Uckert W, et al. **Arch Virol** 1987; 94(3-4):267-82

Structure-function analysis of fos protein: a single amino acid change activates the immortalizing potential of v-fos. Jenuwein T, et al. **Cell** 1987 Feb 27;48(4):647-57

Cytoskeletal association of pp60src. The transforming protein of the Rous sarcoma virus. Henderson D, et al. **Exp Cell Res** 1987 Feb;168(2):411-21

A specific assay measuring binding of 125I-Gp 120 from HIV to T4+/CD4+ cells. Lundin K, et al. **J Immunol Methods** 1987 Feb 26;97(1):93-100

Virus p30-related protein in follicular fluids and C virus-like particles on the cell membrane of the human oocyte. Nilsson BO, et al. **J In Vitro Fert Embryo Transfer** 1986 Oct;3(5):296-303

Proteolytic processing of avian sarcoma and leukosis viruses pol-endo recombinant proteins reveals another pol gene domain. Alexander F, et al. **J Virol** 1987 Feb;61(2):534-42

Characterization of three monoclonal antibodies (VAK3-5) that identify p24, core protein of human immunodeficiency virus, and its precursors. Hattori T, et al. **Jpn J Cancer Res** 1987 Mar;78(3):235-41

Serum reactivity to human T-cell leukaemia/lymphoma virus type I proteins in patients with large granular lymphocytic leukaemia. Starkebaum G, et al. **Lancet** 1987 Mar 14; 1(8533):596-9

Features of the pp60v-src carboxyl terminus that are required for transformation. Yaciuk P, et al. **Mol Cell Biol** 1986 Aug;6(8):2807-19

Immunohistochemical detection of retroviral-P15E-related material in carcinomas of the head and neck. Tan IB, et al. **Otolaryngol Head Neck Surg** 1987 Mar;96(3):251-5

Gag-derived but not abl-derived determinants are exposed on the surface of Abelson virus-transformed cells. Schiff-Maker L, et al. **Virology** 1986 Oct 30;154(2):286-301

[Immunohistochemical study of oncogene-related products in human gastrointestinal malignancies--expression of ras p 21, fes p 85 and EGF receptor] Kitagami S, et al. **Gan No Rinsho** 1986 Dec;32(15):1950-8 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Amiloride inhibits the protein tyrosine kinases associated with the cellular and the transforming src-gene products. Presek P, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2821-6

Staurosporine inhibits tyrosine-specific protein kinase activity of Rous sarcoma virus transforming protein p60. Nakano H, et al. **J Antibiot (Tokyo)** 1987 May;40(5):706-8

Inhibition of the tyrosine kinase activity of v-src, v-fgr, and v-yes gene products by a monoclonal antibody which binds both amino and carboxy peptide fragments of pp60v-src. McCarley DJ, et al. **J Virol** 1987 Jun;61(6):1927-37

BIOSYNTHESIS

Expression of the human monocyte membrane antigen gp55 by murine fibroblasts after DNA-mediated gene transfer. Ashmun RA, et al. **Blood** 1987 Mar;69(3):886-92

Expression of pp60v-src alters the ionic permeability of the plasma membrane in rat cells. van der Valk J, et al. **J Biol Chem** 1987 Feb 25;262(6):2431-4

Regulation of pp60c-src synthesis by inducible RNA complementary to c-src mRNA in polyomavirus-transformed rat cells. Amini S, et al. **Mol Cell Biol** 1986 Jul;6(7):2305-16

DIAGNOSTIC USE

Comparison of recombinant human immunodeficiency virus gag precursor and gag/env fusion proteins and a synthetic env peptide as diagnostic reagents. Shoeman RL, et al. **Anal Biochem** 1987 Mar;161(2):370-9

GENETICS

Mechanism of the gene expression of HTLV-I and its association with ATL. Yoshida M, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S71-8

A strong homology exists between the active T-cell binding gp120 octapeptide of human immunodeficiency virus and the subtilisin cleavage peptide of bovine ribonuclease A. Pincus MR, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):248-51

Correlation of V-src gene amplification with the tumorigenic phenotype in a Syrian hamster embryo cell line. Gilmer TM, et al. **Cancer Res** 1987 Sep 1;47(17):4663-6

From c-src to v-src, or the case of the missing C terminus. Sefton BM, et al. **Cancer Surv** 1986;5(2):159-72

The fms gene and the CSF-1 receptor. Sherr CJ, et al. **Cancer Surv** 1986;5(2):221-32

Biochemical mechanisms of oncogene activity: proteins encoded by oncogenes. Introduction. Varmus H, et al. **Cancer Surv** 1986;5(2):153-8

The sis gene and PDGF. Williams LT. **Cancer Surv** 1986; 5(2):233-41

The functions and relationships of Ty-VLP proteins in yeast reflect those of mammalian retroviral proteins. Adams SE, et al. **Cell** 1987 Apr 10;49(1):111-9

Cell transformation by pp60c-src mutated in the carboxy-terminal regulatory domain. Cartwright CA, et al. **Cell** 1987 Apr 10;49(1):83-91

Translational frameshifting: where will it stop? Craigen WJ, et al. **Cell** 1987 Jul 3;50(1):1-2

HTLV-III expression and production involve complex regulation at the levels of splicing and translation of viral RNA. Feinberg MB, et al. **Cell** 1986 Sep 12;46(6):807-17

A tail of two src's: mutatis mutandis. Hunter T. **Cell** 1987 Apr 10;49(1):1-4

Activation and suppression of pp60c-src transforming ability by mutation of its primary sites of tyrosine phosphorylation. Kmiecik TE, et al. **Cell** 1987 Apr 10;49(1):65-73

Tyrosine phosphorylation regulates the biochemical and biological properties of pp60c-src. Piwnica-Worms H, et al. **Cell** 1987 Apr 10;49(1):75-82

Characterization and nuclear localization of the v- and c-myc proteins. Sullivan N, et al. **Curr Top Microbiol Immunol** 1986;132:355-61

A single point mutation in erbA restores the erythroid

transforming potential of a mutant avian erythroblastosis virus (AEV) defective in both erbA and erbB oncogenes. Damm K, et al. **EMBO J** 1987 Feb;6(2):375–82

Induction of interleukin 2 receptor gene expression by p40x encoded by human T-cell leukemia virus type I. Inoue J, et al. **EMBO J** 1986 Nov;5(11):2883–8

Enzymatic activation of Fujinami sarcoma virus gag–fps transforming proteins by autophosphorylation at tyrosine. Meckling-Hansen K, et al. **EMBO J** 1987 Mar;6(3):659–66

The 3' region of bovine leukemia virus genome encodes a trans-activator protein. Rosen CA, et al. **EMBO J** 1986 Oct;5(10):2585–9

Role of cell cytoskeleton in Mo-MuLV env transport and processing: implications in tsI neuropathology. Soong MM, et al. **Exp Mol Pathol** 1987 Jun;46(3):294–311

A sequence homology between the pX genes of HTLV-I/II and the murine IL-3 gene. Gojobori T, et al. **FEBS Lett** 1986 Nov 24;208(2):231–5

The second pX product p27 chi-III of HTLV-1 is required for gag gene expression. Inoue J, et al. **FEBS Lett** 1986 Dec 15;209(2):187–90

Expression of a truncated v-myb product in transformed chicken embryo fibroblasts. Kryceve-Martinerie C, et al. **FEBS Lett** 1987 Apr 6;214(1):81–6

Identification of p26Xb and p24Xb of human T-cell leukemia virus type II. Shima H, et al. **FEBS Lett** 1986 Dec 15; 209(2):289–94

Avian retrovirus nucleocapsid protein, pp12, produced in Escherichia coli has biochemical properties identical to unphosphorylated viral protein. Katz RA, et al. **Gene** 1986; 50(1-3):361–9

Human adult T-cell leukaemia virus (ATLV) genome codes for the protein pX27 structurally homologous to immunoglobulin-like part of HLA-DQ antigen. Zav'yalov VP, et al. **Immunol Lett** 1987 Jan;14(2):139–42

Cell surface expression of membrane-anchored v-sis gene products: glycosylation is not required for cell surface transport. Hannink M, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2311–22

myc family oncogene amplification in tumor cell lines established from small cell lung cancer patients and its relationship to clinical status and course. Johnson BE, et al. **J Clin Invest** 1987 Jun;79(6):1629–34

Characterization of transforming viruses rescued from a hamster tumour cell line harbouring the v-src gene flanked by long terminal repeats. Geryk J, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2395–404

Molecular cloning of the closed circular provirus of human T cell leukaemia virus type I: a new open reading frame in the gag–pol region. Hiramatsu K, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):213–8

Antigenic and structural variation of the p28 core polypeptide of goat and sheep retroviruses. McGuire TC, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2259–63

Downregulation of cell-to-cell communication by the viral src gene is blocked by TMB-8 and recovery of communication is blocked by vanadate. Rose B, et al. **J Membr Biol** 1986;94(2):129–42

Retention or loss of v-mil sequences after propagation of MH2 virus in vivo or in vitro. Biegalke B, et al. **J Virol** 1987 Jun;61(6):1949–56

Macrophage-resistant murine simian virus 40 tumors express a retroviral type-specific gp70. Chapes SK, et al. **J Virol** 1987 Mar;61(3):928–32

Analysis of p60v-src mutants carrying lesions involved in temperature sensitivity. Garber EA, et al. **J Virol** 1987 Feb; 61(2):354–60

Chemical and immunological characterizations of equine infectious anemia virus gag-encoded proteins. Henderson LE, et al. **J Virol** 1987 Apr;61(4):1116–24

Biochemical properties of p60v-src mutants that induce different cell transformation parameters. Jove R, et al. **J Virol** 1986 Dec;60(3):849–57

Genetic analysis of p60v-src domains involved in the induction of different cell transformation parameters. Jove R, et al. **J Virol** 1986 Dec;60(3):840–8

Cell transformation by a virus containing a molecularly constructed gag-erbB fused gene. Kawai S, et al. **J Virol** 1987 May;61(5):1665–9

Genetic lesions involved in temperature sensitivity of the src gene products of four Rous sarcoma virus mutants. Mayer BJ, et al. **J Virol** 1986 Dec;60(3):858–67

Complete nucleotide sequence of a milk-transmitted mouse mammary tumor virus: two frameshift suppression events are required for translation of gag and pol. Moore R, et al. **J Virol** 1987 Feb;61(2):480–90

Amphotropic proviral envelope sequences are absent from the Mus germ line. O'Neill RR, et al. **J Virol** 1987 Jul; 61(7):2225–31

Nucleotide sequence of human endogenous retrovirus genome related to the mouse mammary tumor virus genome. Ono M, et al. **J Virol** 1986 Nov;60(2):589–98

Creation of a chimeric oncogene: analysis of the biochemical and biological properties of v-erbB/src fusion polypeptide. Privalsky ML. **J Virol** 1987 Jun;61(6):1938–48

Structure of the feline c-fes/fps proto-oncogene: genesis of a retroviral oncogene. Roebroek AJ, et al. **J Virol** 1987 Jun;61(6):2009–16

Noncoding region between the env and src genes of Rous sarcoma virus influences splicing efficiency at the src gene 3' splice site. Stoltzfus CM, et al. **J Virol** 1987 Jan; 61(1):177–84

cis-acting regulatory elements within gag genes of avian retroviruses. Arrigo S, et al. **Mol Cell Biol** 1987 Jan; 7(1):388–97

Modification of fos proteins: phosphorylation of c-fos, but not v-fos, is stimulated by 12-tetradecanoyl-phorbol-13-acetate and serum. Barber JR, et al. **Mol Cell Biol** 1987 Jun;7(6):2201–11

Replication-defective chimeric helper proviruses and factors affecting generation of competent virus: expression of Moloney murine leukemia virus structural genes via the metallothionein promoter. Besselman RA, et al. **Mol Cell Biol** 1987 May;7(5):1797–806

Expression of Rous sarcoma virus transforming protein pp60v-src in Saccharomyces cerevisiae cells. Brugge JS, et al. **Mol Cell Biol** 1987 Jun;7(6):2180–7

Primary sequence and developmental expression of a novel Drosophila melanogaster src gene. Gregory RJ, et al. **Mol Cell Biol** 1987 Jun;7(6):2119–27

Glucocorticoid-regulated compartmentalization of cell surface-associated glycoproteins in rat hepatoma cells: evidence for an independent response that requires receptor function and de novo RNA synthesis. Haffar OK, et al. **Mol Cell Biol** 1987 Apr;7(4):1508–17

Activation of the cellular src gene by transducing retrovirus. Ikawa S, et al. **Mol Cell Biol** 1986 Jul;6(7):2420–8

Differential response to retinoic acid of Syrian hamster embryo fibroblasts expressing v-src or v-Ha-ras oncogenes. Jetten AM, et al. **Mol Cell Biol** 1986 Oct; 6(10):3341–8

Neither arginine nor histidine can carry out the function of lysine-295 in the ATP-binding site of p60src. Kamps MP, et al. **Mol Cell Biol** 1986 Mar;6(3):751–7

Isolation and oncogenic potential of a novel human src-like gene. Kawakami T, et al. **Mol Cell Biol** 1986 Dec; 6(12):4195–201

Subnuclear localization of proteins encoded by the oncogene v-myb and its cellular homolog c-myb. Klempnauer KH, et al. **Mol Cell Biol** 1986 Jan;6(1):62–9

A noncatalytic domain conserved among cytoplasmic protein-tyrosine kinases modifies the kinase function and transforming activity of Fujinami sarcoma virus P130gag-fps. Sadowski I, et al. **Mol Cell Biol** 1986 Dec; 6(12):4396–408

Comparison of the trans-activation capabilities of the human T-cell leukemia virus type I and II chi proteins. Shah NP, et al. **Mol Cell Biol** 1986 Nov;6(11):3626–31

gp140v-fms molecules expressed at the surface of cells transformed by the McDonough strain of feline sarcoma virus are phosphorylated in tyrosine and serine. Tamura T, et al. **Mol Cell Biol** 1986 Dec;6(12):4745–8

Perturbed hemopoiesis and the generation of multipotential stem cell clones in src-infected bone marrow cultures is an indirect or transient effect of the oncogene. Wyke JA, et al. **Mol Cell Biol** 1986 Mar;6(3):959–63

The yes-related cellular gene lyn encodes a possible tyrosine kinase similar to p56lck. Yamanashi Y, et al. **Mol Cell Biol** 1987 Jan;7(1):237–43

Sequence of simian immunodeficiency virus from macaque and its relationship to other human and simian retroviruses. Chakrabarti L, et al. **Nature** 1987 Aug 6–12;328(6130):543–7

Sequence of simian immunodeficiency virus and its relationship to the human immunodeficiency viruses. Franchini G, et al. **Nature** 1987 Aug 6–12;328(6130):539–43

Insertion elements and transitions in cloned mouse mammary tumour virus DNA: further delineation of the poison sequences. Brookes S, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8231–45

Nearly identical members of the heterogeneous IAP gene family are expressed in thymus of different mouse strains. Grossman Z, et al. **Nucleic Acids Res** 1987 May 11; 15(9):3823–34

NH2-terminal sequences of two src proteins that cause aberrant transformation. Garber EA, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):80–4

Expression of the complete human T-cell leukemia virus type I pX coding sequence as a functional protein in Escherichia coli. Giam CZ, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7192–6

Two efficient ribosomal frameshifting events are required for synthesis of mouse mammary tumor virus gag-related polyproteins. Jacks T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4298–302

Molecular cloning of the akt oncogene and its human homologues AKT1 and AKT2: amplification of AKT1 in a primary human gastric adenocarcinoma. Staal SP. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5034–7

Ultrastructural localization of a platelet-derived growth factor/v-sis-related protein(s) in cytoplasm and nucleus of simian sarcoma virus-transformed cells. Yeh HJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2317–21

U3 sequences from HTLV-I and -II LTRs confer pX protein response to a murine leukemia virus LTR. Kitado H, et al. **Science** 1987 Feb 20;235(4791):901–4

Isolation of a murine retrovirus with a temperature-sensitive src gene. Anderson SM, et al. **Virology** 1987 Sep; 160(1):263–7

[Drosophila mobile element jockey is a retroposon and encodes the GAG-specific protein sequence characteristic for retroviruses] Mizrokhi LIu, et al. **Dokl Akad Nauk SSSR** 1987;294(5):1235–9 **(Rus)**

[Nonstructural glycosylated polyproteins coded for by the gag gene of retrovirus type D expressed on the plasma membrane] Morozov VA, et al. **Vopr Virusol** 1986 Jul-Aug; 31(4):480–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Anti-HIV seroconversion: initial appearance of antibodies to core proteins and rapid raise in antibody levels. Case report. Tørnqvist E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Apr; 95(2):121–2

Analysis of circulating immune complexes from patients with ankylosing spondylitis by gel electrophoresis and immunoblotting using antiserum against a psoriasis associated retrovirus-like particle. Rødahl E, et al. **Ann Rheum Dis** 1986 Nov;45(11):892–8

Immunogenic nature of a Pol gene product of HTLV-III/LAV. Allan JS, et al. **Blood** 1987 Jan; 69(1):331–3

Subregions of a conserved part of the HIV gp41 transmembrane protein are differentially recognized by antibodies of infected individuals. Certa U, et al. **EMBO J** 1986 Nov;5(11):3051–6

Human immunodeficiency virus gp120 glycoprotein detected by a monoclonal antibody to a synthetic peptide. Chanh TC, et al. **Eur J Immunol** 1986 Nov;16(11):1465–8

Prediction of antigenic determinants and secondary structures of the major AIDS virus proteins. Sternberg MJ, et al. **FEBS Lett** 1987 Jun 29;218(2):231–7

LAV/HTLV-III gag gene product p24 shares antigenic determinants with equine infectious anemia virus but not with visna virus or caprine arthritis encephalitis virus. Goudsmit J, et al. **Intervirology** 1986;26(3):169–73

Unique p24 epitope marker to identify multiple human immunodeficiency virus variants in blood from the same individuals. Bolton V, et al. **J Clin Microbiol** 1987 Aug; 25(8):1411–5

Characterization of monoclonal antibodies against the human immunodeficiency virus (HIV) gag products and their use in monitoring HIV isolate variation. Ferns RB, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1543–51

Shedding and interspecies type sero-reactivity of the envelope glycopolypeptide gp120 of the human immunodeficiency virus. Schneider J, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2533–8

Proteins antigenically related to peptides encoded by the mouse mammary tumour virus long terminal repeat sequence are associated with intracytoplasmic A particles. Smith GH, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):473–86

Expression of HTLV-I in serum of HTLV-I-related subjects and the early detection of overt ATL in HTLV-I carriers. Ishibashi K, et al. **J Immunol** 1987 Sep 1;139(5):1509–13

Sera from patients with multiple sclerosis react with human cell T lymphotropic virus-I gag proteins but not env proteins--Western blotting analysis. Ohta M, et al. **J Immunol** 1986 Dec 1;137(11):3440–3

Characteristics of the specific cell-mediated immune response in human immunodeficiency virus infection. Wahren B, et al. **J Virol** 1987 Jun;61(6):2017–23

Demonstration of antibodies to the surface (anti-p41) and core proteins (anti-p24) of the human immunodeficiency virus (HIV) in individuals positive for anti-HIV. Hess G, et al. **Klin Wochenschr** 1987 Jul 1;65(13):596–9

Interpretation of isolated HIV anti-p24 reactivity in Western blot analysis [letter] Lelie PN, et al. **Lancet** 1987 Mar 14; 1(8533):632

HIV envelope-CD4 interaction not inhibited by synthetic octapeptides [letter] Sodroski J, et al. **Lancet** 1987 Jun 20; 1(8547):1428–9

Human immunodeficiency virus infection in two cohorts of homosexual men: neutralising sera and association of anti-gag antibody with prognosis. Weber JN, et al. **Lancet** 1987 Jan 17;1(8525):119–22

Detection of cross-reactive antibody to BLV p24 in sera of human patients infected with HTLV. Onuma M, et al. **Microbiol Immunol** 1987;31(2):131–7

AIDS vaccine predictions [letter] Coates AR, et al. **Nature** 1987 Apr 9–15;326(6113):549–50

Specific cellular immune response and neutralizing antibodies in goats immunized with native or recombinant envelope proteins derived from human T-lymphotropic virus type IIIB and in human immunodeficiency virus-infected men. Krohn K, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4994–8

Human T-cell lymphotropic virus IIIB glycoprotein (gp120) bound to CD4 determinants on normal lymphocytes and expressed by infected cells serves as target for immune attack. Lyerly HK, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4601–5

Clonal selection of human immunodeficiency virus (HIV): serological differences in the envelope antigens of the cloned viruses and HIV prototypes (HTLV-III B, LAV, and ARV). Harada S, et al. **Virology** 1987 Jun; 158(2):447–51

Monoclonal antibodies to the v-fes product and to feline leukemia: virus P27 interspecies-specific determinants encoded by feline sarcoma viruses. Ishida T, et al. **Virology** 1986 Dec;155(2):678–87

ISOLATION & PURIFICATION

Differences in the pI heterogeneity of virion and intracellular Moloney murine leukaemia virus p30s. Ikuta K, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):487–98

METABOLISM

A p60v-src-related tyrosine kinase in the acetylcholine receptor-rich membranes of Narke japonica: association and dissociation of phosphatidylinositol kinase activity. Fukami Y, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):473-9

Effect of phorbol ester on growth of tumors induced by Rous sarcoma virus and on pp60src kinase activity in these tumors. Poulin L, et al. **Cancer Res** 1987 Jul 15; 47(14):3637-42

Delineation of a region of the human immunodeficiency virus type 1 gp120 glycoprotein critical for interaction with the CD4 receptor. Lasky LA, et al. **Cell** 1987 Sep 11; 50(6):975-85

RNase H activity associated with bacterially expressed reverse transcriptase of human T-cell lymphotropic virus III/lymphadenopathy-associated virus. Hansen J, et al. **J Biol Chem** 1987 Sep 15;262(26):12393-6

Analysis of pp60c-src protein kinase activity in human tumor cell lines and tissues. Rosen N, et al. **J Biol Chem** 1986 Oct 15;261(29):13754-9

A tyrosine kinase related to pp60c-src is associated with membranes of Electrophorus electricus electric organ. Shores CG, et al. **J Biol Chem** 1987 Jul 15;262(20):9477-85

Cleavage fragments of the retrovirus surface protein gp70 during virus entry. Andersen KB. **J Gen Virol** 1987 Aug; 68 (Pt 8):2193-202

Glutamine starvation of murine leukaemia virus-infected cells inhibits the readthrough of the gag-pol genes and proteolytic processing of the gag polyprotein. Gloger I, et al. **J Gen Virol** 1986 Oct;67 (Pt 10):2207-13

The membrane-binding domain and myristylation of p60v-src are not essential for stimulation of cell proliferation. Calothy G, et al. **J Virol** 1987 May; 61(5):1678-81

Avian sarcoma and leukosis virus pol-endonuclease recognition of the tandem long terminal repeat junction: minimum site required for cleavage is also required for viral growth. Cobrinik D, et al. **J Virol** 1987 Jun; 61(6):1999-2008

Forms of pp60v-src isolated from Rous sarcoma virus-transformed cells. Collett MS, et al. **J Virol** 1987 May;61(5):1593-601

pp60c-src has less affinity for the detergent-insoluble cellular matrix than do pp60v-src and other viral protein-tyrosine kinases. Loeb DM, et al. **J Virol** 1987 Aug;61(8):2420-7

Rous sarcoma virus nucleic acid-binding protein p12 is necessary for viral 70S RNA dimer formation and packaging. Méric C, et al. **J Virol** 1986 Nov;60(2):450-9

Interferon-gamma inhibits cell replication, but not pp60src activity of RSV-transformed fibroblasts. Gribaudo G, et al. **Microbiologica** 1987 Jan;10(1):47-53

Phenotypic change from transformed to normal induced by benzoquinonoid ansamycins accompanies inactivation of p60src in rat kidney cells infected with Rous sarcoma virus. Uehara Y, et al. **Mol Cell Biol** 1986 Jun;6(6):2198-206

Nonmitogenic morphoregulatory action of pp60v-src on multicellular epithelial structures. Warren SL, et al. **Mol Cell Biol** 1987 Apr;7(4):1326-37

A protein kinase antigenically related to pp60v-src possibly involved in yeast cell cycle control: positive in vivo regulation by sterol. Dahl C, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4012-6

Association of p60src with Triton X-100-resistant cellular structure correlates with morphological transformation. Hamaguchi M, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2312-6

Characterization of avian and viral p60src proteins expressed in yeast. Kornbluth S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4455-9

Reduced tyrosine kinase specific activity is associated with hypophosphorylation of pp60c-src in cells infected with avian erythroblastosis virus. McCarley DJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5793-7

Interaction between the human T-cell lymphotropic virus type IIIB envelope glycoprotein gp120 and the surface antigen CD4: role of carbohydrate in binding and cell fusion. Matthews TJ, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5424-8

The biochemical functions of pp60v-src. Graziani Y. **Rev Clin Basic Pharm** 1985;5 Suppl:63S-69S (39 ref.)

Induction of altered c-src product during neural differentiation of embryonal carcinoma cells. Lynch SA, et al. **Science** 1986 Nov 14;234(4778):873-6

Expression and characterization of the trans-activator of HTLV-III/LAV virus. Wright CM, et al. **Science** 1986 Nov 21;234(4779):988-92

Avian sarcoma virus gag-fps and gag-yes transforming proteins are not myristylated or palmitylated. Beemon K, et al. **Virology** 1986 Dec;155(2):716-20

Cytoplasmic localization of the HTLV-III 3' orf protein in cultured T cells. Franchini G, et al. **Virology** 1986 Dec; 155(2):593-9

Characterization of a virus-specific proteolytic activity processing the gag precursor of the simian sarcoma-associated virus. Kräusslich HG, et al. **Virology** 1987 Feb;156(2):246-52

Biosynthesis and chemical and immunological characterization of avian reticuloendotheliosis virus env gene-encoded proteins. Tsai WP, et al. **Virology** 1986 Dec; 155(2):567-83

PHARMACODYNAMICS

Inhibition of human natural killer cell activity by a synthetic peptide homologous to a conserved region in the retroviral protein, p15E. Harris DT, et al. **J Immunol** 1987 Feb 1; 138(3):889-94

HTLV-III large envelope protein (gp120) suppresses PHA-induced lymphocyte blastogenesis. Mann DL, et al. **J Immunol** 1987 Apr 15;138(8):2640-4

PHYSIOLOGY

Oncogene-mediated multistep transformation of C3H10T1/2 cells. Taparowsky EJ, et al. **Cancer Res** 1987 Aug 1; 47(15):4125-9

Down-modulation of EGF receptors in cells transformed by the src oncogene. Wasilenko WJ, et al. **J Cell Physiol** 1987 Jun;131(3):450-7

Suppression of in vitro neutrophil function by feline leukaemia virus (FeLV) and purified FeLV-p15E. Lafrado LJ, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):507-13

Evidence that the packaging signal of Moloney murine leukemia virus extends into the gag region. Bender MA, et al. **J Virol** 1987 May;61(5):1639-46

Identification of p40x-responsive regulatory sequences within the human T-cell leukemia virus type I long terminal repeat. Brady J, et al. **J Virol** 1987 Jul; 61(7):2175-81

Trans-activation of human immunodeficiency virus gene expression is mediated by nuclear events. Hauber J, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6364-8

Myristylation site in Pr65gag is essential for virus particle formation by Moloney murine leukemia virus. Rein A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7246-50

THERAPEUTIC USE

Peptide T in treatment of AIDS [letter] Wetterberg L, et al. **Lancet** 1987 Jan 17;1(8525):159

RETROVIRUS INFECTIONS

Retrovirus-associated myelopathies. Román GC. **Arch Neurol** 1987 Jun;44(6):659-63

Immunodeficiency in rhesus monkeys associated with the original Mason-Pfizer monkey virus. Bryant ML, et al. **JNCI** 1986 Oct;77(4):957-65

Animal models for acquired immunodeficiency syndrome. Desrosiers RC, et al. **Rev Infect Dis** 1987 May-Jun; 9(3):438-46 (54 ref.)

[Retroviruses, human tumors and autoimmune diseases] Schüpbach J. **Schweiz Med Wochenschr** 1986 Aug 23; 116(34):1126-33 (39 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Lentiviruses/HTLV-III. Griffin DE. **Proc Annu Meet Med Sect Am Counc Life Insur** 1986;:5-11

COMPLICATIONS

Human retroviruses and paediatric disease. Thomson BJ, et al. **Arch Dis Child** 1987 Jun;62(6):631-4 (32 ref.)

Role of antecedent mumps and reovirus infections on the development of type 1 (insulin-dependent) diabetes. Toniolo A, et al. **Eur J Epidemiol** 1985 Sep;1(3):172-9

The interaction of retrovirus and chemical carcinogen in experimental colon carcinogenesis. Nelson RL, et al. **Surgery** 1987 Feb;101(2):172-5

[Retrovirus, oncogenes and malignant transformation] Fernández-Cruz E. **Rev Clin Esp** 1986 Nov;179(8):389-91 **(Spa)**

DIAGNOSIS

Myelopathies and retroviral infections [editorial] Johnson RT, et al. **Ann Neurol** 1987 Feb;21(2):113-6

IMMUNOLOGY

IgG antibodies to HTLV-III associated antigens in patients with AIDS and at risk for AIDS in The Netherlands. Goudsmit J, et al. **AIDS Res** 1983-84;1(4):231-6

Functional T lymphocytes are required for a murine retrovirus-induced immunodeficiency disease (MAIDS). Mosier DE, et al. **J Exp Med** 1987 Jun 1;165(6):1737-42

Simian immunodeficiency virus induces expression of class II major histocompatibility complex structures on infected target cells in vitro. Kannagi M, et al. **J Virol** 1987 May; 61(5):1421-6

MICROBIOLOGY

Tissue-specific replication of Friend and Moloney murine leukemia viruses in infected mice. Evans LH, et al. **J Virol** 1987 May;61(5):1350-7

Ultrastructural changes associated with retroviral replication in central nervous system capillary endothelial cells. Pitts OM, et al. **Lab Invest** 1987 Apr;56(4):401-9

[Retroviruses and psoriasis vulgaris] Krüger A. **Z Hautkr** 1986 Nov 15;61(22):1585-8 **(Ger)**

PATHOLOGY

An erythematous maculopapular eruption in macaques infected with an HTLV-III-like virus (STLV-III). Ringler DJ, et al. **J Invest Dermatol** 1986 Nov;87(5):674-7

PHYSIOPATHOLOGY

Altered cellular functions in a PC-12 cell clone chronically infected with retrovirus. Bilello JA, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):706-14

Animal models for retrovirus-induced immunodeficiency disease. Mosier DE. **Immunol Invest** 1986 May;15(3):233-61 (95 ref.)

TRANSMISSION

Horizontal transmission of murine retroviruses. Portis JL, et al. **J Virol** 1987 Apr;61(4):1037-44

Kawasaki disease: a novel feline virus transmitted by fleas? Moynahan EJ. **Lancet** 1987 Jan 24;1(8526):195

Spastic paraparesis: a possible sexually transmitted viral myeloneuropathy [letter] Zaninović V. **Lancet** 1986 Sep 20;2(8508):697-8

The zoonotic potential of feline leukemia virus. Loar AS. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):105-15 (63 ref.)

VETERINARY

Ovine lentivirus lymphoid interstitial pneumonia. Rapid induction in neonatal lambs. Lairmore MD, et al. **Am J Pathol** 1986 Oct;125(1):173-81

Immunophenotypic characterization of the cutaneous exanthem of SIV-infected rhesus monkeys. Apposition of degenerative Langerhans cells and cytotoxic lymphocytes during the development of acquired immunodeficiency syndrome. Ringler DJ, et al. **Am J Pathol** 1987 Feb; 126(2):199-207

The effect of colostrum-derived antibody on neo-natal transmission of caprine arthritis-encephalitis virus infection. Ellis TM, et al. **Aust Vet J** 1986 Aug;63(8):242-5

Caprine retrovirus infection in New South Wales: virus isolations, clinical and histopathological findings and prevalence of antibody. Grewal AS, et al. **Aust Vet J** 1986 Aug;63(8):245-8

Comparison of two gel diffusion precipitin tests in the serodiagnosis of caprine arthritis encephalitis virus infection in goats. Grewal AS. **Aust Vet J** 1986 Oct;63(10):341-2

Caprine arthritis-encephalitis virus infection: from recognition to eradication. Robinson WF, et al. **Aust Vet J** 1986 Aug;63(8):237-41 (64 ref.)

Macaque monkey type D retrovirus replicates in vitro in a distinct subpopulation of B lymphocytes. Yetz JM, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):573-6

Induction of simian acquired immune deficiency syndrome (SAIDS) with a molecular clone of a type D SAIDS retrovirus. Heidecker G, et al. **J Virol** 1987 Oct; 61(10):3066-71

Prevention of simian acquired immune deficiency syndrome with a formalin-inactivated type D retrovirus vaccine. Marx PA, et al. **J Virol** 1986 Nov;60(2):431-5

Amphotropic proviral envelope sequences are absent from the Mus germ line. O'Neill RR, et al. **J Virol** 1987 Jul; 61(7):2225-31

Isolation of a retrovirus from the American bison and its relation to bovine retroviruses. Amborski GF, et al. **J Wildl Dis** 1987 Jan;23(1):7-11

Lymphocytes and antibody in retrovirus-induced feline pure red cell aplasia. Abkowitz JL, et al. **JNCI** 1987 Jan; 78(1):135-9

Morphological changes of an inflammatory myopathy in rhesus monkeys with simian acquired immunodeficiency syndrome. Dalakas MC, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):368-76

Oncogenic viruses of domestic animals. Olsen RG, et al. **Vet Clin North Am [Small Anim Pract]** 1986 Nov; 16(6):1129-44 (113 ref.)

Caprine arthritis-encephalitis in the Basque country, Spain. Gonzalez L, et al. **Vet Rec** 1987 Jan 31;120(5):102-9

Caprine arthritis-encephalitis in France [letter] Monicat F. **Vet Rec** 1987 May 15;120(20):487

[Review: Acquired immunodeficiency syndrome of man (AIDS) and of primates (SAIDS)] Trautwein G. **DTW** 1987 Feb 9;94(2):77-9 (61 ref.) (Eng. Abstr.) **(Ger)**

RETROVIRUS PROTEINS see **RETROVIRIDAE PROTEINS**

REVERSAL LEARNING

DRUG EFFECTS

Simultaneous brightness discrimination and reversal: the effects of amphetamine administration in the two stages. Weiner I, et al. **Pharmacol Biochem Behav** 1986 Nov; 25(5):939-42

Scopolamine disrupts visual reversal without affecting the first discrimination. Soffie M, et al. **Physiol Behav** 1987; 40(2):263-5

PHYSIOLOGY

Hippocampal lesions disrupt classical conditioning of cross-modality reversal learning of the rabbit nictitating membrane response. Weikart CL, et al. **Behav Brain Res** 1986 Oct;22(1):85-9

Lesions of the retrosplenial cortex produce deficits in reversal learning of the rabbit nictitating membrane response: implications for potential interactions between hippocampal and cerebellar brain systems. Berger TW, et al.

Behav Neurosci 1986 Dec;100(6):802–9
Tactile–visual acquisition and reversal learning deficits in rats with prefrontal cortical lesions. Doar B, et al. **Exp Brain Res** 1987;66(2):432–4

REVERSE TRANSCRIPTASE

Structural characterization of reverse transcriptase and endonuclease polypeptides of the acquired immunodeficiency syndrome retrovirus. Lightfoote MM, et al. **J Virol** 1986 Nov;60(2):771–5
[Possible functional role of the DD-domain of RNA-dependent polymerases] Zavriev SK, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):229–41 (Eng. Abstr.) **(Rus)**

ANALYSIS

Polyamines antagonize both the antileukemic activity and the reverse transcriptase stimulatory activity of 4,4'-dioctyldiphenylurea bis(guanylhydrazone) (DDUG). Marcus SL, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):422–7
Micromethod for assaying reverse transcriptase of human T-cell lymphotropic virus type III/lymphadenopathy-associated virus. Spira TJ, et al. **J Clin Microbiol** 1987 Jan;25(1):97–9
Computer analysis of retroviral pol genes: assignment of enzymatic functions to specific sequences and homologies with nonviral enzymes. Johnson MS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7648–52

ANTAGONISTS & INHIBITORS

Different patterns of inhibition of avian myeloblastosis virus reverse transcriptase activity by 3'-azido-3'-deoxythymidine 5'-triphosphate and its threo isomer. Eriksson B, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):600–4
Suramin in the treatment of AIDS: mechanism of action [published erratum appears in Antiviral Res 1987 Mar;7(3):185] De Clercq E. **Antiviral Res** 1987 Jan; 7(1):1–10 (24 ref.)
Inhibition of the reverse transcriptase from HIV by 3'-azido-3'-deoxythymidine triphosphate and its threo analogue. Vrang L, et al. **Antiviral Res** 1987 Mar; 7(3):139–49
Conformational properties of 3'-azido-3'deoxy-thymidine (AZT), an inhibitor of HIV reverse transcriptase. Herzyk P, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1356–61
Inhibition of viral reverse transcriptase by 2',5'-oligoadenylates. Liu DK, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):291–7
Inhibition of reverse transcriptase activity by 2',3'-dideoxythymidine 5'-triphosphate and its derivatives modified on the 3' position. Ono K, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):498–507
3'-Hydroxymethyl 2'-deoxynucleoside 5'-triphosphates are inhibitors highly specific for reverse transcriptase. Kutateladze TV, et al. **FEBS Lett** 1986 Oct 27; 207(2):205–12
Role of single-electron reduction potential in inhibition of reverse transcriptase by streptonigrin and sakyomicin A. Inouye Y, et al. **J Antibiot (Tokyo)** 1987 May;40(5):702–5
The quinoline quinone as the minimum entity for reverse transcriptase inhibitory activity of streptonigrin. Inouye Y, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):105–7
Screening for inhibitors of avian myeloblastosis virus reverse transcriptase and effect on the replication of AIDS-virus. Inouye Y, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):100–4
Kinetic analysis of inhibition of reverse transcriptase by streptonigrin. Okada H, et al. **J Antibiot (Tokyo)** 1987 Feb; 40(2):230–2
Comparative study on biological activities of heterocyclic quinones and streptonigrin. Take Y, et al. **J Antibiot (Tokyo)** 1987 May;40(5):679–84
Antiretroviral activity in a marine red alga: reverse transcriptase inhibition by an aqueous extract of Schizymenia pacifica. Nakashima H, et al. **J Cancer Res Clin Oncol** 1987;113(5):413–6
Inhibition of human immunodeficiency virus type I reverse transcriptase by suramin-related compounds. Jentsch KD, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2183–92
Effect of benzo[c]phenanthridine alkaloids on reverse transcriptase and their binding property to nucleic acids. Kakiuchi N, et al. **Planta Med** 1987 Feb;53(1):22–7
Phosphorylation of 3'-azido-3'-deoxythymidine and selective interaction of the 5'-triphosphate with human immunodeficiency virus reverse transcriptase. Furman PA, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8333–7

BIOSYNTHESIS

Intracellular localization of the viral polymerase proteins in cells infected with influenza virus and cells expressing PB1 protein from cloned cDNA. Akkina RK, et al. **J Virol** 1987 Jul;61(7):2217–24

BLOOD

Reverse transcriptase activity (RTA) in lymphocyte cultures of AIDS patients treated with HPA-23. Buimovici-Klein E, et al. **AIDS Res** 1986 Fall;2(4):279–83
Polymerase activity in lymphocyte culture supernatants from patients with Kawasaki disease. Burns JC, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):814–6

GENETICS

The LINE-1 family of primates may encode a reverse transcriptase-like protein. Sakaki Y, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:465–9
Expression of biologically active human T-cell lymphotropic virus type III reverse transcriptase in Bacillus subtilis. Le Grice SF, et al. **Gene** 1987;55(1):95–103
Proteolytic processing of avian sarcoma and leukosis viruses pol-endo recombinant proteins reveals another pol gene domain. Alexander F, et al. **J Virol** 1987 Feb;61(2):534–42
The avian influenza virus nucleoprotein gene and a specific constellation of avian and human virus polymerase genes each specify attenuation of avian-human influenza A/Pintail/79 reassortant viruses for monkeys. Snyder MH, et al. **J Virol** 1987 Sep;61(9):2857–63
The site-specific ribosomal insertion element type II of Bombyx mori (R2Bm) contains the coding sequence for a reverse transcriptase-like enzyme. Burke WD, et al. **Mol Cell Biol** 1987 Jun;7(6):2221–30
Site-specific mutagenesis of AIDS virus reverse transcriptase. Larder BA, et al. **Nature** 1987 Jun 25–Jul 1;327(6124):716–7
Expression and processing of the AIDS virus reverse transcriptase in Escherichia coli. Farmerie WG, et al. **Science** 1987 Apr 17;236(4799):305–8
[Homology search and molecular evolution: detection of genes encoding reverse transcriptase from several viruses and transposons] Miyata T, et al. **Tanpakushitsu Kakusan Koso** 1986 Jun;(29 Suppl):44–53 (29 ref.) **(Jpn)**
[Primary structure of the beta-subunit of Na+,K+-ATPase from the swine kidney. II. Reverse transcription, cloning of mRNA, complete nucleotide sequence corresponding to the structural region of the gene] Broude NE, et al. **Bioorg Khim** 1987 Jan;13(1):14–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Monoclonal antibodies against RNA-dependent DNA polymerase from myeloblastosis-associated viruses. Beresten S, et al. **Folia Biol (Praha)** 1987;33(2):87–92
Immunogenicity of human immunodeficiency virus (HIV) reverse transcriptase: detection of high levels of antibodies to HIV reverse transcriptase in sera of homosexual men. Chatterjee R, et al. **J Clin Immunol** 1987 May;7(3):218–24
Characterization and clinical association of antibody inhibitory to HIV reverse transcriptase activity. Laurence J, et al. **Science** 1987 Mar 20;235(4795):1501–4

ISOLATION & PURIFICATION

Functional purification and enzymic characterization of the RNA-dependent DNA polymerase of human immunodeficiency virus. Wondrak EM, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2791–7

METABOLISM

Nucleoside 5'-triphosphates modified at sugar residues as substrates for calf thymus terminal deoxynucleotidyl transferase and for AMV reverse transcriptase. Beabealashvilli RS, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):136–44
Characterization of the purified RNA dependent DNA polymerase isolated from Drosophila. Becker JL, et al. **Cell Mol Biol** 1987;33(2):225–35
RNA-dependent DNA polymerase activity in Paramecium tetraurelia: what for? Katinka MD. **Eur J Biochem** 1987 Mar 16;163(3):569–75
Human immunodeficiency virus reverse transcriptase. General properties and its interactions with nucleoside triphosphate analogs. Cheng YC, et al. **J Biol Chem** 1987 Feb 15;262(5):2187–9
RNase H activity associated with bacterially expressed reverse transcriptase of human T-cell lymphotropic virus III/lymphadenopathy-associated virus. Hansen J, et al. **J Biol Chem** 1987 Sep 15;262(26):12393–6
Misincorporation by AMV reverse transcriptase shows strong dependence on the combination of template and substrate nucleotides. Skinner JA, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6945–64
Template-primer analogs as substrates for DNA polymerase. Webb TR, et al. **Nucleic Acids Res** 1987 May 26; 15(10):3997–4006

REVERSE TRIIODOTHYRONINE see **TRIIODOTHYRONINE, REVERSE**

REWARD

The effect of pulse duration of refractory periods of neurons mediating brain-stimulation reward. Bielajew C, et al. **Behav Brain Res** 1987 Jun;24(3):233–41
Neural basis of psychomotor stimulant and opiate reward: evidence suggesting the involvement of a common dopaminergic system. Bozarth MA. **Behav Brain Res** 1986 Nov;22(2):107–16
An examination of parkinsonian versus anhedonia contributions to self-stimulation impairments induced by dopamine dysfunction. Carey RJ. **Behav Brain Res** 1986 Nov;22(2):117–25
Mechanisms underlying the plasticity of hippocampal stimulation-induced reward. Campbell KA, et al. **Behav Neurosci** 1985 Apr;99(2):209–19
Does the perception of reward magnitude of self-administered electrical brain stimulation have a circadian rhythm? Yanovski JA, et al. **Behav Neurosci** 1986 Dec;100(6):888–93
Drinking-induced alterations in reward pathways: an in vivo autoradiographic analysis. Blake MJ, et al. **Brain Res** 1987 Jun 9;413(1):111–9
Neuroanatomical boundaries of the reward-relevant opiate-receptor field in the ventral tegmental area as mapped by the conditioned place preference method in rats. Bozarth MA. **Brain Res** 1987 Jun 23;414(1):77–84
Second messengers, natural rewards, and drugs of abuse. Stein L, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:205–7
The dopamine hypothesis of opiate reward challenged. Van Ree JM, et al. **Eur J Pharmacol** 1987 Feb 10;134(2):239–43
Merit Gram: a form of recognition in a long-term care setting. Reingold J, et al. **Gerontologist** 1987 Apr; 27(2):147–9
The short-term effects of competition and rewards in an adolescent smoking prevention program. Burke JA, et al. **Health Educ Q** 1987 Summer;14(2):141–52
The role of endogenous opioid peptides in physiological and pharmacological reward responses—a survey of present-day knowledge. Bergmann F. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):8–11
Attention deficit disorder with hyperactivity: a specific hypothesis of reward dysfunction. Haenlein M, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):356–62
Successive, simultaneous, and anticipatory contrast in the consumption of saccharin solutions. Flaherty CF, et al. **J Exp Psychol [Anim Behav]** 1986 Oct;12(4):381–93
Functional involvement of catecholamines in reward-related neuronal activity of the monkey amygdala. Nakano Y, et al. **J Neurophysiol** 1987 Jan;57(1):72–91
Naloxone attenuation of the effect of cocaine on rewarding brain stimulation. Bain GT, et al. **Life Sci** 1987 Mar 16; 40(11):1119–25
Drug combinations in pleasure and pain. Kornetsky C. **Natl Inst Drug Abuse Res Monogr Ser** 1986;68:181–92
Companies use rewards, incentives to promote health and safety. Chenoweth D. **Occup Health Saf** 1987 Apr; 56(4):74–7
Encopresis, enemas, and gold stars [letter] Fleisher DR. **Pediatrics** 1978 Jan;61(1):155–6
Haloperidol induces a partial reinforcement extinction effect in rats: implications for a dopamine involvement in food reward. Ettenberg A, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):813–21
Inefficient licking during forced spout alternation in rats: violation of the law of effect? Mamedov Z, et al. **Physiol Behav** 1987;39(2):153–60
Behavioral differences between male and female Wistar rats in food rewarded lever holding. van Hest A, et al. **Physiol Behav** 1987;39(2):263–7
Rewarding properties of beta-endorphin as measured by conditioned place preference. Amalric M, et al. **Psychopharmacology (Berlin)** 1987;91(1):14–9
6-Hydroxydopamine lesions of the nucleus accumbens, but not of the caudate nucleus, attenuate enhanced responding with reward-related stimuli produced by intra-accumbens d-amphetamine. Taylor JR, et al. **Psychopharmacology (Berlin)** 1986;90(3):390–7
[Effect of stimulation of positive emotionogenic zones on the electric activity of the Gasserian ganglion in the ontogenesis of the dog] Mikhallenko VA, et al. **Fiziol Zh SSSR** 1986 Dec;72(12):1680–2 **(Rus)**

REYE'S SYNDROME

BLOOD

The significance of serum triglyceride changes in viral ketoacidosis and Reye's syndrome. Aiyathurai JE, et al. **J Singapore Paediatr Soc** 1986;28(3–4):237–42
Erythrocyte lipid abnormalities in Reye's syndrome. Schwarz KB, et al. **Pediatr Res** 1987 Apr;21(4):352–6
[A fatal case of Reye-like syndrome with severe elevation of serum phenylalanine] Murakami K, et al. **No To Hattatsu** 1987 Jan;19(1):63–7 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Use of aspirin and Reye's syndrome [letter] Banco L. **Am J Dis Child** 1987 Mar;141(3):240–1
A survey of aspirin use and Reye's syndrome awareness among parents. Morris LA, et al. **Am J Public Health** 1986 Dec;76(12):1422–4
Reye's syndrome and aspirin. Mann RD. **J R Coll Gen Pract** 1986 Sep;36(290):418–21
Reye's syndrome and aspirin: a review. Hall SM. **J R Soc Med** 1986 Oct;79(10):596–8 (34 ref.)
Reye's syndrome and aspirin [letter] Rowe PH. **J R Soc Med** 1987 May;80(5):325–6
Public Health Service study of Reye's syndrome and medications. Report of the main study [published erratum appears in JAMA 1987 Jun 26;257(24):3366] Hurwitz ES, et al. **JAMA** 1987 Apr 10;257(14):1905–11
Reye's syndrome, salicylates, epidemiology, and public health policy [editorial] Mortimer EA Jr. **JAMA** 1987 Apr 10;

257(14):941
Reye's syndrome and aspirin: epidemiological associations and inborn errors of metabolism [editorial] **Lancet** 1987 Aug 22;2(8556):429–31
Aspirin and Reye's syndrome. A reappraisal. Glen-Bott AM. **Med Toxicol** 1987 May–Jun;2(3):161–5 (23 ref.)
[Acetylsalicylic acid and Reye's syndrome] Lunde PK. **Tidsskr Nor Laegeforen** 1986 Nov 10;106(31):2642 (Nor)
[Acetylsalicylic acid and Reye's syndrome. A possibility in solving the problem? (letter)] Naess K. **Tidsskr Nor Laegeforen** 1987 Feb 20;107(5):483–4 (Nor)

CLASSIFICATION

Reye's syndrome. An epidemiologic analysis of mild disease. Holtzhauer FJ, et al. **Am J Dis Child** 1986 Dec; 140(12):1231–6

DIAGNOSIS

Reye's syndrome in adults. Diagnostic considerations. Meythaler JM, et al. **Arch Intern Med** 1987 Jan;147(1):61–4
Reye's syndrome in adults. A case report and review of the literature. Peters LJ, et al. **Arch Intern Med** 1986 Dec; 146(12):2401–3
Advances in the application of biochemical tests to diseases of the liver and biliary tract: their role in diagnosis, prognosis, and the elucidation of pathogenetic mechanisms. Goldberg DM, et al. **Clin Biochem** 1987 Apr;20(2):127–48 (245 ref.)
Diagnostic quality of laboratory tests as evaluated by graphic comparison of "first test" data, with Reye's syndrome "workup" assays as a model.Meites S, et al. **Clin Chem** 1987 Jan;33(1):100–2
Differential diagnosis of Reye's syndrome. Robinson RO. **Dev Med Child Neurol** 1987 Feb;29(1):110–6
Medium-chain and long-chain acyl CoA dehydrogenase deficiency: clinical, pathologic and ultrastructural differentiation from Reye's syndrome. Treem WR, et al. **Hepatology** 1986 Nov–Dec;6(6):1270–8
Partial carbamyl phosphate synthetase deficiency, simulating Reye's syndrome, in a 9-year-old girl. Granot E, et al. **Isr J Med Sci** 1986 Jun;22(6):463–5
Necessity of liver biopsy for accurate diagnosis of Reye's syndrome [letter] Kimura A, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):153–4
[Reye's syndrome. Clinical and etiopathogenetic aspects. Case contribution] Lapetina F, et al. **Pediatr Med Chir** 1987 Jan–Feb;9(1):49–54 (Eng. Abstr.) (Ita)
[Acetylsalicylic acid and Reye's syndrome (letter)] Aagenoes O. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):78–9 (Nor)
[Reye's syndrome is not only a childhood disease] Toborek M, et al. **Przegl Lek** 1986;43(12):775–8 (Pol)
[Reye's syndrome. A case report] Da Silva CR, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):401–5 (Eng. Abstr.) (Por)
[Reye's syndrome. Clinical experience at the Hospital Universitario of the Universidad Autónoma de Nueva León] Rangel Guerra R, et al. **Rev Invest Clin** 1986 Oct–Dec;38(4):365–73 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Serum isocitrate dehydrogenase activity in Reye's syndrome. Deshmukh DR, et al. **Biochem Med Metab Biol** 1987 Apr; 37(2):255–7
3-Hydroxy-3-methylglutaryl-CoA lyase deficiency. Walter JH, et al. **J Inherited Metab Dis** 1986;9(3):287–8
Salicylate and mitochondrial monoamine oxidase function in Reye's syndrome. Faraj BA, et al. **J Pharm Sci** 1987 Jun; 76(6):423–6
Serum acid proteolytic activity in Reye syndrome [letter] Douglas SD, et al. **Lancet** 1987 Jan 24;1(8526):221

ETIOLOGY

Presence of aflatoxin B1 in human liver referred to as Reye's syndrome in Venezuela. Burguera JA. **Acta Cient Venez** 1986;37(3):325–6
Generation of allantoin from the oxidation of urate by cytochrome c and its possible role in Reye's syndrome. Martens ME, et al. **Arch Biochem Biophys** 1987 Jan; 252(1):91–6
Choline salicylates and Reye's syndrome [letter] Sarll DW, et al. **Br Dent J** 1986 Nov 8;161(9):317–8
Reye's syndrome in a boy treated with salicylates for Reiter's disease. Baboolal R, et al. **Ir Med J** 1986 Oct;79(10):289–91
Reye's syndrome and aspirin: guilt by association [editorial] Feely J. **Ir Med J** 1986 Oct;79(10):269–70
[Reye-like syndrome due to Shigella flexneri in a child] Weizer S, et al. **Harefuah** 1987 Mar 1;112(5):231–2 (Eng. Abstr.) (Heb)
[Reye's syndrome and salicylic acids] Hori M, et al. **Nippon Rinsho** 1986 Sep;44(9):2095–103 (25 ref.) (Jpn)

FAMILIAL & GENETIC

Familial Reye-like syndrome: a presentation of medium-chain acyl-coenzyme A dehydrogenase deficiency. Taubman B, et al. **Pediatrics** 1987 Mar; 79(3):382–5

METABOLISM

Serum and urinary carnitine and organic acids in Reye syndrome and Reye-like syndrome. Sugimoto T, et al. **Brain Dev** 1986;8(3):257–61
Reye's syndrome: current concepts. Heubi JE, et al. **Hepatology** 1987 Jan–Feb;7(1):155–64 (126 ref.)
Fatty acids and Reye's syndrome [editorial] Mock DM. **Hepatology** 1986 Nov–Dec;6(6):1414–5
Depression of oxidative metabolism of aspirin in mice via an interferon-associated mechanism in relation to Reye's syndrome. Dolphin CT, et al. **J Pharm Pharmacol** 1987 Mar;39(3):228–30
Hepatic lipid abnormalities in a chemical/viral mouse model for Reye's syndrome. Murphy MG, et al. **Lipids** 1987 Apr; 22(4):217–23
[Reye's syndrome] de Kremer RD, et al. **Medicina (B Aires)** 1985;45(6):603–14 (Eng. Abstr.) (Spa)

MICROBIOLOGY

Influenza B virus model of Reye's syndrome. Evidence for a nonpermissive infection of liver and brain. Davis LE. **Lab Invest** 1987 Jan;56(1):32–6

OCCURRENCE

National patterns of aspirin use and Reye syndrome reporting, United States, 1980 to 1985. Arrowsmith JB, et al. **Pediatrics** 1987 Jun;79(6):858–63
Aspirin use and Reye syndrome. Kauffman RE, et al. **Pediatrics** 1987 Jun;79(6):1049–50
[Reye's syndrome in children and the use of acetylsalicylic acid] Visser HK. **Ned Tijdschr Geneeskd** 1986 Sep 6; 130(36):1591–2 (Dut)

PATHOLOGY

Response of epithelial cells of the choroid plexus in the ferret model for Reye's syndrome. Rarey KE, et al. **Lab Invest** 1987 Mar;56(3):249–55

PHYSIOPATHOLOGY

Reye's syndrome: assessment of intracranial monitoring. Jenkins JG, et al. **Br Med J** 1987 Feb 7;294(6568):337–8
Reye's syndrome: an assessment of intracranial monitoring [letter] Emond AM, et al. **Br Med J [Clin Res]** 1987 Mar 28;294(6575):837
Liver autophagy in the influenza B virus model of Reye's syndrome in mice. Woodfin BM, et al. **J Cell Biochem** 1986; 31(4):271–5
Cerebral blood flow and brain oxygen extraction in Reye syndrome. Frewen TC, et al. **J Pediatr** 1987 Jun; 110(6):903–5
Adult Reye's syndrome: discordance in hepatic subcellular function testing. Gill RA, et al. **Minn Med** 1987 Jun; 70(6):347–8, 354

URINE

Urinary evidence of disturbance of mitochondrial respiratory chain in Reye syndrome [letter] Matsuo M, et al. **J Pediatr** 1987 Jul;111(1):155

RH FACTORS see **RH-HR BLOOD-GROUP SYSTEM**

RH-HR BLOOD-GROUP SYSTEM

Misleading Rh phenotype and severe prolonged anemia in hemolytic disease of the newborn [letter] Burk CD, et al. **Am J Dis Child** 1987 Jul;141(7):712–3
Characterization of the Ss sialoglycoprotein and its antigens in Rhnull erythrocytes. Dahr W, et al. **Blut** 1987 Jan; 54(1):13–24
Localization of Rh1(D), 2(C), 3(E), 4(c), 5(e) and 25(LW) antigens of human Rh blood groups in fetal erythrocyte membranes. Fukushima H, et al. **Comp Biochem Physiol [B]** 1987;86(2):303–5
Transfusion of Rh-incompatible blood components to cancer patients. Lichtiger B, et al. **Haematologia (Budap)** 1986; 19(2):81–8
Migration and changes in ABO and Rh blood group clines in Britain. Mascie-Taylor CG, et al. **Hum Biol** 1987 Apr; 59(2):337–44
Serological and biochemical genetic markers in congenital cleft lip and cleft palate anomalies. Balgir RS. **Isr J Med Sci** 1986 Jul–Aug;22(7–8):572–5
Distribution of ABO and Rh blood groups in Coimbatore district of Tamil Nadu. Sunderraj PP, et al. **J Indian Med Assoc** 1986 Dec;84(12):374–6
Blood groups and malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1986 Sep;33(1):24–6
Ultrasonic B-scanning in rhesus incompatibility. Jones MR. **JCU** 1974 Sep;2(3):185–90
Distribution of ABO and Rh blood groups in the residents of Bahawalpur. Nasim FH, et al. **JPMA** 1987 Jan;37(1):7–8
ABO blood groups, rhesus types, and colorectal adenocarcinoma. A retrospective study of 747 cases. Halvorsen TB. **Scand J Gastroenterol** 1986 Oct; 21(8):979–83
Anti-Rh33, the second separable example, also made by a person who made anti-D and has C+ red cells. Issitt PD, et al. **Transfusion** 1986 Nov–Dec;26(6):506–10
False-positive results with chemically modified anti-D. Jones EC, et al. **Transfusion** 1987 Mar–Apr;27(2):142–4
Compatibility testing between the blood of donors and recipients in Nigerians. Okafor LA, et al. **Trop Geogr Med** 1987 Apr;39(2):148–51
Excess of blood group B in primary myelofibrosis. Jaff MS, et al. **Vox Sang** 1987;52(3):250–3
A human-human monoclonal anti-D by direct fusion with a lymphoblastoid line. Lowe AD, et al. **Vox Sang** 1986; 51(3):212–6
Rhesus Du incompatibility in a newborn without hemolytic disease: a possible role for the mononuclear phagocyte system in the benign clinical course. Pérez D, et al. **Vox Sang** 1986;51(4):341–3
[Revised description of the concept of the rhesus-negative blood donor (published erratum appears in Ned Tijdschr Geneeskd 1987 Jul 11;131(28):1248)] Dudok de Wit C, et al. **Ned Tijdschr Geneeskd** 1987 Jun 20;131(25):1077–9 (Dut)
[Composition of intervillous thrombi from maternal and fetal blood] Gille J, et al. **Z Geburtshilfe Perinatol** 1986 May–Jun;190(3):133–6 (Eng. Abstr.) (Ger)
[Micromethod for the detection of erythrocyte antigens in blood stains] Lötterle J, et al. **Z Rechtsmed** 1986; 96(3):163–71 (Eng. Abstr.) (Ger)
[Perioperative autotransfusion for massive bleeding in a redo open heart patient with rare blood type] Akagawa H, et al. **Kyobu Geka** 1987 Apr;40(5):378–81 (Eng. Abstr.) (Jpn)
[Development of the Rh blood groups] Hasekura H. **Nippon Hoigaku Zasshi** 1986 Oct;40(5):465–80 (Eng. Abstr.) (Jpn)
[Immunologic characteristics of rhesus system antigen RhO (D) isolated from human erythrocytes] Danilova TN, et al. **Gematol Transfuziol** 1987 Jan;32(1):33–6 (Eng. Abstr.) (Rus)
[System of evaluating the effectiveness of various methods of preparing and using anti-rhesus reagents] Mineeva NV, et al. **Gematol Transfuziol** 1986 Sep;31(9):40–4 (Rus)
[Distribution of rhesus system antigens (Rh-Hr) in the Azerbaijan population] Ragimov AA. **Gematol Transfuziol** 1987 Jan;32(1):36–9 (Eng. Abstr.) (Rus)
[Incidence of ABO and rhesus system antigens in patients with urolithiasis] Aleksandrov VP, et al. **Sov Med** 1986; (9):24–8 (Eng. Abstr.) (Rus)

ANALYSIS

The UK National External Quality Assessment Scheme in Blood Group Serology. ABO and D grouping and antibody screening 1982–1983. Holburn AM, et al. **Clin Lab Haematol** 1986;8(3):243–56
Quantitative comparison of Rh1 (Rho, D) antigen on D, Du and d red cells by radioimmunoassay using 125I-protein A. Fukushima H, et al. **Int J Biochem** 1986;18(12):1147–9
Immunoelectrophoretic demonstration of Rho(D) antigen of red blood cell membrane. Yokoi T, et al. **Nippon Hoigaku Zasshi** 1986 Feb;40(1):1–7
First trimester diagnosis of Rho (D) with an immunofluorescence technique after chorionic villus sampling. Fuhrman HC, et al. **Prenat Diagn** 1987;7(1):17–21
Quantitative studies on the Rh-antigen D. Effect of the C gene. Araszkiewicz P, et al. **Transfusion** 1987 May–Jun; 27(3):257–61

GENETICS

Acuity of selective mechanisms operating on ABO, Rh, and MN blood groups. Srikumari CR, et al. **Am J Phys Anthropol** 1987 Jan;72(1):117–21
ABO and Rhesus phenotyping of fetal erythrocytes in the first trimester of pregnancy. Gemke RJ, et al. **Br J Haematol** 1986 Dec;64(4):689–97
Gene differentiation in four subcastes of Brahmins from Visakhapatnam, Andhra Pradesh. Srikumari CR, et al. **Hum Hered** 1986;36(6):373–8
Determination of Rh(D) genotype: use of human monoclonal antibodies in flow cytometry. Kornprobst M, et al. **J Clin Pathol** 1986 Sep;39(9):1039–40
Quantitative studies on the Rh-antigen D. Effect of the C gene. Araszkiewicz P, et al. **Transfusion** 1987 May–Jun; 27(3):257–61
Evidence for a 'new' Rh gene complex producing the rare Cx (Rh9) antigen in the Somali population of East Africa. Sistonen P, et al. **Transfusion** 1987 Jan–Feb;27(1):66–8
[Genetic frequencies of the ABO and rhesus blood groups in the Tunisian population] Masmoudi H, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):581–5 (Eng. Abstr.) (Fre)
[ABO and RH-RH blood-group systems in congenital hip dislocation] Lordkipanidze EF, et al. **Ortop Travmatol Protez** 1987 May;(5):27–9 (Eng. Abstr.) (Rus)
[Polymorphism of the antigens of the ABO and rhesus-factor systems] Timoshenko LI, et al. **Vrach Delo** 1986 Dec; (12):38–42 (Eng. Abstr.) (Rus)
[ABO and Rh distortions, in newborn brothers] Cifuentes L, et al. **Rev Chil Obstet Ginecol** 1986;51(1):68–72 (Eng. Abstr.) (Spa)
[Frequency of blood groups: ABO, Rh-Hr and Du factor] Berisvil de Alonso C. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(1):44–5 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Perinatal mortality from Rh(D) hemolytic disease in Finland, 1975–1984. Eklund J, et al. **Acta Obstet Gynecol Scand** 1986;65(7):787–9

Hematological aspect of Rh deficiency syndrome: a case report and a review of the literature. Nash R, et al. **Am J Hematol** 1987 Mar;24(3):267–75

Idiotypic specificity of a human monoclonal anti–Rhesus(D) antibody. Lambin P, et al. **Ann Inst Pasteur Immunol** 1986 Nov–Dec;137D(3):383–90

Anti–rhesus antibodies, immune thrombocytopenia, and human immunodeficiency virus treatment [letter] Bierling P, et al. **Ann Intern Med** 1987 May;106(5):773–4

Immunohaematological testing of the antenatal patient. Is the Rh(D) positive woman as important as the Rh(D) negative woman? Davis KG, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):253–6

Human monoclonal antibody against Rh(D) antigen: partial characterization of the Rh(D) polypeptide from human erythrocytes. Bloy C, et al. **Blood** 1987 May;69(5):1491–7

Antiidiotypic IgG crossreactive with Rh alloantibodies in red cell autoimmunity. Masouredis SP, et al. **Blood** 1987 Sep;70(3):710–5

Rh blood group-specific antibodies in immune hemolytic anemia induced by nomifensine. Salama A, et al. **Blood** 1986 Dec;68(6):1285–8

Heterogeneity of IgG1 monoclonal anti–Rh(D): an investigation using ADCC and macrophage binding assays. Armstrong SS, et al. **Br J Haematol** 1987 Jun;66(2):257–62

The effect of naturally occurring Rh antibodies on the survival of serologically incompatible red cells. Contreras M, et al. **Br J Haematol** 1987 Apr;65(4):475–8

A different example of autoimmune haemolytic anaemia caused by anti–D [letter] Kanra T, et al. **Br J Haematol** 1987 Jul;66(3):432–3

A preparation for calibrating the assay of the blood group antibody anti–c. Phillips PK. **Br J Haematol** 1987 Jan; 65(1):57–9

Why women are not receiving anti–Rh prophylaxis [letter] Contreras M, et al. **Br Med J [Clin Res]** 1986 Nov 22; 293(6558):1373

Why women are not receiving anti–Rh prophylaxis [letter] Hussey RM. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):119

Oral administration of erythrocyte membrane antigen does not suppress anti–Rh(D) antibody responses in humans. Barnes RM, et al. **Clin Exp Immunol** 1987 Jan;67(1):220–6

IgG subclass distribution of anti–Rh, anti–Kell and anti–Duffy antibodies measured by sensitive haemagglutination assays. Michaelsen TE, et al. **Clin Exp Immunol** 1987 Mar;67(3):637–45

A management programme for Rh alloimmunization during pregnancy. Filbey D, et al. **Early Hum Dev** 1987 Jan; 15(1):11–20

The evaluation of maternal anti–D concentrations during pregnancy. Filbey D, et al. **Early Hum Dev** 1987 Jan; 15(1):1–9

Effect of membrane cholesterol depletion on the immunoreactivity of the D antigen and IgG anti–D. Victoria EJ, et al. **Immunol Invest** 1986 Jun;15(4):393–404

Monoclonal anti–LWab and anti–D reagents recognize a number of different epitopes. Use of red cells of non–human primates. Shaw MA. **J Immunogenet** 1986 Oct–Dec; 13(5–6):377–86

Rh antigen immunoreactivity after histidine modification. Victoria EJ, et al. **Mol Immunol** 1986 Oct;23(10):1039–44

Segregation of Rh 1(D) and Rh 25(LW) antigens of human Rh blood groups from the Triton–treated fetal erythrocyte membranes. Fukushima H, et al. **Nippon Hoigaku Zasshi** 1986 Apr;40(2):101–4

A radioimmunoassay using 125I–protein A for the determination of red cell RH1 (Rh0, D) antigen. Fukushima H, et al. **Nippon Hoigaku Zasshi** 1986 Aug;40(4):366–9

Blood group specificity of an autohemagglutinin induced by alpha–methyldopa therapy. Itoh Y, et al. **Nippon Hoigaku Zasshi** 1986 Feb;40(1):30–4

Production and characterization of human–human and human–mouse hybridomas secreting Rh(D)–specific monoclonal antibodies. MacDonald G, et al. **Scand J Immunol** 1987 May;25(5):477–83

Immunoreactivity of the Rho(D) antigen in cytoskeleton–free vesicles. Victoria EJ, et al. **Transfusion** 1987 Jan–Feb; 27(1):32–5

Rh(D) alloimmunization in the absence of exposure to Rh(D) antigen. Biggins KR, et al. **Vox Sang** 1986;51(3):228–30

Murine monoclonal antibody suitable for use as an Rh reagent, anti–c. Bourel D, et al. **Vox Sang** 1987;52(1–2):85–8

Further investigation of nonspecific biological substance in anti–Rh(D) preparations. Petri IB, et al. **Vox Sang** 1986; 51(4):287–91

Lymphocyte killer activity in individuals sensitized against antigen–D assessed by direct ADCC lysis of O,Rh–positive erythrocytes. Sándor J, et al. **Vox Sang** 1986;51(4):310–3

Gm allotyping to determine the origin of the anti–D causing hemolytic anemia in a kidney transplant recipient. Swanson J, et al. **Vox Sang** 1987;52(3):228–30

[Irregular blood type antibodies in parturient patients in a regional hospital. Has the increased number of abortions resulted in an increase in occurrence] Reiche T, et al. **Ugeskr Laeger** 1986 Sep 29;148(40):2543–5 (Eng. Abstr.) **(Dan)**

[Decreasing Rhesus serum antibody titer in pregnancy with Rhesus constellation] Kölbl H, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):285–6 (Eng. Abstr.) **(Ger)**

[An important source of error in Rh(D) typing] Heier HE, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30;107(12):1024–6 (Eng. Abstr.) **(Nor)**

[Humoral immunity factors of donors immunized with rhesus system antigens and staphylococcal anatoxin] Danilova TN, et al. **Gematol Transfuziol** 1986 Nov;31(11):49–51 **(Rus)**

[The protease method of detecting rhesus antigens in liquid blood studies for forensic medicine purposes] Sakharov RS, et al. **Sud Med Ekspert** 1986 Jul–Sep;29(3):26–30 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Human monoclonal antibody against Rh(D) antigen: partial characterization of the Rh(D) polypeptide from human erythrocytes. Bloy C, et al. **Blood** 1987 May;69(5):1491–7

RH ISOIMMUNIZATION

see related
ERYTHROBLASTOSIS, FETAL

An unusual case of rhesus isoimmunization. Younis J, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):313–6

A management programme for Rh alloimmunization during pregnancy. Filbey D, et al. **Early Hum Dev** 1987 Jan; 15(1):11–20

Damages for stillborn child. Brahams D. **Lancet** 1987 Mar 21;1(8534):699

[Dynamics of the fetal–maternal exchange after amniocentesis in pregnancy with Rh incompatibility] Doraczyński H, et al. **Ginekol Pol** 1986 Nov;57(11):698–701 **(Pol)**

BLOOD

[Effect of therapeutic plasmapheresis on the blood coagulation process in pregnant women with serologic Rh incompatibility] Riess A, et al. **Ginekol Pol** 1986 Sep; 57(9):592–5 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

A reappraisal of the maternal syndrome associated with hydrops fetalis. Mahmood TA. **Eur J Obstet Gynecol Reprod Biol** 1987 Jun;25(2):159–63

[Post–transfusion thrombocytopenic purpura associated with alloimmunization with Zw alpha (PIA1) platelet antigen] Mašlanka K, et al. **Acta Haematol Pol** 1986 Jan–Jun; 17(1–2):44–55 (Eng. Abstr.) **(Pol)**

[Serologic Rh incompatibility in the presence or absence of antigenic incompatibility of the ABO system] Kotzbach R, et al. **Ginekol Pol** 1986 Oct;57(10):646–9 (Eng. Abstr.) **(Pol)**

[Critical comments on the current treatment of neonatal hemolytic diseases due to anti–Rh(D) isoimmunization] Velcovici D, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Oct–Dec;35(4):345–59 (42 ref.) **(Rum)**

DIAGNOSIS

Fetal blood group determination in first–trimester pregnancy for the management of severe immunization. Kanhai HH, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):120–3

Unreliable amniotic fluid bilirubin measurements in isoimmunized pregnancies in sickle cell disease patients [letter] Perkins RP. **Obstet Gynecol** 1986 Nov;68(5):730–1

[Evaluation of the course and intensity of serologic incompatibility based on the complex examination of the amniotic fluid] Szymański W, et al. **Ginekol Pol** 1986 Oct; 57(10):642–5 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Rhesus immune globulin therapy following mismatched blood transfusion in a neonate. Etches PC, et al. **Acta Paediatr Scand** 1987 May;76(3):528–9

Causes of Rh sensitization in Alabama. Stedman CM, et al. **Ala J Med Sci** 1987 Apr;24(2):140–2

Rise in maternal serum alpha–fetoprotein concentration after chorionic villus sampling and the possibility of isoimmunization. Blakemore KJ, et al. **Am J Obstet Gynecol** 1986 Nov;155(5):988–93

Incidence of rhesus immunisation after genetic amniocentesis. Tabor A, et al. **Br Med J [Clin Res]** 1986 Aug 30; 293(6546):533–6

Incidence of rhesus immunisation after genetic amniocentesis [letter] Tovey LA. **Br Med J [Clin Res]** 1986 Oct 4; 293(6551):885

Alloimmunization by plasma infusion [letter] Das PC, et al. **Int J Artif Organs** 1986 Nov;9(6):445

[Erythrocyte sensitization in a drug addict (letter)] Hernández Sánchez MC, et al. **Sangre (Barc)** 1986; 31(5):606–7 **(Spa)**

IMMUNOLOGY

A review of 58 Rh–isoimmunized cases. Rao RR, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):207–11

Rh(D) alloimmunization in the absence of exposure to Rh(D) antigen. Biggins KR, et al. **Vox Sang** 1986;51(3):228–30

[Decreasing Rhesus serum antibody titer in pregnancy with Rhesus constellation] Kölbl H, et al. **Geburtshilfe Frauenheilkd** 1987 Apr;47(4):285–6 (Eng. Abstr.) **(Ger)**

[Changes in the C3 component of the complement system in the amniotic fluid in normal pregnancy and pregnancy complicated by Rh serologic incompatibility] Zalewski J, et al. **Ginekol Pol** 1986 Oct;57(10):650–3 (Eng. Abstr.) **(Pol)**

METABOLISM

[Various parameters of the amniotic fluid and placentas of Rh–isoimmunized women] Tiufekchieva E, et al. **Akush Ginekol (Sofiia)** 1987;26(3):15–9 (Eng. Abstr.) **(Bul)**

OCCURRENCE

Haemolytic disease of the newborn—the changing scene. Tovey LA. **Br J Obstet Gynaecol** 1986 Sep;93(9):960–6

PATHOLOGY

[Histometric studies of placental villi in Rh incompatibility] Schuhmann R, et al. **Geburtshilfe Frauenheilkd** 1987 Apr; 47(4):274–9 (Eng. Abstr.) **(Ger)**

[Histometric case report of a placenta following intra–uterine therapy of rhesus incompatibility] Stoz F, et al. **Geburtshilfe Frauenheilkd** 1987 May;47(5):349–50 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Fetal blood flow measurements in severe rhesus isoimmunization. A case report. Stiller RJ, et al. **J Reprod Med** 1987 Jun;32(6):453–5

PREVENTION & CONTROL

Clinical high–risk designation does not predict excess fetal–maternal hemorrhage. Ness PM, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):154–8

Why women are not receiving anti–Rh prophylaxis [letter] Tovey LA. **Br Med J** 1987 Feb 21;294(6570):508

Why women are not receiving anti–Rh prophylaxis [letter] Contreras M, et al. **Br Med J [Clin Res]** 1986 Nov 22; 293(6558):1373

Why women are not receiving anti–Rh prophylaxis [letter] Hussey RM. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):119

Why women are not receiving anti Rh prophylaxis [letter] Tovey LA. **Br Med J [Clin Res]** 1987 Jun 6;294(6585):1485

Immunoprophylactic anti–Rho(D) treatment after mismatched transfusions. Ennker J, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):117–24

Efficacy of prophylactic anti–D immunoglobin injections. Kulkarni SV, et al. **Indian J Med Res** 1987 Feb;85:181–3

"The use of Rh–immune globulin".Lavery JP. **Nebr Med J** 1987 May;72(5):175–6

[Rhesus prevention in Aalborg Hospital during the 1969–1979 decade] Lylloff K, et al. **Ugeskr Laeger** 1986 Nov 24; 148(48):3223–6 (Eng. Abstr.) **(Dan)**

[Ante–partum administration of preventive treatment of Rh–D immunization in rhesus–negative women. Parallel evaluation of transplacental passage of fetal blood cells. Results of a multicenter study carried out in the Paris region] Huchet J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(1):101–11 (Eng. Abstr.) **(Fre)**

[Routine vaccination at the I. University Gynecologic Clinic. Rhesus prevention and rubella vaccination in the puerperium] Gitsch E. **Gynakol Rundsch** 1986;26(4):231–4 **(Ger)**

THERAPY

Conservative management of a severely Rh–sensitized pregnancy. Shah DM, et al. **Am J Obstet Gynecol** 1987 May;156(5):1189–90

The influence of intrauterine transfusion upon birthweight in rhesus hemolytic disease. Altmann P, et al. **Eur J Obstet Gynecol Reprod Biol** 1975;5(5):247–50

Management of isoimmunized pregnancy [letter] **N Engl J Med** 1987 Jan 15;316(3):165–6

Relationship of fetal hemoglobin and oxygen content to lactate concentration in Rh isoimmunized pregnancies. Soothill PW, et al. **Obstet Gynecol** 1987 Feb;69(2):268–71

[Persistent hyperbilirubinemia after intrauterine intraperitoneal transfusions in 4 newborn infants. Role of intraperitoneal red cells present at birth] Pochard J, et al. **Presse Med** 1987 May 2;16(16):756–8 (Eng. Abstr.) **(Fre)**

[Treatment of Rh–isoimmunized pregnant women with plasmapheresis] Molnár GB, et al. **Orv Hetil** 1987 Feb 8; 128(6):291–5 (Eng. Abstr.) **(Hun)**

[Fetal transfusion in Rh incompatibility: its evaluation after 16 years' use] Lozińska D. **Pol Tyg Lek** 1986 Aug 4; 41(31):967–71 (Eng. Abstr.) **(Pol)**

RHABDITIS see **NEMATODA**

RHABDITOIDEA see **NEMATODA**

RHABDOMYOLYSIS

[Determination of myoglobin in human serum and urine using our own radioimmunoassay method] Kurcová I, et al. **Cas Lek Cesk** 1987 Jan 9;126(2):57–60 (Eng. Abstr.) **(Cze)**

BLOOD

Myoglobin and creatine phosphokinase in serum during and after aortic bypass grafting. Andersen PT, et al. **Thorac Cardiovasc Surg** 1987 Feb;35(1):57–60

[Value of the determination of myoglobinemia in traumatic rhabdomyolysis (letter)] Alazia M, et al. **Ann Fr Anesth Reanim** 1986;5(6):627–8 **(Fre)**

CHEMICALLY INDUCED

Narcotic overdose and acute rhabdomyolysis [letter] Weston MD, et al. **Anaesthesia** 1986 Dec;41(12):1269

Transient rhabdomyolysis connected with topical use of 5–fluorouracil in a patient with psoriasis of the nails [letter] Schmied E, et al. **Dermatologica** 1986;173(5):257–8

Rhabdomyolysis and acute renal failure [letter] Glickman L. **J Clin Psychiatry** 1987 Jul;48(7):299–300

A case of massive rhabdomyolysis following molindone administration. Johnson SB, et al. **J Clin Psychiatry** 1986 Dec;47(12):607–8

Cocaine and rhabdomyolysis [letter] Schwartz JG, et al. **J Fam Pract** 1987 Feb;24(2):209

Rhabdomyolysis and acute renal failure following use of succinylcholine and enflurane: report of a case. Lee SC, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):789–92

Cocaine intoxication: hyperpyrexia, rhabdomyolysis and acute renal failure. Merigian KS, et al. **J Toxicol Clin Toxicol** 1987;25(1–2):135–48

Rhabdomyolysis in doxylamine overdose [letter] Köppel C, et al. **Lancet** 1987 Feb 21;1(8530):442–3

Rhabdomyolysis with hyperkalaemia after aminophylline overdose. Wight JP, et al. **Med Sci Law** 1987 Apr; 27(2):103–5

[Focal pseudotumoral rhabdomyolysis] Mokhtari M, et al. **J Chir (Paris)** 1986 Oct;123(10):590 **(Fre)**

[Rhabdomyolysis under treatment by ciprofibrate in the nephrotic syndrome (letter)] Baglin A, et al. **Therapie** 1987 Mar–Apr;42(2):247–8 **(Fre)**

[Rhabdomyolysis and damage to peripheral nerves due to drug intoxication] Reshef A, et al. **Harefuah** 1986 Nov 2; 111(9):224–6 (Eng. Abstr.) **(Heb)**

[Hypokalemic rhabdomyolysis associated with diuretic and beta blockader therapy] Acquarone N, et al. **Recenti Prog Med** 1987 Jan;78(1):33–5 (Eng. Abstr.) **(Ita)**

[Rhabdomyolysis and drug abuse (letter)] Guillaumet J, et al. **Med Clin (Barc)** 1987 Feb 14;88(6):258 **(Spa)**

[Hyperthermia and rhabdomyolysis caused by a monoamine oxidase inhibitor (letter)] Marruecos Sant L, et al. **Med Clin (Barc)** 1987 Feb 21;88(7):301 **(Spa)**

COMPLICATIONS

A possible pathogenic mechanism for rhabdomyolysis associated with multiple myeloma. Fernández–Solá J, et al. **Acta Haematol (Basel)** 1987;77(4):231–3

Succinylcholine–induced hyperkalemia complicating the neuroleptic malignant syndrome [letter] George AL Jr, et al. **Ann Intern Med** 1987 Jan;106(1):172

Rhabdomyolysis associated with pleural tuberculosis [letter] Cases A, et al. **Arch Intern Med** 1986 Dec;146(12):2411

Hypercalcemia during resolution of acute renal failure associated with rhabdomyolysis: evidence for suppression of parathyroid hormone and calcitriol. Prince RL, et al. **Aust NZ J Med** 1986 Aug;16(4):506–8

Acute tubular necrosis secondary to rhabdomyolysis with complete absence of renal perfusion. Pham DH, et al. **Clin Nucl Med** 1987 Jun;12(6):445–7

Acute renal failure in the neonate. Two fatal cases due to group B streptococci with rhabdomyolysis. Turner MC, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):189–90

Acute renal failure due to atraumatic rhabdomyolysis in coma diabeticum. Zobel G, et al. **Int J Pediatr Nephrol** 1986 Oct–Dec;7(4):239–42

Rhabdomyolysis in a patient with a mandibular fracture. Hammon K, et al. **J Oral Maxillofac Surg** 1987 Jul; 45(7):627–30

Hypocalcemia in rhabdomyolysis [letter] Davis AM. **JAMA** 1987 Feb 6;257(5):626

Rhabdomyolysis associated with Crohn's disease. Chiba M, et al. **Jpn J Med** 1987 May;26(2):255–60

Parathyroid adenoma causing persistent hypercalcaemia after rhabdomyolysis–induced acute renal failure. Goldman M, et al. **Nephrol Dial Transplant** 1986;1(1):50–2

A case of neuroleptic malignant syndrome with myoglobinuric acute renal failure treated with dialysis and levodopa. Lambrecht ER, et al. **Neth J Med** 1987 Feb; 30(1–2):80–4

Nontraumatic rhabdomyolysis and acute renal failure. Forwell MA, et al. **Scott Med J** 1986 Oct;31(4):246–9

[Renal failure caused by rhabdomyolysis secondary to dog bites and scratches in an infant victim of negligence] Guillois B, et al. **Ann Pediatr (Paris)** 1987 Apr;34(4):337–8 (Eng. Abstr.) **(Fre)**

[A case of acute renal failure caused by alcohol–induced rhabdomyolysis associated with severe abnormalities in calcium metabolism and type I renal tubular acidosis] Tsubakihara Y, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov; 28(11):1523–30 (Eng. Abstr.) **(Jpn)**

[Rhabdomyolysis. Electrolyte imbalance and renal failure] Fadnes HO, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10; 107(7):647–8 (Eng. Abstr.) **(Nor)**

[Non–traumatic rhabdomyolysis and acute renal failure] Kannelønning KS, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):649–51 (Eng. Abstr.) **(Nor)**

[Acute neonatal renal insufficiency associated with myoglobinuria] Hernández de la Torre M, et al. **An Esp Pediatr** 1986 Nov;25(5):389–90 **(Spa)**

DIAGNOSIS

The Amicon ultrafiltration device evaluated for detection of myoglobinuria. Coles P, et al. **Clin Chem** 1987 Jun; 33(6):1074–5

Rhabdomyolysis in retrospect: are psychiatric patients predisposed to this little–known syndrome? Johnson SB, et al. **Int J Psychiatry Med** 1987;17(2):163–71

Acute exertional rhabdomyolysis in a runner with elevated serum cardiac isoenzyme (CK–MB). Berardi RS, et al. **Pa Med** 1987 Apr;9(4):44, 46, 48

[Acute rhabdomyolysis—a problem in general practice?] Briner V. **Schweiz Rundsch Med Prax** 1987 Jan 20; 76(4):66–9 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[A case of malignant neuroleptic syndrome with rhabdomyolysis and a therapeutic trial using physostigmine] Krull F, et al. **Fortschr Neurol Psychiatr** 1986 Dec;54(12):398–401 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Exercise–induced recurrent myoglobinuria: defective activity of inner carnitine palmitoyltransferase in muscle mitochondria of two patients. Trevisan CP, et al. **Neurology** 1987 Jul;37(7):1184–8

[Rhabdomyolysis caused by carnitine palmitoyltransferase deficiency] Weber M, et al. **Med Klin** 1987 Apr 10; 82(7–8):297–9 **(Ger)**

ETIOLOGY

Phenytoin hypersensitivity: a case of severe acute rhabdomyolysis. Engel JN, et al. **Am J Med** 1986 Nov; 81(5):928–30

The unusual presentations of tularemia. Bacteremia, pneumonia, and rhabdomyolysis [editorial] Klotz SA, et al. **Arch Intern Med** 1987 Feb;147(2):214

Rhabdomyolysis in the patient undergoing head and neck surgery. Porto DP, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):615–6

Nontraumatic rhabdomyolysis during diabetic ketoacidosis [letter] Chanson P, et al. **Diabetologia** 1986 Sep;29(9):674–5

Rhabdomyolysis following violent behavior and coma. Reddy SK, et al. **J Forensic Sci** 1987 Mar;32(2):550–3

Rhabdomyolysis in hypokalaemic periodic paralysis: a clue to the mechanism that terminates the paralytic attack? De Keyser J, et al. **J Neurol** 1987 Feb;234(2):119–21

Partial muscle carnitine palmitoyltransferase–A deficiency. Rhabdomyolysis associated with transiently decreased muscle carnitine content after ibuprofen therapy. Ross NS, et al. **JAMA** 1987 Jan 2;257(1):62–5

Profound hypokalemia with rhabdomyolysis in Bartter's syndrome [letter] van der Loos TL. **JAMA** 1986 Nov 14; 256(18):2518

A case of rhabdomyolysis in chronic renal failure. Muto S, et al. **Jpn J Med** 1987 Feb;26(1):76–80

Fatal rhabdomyolysis in marathon runner [letter] Boyd JF. **Lancet** 1987 May 9;1(8541):1089

Fatal rhabdomyolysis in marathon runner [letter] Lonka L, et al. **Lancet** 1987 Apr 11;1(8537):857–8

Rhabdomyolysis and myoglobinuria as manifestations of child abuse. Schwengel D, et al. **Pediatr Emerg Care** 1985 Dec; 1(4):194–7

Myoglobinuria from child abuse. Leung A, et al. **Urology** 1987 Jan;29(1):45–6

[Rhabdomyolysis with acute renal failure after a grand mal seizure] Rasmussen KT, et al. **Ugeskr Laeger** 1987 Mar 30;149(14):917 (Eng. Abstr.) **(Dan)**

[Repeated rhabdomyolysis caused by hyponatremia (letter)] Alamartine E, et al. **Presse Med** 1987 Mar 21;16(10):490–1 **(Fre)**

[Rhabdomyolysis in acute intermittent porphyria (letter)] Devars du Mayne JF, et al. **Presse Med** 1987 Feb 21; 16(6):310 **(Fre)**

[Hemorrhagic colitis, gastritis, hematuria and rhabdomyolysis in a jogger: a global ischemia syndrome?] Heer M, et al. **Schweiz Rundsch Med Prax** 1986 Dec 9;75(50):1538–40 (Eng. Abstr.) **(Ger)**

[Acute rhabdomyolysis as a result of body–building] Armignacco O, et al. **Recenti Prog Med** 1987 May; 78(5):214–6 (Eng. Abstr.) **(Ita)**

[Rhabdomyolysis associated with staphylococcal septicemia] Saitoh H, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):693–7 (Eng. Abstr.) **(Jpn)**

[Rhabdomyolysis secondary to a crotalid bite (Crotalus durissus terrificus)] Magalhães RA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul–Aug;28(4):228–33 (Eng. Abstr.) **(Por)**

[Morpho– and pathogenesis of muscle injury in the crush syndrome] Sekamova SM. **Arkh Patol** 1986;48(10):39–47 (Eng. Abstr.) **(Rus)**

[Cytomegalovirus rhabdomyolysis (letter)] Sala–Mateus C, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):431–2 **(Spa)**

[Hypopotassemic rhabdomyolysis and primary hyperaldosteronism (letter)] Sanz López J, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):520–1 **(Spa)**

[Acute rhabdomyolysis in convulsive pathology] Navarrete Navarro P, et al. **Rev Clin Esp** 1987 Jun;181(2):63–7 (Eng. Abstr.) **(Spa)**

[Recurrent myoglobinuria caused by carnitine–palmityl–transferase deficiency (letter)] Pamies–Andreu E, et al. **Rev Clin Esp** 1987 May; 180(8):462–3 **(Spa)**

[Rhabdomyolysis and anesthesia: apropos of a case of intraoperative cardiac arrest] Nieto Rodríguez JL, et al. **Rev Esp Anestesiol Reanim** 1987 Mar–Apr;34(2):147–50 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Acute rhabdomyolysis in a marathon runner [letter] Reid WA, et al. **Br J Sports Med** 1987 Mar;21(1):49

Rhabdomyolysis in leptospirosis (Weil's disease). Solbrig MV, et al. **J Infect Dis** 1987 Oct;156(4):692–3

[Central core bodies and rhabdomyolysis in a case of hyperosmolar diabetic coma (letter)] García–Bragado F, et al. **Rev Clin Esp** 1987 Feb;180(2):118–9 **(Spa)**

PHYSIOPATHOLOGY

ECG abnormalities in myoglobinuria: review of the literature. Subramaniam PN, et al. **Am J Med Sci** 1987 Jan;293(1):45–9

Theophylline–induced protection in myoglobinuric acute renal failure: further characterization. Bidani AK, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):42–5

PREVENTION & CONTROL

Prevention of recurrent exertional rhabdomyolysis by dantrolene sodium. Haverkort–Poels PJ, et al. **Muscle Nerve** 1987 Jan;10(1):45–6

RADIOGRAPHY

Rhabdomyolysis and renal failure in child abuse. Mukherji SK, et al. **AJR** 1987 Jun;148(6):1203–4

RADIONUCLIDE IMAGING

[A case of rhabdomyolysis demonstrated by ^{99m}Tc methylene diphosphonate bone scan] Akashi T, et al. **Kaku Igaku** 1986 Oct;23(10):1479–83 **(Jpn)**

VETERINARY

Changes in serum muscle enzyme levels associated with training schedules and stage of the oestrous cycle in Thoroughbred racehorses. Frauenfelder HC, et al. **Equine Vet J** 1986 Sep;18(5):371–4

Tying up the loose ends of equine rhabdomyolysis [editorial] Harris P, et al. **Equine Vet J** 1986 Sep;18(5):346–8

Loosely coupled skeletal muscle mitochondria in exertional rhabdomyolysis. Van den Hoven R, et al. **Equine Vet J** 1986 Sep;18(5):418–21

Bovine myoglobin: detection of myoglobin in sera and urine of calves with nutritional myopathy by immunodiffusion method. Osame S, et al. **Nippon Juigaku Zasshi** 1986 Aug; 48(4):829–32

RHABDOMYOMA

CONGENITAL

Congenital intracardiac rhabdomyoma: prenatal detection by echocardiography, perinatal management, and surgical treatment. Boxer RA, et al. **Am J Perinatol** 1986 Oct; 3(4):303–5

[Cardiac rhabdomyomas and aortic valve atresia: an unusual association] Charbonneau S, et al. **Ann Pathol** 1986; 6(3):206–10 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Sonographic diagnosis of fetal cardiac rhabdomyoma. Schaffer RM, et al. **J Ultrasound Med** 1986 Sep;5(9):531–3

Soft tissue tumors: unusual forms. Batsakis JG, et al. **Otolaryngol Clin North Am** 1986 Nov;19(4):659–83 (49 ref.)

[Multiple nodule rhabdomyoma: neonatal echocardiographic diagnosis] Zannini L, et al. **Cardiologia** 1986 Sep; 31(9):725–8 (Eng. Abstr.) **(Ita)**

METABOLISM

Production of basement membrane laminin and type IV collagen by tumors of striated muscle: an immunohistochemical study of rhabdomyosarcomas of different histologic types and a benign vaginal rhabdomyoma. Autio–Harmainen H, et al. **Hum Pathol** 1986 Dec;17(12):1218–24

PATHOLOGY

Aspiration cytology of adult rhabdomyoma. Bondeson L, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):679–82

Fine needle aspiration cytology of a rhabdomyoma of the pharynx. Eigenbrodt ML, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):528–32

Cardiac rhabdomyoma associated with tuberous sclerosis. An autopsy case of newborn infant died of cardiac failure. Yamashita H, et al. **Acta Pathol Jpn** 1987 Apr;37(4):645–53

Rhabdomyoma of the retroperitoneum. A report of a tumor with both adult and fetal characteristics: a study by light

and electron microscopy, histochemistry, and immunochemistry. Whitten RO, et al. **Cancer** 1987 Feb 15; 59(4):818–24

Extracardiac rhabdomyoma: a report of two cases. Pradhan SA, et al. **J Surg Oncol** 1986 Sep;33(1):69–71

Cardiac rhabdomyoma presenting as fetal hydrops. Guereta LG, et al. **Pediatr Cardiol** 1986;7(3):171–4

Fetal rhabdomyoma of the parotid gland in an infant: histological, immunohistochemical, and ultrastructural features. Bozic C. **Pediatr Pathol** 1986;6(2–3):139–44

[Benign tumors of the posterior urethra in children. Apropos of an unusual case of rhabdomyoma of fetal type] Dodat H, et al. **J Urol (Paris)** 1987;93(1):43–6 (Eng. Abstr.) **(Fre)**

SURGERY

[A case of intracardiac rhabdomyoma in infancy with successful removal] Ajiki H, et al. **Kyobu Geka** 1987 Mar; 40(4):324–7 (Eng. Abstr.) **(Jpn)**

[Successful resection of bivestricular cardiac rhabdomyoma in a nine-month-old girl] Ohtake S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):1980–4 (Eng. Abstr.) **(Jpn)**

[Rhabdomyoma of the heart. Report of a case operated with success] Almeida OD, et al. **Arq Bras Cardiol** 1986 Apr; 46(4):263–6 (Eng. Abstr.) **(Por)**

RHABDOMYOSARCOMA

[Embryonal rhabdomyosarcoma, of alveolar type, of the gallbladder. Apropos of a case in an adult] Ben Rejeb A, et al. **Arch Anat Cytol Pathol** 1987;35(1):5–8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Lysates of two established human tumor lines contain heparin-binding growth factors related to bovine acidic brain fibroblast growth factor. Lobb RR, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):861–7

[An immunohistochemical study of myoglobin and S-100 protein in rhabdomyosarcoma] Takebayashi K, et al. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):690–5 (Eng. Abstr.) **(Jpn)**

BLOOD

Neurofibromatosis, factor IX deficiency, and rhabdomyosarcoma. Warrier RP, et al. **Urology** 1986 Oct; 28(4):295–6

CHEMICALLY INDUCED

Conditional oncogenicity of perfused adriamycin in the tourniquet-isolated rat limb. Van't Hoff SC, et al. **Carcinogenesis** 1986 Oct;7(10):1787–9

Inhibition of rat natural killer cell function by carcinogenic nickel compounds: preventive action of manganese. Judde JG, et al. **JNCI** 1987 Jun;78(6):1185–90

COMPLICATIONS

Primary rhabdomyosarcoma combined with chronic paragonimiasis in the cerebrum: a necropsy case and review of the literature. Hayashi K, et al. **Acta Neuropathol (Berl)** 1986;72(2):170–7

Prolonged echoviral meningitis in a cancer patient with normal serum immunoglobulins. Watanabe M, et al. **Med Pediatr Oncol** 1986;14(6):342–4

[Embryonal rhabdomyosarcoma and vitelline sac tumor in a child: simultaneous or sequential?] Rasore-Quartino A, et al. **Pathologica** 1985 Nov-Dec;77(1052):639–45 (Eng. Abstr.) **(Ita)**

CONGENITAL

Congenital embryonal rhabdomyosarcoma of the hand and Apert's syndrome. Cohen M, et al. **J Hand Surg [Am]** 1987 Jul;12(4):614–7

DIAGNOSIS

Pleomorphic rhabdomyosarcoma in adults: immunohistochemistry as a tool for its diagnosis. de Jong AS, et al. **Hum Pathol** 1987 Mar;18(3):298–303

Embryonal rhabdomyosarcoma of the mandible. Williams TP, et al. **J Oral Maxillofac Surg** 1987 May;45(5):441–3

Systemic rhabdomyosarcoma presenting as leukemia: case report with ultrastructural study and reviews. Huntrakoon M, et al. **J Surg Oncol** 1987 Aug;35(4):259–65 (17 ref.)

Primary left ventricular rhabdomyosarcoma in a child: noninvasive assessment and successful resection of a rare tumor. Sholler GF, et al. **J Thorac Cardiovasc Surg** 1987 Mar;93(3):465–8

Embryonal rhabdomyosarcoma of the biliary tree in children: a case report. Arnaud O, et al. **Pediatr Radiol** 1987; 17(3):250–1

Ultrasonography and computed tomography for diagnosis and follow-up of biliary duct rhabdomyosarcomas in children. Geoffray A, et al. **Pediatr Radiol** 1987; 17(2):127–31

Ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children. Geoffray A, et al. **Pediatr Radiol** 1987;17(2):132–6

Factors leading to delay in the diagnosis and affecting survival of children with head and neck rhabdomyosarcoma. Pratt CB, et al. **Pediatrics** 1978 Jan; 61(1):30–4

[Uses of a hematoporphyrin derivative for intra-operative localization of bone and soft tissue tumors] Lu SB. **Chung Hua I Hsueh Tsa Chih** 1987 Feb;67(2):70–1 (Eng. Abstr.) **(Chi)**

[Special tumors of childhood] Harms D, et al. **Verh Dtsch Ges Pathol** 1986;70:190–204 (Eng. Abstr.) **(Ger)**

[Unusual course of a case of urethral rhabdomyosarcoma in a 10-year-old boy] D'Avanzo M, et al. **Pediatr Med Chir** 1986 Sep-Oct;8(5):721–3 (Eng. Abstr.) **(Ita)**

[A case of rhabdomyosarcoma—immunohistochemical study] Miyake M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec;34(12):2134–7 (Eng. Abstr.) **(Jpn)**

[Infarct-like EKG in a primary tumor of the heart—rhabdomyosarcoma] Mokhova LF, et al. **Ter Arkh** 1986;58(11):129–30 **(Rus)**

[Rhabdomyosarcoma of the right atrium: presentation of a case] Barriales V, et al. **Rev Esp Cardiol** 1986 Jul-Aug; 39(4):314–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Phase II trial of cisplatin and etoposide in children with advanced soft tissue sarcoma: a report from the Italian Cooperative Rhabdomyosarcoma Group. Carli M, et al. **Cancer Treat Rep** 1987 May;71(5):525–7

Scheduling of vincristine: drug accumulation and response of xenografts of childhood rhabdomyosarcoma determined by frequency of administration. Houghton JA, et al. **Cancer Treat Rep** 1987 Jul-Aug;71(7–8):717–21

Intensive chemotherapy including cisplatin with or without etoposide for children with soft-tissue sarcomas. Crist WM, et al. **Med Pediatr Oncol** 1987;15(2):51–7

[Intra-arterial chemotherapy of soft tissue sarcoma in children] Hatae Y, et al. **Gan To Kagaku Ryoho** 1986 Oct; 13(11):3271–5 (Eng. Abstr.) **(Jpn)**

[Clinical trials of combination chemotherapy using cis-platinum with aclarubicin in intracranial rhabdomyosarcoma] Wakabayashi T, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2374–7 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Increased activities of creatine kinase and lactate dehydrogenase isoenzymes in a patient with metastatic ovarian tumor. Ng RH, et al. **Clin Chem** 1987 Aug; 33(8):1484–5

[Changes in the activity of lactate dehydrogenase isoformes in mouse rhabdomyosarcoma under different proliferation conditions] Grigor'eva EG, et al. **Tsitologiia** 1986 Sep; 28(9):970–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Adrenal-cell carcinoma and rhabdomyosarcoma occurring in father and daughter: "SBLA" syndrome?Tomlinson MJ, et al. **Br J Radiol** 1987 Jan;60(709):89–90

Translocation (2;13)(q37;q14) in rhabdomyosarcoma: a new case [letter] Lai JL, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):371–2

Translocation (2;13)(q37;q14) in alveolar rhabdomyosarcoma: a new case [letter] Lizard-Nacol S, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):373–4

Amplification of N-myc in a rhabdomyosarcoma. Mitani K, et al. **Jpn J Cancer Res** 1986 Nov;77(11):1062–5

[Expression of various cellular oncogenes in rat rhabdomyosarcoma] Novikov LB. **Eksp Onkol** 1987; 9(1):22–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Fetal heavy chain skeletal myosin. An oncofetal antigen expressed by rhabdomyosarcoma. Eusebi V, et al. **Am J Surg Pathol** 1986 Oct;10(10):680–6

Use of anti-skeletal muscle antibody from myasthenic patients in the diagnosis of childhood rhabdomyosarcomas. Om A, et al. **Am J Surg Pathol** 1987 Apr;11(4):272–6

Immunogenic capacity of tum—variants isolated from a rat rhabdomyosarcoma. Pauwels-Vergely C, et al. **Br J Cancer** 1987 Jul;56(1):7–13

METABOLISM

Relationship between binding affinity, retention and sensitivity of human rhabdomyosarcoma xenografts to Vinca alkaloids. Houghton JA, et al. **Biochem Pharmacol** 1987 Jan 1;36(1):81–8

Production of basement membrane laminin and type IV collagen by tumors of striated muscle: an immunohistochemical study of rhabdomyosarcomas of different histologic types and a benign vaginal rhabdomyoma. Autio-Harmainen H, et al. **Hum Pathol** 1986 Dec;17(12):1218–24

On the mechanism of gallium accumulation in tumours. Isolation of N-hydroxypeptides. Herscheid JD, et al. **Int J Rad Appl Instrum [B]** 1986;13(1):63–5

alpha-Fetoprotein-mediated transfer of arachidonic acid into cultured cloned cells derived from a rat rhabdomyosarcoma. Uriel J, et al. **J Biol Chem** 1987 Mar 15;262(8):3579–85

Myosin isoform expression in rat rhabdomyosarcoma induced by Moloney murine sarcoma virus. Azzarello G, et al. **J Cancer Res Clin Oncol** 1987;113(5):417–29

Orbital rhabdomyosarcoma: case report with immunohistochemical detection of muscle cell type intermediate filament proteins. Hirashima S, et al. **Jpn J Ophthalmol** 1986;30(4):461–71

Immunohistochemical study of embryonic rhabdomyosarcomas. Garrido CM, et al. **Ophthalmologica** 1986;193(3):154–9

Basic fibroblast growth factor in human rhabdomyosarcoma cells: implications for the proliferation and neovascularization of myoblast-derived tumors. Schweigerer L, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):842–6

MORTALITY

Primary site as a prognostic variable for children with pelvic soft tissue sarcomas. Raney B Jr, et al. **J Urol** 1986 Oct; 136(4):874–8

Childhood rhabdomyosarcoma in Hungary. Kardos G, et al. **Neoplasma** 1987;34(2):217–22

OCCURRENCE

Infants younger than 1 year of age with rhabdomyosarcoma. Ragab AH, et al. **Cancer** 1986 Dec 15;58(12):2606–10

Pelvic rhabdomyosarcoma: a review of the RPMI experience. Nseyo UO, et al. **Urology** 1986 Dec;28(6):456–61

PATHOLOGY

Embryonal rhabdomyosarcoma in nude mice and in vitro. Motoyama T, et al. **Acta Pathol Jpn** 1986 Oct; 36(10):1495–505

Exfoliative cytopathology of alveolar rhabdomyosarcoma. Nishikawa A, et al. **Acta Pathol Jpn** 1987 Jun;37(6):1003–7

The in vitro growth, heterotransplantation, and differentiation of a human rhabdomyosarcoma cell line. Garvin AJ, et al. **Am J Pathol** 1986 Oct;125(1):208–17

Rhabdomyosarcoma in children. Correlation of form and prognosis in one institution's experience. Hawkins HK, et al. **Am J Surg Pathol** 1987 Jul;11(7):531–42

The occurrence of sarcomatous components in primary mediastinal germ cell tumors. Manivel C, et al. **Am J Surg Pathol** 1986 Oct;10(10):711–7

Orbital rhabdomyosarcoma. Shields JA, et al. **Arch Ophthalmol** 1987 May;105(5):700–1

RMZ: a new cell line from a human alveolar rhabdomyosarcoma. In vitro expression of embryonic myosin. Nanni P, et al. **Br J Cancer** 1986 Dec;54(6):1009–14

Pure testicular rhabdomyosarcoma. Kumar PV, et al. **Br J Urol** 1987 Mar;59(3):282

Laryngeal rhabdomyosarcoma. Case report and literature review. Dodd-o JM, et al. **Cancer** 1987 Mar 1;59(5):1012–8

Pathology of fatal rhabdomyosarcoma. Report from Intergroup Rhabdomyosarcoma Study (IRS-I and IRS-II). Shimada H, et al. **Cancer** 1987 Feb 1;59(3):459–65

Influence of uremia on the development of rhabdomyosarcoma in the rat [letter] Dubois M, et al. **Cancer Invest** 1986;4(5):477–9

Characterization of cell lines derived from xenografts of childhood rhabdomyosarcoma. Hazelton BJ, et al. **Cancer Res** 1987 Aug 15;47(16):4501–7

Alveolar rhabdomyosarcoma with cerebral and cerebellar metastases and subarachnoidal bleeding: a case report. Andersen-Ranberg F, et al. **Clin Neuropathol** 1987 May-Jun;6(3):120–2

Soft tissue sarcoma in Kuwait: a review of 114 patients. Jameel Ahmed M, et al. **Clin Radiol** 1987 Jan;38(1):27–9

Fine-needle aspiration cytology of prostatic embryonal rhabdomyosarcoma: a case report. Henkes DN, et al. **Diagn Cytopathol** 1987 Jun;3(2):163–5

Nasopharyngeal malignancies in children. Bleichner JC, et al. **Ear Nose Throat J** 1987 Apr;66(4):148–53

Nasopharyngeal rhabdomyosarcoma in an adult with intracranial and intraorbital extension. DelBalso AM, et al. **Ear Nose Throat J** 1986 Sep;65(9):45–9

Heterotransplantation of mixed mesodermal tumor cells in nude mouse—histology of metastatic foci. Ishiwata I, et al. **Gynecol Oncol** 1987 Jun;27(2):189–96

Embryonal rhabdomyosarcoma of the uterine corpus and cervix. Montag TW, et al. **Gynecol Oncol** 1986 Oct; 25(2):171–94

Rhabdomyosarcoma of the middle ear. Sisodia SM, et al. **Indian J Pediatr** 1986 Jan-Feb;53(1):119–21

Prognostic significance of staging factors of the UICC staging system in childhood rhabdomyosarcoma: a report from the Intergroup Rhabdomyosarcoma Study (IRS-II). Lawrence W Jr, et al. **J Clin Oncol** 1987 Jan;5(1):46–54

Clinical staging in rhabdomyosarcoma: current limitations and future prospects [editorial] Pizzo PA, et al. **J Clin Oncol** 1987 Jan;5(1):8–9

Rhabdomyosarcoma of the head and neck in children: the experience at the Children's Hospital of Philadelphia [clinical conference] Months SR, et al. **Med Pediatr Oncol** 1986;14(5):288–92

Rhabdomyosarcomatous component in dedifferentiated chondrosarcoma. Niezabitowski A, et al. **Pathol Res Pract** 1987 Apr;182(2):275–82

Primitive neuroectodermal tumor. Hedley-Whyte ET. **Pediatr Pathol** 1987;7(1):85–90

Renal and extrarenal rhabdoid tumors in children: a

clinicopathologic study of 14 patients. Sotelo-Avila C, et al. **Semin Diagn Pathol** 1986 May;3(2):151-63
Disseminated rhabdomyosarcoma of the urinary bladder in an adult. Zarabi CM, et al. **South Med J** 1987 Apr; 80(4):526-9
Rhabdomyosarcoma of the diaphragm in a 4-year-old girl. Federici S, et al. **Z Kinderchir** 1986 Oct;41(5):303-5
[Sarcoma botryoides in childhood (a clinical case report)] Goranov M, et al. **Akush Ginekol (Sofiia)** 1987;26(1):47-9 **(Bul)**
[Embryonal rhabdomyosarcoma of the uterine cervix in a 20-year-old woman] Suk K, et al. **Cesk Gynekol** 1987 Feb; 52(1):52-3 **(Cze)**
[A case of palpebral pleomorphic rhabdomyosarcoma in an adult] George JL, et al. **Bull Soc Ophtalmol Fr** 1986 Mar; 86(3):359-62 (Eng. Abstr.) **(Fre)**
[Two cases of paratesticular rhabdomyosarcoma] Seguchi T, et al. **Hinyokika Kiyo** 1987 Apr;33(4):617-24 (Eng. Abstr.) **(Jpn)**
[A case of intrascrotal rhabdomyosarcoma] Yokozeki H, et al. **Hinyokika Kiyo** 1987 Apr;33(4):625-8 (Eng. Abstr.) **(Jpn)**
[Botryoid sarcoma of the vagina. Presentation of a case surviving 10 years] Cáceres Díaz C, et al. **Rev Esp Oncol** 1985;32(2):301-6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Single acetylcholine-activated channels in cultured rhabdomyoblasts. Grassi F, et al. **Exp Cell Res** 1987 Aug; 171(2):498-502
[15-year development of a rhabdomyosarcoma of the thigh] Valette H, et al. **Chirurgie** 1986;112(9):646-9 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Imaging of rhabdomyosarcomas of the head and neck. Latack JT, et al. **AJNR** 1987 Mar-Apr;8(2):353-9
Orbital rhabdomyosarcoma in childhood. Vade A, et al. **Radiol Clin North Am** 1987 Jul;25(4):701-14
[Two cases of primary hepatic rhabdomyosarcoma in adults] Shibata T, et al. **Rinsho Hoshasen** 1987 May;32(5):653-6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Scintigraphic detection of rhabdomyosarcoma [letter] Hoefnagel CA, et al. **Lancet** 1987 Apr 18;1(8538):921

RADIOTHERAPY

Radiation recall and radiosensitization with alkylating agents [letter] Kellie SJ, et al. **Lancet** 1987 May 16;1(8542):1149-50
2-Chloro-4-nitroimidazole radiosensitizers of hypoxic tumor cells in vivo. Watras J, et al. **Neoplasma** 1987;34(3):253-9
Radiation and chemotherapy of parameningeal rhabdomyosarcoma involving the orbit. Haik BG, et al. **Ophthalmology** 1986 Aug;93(8):1001-9
Testicle transposition in children who undergo low-pelvic or scrotal irradiation. Cheng BS, et al. **Urology** 1987 May; :39-41
[Clonal analysis as a method of prognostication of tumor response to irradiation] Ismailov BI. **Med Radiol (Mosk)** 1986 Dec;31(12):41-7 **(Rus)**

SECRETION

Human A673 cells secrete high molecular weight EGF-receptor binding growth factors that appear to be immunologically unrelated to EGF or TGF-alpha. Stromberg K, et al. **J Cell Biochem** 1986;32(4):247-59

SURGERY

Lymphatic metastases with childhood rhabdomyosarcoma. A report from the Intergroup Rhabdomyosarcoma Study. Lawrence W Jr, et al. **Cancer** 1987 Aug 15;60(4):910-5
Rhabdomyosarcoma of the soft palate in three patients with follow-up of longer than ten years. Dal Maso M, et al. **Head Neck Surg** 1986 Sep-Oct;9(1):46-50
Modern treatment of vaginal embryonal rhabdomyosarcoma. Friedman M, et al. **Obstet Gynecol Surv** 1986 Oct; 41(10):614-8 (31 ref.)
[Rhabdomyosarcoma of the jejunum. Clinical case] Surfaro O, et al. **Minerva Chir** 1986 Nov 15;41(21):1835-9 (Eng. Abstr.) **(Ita)**
[Primary malignant cardiac tumors: a report of four cases] Saigenji H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):1974-9 (Eng. Abstr.) **(Jpn)**

THERAPY

Solid malignant tumors in children: an experience with 506 cases. Vane DW, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:197-216
Rhabdomyosarcoma of the uterine cervix. Sarcoma botryoides. Brand E, et al. **Cancer** 1987 Oct 1;60(7):1552-60
Hepatic undifferentiated (embryonal) sarcoma and rhabdomyosarcoma in children. Results of therapy. Horowitz ME, et al. **Cancer** 1987 Feb 1;59(3):396-402
Alveolar rhabdomyosarcoma of the larynx: case report and literature review. Haerr RW, et al. **Laryngoscope** 1987 Mar; 97(3 Pt 1):339-44 (29 ref.)
Localized orbital rhabdomyosarcoma. An interim report of the Intergroup Rhabdomyosarcoma Study Committee. Wharam M, et al. **Ophthalmology** 1987 Mar;94(3):251-4
Dielectric properties of Co-gamma-irradiated and microwave-heated rat tumour and skin measured in vivo between 0.2 and 2.4 GHz. Zywietz F, et al. **Phys Med Biol** 1986 Sep;31(9):1021-9
[Rhabdomyosarcoma of the female genitalia] Peng JJ, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1986 Jul;21(4):245-7 (17 ref.) **(Chi)**
[Results of a prospective study of the treatment of rhabdomyosarcoma in childhood] Willnow U, et al. **Kinderarztl Prax** 1986 Dec;54(12):661-7 (Eng. Abstr.) **(Ger)**
[Treatment of rhabdomyosarcoma at the National Cancer Center Hospital] Beppu Y, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1603-13 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Primary pulmonary rhabdomyosarcoma of the lung in children. Report of two cases presenting with spontaneous pneumothorax. Allan BT, et al. **Cancer** 1987 Mar 1; 59(5):1005-11
Small-cell pediatric tumors: histology, immunohistochemistry, and electron microscopy. Schmidt D, et al. **Clin Lab Med** 1987 Mar;7(1):63-89
Malignant rhabdoid tumour of soft tissue. An ultrastructural and immunohistological study of a pelvic tumour. Dervan PA, et al. **Histopathology** 1987 Feb;11(2):183-90
Extraosseous Ewing's sarcoma versus primitive rhabdomyosarcoma: diagnostic criteria and clinical correlation. Dickman PS, et al. **Hum Pathol** 1986 Sep; 17(9):881-93
The ultrastructural distinction between rhabdomyosarcoma and other undifferentiated "sarcomas" Erlandson RA. **Ultrastruct Pathol** 1987;11(2-3):83-101

RHABDOVIRIDAE

Haemagglutination of Adelaide River virus, a member of the bovine ephemeral fever group of viruses. Shorthose JE, et al. **Aust Vet J** 1986 Jul;63(7):236

CLASSIFICATION

Occurrence of different types of infectious hematopoietic necrosis virus in fish. Hsu YL, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1353-61
A comparison of a Chinese and an Australian strain of bovine ephemeral fever virus. Tian FG, et al. **Aust Vet J** 1987 May;64(5):159

DRUG EFFECTS

The synergism of nucleoside antibiotics combined with guanine 7-N-oxide against a rhabdovirus, infectious hematopoietic necrosis virus (IHNV). Hasobe M, et al. **J Antibiot (Tokyo)** 1986 Sep;39(9):1291-7

GENETICS

Transcription in vitro of infectious haematopoietic necrosis virus, a fish rhabdovirus. Kurath G, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1767-71
Nucleotide sequence of a cDNA clone carrying the glycoprotein gene of infectious hematopoietic necrosis virus, a fish rhabdovirus. Koener JF, et al. **J Virol** 1987 May;61(5):1342-9
Transcription and replication of rhabdoviruses [published erratum appears in Microbiol Rev 1987 Jun;51(2):299] Banerjee AK. **Microbiol Rev** 1987 Mar;51(1):66-87 (248 ref.)
Sequences of Chandipura virus N and NS genes: evidence for high mutability of the NS gene within vesiculoviruses. Masters PS, et al. **Virology** 1987 Apr;157(2):298-306
Identification and analysis of Ebola virus messenger RNA. Sanchez A, et al. **Virology** 1987 Apr;157(2):414-20

IMMUNOLOGY

Homologous and heterologous antibody reactions in sera from cattle naturally infected with bovine ephemeral fever group viruses. Cybinski DH. **Vet Microbiol** 1987 Jan; 13(1):1-9
[Immunoenzyme (ELISA) diagnosis of spring viremia in carp] Rodák L, et al. **Vet Med (Praha)** 1986 Aug; 31(8):505-12 (Eng. Abstr.) **(Cze)**

ISOLATION & PURIFICATION

Isolation of a new rhabdovirus in Australia related to Tibrogargan virus. Cybinski DH, et al. **Aust J Biol Sci** 1986;39(3):225-32
Rhabdovirus-like particles in the sporocyst of the trematode Brachylaimus fuscatus from terrestrial mollusc Ponsadenia duplocincta. Zdárská Z, et al. **Folia Parasitol (Praha)** 1986; 33(3):277-9

RHAMNOSE

ANALOGS & DERIVATIVES

NMR evidence for the unexpected interconversion of 2-deoxy-2-fluoro-D-glucose and 2-deoxy-2-fluoro-D-mannose in mice. Kanazawa Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):895-7
Stereospecific approach to the synthesis of [18F]2-deoxy-2-fluoro-D-mannose. Luxen A, et al. **Int J Rad Appl Instrum [A]** 1986;37(5):409-13
Synthesis and purification of 2-deoxy-2-[18F]fluoro-D-glucose and 2-deoxy-2-[18F]fluoro-D-mannose: characterization of products by 1H- and 19F-NMR spectroscopy. Oberdorfer F, et al. **Int J Rad Appl Instrum [A]** 1986;37(8):695-701

ANALYSIS

Structure of a rhamnan from the surface-layer glycoprotein of Bacillus stearothermophilus strain NRS 2004/3a. Christian R, et al. **Carbohydr Res** 1986 Aug 1;150:265-72
Characterization of a polysaccharide component of lipopolysaccharide from Pseudomonas aeruginosa IID 1008 (ATCC 27584) as D-rhamnan. Yokota S, et al. **Eur J Biochem** 1987 Sep 1;167(2):203-9
Rhamnolipid of Pseudomonas aeruginosa in sputum of cystic fibrosis patients [letter] Kownatzki R, et al. **Lancet** 1987 May 2;1(8540):1026-7

METABOLISM

Intestinal malabsorption in cystic fibrosis. Penny DJ, et al. **Arch Dis Child** 1986 Nov;61(11):1127-8
NAD-linked aldehyde dehydrogenase for aerobic utilization of L-fucose and L-rhamnose by Escherichia coli. Chen YM, et al. **J Bacteriol** 1987 Jul;169(7):3289-94
Cross-induction of the L-fucose system by L-rhamnose in Escherichia coli. Chen YM, et al. **J Bacteriol** 1987 Aug; 169(8):3712-9
Lysogenic conversion of Salmonella typhimurium bacteriophages A3 and A4 consists of O-acetylation of rhamnose of the repeating unit of the O-antigenic polysaccharide chain. Wollin R, et al. **J Bacteriol** 1987 Mar; 169(3):1003-9
Lactulose-rhamnose intestinal permeability in children with cystic fibrosis. Leclercq-Foucart J, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan-Feb;6(1):66-70

RHENIUM

DIAGNOSTIC USE

99mTc-DTPA and 99mTc-rhenium sulfur aerosol compared as adjuncts to perfusion scintigraphy in patients with suspected pulmonary embolism. Peltier P, et al. **Eur J Nucl Med** 1986;12(5-6):254-7
Indirect cervical lymphoscintigraphy in healthy subjects via submucosal cheek injections. Zwas ST, et al. **Int J Rad Appl Instrum [B]** 1986;13(6):633-7
[Dual tracer scintigraphy using 99mTc-rhenium-colloid and 67Ga-citrate (I): A basic investigation and clinical evaluation] Maruo N, et al. **Kaku Igaku** 1986 Aug; 23(8):1009-18 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The chemistry of rhenium and technetium as related to the use of isotopes of these elements in therapeutic and diagnostic nuclear medicine. Deutsch E, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):465-77
Radiolabeled biomolecules with 186Re: potential for radioimmunotherapy. Quadri SM, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):447-51

RHEOGRAPHY see **PLETHYSMOGRAPHY, IMPEDANCE**

RHEOLOGY

see related

FLOWMETERS

II Symposium on Clinical Haemorheology. Part III. Clinical approach. Lisbon, October 12-13, 1984. Proceedings. **Acta Med Port** 1986 Sep-Dec;7(5-6):S36-100
Blood rheology in diabetes mellitus. Barnes HJ. **Acta Med Port** 1986 Sep-Dec;7(5-6):S36-9
The MR appearance of CSF pulsations in the spinal canal. Sherman JL, et al. **AJNR** 1986 Sep-Oct;7(5):879-84
CSF pulsations within nonneoplastic spinal cord cysts. Enzmann DR, et al. **AJR** 1987 Jul;149(1):149-57
Use of standard gradients with compound oblique angulation for optimal quantitative MR flow imaging in oblique vessels. Pettigrew RI, et al. **AJR** 1987 Feb;148(2):405-9
Dyke award. Imaging of spinal CSF pulsation by 2DFT MR: significance during clinical imaging. Rubin JB, et al. **AJR** 1987 May;148(5):973-82
Dyke award. Harmonic modulation of proton MR precessional phase by pulsatile motion: origin of spinal CSF flow phenomena. Rubin JB, et al. **AJR** 1987 May; 148(5):983-94
Flow through intravenous cannulae. Kestin IG. **Anaesthesia** 1987 Jan;42(1):67-70
Pulse oximetry and circulatory kinetics associated with pulse volume amplitude measured by photoelectric plethysmography. Kim JM, et al. **Anesth Analg** 1986 Dec; 65(12):1333-9
Hemorheology in surgery--a review. Müller R, et al. **Angiology** 1987 Aug;38(8):581-92 (38 ref.)
Simulation in vitro of pulsatile vascular hemodynamics using a CAD/CAM-designed cam disc and roller follower. Brant

AM, et al. **Artif Organs** 1986 Oct;10(5):419–21
Abstention from chronic cigarette smoking normalizes blood rheology. Ernst E, et al. **Atherosclerosis** 1987 Mar; 64(1):75–7
A comparison of five mechanical heart valves investigated in a pulse duplicator system with flexible vessels. Heiliger R, et al. **Biomed Tech (Berlin)** 1987 Jan–Feb;32(1–2):9–15
Abstracts. Sixth International Congress of Biorheology. Vancouver, British Columbia, Canada, 27 July–1 August, 1986. **Biorheology** 1986;23(3):161–305
Abstracts. Biorheology section, 2nd Conference of European Rheologists. Prague, Czechoslovakia, 17–20 June 1986. **Biorheology** 1986;23(2):149–58
On the scope of the science of biorheology and the aims of BIORHEOLOGY [editorial] Silberberg A, et al. **Biorheology** 1986;23(4):307–9
Developments in red cell rheology at the Institut de Pathologie Cellulaire. Evans E, et al. **Blood Cells** 1986; 12(1):43–56 (39 ref.)
Spinability of respiratory mucous. Validation of a new apparatus: the Filancemeter. Zahm JM, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):609–13
Beta-adrenoceptor blockade, platelets, and rheologic factors. Winther K, et al. **Cephalalgia** 1986;6 Suppl 5:33–9
Dynamic changes of cerebrospinal fluid shunt flow in patient's daily life. Matsumae M, et al. **Childs Nerv Syst** 1987;3(1):30–4
"Architextured" fluid management of biological liquids. Columbus RL, et al. **Clin Chem** 1987 Sep;33(9):1531–7
Assessment of whole blood viscosity: a new technique. Schwartz JA, et al. **Curr Surg** 1986 Nov–Dec;43(6):470–3
The contribution of haemorheology to the understanding of microcirculatory disorders. An introductory overview. Teitel P. **Drugs** 1987;33 Suppl 2:5–11
Aortic valve orifice equation independent of valvular flow intervals: application to aortic valve area computation in aortic stenosis and comparison with the Gorlin formula. Seitz W, et al. **Eur Heart J** 1986 Dec;7(12):1022–9
Alterations in rheologic properties of stored blood as criterion of the functional state of erythrocytes in haemocarboperfusion. Nicolaev VG, et al. **Folia Haematol (Leipz)** 1986;113(6):790–8
"Normal" values in hemorrheology.Ernst E, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):195–9
Contractions of postmortem human saphenous veins perfused with pulsatile flow. Iino T, et al. **Heart Vessels** 1986; 2(3):154–60
Doppler ultrasound examination of prosthetic function and ventricular blood flow after mitral valve replacement. Omoto R, et al. **Herz** 1986 Dec;11(6):346–50
Doppler assessment of aortic regurgitation. Correlation with hemodynamics and angiography. Shah PM. **Herz** 1986 Dec; 11(6):318–22
The role of hemorheology in the pathophysiology and treatment of arterial occlusive disease. Rieger H. **Int Angiol** 1986 Jul–Sep;5(3):161–7
Flow analysis for optimal configuration of hemoperfusion device. Chang V, et al. **Int J Artif Organs** 1987 Mar; 10(2):115–20
An investigation of particle flow through capillary models with the resistive pulse technique. Frank RS, et al. **J Biomech Eng** 1987 May;109(2):103–9
A note on the relationship between input flow waveform and wall shear rate in pulsatile, separating flows. Giddens DP, et al. **J Biomech Eng** 1987 May;109(2):175–6
An experimental study of Newtonian and non-Newtonian flow dynamics in a ventricular assist device. Mann KA, et al. **J Biomech Eng** 1987 May;109(2):139–47
Analysis of pulsatile blood flow: a carotid siphon model. Perktold K, et al. **J Biomed Eng** 1987 Jan;9(1):46–53
Monitoring of somatosensory evoked potentials during surgical procedures on the thoracoabdominal aorta. II. Use of somatosensory evoked potentials to assess adequacy of distal aortic bypass and perfusion after thoracic aortic cross-clamping. Laschinger JC, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):266–70
Effects of pulsatile reperfusion on postischemic recovery of myocardial function after global hypothermic cardiac arrest. Mori F, et al. **J Thorac Cardiovasc Surg** 1987 May; 93(5):719–27
Factors influencing in vitro sieving of blood in cerebrovascular accidents. Clinical significance and therapeutic strategy. Boisseau MR, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1053–7
Haemorheological influences on platelet thrombogenesis. Born GV. **Klin Wochenschr** 1986 Oct 15;64(20):1050–3
Vascular endothelial stress fibres: their potential role in protecting the vessel wall from rheological damage. Drenckhahn D, et al. **Klin Wochenschr** 1986 Oct 1; 64(19):986–8
Stress fibres (SF) in human endothelial cells (HEC) under shear stress. Franke RP, et al. **Klin Wochenschr** 1986 Oct 1;64(19):989–92
Rheological studies on patients with pregnancy-induced hypertension (PIH). Heilmann L. **Klin Wochenschr** 1986 Oct 15;64(20):1070–6
Comparative investigation of the microcirculation in patients with hypertension and healthy adults. Jung F, et al. **Klin Wochenschr** 1986 Oct 1;64(19):956–61
Microcirculation and hemorheology of children with type I diabetes. Kiesewetter H, et al. **Klin Wochenschr** 1986 Oct 1;64(19):962–8
Hematocrit as a risk factor for vascular disease. Kiesewetter H, et al. **Klin Wochenschr** 1986 Oct 1;64(19):974–8
Studies on haematocrit in peripheral arterial disease. Lowe GD, et al. **Klin Wochenschr** 1986 Oct 1;64(19):969–74
A comparison of five methods for estimating red cell aggregation. Rampling MW, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1084–8
Erythrocyte rigidity in healthy patients and patients with cardiovascular disease risk factors. Roggenkamp HG, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1091–6
Intrinsic factors that influence measurement of erythrocyte deformability. Stuart J. **Klin Wochenschr** 1986 Oct 15; 64(20):1088–91
On haemodilution therapy for patients with sudden loss of hearing: clinical and rheological results. Wilhelm HJ, et al. **Klin Wochenschr** 1986 Oct 15;64(20):1058–61
Analysis of spin-echo rephasing with pulsatile flow in 2D FT magnetic resonance imaging. Katz J, et al. **Magn Reson Med** 1987 Apr;4(4):307–22
In vitro ultrasonic imaging of flow through prosthetic heart valves. Gels GC, et al. **Med Instrum** 1987 Apr;21(2):66–74
The near-wall excess of platelet-sized particles in blood flow: its dependence on hematocrit and wall shear rate. Tilles AW, et al. **Microvasc Res** 1987 Mar;33(2):211–23
Pulsatile versus nonpulsatile blood flow in the treatment of acute cerebral ischemia. Tranmer BI, et al. **Neurosurgery** 1986 Nov;19(5):724–31
Transport phenomena in pulsating post-stenotic vortex flow in arteries. An interactive concept of fluid-dynamic, haemorheological and biochemical processes in white thrombus formation. Schmid-Schönbein H, et al. **Nouv Rev Fr Hematol** 1986;28(5):257–67 (50 ref.)
Red cell and hemorheological changes in multiple sclerosis. Simpson LO, et al. **Pathology** 1987 Jan;19(1):51–5
Flow through S-shaped glass models simulating arterial tortuosities. Stehbens WE, et al. **Q J Exp Physiol** 1987 Apr;72(2):201–13
Multiphasic MR imaging: a new method for direct imaging of pulsatile CSF flow. Edelman RR, et al. **Radiology** 1986 Dec;161(3):779–83
Cerebrospinal fluid pulsation: benefits and pitfalls in MR imaging. Enzmann DR, et al. **Radiology** 1986 Dec; 161(3):773–8
Leukocyte rheology in recent stroke. Ernst E, et al. **Stroke** 1987 Jan–Feb;18(1):59–62
[Fifth congress, French Society of Biorheology. Paris, France, 5–6 March 1986. Abstracts] **Biorheology** 1986; 23(2):121–48 **(Fre)**
[Biophysical studies of blood products within the scope of the development of a blood component therapy program for surgical practice] Wilms K, et al. **Anaesthesiol Reanim** 1986;11(6):319–30 (Eng. Abstr.) **(Ger)**
[Model trials of flow relations in heart aneurysm] Brandt A, et al. **Biomed Tech (Berlin)** 1987 Mar;32(3):46–50 (Eng. Abstr.) **(Ger)**
[Stationary and pulsating flow in an artificial model of arterial stenosis] Tsangaris S, et al. **Biomed Tech (Berlin)** 1987 Jan–Feb;32(1–2):2–8 (Eng. Abstr.) **(Ger)**
[Graphic imaging of pulsating objects using fluoroscopy units, evaluation of the technic in humans] Walter E, et al. **Biomed Tech (Berlin)** 1987 Jan–Feb;32(1–2):16–21 (Eng. Abstr.) **(Ger)**
[Rheologic properties of bile and their possible significance for lithogenesis] Gottschalk M. **Dtsch Z Verdau Stoffwechselkr** 1986;46(6):323–6 (Eng. Abstr.) **(Ger)**
[Hemorheologic effects of nitroglycerin. A placebo-controlled double-blind study] Ernst E, et al. **Fortschr Med** 1986 Dec 11;104(46):957–60 (Eng. Abstr.) **(Ger)**
[Therapy with hemorheologic considerations. 2: Rheologic agents] Ernst E. **Fortschr Med** 1987 Feb 10;105(4):69–72 (Eng. Abstr.) **(Ger)**
[Peripheral arterial circulatory disorders. Mechanism of the effect and value of various therapeutic procedures] Pöhlmann G. **Fortschr Med** 1987 May 20;105(15):293–6 (Eng. Abstr.) **(Ger)**
[Rheology of the normal and pathologic blood supply to the microscopic blood vessels of the conjunctiva] Schmid-Schönbein H, et al. **Fortschr Ophthalmol** 1986; 83(4):377–88 (Eng. Abstr.) **(Ger)**
[Measuring blood flow in microsurgically revascularized, immunosuppressed segmental allogeneic bone transplants using laser Doppler flowmetry] Schwarzenbach O, et al. **Handchir Mikrochir Plast Chir** 1987 Mar;19(2):84–7 (Eng. Abstr.) **(Ger)**
[Doppler echocardiography determination of the severity of tricuspid valve stenosis] Dennig K, et al. **Herz** 1986 Dec; 11(6):332–6 (Eng. Abstr.) **(Ger)**
[Doppler echocardiography determination of the orifice area in aortic valve stenosis using a continuity equation] Dennig K, et al. **Herz** 1986 Dec;11(6):309–17 (Eng. Abstr.) **(Ger)**
[Noninvasive determination of the orifice area of aortic valve prostheses using Doppler echocardiography] Dennig K, et al. **Herz** 1986 Dec;11(6):341–5 (Eng. Abstr.) **(Ger)**
[Determination of the severity of tricuspid valve insufficiency using Doppler echocardiography] Jacksch R, et al. **Herz** 1986 Dec;11(6):337–40 (Eng. Abstr.) **(Ger)**
[Doppler echocardiography determination of the pressure gradient and valve orifice area in mitral valve stenosis] Kraus F, et al. **Herz** 1986 Dec;11(6):323–6 (Eng. Abstr.) **(Ger)**
[Noninvasive determination of stroke volume with impulse Doppler echocardiography: comparison with the Fick method] Strauss AL, et al. **Herz** 1986 Oct;11(5):269–76 (Eng. Abstr.) **(Ger)**
[Need for rheologically active, vasoactive and metabolically active substances in the initial treatment of acute acoustic trauma] Pilgramm M, et al. **HNO** 1986 Oct;34(10):424–8 (Eng. Abstr.) **(Ger)**
[5th meeting of the German Society for Clinical Hemorrheology. 7–8 November 1986, Marburg/Lahn. Abstracts] **Klin Wochenschr** 1986 Oct 31;64(21):1145–63 **(Ger)**
[Predictor function of hemorheologic parameters with reference to the incidence of manifest circulatory disorders: Concept of the Aachen study] Kiesewetter H, et al. **Klin Wochenschr** 1986 Jul 15;64(14):653–62 (Eng. Abstr.) **(Ger)**
[Interaction of the vascular wall, cerebral blood flow and hemorheology in patients with cerebrovascular insufficiency] Lechner H, et al. **Nervenarzt** 1987 Mar; 58(3):187–9 **(Ger)**
[Clinical interpretation of retinal circulatory measurements. II. Blood flow] Vilser W, et al. **Ophthalmologica** 1986; 193(1–2):88–96 (Eng. Abstr.) **(Ger)**
[Transcutaneous pO2 and laser Doppler flux in increasing doses of intraarterial and intravenously administered prostaglandin E1] Creutzig A, et al. **Vasa** 1987;16(2):114–8 (Eng. Abstr.) **(Ger)**
[Behavior of tissue oxygen pressure and flow properties of blood in patients with intermittent claudication following infusion of 500 ml of a 6% hydroxyethyl starch solution in comparison to physiologic saline solution] Ehrly AM, et al. **Vasa** 1987;16(2):103–13 (Eng. Abstr.) **(Ger)**
[Hemorheologic variables in manifest arterial vascular diseases] Ernst E, et al. **Vasa** 1986;15(4):365–72 (Eng. Abstr.) **(Ger)**
[Effect of balneotherapeutic measures on blood rheologic parameters in patients with atherosclerosis] Winkler R, et al. **Wien Klin Wochenschr** 1986 Aug 8;98(15):490–5 (Eng. Abstr.) **(Ger)**
[Whole blood viscosity in patients with acral arterial occlusive diseases and their modification by rheologically active drugs] Runge E, et al. **Z Gesamte Inn Med** 1987 Mar 1;42(5):137–41 (Eng. Abstr.) **(Ger)**
[Hemorheologic studies for evaluating microcirculation in patients with peripheral arterial circulatory disorders and diabetes mellitus] Sternitzky R, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):539–42 (Eng. Abstr.) **(Ger)**
[Objectivation of the rheologic and hemodynamic and metabolic effects of ultraviolet irradiation of autologous venous blood in Fontaine type II–IV peripheral arterial occlusive disorders] Zwiener U, et al. **Z Gesamte Inn Med** 1987 Jan 15;42(2):44–50 (Eng. Abstr.) **(Ger)**
[The condition of systemic and organ blood circulation in patients with frostbite] Kotelnikow WP, et al. **Zentralbl Chir** 1987;112(4):261–9 (Eng. Abstr.) **(Ger)**
[Significance of various atypical oscillographic pictures] Guarraggi F, et al. **Minerva Cardioangiol** 1986 Dec; 34(12):767–9 (Eng. Abstr.) **(Ita)**
[Instrumentation physics in medicine: blood rheology—viscosity and mechanical properties of blood cells] Yamaguchi S, et al. **Iyodenshi To Seitai Kogaku** 1986 Oct;24(6):387–90 **(Jpn)**
[Clinical evaluation of pulsatile perfusion for long cardio-pulmonary bypass] Ishikura Y, et al. **Kyobu Geka** 1987 Mar;40(4):311–5 (Eng. Abstr.) **(Jpn)**
[Rheology of erythrocyte sedimentation] Oka S. **Nippon Rinsho** 1987 May;45(5):1127–35 (20 ref.) **(Jpn)**
[Changes in the blood microcirculation during artificial circulation with pulsating and nonpulsating blood flow based on data from the biomicroscopic study of the bulbar conjunctiva] Bel'kov AV, et al. **Grudn Khir** 1986 Nov–Dec; (6):35–40 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Evaluation of an infrared laser-Doppler blood flowmeter. Shepherd AP, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G832–9
Initial filtration rate in the hemorheometre [letter] Delatour-Hanss E, et al. **Biorheology** 1986;23(2):115–7

METHODS

Photo-reflex-rheographical method in the evaluation of elastocompression. Del Guercio R, et al. **Int J Clin Pharmacol Res** 1986;6(4):325–32
Further improvement of high-speed NMR flow-velocity measurement using a differential phase-encoding technique. Kim YS, et al. **Magn Reson Med** 1987 Mar;4(3):289–96
Flow velocity measurement with ac gradients. Walton JH, et al. **Magn Reson Med** 1987 Mar;4(3):274–81

RHESUS BLOOD-GROUP SYSTEM see **RH-HR BLOOD-GROUP SYSTEM**

RHETINIC ACID see **GLYCYRRHETINIC ACID**

RHEUMATIC FEVER

[Rheumatic fever and other reactive types of arthritis] Vukotić D. **Med Pregl** 1986;39(5–6):255–8 (Eng. Abstr.) **(Scr)**

BLOOD

Low density neutrophils in patients with systemic lupus erythematosus, rheumatoid arthritis, and acute rheumatic fever. Hacbarth E, et al. **Arthritis Rheum** 1986 Nov; 29(11):1334–42

T cell subsets in rheumatic fever in New Caledonia. Garraud O, et al. **Immunol Lett** 1986 Aug;13(1–2):75–7

COMPLICATIONS

Arthritic findings in the hands of Alaska natives with rheumatic heart disease—with presentation of a case of post-rheumatic fever arthropathy. Templin DW. **Alaska Med** 1986 Oct–Dec;28(4):91–5

Pneumonia associated with acute rheumatic fever. Yamamoto LG, et al. **Clin Pediatr (Phila)** 1987 Apr;26(4):198–200

Recurrent abdominal and cervical pains. An unusual clinical presentation of acute rheumatic fever. Lahat E, et al. **Helv Paediatr Acta** 1987 Mar;41(6):549–52

Atlanto-axial dislocation in acute rheumatic fever. Case report. Bicknell JM, et al. **J Neurosurg** 1987 Feb; 66(2):286–9

[Current problems in acute articular rheumatism] Mammì G. **Clin Ter** 1987 Apr 30;121(2):129–32 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

The diagnosis of rheumatic fever—evolution of the Jones criteria. Bhattacharya S, et al. **Int J Cardiol** 1986 Sep; 12(3):285–94

Differentiation of patients with rheumatic fever from those with inactive rheumatic heart disease using the artificial subcutaneous nodule test, myocardial reactive antibodies, serum immunoglobulin and serum complement levels. Bhattacharya S, et al. **Int J Cardiol** 1987 Jan;14(1):71–8

A comparative evaluation of streptozyme test and antistreptolysin O test in acute rheumatic fever. Gupta OP, et al. **J Indian Med Assoc** 1987 Apr;85(4):103–6

[Hepatitis B virus infection in systemic inflammatory connective tissue diseases in children in the light of our observations] Gutowska B, et al. **Pediatr Pol** 1986 Apr; 61(4):239–44 **(Pol)**

[Clinical features of rheumatic fever in the light of Jones' criteria] Zarówny D, et al. **Pediatr Pol** 1986 Apr; 61(4):218–21 (Eng. Abstr.) **(Pol)**

[Improvement in the diagnosis of rheumatism in children at the present time] Kuz'mina NN, et al. **Pediatriia** 1987; (2):9–14 (Eng. Abstr.) **(Rus)**

[Features of the present course of chorea minor in children] Tiurin NA, et al. **Pediatriia** 1987;(2):20–3 **(Rus)**

ETIOLOGY

Acute rheumatic fever and poststreptococcal glomerulonephritis in an open population: comparative studies of epidemiology and bacteriology. Berrios X, et al. **J Lab Clin Med** 1986 Dec;108(6):535–42

The mystery of acute rheumatic fever and poststreptococcal glomerulonephritis [editorial] Denny FW. **J Lab Clin Med** 1986 Dec;108(6):523–4

Acute rheumatic fever in the 1980s. Ruttenberg HD. **Pediatrician** 1986;13(4):180–8

FAMILIAL & GENETIC

[Erythrocyte phenotype in acute rheumatic fever (letter)] Garraud O, et al. **Presse Med** 1987 Jan 24;16(2):79 **(Fre)**

IMMUNOLOGY

Serial studies on the cellular immune response to streptococcal antigens in acute and convalescent rheumatic fever patients in Trinidad. Read SE, et al. **J Clin Immunol** 1986 Nov;6(6):433–41

Detection of C-reactive protein, streptolysin O, and anti-streptolysin O antibodies in immune complexes isolated from the sera of patients with acute rheumatic fever. Gupta RC, et al. **J Immunol** 1986 Oct 1;137(7):2173–9

Detection of antibodies to muramyl dipeptide, the adjuvant moiety of streptococcal cell wall, in patients with rheumatic fever. Bahr GM, et al. **J Infect Dis** 1986 Dec;154(6):1012–7

HLA antigens in 88 cases of rheumatic fever observed in Martinique. Monplaisir N, et al. **Tissue Antigens** 1986 Oct; 28(4):209–13

Streptococcal group A polysaccharide antibodies assayed by an ELISA determination of antibodies in rabbit hyperimmune sera; normal levels in man and comparison with levels in patients with rheumatic fever and with poststreptococcal glomerulonephritis. Benslimane A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):385–95

[T and B lymphocytes in children with rheumatic fever and juvenile rheumatoid arthritis] Puławska J. **Pediatr Pol** 1986 Apr;61(4):210–7 (Eng. Abstr.) **(Pol)**

[The place of the leukocyte migration inhibition test in studying immunopathogenetic mechanisms in acute articular rheumatism] Debeleac L, et al. **Rev Ig [Bacteriol]** 1986 Jul–Sep;31(3):253–62 **(Rum)**

[Indicators of streptococcal infection and HLA antigens in patients with rheumatism] Goriaeva NIu. **Ter Arkh** 1986; 58(7):60–2 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Production of serum-opacity factor by Streptococcus pyogenes strains isolated from pharyngitis in children. Prevalence of "rheumatogenic" M types among OF-negative strains. Molina AM, et al. **Enr J Epidemiol** 1985 Mar;1(1):37–41

Difference in the structural features of streptococcal M proteins from nephritogenic and rheumatogenic serotypes. Khandke KM, et al. **J Exp Med** 1987 Jul 1;166(1):151–62

The concurrent associations of group A streptococcal serotypes in children with acute rheumatic fever or pharyngitis-associated glomerulonephritis and their families in Kuwait. Majeed HA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Sep; 262(3):346–56

[Evaluation of group and type-specific antisera for the typing of streptococcal infections in Mexico] Giono-Cerezo S, et al. **Bol Med Hosp Infant Mex** 1986 Aug;43(8):470–7 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Acute rheumatic fever. The come-back of a disappearing disease. Ferrieri P. **Am J Dis Child** 1987 Jul;141(7):725–7

Resurgence of acute rheumatic fever. Hosier DM, et al. **Am J Dis Child** 1987 Jul;141(7):730–3

The changing picture of rheumatic fever. Markowitz M. **Arthritis Rheum** 1977 Mar;20(2 Suppl):369–74

Rheumatic fever: clinical profile of the initial attack in India. Agarwal BL, et al. **Bull WHO** 1986;64(4):573–8

Rheumatic fever: recent outbreaks of an old disease. Markowitz M, et al. **Conn Med** 1987 Apr;51(4):229–33

Is rheumatic fever a rare disease? [letter] Kristal H, et al. **Isr J Med Sci** 1987 Mar;23(3):220–1

Rheumatic fever and rheumatic heart disease in school children of Anand. Patel DC, et al. **J Assoc Physicians India** 1986 Dec;34(12):837–9

Rheumatic fever and rheumatic heart disease in southern Thailand. Sanguanchua P. **J Med Assoc Thai** 1987 Apr; 70(4):204–9

Outbreak of acute rheumatic fever in northeast Ohio. Congeni B, et al. **J Pediatr** 1987 Aug;111(2):176–9

Return of rheumatic fever: consequences, implications, and needs. Kaplan EL, et al. **J Pediatr** 1987 Aug;111(2):244–6

Acute rheumatic fever and acute glomerulonephritis in children in Riyadh, Saudi Arabia. McCusker J, et al. **J Trop Pediatr** 1986 Oct;32(5):225–9

Leads from the MMWR. Acute rheumatic fever—Utah. **JAMA** 1987 Mar 27;257(12):1578–9

Rheumatic fever and rheumatic heart disease in Japan. Kawakita S. **Jpn Circ J** 1986 Dec;50(12):1241–5

Acute rheumatic fever—Utah. **MMWR** 1987 Mar 6; 36(8):108–10, 115

Resurgence of acute rheumatic fever [letter] **N Engl J Med** 1987 Aug 20;317(8):507–8

Acute rheumatic fever: forgotten but not gone [editorial] Bisno AL. **N Engl J Med** 1987 Feb 19;316(8):476–8

Resurgence of acute rheumatic fever in the intermountain area of the United States. Veasy LG, et al. **N Engl J Med** 1987 Feb 19;316(8):421–7

Review of 222 cases of acute rheumatic fever in southern Israel (1974–1983). Bitton Y, et al. **Pediatr Cardiol** 1986; 7(4):199–201

Rheumatic fever in the eighties. Markowitz M. **Pediatr Clin North Am** 1986 Oct;33(5):1141–50

Rheumatic fever in children and adolescents in Hawaii. Chun LT, et al. **Pediatrics** 1987 Apr;79(4):549–52

Acute rheumatic fever in western Pennsylvania and the tristate area. Wald ER, et al. **Pediatrics** 1987 Sep; 80(3):371–4

[An epidemiological survey of rheumatic valve disease and rheumatic fever in primary and secondary school students in Jiangxi Province] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):305–6 **(Chi)**

[Acute rheumatic fever, a disease still present in developing countries] Bach JF. **Presse Med** 1986 Nov 22;15(41):2043–5 **(Fre)**

[Acute rheumatic fever in Martinique. Epidemiological, clinical and biological study] Chalons S, et al. **Presse Med** 1986 Nov 22;15(41):2051–5 (Eng. Abstr.) **(Fre)**

[Acute rheumatic fever in New Caledonia. Clinical and epidemiological aspects] Garraud O, et al. **Presse Med** 1986 Nov 22;15(41):2047–50 (Eng. Abstr.) **(Fre)**

[Periodicity and seasonal variations in the incidence of rheumatism and their relation to various exogenous biorhythms] Piaï LT, et al. **Ter Arkh** 1986;58(7):81–4 (Eng. Abstr.) **(Rus)**

[Possible causes of a decrease in rheumatic fever in developed countries] Arsić B, et al. **Vojnosanit Pregl** 1987 Mar–Apr; 44(2):140–7 **(Scr)**

[Analysis of the incidence of rheumatic fever in children during the past 13 years in Slovakia] Cernay J, et al. **Cesk Pediatr** 1987 Mar;42(3):139–44 (Eng. Abstr.) **(Slo)**

[Where is rheumatic fever?] Batlle Gualda E. **Med Clin (Barc)** 1987 Jan 17;88(2):61–4 **(Spa)**

PHYSIOPATHOLOGY

Height, weight and nutritional status of children with rheumatic fever and rheumatic heart disease admitted to Dr. Sardjito Hospital Yogyakarta, Indonesia. Wahab AS. **Paediatr Indones** 1986 Nov–Dec;26(11–12):220–8

PREVENTION & CONTROL

The 10th conference on Prevention for Rheumatic Fever and Rheumatic Heart Disease. January 12, 1985, Kyoto. Proceedings. **Jpn Circ J** 1986 Dec;50(12):1239–329

Evaluation of an Alaskan streptococcal control program: importance of the program's intensity and duration. Brant LJ, et al. **Prev Med** 1986 Nov;15(6):632–42

[Prospective new approaches to the diagnosis of infection caused by group A streptococci and the control of rheumatic fever] Rotta D. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):3–7 (Eng. Abstr.) **(Rus)**

RHEUMATIC HEART DISEASE

[Features of the course of pregnancy and labor in older primipara with rheumatic heart lesions] Golota VIa, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):61–2 **(Rus)**

BLOOD

Serial serum penicillin levels following an injection of benzathine penicillin (12 lakh units) in children of rheumatic heart disease. Saran RK, et al. **Indian J Pediatr** 1986 Jan–Feb;53(1):99–103

[Dynamics of the kallikrein–kinin system in patients with recurrent rheumatic carditis associated with heart defects after administration of inhibitors of the kallikrein–kinin system in complex antirheumatic therapy] Mikunis RI, et al. **Ter Arkh** 1986;58(7):89–91 **(Rus)**

COMPLICATIONS

Arthritic findings in the hands of Alaska natives with rheumatic heart disease—with presentation of a case of post-rheumatic fever arthropathy. Templin DW. **Alaska Med** 1986 Oct–Dec;28(4):91–5

Two-dimensional echocardiographic demonstration of intrapericardial fibrinous strands in rheumatoid pericarditis. Lam D, et al. **Am Heart J** 1987 Aug;114(2):442–4

Clinically occult "false-on-true" left ventricular aneurysm: association with late sudden death following mitral valve replacement. Sobczyk WL, et al. **Am Heart J** 1986 Nov; 112(5):1090–2

Mechanisms of increase in mitral valve area and influence of anatomic features in double-balloon, catheter balloon valvuloplasty in adults with rheumatic mitral stenosis: a Doppler and two-dimensional echocardiographic study. Reid CL, et al. **Circulation** 1987 Sep;76(3):628–36

Rupture of tendinous chords during acute rheumatic carditis in young children. de Moor MM, et al. **Int J Cardiol** 1986 Sep;12(3):353–7

Jaccoud's arthritis and true overlap of rheumatoid arthritis and rheumatic heart disease. Kumar A, et al. **J Assoc Physicians India** 1986 May;34(5):349–51

Rheumatic fever as a cause of myocardial infarction with coronary narrowing. Onouchi Z, et al. **Jpn Heart J** 1987 Jan;28(1):127–33

Multiple cerebral emboli in a young man [clinical conference] Nespeca MP, et al. **West J Med** 1987 May;146(5):589–95

[Surgical treatment of cholelithiasis in uncorrected acquired heart defects] Milonov OB, et al. **Khirurgiia (Mosk)** 1987 Feb;(2):6–13 (Eng. Abstr.) **(Rus)**

[Characteristics of dyslipidemia in cardiac insufficiency in patients with rheumatic heart defects] Neverov IV, et al. **Klin Med (Mosk)** 1987 Jun;65(6):123–6 (Eng. Abstr.) **(Rus)**

[Efficacy of corvaton in the long-term ambulatory treatment of heart failure in patients with rheumatic heart lesions] Koshlia VI. **Ter Arkh** 1986;58(11):51–5 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenological characteristics of thromboembolism of the pulmonary arteries in patients with rheumatism] Mazaev PN, et al. **Ter Arkh** 1986; 58(7):91–4 (Eng. Abstr.) **(Rus)**

[Transcatheter percutaneous commissurotomy in rheumatic mitral stenosis] Ledesma Velasco M, et al. **Arch Inst Cardiol Mex** 1986 Sep–Oct;56(5):421–4 (Eng. Abstr.) **(Spa)**

[Percutaneous mitral valvulotomy in rheumatic mitral valve stenosis] de Ubago JL, et al. **Rev Esp Cardiol** 1987 Jan–Feb; 40(1):56–8 (Eng. Abstr.) **(Spa)**

[Mitral valvuloplasty with a balloon catheter in rheumatic mitral stenosis] Medina A, et al. **Rev Esp Cardiol** 1987 Mar–Apr;40(2):140–2 (Eng. Abstr.) **(Spa)**

[Mitral valvuloplasty with a double balloon in rheumatic mitral stenosis] Medina A, et al. **Rev Esp Cardiol** 1987 Jan–Feb;40(1):58–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Chronic constrictive pericarditis with rheumatic mitral stenosis: a case report. Ganjoo AK, et al. **Indian Heart J** 1986 Mar–Apr;38(2):158–9

Congenital absence of left pericardium with rheumatic mitral stenosis. Jaison TM, et al. **Indian Heart J** 1986 Mar–Apr; 38(2):152–4

Differentiation of patients with rheumatic fever from those

with inactive rheumatic heart disease using the artificial subcutaneous nodule test, myocardial reactive antibodies, serum immunoglobulin and serum complement levels. Bhattacharya S, et al. **Int J Cardiol** 1987 Jan;14(1):71–8

Rheumatic mitral stenosis: accelerated and delayed types. Agarwal BL, et al. **J Indian Med Assoc** 1986 Jun; 84(6):191–3

Rheumatic fever and carditis at the National Institute of Cardio-Vascular Diseases—a follow up study. Aziz K, et al. **JPMA** 1986 Aug;36(8):196–203

Changing pattern of rheumatic fever and streptococcal antibodies. Watanabe N, et al. **Jpn Circ J** 1986 Dec; 50(12):1246–8

[Cardiac changes detected in patients with rheumatoid arthritis] Nagyhegyi G, et al. **Orv Hetil** 1987 Apr 12; 128(15):767–72 (Eng. Abstr.) **(Hun)**

[Use of the spectrophotometric method of determining antibody-dependent cell-mediated cytotoxicity in the differential diagnosis of rheumatic and non-rheumatic myocarditis] Gritsiuk AI, et al. **Lab Delo** 1987;(5):374–7 (Eng. Abstr.) **(Rus)**

[Integral indices of electrocardiographic potentials in primary rheumatic carditis in children] Astvatsatrian VA, et al. **Pediatriia** 1987;(2):17–20 (Eng. Abstr.) **(Rus)**

[Circulating immune complexes in children with relatively inactive forms of rheumatism and tonsillogenic lesions of the heart] Viksman ME, et al. **Pediatriia** 1987;(2):14–6 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of the degree of stenosis of the left atrioventricular ostium in patients with rheumatic mitral lesions according to the results of 2-dimensional Doppler echocardiography] Anokhin VN, et al. **Revmatologiia (Moskva)** 1986 Jul-Sep;(3):16–20 (Eng. Abstr.) **(Rus)**

[Course and outcome of rheumatic carditis (clinico-echocardiographic study)] [published erratum appears in Revmatologiia (Moskva) 1987 Jan-Mar;(1):77] Polubentseva EI, et al. **Revmatologiia (Moskva)** 1986 Oct-Dec;(4):3–10 (Eng. Abstr.) **(Rus)**

[Rheumatic masking of bacterial endocarditis] Balaban SIa, et al. **Ter Arkh** 1986;58(7):137–9 (Eng. Abstr.) **(Rus)**

[Rheumatoid lesion of the heart] Nemchinov EN, et al. **Ter Arkh** 1986;58(12):126–34 (207 ref.) **(Rus)**

[Principles for the quantitative ultrasonic assessment of acquired heart defects] Zaretskii VV, et al. **Vestn Akad Med Nauk SSSR** 1987;(5):20–5 (Eng. Abstr.) **(Rus)**

[X-ray picture of cardiac malrotation in the echocardiographic diagnosis of rheumatic defects] Grishkevich AM, et al. **Vestn Rentgenol Radiol** 1986 Jul-Aug;(4):34–8 (Eng. Abstr.) **(Rus)**

[Humoral immunity indices in the diagnosis of torpid rheumatism] Gerasimiuk PP. **Vrach Delo** 1986 Sep;(9):10–2 (Eng. Abstr.) **(Rus)**

[Vasculitis as the primary manifestation of rheumatism] Kochetov AM, et al. **Vrach Delo** 1987 Apr;(4):56–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Action of antihistaminic agents in patients with various heart pathologies undergoing surgical treatment] Bender KI, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):67–70 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Cardiotoxicity of streptolysin O of group A and group C haemolytic streptococci. Gupta RK, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):249–54

[Isolated carditis disclosing a post-streptococcal syndrome in an adult (letter)] Doucet J, et al. **Presse Med** 1986 Nov 1;15(38):1929 **(Fre)**

[Recurrent myocarditis in Reiter's disease] Shabalin AV, et al. **Klin Med (Mosk)** 1986 Jul;64(7):134–6 **(Rus)**

[Individual aspects of pathogenesis and diagnosis of cardiorespiratory disorders in rheumatoid arthritis and systemic scleroderma] Doroshenko IuA, et al. **Ter Arkh** 1986;58(7):68–72 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

HLA-A, B, DR, and DQ antigens in black patients with severe chronic rheumatic heart disease. Maharaj B, et al. **Circulation** 1987 Aug;76(2):259–61

[Study of the association of histocompatibility antigens with rheumatism] Goriaeva IIu, et al. **Ter Arkh** 1986; 58(10):78–81 (Eng. Abstr.) **(Rus)**

HISTORY

The cause of rheumatic heart disease [letter] George CR. **Br Heart J** 1987 Apr;57(4):394–6

[G.I. Sokol'skiĭ (on the centenary of his death and the 150th anniversary of the description of rheumatic heart disease)] Anisimov VE. **Klin Med (Mosk)** 1986 Dec;64(12):122–5 **(Rus)**

[Evolution of rheumatic heart defects from 1954 to 1985] Kozlov GS, et al. **Sov Med** 1987;(6):49–51 **(Rus)**

IMMUNOLOGY

HLA-DR typing and lymphocyte subset evaluation in rheumatic heart disease: a search for immune response factors. Anastasiou-Nana MI, et al. **Am Heart J** 1986 Nov; 112(5):992–7

Aberrant expression of HLA-DR antigen on valvular fibroblasts from patients with active rheumatic carditis. Amoils B, et al. **Clin Exp Immunol** 1986 Oct;66(1):88–94

Compartmentalization of cells bearing "rheumatic" cell surface antigens in peripheral blood and tonsils in rheumatic heart disease. Gray ED, et al. **J Infect Dis** 1987 Feb; 155(2):247–52

Lymphocyte subpopulations in rheumatic heart disease. Regelmann WE, et al. **J Rheumatol** 1987 Feb;14(1):23–7

[Manifestation of the sensitization to penicillin preparations in rheumatism patients with a history of adverse reactions to them] Smirnova RV, et al. **Farmakol Toksikol** 1986 Sep-Oct;49(5):109–11 (Eng. Abstr.) **(Rus)**

[Effect of heart valve prosthesis on immunity in rheumatism patients] Marmolevskaia GS, et al. **Klin Med (Mosk)** 1986 Oct;64(10):63–6 (Eng. Abstr.) **(Rus)**

METABOLISM

[Various indices of iron metabolism in the mother-fetus-amniotic fluid-placenta system of healthy parturients and parturients with rheumatic heart lesions] Avakian ZA, et al. **Akush Ginekol (Mosk)** 1987 Feb;(2):61–2 **(Rus)**

[Lipid peroxidation in cardiac insufficiency] Salfutdinov RI, et al. **Ukr Biokhim Zh** 1986 Sep-Oct;58(5):86–8 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation and anti-oxidative systems of an organism in experimental streptococcal myocarditis and rheumocarditis] Kozlov GS, et al. **Vopr Med Khim** 1986 Sep-Oct;32(5):41–4 (Eng. Abstr.) **(Rus)**

MORTALITY

A 13-year follow-up study of rheumatic valvular diseases. Shimada S. **Jpn Circ J** 1986 Dec;50(12):1304–8

OCCURRENCE

Rheumatic heart disease in Nigerian children: clinical and preventive aspects. Fadahunsi HO, et al. **Ann Trop Paediatr** 1987 Mar;7(1):54–8

Rheumatic fever and rheumatic heart disease in school children of Anand. Patel DC, et al. **J Assoc Physicians India** 1986 Dec;34(12):837–9

Rheumatic fever and rheumatic heart disease in southern Thailand. Sanguanchua P. **J Med Assoc Thai** 1987 Apr; 70(4):204–9

Rheumatic fever and rheumatic heart disease in Japan. Kawakita S. **Jpn Circ J** 1986 Dec;50(12):1241–5

[An epidemiological survey of rheumatic valve disease and rheumatic fever in primary and secondary school students in Jiangxi Province] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):305–6 **(Chi)**

[Heart defects and pregnancy] Shulovich V, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):65–6 **(Rus)**

PATHOLOGY

An autopsy study of rheumatic heart disease. Part I. Valvular involvement and Aschoff bodies. Malhotra V, et al. **Jpn Heart J** 1987 Jan;28(1):1–6

An autopsy study of rheumatic heart disease. Part II. Associated findings. Malhotra V, et al. **Jpn Heart J** 1987 Jan;28(1):7–14

[Incidence of active rheumatism (myocarditis and valvulitis) in chronic rheumatic mitral valvulopathy. Clinico-morphologic study] Agozzino L, et al. **Pathologica** 1986 Jul-Aug;78(1056):459–67 (Eng. Abstr.) **(Ita)**

[Rheumatic activity and clinico-pathologic dissociation. Clinical and pathologic parameters in rheumatic heart disease] Bernal E, et al. **Arch Inst Cardiol Mex** 1987 Jan-Feb;57(1):41–4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Tricuspid stenosis and PR prolongation. Shafie MZ, et al. **Cardiologia** 1987 Mar;32(3):277–9

Fetal activity in pregnancies complicated by rheumatic heart disease. Simon A, et al. **J Perinat Med** 1986;14(5):331–4

Haemodynamic response to isoflurane anesthesia in patients with rheumatic heart disease. Luciana S, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):14–24

[2-dimensional Doppler echocardiogram of rheumatic mitral valvular lesions with tricuspid insufficiency] Huang DJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Jun; 14(3):157–8 **(Chi)**

[Status of the hemodynamics in puerperal women with combined rheumatic mitral defects following different methods of delivery] Serov VN, et al. **Akush Ginekol (Mosk)** 1986 Dec;(12):33–4 **(Rus)**

[Evaluation of the condition of the liver during determination of indications for heart surgery] Loginov AS, et al. **Grudn Khir** 1986 Jul-Aug;(4):37–41 (Eng. Abstr.) **(Rus)**

[Circadian structure of the rhythm of cardiac activity and its regulatory characteristics in children in the active phase of rheumatism] Oskolkova MK, et al. **Pediatriia** 1986 Oct; (10):78 **(Rus)**

[Functional possibilities and physical capacity of patients with mitral lesions of the heart] Dziak GV, et al. **Ter Arkh** 1986; 58(11):76–9 (Eng. Abstr.) **(Rus)**

[Segmental contractility and geometry of the left ventricle of patients with isolated lesions of the mitral valve] Tkachenko VM. **Ter Arkh** 1986;58(11):79–83 (Eng. Abstr.) **(Rus)**

[Myocardial function of pregnant patients with mitral stenosis] Dubovenko ZA. **Vrach Delo** 1986 Nov;(11):73–5 **(Rus)**

[Function of the vascular wall in pregnant women with rheumatism] Khomchenkova NI. **Vrach Delo** 1986 Sep; (9):12–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Screening for rheumatic heart disease amongst black schoolchildren in Inanda, South Africa [letter] Maharaj B, et al. **J Trop Pediatr** 1987 Feb;33(1):60–1

The 10th conference on Prevention for Rheumatic Fever and Rheumatic Heart Disease. January 12, 1985, Kyoto. Proceedings. **Jpn Circ J** 1986 Dec;50(12):1239–329

RADIOGRAPHY

Demonstration of mitral and aortic valves by ultrafast computed tomography. Rees MR, et al. **J Comput Tomogr** 1987 Apr;11(2):190–2

SURGERY

Cross-sectional echocardiography in recognition of left ventricular aneurysm following closed mitral valvotomy. Sharma S, et al. **Indian Heart J** 1986 May-Jun;38(3):192–4

Late partial tamponade of the right atrium. A case report. Deviri E, et al. **J Cardiovasc Surg (Torino)** 1987 Jan-Feb; 28(1):94–7

Valvuloplasty for rheumatic mitral valve disease. A surgical challenge. Antunes MJ, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):44–56

The feasibility of closed mitral valvotomy in pregnancy. Vosloo S, et al. **J Thorac Cardiovasc Surg** 1987 May; 93(5):675–9

Valve replacement in children. Cornish EM, et al. **Thorac Cardiovasc Surg** 1987 Jun;35(3):176–9

[Late results in the surgical treatment of valvular defects] Danev T. **Vutr Boles** 1986;25(6):41–5 (Eng. Abstr.) **(Bul)**

[Postoperative therapeutic effect of amiodarone on the conversion of chronic atrial fibrillation in rheumatic heart disease] Huang ZD, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Feb;26(2):74–6, 124 (Eng. Abstr.) **(Chi)**

[Effect of tricuspid annuloplasty on the clinical course following mitral or aortic valve operation] Brilla C, et al. **Z Kardiol** 1987 Apr;76(4):247–52 (Eng. Abstr.) **(Ger)**

[Surgical management of rheumatic valve disease complicated by congenital hyperbilirubinemia (Rotor syndrome): a case report] Nakano H, et al. **Kyobu Geka** 1986 Aug;39(8):649–52 (Eng. Abstr.) **(Jpn)**

[Case of successful repeated mitral valve prosthesis as a result of malfunction of a disk prosthesis] Kosach GA, et al. **Grudn Khir** 1986 Jul-Aug;(4):89–91 **(Rus)**

[Results of mitral valve prosthesis using the small-size disk EMIKS prosthesis] Zorin AB, et al. **Grudn Khir** 1987 May-Jun;(3):5–8 **(Rus)**

[5 consecutive operations on the heart over 20 years] Poliakov VP. **Kardiologiia** 1986 Nov;26(11):106 **(Rus)**

[Cardiomegaly and the degree of risk in surgical treatment of patients with rheumatic heart defects] Grishkevich AM, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):96–100 (Eng. Abstr.) **(Rus)**

[Evolution of reconstructive valve surgery in rheumatic heart defects] Solov'ev GM, et al. **Revmatologiia (Moskva)** 1987 Jan-Mar;(1):3–7 (Eng. Abstr.) **(Rus)**

[Valve surgery in children and adolescents] Farrú O, et al. **Rev Chil Pediatr** 1986 Sep-Oct;57(5):410–3 (Eng. Abstr.) **(Spa)**

[Constrictive pericarditis following cardiac surgery] Díaz RA, et al. **Rev Med Chil** 1987 Feb;115(2):141–4 (Eng. Abstr.) **(Spa)**

THERAPY

Percutaneous balloon valvulotomy for calcific rheumatic mitral stenosis. De Ubago JL, et al. **Am J Cardiol** 1987 Apr 15;59(9):1007–8

Percutaneous mitral valvotomy in rheumatic mitral stenosis: a new approach. Commeau P, et al. **Br Heart J** 1987 Aug; 58(2):142–7

[Rheumatic mitral stenosis. The medical solution] Losay J, et al. **Arch Fr Pediatr** 1986 Oct;43(8):633–4 (Eng. Abstr.) **(Fre)**

[Drug electrophoresis and sulfide balneotherapy in active rheumatism in children] Shestialtynova OV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar-Apr; (2):22–5 (Eng. Abstr.) **(Rus)**

RHEUMATIC NODULE

PATHOLOGY

An autopsy study of rheumatic heart disease. Part I. Valvular involvement and Aschoff bodies. Malhotra V, et al. **Jpn Heart J** 1987 Jan;28(1):1–6

[Rheumatic activity and clinico-pathologic dissociation. Clinical and pathologic parameters in rheumatic heart disease] Bernal E, et al. **Arch Inst Cardiol Mex** 1987 Jan-Feb;57(1):41–4 (Eng. Abstr.) **(Spa)**

RHEUMATISM

Scientific abstracts: 51st annual meeting, American Rheumatism Association; 22nd annual meeting, Arthritis Health Professions Association. June 9–13, 1987, Washington, D.C. **Arthritis Rheum** 1987 Apr;30(4 Suppl):S1–218

Proceedings of the First ARA Conference on the Rheumatic Diseases of Childhood. Park City, Utah, March 22–25, 1976. **Arthritis Rheum** 1977 Mar;20(2 Suppl):145–628

American Rheumatism Association. Scientific abstracts. 1986 regional meetings. **Arthritis Rheum** 1987 Jan;30(1 Suppl):S5–51

Australian and New Zealand Rheumatism Associations: combined meeting. Christchurch, 20–22 August 1986. Abstracts. **Aust NZ J Med** 1987 Feb;17(1 Suppl 1):113–25

British Society for Rheumatology. Third annual general meeting. London, 19–22 November 1986. Abstracts. **Br J Rheumatol** 1986;25 Suppl 2:114 abstracts

Abstracts: XIth European Congress of Rheumatology. Athens, Greece, 28th June–4th July 1987. **Clin Exp Rheumatol** 1987;5 Suppl 2:1–373

Seventh European Rheumatology Research Workshop. Glasgow, Scotland, March 6–7, 1987. Abstracts. **Clin Rheumatol** 1987 Mar;6(1):109–38

International symposium for health professionals in rheumatology. Pellenberg, 11–12 September 1986. Abstracts. **Clin Rheumatol** 1987 Jun;6(2):304–14

The International League Against Rheumatism. Engleman EP. **Eur J Rheumatol Inflamm** 1987;9(1):68–70

Abstracts: Conference of rheumatic diseases of childhood. March 15–19, 1986, Park City, Utah. **J Rheumatol** 1986 Oct;13(5):973–85

The status of patient status measures. Meenan RF, et al. **J Rheumatol** 1987 Jun;14(3):411–4

ARAMIS (the American Rheumatism Association Medical Information System). A prototypical national chronic-disease data bank. Fries JF, et al. **West J Med** 1986 Dec;145(6):798–804

[Abstracts. 22d meeting of the German Society for Rheumatology. 9 September–4 October 1986, Freiburg/Br.] **Z Rheumatol** 1986 Jul–Aug;45(4):169–240 **(Ger)**

[Proceedings of the 30th scientific session of the Japan Rheumatism Association. May 29 to 30, 1986, Yokohama City, Japan. Abstracts] **Ryumachi** 1986 Dec;26(6):401–653 **(Jpn)**

BLOOD

[Circadian rhythm of so-called inflammation proteins and changes of sigma VS (letter)] Pawlotsky Y, et al. **Rev Rhum Mal Osteoartic** 1987 Jun;54(6):508 **(Fre)**

[Anomalous sedimentation schlieren diagrams of the blood in patients with rheumatic diseases as an indicator of the presence of reversibly dissociating immune complexes] Cherniak VIa, et al. **Biull Eksp Biol Med** 1987 Aug; 104(8):226–9 (Eng. Abstr.) **(Rus)**

[Uric acid levels of the serum of healthy persons and patients with various rheumatic diseases] Bošmanský K, et al. **Ter Arkh** 1987;59(4):22–5 (Eng. Abstr.) **(Rus)**

[Sigma-ESR in the diagnosis of the activity of rheumatic diseases] Kukharenko AN, et al. **Vrach Delo** 1987 Jun; (6):79–81 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Do exposure to organic solvents precipitate rheumatic disease? [letter] Omdal R, et al. **Clin Rheumatol** 1986 Sep; 5(3):421–2

[Cleopatra syndrome, a new autoimmune pathology? ("Adjuvant human diseases")]Chaouat Y, et al. **Rev Rhum Mal Osteoartic** 1986 Jul–Sep;53(7–9):485–8 **(Fre)**

CLASSIFICATION

Diagnosis of rheumatic disease [letter] Edwards J. **Br J Rheumatol** 1987 Feb;26(1):73–4

[Classification of rheumatic diseases and their social medicine significance] Wessel G, et al. **Z Arztl Fortbild (Jena)** 1987; 81(8):355–8 **(Ger)**

[Classification and nomenclature of rheumatic diseases] Krylov AA. **Revmatologiia (Moskva)** 1986 Oct–Dec; (4):68–70 **(Rus)**

COMPLICATIONS

Cytomegalovirus retinitis in rheumatic disease: a case report. Winkler A, et al. **Arthritis Rheum** 1987 Jan;30(1):106–8

Randomised study of the influence of non-steroidal anti-inflammatory drugs on the treatment of peptic ulcer in patients with rheumatic disease. Manniche C, et al. **Gut** 1987 Feb;28(2):226–9

Mycobacterium kansasii septic arthritis complicating rheumatic disease: case report and review of the literature. Glickstein SL, et al. **Semin Arthritis Rheum** 1987 Feb; 16(3):231–5 (25 ref.)

[Is endocarditis of a membraneous septal aneurysm detected in a rheumatological milieu? (letter)] Gaucher A, et al. **Presse Med** 1987 Apr 25;16(15):730 **(Fre)**

[Incidence of secondary amyloidosis in chronic inflammatory rheumatism] Roselló Pardo R, et al. **Med Clin (Barc)** 1986 Oct 25;87(13):525–8 (Eng. Abstr.) **(Spa)**

[Rheumatic manifestations associated with multiple myeloma] Bistué R, et al. **Medicina (B Aires)** 1986;46(1):25–30 (Eng. Abstr.) **(Spa)**

[Recurrent Sydenham's chorea: a rare manifestation of rheumatic disease] Berríos X. **Rev Med Chil** 1986 Mar; 114(3):254–6 **(Spa)**

DIAGNOSIS

Diagnostic categories in rheumatology. Edwards JC. **Ann Rheum Dis** 1987 Mar;46(3):259–61

Frozen shoulder in hyperthyroidism. Wohlgethan JR. **Arthritis Rheum** 1987 Aug;30(8):936–9

Adult T cell leukemia-lymphoma mimicking rheumatic disease [letter] Yufu Y, et al. **Arthritis Rheum** 1987 May; 30(5):599–600

Diagnosis of rheumatic disease: a plea for contemplation of the future. Balint GP, et al. **Br J Rheumatol** 1986 Nov; 25(4):399–401

Punched-card aid in rheumatological diagnosis. Balint GP, et al. **Br J Rheumatol** 1987 Feb;26(1):46–50

Palindromic rheumatism: you just have to think about it! Pasero G, et al. **Clin Exp Rheumatol** 1986 Jul–Sep; 4(3):197–9

Disability evaluation in arthritis patients. Luck JV Jr, et al. **Clin Orthop** 1987 Aug;(221):59–67

Problems in establishing the medical expert systems CADIAG-1 and CADIAG-2 in rheumatology. Kolarz G, et al. **J Med Syst** 1986 Aug;10(4):395–405

Magnetic resonance imaging: a review of rheumatologic applications. Steinbach L, et al. **Semin Arthritis Rheum** 1986 Nov;16(2):79–91 (14 ref.)

[Clinical significance of acute phase proteins in synovial fluid] Hrnčíř Z, et al. **Cas Lek Cesk** 1987 Feb 20;126(8):241–4 (Eng. Abstr.) **(Cze)**

[Rheumatic manifestations of distal tubular acidosis. Apropos of a case] Bouguerra L, et al. **Arch Fr Pediatr** 1986 May; 43(5):331–3 (Eng. Abstr.) **(Fre)**

[Fibroblastic rheumatism of the elderly. Histopathological, ultrastructural data and problems of differential diagnosis] Taccari E, et al. **Rev Rhum Mal Osteoartic** 1987 Jun; 54(6):463–7 (Eng. Abstr.) **(Fre)**

[The quality of primary care of rheumatic diseases in childhood] Hussein A, et al. **Dtsch Med Wochenschr** 1987 Feb 20;112(8):291–7 (Eng. Abstr.) **(Ger)**

[Diagnosis in inflammatory joint diseases] Wirth W. **Dtsch Med Wochenschr** 1987 Jun 12;112(24):967–9 **(Ger)**

[Significance of selected laboratory findings in rheumatic diseases. 3. The third step in diagnosis] Apostoloff E, et al. **Z Arztl Fortbild (Jena)** 1987;81(9):412–5 **(Ger)**

[Significance of selected laboratory findings in rheumatic diseases. 2: The second step in diagnosis] Apostoloff E, et al. **Z Arztl Fortbild (Jena)** 1987;81(9):409–12 **(Ger)**

[Significance of selected laboratory findings in rheumatic diseases. 1: The first step in diagnosis] Apostoloff E, et al. **Z Arztl Fortbild (Jena)** 1987;81(9):407–9 **(Ger)**

[Rheumatic diseases—introduction] Berndt H. **Z Arztl Fortbild (Jena)** 1987;81(8):353–4 **(Ger)**

[A case of acute rheumatism of the joints in an elderly subject. Problems of differential diagnosis] Miorelli M, et al. **Cardiologia** 1987 Jun;32(6):591–4 (Eng. Abstr.) **(Ita)**

[Diagnostic criteria of rheumatologic diseases] Gran JT. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):142–3 (Eng. Abstr.) **(Nor)**

[Difficulties in the early diagnosis of primary hyperparathyroidism] Iatimov AIa. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):51–2 **(Rus)**

[Arthroscopy with guided biopsy in rheumatic diseases] Cheresh GN, et al. **Sov Med** 1987;(4):98–9 **(Rus)**

[Epidemiology of rheumatic disease] Ermalinskiĭ AF. **Vrach Delo** 1987 Mar;(3):16–9 (Eng. Abstr.) **(Rus)**

[Blood serum proteinases in the diagnosis of rheumatic diseases] Rudenko VG. **Vrach Delo** 1986 Sep;(9):7–9 (Eng. Abstr.) **(Rus)**

[Difference in the positivity of antinuclear antibodies in pediatrics using rat kidney and human epithelial cells as a source of antigens] Arroyave CM, et al. **Bol Med Hosp Infant Mex** 1986 Aug;43(8):478–81 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Local treatment with Epurox (superoxide dismutase and catalase of human origin) in the chronic inflammatory and degenerative rheumatism. Dejica D, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec; 45(3–4):299–310

Synthetic prostaglandins—have they a place in rheumatology? [editorial] Fowler PD. **Br J Clin Pract** 1986 Sep;40(9):357–9

Upper gastrointestinal findings and faecal occult blood in patients with rheumatic diseases taking nonsteroidal anti-inflammatory drugs. Collins AJ, et al. **Br J Rheumatol** 1987 Aug;26(4):295–8

Peptic ulcer, nonsteroid anti-inflammatory drugs and the rheumatic diseases. Sladen G. **Br J Rheumatol** 1986 Nov; 25(4):330–2

Treatment of rheumatic diseases. Byron MA. **Br Med J** 1987 Jan 24;294(6566):236–8

Treatment of palindromic rheumatism with chloroquine [letter] Hanonen P, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1289

Treatment of palindromic rheumatism with chloroquine. Richardson MR, et al. **Br Med J [Clin Res]** 1987 Mar 21; 294(6574):741

Interpreting clinical trials of antirheumatic drug therapy. Bellamy N, et al. **Bull Rheum Dis** 1986;36(2):1–10

NSAID ionisation: local or systemic effect? [letter] Famaey JP, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):94–6

Management of rheumatic disorders associated with the elderly. Benedek TG. **Compr Ther** 1986 Sep;12(9):36–41

Conspectus: Rheumatic therapeutics today. Roth SH. **Compr Ther** 1986 Sep;12(9):3–9

Comparison of sustained-release with standard tiaprofenic acid in the treatment of rheumatic diseases in general practice. Phillips G, et al. **Curr Med Res Opin** 1987; 10(7):486–93

Proquazone. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in rheumatic diseases and pain states. Clissold SP, et al. **Drugs** 1987 May;33(5):478–502 (94 ref.)

Rational use of analgesics in the treatment of the rheumatic disorders. Hart FD. **Drugs** 1987 Jan;33(1):85–93

Do rheumatic patients comply? [editorial] Rooney PJ, et al. **Eur J Rheumatol Inflamm** 1984;7(2):25–7

Pharmaco-epidemiological considerations in patients with arthritis and vascular disease of the kidney. Bulpitt CJ. **Scand J Rheumatol [Suppl]** 1986;62:4–13

[Drug therapy of rheumatic disorders in the light of European and worldwide experience] Trnavský K, et al. **Vnitr Lek** 1987 Jan;33(1):48–52 (Eng. Abstr.) **(Cze)**

[New antirheumatism agents in old stomachs] Offerhaus L. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1827–9 **(Dut)**

[Endoscopic study of digestive lesions caused by the use of nonsteroidal anti-inflammatory agents in rheumatic patients] van Linthoudt D, et al. **Schweiz Med Wochenschr** 1987 Apr 18;117(16):604–8 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of fluocortolone in long term therapy of patients with rheumatic and hematologic diseases] Lopatta F, et al. **Arzneimittelforschung** 1986 Aug;36(8):1268–71 (Eng. Abstr.) **(Ger)**

[Antirheumatic drug therapy 1986: further uncertainty and new hope] Krüger K. **Fortschr Med** 1987 Jan 10;105(1):1–3 **(Ger)**

[Drug therapy of inflammatory rheumatic diseases] Keitel W. **Z Arztl Fortbild (Jena)** 1987;81(9):439–41 **(Ger)**

[Tenoxicam, a new long-acting non-steroidal anti-inflammatory drug. A placebo-controlled multicenter study] Gallo C, et al. **Clin Ter** 1987 Mar 15;120(5):405–14 (Eng. Abstr.) **(Ita)**

[Pulse-therapy in rheumatology] Shilkina NP, et al. **Ter Arkh** 1987;59(4):115–9 (75 ref.) **(Rus)**

ENZYMOLOGY

Synovial fluid alkaline phosphatase [letter] Cimmino MA, et al. **Arthritis Rheum** 1987 Feb;30(2):235–7

[Collagenases in rheumatology] Loyau G, et al. **Ann Biol Clin (Paris)** 1986;44(3):275–80 (62 ref.) (Eng. Abstr.) **(Fre)**

ETHNOLOGY

Rheumatic complaints in Tokelau. II. A comparison of migrants in New Zealand and non-migrants. The Tokelau Island migrant study. Wigley RD, et al. **Rheumatol Int** 1987;7(2):61–5

Rheumatic complaints in Tokelau. I. Migrants resident in New Zealand. The Tokelau Island migrant study. Wigley RD, et al. **Rheumatol Int** 1987;7(2):53–9

ETIOLOGY

The role of infectious agents in childhood rheumatic diseases. Models and evidence. Phillips PE. **Arthritis Rheum** 1977 Mar;20(2 Suppl):459–66

Influence of atmospheric factors on the rheumatic diseases. Latman NS. **Experientia** 1987 Jan 15;43(1):32–8

Acromegalic arthropathy: a reversible rheumatic disease [letter] Melo-Gomes JA, et al. **J Rheumatol** 1987 Apr; 14(2):393–4

[New findings on the etiology and pathogenesis of inflammatory rheumatic diseases] Koichev K, et al. **Vutr Boles** 1987;26(3):1–5 (0 ref.) **(Bul)**

[Role of chronic suppurative sinusitis as a focal infection in rheumatic diseases. Observations on several clinical cases hospitalized at the ORL Section of the Bacau General Hospital] Orghidan I. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun;32(2):113–7 **(Rum)**

FAMILIAL & GENETIC

Significance of histocompatibility genes in rheumatology. Omenn GS. **Arthritis Rheum** 1977 Mar;20(2 Suppl):484–96 (95 ref.)

Genetics of rheumatic diseases. Omenn GS. **Arthritis Rheum** 1977 Mar;20(2 Suppl):473–83 (85 ref.)

The immunoglobulin supergene family and the polygenic nature of inherited predisposition to rheumatic disease. van Kerckhove C, et al. **Arthritis Rheum** 1987 Aug;30(8):951–3

HLA antigens in palindromic rheumatism and palindromic onset rheumatoid arthritis. Fisher LR, et al. **Br J Rheumatol** 1986 Nov;25(4):345–8

HLA genes and predisposition to rheumatic diseases. Arnett FC. **Hosp Pract [Off]** 1986 Dec 15;21(12):89–100

Molecular cloning of cDNA for CENP-B, the major human

centromere autoantigen. Earnshaw WC, et al. **J Cell Biol** 1987 Apr;104(4):817–29

Pacemaker treated women with heart block have no increase in the frequency of HLA-B27 and associated rheumatic disorders in contrast to men—a sex linked difference in disease susceptibility. Bergfeldt L, et al. **J Rheumatol** 1986 Oct;13(5):941–3

[Current achievements in the study of genetic aspects of rheumatic diseases] Benevolenskaia LI. **Vestn Akad Med Nauk SSSR** 1986;(9):55–60 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Alpha 1-antitrypsin in acute anterior uveitis and rheumatic diseases. Saari KM, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):522–9

Levels of immunoglobulins (G, A and M) and circulatory immunocomplexes in Nigerians with joint pains. Oyemade GA, et al. **Afr J Med Med Sci** 1986 Mar–Jun;15(1–2):7–12

Fibronectin binding with immunoglobulin aggregates and its association with rheumatic disorders. Carter SD, et al. **Br J Rheumatol** 1986 Nov;25(4):353–8

Anticardiolipin antibodies in unselected autoimmune rheumatic disease patients. Manoussakis MN, et al. **Clin Immunol Immunopathol** 1987 Sep;44(3):297–307

First European ANA Symposium. Leuven, Belgium, 24–25 May 1984. Proceedings. **Clin Rheumatol** 1987 Jun;6 Suppl 1:1–106

Immunology of systemic lupus erythematosus and related rheumatic diseases. Koffler D. **Clin Symp** 1987;39(2):2–36

The detection of autoantibodies on HEp-2 cells using an indirect immunoperoxidase kit (Colorzyme). Fritzler MJ, et al. **Diagn Immunol** 1986;4(4):217–21

Human autoantibodies to poly(adenosine diphosphate-ribose) polymerase. Yamanaka H, et al. **J Clin Invest** 1987 Sep; 80(3):900–4

Prevalence of anti-SSA (Ro) antibodies in a Mexican population of patients with various systemic rheumatic diseases. García-de la Torre I, et al. **J Rheumatol** 1987 Jun;14(3):479–81

Autoantibodies against small nuclear ribonucleoprotein components. van Venrooij WJ. **J Rheumatol** 1987 Jun;14 Suppl 13:78–82

Rheumatoid factor and secondary rheumatoid disturbances in patients with haemophilia [letter] Barkagan ZS. **Vox Sang** 1987;52(4):335–6

[New perspectives in the immunologic exploration of rheumatic diseases] Franchimont P, et al. **Rev Med Liege** 1987 May 15;42(10):469 **(Fre)**

[Palindromic rheumatism. Immunologic survey and study of development in 43 cases] Brégeon C, et al. **Rev Rhum Mal Osteoartic** 1986 Jul–Sep;53(7–9):441–9 (Eng. Abstr.) **(Fre)**

[Quantification of SS-B autoantibodies in patient sera using highly purified human SS-B antigens and their clinical interpretation] Pfeifle J, et al. **Z Rheumatol** 1986 Nov–Dec; 45(6):296–303 (Eng. Abstr.) **(Ger)**

[Complement subcomponent C1q in rheumatic diseases] Yonemasu K, et al. **Ryumachi** 1986 Aug;26(4):299–311 (40 ref.) **(Jpn)**

[Autoimmune changes in various rheumatic diseases] Borisova AM. **Ter Arkh** 1986;58(7):43–6 (Eng. Abstr.) **(Rus)**

[Immunoglobulins and circulating immune complexes in rheumatism and infectious allergic myocarditis] Chuvikina VT, et al. **Vrach Delo** 1986 Aug;(8):36–9 (Eng. Abstr.) **(Rus)**

[Humoral and cellular immunity changes in active rheumatic disease in the adult] Rivero S, et al. **Rev Med Chil** 1987 Jan;115(1):10–5 (Eng. Abstr.) **(Spa)**

METABOLISM

[Fibronectin in plasma and synovial fluid from patients with rheumatic diseases] Matsumoto Y, et al. **Ryumachi** 1986 Aug;26(4):252–8 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

[Antibiotic resistance of revertant cultures of Streptococcus group A and of unclassified streptococci isolated from the blood of rheumatism patients] Vul'fovich IuV, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):628–33 (Eng. Abstr.) **(Rus)**

[Chronicity of the rheumatoid process] Ermolina LM, et al. **Ter Arkh** 1987;59(5):23–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

What can be learned from Third World rheumatism? [editorial] Muirden KD. **Br J Rheumatol** 1987 Feb;26(1):1–3

The spectrum of rheumatic diseases in Saudi Arabia. Rajapakse CN. **Br J Rheumatol** 1987 Feb;26(1):22–3

Repetitive strain syndrome: an Australian experience [editorial] Littlejohn GO. **J Rheumatol** 1986 Dec; 13(6):1004–6

The first 500 patients seen at a rheumatology clinic in a public hospital. Sheppeard H. **NZ Med J** 1986 Sep 24; 99(810):716–8

[Comparative studies of work disability and invalid status caused by rheumatic diseases in Czechoslovakia and East Germany with special reference to trend] Leistner K, et al. **Z Gesamte Hyg** 1987 Jan;33(1):40–3 (Eng. Abstr.) **(Ger)**

[Epidemiologic aspects of disability caused by rheumatic diseases in the Gera district, East Germany] Leistner K, et al. **Z Rheumatol** 1986 Sep–Oct;45(5):247–54 (Eng. Abstr.) **(Ger)**

[Analysis of working conditions and absences due to rheumatic diseases] Maitrović Z, et al. **Arh Hig Rada Toksikol** 1986 Mar;37(1):49–58 (Eng. Abstr.) **(Scr)**

[Analysis of morbidity in a rheumatology clinic with respect to occupation] Stanišić M, et al. **Arh Hig Rada Toksikol** 1985 Dec;36(4):379–85 (Eng. Abstr.) **(Scr)**

[Absenteeism due to rheumatic diseases in the district of Osijek during the past 17 years] Vujčić M, et al. **Arh Hig Rada Toksikol** 1986 Jun;37(2):231–43 (Eng. Abstr.) **(Scr)**

[Epidemiology of rheumatic diseases in Latin America] Alarcón GS. **Bol Of Sanit Panam** 1986 Oct;101(4):309–27 (Eng. Abstr.) **(Spa)**

[Epidemiology of rheumatic diseases] Paulino Tévar J, et al. **Med Clin (Barc)** 1987 May 16;88(19):776–84 (101 ref.) **(Spa)**

PATHOLOGY

Hypothesis: lymphocyte trafficking in inflammatory rheumatic disease. A role for receptor mediated homing. Schrieber L, et al. **J Rheumatol** 1987 Apr;14(2):194–6

[Pathologic anatomy and pathogenesis of inflammatory rheumatic diseases] Geiler G. **Z Arztl Fortbild (Jena)** 1987; 81(8):359–62 **(Ger)**

PHYSIOPATHOLOGY

Kinins and bone resorption in rheumatic disease. Kaplan AP. **Arthritis Rheum** 1987 May;30(5):589–92

Pathophysiology of rheumatic diseases. Schur PH. **Arthritis Rheum** 1977 Mar;20(2 Suppl):500–8 (39 ref.)

The B lymphocyte and antibody system. Aberrations in the rheumatic diseases. Stiehm ER. **Arthritis Rheum** 1977 Mar; 20(2 Suppl):425–33

Esophageal manometric findings in autoimmune rheumatic diseases: is scleroderma esophagus a specific entity? Tsianos EB, et al. **Rheumatol Int** 1987;7(1):23–7

PSYCHOLOGY

Psychosocial risk and resistance factors among children with chronic illness, healthy siblings, and healthy controls. Daniels D, et al. **J Abnorm Child Psychol** 1987 Jun; 15(2):295–308

The Hospital Anxiety and Depression Scale [letter] Huston GJ. **J Rheumatol** 1987 Jun;14(3):644

RADIOGRAPHY

Sacroiliitis: difficulties in the radiographic diagnosis. Advantage of CT? Preliminary report. Van Tiggelen R, et al. **J Belge Radiol** 1987;70(1):1–4

[Roentgenology in rheumatology] Schacherl M. **Z Rheumatol** 1987 Jan–Feb;46(1):19–24 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[The laser in physical medicine and rheumatology] Gritten C, et al. **Rev Med Liege** 1987 Mar 15;42(6):230–4 **(Fre)**

REHABILITATION

Roles and functions of occupational therapy in the management of patients with rheumatic diseases (position paper). American Occupational Therapy Association. **Am J Occup Ther** 1986 Dec;40(12):825–9

Physical and occupational therapy for children with rheumatic diseases. Scull SA, et al. **Pediatr Clin North Am** 1986 Oct;33(5):1053–77

[Physical therapy in inflammatory rheumatic diseases] Callies R, et al. **Z Gesamte Inn Med** 1987 Feb 15;42(4):101–4 (Eng. Abstr.) **(Ger)**

THERAPY

Long-term efficacy of EMG biofeedback for chronic rheumatic back pain. Flor H, et al. **Pain** 1986 Nov; 27(2):195–202

Community programs for children with rheumatic diseases. White PH, et al. **Pediatr Clin North Am** 1986 Oct; 33(5):1239–49

Immunomodulatory treatment in patients with rheumatic diseases: mechanisms of action. Tsokos GC. **Semin Arthritis Rheum** 1987 Aug;17(1):24–38 (126 ref.)

[Rheumatologic vademecum for the orthopedic surgeon. 4] Havelka S, et al. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):547–9 (Eng. Abstr.) **(Cze)**

[Treatment of diseases of the locomotor system in aged patients in clinical practice] Sipr K, et al. **Vnitr Lek** 1986 Nov;32(11):1106–13 (Eng. Abstr.) **(Cze)**

[Peloid therapy and its alternatives] Kleinschmidt JG, et al. **Fortschr Med** 1987 Jan 20;105(2):24–7 (Eng. Abstr.) **(Ger)**

[Organization of rheumatologic outpatient care in East Germany including epidemiologic aspects] Leistner K, et al. **Z Gesamte Hyg** 1987 Jan;33(1):36–9 (Eng. Abstr.) **(Ger)**

[Spa treatment of chronic rheumatic and bronchial diseases. Multiple regression multivariate analysis of therapeutic results] Liberati E. **Clin Ter** 1986 Aug 31;118(4):227–38 (Eng. Abstr.) **(Ita)**

[Ambulatory care for patients with rheumatic diseases] Gritsiuk AI, et al. **Vrach Delo** 1986 Sep;(9):4–7 **(Rus)**

RHEUMATISM, MUSCULAR see **FIBROSITIS**

RHEUMATISM, PERI-EXTRA-ARTICULAR see **POLYMYALGIA RHEUMATICA**

RHEUMATOID FACTOR

ANALYSIS

Relationship between levels of rheumatoid factor isotypes and complement component C3 conversion in blood from patients with rheumatoid arthritis. Kemp M, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1986 Aug; 94(4):171–4

Quantitative solid phase fluorescence immunoassay of rheumatoid factor and C-reactive protein in active rheumatoid arthritis. Cannon GW, et al. **Am J Clin Pathol** 1987 Feb;87(2):223–9

Immunoglobulin M rheumatoid factor in patients with mycoplasmal pneumonia. Mizutani H, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1237–40

SEAPAL quality control analysis of rheumatoid factor measurement in 29 diagnostic laboratories. Roberts-Thomson PJ, et al. **Ann Rheum Dis** 1987 May; 46(5):417–20

The timing of rheumatoid factor seroconversions [letter] Aho K, et al. **Arthritis Rheum** 1987 Jun;30(6):719–20

IgM rheumatoid factor plaque-forming cells in juvenile rheumatoid arthritis. Moore TL, et al. **Arthritis Rheum** 1987 Mar;30(3):335–8

Molecular forms of IgA rheumatoid factor in serum and synovial fluid of patients with rheumatoid arthritis. Schrohenloher RE, et al. **Arthritis Rheum** 1986 Oct; 29(10):1194–202

Radioimmunoassay for IgG and IgM rheumatoid factors. Sesso RC, et al. **Braz J Med Biol Res** 1986;19(3):395–401

Immunoassay of rheumatoid factor by latex particle counting. Borque LA, et al. **Clin Chem** 1987 May;33(5):704–7

Evaluation of a quantitative immunoturbidimetric assay for rheumatoid factors. Melamies LM, et al. **Clin Chem** 1986 Oct;32(10):1890–4

IgM, IgG and IgA rheumatoid factors and circulating immune complexes in patients with AIDS and AIDS-related complex with serological abnormalities. Procaccia S, et al. **Clin Exp Immunol** 1987 Feb;67(2):236–44

Detection of IgG-rheumatoid factor in sera of patients with acute poststreptococcal glomerulonephritis and its relationship with circulating immunecomplexes. Sesso RC, et al. **Clin Nephrol** 1986 Aug;26(2):55–60

Natural killer (NK) cells at inflammatory sites of patients with rheumatoid arthritis and IgM rheumatoid factor positive polyarticular juvenile rheumatoid arthritis. Thoen J, et al. **Clin Rheumatol** 1987 Jun;6(2):215–25

Rheumatoid factors in health and disease. Joshi VR, et al. **J Assoc Physicians India** 1986 Oct;34(10):693–5

Monoclonal antibodies defining a minor and a private idiotope on human rheumatoid factors. Pasquali JL, et al. **J Clin Immunol** 1986 Sep;6(5):349–54

Serum immune complexes and rheumatoid factors in superficial bladder tumours. Julkunen I, et al. **J Clin Lab Immunol** 1987 Mar;22(3):121–6

A rapid enzyme immunoassay for the detection of IgM rheumatoid factor—a comparison of "sero-negative" and "sero-positive" rheumatoid patients.Larkin JG, et al. **J Clin Lab Immunol** 1986 Aug;20(4):207–9

Prospective comparison of laser nephelometry with standard agglutination techniques for detection of rheumatoid factor. Prentice AG, et al. **J Clin Pathol** 1987 Feb;40(2):216–20

Clinical value of ELISA assays for IgM and IgG rheumatoid factors. Stone R, et al. **J Clin Pathol** 1987 Jan;40(1):107–11

The rheumatoid factor in human schistosomiasis. Seifein HB, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):301–7

Human rheumatoid factor crossidiotypes. I. WA and BLA are heat-labile conformational antigens requiring both heavy and light chains. Agnello V, et al. **J Exp Med** 1986 Nov 1;164(5):1809–14

Analysis of combined rheumatoid factor determinations by the rheumatoid arthritis latex and sheep cell agglutination tests and the American Rheumatism Association criteria for rheumatoid arthritis. Goodman LA, et al. **J Rheumatol** 1987 Apr;14(2):234–9

Interference of rheumatoid factor in competitive HIV assay [letter] Maniez-Montreuil M, et al. **Lancet** 1987 Aug 29; 2(8557):520

Anti-immunoglobulin antibody detection in adjuvant arthritis by an ELISA technique. Castell M, et al. **Pathol Res Pract** 1986 Dec;181(6):664–7

19S IgM rheumatoid factor-7S IgG rheumatoid factor immune complexes isolated in sera of patients with juvenile rheumatoid arthritis. Moore TL, et al. **Pediatr Res** 1986 Oct;20(10):977–81

Enzyme-linked immunosorbent assay (ELISA) screening test for detection of rheumatoid factor. Jonsson T, et al. **Rheumatol Int** 1986;6(5):199–204

Enzyme immunoassay of complement-binding rheumatoid factors. Teppo AM, et al. **Rheumatol Int** 1986;6(1):31–5

The distribution of class-specific rheumatoid factors is similar in rheumatoid and pre-illness sera. Tuomi T, et al. **Scand J Immunol** 1986 Dec;24(6):751–4

Transient elevation of serum rheumatoid factor following bone marrow transplantation. Manabe S, et al. **Transplant Proc** 1987 Apr;19(2):2971–4

Association of rheumatoid factors in renal transplant recipients with cytomegalovirus infection and not with rejection. Baldwin WM 3d, et al. **Transplantation** 1987 May; 43(5):658–62

Rheumatoid factor and secondary rheumatoid disturbances in patients with haemophilia [letter] Barkagan ZS. **Vox Sang** 1987;52(4):335–6

[Technical note on the demonstration of rheumatoid factor by immunofluorescence] Chaker R, et al. **Arch Inst Pasteur Tunis** 1986 Jun–Sep;63(2–3):285–8 (Eng. Abstr.) **(Fre)**

[Analysis and identification of rheumatoid factors in tears in Gougerot-Sjögren syndrome] Damillière B, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1365–72 **(Fre)**

[Class II HLA antigens and rheumatoid factors in rheumatoid polyarthritis. Inverse influence of DR4 and DR7 antigens?] Cohen JH, et al. **Rev Rhum Mal Osteoartic** 1986 Nov; 53(11):639–41 (Eng. Abstr.) **(Fre)**

[Rheumatoid factors. Isotypes and severity of rheumatoid polyarthritis] Fouquet B, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):31–5 (Eng. Abstr.) **(Fre)**

[Rheumatoid factors of immunoglobulin classes IgA, IgG and IgM: methods of determination and clinical value] Hermann E, et al. **Schweiz Med Wochenschr** 1986 Sep 20; 116(38):1290–7 (Eng. Abstr.) **(Ger)**

[Significance of selected laboratory findings in rheumatic diseases. 2: The second step in diagnosis] Apostoloff E, et al. **Z Arztl Fortbild (Jena)** 1987;81(9):409–12 **(Ger)**

[Latex fixation test] Bozděch V, et al. **Z Med Lab Diagn** 1986;27(5):252–6 (Eng. Abstr.) **(Ger)**

[Enzyme immunoassay in the detection of IgM rheumatoid factors] Hellthaler G, et al. **Z Med Lab Diagn** 1987; 28(2):81–6 (Eng. Abstr.) **(Ger)**

[Effects of various physiological factors on the quantitative determination of serum rheumatoid factor] Mukaida N, et al. **Rinsho Byori** 1987 Feb;35(2):187–91 **(Jpn)**

[Liver function tests: serologic diagnosis (non-specific reactions). A. RA and CRP] Tsuda H, et al. **Rinsho Byori** 1986 Jun;34 Spec No 67:109–12 **(Jpn)**

[Evaluation of quantitation of rheumatoid factor] Yamaguchi M, et al. **Rinsho Byori** 1986 Sep;34(9):1088–92 **(Jpn)**

[Prevalence of positive rheumatoid factor and results of a follow-up study in a population of 20,000] Kohsokabe S, et al. **Ryumachi** 1986 Jun;26(3):147–52 (Eng. Abstr.) **(Jpn)**

[Rheumatoid factor isotypes and immune complex isotypes in juvenile rheumatoid arthritis] Tanaka S, et al. **Ryumachi** 1986 Aug;26(4):259–69 (Eng. Abstr.) **(Jpn)**

[Clinical reflection of the immunologic heterogeneity of rheumatoid arthritis] Seisenbaev ASh, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):12–7 (Eng. Abstr.) **(Rus)**

[Seronegative rheumatoid arthritis—reality or fiction?] Aho K. **Ter Arkh** 1986;58(7):9–11 **(Rus)**

BIOSYNTHESIS

In vitro synthesis of IgM rheumatoid factor in response to Staphylococcus aureus, by lymphocytes from healthy adults. Goldstein R, et al. **Arthritis Rheum** 1986 Dec; 29(12):1440–5

High levels of in vitro IgM rheumatoid factor synthesis correlate with HLA-DR4 in normal individuals. Olsen NJ, et al. **Arthritis Rheum** 1987 Aug;30(8):841–8

Abnormal immunoglobulin and rheumatoid factor synthesis by blood lymphocytes in patients with primary Sjögren's syndrome. Rodriguez MA, et al. **Arthritis Rheum** 1986 Dec; 29(12):1446–55

In vitro synthesis of IgM rheumatoid factor by lymphocytes from patients with essential mixed cryoglobulinemia. Meroni PL, et al. **Clin Exp Immunol** 1986 Aug;65(2):303–10

Humoral immune function in severe, active rheumatoid arthritis. Boling EP, et al. **Clin Immunol Immunopathol** 1987 May;43(2):185–94

Decreased T-cell-mediated suppression of IgM—rheumatoid factor synthesis in rheumatoid arthritis. Olsen NJ, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):38–49

Enhanced in vitro IgM rheumatoid factor synthesis in seropositive rheumatoid arthritis families. Alarcón GS, et al. **Rheumatol Int** 1987;7(2):71–5

Rheumatoid factors are anti-idiotypic antibodies against virus-induced anti-Fc receptor antibodies. A hypothesis for the induction of some rheumatoid factors. Mouritsen S. **Scand J Immunol** 1986 Nov;24(5):485–90

Human lymphocytes making rheumatoid factor and antibody to ssDNA belong to Leu-1+ B-cell subset. Casali P, et al. **Science** 1987 Apr 3;236(4797):77–81

CLASSIFICATION

The subclass distribution of human IgG rheumatoid factor. Cohen PL, et al. **J Immunol** 1987 Sep 1;139(5):1466–71

DIAGNOSTIC USE

[Detection of immune complexes using the rheumatoid factor] Yoshinoya S, et al. **Rinsho Byori** 1986 Oct;Spec No 69:45–52 **(Jpn)**

GENETICS

Genetic structure of the population with rheumatoid arthritis in north east England: a genetic approach to define different subtypes. Papiha SS, et al. **Ann Rheum Dis** 1986 Nov;45(11):881–91

Molecular analysis of the murine lupus-associated anti-self response: involvement of a large number of heavy and light chain variable region genes. Kofler R, et al. **Eur J Immunol** 1987 Jan;17(1):91–5

Complete amino acid sequences of variable regions of two human IgM rheumatoid factors, BOR and KAS of the Wa idiotypic family, reveal restricted use of heavy and light chain variable and joining region gene segments. Newkirk MM, et al. **J Exp Med** 1987 Aug 1;166(2):550–64

A conserved human germline V kappa gene directly encodes rheumatoid factor light chains. Radoux V, et al. **J Exp Med** 1986 Dec 1;164(6):2119–24

Variable region sequences of murine IgM anti-IgG monoclonal autoantibodies (rheumatoid factors). II. Comparison of hybridomas derived by lipopolysaccharide stimulation and secondary protein immunization. Shlomchik M, et al. **J Exp Med** 1987 Apr 1;165(4):970–87

Genetic basis for the cross-reactive idiotypes on the light chains of human IgM anti-IgG autoantibodies. Chen PP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8318–22

IMMUNOLOGY

Rheumatoid factors. Immunochemical, molecular, and regulatory properties. Monestier M, et al. **Ann NY Acad Sci** 1986;475:106–13

IgM rheumatoid factor (RF), IgA RF, IgE RF, and IgG RF detected by ELISA in rheumatoid arthritis. Gioud-Paquet M, et al. **Ann Rheum Dis** 1987 Jan; 46(1):65–71

Rheumatoid factor and immune networks. Carson DA, et al. **Annu Rev Immunol** 1987;5:109–26

Monocyte Fc receptor function in rheumatoid arthritis. Enhanced cell-binding of IgG induced by rheumatoid factors. MacKinnon SK, et al. **Arthritis Rheum** 1987 May; 30(5):498–506

Differential reactivity of rheumatoid synovial cells and serum rheumatoid factors to human immunoglobulin G subclasses 1 and 3 and their CH3 domains in rheumatoid arthritis. Robbins DL, et al. **Arthritis Rheum** 1987 May;30(5):489–97

Preexisting human anti-murine immunoglobulin reactivity due to polyclonal rheumatoid factors. Courtenay-Luck NS, et al. **Cancer Res** 1987 Aug 15;47(16):4520–5

The common occurrence of internal image type anti-idiotypic antibodies in rabbits immunized with monoclonal and polyclonal human IgM rheumatoid factors. Fong S, et al. **Clin Exp Immunol** 1986 Jun;64(3):570–80

Studies on rheumatoid factor: I. The effect of rheumatoid factor on the clearance of preformed immune complexes in mice. Hogben DN, et al. **Clin Exp Immunol** 1986 Dec; 66(3):648–53

Prevalence of IgE rheumatoid factor (IgE RF) in mixed cryoglobulinemia and rheumatoid arthritis. Chatpar PC, et al. **Clin Exp Rheumatol** 1986 Oct-Dec;4(4):313–7

Monoclonal antibodies to restricted and cross-reactive idiotopes on monoclonal rheumatoid factors and their recognition of idiotope-positive cells. Ono M, et al. **Eur J Immunol** 1987 Mar;17(3):343–9

Restricted light chain subgroup expression on human rheumatoid factor paraproteins determined by monoclonal antibodies. Mageed RA, et al. **Immunology** 1986 Nov; 59(3):473–8

The effect of rheumatoid factor on the clearance of endogenous immune complexes formed in low-affinity mice during the induction of immune complex disease. Devey ME, et al. **Int Arch Allergy Appl Immunol** 1987; 83(2):206–9

Binding of monoclonal IgM rheumatoid factor to streptococci via the antibody combining site. Schröder AK, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):88–91

Monomeric (7S) IgM found in the serum of rheumatoid arthritis patients share idiotypes with pentameric (19S) monoclonal rheumatoid factors. Bonagura VR, et al. **J Clin Invest** 1987 Mar;79(3):813–8

Human rheumatoid factor crossidiotypes. II. Primary structure-dependent crossreactive idiotype, PSL2-CRI, present on Wa monoclonal rheumatoid factors is present on Bla and other IgM kappa monoclonal autoantibodies. Agnello V, et al. **J Exp Med** 1987 Jan 1;165(1):263–7

Human rheumatoid factors bear the internal image of the Fc binding region of staphylococcal protein A. Oppliger IR, et al. **J Exp Med** 1987 Sep 1;166(3):702–10

Specificity and molecular characteristics of monoclonal IgM rheumatoid factors from arthritic and non-arthritic mice. Aguado MT, et al. **J Immunol** 1987 Aug 15;139(4):1080–7

IgG antinuclear antibodies with cross-reactive rheumatoid factor activity. Darwin BS, et al. **J Immunol** 1986 Dec 15;137(12):3796–801

Cryoglobulinemia induced by monoclonal immunoglobulin G rheumatoid factors derived from autoimmune MRL/MpJ-lpr/lpr mice. Gyotoku Y, et al. **J Immunol** 1987 Jun 1;138(11):3785–92

Rheumatoid factors from patients with rheumatoid arthritis possess private repertoires of idiotypes. Nelson JL, et al. **J Immunol** 1987 Mar 1;138(5):1391–6

Mapping of four light chain-associated idiotopes of a human monoclonal rheumatoid factor. Pasquali JL, et al. **J Immunol** 1987 Aug 1;139(3):818–23

IgA immune complexes in patients with dermatitis herpetiformis occur in the absence of IgA rheumatoid factor. Hall RP, et al. **J Invest Dermatol** 1987 Jul; 89(1):27–31

19S IgM rheumatoid factor plaque forming cells in a five-year-old patient with juvenile rheumatoid arthritis [letter] Moore FL, et al. **J Rheumatol** 1986 Aug; 13(4):829–30

IgG subclasses in rheumatoid joint disorders. Stanworth DR. **Monogr Allergy** 1986;19:188–97

Antiimmunoglobulins of rheumatoid factor (RF) type in prediction of melanoma patients. Lochman I, et al. **Neoplasma** 1986;33(6):737–41

Rheumatoid factors in human autoimmune disease: their origin, development and function. Fong S, et al. **Pathol Immunopathol Res** 1986;5(3–5):305–16 (66 ref.)

Fine specificity, idiotypy, and nature of cloned heavy-chain variable region genes of murine monoclonal rheumatoid factor antibodies. Manheimer-Lory AJ, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8293–7

Rheumatoid factors in Ro (SSA) positive and Ro (SSA) negative rheumatoid arthritis patients. Gharavi AE, et al. **Rheumatol Int** 1986;6(2):61–2

The role of Ia positive T cells in patients with rheumatoid arthritis. Kato K, et al. **Rheumatol Int** 1986;6(1):1–5

Immunogenic and antigenic epitopes of immunoglobulins. XVII—Monoclonal antibodies reactive with common and restricted idiotopes to the heavy chain of human rheumatoid factors. Mageed RA, et al. **Rheumatol Int** 1986; 6(4):179–83

Monoclonal anti-idiotypic antibodies against monoclonal rheumatoid factors derived from patients with Sjögren's syndrome. Shimizu S, et al. **Scand J Rheumatol [Suppl]** 1986;61:106–10

[Rheumatoid factor inhibition of an ELISA test for anti-HIV antibodies (letter)] Reviron M, et al. **Presse Med** 1987 May 16;16(18):912 **(Fre)**

METABOLISM

Relation between bone erosions and rheumatoid factor isotypes. Arnason JA, et al. **Ann Rheum Dis** 1987 May; 46(5):380–4

T15 group A streptococcal Fc receptor binds to the same location on IgG as staphylococcal protein A and IgG rheumatoid factors. Nardella FA, et al. **J Immunol** 1987 Feb 1;138(3):922–6

"In vitro" production of immunoglobulins and rheumatoid factor by peripheral lymphocytes of aged humans. Fiorini G, et al. **Quad Sclavo Diagn** 1986 Jun;22(2):223–30

PHARMACODYNAMICS

Generation of superoxide by immunologically stimulated normal human neutrophils and possible modulation by intracellular and extracellular SOD and rheumatoid factors. Shingu M, et al. **Inflammation** 1987 Jun;11(2):143–51

SECRETION

Rheumatoid factor secretion from human Leu-1+ B cells. Hardy RR, et al. **Science** 1987 Apr 3;236(4797):81–3

RHEUMATOID NODULE

COMPLICATIONS

Chronic active hepatitis presenting with rheumatoid nodules and arthritis. Fitz JG, et al. **J Rheumatol** 1987 Jun; 14(3):595–8

Coexistence of rheumatoid nodulosis and gout. Strader KW, et al. **J Rheumatol** 1986 Aug;13(4):818–20

DIAGNOSIS

[Rheumatoid nodulosis] Dovigo L, et al. **Recenti Prog Med** 1987 May;78(5):235–9 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Sulphasalazine and regression of rheumatoid nodules. Englert HJ, et al. **Ann Rheum Dis** 1987 Mar;46(3):244–5

ETIOLOGY

[Rheumatoid nodules in patients without definite synovial damage. Review of the subject in relation to 3 cases] Belmonte Serrano MA, et al. **Med Clin (Barc)** 1987 Mar 21;88(11):463–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Macrophage migration and maturation within rheumatoid nodules. Palmer DG, et al. **Arthritis Rheum** 1987 Jul; 30(7):728–36

OCCURRENCE

Trends in rheumatoid arthritis [letter] Reilly PA. **Br J Rheumatol** 1987 Apr;26(2):158

PATHOLOGY

Meningioma with multiple rheumatoid nodules. A case report. Kepes JJ, et al. **Acta Neuropathol (Berl)** 1986; 70(3-4):314-9

Rheumatoid nodulosis: report of a case with evidence of intraosseous rheumatoid granuloma. Morales-Piga A, et al. **Arthritis Rheum** 1986 Oct;29(10):1278-83

Rheumatoid nodules of the spine: case report and review of the literature. Pearson ME, et al. **Arthritis Rheum** 1987 Jun;30(6):709-13 (14 ref.)

A mononuclear phagocyte subset associated with cell necrosis in rheumatoid nodules: identification with monoclonal antibody 5.5. Palmer DG, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):17-28

Rheumatoid nodules in liver [letter] Smits JG, et al. **Histopathology** 1986 Nov;10(11):1211-3

Rheumatoid nodulosis: an immunohistochemical and ultrastructural study. Feoli F, et al. **Rev Med Brux** 1986 Sep;7(7):401-6

PHYSIOPATHOLOGY

Pregnancy and benign rheumatoid nodules [letter] Sibley JT. **Am J Med** 1986 Dec;81(6):1124

RADIOGRAPHY

Intraosseous rheumatoid nodule. Brantley SD, et al. **Pediatr Radiol** 1987;17(5):432-4

RHEUMATOID PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

RHEUMATOLOGY

see related

COLLAGEN DISEASES

Response to Paolaggi et al: bridging the communications gap [letter] Jones JG. **Arthritis Rheum** 1986 Nov;29(11):1413

The potential of computer applications in rheumatology [editorial] Kirwan JR. **Br J Rheumatol** 1987 Feb;26(1):3-4

Computers in rheumatology. Thould AK, et al. **Br J Rheumatol** 1987 Feb;26(1):43-5

What a rheumatologist should know about the law: II. Personal injury cases and the medical practitioner in the witness box. Wright SJ. **Br J Rheumatol** 1987 Jun; 26(3):218-22

What a rheumatologist should know about the law: I. Battery, breach of contract and negligence. Wright SJ. **Br J Rheumatol** 1987 Apr;26(2):147-52

Proper poster presentation: a visual and verbal ABC. Wright V, et al. **Br J Rheumatol** 1987 Aug;26(4):292-4

Are combined orthopaedic and rheumatology clinics worth while? Newman RJ, et al. **Br Med J [Clin Res]** 1987 May 30;294(6584):1392-3

Breaking the language barrier in rheumatology [editorial] Gordon DA. **J Rheumatol** 1987 Feb;14(1):2-3

Anatomy of a knowledge-based consultant system: AI/RHEUM. Kingsland LC 3d, et al. **MD Comput** 1986 Sep-Oct;3(5):18-26

Perceptions of physical therapy competencies in rheumatology. Physical therapists versus rheumatologists. Moncur C. **Phys Ther** 1987 Mar;67(3):331-9

EDUCATION

Education in pediatric rheumatology. Schaller JG. **Arthritis Rheum** 1977 Mar;20(2 Suppl):598-601

The consultant's role in continuing medical education of general practitioners: the case of rheumatology. Badley EM, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):100-3

Rheumatology education in an undergraduate program of physical therapy. A new outlook. Downing DS, et al. **Phys Ther** 1987 Sep;67(9):1393-8

Pediatric rheumatology: fellowship training requirements and survey of specialty needs. Cassidy JT. **Rheum Dis Clin North Am** 1987 Apr;13(1):169-73

HISTORY

A century of American rheumatology. Benedek TG. **Ann Intern Med** 1987 Feb;106(2):304-12

The history of pediatric rheumatology. Bywaters EG. **Arthritis Rheum** 1977 Mar;20(2 Suppl):145-52

The history of pediatric rheumatology in the United States. Stillman JS. **Rheum Dis Clin North Am** 1987 Apr; 13(1):143-7

[The ideas of M. P. Konchalovskil in modern rheumatology] Nasonova VA, et al. **Klin Med (Mosk)** 1986 Aug;64(8):3-7 **(Rus)**

METHODS

Clinical measurements in rheumatology. Scott DL. **Br J Rheumatol** 1987 Apr;26(2):81-3

Analysis of combined rheumatoid factor determinations by the rheumatoid arthritis latex and sheep cell agglutination tests and the American Rheumatism Association criteria for rheumatoid arthritis. Goodman LA, et al. **J Rheumatol** 1987 Apr;14(2):234-9

Patient, observer and instrument variation in the measurement of strength of shoulder abductor muscles in patients with rheumatoid arthritis using a modified sphygmomanometer. Helewa A, et al. **J Rheumatol** 1986 Dec;13(6):1044-9

TRENDS

ARA presidential address. Wanted: catalysts for growth. American Rheumatism Association. Harris ED Jr. **Arthritis Rheum** 1986 Nov;29(11):1297-300

The ideal program for juvenile arthritis. Levinson JE. **Arthritis Rheum** 1977 Mar;20(2 Suppl):607-10

Fractionated total lymphoid irradiation: a promising new treatment for rheumatoid arthritis? Yes, no, maybe. Zvaifler NJ. **Arthritis Rheum** 1987 Jan;30(1):109-14

Whither metrology? Bird HA. **Br J Rheumatol** 1987 Jun; 26(3):165-7

Milestones in anti-inflammatory therapy. Huskisson EC. **Eur J Rheumatol Inflamm** 1987;9(1):3-5

Rheumatology--past, present, and future. Schattenkirchner M. **Eur J Rheumatol Inflamm** 1987;9(1):31-7

Pediatric rheumatology: the decade since Park City I. Brewer EJ Jr. **Rheum Dis Clin North Am** 1987 Apr;13(1):xv-xxiii

Future directions for pediatric rheumatology as an academic specialty. Survey of pediatric department chairpersons. Singsen BH. **Rheum Dis Clin North Am** 1987 Apr; 13(1):161-7

[Development, status and tasks of the Society of Pediatric Rheumatology] Lorenz K, et al. **Kinderarztl Prax** 1987 Apr; 55(4):213-6 (Eng. Abstr.) **(Ger)**

[Basic achievements and outlook in the development of rheumatology] Nasonova VA. **Ter Arkh** 1986;58(6):11-5 **(Rus)**

RHINENCEPHALON see **LIMBIC SYSTEM**

RHINITIS

BLOOD

Metabolic basis for asthma and rhinitis: an integrated approach. Agrawal KP, et al. **Lung** 1986;164(5):279-91

CHEMICALLY INDUCED

Asthma and rhinitis after exposure to glutaraldehyde in endoscopy units. Corrado OJ, et al. **Hum Toxicol** 1986 Sep; 5(5):325-8

Neonatal respiratory distress from rhinitis medicamentosa. Osguthorpe JD, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):829-31

[Rhinitis medicamentosa] Finsnes KA. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17-18):1558-9 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

[A complicated rhinitis] Baillot P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(3):249 **(Fre)**

[Rhinogenic meningitis today] Winkler U, et al. **Z Arztl Fortbild (Jena)** 1987;81(5):231-3 **(Ger)**

[Roentgenologic diagnosis of rhinocerebral mucormycosis] Kossovoi AL. **Vestn Otorinolrringol** 1986 Sep-Oct;(5):85-8 (39 ref.) **(Rus)**

DIAGNOSIS

Inflammatory and neoplastic disorders of the nasal mucosa. Lucente FE, et al. **Clin Dermatol** 1987 Apr-Jun;5(2):35-42 (23 ref.)

[The common cold] Landolt-Theus P. **Ther Umsch** 1986 Aug;43(8):646-9 (Eng. Abstr.) **(Ger)**

[Thermographic characteristics of combined inflammatory lesions of the pharyngeal tonsil, nasal cavity and paranasal sinuses in children] Psakhis GB, et al. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):11-4 (Eng. Abstr.) **(Rus)**

[Condition of the nasal cavity and paranasal sinuses in agricultural machine operators] Semenov FV. **Vestn Otorinolaringol** 1987 May-Jun;(3):43-7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Intraturbinal steroid injections [letter] Mabry RL. **Ear Nose Throat J** 1986 Dec;65(12):570

The effect of nedocromil sodium on nasal provocation with allergen. Corrado OJ, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):218-22

Ordinary and high-dose ipratropium in perennial nonallergic rhinitis. Kirkegaard J, et al. **J Allergy Clin Immunol** 1987 Apr;79(4):585-90

Anticholinergic drugs and the airways: "Time future contained in time past". Simons FE. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):239-42

Pharmacotherapy of nasal disease. Mygind N. **New Engl Reg Allergy Proc** 1985 Summer;6(3):245-8

[Flunisolide and beclomethasone in the treatment of non-allergic eosinophilic rhinitis] Zawisza E, et al. **Otolaryngol Pol** 1986;40(3):188-91 (Eng. Abstr.) **(Pol)**

[Effect of St. John's wort and wild marjoram on the course of experimental acute rhinitis] Podkolzin AA, et al. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):40-4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Flowers and other trigger factors in asthma and rhinitis--an inquiry study. Eriksson NE, et al. **Allergy** 1987 Jul; 42(5):374-81

Chronic asthma and rhinitis due to Candida albicans, epidermophyton, and trichophyton. Gumowski P, et al. **Ann Allergy** 1987 Jul;59(1):48-51

Bakers' rhinoconjunctivitis: a case report. Rosen JP. **New Engl Reg Allergy Proc** 1987 Jan-Feb;8(1):37-8

[Personal remarks apropos of our opinion on a nasal hyperreactivity syndrome] Chabrol A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(3):197-9 (Eng. Abstr.) **(Fre)**

[Role of the lateral nasal wall in the pathogenesis, diagnosis and therapy of recurrent and chronic rhinosinusitis] Messerklinger W. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun; 66(6):293-9 (36 ref.) (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Dermatoglyphic studies in allergic disorders. Jaju M, et al. **J Assoc Physicians India** 1986 Jul;34(7):494-5

IMMUNOLOGY

Correlation between serum IgA, secretory IgA and total serum IgE in asthmatic and rhinitic affected patients. Neffen H, et al. **Allergol Immunopathol (Madr)** 1986 Sep-Oct;14(5):413-8

A study of IgG blocking antibodies in patients affected with respiratory allergy. Vila M, et al. **Allergol Immunopathol (Madr)** 1987 Jan-Feb;15(1):43-8

Parameters of T cell mediated immunity to commensal micro-organisms in patients with chronic purulent rhinosinusitis: a comparison between delayed type hypersensitivity skin test, lymphocyte transformation test and macrophage migration inhibition factor assay. van de Plassche-Boers EM, et al. **Clin Exp Immunol** 1986 Dec; 66(3):516-24

Non allergic rhinitis: demography of eosinophils in nasal smear, blood total eosinophil counts and IgE levels. Settipane GA, et al. **New Engl Reg Allergy Proc** 1985 Fall; 6(4):363-6

[Relation between nasal mucosal congestion and reactivity] Kamori C, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb; 90(2):196-201 (Eng. Abstr.) **(Jpn)**

METABOLISM

Estimation of oestrogen and progesterone receptors in chronic rhinitis. Wilson JA, et al. **Clin Otolaryngol** 1986 Aug;11(4):213-8

MICROBIOLOGY

Mouse hepatitis virus nasoencephalopathy is dependent upon virus strain and host genotype. Barthold SW, et al. **Arch Virol** 1986;91(3-4):247-56

PATHOLOGY

[The surface of healthy and pathologically changed nasal mucosa using the scanning electron microscope] Miszke A, et al. **Otolaryngol Pol** 1986;40(2):73-86 (Eng. Abstr.) **(Pol)**

[Problems in the study of structural changes of the sinus mucosa in allergic patients] Ionescu N, et al. **Rev Chir [Otorinolaringol]** 1987 Jan-Mar;32(1):35-40 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Solar sneeze reflex [letter] Lang DM, et al. **JAMA** 1987 Mar 13;257(10):1330-1

Nasal response of rhinitic and non-rhinitic subjects to histamine and methacholine: a comparative study. Corrado OJ, et al. **Thorax** 1986 Nov;41(11):863-8

[Lung function tests in obstructive and inflammatory diseases of the nose and paranasal sinuses] Hajtman A, et al. **Cesk Otolaryngol** 1986 Nov;35(6):361-4 (Eng. Abstr.) **(Slo)**

[Changes in nasal mucociliary clearance in normal subject and in patients with various nasal pathologies] Armengot M, et al. **An Otorrinolaringol Ibero Am** 1987;14(2):171-9 (Eng. Abstr.) **(Spa)**

SURGERY

A 15-year retrospective of chronic rhinitis and cryosurgery. Principato JJ. **Ear Nose Throat J** 1986 Dec;65(12):558-63

Submucous diathermy of the inferior turbinates in chronic hypertrophic rhinitis. Talaat M, et al. **J Laryngol Otol** 1987 May;101(5):452-60

Toxic shock syndrome after nasal surgery. Wilson JA, et al. **Rhinology** 1987 Jun;25(2):139-40

THERAPY

Balanced physiological saline in the treatment of chronic rhinitis. Nuutinen J, et al. **Rhinology** 1986 Dec;24(4):265-9

[Controlled study of Rhinoterm in chronic noninfectious rhinitis (letter)] Philip-Joet F, et al. **Presse Med** 1987 Apr 18;16(14):684-5 **(Fre)**

[Therapeutic options in nasosinus allergy] Sbenghe-Tetu L, et al. **Rev Chir [Otorinolaringol]** 1987 Jan-Mar;32(1):31-4 (Eng. Abstr.) **(Rum)**

VETERINARY

Rhinitis, pneumonia, and defective neutrophil function in the Doberman pinscher. Breitschwerdt EB, et al. **Am J Vet Res** 1987 Jul;48(7):1054-62

Chronic rhinitis and sinusitis in budgerigars (Melopsittacus undulatus). Pass DA, et al. **Avian Dis** 1987 Apr–Jun; 31(2):425–7

Virulence factors of Bordetella bronchiseptica associated with the production of infectious atrophic rhinitis and pneumonia in experimentally infected neonatal swine. Roop RM 2d, et al. **Infect Immun** 1987 Jan;55(1):217–22

Clonal diversity and host distribution in Bordetella bronchiseptica. Musser JM, et al. **J Bacteriol** 1987 Jun; 169(6):2793–803

Evaluation by scoring and computerized morphometry of lesions of early Mycoplasma pulmonis infection and ammonia exposure in F344/N rats [published erratum appears in Vet Pathol 1986 Nov;23(6):785] Pinson DM, et al. **Vet Pathol** 1986 Sep;23(5):550–5

Effect of human alpha-hybrid interferon on the course of feline viral rhinotracheitis. Cocker FM, et al. **Vet Rec** 1987 Apr 18;120(16):391–3

An enzyme-linked immunosorbent assay for the serodiagnosis of turkey rhinotracheitis infection. Grant M, et al. **Vet Rec** 1987 Mar 21;120(12):279–80

Experimental infection of chickens with a ciliostatic agent isolated from turkeys with rhinotracheitis. Jones RC, et al. **Vet Rec** 1987 Mar 28;120(13):301–2

RHINITIS, ALLERGIC, NONSEASONAL see **RHINITIS, ALLERGIC, PERENNIAL**

RHINITIS, ALLERGIC, PERENNIAL

DIAGNOSIS

Clinical history, skin prick test and RAST in the diagnosis of birch and timothy pollinosis. Petersson G, et al. **Allergy** 1986 Aug;41(6):398–407

The diagnosis of perennial rhinitis due to house dust mite (Dermatophagoides pteronyssinus) demonstrated by nasal provocation tests. Clarke PS. **Ann Allergy** 1987 Jul; 59(1):25–8

The RAST debate continues [letter] Clarke P, et al. **Aust Fam Physician** 1987 Apr;16(4):370

The use of intradermal tests and relevance of negative controls in patients with negative or equivocal modified RAST test scores to inhalant allergens. Radford ER, et al. **Laryngoscope** 1987 Jun;97(6):675–7

Nasal disorders in children. Allergic rhinitis, vasomotor rhinitis, and nasal polyps. McDonald TJ. **Postgrad Med** 1987 Jun;81(8):65–8, 70, 72 passim

Allergic rhinitis. A useful guide to diagnosis and treatment. Stafford CT. **Postgrad Med** 1987 Jan;81(1):147–51, 154, 157

Seasonal variability in nasal sensitivity to house dust mite extract. van Wijk RG, et al. **Rhinology** 1987 Mar;25(1):41–8

A comparison of skin test reactions in allergic rhinitis and patients with asthma/rhinitis. Ogisi FO. **Trop Geogr Med** 1987 Apr;39(2):173–6

[Diagnosis and treatment of allergy to Acaridae] Pécoud A. **Rev Med Suisse Romande** 1986 Oct;106(10):889–91 **(Fre)**

[Diagnosis and therapy of allergic diseases of the mucous membrane of the upper respiratory tract] Zenner HP. **Arch Otorhinolaryngol [Suppl]** 1987;1:85–166 (409 ref.) **(Ger)**

[Diagnosis and treatment of allergic rhinitis by a rhinologist-allergologist and surgeon team. I] Guillén Toledo J. **Alergia** 1986 Oct–Dec;33(4):89–95 (Eng. Abstr.) **(Spa)**

[Diagnosis and treatment of allergic rhinitis in the office of the allergist who is rhinologist and surgeon. II] Guillén Toledo J. **Alergia** 1987 Jan–Mar;34(1):11–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Efficacy of an H1 antagonist, astemizole, for chronic allergic rhinitis. Wilson WR, et al. **Am J Otolaryngol** 1987 May–Jun;8(3):157–60

Treatment of allergic rhinitis with a new long-acting H1 receptor antagonist: astemizole. Sooknundun M, et al. **Ann Allergy** 1987 Jan;58(1):78–81

Clinical profile of astemizole. A survey of 50 double-blind trials. Vanden Bussche G, et al. **Ann Allergy** 1987 Mar; 58(3):184–8

Effect of beclomethasone dipropionate on nasal metachromatic cell sub-populations. Otsuka H, et al. **Clin Allergy** 1986 Nov;16(6):589–95

Therapy for asthma and allergic rhinitis. Richards W. **Compr Ther** 1987 Aug;13(8):7–12

The effect of cromolyn on nasal disease. Schwartz HJ. **Ear Nose Throat J** 1986 Oct;65(10):449–56 (47 ref.)

Treatment of perennial allergic rhinitis by sodium cromoglycate plus 0.025 per cent xylometazoline (a double-blind study). Fradis M, et al. **J Laryngol Otol** 1987 Jul;101(7):666–72

OTCs vs. Rx for allergic rhinitis. Pepper GA. **Nurse Pract** 1987 Jun;12(6):58–62

Perennial rhinitis treated with a new steroid: fluocortin butylester (FCB). Moesgaard-Nielsen V, et al. **Rhinology** 1986 Sep;24(3):175–9

[Topical treatment of allergic rhinitis] Varonier HS. **Rev Med Suisse Romande** 1986 Oct;106(10):909–12 **(Fre)**

[Experience with ketotifen in respiratory tract diseases] Wenz W, et al. **Allerg Immunol (Leipz)** 1986;32(3):215–22 (Eng. Abstr.) **(Ger)**

[Effects of cepharanthine on experimental nasal allergy] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1986 Aug; 88(2):71–6 (Eng. Abstr.) **(Jpn)**

[Topical sodium cromoglycate in allergic rhinitis] López Delgado HA, et al. **Alergia** 1987 Jan–Mar;34(1):3–9 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Occupational allergy to weeping fig in plant keepers. Axelsson IG, et al. **Allergy** 1987 Apr;42(3):161–7

Contact urticaria and rhinitis from latex surgical gloves. Carrillo T, et al. **Contact Dermatitis** 1986 Aug;15(2):69–72

Occupational asthma and rhinitis related to laboratory rats: serum IgG and IgE antibodies to the rat urinary allergen. Platts-Mills TA, et al. **J Allergy Clin Immunol** 1987 Mar; 79(3):505–15

Respiratory allergy to inhaled bat guano. el-Ansary EH, et al. **Lancet** 1987 Feb 7;1(8528):316–8

Recent advances in house dust allergy: case reports and review. Listernick JM. **New Engl Reg Allergy Proc** 1985 Spring;6(2):153–7

[Retrospective study of a group of children with respiratory disorders of an atopic nature] Sala F, et al. **Minerva Pediatr** 1987 Feb 28;39(3–4):103–11 (Eng. Abstr.) **(Ita)**

[Pathogenesis of airway diseases—the relationship between upper and lower airway] Okuda M. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1227–31 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

[The prurigo-rhinitis-asthma syndrome in monozygotic twins] Romański B. **Pol Tyg Lek** 1987 Jan 19–26; 42(3–4):99–100 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Allergy screening in asthma and allergic rhinitis. Which allergens should be used? Eriksson NE. **Allergy** 1987 Apr; 42(3):189–95

Histamine concentrations in nasal secretion and secretory activity in allergic rhinitis. Linder A, et al. **Allergy** 1987 Feb;42(2):126–34

House dust mite-specific IgE, IgG1, and IgG4 antibodies in patients with perennial rhinitis. Ohashi Y, et al. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):434–7

Nasal allergen sensitivity and mucosal IgE antibodies. Ohashi Y, et al. **ORL J Otorhinolaryngol Relat Spec** 1987; 49(3):163–7

[Frequency of respiratory allergens involved in rhinitis and bronchial asthma in adults. Prospective study] Duc J, et al. **Schweiz Med Wochenschr** 1986 Sep 6;116(36):1205–10 (Eng. Abstr.) **(Fre)**

[On the article "Incidence of respiratory allergens implicated in bronchial asthma in adults—prospective study" (letter)] Wüthrich B. **Schweiz Med Wochenschr** 1986 Nov 22; 116(47):1660 **(Ger)**

[Effect of growth on nasal allergy in children. Part 2. IgE levels in the serum and nasal secretions, and the percentage of histamine release] Hamaguchi F, et al. **Arerugi** 1987 Jan; 36(1):16–21 (Eng. Abstr.) **(Jpn)**

[Specific IgE antibody against dermatophagoides pteronyssinus in nasal secretion and nasal mucosa of asthmatic children with subclinical nasal allergy] Ukai K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Apr; 90(4):577–82 (Eng. Abstr.) **(Jpn)**

[T-cell subpopulation in the nasal mucosa of allergic rhinitis defined by monoclonal antibodies] Yamaguchi K. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):1030–6 (Eng. Abstr.) **(Jpn)**

[Specific IgE antibodies in the sera of patients with allergic rhinitis] Ligeziński A. **Otolaryngol Pol** 1986;40(3):182–7 (Eng. Abstr.) **(Pol)**

METABOLISM

Decrease of beta-receptors in asthmatic and rhinitic patients. Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1987 Mar–Apr;15(2):65–8

OCCURRENCE

[Rhinitis and allergens in Saudi Arabia] Sørensen H. **Ugeskr Laeger** 1987 Jan 19;149(4):216–9 (Eng. Abstr.) **(Dan)**

PATHOLOGY

[Contact allergic reactions in the respiratory mucosa. A differential diagnosis with malignant lymphoma] Enzmann H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug; 65(8):434–7 (Eng. Abstr.) **(Ger)**

[Ultrastructural changes in the human nasal respiratory epithelium in hypersensitivity reactions] Nazer RM, et al. **Allergol Immunopathol (Madr)** 1986 Nov–Dec;14(6):619–26 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Nasal mucociliary function in normal adults and different nasal diseases. Yang DJ, et al. **Chin Med J [Engl]** 1986 Dec;99(12):969–72

Changes of adrenergic and muscarinic cholinergic receptors in nasal mucosa in nasal allergy. Konno A, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(2):103–11

[Role of the histamine receptors in the inhibition of histamine release—blocking examination with H1 and H2 antagonists in the leukocytes of cedar pollinosis patients] Baba K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov; 89(11):1703–8 (Eng. Abstr.) **(Jpn)**

[Histamine release from peripheral leukocytes in patients with cedar pollinosis—the relationship between histamine release and the symptoms, skin test and nasal provocation test] Sato K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Nov; 89(11):1650–60 (Eng. Abstr.) **(Jpn)**

[Exercise-induced changes in nasal resistance in patients with nasal allergy] Ishikawa T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1987 Jan;25(1):57–61 (Eng. Abstr.) **(Jpn)**

[Status of equilibrium and hearing in patients with allergic rhinitis] Gniazdowski R, et al. **Wiad Lek** 1986 Dec 15; 39(24):1666–74 (Eng. Abstr.) **(Pol)**

SURGERY

Laser surgery for allergic rhinitis. Fukutake T, et al. **Arch Otolaryngol Head Neck Surg** 1986 Dec;112(12):1280–2

Previous ear, nose and throat surgery in children presenting with allergic perennial rhinitis. Sanderson J, et al. **Clin Allergy** 1987 Mar;17(2):113–7

Turbinectomies for allergic and vasomotor rhinitis [letter] Bhargava KB, et al. **Ear Nose Throat J** 1987 Mar; 66(3):125–6

THERAPY

Local immunotherapy in chronic allergic rhinitis and bronchial asthma with allergen aerosols. III. Dynamics of some sensitization and immunity indexes. Moshkevich VS, et al. **Allergol Immunopathol (Madr)** 1986 Jul–Aug; 14(4):277–85

Treatment of allergic rhinitis [letter] Clarke PS. **Aust Fam Physician** 1986 Nov;15(11):1407

Sublingual therapy for allergic rhinitis [letter] Amlstedt S, et al. **Clin Allergy** 1987 Jan;17(1):85–8

Low dose sublingual therapy in patients with allergic rhinitis due to house dust mite. Scadding GK, et al. **Clin Allergy** 1986 Sep;16(5):483–91

Low dose sublingual therapy in patients with allergic rhinitis due to house dust mite [editorial] Warner JO. **Clin Allergy** 1986 Sep;16(5):387–8

Changes of house dust mite-specific IgE, IgG and IgG subclass antibodies during immunotherapy in patients with perennial rhinitis. Nakagawa T, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):95–9

Polyarteritis nodosa presenting as serous otitis media in a patient receiving hyposensitization therapy. Thomson JG, et al. **J Rheumatol** 1986 Oct;13(5):958–60

[Hyposensitization in the treatment of allergic conditions. Indications and clinical effects in allergic rhinoconjunctivitis] Heinig JH, et al. **Ugeskr Laeger** 1987 Jun 15;149(25):1663–6 (Eng. Abstr.) **(Dan)**

[Therapy of allergic rhinitis in childhood] Cantani A, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):60–2 (Eng. Abstr.) **(Ger)**

[Hyposensitization therapy of nasal allergy—clinical efficacy of polymerized mite antigen] Koseki H. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Aug;89(8):1051–63 (Eng. Abstr.) **(Jpn)**

[Effects of iodine-enriched egg (IE-egg) on nasal allergy: basic and clinical investigations] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):223–8 (Eng. Abstr.) **(Jpn)**

[Combined use of ultrasound and Peloidin in treating patients with chronic allergic rhinosinusitis of bacterial origin] Pogosov VS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul–Aug; (4):48–50 **(Rus)**

RHINITIS, ALLERGIC, SEASONAL see **HAY FEVER**

RHINITIS, ATROPHIC

PATHOLOGY

Chronic atrophic rhinitis with fetor (ozena): a histopathologic tretise. Abdel-Latif SM, et al. **Rhinology** 1987 Jun; 25(2):117–20

PHYSIOPATHOLOGY

Nasal mucociliary function in normal adults and different nasal diseases. Yang DJ, et al. **Chin Med J [Engl]** 1986 Dec;99(12):969–72

Stimulation of bone resorption by inflamed nasal mucosa, dermonecrotic toxin-containing conditioned medium from Pasteurella multocida, and purified dermonecrotic toxin from P. multocida. Kimman TG, et al. **Infect Immun** 1987 Sep;55(9):2110–6

SURGERY

Osteoperiosteal flap in the treatment of ozena. New technique. Rasmy E. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):645–6

[Surgical treatment of ozena] Udovički J. **Med Pregl** 1986; 39(7–8):367–71 (Eng. Abstr.) **(Ser)**

VETERINARY

Epizootiological studies on porcine atrophic rhinitis. X. Study of the heat-labile exotoxin (HLT) of Pasteurella multocida in mice. Eliás B, et al. **Acta Vet Hung** 1986; 34(3-4):137-43

Induced atrophic rhinitis in rats. Kimman TG, et al. **Am J Vet Res** 1986 Nov;47(11):2426-30

Isolation of toxigenic Pasteurella multocida from an outbreak of atrophic rhinitis in pigs. Mercy AR, et al. **Aust Vet J** 1986 Aug;63(8):256-8

Nasal mucosa biopsy in the diagnosis of porcine atrophic rhinitis. de Schaepdryver L. **Br Vet J** 1987 May-Jun; 143(3):246-53

Genetic control of immune response to pseudorabies and atrophic rhinitis vaccines: II. Comparison of additive direct and maternal genetic effects. Meeker DL, et al. **J Anim Sci** 1987 Feb;64(2):414-9

Genetic control of immune response to pseudorabies and atrophic rhinitis vaccines: I. Heterosis, general combining ability and relationship to growth and backfat. Meeker DL, et al. **J Anim Sci** 1987 Feb;64(2):407-13

Hemagglutination by Pasteurella multocida of porcine origin. Fortin M, et al. **J Clin Microbiol** 1987 May;25(5):938-9

Bordetella bronchiseptica and toxigenic type D Pasteurella multocida as agents of severe atrophic rhinitis of swine. Rhodes MB, et al. **Vet Microbiol** 1987 Feb;13(2):179-87

A field evaluation of Nobi-Vac atrophic rhinitis vaccine. de Jong MF, et al. **Vet Q** 1987 Jan;9(1):49-59

Prevention of atrophic rhinitis in piglets by means of intranasal administration of a live non-AR-pathogenic Bordetella bronchiseptica vaccine. de Jong MF. **Vet Q** 1987 Apr;9(2):123-33

On the occurrence of toxin-producing Pasteurella-multocida-strains in atrophic rhinitis and in pneumonias of swine and cattle. Kielstein P. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):418-24

[Pasteurella multocida as the agent of atrophic rhinitis: significance of dermonecrotoxin in the suckling mouse test and in vitro demonstration of adherence properties] Kielstein P, et al. **Zentralbl Veterinarmed [B]** 1987 Apr; 34(3):216-26 (Ger)

RHINITIS, VASOMOTOR

COMPLICATIONS

[Spasmophilia in vasomotor rhinopathies] Di Nicola V, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):659-64 (Eng. Abstr.) (Ita)

DIAGNOSIS

Nasal disorders in children. Allergic rhinitis, vasomotor rhinitis, and nasal polyps. McDonald TJ. **Postgrad Med** 1987 Jun;81(8):65-8, 70, 72 passim

DRUG THERAPY

A trial of intranasal Atrovent versus placebo in the treatment of vasomotor rhinitis. Knight A, et al. **Ann Allergy** 1986 Nov;57(5):348-54

Autonomic dysfunction in perennial vasomotor rhinitis and the effect of mequitazine. Mayeux D, et al. **Curr Med Res Opin** 1986;10(5):330-8

Control of the hypersecretion of vasomotor rhinitis by topical ipratropium bromide. Dolovich J, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):274-8

[Use of prodektin in the treatment of children with vasomotor rhinitis] Iaroslavtsev VA, et al. **Vestn Otorinolaringol** 1987 May-Jun;(3):79 (Rus)

ETIOLOGY

Autonomic microganglia of the nasal mucosa and their relation to vasomotor rhinitis. Galan Cortes JG, et al. **Clin Otolaryngol** 1986 Oct;11(5):373-82

IMMUNOLOGY

[Immunopathologic aspects of vasomotor rhinitis. Therapeutic considerations] Cincă D, et al. **Rev Chir [Otorinolaringol]** 1986 Jul-Sep;31(3):189-92 (Eng. Abstr.) (Rum)

PATHOLOGY

Ultrastructural observations on vasomotor rhinitis. Elwany S, et al. **ORL J Otorhinolaryngol Relat Spec** 1987; 49(4):199-205

[Structural changes in the nasal mucosa in vasomotor rhinitis] Piskunov SZ, et al. **Vestn Otorinolaringol** 1987 Mar-Apr; (2):46-9 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Microcirculation in patients with vasomotor rhinitis and its dynamics before and after the therapeutic use of laser irradiation] Filatov VF, et al. **Vestn Otorinolaringol** 1986 Nov-Dec;(6):63-6 (Eng. Abstr.) (Rus)

SURGERY

Turbinectomies for allergic and vasomotor rhinitis [letter] Bhargava KB, et al. **Ear Nose Throat J** 1987 Mar; 66(3):125-6

Does submucosal diathermy to the inferior turbinates reduce nasal resistance to airflow in the long term? Jones AS, et al. **J Laryngol Otol** 1987 May;101(5):448-51

[10 years' results of the electrocoagulation of the vidian nerve by endonasal approach] Rebufy M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(3):209-11 (Eng. Abstr.) (Fre)

[Histologic changes in the epithelium of the respiratory mucosa of the lower turbinates following argon laser strip carbonization in vasomotor rhinitis] Lenz H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug;65(8):438-44 (Eng. Abstr.) (Ger)

THERAPY

Vasomotor rhinitis [editorial] Jones AS, et al. **Br Med J [Clin Res]** 1987 Jun 13;294(6586):1505-6

[Treatment of patients with vasomotor rhinitis using snake venom] Ibragimov GT, et al. **Vestn Otorinolaringol** 1987 Jan-Feb;(1):39-41 (Eng. Abstr.) (Rus)

[Use of intal electrophoresis in the combined treatment of patients with vasomotor rhinitis] Mitrofanova GF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar-Apr; (2):45-6 (Rus)

RHINOPHARYNX see **NASOPHARYNX**

RHINOPHYMA see under **ROSACEA**

RHINOPLASTY

Conclusions after 122 revision rhinoplasties: brief review of cases. Lovas RM. **Aesthetic Plast Surg** 1986;10(4):225-30

Augmentation rhinoplasty [letter] Ablow KS. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):779

Iatrogenic nasal tip bossae. Etiology, prevention, and treatment. Goodwin WJ Jr, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):737-9

Minicomposite graft for nasal alar revision. Kamer FM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Sep; 113(9):943-9

Rhinophyma. Wiemer DR. **Clin Plast Surg** 1987 Apr; 14(2):357-65

The use of cartilage in reconstructive head and neck and otologic surgery. Martinez SA. **Ear Nose Throat J** 1986 Nov;65(11):497-500

Rhinoplasty: a CT-scan analysis. Daniel RK, et al. **Plast Reconstr Surg** 1987 Aug;80(2):175-84

External approach for secondary rhinoplasty. Gunter JP, et al. **Plast Reconstr Surg** 1987 Aug;80(2):161-74

Arteriovenous malformation following rhinoplasty [letter] Levet Y, et al. **Plast Reconstr Surg** 1987 Feb;79(2):302-3

Toxic shock syndrome following breast and nasal surgery. Tobin G, et al. **Plast Reconstr Surg** 1987 Jul;80(1):111-4

Secondary rhinoplasty of the nasal tip and columella. The choice of cartilage grafts. Nicolle FV. **Scand J Plast Reconstr Surg** 1986;20(1):67-73

[Sequelae of childhood radiotherapy of the orbito-fronto-nasal area: simultaneous lacrimal anastomoses and bone reconstruction] Réal JP. **Ann Chir Plast Esthet** 1986;31(3):296-300 (Eng. Abstr.) (Fre)

[The cartilaginous crooked nose in the no-man's land between specialty disciplines (thoughts and observations from a rhinosurgical practice)] Fritz K. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov;65(11):652-4 (Eng. Abstr.) (Ger)

[How do I manage the composite graft intra- and postoperatively?] Walter C. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):290 (Ger)

ADVERSE EFFECTS

Constriction of the internal nasal valve in rhinoplasty: treatment and prevention. Adamson JE. **Ann Plast Surg** 1987 Feb;18(2):114-21

Complications of external rhinoplasty [letter] Anderson JR. **Arch Otolaryngol Head Neck Surg** 1987 May;113(5):561

Complications of the external (combination) rhinoplasty approach. Burgess LP, et al. **Arch Otolaryngol Head Neck Surg** 1986 Oct;112(10):1064-8

Blindness as a complication of rhinoplasty. Cheney ML, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):768-9

A devitalized tooth as a complication of septorhinoplasty. Sykes JM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):765-7

Nasal tip numbness following rhinoplasty. Thompson AC. **Clin Otolaryngol** 1987 Apr;12(2):143-4

EDUCATION

The expert teaching system: a new method for learning rhinoplasty using interactive computer graphics. Constantian MB, et al. **Plast Reconstr Surg** 1987 Feb; 79(2):278-83

HISTORY

The evolution of functional and reconstructive surgery of the nose. Beaumont GD. **Aust NZ J Surg** 1987 Mar; 57(3):197-8

History of nasal reconstruction. A brief survey. Mazzola RF. **Handchir Mikrochir Plast Chir** 1987 Jan;19(1):4-6

INSTRUMENTATION

A different rasp for rhinoplasty. Trepsat F. **Plast Reconstr Surg** 1987 Apr;79(4):638-9

[Fixation, using a miniaturized screw, of a bone graft of the nasal crest] Mariano A, et al. **Ann Chir Plast Esthet** 1986; 31(4):381-3 (Eng. Abstr.) (Fre)

[Modification of a syringe-tube for administering tissue adhesives in endonasal rhinosurgery] Starokha AV. **Vestn Otorinolaringol** 1987 Jan-Feb;(1):66-7 (Rus)

METHODS

New data in the correction of twisted noses. Crestinu J. **Aesthetic Plast Surg** 1986;10(4):231-4

Securing of the nasal skin under the cast in rhinoplasty. Mahler D. **Aesthetic Plast Surg** 1986;10(4):235-6

Nasal augmentation in the problem nose. Regnault P. **Aesthetic Plast Surg** 1987;11(1):1-5

The stair-step flap for nasal reconstruction. Hallock GG, et al. **Ann Plast Surg** 1987 Jan;18(1):34-6

Secondary rhinoplasty. Juri J, et al. **Ann Plast Surg** 1987 May;18(5):366-76

Supramid tip implants in rhinoplasty. Review of 98 cases. Fanous N, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):728-36

Lengthening the congenitally short nose. Giammanco PF. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1113-6

Reconstruction of nasal defects with a nasolabial island flap. Giebfried JW, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):295-8

Total septal reconstruction through decortication (external) approach in children. Jugo SB. **Arch Otolaryngol Head Neck Surg** 1987 Feb;113(2):173-8

Tissue clay': A new technique for augmentation rhinoplasty. Sachs ME. **Arch Otolaryngol Head Neck Surg** 1987 Mar; 113(3):289-91

The gull wing incision in cleft lip rhinoplasty. Puckett CL, et al. **Cleft Palate J** 1987 Apr;24(2):163-7

Implants in nasal surgery. Falcone CL, et al. **Ear Nose Throat J** 1986 Nov;65(11):517-21

Choice of techniques in nasal repairs. Lupo G, et al. **Handchir Mikrochir Plast Chir** 1987 Jan;19(1):7-9

Correction of the kinked nostril rim. Egyedi P, et al. **J Maxillofac Surg** 1986 Oct;14(5):289-90

In-rolling the drooping nostril rim in cleft patients. Egyedi P, et al. **J Maxillofac Surg** 1986 Dec;14(6):308-10

The geometry of alar base resection. Ellis DA, et al. **J Otolaryngol** 1987 Feb;16(1):46-8

The over-projecting nasal tip: precise reduction without rotation. Close LG, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):931-6

Steps for a safer method of osteotomies in rhinoplasty. Thomas JR, et al. **Laryngoscope** 1987 Jun;97(6):746-7

Long-term results after septal surgery--submucous resection versus septoplasty. Haraldsson PO, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(4):218-22

Classification of nasal defects: a practical guide for reconstruction. O'Quinn B Jr, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):5-9

A model for planning rhinoplasty. Constantian MB. **Plast Reconstr Surg** 1987 Mar;79(3):472-81

Alar rim lowering. Ellenbogen R. **Plast Reconstr Surg** 1987 Jan;79(1):50-7

The Goldman tip in secondary rhinoplasty. Friedman WH, et al. **Plast Reconstr Surg** 1987 Mar;79(3):339-45

Surgical correction of the nose and midface in maxillonasal dysplasia (Binder's syndrome). Holmström H. **Plast Reconstr Surg** 1986 Nov;78(5):568-80

Nasal tip projection: counterpoint. Lewis JR Jr. **Plast Reconstr Surg** 1987 Sep;80(3):356-65

Reconstructing the columella with nasolabial flaps [letter] Nicolai JP. **Plast Reconstr Surg** 1987 Feb;79(2):316-7

A new twist to the nasolabial flap for reconstruction of lateral alar defects. Spear SL, et al. **Plast Reconstr Surg** 1987 Jun; 79(6):915-20

Isolated naso-ocular cleft: a one-stage repair [letter] Thomson HG. **Plast Reconstr Surg** 1986 Dec;78(6):831-2

Rhinoplasty: the importance of consistent documentation and significant long-term follow-up. Webber WB. **Plast Reconstr Surg** 1987 Apr;79(4):640-54

Septo-rhinoplasty. Hu XH, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(3):193-5

Transplantation terminology in nasal surgery. Helder AH, et al. **Rhinology** 1986 Dec;24(4):235-6

Routine reinsertion of the hump in rhinoplasty. Lejour M, et al. **Scand J Plast Reconstr Surg** 1986;20(1):55-9

Cleft lip nose surgery. Kobus K. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):87-94

[Treatment of deviated nose and septum. A report of five cases of septo-rhinoplasty] Hu XH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):167-70 (Eng. Abstr.) (Chi)

[Use of the operating microscopy in septorhinoplasty] Navrátil J. **Cesk Otolaryngol** 1987 Mar;36(2):75-7 (Eng. Abstr.) (Cze)

[The place of the septo-columellar cartilaginous implant in the improvement of the profile and in functional and cosmetic reconstructions of the anterior nasal pyramid. Apropos of 192 patients] Schuffenecker J, et al. **Ann Chir Plast Esthet** 1986;31(3):246-54 (Eng. Abstr.) (Fre)

[Use of a bilobed flap in the repair of loss of substance of

the distal portion of the nasal pyramid] Baillot P. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(5):421–3 (Eng. Abstr.) (Fre)

[Problems of rhinoplasty in the elderly] Gubisch W, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):255–6 (Eng. Abstr.) (Ger)

[A new procedure for covering septum defects] Bockmeyer M, et al. **HNO** 1987 Jul;35(7):279–81 (Eng. Abstr.) (Ger)

[Current remarks on functional esthetic rhinosurgery] Mang WL. **HNO** 1987 Jul;35(7):274–8 (Eng. Abstr.) (Ger)

[Use of allogeneic septal cartilage in the correction of saddle nose] Jakse R, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):679–83 (Eng. Abstr.) (Ger)

[Septumplasty. Histologic changes in resected and reimplanted autologous septal cartilage and bone following crush injury] Lenz H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec;65(12):676–8 (Eng. Abstr.) (Ger)

PSYCHOLOGY

The predictive validity of psychosocial factors for patients' acceptance of rhinoplasty. Meyer L, et al. **Ann Plast Surg** 1986 Dec;17(6):513–20

RHINOSCLEROMA

[Scleroma of the upper respiratory tract. Apropos of a case of laryngeal localization] Dellagi K, et al. **Med Trop (Mars)** 1986 Oct–Dec;46(4):365–9 (Eng. Abstr.) (Fre)

DIAGNOSIS

Rhinoscleroma: a naso–oral dermatosis. Tapia A. **Cutis** 1987 Aug;40(2):101–3 (8 ref.)

DRUG THERAPY

Treatment of scleroma with ceforanide. Cone LA, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):374–6

HISTORY

Rhinoscleroma and rhinosporidiosis. An approach through history. Goihman–Yahr M. **Int J Dermatol** 1986 Sep; 25(7):476–8

PATHOLOGY

Experimental inoculation of Klebsiella rhinoscleromatis bacilli in albino mice. Toppozada H, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(4):214–7

RHINOSPORIDIOSIS

COMPLICATIONS

Diverticulum of the lacrimal sac associated with rhinosporidiosis. Krishnan MM, et al. **Br J Ophthalmol** 1986 Nov;70(11):867–8

Cutaneous rhinosporidiosis in a patient of lepromatous leprosy—a case report. Porichha D, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):626–7

DIAGNOSIS

Urethral rhinosporidiosis. Analysis of 27 cases. Sasidharan K, et al. **Br J Urol** 1987 Jan;59(1):66–9

Diagnosis of rhinosporidiosis by nasal smear examination. Chaudhary SK, et al. **J Indian Med Assoc** 1986 Sep; 84(9):274–6

HISTORY

Rhinoscleroma and rhinosporidiosis. An approach through history. Goihman–Yahr M. **Int J Dermatol** 1986 Sep; 25(7):476–8

PATHOLOGY

Description of a case of rhinosporidiosis in Spain. Alonso MJ, et al. **Mycopathologia** 1987 Jan;97(1):9–16

Rhinosporidiosis at King Edward VIII Hospital, Durban—1976–1985. A report of 6 cases. Chetty R, et al. **S Afr Med J** 1987 Aug 1;72(3):217–8

RHINOSPORIDIUM

GROWTH & DEVELOPMENT

Cultivation of Rhinosporidium seeberi in vitro: interaction with epithelial cells. Levy MG, et al. **Science** 1986 Oct 24;234(4775):474–6

ULTRASTRUCTURE

Rhinosporidiosis at King Edward VIII Hospital, Durban—1976–1985. A report of 6 cases. Chetty R, et al. **S Afr Med J** 1987 Aug 1;72(3):217–8

RHINOVIRUSES

CLASSIFICATION

A collaborative report: rhinoviruses—extension of the numbering system from 89 to 100. Hamparian VV, et al. **Virology** 1987 Jul;159(1):191–2

DRUG EFFECTS

In vitro activity of zinc salts against human rhinoviruses. Geist FC, et al. **Antimicrob Agents Chemother** 1987 Apr; 31(4):622–4

Molecular basis of drug resistance to new antirhinovirus agents. Ishitsuka H, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl B:11–8

Structure–activity studies of 5-[[4-(4,5-dihydro-2-oxazolyl) phenoxy]alkyl]-3-methylisoxazoles: inhibitors of picornavirus uncoating. Diana GD, et al. **J Med Chem** 1987 Feb;30(2):383–8

GENETICS

Evolutionary relationships within the human rhinovirus genus: comparison of serotypes 89, 2, and 14. Duechler M, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2605–9

IMMUNOLOGY

A neutralizing epitope on human rhinovirus type 2 includes amino acid residues between 153 and 164 of virus capsid protein VP2. Skern T, et al. **J Gen Virol** 1987 Feb;68 (Pt 2):315–23

An ELISA for the detection of rhinovirus specific antibody in serum and nasal secretion. Barclay WS, et al. **J Virol Methods** 1987 Jan;15(1):53–64

ISOLATION & PURIFICATION

Detection of human rhinoviruses and their molecular relationship using cDNA probes. Al-Nakib W, et al. **J Med Virol** 1986 Nov;20(3):289–96

[Rhinovirus and acute respiratory infections in infants] Freymuth F, et al. **Arch Fr Pediatr** 1986 Nov;43(9):677–9 (Eng. Abstr.) (Fre)

METABOLISM

Mechanism of entry of human rhinovirus 2 into HeLa cells. Neubauer C, et al. **Virology** 1987 May;158(1):255–8

PATHOGENICITY

The common cold—my favourite infection. The eighteenth Majority Stephenson memorial lecture. Tyrrell DA. **J Gen Virol** 1987 Aug;68 (Pt 8):2053–61 (33 ref.)

PHYSIOLOGY

Establishment of a mouse model for human rhinovirus infection. Yin FH, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2335–40

RHIZOBIACEAE

ENZYMOLOGY

Acetoacetyl-CoA thiolase of Bradyrhizobium japonicum bacteroids: purification and properties. Suzuki F, et al. **Arch Biochem Biophys** 1987 Apr;254(1):272–81

Cloning and expression of Bradyrhizobium japonicum uptake hydrogenase structural genes in Escherichia coli. Zuber M, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7668–72

GENETICS

A genetic locus essential for formate-dependent growth of Bradyrhizobium japonicum. McClung CR, et al. **J Bacteriol** 1987 Jul;169(7):3260–7

Bradyrhizobium japonicum mutants defective in nitrogen fixation and molybdenum metabolism. Maier RJ, et al. **J Bacteriol** 1987 Jun;169(6):2548–54

A locus encoding host range is linked to the common nodulation genes of Bradyrhizobium japonicum. Nieuwkoop AJ, et al. **J Bacteriol** 1987 Jun;169(6):2631–8

Inhibition of hydrogenase synthesis by DNA gyrase inhibitors in Bradyrhizobium japonicum. Novak PD, et al. **J Bacteriol** 1987 Jun;169(6):2708–12

Transposon-induced symbiotic mutants of Bradyrhizobium japonicum: isolation of two gene regions essential for nodulation. So JS, et al. **MGG** 1987 Apr;207(1):15–23

[Conjugation transfer of the bireplicon plasmid pSPA044 into Rhizobiaceae bacteria] Stekhin IN, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):31–3 (Eng. Abstr.) (Rus)

METABOLISM

Congo red absorption and cellulose synthesis by Rhizobiaceae. Zevenhuizen LP, et al. **Antonie Van Leeuwenhoek** 1986;52(5):381–6

Variability in molybdenum uptake activity in Bradyrhizobium japonicum strains. Graham L, et al. **J Bacteriol** 1987 Jun;169(6):2555–60

Involvement of glutamate in the respiratory metabolism of Bradyrhizobium japonicum bacteroids. Salminen SO, et al. **J Bacteriol** 1987 Feb;169(2):495–9

Nickel uptake in Bradyrhizobium japonicum. Stults LW, et al. **J Bacteriol** 1987 Apr;169(4):1398–402

RHIZOBIUM

ANALYSIS

Synthesis of 3,6-dideoxy-3-(methylamino)hexoses for g.l.c.-m.s. identification of Rhizobium lipopolysaccharide components. Hollingsworth RI, et al. **Carbohydr Res** 1986 Oct 15;154:103–13

Cell surface polysaccharides from Bradyrhizobium japonicum and a nonnodulating mutant. Puvanesarajah V, et al. **J Bacteriol** 1987 Jan;169(1):137–41

Structure of a polysaccharide containing galactose and galacturonic acid from Rhizobium meliloti. Characterization and partial purification of a 2-O-methyltransferase. Coira JA, et al. **J Biol Chem** 1987 Aug 5;262(22):10601–7

DRUG EFFECTS

Phospholipids and proteins from Rhizobium meliloti exposed to parathion at different incubation times. Thüar A, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):184–8

GENETICS

Nodulation of legumes by Rhizobium: the recognized root? Downie JA, et al. **Cell** 1986 Oct 24;47(2):153–4

A cell-free system from Rhizobium meliloti to study the specific expression of nodulation genes. Dusha I, et al. **Eur J Biochem** 1986 Oct 1;160(1):69–75

Nucleotide sequence of a tRNA(leu)CAG gene from Rhizobium meliloti. Boesten B, et al. **Gene** 1987;55(1):153–6

The nodI gene product of Rhizobium leguminosarum is closely related to ATP-binding bacterial transport proteins; nucleotide sequence analysis of the nodI and nodJ genes. Evans IJ, et al. **Gene** 1986;43(1–2):95–101

Construction of a Tn5 derivative determining resistance to gentamicin and spectinomycin using a fragment cloned from R1033. Hirsh PR, et al. **Gene** 1986;48(2–3):203–9

Overlapping transcription of the nifA regulatory gene in Rhizobium meliloti. Kim CH, et al. **Gene** 1986; 50(1–3):141–8

Organization of the adenyl cyclase (cya) locus of Rhizobium meliloti. Lathigra R, et al. **Gene** 1986;44(1):89–96

Structure of the Bradyrhizobium japonicum gene hemA encoding 5-aminolevulinic acid synthase. McClung CR, et al. **Gene** 1987;54(1):133–9

Conservation of structure and location of Rhizobium meliloti and Klebsiella pneumoniae nifB genes. Buikema WJ, et al. **J Bacteriol** 1987 Mar;169(3):1120–6

Transcription patterns of Rhizobium meliloti symbiotic plasmid pSym: identification of nifA-independent fix genes. David M, et al. **J Bacteriol** 1987 May;169(5):2239–44

Assignment of symbiotic developmental phenotypes to common and specific nodulation (nod) genetic loci of Rhizobium meliloti. Debellé F, et al. **J Bacteriol** 1986 Dec; 168(3):1075–86

The nifA gene of Rhizobium meliloti is oxygen regulated. Ditta G, et al. **J Bacteriol** 1987 Jul;169(7):3217–23

Nitrogen fixation ability of exopolysaccharide synthesis mutants of Rhizobium sp. strain NGR234 and Rhizobium trifolii is restored by the addition of homologous exopolysaccharides. Djordjevic SP, et al. **J Bacteriol** 1987 Jan;169(1):53–60

Cloning of Rhizobium leguminosarum genes for competitive nodulation blocking on peas. Dowling DN, et al. **J Bacteriol** 1987 Mar;169(3):1345–8

Rhizobium meliloti insertion element ISRm2 and its use for identification of the fixX gene. Dusha I, et al. **J Bacteriol** 1987 Apr;169(4):1403–9

Genetic and structural analysis of the Rhizobium meliloti fixA, fixB, fixC, and fixX genes. Earl CD, et al. **J Bacteriol** 1987 Mar;169(3):1127–36

Alteration of surface properties in a Tn5 mutant strain of Rhizobium trifolii 0403. Gardiol AE, et al. **J Bacteriol** 1987 Mar;169(3):1161–7

A Rhizobium meliloti mutant that forms ineffective pseudonodules in alfalfa produces exopolysaccharide but fails to form beta-(1——2) glucan. Geremia RA, et al. **J Bacteriol** 1987 Feb;169(2):880–4

Effects of Rhizobium meliloti nif and fix mutants on alfalfa root nodule development. Hirsch AM, et al. **J Bacteriol** 1987 Mar;169(3):1137–46

Isolation of competition-defective mutants of Rhizobium fredii. McLoughlin TJ, et al. **J Bacteriol** 1987 Jan; 169(1):410–3

Nitrogen-fixing nodules induced by Agrobacterium tumefaciens harboring Rhizobium phaseoli plasmids. Martínez E, et al. **J Bacteriol** 1987 Jun;169(6):2828–34

Mutations in Rhizobium phaseoli that lead to arrested development of infection threads. Noel KD, et al. **J Bacteriol** 1986 Dec;168(3):1392–401

Molecular cloning and expression of Rhizobium fredii USDA 193 nodulation genes: extension of host range for nodulation. Ramakrishnan N, et al. **J Bacteriol** 1986 Dec; 168(3):1087–95

A new symbiotic cluster on the pSym megaplasmid of Rhizobium meliloti 2011 carries a functional fix gene repeat and a nod locus. Renalier MH, et al. **J Bacteriol** 1987 May; 169(5):2231–8

Rhizobium meliloti ntrA (rpoN) gene is required for diverse metabolic functions. Ronson CW, et al. **J Bacteriol** 1987 Jun;169(6):2424–31

Identification and characterization of the Rhizobium meliloti ntrC gene: R. meliloti has separate regulatory pathways for activation of nitrogen fixation genes in free-living and symbiotic cells. Szeto WW, et al. **J Bacteriol** 1987 Apr; 169(4):1423–32

Isolation and characterization of symbiotic mutants of bradyrhizobium sp. (Arachis) strain NC92: mutants with host-specific defects in nodulation and nitrogen fixation. Wilson KJ, et al. **J Bacteriol** 1987 May;169(5):2177–86

Expression of Rhizobium meliloti nod genes in Rhizobium and Agrobacterium backgrounds. Yelton MM, et al. **J Bacteriol** 1987 Jul;169(7):3094–8

Flavonoids induce Rhizobium leguminosarum to produce nodDABC gene-related factors that cause thick, short roots and root hair responses on common vetch. Zaat SA, et al. **J Bacteriol** 1987 Jul;169(7):3388–91

Induction of the nodA promoter of Rhizobium leguminosarum Sym plasmid pRL1JI by plant flavanones and flavones. Zaat SA, et al. **J Bacteriol** 1987 Jan; 169(1):198–204

Mapping and cloning of a fla-che region of the Rhizobium meliloti chromosome. Ziegler RJ, et al. **J Bacteriol** 1986 Nov;168(2):785–90

Transcription of Rhizobium meliloti nodulation genes. Identification of a nodD transcription initiation site in vitro and in vivo. Fisher RF, et al. **J Biol Chem** 1987 May 15; 262(14):6849–55

Characterization and cloning of two Rhizobium leguminosarum genes coding for glutamine synthetase activities. Filser DM, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2561–9

At least two nodD genes are necessary for efficient nodulation of alfalfa by Rhizobium meliloti. Göttfert M, et al. **J Mol Biol** 1986 Oct 5;191(3):411–20

Sequence of psi, a gene on the symbiotic plasmid of Rhizobium phaseoli which inhibits exopolysaccharide synthesis and nodulation and demonstration that its transcription is inhibited by psr, another gene on the symbiotic plasmid. Borthakur D, et al. **MGG** 1987 Apr; 207(1):149–54

Identification of two classes of Rhizobium phaseoli genes required for melanin synthesis, one of which is required for nitrogen fixation and activates the transcription of the other. Borthakur D, et al. **MGG** 1987 Apr;207(1):155–60

Genetic manipulations in Rhizobium meliloti utilizing two new transposon Tn5 derivatives. De Vos GF, et al. **MGG** 1986 Sep;204(3):485–91

West German release of altered bacteria causes furore [news] Dickman S. **Nature** 1987 Aug 13–19;328(6131):568

Tight linkage of glnA and a putative regulatory gene in Rhizobium leguminosarum. Colonna-Romano S, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1951–64

Nucleotide sequence of Rhizobium meliloti RCR2011 genes involved in host specificity of nodulation. Debellé F, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7453–72

Organization and partial sequence of a DNA region of the Rhizobium leguminosarum symbiotic plasmid pRL6JI containing the genes fixABC, nifA, nifB and a novel open reading frame. Grönger P, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):31–49

A gene upstream of the Rhizobium trifolii nifA gene encodes a ferredoxin-like protein. Iismaa SE, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3180

Physical characterization of Rhizobium meliloti megaplasmids. Burkardt B, et al. **Plasmid** 1987 Jan; 17(1):13–25

DnaG-suppressing variants of R68.45 with enhanced chromosome donating ability in Rhizobium. Ludwig RA, et al. **Plasmid** 1980 May;3(3):359–61

[The use of transposons for the mutagenesis of R. phaseoli and R. japonicum] Ivashina TV, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):19–22 (Eng. Abstr.) **(Rus)**

[Hybridization of DNA from Actinomycetes of the genus Frankia with nitrogenase structural genes (nifHDK) of Klebsiella pneumoniae and nod-genes of Rhizobium meliloti] Tomashevskii AIu, et al. **Mol Gen Mikrobiol Virusol** 1987 Mar;(3):27–32 (Eng. Abstr.) **(Rus)**

[Analysis of plasmids in Rhizobium meliloti strains of different geographical origin] Zlotnikov KM, et al. **Mol Gen Mikrobiol Virusol** 1985 Aug;(8):13–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Control of a futile urea cycle by arginine feedback inhibition of ornithine carbamoyltransferase in Agrobacterium tumefaciens and Rhizobia. Vissers S, et al. **Eur J Biochem** 1986 Sep 15;159(3):507–11

Common loci for Agrobacterium tumefaciens and Rhizobium meliloti exopolysaccharide synthesis and their roles in plant interactions. Cangelosi GA, et al. **J Bacteriol** 1987 May; 169(5):2086–91

Biosynthesis of Rhizobium trifolii capsular polysaccharide: enzymatic transfer of pyruvate substitutions into lipid-bound saccharide intermediates. Gardiol AE, et al. **J Bacteriol** 1986 Dec;168(3):1459–62

Reexamination of the presence and linkage of 3-hydroxybutyryl substituents in the acidic capsular polysaccharide of Rhizobium trifolii 0403. Hollingsworth RI, et al. **J Bacteriol** 1987 Jul;169(7):3369–71

Biosynthesis and degradation of nodule-specific Rhizobium loti compounds in Lotus nodules. Scott DB, et al. **J Bacteriol** 1987 Jan;169(1):278–82

Involvement of both cellulose fibrils and a Ca2+-dependent adhesin in the attachment of Rhizobium leguminosarum to pea root hair tips. Smit G, et al. **J Bacteriol** 1987 Sep; 169(9):4294–301

Biosynthesis of a galactose-and galacturonic acid-containing polysaccharide in Rhizobium meliloti. Ugalde RA, et al. **J Bacteriol** 1986 Oct;168(1):270–5

PHYSIOLOGY

Competition for nodulation of legumes. Dowling DN, et al. **Annu Rev Microbiol** 1986;40:131–57 (234 ref.)

Rhizobium meliloti swims by unidirectional, intermittent rotation of right-handed flagellar helices. Götz R, et al. **J Bacteriol** 1987 Jul;169(7):3146–50

Physical association between the peribacteroid membrane and lipopolysaccharide from the bacteroid outer membrane in Rhizobium-infected pea root nodule cells. Bradley DJ, et al. **J Cell Sci** 1986 Sep;85:47–61

ULTRASTRUCTURE

Correlation between extracellular fibrils and attachment of Rhizobium leguminosarum to pea root hair tips. Smit G, et al. **J Bacteriol** 1986 Nov;168(2):821–7

RHIZOCTONIA see under **HYPHOMYCETES**

RHIZOPUS

ENZYMOLOGY

Modification of serum, pancreatic, and microbial lipase activities by phorbol diesters. Zhang ZC, et al. **Cancer Res** 1987 Jan 1;47(1):135–9

Purification and general properties of a metal-insensitive lipase from Rhizopus japonicus NR 400. Suzuki M, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1207–13

Resolution and reconstitution of cytochrome P-450 containing steroid hydroxylation system of Rhizopus nigricans. Breskvar K, et al. **J Steroid Biochem** 1987 Apr; 26(4):499–501

Hydroxylation of steroids with 11 alpha-hydroxylase of Rhizopus nigricans. Zakelj-Mavrič M, et al. **J Steroid Biochem** 1987 Aug;28(2):197–201

Proteolysis of von Willebrand factor by lipase preparations from Rhizopus arrhizus. Ganz PR, et al. **Thromb Res** 1987 Jun 15;46(6):881–3

IMMUNOLOGY

Sawmill alveolitis in Sweden. Belin L. **Int Arch Allergy Appl Immunol** 1987;82(3–4):440–3

Lung function and rhizopus antibodies in wood trimmers. A cross-sectional and longitudinal study. Hedenstierna G, et al. **Int Arch Occup Environ Health** 1986;58(3):167–77

Electrophoretic and immunoblot analyses of Rhizopus arrhizus antigens. Wysong DR, et al. **J Clin Microbiol** 1987 Feb;25(2):358–63

METABOLISM

Conversion of zearalenone to zearalenone glycoside by Rhizopus sp. Kamimura H. **Appl Environ Microbiol** 1986 Sep;52(3):515–9

Effect of carbon and nitrogen sources on the chemical composition of lipids of Rhizopus delemar. Tahoun MK, et al. **Z Ernahrungswiss** 1986 Dec;25(4):228–32

PHYSIOLOGY

Host-parasite relationship in opportunistic mycoses. Waldorf AR. **CRC Crit Rev Microbiol** 1986;13(2):133–72 (238 ref.)

RHO FACTOR see under **TRANSCRIPTION FACTORS**

RHODAMINES see under **XANTHENES**

RHODANATES see **THIOCYANATES**

RHODANINE see under **THIAZOLES**

RHODIUM

Structural and biochemical properties of bidentate tetraaquarhodium(III) complexes of inorganic pyrophosphate and adenosine 5'-diphosphate. Shorter AL, et al. **Biochemistry** 1987 Apr 7;26(7):2060–6

Targetry and radiochemical methods for the simultaneous cyclotron production of no-carrier-added radiopharmaceutical-quality 100Pd, 97Ru and 101mRh. Lagunas-Solar MC, et al. **Int J Rad Appl Instrum [A]** 1987; 38(2):151–7

Steric course of the rhodium-catalyzed decarbonylation of chiral 4-methyl-[1-3H,2-2H1]pentanal. Otsuka H, et al. **Z Naturforsch [C]** 1987 Apr;42(4):449–54

ISOLATION & PURIFICATION

[Separation of [Rh-103m]-rhodocene derivatives from the parent [103Ru]ruthenocene derivatives and their organ distribution] Wenzel M, et al. **Int J Rad Appl Instrum [A]** 1987;38(1):67–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Structural and biochemical properties of bidentate tetraaquarhodium(III) complexes of inorganic pyrophosphate and adenosine 5'-diphosphate. Shorter AL, et al. **Biochemistry** 1987 Apr 7;26(7):2060–6

Antineoplastic activity of a rhodium trichloride complex of oxalyl homocysteine thiolactone. McCully KS, et al. **Cancer Invest** 1987;5(1):25–30

Rhodium(III) complexes as genotoxic agents: photochemical effects and their implications. LaVelle JM, et al. **Mutat Res** 1986 Dec;172(3):211–22

Toxic variability and radiation potentiation by Rh(III) complexes in Salmonella typhimurium cells. Richmond RC, et al. **Radiat Res** 1986 Dec;108(3):251–9

THERAPEUTIC USE

Results after beta-irradiation (106Ru/106Rh) of choroidal melanomas. Twenty years' experience. Lommatzsch PK. **Am J Clin Oncol** 1987 Apr;10(2):146–51

RHODNIUS see under **TRIATOMIDAE**

RHODOCOCCUS

ANALYSIS

Possible existence of a novel amphipathic immunostimulator in the phenol-water extracts of Mycobacteriaceae. Ikeda-Fujita T, et al. **Microbiol Immunol** 1987; 31(4):289–311

[Newly isolated glycolipids from Rhodococcus terrae cell wall and their granuloma forming activities] Kurano S, et al. **Yakugaku Zasshi** 1987 Jan;107(1):46–52 (Eng. Abstr.) **(Jpn)**

[Granuloma formation by the glycolipids containing mycolic acid in Nocardia, Rhodococcus and related actinomycetes and their structure analysis] Sawai H, et al. **Yakugaku Zasshi** 1987 Jan;107(1):37–45 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Characterization of production of cholesterol oxidases in three Rhodococcus strains. Aihara H, et al. **J Appl Bacteriol** 1986 Oct;61(4):269–74

Isolation and purification of CeqI endonuclease, an isoschizomer of EcoRV. Duda EG, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1334

GENETICS

Nucleotide sequence of 5S ribosomal RNA from Rhodococcus erythropolis. Park YH, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):365

IMMUNOLOGY

Neutrophil phagocytic and serum opsonic response of the foal to Corynebacterium equi. Hietala SK, et al. **Vet Immunol Immunopathol** 1987 Mar;14(3):279–94

[Strain differences in granuloma formation in mice in response to mycolic acid-containing glycolipids of some species of Nocardia and Rhodococcus] Sumi Y, et al. **Nippon Saikingaku Zasshi** 1986 Nov;41(6):797–804 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Quantitative fecal culture for early diagnosis of Corynebacterium (Rhodococcus) equi enteritis in foals. Takai S, et al. **Can J Vet Res** 1986 Oct;50(4):479–84

METABOLISM

Degradations of 4-cholesten-3-one and 1,4-androstadiene-3,17-dione by cholesterol-degrading bacteria. Watanabe K, et al. **J Appl Bacteriol** 1987 Feb; 62(2):151–5

Dechlorination and para-hydroxylation of polychlorinated phenols by Rhodococcus chlorophenolicus. Apajalahti JH, et al. **J Bacteriol** 1987 Feb;169(2):675–81

[Regulation of terephthalate catabolism in Rhodococcus rubropertinctus] Naumova RP, et al. **Mikrobiologiia** 1986 Nov-Dec;55(6):918–23 (Eng. Abstr.) **(Rus)**

RHODOPSEUDOMONAS

ANALYSIS

Crystallization and preliminary X-ray diffraction study of ferrocytochrome c2 from Rhodopseudomonas viridis. Miki K, et al. **J Mol Biol** 1986 Oct 5;191(3):579–80

Structural homology of reaction centers from Rhodopseudomonas sphaeroides and Rhodopseudomonas viridis as determined by x-ray diffraction. Allen JP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8589–93

ENZYMOLOGY

Spectral properties of nitric oxide complex of cytochrome c' from Rhodopseudomonas capsulata B100. Yoshimura T, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):868–75

Purification of highly active cytochrome bc1 complexes from phylogenetically diverse species by a single

chromatographic procedure. Ljungdahl PO, et al. **Biochim Biophys Acta** 1987 May 6;891(3):227–41

Purification and properties of an acetate kinase from Rhodopseudomonas palustris. Vigenschow H, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):951–6

Purification and characterization of a phosphotransacetylase from Rhodopseudomonas palustris. Vigenschow H, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):957–62

The phosphoenolpyruvate-dependent fructose-specific phosphotransferase system in Rhodopseudomonas sphaeroides. Distribution of EIIFru over the membranes of phototrophically grown Rps. sphaeroides. Lolkema JS, et al. **Eur J Biochem** 1986 Nov 17;161(1):211–5

Porphyrin biosynthesis in Rhodopseudomonas palustris—XII. delta-Aminolevulinate synthetase switch-off/on regulation. Viale AA, et al. **Int J Biochem** 1987;19(4):379–83

Mechanism of nitrogenase switch-off by oxygen. Goldberg I, et al. **J Bacteriol** 1987 Feb;169(2):874–9

Purification and characterization of a catalase-peroxidase from the photosynthetic bacterium Rhodopseudomonas capsulata. Hochman A, et al. **J Biol Chem** 1987 May 15; 262(14):6871–6

GENETICS

Organization of the genes for nitrogen fixation in photosynthetic bacteria and cyanobacteria. Haselkorn R. **Annu Rev Microbiol** 1986;40:525–47 (81 ref.)

A DNA fragment hybridizing to a nif probe in Rhodobacter capsulatus is homologous to a 16S rRNA gene. Schumann JP, et al. **Gene** 1986;48(1):81–92

Complementation of nitrogen-regulatory (ntr-like) mutations in Rhodobacter capsulatus by an Escherichia coli gene: cloning and sequencing of the gene and characterization of the gene product. Allibert P, et al. **J Bacteriol** 1987 Jan;169(1):260–71

Development of a gene cloning system for the hydrogen-producing marine photosynthetic bacterium Rhodopseudomonas sp. Matsunaga T, et al. **J Bacteriol** 1986 Oct;168(1):460–3

Isolation and characterization of an aminolevulinate-requiring Rhodobacter capsulatus mutant. Wright MS, et al. **J Bacteriol** 1987 Mar;169(3):961–6

The gene crtI mediates the conversion of phytoene into colored carotenoids in Rhodopseudomonas capsulata. Giuliano G, et al. **J Biol Chem** 1986 Oct 5;261(28):12925–9

The nucleotide sequence of the 5 S rRNA of Rhodobacter capsulatus ATCC 23782. Van den Eynde H, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8688

Plasmid pU29, a vehicle for mutagenesis of the photosynthetic puf operon in Rhodopseudomonas capsulata. Bylina EJ, et al. **Plasmid** 1986 Nov;16(3):175–81

Regulation of expression of genes for light-harvesting antenna proteins LH-I and LH-II; reaction center polypeptides RC-L, RC-M, and RC-H; and enzymes of bacteriochlorophyll and carotenoid biosynthesis in Rhodobacter capsulatus by light and oxygen. Zhu YS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7613–7

METABOLISM

Spectral properties of cytochrome c' from Rhodopseudomonas capsulata B100 and its CO complex. Yoshimura T, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):224–31

Demonstration of a collisional interaction of ubiquinol with the ubiquinol-cytochrome c2 oxidoreductase complex in chromatophores from Rhodobacter sphaeroides. Venturoli G, et al. **Biochim Biophys Acta** 1986 Oct 8;851(3):340–52

Kinetic measurements of electron transfer in coupled chromatophores from photosynthetic bacteria. A method of correction for the electrochromic effects. Venturoli G, et al. **FEBS Lett** 1987 Jul 27;219(2):477–84

Biosynthesis of porphyrins in Rhodopseudomonas palustris—VI. The effect of metals, thiols and other reagents on the activity of uroporphyrinogen decarboxylase. Koopmann GE, et al. **Int J Biochem** 1987; 19(4):373–7

Effect of uncoupler on assembly pathway for pigment-binding protein of bacterial photosynthetic membranes. Dierstein R, et al. **J Bacteriol** 1986 Oct; 168(1):167–72

PHYSIOLOGY

On the role of the light-harvesting B880 in the correct insertion of the reaction center of Rhodobacter capsulatus and Rhodobacter sphaeroides. Jackson WJ, et al. **FEBS Lett** 1987 May 4;215(1):171–4

RHODOPSEUDOMONAS SPHEROIDES

ENZYMOLOGY

Purification of highly active cytochrome bc1 complexes from phylogenetically diverse species by a single chromatographic procedure. Ljungdahl PO, et al. **Biochim Biophys Acta** 1987 May 6;891(3):227–41

Mechanism of nitrogenase switch-off by oxygen. Goldberg I, et al. **J Bacteriol** 1987 Feb;169(2):874–9

Characterization by EPR spectroscopy of cytochrome b-562 isolated from the cytochrome b-c1 complex of Rhodopseudomonas sphaeroides R-26. Iba K, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1477–80

Reaction center and UQH2:cyt c2 oxidoreductase act as independent enzymes in Rps. sphaeroides. Crofts AR. **J Bioenerg Biomembr** 1986 Oct;18(5):437–45

[Rhodopseudomonas sphaeroides mutants defective in nitrogen fixation] Frolova VD, et al. **Biol Nauki** 1986; (7):98–102 (Eng. Abstr.) **(Rus)**

GENETICS

Isolation of the Rhodopseudomonas sphaeroides form I ribulose 1,5-bisphosphate carboxylase/oxygenase large and small subunit genes and expression of the active hexadecameric enzyme in Escherichia coli. Gibson JL, et al. **Gene** 1986;44(2–3):271–8

Organization of phosphoribulokinase and ribulose bisphosphate carboxylase/oxygenase genes in Rhodopseudomonas (Rhodobacter) sphaeroides. Gibson JL, et al. **J Bacteriol** 1987 Aug;169(8):3685–90

Cloning of the gene for phosphoribulokinase activity from Rhodobacter sphaeroides and its expression in Escherichia coli. Hallenbeck PL, et al. **J Bacteriol** 1987 Aug; 169(8):3669–78

DNA sequence and in vitro expression of the B875 light-harvesting polypeptides of Rhodobacter sphaeroides. Kiley PJ, et al. **J Bacteriol** 1987 Feb;169(2):742–50

[Variants of the plasmid pAS8 delta with increased frequency of integration into Rhodopseudomonas sphaeroides chromosome—the result of IS8-element duplication] Muronets EM, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov; (11):24–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Membrane adenosine triphosphatase in synchronous cultures of Rhodobacter sphaeroides. Hoger JH, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):70–80

Stringency in the absence of ppGpp accumulation in Rhodobacter sphaeroides. Acosta R, et al. **J Bacteriol** 1987 Feb;169(2):908–12

METABOLISM

In vivo regulation of form I ribulose 1,5-bisphosphate carboxylase/oxygenase from Rhodopseudomonas sphaeroides. Jouanneau Y, et al. **Arch Biochem Biophys** 1987 Apr;254(1):290–303

Purification and characterization of Rhodobacter sphaeroides acyl carrier protein. Cooper CL, et al. **Biochemistry** 1987 May 19;26(10):2740–6

Characterization of purified cytochrome c1 from Rhodobacter sphaeroides R-26. Yu L, et al. **Biochim Biophys Acta** 1986 Dec 3;852(2–3):203–11

Photochemical electron transfer reactions in the acceptor complex of reaction centers of Rhodopseudomonas spheroides treated with sodium dodecyl sulfate. Agalidis H. **Eur J Biochem** 1987 Jul 1;166(1):235–9

Characterization of the thioredoxin system in the facultative phototroph Rhodobacter sphaeroides Y [published erratum appears in Eur J Biochem 1987 May 4;164(3):713] Clement-Metral JD, et al. **Eur J Biochem** 1986 Nov 17; 161(1):119–26

Near-infrared-excitation resonance Raman spectra of bacterial photosynthetic reaction centers. Implications for path-specific electron transfer. Bocian DF, et al. **FEBS Lett** 1987 Apr 6;214(1):92–6

Ammonium and methylammonium transport in Rhodobacter sphaeroides. Cordts ML, et al. **J Bacteriol** 1987 Apr; 169(4):1632–8

Flash-induced proton release in Rhodopseudomonas sphaeroides spheroplasts. Arata H, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):261–5

Reaction centers from Rhodopseudomonas sphaeroides in reconstituted phospholipid vesicles. II. Light-induced proton translocation. Hellingwerf KJ. **J Bioenerg Biomembr** 1987 Jun;19(3):225–38

Reaction centers from Rhodopseudomonas sphaeroides in reconstituted phospholipid vesicles. I. Structural studies. Hellingwerf KJ. **J Bioenerg Biomembr** 1987 Jun; 19(3):203–23

Immunological comparison of the b and c1 cytochromes from bovine heart mitochondria and the photosynthetic bacterium Rhodopseudomonas sphaeroides R-26. Haley PE, et al. **J Biol Chem** 1986 Nov 5;261(31):14593–9

PHYSIOLOGY

On the role of the light-harvesting B880 in the correct insertion of the reaction center of Rhodobacter capsulatus and Rhodobacter sphaeroides. Jackson WJ, et al. **FEBS Lett** 1987 May 4;215(1):171–4

Unidirectional, intermittent rotation of the flagellum of Rhodobacter sphaeroides. Armitage JP, et al. **J Bacteriol** 1987 Feb;169(2):514–8

ULTRASTRUCTURE

Preliminary characterization by X-ray diffraction of crystals of photochemical reaction centres from wild-type Rhodopseudomonas spheroides. Ducruix A, et al. **J Mol Biol** 1987 Jan 20;193(2):419–21

RHODOPSIN see under **RETINAL PIGMENTS**

RHODOSPIRILLACEAE

ENZYMOLOGY

Purification and partial characterization of DNA-dependent RNA polymerase from Rhodomicrobium vannielii. Scott NW, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):1939–49

GENETICS

Cloning, DNA sequence, and expression of the Rhodobacter sphaeroides cytochrome c2 gene [published erratum appears in J Bacteriol 1987 May;169(5):2326] Donohue TJ, et al. **J Bacteriol** 1986 Nov;168(2):962–72

Cloning and expression of the Rhodobacter sphaeroides reaction center H gene. Donohue TJ, et al. **J Bacteriol** 1986 Nov;168(2):953–61

Cloning, DNA sequence, and expression of the Rhodobacter sphaeroides light-harvesting B800–850-alpha and B800–850-beta genes. Kiley PJ, et al. **J Bacteriol** 1987 Jul; 169(7):3268–75

METABOLISM

Control of bacteriochlorophyll accumulation by light in Rhodobacter capsulatus. Biel AJ. **J Bacteriol** 1986 Nov; 168(2):655–9

RHODOSPIRILLUM

METABOLISM

Amino acid concentrations in Rhodospirillum rubrum during expression and switch-off of nitrogenase activity. Kanemoto RH, et al. **J Bacteriol** 1987 Jul;169(7):3035–43

RHODOSPIRILLUM RUBRUM

ENZYMOLOGY

Fluorometric assay for ADP-ribosylarginine cleavage enzymes. Pope MR, et al. **Anal Biochem** 1987 Jan; 160(1):68–77

Essentiality of Glu-48 of ribulose bisphosphate carboxylase/oxygenase as demonstrated by site-directed mutagenesis. Hartman FC, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1158–63

Coreconstitution of bacterial ATP synthase with monomeric bacteriorhodopsin into liposomes. A comparison between the efficiency of monomeric bacteriorhodopsin and purple membrane patches in coreconstitution experiments. Wagner N, et al. **Eur J Biochem** 1987 May 15;165(1):177–83

Changes in amino acid and nucleotide pools of Rhodospirillum rubrum during switch-off of nitrogenase activity initiated by NH4+ or darkness. Li JD, et al. **J Bacteriol** 1987 Jan;169(1):231–7

Purification and characterization of carbon monoxide dehydrogenase, a nickel, zinc, iron-sulfur protein, from Rhodospirillum rubrum. Bonam D, et al. **J Biol Chem** 1987 Mar 5;262(7):2980–7

Function of Lys-166 of Rhodospirillum rubrum ribulosebisphosphate carboxylase/oxygenase as examined by site-directed mutagenesis. Hartman FC, et al. **J Biol Chem** 1987 Mar 15;262(8):3496–501

METABOLISM

Interaction of horse cytochrome c with the photosynthetic reaction center of Rhodospirillum rubrum. Bosshard HR, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):375–82

The phosphate-pyrophosphate exchange and hydrolytic reactions of the membrane-bound pyrophosphatase of Rhodospirillum rubrum: effects of pH and divalent cations. Celis H, et al. **J Bioenerg Biomembr** 1987 Jun;19(3):255–72

The reaction of cytochromes c and c2 with the Rhodospirillum rubrum reaction center involves the heme crevice domain. Hall J, et al. **J Biol Chem** 1987 Aug 15; 262(23):11046–51

RHODOTORULA see under **HYPHOMYCETES**

RHOMBENCEPHALIC SLEEP see **SLEEP, REM**

RHOMBENCEPHALON

Hindbrain hernia headache. Nightingale S, et al. **Lancet** 1987 Mar 28;1(8535):731–4

[Listeria rhomboencephalitis without meningeal involvement (letter)] Delacour JL, et al. **Presse Med** 1987 Apr 25; 16(15):735 **(Fre)**

ANATOMY & HISTOLOGY

Segmental homologies among reticulospinal neurons in the hindbrain of the zebrafish larva. Metcalfe WK, et al. **J Comp Neurol** 1986 Sep 8;251(2):147–59

EMBRYOLOGY

Ultrastructure of neural crest formation in the midbrain/rostral hindbrain and preotic hindbrain regions of the mouse embryo. Nichols DH. **Am J Anat** 1987 Jun; 179(2):143–54

Autoradiographic and Golgi study on the early development of n. isthmi principalis and adjacent grisea in the chick embryo: a tridimensional viewpoint. Puelles L, et al.

Anat Embryol (Berl) 1987;176(1):19–34
[Comparative study of the structural organization of the 2 divisions of the hindbrain of 10-day-old chick embryos] Ozirskaia EV, et al. **Zh Evol Biokhim Fiziol** 1987 Mar–Apr; 23(2):272–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Influence of veratridine on [3H]-L-quinuclidinyl benzilate ([3H]QNB) binding in mouse hindbrain. Mack JE, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):991–4

PATHOLOGY

MRI of Listeria rhombencephalitis. Just M, et al. **Neuroradiology** 1987;29(4):401–2

PHYSIOLOGY

Gustatory neural processing in the hindbrain. Travers JB, et al. **Annu Rev Neurosci** 1987;10:595–632 (166 ref.)
Auditory evoked potentials to continuous amplitude-modulated sounds: can they be described by linear models? Møller AR. **Electroencephalogr Clin Neurophysiol** 1987 Jan;66(1):56–65
Unit responses in ventral cochlear nucleus reflect cochlear coding of rapid frequency sweeps. Shore SE, et al. **J Acoust Soc Am** 1987 Aug;82(2):471–8

RHONCHI see **RESPIRATORY SOUNDS**

RHUBARB see under **PLANTS, MEDICINAL**

RHUS

The antiquity of poisonous sumac [letter] Goldman L. **Arch Dermatol** 1987 Jan;123(1):27

RHUS DERMATITIS see **POISON IVY DERMATITIS**

RHYTHM METHOD

A prospective multicenter trial of the ovulation method of natural family planning. V. Psychosexual aspects. World Health Organization. **Fertil Steril** 1987 May;47(5):765–72
Periodic abstinence in the Philippines: new findings from a national survey. Laing JE. **Stud Fam Plann** 1987 Jan–Feb; 18(1):32–41
[Determining infertile days in the female cycle. Initial test results of technical aids for methods of natural family planning] Döring GK, et al. **Fortschr Med** 1986 Dec 11; 104(46):941–2 **(Ger)**

RHYTHMICITY see **PERIODICITY**

RIB FRACTURES

Multiple rib fractures: transcutaneous nerve stimulation versus conventional analgesia. Sloan JP, et al. **J Trauma** 1986 Dec;26(12):1120–2

COMPLICATIONS

Traumatic tricuspid insufficiency. An underdiagnosed disease. Gayet C, et al. **Chest** 1987 Sep;92(3):429–32
Isolated fractures of the first ribs—an indication of major cervicomediastinal injury. McAdam JG, et al. **Injury** 1986 Jul;17(4):226–7
Haemothorax after rib fracture—incidence, timing and prediction. McLoughlin R, et al. **Ir J Med Sci** 1987 Apr; 156(4):117–9
[Injury to the middle lobe bronchus with multiple rib fractures] Suzuki T, et al. **Kyobu Geka** 1986 Jul;39(7):526–9 (Eng. Abstr.) **(Jpn)**
[Analgesia with epidural morphine in chest injuries (letter)] Martínez-Bourio R, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):455 **(Spa)**

DIAGNOSIS

[Possibility of determining the intravitality of rib fractures] Iankovskil VE, et al. **Sud Med Ekspert** 1987 Jan–Mar; 30(1):20–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of prostaglandin E1 on regional haversian remodeling in beagles with fractured ribs: a histomorphometric study. Shih MS, et al. **Bone** 1987;8(2):87–90

ETIOLOGY

Rib fractures in children. Schweich P, et al. **Pediatr Emerg Care** 1985 Dec;1(4):187–9
Breast reconstruction by tissue expansion: a previously unreported complication [letter] Dickson MG. **Plast Reconstr Surg** 1987 Sep;80(3):474–5
Chest-wall deformity following soft-tissue expansion for breast reconstruction. McKinney P, et al. **Plast Reconstr Surg** 1987 Sep;80(3):442–4
[Isolated fracture of the 1st rib: etiopathogenesis and complications] Poggi DS, et al. **Arch Putti Chir Organi Mov** 1985;35:253–61 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Unusual clinical forms of extrapleural (epipleural) hematoma on the chest x-ray] Ranner G, et al. **Radiologe** 1986 Oct; 26(10):467–70 (Eng. Abstr.) **(Ger)**
[Fatigue fracture of the first rib] Vinkó J, et al. **Orv Hetil** 1987 Jul 12;128(28):1455–6 (Eng. Abstr.) **(Hun)**

RADIONUCLIDE IMAGING

Complex rib fracture presenting as solitary linear focus of increased uptake on bone scan imaging. Morgan K, et al. **Clin Nucl Med** 1986 Nov;11(11):797

SURGERY

[Chest wall reconstruction using polycrystal alumina ceramic pins in patients with chest wall trauma] Go T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Dec; 34(12):2147–51 (Eng. Abstr.) **(Jpn)**

VETERINARY

Effect of prostaglandin E1 on the periosteal regional acceleratory phenomenon in fractured ribs: histomorphometric study in beagles. Shih MS, et al. **Am J Vet Res** 1987 May;48(5):828–30

RIBAVIRIN see under **RIBONUCLEOSIDES**

RIBITOL see under **SUGAR ALCOHOLS**

RIBOFLAVIN

Influence of milk fat, milk solids, and light intensity on the light stability of vitamin A and riboflavin in lowfat milk. Gaylord AM, et al. **J Dairy Sci** 1986 Nov;69(11):2779–84
Human riboflavin requirements, and metabolic consequences of deficiency in man and animals. Bates CJ. **World Rev Nutr Diet** 1987;50:215–65 (367 ref.)

ADMINISTRATION & DOSAGE

Bicycling performance in Gambian children: effects of supplements of riboflavin or ascorbic acid. Powers HJ, et al. **Hum Nutr Clin Nutr** 1987 Jan;41(1):59–69
Effect of supplementary vitamins and iron on malaria indices in rural Gambian children. Bates CJ, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):286–91
[Use of markers for compliance control during long-term therapy] Spoljaritsch C, et al. **Acta Med Austriaca** 1986; 13(2):43–6 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

6-Azido- and 6-aminoflavins as active-site probes of flavin enzymes. Massey V, et al. **Biochemistry** 1986 Dec 2; 25(24):8095–102
6-Thiocyanatoflavins and 6-mercaptoflavins as active-site probes of flavoproteins. Massey V, et al. **Biochemistry** 1986 Dec 2;25(24):8103–12
Mechanistic studies of the coenzyme F420 reducing formate dehydrogenase from Methanobacterium formicicum. Schauer NL, et al. **Biochemistry** 1986 Nov 4;25(22):7163–8
Reduction of substituted flavins by .CO2- and cyclic disulphide anions. Surdhar PS, et al. **Int J Radiat Biol** 1987 Sep;52(3):419–35
Effects of aging on the formation of ester forms of riboflavin in the rat lens. Ono S, et al. **Int J Vitam Nutr Res** 1986; 56(3):259–62
Occurrence of coenzyme F420 and its gamma-monoglutamyl derivative in nonmethanogenic archaebacteria. Lin XL, et al. **J Bacteriol** 1986 Oct;168(1):444–8
Formation of roseoflavin from 8-amino- and 8-methylamino-8-demethyl-D-riboflavin. Juri N, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):705–11

ANALYSIS

Determination of B2 vitamers in pharmaceutical preparations, foods and animal tissues by a photokinetic method. Pérez-Ruiz T, et al. **Analyst** 1987 Mar;112(3):237–41
High performance liquid chromatographic determination of riboflavin in food—a comparison with a microbiological method. Johnsson H, et al. **Int J Vitam Nutr Res** 1987; 57(1):53–8
High-performance liquid chromatography of water-soluble vitamins. II. Simultaneous determinations of vitamins B1, B2, B6 and B12 in pharmaceutical preparations. Amin M, et al. **J Chromatogr** 1987 Mar 25;390(2):448–53
Comparative determination of riboflavin in milk by HPLC and lumiflavin methods. Ribarova F, et al. **Nahrung** 1987; 31(1):77–9
Simultaneous spectrofluorimetric determination of thiamin, pyridoxine and riboflavin in pharmaceutical multivitamin preparations. Barary M, et al. **Pharmazie** 1986 Jul; 41(7):483–5

BIOSYNTHESIS

Biosynthesis of riboflavin. Enzymatic formation of 6,7-dimethyl-8-ribityllumazine by heavy riboflavin synthase from Bacillus subtilis. Neuberger G, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1111–6
The biosynthesis of the vitamins thiamin, riboflavin, and folic acid. Young DW. **Nat Prod Rep** 1986 Aug;3(4):395–419 (458 ref.)
[The nature of the pyrimidine substrate of 6,7-dimethyl-8-ribityllumazine synthase participating in riboflavin biosynthesis in yeasts] Logvinenko EM, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):80–2 (Eng. Abstr.) **(Rus)**

BLOOD

Dosage form and formulation effects on the bioavailability of vitamin E, riboflavin, and vitamin B-6 from multivitamin preparations. Thakker KM, et al. **Am J Clin Nutr** 1987 Jun;45(6):1472–9
Riboflavin concentration in maternal and cord blood in human pregnancy. Kirshenbaum NW, et al. **Am J Obstet Gynecol** 1987 Sep;157(3):748–52
Adaptation of coenzyme stimulation assays for the nutritional assessment of vitamins B1, B2 and B6 using the Cobas Bio centrifugal analyser. Mount JN, et al. **Ann Clin Biochem** 1987 Jan;24 (Pt 1):41–6
Riboflavin metabolism in the hypothyroid human adult. Cimino JA, et al. **Proc Soc Exp Biol Med** 1987 Feb; 184(2):151–3
[Relation between erythrocyte saturation with vitamins B2 and B6 in anemic patients and degree of cell maturity] Chernyshov VG, et al. **Lab Delo** 1987;(3):211–4 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Enzymatic synthesis of riboflavin and FMN specifically labeled with 13C in the xylene ring. Sedlmaier H, et al. **Z Naturforsch [C]** 1987 Apr;42(4):425–9

DIAGNOSTIC USE

[The riboflavin test in the diagnosis of cancer of the stomach] Kiselev IuV, et al. **Voen Med Zh** 1987 Apr;(4):63 **(Rus)**

GENETICS

[The bounds of the riboflavin operon in Bacillus subtilis] Chikindas ML, et al. **Mol Gen Mikrobiol Virusol** 1987 Apr; (4):22–6 (Eng. Abstr.) **(Rus)**
[Riboflavin operon in Bacillus subtilis contains additional promoters] Morozov GI, et al. **Mol Gen Mikrobiol Virusol** 1985 Dec;(12):14–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Dependence of pyridoxine metabolism on riboflavin status in sickle cell patients. Adelekan DA, et al. **Am J Clin Nutr** 1987 Jul;46(1):86–90
Phosphorylation heterogeneity of tryptic phosphopeptides of chicken riboflavin-binding protein. Vaughn VL, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):115–9
A spectrophotometric study of vitamin B2 and its coenzyme forms binding to muscle glycogen phosphorylase b. Klinov SV, et al. **Biochem Int** 1986 Aug;13(2):227–32
Riboflavin-binding protein. Concentration and fractional saturation in chicken eggs as a function of dietary riboflavin. White HB 3d, et al. **Biochem J** 1986 Sep 15; 238(3):671–5
Spectroscopic investigations of the single tryptophan residue and of riboflavin and 7-oxolumazine bound to lumazine apoprotein from Photobacterium leiognathi. Kulinski T, et al. **Biochemistry** 1987 Jan 27;26(2):540–9
Cloning of the riboB locus of Aspergillus nidulans. Oakley CE, et al. **Gene** 1987;53(2-3):293–8
Relationship between riboflavin intake and excretion in female rats after weaning of the litter. Leclerc J, et al. **Int J Vitam Nutr Res** 1987;57(1):45–51
Effects of aging and sex on the pituitary riboflavin metabolism of rats. Oikawa K, et al. **Int J Vitam Nutr Res** 1986;56(4):419
Effects of ethanol on the riboflavin metabolism in the lens. Ono S, et al. **Int J Vitam Nutr Res** 1987;57(1):106
Mechanisms underlying the differential effects of ethanol on the bioavailability of riboflavin and flavin adenine dinucleotide. Pinto J, et al. **J Clin Invest** 1987 May; 79(5):1343–8
Clarification and quantitation of primary (tissue) and secondary (microbial) catabolites of riboflavin that are excreted in mammalian (rat) urine. Chastain JL, et al. **J Nutr** 1987 Mar;117(3):468–75
Effect of exercise on riboflavin status of rats. Hunter KE, et al. **J Nutr** 1987 Feb;117(2):298–304
Riboflavin-binding immunoglobulins in human plasma. **Nutr Rev** 1987 May;45(5):133–4
Effects of dexamethasone phosphate on the formation of ester forms of riboflavin in the lens. Ono S, et al. **Ophthalmic Res** 1986;18(5):279–81

PHYSIOLOGY

Human requirements for riboflavin [letter] Bates CJ. **Am J Clin Nutr** 1987 Jul;46(1):122–3

RADIATION EFFECTS

Photodegradation of riboflavin in neonates. Sisson TR. **Fed Proc** 1987 Apr;46(5):1883–5

THERAPEUTIC USE

Riboflavin-responsive ethylmalonic-adipic aciduria. Green

A, et al. **J Inherited Metab Dis** 1985;8(2):67–70
Differential effects of riboflavin and RRR–alpha–tocopheryl acetate on the survival of newborn RCS rats with inheritable retinal degeneration. Eckhert CD. **J Nutr** 1987 Jan;117(1):208–11
Vitamin therapy helps fight CTS [letter] Wolf E. **Occup Health Saf** 1987 Feb;56(2):67
[Effect of a vitamin B2 derivative on recurrent oral ulcers; sequential analysis] Sha YQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):197–9, 252 (Eng. Abstr.) **(Chi)**

URINE

Urinary riboflavin excretion and erythrocyte glutathione reductase activity in preschool children suffering from upper respiratory infections and measles. Bamji MS, et al. **Ann Nutr Metab** 1987;31(3):191–6
Determination of riboflavine in human urine by the use of a hydrophilic gel column. Seki T, et al. **J Chromatogr** 1987 Jan 9;385:283–5

RIBOFLAVIN DEFICIENCY

CHEMICALLY INDUCED

New approaches to the possible prevention of side effects of chemotherapy by nutrition. Pinto J, et al. **Cancer** 1986 Oct 15;58(8 Suppl):1911–4

COMPLICATIONS

Riboflavin. Rivlin RS. **Adv Exp Med Biol** 1986;206:349–55
Nutritional disorders affecting the peripheral cornea. Powell SR, et al. **Int Ophthalmol Clin** 1986 Winter;26(4):137–46
A study of maternofetal iron transfer in the riboflavin–deficient rat. Powers HJ. **J Nutr** 1987 May; 117(5):852–6

DRUG THERAPY

[The effect of flavin adenine dinucleotide (FAD) on the vitamin B2 deficiency caused by antibiotics treatment] Endo Y, et al. **Nippon Naika Gakkai Zasshi** 1987 Apr; 76(4):510–3 **(Jpn)**

ENZYMOLOGY

Riboflavin status in a Saudi population—a study in Riyadh. el–Hazmi MA, et al. **Ann Nutr Metab** 1987;31(4):253–8

METABOLISM

Similarities between rat liver mitochondrial and cytosolic glutathione reductases and their apoenzyme accumulation in riboflavin deficiency. Taniguchi M, et al. **Biochem Int** 1986 Sep;13(3):447–54
Interaction of lead toxicity and riboflavin status in chicks (Gallus domesticus). Donaldson WE. **Comp Biochem Physiol [C]** 1986;85(1):1–3
Hepatic mitochondrial and peroxisomal oxidative capacity in riboflavin deficiency: effect of age, dietary fat and starvation in rats. Brady PS, et al. **J Nutr** 1986 Oct; 116(10):1992–9
Disturbances in the formation of FAD and covalently bound flavins in Novikoff hepatoma from riboflavin–deficient rats. Pinto J, et al. **Nutr Cancer** 1987;10(1–2):95–102
Effects of moderate riboflavin deficiency on lipid metabolism in rats. Liao F, et al. **Proc Natl Sci Counc Repub China [B]** 1987 Apr; 11(2):128–32
Human riboflavin requirements, and metabolic consequences of deficiency in man and animals. Bates CJ. **World Rev Nutr Diet** 1987;50:215–65 (367 ref.)

OCCURRENCE

Riboflavin status in preschool children in Northeast Thailand: a community survey. Vudhivai N, et al. **J Med Assoc Thai** 1986 Oct;69(10):543–8
[Consumption, food habits and nutritional status of the Reus population: VI. Risk of micronutrient malnutrition] Salas J, et al. **Med Clin (Barc)** 1987 Mar 14;88(10):405–10 (Eng. Abstr.) **(Spa)**

VETERINARY

Peripheral neuropathy of dietary riboflavin deficiency in chickens. Jortner BS, et al. **J Neuropathol Exp Neurol** 1987 Sep;46(5):544–55

RIBOFLAVIN SYNTHASE see under **TRANSFERASES**

RIBONUCLEASE A see **RIBONUCLEASE, PANCREATIC**

RIBONUCLEASE, PANCREATIC

Local structure in a tryptic fragment of performic acid oxidized ribonuclease A corresponding to a proposed polypeptide chain–folding initiation site detected by tyrosine fluorescence lifetime and proton magnetic resonance measurements. Haas E, et al. **Biochemistry** 1987 Mar 24;26(6):1672–83
A Fourier transform infrared investigation of the structural differences between ribonuclease A and ribonuclease S. Haris PI, et al. **Biochim Biophys Acta** 1986 Dec 12; 874(3):255–65
Ribonuclease A. Analysis of the hydrogen bond geometry, and spatial accessibility at the active site. Harris GW, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):348–56
Conformational study of two synthetic peptides with sequence analogies to the N–terminal fragment of RNase A. Bierzyński A, et al. **Biophys Chem** 1986 Dec 15; 25(2):127–34
Use of a trypsin–pulse method to study the refolding pathway of ribonuclease. Lang K, et al. **Eur J Biochem** 1986 Sep 1;159(2):275–81
1H NMR and CD evidence of the folding of the isolated ribonuclease 50–61 fragment. Jiménez MA, et al. **FEBS Lett** 1987 Sep 14;221(2):320–4
The mechanism of folding of pancreatic ribonucleases is independent of the presence of covalently linked carbohydrate. Grafl R, et al. **J Biol Chem** 1987 Aug 5; 262(22):10624–9
Covalent attachment of oligosaccharide–asparagine derivatives: incorporation into glutamine residues with the enzyme transglutaminase. Yan SB. **Methods Enzymol** 1987; 138:413–8
Toward an understanding of the folding of ribonuclease A. Scheraga HA, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5740–4

ANTAGONISTS & INHIBITORS

Why does ribonuclease irreversibly inactivate at high temperatures? Zale SE, et al. **Biochemistry** 1986 Sep 23; 25(19):5432–44

CHEMICAL SYNTHESIS

Amino acids and peptides. XIV. Synthesis and biological activity of three S–peptide analogues of bovine pancreatic ribonuclease A (RNase A). Teno N, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):468–78

GENETICS

A strong homology exists between the active T–cell binding gp120 octapeptide of human immunodeficiency virus and the subtilisin cleavage peptide of bovine ribonuclease A. Pincus MR, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):248–51
Anti–sense peptide recognition of sense peptides: direct quantitative characterization with the ribonuclease S–peptide system using analytical high–performance affinity chromatography [published erratum appears in Biochemistry 1987 May 5;26(9):2656] Shai Y, et al. **Biochemistry** 1987 Feb 10;26(3):669–75
Expression of bovine pancreatic ribonuclease A in Escherichia coli [published erratum appears in Eur J Biochem 1987 May 4;164(3):713] Nambiar KP, et al. **Eur J Biochem** 1987 Feb 16;163(1):67–71
Evolutionary role of posttranslational modifications of proteins, as illustrated by the glycosylation characteristics of the digestive enzyme pancreatic ribonuclease. Beintema JJ. **J Mol Evol** 1986;24(1–2):118–20

ISOLATION & PURIFICATION

[Isolation and various properties of soluble and membrane–bound acid RNAse from rat brain lysosomes] Nechaeva GA. **Biokhimiia** 1986 Oct;51(10):1688–95 (Eng. Abstr.) **(Rus)**

METABOLISM

Absorption of protein via the intestinal wall. A quantitative model. Ziv E, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1035–9
Characterization of the unfolding of ribonuclease A in aqueous methanol solvents. Fink AL, et al. **Biochemistry** 1987 Mar 24;26(6):1665–71
Reaction of (bromoacetamido)nucleoside affinity labels with ribonuclease A: evidence for steric control of reaction specificity and alkylation rate. Hummel CF, et al. **Biochemistry** 1987 Jan 13;26(1):135–46
Refolding of ribonuclease in the presence and absence of ammonium sulfate pulses. Comparison between experiments and simulations. Lin LN, et al. **Biochemistry** 1987 Apr 7;26(7):1826–30
Effects of bovine pancreatic ribonuclease A, S protein, and S peptide on activation of purified rat hepatic glucocorticoid–receptor complexes. Schmidt TJ, et al. **Biochemistry** 1986 Oct 7;25(20):5955–61
Isolation and characterization of a human colon carcinoma–secreted enzyme with pancreatic ribonuclease–like activity. Shapiro R, et al. **Biochemistry** 1986 Nov 18;25(23):7255–64
Activation of latent RNAase by antibodies against rat liver RNAase inhibitor. Yasuna H, et al. **Biochim Biophys Acta** 1986 Nov 21;874(2):220–6
Presence of a unique set of nuclear proteins at the sites sensitive to RNase A as well as DNase I. Inoue A, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):747–51
Roles of lysine1 and lysine7 residues of bovine pancreatic ribonuclease in the enzymatic activity. Irie M, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):1057–63
Degradation of proteins microinjected into HeLa cells. The role of substrate flexibility. Rote KV, et al. **J Biol Chem** 1986 Nov 25;261(33):15430–6
Protein folding in cryosolvents and at subzero temperatures. Fink AL. **Methods Enzymol** 1986;131:173–85
[Interaction of pyridoxal–5–phosphate with human serum albumin and pancreatic ribonuclease] Moroz AR, et al. **Biokhimiia** 1987 Apr;52(4):550–61 (Eng. Abstr.) **(Rus)**

RIBONUCLEASES

A Fourier transform infrared investigation of the structural differences between ribonuclease A and ribonuclease S. Haris PI, et al. **Biochim Biophys Acta** 1986 Dec 12; 874(3):255–65
1H–n.m.r. study of the folding of ribonuclease 12–(beta–(3–pyridyl)–L–Ala) S–peptide (1–14). Rico M, et al. **Int J Pept Protein Res** 1987 Feb;29(2):193–206
Reactions of reducing radicals with ribonuclease. Schuessler H, et al. **Int J Radiat Biol** 1986 Nov;50(5):825–39
The mechanism of folding of pancreatic ribonucleases is independent of the presence of covalently linked carbohydrate. Grafl R, et al. **J Biol Chem** 1987 Aug 5; 262(22):10624–9
Folding mechanism of porcine ribonuclease. Grafl R, et al. **J Mol Biol** 1986 Sep 20;191(2):281–93

ADMINISTRATION & DOSAGE

[Treatment of patients with meningitis and meningoencephalitis caused by acute respiratory virus infection with intranasal administration of a dimexide–nuclease mixture] Panchenko EN. **Vrach Delo** 1987 Feb;(2):113–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Milk–specific RNase as a marker of differentiation of rat mammary tumors. Liu DK, et al. **Proc Soc Exp Biol Med** 1987 Oct;186(1):60–3
[Distribution of DNase and RNase in psoriasis and their changes following PUVA—a study using immunohistochemical methods] Usuba S. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):729–36 **(Jpn)**

ANTAGONISTS & INHIBITORS

Activation of latent RNAase by antibodies against rat liver RNAase inhibitor. Yasuna H, et al. **Biochim Biophys Acta** 1986 Nov 21;874(2):220–6
Efficacy of RNase inhibitors during brain polysome isolation. Gauthier D, et al. **Neurochem Res** 1987 Apr;12(4):335–9
Human placental ribonuclease inhibitor abolishes both angiogenic and ribonucleolytic activities of angiogenin. Shapiro R, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(8):2238–41
[Isolation of nucleopolymerase inhibitors from microorganisms] Angelov T, et al. **Acta Microbiol Bulg** 1986;19:76–81 (Eng. Abstr.) **(Bul)**
[Influenza inhibitor of the host serum RNAse] Maksimovich MB. **Vopr Virusol** 1986 Sep–Oct;31(5):562–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Extracellular RNase produced by Yarrowia lipolytica. Cheng SC, et al. **J Bacteriol** 1986 Nov;168(2):581–9
Synthesis of seminal ribonuclease in isolated lobules of bull seminal vesicles. Quarto N, et al. **J Reprod Fertil** 1987 May; 80(1):81–9

BLOOD

Serum alkaline ribonuclease derived from vascular endothelial cells is raised in patients with rheumatoid vasculitis. Oribe M, et al. **Ann Rheum Dis** 1986 Nov; 45(11):937–40
Estimation of poly (C) avid serum ribonuclease in hepatoma patients. Francesconi M, et al. **Cancer Detect Prev** 1987; 10(5–6):379–81
Ribonuclease activity associated with human eosinophil–derived neurotoxin and eosinophil cationic protein. Slifman NR, et al. **J Immunol** 1986 Nov 1; 137(9):2913–7
[Clinical significance of serum ribonuclease (RNase) assay in acute leukemia] Maruoka K, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 1;9(1):35–43 (Eng. Abstr.) **(Jpn)**
[Effect of malathion on the nucleolytic enzyme activity of lymphocytes] Walter Z, et al. **Folia Med Cracov** 1987; 28(1–2):177–84 (Eng. Abstr.) **(Pol)**

GENETICS

Expression of Bacillus amyloliquefaciens extracellular ribonuclease (barnase) in Escherichia coli following an inactivating mutation. Paddon CJ, et al. **Gene** 1987; 53(1):11–9
Origin of the duplicated ribonuclease gene in guinea–pig: comparison of the amino acid sequences with those of two close relatives: capybara and cuis ribonuclease. Beintema JJ, et al. **J Mol Evol** 1983;19(2):145–52

ISOLATION & PURIFICATION

Purification and characterization of a ribonuclease specific for poly(U) and poly(C) from the larvae of Ceratitis capitata. Sideris DC, et al. **Eur J Biochem** 1987 Apr 15; 164(2):309–15

Separation and characterization of 5'- and 3'-tRNA processing nucleases from rat liver mitochondria. Manam S, et al. **J Biol Chem** 1987 Jul 25;262(21):10272–9

METABOLISM

Fractionation by lectin affinity chromatography indicates that the glycosylation of most ribonucleases in human viscera and body fluids is organ specific. Yamashita K, et al. **Arch Biochem Biophys** 1986 Oct;250(1):263–6

The cytotoxic eosinophil cationic protein (ECP) has ribonuclease activity. Gullberg U, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1239–42

A new ribonuclease from cobra venom (Naja naja) showing specificity towards cytidylic acid. Mahalakshmi YV, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):740–8

Putative nuclease-sensitive control element in unfertilized eggs of the sea urchin Lytechinus pictus. Mandley EN, et al. **Biochem Biophys Res Commun** 1987 Jun 15; 145(2):921–6

Site-directed protection of RNA during nuclease digestion. Beauchemin N, et al. **Biochem Cell Biol** 1987 Jan;65(1):43–9

The quantitative comparison of the effects of denaturants on the stability of proteins. Thomson JA, et al. **Biochem Cell Biol** 1986 Oct;64(10):993–8

Co-operativity in seminal ribonuclease function: binding studies. Di Donato A, et al. **Biochem J** 1987 Jan 15; 241(2):435–40

Brain messenger RNA levels and ribonuclease activity in Alzheimer's disease. Morrison MR, et al. **Biochem Soc Trans** 1987 Feb;15(1):133–4

Selective deamidation and enzymatic methylation of seminal ribonuclease. Di Donato A, et al. **Biochemistry** 1986 Dec 30;25(26):8361–8

Isolation and characterization of a human colon carcinoma-secreted enzyme with pancreatic ribonuclease-like activity. Shapiro R, et al. **Biochemistry** 1986 Nov 18;25(23):7255–64

Kinetic studies on turtle pancreatic ribonuclease: a comparative study of the base specificities of the B2 and P0 sites of bovine pancreatic ribonuclease A and turtle pancreatic ribonuclease. Katoh H, et al. **Biochim Biophys Acta** 1986 Oct 17;873(3):367–71

Purification and characterisation of ribonuclease activities that interact with the cytoplasmic inhibitor protein of rat tissues. Brockdorff NA, et al. **Eur J Biochem** 1987 Feb 16;163(1):89–95

On the interaction of bovine seminal RNase with actin in vitro. Simm FC, et al. **Eur J Biochem** 1987 Jul 1; 166(1):49–54

Processing and secretion of the Yarrowia lipolytica RNase. Cheng SC, et al. **J Bacteriol** 1987 Apr;169(4):1433–40

Degradation of proteins microinjected into HeLa cells. The role of substrate flexibility. Rote KV, et al. **J Biol Chem** 1986 Nov 25;261(33):15430–6

Polyadenylic acid metabolizing enzyme levels during induction of differentiation in a human leukemia T-cell line with phorbol ester. Perez S, et al. **JNCI** 1987 Mar; 78(3):407–11

Nucleolytic processing of ribonucleic acid transcripts in procaryotes. King TC, et al. **Microbiol Rev** 1986 Dec; 50(4):428–51 (199 ref.)

Effect of ribonucleases on cell-mediated lympholysis reaction and on GM-CFC colonies in bone marrow culture. Souček J, et al. **Nat Immun Cell Growth Regul** 1986;5(5):250–8

The activity of neutral ribonucleases in nuclei of rat sympathetic ganglia and effects of nerve injury. Bates DJ, et al. **Neurochem Res** 1987 Jun;12(6):541–9

[Protective effect of Astragalus polysaccharide on ribonucleases and the ribonuclease inhibitor system] Wang DY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Feb; 7(2):93–6, 70 (Eng. Abstr.) **(Chi)**

[Reactivation of alkaline ribonuclease using para-aminobenzoic acid] Kozhevnikova NA. **Dokl Akad Nauk SSSR** 1986;289(4):993–6 **(Rus)**

[Activity of soluble and membrane-bound acid ribonuclease in the cerebral ganglion of the honeybee during learning] Nechaeva GA, et al. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug; 36(4):791–3 **(Rus)**

PHARMACODYNAMICS

Studies with chymotrypsin and RNAase showing a heterooligomeric structure of the glucocorticoid receptor complex from rat liver which is stabilized by a low molecular weight factor. Tymoczko JL, et al. **Biochim Biophys Acta** 1986 Oct 10;888(3):296–305

RADIATION EFFECTS

[Oxygen binding by denatured and aggregated forms of ribonuclease depending on the dose of gamma irradiation] Kharchenko LI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar–Apr;(2):294–8 (Eng. Abstr.) **(Rus)**

URINE

The carbohydrate moieties of human urinary ribonuclease UL. Hitoi A, et al. **J Biochem (Tokyo)** 1987 Jan; 101(1):29–41

RIBONUCLEIC ACID see **RNA**

RIBONUCLEOPROTEINS

Amino acid sequence of UP1, an hnRNP-derived single-stranded nucleic acid binding protein from calf thymus. Merrill BM, et al. **Int J Pept Protein Res** 1987 Jan;29(1):21–39

RNA binding fragments from nucleolin contain the ribonucleoprotein consensus sequence. Bugler B, et al. **J Biol Chem** 1987 Aug 15;262(23):10922–5

ANALYSIS

Structure and function of nuclear and cytoplasmic ribonucleoprotein particles. Dreyfuss G. **Annu Rev Cell Biol** 1986;2:459–98 (204 ref.)

Identification of the Ro and La antigens in the endoribonuclease VII—ribonucleoprotein complex. Bachmann M, et al. **Biochem J** 1987 Apr 1;243(1):189–94

Cytoskeleton involvement in the distribution of mRNP complexes and small cytoplasmic RNAs. Bird RC, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):215–25

Identification and partial characterization of a Mr 40,000 nucleolar antigen associated with cell proliferation. Chatterjee A, et al. **Cancer Res** 1987 Feb 15;47(4):1123–9

Quantitation and potential function of nucleolar phosphoprotein pp 105 in mouse tumor cells, embryonic cells and normal tissues. Pfeifle J, et al. **Comp Biochem Physiol [B]** 1987;87(2):309–12

Purification of the individual snRNPs U1, U2, U5 and U4/U6 from HeLa cells and characterization of their protein constituents. Bringmann P, et al. **EMBO J** 1986 Dec 20; 5(13):3509–16

Mammalian single-stranded DNA binding protein UP I is derived from the hnRNP core protein A1. Riva S, et al. **EMBO J** 1986 Sep;5(9):2267–73

Disassembly and domain structure of the proteins in the signal-recognition particle. Scoulica E, et al. **Eur J Biochem** 1987 Mar 16;163(3):519–28

Disintegration of nucleoskeletal elements by metrizamide/2 M salt isopyknic centrifugation. Rest R, et al. **Exp Cell Res** 1986 Nov;167(1):144–56

Amino acid sequence of a specific antigenic peptide of protein B23. Chan PK, et al. **J Biol Chem** 1986 Oct 25; 261(30):14335–41

Immunoelectron microscope visualization of nuclear ribonucleoprotein antigens within spread transcription complexes. Fakan S, et al. **J Cell Biol** 1986 Oct; 103(4):1153–7

Differential chromosomal distribution of ribonucleoprotein antigens in nuclei of Drosophila spermatocytes. Glätzer KH, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2113–9

Sea urchin prosome: characterization and changes during development. Akhayat O, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1595–9

Proteins of hepatitis delta virus. Gerlich WH, et al. **Prog Clin Biol Res** 1987;234:97–103

[The use of immunosorption for the analysis of influenza virus RNA in intracellular viral ribonucleoproteins] Sklianskaia EI, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):36–7 (Eng. Abstr.) **(Rus)**

[Characteristics of the ribonucleoprotein of the measles virus persisting in a human cell culture] Andzhaparidze OG, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):567–72 (Eng. Abstr.) **(Rus)**

GENETICS

Effect of phospholipids on transcription and ribonucleoprotein processing in isolated nuclei. Capitani S, et al. **Adv Enzyme Regul** 1986;25:425–38

Colocalization of the myc oncogene protein and small nuclear ribonucleoprotein particles. Sullivan NF, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:943–7

Cloning of the human cDNA for the U1 RNA-associated 70K protein. Theissen H, et al. **EMBO J** 1986 Dec 1; 5(12):3209–17

Fungal small nuclear ribonucleoproteins share properties with plant and vertebrate U-snRNPs. Tollervey D, et al. **EMBO J** 1987 Feb;6(2):469–76

Primary structure of human nuclear ribonucleoprotein particle C proteins: conservation of sequence and domain structures in heterogeneous nuclear RNA, mRNA, and pre-rRNA-binding proteins. Swanson MS, et al. **Mol Cell Biol** 1987 May;7(5):1731–9

The role of small nuclear ribonucleoprotein particles in pre-mRNA splicing. Maniatis T, et al. **Nature** 1987 Feb 19–25;325(6106):673–8 (103 ref.)

A sequence upstream from the coding region is required for the transcription of the 7SK RNA genes. Murphy S, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9243–60

Molecular relationships between U snRNP proteins as investigated by rabbit antisera and peptide mapping. Reuter R, et al. **Nucleic Acids Res** 1987 May 26;15(10):4021–34

Analysis of a cDNA clone expressing a human autoimmune antigen: full-length sequence of the U2 small nuclear RNA-associated B" antigen. Habets WJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2421–5

Assembly of influenza ribonucleoprotein in vitro using recombinant nucleoprotein. Kingsbury DW, et al. **Virology** 1987 Feb;156(2):396–403

IMMUNOLOGY

Autoantibodies to nuclear proteins and ribonucleoprotein. Tan EM. **Acta Med Scand [Suppl]** 1987;715:99–105

Influence of mitosis on the in vitro intra-nuclear penetration of anti-RNP antibodies in several cell and tissue cultures. Guillet G, et al. **Agressologie** 1986 Sep;27(8):679–82

Anti-Ro(SS-A) antibodies and congenital heart block [editorial] Agarwala BN, et al. **Am Fam Physician** 1987 May;35(5):86, 88

HLA-DR4 and Gm(1,3;5,21) are associated with U1-nRNP antibody positive connective tissue disease. Genth E, et al. **Ann Rheum Dis** 1987 Mar;46(3):189–96

Clinical implications of ribonucleoprotein antibody. Rasmussen EK, et al. **Arch Dermatol** 1987 May; 123(5):601–5

Nuclear ribonucleoprotein immune complexes in pericardial fluid of a patient with mixed connective tissue disease. Negoro N, et al. **Arthritis Rheum** 1987 Jan;30(1):97–101

In vitro production of autoantibodies to U1 ribonucleoproteins by peripheral blood mononuclear cells from patients with connective tissue diseases. Ohosone Y, et al. **Arthritis Rheum** 1986 Nov;29(11):1343–50

Monoclonal autoantibody from a (New Zealand black x New Zealand white)F1 mouse and some human scleroderma sera target an Mr 34,000 nucleolar protein of the U3 RNP particle. Reimer G, et al. **Arthritis Rheum** 1987 Jul; 30(7):793–800

An immunoassay differentiating sera with antibodies to Sm alone, antibodies to Sm/RNP complex, and antibodies to RNP alone. Tsay GJ, et al. **Arthritis Rheum** 1987 Apr; 30(4):389–96

Cardiac damage in polymyositis associated with antibodies to tissue ribonucleoproteins. Behan WM, et al. **Br Heart J** 1987 Feb;57(2):176–80

IgG-subclass expression of anti-DNA and anti-ribonucleoprotein autoantibodies in human malaria. Zouali M, et al. **Clin Exp Immunol** 1986 Nov;66(2):273–8

Antibodies specific for N6-methyladenosine react with intact snRNPs U2 and U4/U6. Bringmann P, et al. **FEBS Lett** 1987 Mar 23;213(2):309–15

Parallel sets of autoantibodies in MRL-lpr/lpr mice. An anti-DNA, anti-SmRNP, anti-gp70 network. Migliorini P, et al. **J Exp Med** 1987 Feb 1;165(2):483–99

Autoantibodies against a specific nuclear RNP protein in sera of patients with autoimmune rheumatic diseases associated with myositis. Arad-Dann H, et al. **J Immunol** 1987 Apr 15;138(8):2463–8

Identification of human anti-DNA, anti-RNP, anti-SM, and anti-SS-A serum antibodies bearing the cross-reactive 16/6 idiotype. Kaburaki J, et al. **J Immunol** 1987 Jul 15; 139(2):385–92

Characterization of human autoantibodies that selectively precipitate the 7SL RNA component of the signal recognition particle. Okada N, et al. **J Immunol** 1987 May 15;138(10):3219–23

A competitive inhibition test of enzyme immunoassay for the anti-nRNP antibody. Nishimaki T, et al. **J Immunol Methods** 1987 Jun 26;100(1–2):157–60

Novel nucleolar antigens in autoimmune disease. Busch H, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:70–7

Autoantibodies against small nuclear ribonucleoprotein components. van Venrooij WJ. **J Rheumatol** 1987 Jun;14 Suppl 13:78–82

Psoriasis and Raynaud's phenomenon with antiribonucleoprotein antibodies [letter] Kallenberg CG, et al. **N Engl J Med** 1987 Jan 8;316(2):111–2

The neonatal lupus syndrome associated with U1RNP (nRNP) antibodies. Provost TT, et al. **N Engl J Med** 1987 Apr 30;316(18):1135–8

Human autoantibodies reactive with the signal-recognition particle. Reeves WH, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9507–11

Immunization of mice with purified U1 small nuclear ribonucleoprotein (RNP) induces a pattern of antibody specificities characteristic of the anti-Sm and anti-RNP autoimmune response of patients with lupus erythematosus, as measured by monoclonal antibodies. Reuter R, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8689–93

Clinical significance of U1-RNP immune complexes in mixed connective tissue disease and systemic lupus erythematosus. Negoro N, et al. **Rheumatol Int** 1987;7(1):7–11

ISOLATION & PURIFICATION

Identification and characterization of a hexameric form of nucleolar phosphoprotein B23. Yung BY, et al. **Biochim Biophys Acta** 1987 Jul 16;925(1):74–82

Covalent coupling of neuralizing factors from Xenopus to Sepharose beads: no decrease of inducing activity. Born J, et al. **Cell Differ** 1986 Sep;19(2):97–101

Purification of the individual snRNPs U1, U2, U5 and U4/U6 from HeLa cells and characterization of their protein constituents. Bringmann P, et al. **EMBO J** 1986 Dec 20; 5(13):3509–16

Large-scale purification of hnRNP proteins from HeLa cells by affinity chromatography on ssDNA-cellulose. Pandolfo M, et al. **Eur J Biochem** 1987 Jan 2;162(1):213–20

mRNA polyadenylate-binding protein: gene isolation and sequencing and identification of a ribonucleoprotein consensus sequence. Adam SA, et al. **Mol Cell Biol** 1986 Aug;6(8):2932–43

Electrophoresis of ribonucleoproteins reveals an ordered assembly pathway of yeast splicing complexes. Pikielny CW, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):341–5

METABOLISM

Effect of 3-methylcholanthrene on the protein composition of heterogeneous nuclear ribonucleoprotein particles in developing rat liver. Tomcsányi T, et al. **Acta Biochim Biophys Hung** 1986;21(1-2):53-8

Comparison of heterogeneous nuclear ribonucleoprotein particles of the developing rat liver. Tomcsányi T, et al. **Acta Biochim Biophys Hung** 1986;21(1-2):43-51

Association of protein C23 with rapidly labeled nucleolar RNA. Herrera AH, et al. **Biochemistry** 1986 Oct 7; 25(20):6258-64

Nuclear non-polyadenylated RNAs containing the first intervening sequence of the major late premessenger RNA from adenovirus-2: characterization and distribution in ribonucleoproteins. Gerst C, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):251-62

Nucleolar protein B23 translocation after doxorubicin treatment in murine tumor cells. Chan PK, et al. **Cancer Res** 1987 Jul 15;47(14):3798-801

A protein associated with small nuclear ribonucleoprotein particles recognizes the 3' splice site of premessenger RNA. Gerke V, et al. **Cell** 1986 Dec 26;47(6):973-84

Cap trimethylation of U snRNA is cytoplasmic and dependent on U snRNP protein binding. Mattaj IW. **Cell** 1986 Sep 12;46(6):905-11

A protein that specifically recognizes the 3' splice site of mammalian pre-mRNA introns is associated with a small nuclear ribonucleoprotein. Tazi J, et al. **Cell** 1986 Dec 5; 47(5):755-66

Stoichiometric association of cap-binding protein I with translated polysomal globin mRNP. Görlach M, et al. **EMBO J** 1986 Oct;5(10):2629-35

Purification, subunit structure and properties of a high-molecular-mass protein phosphatase capable of dephosphorylating mRNP of the brine shrimp Artemia sp. Thoen C, et al. **Eur J Biochem** 1987 Mar 16;163(3):503-11

A 5 S rRNA-like secondary structure in the 7 SL RNA may define a ribosomal binding site of the signal recognition particle. Boehm S. **FEBS Lett** 1987 Feb 9;212(1):15-20

Accessibility of phosphodiester bonds in the yeast ribosomal 5 S RNA protein complex. McDougall J, et al. **FEBS Lett** 1986 Dec 1;209(1):52-6

How proteins move across the endoplasmic reticulum membrane. Blobel G. **Hepatology** 1987 Jan-Feb;7(1 Suppl):26S-29S

Alu RNA transcribed in vitro binds the 68-kDa subunit of the signal recognition particle. Andrews PG, et al. **J Biol Chem** 1987 Feb 25;262(6):2908-12

In vivo effects of dexamethasone and cycloheximide on the phosphorylation of 110-kDa proteins and the protein kinase activities of rat liver nucleoli. Suzuki N, et al. **J Biol Chem** 1987 Apr 5;262(10):4696-700

Evidence for the existence in the nuclei of Friend cells of a new type of ribonucleoprotein network. Yancheva N, et al. **J Cell Sci** 1986 Aug;84:165-82

RNA-protein organization of U1, U5 and U4-U6 small nuclear ribonucleoproteins in HeLa cells. Lelay-Taha MN, et al. **J Mol Biol** 1986 Jun 5;189(3):519-32

The function of proteins that interact with mRNA. Larson DE, et al. **Mol Cell Biochem** 1987 Mar;74(1):5-15 (129 ref.)

Ribonucleoprotein complex formation during pre-mRNA splicing in vitro. Bindereif A, et al. **Mol Cell Biol** 1986 Jul;6(7):2582-92

Multiple interactions between the splicing substrate and small nuclear ribonucleoproteins in spliceosomes. Chabot B, et al. **Mol Cell Biol** 1987 Jan;7(1):281-93

The small nuclear ribonucleoprotein SS-B/La binds RNA with a conserved protease-resistant domain of 28 kilodaltons. Chan EK, et al. **Mol Cell Biol** 1987 Jul; 7(7):2588-91

Rapid inhibition of processing and assembly of small nuclear ribonucleoproteins after infection with vesicular stomatitis virus. Fresco LD, et al. **Mol Cell Biol** 1987 Mar; 7(3):1148-55

Phosphorylation of a 60 kDa polypeptide from Xenopus oocytes blocks messenger RNA translation. Kick D, et al. **Nucleic Acids Res** 1987 May 26;15(10):4099-109

Location of the binding domains for the RNA polymerase L and the ribonucleocapsid template within different halves of the NS phosphoprotein of vesicular stomatitis virus. Emerson SU, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5655-9

Active transport of messenger ribonucleoprotein particles in a reconstituted cell-free system. French BT, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5163-6

Intranuclear appearance of the phosphorylated form of cytoskeleton-associated 350-kDa proteins in U1-ribonucleoprotein regions after growth stimulation of fibroblasts. Sato C, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7287-91

A subset of yeast snRNA's contains functional binding sites for the highly conserved Sm antigen. Riedel N, et al. **Science** 1987 Jan 16;235(4786):328-31

Poliovirion-derived capsid proteins in subviral ribonucleoprotein complexes. Cantero-Aguilar L, et al. **Virology** 1987 Feb;156(2):259-67

PHARMACODYNAMICS

Signal recognition particle arrests elongation of nascent secretory and membrane proteins at multiple sites in a transient manner. Lipp J, et al. **J Biol Chem** 1987 Feb 5; 262(4):1680-4

PHYSIOLOGY

Interactions between small nuclear ribonucleoprotein particles in formation of spliceosomes. Konarska MM, et al. **Cell** 1987 Jun 19;49(6):763-74

Signal recognition particle causes a transient arrest in the biosynthesis of prepromelittin and mediates its translocation across mammalian endoplasmic reticulum. Ibrahimi I. **J Cell Biol** 1987 Jan;104(1):61-6

Recognition of mutant and cryptic 5' splice sites by the U1 small nuclear ribonucleoprotein in vitro. Chabot B, et al. **Mol Cell Biol** 1987 Feb;7(2):698-707

Both conserved signals on mammalian histone pre-mRNAs associate with small nuclear ribonucleoproteins during 3' end formation in vitro. Mowry KL, et al. **Mol Cell Biol** 1987 May;7(5):1663-72

Signal recognition. Two receptors act sequentially [news] Walter P. **Nature** 1987 Aug 27-Sep 2;328(6133):763-4

RIBONUCLEOSIDE DIPHOSPHATE REDUCTASE see under **RIBONUCLEOTIDE REDUCTASES**

RIBONUCLEOSIDES

Palindromic octa- and dodecanucleotides containing 2'-deoxytubercidin: synthesis, hairpin formation, and recognition by the endodeoxyribonuclease EcoRI. Seela F, et al. **Biochemistry** 1987 Apr 21;26(8):2232-8

Synthesis and properties of oligonucleotides containing 2'-deoxynebularine and 2'-deoxyxanthosine. Eritja R, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8135-53

Minor-groove-modified oligonucleotides: synthesis of decadeoxynucleotides containing hypoxanthine, N2-methylguanine and 3-deazaadenine, and their interactions with restriction endonucleases Bgl II, Sau, 3AI, and Mbo I (Nucleosides and Nucleotides Part 75). Ono A, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3059-72

ADMINISTRATION & DOSAGE

Oral ribavirin treatment of influenza A and B. Stein DS, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1285-7

Low-dose deoxycoformycin in the treatment of hairy cell leukemia. Kraut EH, et al. **Blood** 1986 Nov;68(5):1119-22

ADVERSE EFFECTS

Ribavirin: a word of caution [letter] Cusson JR. **Can Med Assoc J** 1987 Mar 15;136(6):563

Induction of DNA strand breaks in chronic lymphocytic leukemia following treatment with 2'-deoxycoformycin in vivo and in vitro. Begleiter A, et al. **Cancer Res** 1987 May 1;47(9):2498-503

Precipitation of ribavirin causing obstruction of a ventilation tube. Hicks RA, et al. **Pediatr Infect Dis** 1986 Nov-Dec; 5(6):707-8

[Mizoribine-induced hyperuricemia] Ishikawa I, et al. **Nippon Jinzo Gakkai Shi** 1986 Oct;28(10):1353-7 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Self-association and protonation of adenosine 5'-monophosphate in comparison with its 2'- and 3'-analogues and tubercidin 5'-monophosphate (7-deaza-AMP). Tribolet R, et al. **Eur J Biochem** 1987 Mar 2;163(2):353-63

Quantification of ribavirin in biological fluids and tissues by high-performance liquid chromatography. Smith RH, et al. **J Chromatogr** 1987 Feb 20;414(1):202-10

BLOOD

Nucleoside permeation in mouse erythrocytes infected with Plasmodium yoelii. Gati WP, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1134-41

Ribavirin disposition in high-risk patients for acquired immunodeficiency syndrome. Laskin OL, et al. **Clin Pharmacol Ther** 1987 May;41(5):546-55

CHEMICAL SYNTHESIS

Improved synthesis and antitumor activity of 1-deazaadenosine. Cristalli G, et al. **J Med Chem** 1987 Sep; 30(9):1686-8

Nucleic acid related compounds. 51. Synthesis and biological properties of sugar-modified analogues of the nucleoside antibiotics tubercidin, toyocamycin, sangivamycin, and formycin. De Clercq E, et al. **J Med Chem** 1987 Mar; 30(3):481-6

Synthesis of 5-beta-D-ribofuranosylnicotinamide and its N-methyl derivative. The isosteric and isoelectronic analogues of nicotinamide nucleoside. Kabat MM, et al. **J Med Chem** 1987 May;30(5):924-7

Synthesis and antitumor activity of certain 3-beta-D-ribofuranosyl-1,2,4-triazolo[3,4-f]-1,2,4-triazines related to formycin prepared via ring closure of a 1,2,4-triazine precursor. Ramasamy K, et al. **J Med Chem** 1986 Nov;29(11):2231-5

5-Amino-4-(diazoacetyl)-1-beta-D-ribofuranosylimidazole, a new antileukemic agent. Thomas HJ, et al. **J Med Chem** 1987 Feb;30(2):431-4

The synthesis and biological activity of certain pentaazaacenaphthylenes, hexaazaacenaphthylenes and their corresponding nucleosides. Townsend LB, et al. **Nucleic Acids Symp Ser** 1986;(17):41-4

[Synthesis of acyclic analogs of ribavirin] Tsilevich TL, et al. **Bioorg Khim** 1986 Jun;12(6):819-27 (Eng. Abstr.) **(Rus)**

METABOLISM

Mutant mouse cells with nitrobenzylthioinosine-insensitive nucleoside transport functions. Aronow B, et al. **Adv Exp Med Biol** 1986;195 Pt B:79-83

Studies on the mechanism of action of tiazofurin (2-beta-D-ribofuranosylthiazole-4-carboxamide). VI. Biochemical and pharmacological studies on the degradation of thiazole-4-carboxamide adenine dinucleotide (TAD). Ahluwalia GS, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3783-90

Pharmacokinetics of tiazofurin in dogs. Obeng EK, et al. **Biopharm Drug Dispos** 1987 Mar-Apr;8(2):125-32

Metabolism of tiazofurin by human erythrocytes and mononuclear blood cells in vitro. Roberts JD, et al. **Cancer Lett** 1986 Aug;32(2):193-7

Ribonucleoside uptake and phosphorylation during fertilization and early development of the sea-urchin, Strongylocentrotus purpuratus. Killian CE, et al. **Eur J Biochem** 1987 May 15;165(1):91-8

Clinical pharmacology of tiazofurin (2-beta-D-ribofuranosylthiazole-4-carboxamide, NSC 286193). Green RM, et al. **Invest New Drugs** 1986; 4(4):387-94

PHARMACODYNAMICS

Inhibitor of 2', 5'-oligoadenylate synthetase induced in human T lymphoblastoid cell line treated with deoxyadenosine, deoxycoformycin and interferon. Heike T, et al. **Adv Exp Med Biol** 1986;195 Pt B:683-7

Determination of S-adenosylhomocysteine in tissues following pharmacological inhibition of S-adenosylhomocysteine catabolism. Helland S, et al. **Adv Exp Med Biol** 1986;195 Pt B:663-6

Biochemistry and clinical applications of ribavirin. Gilbert BE, et al. **Antimicrob Agents Chemother** 1986 Aug; 30(2):201-5 (52 ref.)

Inhibition of mast cell mediator release by 5-amino-4-imidazolecarboxamide riboside. Marquardt DL, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4415-21

Analogs of 9-deazaadenosine: potent inhibitors of methylthioadenosine phosphorylase. Pankaskie MC, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2063-4

Inhibition of lymphoid cell growth by adenine ribonucleotide accumulation. The role of phosphoribosylpyrophosphate-depletion induced pyrimidine starvation. van der Kraan PM, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):213-21

Combined chemoseparation and immunoseparation of clonogenic T lymphoma cells from human bone marrow using 2'-deoxycoformycin, deoxyadenosine, 3A1 monoclonal antibody, and complement. Haleem A, et al. **Cancer Res** 1987 Sep 1;47(17):4608-12

Use of tiazofurin to enhance the metabolism and cytotoxic activities of analogues of guanine, guanosine, and deoxyguanosine. Saunders PP, et al. **Cancer Res** 1987 Feb 15;47(4):1022-6

Therapy with 9-beta-D-arabinofuranosyladenine (ARA-A) and 2'-deoxycoformycin increases the ARA-A content of ocular tissues. O'Brien WJ. **Curr Eye Res** 1986 Aug; 5(8):595-9

Effects of the S-adenosylhomocysteine hydrolase inhibitors 3-deazaadenosine and 3-deazaaristeromycin on RNA methylation and synthesis. Backlund PS Jr, et al. **Eur J Biochem** 1986 Oct 15;160(2):245-51

5,6-Dichloro-1-beta-O-ribofuranosylbenzimidazole induces DNA damage by interfering with DNA topoisomerase II. Lönn U, et al. **Eur J Biochem** 1987 May 4;164(3):541-5

Selective immunotoxic effects in mice treated with the adenosine deaminase inhibitor 2'-deoxycoformycin. Luebke RW, et al. **Immunopharmacology** 1987 Feb; 13(1):25-35

Synergism of 3-deazaadenosine with some Fc receptor ligands in the inhibition of antibody-dependent phagocytosis. Medzihradsky JL. **Int J Immunopharmacol** 1987;9(2):227-36

2'Deoxycoformycin and deoxyadenosine affect IL 2 production and IL 2 receptor expression of human T cells. Ruers TJ, et al. **J Immunol** 1987 Jan 1;138(1):116-22

Ribavirin inhibits mast cell mediator release. Marquardt DL, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):145-9

Ribavirin cures cells of a persistent infection with foot-and-mouth disease virus in vitro. de la Torre JC, et al. **J Virol** 1987 Jan;61(1):233-5

Inhibition of Semliki Forest virus multiplication by ribavirin: a potential method for the monitoring of antiviral agents in serum. van Tiel FH, et al. **J Virol Methods** 1986 Sep; 14(2):119-25

The effect of deazaadenosine analogues on the proliferation rate of cultured Vero cells. Silvotti L, et al. **Pharmacol Res Commun** 1987 May;19(5):359-66

Ribavirin antagonizes the effect of azidothymidine on HIV replication. Vogt MW, et al. **Science** 1987 Mar 13; 235(4794):1376-9

The synergistic effect of cyclosporine and mizoribine on heterotopic heart and partial-lung transplantation in rats.

Suzuki S, et al. **Transplantation** 1987 May;43(5):743–4
Sindbis virus mutants resistant to mycophenolic acid and ribavirin. Scheidel LM, et al. **Virology** 1987 May;158(1):1–7
[Suppression of corneal graft rejection in rabbits by mizoribine] Minami S, et al.
Nippon Ganka Gakkai Zasshi 1986 Dec;90(12):1448–54 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Clinical trials in hairy cell leukemia. Current status and future directions. Cheson BD, et al. **Ann Intern Med** 1987 Jun; 106(6):871–8 (71 ref.)
Xylotubercidin against herpes simplex virus type 2 in mice. De Clercq E, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):719–24
Protection of mice from lethal influenza virus infection with high dose–short duration ribavirin aerosol. Wyde PR, et al. **Antimicrob Agents Chemother** 1986 Dec;30(6):942–4
Effect of selenazofurin on influenza A and B virus infections of mice. Sidwell RW, et al. **Antiviral Res** 1986 Oct; 6(6):343–53
Efficacy of high dose–short duration ribavirin aerosol in the treatment of respiratory syncytial virus infected cotton rats and influenza B virus infected mice. Wyde PR, et al. **Antiviral Res** 1987 May;7(4):211–20
Ribavirin: indications for use in pediatrics. Infectious Diseases and Immunization Committee, Canadian Paediatric Society. **Can Med Assoc J** 1986 Dec 15;135(12):1351–2
Biochemical consequences of 2'-deoxycoformycin treatment in a patient with T-cell lymphoma. Some unusual findings. de Korte D, et al. **Cancer** 1987 Aug 15;60(4):750–5
Hematological and biochemical action of tiazofurin (NSC 286193) in a case of refractory acute myeloid leukemia. Tricot GJ, et al. **Cancer Res** 1987 Sep 15;47(18):4988–91
Phase II trial of tiazofurin in recurrent squamous cell carcinoma of the head and neck. Dimery IW, et al.
Cancer Treat Rep 1987 Apr;71(4):425–6
Phase I trial of tiazofurin administered by i.v. bolus daily for 5 days, with pharmacokinetic evaluation. Roberts JD, et al. **Cancer Treat Rep** 1987 Feb;71(2):141–9
Ribavirin. Fusco G, et al. **Conn Med** 1987 Feb;51(2):103–4
Ribavirin: a clinical overview. Fernandez H, et al.
Eur J Epidemiol 1986 Mar;2(1):1–14 (107 ref.)
Prevention of graft–versus–host disease in allogeneic bone marrow transplantation by pretreatment with 2'-deoxycoformycin. Epstein J, et al. **Exp Hematol** 1986 Oct;14(9):845–9
Clinical review of ribavirin. Eggleston M. **Infect Control** 1987 May;8(5):215–8 (34 ref.)
Therapeutic efficacy of liposome–encapsulated ribavirin and muramyl tripeptide in experimental infection with influenza or herpes simplex virus. Gangemi JD, et al.
J Infect Dis 1987 Mar;155(3):510–7
Effect of ribavirin therapy on respiratory syncytial virus–specific IgE and IgA responses after infection. Rosner IK, et al. **J Infect Dis** 1987 May;155(5):1043–7
Therapeutic effect of the antiviral agent ribavirin in Junin virus infection of primates. Weissenbacher MC, et al.
J Med Virol 1986 Nov;20(3):261–7
Resistance of cultured Lewis lung carcinoma cell lines to tiazofurin. Finlay GJ, et al. **JNCI** 1987 Aug;79(2):291–6
Ribavirin: case reports & discussion [published erratum appears in Kans Med 1987 Mar;88(3):98] Ziegler JM.
Kans Med 1987 Feb;88(2):43–5, 52
Ribavirin for treatment of RSV infection. Rimar JM.
MCN 1986 Nov–Dec;11(6):413
Remissions in hairy-cell leukemia with pentostatin (2'-deoxycoformycin). Spiers AS, et al. **N Engl J Med** 1987 Apr 2;316(14):825–30
Respiratory syncytial virus and ribavirin [letter] Sullivan BJ.
Pediatr Infect Dis 1986 Sep–Oct;5(5):605–6
Aerosolized ribavirin treatment of respiratory syncytial virus infection in infants hospitalized during an epidemic. Conrad DA, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):152–8
Aerosolized ribavirin in the treatment of patients with respiratory syncytial virus disease. Rodriguez WJ, et al.
Pediatr Infect Dis J 1987 Feb;6(2):159–63
Ribavirin for respiratory syncytial virus infection [letter] Sullivan BJ, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):697–8
Immunoglobulin administration and ribavirin therapy: efficacy in respiratory syncytial virus infection of the cotton rat. Gruber WC, et al. **Pediatr Res** 1987 Mar; 21(3):270–4
American Academy of Pediatrics Committee on Infectious Diseases: Ribavirin therapy of respiratory syncytial virus.
Pediatrics 1987 Mar;79(3):475–8
Ribavirin. Isaacs D. **Pediatrics** 1987 Feb;79(2):289–91
Ribavirin (virazole): a novel antiviral agent against viral respiratory tract infections. Ahmed ME, et al.
Ration Drug Ther 1986 Nov;20(11):1–3
Immunosuppression with low-dose cyclosporine combined with bredinin and prednisolone. Aso K, et al.
Transplant Proc 1987 Feb;19(1 Pt 3):1955–8
Decreased interleukin 2 production and increased LEU 2a–positive suppressor cells in renal transplant patients on triple therapy with mizoribine, cyclosporine A, and prednisolone. Okubo M, et al. **Transplant Proc** 1987 Feb; 19(1 Pt 3):1940–3
Conversion from cyclosporine to bredinin in canine orthotopic liver transplantation. Uchida H, et al.
Transplant Proc 1987 Feb;19(1 Pt 2):1290–4
Reaction of transcutaneous PO2 and laser Doppler flow signal on intraarterial infusion of PGE1 and nucleotide phosphates in patients with peripheral arterial occlusive disease. Caspary L, et al. **Vasa [Suppl]** 1987;17:17–22
[Clinical study of the antiviral preparation ML-76 in influenza] Iakushin AI, et al. **Tr Inst Pastera** 1985;63:42–7 **(Rus)**
[Inhibitory action of remantadine and ribavirin on chronic influenza infection in tissue cultures] Shobukhov VM, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):734–5 **(Rus)**

TOXICITY

6-Thiopurine riboside analogs: their toxicity and metabolism in Leishmania donovani and mammalian cells. LaFon SW, et al. **Adv Exp Med Biol** 1986;195 Pt B:565–71
In vivo inhibition of mouse liver methyltransferase enzymes following treatment with 2'-deoxycoformycin and 2'-deoxyadenosine. Renshaw J, et al.
Adv Exp Med Biol 1986;195 Pt B:673–5
Dominant lethal study of ribavirin in male rats. Hoffmann SH, et al. **Mutat Res** 1987 May;188(1):29–34

URINE

The age dependency of the creatinine–related concentration of ribonucleosides in human urine. Müller–Wickop J, et al. **J Clin Chem Clin Biochem** 1986 Dec;24(12):993–9

RIBONUCLEOTIDE REDUCTASES

The herpes simplex virus type 1 ribonucleotide reductase is a tight complex of the type alpha 2 beta 2 composed of 40K and 140K proteins, of which the latter shows multiple forms due to proteolysis. Ingemarson R, et al. **Virology** 1987 Feb;156(2):417–22

ANTAGONISTS & INHIBITORS

2'-Deoxy-2'-halonucleotides as alternate substrates and mechanism–based inactivators of Lactobacillus leichmannii ribonucleotide reductase. Harris G, et al. **Biochemistry** 1987 Apr 7;26(7):1895–902
Structure–activity studies on synthetic peptides inhibiting herpes simplex virus ribonucleotide reductase. Gaudreau P, et al. **J Biol Chem** 1987 Sep 15;262(26):12413–6
Development of inhibitors of mycobacterial ribonucleotide reductase. Schaper KJ, et al. **Lepr Rev** 1986;57 Suppl 3:254–64
Inhibition of ribonucleotide reductases encoded by herpes simplex viruses. Spector T. **Pharmacol Ther** 1985; 31(3):295–302

BIOSYNTHESIS

Hydroxyurea–resistant vaccinia virus: overproduction of ribonucleotide reductase. Slabaugh MB, et al. **J Virol** 1986 Nov;60(2):506–14

GENETICS

Reversion of hydroxyurea resistance, decline in ribonucleotide reductase activity, and loss of M2 gene amplification. McClarty GA, et al.
Biochem Biophys Res Commun 1987 Jun 30;145(3):1276–82
Three translationally regulated mRNAs are stored in the cytoplasm of clam oocytes. Swenson KI, et al.
Dev Biol 1987 Sep;123(1):10–6
Identification of the stable free radical tyrosine residue in ribonucleotide reductase. Larsson A, et al. **EMBO J** 1986 Aug;5(8):2037–40
The bacteriophage T4 gene for the small subunit of ribonucleotide reductase contains an intron. Sjöberg BM, et al. **EMBO J** 1986 Aug;5(8):2031–6
Differential accumulation of ribonucleotide reductase subunits in clam oocytes: the large subunit is stored as a polypeptide, the small subunit as untranslated mRNA. Standart N, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2129–36
Isolation and characterization of expressible cDNA clones encoding the M1 and M2 subunits of mouse ribonucleotide reductase. Thelander L, et al. **Mol Cell Biol** 1986 Oct; 6(10):3433–42
Variable occurrence of the nrdB intron in the T-even phages suggests intron mobility. Pedersen–Lane J, et al. **Science** 1987 Jul 10;237(4811):182–4
Gene for M1 subunit of ribonucleotide reductase is amplified in hydroxyurea–resistant hamster cells. Cocking JM, et al.
Somatic Cell Mol Genet 1987 May;13(3):221–33
Altered expression of ribonucleotide reductase and role of M2 gene amplification in hydroxyurea–resistant hamster, mouse, rat, and human cell lines. Wright JA, et al.
Somatic Cell Mol Genet 1987 Mar;13(2):155–65
A restricted component of the Epstein–Barr virus early antigen complex is structurally related to ribonucleotide reductase. Goldschmidts W, et al. **Virology** 1987 Mar; 157(1):220–6

IMMUNOLOGY

Neutralization of herpes simplex virus ribonucleotide reductase activity by an oligopeptide–induced antiserum directed against subunit H2. Cohen EA, et al. **J Virol** 1986 Dec;60(3):1130–3

METABOLISM

Protein properties of the subunits of ribonucleotide reductase and the specificity of the allosteric site(s). Cory JG, et al.
Adv Enzyme Regul 1986;25:3–19
Characterization of hydroxyurea (HYU) resistant S49 T lymphoma cells. Albert DA, et al. **Adv Exp Med Biol** 1986; 195 Pt B:305–9
Increased level of ribonucleotide reductase in deoxyadenosine resistant adenosine deaminase deficient human histiocytic lymphoma cells. Dahbo Y, et al.
Adv Exp Med Biol 1986;195 Pt B:231–4
Activities of both ribonucleotide reductase subunits, M1 and M2, decrease upon serum starvation of baby hamster kidney 21/C13 cells. Cohen EA, et al. **Biochem Cell Biol** 1987 Jan;65(1):35–42
Effect of adenosine analogues on protein carboxylmethyltransferase, S–adenosylhomocysteine hydrolase, and ribonucleotide reductase activity in murine neuroblastoma cells. O'Dea RF, et al. **Cancer Res** 1987 Jul 15;47(14):3656–61
Differential turnover of the subunits of ribonucleotide reductase in synchronized leukemia L1210 cells. Rubin EH, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6165–8
Effects of N–hydroxy–N'–aminoguanidine derivatives on ribonucleotide reductase activity, nucleic acid synthesis, clonogenicity, and cell cycle of L1210 cells. Weckbecker G, et al. **Cancer Res** 1987 Feb 15;47(4):975–8
Ribonucleotide reductase of Escherichia coli. Cross–linking agents as probes of quaternary and quinary structure. Mathews CK, et al. **Eur J Biochem** 1987 Jul 15; 166(2):279–85
Relationship between pyridine nucleotide levels and ribonucleotide reductase activity in Yoshida ascites hepatoma AH130. Chevanne M, et al. **Exp Cell Res** 1986 Dec;167(2):327–36
Localization of the deoxyribonucleotide biosynthetic enzymes ribonucleotide reductase and thymidylate synthase in mouse L cells. Kucera R, et al. **Exp Cell Res** 1986 Dec; 167(2):417–28
NAD(P)H:flavin oxidoreductase of Escherichia coli. A ferric iron reductase participating in the generation of the free radical of ribonucleotide reductase. Fontecave M, et al.
J Biol Chem 1987 Sep 5;262(25):12325–31
The function of superoxide dismutase during the enzymatic formation of the free radical of ribonucleotide reductase. Fontecave M, et al. **J Biol Chem** 1987 Sep 5; 262(25):12332–6
Half-site reactivity of the tyrosyl radical of ribonucleotide reductase from Escherichia coli. Sjöberg BM, et al.
J Biol Chem 1987 Jul 15;262(20):9736–43
Identification of viral polypeptides involved in pseudorabies virus ribonucleotide reductase activity. Cohen EA, et al.
J Virol 1987 Jun;61(6):2046–9
Current ideas on the chemical mechanism of ribonucleotide reductases. Ashley GW, et al. **Pharmacol Ther** 1985; 30(3):301–29 (84 ref.)
[The radical enzyme ribonucleotide reductase in animal tissues with a high proliferative activity] Pulatova MK, et al. **Izv Akad Nauk SSSR [Biol]** 1986 Sep–Oct;(5):721–6 (Eng. Abstr.) **(Rus)**
[Iron–sulfur respiratory chain centers, ribonucleotide reductase activity and biosynthesis of macromolecules in the spleen of mice during acute radiation injury] Avakian MA, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):626–30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Protection of L5178Y cells by vitamin E against acute hydroxyurea toxicity does not change the efficiency of ribonucleotide reductase–mediated hydroxyurea–induced cytotoxic events. Przybyszewski WM, et al. **Cancer Lett** 1987 Mar;34(3):337–44

RIBONUCLEOTIDES

Factors controlling the Pb(II) promoted dephosphorylation of nucleotides. Butzow JJ, et al. **J Inorg Biochem** 1986 Sep;28(1):21–31

ADMINISTRATION & DOSAGE

[Experimental substantiation of the phonophoresis of RNA hydrolysate (ENKAD) and its effect on cytochemical indicators in the retina] Marmur RK, et al.
Oftalmol Zh 1986;(4):211–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of ribonucleoside triphosphates and deoxyribonucleoside triphosphates in Novikoff hepatoma cells by high–performance liquid chromatography. Arezzo F. **Anal Biochem** 1987 Jan;160(1):57–64
Comparison of sample preparation methods for the high–performance liquid chromatographic analysis of cell culture extracts for triphosphate ribonucleosides and deoxyribonucleosides. Harmenberg J, et al.
Anal Biochem 1987 Feb 15;161(1):26–31
Aberrant ribonucleotide pattern in lymphoid cells from patients with chronic lymphocytic leukaemia or non–Hodgkin lymphoma. de Korte D, et al.
Int J Cancer 1987 Aug 15;40(2):192–7
Errors from using 3H–labeled ribonucleoside triphosphates to monitor nuclear RNA synthesis in vitro. Yu FL, et al.
J Biochem Biophys Methods 1986 Dec;13(6):333–42
Separation and quantitation of bacterial ribonucleoside

triphosphates extracted with trifluoroacetic acid, by anion-exchange high-performance liquid chromatography. Dutta PK, et al. **J Chromatogr** 1987 Jan 9;385:119-24

Simultaneous separation of ribonucleotides, nucleosides and nitrogen bases by ion-pair reversed-phase high-performance liquid chromatography on columns with radial compression. Pimenov AM, et al. **J Chromatogr** 1986 Sep 19;365:221-7

BIOSYNTHESIS

Variation of incorporation of [3H]orotic acid into the nucleotide and RNA fractions of different parts of the same liver lobe in the rat. Andersson M, et al. **Int J Biochem** 1987;19(8):745-8

Utilization of glutamate accumulating bacterial cells for production of ribonucleotides. Hsieh WT. **Proc Natl Sci Counc Repub China [B]** 1985 Jan;9(1):70-3

CHEMICAL SYNTHESIS

The synthesis and biological activity of certain pentaazaacenaphthylenes, hexaazaacenaphthylenes and their corresponding nucleosides. Townsend LB, et al. **Nucleic Acids Symp Ser** 1986;(17):41-4

ISOLATION & PURIFICATION

Isotachophoretic and HPLC determination of nucleotides in rat liver cell nuclei isolated by non-aqueous technique. Andersson M, et al. **Int J Biochem** 1987;19(7):641-7

Sensitive on-line radioactivity measurements with a heterogeneous flow-cell: application to lymphoid cell ribonucleotides separated by high-performance liquid chromatography. de Korte D, et al. **J Chromatogr** 1987 Apr 10;415(2):383-7

METABOLISM

Alteration of ribonucleotide and deoxyribonucleotide metabolism by interferon in human B-lymphoblastoid cells. Barankiewicz J, et al. **Adv Exp Med Biol** 1986;195 Pt B:677-81

Mitochondrial protein import: nucleoside triphosphates are involved in conferring import-competence to precursors. Pfanner N, et al. **Cell** 1987 Jun 19;49(6):815-23

Na+ transport by reconstituted Na+,K+-ATPase in the presence of various nucleotides. Svinukhova IA, et al. **FEBS Lett** 1987 Apr 20;214(2):335-8

Increased adenylate energy charges in rat liver or primary cultured rat hepatocytes by diisopropyl 1,3-dithiol-2-ylidenemalonate. Itakura M, et al. **Gen Pharmacol** 1987;18(1):13-5

Study of the nucleotide binding site of the yeast Schizosaccharomyces pombe plasma membrane H+-ATPase using formycin triphosphate-terbium complex. Ronjat M, et al. **J Biol Chem** 1987 Mar 5; 262(7):3146-53

Modification of ribonucleotide and deoxyribonucleotide metabolism in interferon-treated human B-lymphoblastoid cells. Barankiewicz J, et al. **J Interferon Res** 1986 Dec; 6(6):717-27

The reaction mechanism of N-benzoylimidazole with ribonucleotides. Wang Y, et al. **Nucleic Acids Res** 1987 May 26;15(10):4291-305

Ribonucleotide-induced helical alteration in DNA prevents nucleosome formation. Hovatter KR, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1162-6

Nucleoside triphosphate-dependent DNA-binding properties of mos protein. Seth A, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3560-4

Dietary and metabolic manipulations of the carcinogenic process: role of nucleotide pool imbalances in carcinogenesis. Rao PM, et al. **Toxicol Pathol** 1987; 15(2):190-3

PHARMACODYNAMICS

Inhibition of mast cell mediator release by 5-amino-4-imidazolecarboxamide riboside. Marquardt DL, et al. **Adv Exp Med Biol** 1986;195 Pt B:15-8

Inhibition of adenylosuccinate lyase by L-alanosyl-5-aminoimidazole-4-carboxylic acid ribonucleotide (alanosyl-AICOR). Casey PJ, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):705-9

Activity of tricyclic nucleoside 5'-phosphate in model systems of human ovarian cancer. Behrens BC, et al. **Invest New Drugs** 1986;4(4):295-304

Inactivation of the RNA polymerase of vesicular stomatitis virus by N-ethylmaleimide and protection by nucleoside triphosphates. Evidence for a second ATP binding site on L protein. Massey DM, et al. **J Biol Chem** 1987 Jun 25; 262(18):8734-7

Thrombin- and nucleotide-activated phosphatidylinositol 4,5-bisphosphate phospholipase C in human platelet membranes. Rock CO, et al. **J Biol Chem** 1987 Apr 25; 262(12):5492-8

Intrinsic ATPase activity of yeast peptide chain elongation factor 3(EF-3) and its direct interaction with various nucleotides. Miyazaki M, et al. **Nucleic Acids Symp Ser** 1986;(17):171-4

THERAPEUTIC USE

Reaction of transcutaneous PO2 and laser Doppler flow signal on intraarterial infusion of PGE1 and nucleotide phosphates in patients with peripheral arterial occlusive disease. Caspary L, et al. **Vasa [Suppl]** 1987;17:17-22

RIBOSE

METABOLISM

The metabolic significance of pentose cycle measurements in perfused liver. Williams JF, et al. **Biochem Int** 1986 Aug; 13(2):321-33

Binding protein-dependent transports in 2-oxo acids dehydrogenase mutants of Escherichia coli. Richarme G. **Biochim Biophys Acta** 1987 Sep 10;893(2):373-7

Inhibition of hemopoietic growth factor-induced proliferation by adenosine diphosphate-ribosylation inhibitors. Colon-Otero G, et al. **Blood** 1987 Sep; 70(3):686-93

Glucocorticoid agonists as well as antagonists are effective inducers of mouse mammary tumor virus RNA in mouse mammary tumor cells treated with inhibitors of ADP-ribosylation. Johnson GS, et al. **J Cell Physiol** 1986 Oct;129(1):36-42

Oxidation of glucose, ribose, alanine, and glutamate by Leishmania braziliensis panamensis. Keegan FP, et al. **J Protozool** 1987 May;34(2):174-9

PHARMACODYNAMICS

Improved maintenance of adenosine triphosphate in five-day perfused kidneys with adenine and ribose. McAnulty JF, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1376-9

THERAPEUTIC USE

Myoadenylate deaminase deficiency: successful symptomatic therapy by high dose oral administration of ribose. Zöllner N, et al. **Klin Wochenschr** 1986 Dec 15;64(24):1281-90

RIBOSEMONOPHOSPHATES see under **PENTOSEPHOSPHATES**

RIBOSEPHOSPHATE PYROPHOSPHOKINASE see under **PHOSPHOTRANSFERASES, ATP**

RIBOSOMAL DNA see **DNA, RIBOSOMAL**

RIBOSOMAL PROTEINS

The secondary structure of salt-extracted ribosomal proteins from Escherichia coli as studied by circular dichroic spectroscopy. Dijk J, et al. **Biochim Biophys Acta** 1986 Nov 21;874(2):227-34

The tertiary structure of salt-extracted ribosomal proteins from Escherichia coli as studied by proton magnetic resonance spectroscopy and limited proteolysis experiments. Littlechild J, et al. **Biochim Biophys Acta** 1987 Jun 17;913(2):245-55

The complete amino acid sequences of the 5 S rRNA binding proteins L5 and L18 from the moderate thermophile Bacillus stearothermophilus ribosome. Kimura J, et al. **FEBS Lett** 1987 Jan 1;210(1):85-90

The complete amino acid sequence of ribosomal protein S12 from Bacillus stearothermophilus. Kimura M, et al. **FEBS Lett** 1987 Jan 1;210(1):91-6

Physical characteristics of ribosomal protein S4 from Escherichia coli. Dodd J, et al. **J Biol Chem** 1987 Feb 25; 262(6):2478-84

The primary structure of rat ribosomal protein L7. The presence near the amino terminus of L7 of five tandem repeats of a sequence of 12 amino acids. Lin A, et al. **J Biol Chem** 1987 Sep 15;262(26):12665-71

Negatively stained 50 S ribosomal subunits of Escherichia coli. Hoppe W, et al. **J Mol Biol** 1986 Nov 20; 192(2):291-322

Interconversion of active and inactive 30 S ribosomal subunits is accompanied by a conformational change in the decoding region of 16 S rRNA. Moazed D, et al. **J Mol Biol** 1986 Oct 5;191(3):483-93

Sequential resonance assignments as a basis for the determination of a three-dimensional structure of protein E-L30 of Escherichia coli. van de Ven FJ, et al. **J Mol Biol** 1986 Nov 20;192(2):419-41

Characterization of single crystals of the large ribosomal particles from a mutant of Bacillus stearothermophilus. Yonath A, et al. **J Mol Biol** 1986 Nov 5;192(1):161-2

Crystal structure of a prokaryotic ribosomal protein. Wilson KS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7251-5

ANALYSIS

Ribosomal proteins and DNA-binding protein II from the extreme thermophile Bacillus caldolyticus. Beck A, et al. **Biol Chem Hoppe Seyler** 1987 Feb;368(2):121-30

Multiple crosslinks of proteins S7 and S9 to domains 3 and 4 of 16S ribosomal RNA in the Escherichia coli 30S particle. Chiaruttini C, et al. **Eur J Biochem** 1986 Oct 15; 160(2):363-70

Structural analysis of 5S rRNA, 5S rRNA-protein complexes and ribosomes employing RNase H and d(GTTCGG). Lorenz S, et al. **Eur J Biochem** 1987 Mar 2;163(2):239-46

Structural and immunochemical characterization of a ribosomal protein from gram-positive Micrococcus luteus which is functionally homologous to Escherichia coli ribosomal protein S1. Muralikrishna P, et al. **Eur J Biochem** 1987 Sep 1;167(2):299-305

The complete amino acid sequence of the ribosomal 'A' protein (L12) from Bacillus stearothermophilus. Garland WG, et al. **FEBS Lett** 1987 Aug 10;220(1):43-6

Pleiotropic changes in cycloheximide-resistant insect cell clones. Nouri N, et al. **In Vitro Cell Dev Biol** 1987 Mar; 23(3):175-80

Analysis of Escherichia coli ribosomal proteins by an improved two dimensional gel electrophoresis. I. Detection of four new proteins. Wada A. **J Biochem (Tokyo)** 1986 Dec;100(6):1583-94

Analysis of Escherichia coli ribosomal proteins by an improved two dimensional gel electrophoresis. II. Characterization of four new proteins. Wada A. **J Biochem (Tokyo)** 1986 Dec;100(6):1595-605

The primary structures of ribosomal proteins S14 and S16 from the archaebacterium Halobacterium marismortui. Comparison with eubacterial and eukaryotic ribosomal proteins. Kimura J, et al. **J Biol Chem** 1987 Sep 5; 262(25):12150-7

Stimulated neutrophils produce an ethanolamine plasmalogen analog of platelet-activating factor. Tessner TG, et al. **J Biol Chem** 1987 Sep 15;262(26):12660-4

Effect of heat shock on ribosome structure: appearance of a new ribosome-associated protein. McMullin TW, et al. **Mol Cell Biol** 1986 Jul;6(7):2527-35

Primary structure of human ribosomal protein S14 and the gene that encodes it. Rhoads DD, et al. **Mol Cell Biol** 1986 Aug;6(8):2774-83

RNA-protein cross-linking in Escherichia coli 30S ribosomal subunits; determination of sites on 16S RNA that are cross-linked to proteins S3, S4, S7, S9, S10, S11, S17, S18 and S21 by treatment with bis-(2-chloroethyl)-methylamine. Greuer B, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3241-55

RNA-protein cross-linking in Escherichia coli 30S ribosomal subunits; determination of sites on 16S RNA that are cross-linked to proteins S3, S4, S5, S7, S8, S9, S11, S13, S19 and S21 by treatment with methyl p-azidophenyl acetimidate. Osswald M, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3221-40

Topography and stoichiometry of acidic proteins in large ribosomal subunits from Artemia salina as determined by crosslinking. Uchiumi T, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5580-4

[Characterization of the ribosomal proteins of Entamoeba histolytica] Vargas MA, et al. **Arch Invest Med (Mex)** 1986; 17 Suppl 1:81-5 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Faster ribosome synthesis induced by elevated aortic pressure in rat heart. Chua BH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):C323-7

Protein synthesis in yeast Saccharomyces cerevisiae. Purification of Co-eIF-2A and 'mRNA-binding factor(s)' and studies of their roles in Met-tRNAf.40S.mRNA complex formation. Nasrin N, et al. **Eur J Biochem** 1986 Nov 17;161(1):1-6

Transcriptional and translational regulation of ribosomal protein formation during mouse myoblast differentiation. Agrawal MG, et al. **J Biol Chem** 1987 Apr 5; 262(10):4868-75

Scrapie, ribosomal proteins and biological information. Wills PR. **J Theor Biol** 1986 Sep 21;122(2):157-78

Translational control of ribosomal protein synthesis during early Dictyostelium discoideum development. Steel LF, et al. **Mol Cell Biol** 1987 Mar;7(3):965-72

Stable repression of ribosomal protein L1 synthesis in Xenopus oocytes by microinjection of antisense RNA. Wormington WM. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8639-43

GENETICS

The primary structure of the ribosomal A-protein (L12) from the moderate halophile NRCC 41227. Falkenberg P, et al. **Biochem Cell Biol** 1986 Jul;64(7):675-80

Rat ribosomal protein L35a multigene family: molecular structure and characterization of three L35a-related pseudogenes. Kuzumaki T, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):99-106

Organization of genes for ribosomal proteins S7 and S12, elongation factors EF-Tu and EF-G in the cyanobacterium Spirulina platensis. Tiboni O, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):113-22

Evidence for in vivo trans splicing of pre-mRNAs in tobacco chloroplasts. Koller B, et al. **Cell** 1987 Jan 16;48(1):111-9

Specific binding of TUF factor to upstream activation sites of yeast ribosomal protein genes. Vignais ML, et al. **EMBO J** 1987 May;6(5):1451-7

Nucleotide sequence of cloned cDNA specific for rat ribosomal protein L31. Tanaka T, et al. **Eur J Biochem** 1987 Jan 2;162(1):45-8

Ribosomal protein, histone and calmodulin mRNAs are differently regulated at the translational level during oogenesis of Xenopus laevis. Cardinali B, et al. **Exp Cell Res** 1987 Apr;169(2):432-41

Complementarity of conserved sequence elements present in 28S ribosomal RNA and in ribosomal protein genes of Xenopus laevis and Xenopus tropicalis. Cutruzzolá F, et al. **Gene** 1986;49(3):371-6

Characterisation of an mRNA encoding a human ribosomal

protein homologous to the yeast L44 ribosomal protein. Davies MS, et al. **Gene** 1986;45(2):183–91

Antisuppressor mutations in Aspergillus nidulans: cold-resistant revertants of suppressor suaC109. Martinelli SD. **Genet Res** 1987 Jun;49(3):191–200

Posttranscriptional regulation of ribosomal protein S20 and stability of the S20 mRNA species. Mackie GA. **J Bacteriol** 1987 Jun;169(6):2697–701

Evidence that Rho and NusA are involved in termination in the rplL–rpoB intercistronic region. Ralling G, et al. **J Bacteriol** 1987 May;169(5):2277–80

Mutational alterations of translational coupling in the L11 ribosomal protein operon of Escherichia coli. Sor F, et al. **J Bacteriol** 1987 Aug;169(8):3495–507

Gene for the alpha subunit of Bacillus subtilis RNA polymerase maps in the ribosomal protein gene cluster. Suh JW, et al. **J Bacteriol** 1986 Oct;168(1):65–71

Primary structures of and genes for new ribosomal proteins A and B in Escherichia coli. Wada A, et al. **J Biochem (Tokyo)** 1987 Mar;101(3):817–20

The primary structure of rat ribosomal protein L5. A comparison of the sequence of amino acids in the proteins that interact with 5 S rRNA. Chan YL, et al. **J Biol Chem** 1987 Sep 15;262(26):12879–86

Assembly of the mitochondrial membrane system. MRP1 and MRP2, two yeast nuclear genes coding for mitochondrial ribosomal proteins. Myers AM, et al. **J Biol Chem** 1987 Mar 5;262(7):3388–97

Nucleotide sequence of the pnp gene of Escherichia coli encoding polynucleotide phosphorylase. Homology of the primary structure of the protein with the RNA-binding domain of ribosomal protein S1. Régnier P, et al. **J Biol Chem** 1987 Jan 5;262(1):63–8

Transcriptional elements of the yeast ribosomal protein gene CYH2. Schwindinger WF, et al. **J Biol Chem** 1987 Apr 25;262(12):5690–5

At least seven ribosomal proteins are involved in the control of translational accuracy in a eukaryotic organism. Dequard-Chablat M, et al. **J Mol Biol** 1986 Jul 20; 190(2):167–75

Examination of protein sequence homologies: III. Ribosomal protein YS25 from Saccharomyces cerevisiae and its counterparts from Schizosaccharomyces pombe, rat liver, and Escherichia coli. Otaka E, et al. **J Mol Evol** 1986; 23(4):337–42

Evolution of proteins in mammalian cytoplasmic and mitochondrial ribosomes. Pietromonaco SF, et al. **J Mol Evol** 1986;24(1–2):110–7

Cytoplasmic ribosomal proteins from Chlamydomonas reinhardtii: characterization and immunological comparisons. Fleming GH, et al. **MGG** 1987 Feb; 206(2):226–37

Functional interactions in vivo between suppressor tRNA and mutationally altered ribosomal protein S4. Kirsebom LA, et al. **MGG** 1986 Nov;205(2):240–7

Transcriptional regulation of ribosomal proteins during a nutritional upshift in Saccharomyces cerevisiae. Donovan DM, et al. **Mol Cell Biol** 1986 Jul;6(7):2429–35

Structure and expression of the Saccharomyces cerevisiae CRY1 gene: a highly conserved ribosomal protein gene. Larkin JC, et al. **Mol Cell Biol** 1987 May;7(5):1764–75

Effects of progressive depletion of TCM1 or CYH2 mRNA on Saccharomyces cerevisiae ribosomal protein accumulation. Nam HG, et al. **Mol Cell Biol** 1986 May; 6(5):1535–44

Tripartite upstream promoter element essential for expression of Saccharomyces cerevisiae ribosomal protein genes. Rotenberg MO, et al. **Mol Cell Biol** 1986 Feb;6(2):674–87

Sequences coding for the ribosomal protein L14 in Xenopus laevis and Xenopus tropicalis; homologies in the 5' untranslated region are shared with other r-protein mRNAs. Beccari E, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7633–46

The nucleotide sequence of the ribosomal protein L14 gene of Xenopus laevis. Beccari E, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1870–2

Isolation and characterisation of a murine cDNA clone highly homologous to the yeast L29 ribosomal protein gene. Belhumeur P, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):1019–29

Chemical and functional characterization of an altered form of ribosomal protein S4 derived from a strain of E. coli defective in auto-regulation of the alpha operon. Changchien LM, et al. **Nucleic Acids Res** 1986 Sep 11; 14(17):6929–44

Complete sequence of mo. . S6 ribosomal protein. Lalanne JL, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4990

Structure of the DNA distal to the gene for ribosomal protein S20 in Escherichia coli K12: presence of a strong terminator and an IS1 element. Mackie GA. **Nucleic Acids Res** 1986 Sep 11;14(17):6965–81

The sequence of the maize plastid encoded rps3 locus. McLaughlin WE, et al. **Nucleic Acids Res** 1987 Jun 11; 15(11):4689

The sequence of the maize rps19 locus and of the inverted repeat/unique region junctions. McLaughlin WE, et al. **Nucleic Acids Res** 1987 May 11;15(9):3932

The sequence of the first exon and part of the intron of the maize plastid encoded rpl 16 locus. McLaughlin WE, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5896

Nucleotide sequence of the Euglena gracilis chloroplast gene for ribosomal protein L20. Manzara T, et al. **Nucleic Acids Res** 1987 May 11;15(9):3927

Sequence and regulatory responses of a ribosomal protein gene from the fission yeast Schizosaccharomyces pombe. Nischt R, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1477–92

Nucleotide sequence of the gene for ribosomal protein S11 in pea chloroplast DNA. Purton S, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1873

Structural analysis of the Drosophila rpA1 gene, a member of the eucaryotic 'A' type ribosomal protein family. Qian S, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):987–1003

Transcription analysis of the maize chloroplast gene for the ribosomal protein S4. Russell D, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1853–67

Translational regulation of the L11 ribosomal protein operon of Escherichia coli: mutations that define the target site for repression by L1. Thomas MS, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3085–96

Complete sequence of 'divided' rps12 (r-protein S12) and rps7 (r-protein S7) gene in soybean chloroplast DNA. von Allmen JM, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2387

Analysis of upstream activation sites of yeast ribosomal protein genes. Woudt LP, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6037–48

Properties of a mouse ribosomal protein promoter. Dudov KP, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8545–9

Autogenous control of the S10 ribosomal protein operon of Escherichia coli: genetic dissection of transcriptional and posttranscriptional regulation. Freedman LP, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6516–20

Regulation of protein synthesis by phosphorylation of ribosomal protein S6 and aminoacyl-tRNA synthetases. Traugh JA, et al. **Prog Nucleic Acid Res Mol Biol** 1986; 33:195–230 (183 ref.)

Three functional ribosomal protein genes are unlinked in mouse genome. Wiedemann LM, et al. **Somatic Cell Mol Genet** 1987 Jan;13(1):77–80

[Transcription of ribosomal protein genes rplKAJL and RNA-polymerase genes rpoBC in Escherichia coli cells: metabolic regulation of attenuation and the effect of rifampicin] Kliachko EV, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1337–43 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lupus anti-ribosomal P peptide antibodies show limited heterogeneity and are predominantly of the IgG1 and IgG2 subclasses. Bonfa E, et al. **Clin Immunol Immunopathol** 1987 Oct;45(1):129–38

Two monoclonal antibodies against Escherichia coli ribosomal protein L2 distinguish different locations for their respective epitopes in intact ribosomes. Nag B, et al. **J Biol Chem** 1986 Oct 25;261(30):13892–7

Association between lupus psychosis and anti-ribosomal P protein antibodies. Bonfa E, et al. **N Engl J Med** 1987 Jul 30;317(5):265–71

Identification and chemical synthesis of a ribosomal protein antigenic determinant in systemic lupus erythematosus. Elkon K, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7419–23

[Studies of the immunological protection of a ribosomal extract isolated from Leptospira] Xu LL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):14–7 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

Preparative ion-exchange high-performance liquid chromatography of bacterial ribosomal proteins. Capel M, et al. **Anal Biochem** 1986 Oct;158(1):179–88

Application of high-performance liquid chromatography to the purification and characterization of ribosomal protein L3 from trichodermin-resistant yeast mutants. Threadgill GJ, et al. **Biochem J** 1986 Jul 15;237(2):421–6

Isolation and identification of two protein-protein crosslinks within the two subunits of Bacillus stearothermophilus ribosomes. Brockmöller J, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):925–35

Separation of cytoplasmic ribosomal proteins of Microsporum canis. Mandiyan V, et al. **Can J Microbiol** 1987 Apr;33(4):339–43

METABOLISM

The phosphorylation of ribosomal protein S6 by protein kinases from cells infected with pseudorabies virus. Katan M, et al. **Biochem J** 1986 Oct 1;239(1):205–11

Reconstitution of Escherichia coli ribosomes containing puromycin-modified S14: functional effects of the photoaffinity labeling of a protein essential for tRNA binding. Kerlavage AR, et al. **Biochemistry** 1986 Dec 2; 25(24):8002–10

In vitro synthesis of 16S ribosomal RNA containing single base changes and assembly into a functional 30S ribosome. Krzyzosiak W, et al. **Biochemistry** 1987 Apr 21; 26(8):2353–64

Imino proton exchange in the 5S RNA of Escherichia coli and its complex with protein L25 at 490 MHz. Leontis NB, et al. **Biochemistry** 1986 Sep 23;25(19):5736–44

Monoclonal antibodies to epitopes in both C-terminal and N-terminal domains of Escherichia coli ribosomal protein L7/L12 inhibit elongation factor binding but not peptidyl transferase activity. Nag B, et al. **Biochemistry** 1987 Jan 27;26(2):461–5

Reaction of some macrolide antibiotics with the ribosome. Labeling of the binding site components. Tejedor F, et al. **Biochemistry** 1986 Nov 18;25(23):7725–31

Escherichia coli ribosomal protein S1 does not protect the 49-nucleotide 3' terminal cloacin fragment of 16 S rRNA from nuclease S1. Wickstrom E. **Biochim Biophys Acta** 1986 Dec 18;868(4):265–9

Construction and functional analysis of ribosomal 5S RNA from Escherichia coli with single base changes in the ribosomal protein binding sites. Göringer HU, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):769–80

Protein synthesis, ribosomal protein S6 phosphorylation in vitro and the effects of amiloride: SDS gel electrophoresis studies in the Yoshida ascites tumor (AH 130) grown in vivo. Comolli R, et al. **Cell Biol Int Rep** 1986 Oct; 10(10):821–31

Kinetic behavior of 30S rRNA intermediate labeled in developing embryonic cells of Xenopus laevis. Shiokawa K, et al. **Cell Struct Funct** 1987 Jun;12(3):287–94

Phosphorylation of ribosomal protein S6 during lens cell differentiation: correlation with translational efficiency. Vu ND, et al. **Curr Eye Res** 1987 May;6(5):703–8

Ribosomal protein phosphorylation in vivo and in vitro by vaccinia virus. Buendia B, et al. **Eur J Biochem** 1987 Jan 2;162(1):95–103

Induction, partial purification and characterization of a hamster fibroblast protein kinase activity that phosphorylates ribosomal protein S6. Jakubowicz T, et al. **Eur J Biochem** 1987 Apr 1;164(1):83–8

Starvation-induced alterations of ribosomal protein phosphorylation in Bombyx mori L. Evidence for different phosphorylation kinetics in free and membrane-bound ribosomes. Madjar JJ, et al. **Eur J Biochem** 1987 Mar 16; 163(3):577–82

Protein synthesis in yeast Saccharomyces cerevisiae. Purification of Co-eIF-2A and 'mRNA-binding factor(s)' and studies of their roles in Met-tRNAf.40S.mRNA complex formation. Nasrin N, et al. **Eur J Biochem** 1986 Nov 17;161(1):1–6

Estrogen stimulates growth of mammary tumor cells ZR-75 without activation of S6 kinase and S6 phosphorylation. Difference from epidermal growth factor and alpha-transforming growth-factor-induced proliferation. Novak-Hofer I, et al. **Eur J Biochem** 1987 Apr 15; 164(2):445–51

Phosphorylation of a 40S ribosomal subunit protein in Tetrahymena. Lack of correlation with cellular growth and ribosome stability. Sripati CE, et al. **Eur J Biochem** 1987 Feb 2;162(3):669–74

Regulation of ribosomal protein S6 phosphorylation in heat-shocked HeLa cells. Tas PW, et al. **Eur J Biochem** 1987 Mar 16;163(3):553–9

Heat-shock-induced changes in the phosphorylation of ribosomal and ribosome-associated proteins in the filamentous fungus Achlya ambisexualis. Pekkala D, et al. **Exp Cell Res** 1987 Feb;168(2):325–37

Counteraction by 20-hydroxyecdysone of the effect of juvenile hormone on phosphorylation of ribosomal protein S6. Itoh K, et al. **FEBS Lett** 1987 Mar 9;213(1):85–8

Studies on interaction of 5 S RNA with ribosomal proteins. Kärgel HJ, et al. **FEBS Lett** 1987 Aug 10;220(1):126–8

Turnover of ribosomal proteins in regenerating rat liver after partial hepatectomy. Nikolov EN, et al. **Int J Biochem** 1987;19(2):159–63

Identification of 30-kDa fat body protein of Sarcophaga peregrina larvae selectively phosphorylated in the presence of 20-hydroxyecdysone as ribosomal protein S6. Itoh K, et al. **J Biochem (Tokyo)** 1986 Aug;100(2):493–8

An insulin-stimulated ribosomal protein S6 kinase in 3T3-L1 cells. Cobb MH. **J Biol Chem** 1986 Oct 5;261(28):12994–9

Interleukin 2 and diacylglycerol stimulate phosphorylation of 40 S ribosomal S6 protein. Correlation with increased protein synthesis and S6 kinase activation. Evans SW, et al. **J Biol Chem** 1987 Apr 5;262(10):4624–30

Incorporation of six additional proteins to complete the assembly map of the 50 S subunit from Escherichia coli ribosomes. Herold M, et al. **J Biol Chem** 1987 Jun 25; 262(18):8826–33

Probing ribosome function and the location of Escherichia coli ribosomal protein L5 with a monoclonal antibody. Nag B, et al. **J Biol Chem** 1987 Jul 15;262(20):9681–7

Phosphorylation of ribosomal protein S6 by cAMP-dependent protein kinase and mitogen-stimulated S6 kinase differentially alters translation of globin mRNA. Palen E, et al. **J Biol Chem** 1987 Mar 15;262(8):3518–23

A role for proteins S3 and S14 in the 30 S ribosomal subunit. Ramakrishnan V, et al. **J Biol Chem** 1986 Nov 15; 261(32):15049–52

Effect of essential amino acids on the phosphorylation of a 40S ribosomal protein and protein synthesis in Acanthamoeba castellanii. Jantzen H, et al. **J Cell Physiol** 1987 Mar;130(3):444–52

Localization of the binding site for protein S4 on 16 S ribosomal RNA by chemical and enzymatic probing and primer extension. Stern S, et al. **J Mol Biol** 1986 Nov 5; 192(1):101–10

Failure in S6 protein phosphorylation by serum stimulation of senescent human diploid fibroblasts, TIG-1. Kihara F, et al. **Mech Ageing Dev** 1986 Nov 28;37(1):27–40

Phosphorylation of the Saccharomyces cerevisiae equivalent of ribosomal protein S6 has no detectable effect on growth. Johnson SP, et al. **Mol Cell Biol** 1987 Apr;7(4):1338–45

Protein binding sites on Escherichia coli 16S RNA; RNA regions that are protected by proteins S7, S14 and S19 in the presence or absence of protein S9. Wiener L, et al. **Nucleic Acids Res** 1987 May 11;15(9):3653–70

[Effect of the concentration ratio of bi- and monovalent ions on the functional activity of 30S ribosome subunits of Escherichia coli] Zhuchenko OP, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):266–74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Nonspecific inhibition of Escherichia coli ornithine decarboxylase by various ribosomal proteins: detection of a new ribosomal protein possessing strong antizyme activity. Kashiwagi K, et al. **Biochim Biophys Acta** 1987 Jan 30;911(2):180–90

Reconstruction of peptidyltransferase activity on 50S and 70S ribosomal particles by peptide fragments of protein L16. Baxter RM, et al. **Eur J Biochem** 1987 Mar 16;163(3):473–9

PHYSIOLOGY

Role of acidic phosphoproteins in the partial reconstitution of the active 60 S ribosomal subunit. Lavergne JP, et al. **FEBS Lett** 1987 May 25;216(1):83–8

RIBOSOMES

see related
RNA, RIBOSOMAL

Translocation makes the ribosome less compact. Spirin AS, et al. **J Mol Biol** 1987 Mar 5;194(1):119–26

ANALYSIS

The interpretation of ribosome determinations to assess protein synthesis in human skeletal muscle. Wernerman J, et al. **Infusionsther Klin Ernahr** 1986 Aug;13(4):162–5 (27 ref.)

Two monoclonal antibodies against Escherichia coli ribosomal protein L2 distinguish different locations for their respective epitopes in intact ribosomes. Nag B, et al. **J Biol Chem** 1986 Oct 25;261(30):13892–7

Interconversion of active and inactive 30 S ribosomal subunits is accompanied by a conformational change in the decoding region of 16 S rRNA. Moazed D, et al. **J Mol Biol** 1986 Oct 5;191(3):483–93

Characterization of single crystals of the large ribosomal particles from a mutant of Bacillus stearothermophilus. Yonath A, et al. **J Mol Biol** 1986 Nov 5;192(1):161–2

Examination of protein sequence homologies: III. Ribosomal protein YS25 from Saccharomyces cerevisiae and its counterparts from Schizosaccharomyces pombe, rat liver, and Escherichia coli. Otaka E, et al. **J Mol Evol** 1986; 23(4):337–42

Effect of heat shock on ribosome structure: appearance of a new ribosome-associated protein. McMullin TW, et al. **Mol Cell Biol** 1986 Jul;6(7):2527–35

[Study of the surface of Escherichia coli ribosomes and ribosomal particles by the tritium bombardment method] Iusupov MM, et al. **Biokhimiia** 1986 Nov;51(11):1858–67 (Eng. Abstr.) **(Rus)**

[Measurement of the distance between the 3'- and 5'-ends of ribosome-bound template polynucleotide by using the singlet-singlet energy transfer method] Bakin AB, et al. **Dokl Akad Nauk SSSR** 1987;294(4):988–91 **(Rus)**

[Co-localization of ribosomes and elongation factor 2 in the cytoplasm of mouse embryonal fibroblasts] Rutkevich NM, et al. **Dokl Akad Nauk SSSR** 1986;289(5):1237–40 **(Rus)**

DRUG EFFECTS

Reduced turnover of the elongation factor EF-1 X ribosome complex after treatment with the protein synthesis inhibitor II from barley seeds. Nilsson L, et al. **Biochim Biophys Acta** 1986 Oct 16;868(1):62–70

Interaction of alpha-sarcin and gelonin with cibacron blue. Sperti S, et al. **Biosci Rep** 1986 Oct;6(10):901–8

Modifications of 60 S ribosomal subunits induced by the ricin A chain. Paleologue A, et al. **FEBS Lett** 1986 Nov 24; 208(2):373–7

Cloning in Saccharomyces cerevisiae of a cycloheximide resistance gene from the Candida maltosa genome which modifies ribosomes. Takagi M, et al. **J Bacteriol** 1986 Oct; 168(1):417–9

Autofluorescence and ageing: changes in ribosome accuracy and lysosome [corrected] function [published erratum appears in Mech Ageing Dev 1986 Nov 28;37(1):101] Buchanan JH, et al. **Mech Ageing Dev** 1986 Nov 14; 36(3):259–67

The role of ribosomes in the sensitivity of mycobacteria to tuberactinomycin. Yamada T. **Microbiol Immunol** 1987; 31(2):179–81

Closing in on ricin action [news] Olsnes S. **Nature** 1987 Aug 6–12;328(6130):474–5

23S ribosomal RNA mutations in halobacteria conferring resistance to the anti-80S ribosome targeted antibiotic anisomycin. Hummel H, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2431–43

Mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. Endo Y, et al. **Nucleic Acids Symp Ser** 1986;(17):187–90

ENZYMOLOGY

Studies on the catalytic rate constant of ribosomal peptidyltransferase. Synetos D, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):275–85

Peptidyl transferase centres of rat and yeast ribosomes. Different response to modification of protein amino groups. González PJ, et al. **Comp Biochem Physiol [B]** 1986; 85(4):895–8

Reconstruction of peptidyltransferase activity on 50S and 70S ribosomal particles by peptide fragments of protein L16. Baxter RM, et al. **Eur J Biochem** 1987 Mar 16;163(3):473–9

Inhibition of ribosomal peptidyltransferase by chloramphenicol. Kinetic studies. Drainas D, et al. **Eur J Biochem** 1987 Apr 1;164(1):53–8

The peptidyltransferase centre of the Escherichia coli ribosome. The histidine of protein L16 affects the reconstitution and control of the active centre but is not essential for release-factor-mediated peptidyl-tRNA hydrolysis and peptide bond formation. Tate WP, et al. **Eur J Biochem** 1987 Jun 1;165(2):403–8

IMMUNOLOGY

Immunotherapy with standard bacterial and bacterial ribosomal antigens in childhood bronchial asthma. Sánchez Palacios A, et al. **Allergol Immunopathol (Madr)** 1986 Sep-Oct;14(5):383–91

Characterization of immune response to oral administration of Streptococcus sobrinus ribosomal preparations in liposomes. Gregory RL, et al. **Infect Immun** 1986 Dec; 54(3):780–6

[The significance of ribosome particle immunochemistry in current diagnostic and therapeutic methods] Lopaczyński W. **Pol Tyg Lek** 1986 Aug 11;41(32):1012–5 **(Pol)**

[Delayed-type hypersensitivity in mice immunized with ribosomal vaccines against Shigella sonnei] Belkin ZP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec;(12):56–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Faster ribosome synthesis induced by elevated aortic pressure in rat heart. Chua BH, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):C323–7

Polyamine binding sites on Escherichia coli ribosomes. Kakegawa T, et al. **Arch Biochem Biophys** 1986 Dec; 251(2):413–20

Photosystem I reaction center polypeptides of spinach are synthesized on thylakoid-bound ribosomes. Margulies MM, et al. **Arch Biochem Biophys** 1987 May 1;254(2):454–61

tRNA binding capacities of ribosomal subunits from the archaebacterium Halobacterium halobium. Saruyama H, et al. **Biochem Int** 1986 Dec;13(6):943–50

Bryodin, a ribosome-inactivating protein from the roots of Bryonia dioica L. (white bryony). Stirpe F, et al. **Biochem J** 1986 Dec 15;240(3):659–65

Ribosome protection by tRNA derivatives against inactivation by virginiamycin M: evidence for two types of interaction of tRNA with the donor site of peptidyl transferase. Chinali G, et al. **Biochemistry** 1987 Mar 24; 26(6):1592–7

Reconstitution of Escherichia coli ribosomes containing puromycin-modified S14: functional effects of the photoaffinity labeling of a protein essential for tRNA binding. Kerlavage AR, et al. **Biochemistry** 1986 Dec 2; 25(24):8002–10

Treatment of Chinese hamster ovary cells with the transcriptional inhibitor actinomycin D inhibits binding of messenger RNA to ribosomes. Kostura M, et al. **Biochemistry** 1986 Oct 21;25(21):6384–91

In vitro synthesis of 16S ribosomal RNA containing single base changes and assembly into a functional 30S ribosome. Krzyzosiak W, et al. **Biochemistry** 1987 Apr 21; 26(8):2353–64

Ribosome-catalyzed formation of an abnormal peptide analogue. Roesser JR, et al. **Biochemistry** 1986 Oct 21; 25(21):6361–5

Aminoacyl-tRNA-elongation factor Tu-ribosome interaction leading to hydrolysis of guanosine 5'-triphosphate. Takahashi K, et al. **Biochemistry** 1986 Dec 16;25(25):8330–6

Reaction of some macrolide antibiotics with the ribosome. Labeling of the binding site components. Tejedor F, et al. **Biochemistry** 1986 Nov 18;25(23):7725–31

Ribosome metabolism during the vitellogenic cycle of the mosquito, Aedes aegypti. Hotchkin PG, et al. **Biochim Biophys Acta** 1987 May 19;924(2):352–9

The ribosomal binding site for eukaryotic elongation factor EF-2 contains 5 S ribosomal RNA. Nygård O, et al. **Biochim Biophys Acta** 1987 Jan 28;908(1):46–53

Photolabeling of protein components in the pactamycin binding site of rat liver ribosomes. Synetos D, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):249–53

Interaction of Cibacron blue F3GA and polynucleotides with ricin A-chain, 60 S ribosomal subunit-inactivating protein. Watanabe K, et al. **Biochim Biophys Acta** 1987 Aug 5; 914(2):177–84

Construction and functional analysis of ribosomal 5S RNA from Escherichia coli with single base changes in the ribosomal protein binding sites. Göringer HU, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):769–80

Transfer RNA shields specific nucleotides in 16S ribosomal RNA from attack by chemical probes. Moazed D, et al. **Cell** 1986 Dec 26;47(6):985–94

The effect of pentachlorophenol and its metabolite tetrachlorohydroquinone on RNA, protein, and ribosome synthesis in Saccharomyces cells. Ehrlich W, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):7–12

Import of frog prepropeptide GLa into microsomes requires ATP but does not involve docking protein or ribosomes. Schlenstedt G, et al. **EMBO J** 1987 Mar;6(3):699–703

Substitution of uridine in vivo by the intrinsic photoactivable probe 4-thiouridine in Escherichia coli RNA. Its use for E. coli ribosome structural analysis. Favre A, et al. **Eur J Biochem** 1986 Nov 3;160(3):441–9

Tetracycline can inhibit tRNA binding to the ribosomal P site as well as to the A site. Geigenmüller U, et al. **Eur J Biochem** 1986 Dec 15;161(3):723–6

Analysis of the puromycin reaction. The ribosomal exclusion principle for AcPhe-tRNA binding re-examined. Geigenmüller U, et al. **Eur J Biochem** 1986 Dec 15; 161(3):715–21

Structural analysis of 5S rRNA, 5S rRNA-protein complexes and ribosomes employing RNase H and d(GTTCGG). Lorenz S, et al. **Eur J Biochem** 1987 Mar 2;163(2):239–46

Starvation-induced alterations of ribosomal protein phosphorylation in Bombyx mori L. Evidence for different phosphorylation kinetics in free and membrane-bound ribosomes. Madjar JJ, et al. **Eur J Biochem** 1987 Mar 16; 163(3):577–82

The mechanism of the protein-synthesis elongation cycle in eukaryotes. Effect of ricin on the ribosomal interaction with elongation factors. Nilsson L, et al. **Eur J Biochem** 1986 Nov 17;161(1):111–7

Heat-shock-induced changes in the phosphorylation of ribosomal and ribosome-associated proteins in the filamentous fungus Achlya ambisexualis. Pekkala D, et al. **Exp Cell Res** 1987 Feb;168(2):325–37

A 5 S rRNA-like secondary structure in the 7 SL RNA may define a ribosomal binding site of the signal recognition particle. Boehm S. **FEBS Lett** 1987 Feb 9;212(1):15–20

Nucleotide binding to elongation factor 2 inactivated by diphtheria toxin. Burns G, et al. **FEBS Lett** 1986 Nov 24; 208(2):217–20

Mechanism of translational initiation in prokaryotes. Evidence for a direct effect of IF2 on the activity of the 30 S ribosomal subunit. Canonaco MA, et al. **FEBS Lett** 1986 Oct 27;207(2):198–204

Competition between tetracycline and tRNA at both P and A sites of the ribosome of Escherichia coli. Epe B, et al. **FEBS Lett** 1987 Mar 23;213(2):443–7

The complete amino acid sequences of the 5 S rRNA binding proteins L5 and L18 from the moderate thermophile Bacillus stearothermophilus ribosome. Kimura J, et al. **FEBS Lett** 1987 Jan 1;210(1):85–90

Role of acidic phosphoproteins in the partial reconstitution of the active 60 S ribosomal subunit. Lavergne JP, et al. **FEBS Lett** 1987 May 25;216(1):83–8

Template-free ribosomal synthesis of polypeptides from aminoacyl-tRNA. Polyphenylalanine synthesis from phenylalanyl-tRNALys. Yusupova GZ, et al. **FEBS Lett** 1986 Sep 29;206(1):142–6

Physical and morphological characteristics of eucaryotic ribosomes and lipopolysaccharide complexes. Phillips M, et al. **Infect Immun** 1987 Sep;55(9):2047–51

Irreversible binding of pristinamycin IIA (streptogramin A) to ribosomes explains its "lasting damage" effectAumercier M, et al. **J Antibiot (Tokyo)** 1986 Sep;39(9):1322–8

Antagonistic interactions of macrolides and synergimycins on bacterial ribosomes. Di Giambattista M, et al. **J Antimicrob Chemother** 1986 Sep;18(3):307–15

Drug-free induction of a chloramphenicol acetyltransferase gene in Bacillus subtilis by stalling ribosomes in a regulatory leader. Duvall EJ, et al. **J Bacteriol** 1987 Sep; 169(9):4235–41

Nascent secretory polypeptides synthesized on Escherichia coli ribosomes are not translocated across mammalian endoplasmic reticulum. Ibrahimi I, et al. **J Bacteriol** 1987 Apr;169(4):1603–10

Kinetics of binding of macrolides, lincosamides, and synergimycins to ribosomes. Di Giambattista M, et al. **J Biol Chem** 1987 Jun 25;262(18):8591–7

The mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. The site and the characteristics of the modification in 28 S ribosomal RNA caused by the toxins. Endo Y, et al. **J Biol Chem** 1987 Apr 25; 262(12):5908–12

RNA N-glycosidase activity of ricin A-chain. Mechanism of action of the toxic lectin ricin on eukaryotic ribosomes. Endo Y, et al. **J Biol Chem** 1987 Jun 15;262(17):8128–30

tRNA binding sites on the subunits of Escherichia coli ribosomes. Gnirke A, et al. **J Biol Chem** 1986 Nov 5; 261(31):14506–14

Incorporation of six additional proteins to complete the assembly map of the 50 S subunit from Escherichia coli ribosomes. Herold M, et al. **J Biol Chem** 1987 Jun 25; 262(18):8826–33

Probing ribosome function and the location of Escherichia coli ribosomal protein L5 with a monoclonal antibody. Nag B, et al. **J Biol Chem** 1987 Jul 15;262(20):9681–7

Demonstration of erythromycin-dependent stalling of ribosomes on the ermC leader transcript. Narayanan CS, et al. **J Biol Chem** 1987 Feb 5;262(4):1766–71

A role for proteins S3 and S14 in the 30 S ribosomal subunit. Ramakrishnan V, et al. **J Biol Chem** 1986 Nov 15;

261(32):15049–52
Destabilization of messenger RNA/complementary DNA duplexes by the elongating 80 S ribosome. Shakin SH, et al. **J Biol Chem** 1986 Dec 5;261(34):16018–25
Protein topography of the 40 S ribosomal subunit from Saccharomyces cerevisiae as shown by chemical cross–linking. Yeh YC, et al. **J Biol Chem** 1986 Oct 25; 261(30):14148–53
Pre–steady–state kinetics of ribosomal translocation. Robertson JM, et al. **J Mol Biol** 1986 Nov 20;192(2):351–60
Mechanism of ribosomal translocation. Translocation limits the rate of Escherichia coli elongation factor G–promoted GTP hydrolysis. Robertson JM, et al. **J Mol Biol** 1986 Jun 20;189(4):653–62
Activation of nucleolar and extranucleolar RNA synthesis and changes in the ribosomal content of human embryos developing in vitro. Tesafik J, et al. **J Reprod Fertil** 1986 Nov;78(2):463–70
Modification of 40S ribosomal subunits from yeast with dimethylmaleic anhydride. Hernández F, et al. **Mol Biol Rep** 1986;11(3):137–41
The site–specific ribosomal insertion element type II of Bombyx mori (R2Bm) contains the coding sequence for a reverse transcriptase–like enzyme. Burke WD, et al. **Mol Cell Biol** 1987 Jun;7(6):2221–30
More than 150 nucleotides flanking the initiation codon contribute to the efficiency of the ribosomal binding site from bacteriophage T7 gene 1. Geisen RM, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4931–43
Two efficient ribosomal frameshifting events are required for synthesis of mouse mammary tumor virus gag–related polyproteins. Jacks T, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4298–302
Effect of premature termination of translation on mRNA stability depends on the site of ribosome release. Nilsson G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4890–4
Epygid: a new Soviet antioxidant promoted the selective inhibition of membrane–dependent protein synthesis in the brain. Kuznetsov DA, et al. **Toxicol Appl Pharmacol** 1986 Sep 30;85(3):342–5
[A method of rapid mixing and pulsed photo–affinity labeling for the study of the dynamics of ribosome functioning] Bochkarev DE, et al. **Dokl Akad Nauk SSSR** 1987 Jan–Feb; 292(1):241–5 **(Rus)**
[Photoaffinity modification of Escherichia coli ribosomes by fMet–tRNAf Met derivatives in the 70S initiation complex] Babkina GT, et al. **Mol Biol (Mosk)** 1987 Jan–Feb; 21(1):93–101 (Eng. Abstr.) **(Rus)**
[Effect of the concentration ratio of bi– and monovalent ions on the functional activity of 30S ribosome subunits of Escherichia coli] Zhuchenko OP, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):266–74 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Recognition of translational termination signals. Buckingham K, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):92–8
Mutations in the gene for EF–G reduce the requirement for 4.5S RNA in the growth of E. coli. Brown S. **Cell** 1987 Jun 19;49(6):825–33
Translational frameshifting: where will it stop? Craigen WJ, et al. **Cell** 1987 Jul 3;50(1):1–2
Expression of human pancreatic polypeptide precursors from a dicistronic mRNA in mammalian cells. Boel E, et al. **FEBS Lett** 1987 Jul 13;219(1):181–8
The role of translocation in ribosomal accuracy. Translocation rates for cognate and noncognate aminoacyl– and peptidyl–tRNAs on Escherichia coli ribosomes. Gast FU, et al. **J Biol Chem** 1987 Sep 5;262(25):11920–6
Specialized ribosome system: preferential translation of a single mRNA species by a subpopulation of mutated ribosomes in Escherichia coli. Hui A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4762–6

ULTRASTRUCTURE

Isolation of ribosomal subunits from an extremely halophilic archaebacterium Halobacterium halobium by hydrophobic interaction chromatography. Saruyama H. **Anal Biochem** 1986 Nov 15;159(1):12–6
Structural studies of halophilic proteins, ribosomes, and organelles of bacteria adapted to extreme salt concentrations. Eisenberg H, et al. **Annu Rev Biophys Biophys Chem** 1987;16:69–92 (91 ref.)
Assembly of the mitochondrial ribosomes in a temperature–conditional mutant of Saccharomyces cerevisiae defective in the synthesis of the var1 protein. Hibbs AR, et al. **Biochim Biophys Acta** 1987 Feb 27; 908(2):179–87
Isolation and identification of two protein–protein crosslinks within the two subunits of Bacillus stearothermophilus ribosomes. Brockmöller J, et al. **Biol Chem Hoppe Seyler** 1986 Sep;367(9):925–35
Evolutionary change in 5S rRNA secondary structure and a phylogenic tree of 352 5S rRNA species. Hori H, et al. **Biosystems** 1986;19(3):163–72
Active ribosomal cistrons and their primary transcripts located in the nucleolus. Ghosh S, et al. **Cell Biol Int Rep** 1987 Mar;11(3):205–10
Structure of ribosomal genes of mammalian cells in situ. Derenzini M, et al. **Chromosoma** 1987;95(1):63–70
Three–dimensional structure of the large ribosomal subunit from Escherichia coli. Radermacher M, et al. **EMBO J** 1987 Apr;6(4):1107–14
Partial reassembly of active 60S ribosomal subunits from rat liver following treatment with dimethylmaleic anhydride. Conquet F, et al. **Eur J Biochem** 1987 Feb 16;163(1):15–20
Aminoglycoside antibiotic treatment of human fibroblasts: intracellular accumulation, molecular changes and the loss of ribosomal accuracy. Buchanan JH, et al. **Eur J Cell Biol** 1987 Feb;43(1):141–7
Spatial redistribution of ribosomal chromatin in the fibrillar centres of human circulating lymphocytes after stimulation of transcription. Derenzini M, et al. **Exp Cell Res** 1987 May;170(1):31–41
The growth of ordered two–dimensional sheets of 70 S ribosomes from Bacillus stearothermophilus. Piefke J, et al. **FEBS Lett** 1986 Dec 1;209(1):104–6
Autoradiographic, ultrastructural and interferometric analyses of the temperature effect on the synthesis and migration of ribosomes in root meristem cells of Helianthus annuus L. relation to S phase initiation. Olszewska MJ, et al. **Folia Histochem Cytobiol** 1987;25(1):69–77
Formation of a functional ribosome–membrane junction during translocation requires the participation of a GTP–binding protein. Connolly T, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2253–61
Three–dimensional reconstruction from a single–exposure, random conical tilt series applied to the 50S ribosomal subunit of Escherichia coli. Radermacher M, et al. **J Microsc** 1987 May;146 (Pt 2):113–36
Negatively stained 50 S ribosomal subunits of Escherichia coli. Hoppe W, et al. **J Mol Biol** 1986 Nov 20; 192(2):291–322
Single crystals of large ribosomal particles from Halobacterium marismortui diffract to 6 A. Makowski I, et al. **J Mol Biol** 1987 Feb 20;193(4):819–22
Electron microscopic demonstration and isolation of ribosomes in mesosomes from Staphylococcus aureus. Nakasone N, et al. **Microbiol Immunol** 1987;31(1):35–44
Streptococcus mutans ribosomal preparations: purification and properties. Gregory RL. **Microbios** 1986;48(194):43–60
Approaches to a three–dimensional model of E. coli ribosome. Nagano K, et al. **Prog Biophys Mol Biol** 1986; 48(2):67–101 (115 ref.)
A tunnel in the large ribosomal subunit revealed by three–dimensional image reconstruction. Yonath A, et al. **Science** 1987 May 15;236(4803):813–6
Criteria for the comparison of electron microscopical 3D reconstructions of individual particles. Hoppe W, et al. **Ultramicroscopy** 1986;20(3):217–37
The ribosome–lamellar complex: is it a normal structure? [letter] Seiler MW, et al. **Ultrastruct Pathol** 1987; 11(4):479–80

RIBOSTAMYCIN see under **ANTIBIOTICS**

RIBS

Costochondritis: a morbid complication in a survivor of cardiopulmonary resuscitation. Samet JH, et al. **Am J Med** 1987 Aug;83(2):362–4
Costotransverse joint injection description of technique. Lau LS, et al. **Australas Radiol** 1987 Feb;31(1):47–9
Sternocostoclavicular hyperostosis (SCCHO) with palmoplantar pustulosis (PPP). Fallet GH, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):135–41
Usefulness of SPECT in evaluating osteosarcoma metastases to the lung. Kirk GA, et al. **Clin Nucl Med** 1987 May; 12(5):356–8
Benign histiocytoma (xanthoma) of the rib. Lee JY, et al. **Clin Nucl Med** 1986 Nov;11(11):769–70
Hydatid disease of lung causing rib erosion. Gupta SK, et al. **Indian J Chest Dis Allied Sci** 1986 Jul–Sep;28(3):160–2
Histologic analysis of costochondral and sternoclavicular grafts in the TMJ of the juvenile monkey. Daniels S, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):675–83
The supracostal approach for percutaneous nephrostolithotomy. Forsyth MJ, et al. **J Urol** 1987 Feb; 137(2):197–8
Costal cartilage sculpturing as an adjunct to augmentation mammaplasty. Spear SL, et al. **Plast Reconstr Surg** 1987 Jun;79(6):921–6
Perichondrial arthroplasty using fibrin glue and early mobilization. An experimental study. Widenfalk B, et al. **Scand J Plast Reconstr Surg** 1986;20(3):251–8
[Pleural involvement caused by contiguity or metastases in primary malignant bone tumors in children] Marchal AL, et al. **J Radiol** 1986 Apr;67(4):303–7 (Eng. Abstr.) **(Fre)**
[Lower costovertebral arthritis in rheumatic pelvispondylitis. Pseudourologic manifestation] Benhamou CL, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):203–7 (Eng. Abstr.) **(Fre)**
[Bone echinococcosis] Di Gesù G, et al. **Minerva Med** 1987 Jul 15;78(13):921–31 (Eng. Abstr.) **(Ita)**
[Effective radiation therapy of two cases of primary Ewing's sarcoma of the rib] Nakanishi K, et al. **Gan No Rinsho** 1987 Jun;33(7):834–40 (Eng. Abstr.) **(Jpn)**
[A case of giant–cell tumor of the rib origin] Sugawara M, et al. **Kyobu Geka** 1986 Sep;39(9):740–2 (Eng. Abstr.) **(Jpn)**
[Sternocostoclavicular hyperostosis: a report of nineteen cases with special reference to its etiology and treatment] Chigira M. **Nippon Seikeigeka Gakkai Zasshi** 1986 Aug; 60(8):941–50 (Eng. AStr.) **(Jpn)**
[Costal tumor in a young woman] Martín Peinador A, et al. **Rev Clin Esp** 1987 Feb;180(3):171–2 **(Spa)**

ABNORMALITIES

Autosomal dominant cerebro–costo–mandibular syndrome: ultrasonographic and clinical findings. Merlob P, et al. **Am J Med Genet** 1987 Jan;26(1):195–202
Difficulties in the prenatal diagnosis of Jarcho–Levin syndrome. Apuzzio JJ, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):916–8
Bone scintigraphy in a patient with cerebro–costo–mandibular syndrome. Feldman N, et al. **Clin Nucl Med** 1987 Jan;12(1):68–9
Subclavian artery aneurysm secondary to a cervical supernumerary rib in a child. Vaksmann G, et al. **Eur J Pediatr** 1987 Mar;146(2):209–10
Second trimester prenatal diagnosis of the Jarcho–Levin syndrome. Tolmie JL, et al. **Prenat Diagn** 1987 Feb; 7(2):129–34
The induction of supernumerary ribs in rodents: role of the maternal stress. Beyer PE, et al. **Teratogenesis Carcinog Mutagen** 1986;6(5):419–29
[Vascular complications of abnormalities of the first rib] Dumeige F, et al. **Chirurgie** 1986;112(7–8):584–90 (Eng. Abstr.) **(Fre)**
[Cerebro–costo–mandibular syndrome without cerebral involvement in a 4–year–old boy] Meinecke P, et al. **Monatsschr Kinderheilkd** 1987 Jan;135(1):54–8 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Biochemical anatomy of human bone: comparative study of compact and spongy bone in femur, rib and iliac crest. Mbuyi–Muamba JM, et al. **Acta Anat (Basel)** 1987; 128(3):184–7
[The morphology and innervation of the levator muscles of the ribs in the dog, cat, horse, and pig] Frewein J, et al. **Acta Anat (Basel)** 1987;129(2):131–5 (Eng. Abstr.) **(Ger)**
[Surface features of human ribs in different areas] Smol'kov IuA. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):5–13 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Congenital absence of the azygos vein: a cause for "aortic nipple" enlargement. Hatfield MK, et al. **AJR** 1987 Aug; 149(2):273–4
The intercostal artery in Kawasaki disease. A pathologic study of 17 autopsy cases. Masuda H, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1136–42

GROWTH & DEVELOPMENT

Cell fractions from rat rib growth cartilage. Morphological and X–ray microanalytical investigation. Wroblewski J, et al. **J Submicrosc Cytol** 1987 Apr;19(2):269–74

INJURIES

Infant ribs: generalized periosteal reaction resulting from vibrator chest physiotherapy. Wood BP. **Radiology** 1987 Mar;162(3):811–2
[Two cases of postoperative atelectasis cured by fixing fractured ribs] Terada Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):232–6 (Eng. Abstr.) **(Jpn)**
[Pathological restructuring of the 1st rib during physical overexertion in athletes] Greida BP. **Ortop Travmatol Protez** 1986 Sep;(9):43–4 **(Rus)**

METABOLISM

Subcellular location of IGF–I in chondrocytes from rat rib growth plate. Wroblewski J, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):37–43

PATHOLOGY

Aneurysmal bone cyst in a rib of a cat. Biller DS, et al. **J Am Vet Med Assoc** 1987 May 1;190(9):1193–5
Changes in chest wall structure and elasticity in elastase–induced emphysema. Thomas AJ, et al. **J Appl Physiol** 1986 Nov;61(5):1821–9
Sternocostoclavicular hyperostosis. Radiological and pathological study of a specimen with ununited clavicular fracture. Lagier R, et al. **Pathol Res Pract** 1986 Oct; 181(5):596–603
Sternocostoclavicular hyperostosis: rheumatologic, radiologic, and dermatologic characteristics. Resnik CS, et al. **South Med J** 1987 May;80(5):577–80 (20 ref.)
A simple method to estimate the rib hump in scoliosis. Pun WK, et al. **Spine** 1987 May;12(4):342–5
[Pathohistology of costal cartilage and immunomorphologic characteristics of collagen in funnel chest] Kuritsyn VM, et al. **Arkh Patol** 1987;49(1):20–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Rib cage versus abdominal displacement in rabbits during forced oscillations to 30 Hz. Boynton BR, et al. **J Appl Physiol** 1987 Jul;63(1):309–14
Geometry and respiratory displacement of human ribs. Wilson TA, et al. **J Appl Physiol** 1987 May;62(5):1872–7

PHYSIOPATHOLOGY

Mechanisms of paradoxical rib cage motion in patients with chronic obstructive pulmonary disease. Gilmartin JJ, et al. **Am Rev Respir Dis** 1986 Oct;134(4):683–7

RADIOGRAPHY

Sclerosis of a rib associated with a healed fracture of a contiguous thoracic vertebra. Sutro CJ, et al. **Bull Hosp Jt Dis Orthop Inst** 1987 Spring;47(1):67–71

The rib cage in normal and emphysematous subjects: a roentgenographic approach. Sharp JT, et al. **J Appl Physiol** 1986 Dec;61(6):2050–9

The rib deformity in adolescent idiopathic scoliosis. A prospective study to evaluate changes after Harrington distraction and posterior fusion. Weatherley CR, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):179–82

Computed tomography of rib hemangiomas. Ortega W, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):945–7

Scoliosis secondary to osteoblastoma of the rib. Wimpee MW, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):589–93

Pulmonary nodule in a 14-year-old four months following left thoracotomy. Markowitz RI. **J Thorac Imaging** 1986 Oct;1(4):57–8

Intraosseous rheumatoid nodule. Brantley SD, et al. **Pediatr Radiol** 1987;17(5):432–4

[Clinical x-ray and radionuclide diagnosis of tumors and tumor-like diseases of the ribs] Knysh IT, et al. **Ortop Travmatol Protez** 1986 Sep;(9):1–5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Rib artifact demonstrated on xenon-133 lung imaging. Burke TS, et al. **Clin Nucl Med** 1987 Feb;12(2):147

SURGERY

The failed operation for thoracic outlet syndrome: the difficulty of diagnosis and management. Urschel HC Jr, et al. **Ann Thorac Surg** 1986 Nov;42(5):523–8

Modified costotransversectomy in treatment of intractable costovertebral pain in ankylosing spondylitis [letter] Tsai HH, et al. **Br J Rheumatol** 1987 Feb;26(1):66–7

Emergency treatment for primary Ewing's sarcoma of the ribs. Murton MM, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):800–3

Anterior vascular rib pedicle graft and posterior instrumentation in tuberculous spondylitis. A case report. Louw JA. **S Afr Med J** 1987 Jun 20;71(12):784–5

Symptomatic fibrous dysplasia of the right first rib excised via a posterolateral thoracotomy. Payne-James JJ, et al. **Thorax** 1986 Jul;41(7):575–6

[Personal experience with resection of the first rib for the upper thoracic outlet syndrome using the transaxillary approach] Zatočil Z, et al. **Cas Lek Cesk** 1987 May 22; 126(21):641–3 (Eng. Abstr.) **(Cze)**

[Single-stage total excision by transverse arthropediculo-costectomy of dorsal intraspinal hourglass tumors developing intrathoracically] Lesoin F, et al. **J Chir (Paris)** 1986 Aug–Sep;123(8–9):504–7 (Eng. Abstr.) **(Fre)**

[Technic and results of rib hump resection in thoracic scoliosis] Heisel J, et al. **Z Orthop** 1986 Sep–Oct; 124(5):606–12 (Eng. Abstr.) **(Ger)**

[Thoraco-scapular arthrodesis in facioscapulohumeral dystrophy] Toni A, et al. **Chir Organi Mov** 1986 Apr–Jun; 71(2):127–31 (Eng. Abstr.) **(Ita)**

[Surgical correction of pigeon breast—a consideration on how to avoid postoperative cardiac compression] Kasagi Y, et al. **Kyobu Geka** 1987 Feb;40(3):213–7 (Eng. Abstr.) **(Jpn)**

[Thoracostomy in the treatment of pleural empyema] Lesnitskiĭ LS, et al. **Vestn Khir** 1987 Mar;138(3):19–22 **(Rus)**

TRANSPLANTATION

Tibial reconstruction with free rib latissimus dorsi osteomusculocutaneous flap. Maruyama Y, et al. **Acta Chir Plast** 1987;29(1):21–6

Results after mandibular ridge augmentation with laminated split ribs, pedicled anterior bone lid and simultaneous sulcoplasties. Preliminary report. Farmand M, et al. **J Craniomaxillofac Surg** 1987 Jun;15(3):141–53

Autogenous transplantation of rib cartilage, preserved in glycerol, to the malar process of rats: a histological study. Gabrielli MF, et al. **J Nihon Univ Sch Dent** 1986 Jun; 28(2):87–99

Free and microvascular bone grafting in the irradiated dog mandible. Altobelli DE, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):27–33

Rib regeneration area as an indicator of fusion area in adolescent idiopathic scoliosis. Schram RA, et al. **Spine** 1987 May;12(4):346–50

[Mandibular augmentation using laminated split ribs and pedicled alveolar ridge cover and simultaneous lingual and vestibular submucosal sulcoplasty. A combination method of ridge augmentation for the extremely atrophic mandible] Farmand M. **Schweiz Monatsschr Zahnmed** 1986 Oct; 96(10):1091–101 (Eng. Abstr.) **(Ger)**

[Span plasty and internal tracheal tube fixation in a case of tracheobronchomalacia] Yamaguchi Y, et al. **Kyobu Geka** 1987 Jan;40(1):69–71 (Eng. Abstr.) **(Jpn)**

RIBULOSE DIPHOSPHATE CARBOXYLASE see **RIBULOSEBIPHOSPHATE CARBOXYLASE**

RIBULOSEBIPHOSPHATE CARBOXYLASE

Directly observed 15N NMR spectra of uniformly enriched proteins. Smith GM, et al. **Biochemistry** 1987 Apr 21; 26(8):2202–7

Preliminary crystallographic study of a ribulose-1,5-bisphosphate carboxylase-oxygenase from Chromatium vinosum. Nakagawa H, et al. **J Mol Biol** 1986 Oct 5;191(3):577–8

Sliding-layer conformational change limited by the quaternary structure of plant RuBisCO. Chapman MS, et al. **Nature** 1987 Sep 24–30;329(6137):354–6

Ribulose bisphosphate carboxylase-oxygenase. **Philos Trans R Soc Lond [Biol]** 1986 Oct 14; 313(1162):305–469

Structural studies of Rubisco from tobacco. Chapman MS, et al. **Philos Trans R Soc Lond [Biol]** 1986 Oct 14; 313(1162):367–78

ANALYSIS

[Determination of the number of sulfhydryl residues of ribulose-1,5-diphosphate carboxylase purified from artichoke leaves] Miceli A, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):571–6 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Inhibition of ribulose bisphosphate carboxylase assembly by antibody to a binding protein. Cannon S, et al. **J Cell Biol** 1986 Oct;103(4):1327–35

[In vitro synthesis and identification of a large subunit of Euglena ribulose bisphosphate carboxylase and polypeptide with a molecular weight of 60 kD] Pastushenkova IA, et al. **Dokl Akad Nauk SSSR** 1987;295(3):756–8 **(Rus)**

GENETICS

Essentiality of Glu-48 of ribulose bisphosphate carboxylase/oxygenase as demonstrated by site-directed mutagenesis. Hartman FC, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1158–63

Synthesis of the small subunit of ribulose-bisphosphate carboxylase from genes cloned into plasmids containing the SP6 promoter. Anderson S, et al. **Biochem J** 1986 Dec 15;240(3):709–15

Site-directed mutagenesis of the small subunit of ribulose-1,5-bisphosphate carboxylase/oxygenase from Anacystis nidulans. Voordouw G, et al. **Eur J Biochem** 1987 Mar 16;163(3):591–8

Isolation of the Rhodopseudomonas sphaeroides form I ribulose 1,5-bisphosphate carboxylase/oxygenase large and small subunit genes and expression of the active hexadecameric enzyme in Escherichia coli. Gibson JL, et al. **Gene** 1986;44(2–3):271–8

Nucleotide sequence and molecular evolution of two tomato genes encoding the small subunit of ribulose-1,5-bisphosphate carboxylase. McKnight TD, et al. **Gene** 1986;48(1):23–32

Complete nucleotide sequence and mRNA-mapping of the large subunit gene of ribulose-1,5-bisphosphate carboxylase/oxygenase (Rubisco) from Chlamydomonas moewusii. Yang RC, et al. **Gene** 1986;50(1–3):259–70

Genetic and physical mapping and expression in Pseudomonas aeruginosa of the chromosomally encoded ribulose bisphosphate carboxylase genes of Alcaligenes eutrophus. Andersen K, et al. **J Bacteriol** 1987 May; 169(5):1997–2004

Organization of phosphoribulokinase and ribulose bisphosphate carboxylase/oxygenase genes in Rhodopseudomonas (Rhodobacter) sphaeroides. Gibson JL, et al. **J Bacteriol** 1987 Aug;169(8):3685–90

A genetic locus essential for formate-dependent growth of Bradyrhizobium japonicum. McClung CR, et al. **J Bacteriol** 1987 Jul;169(7):3260–7

Regulation of genes encoding the large subunit of ribulose-1,5-bisphosphate carboxylase and the photosystem II polypeptides D-1 and D-2 during the cell cycle of Chlamydomonas reinhardtii. Herrin DL, et al. **J Cell Biol** 1986 Nov;103(5):1837–45

Sequence, evolution and differential expression of the two genes encoding variant small subunits of ribulose bisphosphate carboxylase/oxygenase in Chlamydomonas reinhardtii. Goldschmidt-Clermont M, et al. **J Mol Biol** 1986 Oct 5;191(3):421–32

Translational regulation of light-induced ribulose 1,5-bisphosphate carboxylase gene expression in amaranth. Berry JO, et al. **Mol Cell Biol** 1986 Jul;6(7):2347–53

Sequence of a ribulose 1,5-bisphosphate carboxylase/oxygenase cDNA from the C4 dicot Flaveria trinervia. Adams CA, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1875

Sequence of the rbcL gene for the large subunit of ribulose bisphosphate carboxylase-oxygenase from petunia [published erratum appears in Nucleic Acid Res 1987 Jan 26;15(2):868] Aldrich J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9534

Sequence of the rbcL gene for the large subunit of ribulose bisphosphate carboxylase-oxygenase from alfalfa [published erratum appears in Nucleic Acids Res 1987 Jan 26;15(2):868] Aldrich J, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9535

Confirmation of the relative expression levels of the Petunia (Mitchell) rbcS genes. Dean C, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4655–68

Nucleotide sequence of a cDNA encoding rbcS from the desert plant Mesembryanthemum crystallinum. DeRocher EJ, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6301

Nucleotide sequence of a gene encoding corn ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit (rbcs). Lebrun M, et al. **Nucleic Acids Res** 1987 May 26;15(10):4360

Rice chloroplast DNA molecules are heterogeneous as revealed by DNA sequences of a cluster of genes. Moon E, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):611–30

5'proximal sequences of a soybean ribulose-1,5-bisphosphate carboxylase small subunit gene direct light and phytochrome controlled transcription. Shirley BW, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6501–14

Nucleotide sequence of a cDNA encoding the ribulose-1,5-bisphosphate carboxylase/oxygenase from sunflower (Helianthus annuus). Waksman G, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1328

Interaction, functional relations and evolution of large and small subunits in Rubisco from prokaryota and eukaryota. McFadden BA, et al. **Philos Trans R Soc Lond [Biol]** 1986 Oct 14;313(1162):347–58

Uptake and expression of bacterial and cyanobacterial genes by isolated cucumber etioplasts. Daniell H, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6349–53

Protein import into chloroplasts requires a chloroplast ATPase. Pain D, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3288–92

[Function and gene expression of RuBisCO] Takabe T, et al. **Seikagaku** 1986 Mar;58(3):175–82 **(Jpn)**

IMMUNOLOGY

Tobacco mosaic virus coat protein and the large subunit of the host protein ribulose-1,5-biphosphate carboxylase share a common antigenic determinant. Dietzgen RG, et al. **Virology** 1986 Nov;155(1):262–6

ISOLATION & PURIFICATION

The nature of L8 and L8S8 forms of ribulose bisphosphate carboxylase/oxygenase from Chromatium vinosum. Torres-Ruiz J, et al. **Arch Biochem Biophys** 1987 Apr; 254(1):63–8

[Separation of ribulose-1,5-diphosphate carboxylase subunits from artichoke leaves] Cardinali A, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):565–9 (Eng. Abstr.) **(Ita)**

METABOLISM

In vivo regulation of form I ribulose 1,5-bisphosphate carboxylase/oxygenase from Rhodopseudomonas sphaeroides. Jouanneau Y, et al. **Arch Biochem Biophys** 1987 Apr;254(1):290–303

Photoreductive path of carbon fixation in green plant photosynthesis. Reaction pathway of six-carbon ribulose 1,5-bisphosphate carboxylation adduct intermediate. Fong FK, et al. **Biochem Biophys Res Commun** 1987 Feb 13; 142(3):732–7

The association of ribulose-1,5-bisphosphate carboxylase with phosphoriboisomerase and phosphoribulokinase. Sainis JK, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):947–54

An upper limit to the active site concentration of ribulose bisphosphate carboxylase in chloroplasts [letter] Pickersgill RP. **Biochem J** 1986 May 15;236(1):311

Phosphorylation in vitro of the large subunit of the ribulose-1,5-bisphosphate carboxylase and of the glyceraldehyde-3-phosphate dehydrogenase. Guitton C, et al. **Eur J Biochem** 1987 Jul 1;166(1):249–54

Dissociation of the ribulosebisphosphate-carboxylase large-subunit binding protein into dissimilar subunits. Musgrove JE, et al. **Eur J Biochem** 1987 Mar 16; 163(3):529–34

Function of Lys-166 of Rhodospirillum rubrum ribulosebisphosphate carboxylase/oxygenase as examined by site-directed mutagenesis. Hartman FC, et al. **J Biol Chem** 1987 Mar 15;262(8):3496–501

RIBULOSEPHOSPHATES see under **PENTOSEPHOSPHATES**

RICE

Studies on the development of infant foods from plant protein sources. Part III. Preparation, processing and properties of various products developed. Khaleque A, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):696–710

The effects of fruit juices and fruits on the absorption of iron from a rice meal. Ballot D, et al. **Br J Nutr** 1987 May; 57(3):331–43

Rice-bran treatment for calcium stone formers with idiopathic hypercalciuria. Ebisuno S, et al. **Br J Urol** 1986 Dec;58(6):592–5

A review of basic concepts in rice-drying research. Mossman AP. **CRC Crit Rev Food Sci Nutr** 1986;25(1):49–71 (83 ref.)

Hypocholesterolemic activity of unsaponifiable matter of rice

bran oil. Sharma RD, et al. **Indian J Med Res** 1987 Mar; 85:278–81

Home-made rice water salt solution for oral rehydration therapy—a field trial. Ismail R, et al. **J Diarrhoeal Dis Res** 1986 Mar;4(1):20–5

A controlled clinical trial of rice and glycine-containing oral rehydration solution in acute diarrhoea in children. Patra FC, et al. **J Diarrhoeal Dis Res** 1986 Mar;4(1):16–9

Effects of rice fiber on fecal weight, apparent digestibility of energy, nitrogen and fat, and degradation of neutral detergent fiber in young men. Miyoshi H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Dec;32(6):581–9

A new mycotoxin from Aspergillus candidus Link isolated from rough rice. Chattopadhyay SK, et al. **Mycopathologia** 1987 Apr;98(1):21–6

Comparison of bentiromide test and rice flour breath hydrogen test in the detection of exocrine pancreatic insufficiency. Patel VP, et al. **Pancreas** 1986;1(2):172–5

Nutritional qualities of stabilized and raw rice bran for chicks. Sayre RN, et al. **Poult Sci** 1987 Mar;66(3):493–9

[Evaluation of the effect of enriching rice protein with lysine and egg protein] Nam OI, et al. **Vopr Pitan** 1987 Mar-Apr; (2):60–3 (Eng. Abstr.) **(Rus)**

[A new alternative for estimating recommendations of protein intake in humans. Protein requirements of an adult population fed with a diet based on rice and beans] Vargas E, et al. **Arch Latinoam Nutr** 1985 Sep;35(3):394–405 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The ulcerogenic and protective action of rice and rice fractions in experimental peptic ulceration. Jayaraj AP, et al. **Clin Sci** 1987 Apr;72(4):463–6

Diet-induced pancreatitis in China [editorial] Chen MC. **J Clin Gastroenterol** 1986 Dec;8(6):611–2

Hormonal status of gastric cancer. I. Effect of rice and salty rice diets on the constitution of urinary steroids in mice. Kodama M, et al. **Nutr Cancer** 1987;9(4):237–49

ANALYSIS

Immunoblotting detection of lectins in gluten and white rice flour. Kolberg J, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):717–23

Isolation and liquid chromatographic determination of the cyclic peptide mycotoxin cyclosporin A from rice. Edwards JV, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb; 70(1):126–9

Variation in rice associated with kernel thickness. II. Physical and physicochemical properties. Wadsworth JI. **J Clin Pharm Ther** 1987 Feb;12(1):49–64

[Isoprothiolane residue in unpolished rice grain imported from South Korea] Ishizaka T, et al. **Eisei Shikenjo Hokoku** 1986;(104):151–4 (Eng. Abstr.) **(Jpn)**

GENETICS

Nucleotide sequence of the rice cytochrome f gene and the presence of sequence variation near this gene. Wu N, et al. **Gene** 1986;50(1–3):271–8

In vitro segregation of marker genes in anther cultures of rice. Reddy VS, et al. **In Vitro Cell Dev Biol** 1987 Jul; 23(7):515–8

Sequence of the chloroplast-encoded atpB–atpE–trnM gene clusters from rice. Moon E, et al. **Nucleic Acids Res** 1987 May 26;15(10):4358–9

A new rice repetitive DNA shows sequence homology to both 5S RNA and tRNA. Wu TY, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):5913–23

METABOLISM

Effect of sugar mill effluent on oxygen uptake and carbon dioxide output of rice (Oryza sativa L.c.v. Mushoori) seedlings. Behera BK, et al. **Environ Res** 1987 Jun; 43(1):135–41

Transfer of gaseous iodine to rice plants. Nakamura Y, et al. **J Radiat Res (Tokyo)** 1986 Jun;27(2):171–82

[Role of rice phytoalexin on plant host–parasite interactions] Akatsuka T. **Seikagaku** 1986 Mar;58(3):187–9 (12 ref.) **(Jpn)**

POISONING

PCB and PCQ concentrations in subcutaneous tissue from patients with PCB poisoning (Yusho). Ohgami T, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):25–8

TOXICITY

[Carcinogenic and promoting effects of fish juice, preserved rice and salted dry fish on the forestomach epithelium of mice and esophageal epithelium of rats] Lin PZ, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):332–5 (Eng. Abstr.) **(Chi)**

RICIN

see related

RICINUS

Effect of physical environment on the conformation of ricin. Influence of low pH. Frénoy JP. **Biochem J** 1986 Nov 15; 240(1):221–6

An ineffective monoclonal antibody–ricin A chain conjugate is converted to a tumouricidal agent in vivo by subsequent systemic administration of ricin B chain. Eccles SA, et al. **Cancer Immunol Immunother** 1987;24(1):37–41

The effect of pH on the conformation and stability of the structure of plant toxin-ricin. Bushueva TL, et al. **FEBS Lett** 1987 May 4;215(1):155–9

The three-dimensional structure of ricin at 2.8 A. Montfort W, et al. **J Biol Chem** 1987 Apr 15;262(11):5398–403

Crystallization of ricin A chain obtained from a cloned gene expressed in Escherichia coli. Robertus JD, et al. **J Biol Chem** 1987 Jan 5;262(1):19–20

Structure and evolution of ricin B chain. Rutenber E, et al. **Nature** 1987 Apr 9–15;326(6113):624–6

[Effect of pH on the conformation and stability of the plant toxin ricin] Bushueva TL, et al. **Mol Biol (Mosk)** 1987 Mar-Apr;21(2):414–21 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Temporary inhibition of Moloney-murine sarcoma virus (M-MSV) induced-tumours by adoptive transfer of ricin-treated T-lymphocytes. Cerundolo V, et al. **Br J Cancer** 1987 Apr;55(4):413–9

Comparison of multiple anti-CEA immunotoxins active against human adenocarcinoma cells. Levin LV, et al. **Cancer Immunol Immunother** 1987;24(3):202–6

Sensitivity and selectivity of ricin toxin A chain–monoclonal antibody 791T/36 conjugates against human tumor cell lines. Embleton MJ, et al. **Cancer Res** 1986 Nov; 46(11):5524–8

Selective killing of human bladder cancer cells by combined treatment with A and B chain ricin antibody conjugates. Thiesen HJ, et al. **Cancer Res** 1987 Jan 15;47(2):419–23

Combined immunochemotherapy of human solid tumors in nude mice. Weil-Hillman G, et al. **Cancer Res** 1987 Jan 15;47(2):579–85

The rabbit as an experimental model for regional chemotherapy. I. Intra-arterial hindlimb infusion. Davidson T, et al. **Lab Anim** 1986 Oct;20(4):343–6

The rabbit as an experimental model for regional chemotherapy. 2. Isolated perfusion of hindlimbs. Davidson T, et al. **Lab Anim** 1986 Oct;20(4):347–50

ANALYSIS

Purification and characterization of trichosanthin. Homology to the ricin A chain and implications as to mechanism of abortifacient activity. Maraganore JM, et al. **J Biol Chem** 1987 Aug 25;262(24):11628–33

Identification and quantification of ricin toxin in animal tissues using ELISA. Griffiths GD, et al. **J Forensic Sci Soc** 1986 Sep–Oct;26(5):349–58

BIOSYNTHESIS

Expression of ricin A chain in Escherichia coli. O'Hare M, et al. **FEBS Lett** 1987 May 25;216(1):73–8

GENETICS

The complete amino acid sequence of the B-chain of ricin E isolated from small-grain castor bean seeds. Ricin E is a gene recombination product of ricin D and Ricinus communis agglutinin. Araki T, et al. **Biochim Biophys Acta** 1987 Jan 30;911(2):191–200

Cloning and expression of recombinant, functional ricin B chain. Chang MS, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5640–4

IMMUNOLOGY

Immunotoxins to a human melanoma-associated antigen: comparison of gelonin with ricin and other A chain conjugates. Sivam G, et al. **Cancer Res** 1987 Jun 15; 47(12):3169–73

Monoclonal antibodies to purified ricin A-chain: production and properties. Leonard JE, et al. **Hybridoma** 1987 Apr; 6(2):135–49

Identification and characterization of a monoclonal antibody recognizing a galactose-binding domain of the toxin ricin. Colombatti M, et al. **J Immunol** 1987 May 15; 138(10):3339–44

ISOLATION & PURIFICATION

Purification of immunotoxins containing ricin A-chain and abrin A-chain using blue sepharose CL-6B. Knowles PP, et al. **Anal Biochem** 1987 Feb 1;160(2):440–3

Dye affinity chromatography of ricin subunits. Sperti S, et al. **Biosci Rep** 1986 Dec;6(12):1035–40

Studies on the antitumor lectins isolated from the seeds of Ricinus communis (castor bean). Lin JY, et al. **Toxicon** 1986;24(8):757–65

METABOLISM

In vivo depletion of mannose receptor bearing cells from rat liver by ricin A chain: effects on clearance of beta-glucuronidase. Simmons BM, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):849–54

Interaction of Cibacron blue F3GA and polynucleotides with ricin A-chain, 60 S ribosomal subunit-inactivating protein. Watanabe K, et al. **Biochim Biophys Acta** 1987 Aug 5; 914(2):177–84

Effect of chemical deglycosylation on the in vivo fate of ricin A-chain. Blakey DC, et al. **Cancer Drug Deliv** 1986 Summer;3(3):189–96

Delivery of internalized ricin from endosomes to cisternal Golgi elements is a discontinuous, temperature-sensitive process. van Deurs B, et al. **Exp Cell Res** 1987 Jul; 171(1):137–52

Receptor-mediated interaction of ricin with the lipid bilayer of ganglioside GM1-liposomes. Utsumi T, et al. **FEBS Lett** 1987 May 25;216(1):99–103

Enzymic removal of two oligosaccharide chains from ricin B-chain. Wawrzynczak EJ, et al. **FEBS Lett** 1986 Oct 27; 207(2):213–6

Identification of the tryptophan residue located at the low-affinity saccharide binding site of ricin D. Hatakeyama T, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):781–8

RNA N-glycosidase activity of ricin A-chain. Mechanism of action of the toxic lectin ricin on eukaryotic ribosomes. Endo Y, et al. **J Biol Chem** 1987 Jun 15;262(17):8128–30

Interaction of the plant toxin ricin with different life cycle stages of Schistosoma mansoni. Cushley W, et al. **Mol Biochem Parasitol** 1987 May;24(1):67–71

PHARMACODYNAMICS

Pathological study on mucosal changes in small intestine of rat by oral administration of ricin. I. Microscopical observation. Sekine I, et al. **Acta Pathol Jpn** 1986 Aug; 36(8):1205–12

Enzymic deglycosylation of ricin lowers its uptake by rat liver non-parenchymal cells. Skilleter DN, et al. **Arch Toxicol [Suppl]** 1987;11:257–60

Selective killing of normal and neoplastic human B cells with anti-CD19- and anti-CD22-ricin A chain immunotoxins. May RD, et al. **Cancer Drug Deliv** 1986 Fall;3(4):261–72

Ability of inhibitors of glycosylation and protein synthesis to sensitize cells to abrin, ricin, Shigella toxin, and Pseudomonas toxin. Sandvig K, et al. **Cancer Res** 1986 Dec; 46(12 Pt 1):6418–22

Interactions of lectins with normal, swainsonine-treated and ricin-resistant baby hamster kidney BHK cells. Foddy L, et al. **Carbohydr Res** 1986 Aug 15;151:293–304

Evaluation of ricin A-chain immunotoxins directed against human T cells. Press OW, et al. **Cell Immunol** 1986 Oct 1;102(1):10–20

Effect of ricin or ricin A-chain encapsulated in anti-carcinoembryonic antigen (CEA) antibody-bearing liposomes on CEA-producing tumor cells. Watanabe Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):740–7

The mechanism of the protein-synthesis elongation cycle in eukaryotes. Effect of ricin on the ribosomal interaction with elongation factors. Nilsson L, et al. **Eur J Biochem** 1986 Nov 17;161(1):111–7

Modifications of 60 S ribosomal subunits induced by the ricin A chain. Paleologue A, et al. **FEBS Lett** 1986 Nov 24; 208(2):373–7

Binding and cytotoxic effect of ricin toxin on multivalent hybrid antibody-coated target cells. Laky M, et al. **Immunol Lett** 1987 Jan;14(2):127–32

Somatic cell mutants resistant to ricin, diphtheria toxin, and to immunotoxins. Goldmacher VS, et al. **J Biol Chem** 1987 Mar 5;262(7):3205–9

Toxicity of ligand and antibody-directed ricin A-chain conjugates recognizing the epidermal growth factor receptor. Vollmar AM, et al. **J Cell Physiol** 1987 Jun; 131(3):418–25

Inhibition of the helper function of murine T cells with Fab'-anti-L3T4 ricin A chain immunotoxin. Street NE, et al. **J Immunol** 1987 Sep 1;139(5):1734–8

The toxic plant proteins ricin and abrin induce apoptotic changes in mammalian lymphoid tissues and intestine. Griffiths GD, et al. **J Pathol** 1987 Mar;151(3):221–9

Human melanoma cell lines showing striking inherent differences in sensitivity to immunotoxins containing holotoxins. Godal A, et al. **JNCI** 1986 Dec;77(6):1247–53

Protein A vectorized toxins—I. Preparation and properties of protein A-ricin toxin conjugates. Ghetie MA, et al. **Mol Immunol** 1986 Dec;23(12):1373–9

Mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. Endo Y, et al. **Nucleic Acids Symp Ser** 1986;(17):187–90

The response of ventral horn neurons to ricin. An experimental abiotrophy model. Palladini G, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1047–53

Graft-versus-host disease prevention in allogeneic bone marrow transplantation from histocompatible siblings. A pilot study using immunotoxins for T cell depletion of donor bone marrow. Filipovich AH, et al. **Transplantation** 1987 Jul;44(1):62–9

Specific ex-vivo depletion of human bone marrow T lymphocytes by an anti-pan-T cell (CD5) ricin A-chain immunotoxin. Siena S, et al. **Transplantation** 1987 Mar; 43(3):421–6

THERAPEUTIC USE

Effect of chemical deglycosylation of ricin A chain on the in vivo fate and cytotoxic activity of an immunotoxin composed of ricin A chain and anti-Thy 1.1 antibody. Blakey DC, et al. **Cancer Res** 1987 Feb 15;47(4):947–52

Inhibition of growth of human tumor xenografts in athymic mice treated with ricin toxin A chain–monoclonal antibody 791T/36 conjugates. Byers VS, et al. **Cancer Res** 1987 Oct 1;47(19):5042–6

Antitumor activity of an immunotoxin in a nude mouse model

of human ovarian cancer. FitzGerald DJ, et al. **Cancer Res** 1987 Mar 1;47(5):1407–10

Antitumor activity of intraperitoneal immunotoxins in a nude mouse model of human malignant mesothelioma. Griffin TW, et al. **Cancer Res** 1987 Aug 15;47(16):4266–70

An immunotoxin cytotoxic for breast cancer cells in vitro. LeMaistre CF, et al. **Cancer Res** 1987 Feb 1;47(3):730–4

Therapy of patients with malignant melanoma using a monoclonal antimelanoma antibody–ricin A chain immunotoxin. Spitler LE, et al. **Cancer Res** 1987 Mar 15; 47(6):1717–23

Whole ricin and recombinant ricin A chain idiotype–specific immunotoxins for therapy of the guinea pig L2C B cell leukemia. Gregg EO, et al. **J Immunol** 1987 Jun 15; 138(12):4502–8

Potent and specific killing of human malignant brain tumor cells by an anti–transferrin receptor antibody–ricin immunotoxin. Zovickian J, et al. **J Neurosurg** 1987 Jun; 66(6):850–61

TOXICITY

The intersubunit disulfide bridge of ricin is essential for cytotoxicity. Wright HT, et al. **Arch Biochem Biophys** 1987 Jul;256(1):280–4

Kinetic comparison of ricin immunotoxins: biricin conjugate has potentiated cytotoxicity. Marsh JW, et al. **Biochemistry** 1986 Jul 29;25(15):4461–7

The preparation of deglycosylated ricin by recombination of glycosidase–treated A– and B–chains: effects of deglycosylation on toxicity and in vivo distribution. Foxwell BM, et al. **Biochim Biophys Acta** 1987 Jan 20; 923(1):59–65

Toxicity and immunogenicity of monoclonal antimelanoma antibody–ricin A chain immunotoxin in rats. Harkonen S, et al. **Cancer Res** 1987 Mar 1;47(5):1377–82

The mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. The site and the characteristics of the modification in 28 S ribosomal RNA caused by the toxins. Endo Y, et al. **J Biol Chem** 1987 Apr 25; 262(12):5908–12

Hybridoma cells containing intracellular anti–ricin antibodies show ricin meets secretory antibody before entering the cytosol. Youle RJ, et al. **J Biol Chem** 1987 Apr 5; 262(10):4676–82

The Kupffer cell is the first target in ricin–induced hepatitis. Bingen A, et al. **J Submicrosc Cytol** 1987 Apr;19(2):247–56

Closing in on ricin action [news] Olsnes S. **Nature** 1987 Aug 6–12;328(6130):474–5

RICINOLEIC ACIDS see under **FATTY ACIDS, UNSATURATED**

RICINUS

see related
CASTOR OIL

ANALYSIS

Structure and stability of Ricinus communis haemagglutinin. Frénoy JP, et al. **Biochem J** 1986 Nov 15;240(1):227–31

Studies on the antitumor lectins isolated from the seeds of Ricinus communis (castor bean). Lin JY, et al. **Toxicon** 1986;24(8):757–65

GENETICS

The complete amino acid sequence of the B–chain of ricin E isolated from small–grain castor bean seeds. Ricin E is a gene recombination product of ricin D and Ricinus communis agglutinin. Araki T, et al. **Biochim Biophys Acta** 1987 Jan 30;911(2):191–200

IMMUNOLOGY

The relationship between total serum IgE and castor–bean–specific IgE antibodies in castor–bean–sensitive patients from Marseilles. Thorpe SC, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):456–60

METABOLISM

The extraction and reconstitution of the alpha–cyanocinnamate–sensitive pyruvate transporter from castor bean mitochondria. Brailsford MA, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1036–42

Pyruvate metabolism in castor–bean mitochondria. Brailsford MA, et al. **Biochem J** 1986 Oct 15;239(2):355–61

RICKETS

CHEMICALLY INDUCED

Long–term anticonvulsant therapy and vitamin D metabolism in ambulatory pubertal children. Ala–Houhala M, et al. **Neuropediatrics** 1986 Nov;17(4):212–6

COMPLICATIONS

Hepatic rickets. Preeyasombat C, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:17–26

Rickets in cerebral palsied children: a report of two cases. Matthews SJ, et al. **J Pediatr Orthop** 1986 Nov–Dec; 6(6):717–20

Early clinical rickets and its association with malnutrition. Parent MA, et al. **J Trop Pediatr** 1987 Feb;33(1):13–5

[Hypocalcemia, cardiac failure and ventricular tachycardia in an infant with rickets] Labrune P, et al. **Arch Fr Pediatr** 1986 Jun–Jul;43(6):413–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Osteopenia of prematurity. James JR, et al. **Arch Dis Child** 1986 Sep;61(9):871–6

DRUG THERAPY

The dichotomy in the effects of 1,25 dihydroxyvitamin D3 and 24,25–dihydroxyvitamin D3 on bone gamma–carboxyglutamic acid–containing protein in serum and bone in vitamin D–deficient rats. Wientroub S, et al. **Calcif Tissue Int** 1987 Mar;40(3):166–72

Response of rachitic rat bones to 1,25–dihydroxyvitamin D3: biphasic effects on mineralization and lack of effect on bone resorption. Gallagher JA, et al. **Endocrinology** 1986 Oct; 119(4):1603–9

Spironolactone–reversible rickets associated with 11 beta–hydroxysteroid dehydrogenase deficiency syndrome. Batista MC, et al. **J Pediatr** 1986 Dec;109(6):989–93

[Aspects of juvenile rickets/osteopenia in black children] Prinsloo JG. **S Afr Med J** 1987 Aug 1;72(3):201–4 (Eng. Abstr.) **(Afr)**

[Preparation and clinical use of the micro–capsule of oil of Atractylodiae chinensis] Liu SF. **Chung Yao Tung Pao** 1986 Nov;11(11):58–61 **(Chi)**

[Myocardial damage in children with rickets treated with vitamin D 3] Zydowo M, et al. **Pol Tyg Lek** 1986 Oct 20;41(42):1346–7 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Plasma alkaline phosphatase activity and its relation to rickets in pre–term infants. Walters EG, et al. **Ann Clin Biochem** 1986 Nov;23 (Pt 6):652–6

ETIOLOGY

Nutritional rickets in San Diego. Hayward I, et al. **Am J Dis Child** 1987 Oct;141(10):1060–2

Yogurt and nutritional rickets [letter] Ozsoylu S. **Clin Pediatr (Phila)** 1987 Jul;26(7):365, 374

Osteomalacia of the mother––rickets of the newborn. Park W, et al. **Eur J Pediatr** 1987 May;146(3):292–3

Etiology of rickets in Egyptian children. Lawson DE, et al. **Hum Nutr Clin Nutr** 1987 May;41(3):199–208

Nutritional rickets. Jacobsen ST, et al. **J Pediatr Orthop** 1986 Nov–Dec;6(6):713–6

Rickets in Singapore infants and children. Wong HB. **J Singapore Paediatr Soc** 1986;28(1–2):12–20

Metabolic bone disease of prematurity [editorial] **Lancet** 1987 Jan 24;1(8526):200

[Hypophosphatasemia rickets. Contribution of a case of the neonatal form] Colombo ML, et al. **Minerva Pediatr** 1986 Oct 15;38(19):861–6 (Eng. Abstr.) **(Ita)**

[Etiology and pathology of metabolic bone diseases: rickets and osteomalacia] Hanaoka H. **Nippon Rinsho** 1986 Nov; 44(11):2417–21 (14 ref.) **(Jpn)**

[Rickets, its pathogenesis, treatment and complications (letter)] Petriaeva AT. **Pediatriia** 1986 Sep;(9):67–8 **(Rus)**

[Effect of combined vitamin D and E deficiencies on calcium metabolism and bone tissue of the rat] Sergeev IN, et al. **Vopr Pitan** 1987 Jan–Feb;(1):39–43 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

"Idiopathic" hypercalciuria and hereditary hypophosphatemic rickets. Two phenotypical expressions of a common genetic defect. Tieder M, et al. **N Engl J Med** 1987 Jan 15; 316(3):125–9

METABOLISM

The calcium antagonist diltiazem inhibits calcification enhanced by calcitonin in growth cartilage of rats in ethane–1–hydroxy–1,1–diphosphonate (EHDP)–induced rickets. Eguchi M, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):73–81

Vitamin D3 metabolism in a pig strain with pseudo vitamin D–deficiency rickets, type I. Kaune R, et al. **Acta Endocrinol (Copenh)** 1987 Jul;115(3):345–52

Morphological observations concerning the pattern of mineralization of the normal and the rachitic chick growth cartilage. Boyde A, et al. **Anat Embryol (Berl)** 1987; 175(4):457–66

Activities of NAD–and NADP–specific isocitrate dehydrogenases in kidney mitochondria of rachitic rat. Treves C, et al. **Biochem Cell Biol** 1986 Dec;64(12):1310–6

Manganese rickets. A biochemical and stereologic study with special reference to the effect of phosphate. Svensson O, et al. **Clin Orthop** 1987 May;(218):302–11

Milk protein synthesis by mammary glands of vitamin D–deficient mice. Bhattacharjee M, et al. **Endocrinology** 1987 Sep;121(3):865–74

A single case of hypophosphatemic rickets with hypercalciuria. Nishiyama S, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):826–9

Noncollagenous bone proteins in experimental rickets in the rat. Wientroub S, et al. **Mol Cell Biochem** 1987 Apr; 74(2):157–62

Effect of in vivo administration of thyroid hormone on phosphate uptake of brush border membrane vesicles from kidney cortex of rachitic rats. Umano T, et al. **Osaka City Med J** 1986 Aug;32(1):41–8

OCCURRENCE

High levels of childhood rickets in rural North Yemen. Underwood P, et al. **Soc Sci Med** 1987;24(1):37–41

PATHOLOGY

Phosphaturic mesenchymal tumors. A polymorphous group causing osteomalacia or rickets. Weidner N, et al. **Cancer** 1987 Apr 15;59(8):1442–54

A comparative study of the calcification–promoting action of 1,25 (OH)2D3 and calcitonin on the growth cartilage of rats with 1–hydroxyethylidene–1, 1–biphosphonic acid (HEBP)–induced rickets. Eguchi M, et al. **Int Orthop** 1987; 11(1):77–82

Mineralization of normal and rachitic chick growth cartilage: vascular canals, cartilage calcification and osteogenesis. Shapiro IM, et al. **Scanning Microsc** 1987 Jun;1(2):599–606

[Histological study of muscle in the experimental hypophosphatemic rat] Nishimura N. **Nippon Seikeigeka Gakkai Zasshi** 1987 Jan;61(1):39–48 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Rickets in very low birthweight infants. Influence of supplementation with vitamin D, phosphorus and calcium. Lindroth M, et al. **Acta Paediatr Scand** 1986 Nov; 75(6):927–31

Maternal compared with infant vitamin D supplementation. Ala–Houhala M, et al. **Arch Dis Child** 1986 Dec; 61(12):1159–63

Failure of mineral supplementation to reduce incidence of rickets in very–low–birthweight infants [letter] McIntosh N, et al. **Lancet** 1986 Oct 25;2(8513):981–2

[Change in rickets prevention and readjustment of the vitamin D regimen ("new" Dekristol)] **Arztl Jugendkd** 1987; 78(1):76–7 **(Ger)**

[Changes in rickets prevention and changes in vitamin D preparations (the "new" Dekristol)]Hesse V, et al. **Kinderarztl Prax** 1986 Dec;54(12):699–701 (Eng. Abstr.) **(Ger)**

[Hypercalcemia following prophylactic vitamin D administration] Misselwitz J, et al. **Kinderarztl Prax** 1986 Aug;54(8):431–8 (Eng. Abstr.) **(Ger)**

[Changes in rickets prevention and conversion of vitamin D administration ("new" Dekristol)]Hartwich R. **Padiatr Grenzgeb** 1987;26(3):145–7 (Eng. Abstr.) **(Ger)**

[Vitamin D––metabolism and rickets] Fanconi A. **Schweiz Rundsch Med Prax** 1987 Mar 24;76(13):344–8 (Eng. Abstr.) **(Ger)**

[Administration of 25–hydroxyvitamin D3 for the prevention of disorders of calcium–phosphate metabolism after anticonvulsant therapy in children] Rowińska E, et al. **Pediatr Pol** 1986 Jul;61(7):415–20 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Radiological rickets in extremely low birthweight infants. Lyon AJ, et al. **Pediatr Radiol** 1987;17(1):56–8

[Clinical x–ray characteristics of the flat rachitic pelvis in women] Osmanov EM. **Akush Ginekol (Mosk)** 1987 Apr; (4):64 **(Rus)**

VETERINARY

Field rickets in turkeys: relationship to vitamin D. Bar A, et al. **Poult Sci** 1987 Jan;66(1):68–72

[A hereditary disorder of vitamin D metabolism in swine. Pseudo– vitamin D deficiency rickets, type I] Kaune R, et al. **Berl Munch Tierarztl Wochenschr** 1987 Jan 1; 100(1):6–13 (Eng. Abstr.) **(Ger)**

[Serum calcium, inorganic phosphorus and alkaline phosphatase levels in sheep with deformities of the extremities] Rogowska W, et al. **Pol Arch Weter** 1986; 25(4):121–30 (Eng. Abstr.) **(Pol)**

RICKETS, RENAL see **RENAL OSTEODYSTROPHY**

RICKETS, VITAMIN D RESISTANT

BLOOD

[Calcium–regulating hormone content of the blood in rickets in children] Omel'chenko LI, et al. **Pediatriia** 1986 Nov; (11):45–9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Analysis of the relation between alopecia and resistance to 1,25–dihydroxyvitamin D. Marx SJ, et al. **Clin Endocrinol (Oxf)** 1986 Oct;25(4):373–81

Hypophosphatemic rickets/osteomalacia in linear sebaceous nevus syndrome: a variant of tumor–induced osteomalacia. Carey DE, et al. **J Pediatr** 1986 Dec;109(6):994–1000

[Type III osteogenesis imperfecta associated with hypophosphatemic vitamin D–resistant rickets] Menzel D, et al. **Monatsschr Kinderheilkd** 1986 Oct;134(10):755–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Metacarpal measurements in X-linked hypophosphataemic rickets. Herweijer TJ, et al. **Helv Paediatr Acta** 1986 Oct; 41(4):331–8

[Type 1 hypocalcemic pseudo-deficiency rickets caused by renal 25-hydroxycholecalciferol 1-hydroxylase deficiency (apropos of 1 case)] el Harim-el Mdouar L, et al. **Maroc Med** 1986 Dec;8(4):450–5 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Hereditary resistance to 1,25-dihydroxyvitamin D: clinical and radiological improvement during high-dose oral calcium therapy. Sakati N, et al. **Horm Res** 1986; 24(4):280–7

1 alpha-hydroxyvitamin D3 treatment of three patients with 1,25-dihydroxyvitamin D-receptor-defect rickets and alopecia. Takeda E, et al. **Pediatrics** 1987 Jul;80(1):97–101

[Nocturnal intragastric administration of phosphates in the treatment of familial hypophosphatemic rickets] Wieczorek E. **Pediatr Pol** 1986 Sep;61(9):563–70 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Thyrotoxicosis and the hungry bone syndrome: a cause of postoperative tetany. Jones RM, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):24–8

[Vitamin-resistant rickets preceding Wilson's disease] Zaïmi I, et al. **Tunis Med** 1986 May;64(5):493–8 (Eng. Abstr.) **(Fre)**

[Metabolic bone diseases: hypophosphatemic vitamin-D resistant rickets] Nakajima H, et al. **Nippon Rinsho** 1986 Nov;44(11):2479–85 (38 ref.) **(Jpn)**

[Metabolic bone diseases: vitamin-D-dependent rickets] Tsuchiya Y, et al. **Nippon Rinsho** 1986 Nov;44(11):2486–92 (20 ref.) **(Jpn)**

FAMILIAL & GENETIC

Mineral uptake by the femora of older female X-linked hypophosphatemic (HYP) mice but not older male HYP mice. Brault BA, et al. **Clin Orthop** 1987 Sep;(222):289–99

Neurological involvement in X-linked hypophosphataemic rickets. Bradbury PG, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):810–2

[Recent knowledge about the significance of 1,25-hydroxyvitamin D and the development of genetically-induced rickets] Kolb E. **Z Gesamte Inn Med** 1986 Dec 1;41(23):641–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Vitamin D-dependent rickets type II: extreme end organ resistance to 1,25-dihydroxy vitamin D3 in a patient without alopecia. Fraher LJ, et al. **Eur J Pediatr** 1986 Oct; 145(5):389–95

RADIOGRAPHY

Tibial bowing exacerbated by partial premature epiphyseal closure in sex-linked hypophosphatemic rickets. McAlister WH, et al. **Radiology** 1987 Feb;162(2):461–3

SURGERY

[Surgical treatment in a case of severe rachitic deformity of the lower extremities] Di Giovanni C. **Arch Putti Chir Organi Mov** 1985;35:425–31 (Eng. Abstr.) **(Ita)**

URINE

[Characteristics of cyclic nucleotide metabolism in vitamin D-deficient rickets] Antipkin IuG, et al. **Pediatriia** 1986 Nov;(11):49–51 (Eng. Abstr.) **(Rus)**

RICKETTSIA

DRUG EFFECTS

Susceptibility of Rickettsia conorii and R. rickettsii to pefloxacin, in vitro and in ovo. Raoult D, et al. **J Antimicrob Chemother** 1987 Mar;19(3):303–5

In vitro antibiotic susceptibility of Rickettsia rickettsii and Rickettsia conorii: plaque assay and microplaque colorimetric assay. Raoult D, et al. **J Infect Dis** 1987 May; 155(5):1059–62

IMMUNOLOGY

Incidence of Mediterranean spotted fever in Sardinia in the years 1982–1984. Pompei R, et al. **Eur J Epidemiol** 1985 Jun;1(2):117–20

Analysis of T-cell-dependent and -independent antigens of Rickettsia conorii with monoclonal antibodies. Feng HM, et al. **Infect Immun** 1987 Jan;55(1):7–15

Reactivity of monoclonal antibodies to Rickettsia rickettsii with spotted fever and typhus group rickettsiae. Anacker RL, et al. **J Clin Microbiol** 1987 Jan;25(1):167–71

Immunohistochemical evaluation of the cellular immune response to Rickettsia conorii in taches noires. Herrero-Herrero JI, et al. **J Infect Dis** 1987 Apr; 155(4):802–5

Immunofluorescence test with Rickettsia montana for serologic diagnosis of rickettsial infection of the spotted fever group in Shikoku, Japan. Uchida T, et al. **Microbiol Immunol** 1986;30(10):1061–6

Detection of Cowdria ruminantium antigen and antibody during the course of heartwater disease in sheep by means of an enzyme-linked immunosorbent assay. Neitz AW, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):205–7

ISOLATION & PURIFICATION

Rickettsial and serologic evidence for prevalent spotted fever rickettsiosis in inner Mongolia. Fan MY, et al. **Am J Trop Med Hyg** 1987 May;36(3):615–20

Isolation on "VERO" cells of a spotted fever group rickettsia "Mortilli strain" from Rhipicephalus sanguineus.Tringali G, et al. **Eur J Epidemiol** 1986 Sep;2(3):186–90

Isolation of a spotted fever group rickettsia from a patient and related ecologic investigations in Xinjiang Uygur Autonomous Region of China. Fan MY, et al. **J Clin Microbiol** 1987 Apr;25(4):628–32

Identification of spotted fever group rickettsiae from human and tick sources in the People's Republic of China. Wang JG, et al. **J Infect Dis** 1987 Oct;156(4):665–9

Spotted fever group rickettsiae in the lone star tick, Amblyomma americanum (Acari: Ixodidae). Goddard J, et al. **J Med Entomol** 1986 Sep 19;23(5):465–72

Isolation of a spotted fever group Rickettsia from a patient with febrile exanthematous illness in Shikoku, Japan. Uchida T, et al. **Microbiol Immunol** 1986;30(12):1323–6

[Methods of a quantitative assessment of rickettsial contents in mites (review of the literature)] Pchelkin AP. **Med Parazitol (Mosk)** 1987 Jan-Feb;(1):78–83 (Eng. Abstr.) **(Rus)**

[Experimental evaluation of the methodology for titrating outbred mice to quantitatively measure the rickettsial burden of Ixodoidea ticks] Pchelkin AP, et al. **Med Parazitol (Mosk)** 1987 May-Jun;(3):13–6 (Eng. Abstr.) **(Rus)**

METABOLISM

[Biochemical and genetical study of Rickettsia] Balaeva NM. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):3–15 (93 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Biochemistry of rickettsiae: recent advances. Weiss E, et al. **Acta Virol (Praha)** 1987 May;31(3):271–86 (117 ref.)

[Ecological problems of the rickettsiae] Pautov VN. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):92–7 (48 ref.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of Rickettsia sibirica during interaction with the host cell. Popov VL, et al. **Acta Virol (Praha)** 1986 Nov;30(6):494–8

RICKETTSIA INFECTIONS

[The rickettsial origin of multiple sclerosis: the end of a myth (letter)] Raoult D, et al. **Presse Med** 1987 Apr 18;16(14):684 **(Fre)**

COMPLICATIONS

[Buerger's disease: etiologic role of the rickettsiae?] Bartolo M, et al. **J Mal Vasc** 1987;12(1):82–4 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Immunofluorescence test with Rickettsia montana for serologic diagnosis of rickettsial infection of the spotted fever group in Shikoku, Japan. Uchida T, et al. **Microbiol Immunol** 1986;30(10):1061–6

[Rickettsiosis 50 years after the death of Charles Nicolle] Jadin JB. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):111–21 **(Fre)**

[Does Boutonneuse fever in France have equivalents outside the Mediterranean area?] Marjolet M, et al. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):141–52 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Acute febrile cerebrovasculitis [letter] Harrell GT. **Ann Intern Med** 1987 Mar;106(3):479–80

Comparison of two dosage schedules of doxycycline in children with rickettsial spotted fever. Yagupsky P, et al. **J Infect Dis** 1987 Jun;155(6):1215–9

HISTORY

Koch's postulates and the etiology of rickettsial diseases. Harden VA. **J Hist Med Allied Sci** 1987 Jul;42(3):277–95

IMMUNOLOGY

Gamma interferon as a crucial host defense against Rickettsia conorii in vivo. Li H, et al. **Infect Immun** 1987 May; 55(5):1252–5

[Cellular immunity factors of tick-borne typhus patients in northern Asia] Tomilka GS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):66–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Identification of spotted fever group rickettsiae from human and tick sources in the People's Republic of China. Wang JG, et al. **J Infect Dis** 1987 Oct;156(4):665–9

Isolation of a spotted fever group Rickettsia from a patient with febrile exanthematous illness in Shikoku, Japan. Uchida T, et al. **Microbiol Immunol** 1986;30(12):1323–6

OCCURRENCE

Rickettsial and serologic evidence for prevalent spotted fever rickettsiosis in inner Mongolia. Fan MY, et al. **Am J Trop Med Hyg** 1987 May;36(3):615–20

Isolation of a spotted fever group rickettsia from a patient and related ecologic investigations in Xinjiang Uygur Autonomous Region of China. Fan MY, et al. **J Clin Microbiol** 1987 Apr;25(4):628–32

[Present status of rickettsiosis] Edlinger E. **Arch Inst Pasteur Tunis** 1986 Mar;63(1):75–90 (Eng. Abstr.) **(Fre)**

TRANSMISSION

[Tick-borne diseases] Rufli T. **Schweiz Rundsch Med Prax** 1987 Jun 9;76(24):699–704 (Eng. Abstr.) **(Ger)**

RICKETTSIA PROWAZEKII

GENETICS

Nucleotide sequence of the Rickettsia prowazekii citrate synthase gene. Wood DO, et al. **J Bacteriol** 1987 Aug; 169(8):3564–72

[The library of Rickettsia prowazekii genes] Artem'ev MI, et al. **Mol Gen Mikrobiol Virusol** 1987 Jan;(1):24–6 (Eng. Abstr.) **(Rus)**

[Homology between the ribosomal and RNA-polymerase genes of E. coli and vaccine strain E of Rickettsia prowazekii] Artem'ev MI, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):34–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Rickettsial vaccines with emphasis on epidemic typhus. Initial report of an old vaccine trial. Woodward TE. **S Afr Med J** 1986 Oct 11;Suppl:73–6

[Immunization of travelers to (sub)tropical areas (letter)] van Praag MC, et al. **Ned Tijdschr Geneeskd** 1987 Jul 11; 131(28):1233 **(Dut)**

[Biological properties of antibiotic-resistant mutants of the mildly pathogenic Rickettsia prowazekii E strain] Frolova OM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb; (2):12–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Rickettsia prowazekii requires host cell serine and glycine for growth. Austin FE, et al. **Infect Immun** 1987 Jan; 55(1):240–4

Protein and RNA synthesis by isolated Rickettsia prowazekii. Winkler HH. **Infect Immun** 1987 Sep;55(9):2032–6

PHYSIOLOGY

Electron microscopic analysis of in vitro interaction of Rickettsia prowazekii with guinea pig macrophages. II. Macrophages from immune animals. Popov VL, et al. **Acta Virol (Praha)** 1987 Jan;31(1):59–64

Electron microscopic analysis of in vitro interaction of Rickettsia prowazekii with guinea pig macrophages. I. Macrophages from nonimmune animals. Popov VL, et al. **Acta Virol (Praha)** 1987 Jan;31(1):53–8

ULTRASTRUCTURE

Peculiarities of Rickettsia prowazekii in the cell culture as revealed by cryoultramicrotomy. Smirnova NS, et al. **Acta Virol (Praha)** 1986 Sep;30(5):436–9

RICKETTSIA RICKETTSII

DRUG EFFECTS

Susceptibility of Rickettsia conorii and R. rickettsii to pefloxacin, in vitro and in ovo. Raoult D, et al. **J Antimicrob Chemother** 1987 Mar;19(3):303–5

In vitro antibiotic susceptibility of Rickettsia rickettsii and Rickettsia conorii: plaque assay and microplaque colorimetric assay. Raoult D, et al. **J Infect Dis** 1987 May; 155(5):1059–62

GENETICS

Sequence analysis of the 17-kilodalton-antigen gene from Rickettsia rickettsii. Anderson BE, et al. **J Bacteriol** 1987 Jun;169(6):2385–90

Cloned gene of Rickettsia rickettsii surface antigen: candidate vaccine for Rocky Mountain spotted fever. McDonald GA, et al. **Science** 1987 Jan 2;235(4784):83–5

IMMUNOLOGY

Neutralizing activity of monoclonal antibodies to heat-sensitive and heat-resistant epitopes of Rickettsia rickettsii surface proteins. Anacker RL, et al.

Infect Immun 1987 Mar;55(3):825–7
Reactivity of monoclonal antibodies to Rickettsia rickettsii with spotted fever and typhus group rickettsiae. Anacker RL, et al. **J Clin Microbiol** 1987 Jan;25(1):167–71

PHYSIOLOGY

Natural history of Rickettsia rickettsii. McDade JE, et al. **Annu Rev Microbiol** 1986;40:287–309 (92 ref.)

RICKETTSIA TSUTSUGAMUSHI

ANALYSIS

Deficiency of peptidoglycan and lipopolysaccharide components in Rickettsia tsutsugamushi. Amano K, et al. **Infect Immun** 1987 Sep;55(9):2290–2

GENETICS

Molecular cloning and expression of Rickettsia tsutsugamushi genes for two major protein antigens in Escherichia coli. Oaks EV, et al. **Infect Immun** 1987 May;55(5):1156–62

GROWTH & DEVELOPMENT

Improved plaque assay for Rickettsia tsutsugamushi. Hanson B. **Am J Trop Med Hyg** 1987 May;36(3):631–8
Factors influencing Rickettsia tsutsugamushi infection of cultured cells. Hanson B. **Am J Trop Med Hyg** 1987 May; 36(3):621–30

IMMUNOLOGY

Antigens of virulent and attenuated Rickettsia tsutsugamushi. Pang HL, et al. **Clin Exp Immunol** 1986 Nov;66(2):279–84
Production and characterization of monoclonal strain-specific antibodies against prototype strains of Rickettsia tsutsugamushi. Murata M, et al. **Microbiol Immunol** 1986;30(7):599–610
Immunological properties of Rickettsia tsutsugamushi, Kawasaki strain, isolated from a patient in Kyushu. Yamamoto S, et al. **Microbiol Immunol** 1986;30(7):611–20
Detection of surface antigen in Rickettsia tsutsugamushi infected mouse reticuloendothelial cells. Lim TS, et al. **Southeast Asian J Trop Med Public Health** 1986 Jun; 17(2):151–5

ISOLATION & PURIFICATION

[A case of tsutsugamushi disease with isolation of Rickettsia from peripheral blood and tsutsugamushi disease in Japan] Kameda Y, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul; 96(8):791–803 **(Jpn)**

RICKETTSIA TYPHI

IMMUNOLOGY

Human T helper cells specific for antigens of typhus group rickettsiae enhance natural killer cell activity in vitro. Carl M, et al. **Infect Immun** 1986 Nov;54(2):297–302
Serological cross-reactions between Rickettsia typhi, Proteus vulgaris OX19, and Legionella bozemanii in a series of febrile patients. Sompolinsky D, et al. **Isr J Med Sci** 1986 Oct;22(10):745–52

RICKETTSIACEAE

IMMUNOLOGY

Reduced immune responsiveness and lymphoid depletion in mice infected with Ehrlichia risticii. Rikihisa Y, et al. **Infect Immun** 1987 Sep;55(9):2215–22
Enzyme-linked immunosorbent assay for Potomac horse fever disease. Pretzman CI, et al. **J Clin Microbiol** 1987 Jan;25(1):31–6
Observations on mouse-infective stocks of Cowdria ruminantium: attempts to demonstrate antigenic changes of the Kwanyanga stock in mice. Wassink LA, et al. **Res Vet Sci** 1986 Jul;41(1):98–101
Observations on mouse-infective stocks of Cowdria ruminantium: attempts to demonstrate persistence of the organism in mice immune to the Kwanyanga stock. Wassink LA, et al. **Res Vet Sci** 1987 Jan;42(1):65–7
Serological relationship between Cowdria ruminantium and certain ehrlichia [letter] Logan LL, et al. **Vet Rec** 1986 Nov 1;119(18):458–9
Protection of cattle against heartwater in Botswana: comparative efficacy of different methods against natural and blood-derived challenges. Simpson BC, et al. **Vet Rec** 1987 Feb 7;120(6):135–8

ISOLATION & PURIFICATION

Demonstration of colonies of Cowdria ruminantium in midgut epithelial cells of Amblyomma variegatum. Kocan KM, et al. **Am J Vet Res** 1987 Mar;48(3):356–60
Human infection with Ehrlichia canis [letter] Ewing SA, et al. **N Engl J Med** 1987 Oct 1;317(14):899–900

PHYSIOLOGY

Biochemistry of rickettsiae: recent advances. Weiss E, et al. **Acta Virol (Praha)** 1987 May;31(3):271–86 (117 ref.)

ULTRASTRUCTURE

Ultrastructural features of Cowdria ruminantium in midgut epithelial cells and salivary glands of nymphal Amblyomma hebraeum. Kocan KM, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):87–92
Heartwater: an in vitro study of the ultrastructure of Cowdria ruminatium. Prozesky L, et al. **Onderstepoort J Vet Res** 1986 Sep;53(3):153–9

RICKETTSIACEAE INFECTIONS

[Experimental infection of mice by an entomopathogenic rickettsia: Rickettsiella grylli. Infestation by the intraperitoneal route. Chronic phase] Delmas F, et al. **Ann Pharm Fr** 1986;44(2):163–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Colorado tick fever or ehrlichiosis [letter] Ellison RT 3d. **JAMA** 1987 Oct 2;258(13):1731–2
Human infection with Ehrlichia canis, a leukocytic rickettsia. Maeda K, et al. **N Engl J Med** 1987 Apr 2;316(14):853–6

DRUG THERAPY

The efficacy and plasma disposition of chloramphenicol and spiramycin in tick-borne fever-infected dwarf goats. Anika SM, et al. **J Vet Pharmacol Ther** 1986 Dec;9(4):433–5

ETIOLOGY

Unexplained febrile illnesses after exposure to ticks. Infection with an Ehrlichia? Fishbein DB, et al. **JAMA** 1987 Jun 12;257(22):3100–4

IMMUNOLOGY

Reduced immune responsiveness and lymphoid depletion in mice infected with Ehrlichia risticii. Rikihisa Y, et al. **Infect Immun** 1987 Sep;55(9):2215–22

MICROBIOLOGY

Human infection with Ehrlichia canis [letter] Ewing SA, et al. **N Engl J Med** 1987 Oct 1;317(14):899–900

OCCURRENCE

Tickborne diseases in Georgia, 1986. **J Med Assoc Ga** 1987 Jul;76(7):493, 530

VETERINARY

Attempted transmission of Ehrlichia risticii by field-captured Dermacentor variabilis (Acari: Ixodidae). Schmidtmann ET, et al. **Am J Vet Res** 1986 Nov;47(11):2393–5
Clinical and hematologic variables in ponies with experimentally induced equine ehrlichial colitis (Potomac horse fever). Ziemer EL, et al. **Am J Vet Res** 1987 Jan; 48(1):63–7
Ehrlichia canis-related polyarthritis in a dog. Bellah JR, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):922–3
Uveitis associated with Ehrlichia platys infection in a dog. Glaze MB, et al. **J Am Vet Med Assoc** 1986 Oct 15; 189(8):916–7
Questions diagnosis of ehrlichiosis [letter] Madigan JE. **J Am Vet Med Assoc** 1987 Feb 1;190(3):244–5
Equine ehrlichiosis in northern California: 49 cases (1968–1981). Madigan JE, et al. **J Am Vet Med Assoc** 1987 Feb 15;190(4):445–8
Use of plasmapheresis and chemotherapy for treatment of monoclonal gammopathy associated with Ehrlichia canis infection in a dog. Matus RE, et al. **J Am Vet Med Assoc** 1987 May 15;190(10):1302–4
Ehrlichia equi infection in a foal. Ziemer EL, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):199–200
Enzyme-linked immunosorbent assay for Potomac horse fever disease. Pretzman CI, et al. **J Clin Microbiol** 1987 Jan;25(1):31–6
Salmon poisoning disease in juvenile coyotes: clinical evaluation and infectivity of metacercariae and rickettsiae. Foreyt WJ, et al. **J Wildl Dis** 1987 Jul;23(3):412–7
The effect of tick-borne fever on metabolism and renal clearance of sulfadimidine in goats. Nouws JF, et al. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):91–7
Serodiagnosis of Babesia motasi (Wales), Theileria recondita (Wales) and Cytoecetes phagocytophila infection in sheep. Alani AJ, et al. **Res Vet Sci** 1987 Jul;43(1):104–8
Chemotherapy and pharmacokinetics of some antimicrobial agents in healthy dwarf goats and those infected with Ehrlichia phagocytophila (tick-borne fever). Anika SM, et al. **Res Vet Sci** 1986 Nov;41(3):386–90
Improved clinical approach to the diagnosis of canine ehrlichiosis. Price JE, et al. **Trop Anim Health Prod** 1987 Feb;19(1):1–8
Detection of serum antibodies against Ehrlichia risticii in Potomac horse fever by enzyme-linked immunosorbent assay. Dutta SK, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):85–92
[Ehrlichia phagocytophila as the agent of grazing fever in the Berne highlands] Pfister K, et al. **Schweiz Arch Tierheilkd** 1987 Jul;129(7):343–7 (Eng. Abstr.) **(Ger)**

RICKETTSIAL VACCINES see under **VACCINES**

RICKETTSIALPOX see **RICKETTSIACEAE INFECTIONS**

RIDA see **SCRAPIE**

RIDA VIRUS see **SCRAPIE AGENT**

RIFAMPICIN see **RIFAMPIN**

RIFAMPIN

Genetic transformation of rifampicin resistance in Lactobacillus acidophilus. Lin JH, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2107–11
A simple technique for entrapping rifampicin and isoniazid into liposomes. Wasserman M, et al. **Tubercle** 1986 Jun; 67(2):83–90
[Prospects for using blood preservatives with antimicrobial properties] Siroko IA, et al. **Voen Med Zh** 1987 Apr; (4):19–20 **(Rus)**

ADMINISTRATION & DOSAGE

Serum concentration of isoniazid following administration of the drug alone and in combination with rifampicin in patients of pulmonary tuberculosis [letter] Singhal KC, et al. **Indian J Physiol Pharmacol** 1986 Jan–Mar;30(1):115–7
Therapy of relapsing Clostridium difficile-associated diarrhea and colitis with the combination of vancomycin and rifampin. Buggy BP, et al. **J Clin Gastroenterol** 1987 Apr; 9(2):155–9
Single-dose rifampin prophylaxis for experimental endocarditis induced by high bacterial inocula of viridans streptococci. Malinverni R, et al. **J Infect Dis** 1987 Jul; 156(1):151–7
Preliminary evaluation of the effect of WHO-MDT on disabilities in leprosy patients in Malawi (Central Africa). Boerrigter G, et al. **Lepr Rev** 1986;57 Suppl 3:101–5
The impact of MDT implementation in the Tanzania National TB-Leprosy Programme. Chum HJ. **Lepr Rev** 1986;57 Suppl 3:63–6
The Malta experience. Isoprodian-rifampicin combination treatment for leprosy. Depasquale G. **Lepr Rev** 1986;57 Suppl 3:29–37
Comparison of DDS with two combined chemotherapy regimens for multibacillary leprosy. Results after 3 years of treatment. A prospective randomized multicentre study. Dietrich M, et al. **Lepr Rev** 1986;57 Suppl 3:60–2
First assessment of the Malta Leprosy Eradication Project. Leiker DL. **Lepr Rev** 1986;57 Suppl 3:42–6
Treatment of paucibacillary leprosy patients with dapsone and rifampicin. Samuel NM, et al. **Nippon Rai Gakkai Zasshi** 1985 Oct–Dec;54(4):193–7
Treatment of gonococcal urethritis in men with a rifampicin-erythromycin combination. Oriel JD, et al. **Sex Transm Dis** 1982 Oct–Dec;9(4):208–11
[Inadequate rifampicin treatment in multibacillary leprosy and the incubation time of relapse] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):301–2 **(Fre)**
[Netilmicin and netilmicin-rifampicin combination in targeted treatment of staphylococcal infections] Andreoni M, et al. **Clin Ter** 1986 Sep 15;118(5):333–8 (Eng. Abstr.) **(Ita)**
[Long term results of short course chemotherapy in pulmonary tuberculosis—(1st study):twelve- and eighteen-month chemotherapy with rifampicin-isoniazid and ethambutol] Baba H, et al. **Kekkaku** 1986 Jul; 61(7):371–7 (Eng. Abstr.) **(Jpn)**
[Prognosis of isoniazid-resistant patients of pulmonary tuberculosis] Yoshida F, et al. **Kekkaku** 1987 Jan; 62(1):17–24 (Eng. Abstr.) **(Jpn)**
[Effect of antituberculosis therapy on the course of syphilitic infection] Glozman VN, et al. **Vestn Dermatol Venerol** 1986; (9):72–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Light chain cast nephropathy and acute renal failure associated with rifampin therapy. Renal disease akin to myeloma kidney. Soffer O, et al. **Am J Med** 1987 May; 82(5):1052–6
Effect of rifampin therapy on thyroid function tests in a hypothyroid patient on replacement L-thyroxine. Isley WL. **Ann Intern Med** 1987 Oct;107(4):517–8
Papillary necrosis associated with rifampicin therapy. Lai FM, et al. **Aust NZ J Med** 1987 Feb;17(1):68–70
Adverse drug reactions checklist [letter] van Assendelft AH. **Br Med J** 1987 Feb 28;294(6571):576–7
Acute interstitial nephritis associated with intermittent rifampin use. Katz MD, et al. **Drug Intell Clin Pharm** 1986 Oct;20(10):789–92
Drug interaction between lorcainide and rifampicin [letter] Mauro VF, et al. **Eur J Clin Pharmacol** 1987;31(6):737–8
Fulminant hepatitis during treatment with rifampicin, pyrazinamid and ethambutol. van Aalderen WM, et al. **Eur J Pediatr** 1987 May;146(3):290–1
Toxic epidermal necrolysis due to rifampicin [letter] Okano M, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):303–4
Circulating inhibitor of factor VIII during treatment with teicoplanin and rifampicin [letter] Legrand JC, et al. **J Antimicrob Chemother** 1987 Jun;19(6):850–2
Rifampicin induced acute tubulo-interstitial nephritis [letter] Sivaraman V. **J Indian Med Assoc** 1986 Aug;84(8):255
A possible 'flu' syndrome on once-monthly rifampicin [letter]

Naafs B, et al. **Lepr Rev** 1986 Sep;57(3):271–2
Rifampicin in pregnancy [letter] Summers A. **Lepr Rev** 1986 Sep;57(3):274–5
Major adverse reactions to a short course of daily rifampicin. Brook G, et al. **Scand J Infect Dis** 1987;19(2):271–2
Renal failure and haemolysis caused by rifampicin [letter] van Assendelft AH. **Tubercle** 1986 Sep;67(3):234–5
[Observations on the effect of PZA, EB and RFP on uric acid metabolism] Dong SQ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Aug;9(4):220–2, 254 (Eng. Abstr.) **(Chi)**
[Rifampicin, vitamin K and osteomalacia (letter)] Chouraqui JP. **Arch Fr Pediatr** 1986 Apr;43(4):292 **(Fre)**
[A case of allergic shock caused by readministration of rifampicin] Hashimoto M, et al. **Kekkaku** 1987 Jan; 62(1):25–9 (Eng. Abstr.) **(Jpn)**
[Immune hemolytic anemia caused by rifampicin (letter)] Trujillo Conde G, et al. **Med Clin (Barc)** 1986 Sep 27; 87(9):391–2 **(Spa)**

ANALOGS & DERIVATIVES

Rifabutin and rifapentine compared with rifampin against Mycobacterium leprae in mice [letter] Pattyn SR.
Antimicrob Agents Chemother 1987 Jan;31(1):134
Uptake and activity of rifapentine in human peritoneal macrophages and polymorphonuclear leukocytes. Pascual A, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):152–7
Effect of rifampin and its cyclopentyl analogue, MDL 473, on the expression of delayed type hypersensitivity to oxazolone. Kenny MT. **Int J Immunopharmacol** 1987; 9(2):257–60
Antimycobacterial activities of two newer ansamycins, R-76-1 and DL 473. Ji BH, et al.
Int J Lepr Other Mycobact Dis 1986 Dec;54(4):563–77
Interaction of rifampicin or rifapentine with other agents against Pseudomonas aeruginosa [letter] Korvick J, et al. **J Antimicrob Chemother** 1987 Jun;19(6):847–8
Intracellular killing of Mycobacterium avium complex by rifapentine and liposome-encapsulated amikacin. Bermudez LE, et al. **J Infect Dis** 1987 Sep;156(3):510–3
[In-vitro antimycobacterial activity of rifapentine (comparison with rifampicin)] Tsukamura M, et al. **Kekkaku** 1986 Dec;61(12):633–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Stability of 1% rifampin suspensions prepared in five syrups. Krukenberg CC, et al. **Am J Hosp Pharm** 1986 Sep; 43(9):2225–8
Spectrophotometric estimation of rifampin–isoniazid mixture in dosage form. Sharma SC, et al.
J Assoc Off Anal Chem 1987 Jul–Aug;70(4):679–81
Rifampicin concentrations in cerebrospinal fluid and plasma of the rabbit by high performance liquid chromatography. Chan K. **Methods Find Exp Clin Pharmacol** 1986 Dec; 8(12):721–6

ANTAGONISTS & INHIBITORS

Sulfonamide-containing regimens for disease caused by rifampin-resistant Mycobacterium kansasii. Ahn CH, et al. **Am Rev Respir Dis** 1987 Jan;135(1):10–6

BLOOD

Effect of clofazimine and dapsone on rifampicin (Lositril) pharmacokinetics in multibacillary and paucibacillary leprosy cases. Mehta J, et al. **Lepr Rev** 1986;57 Suppl 3:67–76
[Studies of serum rifampicin concentrations] Takamoto M, et al. **Kekkaku** 1986 Aug;61(8):425–33 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

[Determination of rifampin, rifamdin and rifocin concentrations in the CSF of 71 patients with tuberculous meningitis] Gao DZ. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):351–3, 384 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

Drugs as probes of organ function: evaluation of the hepatobiliary axis using oral rifampicin and novel high performance liquid chromatography. Berg JD, et al.
Ann Clin Biochem 1987 Jan;24 (Pt 1):36–40

METABOLISM

Pharmacokinetics of rifampin given as a single oral dose in foals. Castro LA, et al. **Am J Vet Res** 1986 Dec; 47(12):2584–6
Effect of phagocyte membrane stimulation on antibiotic uptake and intracellular bactericidal activity. Steinberg TH, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):660–2
The effect of clofazimine on the pharmacokinetics of rifampicin and dapsone in leprosy. Venkatesan K, et al. **J Antimicrob Chemother** 1986 Dec;18(6):715–8
[Permanent malabsorption of rifampicin in a diabetic with celiac disease] Dieterlen P, et al. **Arch Fr Pediatr** 1986 Jun-Jul;43(6):421–2 (Eng. Abstr.) **(Fre)**
[Pharmacokinetics of rifampicin] Kohno H.
Nippon Kyobu Shikkan Gakkai Zasshi 1987 Jan;25(1):32–7 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetics of rifampicin administered intravenously to pulmonary tuberculosis patients] Ziia AV, et al.
Antibiot Med Biotekhnol 1987 Mar;32(3):223–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Susceptibility of Campylobacter pyloridis to three macrolide antibiotics (erythromycin, roxithromycin [RU 28965], and CP 62,993) and rifampin. Czinn S, et al.
Antimicrob Agents Chemother 1986 Aug;30(2):328–9
In vitro activity of imipenem against enterococci and staphylococci and evidence for high rates of synergism with teicoplanin, fosfomycin, and rifampin. Debbia E, et al. **Antimicrob Agents Chemother** 1986 Nov;30(5):813–5
Rifabutin and rifapentine compared with rifampin against Mycobacterium leprae in mice [letter] Pattyn SR.
Antimicrob Agents Chemother 1987 Jan;31(1):134
Comparative effects of sulfones and rifampin on growth of Mycobacterium lepraemurium in macrophage diffusion chamber cultures. Rightsel WA, et al.
Antimicrob Agents Chemother 1978 Mar;13(3):509–13
Update on rifampin drug interactions. Baciewicz AM, et al. **Arch Intern Med** 1987 Mar;147(3):565–8
Effect of rifampicin on haem and bilirubin metabolism in man. McColl KE, et al. **Br J Clin Pharmacol** 1987 May; 23(5):553–9
Effect of rifampin, phenobarbital pretreatment, and acetylator phenotype on acetylisoniazid metabolism in the rabbit. Thomas BH, et al. **Can J Physiol Pharmacol** 1987 Mar; 65(3):419–23
Sensitivity to rifaximin and rifampicin of Mycobacterium tuberculosis isolated from guinea pigs treated orally with rifaximin. Malvisi Stracciari J, et al. **Chemioterapia** 1987 Apr;6(2):82–4
Synergy of imipenem—a novel carbapenem, and rifampin and ciprofloxacin against Pseudomonas aeruginosa, Serratia marcescens and Enterobacter species. Chin NX, et al.
Chemotherapy 1987;33(3):183–8
The effect of antipyrine and rifampin on the metabolism of diazepam. Ohnhaus EE, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):148–56
In vitro activity of fosfomycin combined with rifampin, pefloxacin and imipenem against staphylococci: a study by the time–kill curve method. Quentin C, et al.
Drugs Exp Clin Res 1987;13(4):219–24
Effect of Ro 23–6240 on sensitive and resistant intracellular mycobacteria. Easmon C, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):165–6
Interaction of bisoprolol with cimetidine and rifampicin. Kirch W, et al. **Eur J Clin Pharmacol** 1986;31(1):59–62
No effect of rifampicin upon urinary light chain excretion. Stanford CF, et al. **Eur J Respir Dis** 1987 Aug;71(2):93–5
Note on the enzyme assay for urinary D-glucaric acid and correlation with rifampicin-induced mixed function oxidase activity. Perry W, et al.
Int J Clin Pharmacol Ther Toxicol 1986 Nov;24(11):609–13
Plasma gamma glutamyltransferase levels during rifampicin therapy for tuberculosis. Perry W, et al.
Int J Clin Pharmacol Ther Toxicol 1987 Jan;25(1):7–9
Effect of rifampin and its cyclopentyl analogue, MDL 473, on the expression of delayed type hypersensitivity to oxazolone. Kenny MT. **Int J Immunopharmacol** 1987; 9(2):257–60
Teicoplanin, vancomycin, rifampicin: in-vivo and in-vitro studies with Staphylococcus aureus. Carper HT, et al.
J Antimicrob Chemother 1987 May;19(5):659–62
Rifampicin resistance in a strain of Brucella melitensis after treatment with doxycycline and rifampicin [letter] De Rautlin de la Roy YM, et al. **J Antimicrob Chemother** 1986 Nov;18(5):648–9
Interaction of rifampicin or rifapentine with other agents against Pseudomonas aeruginosa [letter] Korvick J, et al.
J Antimicrob Chemother 1987 Jun;19(6):847–8
In-vitro activity of teicoplanin alone and in combination with rifampicin, gentamicin or tobramycin against coagulase-negative staphylococci. Watanakunakorn C.
J Antimicrob Chemother 1987 Apr;19(4):439–43
Overexpression of the dnaA gene in Escherichia coli B/r: chromosome and minichromosome replication in the presence of rifampin. Pierucci O, et al. **J Bacteriol** 1987 May;169(5):1871–7
The effect of rifampin on theophylline kinetics. Boyce EG, et al. **J Clin Pharmacol** 1986 Nov–Dec;26(8):696–9
Effects of rifampicin on the peripheral turnover kinetics of thyroid hormones in mice and in men. Finke C, et al.
J Endocrinol Invest 1987 Apr;10(2):157–62
The killing of Mycobacterium leprae in mice by various dietary concentrations of dapsone and rifampicin. Gelber RH. **Lepr Rev** 1986 Dec;57(4):347–53
Enzyme induction of renal transport mechanism by rifampicin in man? Brockmeyer NH, et al.
Pharmacol Ther 1987;33(1):205–7
Influence of the enzyme induction by rifampicin on its presystemic metabolism. Loos U, et al. **Pharmacol Ther** 1987;33(1):201–4
Resistance of vaccinia virus to rifampicin conferred by a single nucleotide substitution near the predicted NH2 terminus of a gene encoding an Mr 62,000 polypeptide. Baldick CJ Jr, et al. **Virology** 1987 Jan;156(1):138–45
[Prospective study on the preliminary evaluation of a tuberculosis susceptibility test with the micro-culture dish method using native products]
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1987 Feb;10(1):20–2, 62 (Eng. Abstr.) **(Chi)**
[Effect of rifampin, isoniazid and streptomycin on E receptors of T cells] Du BY, et al.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1986 Dec;9(6):348–9, 382 (Eng. Abstr.) **(Chi)**
[Electrophysiologic demonstration of the activity of rifampicin on nerve disease developing in mice inoculated with Hansen's bacilli in the footpad] Sébille A, et al.
Acta Leprol (Geneve) 1986 Apr–Jun;(101):215 **(Fre)**
[Synergy, addition, indifference, antagonism and dominance. Dominance and antibiotic combination] Drugeon HB, et al. **Pathol Biol (Paris)** 1987 May;35(5):495–500 (Eng. Abstr.) **(Fre)**
[In vitro action of fosfomycin combined with rifampicin, pefloxacin and imipenem on staphylococci (checkerboard method in a liquid medium)] Quentin C, et al.
Pathol Biol (Paris) 1987 Feb;35(2):153–7 (Eng. Abstr.) **(Fre)**
[Meningococcal epidemic in a boarding school: a rifampicin-resistant secondary case while under chemoprophylaxis] Schubiger G, et al.
Schweiz Med Wochenschr 1986 Aug 30;116(35):1172–5 (Eng. Abstr.) **(Ger)**
[Comparison of in vitro antimycobacterial activities of ansamycin and rifampicin] Tsukamura M, et al.
Kekkaku 1986 Oct;61(10):497–503 (Eng. Abstr.) **(Jpn)**
[Transcription of ribosomal protein genes rplKAJL and RNA-polymerase genes rpoBC in Escherichia coli cells: metabolic regulation of attenuation and the effect of rifampicin] Kliachko EV, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1337–43 (Eng. Abstr.) **(Rus)**
[Stimulation of the transcription of the RNA polymerase genes of Escherichia coli (beta beta' subunits) in vitro as affected by rifampicin] Fedoseeva VB, et al.
Mol Gen Mikrobiol Virusol 1986 Sep;(9):36–43 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comparison of single and combination antimicrobial agents for prevention of experimental gas gangrene caused by Clostridium perfringens. Stevens DL, et al.
Antimicrob Agents Chemother 1987 Feb;31(2):312–6
Effects of recombinant interferon-gamma and chemotherapy with isoniazid and rifampicin on infections of mouse peritoneal macrophages with Listeria monocytogenes and Mycobacterium microti in vitro. Khor M, et al.
Br J Exp Pathol 1986 Oct;67(5):707–17
Infection by airborne Chlamydia trachomatis in a dentist cured with rifampicin after failures with tetracycline and doxycycline [letter] Taylor-Robinson D.
Br Med J [Clin Res] 1987 May 2;294(6580):1161–2
Pulmonary tuberculosis, cryoglobulinemia and immunecomplex glomerulonephritis [letter] Teruel JL, et al. **Clin Nephrol** 1987 Jan;27(1):48–9
Amikacin, ethambutol, and rifampin for treatment of disseminated Mycobacterium avium–intracellulare infections in patients with acquired immune deficiency syndrome. Baron EJ, et al. **Diagn Microbiol Infect Dis** 1986 Sep;5(3):215–20
Crohn's disease. Rifampin treatment of the ocular and gut disease. Wirostko E, et al. **Hepatogastroenterology** 1987 Apr;34(2):90–3
Short term chemotherapy of paucibacillary leprosy. Dhir R, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):549–54
Follow up of BL/LL patients on a slightly modified WHO regimen of multidrug therapy. Katoch K, et al.
Indian J Lepr 1987 Jan–Mar;59(1):36–43
Short term combination therapy for paucibacillary leprosy—histological evaluation & follow-up study. Kumar B, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):54–62
Follow-up study of pauci-bacillary leprosy on-multi-drug regimen. Ramanan R, et al. **Indian J Lepr** 1987 Jan–Mar; 59(1):50–3
A comparative study of the efficacy of WHO and IAL multidrug therapy regimens for leprosy—an in-vivo and in-vitro study. Revankar CR, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):543–8
Efficacy of rifampicin and isoniazid in cutaneous leishmaniasis. Livshin R, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):55–9
Comparison of three regimens containing rifampin for treatment of paucibacillary leprosy patients. Katoch K, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):1–8
Simultaneous treatment with rifampin and ketoconazole [letter] Selden ST. **J Am Acad Dermatol** 1986 Dec; 15(6):1305
Serum concentration and urinary elimination of ethambutol administered alone and in combination with rifampin in patients of pulmonary tuberculosis. Singhal KC, et al.
J Indian Med Assoc 1986 Dec;84(12):376–8
Use of chemoprophylaxis to prevent the spread of Hemophilus influenzae B in day-care facilities. Broome CV, et al. **N Engl J Med** 1987 May 7;316(19):1226–8
Treatment of nervous system brucellosis with rifampin and doxycycline [letter] Hernández Pérez MA, et al.
Neurology 1986 Oct;36(10):1408–9
Staphylococcus epidermidis ventriculitis treated with vancomycin and rifampin. Osborn JS, et al.
Neurosurgery 1986 Nov;19(5):824–7
Molecular epidemiology of Haemophilus influenzae type B: failure of rifampin prophylaxis in a day care center. Wilde J, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):505–8

Second episodes of Haemophilus influenzae type b disease following rifampin prophylaxis of the index patients. Cates KL, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):512–5
Management of contacts of children in day care with invasive Haemophilus influenzae type b disease. Dashefsky B, et al. **Pediatries** 1986 Nov;78(5):939–41
Cost–benefit analysis of two strategies for prevention of Haemophilus influenzae type b infection. Hay JW, et al. **Pediatrics** 1987 Sep;80(3):319–29
Tuberculosis policy—correction of facts [letter] Popkiss ME. **S Afr Med J** 1986 Oct 11;70(8):503
Treatment of established prosthetic vascular graft infection with antibiotics preferentially concentrated in leukocytes. Wakefield TW, et al. **Surgery** 1987 Jul;102(1):8–14
The use of rifampicin and isoniazid entrapped in liposomes for the treatment of Murine tuberculosis. Orozco LC, et al. **Tubercle** 1986 Jun;67(2):91–7
[Effect of rifampicin, clofazimine and dapsone in treating 296 cases of multibacillary leprosy] Li WZ.
Chung Hua I Hsueh Tsa Chih 1987 Jan;67(1):1–3 (Eng. Abstr.) **(Chi)**
[5–year assessment of daily multi–drug therapy of leprosy in Guadeloupe since 1980] Cartel JC, et al.
Acta Leprol (Geneve) 1986 Oct–Dec;(103):415–25 (Eng. Abstr.) **(Fre)**
[Short–term clinical and histological evaluation of combination drug therapy of leprosy in Mayotte] Cnudde F, et al. **Acta Leprol (Geneve)** 1987 Apr–Jun;(105):115–24 (Eng. Abstr.) **(Fre)**
[Dynamics of establishing resistance of M. leprae to dapsone and rifampicin in Martinique]
Constant–Desportes–Relouzat M, et al.
Acta Leprol (Geneve) 1986 Jul–Sep;(102):293–300 **(Fre)**
[Clinical and bacteriological assessment 8 years after triple–drug therapy for multibacillary leprosy in Senegal] Dousset–Faure I, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):465–72 (Eng. Abstr.) **(Fre)**
[Comparison of 3 therapeutic regimens in paucibacillary leprosy. Preliminary note] Husser JA, et al.
Acta Leprol (Geneve) 1986 Oct–Dec;(103):447–52 (Eng. Abstr.) **(Fre)**
[Histological progression of paucibacillary leprosy during treatment with various therapeutic regimens] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):501–4 (Eng. Abstr.) **(Fre)**
[Inadequate treatment in multibacillary leprosy and incubation times for relapses] Pattyn SR, et al.
Acta Leprol (Geneve) 1986 Oct–Dec;(103):495–9 (Eng. Abstr.) **(Fre)**
[Efficacy of combined treatments comprising 6 months' administration of rifampicin in multibacillary leprosy] Pattyn SR, et al. **Acta Leprol (Geneve)** 1986 Oct–Dec;(103):445–6 (Eng. Abstr.) **(Fre)**
[Combined treatments consisting of rifampicin in periodic doses: the experience in Niger] Soga G, et al.
Acta Leprol (Geneve) 1986 Oct–Dec;(103):397–407 **(Fre)**
[Resistance of Mycobacterium leprae to dapsone and rifampicin: apropos of a survey carried out in the Cape Verde region (Senegal)] Grosset J, et al.
Med Trop (Mars) 1987 Apr–Jun;47(2):171–5 (Eng. Abstr.) **(Fre)**
[Investigation on bacteriological relapses in cases of pulmonary tuberculosis treated with INH and RFP—report of the 27th B series of controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] Mochizuki K, et al. **Kekkaku** 1987 May;62(5):265–80 (Eng. Abstr.) **(Jpn)**
[Rifampicin in the treatment of staphylococcal infection] Treskina OS. **Antibiot Med Biotekhnol** 1986 Aug;31(8):568–74 (53 ref.) **(Rus)**
[Effect of rifampicin on the L transformation of a mycobacterial population in patients with destructive pulmonary tuberculosis] Karachunskiĭ MA, et al.
Probl Tuberk 1986;(9):31–4 (Eng. Abstr.) **(Rus)**
[Rifampicin in the treatment of tuberculosis in patients with diabetes mellitus] Markova EF, et al. **Probl Tuberk** 1987;(6):39–41 (Eng. Abstr.) **(Rus)**
[Complex therapy of newly detected patients with destructive pulmonary tuberculosis using rifampicin and tuberculin] Refle EE, et al. **Probl Tuberk** 1987;(2):22–5 (Eng. Abstr.) **(Rus)**
[Characteristics of the treatment of chronic bronchitis patients with rifampicin and streptomycin] Pilipchuk NS, et al. **Vrach Delo** 1986 Aug;(8):51–4 (Eng. Abstr.) **(Rus)**
[Treatment of brucellosis with rifampicin and doxycycline] Garcés JM, et al. **Rev Clin Esp** 1987 Apr;180(7):372–4 (Eng. Abstr.) **(Spa)**

TOXICITY

Ultrastructural changes in the parenchymal liver cells of rats treated with high doses of rifampicin. Piriou A, et al.
Br J Exp Pathol 1987 Apr;68(2):201–7

RIFAMYCINS

[Study of incompatibility in vitro of injection of rifamycin sodium with 45 injections] Yu WH, et al.
Hua Hsi I Ko Ta Hsueh Hsueh Pao 1986 Mar;17(1):51–3 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Contact urticaria from rifamycin. Grob JJ, et al.
Contact Dermatitis 1987 May;16(5):284–5
[Mixed hepatitis due to rifamycin SV. Apropos of a case (letter)] Furet Y, et al. **Therapie** 1986 Sep–Oct;41(5):405–6 **(Fre)**

ANALYSIS

Effect of the mobile phase composition on the retention behaviour of diphenylsilica pre–coated plates.
Grassini–Strazza G, et al. **J Chromatogr** 1986 Oct 3; 367(2):323–34

BIOSYNTHESIS

[Effect of various forms of inorganic nitrogen on the biosynthesis of rifamycin B] Lysko AV, et al.
Antibiot Med Biotekhnol 1986 Jul;31(7):519–21 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Determination of rifampin, rifamdin and rifocin concentrations in the CSF of 71 patients with tuberculous meningitis] Gao DZ. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):351–3, 384 (Eng. Abstr.) **(Chi)**

METABOLISM

Transcutaneous absorption of a topical rifamycin preparation: rifaximin (L/105). Venturini AP, et al.
Drugs Exp Clin Res 1987;13(4):231–2

PHARMACODYNAMICS

Effect of rifabutin on the phagocytosis and intracellular growth of Mycobacterium intracellulare in mouse resident and activated peritoneal and alveolar macrophages. Perumal VK, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):334–7
Rifabutin and rifapentine compared with rifampin against Mycobacterium leprae in mice [letter] Pattyn SR.
Antimicrob Agents Chemother 1987 Jan;31(1):134
Therapeutic implications of inhibition versus killing of Mycobacterium avium complex by antimicrobial agents. Yajko DM, et al. **Antimicrob Agents Chemother** 1987 Jan; 31(1):117–20
Sensitivity to rifaximin and rifampicin of Mycobacterium tuberculosis isolated from guinea pigs treated orally with rifaximin. Malvisi Stracciari J, et al. **Chemioterapia** 1987 Apr;6(2):82–4
In vitro and in vivo evaluation of L/105, a new topical intestinal rifamycin. Venturini AP, et al. **Chemioterapia** 1986 Aug;5(4):257–62
Rapid disappearance from the intestinal tract of bacteria resistant to rifaximin. De Leo C, et al.
Drugs Exp Clin Res 1986;12(12):979–81
Influence of gentamicin and rifamycin on toxicity and biotransformation of methyl parathione in rats. Youssef SH, et al. **DTW** 1987 Apr 8;94(4):203–5
In–vitro antibacterial activity of L–105, a new cephalosporin. Hikida M, et al. **J Antimicrob Chemother** 1986 Nov; 18(5):585–91
The interaction of rifamycin–SV with the hepatic transport and sulfation of taurolithocolic acid in rats. Bonazzi P, et al. **Pharmacol Res Commun** 1986 Aug;18(8):675–85

THERAPEUTIC USE

Activity of rifabutin alone or in combination with clofazimine or ethambutol or both against acute and chronic experimental Mycobacterium intracellulare infections. Gangadharam PR, et al. **Am Rev Respir Dis** 1987 Aug; 136(2):329–33
Rifaximin, a rifamycin derivative for use in the treatment of intestinal bacterial infections in seriously disabled patients. Alvisi V, et al. **J Int Med Res** 1987 Jan–Feb; 15(1):49–56
Rifamycin SV in the local treatment of synovitis [letter] Caruso I. **J Rheumatol** 1987 Feb;14(1):178–9
Rifabutin (ansamycin LM 427): a new rifamycin–S derivative for the treatment of mycobacterial diseases. O'Brien RJ, et al. **Rev Infect Dis** 1987 May–Jun;9(3):519–30 (23 ref.)

TOXICITY

Acute, subacute, chronic toxicity and mutagenicity studies of rifaximin (L/105) in rats. Borelli G, et al.
Chemioterapia 1986 Aug;5(4):263–7

RIFLES see **FIREARMS**

RIFOMYCINS see **RIFAMYCINS**

RIFT VALLEY FEVER

Mosquito–borne virus diseases of man in southern Africa. McIntosh BM. **S Afr Med J** 1986 Oct 11;Suppl:69–72 (41 ref.)

DIAGNOSIS

Comparison of techniques for demonstrating antibodies to Rift Valley fever virus. Swanepoel R, et al.
J Hyg (Lond) 1986 Oct;97(2):317–29

DRUG THERAPY

Prophylaxis of Rift Valley fever with antiviral drugs, immune serum, an interferon inducer, and a macrophage activator. Peters CJ, et al. **Antiviral Res** 1986 Aug;6(5):285–97

OCCURRENCE

Rift Valley fever surveillance in mobile sheep flocks in the Nile Delta. Allam IH, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1055–60
Detection of Rift Valley fever viral activity in Kenya by satellite remote sensing imagery. Linthicum KJ, et al.
Science 1987 Mar 27;235(4796):1656–9

PHYSIOPATHOLOGY

Comparative pathogenicity and antigenic cross–reactivity of Rift Valley fever and other African phleboviruses in sheep. Swanepoel R, et al. **J Hyg (Lond)** 1986 Oct;97(2):331–46

PREVENTION & CONTROL

Pathogenicity and immunogenicity of a mutagen–attenuated Rift Valley fever virus immunogen in pregnant ewes. Morrill JC, et al. **Am J Vet Res** 1987 Jul;48(7):1042–7
Ranking of prophylactic efficacy of poly(ICLC) against Rift Valley fever virus infection in mice by incremental relative risk of death. Kende M, et al.
Antimicrob Agents Chemother 1987 Aug;31(8):1194–8

TRANSMISSION

Transmission studies in mosquitoes (Diptera: Culicidae) with disseminated Rift Valley fever virus infections. Turell MJ, et al. **J Med Entomol** 1987 Jan;24(1):11–8
Focus of Rift Valley fever virus transmission in southern Mauritania [letter] Saluzzo JF, et al. **Lancet** 1987 Feb 28; 1(8531):504

RIFT VALLEY FEVER VIRUS see under **BUNYAVIRIDAE**

RIGHT TO DIE

NIH workshop summary. Withholding and withdrawing mechanical ventilation. **Am Rev Respir Dis** 1986 Dec; 134(6):1327–30
Is one allowed to stop artificial organs, allowing patients to die? Opposing physicians' and philosophers' views. Kjellstrand CM, et al. **ASAIO Trans** 1986 Oct–Dec; 32(2):671–87
Terminal care decision making. Solinsky AE. **Conn Med** 1987 Jun;51(6):350–60
Right–to–life issues further clouded by aging population. Newald J. **Hospitals** 1986 Dec 20;60(24):72
Right to die: public balks at deciding for others. Steiber SR. **Hospitals** 1987 Mar 5;61(5):72
Medical resistance to the right to die. Fletcher J.
J Am Geriatr Soc 1987 Jul;35(7):679–82
Advanced directives to limit treatment: the need for portability [editorial] Miles SH. **J Am Geriatr Soc** 1987 Jan;35(1):74–6
The right to serve and the limits of autonomy [editorial] Stollerman GH. **J Am Geriatr Soc** 1987 Jul;35(7):702
Caveat philosophus: technology's abuse–potential in the decision to terminate life [editorial] Thomasma DC.
J Am Geriatr Soc 1987 Jul;35(7):703–4
The uncertain lessons of the Quinlan case [editorial] Feinberg AW. **J Gen Intern Med** 1986 Jul–Aug;1(4):267–8
Case conference. Earning his heroin but seeking release while the surgeon advises amputation. **J Med Ethics** 1987 Mar; 13(1):43–8
Death with dignity and the right to die: sometimes doctors have a duty to hasten death. Miller PJ. **J Med Ethics** 1987 Jun;13(2):81–5
Withholding or withdrawing life–prolonging medical treatment [letter] Corbett TE. **JAMA** 1986 Nov 21; 256(19):2673
Ethical and medicolegal dilemmas in the care of the dying patient. Almagor G, et al. **Med Law** 1987;6(2):139–44
Addendum to living will [letter] Reynolds WA.
West J Med 1987 Apr;146(4):486
[Care of the dying from the ethical viewpoint] Virt G.
Wien Med Wochenschr 1986 Jul 31;136(14):353–7 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Living wills made under the Colorado Medical Treatment Decision Act and do not resuscitate orders for hospital and nursing home patients: a comparison. Haggerty DM, et al. **Colo Med** 1987 Jun 15;84(10):203–5
Evolving Delaware law on the termination of life–sustaining treatment. Hayman S. **Del Med J** 1987 Mar;59(3):205–8, 213–4
Compassionate withholding of feeding: are physicians protected? Champlin L. **Geriatrics** 1987 Jan;42(1):37–40, 42
Autonomy and the critically ill patient: the legal issues. Moskowitz LD, et al. **Heart Lung** 1986 Sep;15(5):520–4
Brophy v New England Sinai Hospital, Inc. Brief amicus curiae, Society for the Right to Die, Inc. on behalf of appellant. **J Am Geriatr Soc** 1987 Jul;35(7):669–78
Living will update. Greene R. **J Med Assoc Ga** 1986 Aug; 75(8):510
The legal status of consent obtained from families of adult

patients to withhold or withdraw treatment. Areen J. **JAMA** 1987 Jul 10;258(2):229–35
The Brophy case: whose life is it? Beresford HR. **Neurology** 1987 Aug;37(8):1357–8
Brophy and Beresford: more questions than answers [editorial] Cranford RE. **Neurology** 1987 Aug;37(8):1359–60
Issue of the 'living will' document affects occupational health specialists. Goerth CR. **Occup Health Saf** 1987 Feb;56(2):30
Nora's 'living will'. Fox ER. **West J Med** 1987 Jan;146(1):118
Living will in Wisconsin. Shapiro RS, et al. **Wis Med J** 1986 Oct;85(10):17–23
[Life support care against the patient's will] Rieger HJ. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):565 (Ger)

RIGHT TO TREATMENT see **PATIENT ADVOCACY**

RIGIDITY, DECEREBRATE see **DECEREBRATE STATE**

RIGOR MORTIS

PHYSIOPATHOLOGY

[Remarks on the irritability and onset of rigor mortis in skeletal muscles] Böhm E. **Beitr Gerichtl Med** 1986; 44:439–50 (Eng. Abstr.) (Ger)

RILEY–DAY SYNDROME see **DYSAUTONOMIA, FAMILIAL**

RILEY VIRUS see **LACTATE DEHYDROGENASE VIRUS**

RIMANTADINE see under **ADAMANTANE**

RIMITEROL see under **CATECHOLS**

RINDERPEST

IMMUNOLOGY

Reverse phase passive haemagglutination test for the detection of rinderpest antigen. Bansal RP, et al. **Trop Anim Health Prod** 1987 Feb;19(1):53–5
Single radial hemolysis test for the detection of rinderpest antibody. Bansal RP, et al. **Trop Anim Health Prod** 1986 Aug;18(3):133–6

OCCURRENCE

Continuing presence of rinderpest virus as a threat in East Africa, 1983–1985. Rossiter PB, et al. **Vet Rec** 1987 Jan 17;120(3):59–62

PHYSIOPATHOLOGY

Effects of antipyretics in rinderpest virus infection in rabbits. Kurosawa S, et al. **J Infect Dis** 1987 May;155(5):991–7

PREVENTION & CONTROL

War on cattle disease divides the troops [news] Walsh J. **Science** 1987 Sep 11;237(4820):1289–91

RINDERPEST VIRUS

ANALYSIS

Comparison of proteins induced in cells infected with rinderpest and peste des petits ruminants viruses. Diallo A, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):2033–8

GENETICS

Molecular cloning and sequence analysis of the rinderpest virus mRNA encoding the hemagglutinin protein. Tsukiyama K, et al. **Virology** 1987 Sep;160(1):48–54

IMMUNOLOGY

Simple and rapid dot-enzyme immunoassay for visual detection of rinderpest antibodies in bovine and caprine sera. Afshar A, et al. **Trop Anim Health Prod** 1986 Nov; 18(4):209–16
Reverse phase passive haemagglutination test for the detection of rinderpest antigen. Bansal RP, et al. **Trop Anim Health Prod** 1987 Feb;19(1):53–5
Single radial hemolysis test for the detection of rinderpest antibody. Bansal RP, et al. **Trop Anim Health Prod** 1986 Aug;18(3):133–6
A reassessment of the dual vaccine against rinderpest and contagious bovine pleuropneumonia. Jeggo MH, et al. **Vet Rec** 1987 Feb 7;120(6):131–5

RING CHROMOSOMES see under **CHROMOSOME ABERRATIONS**

RING CONSTRICTIONS, INTRAUTERINE see **AMNIOTIC BAND SYNDROME**

RINGWORM see **TINEA**

RIOTS

see related
VIOLENCE

PREVENTION & CONTROL

The anatomy of plastic bullet damage and crowd control. Metress EK, et al. **Int J Health Serv** 1987;17(2):333–42
Requests by police for anti-riot equipment [editorial] Walton HD. **Med Sci Law** 1986 Oct;26(4):257–8

RISK see under **PROBABILITY**

RISK MANAGEMENT see under **FINANCIAL MANAGEMENT**

RISK-TAKING

Beyond the concept of risk homeostasis: suggestions for research and application towards the prevention of accidents and lifestyle-related disease. Wilde GJ. **Accid Anal Prev** 1986 Oct;18(5):377–401
Relationship between Russian roulette deaths and risk-taking behavior: a controlled study. Fishbain DA, et al. **Am J Psychiatry** 1987 May;144(5):563–7
Perception of risk in motor-cyclists. Leaman A, et al. **Arch Emerg Med** 1986 Sep;3(3):199–201
Experiments on genetic risk perception and decision making: explorative studies. d'Ydewalle G, et al. **Birth Defects** 1987; 23(2):209–25
Representing risks: supporting genetic counseling. Humphreys P, et al. **Birth Defects** 1987;23(2):227–50 (54 ref.)
Risk assessment, risk perception and decision making about courses of action involving genetic risk: an overview of concepts and methods. Vlek C. **Birth Defects** 1987; 23(2):171–207
Road-accident data: interpreting the British experience with particular reference to the risk homoeostasis theory. Shannon HS. **Ergonomics** 1986 Aug;29(8):1005–15
IL institutions use "gambling" to raise funds.Traska MR. **Hospitals** 1986 Nov 5;60(21):58
Biopsychosocial correlates of risk-taking behaviors during adolescence. Can the physician intervene? Irwin CE Jr, et al. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):82S–96S (156 ref.)
Adolescent risk-taking behavior. Tonkin RS. **J Adolesc Health Care** 1987 Mar;8(2):213–20 (54 ref.)
Impotence associated with compulsive gambling. Daghestani AN. **J Clin Psychiatry** 1987 Mar;48(3):115–6
Risk, Las Vegas, and "The Deer Hunter".Ratzan RM. **J Emerg Med** 1987;5(1):53–7
Risk preference and laboratory test selection. Nightingale SD. **J Gen Intern Med** 1987 Jan–Feb;2(1):25–8
Risk preference and laboratory use. Nightingale SD. **Med Decis Making** 1987 Jul–Sep;7(3):168–72
Risk preference and laboratory utilization [editorial] Rich EC, et al. **Med Decis Making** 1987 Jul–Sep;7(3):135–7
AIDS and intravenous drug abuse: risk behavior [letter] Edgoose L, et al. **Med J Aust** 1987 Mar 2;146(5):279–80
Cigarette smoking: a "chosen" risk.Imperato PJ, et al. **NY State J Med** 1986 Sep;86(9):485–9
Attitudes toward risk taking in disadvantaged and academically excellent students. Smith FO, et al. **Percept Mot Skills** 1987 Feb;64(1):26
Neural dynamics of decision making under risk: affective balance and cognitive-emotional interactions. Grossberg S, et al. **Psychol Rev** 1987 Jul;94(3):300–18
Monte Carlo sampling for generalized knowledge dependence with application to human reliability. Cooke RM, et al. **Risk Anal** 1986 Sep;6(3):335–43
Perceived acceptability of risk analysis as a decision-making approach. MacGregor D, et al. **Risk Anal** 1986 Jun; 6(2):245–56

RISTOCETIN

ANALOGS & DERIVATIVES

A47934, a novel glycopeptide-aglycone antibiotic produced by a strain of Streptomyces toyocaensis taxonomy and fermentation studies. Boeck LD, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1533–40

ANTAGONISTS & INHIBITORS

A murine antiglycoprotein Ib complex monoclonal antibody, SZ 2, inhibits platelet aggregation induced by both ristocetin and collagen. Ruan CG, et al. **Blood** 1987 Feb; 69(2):570–7

CHEMICAL SYNTHESIS

[Selective modification of the free amino groups of the antibiotic ristomycin A] Katrukha GS, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):588–92 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Heterogeneity in type IIB von Willebrand disease: two unrelated cases with no family history and mild abnormalities of ristocetin-induced interaction between von Willebrand factor and platelets. Federici AB, et al. **Am J Hematol** 1986 Dec;23(4):381–90
[Effect of chemical modification of ristomycin A on the platelet aggregation of healthy subjects and Willebrand disease patients] Likhacheva EA, et al. **Gematol Transfuziol** 1987 May;32(5):56–8 (Rus)

METABOLISM

Thermochemistry of the interaction between peptides and vancomycin or ristocetin. Rodríguez-Tebar A, et al. **J Antibiot (Tokyo)** 1986 Nov;39(11):1578–83
Comparison of tryptic fragments of von Willebrand factor involved in binding to thrombin-activated platelets with fragments involved in ristocetin-induced binding and binding to collagen. Houdijk WP, et al. **Thromb Haemost** 1986 Dec 15;56(3):391–6

PHARMACODYNAMICS

Interaction of ristocetin and bovine plasma with guinea pig megakaryocytes: a means to enrich megakaryocytes based on membrane rather than physical characteristics. Jackson CW, et al. **Blood** 1987 Jan;69(1):173–9
Platelet-collagen interaction: inhibition by ristocetin and enhancement by von Willebrand factor-platelet binding. LaDuca FM, et al. **Blood** 1986 Oct;68(4):927–37
The role of glycoprotein IIb-IIIa complex in ristocetin-stimulated platelets as revealed by a monoclonal antibody. Hato T. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):129–37
A paradoxical effect of antibody concentration on vWF-dependent platelet agglutination distinguishes between botrocetin and ristocetin-induced agglutination. Roberson DW, et al. **Thromb Res** 1986 Dec 15;44(6):749–60

PHYSIOLOGY

Type IIB von Willebrand factor with normal sialic acid content induces platelet aggregation in the absence of ristocetin. Role of platelet activation, fibrinogen, and two distinct membrane receptors. De Marco L, et al. **J Clin Invest** 1987 Aug;80(2):475–82

RITODRINE

ADMINISTRATION & DOSAGE

Ritodrine or terbutaline—the optimal dosage in the treatment of preterm labor [letter] Berg G, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):260–1
The effect of a low-dose infusion of ritodrine on cardiac output distribution and uteroplacental blood flow in unanaesthetized pregnant guinea pigs. van de Walle AF, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May; 25(1):67–75
A new administration form of ritodrine. Ritodrine plasma levels with sustained-release capsules in a steady state. Essed GG, et al. **Gynecol Obstet Invest** 1987;23(1):10–5

ADVERSE EFFECTS

Neonatal complications following in utero exposure to intravenous ritodrine. Kazzi NJ, et al. **Acta Obstet Gynecol Scand** 1987;66(1):65–9
The use of magnesium sulfate for tocolysis in preterm labor complicated by twin gestation and betamimetic-induced pulmonary edema. Ogburn PL Jr, et al. **Acta Obstet Gynecol Scand** 1986;65(7):793–4
Ventricular septal thickness and cardiac function in neonates after in utero ritodrine exposure. Nuchpuckdee P, et al. **J Pediatr** 1986 Oct;109(4):687–91
Pulmonary edema as a delayed complication of ritodrine therapy. A case report. Bloss JD, et al. **J Reprod Med** 1987 Jun;32(6):469–71
Myocardial ischaemia during intravenous ritodrine treatment: is it so rare? [letter] Ben-Shlomo I, et al. **Lancet** 1986 Oct 18;2(8512):917–8
Fasting hyperinsulinemic hypoglycemia after ritodrine therapy for premature labor. Caldwell G, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):478–80

ANALYSIS

Concentrations of ritodrine hydrochloride in maternal and fetal serum and amniotic fluid following intravenous administration in late pregnancy. Fujimoto S, et al. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov;23(3–4):145–52
Determination of ritodrine in blood and plasma by high-performance liquid chromatography with fluorescence detection. Gross AS, et al. **J Chromatogr** 1987 May 15;416(2):400–8

METABOLISM

Ritodrine pharmacokinetics. Kuhnert BR, et al. **Clin Pharmacol Ther** 1986 Dec;40(6):656–64

PHARMACODYNAMICS

Myocardial adenylate cyclase activity in ritodrine-treated pregnant rabbits. Hatjis CG, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):749–54
The effect of oxytocin and betamimetic stimulation on prostaglandin release in perfused human fetal placenta. Ekblad U. **Eur J Obstet Gynecol Reprod Biol** 1986 Nov; 23(3–4):153–8
Metabolic effects of intravenous ritodrine infusion during pregnancy. Schreyer P, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr;9(2):97–103
Effect of antepartum ritodrine on the cardiorespiratory status of the newborn after elective cesarean section. Aarimaa T, et al. **Gynecol Obstet Invest** 1987;23(3):160–6

Effects of beta-2 agonist on tracheal fluid flow, surfactant and pulmonary mechanics in the fetal lamb. Warburton D, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):394–8

Effects of beta-2 agonist on metabolic regulation in the fetal lamb lung. Warburton D, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):389–93

Cardiovascular and tocolytic effects of nicardipine HCl in the pregnant rabbit: comparison with ritodrine HCl. Holbrook RH Jr, et al. **Obstet Gynecol** 1987 Jan;69(1):83–7

THERAPEUTIC USE

Use of ritodrine, terbutaline, and magnesium sulfate in preterm labor [letter] Caritis SN. **Am J Obstet Gynecol** 1986 Dec;155(6):1357

Adjunctive magnesium sulfate infusion does not alter metabolic changes associated with ritodrine tocolysis. Ferguson JE 2d, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):103–7

A randomized trial of ritodrine tocolysis versus expectant management in patients with premature rupture of membranes at 25 to 30 weeks of gestation. Garite TJ, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):388–93

Magnesium sulfate and ritodrine hydrochloride: a randomized comparison. Hollander DI, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):631–7

Treatment of acute intrapartum fetal distress by beta 2-sympathomimetics. Mendez-Bauer C, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):638–42

Ritodrine and pyridoxine in herpes gestationis [letter] Costa C, et al. **Dermatologica** 1986;173(2):102–3

A betamimetic drug and human fetal lung maturation. Cabero L, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Aug; 9(4):261–3

A study of indomethacin combined with ritodrine in threatened preterm labor. Gamissans O, et al. **Eur J Obstet Gynecol Reprod Biol** 1978 Jun;8(3):123–8

Management of uterine hyperstimulation after prostaglandin E2 administration. Goyert GL, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 2):468–70

Efficacy of combined administration of magnesium sulfate and ritodrine in the treatment of premature labor. Hatjis CG, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):317–22

Ritodrine in the treatment of preterm labor: second Danish multicenter study [letter] Katz M, et al. **Obstet Gynecol** 1987 Feb;69(2):281–3

Reduced incidence of hyaline membrane disease in extremely premature infants following delay of delivery in mother with preterm labor: use of ritodrine and betamethasone. Kwong MS, et al. **Pediatrics** 1986 Nov;78(5):767–74

[Dynamic changes in the frequency of uterine contractions during tocolysis with the beta-adrenomimetic Pre-Par with an intact amniotic sac] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1987;26(1):27–30 (Eng. Abstr.) **(Bul)**

TOXICITY

Cardiovascular effects of ritodrine tocolysis: a new noninvasive method to measure pulmonary capillary pressure during pregnancy. Hadi HA, et al. **Obstet Gynecol** 1987 Oct;70(4):608–12

RNA

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NISSL BODIES
NUCLEIC ACID DENATURATION
NUCLEIC ACID HYBRIDIZATION
REPETITIVE SEQUENCES, NUCLEIC ACID
RIBOSOMES

Resolution of a common RNA sequencing ambiguity by terminal deoxynucleotidyl transferase. DeBorde DC, et al. **Anal Biochem** 1986 Sep;157(2):275–82

Hydration of nucleic acid crystals. Berman HM. **Ann NY Acad Sci** 1986;482:166–78

Carrier RNA enhancement of recovery of DNA from dilute solutions. Gallagher ML, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):271–6

Site-directed protection of RNA during nuclease digestion. Beauchemin N, et al. **Biochem Cell Biol** 1987 Jan;65(1):43–9

Redox-active daunomycin-spin-labeled nucleic acid complexes. Ireland JC, et al. **Biochemistry** 1986 Nov 4; 25(22):6890–5

New methods for probing nucleic acids. Spielmann HP, et al. **Bioessays** 1986 Nov;5(5):232–4

Temperature-gradient gel electrophoresis. Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts. Rosenbaum V, et al. **Biophys Chem** 1987 May 9;26(2-3):235–46

Reaction of trans-4-N-acetoxy-N-acetylaminostilbene with guanosine, deoxyguanosine, RNA and DNA in vitro: predominant product is a cyclic N2,N3-guanine adduct. Franz R, et al. **Chem Biol Interact** 1987;62(2):143–55

Sequence-dependence of the conformational changes induced by the 5-methyl cytosine in synthetic RNA oligomers. Bloch G, et al. **FEBS Lett** 1987 Jul 27; 219(2):464–8

Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H. Inoue H, et al. **FEBS Lett** 1987 May 11;215(2):327–30

In situ hybridization methods for the detection of somatostatin mRNA in tissue sections using antisense RNA probes. Hoefler H, et al. **Histochem J** 1986 Nov-Dec; 18(11-12):597–604

RNA world [letter] Ganem B. **Nature** 1987 Aug 20-26; 328(6132):676

CD of homopolymer DNA-RNA hybrid duplexes and triplexes containing A-T or A-U base pairs. Steely HT Jr, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10071–90

Improved free-energy parameters for predictions of RNA duplex stability. Freier SM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9373–7

[DNA replication regulated by RNA structural change] Tomizawa J. **Tanpakushitsu Kakusan Koso** 1986 Sep; 31(11):1078–93 (16 ref.) **(Jpn)**

ANALYSIS

RNA fingerprinting using a small horizontal agarose gel electrophoresis apparatus. Furdon PJ, et al. **Anal Biochem** 1987 Apr;162(1):74–9

Direct analysis of RNA in whole cell and cytoplasmic extracts by gel electrophoresis. Hatch CL, et al. **Anal Biochem** 1987 Apr;162(1):283–90

A procedure for Northern blot analysis of native RNA. Khandjian EW, et al. **Anal Biochem** 1986 Nov 15; 159(1):227–32

Northern hybridization analysis of RNA using diethylpyrocarbonate-treated nonfat milk. Siegel LI, et al. **Anal Biochem** 1986 Nov 15;159(1):82–7

Immunochemical approaches to gene probe assays. Stollar BD, et al. **Anal Biochem** 1987 Mar;161(2):387–94

Expression of the 3-hydroxy-3-methylglutaryl coenzyme A-reductase and LDL-receptor genes in human embryonic tumours and in normal foetal tissues. Engström W, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):337–42

Evidence for an association of a ribonucleic acid with the purified, unactivated glucocorticoid receptor. Webb ML, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):204–11

Proteins and RNA in mouse L cell core nucleoli and nucleolar matrix. Shiomi Y, et al. **Biochemistry** 1986 Sep 23;25(19):5745–51

Cytoskeleton involvement in the distribution of mRNP complexes and small cytoplasmic RNAs. Bird RC, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):215–25

Dissecting the molecular anatomy of the nervous system: analysis of RNA and protein expression in whole body sections of laboratory animals. Blount P, et al. **Brain Res** 1986 Sep 24;382(2):257–65

RNA, DNA and total protein levels in subcellular fractions of human brain tumors. Kökoğlu E. **Cancer Lett** 1987 Jan; 34(1):67–71

A developmentally regulated activity that unwinds RNA duplexes. Bass BL, et al. **Cell** 1987 Feb 27;48(4):607–13

Improved flow cytometry of cellular DNA and RNA by on-line reagent addition. Pennings A, et al. **Cytometry** 1987 May;8(3):335–8

Forty minutes of experience increase the weight and RNA content of cerebral cortex in periadolescent rats. Ferchmin PA, et al. **Dev Psychobiol** 1986 Nov;19(6):511–9

Disintegration of nucleoskeletal elements by metrizamide/2 M salt isopyknic centrifugation. Rest R, et al. **Exp Cell Res** 1986 Nov;167(1):144–56

Changes in total and mitochondrial nucleic acid content in aging Caryedon serratus Oliver (Coleoptera). Rai N, et al. **Exp Gerontol** 1986;21(2):87–91

Demonstration of proteins and nucleic acids during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):272–9

Polyploidization and localisation of poly(A)+ RNA in the different cell types of the vitellogenic meroistic ovary of the fleshfly, Sarcophaga bullata. Cardoen J, et al. **Histochemistry** 1986;85(4):305–12

A novel variety of 4.5 S RNA from Codium fragile chloroplasts. Francis MA, et al. **J Biol Chem** 1987 Feb 5;262(4):1848–54

Separation of major RNA-derived nucleotides by reversed-phase liquid chromatography. Rotllán P, et al. **J Chromatogr** 1986 Dec 19;383(2):339–47

Description and partial characterization of a nucleolar RNA-associated autoantigen defined by a human monoclonal antibody. Chiorazzi N, et al. **J Exp Med** 1987 Apr 1;165(4):1172–87

Detection of RNA transcripts in normal lymphoid and myeloid colonies. Paige CJ, et al. **J Immunol Methods** 1986 Oct 23;93(1):37–43

Recovery and measurement of RNA in Alzheimer's disease by molecular hybridisation [letter] Taylor GR, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):356

Neuronal RNA in relation to neuronal loss and neurofibrillary pathology in the hippocampus in Alzheimer's disease. Doebler JA, et al. **J Neuropathol Exp Neurol** 1987 Jan;46(1):28–39

Characterization of RNA from Leishmania tropica and Leishmania d.donovani promastigotes. Vedel M, et al. **Mol Biochem Parasitol** 1987 May;24(1):81–7

Small RNAs of Tetrahymena thermophila. Horváth P, et al. **Mol Biol Rep** 1987;12(1):13–9

Features of the chicken c-myc gene that influence the structure of c-myc RNA in normal cells and bursal lymphomas. Nottenburg C, et al. **Mol Cell Biol** 1986 Aug; 6(8):2800–6

The Drosophila clock gene per affects intercellular junctional communication. Bargiello TA, et al. **Nature** 1987 Aug 20-26;328(6132):686–91

In situ analysis of neostriatal RNA and chromatin in Alzheimer's disease. Doebler JA, et al. **Neurology** 1987 Feb; 37(2):309–13

Characteristics of poly(A)-containing RNA from liver mitochondria of normal and adrenalectomized rats. Minchenko AG. **Neurosci Behav Physiol** 1986 Jul-Aug; 16(4):291–5

Unusual clustering of the genes for primer tRNAs for reverse transcription of retrotransposons in Drosophila. Saigo K. **Nucleic Acids Res** 1986 Dec 9;14(23):9526

Site-directed cleavage of RNA. Shibahara S, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4403–15

What's new in "in situ hybridization". Höfler H. **Pathol Res Pract** 1987 Jun;182(3):421–30 (87 ref.)

Contrasting levels of transferrin gene activity in cultured rat Sertoli cells and intact seminiferous tubules. Lee NT, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8177–81

Ionic strength dependence of nucleic acid absorbancies on paper disks. Brumfeld V. **Virologie** 1986 Jul-Sep; 37(3):219–22

Biochemical development of the rat lung: studies on cellular DNA, RNA and protein content in relation to maternal vitamin A status. Sharma HS, et al. **Z Ernahrungswiss** 1987 Jun;26(2):116–24

[Levels of DNA, RNA, protein and non-protein N in tissues of normally developed piglets and straddling piglets of very different birth weights. 3. Analyses of various skeletal muscles] Hillert S, et al. **Arch Exp Veterinarmed** 1987 Jan; 41(1):90–103 (Eng. Abstr.) **(Ger)**

[Levels of DNA, RNA, protein and non-protein N in tissues from normally developed piglets and straddling piglets of very different birth weights. 1. Results of analyses of the cerebrum, cerebellum, pons with the medulla oblongata and the spinal cord] Hillert S, et al. **Arch Exp Veterinarmed** 1987 Jan;41(1):65–77 (Eng. Abstr.) **(Ger)**

[Enzymatic properties of 2.5S RNA from the branching enzyme] Petrova AN, et al. **Dokl Akad Nauk SSSR** 1986; 289(5):1273–5 **(Rus)**

[Catalytic activity of the nucleic component of amylose isomerase in rabbit muscles] Shvedova TA, et al. **Dokl Akad Nauk SSSR** 1986;289(6):1514–6 **(Rus)**

[Cytophotometric analysis of the protein and nucleic acid content of the nucleus and cytoplasm of resting and proliferation-activated hepatocytes in the mouse] Selivanova GV, et al. **Tsitologiia** 1987 Feb;29(2):186–96 (Eng. Abstr.) **(Rus)**

[Peptide correction of memory disrupted by food deprivation in the rat] Tushmalova NA, et al. **Zh Vyssh Nerv Deiat** 1986 Sep-Oct;36(5):925–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Mechanism of the inhibitory effect of 11 beta-hydroxypregna-1, 4-diene-3, 20-dione (delta HOP) at high concentrations in RNA synthesis. González MD, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):303–12

Inhibition of RNA synthesis in mouse macrophages and lymphocytes by benzene and its metabolites. Kalf GF, et al. **Adv Exp Med Biol** 1986;197:675–90

Inhibition of overall protein and RNA synthesis as a mechanism for the tunicamycin induced decrease in cytochrome P-450 in rat hepatocytes. Singh Y, et al. **Biochem Int** 1986 Aug;13(2):213–20

Incorporation of nucleotide tracers into nucleic acids in permeabilized cells and cellular homogenates. Pawlak K, et al. **Biochem J** 1986 Aug 15;238(1):13–21

Skeletal muscle RNA synthesis following endurance and sprint exercise. Wilkinson JG, et al. **Biochem Med Metab Biol** 1986 Dec;36(3):293–9

A comparison of rapid adenine nucleotide incorporation into phosphoglyceroyl-ATP and into RNA-like species in perfused rat heart. Heyworth PG, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):158–62

Autoradiographic detection of the earliest stage of [3H]-uridine incorporation into the cow embryo. Camous S, et al. **Biol Cell** 1986;58(3):195–200

Effects of N-hydroxy-N'-aminoguanidine derivatives on ribonucleotide reductase activity, nucleic acid synthesis, clonogenicity, and cell cycle of L1210 cells. Weckbecker G, et al. **Cancer Res** 1987 Feb 15;47(4):975–8

Orotate uptake and metabolism in normal and neoplastic tissues. Lea MA, et al. **Comp Biochem Physiol [B]** 1987; 86(3):581–6

Alteration of RNA synthesis in vitro in intact cerebral cortex nuclei induced by convulsions in seizure-susceptible El mice. Yamagami S, et al. **Exp Neurol** 1987 Jan;95(1):167–77

Synthesis and turnover rates of four rat liver mitochondrial RNA species. Cantatore P, et al. **FEBS Lett** 1987 Mar 9; 213(1):144–8

Inhibition of RNA and DNA synthesis in Sertoli cells by co-culture with spermatogenic cells. Rivarola MA, et al. **Int J Androl** 1986 Dec;9(6):424–34

Variation of incorporation of [3H]orotic acid into the nucleotide and RNA fractions of different parts of the same liver lobe in the rat. Andersson M, et al. **Int J Biochem** 1987;19(8):745–8

Thiopyronine-sensitized photodynamic effect on cell growth, RNA and DNA synthesis of Chinese hamster ovary cells. Ehrlich W, et al. **Int J Radiat Biol** 1987 Aug;52(2):207–12

Specific inhibition of tobacco mosaic virus protein and single-stranded RNA synthesis by arabinofuranosyladenine. Dawson WO, et al. **Intervirology** 1986;26(3):149–55

Effect of testosterone on RNA and DNA synthesis in rat perineal muscle. Pizzichini M, et al. **Ital J Biochem** 1986 Sep–Oct;35(5):347–54

Effects of light deprivation on RNA synthesis, accumulation of guanosine 3'(2')-diphosphate 5'-diphosphate, and protein synthesis in heat-shocked Synechococcus sp. strain PCC 6301, a cyanobacterium. Surányi G, et al. **J Bacteriol** 1987 Feb;169(2):632–9

Errors from using 3H-labeled ribonucleoside triphosphates to monitor nuclear RNA synthesis in vitro. Yu FL, et al. **J Biochem Biophys Methods** 1986 Dec;13(6):333–42

Transcription initiation by RNA polymerase II in vitro. Properties of preinitiation, initiation, and elongation complexes. Cai H, et al. **J Biol Chem** 1987 Jan 5; 262(1):298–304

In vitro formation of a lariat structure containing a G2'-5'G linkage. Freyer GA, et al. **J Biol Chem** 1987 Mar 25; 262(9):4267–73

Transcription initiation by RNA polymerase II in vitro. At least two nucleotides must be added to form a stable ternary complex. Luse DS, et al. **J Biol Chem** 1987 Jan 5; 262(1):289–97

A simplified disc technique for quantitating mouse DNA, RNA and protein synthesis: circadian rhythms. Yoshino K, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):108–12

RNA synthesis in Leydig cells during sexual maturation in the rat: effect of LH. Valladares LE, et al. **J Endocrinol** 1986 Sep;110(3):551–6

Enhancement of in vitro ribonucleic acid synthesis on chromium(III)-bound chromatin. Ohba H, et al. **J Inorg Biochem** 1986 Jul;27(3):179–89

Ontogeny of glucose metabolism in sympathetic ganglia of chickens. Concurrence of maximum rates in the hexosemonophosphate shunt and in synthesis of lipids but not of ribonucleic acid. Larrabee MG. **J Neurochem** 1987 Feb;48(2):417–24

Alteration in the ribonucleic acids in rat liver induced by a methionine-free total parenteral nutrition solution. Aoi S, et al. **J Nutr** 1987 Apr;117(4):673–7

Activation of nucleolar and extranucleolar RNA synthesis and changes in the ribosomal content of human embryos developing in vitro. Tesařík J, et al. **J Reprod Fertil** 1986 Nov;78(2):463–70

RNA catalysis and the origins of life. Orgel LE. **J Theor Biol** 1986 Nov 21;123(2):127–49 (56 ref.)

The effect of soman poisoning on the rate of RNA synthesis in vivo and in isolated nuclei. Sevaljevic L, et al. **J Toxicol Clin Exp** 1986 Sep–Oct;6(5):297–305

5-Chloro-7-iodo-8-hydroxyquinoline (clioquinol) inhibits the nerve growth factor-induced stimulation of RNA synthesis in neonatal rat superior cervical ganglion, in vitro--comparison with effects of methylmercuric chloride and 4-hydroxyaminoquinoline-N-oxide. Hori S, et al. **J Toxicol Sci** 1987 May;12(2):97–109

Methylation of hepatitis B virus DNA and liver-specific suppression of RNA production in transgenic mouse. Yamamura K, et al. **Jpn J Cancer Res** 1987 Jul;78(7):681–8

DNA synthesis in promastigotes of Leishmania major and L. donovani. North TW, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):215–21

Effect of in vitro (ADP)ribosylation on transcription of the chromatin of the brain of developing rats. Das BR, et al. **Mol Biol Rep** 1987;12(1):43–7

RNA end-labeling and RNA ligase activities can produce a circular rRNA in whole cell extracts from trypanosomes. White TC, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3275–90

Cockayne syndrome with delayed recovery of RNA synthesis after ultraviolet irradiation but normal ultraviolet survival. Sugita K, et al. **Pediatr Res** 1987 Jan;21(1):34–7

Purkinje cell maturation in the light of RNA synthesis. Mareš V, et al. **Physiol Bohemoslov** 1987;36(3):225–32

Thyroliberin and other neurohormones have no detectable direct effect on RNA synthesis in isolated nuclei. Małagocka E, et al. **Pol J Pharmacol Pharm** 1986 Jan–Feb; 38(1):5–8

A human beta-actin expression vector system directs high-level accumulation of antisense transcripts. Gunning P, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4831–5

Cell biology of the neural circuit for steroid-dependent female reproductive behavior. Cohen RS. **Prog Brain Res** 1987;72:137–51 (66 ref.)

Autoradiography of 3H-uridine incorporation in the normal early blastocysts of cattle. Pivko J, et al. **Reprod Nutr Dev** 1986;26(4):1009–15

A mammalian mitochondrial RNA processing activity contains nucleus-encoded RNA. Chang DD, et al. **Science** 1987 Mar 6;235(4793):1178–84

Quantitative cytophotometric analysis of brain neuronal RNA and protein changes in acute T-2 mycotoxin poisoned rats. Martin LJ, et al. **Toxicon** 1986;24(9):933–41

[Effect of tyrosine on nucleic acid synthesis in the uterus, ovaries and testes in rats] Lai MX, et al. **Sheng Li Hsueh Pao** 1986 Jun;38(3):313–7 (Eng. Abstr.) **(Chi)**

[Effect of thyroidectomy on phosphorylative oxidation and RNA synthesis in various regions of the brain in the adult monkey] Dembri A. **C R Soc Biol (Paris)** 1986; 180(6):642–50 (Eng. Abstr.) **(Fre)**

[Changes in nucleic acid biosynthesis in the cerebral cortex in long-term hemorrhagic shock and in the post-resuscitation period] Kozhura VL. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

[RNA synthesis during neutrophil activation] Sarkisov DS, et al. **Arkh Patol** 1986;48(12):6–13 (Eng. Abstr.) **(Rus)**

[Effect of 8-Br-ATP and 8-Oxy-ATP on RNA synthesis by RNA polymerase from Escherichia coli] Kuriavyi VV, et al. **Biokhimiia** 1987 Jan;52(1):138–41 (Eng. Abstr.) **(Rus)**

[Effect of a medium with a low serum content on protein synthesis and secretion and RNA and DNA synthesis in a skin fibroblast culture from patients with rheumatoid arthritis and systemic scleroderma] Abakumova OIu, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):706–9 (Eng. Abstr.) **(Rus)**

[Characteristics of RNA and protein synthesis in the polymorphonuclear neutrophilic granulocytes of wounds] Uchaneishvili EK. **Biull Eksp Biol Med** 1987 Feb; 103(2):202–5 (Eng. Abstr.) **(Rus)**

[Repression of beta-galactosidase synthesis by isopropyl thiogalactoside by the induction of antisense RNAs] Iarchuk OB, et al. **Dokl Akad Nauk SSSR** 1986; 290(6):1499–502 **(Rus)**

[Effect of the neuropeptide ACTH 4-7 Pro-Gly-Pro on the conditioned reflex activity and metabolism of nucleic acids and proteins in the brain of young Atlantic salmon] Vitvitskaia LV, et al. **Dokl Akad Nauk SSSR** 1987; 292(4):1002–6 **(Rus)**

[Nucleic acids of the lymphoid cells of the pregnant rat subjected to space flight and its progeny] Komolova GS, et al. **Kosm Biol Aviakosm Med** 1987 May-Jun;21(3):66–9 (Eng. Abstr.) **(Rus)**

[Template-independent incorporation of nucleotides into low-molecular weight RNA in a cell-free system] Evtushenko VI, et al. **Mol Biol (Mosk)** 1986 Sep–Oct; 20(5):1281–9 (Eng. Abstr.) **(Rus)**

[Rearrangement of nucleoli in hepatocytes stimulated for proliferation and enhancement of their transcription function] Manteifel' VM, et al. **Mol Biol (Mosk)** 1987 Mar–Apr;21(2):403–13 (Eng. Abstr.) **(Rus)**

[Iron-sulfur respiratory chain centers, ribonucleotide reductase activity and biosynthesis of macromolecules in the spleen of mice during acute radiation injury] Avakian MA, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):626–30 (Eng. Abstr.) **(Rus)**

[Protein synthesis and secretion and RNA and DNA synthesis in human skin fibroblasts in a medium with a low serum content] Abakumova OIu, et al. **Tsitologiia** 1986 Sep; 28(9):1016–23 (Eng. Abstr.) **(Rus)**

[Regulation of RNA synthesis in the rat heart in L-thyroxine toxicosis and hypothyroidism; the role of RNA-polymerases and the template activity of chromatin] Karsanov NV, et al. **Ukr Biokhim Zh** 1986 Nov–Dec; 58(6):8–15 (Eng. Abstr.) **(Rus)**

[The role of cytoplasmatic factors in post-stress changes in the RNA synthesis in the heart and liver] Meerson FZ, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):90–3 (Eng. Abstr.) **(Rus)**

[Fibronectin fragmentation unmasks the activity stimulating DNA and RNA biosynthesis in granulation tissue cells in vitro] Zlatopol'skiĭ AD, et al. **Vopr Med Khim** 1987 Jan–Feb;33(1):116–8 (Eng. Abstr.) **(Rus)**

[Kinetin and the germinating capacity of Lupinus multilupa seeds] Morales C, et al. **Rev Esp Fisiol** 1987 Mar;43(1):87–93 (Eng. Abstr.) **(Spa)**

BLOOD

Circulating blood RNA in lung cancer. Behera D, et al. **J Assoc Physicians India** 1986 Aug;34(8):579–80

[Changes in the serum fraction composition of nucleic acids in radiation injuries. Alterations in an early period after gamma-irradiation of rats] Belokhvostov AS, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):505–10 (Eng. Abstr.) **(Rus)**

[Serum levels of nucleic acids of patients with chronic nonspecific diseases of the lungs and gastroduodenal ulcer] Dudchenko MA, et al. **Vrach Delo** 1987 Feb;(2):25–7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Polymer-supported RNA synthesis and its application to test the nearest-neighbor model for duplex stability. Kierzek R, et al. **Biochemistry** 1986 Dec 2;25(24):7840–6

Synthesis of highly radioactively labelled RNA hybridization probes from synthetic single stranded DNA oligonucleotides. Wölfl S, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):858

DRUG EFFECTS

Modifications of nucleic acids in mice injected with endotoxin of Escherichia coli. Advantages of corticotherapy. López-Muñiz A, et al. **Arch Invest Med (Mex)** 1986 Jan–Mar;17(1):11–23 **(Eng, Spa)**

Distribution of DNA and RNA content in the bone marrow and alveolar macrophages of rats after subchronic inhalation of formaldehyde. Dallas CE, et al. **Environ Res** 1987 Jun;43(1):191–202

Metallothionein protein variants generated in rat liver as a result of DNA and RNA ethylations by the carcinogen diethylnitrosamine. Jauch A, et al. **Mutat Res** 1986 Dec; 164(6):361–7

[Effect of polymer-immobilized cortisol on 3H-uridine incorporation into the thymocyte RNA of rats] Kalinin GV, et al. **Farmakol Toksikol** 1987 May-Jun;50(3):64–6 (Eng. Abstr.) **(Rus)**

[Characteristics of hydrocortisone action on the biosynthesis of mitochondrial and cytoplasmic RNA in rat liver cells at different thyroid hormone levels in the body] Minchenko AG. **Farmakol Toksikol** 1987 Mar–Apr;50(2):71–3 (Eng. Abstr.) **(Rus)**

GENETICS

Localization of somatostatin mRNA in the gut, pancreas and thyroid gland of the rat using antisense RNA probes for in situ hybridization. Höfler H, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:101–5

Discontinuous RNA synthesis through trans-splicing. Braun R. **Bioessays** 1986 Nov;5(5):223–7

On the primacy of primordial RNA. Cedergren R, et al. **Biosystems** 1987;20(2):175–80

Phenocopies induced with antisense RNA identify the wingless gene. Cabrera CV, et al. **Cell** 1987 Aug 14; 50(4):659–63

A potential role for RNA transcribed from B2 repeats in the regulation of mRNA stability. Clemens MJ. **Cell** 1987 Apr 24;49(2):157–8

Self-cleavage of plus and minus RNAs of a virusoid and a structural model for the active sites. Forster AC, et al. **Cell** 1987 Apr 24;49(2):211–20

An inversion that disrupts the Antennapedia gene causes abnormal structure and localization of RNAs. Frischer LE, et al. **Cell** 1986 Dec 26;47(6):1017–23

Negative supercoiling is not required for 5S RNA transcription in vitro [letter] Wolffe AP, et al. **Cell** 1987 May 8;49(3):301–3

Proto-oncogene c-myc is expressed in cerebellar neurons at different developmental stages. Ruppert C, et al. **EMBO J** 1986 Aug;5(8):1897–901

Isolation of a cDNA copy of an RNA species expressed in murine pre-B cells. Sakaguchi N, et al. **EMBO J** 1986 Sep; 5(9):2139–47

VH gene family utilization in colonies derived from B and pre-B cells detected by the RNA colony blot assay. Wu GE, et al. **EMBO J** 1986 Dec 20;5(13):3475–81

Reduction of EGF receptor synthesis by antisense RNA vectors. Hunts J, et al. **FEBS Lett** 1986 Oct 6;206(2):319–22

Cloning of Alu-containing cDNAs from human fibroblasts and identification of small Alu+ poly(A)+ RNAs in a variety of human normal and tumor cells. Limborska SA, et al. **FEBS Lett** 1987 Feb 23;212(2):208–12

Lack of synthesis of pentamer IgM in Xenopus oocytes after injection of poly(A)+ RNA from hybridoma cells. Lipoldová M, et al. **Folia Biol (Praha)** 1987;33(2):81–6

Replication of the bovine papillomavirus type 1 genome; antisense transcripts prevent episomal replication. Bergman P, et al. **Gene** 1986;50(1-3):185–93

Construction of a cDNA library from polyadenylated RNA of Bacillus subtilis and the determination of some 3'-terminal sequences. Karnik P, et al. **Gene** 1986; 49(1):161–5

Developmentally regulated RNA transcripts coding for alcohol dehydrogenase in Drosophila affinidisjuncta. Rowan RG, et al. **Genetics** 1986 Oct;114(2):405–33

Function of micF as an antisense RNA in osmoregulatory expression of the ompF gene in Escherichia coli. Aiba H, et al. **J Bacteriol** 1987 Jul;169(7):3007–12

Activities of the RNAI and RNAII promoters of plasmid pBR322. Lin-Chao S, et al. **J Bacteriol** 1987 Mar; 169(3):1217–22

Antisense oligodeoxynucleotides provide insight into mechanism of translation initiation of two Sendai virus mRNAs. Gupta KC. **J Biol Chem** 1987 Jun 5; 262(16):7492–6

Vasoactive intestinal peptide gene: putative mechanism of information storage at the RNA level. Gozes I, et al. **J Neurochem** 1987 Apr;48(4):1136–41

Isolation of novel human retrovirus-related sequences by hybridization to synthetic oligonucleotides complementary to the tRNA(Pro) primer-binding site. Kröger B, et al. **J Virol** 1987 Jul;61(7):2071–5

Differential mitochondrial gene expression between slender and stumpy bloodforms of Trypanosoma brucei. Feagin JE, et al. **Mol Biochem Parasitol** 1986 Sep;20(3):207–14

A mechanism by which adenovirus virus-associated RNAI controls translation in a transient expression assay. Akusjärvi G, et al. **Mol Cell Biol** 1987 Jan;7(1):549–51

Differential order of replication of Xenopus laevis 5S RNA genes. Guinta DR, et al. **Mol Cell Biol** 1986 Jul; 6(7):2536–42

Nonmuscle and muscle tropomyosin isoforms are expressed from a single gene by alternative RNA splicing and polyadenylation. Helfman DM, et al. **Mol Cell Biol** 1986 Nov;6(11):3582–95

Isolation of the oncogene and epidermal growth factor-induced transin gene: complex control in rat fibroblasts. Matrisian LM, et al. **Mol Cell Biol** 1986 May; 6(5):1679–86

4.5S RNA is encoded by hundreds of tandemly linked genes, has a short half-life, and is hydrogen bonded in vivo to

poly(A)-terminated RNAs in the cytoplasm of cultured mouse cells. Schoeniger LO, et al. **Mol Cell Biol** 1986 May; 6(5):1508–19

Inhibition of retroviral replication by anti-sense RNA. To RY, et al. **Mol Cell Biol** 1986 Dec;6(12):4758–62

An alternative view of the origin of life [letter] Mehta NG. **Nature** 1986 Dec 4–10;324(6096):415–6

Back to the RNA world—and beyond [news] North G. **Nature** 1987 Jul 2–8;328(6125):18–9

The isolation and characterization of RNA coded by the micF gene in Escherichia coli. Andersen J, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2089–101

A sensitive technique for detection of RNA with single-stranded probes. Boyer PD. **Nucleic Acids Res** 1986 Sep 25;14(18):7505

Nucleotide sequence and newly formed phosphodiester bond of spontaneously ligated satellite tobacco ringspot virus RNA. Buzayan JM, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9729–43

Discrete high molecular weight RNA transcribed from the long interspersed repetitive element L1Md. Dudley JP. **Nucleic Acids Res** 1987 Mar 25;15(6):2581–92

Loss of (2'-5')oligoadenylate synthetase activity by production of antisense RNA results in lack of protection by interferon from viral infections. De Benedetti A, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):658–62

Neural BC1 RNA: cDNA clones reveal nonrepetitive sequence content [published erratum appears in Proc Natl Acad Sci USA 1987 Jul;84(14):4895] DeChiara TM, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2624–8

Engineered defective interfering RNAs of Sindbis virus express bacterial chloramphenicol acetyltransferase in avian cells. Levis R, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4811–5

The lethal yellow allele-associated provirus results in the production of chimeric viral-host RNAs. Lovett M, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2853–7

A low-molecular-weight RNA from mouse ascites cells that hybridizes to both 18S rRNA and mRNA sequences. Maxwell ES, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7261–6

Antibodies to the binding site of the receptor for luteinizing hormone-releasing hormone (LHRH): generation with a synthetic decapeptide encoded by an RNA complementary to LHRH mRNA. Mulchahey JJ, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9714–8

Hereditary thrombophilia: identification of nonsense and missense mutations in the protein C gene. Romeo G, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2829–32

RNA complementary to a herpesvirus alpha gene mRNA is prominent in latently infected neurons. Stevens JG, et al. **Science** 1987 Feb 27;235(4792):1056–9

[Recombinant RNA and its replication] Hulanicka D. **Postepy Biochem** 1985;31(3–4):589–91 **(Pol)**

[Anty-sense RNA, a new mechanism regulating gene expression] Hulanicka D. **Postepy Biochem** 1985; 31(3–4):585–7 **(Pol)**

[Possible enzymatic role of imported tRNA1Lys during splicing of mitochondrial transcripts in yeasts] Soldla TR. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):1034–8 (Eng. Abstr.) **(Rus)**

["Antisense" RNA]Vlasov VV, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):28–32 (16 ref.) (Eng. Abstr.) **(Rus)**

[Effect of thyroid hormones on the expression of mitochondrial genes in liver cells of thyroidectomized rats] Minchenko AG. **Probl Endokrinol (Mosk)** 1987 Jan–Feb; 33(1):48–51 (Eng. Abstr.) **(Rus)**

[Detection of the tick-borne encephalitis virus in human blood and in individual ticks by molecular nucleic acid hybridization] Dobrikova EIu, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):739–42 **(Rus)**

[Effect of RNA nucleotides on Shigella biology] Zemskov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):18–20 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoactivity of antibacterial immune-RNA and its clinical application. Yang MJ, et al. **Chin Med J [Engl]** 1986 Jul;99(7):587–91

The RNA binding subset of adenosine antibodies. Raju R, et al. **Immunol Invest** 1986 Aug;15(5):405–17

Characterization of human autoantibodies that selectively precipitate the 7SL RNA component of the signal recognition particle. Okada N, et al. **J Immunol** 1987 May 15;138(10):3219–23

Generation of idiotypic and anti-idiotypic antibodies by immunization with peptides encoded by complementary RNA: a possible molecular basis for the network theory. Smith LR, et al. **J Immunol** 1987 Jan 1;138(1):7–9

Engineering of the mRNA-interfering complementary RNA immune system against viral infection. Hirashima A, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7726–30

Human autoantibodies reactive with the signal-recognition particle. Reeves WH, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9507–11

[Experimental observations on the efficacy of specific transfer factor and immuno-ribonucleic acid against schistosome infection] Zhang SH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):39–41 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. Chomczynski P, et al. **Anal Biochem** 1987 Apr;162(1):156–9

Improved method for the isolation of RNA from plant tissues. Logemann J, et al. **Anal Biochem** 1987 May 15;163(1):16–20

Use of sodium trichloroacetate and mung bean nuclease to increase sensitivity and precision during transcript mapping. Murray MG. **Anal Biochem** 1986 Oct; 158(1):165–70

Simultaneous isolation of preparative amounts of RNA and DNA from Trichinella spiralis by cesium trifluoroacetate isopycnic centrifugation. Zarlenga DS, et al. **Anal Biochem** 1987 May 1;162(2):569–74

An inhibitor RNA of translation from barley embryo. Gunnery S, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):383–8

Isotachophoretic and HPLC determination of nucleotides in rat liver cell nuclei isolated by non-aqueous technique. Andersson M, et al. **Int J Biochem** 1987;19(7):641–7

Resolution of RNA using high-performance liquid chromatography. McLaughlin LW, et al. **J Chromatogr** 1987 Jul 17;418:51–72 (72 ref.)

Plant small nuclear RNAs. II. U6 RNA and a 4.5SI-like RNA are present in plant nuclei. Kiss T, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):543–60

Selective enrichment of specific DNA, cDNA and RNA sequences using biotinylated probes, avidin and copper-chelate agarose. Welcher AA, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10027–44

[Isolation of single-stranded DNA, double-stranded RNA-DNA hybrid with anti-nucleic acid antibody coupled affinity column] Kitagawa. **Tanpakushitsu Kakusan Koso** 1986 Sep;31(11):1099–104 **(Jpn)**

[Isolation, characterization and in vitro translation of RNA from clones of Entamoeba histolytica deficient in adhesion] Leyva-Leyva M, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:155–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Cosinor analysis of the seasonal changes in the cytoplasmic RNA level in the neurons of preoptic nucleus in Rana temporaria L. under the ultrasound energy. Lach H, et al. **Acta Biol Hung** 1985;36(3–4):287–93

Failure to demonstrate intestinal absorption of RNA in the newborn pig. Preliminary communication. Baintner K, et al. **Acta Vet Hung** 1986;34(3–4):239–41

Spaceflight effects on adult rat muscle protein, nucleic acids, and amino acids. Steffen JM, et al. **Am J Physiol** 1986 Dec; 251(6 Pt 2):R1059–63

4-Thiouridine photosensitized RNA-protein crosslinking in mammalian cells. Favre A, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):847–54

Hepatic DNA and RNA adduct formation from the carcinogen 7-hydroxymethyl-12-methylbenz[a]anthracene and its electrophilic sulfuric acid ester metabolite in preweanling rats and mice. Surh YJ, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):576–82

Properties of an intermediate-sized androgen receptor: association with RNA. Rowley DR, et al. **Biochemistry** 1986 Nov 4;25(22):6988–95

The Tetrahymena intervening sequence ribonucleic acid enzyme is a phosphotransferase and an acid phosphatase. Zaug AJ, et al. **Biochemistry** 1986 Aug 12;25(16):4478–82

Human SS-B/LA autoantigen contains a covalent protein-RNA linkage. Thomas L, et al. **Biochim Biophys Acta** 1987 Aug 25;909(3):173–82

The ability to convert the 4 S glucocorticoid receptor to the 7–8 S form is dependent on both RNA and protein factors. Tymoczko JL, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):114–21

Catalysis by RNA. Waugh DS, et al. **Bioessays** 1986 Feb; 4(2):56–61

Effects of 3'-methyl-4-dimethylaminoazobenzene on RNA processing in rat liver nuclei. Antoniades D, et al. **Carcinogenesis** 1987 Aug;8(8):1039–42

Hepatocarcinogen-induced alterations in nuclear RNA compartmentation. Clawson GA, et al. **Carcinogenesis** 1987 Sep;8(9):1235–8

Selection of circularization sites in a group I IVS RNA requires multiple alignments of an internal template-like sequence. Been MD, et al. **Cell** 1987 Sep 11;50(6):951–61

Self-cleaving transcripts of satellite DNA from the newt. Epstein LM, et al. **Cell** 1987 Feb 13;48(3):535–43

Quantitation of mitochondrial RNA species during rat liver development: the concentration of cytochrome oxidase subunit I (CoI) mRNA increases at birth. Cantatore P, et al. **Cell Differ** 1986 Sep;19(2):125–32

Reaction of malonaldehyde with nucleic acid. III. Studies of the fluorescent substances released by enzymatic digestion of nucleic acids modified with malonaldehyde. Seto H, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec; 34(12):5079–85

Ribonucleic acid turnover in man:RNA catabolites in urine as measure for the metabolism of each of the three major species of RNA. Sander G, et al. **Clin Sci** 1986 Oct; 71(4):367–74

The induction of the human T-cell growth factor receptor precedes the production of RNA and occurs in the presence of inhibitors of RNA synthesis. Redelman D, et al. **Cytometry** 1986 Sep;7(5):453–62

Messenger RNA content and complexity in normal and overloaded rat heart. de la Bastie D, et al. **Eur J Clin Invest** 1987 Jun;17(3):194–201

A 5 S rRNA-like secondary structure in the 7 SL RNA may define a ribosomal binding site of the signal recognition particle. Boehm S. **FEBS Lett** 1987 Feb 9;212(1):15–20

Yeast ribonuclease H(70) cleaves RNA-DNA junctions. Karwan R, et al. **FEBS Lett** 1986 Oct 6;206(2):189–92

Effect of methotrexate (MTX) on the testicular proteins, DNA and RNA of Mus musculus. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):314–21

Multiple class I molecules generated from single genes by alternative splicing of pre-mRNAs. Lew AM, et al. **Immunol Res** 1987;6(1–2):117–32 (68 ref.)

Evidence for the discrete synthesis of poly A+ RNA and new polypeptides in gamma-irradiated potato bud tissue in comparison with wounding-induced synthesis. Ussuf KK, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):162–6

The assembly of the DNA complex present in chick embryo cell cytosol. Challen C, et al. **Int J Biochem** 1987; 19(3):235–43

Alu RNA transcribed in vitro binds the 68-kDa subunit of the signal recognition particle. Andrews PG, et al. **J Biol Chem** 1987 Feb 25;262(6):2908–12

Purification of a RNA debranching activity from HeLa cells. Arenas J, et al. **J Biol Chem** 1987 Mar 25;262(9):4274–9

RNA contacts subunits IIo and IIc in HeLa RNA polymerase II transcription complexes. Bartholomew B, et al. **J Biol Chem** 1986 Oct 25;261(30):14226–31

RNA binding fragments from nucleolin contain the ribonucleoprotein consensus sequence. Bugler B, et al. **J Biol Chem** 1987 Aug 15;262(23):10922–5

Interactions of retroviral structural proteins with single-stranded nucleic acids. Karpel RL, et al. **J Biol Chem** 1987 Apr 15;262(11):4961–7

Induction of surfactant protein in fetal lung. Effects of cAMP and dexamethasone on SAP-35 RNA and synthesis. Whitsett JA, et al. **J Biol Chem** 1987 Apr 15; 262(11):5256–61

Glucocorticoid agonists as well as antagonists are effective inducers of mouse mammary tumor virus RNA in mouse mammary tumor cells treated with inhibitors of ADP-ribosylation. Johnson GS, et al. **J Cell Physiol** 1986 Oct;129(1):36–42

Exposure to caffeine and suppression of DNA replication combine to stabilize the proteins and RNA required for premature mitotic events. Schlegel R, et al. **J Cell Physiol** 1987 Apr;131(1):85–91

Organ distribution of apolipoprotein gene transcripts in 6–12 week postfertilization human embryos. Hopkins B, et al. **J Embryol Exp Morphol** 1986 Sep;97:177–87

Anti-sense RNA injections in fertilized eggs as a test for the function of localized mRNAs. Melton DA, et al. **J Embryol Exp Morphol** 1986 Oct;97 Suppl:211–21

Lunar cycles of coho salmon, Oncorhynchus kisutch. II. Scale amino acid uptake, nucleic acids, metabolic reserves and plasma thyroid hormones. Farbridge KJ, et al. **J Exp Biol** 1987 May;129:179–89

The triple helix: a potential mechanism for gene regulation. Minton KW. **J Exp Pathol** 1985 Fall;2(3):135–48

RNA, DNA, and cell surface characteristics of lesional and nonlesional psoriatic skin. Staiano-Coico L, et al. **J Invest Dermatol** 1987 May;88(5):646–51

Decreased transcription of neuronal polyadenylated RNA during senescence in nuclei from rat brain cortex. Lindholm DB. **J Neurochem** 1986 Nov;47(5):1503–6

Neuronal RNA in relation to neuronal loss and neurofibrillary pathology in the hippocampus in Alzheimer's disease [letter] Hartmann HA. **J Neuropathol Exp Neurol** 1987 Jul;46(4):507

Sodium molybdate converts the RNA-associated transformed, oligomeric form of the glucocorticoid receptor into the transformed, monomeric form. Kasayama S, et al. **J Steroid Biochem** 1987 Jul;28(1):1–8

Quantitative ultrastructural autoradiographic study of RNA transport in rat ventral prostate. Carmo-Fonseca M. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):63–76

DNA sequences downstream of the adenovirus type 2 fiber polyadenylation site contain transcription termination signals. Dressler GR, et al. **J Virol** 1987 Sep;61(9):2770–6

Effects of fetal thyroid states on RNA, DNA, and tubulin content in neonatal rat brain. Takahashi T. **Jpn J Physiol** 1987;37(2):255–65

Brain-specific small RNA during development and ageing of mice. Anzai K, et al. **Mech Ageing Dev** 1987 Jul; 39(2):129–35

Occurrence of a 6S intermediate form of the progesterone receptor that is sensitive to ribonuclease. Lamb DJ, et al. **Mol Cell Biochem** 1987 Jan;73(1):77–84

The small nuclear ribonucleoprotein SS-B/La binds RNA with a conserved protease-resistant domain of 28 kilodaltons. Chan EK, et al. **Mol Cell Biol** 1987 Jul; 7(7):2588–91

RNA turnover in Trypanosoma brucei. Ehlers B, et al. **Mol Cell Biol** 1987 Mar;7(3):1242–9

The last ribo-organism [letter] Benner SA, et al. **Nature** 1987 Sep 24–30;329(6137):295–6

Unusual priming mechanism of RNA-directed DNA synthesis in copia retrovirus-like particles of Drosophila. Kikuchi Y, et al. **Nature** 1986 Oct 30–Nov 5; 323(6091):824–6

Total and poly(A) RNA yields during an aluminum encephalopathy in rabbit brains. VanBerkum MF, et al. **Neurochem Res** 1986 Sep;11(9):1347–59

Catalytic activity of the nucleic acid component of the 1,4–alpha–glucan branching enzyme from rabbit muscles. Shvedova TA, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1745–52

Single base bulges in small RNA hairpins enhance ethidium binding and promote an allosteric transition. White SA, et al. **Nucleic Acids Res** 1987 May 26;15(10):4049–64

Preferential excision of the 5' proximal intron from mRNA precursors with two introns as mediated by the cap structure. Ohno M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5187–91

Cytoplasmic Z–RNA. Zarling DA, et al.
Proc Natl Acad Sci USA 1987 Sep;84(17):6117–21

Transcriptional and translational regulatory mechanisms during normal aging of the mammalian brain and in Alzheimer's disease. Marotta CA, et al. **Prog Brain Res** 1986;70:303–20 (91 ref.)

RNA as an enzyme. Cech TR. **Sci Am** 1986 Nov;255(5):64–75

Mechanisms of action of 5–fluorouracil on metabolism of RNA in special reference to polysome of L1210 cells. Sato T, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1986 Dec; 33(1–4):33–7

Efficient trans–splicing of a yeast mitochondrial RNA group II intron implicates a strong 5' exon–intron interaction. Jacquier A, et al. **Science** 1986 Nov 28;234(4780):1099–104

Polypeptide sequences essential for RNA recognition by an enzyme. Regan L, et al. **Science** 1987 Mar 27; 235(4796):1651–3

Nucleic acid–binding activities of the intermediate filament subunit proteins desmin and glial fibrillary acidic protein. Vorgias CE, et al. **Z Naturforsch [C]** 1986 Sep–Oct; 41(9–10):897–909

[Effect of the administration of sodium nitrite and amidopyrine on the nucleic acid levels in the rat liver] Urbanek–Karlowska B, et al. **Rocz Panstw Zakl Hig** 1986; 37(3):228–34 (Eng. Abstr.) **(Pol)**

[Quantification of nucleic acids in the liver of neonates during the postnatal period] Lauko L. **Bratisl Lek Listy** 1987 Feb; 87(2):148–60 (Eng. Abstr.) **(Slo)**

[Changes in the metabolism of muscle RNA in rats given a high protein diet] Muñoz–Martínez E, et al.
Rev Esp Fisiol 1987 Mar;43(1):57–61 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Interaction of tyrosine hydroxylase with ribonucleic acid and purification with DNA–cellulose or poly(A)–sepharose affinity chromatography. Nelson TJ, et al.
Arch Biochem Biophys 1987 Aug 15;257(1):69–84

Antisense RNA to the c–fos gene: restoration of density–dependent growth arrest in a transformed cell line. Mercola D, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):288–94

Antisense RNA injections in fertilized frog eggs reveal an RNA duplex un unwinding activity. Rebagliati MR, et al. **Cell** 1987 Feb 27;48(4):599–605

Short–term rescue by RNA injection of a mitotic arrest mutation that affects the preimplantation mouse embryo. Yee D, et al. **Dev Biol** 1987 Jul;122(1):256–61

Regulation of pp60c–src synthesis by inducible RNA complementary to c–src mRNA in polyomavirus–transformed rat cells. Amini S, et al.
Mol Cell Biol 1986 Jul;6(7):2305–16

Suppression of endo B cytokeratin by its antisense RNA inhibits the normal coexpression of endo A cytokeratin. Trevor K, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):1040–4

Stable repression of ribosomal protein L1 synthesis in Xenopus oocytes by microinjection of antisense RNA. Wormington WM. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8639–43

Xenopus oocytes injected with rat uterine RNA express very slowly activating potassium currents. Boyle MB, et al.
Science 1987 Mar 6;235(4793):1221–4

PHYSIOLOGY

Study of ansamycin inhibition of a ribonucleic acid–directed deoxyribonucleic acid polymerase by an immobilized template assay. Milavetz BI, et al.
Antimicrob Agents Chemother 1978 Mar;13(3):435–40

RADIATION EFFECTS

[The role of protons in a medium in gamma–radiation–induced damage of nucleic acids] Shabarchina LI, et al. **Radiobiologiia** 1987 Jul–Aug; 27(4):440–5 (Eng. Abstr.) **(Rus)**

SECRETION

Effect of prolactin and androgens on the prostate of bonnet monkeys, Macaca radiata: I. Nucleic acids, phosphatases, and citric acid. Arunakaran J, et al. **Prostate** 1987; 10(3):265–73

THERAPEUTIC USE

[Treatment of fatty degeneration of liver cells in rats with RNA and hepatoamine] Yang GY.
Chung Hua I Hsueh Tsa Chih 1986 Nov;66(11):662–4 (Eng. Abstr.) **(Chi)**

URINE

Effect of transplanted osteogenic sarcoma on urinary RNA catabolites. Lin W, et al. **Cancer Lett** 1987 Apr;35(1):47–57

RNA, BACTERIAL

Variable base pairing in a helix of eubacterial 5 S ribosomal RNA points to the existence of a conformational switch. Van den Eynde H, et al. **FEBS Lett** 1987 Jun 15; 217(2):191–6

Evolutionary relationship of denitrifying bacteria as deduced from 5S rRNA sequences. Ohkubo S, et al.
J Biochem (Tokyo) 1986 Nov;100(5):1261–7

Interconversion of active and inactive 30 S ribosomal subunits is accompanied by a conformational change in the decoding region of 16 S rRNA. Moazed D, et al.
J Mol Biol 1986 Oct 5;191(3):483–93

Investigation of the tertiary folding of Escherichia coli ribosomal RNA by intra–RNA cross–linking in vivo. Stiege W, et al. **J Mol Biol** 1986 Sep 5;191(1):135–8

Does 5S RNA from E. coli have a pseudoknotted structure? Göringer HU, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7473–85

[Studies on the method of nucleic acid precipitation with metallic ions] Zhou XZ, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1986 Dec; 8(6):490–3 (Eng. Abstr.) **(Chi)**

[DNA replication regulated by RNA structural change] Tomizawa J. **Tanpakushitsu Kakusan Koso** 1986 Sep; 31(11):1078–93 (16 ref.) **(Jpn)**

ANALYSIS

Microbial ecology and evolution: a ribosomal RNA approach. Olsen GJ, et al. **Annu Rev Microbiol** 1986; 40:337–65 (101 ref.)

Nucleotide sequence of 5S ribosomal ribonucleic acid from a sulfate–reducing bacterium, Desulfovibrio vulgaris. Miura K, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4190–4

Immunological capture of nucleic acid hybrids and application to nonradioactive DNA probe assay. Rashtchian A, et al. **Clin Chem** 1987 Sep;33(9):1526–30

Multiple crosslinks of proteins S7 and S9 to domains 3 and 4 of 16S ribosomal RNA in the Escherichia coli 30S particle. Chiaruttini C, et al. **Eur J Biochem** 1986 Oct 15; 160(2):363–70

Oxygen–regulated mRNAs for light–harvesting and reaction center complexes and for bacteriochlorophyll and carotenoid biosynthesis in Rhodobacter capsulatus during the shift from anaerobic to aerobic growth. Zhu YS, et al. **J Bacteriol** 1986 Dec;168(3):1180–8

Hydrophobic interaction chromatography of incompletely methylated transfer RNA from Escherichia coli on octyl–sepharose. Sindhuphak T, et al. **J Chromatogr** 1986 Oct 10;368(1):113–24

Retrospective study of Gen–Probe rapid diagnostic system for detection of legionellae in frozen clinical respiratory tract samples. Edelstein PH, et al. **J Clin Microbiol** 1987 Jun;25(6):1022–6

Messenger ribonucleic acid for the lipoprotein of the Escherichia coli outer membrane is polyadenylated. Taljanidisz J, et al. **J Mol Biol** 1987 Feb 5;193(3):507–15

RNA–protein cross–linking in Escherichia coli 30S ribosomal subunits; determination of sites on 16S RNA that are cross–linked to proteins S3, S4, S7, S9, S10, S11, S17, S18 and S21 by treatment with bis–(2–chloroethyl)–methylamine. Greuer B, et al.
Nucleic Acids Res 1987 Apr 24;15(8):3241–55

RNA–protein cross–linking in Escherichia coli 30S ribosomal subunits; determination of sites on 16S RNA that are cross–linked to proteins S3, S4, S5, S7, S8, S9, S11, S13, S19 and S21 by treatment with methyl p–azidophenyl acetimidate. Osswald M, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3221–40

[Similarity of Vibrio alginolyticus, V. cholerae and other Vibrio species with respect to the structure of their flagellar apparatus and ribosomal 5S–RNA] Bakeeva LE, et al.
Biokhimiia 1987 Jan;52(1):8–14 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis of an mRNA fragment of alanyl–tRNA synthetase gene in Escherichia coli using the 6–methyl–3–pyridyl group for protection of the imide functions of uridine and guanosine. Welch CJ, et al. **Acta Chem Scand [B]** 1986 Nov;40(10):817–25

Protein and RNA synthesis by isolated Rickettsia prowazekii. Winkler HH. **Infect Immun** 1987 Sep;55(9):2032–6

Effect of iron on accumulation of exotoxin A–specific mRNA in Pseudomonas aeruginosa. Lory S. **J Bacteriol** 1986 Dec; 168(3):1451–6

Heat shock regulatory gene rpoH mRNA level increases after heat shock in Escherichia coli. Tilly K, et al.
J Bacteriol 1986 Dec;168(3):1155–8

Synthesis of poly(A)+–containing RNA during growth in Escherichia coli relA+ and relA– strains. Hanschke R, et al. **J Basic Microbiol** 1986;26(6):317–22

Synthesis of spoIIA and spoVA mRNA in Bacillus subtilis. Savva D, et al. **J Gen Microbiol** 1986 Nov;132 (Pt 11):3005–11

The inhibitory effect of rhodamine 123 on DNA and RNA synthesis of E. coli in vitro. Lameh J, et al.
Proc West Pharmacol Soc 1987;30:103–7

[Distribution of enzymes of nucleic acid biosynthesis and their precursors during fractionation of Escherichia coli MRE–600 extract] Khomov VV, et al.
Prikl Biokhim Mikrobiol 1987 Mar–Apr;23(2):179–84 (Eng. Abstr.) **(Rus)**

GENETICS

Processing and decay of RNA in Escherichia coli: the chicken and egg problem. Apirion D, et al.
Biochem Soc Trans 1986 Oct;14(5):807–10

Accessibility of the leading end of ribonucleic acid in transcription complexes. Bernhard SL, et al.
Biochemistry 1986 Oct 21;25(21):6397–404

Branched RNA covalently linked to the 5' end of a single–stranded DNA in Stigmatella aurantiaca: structure of msDNA. Furuichi T, et al. **Cell** 1987 Jan 16;48(1):47–53

Stabilization of translationally active mRNA by prokaryotic REP sequences. Newbury SF, et al. **Cell** 1987 Jan 30; 48(2):297–310

A replication origin is turned off by an origin–"silencer" sequence. Patel I, et al. **Cell** 1986 Dec 5;47(5):785–92

Mutations affecting two distinct functions of the RNA component of RNase P. Shiraishi H, et al. **EMBO J** 1986 Dec 20;5(13):3673–9

The characterization of terminators of RNA transcription on IS30 and an analysis of their role in IS element–mediated polarity. Dalrymple B, et al. **Gene** 1986;44(1):1–10

RNA colony hybridization method. Ivanov I, et al. **Gene** 1986;46(2–3):287–90

Function of micF as an antisense RNA in osmoregulatory expression of the ompF gene in Escherichia coli. Aiba H, et al. **J Bacteriol** 1987 Jul;169(7):3007–12

In vivo translation of a region within the rrnB 16S rRNA gene of Escherichia coli. Berg KL, et al. **J Bacteriol** 1987 Apr;169(4):1691–701

Identification of the RNA products of the ops gene of Myxococcus xanthus and mapping of ops and tps RNAs. Downard JS. **J Bacteriol** 1987 Apr;169(4):1522–8

Activities of the RNAI and RNAII promoters of plasmid pBR322. Lin–Chao S, et al. **J Bacteriol** 1987 Mar; 169(3):1217–22

Spot 42 RNA of Escherichia coli is not an mRNA. Rice PW, et al. **J Bacteriol** 1987 Aug;169(8):3850–2

Detection of heat–stable enterotoxigenic Escherichia coli by hybridization with an RNA transcript probe. Chityothin O, et al. **J Clin Microbiol** 1987 Aug;25(8):1572–3

Site–directed mutagenesis of M1 RNA, the RNA subunit of Escherichia coli ribonuclease P. The effects of an addition and small deletions on catalytic function. Lawrence NP, et al. **J Mol Biol** 1986 Sep 20;191(2):163–75

A stressed intermediate in the formation of stably initiated RNA chains at the Escherichia coli lac UV5 promoter. Straney DC, et al. **J Mol Biol** 1987 Jan 20;193(2):267–78

Actions of the anticodon arm in translation on the phenotypes of RNA mutants. Yarus M, et al. **J Mol Biol** 1986 Nov 20;192(2):235–55

Coevolution of codon usage and transfer RNA abundance. Bulmer M. **Nature** 1987 Feb 19–25;325(6106):728–30

Copy–number of broad host–range plasmid R1162 is regulated by a small RNA. Kim K, et al.
Nucleic Acids Res 1986 Oct 24;14(20):8027–46

Gene organization, transcription signals and processing of the single ribosomal RNA operon of the archaebacterium Thermoproteus tenax. Kjems J, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4821–35

Nucleotide sequence of the 16S rRNA of Mycoplasma hyopneumoniae. Taschke C, et al. **Nucleic Acids Res** 1987 May 11;15(9):3918

The sequence of the 6S RNA gene of Pseudomonas aeruginosa. Vogel DW, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4583–91

Specialized ribosome system: preferential translation of a single mRNA species by a subpopulation of mutated ribosomes in Escherichia coli. Hui A, et al.
Proc Natl Acad Sci USA 1987 Jul;84(14):4762–6

A single base change in the Shine–Dalgarno region of 16S rRNA of Escherichia coli affects translation of many proteins. Jacob WF, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4757–61

[Phylogeny of bacteria of the genus Legionella studied by determining the nucleotide sequence of 5S ribosomal RNA] Chumakov KM, et al. **Mol Gen Mikrobiol Virusol** 1986 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

METABOLISM

Organothallium(III) reagents for modification of biomacromolecules: interaction of thallium derivatives with transfer RNA. Baindur SR, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):66–73

Construction and functional analysis of ribosomal 5S RNA from Escherichia coli with single base changes in the ribosomal protein binding sites. Göringer HU, et al.
Biol Chem Hoppe Seyler 1986 Aug;367(8):769–80

Biosynthesis and structure of stable branched RNA covalently linked to the 5'end of multicopy single–stranded DNA of Stigmatella aurantiaca. Furuichi T, et al. **Cell** 1987 Jan 16;48(1):55–62

Control of ColE1 plasmid replication: binding of RNA I to RNA II and inhibition of primer formation. Tomizawa J. **Cell** 1986 Oct 10;47(1):89–97

Polysome turnover in immobilized cells of Nostoc commune

(cyanobacteria) exposed to water stress. Angeloni SV, et al. **J Bacteriol** 1986 Nov;168(2):1036–9

Site and substrate specificity of the ermC 23S rRNA methyltransferase. Denoya CD, et al. **J Bacteriol** 1987 Aug; 169(8):3857–60

Nucleotide sequence of the pnp gene of Escherichia coli encoding polynucleotide phosphorylase. Homology of the primary structure of the protein with the RNA-binding domain of ribosomal protein S1. Régnier P, et al. **J Biol Chem** 1987 Jan 5;262(1):63–8

Specific endonucleolytic cleavage sites for decay of Escherichia coli mRNA. Cannistraro VJ, et al. **J Mol Biol** 1986 Nov 20;192(2):257–74

Nucleolytic processing of ribonucleic acid transcripts in procaryotes. King TC, et al. **Microbiol Rev** 1986 Dec; 50(4):428–51 (199 ref.)

Protein binding sites on Escherichia coli 16S RNA; RNA regions that are protected by proteins S7, S14 and S19 in the presence or absence of protein S9. Wiener L, et al. **Nucleic Acids Res** 1987 May 11;15(9):3653–70

Effect of premature termination of translation on mRNA stability depends on the site of ribosome release. Nilsson G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4890–4

[Photoaffinity modification of Escherichia coli ribosomes by fMet-tRNAf Met derivatives in the 70S initiation complex] Babkina GT, et al. **Mol Biol (Mosk)** 1987 Jan–Feb; 21(1):93–101 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mutations in the gene for EF-G reduce the requirement for 4.5S RNA in the growth of E. coli. Brown S. **Cell** 1987 Jun 19;49(6):825–33

Initiation of translation is impaired in E. coli cells deficient in 4.5S RNA. Bourgaize DB, et al. **Nature** 1987 Jan 15–21; 325(6101):281–4

RNA CAP ANALOGS see under **RNA CAPS**

RNA CAPS

Cap trimethylation of U snRNA is cytoplasmic and dependent on U snRNP protein binding. Mattaj IW. **Cell** 1986 Sep 12;46(6):905–11

Assembly of pre-mRNA splicing complex is cap dependent. Patzelt E, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1387–99

ANALYSIS

The selection of the first AUG as the initiator of eucaryotic mRNAs translation is favored by a 5'-terminal cap group and a purine in the –3' position. Szczesna-Skorupa E, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):288–93

Saccharomyces cerevisiae mRNA populations of different intrinsic stability in unstressed and heat shocked cells display almost constant m7GpppA:m7GpppG 5'-cap structure ratios. Piper PW, et al. **FEBS Lett** 1987 Aug 10; 220(1):177–80

Preferential excision of the 5' proximal intron from mRNA precursors with two introns as mediated by the cap structure. Ohno M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5187–91

BIOSYNTHESIS

The capped U6 small nuclear RNA is transcribed by RNA polymerase III. Reddy R, et al. **J Biol Chem** 1987 Jan 5; 262(1):75–81

GENETICS

DNA sequences which influence the selection and efficient utilisation of transcriptional start sites of a eukaryotic gene by RNA polymerase II in vitro and in vivo. Kovacs BJ, et al. **Biosci Rep** 1986 Nov;6(11):937–44

Translation of maternal histone mRNAs in sea urchin embryos: a test of control by 5' cap methylation. Showman RM, et al. **Dev Biol** 1987 May;121(1):284–7

A library of trimethylguanosine-capped small RNAs in Physarum polycephalum. Adams DS, et al. **Gene** 1987; 54(1):93–103

Restriction of translation of capped mRNA in vitro as a model for poliovirus-induced inhibition of host cell protein synthesis: relationship to p220 cleavage. Lloyd RE, et al. **J Virol** 1987 Aug;61(8):2480–5

Identification of the major cottontail rabbit papillomavirus late RNA cap site and mapping and quantitation of an E2 and minor E6 coding mRNA in papillomas and carcinomas. Wettstein FO, et al. **Virology** 1987 Aug;159(2):321–8

METABOLISM

Proteolysis of the p220 component of the cap-binding protein complex is not sufficient for complete inhibition of host cell protein synthesis after poliovirus infection. Bonneau AM, et al. **J Virol** 1987 Apr;61(4):986–91

Identification of nuclear cap specific proteins in HeLa cells. Rozen F, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6489–500

The fates of undermethylated mRNA cap structures of vesicular stomatitis virus (New Jersey) during in vitro transcription. Hammond DC, et al. **Virology** 1987 Aug; 159(2):229–36

PHARMACODYNAMICS

Reversion of 7-methylguanosine 5'-phosphate inhibition of mRNA translation by polysomal and soluble factors isolated from Saccharomyces cerevisiae. Parets Suler A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1093–101

RNA-DEPENDENT DNA POLYMERASE see **REVERSE TRANSCRIPTASE**

RNA, DOUBLE-STRANDED

Sequence-dependence of the CD of synthetic double-stranded RNAs containing inosinate instead of guanylate subunits. Ratliff RL, et al. **Biopolymers** 1986 Sep; 25(9):1735–50

Mitogenic effect of double-stranded RNA in human fibroblasts: role of autogenous interferon. Vilček J, et al. **J Cell Physiol** 1987 Jan;130(1):37–43

ANALYSIS

Characterisation of orbiviruses of the Kemerovo serogroup: comparison of protein and RNA profiles. Black F, et al. **Acta Virol (Praha)** 1986 Jul;30(4):320–4

Rapid alkaline blot-transfer of viral dsRNAs. Li JK, et al. **Anal Biochem** 1987 May 15;163(1):210–8

Electropherotypic analysis of rotaviruses isolated from turkeys. Kang SY, et al. **Avian Dis** 1986 Oct–Dec; 30(4):794–801

Isolation of group A swine rotaviruses displaying atypical electropherotypes. Bellinzoni RC, et al. **J Clin Microbiol** 1987 May;25(5):952–4

Trichomonas vaginalis phenotypic variation occurs only among trichomonads infected with the double-stranded RNA virus. Wang A, et al. **J Exp Med** 1987 Jul 1; 166(1):142–50

Poliovirus snapback double-stranded RNA isolated from infected HeLa cells is deficient in poly(A). Richards OC, et al. **J Virol** 1987 Jul;61(7):2307–10

Molecular weight determination of the two segments of double-stranded RNA of infectious bursal disease virus, a member of the birnavirus group. Müller H, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):113–21

The double-stranded RNA in Trichomonas vaginalis may originate from virus-like particles. Wang AL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7956–60

The complete nucleotide sequence of bluetongue virus serotype 1 RNA3 and a comparison with other geographic serotypes from Australia, South Africa and the United States of America, and with other orbivirus isolates. Gould AR. **Virus Res** 1987 Apr;7(2):169–83

BIOSYNTHESIS

Synthesis of simian rotavirus SA11 double-stranded RNA in a cell-free system. Patton JT. **Virus Res** 1986 Dec; 6(3):217–33

GENETICS

Sequence of the M1-2 region of killer virus double-stranded RNA. Georgopoulos DE, et al. **Basic Life Sci** 1986; 40:203–13

Molecular characterization of chromosomal genes affecting double-stranded RNA replication in Saccharomyces cerevisiae. Icho T, et al. **Basic Life Sci** 1986;40:165–71

The replication of double-stranded RNA. Newman AM, et al. **Basic Life Sci** 1986;40:173–87

Analysis and utilization of the preprotoxin gene encoded in the M1 double-stranded RNA of yeast. Skipper N. **Basic Life Sci** 1986;40:215–26

Overview of double-stranded RNA replication in Saccharomyces cerevisiae. Wickner RB, et al. **Basic Life Sci** 1986;40:149–63

Initiation by the yeast viral transcriptase in vitro. Nemeroff ME, et al. **J Biol Chem** 1987 May 15;262(14):6785–7

A physical map of the viral genome for infectious pancreatic necrosis virus Sp: analysis of cell-free translation products derived from viral cDNA clones. Huang MT, et al. **J Virol** 1986 Dec;60(3):1002–11

L-A double-stranded RNA viruslike particle replication cycle in Saccharomyces cerevisiae: particle maturation in vitro and effects of mak10 and pet18 mutations. Fujimura T, et al. **Mol Cell Biol** 1987 Jan;7(1):420–6

Terminal structure of hypovirulence-associated dsRNAs in the chestnut blight fungus Endothia parasitica. Hiremath S, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9877–96

The genetic relatedness of United States prototype bluetongue viruses by RNA/RNA hybridization. Kowalik TF, et al. **Virology** 1987 Jun;158(2):276–84

Generation of cDNA clones of the bacteriophage phi 6 segmented dsRNA genome: characterization and expression of L segment clones. Revel HR, et al. **Virology** 1986 Dec;155(2):402–17

Conservative mechanism of the in vitro transcription of killer virus of yeast. Williams TL, et al. **Virology** 1987 May; 158(1):231–4

[Rotavirus infections in childhood: studies using a molecular biology method (gene electrophoresis)] Sprenger-Seige UE, et al. **Helv Paediatr Acta** 1985 Apr;40(1):17–28 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

A new method for extracting circular and supercoiled genome segments from cytoplasmic polyhedrosis virus. Yazaki K, et al. **J Virol Methods** 1986 Nov;14(3–4):275–83

Occurrence and transfection of a Giardia virus. De Jonckheere JF, et al. **Mol Biochem Parasitol** 1987 Feb; 23(1):85–9

METABOLISM

Structure and regulation of eukaryotic initiation factor eIF-2. Sequence of the site in the alpha subunit phosphorylated by the haem-controlled repressor and by the double-stranded RNA-activated inhibitor. Colthurst DR, et al. **Eur J Biochem** 1987 Jul 15;166(2):357–63

PHARMACODYNAMICS

Activation of double-stranded RNA-activated protein kinase in HeLa cells after poliovirus infection does not result in increased phosphorylation of eucaryotic initiation factor-2. Ransone LJ, et al. **J Virol** 1987 Jun;61(6):1781–7

Antiviral activity of mismatched double-stranded RNA against human immunodeficiency virus in vitro. Montefiori DC, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2985–9

[Action of a yeast dsRNA preparation on the humoral immune response and the delayed hypersensitivity reaction] Razvorotnev VA, et al. **Antibiot Med Biotekhnol** 1987 Apr; 32(4):285–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Clinical, immunological, and virological effects of ampligen, a mismatched double-stranded RNA, in patients with AIDS or AIDS-related complex. Carter WA, et al. **Lancet** 1987 Jun 6;1(8545):1286–92

RNA, FUNGAL

Direct determination of the specific activity of RNA uniformly labeled with 32P. Mueller DM, et al. **Anal Biochem** 1987 May 1;162(2):521–8

Identification and assignment of base pairs in three helical stems of Torulopsis utilis ribosomal 5S RNA and its RNase T1 and RNase T2 cleaved fragments via 500-MHz proton homonuclear overhauser enhancements. Chen SM, et al. **Biochemistry** 1986 Sep 9;25(18):5117–25

ANALYSIS

Nitrogen catabolite regulation of proline permease in Saccharomyces cerevisiae. Cloning of the PUT4 gene and study of PUT4 RNA levels in wild-type and mutant strains. Jauniaux JC, et al. **Eur J Biochem** 1987 May 4;164(3):601–6

Isolation of the NPR1 gene responsible for the reactivation of ammonia-sensitive amino-acid permeases in Saccharomyces cerevisiae. RNA analysis and gene dosage effects. Vandenbol M, et al. **Eur J Biochem** 1987 May 4; 164(3):607–12

Primary structure of the Neurospora crassa small subunit ribosomal RNA coding region. Sogin ML, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9540

Enzymatic preparation of seasoning 5'-nucleotides from baker's yeast. Chen HJ, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):124–8

BIOSYNTHESIS

The effect of pentachlorophenol and its metabolite tetrachlorohydroquinone on RNA, protein, and ribosome synthesis in Saccharomyces cells. Ehrlich W, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):7–12

The effects of protein synthesis inhibition, and of mutations rna1.1 and rna82.1, on the synthesis of small RNAs in yeast. Piper PW, et al. **FEBS Lett** 1987 Apr 6;214(1):143–8

Developmental studies of Claviceps paspali seed cultures for the submerged production of lysergic acid derivatives. Sočič H, et al. **J Basic Microbiol** 1986;26(9):533–9

Radiation induced formation of giant cells in Saccharomyces uvarum. IV. Macromolecular synthesis and protein patterns. Rink H, et al. **Radiat Environ Biophys** 1986; 25(2):81–91

GENETICS

5S rRNA genes from Aspergillus nidulans are not transcribed in Saccharomyces cerevisiae. Bartnik E, et al. **Acta Microbiol Pol** 1986;35(3–4):221–5

Enhancer-like stimulation of yeast tRNA gene expression by a defined region of the Ty element micro-injected into Xenopus oocytes. Hauber J, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1141–6

U2 RNA from yeast is unexpectedly large and contains homology to vertebrate U4, U5, and U6 small nuclear RNAs. Ares M Jr. **Cell** 1986 Oct 10;47(1):49–59

S. cerevisiae U1 RNA is large and has limited primary sequence homology to metazoan U1 snRNA. Kretzner L, et al. **Cell** 1987 Aug 14;50(4):593–602

The yeast RNA gene products are essential for mRNA splicing in vitro. Lustig AJ, et al. **Cell** 1986 Dec 26; 47(6):953–63

An essential snRNA from S. cerevisiae has properties predicted for U4, including interaction with a U6-like snRNA. Siliciano PG, et al. **Cell** 1987 Aug 14;50(4):585–92

Interlocked RNA circle formation by a self-splicing yeast

mitochondrial group I intron. Tabak HF, et al. **Cell** 1987 Jan 16;48(1):101–10

Self-splicing of a group II intron in yeast mitochondria: dependence on 5' exon sequences. van der Veen R, et al. **EMBO J** 1987 Apr;6(4):1079–84

A library of trimethylguanosine-capped small RNAs in Physarum polycephalum. Adams DS, et al. **Gene** 1987; 54(1):93–103

Chromosome specificity of polysomy promotion by disruptions of the Saccharomyces cerevisiae RNA1 gene. Atkinson NS, et al. **Genetics** 1987 Jul;116(3):371–5

Induction, identification, and cell-free translation of mRNAs coding for peroxisomal proteins in Candida tropicalis. Fujiki Y, et al. **J Biol Chem** 1986 Nov 25;261(33):15787–93

Regulation of the mRNA levels of nimA, a gene required for the G2–M transition in Aspergillus nidulans. Osmani SA, et al. **J Cell Biol** 1987 Jun;104(6):1495–504

Frameshift suppressor mutations affecting the major glycine transfer RNAs of Saccharomyces cerevisiae. Mendenhall MD, et al. **J Mol Biol** 1987 Mar 5;194(1):41–58

Normal yeast tRNA(CAGGln) can suppress amber codons and is encoded by an essential gene. Weiss WA, et al. **J Mol Biol** 1986 Dec 20;192(4):725–35

Splicing of a yeast proline tRNA containing a novel suppressor mutation in the anticodon stem. Winey M, et al. **J Mol Biol** 1986 Nov 5;192(1):49–63

Chromosomal mapping of tRNA genes from Dictyostelium discoideum. Dingermann T, et al. **MGG** 1987 Apr; 207(1):176–87

RNA processing and expression of an intron-encoded protein in yeast mitochondria: role of a conserved dodecamer sequence. Zhu H, et al. **Mol Cell Biol** 1987 Jul;7(7):2530–7

Coevolution of codon usage and transfer RNA abundance. Bulmer M. **Nature** 1987 Feb 19–25;325(6106):728–30

Analysis of transcripts of the major cluster of tRNA genes in the mitochondrial genome of S. cerevisiae. Francisci S, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6387–403

The initiator tRNA genes from Streptomyces rimosus. Gamulin V, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6747

Compilation and comparison of the sequence context around the AUG startcodons in Saccharomyces cerevisiae mRNAs. Hamilton R, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3581–93

[Possible enzymatic role of imported tRNA1Lys during splicing of mitochondrial transcripts in yeasts] Soldla TR. **Mol Biol (Mosk)** 1986 Jul–Aug;20(4):1034–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Inactivation of yeast nucleotidyl transferase and its effect on the integrity of the aminoacid acceptor end of transfer RNA. del Rio JM, et al. **Int J Biochem** 1987;19(2):127–31

RRP1, a Saccharomyces cerevisiae gene affecting rRNA processing and production of mature ribosomal subunits. Fabian GR, et al. **J Bacteriol** 1987 Apr;169(4):1571–8

[Degradation of ribonucleic acids in yeast cells during desiccation] Rapoport AI, et al. **Mikrobiologiia** 1986 Sep–Oct;55(5):855–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Action of a yeast dsRNA preparation on the humoral immune response and the delayed hypersensitivity reaction] Razvorotnev VA, et al. **Antibiot Med Biotekhnol** 1987 Apr; 32(4):285–8 (Eng. Abstr.) **(Rus)**

[The development of experimental and clinical research on low-molecular RNA] Zemskov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):104–10 (54 ref.) **(Rus)**

RADIATION EFFECTS

[Electrophoretic studies on the effect of different types of radiation (60Co, electrons, x-ray, photons, UV) on low-molecular ribonucleic acids] Lickl E, et al. **Strahlenther Onkol** 1987 Aug;163(8):552–6 (Eng. Abstr.) **(Ger)**

[Fundamental model assays on chemical damages to ribonucleic acids caused by oxygen radicals in aqueous solution] Lickl E, et al. **Strahlenther Onkol** 1986 Dec; 162(12):775–8 (Eng. Abstr.) **(Ger)**

RNA, HETEROGENEOUS NUCLEAR

ISOLATION & PURIFICATION

[Relation between the structural, metabolic and "adhesive" properties of nuclear and cytoplasmic non-ribosomal RNA] Zaboikin MM, et al. **Biokhimiia** 1987 May;52(5):794–805 (Eng. Abstr.) **(Rus)**

METABOLISM

Adenovirus proteins associated with mRNA and hnRNA in infected HeLa cells. Adam SA, et al. **J Virol** 1987 Oct; 61(10):3276–83

RNA, MESSENGER

A part of codon bias in genes protects protein spatial structures from destabilization by random single point mutations. Kypr J. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1094–7

A point mutation at codon 13 of the N-ras oncogene in a human stomach cancer. Nishida J, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):247–52

The selection of the first AUG as the initiator of eucaryotic mRNAs translation is favored by a 5'-terminal cap group and a purine in the -3' position. Szczesna-Skorupa E, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):288–93

Aminoacyl-tRNA(anticodon): codon adaptation in human and rabbit reticulocytes. Hatfield D, et al. **Biochem Int** 1986 Nov;13(5):835–42

Codon-induced association of the isolated anticodon loop of tRNAPhe. Bujalowski W, et al. **Biochemistry** 1986 Oct 21;25(21):6372–8

Accuracy of natural messenger translation: analysis of codon-anticodon recognition in a simplified cell-free system. Nègre D, et al. **Biochemistry** 1986 Oct 21; 25(21):6391–7

Unconventional methods in codon reading. Lagerkvist U. **Bioessays** 1986 May;4(5):223–6

Cloning of mRNA sequences from the human colon: preliminary characterisation of defined mRNAs in normal and neoplastic tissues. Bartsch RA, et al. **Br J Cancer** 1986 Nov;54(5):791–8

Activated c-Ha-ras oncogene with a guanine to thymine transversion at the twelfth codon in a human stomach cancer cell line. Deng GR, et al. **Cancer Res** 1987 Jun 15; 47(12):3195–8

Selection of AUG initiation codons differs in plants and animals. Lütcke HA, et al. **EMBO J** 1987 Jan;6(1):43–8

Uncharged tRNA error damping model. Gallant JA. **FEBS Lett** 1986 Oct 6;206(2):185–8

Co-evolution of base composition and codon usage in Xenopus laevis and human globin genes with long-range DNA organization of their genome. Moreau J, et al. **FEBS Lett** 1987 Aug 31;221(1):3–10

First position wobble in codon-anticodon pairing: amber suppression by a yeast glutamine tRNA. Lin JP, et al. **Gene** 1986;49(3):383–8

Hemoglobin M Iwate is caused by a C----T transition in codon 87 of the human alpha 1-globin gene. Horst J, et al. **Hum Genet** 1987 Jan;75(1):53–5

Codon usage in streptococci. Malke H. **J Basic Microbiol** 1986;26(10):587–95

Missense misreading of asparagine codons as a function of codon identity and context. Precup J, et al. **J Biol Chem** 1987 Aug 15;262(23):11351–5

The use of a multiwire camera for the detection of 3H labelled cDNA/mRNA hybrids. Wood DF, et al. **J Endocrinol** 1987 Feb;112(2):R1–3

Estimation of the Mr of isocitrate lyase messenger RNA from Chlorella fusca. Nicholl DS, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1423–7

Specificity of the attenuation response of the threonine operon of Escherichia coli is determined by the threonine and isoleucine codons in the leader transcript. Lynn SP, et al. **J Mol Biol** 1987 Mar 5;194(1):59–69

Mutation in the D arm enables a suppressor with a CUA anticodon to read both amber and ochre codons in Escherichia coli. Raftery LA, et al. **J Mol Biol** 1986 Aug 5;190(3):513–7

Normal yeast tRNA(CAGGln) can suppress amber codons and is encoded by an essential gene. Weiss WA, et al. **J Mol Biol** 1986 Dec 20;192(4):725–35

Models of nearly neutral mutations with particular implications for nonrandom usage of synonymous codons. Li WH. **J Mol Evol** 1987;24(4):337–45

Evolutionary change of restriction sites under unequal rates of nucleotide substitution among the three positions of codons. Li WH. **J Mol Evol** 1986;23(3):205–10

An evolutionary perspective on synonymous codon usage in unicellular organisms. Sharp PM, et al. **J Mol Evol** 1986; 24(1–2):28–38

Codon usage in histone gene families of higher eukaryotes reflects functional rather than phylogenetic relationships. Wells D, et al. **J Mol Evol** 1986;23(3):224–41

Codon frequency in Dictyostelium discoideum. Warrick HM. **Methods Cell Biol** 1987;28:497–500

The unusual translational initiation codon AUU limits the expression of the infC (initiation factor IF3) gene of Escherichia coli. Brombach M, et al. **MGG** 1987 Jun; 208(1–2):94–100

Introduction of UAG, UAA, and UGA nonsense mutations at a specific site in the Escherichia coli chloramphenicol acetyltransferase gene: use in measurement of amber, ochre, and opal suppression in mammalian cells. Capone JP, et al. **Mol Cell Biol** 1986 Sep;6(9):3059–67

Coevolution of codon usage and transfer RNA abundance. Bulmer M. **Nature** 1987 Feb 19–25;325(6106):728–30

What can AIDS virus codon usage tell us? [letter] Sharp PM. **Nature** 1986 Nov 13–19;324(6093):114

Alternative 5' exons either provide or deny an initiator methionine codon to the same alpha-tubulin coding region. Dobner PR, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):199–218

The human c-Kirsten ras gene is activated by a novel mutation in codon 13 in the breast carcinoma cell line MDA-MB231. Kozma SC, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):5963–71

Adjustment of the tRNA population to the codon usage in chloroplasts. Pfitzinger H, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1377–86

The effect of codon usage on the oligonucleotide composition of the E. coli genome and identification of over- and underrepresented sequences by Markov chain analysis. Phillips GJ, et al. **Nucleic Acids Res** 1987 Mar 25; 15(6):2627–38

All foot and mouth disease virus serotypes initiate protein synthesis at two separate AUGs. Sangar DV, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3305–15

Codon usage in regulatory genes in Escherichia coli does not reflect selection for 'rare' codons. Sharp PM, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7737–49

The codon Adaptation Index--a measure of directional synonymous codon usage bias, and its potential applications. Sharp PM, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1281–95

AUU-to-AUG mutation in the initiator codon of the translation initiation factor IF3 abolishes translational autocontrol of its own gene (infC) in vivo. Butler JS, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4022–5

Transcription attenuation in Salmonella typhimurium: the significance of rare leucine codons in the leu leader. Carter PW, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8127–31

Amino-terminal extension generated from an upstream AUG codon is not required for mitochondrial import of yeast N2,N2-dimethylguanosine-specific tRNA methyltransferase. Ellis SR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5172–6

Codon insertion mutants of the adenovirus terminal protein. Freimuth PI, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7816–20

Sequence analysis of the cDNA encoding human liver glycogen phosphorylase reveals tissue-specific codon usage. Newgard CB, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8132–6

Amino acid sequence of the mRNA cap-binding protein from human tissues. Rychlik W, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):945–9

Apparent lack of discrimination in the reading of certain codons in Mycoplasma mycoides. Samuelsson T, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3166–70

Cotranslational insertion of selenocysteine into formate dehydrogenase from Escherichia coli directed by a UGA codon. Zinoni F, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3156–60

Bovine interstitial retinol-binding protein (IRBP)--isolation and sequence analysis of cDNA clones, characterization and in vitro translation of mRNA. Liou GI, et al. **Vision Res** 1986;26(10):1645–53

[Relationship between base composition in non-coding DNA of genes and codon composition] Mouchiroud D. **C R Acad Sci [III]** 1986;303(19):743–8 (Eng. Abstr.) **(Fre)**

[Structural correspondence between codon and coded amino acid] Otroshchenko VA, et al. **Dokl Akad Nauk SSSR** 1987 May–Jun;294(1):241–4 **(Rus)**

[Statistical characteristics of primary structures of the functional regions of the Escherichia coli genome. III. Computer recognition of coding regions] Borodovskiĭ MIu, et al. **Mol Biol (Mosk)** 1986 Sep–Oct;20(5):1390–8 (Eng. Abstr.) **(Rus)**

[Sense codon in Escherichia coli are translated in context] Shpaer EG. **Mol Biol (Mosk)** 1986 Sep–Oct;20(5):1299–304 (Eng. Abstr.) **(Rus)**

ANALYSIS

Localization of somatostatin mRNA in the gut, pancreas and thyroid gland of the rat using antisense RNA probes for in situ hybridization. Höfler H, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:101–5

Measurement of terminal deoxynucleotidyl transferase mRNA in clinical samples: a new parameter in analysis of leukemia cells. Wolf SC, et al. **Am J Hematol** 1987 Jul; 25(3):259–69

Direct mapping of rare messenger RNAs by means of oligomer-directed ribonuclease H cleavage. Berger SL. **Anal Biochem** 1987 Mar;161(2):272–9

Regulation of production of embryonic chick liver delta-aminolevulinate synthase: effects of testosterone and of hemin on the mRNA of the enzyme. Drew PD, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):81–7

Antithrombin III mRNA in adult rat liver and kidney and in rat liver during development. D'Souza SE, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):417–21

mRNA for the three human alcohol dehydrogenase subunits: size heterogeneity and developmental changes. Ikuta T, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):1020–7

mRNA from human colon tumor and mucosa related to the pol gene of an endogenous A-type retrovirus. Moshier JA, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):1071–7

Differential expression of fibrillar collagen genes during callus formation. Multimäki P, et al. **Biochem Biophys Res Commun** 1987 Jan 30;142(2):536–41

Interleukin 1 alpha mRNA in virus-transformed T and B cells. Noma T, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):353–60

Frequent occurrence of short complementary sequences in nucleic acids. Segerstéen U, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):94–101

Glucocorticoids and cyclic AMP synergistically regulate the

abundance of preproenkephalin messenger RNA in neuroblastoma–glioma hybrid cells. Yoshikawa K, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):1–10

The cellular localization of mRNA in neurobiology. Hunt SP, et al. **Biochem Soc Trans** 1987 Feb;15(1):133

Changes in apolipoprotein A–I mRNA level in the liver of rats with experimental nephrotic syndrome. Tarugi P, et al. **Biochim Biophys Acta** 1986 Oct 16;868(1):51–61

Characterization of glucocorticoid receptors and glucocorticoid receptor mRNA in human leukemia cells: stabilization of the receptor by diisopropylfluorophosphate. Distelhorst CW, et al. **Blood** 1987 Mar;69(3):750–6

Physiologic regulation and tissue localization of renal erythropoietin messenger RNA. Schuster SJ, et al. **Blood** 1987 Jul;70(1):316–8

bcr–abl RNA in patients with chronic myelogenous leukemia. Shtivelman E, et al. **Blood** 1987 Mar;69(3):971–3

Detection of alpha–foetoprotein messenger RNA in human hepatocellular carcinoma and hepatoblastoma tissue. Di Bisceglie AM, et al. **Br J Cancer** 1986 Nov;54(5):779–85

Induction of muscarinic acetylcholine, serotonin and substance P receptors in Xenopus oocytes injected with mRNA prepared from the small intestine of rats. Aoshima H, et al. **Brain Res** 1987 Apr;388(1):15–20

A solution hybridization assay for the quantitation of prodynorphin mRNA. Devi L, et al. **Brain Res** 1987 Jul; 388(2):173–6

Multiple opsin mRNA species in bovine retina. Kuo CH, et al. **Brain Res** 1986 Dec;387(3):251–60

Tissue distribution of rat S–100 alpha and beta subunit mRNAs. Kuwano R, et al. **Brain Res** 1987 Apr; 388(1):79–82

Gene expression in the presence or absence of myelin assembly. LeBlanc AC, et al. **Brain Res** 1987 Apr; 388(1):57–67

Localization of brain angiotensinogen mRNA by hybridization histochemistry. Lynch KR, et al. **Brain Res** 1987 Jul;388(2):149–58

Haloperidol increases proenkephalin mRNA levels in the caudate–putamen of the rat: a quantitative study at the cellular level using in situ hybridization. Romano GJ, et al. **Brain Res** 1987 Apr;388(1):33–41

Proto–oncogene c–fos is highly induced by disruption of neonatal but not of mature brain tissue. Ruppert C, et al. **Brain Res** 1987 Apr;388(1):51–6

Corticotropin–releasing factor mRNA is expressed in the inferior olives of rodents and primates. Young WS 3d, et al. **Brain Res** 1986 Nov;387(2):189–92

Transferrin gene expression in choroid plexus of the adult rat brain. Bloch B, et al. **Brain Res Bull** 1987 Apr; 18(4):573–6

Terminal erythroid differentiation in the K–562 cell line by 1–beta–D–arabinofuranosylcytosine: accompaniment by c–myc messenger RNA decrease. Bianchi Scarrà GL, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6327–32

Cloning of estrogen–regulated messenger RNA sequences from human breast cancer cells. May FE, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6034–40

Enhanced levels of insulin–like growth factor messenger RNA in human colon carcinomas and liposarcomas. Tricoli JV, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6169–73

Phenobarbital induction of cytochrome P–450 in normal and preneoplastic rat liver: comparison of enzyme and mRNA expression as detected by immunohistochemistry and in situ hybridization. Schwarz M, et al. **Carcinogenesis** 1987 Sep; 8(9):1355–7

Molecular cloning of human angiotensinogen cDNA and evidence for the presence of its mRNA in rat heart. Kunapuli SP, et al. **Circ Res** 1987 May;60(5):786–90

Alpha–skeletal muscle actin mRNA's accumulate in hypertrophied adult rat hearts. Schwartz K, et al. **Circ Res** 1986 Nov;59(5):551–5

Regulation of insulin–receptor mRNA levels by glucocorticoids. McDonald AR, et al. **Diabetes** 1987 Jun; 36(6):779–81

Quantitative analysis of pancreatic proinsulin mRNA in genetically diabetic (db/db) mice. Orland MJ, et al. **Diabetes** 1987 Mar;36(3):341–7

Control of laminin synthesis during differentiation of F9 embryonal carcinoma cells. A study using cDNA clones complementary to the mRNA species for the A, B1 and B2 subunits. Durkin ME, et al. **Differentiation** 1986; 32(3):260–6

Localization of immunoreactive transthyretin (prealbumin) and of transthyretin mRNA in fetal and adult rat brain. Kato M, et al. **Differentiation** 1986;31(3):228–35

Cellular localization of nerve growth factor synthesis by in situ hybridization. Bandtlow CE, et al. **EMBO J** 1987 Apr; 6(4):891–9

Tissue distribution of insulin–like growth factor I and II messenger ribonucleic acid in the adult rat. Murphy LJ, et al. **Endocrinology** 1987 Apr;120(4):1279–82

Localization of thyrotropin–releasing hormone prohormone messenger ribonucleic acid in rat brain in situ hybridization. Segerson TP, et al. **Endocrinology** 1987 Jul;121(1):98–107

Uteroglobin messenger ribonucleic acid: localization in rabbit uterus and lung by in situ hybridization. Warembourg M, et al. **Endocrinology** 1986 Oct;119(4):1632–40

Multiple mRNA species code for the catalytic subunit of the cAMP–dependent protein kinase from LLC–PK1 cells. Evidence for two forms of the catalytic subunit. Adavani SR, et al. **Eur J Biochem** 1987 Sep 1;167(2):221–6

Identical mRNA for preproglucagon in pancreas and gut. Novak U, et al. **Eur J Biochem** 1987 May 4;164(3):553–8

Saccharomyces cerevisiae mRNA populations of different intrinsic stability in unstressed and heat shocked cells display almost constant m7GpppA:m7GpppG 5'–cap structure ratios. Piper PW, et al. **FEBS Lett** 1987 Aug 10; 220(1):177–80

Beta–thalassemia: analysis of mRNA precursors of a mutant human globin gene with defective splicing using peripheral blood nucleated red blood cells. Oppenheim A, et al. **Hemoglobin** 1986;10(6):573–86

Heterogeneous expression of phenobarbital–inducible cytochrome P–450 genes within the hepatic acinus in the rat. Chianale J, et al. **Hepatology** 1986 Sep–Oct;6(5):945–51

Hepatic alpha 1–antitrypsin mRNA content in cirrhosis with normal and abnormal protease inhibitor phenotypes. Schwarzenberg SJ, et al. **Hepatology** 1986 Nov–Dec; 6(6):1252–8

In situ hybridization methods for the detection of somatostatin mRNA in tissue sections using antisense RNA probes. Hoefler H, et al. **Histochem J** 1986 Nov–Dec; 18(11–12):597–604

Use of a biotinylated probe and in situ hybridization for light and electron microscopic localization of Po mRNA in myelin–forming Schwann cells. Webster HF, et al. **Histochemistry** 1987;86(5):441–4

Conversion of the lymphoma line "BJAB" by Epstein–Barr virus into phenotypically altered sublines is accompanied by increased c–myc mRNA levels. Wennborg A, et al. **Int J Cancer** 1987 Aug 15;40(2):202–6

Crystallin mRNA product levels in lens undergoing reversal and inhibition of galactose cataracts. Hsu MY, et al. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1413–21

Oxygen–regulated mRNAs for light–harvesting and reaction center complexes and for bacteriochlorophyll and carotenoid biosynthesis in Rhodobacter capsulatus during the shift from anaerobic to aerobic growth. Zhu YS, et al. **J Bacteriol** 1986 Dec;168(3):1180–8

Steady–state levels of mRNAs coding for the type IV collagen and laminin polypeptide chains of basement membranes exhibit marked tissue–specific stoichiometric variations in the rat. Boot–Handford RP, et al. **J Biol Chem** 1987 Sep 15;262(26):12475–8

Prostatic spermine–binding protein. Cloning and nucleotide sequence of cDNA, amino acid sequence, and androgenic control of mRNA level. Chang CS, et al. **J Biol Chem** 1987 Feb 25;262(6):2826–31

Detection of mRNAs coding for translationally regulated heat–shock proteins in non–heat–shocked thymic lymphocytes. Colbert RA, et al. **J Biol Chem** 1987 Jul 25; 262(21):9939–41

A unique gene for 5–aminolevulinate synthase in chickens. Evidence for expression of an identical messenger RNA in hepatic and erythroid tissues. Elferink CJ, et al. **J Biol Chem** 1987 Mar 25;262(9):3988–92

Multiple species of bovine adrenodoxin mRNA. Occurrence of two different mitochondrial precursor sequences associated with the same mature sequence. Okamura T, et al. **J Biol Chem** 1987 Jul 25;262(21):10335–8

Recognition of 5' and 3' splice site sequences in pre–mRNA studied with a filter binding technique. Tatei K, et al. **J Biol Chem** 1987 Aug 25;262(24):11667–74

Localization of types I, II, and III collagen mRNAs in developing human skeletal tissues by in situ hybridization. Sandberg M, et al. **J Cell Biol** 1987 Apr;104(4):1077–84

Identification of human growth hormone messenger ribonucleic acid in pituitary adenoma cells by in situ hybridization. Pixley S, et al. **J Clin Endocrinol Metab** 1987 Sep;65(3):575–80

Analysis of the apolipoprotein B gene and messenger ribonucleic acid in abetalipoproteinemia. Lackner KJ, et al. **J Clin Invest** 1986 Dec;78(6):1707–12

Comparative distribution of mRNAs for glutamic acid decarboxylase, tyrosine hydroxylase, and tachykinins in the basal ganglia: an in situ hybridization study in the rodent brain. Chesselet MF, et al. **J Comp Neurol** 1987 Aug 1; 262(1):125–40

Demonstration of thyrotrophin beta–subunit messenger RNA in rat pituitary cells in primary culture—evidence for regulation by thyrotrophin–releasing hormone and forskolin. Franklyn JA, et al. **J Endocrinol** 1986 Oct; 111(1):R1–2

Human keratinocytes contain mRNA indistinguishable from monocyte interleukin 1 alpha and beta mRNA. Keratinocyte epidermal cell–derived thymocyte–activating factor is identical to interleukin 1. Kupper TS, et al. **J Exp Med** 1986 Dec 1;164(6):2095–100

Characterization of messenger RNAs of measles virus. Yoshikawa Y, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2807–12

In situ localization of amylase mRNA and protein. An investigation of amylase gene activity in normal human parotid gland. Morley DJ, et al. **J Histochem Cytochem** 1987 Jan;35(1):9–14

Detection of albumin mRNAs in rat liver by in situ hybridization: usefulness of paraffin embedding and comparison of various fixation procedures. Tournier I, et al. **J Histochem Cytochem** 1987 Apr;35(4):453–9

Interleukin 1 modulates messenger RNA levels of lymphokines and of other molecules associated with T cell activation in the T cell lymphoma LBRM33–1A5. Hagiwara H, et al. **J Immunol** 1987 Apr 15;138(8):2514–9

Co–sedimentation of chondroitin sulfate A glycosaminoglycans and proteoglycans with the cytolytic secretory granules of rat large granular lymphocyte (LGL) tumor cells, and identification of a mRNA in normal and transformed LGL that encodes proteoglycans. Stevens RL, et al. **J Immunol** 1987 Aug 1;139(3):863–8

Analysis of the expression of H–2K, D and L locus mRNAs by use of an oligonucleotide primer. Sood AK, et al. **J Immunol Methods** 1986 Dec 4;95(1):63–9

Messenger ribonucleic acid for the lipoprotein of the Escherichia coli outer membrane is polyadenylated. Taljanidisz J, et al. **J Mol Biol** 1987 Feb 5;193(3):507–15

Quantitation of vasopressin mRNA and oxytocin mRNA in hypothalamic nuclei by solution hybridization assays. Burbach JP, et al. **J Neurochem** 1986 Dec;47(6):1814–21

Somatostatin mRNA: regional variation in hybridization densities in individual neurons. Uhl GR, et al. **J Neurosci** 1986 Nov;6(11):3258–64

Characterization of a cDNA clone corresponding to a transcript from the Epstein–Barr virus BamHI M fragment: evidence for overlapping mRNAs. Pfitzner AJ, et al. **J Virol** 1987 Sep;61(9):2943–6

In vitro detection of canine distemper virus nucleic acid with a virus–specific cDNA probe by dot–blot and in situ hybridization. Oglesbee M, et al. **J Virol Methods** 1986 Nov;14(3–4):195–211

Detection of gastrin–releasing peptide mRNA in small cell lung carcinomas and medullary thyroid carcinomas using synthetic oligodeoxyribonucleotide probes. Suzuki M, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):157–63

Elevation of c–abl–mRNA in human leukemic B lymphoblasts. de Kretser T, et al. **Leuk Res** 1986; 10(12):1391–9

Ceruloplasmin gene expression in human cancer cells. Kunapuli SP, et al. **Life Sci** 1987 Jun 8;40(23):2225–8

Proenkephalin A–like mRNA in human leukemia leukocytes and CNS–tissues. Monstein HJ, et al. **Life Sci** 1986 Dec 8;39(23):2237–41

Genomic organization, chromosomal location and transcription of dispersed and repeated tubulin genes in Leishmania major. Spithill TW, et al. **Mol Biochem Parasitol** 1987 May;24(1):23–37

Relationship between renin mRNA and renin secretion in adrenalectomized, salt–depleted, or converting enzyme inhibitor–treated rats. Ludwig G, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):223–9

Preproenkephalin A–derived opioid peptides and mRNA of preproenkephalin A in human pheochromocytomas. Yanase T, et al. **Mol Cell Endocrinol** 1987 Jun;51(3):237–41

Compensatory mutations suggest that base–pairing with a small nuclear RNA is required to form the 3' end of H3 messenger RNA. Schaufele F, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):777–81

Sequences coding for the ribosomal protein L14 in Xenopus laevis and Xenopus tropicalis; homologies in the 5' untranslated region are shared with other r–protein mRNAs. Beccari E, et al. **Nucleic Acids Res** 1986 Oct 10; 14(19):7633–46

Identification of the transcriptional initiation site of ribosomal RNA genes in the crustacean Artemia. Gil I, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6007–16

Sequences of the 5' portion of the human c–sis gene: characterization of the transcriptional promoter and regulation of expression of the protein product by 5' untranslated mRNA sequences. Ratner L, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6017–36

In situ dot blots: quantitation of mRNA in intact cells. Yu SM, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7597–615

Primary structures of canine pancreatic lipase and phospholipase A2 messenger RNAs. Kerfelec B, et al. **Pancreas** 1986;1(5):430–7

Nucleotide sequence of the mRNA encoding the cytosolic form of phosphoenolpyruvate carboxykinase (GTP) from the chicken [published erratum appears in Proc Natl Acad Sci USA 1986 Dec;83(24):9463] Cook JS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7583–7

Sequence of mRNA coding for bindin, a species–specific sea urchin sperm protein required for fertilization. Gao B, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8634–8

Mouse thymidylate synthase messenger RNA lacks a 3' untranslated region. Jenh CH, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8482–6

Human thyroid peroxidase: complete cDNA and protein sequence, chromosome mapping, and identification of two alternately spliced mRNAs. Kimura S, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5555–9

Molecular cloning of a prolactin–related mRNA expressed in bovine placenta. Schuler LA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5650–4

Coordinate tropic hormone regulation of mRNAs for insulin–like growth factor II and the cholesterol side–chain–cleavage enzyme, P450scc, in human steroidogenic tissues. Voutilainen R, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1590–4

Impulse activity differentially regulates co–localized transmitters by altering messenger RNA levels. Black IB, et al. **Prog Brain Res** 1986;68:121–7

Evidence for a shift in 5'–termini of early viral RNA during the lytic cycle of JC virus. Khalili K, et al. **Virology** 1987 Jun;158(2):469–72

Identification and analysis of Ebola virus messenger RNA. Sanchez A, et al. **Virology** 1987 Apr;157(2):414–20

[In situ hybridization of messenger RNA in the central nervous system] Arnauld E, et al. **Ann Endocrinol (Paris)** 1986;47(1):11–5 (Eng. Abstr.) **(Fre)**

[Selective augmentation of cellular hCG alpha mRNA levels and immunoreactive hCG alpha secretion by 17 beta-estradiol in the normal placenta] Matsuo H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Dec 20; 62(12):1352–61 (Eng. Abstr.) **(Jpn)**

[Cloning of DNA complementary to mRNA for proopiomelanocortin from the bovine, rat and human hypophysis. Hormonal regulation of proopiomelanocortin mRNA in the rat hypophysis] Mertvetsov NP, et al. **Biokhimiia** 1987 May;52(5):707–14 (Eng. Abstr.) **(Rus)**

[Properties of informosomes fixed by ultraviolet irradiation] Voronina AS, et al. **Biokhimiia** 1987 May;52(5):862–9 (Eng. Abstr.) **(Rus)**

[Measurement of the distance between the 3'- and 5'-ends of ribosome-bound template polynucleotide by using the singlet–singlet energy transfer method] Bakin AB, et al. **Dokl Akad Nauk SSSR** 1987;294(4):988–91 **(Rus)**

[Characteristics of mRNA and cDNA of fructose-1,6-diphosphate aldolase] Litvinenko LT, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):97–108 (81 ref.) (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis of an mRNA fragment of alanyl-tRNA synthetase gene in Escherichia coli using the 6-methyl-3-pyridyl group for protection of the imide functions of uridine and guanosine. Welch CJ, et al. **Acta Chem Scand [B]** 1986 Nov;40(10):817–25

Thyroglobulin gene activation by thyrotropin and cAMP in hormonally depleted FRTL-5 thyroid cells. Bone E, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1261–6

Transient induction of ornithine decarboxylase mRNA in rat hepatoma cells treated with 12-O-tetradecanoylphorbol-13-acetate. Butler AP, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):809–17

TPA-induction of c-fos mRNA during the cell cycle of WI-38 human fibroblasts. Calabretta B, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):716–23

Direct characterization of influenza viral NS1 mRNA and related sequences from infected HeLa cells and a cell-free transcription system. Nicholson AW, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):153–63

Calcitonin mRNA activity in genetically obese rats. Segond N, et al. **Biomed Pharmacother** 1986;40(6):207–14

Transcriptional induction of cellular gene expression during lytic infection with herpes simplex virus. Kemp LM, et al. **Biosci Rep** 1986 Nov;6(11):945–51

Phenotypic modulation of chronic lymphocytic, prolymphocytic, and lymphoplasmacytic leukemia cells by TPA: induction of TRAP isoenzyme 5 and HD6 (CD22) antigen and enhancement of IgM messenger RNA. Thiel E, et al. **Blood Cells** 1987;12(2):365–83

Estrogen induction of sexual behavior in female rats and synthesis of polyadenylated messenger RNA in the ventromedial nucleus of the hypothalamus. Yahr P, et al. **Brain Res** 1986 Nov;387(2):153–65

Induction of gamma-glutamyl transpeptidase mRNA by aflatoxin B1 and ethoxyquin in rat liver. Power CA, et al. **Carcinogenesis** 1987 May;8(5):737–40

B cell stimulatory factor-1/interleukin-4 mRNA is expressed by normal and transformed mast cells. Brown MA, et al. **Cell** 1987 Aug 28;50(5):809–18

Hormonally induced elevations of alpha- and beta-casein mRNA levels are blocked by cyclic adenine nucleotide and prostaglandins. Schaefer FV. **Differentiation** 1986; 32(3):238–44

In vivo labelling of intermediates in the discontinuous synthesis of mRNAs in Trypanosoma brucei. Laird PW, et al. **EMBO J** 1987 Apr;6(4):1055–62

Multiple hormones regulate angiotensinogen messenger ribonucleic acid levels in a rat hepatoma cell line. Chang E, et al. **Endocrinology** 1987 Aug;121(2):513–9

Cholesterol side-chain cleavage P450 messenger ribonucleic acid: evidence for hormonal regulation in rat ovarian follicles and constitutive expression in corpora lutea. Goldring NB, et al. **Endocrinology** 1987 May; 120(5):1942–50

A growth stimulatory effect of iodide is suggested by its effects on c-myc messenger ribonucleic acid levels, [3H]thymidine incorporation, and mitotic activity of porcine follicle cells in suspension culture. Heldin NE, et al. **Endocrinology** 1987 Aug;121(2):757–64

Sex-independent synthesis of alpha 2u-globulin and its messenger ribonucleic acid in the rat preputial gland: biochemical and immunocytochemical analyses. Murty CV, et al. **Endocrinology** 1987 Sep;121(3):1000–5

Human embryonic liver cell differentiation. I. Changes in specific mRNA synthesis correlates with parameters signaling oncologic alterations. Hakim AA, et al. **Exp Cell Biol** 1986;54(5–6):319–32

c-myc mRNA is elevated as differentiating lens cells withdraw from the cell cycle. Nath P, et al. **Exp Cell Res** 1987 Mar;169(1):215–22

Survival of fiber cells and fiber-cell messenger RNA in lens of rats maintained on a 50% galactose diet for 45 days. Hsu MY, et al. **Exp Eye Res** 1987 Apr;44(4):577–86

Recombinant human B cell stimulatory factor 2 (BSF-2/IFN-beta 2) regulates beta-fibrinogen and albumin mRNA levels in Fao-9 cells. Andus T, et al. **FEBS Lett** 1987 Aug 31;221(1):18–22

all-trans-Retinoic acid inhibits the appearance of two phorbol ester-induced ornithine decarboxylase mRNAs in mouse epidermis. Kumar S, et al. **FEBS Lett** 1986 Nov 10;208(1):151–4

Polyadenylated and nonadenylated messenger RNA and androgen control of sexual behavior and scent marking in male gerbils. Yahr P, et al. **Horm Behav** 1987 Mar; 21(1):53–64

Effect of iron on accumulation of exotoxin A-specific mRNA in Pseudomonas aeruginosa. Lory S. **J Bacteriol** 1986 Dec; 168(3):1451–6

Heat shock regulatory gene rpoH mRNA level increases after heat shock in Escherichia coli. Tilly K, et al. **J Bacteriol** 1986 Dec;168(3):1155–8

Synthesis of poly(A)+-containing RNA during growth in Escherichia coli relA+ and relA- strains. Hanschke R, et al. **J Basic Microbiol** 1986;26(6):317–22

Induction of four heat-shock proteins and their mRNAs in rat after whole-body hyperthermia. Fujio N, et al. **J Biochem (Tokyo)** 1987 Jan;101(1):181–7

Messenger RNA synthesis in mammalian cells is catalyzed by the phosphorylated form of RNA polymerase II. Cadena DL, et al. **J Biol Chem** 1987 Sep 15;262(26):12468–74

In vitro formation of a lariat structure containing a G2'-5'G linkage. Freyer GA, et al. **J Biol Chem** 1987 Mar 25; 262(9):4267–73

Markedly different ATP requirements for rRNA synthesis and mtDNA light strand transcription versus mRNA synthesis in isolated human mitochondria. Gaines G, et al. **J Biol Chem** 1987 Feb 5;262(4):1907–15

Phorbol esters induce interleukin 2 mRNA in sensitive but not in resistant EL4 cells. Harrison JR, et al. **J Biol Chem** 1987 Jan 5;262(1):234–8

Androgen repression of the production of a 29-kilodalton protein and its mRNA in the rat ventral prostate. Saltzman AG, et al. **J Biol Chem** 1987 Jan 5;262(1):432–7

Insulin as a growth factor in rat hepatoma cells. Stimulation of proto-oncogene expression. Taub R, et al. **J Biol Chem** 1987 Aug 5;262(22):10893–7

Regulation of types I, III, and IV procollagen mRNA synthesis in glucocorticoid-mediated intestinal development. Walsh MJ, et al. **J Biol Chem** 1987 Aug 5; 262(22):10814–8

Growth hormone induces two mRNA species of the serine protease inhibitor gene family in rat liver. Yoon JB, et al. **J Biol Chem** 1987 Mar 25;262(9):4284–9

Molecular cloning of a tumor promoter-inducible mRNA found in JB6 mouse epidermal cells: induction is stable at high, but not at low, cell densities. Smith JH, et al. **J Cell Biochem** 1987 May;34(1):13–22

In vivo expression of mRNA for the Ca++-binding protein SPARC (osteonectin) revealed by in situ hybridization. Holland PW, et al. **J Cell Biol** 1987 Jul;105(1):473–82

Synthesis of globin RNA in enucleated differentiating murine erythroleukemia cells. Volloch V, et al. **J Cell Biol** 1987 Jul;105(1):137–43

Differential control of mRNA levels for Thy-1 antigen and laminin in rat mammary epithelial and myoepithelial-like cells. Barraclough R, et al. **J Cell Physiol** 1987 Jun; 131(3):393–401

Hormonal regulation of messenger ribonucleic acids for P450scc (cholesterol side-chain cleavage enzyme) and P450c17 (17 alpha-hydroxylase/17,20-lyase) in cultured human fetal adrenal cells. Di Blasio AM, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):170–5

Regulation of lymphokine production and human T lymphocyte activation by 1,25-dihydroxyvitamin D3. Specific inhibition at the level of messenger RNA. Rigby WF, et al. **J Clin Invest** 1987 Jun;79(6):1659–64

Protein synthesis and messenger RNA levels along the animal-vegetal axis during early Xenopus development. Smith RC. **J Embryol Exp Morphol** 1986 Jun;95:15–35

Synthesis of spoIIA and spoVA mRNA in Bacillus subtilis. Savva D, et al. **J Gen Microbiol** 1986 Nov;132 (Pt 11):3005–11

Specific induction of metallothionein in hairless mouse skin by zinc and dexamethasone. Mullin CH, et al. **J Invest Dermatol** 1987 Aug;89(2):164–6

Myelin basic protein-specific RNA levels in interleukin-2-stimulated oligodendrocytes. Benveniste EN, et al. **J Neurochem** 1987 Oct;49(4):1274–9

Developmental expression of the myelin proteolipid protein and basic protein mRNAs in normal and dysmyelinating mutant mice. Sorg BA, et al. **J Neurochem** 1987 Oct; 49(4):1146–54

Investigations on myelinogenesis in vitro: developmental expression of myelin basic protein mRNA and its regulation by thyroid hormone in primary cerebral cell cultures from embryonic mice. Shanker G, et al. **J Neurosci Res** 1987; 17(3):220–4

Lymphoid organ mRNA translatability in rats: effect of protein energy undernutrition in early life. Srivastava US, et al. **J Nutr** 1987 Feb;117(2):242–6

Tissue-specific expression of human provirus ERV3 mRNA in human placenta: two of the three ERV3 mRNAs contain human cellular sequences. Kato N, et al. **J Virol** 1987 Jul; 61(7):2182–91

Clonal derivatives of the RD-114 cell line differ in their antiviral and gene-inducing responses to interferons. Kumar R, et al. **J Virol** 1987 Sep;61(9):2727–32

The regulated expression of Epstein-Barr virus: evidence that the transition from primary to secondary protein synthesis in Raji cells superinfected with Epstein-Barr virus requires the synthesis of new RNA. Bayliss GJ, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):99–102

Coupling of histone mRNA levels to radioresistant DNA synthesis in ataxia-telangiectasia cells. Lavin MF, et al. **Mol Cell Biochem** 1987 Jan;73(1):45–54

Eucaryotic RNA polymerase conditional mutant that rapidly ceases mRNA synthesis. Nonet M, et al. **Mol Cell Biol** 1987 May;7(5):1602–11

Genetic variations in kinetic constants that describe beta-glucuronidase mRNA induction in androgen-treated mice. Watson G, et al. **Mol Cell Biol** 1987 Mar;7(3):1085–90

Induction of mRNA for tyrosine hydroxylase by cyclic AMP and glucocorticoids in a rat pheochromocytoma cell line: evidence for the regulation of tyrosine hydroxylase synthesis by multiple mechanisms in cells exposed to elevated levels of both inducing agents. Tank AW, et al. **Mol Pharmacol** 1986 Nov;30(5):497–503

Coordinate expression of hypothalamic pro-dynorphin and pro-vasopressin mRNAs with osmotic stimulation. Sherman TG, et al. **Neuroendocrinology** 1986;44(2):222–8

Quantitative in situ hybridization histochemistry reveals increased levels of corticotropin-releasing factor mRNA after adrenalectomy in rats. Young WS 3d, et al. **Neurosci Lett** 1986 Oct 8;70(2):198–203

Adenosine deaminase mRNA expression is regulated posttranscriptionally during differentiation of HL-60 cells. Berkvens TM, et al. **Nucleic Acids Res** 1987 Aug 25; 15(16):6575–87

The nucleotide sequence of the extreme 5' end of the avian coronavirus genome; implications for the discontinuous mRNA synthesis. Bredenbeek PJ, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7806

Changes in minor transcripts from the alpha 1 and beta maj globin and glutathione peroxidase genes during erythropoiesis. Frampton J, et al. **Nucleic Acids Res** 1987 May 11;15(9):3671–88

Effects of UV, 4-NQO and TPA on gene expression in cultured human epidermal keratinocytes. Kartasova T, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):5945–62

Oestrogen regulates cathepsin D mRNA levels in oestrogen responsive human breast cancer cells. Westley BR, et al. **Nucleic Acids Res** 1987 May 11;15(9):3773–86

Poly-A+ mRNA and defeminization of sexual behavior and gonadotropin secretion in rats. Ulibarri C, et al. **Physiol Behav** 1987;39(6):767–74

Expression of c-mos RNA in germ cells of male and female mice. Goldman DS, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4509–13

Mevinolin, an inhibitor of cholesterol synthesis, induces mRNA for low density lipoprotein receptor in livers of hamsters and rabbits. Ma PT, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8370–4

Induction of c-fos and c-myc mRNA by epidermal growth factor or calcium ionophore is cAMP dependent. Ran W, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8216–20

Depolarizing influences regulate preprotachykinin mRNA in sympathetic neurons. Roach A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5078–81

Interferon messenger RNA is produced constitutively in the organs of normal individuals. Tovey MG, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5038–42

Alterations in T4 (CD4) protein and mRNA synthesis in cells infected with HIV. Hoxie JA, et al. **Science** 1986 Nov 28; 234(4780):1123–7

The effects of 1,25-dihydroxyvitamin D3 on the synthesis of pre-proparathyroid hormone mRNA. Russell J, et al. **Trans Assoc Am Physicians** 1986;99:189–96

CLASSIFICATION

The distribution of codons by classes of triplets in the sequence of genes. Portelli C, et al. **Physiologie** 1986 Jul–Sep;23(3):209–12

DRUG EFFECTS

1,25-Dihydroxyvitamin D3-stimulated mRNAs in rat small intestine. Kessler MA, et al. **Arch Biochem Biophys** 1986 Dec;251(2):403–12

Role of cyclosporin A in macromolecular synthesis of beta-cells. Eun HM, et al. **Diabetes** 1987 Aug;36(8):952–8

Effects of insulin and glucose on cultured rat hepatocyte gene expression. Mooradian AD, et al. **Diabetes** 1987 Aug; 36(8):938–43

Effect of estrogen on the expression of mRNAs of different actin isoforms in immature rat uterus. Cloning of alpha-smooth muscle actin message. Hsu CY, et al. **J Biol Chem** 1987 Jul 15;262(20):9594–600

Regulation of fibronectin and type I collagen mRNA levels by transforming growth factor-beta. Ignotz RA, et al. **J Biol Chem** 1987 May 15;262(14):6443–6

A role for glucocorticoids in the polyphosphoinositide second messenger system. Sorenson D. **Med Hypotheses** 1987 Mar;22(3):309–19 (53 ref.)

The inhibition of interleukin 2 (IL-2) gene expression at the level of messenger RNA by in vivo cyclosporine treatment in kidney transplant recipients. Yoshimura N, et al. **Transplant Proc** 1987 Aug;19(4):3510–2

GENETICS

Human acid beta-glucosidase: Northern blot and S1 nuclease analysis of mRNA from HeLa cells and normal and Gaucher disease fibroblasts. Graves PN, et al. **Am J Hum Genet** 1986 Dec;39(6):763-74

Cell-free translation of a chimeric eucaryotic-procaryotic message yields functional chloramphenicol acetyltransferase. Hodges WM, et al. **Anal Biochem** 1987 Jan;160(1):65-7

Detection of oncogene mRNA sequences in cultured cells by in situ hybridization. Stoner GD, et al. **Ann Clin Lab Sci** 1987 Mar-Apr;17(2):74-82

Regulation and structure of murine malic enzyme mRNA. Bagchi S, et al. **Ann NY Acad Sci** 1986;478:77-92 (56 ref.)

Molecular and immunocytochemical studies of neurofibromas and related cell types. Pintar JE, et al. **Ann NY Acad Sci** 1986;486:96-106

Alternative splicing: a ubiquitous mechanism for the generation of multiple protein isoforms from single genes. Breitbart RE, et al. **Annu Rev Biochem** 1987;56:467-95 (132 ref.)

Pre-mRNA splicing. Green MR. **Annu Rev Genet** 1986; 20:671-708 (186 ref.)

Specific hybridization arrest of dihydrofolate reductase mRNA in vitro using anti-sense RNA or anti-sense oligonucleotides. Maher LJ 3d, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):214-20

In vitro translation of mRNA species from cells infected with Machupo virus. Lukashevich IS, et al. **Arch Virol** 1987; 92(3-4):315-9

Thyroid hormone stimulates rat pro-natriodilatin mRNA levels in primary cardiocyte cultures. Argentin S, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1336-41

In situ hybridization of oxytocin messenger RNA: macroscopic distribution and quantitation in rat hypothalamic cell groups. Burbach JP, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):10-4

cDNA cloning and characterization of vinculin mRNA. Coutu MD, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):637-43

The induction of IFN-gamma production and m-RNAs of interleukin 2 and IFN-gamma by phorbol esters and a calcium ionophore. Croll AD, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):927-33

Isolation of a novel cDNA clone for human tyrosine hydroxylase: alternative RNA splicing produces four kinds of mRNA from a single gene. Kaneda N, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):971-5

Characterization and cloning of androgen-repressed mRNAs from rat ventral prostate. Léger JG, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):196-203

Reversion of hydroxyurea resistance, decline in ribonucleotide reductase activity, and loss of M2 gene amplification. McClarty GA, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1276-82

cDNA cloning of IL-1 alpha and IL-1 beta from mRNA of U937 cell line. Nishida T, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):345-52

Ornithine transcarbamylase deficiency in spf and spf-ash mice: genes, mRNAs and mRNA precursors. Ohtake A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1064-70

Reversion of 7-methylguanosine 5'-phosphate inhibition of mRNA translation by polysomal and soluble factors isolated from Saccharomyces cerevisiae. Parets Suler A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1093-101

Increased messenger RNA concentration for carbamoyl-phosphate synthase II in hepatoma 3924A. Reardon MA, et al. **Biochem Biophys Res Commun** 1987 Aug 31;147(1):494-500

A direct evidence for the involvement of poly(A) in protein synthesis. Rubin HN, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):649-56

Angiogenin mRNA in human tumor and normal cells. Rybak SM, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1240-8

Fat feeding stimulates only one of the two mRNAs encoding rat intestinal membranous and secreted alkaline phosphatase. Seetharam S, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):363-8

Stimulation of procollagenase synthesis parallels increases in cellular procollagenase mRNA in human articular chondrocytes exposed to recombinant interleukin 1 beta or phorbol ester. Stephenson ML, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):583-90

Tissue distribution of mRNAs encoding the alpha isoforms and beta subunit of rat Na+,K+-ATPase. Young RM, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):52-8

In vivo processing of rat aldolase B mRNA precursor. Tsutsumi R, et al. **Biochem Int** 1986 Nov;13(5):781-6

Quantitation of translatable (Cu2+,Zn2+)superoxide dismutase messenger-RNA in lungs of endotoxin-treated O2-exposed rats. Hass MA, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):298-9

Brain messenger RNA levels and ribonuclease activity in Alzheimer's disease. Morrison MR, et al. **Biochem Soc Trans** 1987 Feb;15(1):133-4

mRNA-directed synthesis and insertion of functional amino acid receptors in Xenopus laevis oocytes. Smart TG, et al. **Biochem Soc Trans** 1987 Feb;15(1):117-22

Half-life of synovial cell collagenase mRNA is modulated by phorbol myristate acetate but not by all-trans-retinoic acid or dexamethasone. Brinckerhoff CE, et al. **Biochemistry** 1986 Oct 21;25(21):6378-84

Complementary DNA derived structure of the amino-terminal domain of human apolipoprotein B and size of its messenger RNA transcript. Cladaras C, et al. **Biochemistry** 1986 Sep 23;25(19):5351-7

Isolation of full-length putative rat lysophospholipase cDNA using improved methods for mRNA isolation and cDNA cloning. Han JH, et al. **Biochemistry** 1987 Mar 24; 26(6):1617-25

Regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase mRNA levels by L-triiodothyronine. Sample CE, et al. **Biochemistry** 1987 Feb 10;26(3):727-31

Human liver fibronectin complementary DNAs: identification of two different messenger RNAs possibly encoding the alpha and beta subunits of plasma fibronectin. Sekiguchi K, et al. **Biochemistry** 1986 Aug 26; 25(17):4936-41

Transcriptional regulation by thyroid hormone of an mRNA homologous to a protease inhibitor. Tecce MF, et al. **Biochemistry** 1986 Sep 23;25(19):5831-4

Changes in the levels of translatable glutaminase mRNA during onset and recovery from metabolic acidosis. Tong J, et al. **Biochemistry** 1987 May 19;26(10):2773-7

Transcriptional and posttranscriptional effects of dexamethasone on albumin and procollagen messenger RNAs in murine schistosomiasis. Weiner FR, et al. **Biochemistry** 1987 Mar 24;26(6):1557-62

A family of fibronectin mRNAs in human normal and transformed cells. Colombi M, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):207-14

A systematic survey of repetitive sequences abundantly expressed in rat tumors. Kohnoe S, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):107-14

Asymmetry in the distributions of the four nucleotides at mRNA initiation and 3' termini sites: some geometrical implications. Nussinov R. **Biochim Biophys Acta** 1987 Feb 27;908(2):143-9

Cell-free translation of avian adipose tissue lipoprotein lipase messenger RNA. Strieleman PJ, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):268-74

Anti-messenger oligodeoxynucleotides: specific inhibition of rabbit beta-globin synthesis in wheat germ extracts and Xenopus oocytes. Cazenave C, et al. **Biochimie** 1986 Sep; 68(9):1063-9

Ovine beta-lactoglobulin messenger RNA: nucleotide sequence and mRNA levels during functional differentiation of the mammary gland. Gaye P, et al. **Biochimie** 1986 Sep;68(9):1097-107

A single gene produces multiple sericin messenger RNAs in the silk gland of Bombyx mori. Michaille JJ, et al. **Biochimie** 1986 Oct-Nov;68(10-11):1165-73

Branched RNA. Edmonds M. **Bioessays** 1987 May;6(5):212-6

The control of transcription in Saccharomyces cerevisiae. Stanway C, et al. **Bioessays** 1987 Aug;7(2):62-7 (65 ref.)

Quantification of calcitonin gene expression at the cellular level in medullary carcinoma of the thyroid. Nöel M, et al. **Biol Cell** 1986;57(2):181-4

Stage-dependent levels of specific mRNA transcripts in Sertoli cells. Morales C, et al. **Biol Reprod** 1987 May; 36(4):1035-46

Evidence for insulin synthesis in normal mouse seminal vesicle based on in situ RNA-DNA hybridization. Stahler MS, et al. **Biol Reprod** 1987 May;36(4):999-1006

Cloning of reticulocyte lipoxygenase mRNA. Thiele BJ, et al. **Biomed Biochim Acta** 1987;46(2-3):S120-3

alpha- and beta-adrenergic control of thermogenin mRNA expression in brown adipose tissue. Jacobsson A, et al. **Biosci Rep** 1986 Jul;6(7):621-31

Oligonucleotides as probes for mammalian protamine mRNAs. Krawetz SA, et al. **Biosci Rep** 1986 Jun; 6(6):585-90

An alpha-globin gene initiation codon mutation in a black family with HbH disease. Olivieri NF, et al. **Blood** 1987 Sep;70(3):729-32

Messenger RNA from insect nervous tissue induces expression of neuronal acetylcholine receptors in Xenopus oocytes. Breer H, et al. **Brain Res** 1986 Nov;387(2):111-7

Synthesis of messenger RNAs for transforming growth factors alpha and beta and the epidermal growth factor receptor by human tumors. Derynck R, et al. **Cancer Res** 1987 Feb 1;47(3):707-12

Expression of albumin messenger RNA detected by in situ hybridization in preneoplastic and neoplastic lesions in rat liver. Schwarz M, et al. **Cancer Res** 1986 Nov; 46(11):5903-12

5' cleavage site in eukaryotic pre-mRNA splicing is determined by the overall 5' splice region, not by the conserved 5' GU. Aebi M, et al. **Cell** 1987 Jul 17; 50(2):237-46

Sequence requirements for splicing of higher eukaryotic nuclear pre-mRNA. Aebi M, et al. **Cell** 1986 Nov 21; 47(4):555-65

A mitochondrial RNA maturase gene transferred to the yeast nucleus can control mitochondrial mRNA splicing. Banroques J, et al. **Cell** 1986 Sep 12;46(6):837-44

Vaccinia virus produces late mRNAs by discontinuous synthesis. Bertholet C, et al. **Cell** 1987 Jul 17;50(2):153-62

Distinct patterns of expression of different protein kinase C mRNAs in rat tissues. Brandt SJ, et al. **Cell** 1987 Apr 10; 49(1):57-63

Transcription termination at lambda tR1 is mediated by interaction of rho with specific single-stranded domains near the 3' end of cro mRNA. Chen CY, et al. **Cell** 1986 Sep 26;46(7):1023-8

A potential role for RNA transcribed from B2 repeats in the regulation of mRNA stability. Clemens MJ. **Cell** 1987 Apr 24;49(2):157-8

Repression and turnover pattern fushi tarazu RNA in the early Drosophila embryo. Edgar BA, et al. **Cell** 1986 Dec 5;47(5):747-54

Sequences that confer beta-tubulin autoregulation through modulated mRNA stability reside within exon 1 of a beta-tubulin mRNA. Gay DA, et al. **Cell** 1987 Aug 28; 50(5):671-9

A cis-acting element within the 5' leader of a cytomegalovirus beta transcript determines kinetic class. Geballe AP, et al. **Cell** 1986 Sep 12;46(6):865-72

Position-dependent sequence elements downstream of AAUAAA are required for efficient rabbit beta-globin mRNA 3' end formation. Gil A, et al. **Cell** 1987 May 8; 49(3):399-406

Multiple self-splicing introns in bacteriophage T4: evidence from autocatalytic GTP labeling of RNA in vitro. Gott JM, et al. **Cell** 1986 Oct 10;47(1):81-7

Evidence for in vivo trans splicing of pre-mRNAs in tobacco chloroplasts. Koller B, et al. **Cell** 1987 Jan 16;48(1):111-9

Bifunctional messenger RNAs in eukaryotes. Kozak M. **Cell** 1986 Nov 21;47(4):481-3

A trans-spliced leader sequence on actin mRNA in C. elegans. Krause M, et al. **Cell** 1987 Jun 19;49(6):753-61

Identification of a novel Y branch structure as an intermediate in trypanosome mRNA processing: evidence for trans splicing. Murphy WJ, et al. **Cell** 1986 Nov 21; 47(4):517-25

Stabilization of translationally active mRNA by prokaryotic REP sequences. Newbury SF, et al. **Cell** 1987 Jan 30; 48(2):297-310

Splicing of SV40 early pre-mRNA to large T and small t mRNAs utilizes different patterns of lariat branch sites. Noble JC, et al. **Cell** 1987 Jul 17;50(2):227-36

Alternative splicing of E1A transcripts of adenovirus requires appropriate ionic conditions in vitro. Schmitt P, et al. **Cell** 1987 Jul 3;50(1):31-9

Discontinuous transcription or RNA processing of vaccinia virus late messengers results in a 5' poly(A) leader. Schwer B, et al. **Cell** 1987 Jul 17;50(2):163-9

Trans splicing: variation on a familiar theme? Sharp PA. **Cell** 1987 Jul 17;50(2):147-8

Evidence for trans splicing in trypanosomes. Sutton RE, et al. **Cell** 1986 Nov 21;47(4):527-35

A protein that specifically recognizes the 3' splice site of mammalian pre-mRNA introns is associated with a small nuclear ribonucleoprotein. Tazi J, et al. **Cell** 1986 Dec 5; 47(5):755-66

Immunohistochemical localization of albumin and in situ hybridization of albumin mRNA. Shroyer KR, et al. **Cell Biochem Funct** 1987 Jul;5(3):195-210

Different levels of thyroglobulin mRNA in normal and neoplastic human thyroids. Rossi P, et al. **Cell Biol Int Rep** 1986 Aug;10(8):588

Analysis and in situ detection of cholecalcin messenger RNA (9000 Mr CaBP) in the uterus of the pregnant rat. Warembourg M, et al. **Cell Tissue Res** 1987 Jan;247(1):51-7

Correlated changes in steady-state levels of Balbiani ring mRNAs and secretory polypeptides in salivary glands of Chironomus tentans. Case ST. **Chromosoma** 1986; 94(6):483-91

Homology between exon-containing portions of rabbit genomic clones for synovial cell collagenase and human foreskin and synovial cell mRNAs. Fini ME, et al. **Coll Relat Res** 1986 Jul;6(3):239-48

The gene coding for tropoelastin is represented as a single copy sequence in the haploid sheep genome. Olliver L, et al. **Coll Relat Res** 1987 Apr;7(1):77-89

Biosynthetic precursors of cartilage chondroitin sulfate proteoglycan. Vertel BM, et al. **Coll Relat Res** 1987 Apr; 7(1):57-75

Structure and expression of c-myb protooncogene mRNA in murine B-cells. Bender TP, et al. **Curr Top Microbiol Immunol** 1986;132:153-8

Induction of fgr proto-oncogene mRNA in B lymphocytes as a consequence of Epstein-Barr virus infection. Cheah MS, et al. **Curr Top Microbiol Immunol** 1986;132:237-45

Altered c-myc RNA metabolism in Burkitt's lymphomas and mouse plasmacytomas. Piechaczyk M, et al. **Curr Top Microbiol Immunol** 1986;132:331-8

Regulation of c-myc mRNA and protein levels during activation of normal human B cells. Smeland EB, et al. **Curr Top Microbiol Immunol** 1986;132:290-6

mRNA species regulated during the differentiation of HL-60 cells to macrophages and neutrophils. Davis RC, et al. **Dev Biol** 1987 Jan;119(1):164-74

Vitellogenin mRNA in locust fat body: coordinate induction of two genes by a juvenile hormone analog. Dhadialla TS, et al. **Dev Biol** 1987 Sep;123(1):108-14

Accumulation kinetics of cotton late embryogenesis-abundant mRNAs and storage protein mRNAs: coordinate regulation during embryogenesis and the role of abscisic acid. Galau GA, et al. **Dev Biol** 1987 Sep;123(1):198-212

The chicken thymidine kinase gene is transcriptionally

repressed during terminal differentiation: the associated decline in TK mRNA cannot account fully for the disappearance of TK enzyme activity. Gross MK, et al. **Dev Biol** 1987 Aug;122(2):439–51

Translation of mouse testis poly(A)+ mRNAs for testis–specific protein, protamine 1, and the precursor for protamine 2. Kleene KC, et al. **Dev Biol** 1987 Sep; 123(1):125–35

Widespread changes in the translation and adenylation of maternal messenger RNAs following fertilization of Spisula oocytes. Rosenthal ET, et al. **Dev Biol** 1987 May; 121(1):237–46

Three translationally regulated mRNAs are stored in the cytoplasm of clam oocytes. Swenson KI, et al. **Dev Biol** 1987 Sep;123(1):10–6

Cytokeratin expression in simple epithelia. III. Detection of mRNAs encoding human cytokeratins nos. 8 and 18 in normal and tumor cells by hybridization with cDNA sequences in vitro and in situ. Leube RE, et al. **Differentiation** 1986;33(1):69–85

Differential expression in murine somatic and germinal tissues of transcripts homologous to an abundant embryonal–carcinoma–cell mRNA. Mutter GL, et al. **Differentiation** 1987;34(2):126–30

Characterization of pancreatic elastase II cDNAs: two elastase II mRNAs are expressed in human pancreas. Kawashima I, et al. **DNA** 1987 Apr;6(2):163–72

Accurate in vitro splicing of two pre–mRNA plant introns in a HeLa cell nuclear extract. Brown JW, et al. **EMBO J** 1986 Nov;5(11):2749–58

Sequences controlling histone H4 mRNA abundance. Capasso O, et al. **EMBO J** 1987 Jun;6(6):1825–31

Two spliceosomes can form simultaneously and independently on synthetic double–intron messenger RNA precursors. Christofori G, et al. **EMBO J** 1987 Jun; 6(6):1747–55

At least two nuclear gene products are specifically required for translation of a single yeast mitochondrial mRNA. Costanzo MC, et al. **EMBO J** 1986 Dec 20;5(13):3637–41

A 5' duplication of the alpha–cardiac actin gene in BALB/c mice is associated with abnormal levels of alpha–cardiac and alpha–skeletal actin mRNAs in adult cardiac tissue. Garner I, et al. **EMBO J** 1986 Oct;5(10):2559–67

Translational efficiency of polycistronic mRNAs and their utilization to express heterologous genes in mammalian cells. Kaufman RJ, et al. **EMBO J** 1987 Jan;6(1):187–93

Alpha 2–macroglobulin gene expression during rat development studied by in situ hybridization. Kodelja V, et al. **EMBO J** 1986 Dec 1;5(12):3151–6

Transforming growth factor–beta is a strong and fast acting positive regulator of the level of type–1 plasminogen activator inhibitor mRNA in WI–38 human lung fibroblasts. Lund LR, et al. **EMBO J** 1987 May;6(5):1281–6

RNA 3' processing regulates histone mRNA levels in a mammalian cell cycle mutant. A processing factor becomes limiting in G1–arrested cells. Luscher B, et al. **EMBO J** 1987 Jun;6(6):1721–6

Alternative processing of H–2Dd pre–mRNAs results in membrane expression of differentially phosphorylated protein products. McCluskey J, et al. **EMBO J** 1986 Oct; 5(10):2477–83

Developmental and transformation–sensitive expression of the Sparc gene on mouse chromosome 11. Mason IJ, et al. **EMBO J** 1986 Aug;5(8):1831–7

Suppression of urokinase–type plasminogen activator mRNA levels in human fibrosarcoma cells and synovial fibroblasts by anti–inflammatory glucocorticoids. Medcalf RL, et al. **EMBO J** 1986 Sep;5(9):2217–22

Nuclear pre–mRNA splicing in the fission yeast Schizosaccharomyces pombe strictly requires an intron–containing, conserved sequence element. Mertins P, et al. **EMBO J** 1987 Jun;6(6):1757–63

Noncoding 3' sequences of the transferrin receptor gene are required for mRNA regulation by iron. Owen D, et al. **EMBO J** 1987 May;6(5):1287–93

Differential nuclease sensitivity identifies tight contacts between yeast pre–mRNA and spliceosomes. Rymond BC, et al. **EMBO J** 1986 Dec 20;5(13):3517–23

A signal regulating mouse histone H4 mRNA levels in a mammalian cell cycle mutant and sequences controlling RNA 3' processing are both contained within the same 80–bp fragment. Stauber C, et al. **EMBO J** 1986 Dec 1; 5(12):3297–303

Xenopus myc proto–oncogene during development: expression as a stable maternal mRNA uncoupled from cell division. Taylor MV, et al. **EMBO J** 1986 Dec 20; 5(13):3563–70

Control of replication of plasmid R1: translation of the 7k reading frame in the RepA mRNA leader region counteracts the interaction between CopA RNA and CopT RNA. Wagner EG, et al. **EMBO J** 1987 Feb;6(2):515–22

Formation of mRNA 3' termini: stability and dissociation of a complex involving the AAUAAA sequence. Zarkower D, et al. **EMBO J** 1987 Jan;6(1):177–86

Glucocorticoid–induced messenger ribonucleic acids in rat thymic lymphocytes: rapid primary effects specific for glucocorticoids. Colbert RA, et al. **Endocrinology** 1986 Dec;119(6):2598–605

Expression of the prodynorphin gene in male and female mammalian reproductive tissues. Douglass J, et al. **Endocrinology** 1987 Feb;120(2):707–13

Nutritionally–induced changes in hepatic insulin–like growth factor I (IGF–I) gene expression in rats. Emler CA, et al. **Endocrinology** 1987 Feb;120(2):832–4

Relative increase in insulin–like growth factor I messenger ribonucleic acid levels in compensatory renal hypertrophy. Fagin JA, et al. **Endocrinology** 1987 Feb;120(2):718–24

Initiation of normal thyroid cells in primary culture associated with enhanced c–myc messenger ribonucleic acid levels. Hirayu H, et al. **Endocrinology** 1987 Mar; 120(3):924–8

Interleukin–1 stimulates thyroid cell growth and increases the concentration of the c–myc proto–oncogene mRNA in thyroid follicular cells in culture. Mine M, et al. **Endocrinology** 1987 Mar;120(3):1212–4

Molecular cloning and nucleotide sequence of full–length cDNA for sweet potato catalase mRNA. Sakajo S, et al. **Eur J Biochem** 1987 Jun 1;165(2):437–42

Ribosomal protein, histone and calmodulin mRNAs are differently regulated at the translational level during oogenesis of Xenopus laevis. Cardinali B, et al. **Exp Cell Res** 1987 Apr;169(2):432–41

Bombesin stimulation of c–fos and c–myc gene expression in cultures of Swiss 3T3 cells. Palumbo AP, et al. **Exp Cell Res** 1986 Nov;167(1):276–80

Effects of epidermal growth factor and platelet–derived growth factor on c–fos and c–myc mRNA levels in normal human fibroblasts. Paulsson Y, et al. **Exp Cell Res** 1987 Jul;171(1):186–94

Tumorigenic Xenopus cells express several maternal and early embryonic mRNAs. Picard JJ, et al. **Exp Cell Res** 1986 Nov;167(1):157–65

Molecular cloning of mRNA sequences transiently induced during rat liver regeneration. Sobczak J, et al. **Exp Cell Res** 1987 Mar;169(1):47–56

Accumulation of heat shock protein 70 RNA and its relationship to protein synthesis after heat shock in mammalian cells. Widelitz RB, et al. **Exp Cell Res** 1987 Feb;168(2):539–45

Alteration of the ATG start codon of the A protein of bacteriophage phi X174 into an ATT codon yields a viable phage indicating that A protein is not essential for phi X174 reproduction. Baas PD, et al. **FEBS Lett** 1987 Jun 22; 218(1):119–25

Correlation between molecular clock ticking, codon usage fidelity of DNA repair, chromosome banding and chromatin compactness in germline cells. Filipski J. **FEBS Lett** 1987 Jun 15;217(2):184–6

Identification of the proteins in direct contact with duck globin mRNA. Lockard RE. **FEBS Lett** 1987 Jul 27; 219(2):410–4

Oestrogen–induced expression of oncogenes in the immature rat uterus. Travers MT, et al. **FEBS Lett** 1987 Jan 19; 211(1):27–30

Isolation and partial characterization of Japanese quail oviduct mRNAs. Klaudinyová V, et al. **Folia Biol (Praha)** 1986;32(4):273–81

Cerulein mRNA and peptide alpha–amidation activity in the skin of Xenopus laevis: stimulation by norepinephrine. Spindel ER, et al. **Gen Comp Endocrinol** 1987 Jul; 67(1):67–76

A new approach to high sensitivity differential hybridization. Boll W, et al. **Gene** 1986;50(1–3):41–53

Characterisation of an mRNA encoding a human ribosomal protein homologous to the yeast L44 ribosomal protein. Davies MS, et al. **Gene** 1986;45(2):183–91

A plasmid expression vector that permits stabilization of both mRNAs and proteins encoded by the cloned genes. Duvoisin RM, et al. **Gene** 1986;45(2):193–201

Molecular cloning of sequences encoding the human heat–shock proteins and their expression during hyperthermia. Hickey E, et al. **Gene** 1986;43(1–2):147–54

Translation of homologous and heterologous messenger RNAs in a yeast cell–free system. Hussain I, et al. **Gene** 1986;46(1):13–23

Expression of anti–sense mRNA in H–ras transfected NIH/3T3 cells does not suppress the transformed phenotype. Salmons B, et al. **Gene** 1986;45(2):215–20

Mutations that affect the efficiency of translation of mRNA for the cII gene of coliphage lambda. Dul E, et al. **Genetics** 1987 Apr;115(4):585–90

PET111, a Saccharomyces cerevisiae nuclear gene required for translation of the mitochondrial mRNA encoding cytochrome c oxidase subunit II. Poutre CG, et al. **Genetics** 1987 Apr;115(4):637–47

Evolution of steroid–inducible RP2 mRNA expression in the mouse kidney. Tseng–Crank J, et al. **Genetics** 1987 Aug; 116(4):593–9

Molecular cloning of DNA complementary to Drosophila melanogaster alpha–amylase mRNA. Benkel BF, et al. **Genome** 1987 Jun;29(3):510–5

The structure of the human apolipoprotein genes. Chan L. **Hepatology** 1987 Jan–Feb;7(1 Suppl):56S–60S

Glycosaminoglycans and proteoglycans induce gap junction expression and restore transcription of tissue–specific mRNAs in primary liver cultures. Fujita M, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):1S–9S

Liver–specific gene expression in various pathophysiologic states. Panduro A, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):10S–18S

Development of molecular hybridization technology to evaluate albumin and procollagen mRNA content in baboons and man. Weiner FR, et al. **Hepatology** 1987 Jan–Feb;7(1 Suppl):19S–25S

Structure of an abnormal messenger RNA for argininosuccinate synthetase in citrullinemia. Kobayashi K, et al. **Hum Genet** 1987 May;76(1):27–32

Thyrotropin–releasing hormone increases the levels of c–fos and beta–actin mRNA in GH3/B6 pituitary tumor cells. Weisman AS, et al. **In Vitro Cell Dev Biol** 1987 Aug; 23(8):585–90

Hen vitellogenin genes: a study of the distribution of phosvitin phosphoprotein coding sequences using mRNA hybridization with synthetic complementary oligonucleotide probes. Wicks RJ, et al. **Int J Biochem** 1987;19(1):33–9

Hybridization and partial cDNA sequence analyses of bovine lung angiotensin I–converting enzyme. Deluca–Flaherty C, et al. **Int J Pept Protein Res** 1987 Jun;29(6):678–84

Polyadenylated, cytoplasmic transcripts of varicella–zoster virus. Maguire HF, et al. **Intervirology** 1986;26(4):181–91

Structure and expression of human and rat aldolase isozyme genes: multiple mRNA species of aldolase A produced from a single gene. Hori K, et al. **Isozymes Curr Top Biol Med Res** 1987;14:153–75 (35 ref.)

The mRNA for an inducible chloramphenicol acetyltransferase gene is cleaved into discrete fragments in Bacillus subtilis. Ambulos NP Jr, et al. **J Bacteriol** 1987 Mar;169(3):967–72

Expression of a tRNA gene in the context of the lacZ mRNA. Murakawa GJ, et al. **J Bacteriol** 1987 Feb;169(2):546–52

Isolation and characterization of the cDNAs corresponding to mRNAs abundant in undifferentiated mouse embryonal teratocarcinoma stem cells, but not in differentiated mouse parietal endoderm cells. Ikuma S, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1185–92

Molecular cloning and sequence analysis of full–length cDNA for rabbit liver NADPH–cytochrome P–450 reductase mRNA. Katagiri M, et al. **J Biochem (Tokyo)** 1986 Oct;100(4):945–54

Cloning and expression of human lymphotoxin mRNA derived from a human T cell hybridoma. Kobayashi Y, et al. **J Biochem (Tokyo)** 1986 Sep;100(3):727–33

Two types of coagulogen mRNAs found in horseshoe crab (Tachypleus tridentatus) hemocytes: molecular cloning and nucleotide sequences. Miyata T, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):213–20

Fructose induces and glucose represses chloroperoxidase mRNA levels. Axley MJ, et al. **J Biol Chem** 1986 Nov 15;261(32):15058–61

Steroid hormone regulation of the gene encoding the chicken heat shock protein hsp 108. Baez M, et al. **J Biol Chem** 1987 May 15;262(14):6582–8

Skeletal muscle phosphorylase kinase catalytic subunit mRNAs are expressed in heart tissue but not in liver. Bender PK, et al. **J Biol Chem** 1987 Jun 25; 262(18):8799–805

Identification of the mucin core protein by cell–free translation of messenger RNA from bovine submaxillary glands. Bhavanandan VP, et al. **J Biol Chem** 1987 Apr 25;262(12):5913–7

Electrophoretic separation of in vitro translation products on giant two–dimensional gels allows detailed analysis of cellular mRNAs. Colbert RA, et al. **J Biol Chem** 1986 Nov 5;261(31):14733–9

The human pyruvate dehydrogenase complex. Isolation of cDNA clones for the E1 alpha subunit, sequence analysis, and characterization of the mRNA. Dahl HH, et al. **J Biol Chem** 1987 May 25;262(15):7398–403

Structure and expression of dog apolipoprotein C–II and C–III mRNAs. Implications for the evolution and functional constraints of apolipoprotein structure. Datta S, et al. **J Biol Chem** 1987 Aug 5;262(22):10588–93

Differences in the regulation of messenger RNA for housekeeping and specialized–cell ferritin. A comparison of three distinct ferritin complementary DNAs, the corresponding subunits, and identification of the first processed in amphibia. Dickey LF, et al. **J Biol Chem** 1987 Jun 5;262(16):7901–7

Cloning and sequencing of complementary DNAs encoding the alpha–subunit of translational initiation factor eIF–2. Characterization of the protein and its messenger RNA. Ernst H, et al. **J Biol Chem** 1987 Jan 25;262(3):1206–12

Deletion of the propeptide from human preproapolipoprotein A–II redirects cotranslational processing by signal peptidase. Folz RJ, et al. **J Biol Chem** 1986 Nov 5; 261(31):14752–9

Structure and expression of the rat insulin–like growth factor II (rIGF–II) gene. rIGF–II RNAs are transcribed from two promoters. Frunzio R, et al. **J Biol Chem** 1986 Dec 25;261(36):17138–49

Induction, identification, and cell–free translation of mRNAs coding for peroxisomal proteins in Candida tropicalis. Fujiki Y, et al. **J Biol Chem** 1986 Nov 25;261(33):15787–93

Antisense oligodeoxynucleotides provide insight into mechanism of translation initiation of two Sendai virus mRNAs. Gupta KC. **J Biol Chem** 1987 Jun 5; 262(16):7492–6

Closely related alpha–tropomyosin mRNAs in quail fibroblasts and skeletal muscle cells. Hallauer PL, et al. **J Biol Chem** 1987 Mar 15;262(8):3590–6

Cloning and characterization of cDNA encoding 3–methylcholanthrene inducible rat mRNA for UDP–glucuronosyltransferase. Iyanagi T, et al. **J Biol Chem** 1986 Nov 25;261(33):15607–14

Characterization of a second gene product related to rabbit

cytochrome P-450 1. Johnson EF, et al. **J Biol Chem** 1987 Apr 25;262(12):5918–23
Developmental and tissue-specific expression of alpha 1-microglobulin mRNA in the rat. Kastern W, et al. **J Biol Chem** 1986 Nov 15;261(32):15070–4
Three cDNA sequences of mouse type I keratins. Cellular localization of the mRNAs in normal and hyperproliferative tissues. Knapp B, et al. **J Biol Chem** 1987 Jan 15;262(2):938–45
Human alpha-globin gene expression. The dominant role of the alpha 2-locus in mRNA and protein synthesis. Liebhaber SA, et al. **J Biol Chem** 1986 Nov 15; 261(32):15327–33
Somatomedin-C/insulin-like growth factor-I and insulin-like growth factor-II mRNAs in rat fetal and adult tissues. Lund PK, et al. **J Biol Chem** 1986 Nov 5; 261(31):14539–44
Induction of thrombospondin messenger RNA levels occurs as an immediate primary response to platelet-derived growth factor. Majack RA, et al. **J Biol Chem** 1987 Jun 25;262(18):8821–5
A cDNA encoding protein kinase C identifies two species of mRNA in brain and GH3 cells. Makowske M, et al. **J Biol Chem** 1986 Oct 15;261(29):13389–92
Identification of the genes in the Escherichia coli ileS-lsp operon. Analysis of multiple polycistronic mRNAs made in vivo. Miller KW, et al. **J Biol Chem** 1987 May 25; 262(15):7391–7
Nonmuscle and smooth muscle myosin light chain mRNAs are generated from a single gene by the tissue-specific alternative RNA splicing. Nabeshima Y, et al. **J Biol Chem** 1987 Aug 5;262(22):10608–12
The M1- and M2-type isozymes of rat pyruvate kinase are produced from the same gene by alternative RNA splicing. Noguchi T, et al. **J Biol Chem** 1986 Oct 15; 261(29):13807–12
Cloning and sequence analysis of mRNA for mouse aspartate aminotransferase isoenzymes [published erratum appears in J Biol Chem 1987 Apr 15;262(11):5431] Obaru K, et al. **J Biol Chem** 1986 Dec 25;261(36):16976–83
Phosphorylation of ribosomal protein S6 by cAMP-dependent protein kinase and mitogen-stimulated S6 kinase differentially alters translation of globin mRNA. Palen E, et al. **J Biol Chem** 1987 Mar 15;262(8):3518–23
Minimal exon sequence requirements for efficient in vitro splicing of mono-intronic nuclear pre-mRNA. Parent A, et al. **J Biol Chem** 1987 Aug 15;262(23):11284–91
Cloning and sequence of rat myoadenylate deaminase cDNA. Evidence for tissue-specific and developmental regulation. Sabina RL, et al. **J Biol Chem** 1987 Sep 15; 262(26):12397–400
cDNA sequence and tissue distribution of the mRNA for bovine and murine p11, the S100-related light chain of the protein-tyrosine kinase substrate p36 (calpactin I). Saris CJ, et al. **J Biol Chem** 1987 Aug 5;262(22):10663–71
Increased content of mRNA for a precursor of S-adenosylmethionine decarboxylase in rat prostate after treatment with 2-difluoromethylornithine. Shirahata A, et al. **J Biol Chem** 1986 Oct 15;261(29):13833–7
Identification of the primary translation product of atrial natriuretic peptide receptor mRNA in a cell-free system using anti-receptor antiserum. Uchida K, et al. **J Biol Chem** 1987 Sep 15;262(26):12401–2
5-Fluorouracil augmentation of dihydrofolate reductase RNA containing contiguous exon and intron sequences in KB7B cells. Will CL, et al. **J Biol Chem** 1987 Apr 25; 262(12):5433–6
Possible involvement of cyclic AMP and calcium ion in prostaglandin E1-induced elevation of c-myc mRNA levels in Swiss 3T3 fibroblasts. Yamashita T, et al. **J Biol Chem** 1986 Dec 25;261(36):16878–82
Multiple mRNAs from rat kidney and brain encode a single Na+,K+-ATPase beta subunit protein. Young RM, et al. **J Biol Chem** 1987 Apr 5;262(10):4905–10
Differential expression of metastasis-associated cell surface glycoproteins and mRNA in a murine large cell lymphoma. Nicolson GL, et al. **J Cell Biochem** 1986;31(4):305–12
Amplification of RNA and DNA specific for erb B in unbalanced 1;7 chromosomal translocation associated with myelodysplastic syndrome. Woloschak GE, et al. **J Cell Biochem** 1986;32(1):23–34
Monoclonal antibodies in the analysis of fibronectin isoforms generated by alternative splicing of mRNA precursors in normal and transformed human cells. Borsi L, et al. **J Cell Biol** 1987 Mar;104(3):595–600
Control of hsp70 RNA levels in human lymphocytes. Kaczmarek L, et al. **J Cell Biol** 1987 Feb;104(2):183–7
Identification and nuclear localization of yeast pre-messenger RNA processing components: RNA2 and RNA3 proteins. Last RL, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2103–12
Regulation of the mRNA levels of nimA, a gene required for the G2-M transition in Aspergillus nidulans. Osmani SA, et al. **J Cell Biol** 1987 Jun;104(6):1495–504
Differential accumulation of ribonucleotide reductase subunits in clam oocytes: the large subunit is stored as a polypeptide, the small subunit as untranslated mRNA. Standart N, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2129–36
Cloning and characterization of mammalian myosin regulatory light chain (RLC) cDNA: the RLC gene is expressed in smooth, sarcomeric, and nonmuscle tissues. Taubman MB, et al. **J Cell Biol** 1987 Jun;104(6):1505–13
Translational control of mRNA expression during the early mitogenic response in Swiss mouse 3T3 cells: identification of specific proteins. Thomas G, et al. **J Cell Biol** 1986 Dec; 103(6 Pt 1):2137–44
Regulation by aldosterone of Na+,K+-ATPase mRNAs, protein synthesis, and sodium transport in cultured kidney cells. Verrey F, et al. **J Cell Biol** 1987 May;104(5):1231–7
Leukocytes from four patients with complete or partial Leu-CAM deficiency contain the common beta-subunit precursor and beta-subunit messenger RNA. Dana N, et al. **J Clin Invest** 1987 Mar;79(3):1010–5
Distribution of glucose transporter messenger RNA transcripts in tissues of rat and man. Flier JS, et al. **J Clin Invest** 1987 Feb;79(2):657–61
Sodium regulation of angiotensinogen mRNA expression in rat kidney cortex and medulla. Ingelfinger JR, et al. **J Clin Invest** 1986 Nov;78(5):1311–5
Myosin heavy chain messenger RNA and protein isoform transitions during cardiac hypertrophy. Interaction between hemodynamic and thyroid hormone-induced signals. Izumo S, et al. **J Clin Invest** 1987 Mar;79(3):970–7
Insulinlike growth factor I regulation of growth hormone gene transcription in primary rat pituitary cells. Yamashita S, et al. **J Clin Invest** 1987 Feb;79(2):449–52
Molecular basis of salivary proline-rich protein and peptide synthesis: cell-free translations and processing of human and macaque statherin mRNAs and partial amino acid sequence of their signal peptides. Oppenheim FG, et al. **J Dent Res** 1987 Feb;66(2):462–6
Nucleotide sequence of the genome region encoding the 26S mRNA of eastern equine encephalomyelitis virus and the deduced amino acid sequence of the viral structural proteins. Chang GJ, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2129–42
Transcription in vitro of infectious haematopoietic necrosis virus, a fish rhabdovirus. Kurath G, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1767–71
The genome-linked proteins of aphthoviruses: specific immunoprecipitation of the three species detected on virus RNA and identification of possible precursors. Sangar DV, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2405–14
Translation products of mRNA from infective larvae of Trichinella spiralis include an antigenic polypeptide. Sugane K, et al. **J Helminthol** 1987 Mar;61(1):1–8
An efficient and general method for sequencing immunoglobulin mRNAs. Sood AK, et al. **J Immunol Methods** 1986 Dec 24;95(2):227–35
Efficient expression of unfused human alpha D-interferon in Escherichia coli using overlapping termination and initiation codons (TGATG) in its signal sequence. Hou YT, et al. **J Interferon Res** 1986 Aug;6(4):437–43
Chromosomal localization of the interferon-inducible human gene encoding mRNA 561. Kusari J, et al. **J Interferon Res** 1987 Feb;7(1):53–9
Cell-cycle-directed regulation of thymidylate synthase messenger RNA in human diploid fibroblasts stimulated to proliferate. Ayusawa D, et al. **J Mol Biol** 1986 Aug 20;190(4):559–67
Sense and antisense transcription of bacteriophage T4 gene 32. Processing and stability of the mRNAs. Belin D, et al. **J Mol Biol** 1987 Mar 20;194(2):231–43
Expression of three mRNA species from a single rat aldolase A gene, differing in their 5' non-coding regions. Joh K, et al. **J Mol Biol** 1986 Aug 5;190(3):401–10
3' non-translated region of human alpha-globin messenger RNA does not affect translation efficiency. Morle F, et al. **J Mol Biol** 1987 Feb 20;193(4):815–8
Molecular cloning of cDNA to mRNA for a cerebellar spot 35 protein. Yamakuni T, et al. **J Neurochem** 1987 May; 48(5):1590–6
Rat brain 5-HT1C receptors are encoded by a 5-6 kbase mRNA size class and are functionally expressed in injected Xenopus oocytes. Lübbert H, et al. **J Neurosci** 1987 Apr; 7(4):1159–65
Two gender-specific transcripts predominate in the mRNA of adult female Schistosoma mansoni. Meusel G, et al. **J Parasitol** 1987 Apr;73(2):436–7
Introns as relict retrotransposons: implications for the evolutionary origin of eukaryotic mRNA splicing mechanisms. Hickey DA, et al. **J Theor Biol** 1986 Aug 7;121(3):283–91
Promoters and processing sites within the transforming region of bovine papillomavirus type 1. Ahola H, et al. **J Virol** 1987 Jul;61(7):2240–4
Translational requirement of La Crosse virus S-mRNA synthesis: in vitro studies. Bellocq C, et al. **J Virol** 1987 Jan;61(1):87–95
Herpes simplex virus virion stimulatory protein mRNA leader contains sequence elements which increase both virus-induced transcription and mRNA stability. Blair ED, et al. **J Virol** 1987 Aug;61(8):2499–508
The three influenza virus polymerase (P) proteins not associated with viral nucleocapsids in the infected cell are in the form of a complex. Detjen BM, et al. **J Virol** 1987 Jan;61(1):16–22
5'-terminal sequences influence the segregation of ground squirrel hepatitis virus RNAs into polyribosomes and viral core particles. Enders GH, et al. **J Virol** 1987 Jan; 61(1):35–41
Selective translation initiation on bicistronic simian virus 40 late mRNA. Grass DS, et al. **J Virol** 1987 Jul;61(7):2331–5
Splice acceptor site for the env message of Moloney murine leukemia virus. Lazo PA, et al. **J Virol** 1987 Jun; 61(6):2038–41
A single species of pX mRNA of human T-cell leukemia virus type I encodes trans-activator p40x and two other phosphoproteins. Nagashima K, et al. **J Virol** 1986 Nov; 60(2):394–9
Selective inhibition of translation of the mRNA coding for measles virus membrane protein at elevated temperatures. Ogura H, et al. **J Virol** 1987 Feb;61(2):472–9
A mutant of herpes simplex virus type 1 exhibits increased stability of immediate-early (alpha) mRNAs. Oroskar AA, et al. **J Virol** 1987 Feb;61(2):604–6
Translational requirement of La Crosse virus S-mRNA synthesis: in vivo studies. Raju R, et al. **J Virol** 1987 Jan; 61(1):96–103
Unusual transcripts in La Crosse virus-infected cells and the site for nucleocapsid assembly. Raju R, et al. **J Virol** 1987 Mar;61(3):667–72
Effects of cDNA hybridization on translation of encephalomyocarditis virus RNA. Shih DS, et al. **J Virol** 1987 Jun;61(6):2033–7
Suppression of the translation defect phenotype specific for a virus-associated RNA-deficient adenovirus mutant in monkey cells by simian virus 40. Subramanian S, et al. **J Virol** 1986 Nov;60(2):363–8
A bicistronic Epstein-Barr virus mRNA encodes two nuclear proteins in latently infected, growth-transformed lymphocytes. Wang F, et al. **J Virol** 1987 Apr;61(4):945–54
Expression of the hepatitis B virus core gene in vitro and in vivo. Weimer T, et al. **J Virol** 1987 Oct;61(10):3109–13
Structure and function of bicistronic RNA encoding the phosphoprotein and matrix protein of measles virus. Wong TC, et al. **J Virol** 1987 Feb;61(2):584–9
Sequence complexity of polyadenylate ribonucleic acid in El mouse brain. Hirayama E, et al. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):361–5
Soman intoxication-induced increase in the levels of mRNAs coding for acute phase reactants. Sevaljević L, et al. **Life Sci** 1987 Aug 3;41(5):621–7
Autocrine stimulation of TNF-alpha mRNA expression in HL-60 cells. Hensel G, et al. **Lymphokine Res** 1987 Spring; 6(2):119–25
In vitro translation of procollagen messenger RNAs. Adams SL. **Methods Enzymol** 1987;144:84–95
R-loop analysis of procollagen messenger RNA for the assessment of human collagen mutations. de Wet WJ. **Methods Enzymol** 1987;145:235–52
Analysis of cytoplasmic and nuclear messenger RNA in fibroblasts from patients with type I osteogenesis imperfecta. Genovese C, et al. **Methods Enzymol** 1987; 145:223–35
Relative transcription rates and mRNA levels for the two chains of type I procollagen. Olsen AS, et al. **Methods Enzymol** 1987;144:74–83
The detection of individual cells containing interferon mRNA by in situ hybridization with specific interferon DNA probes. Zawatzky R, et al. **Methods Enzymol** 1986; 119:474–81
The yeast nuclear gene CBS1 is required for translation of mitochondrial mRNAs bearing the cob 5' untranslated leader. Rödel G, et al. **MGG** 1987 Jan;206(1):45–50
Possible eggshell protein gene from Schistosoma mansoni. Johnson KS, et al. **Mol Biochem Parasitol** 1987 Jan 2; 22(1):89–100
Transcriptional mapping of Leishmania enrietti tubulin mRNAs. Landfear SM, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):235–45
Characterisation of the structure and expression of the gene encoding a major female specific polypeptide of Schistosoma mansoni. Simpson AJ, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):169–76
In vitro release of alpha 1-acid glycoprotein RNA sequences shows fidelity with the acute phase response in vivo. Clawson GA, et al. **Mol Biol Rep** 1986;11(3):163–72
Identification of messenger RNA for glutamate dehydrogenase using a spectrophotometric probe. Hillar M, et al. **Mol Biol Rep** 1986;11(3):131–5
Induction of metallothionein and other mRNA species by carcinogens and tumor promoters in primary human skin fibroblasts. Angel P, et al. **Mol Cell Biol** 1986 May; 6(5):1760–6
The membrane-associated enzyme phosphatidylserine synthase is regulated at the level of mRNA abundance. Bailis AM, et al. **Mol Cell Biol** 1987 Jan;7(1):167–76
Protein synthesis is required for rapid degradation of tubulin mRNA and other deflagellation-induced RNAs in Chlamydomonas reinhardi. Baker EJ, et al. **Mol Cell Biol** 1986 Jan;6(1):54–61
The chicken ubiquitin gene contains a heat shock promoter and expresses an unstable mRNA in heat-shocked cells. Bond U, et al. **Mol Cell Biol** 1986 Dec;6(12):4602–10
Gene expression of the chondroitin sulfate proteoglycan core protein PG19. Bourdon MA, et al. **Mol Cell Biol** 1987 Jan; 7(1):33–40
Product of Saccharomyces cerevisiae nuclear gene PET494 activates translation of a specific mitochondrial mRNA. Costanzo MC, et al. **Mol Cell Biol** 1986 Nov;6(11):3694–703
Transcriptional and posttranscriptional control of c-myc during myogenesis: its mRNA remains inducible in differentiated cells and does not suppress the differentiated phenotype. Endo T, et al. **Mol Cell Biol** 1986 May; 6(5):1412–21
Murine dihydrofolate reductase transcripts through the cell

cycle. Farnham PJ, et al. **Mol Cell Biol** 1986 Feb; 6(2):365–71

Effects on mRNA splicing of mutations in the 3' region of the Saccharomyces cerevisiae actin intron. Fouser LA, et al. **Mol Cell Biol** 1987 Jan;7(1):225–30

Factors influencing alternative splice site utilization in vivo. Fu XY, et al. **Mol Cell Biol** 1987 Feb;7(2):738–48

In vitro splicing of the terminal intervening sequence of Saccharomyces cerevisiae cytochrome b pre-mRNA. Gampel A, et al. **Mol Cell Biol** 1987 Jul;7(7):2545–51

The SPS4 gene of Saccharomyces cerevisiae encodes a major sporulation-specific mRNA. Garber AT, et al. **Mol Cell Biol** 1986 Dec;6(12):4478–85

Characterization of myelin proteolipid mRNAs in normal and jimpy mice. Gardinier MV, et al. **Mol Cell Biol** 1986 Nov;6(11):3755–62

c-erbB activation in avian leukosis virus-induced erythroblastosis: multiple epidermal growth factor receptor mRNAs are generated by alternative RNA processing. Goodwin RG, et al. **Mol Cell Biol** 1986 Sep;6(9):3128–33

Transcriptional control signals of a herpes simplex virus type 1 late (gamma 2) gene lie within bases -34 to +124 relative to the 5' terminus of the mRNA. Homa FL, et al. **Mol Cell Biol** 1986 Nov;6(11):3652–66

Induction of a rapidly responsive hepatic gene product by thyroid hormone requires ongoing protein synthesis. Jacoby DB, et al. **Mol Cell Biol** 1987 Apr;7(4):1352–7

mRNA transcription in nuclei isolated from Saccharomyces cerevisiae. Jerome JF, et al. **Mol Cell Biol** 1986 May; 6(5):1633–9

Role of the avian retrovirus mRNA leader in expression: evidence for novel translational control. Katz RA, et al. **Mol Cell Biol** 1986 Feb;6(2):372–9

Translational control by influenza virus: suppression of the kinase that phosphorylates the alpha subunit of initiation factor eIF-2 and selective translation of influenza viral mRNAs. Katze MG, et al. **Mol Cell Biol** 1986 May; 6(5):1741–50

Translational control mediated by eucaryotic initiation factor-2 is restricted to specific mRNAs in transfected cells. Kaufman RJ, et al. **Mol Cell Biol** 1987 Apr;7(4):1568–71

Tissue-specific expression of the mouse dioxin-inducible P(1)450 and P(3)450 genes: differential transcriptional activation and mRNA stability in liver and extrahepatic tissues. Kimura S, et al. **Mol Cell Biol** 1986 May;6(5):1471–7

Polymorphism in an androgen-regulated mouse gene is the result of the insertion of a B1 repetitive element into the transcription unit. King D, et al. **Mol Cell Biol** 1986 Jan; 6(1):209–17

Sequences near the 3' secretion-specific polyadenylation site influence levels of secretion-specific and membrane-specific IgG2b mRNA in myeloma cells. Kobrin BJ, et al. **Mol Cell Biol** 1986 May;6(5):1687–97

Transcriptional analyses of interferon-inducible mRNAs. Kusari J, et al. **Mol Cell Biol** 1987 Jan;7(1):528–31

Regulation of synthesis and turnover of an interferon-inducible mRNA. Kusari J, et al. **Mol Cell Biol** 1986 Jun;6(6):2062–7

In vitro splicing of kappa immunoglobulin precursor mRNA. Lowery DE, et al. **Mol Cell Biol** 1987 Apr;7(4):1346–51

Both conserved signals on mammalian histone pre-mRNAs associate with small nuclear ribonucleoproteins during 3' end formation in vitro. Mowry KL, et al. **Mol Cell Biol** 1987 May;7(5):1663–72

Regulation of insulin mRNA abundance and adenylation: dependence on hormones and matrix substrata. Muschel R, et al. **Mol Cell Biol** 1986 Jan;6(1):337–41

Effects of progressive depletion of TCM1 or CYH2 mRNA on Saccharomyces cerevisiae ribosomal protein accumulation. Nam HG, et al. **Mol Cell Biol** 1986 May; 6(5):1535–44

Unequal distribution of N6-methyladenosine in influenza virus mRNAs. Narayan P, et al. **Mol Cell Biol** 1987 Apr; 7(4):1572–5

Multiple calmodulin mRNA species are derived from two distinct genes. Nojima H, et al. **Mol Cell Biol** 1987 May; 7(5):1873–80

Glucocorticoids enhance stability of human growth hormone mRNA. Paek I, et al. **Mol Cell Biol** 1987 Apr;7(4):1496–507

The nontranscribed chicken calmodulin pseudogene cross-hybridizes with mRNA from the slow-muscle troponin C gene. Putkey JA, et al. **Mol Cell Biol** 1987 Apr; 7(4):1549–53

Regulation of the utilization of mRNA for eucaryotic elongation factor Tu in Friend erythroleukemia cells. Rao TR, et al. **Mol Cell Biol** 1987 Feb;7(2):687–97

A novel RNA in which the 5' end is generated by cleavage at the poly(A) site of immunoglobulin heavy-chain secreted mRNA. Rogers J, et al. **Mol Cell Biol** 1986 Dec; 6(12):4749–52

Cell-type-specific synthesis of murine immunoglobulin mu RNA from an adenovirus vector. Ruether JE, et al. **Mol Cell Biol** 1986 Jan;6(1):123–33

Requirements for accurate and efficient mRNA 3' end cleavage and polyadenylation of a simian virus 40 early pre-RNA in vitro. Ryner LC, et al. **Mol Cell Biol** 1987 Jan;7(1):495–503

Products of in vitro cleavage and polyadenylation of simian virus 40 late pre-mRNAs. Sheets MD, et al. **Mol Cell Biol** 1987 Apr;7(4):1518–29

Effects of intron length on differential processing of mouse mu heavy-chain mRNA. Tsurushita N, et al. **Mol Cell Biol** 1987 Jul;7(7):2602–5

Accumulation of c-src mRNA is developmentally regulated in embryonic neural retina. Vardimon L, et al. **Mol Cell Biol** 1986 Nov;6(11):4109–11

Myoglobin expression: early induction and subsequent modulation of myoglobin and myoglobin mRNA during myogenesis. Weller PA, et al. **Mol Cell Biol** 1986 Dec; 6(12):4539–47

Effects of cycloheximide on thermotolerance expression, heat shock protein synthesis, and heat shock protein mRNA accumulation in rat fibroblasts. Widelitz RB, et al. **Mol Cell Biol** 1986 Apr;6(4):1088–94

Pre-mRNA splicing and the nuclear matrix. Zeitlin S, et al. **Mol Cell Biol** 1987 Jan;7(1):111–20

The H-2Kkml mutation: nucleotide sequence and comparative analysis. Martinko JM, et al. **Mol Immunol** 1987 Feb;24(2):197–200

Establishment of a human T-cell hybridoma that produces human macrophage activating factor for superoxide production and translation of messenger RNA of the factor in Xenopus laevis oocyte. Miyamoto D, et al. **Mol Immunol** 1987 Mar;24(3):239–45

Cloning of decay-accelerating factor suggests novel use of splicing to generate two proteins. Caras IW, et al. **Nature** 1987 Feb 5–11;325(6104):545–9

A family of unusually spliced biologically active transcripts encoded by a Drosophila clock gene. Citri Y, et al. **Nature** 1987 Mar 5–11;326(6108):42–7

The role of nucleotide sequences in splice site selection in eukaryotic pre-messenger RNA. Eperon LP, et al. **Nature** 1986 Nov 20–26;324(6094):280–2

Effect of mutations at the lariat branch acceptor site on beta-globin pre-mRNA splicing in vitro. Hornig H, et al. **Nature** 1986 Dec 11–17;324(6097):589–91

Periventricular hypothalamic cells in the rat brain contain insulin mRNA [published erratum appears in Neuropeptides 1986 Nov-Dec;8(4):401] Young WS 3d. **Neuropeptides** 1986 Aug-Sep;8(2):93–7

Sendai virus induces high levels of tumor necrosis factor mRNA in human peripheral blood leukocytes. Berent SL, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8997–9015

Model for alternative RNA processing in human calcitonin gene expression. Bovenberg RA, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8785–803

Expression of mRNA electroporated into plant and animal cells. Callis J, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5823–31

Comparison of the consensus sequence flanking translational start sites in Drosophila and vertebrates. Cavener DR. **Nucleic Acids Res** 1987 Feb 25;15(4):1353–61

Expression of active human blood clotting factor IX in transgenic mice: use of a cDNA with complete mRNA sequence. Choo KH, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):871–84

Nucleotide sequence and in vitro expression of rubella virus 24S subgenomic messenger RNA encoding the structural proteins E1, E2 and C. Clarke DM, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3041–57

Characterization of bone PG II cDNA and its relationship to PG II mRNA from other connective tissues. Day AA, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9861–76

Analysis of tropomyosin cDNAs isolated from skeletal and smooth muscle mRNA. Flach J, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9193–211

Regulation of c-fos gene expression in hamster fibroblasts: initiation and elongation of transcription and mRNA degradation. Fort P, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5657–67

Potential secondary structure at translation-initiation sites. Ganoza MC, et al. **Nucleic Acids Res** 1987 Jan 12; 15(1):345–60

More than 150 nucleotides flanking the initiation codon contribute to the efficiency of the ribosomal binding site from bacteriophage T7 gene 1. Geisen RM, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4931–43

Improved RNA sequencing method to determine immunoglobulin mRNA sequence. Grant FJ, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5496

RNA polymerase II terminates transcription in vitro in the SV40 origin region. Grass DS, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4417–36

Nearly identical members of the heterogeneous IAP gene family are expressed in thymus of different mouse strains. Grossman Z, et al. **Nucleic Acids Res** 1987 May 11; 15(9):3823–34

Compilation and comparison of the sequence context around the AUG startcodons in Saccharomyces cerevisiae mRNAs. Hamilton R, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3581–93

Cell cycle regulated synthesis of stable mouse thymidine kinase mRNA is mediated by a sequence within the cDNA. Hofbauer R, et al. **Nucleic Acids Res** 1987 Jan 26; 15(2):741–52

Structure and expression of an ethylene-related mRNA from tomato. Holdsworth MJ, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):731–9

A growth-related mRNA in cultured mouse cells encodes a placental calcium binding protein. Jackson-Grusby LL, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6677–90

Characterization of cDNA clones for human myeloperoxidase: predicted amino acid sequence and evidence for multiple mRNA species. Johnson KR, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2013–28

Role in translation of a triple tandemly repeated sequence in the 5'-untranslated region of human thymidylate synthase mRNA. Kaneda S, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1259–70

Alteration of cellular gene expression in adenovirus transformed cells by post-transcriptional mechanisms. Kao HT, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7253–63

Sequence and S1 nuclease mapping of the 5' region of the dihydrofolate reductase-thymidylate synthase gene of Leishmania major. Kapler GM, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3369–83

Butyrate induced accumulation of a 2.3 kb polyadenylated H1 degree histone mRNA in HeLa cells. Kress H, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7189–97

Characterization of cDNA sequences corresponding to three distinct HMG-1 mRNA species in line CHO Chinese hamster cells and cell cycle expression of the HMG-1 gene. Lee KL, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5051–68

The mRNA and RNA-copy pseudogenes encoding TM30nm, a human cytoskeletal tropomyosin. MacLeod AR, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8413–26

Cloning and characterization of a Leishmania gene encoding a RNA spliced leader sequence. Miller SI, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7341–60

Sequence of the rat beta-globin mRNA. Ohshita Y, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1336

Biogenesis of mitochondria: a mutation in the 5'-untranslated region of yeast mitochondrial oli1 mRNA leading to impairment in translation of subunit 9 of the mitochondrial ATPase complex. Ooi BG, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1965–77

The 3' non-coding region of the mouse brain B creatine kinase mRNA: a sequence with exceptional homology among species. Papenbrock T, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8690

Assembly of pre-mRNA splicing complex is cap dependent. Patzelt E, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1387–99

Posttranscriptional regulation of c-fos mRNA expression. Rahmsdorf HJ, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1643–59

Messenger RNA stability in Saccharomyces cerevisiae: the influence of translation and poly(A) tail length. Santiago TC, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2417–29

The relationship between mRNA stability and length in Saccharomyces cerevisiae. Santiago TC, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8347–60

A procedure for selective full length cDNA cloning of specific RNA species. Schmid A, et al. **Nucleic Acids Res** 1987 May 26;15(10):3987–96

Isolation of a conserved sequence deleted in Duchenne muscular dystrophy patients. Smith TJ, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2167–74

Regulation of differential processing of mouse immunoglobulin mu heavy-chain mRNA. Tsurushita N, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4603–15

The cDNA sequence of the major phospholamban mRNA in canine cardiac ventricular muscle. Uyeda A, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6738

Alternative splicing of SV40 early pre-mRNA in vitro. van Santen VL, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9911–26

Preparation and biochemical manipulation of mRNAs and cDNAs on small oligo(dT)-cellulose discs. Ven Murthy MR, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7134

Globin gene transcripts can utilize histone gene 3' end processing signals. Whitelaw E, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7059–70

Structural elements and organization of the ancestral translational machinery. Rein R, et al. **Orig Life Evol Biosph** 1987;17(3–4):431–8

Possible recognition of the GnRH receptor by an antiserum against a peptide encoded by nucleotide sequence complementary to mRNA of a GnRH precursor peptide. Görcs TJ, et al. **Peptides** 1986 Nov-Dec;7(6):1137–45

Induced mRNA stability in Bacillus subtilis. Bechhofer DH, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):498–502

Isolation of cDNA clones for the catalytic gamma subunit of mouse muscle phosphorylase kinase: expression of mRNA in normal and mutant Phk mice. Chamberlain JS, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2886–90

Gamma-actin: unusual mRNA 3'-untranslated sequence conservation and amino acid substitutions that may be cancer related. Chou CC, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2575–9

Stimulation of S14 mRNA and lipogenesis in brown fat by hypothyroidism, cold exposure, and cafeteria feeding: evidence supporting a general role for S14 in lipogenesis and lipogenesis in the maintenance of thermogenesis. Freake HC, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):3070–4

Autogenous control of the S10 ribosomal protein operon of Escherichia coli: genetic dissection of transcriptional and posttranscriptional regulation. Freedman LP, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6516–20

Molecular genetic characterization of the mRNA coding for an inducible suppressor factor specific for L-glutamic acid60-L-alanine30-L-tyrosine10. Funckes-Shippy CL, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6229–33

Optional exon in the 5'-untranslated region of 3-hydroxy-3-methylglutaryl coenzyme A synthase gene:

conserved sequence and splicing pattern in humans and hamsters. Gil G, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):1862–6

Alternative processing of bovine growth hormone mRNA: nonsplicing of the final intron predicts a high molecular weight variant of bovine growth hormone. Hampson RK, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2673–7

Expression of size-selected mRNA encoding the intestinal Na/glucose cotransporter in Xenopus laevis oocytes. Hediger MA, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2634–7

Human complement C3b/C4b receptor (CR1) mRNA polymorphism that correlates with the CR1 allelic molecular weight polymorphism. Holers VM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2459–63

Aberrant splicing of proteolipid protein mRNA in the dysmyelinating jimpy mutant mouse. Hudson LD, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1454–8

Specialized ribosome system: preferential translation of a single mRNA species by a subpopulation of mutated ribosomes in Escherichia coli. Hui A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4762–6

Tissue-specific expression of insulin-like growth factor II mRNAs with distinct 5' untranslated regions. Irminger JC, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6330–4

Retroviral-mediated transfer of genomic globin genes leads to regulated production of RNA and protein. Karlsson S, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2411–5

Nucleotide sequence of medium-chain acyl-CoA dehydrogenase mRNA and its expression in enzyme-deficient human tissue. Kelly DP, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4068–72

Three rat preprotachykinin mRNAs encode the neuropeptides substance P and neurokinin A. Krause JE, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):881–5

Tumor necrosis factor inhibits MYC expression in HL-60 cells at the level of mRNA transcription. Krönke M, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):469–73

The 3' untranslated region of the human interferon-beta mRNA has an inhibitory effect on translation. Kruys V, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6030–4

Herpes simplex virus-infected cells contain a function(s) that destabilizes both host and viral mRNAs. Kwong AD, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1926–30

Two forms of 1B236/myelin-associated glycoprotein, a cell adhesion molecule for postnatal neural development, are produced by alternative splicing. Lai C, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4337–41

Expression of a set of growth-related immediate early genes in BALB/c 3T3 cells: coordinate regulation with c-fos or c-myc. Lau LF, et al. **Proc Natl Acad Sci USA** 1987 Mar; 84(5):1182–6

Human alpha 2-HS-glycoprotein: the A and B chains with a connecting sequence are encoded by a single mRNA transcript. Lee CC, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4403–7

Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site. Lemaitre M, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):648–52

Engineered defective interfering RNAs of Sindbis virus express bacterial chloramphenicol acetyltransferase in avian cells. Levis R, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4811–5

cDNA cloning of a serotonin 5-HT1C receptor by electrophysiological assays of mRNA-injected Xenopus oocytes. Lübbert H, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4332–6

Association between the expression of the c-myc oncogene mRNA and the expression of the receptor protein for 1,25-dihydroxyvitamin D3. Manolagas SC, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):856–60

A low-molecular-weight RNA from mouse ascites cells that hybridizes to both 18S rRNA and mRNA sequences. Maxwell ES, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7261–6

A segment of GCN4 mRNA containing the upstream AUG codons confers translational control upon a heterologous yeast transcript. Mueller PP, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2863–7

Regulated production of mu m and mu s mRNA requires linkage of the poly(A) addition sites and is dependent on the length of the mu s-mu m intron. Peterson ML, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8883–7

Cloning and tissue-specific expression of mouse macrophage colony-stimulating factor mRNA. Rajavashisth TB, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1157–61

A nonsense mutation causes hereditary goitre in the Afrikander cattle and unmasks alternative splicing of thyroglobulin transcripts. Ricketts MH, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3181–4

Translation of ferritin light and heavy subunit mRNAs is regulated by intracellular chelatable iron levels in rat hepatoma cells. Rogers J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2277–81

The yeast PHO5 promoter: phosphate-control elements and sequences mediating mRNA start-site selection. Rudolph H, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1340–4

Alternative splicing generates two distinct Eip28/29 gene transcripts in Drosophila Kc cells. Schulz RA, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9428–32

Rat cellular retinol-binding protein: cDNA sequence and rapid retinol-dependent accumulation of mRNA. Sherman DR, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3209–13

A maternal mRNA localized to the animal pole of Xenopus eggs encodes a subunit of mitochondrial ATPase. Weeks DL, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2798–802

cDNA cloning of human myeloperoxidase: decrease in myeloperoxidase mRNA upon induction of HL-60 cells. Weil SC, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):2057–61

Targeting of a chimeric human histone fusion mRNA to membrane-bound polysomes in HeLa cells. Zambetti G, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2683–7

Regulation of c-myc and c-fos mRNA levels by polyomavirus: distinct roles for the capsid protein VP1 and the viral early proteins. Zullo J, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1210–4

Neurotensin and substance P receptors expressed in Xenopus oocytes by messenger RNA from rat brain. Parker I, et al. **Proc R Soc Lond [Biol]** 1986 Nov 22;229(1255):151–9

Constraints on the accuracy of messenger RNA movement. Kurland CG, et al. **Q Rev Biophys** 1985 Nov;18(4):423–50 (52 ref.)

Two mammalian genes transcribed from opposite strands of the same DNA locus. Adelman JP, et al. **Science** 1987 Mar 20;235(4795):1514–7

In vivo uncoating and efficient expression of foreign mRNAs packaged in TMV-like particles. Gallie DR, et al. **Science** 1987 May 29;236(4805):1122–4

Antisense RNA inactivation of myosin heavy chain gene expression in Dictyostelium discoideum. Knecht DA, et al. **Science** 1987 May 29;236(4805):1081–6

Splicing of messenger RNA precursors [published erratum appears in Science 1987 Aug 28;237(4818):964] Sharp PA. **Science** 1987 Feb 13;235(4790):766–71

The maize transposable element Ds is spliced from RNA. Wessler SR, et al. **Science** 1987 Aug 21;237(4817):916–8

Transcription of an unusual luteinizing hormone beta-subunit-like messenger ribonucleic acid in an alpha-subunit-secreting pituitary adenoma. Jameson JL, et al. **Trans Assoc Am Physicians** 1985;98:198–203

Protease activation mutants of Sendai virus: sequence analysis of the mRNA of the fusion protein (F) gene and direct identification of the cleavage-activation site. Hsu MC, et al. **Virology** 1987 Jan;156(1):84–90

Cloning and nucleotide sequence of Newcastle disease virus hemagglutinin-neuraminidase mRNA: identification of a putative sialic acid binding site. Jorgensen ED, et al. **Virology** 1987 Jan;156(1):12–24

Complete nucleotide sequence of the matrix protein mRNA and three intergenic junctions of human parainfluenza virus type 3. Luk D, et al. **Virology** 1987 Jan;156(1):189–92

The nucleotide sequence of the mRNA encoding the fusion protein of measles virus (Edmonston strain): a comparison of fusion proteins from several different paramyxoviruses. Richardson C, et al. **Virology** 1986 Dec;155(2):508–23

Molecular cloning and sequence analysis of the rinderpest virus mRNA encoding the hemagglutinin protein. Tsukiyama K, et al. **Virology** 1987 Sep;160(1):48–54

Gene expression in adeno-associated virus vectors: the effects of chimeric mRNA structure, helper virus, and adenovirus VA1 RNA. West MH, et al. **Virology** 1987 Sep; 160(1):38–47

Identification of the major cottontail rabbit papillomavirus late RNA cap site and mapping and quantitation of an E2 and minor E6 coding mRNA in papillomas and carcinomas. Wettstein FO, et al. **Virology** 1987 Aug;159(2):321–8

The effect of elevated levels of herpes simplex virus alpha-gene products on the expression of model early and late genes in vivo. Zhang YF, et al. **Virology** 1987 Mar; 157(1):99–106

Cloning of rabies virus matrix protein mRNA and determination of its amino acid sequence. Rayssiguier C, et al. **Virus Res** 1986 Aug;5(2–3):177–90

Hybridization between a repeated region of herpes simplex virus type 1 DNA containing the sequence [GGC]n and heterodisperse cellular DNA and RNA. Spector DJ, et al. **Virus Res** 1987 Feb;7(1):69–82

Sequence analysis and regulation of rat liver glutathione S-transferase mRNAs. Pickett CB, et al. **Xenobiotica** 1987 Mar;17(3):317–23

[In vitro translation of RNA extracted from corpuscules of Stannius of the eel (Anguilla anguilla); identification of the precursor of parathyrin in the corpuscules of Stannius (PCS)] Milet C, et al. **C R Acad Sci [III]** 1987;304(16):433–6 (Eng. Abstr.) **(Fre)**

[Expression of c-myc mRNA in surgically resected stomach cancer tissues] Ichinose M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1228 **(Jpn)**

[Anty-sense RNA, a new mechanism regulating gene expression] Hulanicka D. **Postepy Biochem** 1985; 31(3–4):585–7 **(Pol)**

[Structure and function of 3'-terminal sequences of eukaryotic mRNA] Sieliwanowicz B. **Postepy Biochem** 1986;32(1–2):173–83 (60 ref.) **(Pol)**

[Primary structure of the beta-subunit of Na+,K+-ATPase from the swine kidney. II. Reverse transcription, cloning of mRNA, complete nucleotide sequence corresponding to the structural region of the gene] Broude NE, et al. **Bioorg Khim** 1987 Jan;13(1):14–9 (Eng. Abstr.) **(Rus)**

[Synthesis, cloning and primary structure of DNA complementary to mRNA for human pituitary pro-opiomelanocortin] Golovin SIa, et al. **Bioorg Khim** 1987 Apr;13(4):562–4 (Eng. Abstr.) **(Rus)**

[Increased content of nucleotide sequences in transcriptionally active DNA and poly(A)+-mRNA of the rat liver and a rise in its translation activity as affected by inducers] Dashkevich VS, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):745–8 (Eng. Abstr.) **(Rus)**

[Mechanism of regulation of polycistron mRNA. The role of mutual position of cistrons] Kravchenko VV, et al. **Dokl Akad Nauk SSSR** 1987;295(3):745–8 **(Rus)**

[Splicing. 2. Splicing of mRNA in the cell nucleus] Kavsan VM. **Mol Biol (Mosk)** 1986 Nov-Dec;20(6):1451–71 (143 ref.) (Eng. Abstr.) **(Rus)**

[Cloning of mRNA nucleotide sequences amplified during DNA replication in the regenerating liver] Timchenko NA, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec;(12):23–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

An antibody to a peptide specified by an RNA that is complementary to gamma-endorphin mRNA recognizes an opiate receptor. Carr DJ, et al. **J Neuroimmunol** 1986 Oct;12(4):329–37

[Monoclonal antibodies against polyribosome informosomes from rabbit reticulocytes] Vlasik TN, et al. **Biokhimiia** 1986 Oct;51(10):1756–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Recovery of biologically functional messenger RNA from agarose gels by passive elution. Frémont P, et al. **Anal Biochem** 1986 Aug 1;156(2):508–14

Preparation of functional acetyl-CoA carboxylase mRNA from rat mammary gland. López-Casillas F, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):63–8

c-K-ras codon 12 GGT-CGT point mutation. An infrequent event in human lung cancer. Milici A, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):699–705

Isolation of mRNA from membrane-bound polysomes synthesizing Sepia officinalis haemocyanin in Xenopus laevis oocytes. Vandamme AM, et al. **Biochem Int** 1987 Jan;14(1):27–35

Isolation of biologically active RNA from human autopsy for the study of cystic fibrosis. Humphreys-Beher MG, et al. **Biotechnol Appl Biochem** 1986 Oct;8(5):392–403

Cloning and sequencing of a rat CuZn superoxide dismutase cDNA. Correlation between CuZn superoxide dismutase mRNA level and enzyme activity in rat and mouse tissues. Delabar JM, et al. **Eur J Biochem** 1987 Jul 1;166(1):181–7

Association of messenger RNA with the cytoskeletal framework in rat L6 myogenic cells. Pramanik SK, et al. **Eur J Biochem** 1986 Oct 15;160(2):221–30

In vitro translation of messenger RNA from the house dust mite Dermatophagoides pteronyssinus. Stewart GA, et al. **Int Arch Allergy Appl Immunol** 1987;83(4):384–9

Gonadotropin and thyrotropin alpha- and beta-subunit gene expression in normal and neoplastic tissues characterized using specific messenger ribonucleic acid hybridization probes. Jameson JL, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):319–27

Antigen-specific messenger RNA for immunological research: purification and characterization of RNA from intestinal epithelial cells using specific antibody. Paul JW, et al. **J Clin Lab Immunol** 1987 Feb;22(2):49–58

Detection of bovine herpesvirus type 1 RNA in trigeminal ganglia of latently infected rabbits by in situ hybridization. Rock DL, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2515–20

Developmentally regulated rat brain mRNAs: molecular and anatomical characterization. Miller FD, et al. **J Neurosci** 1987 Aug;7(8):2433–44

Structural characterization of a heterogeneous family of rat brain mRNAs. Tsou AP, et al. **Mol Cell Biol** 1986 Mar; 6(3):768–78

[Identification and characteristics of mRNA for cytochrome P-450 in the rat liver induced by phenobarbital and 3-methylcholanthrene] Kabishev AA, et al. **Biokhimiia** 1986 Nov;51(11):1821–8 (Eng. Abstr.) **(Rus)**

[Relation between the structural, metabolic and "adhesive" properties of nuclear and cytoplasmic non-ribosomal RNA] Zabolkin MM, et al. **Biokhimiia** 1987 May;52(5):794–805 (Eng. Abstr.) **(Rus)**

[Isolation of thyroglobulin mRNA from cells of human euthyroid nodular goiter and synthesis of complementary DNA] Atakhanova BA, et al. **Dokl Akad Nauk SSSR** 1987; 294(6):1486–9 **(Rus)**

METABOLISM

In situ hybridization histochemistry: a new tool for studying brain function. Siegel RE, et al. **Adv Biochem Psychopharmacol** 1987;43:69–79

Detection of prolactin messenger RNA in rat anterior pituitary by in situ hybridization. Lloyd RV, et al. **Am J Pathol** 1986 Oct;125(1):35–44

Myocardial recruitment during ANF mRNA increase with volume overload in the rat. Lattion AL, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H890–6

Changes in plasma albumin concentration, synthesis rate, and mRNA level during acute inflammation. Liao WS, et al.

Am J Physiol 1986 Dec;251(6 Pt 1):C928–34
Actin synthesis rate and mRNA level increase during early recovery of atrophied muscle. Morrison PR, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C205–9
Biogenesis of embryonic chick liver delta-aminolevulinate synthase: regulation of the level of mRNA by hemin. Ades IZ, et al. **Arch Biochem Biophys** 1987 Mar;253(2):297–304
Insulin-mimetic actions of wheat germ agglutinin and concanavalin A on specific mRNA levels. Messina JL, et al. **Arch Biochem Biophys** 1987 Apr;254(1):110–5
Regulation of mRNA levels for five urea cycle enzymes in rat liver by diet, cyclic AMP, and glucocorticoids. Morris SM Jr, et al. **Arch Biochem Biophys** 1987 Jul;256(1):343–53
Coordinated regulation of type I and type III collagen production and mRNA levels of pro alpha 1(I) and pro alpha 2(I) collagen in cultured morphea fibroblasts. Vuorio T, et al. **Arch Dermatol Res** 1987;279(3):154–60
Ontogenesis of TRH mRNA in the rat pancreas. Dutour A, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):354–60
Effects of oral glucose administration on preproinsulin mRNA in rats in vivo. Fukumoto H, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1201–6
Atrial natriuretic peptide mRNA is regulated by glucocorticoids in vivo. Gardner DG, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1047–54
Molecular cloning of the chicken nerve growth factor gene: mRNA distribution in developing and adult tissues. Goedert M. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1116–22
Hepatocarcinogens induce decrease in mRNA transcripts of receptors for insulin and epidermal growth factor in the rat liver. Hwang DL, et al. **Biochem Biophys Res Commun** 1987 Jul 15;146(1):87–93
Histone-H1 inhibits translation by reticulocyte lysates with relative mRNA selectivity. O'Leary NE, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):329–36
Loss of brown adipose tissue uncoupling protein mRNA on deacclimation of cold-exposed rats. Reichling S, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):696–701
Enhancement of cmyc mRNA concentration in dog thyrocytes initiating DNA synthesis in response to thyrotropin, forskolin, epidermal growth factor and phorbol myristate ester. Reuse S, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1066–76
Turnover rates of HMG-CoA reductase mRNA: role of pituitary and thyroid hormones. Simonet WS, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1033–9
An in vitro system derived from Friend erythroleukemia cells to study messenger RNA stability. Sunitha I, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):560–8
The selection of the first AUG as the initiator of eucaryotic mRNAs translation is favored by a 5'-terminal cap group and a purine in the -3' position. Szczesna-Skorupa E, et al. **Biochem Biophys Res Commun** 1986 Oct 15; 140(1):288–93
Characterization of rabbit cytochrome P450IIC4 cDNA and induction by phenobarbital of related hepatic mRNA levels. Zhao J, et al. **Biochem Biophys Res Commun** 1987 Jul 15; 146(1):224–31
Examination of heat shock protein mRNA accumulation in early Xenopus laevis embryos. Heikkila JJ, et al. **Biochem Cell Biol** 1987 Feb;65(2):87–94
Inhibition of protein synthesis in LLC-PK1 cells increases calcitonin-induced plasminogen-activator gene transcription and mRNA stability. Altus MS, et al. **Biochem J** 1987 Mar 1;242(2):387–92
Inhibition of polypeptide chain initiation in Daudi cells by interferons. Evidence that activity of initiation factor eIF-2 and availability of mRNA are unimpaired. Clemens MJ, et al. **Biochem J** 1986 Aug 1;237(3):877–84
Glucose-6-phosphate dehydrogenase mRNA sequence abundance in primary cultures of rat hepatocytes. Effect of insulin and dexamethasone. Fritz RS, et al. **Biochem J** 1986 Jul 15;237(2):617–9
Variation in the amounts of hepatic copper, zinc and metallothionein mRNA during development in the rat. Mercer JF, et al. **Biochem J** 1986 Aug 15;238(1):23–7
Cytochrome c protein-synthesis rates and mRNA contents during atrophy and recovery in skeletal muscle. Morrison PR, et al. **Biochem J** 1987 Jan 1;241(1):257–63
Regulation of collagen production and collagen mRNA amounts in fibroblasts in response to culture conditions. Quinones SR, et al. **Biochem J** 1986 Oct 1;239(1):179–83
Tropoelastin production and tropoelastin messenger RNA activity. Relationship to copper and elastin cross-linking in chick aorta. Tinker D, et al. **Biochem J** 1986 Jul 1; 237(1):17–23
Increased mouse epidermal ornithine decarboxylase activity by the tumour promoter 12-O-tetradecanoylphorbol 13-acetate involves increased amounts of both enzyme protein and messenger RNA. Verma AK, et al. **Biochem J** 1986 Jul 1;237(1):297–300
Alternative RNA processing events as a critical developmental regulatory strategy in neuroendocrine gene expression. Rosenfeld MG, et al. **Biochem Soc Symp** 1984; 49:27–44 (130 ref.)
Coordinate turnover of nuclear and cytoplasmic histone messenger RNA following inhibition of DNA replication in HeLa S3 cells. Bandyopadhyay R, et al. **Biochemistry** 1987 May 19;26(10):2938–44
A fluorescence study of the binding of eucaryotic initiation factors to messenger RNA and messenger RNA analogues. Goss DJ, et al. **Biochemistry** 1987 Mar 24;26(6):1551–6
Treatment of Chinese hamster ovary cells with the transcriptional inhibitor actinomycin D inhibits binding of messenger RNA to ribosomes. Kostura M, et al. **Biochemistry** 1986 Oct 21;25(21):6384–91
Reciprocal regulation of glutamine synthetase and carbamoylphosphate synthetase levels in rat liver. de Groot CJ, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):231–40
Nuclear non-polyadenylated RNAs containing the first intervening sequence of the major late premessenger RNA from adenovirus-2: characterization and distribution in ribonucleoproteins. Gerst C, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):251–62
Cell-free translation products of basement membrane RNA from the EHS tumor. Laurent M, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):241–50
The effect of insulin, serum and dexamethasone on mRNA levels for the insulin receptor in the human lymphoblastoic cell line IM-9. Maassen JA, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):72–8
Differential changes of nuclear-envelope-associated enzyme activities involved in nucleocytoplasmic mRNA transport in the developing rat brain and liver. Schröder HC, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):108–18
Role of the nuclear envelope in the regulation of mRNA transport. McDonald AR, et al. **Bioessays** 1986 Sep; 5(3):116–9
Regulation of messenger RNA stability in eukaryotic cells. Shapiro DJ, et al. **Bioessays** 1987 May;6(5):221–6
Effects of castration on the epididymis of a non-mammalian vertebrate: evolution of morphology, protein synthesis, and of specific mRNA levels. Morel F, et al. **Biol Cell** 1986; 58(3):201–9
Primary muscle cells cultivated in medium conditioned by spinal cord cells show changes in messenger RNA as detected by translation in ovo accompanied by synthesis of extracellular matrix components. Schmid DW, et al. **Biol Cell** 1987;59(1):55–60
mRNA levels of cathepsins B and D during myogenesis. Colella R, et al. **Biomed Biochim Acta** 1986; 45(11–12):1413–9
T cell rearranging gene gamma: diversity and mRNA expression in fresh cells from T cell acute lymphoblastic leukemia. Le Paslier D, et al. **Blood** 1987 Sep;70(3):637–46
Major histocompatibility complex DQ beta gene: polymorphism, methylation state and accumulation of messenger RNA in tumor cells. Barbieri R, et al. **Boll Soc Ital Biol Sper** 1986 May 30;62(5):561–3
Heat-shock proteins and mRNAs in liver and hepatoma. Bardella L, et al. **Br J Cancer** 1987 Jun;55(6):643–5
Regulation of alpha- and beta-tubulin mRNAs in rat brain during synaptogenesis. Bhattacharya B, et al. **Brain Res** 1987 Jul;388(2):159–62
Preprotachykinin messenger RNA detected by in situ hybridization in striatal neurons of the human brain. Chesselet MF, et al. **Brain Res** 1987 Apr 28;410(1):83–8
Developmental expression of the VIP-gene in brain and intestine. Gozes I, et al. **Brain Res** 1987 Jul;388(2):137–48
The neuronal growth-associated protein GAP-43 (B-50, F1): neuronal specificity, developmental regulation and regional distribution of the human and rat mRNAs. Neve RL, et al. **Brain Res** 1987 Jul;388(2):177–83
Mice heterozygous for the mld mutation have intermediate levels of myelin basic protein mRNA and its translation products. Roch JM, et al. **Brain Res** 1986 Nov; 387(2):137–44
Regulation of tyrosine hydroxylase gene expression during differentiation of neuroblastoma cells. Summerhill EM, et al. **Brain Res** 1987 Jul;388(2):99–103
Vasopressin and oxytocin mRNAs in adrenalectomized and Brattleboro rats: analysis by quantitative in situ hybridization histochemistry. Young WS 3d, et al. **Brain Res** 1986 Dec;387(3):231–41
Inhibition of messenger RNA transcriptional activity in ML-1 human myeloblastic leukemia cell nuclei by antiserum to a c-myb-specific peptide. Ishikura H, et al. **Cancer Res** 1987 Feb 15;47(4):1052–7
Determinants of messenger RNA stability. Brawerman G. **Cell** 1987 Jan 16;48(1):5–6
Enhancement of mRNA nuclear transport by promoter elements. de la Peña P, et al. **Cell** 1987 Aug 14;50(4):613–9
A protein associated with small nuclear ribonucleoprotein particles recognizes the 3'splice site of premessenger RNA. Gerke V, et al. **Cell** 1986 Dec 26;47(6):973–84
Translation is required for regulation of histone mRNA degradation. Graves RA, et al. **Cell** 1987 Feb 27; 48(4):615–26
Translational regulation of SV40 early mRNA defines a new viral protein. Khalili K, et al. **Cell** 1987 Feb 27;48(4):639–45
Interactions between small nuclear ribonucleoprotein particles in formation of spliceosomes. Konarska MM, et al. **Cell** 1987 Jun 19;49(6):763–74
Electrophoretic separation of complexes involved in the splicing of precursors to mRNAs. Konarska MM, et al. **Cell** 1986 Sep 12;46(6):845–55
Regulation of mRNA accumulation by a human immunodeficiency virus trans-activator protein. Muesing MA, et al. **Cell** 1987 Feb 27;48(4):691–701
Phagocytosis and inflammatory stimuli induce GM-CSF mRNA in macrophages through posttranscriptional regulation. Thorens B, et al. **Cell** 1987 Feb 27;48(4):671–9
Myosin isozyme synthesis and mRNA levels in pressure-overloaded rabbit hearts. Nagai R, et al. **Circ Res** 1987 May;60(5):692–9
Regulation of levels of specific Sertoli cell mRNAs by vitamin A. Hugly S, et al. **Dev Biol** 1987 Jun;121(2):316–24
The spatial distribution of a blastoderm stage-specific mRNA from the serendipity locus of Drosophila melanogaster. James AA, et al. **Dev Biol** 1986 Dec;118(2):474–9
Glucocorticoid regulation of metallothionein during murine development. Quaife C, et al. **Dev Biol** 1986 Dec; 118(2):549–55
The use of a tyrosine-hydroxylase cDNA probe to study the neurotransmitter plasticity of rat sympathetic neurons in culture. Raynaud B, et al. **Dev Biol** 1987 Feb; 119(2):305–12
Expression of the cholecystokinin gene in rat brain during development. Duchemin AM, et al. **Dev Neurosci** 1987; 9(1):61–7
Expression of actin mRNAs in rat aortic smooth muscle cells during development, experimental intimal thickening, and culture. Kocher O, et al. **Differentiation** 1986;32(3):245–51
Regulation of prolactin production and cell growth by estradiol: difference in sensitivity to estradiol occurs at level of messenger ribonucleic acid accumulation. Amara JF, et al. **Endocrinology** 1987 Jan;120(1):264–71
Estradiol has inverse effects on pituitary glycoprotein hormone alpha-subunit messenger ribonucleic acid in the immature European eel and the gonadectomized rat. Counis R, et al. **Endocrinology** 1987 Sep;121(3):1178–84
Insulin-like growth factor I gene expression in GH3 rat pituitary cells: messenger ribonucleic acid content, immunocytochemistry, and secretion. Fagin JA, et al. **Endocrinology** 1987 May;120(5):2037–43
Glucocorticoid stimulation of growth hormone messenger ribonucleic acid levels in GH3 cells is inhibited by calcium but not by somatostatin. Gick GG, et al. **Endocrinology** 1987 May;120(5):1986–90
Detection of vasoactive intestinal peptide-encoding messenger ribonucleic acid in the rat ovaries. Gozes I, et al. **Endocrinology** 1986 Dec;119(6):2606–10
Tissue distribution and hormonal regulation of messenger ribonucleic acid for regulatory and catalytic subunits of adenosine 3',5'-monophosphate-dependent protein kinases during ovarian follicular development and luteinization in the rat. Hedin L, et al. **Endocrinology** 1987 May; 120(5):1928–35
Estrogen regulation of alpha 1(I)-procollagen messenger ribonucleic acid in the rat uterus. Komm BS, et al. **Endocrinology** 1987 Apr;120(4):1403–10
The regulation of granulosa cell proopiomelanocortin messenger ribonucleic acid by androgens and gonadotropins. Melner MH, et al. **Endocrinology** 1986 Nov; 119(5):2082–8
Reduced preprosomatostatin messenger ribonucleic acid in the periventricular nucleus of hypophysectomized rats determined by quantitative in situ hybridization. Rogers KV, et al. **Endocrinology** 1987 Jul;121(1):90–3
Prolactin messenger ribonucleic acid levels in the normal and hypogonadal mouse pituitary gland. Stanley HF, et al. **Endocrinology** 1986 Dec;119(6):2422–6
Alpha and luteinizing hormone beta subunit messenger ribonucleic acids during the rat estrous cycle. Zmeili SM, et al. **Endocrinology** 1986 Oct;119(4):1867–9
Regulation of the ontogeny of rat liver metallothionein mRNA by zinc. Andrews GK, et al. **Eur J Biochem** 1987 Aug 3;166(3):527–31
Effects of the S-adenosylhomocysteine hydrolase inhibitors 3-deazaadenosine and 3-deazaaristeromycin on RNA methylation and synthesis. Backlund PS Jr, et al. **Eur J Biochem** 1986 Oct 15;160(2):245–51
A new human species of aldolase A mRNA from fibroblasts. Izzo P, et al. **Eur J Biochem** 1987 Apr 1;164(1):9–13
Protein synthesis in yeast Saccharomyces cerevisiae. Purification of Co-eIF-2A and 'mRNA-binding factor(s)' and studies of their roles in Met-tRNAf.40S.mRNA complex formation. Nasrin N, et al. **Eur J Biochem** 1986 Nov 17;161(1):1–6
Cytochalasin B selectively releases ovalbumin mRNA precursors but not the mature ovalbumin mRNA from hen oviduct nuclear matrix. Schröder HC, et al. **Eur J Biochem** 1987 Sep 1;167(2):239–45
Molecular cloning and expression of rat aldolase C messenger RNA during development and hepatocarcinogenesis. Skala H, et al. **Eur J Biochem** 1987 Mar 16;163(3):513–8
Reduced stability of RNA coding for yolk polypeptide 3 in Drosophila melanogaster ovary. Williams JL, et al. **Eur J Biochem** 1986 Nov 17;161(1):95–101
Messenger RNA content and complexity in normal and overloaded rat heart. de la Bastie D, et al. **Eur J Clin Invest** 1987 Jun;17(3):194–201
Modulation of c-fos and c-myc mRNA levels in normal human lymphocytes by calcium ionophore A23187 and phorbol ester. Grausz JD, et al. **Eur J Immunol** 1986 Oct; 16(10):1217–21
Carbamyl phosphate synthetase I deficiency with no detectable mRNA activity. Suzuki Y, et al. **Eur J Pediatr** 1986 Oct;145(5):406–8
Reduction of striatal dopaminergic neurotransmission elevates striatal proenkephalin mRNA. Angulo JA, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):341–3
LHRH messenger RNA in neurons in the intact and castrate male rat forebrain, studied by in situ hybridization. Rothfeld

JM, et al. **Exp Brain Res** 1987;67(1):113–8
Cytoskeletal association of muscle-specific mRNAs in differentiating L6 rat myoblasts. Bagchi T, et al. **Exp Cell Res** 1987 Jan;168(1):160–72
Induction of globin mRNA transcription by erythropoietin in differentiating erythroid precursor cells. Nijhof W, et al. **Exp Hematol** 1987 Aug;15(7):779–84
Expression of human pancreatic polypeptide precursors from a dicistronic mRNA in mammalian cells. Boel E, et al. **FEBS Lett** 1987 Jul 13;219(1):181–8
Glucose regulates preproinsulin messenger RNA levels in a clonal cell line of simian virus 40-transformed B cells. Hammonds P, et al. **FEBS Lett** 1987 Mar 9;213(1):149–54
Elevated pro alpha 2(I) collagen mRNA levels in cultured scleroderma fibroblasts result from an increased transcription rate of the corresponding gene. Kähäri VM, et al. **FEBS Lett** 1987 May 11;215(2):331–4
Retinal photoreceptor neurons and pinealocytes accumulate mRNA for interphotoreceptor retinoid-binding protein (IRBP). van Veen T, et al. **FEBS Lett** 1986 Nov 10; 208(1):133–7
Corticotropin-releasing factor mRNA in the hypothalamus is affected differently by drinking saline and by dehydration. Young WS 3d. **FEBS Lett** 1986 Nov 10; 208(1):158–62
Method for blot-hybridization analysis of mRNA molecules from Bacillus subtilis. Ambulos NP Jr, et al. **Gene** 1987; 51(2–3):281–6
Methionyl- and pituitary derived human growth hormone have identical effects on the expression of growth hormone responsive rat hepatic mRNA. Berry SA, et al. **Horm Res** 1987;25(1):24–8
Ventricular atriopeptin. Unmasking of messenger RNA and peptide synthesis by hypertrophy or dexamethasone. Day ML, et al. **Hypertension** 1987 May;9(5):485–91
Presence of angiotensinogen messenger RNA in various cultured cell lines. Fatigati V, et al. **Hypertension** 1987 Jun; 9(6 Pt 2):III25–30
Modulation of kidney renin messenger RNA levels during experimentally induced hypertension. Moffett RB, et al. **Hypertension** 1986 Oct;8(10):874–82
Maintenance of pancreatic endocrine cells of the neonatal rat: Part VIII—Effect of 2-deoxyglucose on insulin biosynthesis and proinsulin mRNA activity. Kagawa S, et al. **Indian J Biochem Biophys** 1986 Jun;23(3):127–32
Effect of acute inflammation on rat apolipoprotein mRNA levels. Tu GF, et al. **Inflammation** 1987 Jun;11(2):241–51
Decreased ratio of alpha- to beta-globin mRNA in reticulocyte membrane RNA. Mezl VA, et al. **Int J Biochem** 1987;19(6):523–9
Modulation of messenger RNA metabolism in experimental methyl mercury neurotoxicity. Kuznetsov DA, et al. **Int J Neurosci** 1987 May;34(1–2):1–17
Posttranscriptional control of Klebsiella pneumoniae nif mRNA stability by the nifL product. Collins JJ, et al. **J Bacteriol** 1986 Oct;168(1):173–8
Analyses of prealbumin mRNAs in individuals with familial amyloidotic polyneuropathy. Mita S, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1215–22
Epidermal growth factor increases c-myc mRNA without eliciting phosphoinositide turnover, protein kinase C activation, or calcium ion mobilization in Swiss 3T3 fibroblasts. Tsuda T, et al. **J Biochem (Tokyo)** 1986 Dec; 100(6):1631–5
The ATP-dependent interaction of eukaryotic initiation factors with mRNA. Abramson RD, et al. **J Biol Chem** 1987 Mar 15;262(8):3826–32
Purification of a RNA debranching activity from HeLa cells. Arenas J, et al. **J Biol Chem** 1987 Mar 25;262(9):4274–9
Developmental regulation of insulin-like growth factor II mRNA in different rat tissues. Brown AL, et al. **J Biol Chem** 1986 Oct 5;261(28):13144–50
Fatty acid synthetase and its mRNA are induced by progestins in breast cancer cells. Chalbos D, et al. **J Biol Chem** 1987 Jul 25;262(21):9923–6
Identification of glutathione S-transferase Yb1 mRNA as the androgen-repressed mRNA by cDNA cloning and sequence analysis. Chang CS, et al. **J Biol Chem** 1987 Sep 5;262(25):11901–3
Dexamethasone differentially affects the levels of calcitonin and calcitonin gene-related peptide mRNAs expressed in a human medullary thyroid carcinoma cell line. Cote GJ, et al. **J Biol Chem** 1986 Nov 25;261(33):15524–8
Nucleotide sequence and hormonal regulation of mouse glycerophosphate dehydrogenase mRNA during adipocyte and muscle cell differentiation. Dobson DE, et al. **J Biol Chem** 1987 Feb 5;262(4):1804–9
Reduction in S100 protein beta subunit mRNA in C6 rat glioma cells following treatment with anti-microtubular drugs. Dunn R, et al. **J Biol Chem** 1987 Mar 15; 262(8):3562–6
In vivo regulation of hepatic LDL receptor mRNA in the baboon. Differential effects of saturated and unsaturated fat. Fox JC, et al. **J Biol Chem** 1987 May 25;262(15):7014–20
Sequence of rat liver alpha 2-macroglobulin and acute phase control of its messenger RNA. Gehring MR, et al. **J Biol Chem** 1987 Jan 5;262(1):446–54
Inhibitor of translational initiation in sea urchin eggs prevents mRNA utilization. Hansen LJ, et al. **J Biol Chem** 1987 May 5;262(13):6114–20
Analysis of thymidylate synthase gene amplification and of mRNA levels in the cell cycle. Imam AM, et al. **J Biol Chem** 1987 May 25;262(15):7368–73
Molecular cloning of glucokinase cDNA. Developmental and dietary regulation of glucokinase mRNA in rat liver. Iynedjian PB, et al. **J Biol Chem** 1987 May 5;262(13):6032–8
Tissue-specific regulation of glucocorticoid receptor mRNA by dexamethasone. Kalinyak JE, et al. **J Biol Chem** 1987 Aug 5;262(22):10441–4
Tissue-specific regulation of angiotensinogen mRNA accumulation by dexamethasone. Kalinyak JE, et al. **J Biol Chem** 1987 Jan 5;262(1):460–4
Inhibition of translation of mRNAs for ornithine decarboxylase and S-adenosylmethionine decarboxylase by polyamines. Kameji T, et al. **J Biol Chem** 1987 Feb 25; 262(6):2427–30
Fibronectin gene expression in polymorphonuclear leukocytes. Accumulation of mRNA in inflammatory cells. La Fleur M, et al. **J Biol Chem** 1987 Feb 15;262(5):2111–5
Influence of 5' proximal secondary structure on the translational efficiency of eukaryotic mRNAs and on their interaction with initiation factors. Lawson TG, et al. **J Biol Chem** 1986 Oct 25;261(30):13979–89
Tumor necrosis factor and interleukin-1 cause a rapid and transient stimulation of c-fos and c-myc mRNA levels in human fibroblasts. Lin JX, et al. **J Biol Chem** 1987 Sep 5;262(25):11908–11
Molecular cloning of hepatic mRNAs in Rana catesbeiana responsive to thyroid hormone during induced and spontaneous metamorphosis. Lyman DF, et al. **J Biol Chem** 1987 Apr 15;262(11):5233–7
Two independent growth factor-generated signals regulate c-fos and c-myc mRNA levels in Swiss 3T3 cells. McCaffrey P, et al. **J Biol Chem** 1987 Feb 5;262(4):1442–5
Regulation of mRNA entry into polysomes. Parameters affecting polysome size and the fraction of mRNA in polysomes. Nelson EM, et al. **J Biol Chem** 1987 Aug 25; 262(24):11501–6
Regulation of tissue-type plasminogen activator activity and messenger RNA levels by gonadotropin-releasing hormone in cultured rat granulosa cells and cumulus-oocyte complexes. Ny T, et al. **J Biol Chem** 1987 Aug 25; 262(24):11790–3
Hormonal regulation of tissue plasminogen activator secretion and mRNA levels in rat granulosa cells. O'Connell ML, et al. **J Biol Chem** 1987 Feb 15; 262(5):2339–44
Substrate specificity of the exonuclease activity that degrades H4 histone mRNA. Peltz SW, et al. **J Biol Chem** 1987 Jul 5;262(19):9382–8
Increased procollagen mRNA levels in carbon tetrachloride-induced liver fibrosis in rats. Pierce RA, et al. **J Biol Chem** 1987 Feb 5;262(4):1652–8
Hormonal regulation of the synthesis and mRNA content of the regulatory subunit of cyclic AMP-dependent protein kinase type II in cultured rat ovarian granulosa cells. Ratoosh SL, et al. **J Biol Chem** 1987 May 25; 262(15):7306–13
Expression of uncoupling protein mRNA in thermogenic or weakly thermogenic brown adipose tissue. Evidence for a rapid beta-adrenoreceptor-mediated and transcriptionally regulated step during activation of thermogenesis. Ricquier D, et al. **J Biol Chem** 1986 Oct 25;261(30):13905–10
Properties of the exonuclease activity that degrades H4 histone mRNA. Ross J, et al. **J Biol Chem** 1987 Jul 5; 262(19):9374–81
Biosynthesis of human insulin-like growth factor I (IGF-I). The primary translation product of IGF-I mRNA contains an unusual 48-amino acid signal peptide. Rotwein P, et al. **J Biol Chem** 1987 Aug 25;262(24):11807–12
Mature mRNA is selectively released from the nuclear matrix by an ATP/dATP-dependent mechanism sensitive to topoisomerase inhibitors. Schröder HC, et al. **J Biol Chem** 1987 Jun 25;262(18):8917–25
Destabilization of messenger RNA/complementary DNA duplexes by the elongating 80 S ribosome. Shakin SH, et al. **J Biol Chem** 1986 Dec 5;261(34):16018–25
Heterogeneity of amelogenin mRNA in the bovine tooth germ. Shimokawa H, et al. **J Biol Chem** 1987 Mar 25; 262(9):4042–7
Insulin negatively regulates albumin mRNA at the transcriptional and post-transcriptional level in rat hepatoma cells. Straus DS, et al. **J Biol Chem** 1987 Feb 15;262(5):1955–60
Structural analysis and specific expression of microsomal cytochrome P-450(M-1) mRNA in male rat livers [published erratm appears in J Biol Chem 1986 Jun 15;262(17):8438] Yoshioka H, et al. **J Biol Chem** 1987 Feb 5;262(4):1706–11
Human iliac artery endothelial cells express both genes encoding the chains of platelet-derived growth factor (PDGF) and synthesize PDGF-like mitogen. Sitaras NM, et al. **J Cell Physiol** 1987 Aug;132(2):376–80
PDGF induces c-myc mRNA expression in MG-63 human osteosarcoma cells but does not stimulate cell replication. Womer RB, et al. **J Cell Physiol** 1987 Jul;132(1):65–72
Human chorionic gonadotropin and 8-bromo cyclic adenosine monophosphate promote an acute increase in cytochrome P450scc and adrenodoxin messenger RNAs in cultured human granulosa cells by a cycloheximide-insensitive mechanism. Golos TG, et al. **J Clin Invest** 1987 Sep;80(3):897–9
Opposing effects of glucagon and triiodothyronine on the hepatic levels of messenger ribonucleic acid S14 and the dependence of such effects on circadian factors. Kinlaw WB, et al. **J Clin Invest** 1986 Oct;78(4):1091–6
Metallothionein messenger RNA regulation in the mottled mouse and Menkes kinky hair syndrome. Packman S, et al. **J Clin Invest** 1987 May;79(5):1338–42
Transforming growth factor-beta increases steady state levels of type I procollagen and fibronectin messenger RNAs posttranscriptionally in cultured human dermal fibroblasts. Raghow R, et al. **J Clin Invest** 1987 Apr;79(4):1285–8
Translational profiles of alpha 1-, alpha 2-, and beta-globin messenger ribonucleic acids in human reticulocytes. Shakin SH, et al. **J Clin Invest** 1986 Oct;78(4):1125–9
Localization of preproenkephalin mRNA in the rat brain and spinal cord by in situ hybridization. Harlan RE, et al. **J Comp Neurol** 1987 Apr 8;258(2):159–84
The stability and movement of mRNA in Xenopus oocytes and embryos. Colman A, et al. **J Embryol Exp Morphol** 1986 Oct;97 Suppl:197–209
Is maternal mRNA a determinant of tissue-specific proteins in ascidian embryos? Jeffery WR, et al. **J Embryol Exp Morphol** 1986 Oct;97 Suppl:1–14
Anti-sense RNA injections in fertilized eggs as a test for the function of localized mRNAs. Melton DA, et al. **J Embryol Exp Morphol** 1986 Oct;97 Suppl:211–21
Increased level of thyroglobulin mRNA in a human familial goiter. Monticelli A, et al. **J Endocrinol Invest** 1987 Feb; 10(1):59–63
Detection of mRNAs present at low concentrations in rat liver by in situ hybridization: application to the study of metabolic regulation and azo dye hepatocarcinogenesis. Lamas E, et al. **J Histochem Cytochem** 1987 May; 35(5):559–63
Collagen gene expression in keloids: analysis of collagen metabolism and type I, III, IV, and V procollagen mRNAs in keloid tissue and keloid fibroblast cultures. Ala-Kokko L, et al. **J Invest Dermatol** 1987 Sep;89(3):238–44
Localization of profilaggrin mRNA in newborn rat skin by in situ hybridization. Fisher C, et al. **J Invest Dermatol** 1987 May;88(5):661–4
Effects of dietary cholesterol and hypothyroidism on rat apolipoprotein mRNA metabolism. Apostolopoulos JJ, et al. **J Lipid Res** 1987 Jun;28(6):642–8
Specific endonucleolytic cleavage sites for decay of Escherichia coli mRNA. Cannistraro VJ, et al. **J Mol Biol** 1986 Nov 20;192(2):257–74
Time course of response of individual messenger RNAs in the rat heart to T3. Shanker R, et al. **J Mol Cell Cardiol** 1987 Jun;19(6):595–601
Proenkephalin B messenger RNA in porcine tissues: characterization, quantification, and correlation with opioid peptides. Pittius CW, et al. **J Neurochem** 1987 Feb; 48(2):586–92
Developmental changes in levels of translatable mRNAs for enolase isozymes in chicken brain. Tanaka M, et al. **J Neurochem** 1986 Nov;47(5):1523–6
Molecular cloning of a 2',3'-cyclic nucleotide 3'-phosphodiesterase: mRNAs with different 5' ends encode the same set of proteins in nervous and lymphoid tissues. Bernier L, et al. **J Neurosci** 1987 Sep;7(9):2703–10
Increased beta-nerve growth factor messenger RNA and protein levels in neonatal rat hippocampus following specific cholinergic lesions. Whittemore SR, et al. **J Neurosci** 1987 Jan;7(1):244–51
Cellular localization of tyrosine hydroxylase mRNA and its regulation in the rat adrenal medulla and brain by in situ hybridization with an oligodeoxyribonucleotide probe. Han VK, et al. **J Neurosci Res** 1987;17(1):11–8
Evidence for the expression of four myelin basic protein variants in the developing human spinal cord through cDNA cloning. Roth HJ, et al. **J Neurosci Res** 1987; 17(4):321–8
Metallothionein synthesis and mRNA levels in cultured hepatocytes from lethal milk mutant mice. Piletz JE, et al. **J Nutr** 1987 Jan;117(1):183–8
Low protein—high energy diet induces repressed transcription of albumin mRNA in rat liver. Sakuma K, et al. **J Nutr** 1987 Jun;117(6):1141–8
Adenovirus proteins associated with mRNA and hnRNA in infected HeLa cells. Adam SA, et al. **J Virol** 1987 Oct; 61(10):3276–83
Effects of herpes simplex virus on mRNA stability. Strom T, et al. **J Virol** 1987 Jul;61(7):2198–207
Detection of erythropoietin message in hypoxic mouse kidney. Nishida J, et al. **Jpn J Exp Med** 1986 Dec; 56(6):321–3
Increased expression of oncogene c-Ha-ras during granulocytic differentiation of HL60 cells. Studzinski GP, et al. **Lab Invest** 1987 May;56(5):499–504
Differentiation-associated changes in in-vitro mRNA translation in the HL60 cell line. Reyland ME, et al. **Leuk Res** 1986;10(10):1183–91
Relation of supernatant IL-2 to steady state levels of IL-2 mRNA. Gauchat JF, et al. **Lymphokine Res** 1986;5 Suppl 1:S43–7
A comparison of changes in plasma thyrotropin beta- and alpha-subunits, and mouse thyrotropic tumor thyrotropin beta- and alpha-subunit mRNA concentrations after in vivo dexamethasone or T3 administration. Ross DS, et al. **Metabolism** 1987 Aug;36(8):799–803
Identification and molecular weight of SP1 synthesized from mRNA of human placenta in a wheat germ cell-free system. Bocco JL, et al. **Mol Biol Rep** 1987;12(1):55–9

The function of proteins that interact with mRNA. Larson DE, et al. **Mol Cell Biochem** 1987 Mar;74(1):5–15 (129 ref.)
mRNA polyadenylate-binding protein: gene isolation and sequencing and identification of a ribonucleoprotein consensus sequence. Adam SA, et al. **Mol Cell Biol** 1986 Aug;6(8):2932–43
Ribonucleoprotein complex formation during pre-mRNA splicing in vitro. Bindereif A, et al. **Mol Cell Biol** 1986 Jul;6(7):2582–92
Anemia induces accumulation of erythropoietin mRNA in the kidney and liver. Bondurant MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2731–3
Characterization of two atypical promoters and alternate mRNA processing in the mouse Thy-1.2 glycoprotein gene. Ingraham HA, et al. **Mol Cell Biol** 1986 Aug; 6(8):2923–31
Role of protein synthesis in decay and accumulation of mRNA during spore germination in the cellular slime mold Dictyostelium discoideum. Kelly R, et al. **Mol Cell Biol** 1987 Feb;7(2):799–805
Cytochalasin releases mRNA from the cytoskeletal framework and inhibits protein synthesis. Ornelles DA, et al. **Mol Cell Biol** 1986 May;6(5):1650–62
Termination-reinitiation occurs in the translation of mammalian cell mRNAs. Peabody DS, et al. **Mol Cell Biol** 1986 Jul;6(7):2695–703
The adenovirus E1B-55K transforming polypeptide modulates transport or cytoplasmic stabilization of viral and host cell mRNAs. Pilder S, et al. **Mol Cell Biol** 1986 Feb;6(2):470–6
Histone mRNA degradation in vivo: the first detectable step occurs at or near the 3' terminus. Ross J, et al. **Mol Cell Biol** 1986 Dec;6(12):4362–71
Requirements for accurate and efficient mRNA 3' end cleavage and polyadenylation of a simian virus 40 early pre-RNA in vitro. Ryner LC, et al. **Mol Cell Biol** 1987 Jan;7(1):495–503
Six mouse alpha-tubulin mRNAs encode five distinct isotypes: testis-specific expression of two sister genes. Villasante A, et al. **Mol Cell Biol** 1986 Jul;6(7):2409–19
Posttranscriptional control of human gamma interferon gene expression in transfected mouse fibroblasts. Young HA, et al. **Mol Cell Biol** 1986 Jun;6(6):2253–6
The AAUAAA sequence is required both for cleavage and for polyadenylation of simian virus 40 pre-mRNA in vitro. Zarkower D, et al. **Mol Cell Biol** 1986 Jul;6(7):2317–23
Changes in hypothalamic preproenkephalin A mRNA following stress and opiate withdrawal. Lightman SL, et al. **Nature** 1987 Aug 13–19;328(6131):643–5
Translocation of a localized maternal mRNA to the vegetal pole of Xenopus oocytes. Melton DA. **Nature** 1987 Jul 2–8; 328(6125):80–2
Translational regulation in rat brain hemispheres. Tewari S, et al. **Neurochem Res** 1987 Feb;12(2):179–88
Ca2+-dependent histaminergic regulation of proenkephalin mRNA levels in cultured adrenal chromaffin cells. Kley N, et al. **Neuroendocrinology** 1987 Jun;46(1):89–92
Brattleboro rat hypothalamic neurons transcribe vasopressin gene: evidence from in situ hybridization. McCabe JT, et al. **Neuroendocrinology** 1986;44(3):361–4
Synthesis of catalytically active choline acetyltransferase in Xenopus oocytes injected with messenger RNA from rat central nervous system. Berrard S, et al. **Neurosci Lett** 1986 Dec 3;72(1):93–8
Localization of neuron-specific enolase (NSE) mRNA in human brain. Schmechel DE, et al. **Neurosci Lett** 1987 May 6;76(2):233–8
Synthesis of a specific oligodeoxyribonucleotide probe and its use for studying proenkephalin A gene expression. Wan DC, et al. **Neurosci Lett** 1987 Apr 23;76(1):74–80
Enzymatic amplification of translation inhibition of rabbit beta-globin mRNA mediated by anti-messenger oligodeoxynucleotides covalently linked to intercalating agents. Cazenave C, et al. **Nucleic Acids Res** 1987 Jun 25; 15(12):4717–36
In vitro processing of a plant pre-mRNA in a HeLa cell nuclear extract. Hartmuth K, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7513–28
Expression of intron-containing C. elegans heat shock genes in mouse cells demonstrates divergence of 3' splice site recognition sequences between nematodes and vertebrates, and an inhibitory effect of heat shock on the mammalian splicing apparatus. Kay RJ, et al. **Nucleic Acids Res** 1987 May 11;15(9):3723–41
Phosphorylation of a 60 kDa polypeptide from Xenopus oocytes blocks messenger RNA translation. Kick D, et al. **Nucleic Acids Res** 1987 May 26;15(10):4099–109
Specific and cooperative binding of E. coli single-stranded DNA binding protein to mRNA. Shimamoto N, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5241–50
Expression of atrial natriuretic factor gene in heart ventricular tissue. Nemer M, et al. **Peptides** 1986 Nov-Dec; 7(6):1147–52
Association of the adenovirus DNA-binding protein with RNA both in vitro and in vivo. Cleghon VG, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8947–51
Induction and regulation of mRNA encoding 26-kDa protein in human cell lines treated with recombinant human tumor necrosis factor. Defilippi P, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4557–61
Insulin-like growth factor II in human adrenal pheochromocytomas and Wilms tumors: expression at the mRNA and protein level. Haselbacher GK, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(4):1104–6
mRNA for low density lipoprotein receptor in brain and spinal cord of immature and mature rabbits. Hofmann SL, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6312–6
Alternative splicing of human elastin mRNA indicated by sequence analysis of cloned genomic and complementary DNA. Indik Z, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5680–4
A single base change in the Shine-Dalgarno region of 16S rRNA of Escherichia coli affects translation of many proteins. Jacob WF, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4757–61
Coupling of replication type histone mRNA levels to DNA synthesis requires the stem-loop sequence at the 3' end of the mRNA. Levine BJ, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6189–93
Polyadenylylation of an mRNA precursor occurs independently of transcription by RNA polymerase II in vivo. Lewis ED, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8555–9
Effect of premature termination of translation on mRNA stability depends on the site of ribosome release. Nilsson G, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4890–4
Preferential excision of the 5' proximal intron from mRNA precursors with two introns as mediated by the cap structure. Ohno M, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5187–91
Translation of a synthetic two-cistron mRNA in Escherichia coli. Schoner BE, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8506–10
B-cell variant of mouse T200 (Ly-5): evidence for alternative mRNA splicing. Thomas ML, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5360–3
Changes in rat adrenal tyrosine hydroxylase mRNA levels following chronic amphetamine administration. Fontenot GK, et al. **Proc West Pharmacol Soc** 1987;30:263–5
Differential expression of c-myb mRNA in murine B lymphomas by a block to transcription elongation. Bender TP, et al. **Science** 1987 Sep 18;237(4821):1473–6
Reduced steady-state levels of vaccinia virus-specific early mRNAs in interferon-treated chick embryo fibroblasts. Grlin J, et al. **Virology** 1987 May;158(1):28–33
The fates of undermethylated mRNA cap structures of vesicular stomatitis virus (New Jersey) during in vitro transcription. Hammond DC, et al. **Virology** 1987 Aug; 159(2):229–36
[Accumulation of messenger RNA of the atrial natriuretic factor in the rat left ventricle at the compensatory hypertrophy stage in pressure overload] Mercadier JJ, et al. **C R Acad Sci [III]** 1987;305(4):79–82 (Eng. Abstr.) **(Fre)**
[Changes in the content of pepsinogen messenger RNA in the gastric mucosa of rats during N-methyl-N'-nitro-N-nitrosoguanidine-induced carcinogenesis] Glebov AV, et al. **Eksp Onkol** 1986; 8(6):16–8 (Eng. Abstr.) **(Rus)**
[Possible mechanisms of disorders of GTPase activity with substitutions at the 12th and 61st codons of the p21 H-ras protein] Lalaiants IE. **Vopr Onkol** 1987;33(7):9–15 (22 ref.) **(Rus)**

PHARMACODYNAMICS

Ca channels induced in Xenopus oocytes by rat brain mRNA. Leonard JP, et al. **J Neurosci** 1987 Mar;7(3):875–81
Neurotensin and acetylcholine evoke common responses in frog oocytes injected with rat brain messenger ribonucleic acid. Hirono C, et al. **J Physiol (Lond)** 1987 Jan;382:523–35
Regulation of pp60c-src synthesis by inducible RNA complementary to c-src mRNA in polyomavirus-transformed rat cells. Amini S, et al. **Mol Cell Biol** 1986 Jul;6(7):2305–16
Expression of an omega-conotoxin-sensitive calcium channel in Xenopus oocytes injected with mRNA from Torpedo electric lobe. Umbach JA, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5464–8

PHYSIOLOGY

Translation of messenger RNA of pig kidney D-amino acid oxidase in a cell-free system. Inagaki T, et al. **Biochem Int** 1986 Dec;13(6):1045–50
Inositol phosphate formation and chloride current responses induced by acetylcholine and serotonin through GTP-binding proteins in Xenopus oocyte after injection of rat brain messenger RNA. Nomura Y, et al. **Brain Res** 1987 Jul;388(2):113–23
Functions of maternal mRNA as a cytoplasmic factor responsible for pole cell formation in Drosophila embryos. Togashi S, et al. **Dev Biol** 1986 Dec;118(2):352–60
Expression of mRNA homologous to interleukin 1 in human epidermal cells. Bell TV, et al. **J Invest Dermatol** 1987 Apr;88(4):375–9
Messenger RNA regulation during compensatory renal growth. Ouellette AJ. **Kidney Int** 1983 Apr;23(4):575–80
Induction of taurine responsiveness in Xenopus oocytes by messenger RNA from mouse brain. Asanuma A, et al. **Neurosci Lett** 1986 Sep 12;69(3):249–53

RNA, MESSENGER, SPLICING see **RNA SPLICING**

RNA METHYLASES see **RNA, TRANSFER, METHYLTRANSFERASES**

RNA, NEOPLASM

ANALYSIS

Absence of detectable ribonucleic acid in the purified, untransformed mouse glucocorticoid receptor. Kovačič-Milivojević B, et al. **Biochemistry** 1986 Dec 16; 25(25):8266–73
Characterization of glucocorticoid receptors and glucocorticoid receptor mRNA in human leukemia cells: stabilization of the receptor by diisopropylfluorophosphate. Distelhorst CW, et al. **Blood** 1987 Mar;69(3):750–6
bcr-abl RNA in patients with chronic myelogenous leukemia. Shtivelman E, et al. **Blood** 1987 Mar;69(3):971–3
Application of RNA-RNA tissue in situ hybridization in an analysis of a patient with leukemia. Seibel NL, et al. **Hum Pathol** 1987 Jan;18(1):3–8
Co-sedimentation of chondroitin sulfate A glycosaminoglycans and proteoglycans with the cytolytic secretory granules of rat large granular lymphocyte (LGL) tumor cells, and identification of a mRNA in normal and transformed LGL that encodes proteoglycans. Stevens RL, et al. **J Immunol** 1987 Aug 1;139(3):863–8
[Cell kinetics and histological types of gastric cancer as studied by DNA-RNA cytofluorometry after acridine orange fluorescence staining] Morotomi N, et al. **Gan No Rinsho** 1986 Oct;32(12):1540–8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Effects of 3'-(4-morpholinyl)-3'-deaminodaunorubicin,3'-(4-methoxy-1-piperidinyl)-3'-deaminodaunorubicin and daunorubicin on nuclear and polysomal RNA synthesis in human colon carcinoma cells in vitro. Johnston JB, et al. **Cancer Lett** 1986 Nov;33(2):225–33
Changes in nucleolar transcriptional activity and nuclear DNA content during the first steps of rat hepatocarcinogenesis. Deleener A, et al. **Carcinogenesis** 1987 Feb;8(2):195–201
Oestrogen regulates cathepsin D mRNA levels in oestrogen responsive human breast cancer cells. Westley BR, et al. **Nucleic Acids Res** 1987 May 11;15(9):3773–86
Hepatic artery administration of degradable starch microspheres: II. Effects on incorporation of uridine and uracil into RNA of an adenocarcinoma transplanted to rat liver. Teder H, et al. **Res Exp Med (Berl)** 1987;187(2):153–8
[Intensity of the synthesis of RNA precursors in blood lymphocytes of cattle infected with leukemia virus] Kuznetsova NV, et al. **Eksp Onkol** 1987;9(2):30–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of cis- and trans-tamoxifen isomers on RNA incorporation of human breast cancer cells. Benz C, et al. **Mol Pharmacol** 1987 Jul;32(1):13–6
[Changes in the cell cycle and RNA content of cultured cancer cells treated with actinomycin D] Tagawa Y, et al **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1332–7 (Eng. Aostr.) **(Jpn)**

GENETICS

A systematic survey of repetitive sequences abundantly expressed in rat tumors. Kohnoe S, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):107–14
Altered c-myc RNA metabolism in Burkitt's lymphomas and mouse plasmacytomas. Piechaczyk M, et al. **Curr Top Microbiol Immunol** 1986;132:331–8
Tumorigenic Xenopus cells express several maternal and early embryonic mRNAs. Picard JJ, et al. **Exp Cell Res** 1986 Nov;167(1):157–65
Relatively stable population of c-myc RNA that lacks long poly(A). Swartwout SG, et al. **Mol Cell Biol** 1987 Jun; 7(6):2052–8
The mRNA coding for the secreted protease transin is expressed more abundantly in malignant than in benign tumors. Matrisian LM, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9413–7
[Comparison of the hybridization patterns obtained from labelled RNA with Southern blotted restriction fragments of DNAs from the rat liver and hepatoma] Zhang YY, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar;20(1):47–52 (Eng. Abstr.) **(Chi)**

METABOLISM

Correlation of biochemical effects and incorporation of 3-deazaguanine into nucleic acids to cytotoxicity in L1210 cells. Pieper RO, et al. **Cancer Res** 1986 Oct;46(10):4960–5
Interaction of RNA with transformed glucocorticoid receptor. II. Identification of the RNA as transfer RNA. Ali M, et al. **J Biol Chem** 1987 May 15;262(14):6778–84
Interaction of RNA with transformed glucocorticoid receptor. I. Isolation and purification of the RNA. Ali M, et al. **J Biol Chem** 1987 May 15;262(14):6771–7
Regulation of c-myc RNA and its proteins in Daudi cells by interferon-beta. Jonak GJ, et al. **J Interferon Res** 1987 Feb;7(1):41–52
[Effects of synthetic isoharringtonine on DNA, RNA, ATP, protein and nucleoprotein of transplanted tumor cells in mice] Liu LS, et al. **Chung Kuo Yao Li Hsueh Pao** 1986

May;7(3):279–82 (Eng. Abstr.) (Chi)

ULTRASTRUCTURE

Modification of tRNA and its applicability for the assessment of prognosis, state of differentiation, and clonality in human leukemias and lymphomas. Emmerich B, et al. **Hamatol Bluttransfus** 1987;30:241–50

[A minority of thymic lymphomas induced in the rat by a murine radioleukosis virus presents insertion in the vicinity of c-myc and a majority, a new nonviral polyadenylated RNA] Janowski M, et al. **C R Soc Biol (Paris)** 1987; 181(1):55–61 (Eng. Abstr.) (Fre)

RNA NUCLEOTIDYLTRANSFERASES

[Possible functional role of the DD-domain of RNA-dependent polymerases] Zavriev SK, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):229–41 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Inactivation of yeast nucleotidyl transferase and its effect on the integrity of the aminoacid acceptor end of transfer RNA. del Rio JM, et al. **Int J Biochem** 1987;19(2):127–31

Inhibition of DNA primase by nucleoside triphosphates and their arabinofuranosyl analogs. Parker WB, et al. **Mol Pharmacol** 1987 Feb;31(2):146–51

[Inhibition of influenza virus A RNA-polymerase activity by various 3'-amino-3'-deoxy- and 3'-azido-3'-deoxyribonucleoside-5'-triphosphates] Pravdina NF, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb; (2):39–42 (Eng. Abstr.) (Rus)

GENETICS

The sequence of the coxsackievirus A 21 polymerase gene indicates a remarkably close relationship to the polioviruses. Brief report. Hughes PJ, et al. **Arch Virol** 1987;94(1–2):141–7

Yeast DNA polymerase—DNA primase complex; cloning of PRI 1, a single essential gene related to DNA primase activity. Lucchini G, et al. **EMBO J** 1987 Mar;6(3):737–42

Role of sog polypeptides specified by plasmid ColIb-P9 and their transfer between conjugating bacteria. Merryweather A, et al. **EMBO J** 1986 Nov;5(11):3007–12

Molecular cloning of the plasmid RP4 primase region in a multi-host-range tacP expression vector. Fürste JP, et al. **Gene** 1986;48(1):119–31

A mutation in Escherichia coli tRNA nucleotidyltransferase that affects only AMP incorporation is in a sequence often associated with nucleotide-binding proteins. Zhu LQ, et al. **J Biol Chem** 1986 Nov 15;261(32):14875–7

Nucleotide sequence analysis of the L gene of Newcastle disease virus: homologies with Sendai and vesicular stomatitis viruses. Yusoff K, et al. **Nucleic Acids Res** 1987 May 26;15(10):3961–76

Expression of enzymatically active poliovirus RNA-dependent RNA polymerase in Escherichia coli. Morrow CD, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(17):6050–4

Identification of putative polymerase gene product in cells infected with murine coronavirus A59. Denison M, et al. **Virology** 1987 Apr;157(2):565–8

[Recombinant RNA and its replication] Hulanicka D. **Postepy Biochem** 1985;31(3–4):589–91 (Pol)

ISOLATION & PURIFICATION

Purification of a RNA debranching activity from HeLa cells. Arenas J, et al. **J Biol Chem** 1987 Mar 25;262(9):4274–9

On the fidelity of DNA replication. Isolation of high fidelity DNA polymerase-primase complexes by immunoaffinity chromatography. Reyland ME, et al. **J Biol Chem** 1987 Aug 5;262(22):10824–30

Identification of 100 and 150 S DNA polymerase alpha-primase megacomplexes solubilized from the nuclear matrix of regenerating rat liver [published erratum appears in J Biol Chem 1987 Jul 15;262(20):9921] Tubo RA, et al. **J Biol Chem** 1987 Apr 25;262(12):5857–65

Resolution and purification of free primase activity from the DNA primase-polymerase alpha complex of HeLa cells. Vishwanatha JK, et al. **Nucleic Acids Res** 1986 Nov 11; 14(21):8467–87

METABOLISM

Processivity of the DNA polymerase alpha-primase complex from calf thymus. Hohn KT, et al. **Biochemistry** 1987 May 19;26(10):2870–8

Mechanism of initiation of in vitro DNA synthesis by the immunopurified complex between yeast DNA polymerase I and DNA primase. Badaracco G, et al. **Eur J Biochem** 1986 Dec 1;161(2):435–40

Lactate dehydrogenase and glyceraldehyde-phosphate dehydrogenase are single-stranded DNA-binding proteins that affect the DNA-polymerase-alpha-primase complex. Grosse F, et al. **Eur J Biochem** 1986 Nov 3;160(3):459–67

Cell-cycle-dependent expression of DNA primase activity. Reiter T, et al. **Eur J Biochem** 1987 Apr 1;164(1):59–63

Eucaryotic primase. Roth YF. **Eur J Biochem** 1987 Jun 15; 165(3):473–81 (133 ref.)

Nuclear matrix-bound DNA primase. Elucidation of an RNA priming system in nuclear matrix isolated from regenerating rat liver. Tubo RA, et al. **J Biol Chem** 1987 May 15; 262(14):6637–42

Synthesis of globin RNA in enucleated differentiating murine erythroleukemia cells. Volloch V, et al. **J Cell Biol** 1987 Jul;105(1):137–43

Characterization of West Nile virus RNA-dependent RNA polymerase and cellular terminal adenylyl and uridylyl transferases in cell-free extracts. Grun JB, et al. **J Virol** 1986 Dec;60(3):1113–24

Primer-dependent synthesis of covalently linked dimeric RNA molecules by poliovirus replicase. Lubinski JM, et al. **J Virol** 1987 Oct;61(10):2997–3003

Selection of template initiation sites and the lengths of RNA primers synthesized by DNA primase are strongly affected by its organization in a multiprotein DNA polymerase alpha complex. Vishwanatha JK, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7305–23

RNA end-labeling and RNA ligase activities can produce a circular rRNA in whole cell extracts from trypanosomes. White TC, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3275–90

Recognition of sugar moieties on substrate analogues by DNA polymerase alpha 2-primase from developing cherry salmon (Oncorhynchus masou) testes. Izuta S, et al. **Nucleic Acids Symp Ser** 1986;(17):153–6

A cryptic proofreading 3'——5' exonuclease associated with the polymerase subunit of the DNA polymerase-primase from Drosophila melanogaster. Cotterill SM, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5635–9

Relative roles of T7 RNA polymerase and gene 4 primase for the initiation of T7 phage DNA replication in vivo. Sugimoto K, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):3977–81

Stimulation of human neuroblastoma DNA polymerase alpha and primase activities by a protein factor isolated from rat liver chromatin. Takada S, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9348–52

The protein subunits of the double-stranded RNA dependent RNA polymerase and methyltransferase of the cytoplasmic polyhedrosis virus of silkworm, Bombyx mori. Dai RM, et al. **Sci Sin [B]** 1986 Dec;29(12):1267–72

The chemistry of self-splicing RNA and RNA enzymes. Cech TR. **Science** 1987 Jun 19;236(4808):1532–9

Characterization of Kunjin virus RNA-dependent RNA polymerase: reinitiation of synthesis in vitro. Chu PW, et al. **Virology** 1987 Apr;157(2):330–7

RNA PHAGES

DRUG EFFECTS

Effect of root extract from Boerhaavia diffusa L., containing an antiviral principle upon plaque formation of RNA bacteriophages. Awasthi LP, et al. **Zentralbl Mikrobiol** 1986;141(5):415–9

GENETICS

Characterization of an intergroup serological mutant from group II RNA phage GA. Harigai H, et al. **Microbiol Immunol** 1986;30(12):1247–57

PHYSIOLOGY

Bacteriophages F0lac h, SR, SF: phages which adsorb to pili encoded by plasmids of the S-complex. Coetzee JN, et al. **J Gen Microbiol** 1986 Oct;132 (Pt 10):2907–17

RNA POLYMERASE I

GENETICS

Regions upstream from the core promoter of the rat ribosomal gene are required for the formation of a stable transcription initiation complex by RNA polymerase I in vitro. Cassidy B, et al. **Biochim Biophys Acta** 1987 Jul 14; 909(2):133–44

RPC40, a unique gene for a subunit shared between yeast RNA polymerases A and C. Mann C, et al. **Cell** 1987 Feb 27;48(4):627–37

Additional RNA polymerase I initiation site within the nontranscribed spacer region of the rat rRNA gene. Cassidy BG, et al. **Mol Cell Biol** 1987 Jul;7(7):2388–96

An RNA polymerase I enhancer in Saccharomyces cerevisiae. Elion EA, et al. **Mol Cell Biol** 1986 Jun; 6(6):2089–97

IMMUNOLOGY

Autoantibodies against RNA polymerase I in scleroderma and Sjögren's syndrome sera [published erratum appears in Biochem Biophys Res Commun 1987 Jun 30;145(3):1404] Stetler DA, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1296–302

Production of monoclonal antibodies against RNA polymerase I from nonimmunized autoimmune MRL/lpr mice and their use in rDNA transcription analysis. Barsoum AL, et al. **J Biol Chem** 1987 Sep 15;262(26):12759–63

Autoantibody to RNA polymerase I in scleroderma sera. Reimer G, et al. **J Clin Invest** 1987 Jan;79(1):65–72

Anti-RNA polymerase I antibodies: potential role in the induction and progression of murine lupus nephritis. Stetler DA, et al. **J Immunol** 1987 Apr 1;138(7):2119–23

ISOLATION & PURIFICATION

Large scale isolation of RNA polymerase I of Tetrahymena pyriformis and the identification of polymerase-associated polypeptides. Freiburg M. **Comp Biochem Physiol [B]** 1987; 86(4):655–62

METABOLISM

Relationship between RNA polymerase I activity and ornithine decarboxylase in rat liver tissues. Urata M, et al. **Biochem J** 1987 Jan 1;241(1):169–74

Transcription of liver ribosomal RNA: differential effect of 5-fluorouracil depending on the nutritional state of mice. Iapalucci-Espinoza S, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):287–94

Processing and termination of RNA polymerase I transcripts. Reeder RH, et al. **Bioessays** 1987 Mar;6(3):108–12

Pol I transcription: which comes first, the end or the beginning? Baker SM, et al. **Cell** 1986 Dec 26;47(6):839–40 (19 ref.)

Regulation of eukaryotic ribosomal RNA transcription by RNA polymerase modification. Bateman E, et al. **Cell** 1986 Nov 7;47(3):445–50

Eukaryotic RNA polymerase I promoter binding is directed by protein contacts with transcription initiation factor and is DNA sequence-independent. Kownin P, et al. **Cell** 1987 Aug 28;50(5):693–9

A termination site for Xenopus RNA polymerase I also acts as an element of an adjacent promoter. McStay B, et al. **Cell** 1986 Dec 26;47(6):913–20

Transcription of mouse rDNA is regulated by an activated subform of RNA polymerase I. Tower J, et al. **Cell** 1987 Sep 11;50(6):873–83

Recombination-stimulating sequences in yeast ribosomal DNA correspond to sequences regulating transcription by RNA polymerase I. Voelkel-Meiman K, et al. **Cell** 1987 Mar 27;48(6):1071–9

Comparison of the effects of polyamines on the activities of RNA polymerases from murine normal tissues and transplantable tumors. Blair DG. **Comp Biochem Physiol [B]** 1986;85(4):833–44

Phosphorylation of RNA polymerase I-associated polypeptides of Tetrahymena pyriformis. Freiburg M. **J Biochem (Tokyo)** 1987 Feb;101(2):465–75

Age-related RNA polymerase I activity in isolated nuclei of PHA stimulated human lymphocytes. Doggett DL, et al. **Mech Ageing Dev** 1986 Sep;36(1):25–39

Isolation, fractionation and reconstitution of a nuclear extract capable of transcribing ribosomal DNA. Haglund RE, et al. **Mol Cell Biochem** 1987 Jan;73(1):11–20

Sequestration analysis for RNA polymerase I transcription factors with various deletion and point mutations reveals different functional regions of the mouse rRNA gene promoter. Nagamine M, et al. **Mol Cell Biol** 1987 Apr; 7(4):1486–95

RNA POLYMERASE II

RNA polymerase II transcription terminates at a specific DNA sequence in a HeLa cell-free reaction. Baek KH, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7623–7

ANALYSIS

Immunochemical analysis of mammalian RNA polymerase II subspecies. Stability and relative in vivo concentration. Kim WY, et al. **J Biol Chem** 1986 Oct 25;261(30):14219–25

[Study of the IIO subspecies of RNA polymerase II in cells of monkey kidney; increased proportion of the IIO subunit determined using immunodetection] García-Carrancá A, et al. **Rev Latinoam Microbiol** 1987 Jan–Mar;29(1):35–41 (Eng. Abstr.) (Spa)

ANTAGONISTS & INHIBITORS

Selective repression of RNA polymerase II by microinjected phosvitin. Egyházi E, et al. **Chromosoma** 1986;94(5):329–36

A monoclonal antibody directed against a small subunit of RNA polymerase B blocks the initiation step. Vilamitjana J, et al. **Eur J Biochem** 1987 Jan 15;162(2):317–23

Effect of morpholinyladriamycin analogs and adriamycin on the activities of DNA polymerase alpha and RNA polymerase II of chicken leukemia cells. Chuang LF, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):372–7

GENETICS

Functional redundancy and structural polymorphism in the large subunit of RNA polymerase II. Nonet M, et al. **Cell** 1987 Sep 11;50(6):909–15

Cloning and sequence analysis of the mouse genomic locus encoding the largest subunit of RNA polymerase II. Ahearn JM Jr, et al. **J Biol Chem** 1987 Aug 5; 262(22):10695–705

Modification of RNA polymerase IIO subspecies after poliovirus infection. Rangel LM, et al. **J Virol** 1987 Apr; 61(4):1002–6

Localization of an alpha-amanitin resistance mutation in the gene encoding the largest subunit of mouse RNA polymerase II. Bartolomei MS, et al. **Mol Cell Biol** 1987 Feb;7(2):586–94

Human ribosomal DNA fragments amplified in hamster cells are transcribed only by RNA polymerase II and are not silver stained. Dhar VN, et al. **Mol Cell Biol** 1987 Mar;

7(3):1289–92
Isolation and characterization of temperature-sensitive RNA polymerase II mutants of Saccharomyces cerevisiae. Himmelfarb HJ, et al. **Mol Cell Biol** 1987 Jun;7(6):2155–64
Eucaryotic RNA polymerase conditional mutant that rapidly ceases mRNA synthesis. Nonet M, et al. **Mol Cell Biol** 1987 May;7(5):1602–11
Chromosomal assignment of gene encoding the largest subunit of RNA polymerase II in the mouse. Pravtcheva D, et al. **Somatic Cell Mol Genet** 1986 Sep;12(5):523–8

ISOLATION & PURIFICATION

Dye-ligand affinity chromatography of RNA polymerase II. Skripal IG, et al. **Acta Biochim Biophys Hung** 1986; 21(3):215–24
Structure of monkey kidney cell RNA polymerase II: characterization of RNA polymerase associated with SV40 late transcriptional complexes. Garcia-Carranca A, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):232–8
The 180 KDa polypeptide contains the DNA-binding domain of RNA polymerase II. Chuang RY, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):73–80
An RNA polymerase II transcription system from rat liver. Purification of an essential component. Conaway JW, et al. **J Biol Chem** 1987 Jun 15;262(17):8293–7
Studies on the mechanism of glucocorticoid hormone induced alterations in rat thymic transcription—II. Partial purification and characterization of RNA polymerases II from hydrocortisone and control vehicle treated animals. Buss WC, et al. **J Steroid Biochem** 1987 Aug;28(2):129–38

METABOLISM

Protein kinase C phosphorylates leukemia RNA polymerase II. Chuang LF, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1376–83
DNA sequences which influence the selection and efficient utilisation of transcriptional start sites of a eukaryotic gene by RNA polymerase II in vitro and in vivo. Kovacs BJ, et al. **Biosci Rep** 1986 Nov;6(11):937–44
A rapid and simple procedure for purification of S-II, a transcription factor of ribonucleic acid polymerase II. Hirashima S, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb; 35(2):877–81
Comparison of the effects of polyamines on the activities of RNA polymerases from murine normal tissues and transplantable tumors. Blair DG. **Comp Biochem Physiol [B]** 1986;85(4):833–44
Proteins that bind to RNA polymerase II are required for accurate initiation of transcription at the adenovirus 2 major late promoter. Burton ZF, et al. **EMBO J** 1986 Nov; 5(11):2923–30
Intragenic pausing and anti-sense transcription within the murine c-myc locus. Nepveu A, et al. **EMBO J** 1986 Nov; 5(11):2859–65
RNA contacts subunits IIo and IIc in HeLa RNA polymerase II transcription complexes. Bartholomew B, et al. **J Biol Chem** 1986 Oct 25;261(30):14226–31
Messenger RNA synthesis in mammalian cells is catalyzed by the phosphorylated form of RNA polymerase II. Cadena DL, et al. **J Biol Chem** 1987 Sep 15;262(26):12468–74
Transcription initiation by RNA polymerase II in vitro. Properties of preinitiation, initiation, and elongation complexes. Cai H, et al. **J Biol Chem** 1987 Jan 5; 262(1):298–304
Purified RNA polymerase II recognizes specific termination sites during transcription in vitro. Dedrick RL, et al. **J Biol Chem** 1987 Jul 5;262(19):9098–108
Transcription initiation by RNA polymerase II in vitro. At least two nucleotides must be added to form a stable ternary complex. Luse DS, et al. **J Biol Chem** 1987 Jan 5; 262(1):289–97
Fractionation of transcription factors for RNA polymerase II from Drosophila Kc cell nuclear extracts. Price DH, et al. **J Biol Chem** 1987 Mar 5;262(7):3244–55
Purification and functional characterization of transcription factor SII from calf thymus. Role in RNA polymerase II elongation. Rappaport J, et al. **J Biol Chem** 1987 Apr 15; 262(11):5227–32
Factors involved in specific transcription by mammalian RNA polymerase II. Purification and functional analysis of initiation factors IIB and IIE. Reinberg D, et al. **J Biol Chem** 1987 Mar 5;262(7):3310–21
Factors involved in specific transcription by mammalian RNA polymerase II. Transcription factor IIS stimulates elongation of RNA chains. Reinberg D, et al. **J Biol Chem** 1987 Mar 5;262(7):3331–7
Factors involved in specific transcription in mammalian RNA polymerase II. Fusctional analysis of initiation factors IIA and IID and identification of a new factor operating at sequences downstream of the initiation site. Reinberg D, et al. **J Biol Chem** 1987 Mar 5;262(7):3322–30
Purified Saccharomyces cerevisiae RNA polymerase II interacts homologously with two different promoters as revealed by P1 endonuclease analysis. Camilloni G, et al. **MGG** 1986 Aug;204(2):249–57
RNA polymerase II interacts with the promoter region of the noninduced hsp70 gene in Drosophila melanogaster cells. Gilmour DS, et al. **Mol Cell Biol** 1986 Nov; 6(11):3984–9
RNA polymerase II terminates transcription in vitro in the SV40 origin region. Grass DS, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4417–36
Xenopus tropicalis U6 snRNA genes transcribed by Pol III contain the upstream promoter elements used by Pol II dependent U snRNA genes. Krol A, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2463–78
Influence of RNA polymerase II upon vaccinia virus-related translation examined by means of alpha-amanitin. Wilton S, et al. **Virus Res** 1986 Sep;5(4):323–41

PHARMACODYNAMICS

Polyadenylylation of an mRNA precursor occurs independently of transcription by RNA polymerase II in vivo. Lewis ED, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8555–9

RNA POLYMERASE III see under **RNA POLYMERASES**

RNA POLYMERASES

ANALYSIS

[Highly selective affinity labeling of DNA-dependent RNA-polymerase of bacteriophage T7] Grachev MA, et al. **Bioorg Khim** 1987 Apr;13(4):568–70 (Eng. Abstr.) **(Rus)**
[Affinity modification of E. coli RNA-polymerase in a complex with the promoter by phosphorylating derivatives of primer oligonucleotides] Grachev MA, et al. **Bioorg Khim** 1986 Dec;12(12):1678–81 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

T7 lysozyme inhibits transcription by T7 RNA polymerase. Moffatt BA, et al. **Cell** 1987 Apr 24;49(2):221–7
Differential ability of various plasmid DNAs to sequester inhibitors of RNA polymerase III transcription. Gutierrez-Hartmann A, et al. **DNA** 1987 Jun;6(3):231–7
The effect of malathion on RNA polymerase activity of cell nuclei and transcription products in lymphocyte culture. Wiszkowska H, et al. **Environ Res** 1986 Dec;41(2):372–7
The sorangicins, novel and powerful inhibitors of eubacterial RNA polymerase isolated from myxobacteria. Irschik H, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):7–13
Inhibition of the RNA polymerase-catalyzed synthesis of RNA by daunomycin. Effect of the inhibitor on the late steps of RNA chain initiation. Kriebardis T, et al. **J Biol Chem** 1987 Sep 15;262(26):12632–40
The 5'-flanking sequences of Drosophila melanogaster tRNA5Asn genes differentially arrest RNA polymerase III. Lofquist A, et al. **J Biol Chem** 1986 Nov 5;261(31):14600–6
Induction of specific transcription by RNA polymerase III in transformed cells. Carey MF, et al. **Mol Cell Biol** 1986 Sep;6(9):3068–76
Inhibition of RNA and DNA polymerases by the product of the reaction of selenite with sulfhydryl compounds. Frenkel GD, et al. **Mol Pharmacol** 1987 Jan;31(1):112–6
[Kinetics of inhibition by 8-oxy-ATP of the dinucleotide pppApU synthesis catalyzed by Escherichia coli RNA-polymerase on the promoter A1 of phage T7 delta D111 DNA during coupled synthesis of di- and trinucleotides and a limited set of substrates] Kuriavyi VV, et al. **Mol Biol (Mosk)** 1987 Mar-Apr;21(2):462–71 (Eng. Abstr.) **(Rus)**
[Inhibition of influenza A virus RNA-polymerase by deoxydinucleoside phosphates] Pravdina NF, et al. **Mol Gen Mikrobiol Virusol** 1985 Mar;(3):44–7 **(Rus)**

BIOSYNTHESIS

Site-directed mutagenesis of proteinase 3C results in a poliovirus deficient in synthesis of viral RNA polymerase. Dewalt PG, et al. **J Virol** 1987 Jul;61(7):2162–70

GENETICS

Gene cloning and mutant isolation of subunits of RNA polymerases in the yeast Saccharomyces cerevisiae. Thuriaux P, et al. **Basic Life Sci** 1986;40:519–31
The RPO31 gene of Saccharomyces cerevisiae encodes the largest subunit of RNA polymerase III. Moyle M, et al. **Biochem Cell Biol** 1986 Aug;64(8):717–21
Transcription of genomic bovine and Xenopus laevis DNA species by RNA polymerase III in HeLa-cell cytosol extracts. Furth JJ, et al. **Biochem J** 1986 Aug 1; 237(3):827–35
An RNA polymerase mutant with reduced accuracy of chain elongation. Blank A, et al. **Biochemistry** 1986 Oct 7; 25(20):5920–8
An Escherichia coli RNA polymerase tight-binding site on T7 DNA is a weak promoter subject to substrate inhibition. Prosen DE, et al. **Biochemistry** 1986 Sep 23;25(19):5378–87
RPC40, a unique gene for a subunit shared between yeast RNA polymerases A and C. Mann C, et al. **Cell** 1987 Feb 27;48(4):627–37
The cloning and sequence of the gene encoding the omega subunit of Escherichia coli RNA polymerase. Gentry DR, et al. **Gene** 1986;48(1):33–40
Bacillus subtilis phage phi 29 main promoters are efficiently recognized in vivo by the Streptomyces lividans RNA polymerase. Pulido D, et al. **Gene** 1986;49(3):377–82
Effect of multiple copies of rpoBC on the rate of RNA synthesis in Escherichia coli. Guzman EC, et al. **Genet Res** 1986 Oct;48(2):61–4
Gene encoding the 37,000-dalton minor sigma factor of Bacillus subtilis RNA polymerase: isolation, nucleotide sequence, chromosomal locus, and cryptic function. Duncan ML, et al. **J Bacteriol** 1987 Feb;169(2):771–8
Evidence that Rho and NusA are involved in termination in the rplL-rpoB intercistronic region. Ralling G, et al. **J Bacteriol** 1987 May;169(5):2277–80
Genetic analysis of RNA polymerase-promoter interaction during sporulation in bacillus subtilis. Ray C, et al. **J Bacteriol** 1987 May;169(5):1807–11
Gene for the alpha subunit of Bacillus subtilis RNA polymerase maps in the ribosomal protein gene cluster. Suh JW, et al. **J Bacteriol** 1986 Oct;168(1):65–71
Genetic suppression of a temperature-sensitive groES mutation by an altered subunit of RNA polymerase of Escherichia coli K-12. Wada M, et al. **J Bacteriol** 1987 Mar;169(3):1102–6
Interactions of a proteolytically nicked RNA polymerase of bacteriophage T7 with its promoter. Ikeda RA, et al. **J Biol Chem** 1987 Mar 15;262(8):3800–8
Regulation of a promoter that is utilized by minor forms of RNA polymerase holoenzyme in Bacillus subtilis. Igo MM, et al. **J Mol Biol** 1986 Oct 20;191(4):615–24
Nucleotide sequences that define promoters that are used by Bacillus subtilis sigma-29 RNA polymerase. Rather PN, et al. **J Mol Biol** 1986 Dec 5;192(3):557–65
Comparison of the open complexes formed by RNA polymerase at the Escherichia coli lac UV5 promoter. Straney DC, et al. **J Mol Biol** 1987 Jan 20;193(2):279–92
A stressed intermediate in the formation of stably initiated RNA chains at the Escherichia coli lac UV5 promoter. Straney DC, et al. **J Mol Biol** 1987 Jan 20;193(2):267–78
Use of bacteriophage T7 RNA polymerase to direct selective high-level expression of cloned genes. Studier FW, et al. **J Mol Biol** 1986 May 5;189(1):113–30
Phenotypic characterization of temperature-sensitive mutants of vaccinia virus with mutations in a 135,000-Mr subunit of the virion-associated DNA-dependent RNA polymerase. Ensinger MJ. **J Virol** 1987 Jun;61(6):1842–50
DNA-dependent RNA polymerase subunits encoded within the vaccinia virus genome. Jones EV, et al. **J Virol** 1987 Jun;61(6):1765–71
Two of the three influenza viral polymerase proteins expressed by using baculovirus vectors form a complex in insect cells. St. Angelo C, et al. **J Virol** 1987 Feb; 61(2):361–5
Use of a hybrid vaccinia virus-T7 RNA polymerase system for expression of target genes. Fuerst TR, et al. **Mol Cell Biol** 1987 Jul;7(7):2538–44
Competitive and cooperative functioning of the anterior and posterior promoter elements of an Alu family repeat. Perez-Stable C, et al. **Mol Cell Biol** 1986 Jun;6(6):2041–52
Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase. Kotani H, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2653–64
Promoter selectivity of Escherichia coli RNA polymerase: alteration by fMet-tRNAfMet. Nomura T, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6857–70
A most primitive primodial gene as a building block of the genes for the adenylate kinase, F1-ATPase subunits (epsilon and gamma), aminoacyl-tRNA synthetase, and core enzyme subunits. Ohnishi K. **Nucleic Acids Symp Ser** 1986;(17):127–30
Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase. Fuerst TR, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8122–6
Prokaryotic and eukaryotic RNA polymerases have homologous core subunits. Sweetser D, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1192–6
Primary structure of the polymerase acidic (PA) gene of an influenza B virus (B/Sing/222/79). Akoto-Amanfu E, et al. **Virology** 1987 Jul;159(1):147–53
[Highly selective affinity labeling of a promoter in a complex with E. coli RNA-polymerase by alkylating derivatives of initiating substrates] Grachev MA, et al. **Bioorg Khim** 1987 Apr;13(4):565–7 (Eng. Abstr.) **(Rus)**
[Substitution of RNA-polymerase sigma-subunits and transcription regulation] Zograf IuN. **Genetika** 1986 Nov; 22(11):2583–92 (181 ref.) (Eng. Abstr.) **(Rus)**
[Transcription of ribosomal protein genes rplKAJL and RNA-polymerase genes rpoBC in Escherichia coli cells: metabolic regulation of attenuation and the effect of rifampicin] Kliachko EV, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1337–43 (Eng. Abstr.) **(Rus)**
[Stimulation of the transcription of the RNA polymerase genes of Escherichia coli (beta beta' subunits) in vitro as affected by rifampicin] Fedoseeva VB, et al. **Mol Gen Mikrobiol Virusol** 1986 Sep;(9):36–43 (Eng. Abstr.) **(Rus)**
[Effect of mutation changes in RNA-polymerase and transcription termination factor rho on expression of various operons in E. coli] Iarulin VR, et al. **Mol Gen Mikrobiol Virusol** 1985 Oct;(10):8–19 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Partial characterization of DNA-dependent RNA polymerases from Entamoeba histolytica. Vanik JM, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:101–6
Isolation and characterization of a mitochondrial RNA polymerase from Drosophila melanogaster. Goldenthal M,

et al. **Biochem Cell Biol** 1987 Feb;65(2):173–82

A soluble biotinyl–alpha–amanitin affinity probe for the isolation of RNA polymerase B. Vaisius AC, et al. **Biochem Cell Biol** 1986 Sep;64(9):923–9

Demonstration of RNA polymerase multiplicity in Trypanosoma brucei. Characterization and purification of alpha–amanitin–resistant and –sensitive enzymes. Earnshaw DL, et al. **Biochem J** 1987 Feb 1;241(3):649–55

DNA–dependent RNA polymerase from the chlorotetracycline producing strain of Streptomyces aureofaciens. Simúth J, et al. **FEBS Lett** 1987 Jun 22; 218(1):163–6

Promoter selectivity of Escherichia coli RNA polymerase. Purification and properties of holoenzyme containing the heat–shock sigma subunit. Fujita N, et al. **J Biol Chem** 1987 Feb 5;262(4):1855–9

Purification and characterization of a transcription termination factor from vaccinia virions. Shuman S, et al. **J Biol Chem** 1987 Sep 5;262(25):12372–80

Purification and partial characterization of DNA–dependent RNA polymerase from Rhodomicrobium vannielii. Scott NW, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):1939–49

The three influenza virus polymerase (P) proteins not associated with viral nucleocapsids in the infected cell are in the form of a complex. Detjen BM, et al. **J Virol** 1987 Jan;61(1):16–22

Rapid enrichment of HeLa transcription factors IIIB and IIIC by using affinity chromatography based on avidin–biotin interactions. Kasher MS, et al. **Mol Cell Biol** 1986 Sep;6(9):3117–27

METABOLISM

Plant RNA polymerases: structures, regulation, and genes. Guilfoyle TJ, et al. **Basic Life Sci** 1987;41:87–100

Characterization of the guanosine–3'–diphosphate–5'–diphosphate binding site on E. coli RNA polymerase using a photoprobe, 8–azidoguanosine–3'–5'–bisphosphate. Owens JR, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):964–71

Effects of lead acetate on DNA and RNA synthesis by intact HeLa cells, isolated nuclei and purified polymerases. Frenkel GD, et al. **Biochem Pharmacol** 1987 Jan 15; 36(2):265–8

Chemical modification of Escherichia coli RNA polymerase by diethyl pyrocarbonate: evidence of histidine requirement for enzyme activity and intrinsic zinc binding. Abdulwajid AW, et al. **Biochemistry** 1986 Dec 16;25(25):8167–72

The sigma subunit of RNA polymerase contacts the leading ends of transcripts 9–13 bases long on the lambda PR promoter but not on T7 A1. Bernhard SL, et al. **Biochemistry** 1986 Oct 7;25(20):5914–9

Specific activation of transcription initiation by the sequence–specific DNA–binding agents distamycin A and netropsin. Bruzik JP, et al. **Biochemistry** 1987 Feb 10; 26(3):950–6

Structural and functional differences between the two intrinsic zinc ions of Escherichia coli RNA polymerase. Giedroc DP, et al. **Biochemistry** 1986 Aug 26; 25(17):4969–78

Interactions of T7 RNA polymerase with T7 late promoters measured by footprinting with methidiumpropyl–EDTA–iron(II). Gunderson SI, et al. **Biochemistry** 1987 Mar 24;26(6):1539–46

Replacement of potassium chloride by potassium glutamate dramatically enhances protein–DNA interactions in vitro. Leirmo S, et al. **Biochemistry** 1987 Apr 21;26(8):2095–101

Kinetic analysis of T7 RNA polymerase–promoter interactions with small synthetic promoters. Martin CT, et al. **Biochemistry** 1987 May 19;26(10):2690–6

Synthesis of in vitro ColE1 transcripts with 5'–terminal ribonucleotides that exhibit noncomplementarity with the DNA template. Parker RC. **Biochemistry** 1986 Oct 21; 25(21):6593–8

Role of a second catabolite activator protein molecule in controlling initiation of transcription at the galactose operon of Escherichia coli. Shanblatt SH, et al. **Biochemistry** 1986 Sep 23;25(19):5539–46

Effect of drug–DNA interactions upon transcription initiation at the lac promoter. Straney DC, et al. **Biochemistry** 1987 Apr 7;26(7):1987–95

Peptides regulate the activity of RNA polymerases in Tetrahymena. Andersen HA, et al. **Biochim Biophys Acta** 1987 Jan 28;908(1):1–11

Effect of cortisol on [3H] 1,25–dihydroxyvitamin D3 uptake and 1,25–dihydroxyvitamin D3–induced DNA–dependent RNA polymerase activity in chick intestinal cells. Shultz TD, et al. **Calcif Tissue Int** 1987 Apr;40(4):224–30

Distinguishing between mechanisms of eukaryotic transcriptional activation with bacteriophage T7 RNA polymerase. Chen W, et al. **Cell** 1987 Sep 25;50(7):1047–55

Nucleosomes inhibit the initiation of transcription but allow chain elongation with the displacement of histones. Lorch Y, et al. **Cell** 1987 Apr 24;49(2):203–10

A bacteriophage RNA polymerase transcribes in vitro through a nucleosome core without displacing it. Losa R, et al. **Cell** 1987 Aug 28;50(5):801–8

A general transcription factor forms a stable complex with RNA polymerase B (II). Zheng XM, et al. **Cell** 1987 Jul 31;50(3):361–8

Comparison of the effects of polyamines on the activities of RNA polymerases from murine normal tissues and transplantable tumors. Blair DG. **Comp Biochem Physiol [B]** 1986;85(4):833–44

Activity of DNA and RNA polymerases in resurfacing rabbit corneal epithelium. Colley AM, et al. **Curr Eye Res** 1987 Mar;6(3):477–87

Nuclear location of all three influenza polymerase proteins and a nuclear signal in polymerase PB2. Jones IM, et al. **EMBO J** 1986 Sep;5(9):2371–6

Unusual properties of promoter–up mutations in the Escherichia coli galactose operon and evidence suggesting RNA polymerase–induced DNA bending. Kuhnke G, et al. **EMBO J** 1987 Feb;6(2):507–13

Studies of the functional topography of Escherichia coli RNA polymerase. Affinity labelling of RNA polymerase in a promoter complex by phosphorylating derivatives of primer oligonucleotides. Godovikova TS, et al. **Eur J Biochem** 1987 Aug 3;166(3):611–6

Studies on the functional topography of Escherichia coli RNA polymerase. Highly selective affinity labelling by analogues of initiating substrates. Grachev MA, et al. **Eur J Biochem** 1987 Feb 16;163(1):113–21

Abortive and productive elongation catalysed by purified spinach chloroplast RNA polymerase. Job C, et al. **Eur J Biochem** 1987 Jun 15;165(3):515–9

RNA polymerase activity in PtK1 micronuclei containing individual chromosomes. An in vitro and in situ study. Labidi B, et al. **Exp Cell Res** 1987 Mar;169(1):233–44

Simplified in vitro synthesis of mutated RNA molecules. An oligonucleotide promoter determines the initiation site of T7RNA polymerase on ss M13 phage DNA. Krupp G, et al. **FEBS Lett** 1987 Feb 23;212(2):271–5

The transcription of B2 repeated sequences is regulated during the transition from quiescent to proliferative state in cultured rodent cells. Lania L, et al. **FEBS Lett** 1987 Jul 27;219(2):400–4

Studies with the Escherichia coli galactose operon regulatory region carrying a point mutation that simultaneously inactivates the two overlapping promoters. Interactions with RNA polymerase and the cyclic AMP receptor protein. Ponnambalam S, et al. **FEBS Lett** 1987 Jul 13; 219(1):189–96

RNA polymerase molecules initiating transcription at tandem promoters can collide and cause premature transcription termination. Ponnambalam S, et al. **FEBS Lett** 1987 Feb 9;212(1):21–7

RNA polymerase makes important contacts upstream from base pair –49 at the Escherichia coli galactose operon P1 promoter. Busby S, et al. **Gene** 1987;53(2–3):145–52

Plasmids allowing transcription of cloned DNA by Salmonella typhimurium phage SP6 RNA polymerase to produce RNAs with authentic 5'–terminal sequences. Nam HG, et al. **Gene** 1986;46(1):57–64

Bacteriophage T4 endonucleases II and IV, oppositely affected by dCMP hydroxymethylase activity, have different roles in the degradation and in the RNA polymerase–dependent replication of T4 cytosine–containing DNA. Carlson K, et al. **Genetics** 1986 Nov;114(3):669–85

RNA polymerase binding sites on a plasmid R6K derivative with increased copy number. Nešvera J, et al. **J Basic Microbiol** 1987;27(1):63–7

DNA functional groups required for formation of open complexes between Escherichia coli RNA polymerase and the lambda PR promoter. Identification via base analog substitutions. Dubendorff JW, et al. **J Biol Chem** 1987 Jan 15;262(2):892–8

Interaction with RNA polymerase of nucleosomal cores lacking one H2A.H2B dimer. González PJ, et al. **J Biol Chem** 1987 Aug 15;262(23):11280–3

Interactions of Bacillus subtilis RNA polymerase with subunits determining the specificity of initiation. Sigma and delta peptides can bind simultaneously to core. Hyde EI, et al. **J Biol Chem** 1986 Dec 15;261(35):16565–70

Enzymatic properties of a proteolytically nicked RNA polymerase of bacteriophage T7. Ikeda RA, et al. **J Biol Chem** 1987 Mar 15;262(8):3790–9

Loss of sigma–factor of RNA polymerase of Xanthomonas campestris pv. oryzae during phage Xp10 infection. Liao YD, et al. **J Biol Chem** 1986 Oct 15;261(29):13714–9

Inactivation of the RNA polymerase of vesicular stomatitis virus by N–ethylmaleimide and protection by nucleoside triphosphates. Evidence for a second ATP binding site on L protein. Massey DM, et al. **J Biol Chem** 1987 Jun 25; 262(18):8734–7

Initiation by the yeast viral transcriptase in vitro. Nemeroff ME, et al. **J Biol Chem** 1987 May 15;262(14):6785–7

The capped U6 small nuclear RNA is transcribed by RNA polymerase III. Reddy R, et al. **J Biol Chem** 1987 Jan 5; 262(1):75–81

RNA polymerase pauses in vitro within the Escherichia coli origin of replication at the same sites where termination occurs in vivo. Rokeach LA, et al. **J Biol Chem** 1987 May 25;262(15):7264–72

RNA polymerase. Limit cognate primer for initiation and stable ternary complex formation. Ruetsch N, et al. **J Biol Chem** 1987 Feb 5;262(4):1674–9

Specificity factor of yeast mitochondrial RNA polymerase. Purification and interaction with core RNA polymerase. Schinkel AH, et al. **J Biol Chem** 1987 Sep 15; 262(26):12785–91

Synthesis and characterization of fluorescent dinucleotide substrate for the DNA–dependent RNA polymerase from Escherichia coli. Tyagi SC, et al. **J Biol Chem** 1987 Aug 5;262(22):10684–8

Interactions of the bacteriophage T4 gene 55 product with Escherichia coli RNA polymerase. Competition with Escherichia coli sigma 70 and release from late T4 transcription complexes following initiation. Williams KP, et al. **J Biol Chem** 1987 Sep 5;262(25):12365–71

Stringent control in Escherichia coli applies also to transcription by T7 RNA polymerase. Yamagishi M, et al. **J Biol Chem** 1987 Mar 25;262(9):3940–3

Zinc metalloproteins involved in replication and transcription. Giedroc DP, et al. **J Inorg Biochem** 1986 Oct–Nov;28(2–3):155–69

Specific binding of monomeric bacteriophage T3 and T7 RNA polymerases to their respective cognate promoters requires the initiating ribonucleoside triphosphate (GTP). Basu S, et al. **J Mol Biol** 1986 Aug 5;190(3):425–37

Activity of a phage–modified RNA polymerase at hybrid promoters. Effects of substituting thymine for hydroxymethyluracil in a phage SP01 middle promoter. Choy HA, et al. **J Mol Biol** 1986 Sep 5;191(1):59–73

Localization of Escherichia coli RNA polymerase–binding sites on bacteriophage S13 replicative form I DNA by protection of restriction enzyme cleavage sites. Ringuette M, et al. **J Virol** 1987 Jul;61(7):2297–303

Identification of the gene encoding an RNA polymerase–binding protein of bacteriophage T4. Williams KP, et al. **J Virol** 1987 Feb;61(2):597–9

Characterization of product RNAs synthesized in vitro by poliovirus RNA polymerase purified by chromatography on hydroxylapatite or poly(U) Sepharose. Young DC, et al. **J Virol** 1987 Feb;61(2):611–4

Separation and analysis of the RNA polymerase binding sites of a complex Bacillus subtilis promoter. Le Grice SF, et al. **MGG** 1986 Aug;204(2):229–36

Multiple procaryotic ribonucleic acid polymerase sigma factors. Doi RH, et al. **Microbiol Rev** 1986 Sep;50(3):227–43 (155 ref.)

Sedimentation of an RNA polymerase complex from vaccinia virus that specifically initiates and terminates transcription. Broyles SS, et al. **Mol Cell Biol** 1987 Jan;7(1):7–14

Point mutation associated with hereditary persistence of fetal hemoglobin decreases RNA polymerase III transcription upstream of the affected gamma–globin gene. Carlson DP, et al. **Mol Cell Biol** 1986 Sep;6(9):3278–82

A distant enhancer element is required for polymerase III transcription of a U6 RNA gene. Bark C, et al. **Nature** 1987 Jul 23–29;328(6128):356–9

DNA inserted two bases down from the initiation site of a SP6 polymerase transcription vector is transcribed efficiently in vitro. Bujarski JJ, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1337

Dynamic and structural characterisation of multiple steps during complex formation between E. coli RNA polymerase and the tetR promoter from pSC101. Duval–Valentin G, et al. **Nucleic Acids Res** 1987 Jan 26; 15(2):575–94

Stereospecificity of nucleases towards phosphorothioate–substituted RNA: stereochemistry of transcription by T7 RNA polymerase. Griffiths AD, et al. **Nucleic Acids Res** 1987 May 26;15(10):4145–62

Xenopus tropicalis U6 snRNA genes transcribed by Pol III contain the upstream promoter elements used by Pol II dependent U snRNA genes. Krol A, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2463–78

Effect of carcinogenic adducts on transcription by T7 RNA polymerase. Nath ST, et al. **Nucleic Acids Res** 1987 May 26;15(10):4257–71

Transcription of eucaryotic tRNA1met and 5SRNA genes by RNA polymerase III is blocked by base mismatches in the intragenic control regions. Sullivan MA, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2059–68

Novobiocin interferes with the binding of transcription factors TFIIIA and TFIIIC to the promoters of class III genes. Van Dyke MW, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4365–74

Activation of transcription by the bacteriophage 434 repressor. Bushman FD, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9353–7

A heat shock–induced, polymerase III–transcribed RNA selectively associates with polysomal ribosomes in Tetrahymena thermophila. Kraus KW, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):383–7

Relative roles of T7 RNA polymerase and gene 4 primase for the initiation of T7 phage DNA replication in vivo. Sugimoto K, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):3977–81

Restriction enzyme accessibility and RNA polymerase localization on transcriptionally active SV40 minichromosomes isolated late in infection. Weiss E, et al. **Virology** 1987 Jul;159(1):84–93

[Effect of 8–Br–ATP and 8–Oxy–ATP on RNA synthesis by RNA polymerase from Escherichia coli] Kuriavyi VV, et al. **Biokhimiia** 1987 Jan;52(1):138–41 (Eng. Abstr.) **(Rus)**

[Localization of lysine residues in the site of initiating substrate binding of E. coli RNA–polymerase] Grachev MA, et al. **Bioorg Khim** 1987 Apr;13(4):552–5 (Eng. Abstr.) **(Rus)**

[Localization of binding sites of E. coli DNA–dependent RNA–polymerase with photosensitive template analogs] Skiba NP, et al. **Bioorg Khim** 1986 Aug;12(8):1023–9 (Eng. Abstr.) **(Rus)**

[Specific modification of DNA at E. coli RNA-polymerase binding sites] Petrenko VA, et al. **Mol Gen Mikrobiol Virusol** 1985 Dec;(12):19-25 (Eng. Abstr.) **(Rus)**

[Activity of virion RNA-polymerase in influenza A and B virus variants with different pathogenicities for mice] Pravdina NF, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec; (12):29-33 (Eng. Abstr.) **(Rus)**

[Interaction of hormone-receptor complexes from normal and tumorous tissues with DNA and their effect on the RNA polymerase activity of isolated nuclei] Adylova AT, et al. **Probl Endokrinol (Mosk)** 1986 Sep-Oct;32(5):69-72 (Eng. Abstr.) **(Rus)**

[Regulation of RNA synthesis in the rat heart in L-thyroxine toxicosis and hypothyroidism; the role of RNA-polymerases and the template activity of chromatin] Karsanov NV, et al. **Ukr Biokhim Zh** 1986 Nov-Dec; 58(6):8-15 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of ppGpp on transcription by DNA-dependent RNA polymerase from Escherichia coli: circular dichroism, absorption and specific transcription studies. Woody AY, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):115-25

U6 small nuclear RNA is transcribed by RNA polymerase III. Kunkel GR, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8575-9

RNA PROCESSING, POST-TRANSCRIPTIONAL

Alternative RNA processing events as a critical developmental regulatory strategy in neuroendocrine gene expression. Rosenfeld MG, et al. **Biochem Soc Symp** 1984; 49:27-44 (130 ref.)

Processing and decay of RNA in Escherichia coli: the chicken and egg problem. Apirion D, et al. **Biochem Soc Trans** 1986 Oct;14(5):807-10

RNA processing in a structural gene from bacteriophage T4. Maley F, et al. **Biochem Soc Trans** 1986 Oct;14(5):813-5

Ribosomal RNA processing in Escherichia coli and cultured mammalian cells. Schlessinger D, et al. **Biochem Soc Trans** 1986 Oct;14(5):811-3

Roles for a promoter and RNA processing in the synthesis of mitochondrial displacement-loop strands. Chang DD, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):85-91

A mitochondrial RNA maturase gene transferred to the yeast nucleus can control mitochondrial mRNA splicing. Banroques J, et al. **Cell** 1986 Sep 12;46(6):837-44

Selection of circularization sites in a group I IVS RNA requires multiple alignments of an internal template-like sequence. Been MD, et al. **Cell** 1987 Sep 11;50(6):951-61

Enhancement of mRNA nuclear transport by promoter elements. de la Peña P, et al. **Cell** 1987 Aug 14;50(4):613-9

Ribosomal precursor 3' end formation requires a conserved element upstream of the promoter. Labhart P, et al. **Cell** 1987 Jul 3;50(1):51-7

Splice commitment dictates neuron-specific alternative RNA processing in calcitonin/CGRP gene expression. Leff SE, et al. **Cell** 1987 Feb 13;48(3):517-24

Identification of a novel Y branch structure as an intermediate in trypanosome mRNA processing: evidence for trans splicing. Murphy WJ, et al. **Cell** 1986 Nov 21; 47(4):517-25

A novel form of tissue-specific RNA processing produces apolipoprotein-B48 in intestine. Powell LM, et al. **Cell** 1987 Sep 11;50(6):831-40

Discontinuous transcription or RNA processing of vaccinia virus late messengers results in a 5' poly(A) leader. Schwer B, et al. **Cell** 1987 Jul 17;50(2):163-9

Sequences controlling histone H4 mRNA abundance. Capasso O, et al. **EMBO J** 1987 Jun;6(6):1825-31

Hepatoma variants (C2) are defective for transcriptional and post-transcriptional actions from both endogenous and viral genomes. Friedman JM, et al. **EMBO J** 1987 Jun; 6(6):1727-31

RNA 3' processing regulates histone mRNA levels in a mammalian cell cycle mutant. A processing factor becomes limiting in G1-arrested cells. Lüscher B, et al. **EMBO J** 1987 Jun;6(6):1721-6

Alternative processing of H-2Dd pre-mRNAs results in membrane expression of differentially phosphorylated protein products. McCluskey J, et al. **EMBO J** 1986 Oct; 5(10):2477-83

Alpha-thalassaemia caused by a poly(A) site mutation reveals that transcriptional termination is linked to 3' end processing in the human alpha 2 globin gene. Whitelaw E, et al. **EMBO J** 1986 Nov;5(11):2915-22

Calcitonin gene-related peptide: occurrence in corneal sensory nerves. Stone RA, et al. **Exp Eye Res** 1986 Aug; 43(2):279-83

RRP1, a Saccharomyces cerevisiae gene affecting rRNA processing and production of mature ribosomal subunits. Fabian GR, et al. **J Bacteriol** 1987 Apr;169(4):1571-8

Modified nuclear processing of alpha 1-acid glycoprotein RNA during inflammation. Shiels BR, et al. **J Biol Chem** 1987 Sep 15;262(26):12826-31

Identification and nuclear localization of yeast pre-messenger RNA processing components: RNA2 and RNA3 proteins. Last RL, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2103-12

Deletion mutants that alter differential RNA processing in the E3 complex transcription unit of adenovirus. Bhat BM, et al. **J Mol Biol** 1986 Aug 20;190(4):543-57

Mutations of bacteriophage lambda that define independent but overlapping RNA processing and transcription termination sites. Montañez C, et al. **J Mol Biol** 1986 Sep 5;191(1):29-37

Effects of post-transcriptional base modifications on the site-specific function of transfer RNA in eukaryote translation. Smith DW, et al. **J Mol Biol** 1986 Jun 20; 189(4):663-71

Analysis of transcription and processing signals of the 16S-23S rRNA operon of Mycoplasma hyopneumoniae. Taschke C, et al. **MGG** 1986 Dec;205(3):434-41

Nucleolytic processing of ribonucleic acid transcripts in procaryotes. King TC, et al. **Microbiol Rev** 1986 Dec; 50(4):428-51 (199 ref.)

Product of Saccharomyces cerevisiae nuclear gene PET494 activates translation of a specific mitochondrial mRNA. Costanzo MC, et al. **Mol Cell Biol** 1986 Nov;6(11):3694-703

Transcriptional and posttranscriptional control of c-myc during myogenesis: its mRNA remains inducible in differentiated cells and does not suppress the differentiated phenotype. Endo T, et al. **Mol Cell Biol** 1986 May; 6(5):1412-21

Expression of a human cytomegalovirus late gene is posttranscriptionally regulated by a 3'-end-processing event occurring exclusively late after infection. Goins WF, et al. **Mol Cell Biol** 1986 Dec;6(12):4202-13

Transcriptional and posttranscriptional control of c-myc gene expression in WEHI 231 cells. Levine RA, et al. **Mol Cell Biol** 1986 Nov;6(11):4112-6

Both conserved signals on mammalian histone pre-mRNAs associate with small nuclear ribonucleoproteins during 3' end formation in vitro. Mowry KL, et al. **Mol Cell Biol** 1987 May;7(5):1663-72

Unequal distribution of N6-methyladenosine in influenza virus mRNAs. Narayan P, et al. **Mol Cell Biol** 1987 Apr; 7(4):1572-5

The additional guanylate at the 5' terminus of Escherichia coli tRNAHis is the result of unusual processing by RNase P. Orellana O, et al. **Mol Cell Biol** 1986 Feb;6(2):525-9

Alteration of cellular gene expression in adenovirus transformed cells by post-transcriptional mechanisms. Kao HT, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7253-63

Transcriptional and post-transcriptional regulation of c-myc expression during the differentiation of murine erythroleukemia Friend cells. Mechti N, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9653-66

Transcription termination and RNA processing in the 3'-end spacer of mouse ribosomal RNA genes. Miwa T, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2043-58

Posttranscriptional regulation of c-fos mRNA expression. Rahmsdorf HJ, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1643-59

Regulation of differential processing of mouse immunoglobulin mu heavy-chain mRNA. Tsurushita N, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4603-15

Globin gene transcripts can utilize histone gene 3' end processing signals. Whitelaw E, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7059-70

RNase III stimulates the translation of the cIII gene of bacteriophage lambda. Altuvia S, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6511-5

Transcriptional (p40x) and post-transcriptional (p27x-III) regulators are required for the expression and replication of human T-cell leukemia virus type I genes. Inoue J, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3653-7

Regulated expression of multiple chicken erythroid membrane skeletal protein 4.1 variants is governed by differential RNA processing and translational control. Ngai J, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4432-6

Transcriptional and translational regulatory mechanisms during normal aging of the mammalian brain and in Alzheimer's disease. Marotta CA, et al. **Prog Brain Res** 1986;70:303-20 (91 ref.)

[Retroregulation: a posttranscriptional mechanism controlling genetic expression] Montañez C, et al. **Rev Latinoam Microbiol** 1987 Jan-Mar;29(1):51-6 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Transcriptional and posttranscriptional effects of dexamethasone on albumin and procollagen messenger RNAs in murine schistosomiasis. Weiner FR, et al. **Biochemistry** 1987 Mar 24;26(6):1557-62

Interferon-alpha, -beta, and -gamma augment the levels of rRNA precursors in peritoneal macrophages but not in macrophage cell lines and fibroblasts. Radzioch D, et al. **J Immunol** 1987 Aug 1;139(3):805-12

c-myc regulation during retinoic acid-induced differentiation of F9 cells is posttranscriptional and associated with growth arrest. Dean M, et al. **Mol Cell Biol** 1986 Feb;6(2):518-24

RNA REPLICASE see under **RNA NUCLEOTIDYLTRANSFERASES**

RNA, RIBOSOMAL

Demonstration of the GC-rich common arm in yeast ribosomal 5.8S RNA via 500-MHz proton nuclear magnetic resonance and Overhauser enhancements. Lee KM, et al. **Biochemistry** 1986 Dec 16;25(25):8245-52

500-MHz proton homonuclear Overhauser evidence for additional base pair in the common arm of eukaryotic ribosomal 5S RNA: wheat germ. Li SJ, et al. **Biochemistry** 1987 Mar 24;26(6):1578-85

Evolutionary change in 5S rRNA secondary structure and a phylogenic tree of 352 5S rRNA species. Hori H, et al. **Biosystems** 1986;19(3):163-72

Similarities between a predicted secondary structure for the M1 RNA ribozyme and the tRNA binding center of 16 S rRNA from E. coli. Boehm S. **FEBS Lett** 1987 Aug 17;220(2):283-7

Variable base pairing in a helix of eubacterial 5 S ribosomal RNA points to the existence of a conformational switch. Van den Eynde H, et al. **FEBS Lett** 1987 Jun 15; 217(2):191-6

Evolutionary relationship of denitrifying bacteria as deduced from 5S rRNA sequences. Ohkubo S, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1261-7

Identification of the locations of the methyl groups in 18 S ribosomal RNA from Xenopus laevis and man. Maden BE. **J Mol Biol** 1986 Jun 20;189(4):681-99

Interconversion of active and inactive 30 S ribosomal subunits is accompanied by a conformational change in the decoding region of 16 S rRNA. Moazed D, et al. **J Mol Biol** 1986 Oct 5;191(3):483-93

Investigation of the tertiary folding of Escherichia coli ribosomal RNA by intra-RNA cross-linking in vivo. Stiege W, et al. **J Mol Biol** 1986 Sep 5;191(1):135-8

Does 5S RNA from E. coli have a pseudoknotted structure? Göringer HU, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7473-85

Conformation of B. stearothermophilus 5S ribosomal RNA. Fukushima T, et al. **Nucleic Acids Symp Ser** 1986; (17):207-10

[Comparison of the conformation of RNA from phage MS2 and 16S rRNA. Interaction with dyes specific for the secondary structure of native RNA and RNA subjected to hydrolysis by nuclease S1] Borisova OF, et al. **Mol Biol (Mosk)** 1987 Mar-Apr;21(2):515-28 (Eng. Abstr.) **(Rus)**

[Comparison of the conformation of RNA from phage MS2 and 16S rRNA. Accessibility to nucleases S1 and SV specific to secondary structure and thermal stability] Grechko VV, et al. **Mol Biol (Mosk)** 1987 Mar-Apr; 21(2):506-14 (Eng. Abstr.) **(Rus)**

ANALYSIS

Microbial ecology and evolution: a ribosomal RNA approach. Olsen GJ, et al. **Annu Rev Microbiol** 1986; 40:337-65 (101 ref.)

Nucleotide sequence of 5S ribosomal ribonucleic acid from a sulfate-reducing bacterium, Desulfovibrio vulgaris. Miura K, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4190-4

Immunological capture of nucleic acid hybrids and application to nonradioactive DNA probe assay. Rashtchian A, et al. **Clin Chem** 1987 Sep;33(9):1526-30

Multiple crosslinks of proteins S7 and S9 to domains 3 and 4 of 16S ribosomal RNA in the Escherichia coli 30S particle. Chiaruttini C, et al. **Eur J Biochem** 1986 Oct 15; 160(2):363-70

Structural analysis of 5S rRNA, 5S rRNA-protein complexes and ribosomes employing RNase H and d(GTTCGG). Lorenz S, et al. **Eur J Biochem** 1987 Mar 2;163(2):239-46

Unusual 5 S ribosomal RNAs. An analysis of individual segments can reveal phylogenetic relatedness. Delihas N. **FEBS Lett** 1987 Sep 14;221(2):189-93

Rearranged coding segments, separated by a transfer RNA gene, specify the two parts of a discontinuous large subunit ribosomal RNA in Tetrahymena pyriformis mitochondria. Heinonen TY, et al. **J Biol Chem** 1987 Feb 25; 262(6):2879-87

Retrospective study of Gen-Probe rapid diagnostic system for detection of legionellae in frozen clinical respiratory tract samples. Edelstein PH, et al. **J Clin Microbiol** 1987 Jun;25(6):1022-6

Nucleotide sequence of the spinach chloroplast 4.5S ribosomal RNA gene and of its 5' flanking region including the 3' end of the 23S rRNA gene. Audren H, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9533

The nucleotide sequences of two human 5S rRNA pseudogenes. Doran JL, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6297

RNA-protein cross-linking in Escherichia coli 30S ribosomal subunits; determination of sites on 16S RNA that are cross-linked to proteins S3, S4, S7, S9, S10, S11, S17, S18 and S21 by treatment with bis-(2-chloroethyl)-methylamine. Greuer B, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3241-55

RNA-protein cross-linking in Escherichia coli 30S ribosomal subunits; determination of sites on 16S RNA that are cross-linked to proteins S3, S4, S5, S7, S8, S9, S11, S13, S19 and S21 by treatment with methyl p-azidophenyl acetimidate. Osswald M, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3221-40

Primary structure of the Neurospora crassa small subunit ribosomal RNA coding region. Sogin ML, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9540

Three small RNAs within the 10 kb trypanosome rRNA transcription unit are analogous to domain VII of other eukaryotic 28S rRNAs. White TC, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9471-89

A new rice repetitive DNA shows sequence homology to

both 5S RNA and tRNA. Wu TY, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):5913–23

Nucleotide sequence of the 5S rRNA gene from the unicellular green alga Chlorella ellipsoidea. Yamada T, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9529

Genetic relatedness among Ureaplasma urealyticum serotypes (serovars). Razin S, et al. **Pediatr Infect Dis** 1986 Nov–Dec;5(6 Suppl):S300–4 (39 ref.)

RNA protein crosslinks introduced into E. coli ribosomes by use of the intrinsic probe 4–thiouridine. Hajnsdorf E, et al. **Photochem Photobiol** 1987 Apr;45(4):445–51

[Similarity of Vibrio alginolyticus, V. cholerae and other Vibrio species with respect to the structure of their flagellar apparatus and ribosomal 5S–RNA] Bakeeva LE, et al. **Biokhimiia** 1987 Jan;52(1):8–14 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Effect of N–phosphonacetyl–L–aspartate and D–glucosamine on the incorporation of 5–fluorouridine into normal tissues and an adenocarcinoma in the rat. Erichsen C, et al. **Anticancer Res** 1987 Jan–Feb;7(1):77–80

BIOSYNTHESIS

In vitro synthesis of 16S ribosomal RNA containing single base changes and assembly into a functional 30S ribosome. Krzyzosiak W, et al. **Biochemistry** 1987 Apr 21; 26(8):2353–64

Transcription of mouse rDNA is regulated by an activated subform of RNA polymerase I. Tower J, et al. **Cell** 1987 Sep 11;50(6):873–83

Species–specific non–expression of ribosomal RNA genes in a mammalian hybrid, the mule. Kopp E, et al. **Chromosoma** 1986;94(5):346–52

Substitution of uridine in vivo by the intrinsic photoactivable probe 4–thiouridine in Escherichia coli RNA. Its use for E. coli ribosome structural analysis. Favre A, et al. **Eur J Biochem** 1986 Nov 3;160(3):441–9

Control of ribosome biosynthesis in plant cell cultures under heat–shock conditions. Ribosomal RNA. Nover L, et al. **Eur J Biochem** 1986 Oct 15;160(2):297–304

Markedly different ATP requirements for rRNA synthesis and mtDNA light strand transcription versus mRNA synthesis in isolated human mitochondria. Gaines G, et al. **J Biol Chem** 1987 Feb 5;262(4):1907–15

Need for DNA topoisomerase activity as a swivel for DNA replication for transcription of ribosomal RNA [published erratum appears in Nature 1987 Apr 23–29;326(6115):812] Brill SJ, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):414–6

DRUG EFFECTS

Effect of magnesium ion on the structure of the 5S RNA from Escherichia coli. An imino proton magnetic resonance study of the helix I, IV, and V regions of the molecule. Leontis NB, et al. **Biochemistry** 1986 Nov 18; 25(23):7386–92

Transfer RNA shields specific nucleotides in 16S ribosomal RNA from attack by chemical probes. Moazed D, et al. **Cell** 1986 Dec 26;47(6):985–94

Early hypomethylation of 2'–O–ribose moieties in hepatocyte cytoplasmic ribosomal RNA underlies the protein synthetic defect produced by CCl4. Clawson GA, et al. **J Cell Biol** 1987 Aug;105(2):705–11

Syntheses of rRNA, 5.8S, 5S and tRNA are inhibited equally by 8–methoxypsoralen phototreatment of Tetrahymena thermophila. Nielsen PE. **Nucleic Acids Res** 1987 Feb 11; 15(3):921–32

[The effect of two steroid contraceptives on the function of rRNA genes of users] Shen Y, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):18–21 (Eng. Abstr.) **(Chi)**

GENETICS

5S rRNA genes from Aspergillus nidulans are not transcribed in Saccharomyces cerevisiae. Bartnik E, et al. **Acta Microbiol Pol** 1986;35(3–4):221–5

Evolution of organisms and organelles as studied by comparative computer and biochemical analyses of ribosomal 5S RNA structure. Erdmann VA, et al. **Ann NY Acad Sci** 1987;503:103–24 (51 ref.)

Structural diversity of eukaryotic small subunit ribosomal RNAs. Evolutionary implications. Sogin ML, et al. **Ann NY Acad Sci** 1987;503:125–39 (61 ref.)

The ribosomal DNA transcription unit of the house cricket, Acheta domesticus. Ware JL, et al. **Biochem Genet** 1987 Jun;25(5–6):345–58

Transcription of liver ribosomal RNA: differential effect of 5–fluorouracil depending on the nutritional state of mice. Izpalucci–Espinoza S, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):287–94

Ribosomal RNA processing in Escherichia coli and cultured mammalian cells. Schlessinger D, et al. **Biochem Soc Trans** 1986 Oct;14(5):811–3

Ribozyme inhibitors: deoxyguanosine and dideoxyguanosine are competitive inhibitors of self–splicing of the Tetrahymena ribosomal ribonucleic acid precursor. Bass BL, et al. **Biochemistry** 1986 Aug 12;25(16):4473–7

Regions upstream from the core promoter of the rat ribosomal gene are required for the formation of a stable transcription initiation complex by RNA polymerase I in vitro. Cassidy B, et al. **Biochim Biophys Acta** 1987 Jul 14; 909(2):133–44

Nucleotide sequence of two 3'–termini of rRNA in the sea urchin Lytechinus variegatus. Ho KC, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):156–9

Comparisons of large subunit rRNAs reveal some eukaryote–specific elements of secondary structure. Michot B, et al. **Biochimie** 1987 Jan;69(1):11–23

Why do chloroplasts and mitochondria contain so many copies of their genome? Bendich AJ. **Bioessays** 1987 Jun; 6(6):279–82

Transcriptional regulation of mammalian ribosomal RNA genes. Muramatsu M. **Bioessays** 1985 Dec;3(6):263–5

Processing and termination of RNA polymerase I transcripts. Reeder RH, et al. **Bioessays** 1987 Mar;6(3):108–12

Spacers and processing of large ribosomal RNAs in Escherichia coli and mouse cells. Schlessinger D, et al. **Bioessays** 1985 Jul;3(1):14–8

Genetic mapping of the 5S rRNA gene cluster of the nematode Caenorhabditis elegans. Nelson DW, et al. **Can J Genet Cytol** 1986 Aug;28(4):545–53

Pol I transcription: which comes first, the end or the beginning? Baker SM, et al. **Cell** 1986 Dec 26;47(6):839–40 (19 ref.)

One binding site determines sequence specificity of Tetrahymena pre–rRNA self–splicing, trans–splicing, and RNA enzyme activity. Been MD, et al. **Cell** 1986 Oct 24; 47(2):207–16

A transcription terminator located upstream of the mouse rDNA initiation site affects rRNA synthesis. Grummt I, et al. **Cell** 1986 Dec 26;47(6):901–11

A transcriptional terminator is a novel element of the promoter of the mouse ribosomal RNA gene. Henderson S, et al. **Cell** 1986 Dec 26;47(6):891–900

Ribosomal precursor 3' end formation requires a conserved element upstream of the promoter. Labhart P, et al. **Cell** 1987 Jul 3;50(1):51–7

Control of rDNA replication in Tetrahymena involves a cis–acting upstream repeat of a promoter element. Larson DD, et al. **Cell** 1986 Oct 24;47(2):229–40

A termination site for Xenopus RNA polymerase I also acts as an element of an adjacent promoter. McStay B, et al. **Cell** 1986 Dec 26;47(6):913–20

The 5S gene internal control region is composed of three distinct sequence elements, organized as two functional domains with variable spacing. Pieler T, et al. **Cell** 1987 Jan 16;48(1):91–100

Are rRNA sequence comparisons the Rosetta stone of phylogenetics? [letter] Rothschild LJ, et al. **Cell** 1986 Dec 5;47(5):640

DNA replication in vitro erases a Xenopus 5S RNA gene transcription complex. Wolffe AP, et al. **Cell** 1986 Oct 24; 47(2):217–27

Effects of glucocorticoids and cycloheximide upon transcription of ribosomal RNA gene in rat liver: application of quantitative S1 nuclease mapping analysis. Matsui H, et al. **Cell Biol Int Rep** 1987 Apr;11(4):273–7

Chromosome banding in amphibia. XI. Constitutive heterochromatin, nucleolus organizers, 18S + 28S and 5S ribosomal RNA genes in Ascaphidae, Pipidae, Discoglossidae and Pelobatidae. Schmid M, et al. **Chromosoma** 1987;95(4):271–84

rDNA transcription and pre–rRNA processing during the differentiation of a mouse myoblast cell line. Bowman LH. **Dev Biol** 1987 Jan;119(1):152–63

Acceleration of the rate of processing of 40 S pre–rRNA during Xenopus laevis embryogenesis. Shiokawa K, et al. **Dev Biol** 1987 Aug;122(2):586–8

Molecular model of the interaction between the glucocorticoid receptor and the regulatory elements of inducible genes. Scheidereit C, et al. **DNA** 1986 Oct; 5(5):383–91

Xenopus transcription factor IIIA binds primarily at junctions between double helical stems and internal loops in oocyte 5S RNA. Christiansen J, et al. **EMBO J** 1987 Feb;6(2):453–60

3'–End formation of transcripts from the yeast rRNA operon. Kempers–Veenstra AE, et al. **EMBO J** 1986 Oct; 5(10):2703–10

E. coli ribosomes with a C912 to U base change in the 16S rRNA are streptomycin resistant. Montandon PE, et al. **EMBO J** 1986 Dec 20;5(13):3705–8

Differential nuclease sensitivity identifies tight contacts between yeast pre–mRNA and spliceosomes. Rymond BC, et al. **EMBO J** 1986 Dec 20;5(13):3517–23

Phylogenetic evidence for the acquisition of ribosomal RNA introns subsequent to the divergence of some of the major Tetrahymena groups. Sogin ML, et al. **EMBO J** 1986 Dec 20;5(13):3625–30

Toxoplasma gondii and Hammondia hammondi: DNA comparison using cloned rRNA gene probes. Johnson AM, et al. **Exp Parasitol** 1987 Jun;63(3):272–8

Interspersion of histone and 5S RNA genes in Artemia. Andrews MT, et al. **Gene** 1987;51(1):61–7

Nucleotide sequence of two repeating units of the 5S rRNA gene from the house cricket Acheta domesticus. Cave MD, et al. **Gene** 1987;51(2–3):287–9

Complementarity of conserved sequence elements present in 28S ribosomal RNA and in ribosomal protein genes of Xenopus laevis and Xenopus tropicalis. Cutruzzolá F, et al. **Gene** 1986;49(3):371–6

Characterization of the region around the start point of transcription of ribosomal RNA in the Chinese hamster. Dumenco VM, et al. **Gene** 1986;46(2–3):227–35

Characterization of two types of rRNA gene repeat units from the crustacean Artemia. Gallego ME, et al. **Gene** 1986; 48(1):175–82

Length variation in eukaryotic rRNAs: small subunit rRNAs from the protists Acanthamoeba castellanii and Euglena gracilis. Gunderson JH, et al. **Gene** 1986;44(1):63–70

Characterization of the Cephalosporium acremonium ribosomal RNA genes. Járai G, et al. **Gene** 1987;55(1):135–9

Identification of ten additional nucleotides in the primary structure of yeast 18S rRNA. Mankin AS, et al. **Gene** 1986; 44(1):143–5

A DNA fragment hybridizing to a nif probe in Rhodobacter capsulatus is homologous to a 16S rRNA gene. Schumann JP, et al. **Gene** 1986;48(1):81–92

Homogenization of tandemly repeated nucleotide sequences by distance–dependent nucleotide sequence conversion. Dvořák J, et al. **Genetics** 1987 Jul;116(3):487–98

Characterization of Vibrio fischeri rRNA operons and subcloning of a ribosomal DNA promoter. Amikam D, et al. **J Bacteriol** 1987 May;169(5):2318–21

In vivo translation of a region within the rrnB 16S rRNA gene of Escherichia coli. Berg KL, et al. **J Bacteriol** 1987 Apr;169(4):1691–701

Bacillus subtilis rRNA promoters are growth rate regulated in Escherichia coli. Deneer HG, et al. **J Bacteriol** 1987 Mar;169(3):995–1002

New regulatory features of the promoters of an Escherichia coli rRNA gene. Lukacsovich T, et al. **J Bacteriol** 1987 Jan;169(1):272–7

Antitermination mechanisms in rRNA operons of Escherichia coli. Morgan EA. **J Bacteriol** 1986 Oct;168(1):1–5 (31 ref.)

Phylogenetic analysis of the coryneform bacteria by 5S rRNA sequences. Park YH, et al. **J Bacteriol** 1987 May; 169(5):1801–6

Organization of rRNA genes in Mycobacterium bovis BCG. Suzuki Y, et al. **J Bacteriol** 1987 Feb;169(2):839–43

Differentiation of oocyte– and somatic–type 5S rRNAs in animals. Komiya H, et al. **J Biochem (Tokyo)** 1986 Aug; 100(2):369–74

An enhancer element in the far upstream spacer region of rat ribosomal RNA gene. Dixit A, et al. **J Biol Chem** 1987 Aug 25;262(24):11616–22

Nucleotide sequence of the 18–25 S ribosomal RNA intergenic region from a thermophile, Thermomyces lanuginosus. Nazar RN, et al. **J Biol Chem** 1987 Jun 5; 262(16):7523–7

Selective inhibition of 28S ribosomal RNA in macrophages activated by interferon–gamma or –beta. Varesio L, et al. **J Immunol** 1987 Apr 1;138(7):2332–7

Mapping of the sites of protection on a 5 S RNA gene by the Xenopus transcription factor IIIA. A model for the interaction. Fairall L, et al. **J Mol Biol** 1986 Dec 5; 192(3):577–91

New reactions of the ribosomal RNA precursor of Tetrahymena and the mechanism of self–splicing. Inoue T, et al. **J Mol Biol** 1986 May 5;189(1):143–65

Developmental regulation of cytosine methylation in the nuclear ribosomal RNA genes of Pisum sativum. Watson JC, et al. **J Mol Biol** 1987 Jan 5;193(1):15–26

The secondary structure of human 28S rRNA: the structure and evolution of a mosaic rRNA gene. Gorski JL, et al. **J Mol Evol** 1987;24(3):236–51

Interrelatedness of 5S RNA sequences investigated by correspondence analysis. Mannella CA, et al. **J Mol Evol** 1987;24(3):228–35

Nucleotide sequences of Cyanophora paradoxa cellular and cyanelle–associated 5S ribosomal RNAs: the cyanelle as a potential intermediate in plastid evolution. Maxwell ES, et al. **J Mol Evol** 1986;23(4):300–4

Sequence of the small subunit ribosomal RNA gene expressed in the bloodstream stages of Plasmodium berghei: evolutionary implications. Gunderson JH, et al. **J Protozool** 1986 Nov;33(4):525–9

An upstream signal is required for in vitro transcription of Neurospora 5S RNA genes. Selker EU, et al. **MGG** 1986 Oct;205(1):189–92

Analysis of transcription and processing signals of the 16S–23S rRNA operon of Mycoplasma hyopneumoniae. Taschke C, et al. **MGG** 1986 Dec;205(3):434–41

Organization of the ribosomal RNA genes in Mycoplasma hyopneumoniae: the 5S rRNA gene is separated from the 16S and 23S rRNA genes. Taschke C, et al. **MGG** 1986 Dec;205(3):428–33

Variation of G–rich mitochondrial transcripts among stocks of Trypanosoma brucei. Jasmer DP, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):259–72

Characterization and complete nucleotide sequence of a 5.8S ribosomal RNA gene from Plasmodium falciparum. Shippen–Lentz D, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):223–31

Additional RNA polymerase I initiation site within the nontranscribed spacer region of the rat rRNA gene. Cassidy BG, et al. **Mol Cell Biol** 1987 Jul;7(7):2388–96

Formation of an active transcription complex in the Drosophila melanogaster 5S RNA gene is dependent on an upstream region. Garcia AD, et al. **Mol Cell Biol** 1987 Jun;7(6):2046–51

DNA sequence–directed nucleosome reconstitution on 5S RNA genes of Xenopus laevis. Gottesfeld JM. **Mol Cell Biol** 1987 May;7(5):1612–22

Two distinct promoter elements in the human rRNA gene

identified by linker scanning mutagenesis. Haltiner MM, et al. **Mol Cell Biol** 1986 Jan;6(1):227–35

Transition mutations within the Xenopus borealis somatic 5S RNA gene can have independent effects on transcription and TFIIIA binding. McConkey GA, et al. **Mol Cell Biol** 1987 Jan;7(1):486–94

Sequestration analysis for RNA polymerase I transcription factors with various deletion and point mutations reveals different functional regions of the mouse rRNA gene promoter. Nagamine M, et al. **Mol Cell Biol** 1987 Apr; 7(4):1486–95

4.5S RNA is encoded by hundreds of tandemly linked genes, has a short half-life, and is hydrogen bonded in vivo to poly(A)-terminated RNAs in the cytoplasm of cultured mouse cells. Schoeniger LO, et al. **Mol Cell Biol** 1986 May; 6(5):1508–19

Activation of the ribosomal DNA promoter in cells exposed to insulinlike growth factor I. Surmacz E, et al. **Mol Cell Biol** 1987 Feb;7(2):657–63

Two distant and precisely positioned domains promote transcription of Xenopus laevis rRNA genes: analysis with linker-scanning mutants. Windle JJ, et al. **Mol Cell Biol** 1986 Dec;6(12):4585–93

Interaction of antibiotics with functional sites in 16S ribosomal RNA. Moazed D, et al. **Nature** 1987 Jun 4–10; 327(6121):389–94

Ribosomal RNA sequence suggests microsporidia are extremely ancient eukaryotes. Vossbrinck CR, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):411–4

DNA topoisomerase activity is required as a swivel for DNA replication and for ribosomal RNA transcription. Brill SJ, et al. **NCI Monogr** 1987;(4):11–5

Nucleotide sequence of the 5S RNA gene and flanking regions interspersed with histone genes in Artemia. Bagshaw JC, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3628

The nucleotide sequences of 5S ribosomal RNAs from two plants: rape and white beet. Barciszewska MZ, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):363

Heterogeneity in the 3'-portion of Papilionaceae 5S rRNAs. The primary structure of alfalfa 5S rRNA. Barciszewska MZ, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):362

An unusually compact ribosomal DNA repeat in the protozoan Giardia lamblia. Boothroyd JC, et al. **Nucleic Acids Res** 1987 May 26;15(10):4065–84

Novobiocin inhibits interactions required for yeast TFIIIB sequestration during stable transcription complex formation in vitro. Felts SJ, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1493–506

The nucleotide sequence of the 5S ribosomal RNA of Actinia equina and Sepia officinalis. Hendriks L, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2773

23S ribosomal RNA mutations in halobacteria conferring resistance to the anti-80S ribosome targeted antibiotic anisomycin. Hummel H, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2431–43

Reactivity of modified ribose moieties of guanosine: new cleavage reactions mediated by the IVS of Tetrahymena precursor rRNA. Kay PS, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1559–77

Characterization of an authentic intermediate in the self-splicing process of ribosomal precursor RNA in macronuclei of Tetrahymena thermophila. Kister KP, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1905–20

Gene organization, transcription signals and processing of the single ribosomal RNA operon of the archaebacterium Thermoproteus tenax. Kjems J, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4821–35

In vivo transcription from multiple spacer rRNA gene promoters during early development and evolution of the intergenic spacer in the brine shrimp Artemia. Koller HT, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5391–411

The nucleotide sequence of the 5S rRNA from Vibrio nereis ATCC 25917. MacDonell MT, et al. **Nucleic Acids Res** 1987 May 26;15(10):4354

The nucleotide sequence of the 5S rRNA from Legionella pneumophila. MacDonell MT, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1335

Evolutionary changes in the higher order structure of the ribosomal 5S RNA. McDougall J, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):161–79

Transcription termination and RNA processing in the 3'-end spacer of mouse ribosomal RNA genes. Miwa T, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2043–58

Nucleotide sequence of 5S ribosomal RNA from Rhodococcus erythropolis. Park YH, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):365

Nucleotide sequence of the 5S rRNA from Listonella (Vibrio) aestuarianus ATCC 35048. Pilidge CJ, et al. **Nucleic Acids Res** 1987 Feb 25;15(4):1879

Putative promoter elements for the ribosomal RNA genes of the thermoacidophilic archaebacterium Sulfolobus sp. strain B12. Reiter WD, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5581–95

Effect of point mutations on in vitro transcription from the promoter for the large ribosomal RNA gene of yeast mitochondria. Schinkel AH, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5597–612

Human glutamate tRNA forms stable hybrids in vitro with 28S ribosomal RNA. Smardo FL Jr, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):661–81

Transcription of eucaryotic tRNA1met and 5SRNA genes by RNA polymerase III is blocked by base mismatches in the intragenic control regions. Sullivan MA, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2059–68

Nucleotide sequence of the 16S rRNA of Mycoplasma hyopneumoniae. Taschke C, et al. **Nucleic Acids Res** 1987 May 11;15(9):3918

The nucleotide sequence of the 5 S rRNA of Rhodobacter capsulatus ATCC 23782. Van den Eynde H, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8688

The nucleotide sequences of the 5S rRNAs from the purple bacteria Ectothiorhodospira halophila and Ectothiorhodospira vacuolata. Van den Eynde H, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):367

Nucleotide sequence of the large ribosomal RNA of honeybee mitochondria. Vlasak I, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):2388

Mode of inheritance and evidence for cistron heterogeneity of chloroplast 16S ribosomal RNA genes in Nicotiana. Vacek AT, et al. **Plasmid** 1980 Sep;4(2):205–14

Nucleotide sequence determining the first cleavage site in the processing of mouse precursor rRNA. Craig N, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):629–33

Role of DNA topoisomerase I in the transcription of supercoiled rRNA gene. Garg LC, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3185–8

Specialized ribosome system: preferential translation of a single mRNA species by a subpopulation of mutated ribosomes in Escherichia coli. Hui A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4762–6

A single base change in the Shine-Dalgarno region of 16S rRNA of Escherichia coli affects translation of many proteins. Jacob WF, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4757–61

A heat shock-induced, polymerase III-transcribed RNA selectively associates with polysomal ribosomes in Tetrahymena thermophila. Kraus KW, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):383–7

Heat shock stabilizes highly unstable transcripts of the Xenopus ribosomal gene spacer. Labhart P, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):56–60

A low-molecular-weight RNA from mouse ascites cells that hybridizes to both 18S rRNA and mRNA sequences. Maxwell ES, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7261–6

Expression of plasmid-coded mutant ribosomal RNA in E. coli: choice of plasmid vectors and gene expression systems. Steen R, et al. **Prog Nucleic Acid Res Mol Biol** 1986;33:1–18 (26 ref.)

[Cationic control of the transcription of various genes in tumor cells] Kaz'min SD, et al. **Biokhimiia** 1986 Nov; 51(11):1893–8 (Eng. Abstr.) **(Rus)**

[Molecular and cytogenetic approach to the mapping of methylated polymorphic restriction fragments of human rRNA genes] Gar'kavtsev IV, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):330–1 (Eng. Abstr.) **(Rus)**

[High homology of nucleotide sequences of 26S rRNA cistron in Citrus limon and Saccharomyces cerevisiae] Kolosha VO, et al. **Dokl Akad Nauk SSSR** 1986; 290(4):1006–11 **(Rus)**

[Phylogeny of bacteria of the genus Legionella studied by determining the nucleotide sequence of 5S ribosomal RNA] Chumakov KM, et al. **Mol Gen Mikrobiol Virusol** 1986 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

[2 types of polymorphism of non-transcribed sites of human rRNA genes] Gar'kavtsev IV, et al. **Mol Gen Mikrobiol Virusol** 1986 Feb;(2):28–32 (Eng. Abstr.) **(Rus)**

[Characteristics of inheritance of restriction fragment polymorphisms for non-transcribed spacers of human rRNA genes] Gar'kavtsev IV, et al. **Mol Gen Mikrobiol Virusol** 1986 Apr;(4):24–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Transfer of enhanced resistance against Listeria monocytogenes induced with ribosomal RNA and the adjuvant dimethyldioctadecylammonium bromide. Antonissen AC, et al. **Immunol Lett** 1986 Nov 17;14(1):21–8

[Studies of the immunological protection of a ribosomal extract isolated from Leptospira] Xu LL, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):14–7 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

High salt SDS-DEP isolation of RNA from Entamoeba histolytica: the recovery of intact 25S rRNA from amebae of different culture ages and the co-isolation of DNA. Stoner-Picking J, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:121–5

[Secondary structure of the 5'-terminal region of the 18S ribosomal RNA5.3S fragment from the rat liver] Neilin MU, et al. **Bioorg Khim** 1987 Jan;13(1):128–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Imino proton exchange in the 5S RNA of Escherichia coli and its complex with protein L25 at 490 MHz. Leontis NB, et al. **Biochemistry** 1986 Sep 23;25(19):5736–44

The ribosomal binding site for eukaryotic elongation factor EF-2 contains 5 S ribosomal RNA. Nygård O, et al. **Biochim Biophys Acta** 1987 Jan 28;908(1):46–53

Escherichia coli ribosomal protein S1 does not protect the 49-nucleotide 3' terminal cloacin fragment of 16 S rRNA from nuclease S1. Wickstrom E. **Biochim Biophys Acta** 1986 Dec 18;868(4):265–9

Construction and functional analysis of ribosomal 5S RNA from Escherichia coli with single base changes in the ribosomal protein binding sites. Göringer HU, et al. **Biol Chem Hoppe Seyler** 1986 Aug;367(8):769–80

In situ hybridization detection of estradiol-induced changes in ribosomal RNA levels in rat brain. Jones KJ, et al. **Brain Res** 1986 Nov;387(2):145–52

Methylation of ribosomal RNA as a possible factor in cell differentiation. Munholland JM, et al. **Cancer Res** 1987 Jan 1;47(1):169–72

Regulation of eukaryotic ribosomal RNA transcription by RNA polymerase modification. Bateman E, et al. **Cell** 1986 Nov 7;47(3):445–50

Selection of circularization sites in a group I IVS RNA requires multiple alignments of an internal template-like sequence. Been MD, et al. **Cell** 1987 Sep 11;50(6):951–61

Kinetic behavior of 30S rRNA intermediate labeled in developing embryonic cells of Xenopus laevis. Shiokawa K, et al. **Cell Struct Funct** 1987 Jun;12(3):287–94

A model for the interaction of nucleic acids with transcription factor IIIA. Andersen J. **FEBS Lett** 1987 Jun 15;217(2):197–202

Studies on interaction of 5 S RNA with ribosomal proteins. Kärgel HJ, et al. **FEBS Lett** 1987 Aug 10;220(1):126–8

The complete amino acid sequences of the 5 S rRNA binding proteins L5 and L18 from the moderate thermophile Bacillus stearothermophilus ribosome. Kimura J, et al. **FEBS Lett** 1987 Jan 1;210(1):85–90

Accessibility of phosphodiester bonds in the yeast ribosomal 5 S RNA protein complex. McDougall J, et al. **FEBS Lett** 1986 Dec 1;209(1):52–6

Role of Mg2+ in the ribozyme system. Toh H, et al. **FEBS Lett** 1987 Jul 27;219(2):279–82

Growth hormone-induced regulation of rRNA gene activity in human cultured cells. de Capoa A, et al. **Horm Metab Res** 1986 Aug;18(8):574–5

The binding of the antitumor antibiotic chartreusin to poly(dA-dT).poly(dA-dT), poly(dG-dC).poly(dG-dC), calf thymus DNA, transfer RNA, and ribosomal RNA. Krueger WC, et al. **J Antibiot (Tokyo)** 1986 Sep; 39(9):1298–303

Polysome turnover in immobilized cells of Nostoc commune (cyanobacteria) exposed to water stress. Angeloni SV, et al. **J Bacteriol** 1986 Nov;168(2):1036–9

Site and substrate specificity of the ermC 23S rRNA methyltransferase. Denoya CD, et al. **J Bacteriol** 1987 Aug; 169(8):3857–60

RRP1, a Saccharomyces cerevisiae gene affecting rRNA processing and production of mature ribosomal subunits. Fabian GR, et al. **J Bacteriol** 1987 Apr;169(4):1571–8

The mechanism of action of ricin and related toxic lectins on eukaryotic ribosomes. The site and the characteristics of the modification in 28 S ribosomal RNA caused by the toxins. Endo Y, et al. **J Biol Chem** 1987 Apr 25; 262(12):5908–12

RNA N-glycosidase activity of ricin A-chain. Mechanism of action of the toxic lectin ricin on eukaryotic ribosomes. Endo Y, et al. **J Biol Chem** 1987 Jun 15;262(17):8128–30

Interferon-alpha, -beta, and -gamma augment the levels of rRNA precursors in peritoneal macrophages but not in macrophage cell lines and fibroblasts. Radzioch D, et al. **J Immunol** 1987 Aug 1;139(3):805–12

Localization of the binding site for protein S4 on 16 S ribosomal RNA by chemical and enzymatic probing and primer extension. Stern S, et al. **J Mol Biol** 1986 Nov 5; 192(1):101–10

Multiple interactions between the splicing substrate and small nuclear ribonucleoproteins in spliceosomes. Chabot B, et al. **Mol Cell Biol** 1987 Jan;7(1):281–93

Molybdate inhibits glucocorticoid-receptor complex binding to RNA. Rossini GP. **Mol Cell Endocrinol** 1987 Feb; 49(2-3):129–35

Catalysis of splicing-related reactions between dinucleotides by a ribozyme. Kay PS, et al. **Nature** 1987 May 28–Jun 3;327(6120):343–6

A small catalytic oligoribonucleotide. Uhlenbeck OC. **Nature** 1987 Aug 13–19;328(6131):596–600

The Tetrahymena ribozyme acts like an RNA restriction endonuclease [published erratum appears in Nature 1987 Feb 12–18;325(6105):646] Zaug AJ, et al. **Nature** 1986 Dec 4–10;324(6096):429–33

The length but not the sequence of the polyoma virus late leader exon is important for both late RNA splicing and stability. Adami GR, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2593–610

Defining the binding site of Xenopus transcription factor IIIA on 5S RNA using truncated and chimeric 5S RNA molecules. Romaniuk PJ, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2737–55

Catalytic activity of the nucleic acid component of the 1,4-alpha-glucan branching enzyme from rabbit muscles. Shvedova TA, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1745–52

RNA end-labeling and RNA ligase activities can produce a circular rRNA in whole cell extracts from trypanosomes. White TC, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3275–90

Protein binding sites on Escherichia coli 16S RNA; RNA regions that are protected by proteins S7, S14 and S19 in the presence or absence of protein S9. Wiener L, et al. **Nucleic Acids Res** 1987 May 11;15(9):3653–70

[Threonyl-tRNA synthase from rabbit reticulocytes: a reversible transition from the RNA–non-binding to the RNA–binding form] Fedorov AN, et al. **Biokhimiia** 1986 Sep;51(9):1541–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Interaction of Cibacron blue F3GA and polynucleotides with ricin A-chain, 60 S ribosomal subunit–inactivating protein. Watanabe K, et al. **Biochim Biophys Acta** 1987 Aug 5; 914(2):177–84

A new 'sense' RNA approach to block viral RNA replication in vitro. Morch MD, et al. **Nucleic Acids Res** 1987 May 26;15(10):4123–30

PHYSIOLOGY

Level of ribosomal RNA required for stimulation from quiescence increases during cellular aging in vitro of mammalian fibroblasts. Adam G, et al. **Exp Cell Res** 1987 Apr;169(2):345–56

RNA, SMALL NUCLEAR

Homologies between small nuclear RNAs and LAV/HTLV–III sequences and their possible role in the cytopathic effect of the virus. Minárovits J, et al. **Med Hypotheses** 1987 Jan;22(1):27–33

ANALOGS & DERIVATIVES

The U2 RNA analogue of Trypanosoma brucei gambiense: implications for a splicing mechanism in trypanosomes. Tschudi C, et al. **Nucleic Acids Res** 1986 Nov 25; 14(22):8893–903

ANALYSIS

Conservation of the ID sequence and its expression as small RNA in rodent brains: analysis with cDNA for mouse brain–specific small RNA. Anzai K, et al. **Brain Res** 1987 Apr;388(1):43–9

Functional elements of the human U1 RNA promoter. Identification of five separate regions required for efficient transcription and template competition. Murphy JT, et al. **J Biol Chem** 1987 Feb 5;262(4):1795–803

Localization of small RNAs hybridizable to a B2 clone in the nuclear fraction of mouse cell lines. Gallant J, et al. **Mol Biol Rep** 1987;12(1):49–53

Small RNAs of Tetrahymena thermophila. Horváth P, et al. **Mol Biol Rep** 1987;12(1):13–9

Compensatory mutations suggest that base–pairing with a small nuclear RNA is required to form the 3' end of H3 messenger RNA. Schaufele F, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):777–81

Small nuclear RNAs from Saccharomyces cerevisiae: unexpected diversity in abundance, size, and molecular complexity. Riedel N, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8097–101

Saccharomyces cerevisiae has a U1–like small nuclear RNA with unexpected properties. Siliciano PG, et al. **Science** 1987 Sep 18;237(4821):1484–7

[The structure of small polyadenylated B2–RNA] Tillib SV, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1593–603 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Solid–phase processing of U2 snRNA precursors. Rohleder A, et al. **Biochemistry** 1986 Oct 7;25(20):5910–4

The capped U6 small nuclear RNA is transcribed by RNA polymerase III. Reddy R, et al. **J Biol Chem** 1987 Jan 5; 262(1):75–81

Occurrence of novel small RNAs with concomitant inhibition of host cellular U small nuclear RNA synthesis in Vero cells infected with herpes simplex virus type 1. Bachmann M, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2587–94

[Study of the function of low molecular weight nuclear RNA in the cell–free system of isolated nuclei] Evtushenko VI, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1488–98 (Eng. Abstr.) **(Rus)**

GENETICS

Human U3 small nucleolar RNA genes are localized to the nucleoplasm. Suh D, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):658–64

U2 RNA from yeast is unexpectedly large and contains homology to vertebrate U4, U5, and U6 small nuclear RNAs. Ares M Jr. **Cell** 1986 Oct 10;47(1):49–59

3' end formation of U1 snRNA precursors is coupled to transcription from snRNA promoters. de Vegvar HE, et al. **Cell** 1986 Oct 24;47(2):259–66

Formation of the 3' end of U1 snRNA requires compatible snRNA promoter elements. Hernandez N, et al. **Cell** 1986 Oct 24;47(2):249–58

S. cerevisiae U1 RNA is large and has limited primary sequence homology to metazoan U1 snRNA. Kretzner L, et al. **Cell** 1987 Aug 14;50(4):593–602

Recognition of the TACTAAC box during mRNA splicing in yeast involves base pairing to the U2–like snRNA. Parker R, et al. **Cell** 1987 Apr 24;49(2):229–39

An essential yeast snRNA with a U5–like domain is required for splicing in vivo. Patterson B, et al. **Cell** 1987 Jun 5; 49(5):613–24

An essential snRNA from S. cerevisiae has properties predicted for U4, including interaction with a U6–like snRNA. Siliciano PG, et al. **Cell** 1987 Aug 14;50(4):585–92

A compensatory base change in U1 snRNA suppresses a 5' splice site mutation. Zhuang Y, et al. **Cell** 1986 Sep 12; 46(6):827–35

Formation of the 3' end on U snRNAs requires at least three sequence elements. Ciliberto G, et al. **EMBO J** 1986 Nov; 5(11):2931–7

Cloning of the human cDNA for the U1 RNA–associated 70K protein. Theissen H, et al. **EMBO J** 1986 Dec 1; 5(12):3209–17

Genes for human U4 small nuclear RNA. Bark C, et al. **Gene** 1986;50(1–3):333–44

Reverse–transcribed pseudogenes of U1 small nuclear RNA presumably amplified in the rat genome together with the flanking region. Watanabe–Nagasu N, et al. **Gene** 1987; 52(2–3):235–43

Structure, organization, and transcription of Drosophila U6 small nuclear RNA genes. Das G, et al. **J Biol Chem** 1987 Jan 25;262(3):1187–93

Sea urchin maternal and embryonic U1 RNAs are spatially segregated in early embryos. Nash MA, et al. **J Cell Biol** 1987 May;104(5):1133–42

U1 precursors: variant 3' flanking sequences are transcribed in human cells. Patton JG, et al. **J Cell Biol** 1987 Feb; 104(2):175–82

The highly conserved U small nuclear RNA 3'–end formation signal is quite tolerant to mutation. Ach RA, et al. **Mol Cell Biol** 1987 Jun;7(6):2070–9

Human U1 RNA pseudogenes may be generated by both DNA– and RNA–mediated mechanisms. Denison RA, et al. **Mol Cell Biol** 1982 Jul;2(7):815–28

Structural and functional analysis of chicken U4 small nuclear RNA genes. Hoffman ML, et al. **Mol Cell Biol** 1986 Nov; 6(11):3910–9

Multiple proteins bind to VA RNA genes of adenovirus type 2. Van Dyke MW, et al. **Mol Cell Biol** 1987 Mar; 7(3):1021–31

A distant enhancer element is required for polymerase III transcription of a U6 RNA gene. Bark C, et al. **Nature** 1987 Jul 23–29;328(6128):356–9

A transcription factor which binds to the enhancers of SV40, immunoglobulin heavy chain and U2 snRNA genes. Bohmann D, et al. **Nature** 1987 Jan 15–21;325(6101):268–72

Properties of a U1 RNA enhancer–like sequence. Ciliberto G, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2403–16

One aspartic acid transfer RNA gene is present upstream of the U6 snRNA gene cluster in Drosophila melanogaster. Das G, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7816

Functional, developmentally expressed genes for mouse U1a and U1b snRNAs contain both conserved and non–conserved transcription signals. Howard EF, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9811–25

Identification of proteins interacting with the enhancer of human U2 small nuclear RNA genes. Janson L, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):4997–5016

Plant small nuclear RNAs. III. The complete primary and secondary structure of broad bean U2 RNA: phylogenetic and functional implications. Kiss T, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1332

Xenopus tropicalis U6 snRNA genes transcribed by Pol III contain the upstream promoter elements used by Pol II dependent U snRNA genes. Krol A, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2463–78

Nucleotide sequence of Physarum U6 small RNA. Skinner HB, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):371

Only two of the four sites of interaction with nuclear factors within the Xenopus U2 gene promoter are necessary for efficient transcription. Tebb G, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6437–53

The U2 RNA analogue of Trypanosoma brucei gambiense: implications for a splicing mechanism in trypanosomes. Tschudi C, et al. **Nucleic Acids Res** 1986 Nov 25; 14(22):8893–903

Structure and expression of a second sea urchin U1 RNA gene repeat. Yu JC, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9977–88

Analysis of a cDNA clone expressing a human autoimmune antigen: full–length sequence of the U2 small nuclear RNA–associated B'' antigen. Habets WJ, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2421–5

ISOLATION & PURIFICATION

Plant small nuclear RNAs. II. U6 RNA and a 4.5SI–like RNA are present in plant nuclei. Kiss T, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):543–60

METABOLISM

Cap trimethylation of U snRNA is cytoplasmic and dependent on U snRNP protein binding. Mattaj IW. **Cell** 1986 Sep 12;46(6):905–11

Cytoplasmic maturation of the snRNAs. Zieve GW. **J Cell Physiol** 1987 May;131(2):247–54

RNA–protein organization of U1, U5 and U4–U6 small nuclear ribonucleoproteins in HeLa cells. Lelay–Taha MN, et al. **J Mol Biol** 1986 Jun 5;189(3):519–32

U6 small nuclear RNA is transcribed by RNA polymerase III. Kunkel GR, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8575–9

A subset of yeast snRNA's contains functional binding sites for the highly conserved Sm antigen. Riedel N, et al. **Science** 1987 Jan 16;235(4786):328–31

PHYSIOLOGY

Interactions between small nuclear ribonucleoprotein particles in formation of spliceosomes. Konarska MM, et al. **Cell** 1987 Jun 19;49(6):763–74

Recognition of mutant and cryptic 5' splice sites by the U1 small nuclear ribonucleoprotein in vitro. Chabot B, et al. **Mol Cell Biol** 1987 Feb;7(2):698–707

RADIATION EFFECTS

Effect of UV light on small nuclear RNA synthesis: increased inhibition during postirradiation cell incubation. Morra DS, et al. **Mol Cell Biol** 1986 Mar;6(3):745–50

RNA SPLICING

Alternative splicing: a ubiquitous mechanism for the generation of multiple protein isoforms from single genes. Breitbart RE, et al. **Annu Rev Biochem** 1987;56:467–95 (132 ref.)

Pre–mRNA splicing. Green MR. **Annu Rev Genet** 1986; 20:671–708 (186 ref.)

Mitochondrial gene expression in yeast: further studies of a self–splicing group II intron. Perlman PS, et al. **Basic Life Sci** 1986;40:39–55

Alternative splicing model for the synthesis and secretion of the 20 kilodalton form of rat growth hormone. Howland DS, et al. **Biochem Biophys Res Commun** 1987 Sep 15; 147(2):650–7

Isolation of a novel cDNA clone for human tyrosine hydroxylase: alternative RNA splicing produces four kinds of mRNA from a single gene. Kaneda N, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):971–5

Mechanism and requirements of in vitro RNA splicing of the primary transcript from the T4 bacteriophage thymidylate synthase gene. Chu FK, et al. **Biochemistry** 1987 Jun 2;26(11):3050–7

Discontinuous RNA synthesis through trans–splicing. Braun R. **Bioessays** 1986 Nov;5(5):223–7

Branched RNA. Edmonds M. **Bioessays** 1987 May;6(5):212–6

Biology, oncology, and RNA splicing. Sharp PA. **Cancer** 1987 May 15;59(10):1697–708

5' cleavage site in eukaryotic pre–mRNA splicing is determined by the overall 5' splice region, not by the conserved 5' GU. Aebi M, et al. **Cell** 1987 Jul 17; 50(2):237–46

Sequence requirements for splicing of higher eukaryotic nuclear pre–mRNA. Aebi M, et al. **Cell** 1986 Nov 21; 47(4):555–65

A protein required for splicing group I introns in Neurospora mitochondria is mitochondrial tyrosyl–tRNA synthetase or a derivative thereof. Akins RA, et al. **Cell** 1987 Jul 31; 50(3):331–45

Binding and cleavage of pre–tRNA by the Xenopus splicing endonuclease: two separable steps of the intron excision reaction. Baldi MI, et al. **Cell** 1986 Dec 26;47(6):965–71

One binding site determines sequence specificity of Tetrahymena pre–rRNA self–splicing, trans–splicing, and RNA enzyme activity. Been MD, et al. **Cell** 1986 Oct 24; 47(2):207–16

Regulation of sexual differentiation in D. melanogaster via alternative splicing of RNA from the transformer gene. Boggs RT, et al. **Cell** 1987 Aug 28;50(5):739–47

Developmentally induced, muscle–specific trans factors control the differential splicing of alternative and constitutive troponin T exons. Breitbart RE, et al. **Cell** 1987 Jun 19;49(6):793–803

HTLV–III expression and production involve complex regulation at the levels of splicing and translation of viral RNA. Feinberg MB, et al. **Cell** 1986 Sep 12;46(6):807–17

A protein associated with small nuclear ribonucleoprotein particles recognizes the 3' splice site of premessenger RNA. Gerke V, et al. **Cell** 1986 Dec 26;47(6):973–84

Multiple self–splicing introns in bacteriophage T4: evidence from autocatalytic GTP labeling of RNA in vitro. Gott JM, et al. **Cell** 1986 Oct 10;47(1):81–7

Two domains for splicing in the intron of the phage T4 thymidylate synthase (td) gene established by nondirected mutagenesis. Hall DH, et al. **Cell** 1987 Jan 16;48(1):63–71

Multiple exon–binding sites in class II self–splicing introns. Jacquier A, et al. **Cell** 1987 Jul 3;50(1):17–29

Evidence for in vivo trans splicing of pre–mRNAs in tobacco chloroplasts. Koller B, et al. **Cell** 1987 Jan 16;48(1):111–9

Interactions between small nuclear ribonucleoprotein particles in formation of spliceosomes. Konarska MM, et al. **Cell** 1987 Jun 19;49(6):763–74

Electrophoretic separation of complexes involved in the splicing of precursors to mRNAs. Konarska MM, et al. **Cell** 1986 Sep 12;46(6):845–55

A trans–spliced leader sequence on actin mRNA in C. elegans. Krause M, et al. **Cell** 1987 Jun 19;49(6):753–61

Splice commitment dictates neuron–specific alternative RNA processing in calcitonin/CGRP gene expression. Leff SE, et al. **Cell** 1987 Feb 13;48(3):517–24

The yeast RNA gene products are essential for mRNA splicing in vitro. Lustig AJ, et al. **Cell** 1986 Dec 26;

47(6):953–63
Splicing of SV40 early pre-mRNA to large T and small t mRNAs utilizes different patterns of lariat branch sites. Noble JC, et al. **Cell** 1987 Jul 17;50(2):227–36
Recognition of the TACTAAC box during mRNA splicing in yeast involves base pairing to the U2-like snRNA. Parker R, et al. **Cell** 1987 Apr 24;49(2):229–39
An essential yeast snRNA with a U5-like domain is required for splicing in vivo. Patterson B, et al. **Cell** 1987 Jun 5; 49(5):613–24
Alternative splicing of E1A transcripts of adenovirus requires appropriate ionic conditions in vitro. Schmitt P, et al. **Cell** 1987 Jul 3;50(1):31–9
Trans splicing: variation on a familiar theme? Sharp PA. **Cell** 1987 Jul 17;50(2):147–8
Evidence for trans splicing in trypanosomes. Sutton RE, et al. **Cell** 1986 Nov 21;47(4):527–35
Interlocked RNA circle formation by a self-splicing yeast mitochondrial group I intron. Tabak HF, et al. **Cell** 1987 Jan 16;48(1):101–10
A protein that specifically recognizes the 3' splice site of mammalian pre-mRNA introns is associated with a small nuclear ribonucleoprotein. Tazi J, et al. **Cell** 1986 Dec 5; 47(5):755–66
Discontinuous transcription and splicing in trypanosomes. Van der Ploeg LH. **Cell** 1986 Nov 21;47(4):479–80
A compensatory base change in U1 snRNA suppresses a 5' splice site mutation. Zhuang Y, et al. **Cell** 1986 Sep 12; 46(6):827–35
Efficient splicing of two yeast mitochondrial introns controlled by a nuclear-encoded maturase. Banroques J, et al. **EMBO J** 1987 Apr;6(4):1085–91
Accurate in vitro splicing of two pre-mRNA plant introns in a HeLa cell nuclear extract. Brown JW, et al. **EMBO J** 1986 Nov;5(11):2749–58
Two spliceosomes can form simultaneously and independently on synthetic double-intron messenger RNA precursors. Christofori G, et al. **EMBO J** 1987 Jun; 6(6):1747–55
Sequence and structure of the dopa decarboxylase gene of Drosophila: evidence for novel RNA splicing variants. Eveleth DD, et al. **EMBO J** 1986 Oct;5(10):2663–72
Beta zero thalassemia caused by a base substitution that creates an alternative splice acceptor site in an intron. Metherall JE, et al. **EMBO J** 1986 Oct;5(10):2551–7
Regulated splicing produces different forms of dopa decarboxylase in the central nervous system and hypoderm of Drosophila melanogaster. Morgan BA, et al. **EMBO J** 1986 Dec 1;5(12):3335–42
Differential nuclease sensitivity identifies tight contacts between yeast pre-mRNA and spliceosomes. Rymond BC, et al. **EMBO J** 1986 Dec 20;5(13):3517–23
Alternative splicing and alternative initiation of translation explain the four forms of the Ia antigen-associated invariant chain. Strubin M, et al. **EMBO J** 1986 Dec 20;5(13):3483–8
Self-splicing of a group II intron in yeast mitochondria: dependence on 5' exon sequences. van der Veen R, et al. **EMBO J** 1987 Apr;6(4):1079–84
A human and a plant intron-containing tRNATyr gene are both transcribed in a HeLa cell extract but spliced along different pathways. van Tol H, et al. **EMBO J** 1987 Jan; 6(1):35–41
Relevance of the lariat model to the splicing of the H-2 gene family. Bougueleret L, et al. **Eur J Biochem** 1986 Oct 15; 160(2):279–84
Donor and acceptor splice signals within an exon of the human fibronectin gene: a new type of differential splicing. Vibe-Pedersen K, et al. **FEBS Lett** 1986 Oct 27; 207(2):287–91
DQw1 beta gene from HLA-DR2-Dw12 consists of six exons and expresses multiple DQw1 beta polypeptides through alternative splicing. Tsukamoto K, et al. **Immunogenetics** 1987;25(5):343–6
Multiple class I molecules generated from single genes by alternative splicing of pre-mRNAs. Lew AM, et al. **Immunol Res** 1987;6(1–2):117–32 (68 ref.)
Interrupted thymidylate synthase gene of bacteriophages T2 and T6 and other potential self-splicing introns in the T-even bacteriophages. Chu FK, et al. **J Bacteriol** 1987 Sep;169(9):4368–75
Purification of a RNA debranching activity from HeLa cells. Arenas J, et al. **J Biol Chem** 1987 Mar 25;262(9):4274–9
In vitro formation of a lariat structure containing a G2'-5'G linkage. Freyer GA, et al. **J Biol Chem** 1987 Mar 25; 262(9):4267–73
Nonmuscle and smooth muscle myosin light chain mRNAs are generated from a single gene by the tissue-specific alternative RNA splicing. Nabeshima Y, et al. **J Biol Chem** 1987 Aug 5;262(22):10608–12
The M1- and M2-type isozymes of rat pyruvate kinase are produced from the same gene by alternative RNA splicing. Noguchi T, et al. **J Biol Chem** 1986 Oct 15; 261(29):13807–12
Minimal exon sequence requirements for efficient in vitro splicing of mono-intronic nuclear pre-mRNA. Parent A, et al. **J Biol Chem** 1987 Aug 15;262(23):11284–91
Recognition of 5' and 3' splice site sequences in pre-mRNA studied with a filter binding technique. Tatei K, et al. **J Biol Chem** 1987 Aug 25;262(24):11667–74
Analysis of the 5' end of the Drosophila muscle myosin heavy chain gene. Alternatively spliced transcripts initiate at a single site and intron locations are conserved compared to myosin genes of other organisms. Wassenberg DR 2d, et al. **J Biol Chem** 1987 Aug 5;262(22):10741–7
Monoclonal antibodies in the analysis of fibronectin isoforms generated by alternative splicing of mRNA precursors in normal and transformed human cells. Borsi L, et al. **J Cell Biol** 1987 Mar;104(3):595–600
Cell surface modulation of the neural cell adhesion molecule resulting from alternative mRNA splicing in a tissue-specific developmental sequence. Murray BA, et al. **J Cell Biol** 1986 Oct;103(4):1431–9
Quantitation of an alpha subunit splicing intermediate: evidence for transcriptional activation in the control of acetylcholine receptor expression in denervated chick skeletal muscle. Shieh BH, et al. **J Cell Biol** 1987 May; 104(5):1337–41
New reactions of the ribosomal RNA precursor of Tetrahymena and the mechanism of self-splicing. Inoue T, et al. **J Mol Biol** 1986 May 5;189(1):143–65
Splicing of a yeast proline tRNA containing a novel suppressor mutation in the anticodon stem. Winey M, et al. **J Mol Biol** 1986 Nov 5;192(1):49–63
Introns as relict retrotransposons: implications for the evolutionary origin of eukaryotic mRNA splicing mechanisms. Hickey DA, et al. **J Theor Biol** 1986 Aug 7;121(3):283–91
Splice acceptor site for the env message of Moloney murine leukemia virus. Lazo PA, et al. **J Virol** 1987 Jun; 61(6):2038–41
Three splicing patterns are used to excise the small intron common to all minute virus of mice RNAs. Morgan WR, et al. **J Virol** 1986 Dec;60(3):1170–4
Immunologically distinct p53 molecules generated by alternative splicing. Arai N, et al. **Mol Cell Biol** 1986 Sep; 6(9):3232–9
Alternative RNA splicing generates transcripts encoding a thorax-specific isoform of Drosophila melanogaster myosin heavy chain. Bernstein SI, et al. **Mol Cell Biol** 1986 Jul; 6(7):2511–9
Ribonucleoprotein complex formation during pre-mRNA splicing in vitro. Bindereif A, et al. **Mol Cell Biol** 1986 Jul;6(7):2582–92
Multiple interactions between the splicing substrate and small nuclear ribonucleoproteins in spliceosomes. Chabot B, et al. **Mol Cell Biol** 1987 Jan;7(1):281–93
Recognition of mutant and cryptic 5' splice sites by the U1 small nuclear ribonucleoprotein in vitro. Chabot B, et al. **Mol Cell Biol** 1987 Feb;7(2):698–707
Alternate splicing of rabbit polymeric immunoglobulin receptor. Deitcher DL, et al. **Mol Cell Biol** 1986 Jul; 6(7):2712–5
Effects on mRNA splicing of mutations in the 3' region of the Saccharomyces cerevisiae actin intron. Fouser LA, et al. **Mol Cell Biol** 1987 Jan;7(1):225–30
Factors influencing alternative splice site utilization in vivo. Fu XY, et al. **Mol Cell Biol** 1987 Feb;7(2):738–48
In vitro splicing of the terminal intervening sequence of Saccharomyces cerevisiae cytochrome b pre-mRNA. Gampel A, et al. **Mol Cell Biol** 1987 Jul;7(7):2545–51
Substrate recognition and identification of splice sites by the tRNA-splicing endonuclease and ligase from Saccharomyces cerevisiae. Greer CL, et al. **Mol Cell Biol** 1987 Jan;7(1):76–84
Assembly of a tRNA splicing complex: evidence for concerted excision and joining steps in splicing in vitro [published erratum appears in Mol Cell Biol 1986 Jun;6(6):2284)] Greer CL. **Mol Cell Biol** 1986 Feb; 6(2):635–44
Nonmuscle and muscle tropomyosin isoforms are expressed from a single gene by alternative RNA splicing and polyadenylation. Helfman DM, et al. **Mol Cell Biol** 1986 Nov;6(11):3582–95
Cloning and characterization of LOS1, a Saccharomyces cerevisiae gene that affects tRNA splicing. Hurt DJ, et al. **Mol Cell Biol** 1987 Mar;7(3):1208–16
In vitro splicing of kappa immunoglobulin precursor mRNA. Lowery DE, et al. **Mol Cell Biol** 1987 Apr;7(4):1346–51
Conservation of promoter sequence but not complex intron splicing pattern in human and hamster genes for 3-hydroxy-3-methylglutaryl coenzyme A reductase. Luskey KL. **Mol Cell Biol** 1987 May;7(5):1881–93
Spontaneous splicing mutations at the dihydrofolate reductase locus in Chinese hamster ovary cells. Mitchell PJ, et al. **Mol Cell Biol** 1986 Jun;6(6):1926–35
Intron mutations affect splicing of Saccharomyces cerevisiae SUP53 precursor tRNA. Strobel MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2674–83
Primary structure of human nuclear ribonucleoprotein particle C proteins: conservation of sequence and domain structures in heterogeneous nuclear RNA, mRNA, and pre-rRNA-binding proteins. Swanson MS, et al. **Mol Cell Biol** 1987 May;7(5):1731–9
Pre-mRNA splicing and the nuclear matrix. Zeitlin S, et al. **Mol Cell Biol** 1987 Jan;7(1):111–20
Cloning of decay-accelerating factor suggests novel use of splicing to generate two proteins. Caras IW, et al. **Nature** 1987 Feb 5–11;325(6104):545–9
A family of unusually spliced biologically active transcripts encoded by a Drosophila clock gene. Citri Y, et al. **Nature** 1987 Mar 5–11;326(6108):42–7
Alternative RNA splicing affects function of encoded platelet-derived growth factor A chain. Collins T, et al. **Nature** 1987 Aug 13–19;328(6131):621–4
The role of nucleotide sequences in splice site selection in eukaryotic pre-messenger RNA. Eperon LP, et al. **Nature** 1986 Nov 20–26;324(6094):280–2
Effect of mutations at the lariat branch acceptor site on beta-globin pre-mRNA splicing in vitro. Hornig H, et al. **Nature** 1986 Dec 11–17;324(6097):589–91
Catalysis of splicing-related reactions between dinucleotides by a ribozyme. Kay PS, et al. **Nature** 1987 May 28–Jun 3;327(6120):343–6
The role of small nuclear ribonucleoprotein particles in pre-mRNA splicing. Maniatis T, et al. **Nature** 1987 Feb 19–25;325(6106):673–8 (103 ref.)
Electrophoresis of ribonucleoproteins reveals an ordered assembly pathway of yeast splicing complexes. Pikielny CW, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):341–5
The length but not the sequence of the polyoma virus late leader exon is important for both late RNA splicing and stability. Adami GR, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2593–610
Clustered alternative splice sites in Epstein-Barr virus RNAs. Bodescot M, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5887
A catalogue of splice junction and putative branch point sequences from plant introns. Brown JW. **Nucleic Acids Res** 1986 Dec 22;14(24):9549–59
In vitro processing of a plant pre-mRNA in a HeLa cell nuclear extract. Hartmuth K, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7513–28
Expression of intron-containing C. elegans heat shock genes in mouse cells demonstrates divergence of 3' splice site recognition sequences between nematodes and vertebrates, and an inhibitory effect of heat shock on the mammalian splicing apparatus. Kay RJ, et al. **Nucleic Acids Res** 1987 May 11;15(9):3723–41
Characterization of an authentic intermediate in the self-splicing process of ribosomal precursor RNA in macronuclei of Tetrahymena thermophila. Kister KP, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1905–20
A new natural hGH variant—17.5 kd—produced by alternative splicing. An additional consensus sequence which might play a role in branchpoint selection. Lecomte CM, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6331–48
GT to AT transition at a splice donor site causes skipping of the preceding exon in phenylketonuria. Marvit J, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5613–28
Cloning and characterization of a Leishmania gene encoding a RNA spliced leader sequence. Miller SI, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7341–60
Assembly of pre-mRNA splicing complex is cap dependent. Patzelt E, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1387–99
Deletion analysis of a unique 3' splice site indicates that alternating guanine and thymine residues represent an efficient splicing signal. Shelley CS, et al. **Nucleic Acids Res** 1987 May 11;15(9):3787–99
A combination of RNase H and S1 nuclease circumvents an artefact inherent to conventional S1 analysis of RNA splicing. Sisodia SS, et al. **Nucleic Acids Res** 1987 Mar 11; 15(5):1995–2011
A nuclear Nicotiana DNA sequence homologous to the 5' half of tRNATyr may have derived from reverse transcription of a pre-tRNA splicing intermediate. Stange N, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5477
The U2 RNA analogue of Trypanosoma brucei gambiense: implications for a splicing mechanism in trypanosomes. Tschudi C, et al. **Nucleic Acids Res** 1986 Nov 25; 14(22):8893–903
Alternative splicing of SV40 early pre-mRNA in vitro. van Santen VL, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9911–26
Homology between the splice-point region of mitochondrial group I introns and the viroid central conserved region. Wolf K. **Nucleic Acids Res** 1986 Dec 22;14(24):10119
Mutations in the human adenosine deaminase gene that affect protein structure and RNA splicing. Akeson AL, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5947–51
Tandem linkage and unusual RNA splicing of the T-cell receptor beta-chain variable-region genes. Chou HS, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1992–6
Optional exon in the 5'-untranslated region of 3-hydroxy-3-methylglutaryl coenzyme A synthase gene: conserved sequence and splicing pattern in humans and hamsters. Gil G, et al. **Proc Natl Acad Sci USA** 1987 Apr; 84(7):1863–6
Alternative processing of bovine growth hormone mRNA: nonsplicing of the final intron predicts a high molecular weight variant of bovine growth hormone. Hampson RK, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2673–7
Aberrant splicing of proteolipid protein mRNA in the dysmyelinating jimpy mutant mouse. Hudson LD, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1454–8
Alternative splicing of human elastin mRNA indicated by sequence analysis of cloned genomic and complementary DNA. Indik Z, et al. **Proc Natl Acad Sci USA** 1987 Aug; 84(16):5680–4
RNA splicing permits expression of a maize gene with a defective Suppressor-mutator transposable element insertion in an exon. Kim HY, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5863–7
Human thyroid peroxidase: complete cDNA and protein sequence, chromosome mapping, and identification of two alternately spliced mRNAs. Kimura S, et al.

Proc Natl Acad Sci USA 1987 Aug;84(16):5555–9
Two forms of 1B236/myelin-associated glycoprotein, a cell adhesion molecule for postnatal neural development, are produced by alternative splicing. Lai C, et al. Proc Natl Acad Sci USA 1987 Jun;84(12):4337–41
Splice site selection in the proteolipid protein (PLP) gene transcript and primary structure of the DM-20 protein of central nervous system myelin. Nave KA, et al. Proc Natl Acad Sci USA 1987 Aug;84(16):5665–9
Regulated production of mu m and mu s mRNA requires linkage of the poly(A) addition sites and is dependent on the length of the mu s-mu m intron. Peterson ML, et al. Proc Natl Acad Sci USA 1986 Dec;83(23):8883–7
A nonsense mutation causes hereditary goitre in the Afrikander cattle and unmasks alternative splicing of thyroglobulin transcripts. Ricketts MH, et al. Proc Natl Acad Sci USA 1987 May;84(10):3181–4
Aberrant splicing events that are induced by proviral integration: implications for myb oncogene activation. Rosson D, et al. Proc Natl Acad Sci USA 1987 May; 84(10):3171–5
Alternative splicing generates two distinct Eip28/29 gene transcripts in Drosophila Kc cells. Schulz RA, et al. Proc Natl Acad Sci USA 1986 Dec;83(24):9428–32
8-cell variant of mouse T200 (Ly-5): evidence for alternative mRNA splicing. Thomas ML, et al. Proc Natl Acad Sci USA 1987 Aug;84(15):5360–3
The chemistry of self-splicing RNA and RNA enzymes. Cech TR. Science 1987 Jun 19;236(4808):1532–9
Neural cell adhesion molecule: structure, immunoglobulin-like domains, cell surface modulation, and alternative RNA splicing. Cunningham BA, et al. Science 1987 May 15;236(4803):799–806
Efficient trans-splicing of a yeast mitochondrial RNA group II intron implicates a strong 5' exon-intron interaction. Jacquier A, et al. Science 1986 Nov 28;234(4780):1099–104
erg, a human ets-related gene on chromosome 21: alternative splicing, polyadenylation, and translation. Rao VN, et al. Science 1987 Aug 7;237(4815):635–9
Splicing of messenger RNA precursors [published erratum appears in Science 1987 Aug 28;237(4818):964] Sharp PA. Science 1987 Feb 13;235(4790):766–71
The maize transposable element Ds is spliced from RNA. Wessler SR, et al. Science 1987 Aug 21;237(4817):916–8
[Splicing. 2. Splicing of mRNA in the cell nucleus] Kavsan VM. Mol Biol (Mosk) 1986 Nov-Dec;20(6):1451–71 (143 ref.) (Eng. Abstr.) (Rus)
[Possible enzymatic role of imported tRNA1Lys during splicing of mitochondrial transcripts in yeasts] Soldla TR. Mol Biol (Mosk) 1986 Jul-Aug;20(4):1034–8 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Ribozyme inhibitors: deoxyguanosine and dideoxyguanosine are competitive inhibitors of self-splicing of the Tetrahymena ribosomal ribonucleic acid precursor. Bass BL, et al. Biochemistry 1986 Aug 12;25(16):4473–7
Role of Mg2+ in the ribozyme system. Toh H, et al. FEBS Lett 1987 Jul 27;219(2):279–82

RNA, TRANSFER

Effect of the anticodon loop size of yeast alanyl tRNA on its biological activity. Jin YX, et al. Anal Biochem 1987 Mar;161(2):453–9
Genes encoding threonine tRNAs with the anticodon CGU from Escherichia coli and Pseudomonas aeruginosa. Dalrymple B, et al. Biochem Int 1986 Oct;13(4):547–53
Aminoacyl-tRNA(anticodon): codon adaptation in human and rabbit reticulocytes. Hatfield D, et al. Biochem Int 1986 Nov;13(5):835–42
Specific substitution into the anticodon loop of yeast tyrosine transfer RNA. Bare LA, et al. Biochemistry 1986 Sep 23; 25(19):5825–30
Anticodon loop of tRNAPhe: structure, dynamics, and Mg2+ binding. Bujalowski W, et al. Biochemistry 1986 Oct 21;25(21):6365–71
Codon-induced association of the isolated anticodon loop of tRNAPhe. Bujalowski W, et al. Biochemistry 1986 Oct 21;25(21):6372–8
Accuracy of natural messenger translation: analysis of codon-anticodon recognition in a simplified cell-free system. Nègre D, et al. Biochemistry 1986 Oct 21; 25(21):6391–7
Loop formation in polynucleotide chains. II. Flexibility of the anticodon loop of tRNAPhe. Marky NL, et al. Biopolymers 1987 Mar;26(3):415–38
Enzymatic conversion of guanosine 3' adjacent to the anticodon of yeast tRNAPhe to N1-methylguanosine and the wye nucleoside: dependence on the anticodon sequence. Droogmans L, et al. EMBO J 1987 Feb;6(2):477–83
Systematic alterations in the anticodon arm make tRNA(Glu)-Suoc a more efficient suppressor. Raftery LA, et al. EMBO J 1987 May;6(5):1499–506
Conformational dynamics of the anticodon loop in yeast tRNAPhe as sensed by the fluorescence of wybutine. Claesens F, et al. Eur Biophys J 1986;13(6):331–42
The in vivo stability, maturation and aminoacylation of anticodon-substituted Escherichia coli initiator methionine tRNAs. Grosjean H, et al. Eur J Biochem 1987 Jul 15; 166(2):325–32
First position wobble in codon-anticodon pairing: amber suppression by a yeast glutamine tRNA. Lin JP, et al. Gene 1986;49(3):383–8
Mutation in the D arm enables a suppressor with a CUA anticodon to read both amber and ochre codons in Escherichia coli. Raftery LA, et al. J Mol Biol 1986 Aug 5;190(3):513–7
Splicing of a yeast proline tRNA containing a novel suppressor mutation in the anticodon stem. Winey M, et al. J Mol Biol 1986 Nov 5;192(1):49–63
tRNA-like properties of tobacco rattle virus RNA. van Belkum A, et al. Nucleic Acids Res 1987 Apr 10; 15(7):2837–50
Enzymatic synthesis of chimeric tRNAs with unusual numbers of base pairs in the anticodon stem; their structure and properties. Nishikawa K. Nucleic Acids Symp Ser 1986; (17):167–70
Escherichia coli formylmethionine tRNA: mutations in GGGCCC sequence conserved in anticodon stem of initiator tRNAs affect initiation of protein synthesis and conformation of anticodon loop. Seong BL, et al. Proc Natl Acad Sci USA 1987 Jan;84(2):334–8

ANALYSIS

Evidence for the existence of an expressed minor variant tRNAPhe in yeast. Keith G, et al. Biochem Biophys Res Commun 1987 Jan 15;142(1):183–7
A rapid and sensitive method for the estimation of individual tRNA pools. Patel CV, et al. Biochem Biophys Res Commun 1987 Jan 30;142(2):334–40
Rearranged coding segments, separated by a transfer RNA gene, specify the two parts of a discontinuous large subunit ribosomal RNA in Tetrahymena pyriformis mitochondria. Heinonen TY, et al. J Biol Chem 1987 Feb 25; 262(6):2879–87
Effect of zinc ions on tRNA structure. I. Reversed-phase chromatography. Flanagan JM, et al. J Chromatogr 1987 Jan 30;387:139–54
Hydrophobic interaction chromatography of incompletely methylated transfer RNA from Escherichia coli on octyl-sepharose. Sindhuphak T, et al. J Chromatogr 1986 Oct 10;368(1):113–24
A rapid method for determining tRNA charging levels in vivo: analysis of yeast mutants defective in the general control of amino acid biosynthesis. Hill DE, et al. Nucleic Acids Res 1986 Dec 22;14(24):10045–51
Unusual clustering of the genes for primer tRNAs for reverse transcription of retrotransposons in Drosophila. Saigo K. Nucleic Acids Res 1986 Dec 9;14(23):9526
A new rice repetitive DNA shows sequence homology to both 5S RNA and tRNA. Wu TY, et al. Nucleic Acids Res 1987 Aug 11;15(15):5913–23

ANTAGONISTS & INHIBITORS

Mechanisms of photodynamic inactivation of acridine orange-sensitized transfer RNA: participation of singlet oxygen and base damage leading to inactivation. Amagasa J. J Radiat Res (Tokyo) 1986 Dec;27(4):339–51

DRUG EFFECTS

Effect of ethanol on the thermal stability of tRNA molecules. Beneventi S, et al. Biophys Chem 1986 Dec 15;25(2):181–90
Chemical modification of adenine and cytosine residues with chloroacetaldehyde at the nucleoside and the tRNA level: the structural effect of chloroacetaldehyde modification. Krzyżosiak WJ, et al. IARC Sci Publ 1986;(70):75–81
Syntheses of rRNA, 5.8S, 5S and tRNA are inhibited equally by 8-methoxypsoralen phototreatment of Tetrahymena thermophila. Nielsen PE. Nucleic Acids Res 1987 Feb 11; 15(3):921–32

GENETICS

Primer extension analysis of tRNA gene transcripts synthesized in vitro and in vivo. Dingermann T, et al. Anal Biochem 1987 May 1;162(2):466–75
Transfer RNA modification. Björk GR, et al. Annu Rev Biochem 1987;56:263–87 (204 ref.)
Mitochondrial gene expression in yeast: further studies of a self-splicing group II intron. Perlman PS, et al. Basic Life Sci 1986;40:39–55
Sequence and transcription of tRNAVal gene from Xenopus laevis. Peterson RC. Biochim Biophys Acta 1987 Jan 28; 908(1):81–9
Enhancer-like stimulation of yeast tRNA gene expression by a defined region of the Ty element micro-injected into Xenopus oocytes. Hauber J, et al. Biol Chem Hoppe Seyler 1986 Nov;367(11):1141–6
Expression and function of suppressor tRNA genes in mammalian cells. Ho YS, et al. Cold Spring Harbor Symp Quant Biol 1986;51 Pt 2:1033–40
Systematic alterations in the anticodon arm make tRNA(Glu)-Suoc a more efficient suppressor. Raftery LA, et al. EMBO J 1987 May;6(5):1499–506
Transcription termination and processing of transcripts from tRNA-related Xenopus satellite DNA sequences. Meyerhof W, et al. Eur J Biochem 1987 Apr 15; 164(2):287–93
Unrelated leader sequences can efficiently promote human tRNA gene transcription. Arnold GJ, et al. Gene 1987; 51(2-3):237–46
Nucleotide sequence of a tRNA(leu)CAG gene from Rhizobium meliloti. Boesten B, et al. Gene 1987;55(1):153–6
Nucleotide sequence and transcription of a human tRNA gene cluster with four genes. Chang YN, et al. Gene 1986; 48(1):165–74
Expression of synthetic suppressor tRNA genes under the control of a synthetic promoter. Masson JM, et al. Gene 1986;47(2-3):179–83
An unusual genetic link between vitamin B6 biosynthesis and tRNA pseudouridine modification in Escherichia coli K-12. Arps PJ, et al. J Bacteriol 1987 Mar;169(3):1071–9
Expression of a tRNA gene in the context of the lacZ mRNA. Murakawa GJ, et al. J Bacteriol 1987 Feb;169(2):546–52
Plastid run-on transcription. Application to determine the transcriptional regulation of spinach plastid genes. Deng XW, et al. J Biol Chem 1987 Jul 15;262(20):9641–8
Antisuppressor mutations and sulfur-carrying nucleosides in transfer RNAs of Schizosaccharomyces pombe. Grossenbacher AM, et al. J Biol Chem 1986 Dec 15; 261(35):16351–5
Effects of post-transcriptional base modifications on the site-specific function of transfer RNA in eukaryote translation. Smith DW, et al. J Mol Biol 1986 Jun 20; 189(4):663–71
Actions of the anticodon arm in translation on the phenotypes of RNA mutants. Yarus M, et al. J Mol Biol 1986 Nov 20;192(2):235–55
Enzymatic synthesis and some properties of a model primitive tRNA. Kinjo M, et al. J Mol Evol 1986;23(4):320–7
Isolation of novel human retrovirus-related sequences by hybridization to synthetic oligonucleotides complementary to the tRNA(Pro) primer-binding site. Kröger B, et al. J Virol 1987 Jul;61(7):2071–5
Chromosomal mapping of tRNA genes from Dictyostelium discoideum. Dingermann T, et al. MGG 1987 Apr; 207(1):176–87
Functional interactions in vivo between suppressor tRNA and mutationally altered ribosomal protein S4. Kirsebom LA, et al. MGG 1986 Nov;205(2):240–7
Isolation and characterization of MOD5, a gene required for isopentenylation of cytoplasmic and mitochondrial tRNAs of Saccharomyces cerevisiae [published erratum appears in Mol Cell Biol 1987 May;7(5):2035] Dihanich ME, et al. Mol Cell Biol 1987 Jan;7(1):177–84
Substrate recognition and identification of splice sites by the tRNA-splicing endonuclease and ligase from Saccharomyces cerevisiae. Greer CL, et al. Mol Cell Biol 1987 Jan;7(1):76–84
Assembly of a tRNA splicing complex: evidence for concerted excision and joining steps in splicing in vitro [published erratum appears in Mol Cell Biol 1986 Jun;6(6):2284)] Greer CL. Mol Cell Biol 1986 Feb; 6(2):635–44
RNase P activity in the mitochondria of Saccharomyces cerevisiae depends on both mitochondrion and nucleus-encoded components. Hollingsworth MJ, et al. Mol Cell Biol 1986 Apr;6(4):1058–64
A position effect on the expression of a tRNA gene mediated by the SIR genes in Saccharomyces cerevisiae. Schnell R, et al. Mol Cell Biol 1986 Feb;6(2):494–501
Intron mutations affect splicing of Saccharomyces cerevisiae SUP53 precursor tRNA. Strobel MC, et al. Mol Cell Biol 1986 Jul;6(7):2674–83
Coevolution of codon usage and transfer RNA abundance. Bulmer M. Nature 1987 Feb 19-25;325(6106):728–30
tRNA, cloned human DNA sequences and restriction enzyme recognition sequences. Nucleic Acids Res 1987;15 Suppl:r1–230
Small tandemly repeated DNA sequences of higher plants likely originate from a tRNA gene ancestor. Benslimane AA, et al. Nucleic Acids Res 1986 Oct 24;14(20):8111–9
One aspartic acid transfer RNA gene is present upstream of the U6 snRNA gene cluster in Drosophila melanogaster. Das G, et al. Nucleic Acids Res 1986 Oct 10;14(19):7816
Analysis of transcripts of the major cluster of tRNA genes in the mitochondrial genome of S. cerevisiae. Francisci S, et al. Nucleic Acids Res 1987 Aug 25;15(16):6387–403
The requirement for the A block promoter element in tRNA gene transcription in vitro depends on the ionic environment. Gabrielsen OS, et al. Nucleic Acids Res 1987 Jul 24;15(14):5699–713
A subpopulation of spinach chloroplast tRNA genes does not require upstream promoter elements for transcription. Gruissem W, et al. Nucleic Acids Res 1986 Oct 10; 14(19):7541–56
Nucleotide sequence of the bacteriophage T5 DNA fragment containing a distal part of tRNA gene region. Ksenzenko VN, et al. Nucleic Acids Res 1987 Jul 10;15(13):5480–1
Adjustment of the tRNA population to the codon usage in chloroplasts. Pfitzinger H, et al. Nucleic Acids Res 1987 Feb 25;15(4):1377–86
The bases of the tRNA anticodon loop are independent by genetic criteria. Smith D, et al. Nucleic Acids Res 1987 Jun 11;15(11):4669–86
Compilation of tRNA sequences and sequences of tRNA genes. Sprinzl M, et al. Nucleic Acids Res 1987;15 Suppl:r53–188 (375 ref.)
A nuclear Nicotiana DNA sequence homologous to the 5' half of tRNATyr may have derived from reverse transcription of a pre-tRNA splicing intermediate. Stange N, et al. Nucleic Acids Res 1987 Jul 10;15(13):5477
Structural elements and organization of the ancestral translational machinery. Rein R, et al.

Orig Life Evol Biosph 1987;17(3–4):431–8
In vivo aminoacylation of human and Xenopus suppressor tRNAs constructed by site-specific mutagenesis. Ho YS, et al. Proc Natl Acad Sci USA 1987 Apr;84(8):2185–8
Unique pathway of expression of an opal suppressor phosphoserine tRNA. Lee BJ, et al.
Proc Natl Acad Sci USA 1987 Sep;84(18):6384–8
Functional complementation between mutations in a yeast suppressor tRNA gene reveals potential for evolution of tRNA sequences. Willis I, et al.
Proc Natl Acad Sci USA 1986 Oct;83(20):7860–4
Bizarre tRNAs inferred from DNA sequences of mitochondrial genomes of nematode worms. Wolstenholme DR, et al. Proc Natl Acad Sci USA 1987 Mar;84(5):1324–8
Evolution of E. coli tRNA(Ile): evidence of derivation from other tRNAs. Staves MP, et al. Z Naturforsch [C] 1987 Jan–Feb;42(1–2):129–33
[Adaptation of cell metabolism to environmental changes: regulation of gene expression of transfer RNA and unusual nucleic acid building–blocks] Kersten H.
Naturwissenschaften 1986 Oct;73(10):593–604 (Eng. Abstr.) (Ger)
[Unambiguous correspondence and complementarity of the chemical properties of amino acids and anticodons of the genetic code] Andreev AIu, et al. Biol Nauki 1986;(11):16–25 (Eng. Abstr.) (Rus)
[Evolutionary study of genomes based on an analysis of primary tRNA structures] Omel'ianchuk LV, et al.
Zh Obshch Biol 1987 Mar–Apr;48(2):156–66 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Autoantibodies to intracellular antigens, with particular reference to transfer RNA and related proteins in myositis. Bernstein RM, et al. J Rheumatol 1987 Jun;14 Suppl 13:83–8
Two human tRNA(Ala) families are recognized by autoantibodies in polymyositis sera. Bunn CC, et al.
Mol Biol Med 1987 Feb;4(1):21–36

ISOLATION & PURIFICATION

Purification of individual tRNAs using a monoclonal anti–AMP antibody affinity column. Zhu RX, et al.
Anal Biochem 1987 Mar;161(2):460–6
Identification of a shrimp–derived allergen as tRNA. Nagpal S, et al. J Immunol 1987 Jun 15;138(12):4169–74

METABOLISM

Understanding the recognition of transfer RNAs by aminoacyl transfer RNA synthetases. Schimmel PR.
Adv Enzymol 1979;49:187–222 (112 ref.)
Aminoacyl tRNA synthetases: general scheme of structure–function relationships in the polypeptides and recognition of transfer RNAs. Schimmel P.
Annu Rev Biochem 1987;56:125–58 (167 ref.)
tRNA binding capacities of ribosomal subunits from the archaebacterium Halobacterium halobium. Saruyama H, et al. Biochem Int 1986 Dec;13(6):943–50
Effects of liver regeneration on tRNA contents and aminoacyl–tRNA synthetase activities and sedimentation patterns. Del Monte U, et al. Biochem J 1986 May 15;236(1):163–9
Ribosome protection by tRNA derivatives against inactivation by virginiamycin M: evidence for two types of interaction of tRNA with the donor site of peptidyl transferase. Chinali G, et al. Biochemistry 1987 Mar 24;26(6):1592–7
Organothallium(III) reagents for modification of biomacromolecules: interaction of thallium derivatives with transfer RNA. Baindur SR, et al. Biochim Biophys Acta 1987 Jan 20;923(1):66–73
Transfer ribonucleic acid populations in concanavalin–A–stimulated bovine lymphocytes.
Derwenskus KH, et al. Biochim Biophys Acta 1986 Nov 13;868(2–3):91–9
tRNA–ethylnitrosourea reaction: incorporation of the carbonyl function of ethylnitrosourea into the "pyrimidine–nucleotide–like" fraction.Kanduc D, et al.
Boll Soc Ital Biol Sper 1986 Sep 30;62(9):1039–42
Binding and cleavage of pre–tRNA by the Xenopus splicing endonuclease: two separable steps of the intron excision reaction. Baldi MI, et al. Cell 1986 Dec 26;47(6):965–71
The interaction between biologically inactive tRNA conformers and leucyl–tRNA synthetase from rabbit liver. El'skaya A, et al. Eur J Biochem 1987 Apr 1;164(1):65–9
Tetracycline can inhibit tRNA binding to the ribosomal P site as well as to the A site. Geigenmüller U, et al.
Eur J Biochem 1986 Dec 15;161(3):723–6
Methylation in vivo of elongation factor EF–Tu at lysine–56 decreases the rate of tRNA–dependent GTP hydrolysis. Van Noort JM, et al. Eur J Biochem 1986 Nov 3;160(3):557–61
Competition between tetracycline and tRNA at both P and A sites of the ribosome of Escherichia coli. Epe B, et al.
FEBS Lett 1987 Mar 23;213(2):443–7
Uncharged tRNA error damping model. Gallant JA.
FEBS Lett 1986 Oct 6;206(2):185–8
Inactivation of yeast nucleotidyl transferase and its effect on the integrity of the aminoacid acceptor end of transfer RNA. del Rio JM, et al. Int J Biochem 1987;19(2):127–31
The binding of the antitumor antibiotic chartreusin to poly(dA–dT).poly(dA–dT), poly(dG–dC).poly(dG–dC), calf thymus DNA, transfer RNA, and ribosomal RNA. Krueger WC, et al. J Antibiot (Tokyo) 1986 Sep;39(9):1298–303
Interaction of RNA with transformed glucocorticoid receptor. II. Identification of the RNA as transfer RNA. Ali M, et al. J Biol Chem 1987 May 15;262(14):6778–84
tRNA binding sites on the subunits of Escherichia coli ribosomes. Gnirke A, et al. J Biol Chem 1986 Nov 5;261(31):14506–14
Biochemical research on oogenesis. Binding of tRNA to the nucleoprotein particles of Xenopus laevis previtellogenic oocytes. le Maire M, et al. J Biol Chem 1987 Jan 15;262(2):654–9
Separation and characterization of 5'- and 3'-tRNA processing nucleases from rat liver mitochondria. Manam S, et al. J Biol Chem 1987 Jul 25;262(21):10272–9
Regulation of the ubiquitin–mediated proteolytic pathway: role of the substrate alpha–NH2 group and of transfer RNA. Ciechanover A. J Cell Biochem 1987 Jun;34(2):81–100 (80 ref.)
Contact areas of the turnip yellow mosaic virus tRNA–like structure interacting with yeast valyl–tRNA synthetase. Florentz C, et al. J Mol Biol 1986 Sep 5;191(1):117–30
Binding of acridine orange to transfer RNA and photodynamic inactivation. Amagasa J.
J Radiat Res (Tokyo) 1986 Dec;27(4):325–38
Effect of intron mutations on processing and function of Saccharomyces cerevisiae SUP53 tRNA in vitro and in vivo. Strobel MC, et al. Mol Cell Biol 1986 Jul;6(7):2663–73
Circular dichroism analyses of tRNA X protein interactions. Yokoyama S, et al. Nucleic Acids Symp Ser 1986;(17):199–201
The glucocorticoid receptor protein binds to transfer RNA. Ali M, et al. Science 1987 Jan 23;235(4787):467–70
Evidence for dispensable sequences inserted into a nucleotide fold. Starzyk RM, et al. Science 1987 Sep 25;237(4822):1614–8
[Estrogen receptor and transfer RNA (tRNA) in women with uterine myoma] Baranowski W. Ginekol Pol 1986 Oct;57(10):662–4 (Eng. Abstr.) (Pol)
[Aminoacylation of tRNA in the pt rabbit brain. II. Amino acyl tRNA level in the pt rabbit brain in vivo] Jesionek D, et al. Neuropatol Pol 1986;24(3):315–21 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Interaction of Cibacron blue F3GA and polynucleotides with ricin A–chain, 60 S ribosomal subunit–inactivating protein. Watanabe K, et al. Biochim Biophys Acta 1987 Aug 5;914(2):177–84

ULTRASTRUCTURE

Modification of tRNA and its applicability for the assessment of prognosis, state of differentiation, and clonality in human leukemias and lymphomas. Emmerich B, et al.
Hamatol Bluttransfus 1987;30:241–50

RNA, TRANSFER, METHYLTRANSFERASES

ANALYSIS

Suppression by methionine and choline of onco–fetal patterns of liver tRNA methyltransferase activities in carcinogen–treated rats. Wainfan E, et al.
Carcinogenesis 1987 Apr;8(4):615–7

GENETICS

Cloning and nucleotide sequence of a carbomycin–resistance gene from Streptomyces thermotolerans. Epp JK, et al.
Gene 1987;53(1):73–83

ISOLATION & PURIFICATION

tRNA (adenine–N1)–methyltransferase from Dictyostelium discoideum. Purification, characterization and developmental changes in activity. Mutzel R, et al.
Eur J Biochem 1986 Oct 1;160(1):101–8

METABOLISM

Transfer RNA(5–methylaminomethyl–2–thiouridine)–methyltransferase from Escherichia coli K–12 has two enzymatic activities. Hagervall TG, et al. J Biol Chem 1987 Jun 25;262(18):8488–95
Effects of modification of 4–thiouridine in E. coli tRNAfMet on methylation reaction with a thermostable Gm–methylase. Hori H, et al. Nucleic Acids Symp Ser 1986;(17):175–8
Amino–terminal extension generated from an upstream AUG codon is not required for mitochondrial import of yeast N2,N2–dimethylguanosine–specific tRNA methyltransferase. Ellis SR, et al.
Proc Natl Acad Sci USA 1987 Aug;84(15):5172–6

RNA TUMOR VIRUSES see RETROVIRIDAE

RNA, VIRAL

Structure of RNA in satellite tobacco necrosis virus. A low resolution neutron diffraction study using 1H2O/2H2O solvent contrast variation. Bentley GA, et al.
J Mol Biol 1987 Mar 5;194(1):129–41
Homologies between small nuclear RNAs and LAV/HTLV–III sequences and their possible role in the cytopath..c effect of the virus. Minárovits J, et al.
Med Hypotheses 1987 Jan;22(1):27–33
[Technics used in viral genetics as an alternative means of diagnosing viral diseases] Nakagomi O. Rinsho Byori 1986 Dec;34(12):1356–61 (Jpn)
[Comparison of the conformation of RNA from phage MS2 and 16S rRNA. Interaction with dyes specific for the secondary structure of native RNA and RNA subjected to hydrolysis by nuclease S1] Borisova OF, et al.
Mol Biol (Mosk) 1987 Mar–Apr;21(2):515–28 (Eng. Abstr.) (Rus)
[Comparison of the conformation of RNA from phage MS2 and 16S rRNA. Accessibility to nucleases S1 and SV specific to secondary structure and thermal stability] Grechko VV, et al. Mol Biol (Mosk) 1987 Mar–Apr;21(2):506–14 (Eng. Abstr.) (Rus)

ANALYSIS

Characterisation of orbiviruses of the Kemerovo serogroup: comparison of protein and RNA profiles. Black F, et al.
Acta Virol (Praha) 1986 Jul;30(4):320–4
Oligonucleotide fingerprint analysis on Japanese encephalitis virus strains after passage histories. Hori H, et al.
Acta Virol (Praha) 1986 Sep;30(5):428–31
Oligonucleotide fingerprint analysis on Japanese encephalitis virus strains isolated in Japan and Thailand. Hori H, et al. Acta Virol (Praha) 1986 Sep;30(5):353–9
HTLV–I infection of cerebrospinal fluid T cells from patients with chronic neurologic disease. DeFreitas E, et al.
AIDS Res Hum Retroviruses 1987 Spring;3(1):19–32
Quantitative in situ hybridization using initial velocity measurements. Cash E, et al. Anal Biochem 1986 Sep;157(2):236–40
Rapid alkaline blot–transfer of viral dsRNAs. Li JK, et al.
Anal Biochem 1987 May 15;163(1):210–8
Viroids. Subcellular location and structure of replicative intermediates. Riesner D, et al. Ann NY Acad Sci 1987;503:212–37
Distribution by immunofluorescence of viral products and actin–containing cytoskeletal filaments in rubella virus–infected cells. Bowden DS, et al. Arch Virol 1987;92(3–4):211–9
Pathogenic and structural properties of wild type infectious bursal disease virus (IBDV) and virus grown in vitro. Lange H, et al. Arch Virol 1987;92(3–4):187–96
Electropherotypic analysis of rotaviruses isolated from turkeys. Kang SY, et al. Avian Dis 1986 Oct–Dec;30(4):794–801
Biosynthesis of reovirus–specified polypeptides. Molecular cDNA cloning and nucleotide sequence of the reovirus serotype 1 Lang strain bicistronic s1 mRNA which encodes the minor capsid polypeptide sigma 1a and the nonstructural polypeptide sigma 1bNS. Munemitsu SM, et al. Biochem Biophys Res Commun 1986 Oct 30;140(2):508–14
Non–radioactive nucleic acid probes for the diagnosis of virus infections. Pereira HG. Bioessays 1986 Mar;4(3):110–3
Subacute sclerosing panencephalitis: detection of measles virus RNA in appendix lymphoid tissue before clinical signs. Fournier JG, et al. Br Med J [Clin Res] 1986 Aug 30;293(6546):523–4
Electrophoretic study of the genome of human rotavirus from Maceió, Brazil. Houly CA, et al. Braz J Med Biol Res 1986;19(1):33–7
Nucleic acid–based analyses of non–group A rotaviruses. McCrae MA. Ciba Found Symp 1987;128:24–48
Epidemiology of human rotaviruses in a maternity unit as studied by electrophoresis of genomic RNA.
Garbag–Chenon A, et al. Eur J Epidemiol 1985 Mar;1(1):33–6
Molecular epidemiology of human rotavirus infections. Sanders RC. Eur J Epidemiol 1985 Mar;1(1):19–32 (96 ref.)
Sequence of 3000 nucleotides at the 5' end of Japanese encephalitis virus RNA. Sumiyoshi H, et al. Gene 1986;48(2–3):195–201
A highly leukemogenic radiation leukemia virus isolate is a thymotropic, immunosuppressive retrovirus with a unique RNA structure. Ben David Y, et al. Int J Cancer 1987 Apr 15;39(4):492–7
Transcription at bacteriophage T4 variant late promoters. An application of a newly devised promoter–mapping method involving RNA chain retraction. Kassavetis GA, et al. J Biol Chem 1986 Oct 25;261(30):14256–65
Cultivation and characterization of human rotaviruses with "super short" RNA patterns.Albert MJ, et al.
J Clin Microbiol 1987 Jan;25(1):183–5
Genetic relatedness of Colorado tick fever virus isolates by RNA–RNA blot hybridization. Bodkin DK, et al.
J Gen Virol 1987 Apr;68 (Pt 4):1199–204
Genotypic variation among six isolates of lactate dehydrogenase–elevating virus. Brinton MA, et al.
J Gen Virol 1986 Dec;67 (Pt 12):2673–84
Intracellular RNAs of the feline infectious peritonitis coronavirus strain 79–1146. de Groot RJ, et al.
J Gen Virol 1987 Apr;68 (Pt 4):995–1002
Genetic and epidemiological studies of dengue type 2 viruses by hybridization using synthetic deoxyoligonucleotides as probes. Kerschner JH, et al. J Gen Virol 1986 Dec;67 (

Pt 12):2645–61
Characterization of messenger RNAs of measles virus. Yoshikawa Y, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2807–12
Use of cytoplasmic dot–blot hybridization to detect human immunodeficiency virus RNA sequences in cultures of peripheral blood. Monroe JE, et al. **J Infect Dis** 1987 Feb; 155(2):320–2
Detection of human rhinoviruses and their molecular relationship using cDNA probes. Al–Nakib W, et al. **J Med Virol** 1986 Nov;20(3):289–96
Nucleic acid probes in the study of latent viral disease. Maitland NJ, et al. **J Oral Pathol** 1987 Apr;16(4):199–211
Lack of competition results in efficient packaging of heterologous murine retroviral RNAs and reticuloendotheliosis virus encapsidation–minus RNAs by the reticuloendotheliosis virus helper cell line. Embretson JE, et al. **J Virol** 1987 Sep;61(9):2675–83
Overlapping sets of viral RNAs reflect the array of polypeptides in the EcoRI J and N fragments (map positions 81.2 to 85.0) of the Autographa californica nuclear polyhedrosis virus genome. Oellig C, et al. **J Virol** 1987 Oct;61(10):3048–57
The role of Moloney murine leukemia virus RNase H activity in the formation of plus–strand primers. Rattray AJ, et al. **J Virol** 1987 Sep;61(9):2843–51
Poliovirus snapback double–stranded RNA isolated from infected HeLa cells is deficient in poly(A). Richards OC, et al. **J Virol** 1987 Jul;61(7):2307–10
Detection of dengue virus RNA using nucleic acid hybridization. Henchal EA, et al. **J Virol Methods** 1987 Feb;15(3):187–200
Detection of flavivirus RNA in infected cells using photobiotin–labelled hybridization probes. Khan AM, et al. **J Virol Methods** 1987 Feb;15(2):121–30
Use of [32P]RNA probes for the dot–hybridization detection of potato spindle tuber viroid. Lakshman DK, et al. **J Virol Methods** 1986 Nov;14(3–4):309–19
In vitro detection of canine distemper virus nucleic acid with a virus–specific cDNA probe by dot–blot and in situ hybridization. Oglesbee M, et al. **J Virol Methods** 1986 Nov;14(3–4):195–211
Covalent binding of formalin fixed paraffin embedded brain tissue sections to glass slides suitable for in situ hybridization. Tourtellotte WW, et al. **J Virol Methods** 1987 Feb;15(2):87–99
Detection of HTLV–III RNA in lungs of patients with AIDS and pulmonary involvement [published erratum appears in JAMA 1987 Jan 16;257(3):317] Chayt KJ, et al. **JAMA** 1986 Nov 7;256(17):2356–9
Expression of integrated hepatitis B virus DNA in PLC/PRF/5, Hep 3B, and L6EC3 cell lines detected by in situ hybridisation. Meyer JL, et al. **Med Biol** 1986; 64(6):367–71
Molecular weight determination of the two segments of double–stranded RNA of infectious bursal disease virus, a member of the birnavirus group. Müller H, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):113–21
Hepatitis B virus RNA transcripts and DNA in chronic liver disease. Yokosuka O, et al. **N Engl J Med** 1986 Nov 6; 315(19):1187–92
Quest for a reliable, valid, and sensitive in situ hybridization procedure to detect viral nucleic acids in the central nervous system. Tourtellotte WW, et al. **Neurochem Res** 1987 Jun;12(6):565–71
Essential features of the assembly origin of tobacco mosaic virus RNA as studied by directed mutagenesis. Turner DR, et al. **Nucleic Acids Res** 1986 Dec 9;14(23):9229–42
Nucleotide sequence of the M segment of the genomic RNA of Hantaan virus 76–118. Yoo DW, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6299–300
Structure and replication of the genome of the hepatitis delta virus. Chen PJ, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8774–8
RNA from an immediate early region of the type 1 herpes simplex virus genome is present in the trigeminal ganglia of latently infected mice. Deatly AM, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3204–8
The double–stranded RNA in Trichomonas vaginalis may originate from virus–like particles. Wang AL, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7956–60
Transcription and replication of hepatitis delta virus. Baroudy BM, et al. **Prog Clin Biol Res** 1987;234:89–91
Biological and molecular characterization of the hepatitis delta virus. Kos A, et al. **Prog Clin Biol Res** 1987;234:83–7
Structure and replication of the genome of hepatitis delta virus. Taylor J, et al. **Prog Clin Biol Res** 1987;234:93–5
The viroid–like structure of the hepatitis delta (delta) genome: synthesis of a viral antigen in recombinant bacteria. Wang KS, et al. **Prog Clin Biol Res** 1987;234:71–82
Characterisation of rotavirus isolates from sub–clinically infected calves by genome profile analysis. Pocock DH. **Vet Microbiol** 1987 Jan;13(1):27–34
Molecular hybridization with DNA–probes as a laboratory diagnostic test for influenza viruses. Pljusnin AZ, et al. **Virologie** 1987 Apr–Jun;38(2):111–4
A comparison of different cloned bluetongue virus genome segments as probes for the detection of virus–specified RNA. Huismans H, et al. **Virology** 1987 Jun;158(2):373–80
Evidence for a shift in 5'–termini of early viral RNA during the lytic cycle of JC virus. Khalili K, et al. **Virology** 1987 Jun;158(2):469–72
Biochemical characterization of an aphthovirus type C3 strain Resende attenuated for cattle by serial passages in chicken embryos. Sagedahl A, et al. **Virology** 1987 Apr; 157(2):366–74
Identification and analysis of Ebola virus messenger RNA. Sanchez A, et al. **Virology** 1987 Apr;157(2):414–20
Correlation between presence of lactate dehydrogenase–elevating virus RNA and antigens in motor neurons and paralysis in infected C58 mice. Contag CH, et al. **Virus Res** 1986 Dec;6(3):195–209
The complete nucleotide sequence of bluetongue virus serotype 1 RNA3 and a comparison with other geographic serotypes from Australia, South Africa and the United States of America, and with other orbivirus isolates. Gould AR. **Virus Res** 1987 Apr;7(2):169–83
[Detection of mixed rotavirus infections by the viral RNA test] Szücs G, et al. **Orv Hetil** 1987 Feb 1;128(5):255–7 (Eng. Abstr.) **(Hun)**
[Tritium labeling of RNA and protein of bacteriophage MS2] Neiman LA, et al. **Bioorg Khim** 1986 Aug;12(8):1070–2 (Eng. Abstr.) **(Rus)**
[Primary structure of tRNAAsn of bacteriophage T5] Shliapnikov MG, et al. **Bioorg Khim** 1987 Apr;13(4):533–8 (Eng. Abstr.) **(Rus)**
[Primary structure of proline tRNA of bacteriophage T5] Shliapnikov MG, et al. **Bioorg Khim** 1987 Apr;13(4):559–61 (Eng. Abstr.) **(Rus)**
[The use of the molecular hybridization method for detecting the RNA of the hepatitis A virus] Kusov IuIu, et al. **Dokl Akad Nauk SSSR** 1987;294(3):731–4 **(Rus)**
[Analysis of ribonucleoproteins of influenza virus containing genomic and complementary RNA] Boshchenko IuA, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):32–6 (Eng. Abstr.) **(Rus)**
[Sedimentation characteristics of virion RNA of Machupo virus reproducing in the presence of actinomycin D] Golubev VP, et al. **Mol Gen Mikrobiol Virusol** 1985 Jun; (6):37–40 (Eng. Abstr.) **(Rus)**
[The use of immunosorption for the analysis of influenza virus RNA in intracellular viral ribonucleoproteins] Skliianskaia EI, et al. **Mol Gen Mikrobiol Virusol** 1985 Nov;(11):36–7 (Eng. Abstr.) **(Rus)**
[RNA analysis of the measles virus in a human cell culture of the chronic infection] Andzhaparidze OG, et al. **Vopr Virusol** 1986 May–Jun;31(3):303–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The poliovirus–induced shut–off of cellular protein synthesis persists in the presence of 3–methylquercetin, a flavonoid which blocks viral protein and RNA synthesis. Vrijsen R, et al. **Antiviral Res** 1987 Jan;7(1):35–42
Direct characterization of influenza viral NS1 mRNA and related sequences from infected HeLa cells and a cell–free transcription system. Nicholson AW, et al. **Biochim Biophys Acta** 1986 Nov 13;868(2–3):153–63
Specific inhibition of tobacco mosaic virus protein and single–stranded RNA synthesis by arabinofuranosyladenine. Dawson WO, et al. **Intervirology** 1986;26(3):149–55
In vitro synthesis of influenza viral RNA: characterization of an isolated nuclear system that supports transcription of influenza viral RNA. Takeuchi K, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):837–45
In vitro formation of a lariat structure containing a G2'–5'G linkage. Freyer GA, et al. **J Biol Chem** 1987 Mar 25; 262(9):4267–73
Occurrence of novel small RNAs with concomitant inhibition of host cellular U small nuclear RNA synthesis in Vero cells infected with herpes simplex virus type 1. Bachmann M, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2587–94
Action of 3–methylquercetin on poliovirus RNA replication. Castrillo JL, et al. **J Virol** 1987 Oct;61(10):3319–21
In vitro replication of mouse hepatitis virus strain A59. Compton SR, et al. **J Virol** 1987 Jun;61(6):1814–20
Host factor–induced template modification during synthesis of poliovirus RNA in vitro. Hey TD, et al. **J Virol** 1987 Mar;61(3):802–11
Tissue–specific expression of human provirus ERV3 mRNA in human placenta: two of the three ERV3 mRNAs contain human cellular sequences. Kato N, et al. **J Virol** 1987 Jul; 61(7):2182–91
Primer–dependent synthesis of covalently linked dimeric RNA molecules by poliovirus replicase. Lubinski JM, et al. **J Virol** 1987 Oct;61(10):2997–3003
Analysis of RNA synthesis of type 1 poliovirus by using an in vitro molecular genetic approach. Toyoda H, et al. **J Virol** 1987 Sep;61(9):2816–22
Characterization of product RNAs synthesized in vitro by poliovirus RNA polymerase purified by chromatography on hydroxylapatite or poly(U) Sepharose. Young DC, et al. **J Virol** 1987 Feb;61(2):611–4
Replicative intermediate of hepatitis B virus in transfected murine fibroblasts. Zelent AZ, et al. **J Virol** 1987 Sep; 61(9):2921–3
Levels of bovine papillomavirus RNA and protein expression correlate with variations in the tumorigenic phenotype of hamster cells. Zhang YL, et al. **J Virol** 1987 Sep; 61(9):2924–8
The immunosorbtion of influenza virus nucleocapsids from cell lysates as a technique for the studies on viral RNA synthesis. Varich NL. **J Virol Methods** 1987 May; 16(1–2):115–24
The regulated expression of Epstein–Barr virus: evidence that the transition from primary to secondary protein synthesis in Raji cells superinfected with Epstein–Barr virus requires the synthesis of new RNA. Bayliss GJ, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):99–102
Transcription and replication of rhabdoviruses [published erratum appears in Microbiol Rev 1987 Jun;51(2):299] Banerjee AK. **Microbiol Rev** 1987 Mar;51(1):66–87 (248 ref.)
Nucleotides in the polyomavirus enhancer that control viral transcription and DNA replication. Tang WJ, et al. **Mol Cell Biol** 1987 May;7(5):1681–90
Characterization of Kunjin virus RNA–dependent RNA polymerase: reinitiation of synthesis in vitro. Chu PW, et al. **Virology** 1987 Apr;157(2):330–7
Viral RNAs synthesized in cells infected with Germiston Bunyavirus. Cunningham C, et al. **Virology** 1987 Apr; 157(2):431–9
Replicative events in hepatitis A virus–infected MRC–5 cells. De Chastonay J, et al. **Virology** 1987 Apr;157(2):268–75
Synthesis of simian rotavirus SA11 double–stranded RNA in a cell–free system. Patton JT. **Virus Res** 1986 Dec; 6(3):217–33
MHV nucleocapsid synthesis in the presence of cycloheximide and accumulation of negative strand MHV RNA. Perlman S, et al. **Virus Res** 1986 Dec;6(3):261–72
[RNA synthesis of influenza A viruses—temperature–sensitive mutants defective in RNA synthesis] Fukuda R, et al. **Uirusu** 1986 Dec;36(2):203–19 (133 ref.) **(Jpn)**
[Regulation of the replication of RNA segments in the influenza virus] Kaverin NV, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):409–10 **(Rus)**

BLOOD

Type D hepatitis: the clinical significance of hepatitis D virus RNA in serum as detected by a hybridization–based assay. Smedile A, et al. **Hepatology** 1986 Nov–Dec;6(6):1297–302
Clinical significance of HDV RNA in HDV disease. Smedile A, et al. **Prog Clin Biol Res** 1987;234:235–41

GENETICS

Molecular studies of brome mosaic virus using infectious transcripts from cloned cDNA. Ahlquist P, et al. **Adv Virus Res** 1987;32:215–42 (93 ref.)
The dianthoviruses: a distinct group of isometric plant viruses with bipartite genome. Hiruki C. **Adv Virus Res** 1987; 33:257–300 (60 ref.)
Retroid virus genome replication. Mason WS, et al. **Adv Virus Res** 1987;32:35–96 (285 ref.)
Molecular cloning of the bovine viral diarrhea virus genomic RNA. Renard A, et al. **Ann Rech Vet** 1987;18(2):121–5
Nucleotide sequence of the 5'–terminal untranslated part of the genome of the flavivirus West Nile virus. Castle E, et al. **Arch Virol** 1987;92(3–4):309–13
Marked sequence variation between segment 4 genes of human RV–5 and simian SA 11 rotaviruses. Kantharidis P, et al. **Arch Virol** 1987;93(1–2):111–21
In vitro translation of mRNA species from cells infected with Machupo virus. Lukashevich IS, et al. **Arch Virol** 1987; 92(3–4):315–9
Detection of hantaviruses with RNA probes generated from recombinant DNA. Schmaljohn CS, et al. **Arch Virol** 1987; 95(3–4):291–301
RNA processing in a structural gene from bacteriophage T4. Maley F, et al. **Biochem Soc Trans** 1986 Oct;14(5):813–5
Accessibility of the leading end of ribonucleic acid in transcription complexes. Bernhard SL, et al. **Biochemistry** 1986 Oct 21;25(21):6397–404
Mechanism and requirements of in vitro RNA splicing of the primary transcript from the T4 bacteriophage thymidylate synthase gene. Chu FK, et al. **Biochemistry** 1987 Jun 2;26(11):3050–7
Coronavirus leader–RNA–primed transcription: an alternative mechanism to RNA splicing. Lai MM. **Bioessays** 1986 Dec;5(6):257–60 (25 ref.)
Viral sequences required for neurovirulence of poliovirus. Racaniello VR. **Bioessays** 1986 Dec;5(6):266–70 (29 ref.)
Dissecting the molecular anatomy of the nervous system: analysis of RNA and protein expression in whole body sections of laboratory animals. Blount P, et al. **Brain Res** 1986 Sep 24;382(2):257–65
HTLV–III expression and production involve complex regulation at the levels of splicing and translation of viral RNA. Feinberg MB, et al. **Cell** 1986 Sep 12;46(6):807–17
Self–cleavage of plus and minus RNAs of a virusoid and a structural model for the active sites. Forster AC, et al. **Cell** 1987 Apr 24;49(2):211–20
Self–cleavage of virusoid RNA is performed by the proposed 55–nucleotide active site. Forster AC, et al. **Cell** 1987 Jul 3;50(1):9–16
A cis–acting element within the 5' leader of a cytomegalovirus beta transcript determines kinetic class. Geballe AP, et al. **Cell** 1986 Sep 12;46(6):865–72
Multiple self–splicing introns in bacteriophage T4: evidence from autocatalytic GTP labeling of RNA in vitro. Gott JM, et al. **Cell** 1986 Oct 10;47(1):81–7
Modulation of replication, aminoacylation and adenylation in vitro and infectivity in vivo of BMV RNAs containing deletions within the multifunctional 3' end. Bujarski JJ,

et al. **EMBO J** 1986 Aug;5(8):1769–74
Analysis of RNA cleavage at the adenovirus-2 L3 polyadenylation site. Moore CL, et al. **EMBO J** 1986 Aug; 5(8):1929–38
A family of lambda phage cDNA cloning vectors, lambda SWAJ, allowing the amplification of RNA sequences. Palazzolo MJ, et al. **Gene** 1987;52(2–3):197–206
Partial sequence analysis of cloned dengue virus type 2 genome. Yaegashi T, et al. **Gene** 1986;46(2–3):257–67
RNA transcripts of hepatitis B virus in hepatocellular carcinoma. Imazeki F, et al. **Hepatology** 1987 Jul–Aug; 7(4):753–7
Tobacco rattle virus. Lister RM. **Intervirology** 1986; 26(1–2):61–73
Polyadenylated, cytoplasmic transcripts of varicella–zoster virus. Maguire HF, et al. **Intervirology** 1986;26(4):181–91
Dissection of RNA–primed DNA synthesis catalyzed by gene 4 protein and DNA polymerase of bacteriophage T7. Coupling of RNA primer and DNA synthesis. Nakai H, et al. **J Biol Chem** 1986 Nov 15;261(32):15217–24
Interactions of the DNA polymerase and gene 4 protein of bacteriophage T7. Protein–protein and protein–DNA interactions involved in RNA–primed DNA synthesis. Nakai H, et al. **J Biol Chem** 1986 Nov 15;261(32):15208–16
Genetic relatedness among human rotavirus genes coding for VP7, a major neutralization protein, and its application to serotype identification. Midthun K, et al. **J Clin Microbiol** 1987 Jul;25(7):1269–74
Analysis by RNA–RNA hybridization assay of intertypic rotaviruses suggests that gene reassortment occurs in vivo. Midthun K, et al. **J Clin Microbiol** 1987 Feb;25(2):295–300
Genetic analysis of a human rotavirus that belongs to subgroup I but has an RNA pattern typical of subgroup II human rotaviruses. Nakagomi O, et al. **J Clin Microbiol** 1987 Jul;25(7):1159–64
Measles virus haemagglutinin gene: cloning, complete nucleotide sequence analysis and expression in COS cells. Gerald C, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2695–703
The complete nucleotide sequence of coxsackievirus B4 and its comparison to other members of the Picornaviridae. Jenkins O, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1835–48
Transcription in vitro of infectious haematopoietic necrosis virus, a fish rhabdovirus. Kurath G, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1767–71
Nucleotide sequence of a cDNA clone of RNA segment 10 of bluetongue virus (serotype 10). Lee JW, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2833–7
The genome–linked proteins of aphthoviruses: specific immunoprecipitation of the three species detected on virus RNA and identification of possible precursors. Sangar DV, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2405–14
Sequence analysis of the P and C protein genes of human parainfluenza virus type 3: patterns of amino acid sequence homology among paramyxovirus proteins. Spriggs MK, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2705–19
Hepatitis delta (delta) cDNA clones: undetectable hybridization to nucleic acids from infectious non–A, non–B hepatitis materials and hepatitis B DNA. Weiner AJ, et al. **J Med Virol** 1987 Mar;21(3):239–47
Sense and antisense transcription of bacteriophage T4 gene 32. Processing and stability of the mRNAs. Belin D, et al. **J Mol Biol** 1987 Mar 20;194(2):231–43
Regions of conservation and divergence in the 3'untranslated sequences of genomic RNA from Ross River virus isolates. Faragher SG, et al. **J Mol Biol** 1986 Jul 20;190(2):141–8
Synthesis in vitro of a seven amino acid peptide encoded in the leader RNA of Rous sarcoma virus. Hackett PB, et al. **J Mol Biol** 1986 Jul 5;190(1):45–57
Suppressor and novel mutants of bacteriophage T4 tRNA(Gly). McClain WH, et al. **J Mol Biol** 1987 Jan 5; 193(1):223–6
Defining the functional domains in the control region of the adenovirus type 2 specific VARNA1 gene. Wu GJ, et al. **J Mol Biol** 1987 Apr 5;194(3):423–42
Promoters and processing sites within the transforming region of bovine papillomavirus type 1. Ahola H, et al. **J Virol** 1987 Jul;61(7):2240–4
In vivo transcription of bacteriophage phi 29 DNA: transcription initiation sites. Barthelemy I, et al. **J Virol** 1986 Dec;60(3):874–9
Epstein–Barr virus gene expression in P3HR1–superinfected Raji cells. Biggin M, et al. **J Virol** 1987 Oct;61(10):3120–32
Herpes simplex virus virion stimulatory protein mRNA leader contains sequence elements which increase both virus–induced transcription and mRNA stability. Blair ED, et al. **J Virol** 1987 Aug;61(8):2499–508
Inhibition of Rous sarcoma virus replication by antisense RNA. Chang LJ, et al. **J Virol** 1987 Mar;61(3):921–4
Identification and mapping of human papillomavirus type 1 RNA transcripts recovered from plantar warts and infected epithelial cell cultures. Chow LT, et al. **J Virol** 1987 Jun; 61(6):1913–8
Hepatitis A virus cDNA and its RNA transcripts are infectious in cell culture. Cohen JI, et al. **J Virol** 1987 Oct; 61(10):3035–9
Vesicular stomatitis virus in Drosophila melanogaster cells: lack of leader RNA transport into the nuclei and frequent abortion of the replication step. Dezélée S, et al. **J Virol** 1987 May;61(5):1391–7
5'–terminal sequences influence the segregation of ground squirrel hepatitis virus RNAs into polyribosomes and viral core particles. Enders GH, et al. **J Virol** 1987 Jan; 61(1):35–41
Selective translation initiation on bicistronic simian virus 40 late mRNA. Grass DS, et al. **J Virol** 1987 Jul;61(7):2331–5
Isolation of novel human retrovirus–related sequences by hybridization to synthetic oligonucleotides complementary to the tRNA(Pro) primer–binding site. Kröger B, et al. **J Virol** 1987 Jul;61(7):2071–5
Characterization of a low–molecular–weight virus–associated (VA) RNA encoded by simian adenovirus type 7 which functionally can substitute for adenovirus type 5 VA RNAI. Larsson S, et al. **J Virol** 1986 Nov;60(2):635–44
Splice acceptor site for the env message of Moloney murine leukemia virus. Lazo PA, et al. **J Virol** 1987 Jun; 61(6):2038–41
Genomic heterogeneity among human and nonhuman strains of hepatitis A virus. Lemon SM, et al. **J Virol** 1987 Mar; 61(3):735–42
Molecular cloning and analysis of three cDNA clones homologous to human cytomegalovirus RNAs present during late infection. Martinez J, et al. **J Virol** 1986 Nov; 60(2):531–8
Three splicing patterns are used to excise the small intron common to all minute virus of mice RNAs. Morgan WR, et al. **J Virol** 1986 Dec;60(3):1170–4
Genome RNA terminus conservation and diversity among vesiculoviruses. Nichol ST, et al. **J Virol** 1987 Jan; 61(1):200–5
Frequent segregation of more–defective variants from a Rous sarcoma virus packaging mutant, TK15. Nishizawa M, et al. **J Virol** 1987 Oct;61(10):3208–13
Analysis of the complete nucleotide sequence of the picornavirus Theiler's murine encephalomyelitis virus indicates that it is closely related to cardioviruses. Pevear DC, et al. **J Virol** 1987 May;61(5):1507–16
Unusual transcripts in La Crosse virus–infected cells and the site for nucleocapsid assembly. Raju R, et al. **J Virol** 1987 Mar;61(3):667–72
Effects of cDNA hybridization on translation of encephalomyocarditis virus RNA. Shih DS, et al. **J Virol** 1987 Jun;61(6):2033–7
Suppression of the translation defect phenotype specific for a virus–associated RNA–deficient adenovirus mutant in monkey cells by simian virus 40. Subramanian S, et al. **J Virol** 1986 Nov;60(2):363–8
Structure and function of bicistronic RNA encoding the phosphoprotein and matrix protein of measles virus. Wong TC, et al. **J Virol** 1987 Feb;61(2):584–9
Molecular cloning of rotavirus genome. Crespi M, et al. **Medicina (B Aires)** 1986;46(6):693–7
A comparison of simian rotavirus SA11 preparations maintained in different laboratories. Pereira HG, et al. **Mem Inst Oswaldo Cruz** 1986 Oct–Dec;81(4):389–93
L–A double–stranded RNA viruslike particle replication cycle in Saccharomyces cerevisiae: particle maturation in vitro and effects of mak10 and pet18 mutations. Fujimura T, et al. **Mol Cell Biol** 1987 Jan;7(1):420–6
Translational control by influenza virus: suppression of the kinase that phosphorylates the alpha subunit of initiation factor eIF–2 and selective translation of influenza viral mRNAs. Katze MG, et al. **Mol Cell Biol** 1986 May; 6(5):1741–50
Translational control mediated by eucaryotic initiation factor–2 is restricted to specific mRNAs in transfected cells. Kaufman RJ, et al. **Mol Cell Biol** 1987 Apr;7(4):1568–71
Use of a novel S1 nuclease RNA–mapping technique to measure efficiency of transcription termination on polyomavirus DNA. Tseng RW, et al. **Mol Cell Biol** 1986 May;6(5):1624–32
The hepatitis delta (delta) virus possesses a circular RNA. Kos A, et al. **Nature** 1986 Oct 9–15;323(6088):558–60
Molecular cloning and sequencing of a human hepatitis delta (delta) virus RNA. Makino S, et al. **Nature** 1987 Sep 24–30; 329(6137):343–6
Translation of equine arteritis virus RNA in rabbit reticulocyte lysates. Iwashita O, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):387–9
Clustered alternative splice sites in Epstein–Barr virus RNAs. Bodescot M, et al. **Nucleic Acids Res** 1987 Jul 24; 15(14):5887
Epstein–Barr virus mRNAs produced by alternative splicing. Bodescot M, et al. **Nucleic Acids Res** 1986 Sep 11; 14(17):7103–14
Nucleotide sequence and newly formed phosphodiester bond of spontaneously ligated satellite tobacco ringspot virus RNA. Buzayan JM, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9729–43
The sequence of a viroid from grapevine closely related to severe isolates of citrus exocortis viroid. García–Arenal F, et al. **Nucleic Acids Res** 1987 May 26;15(10):4203–10
More than 150 nucleotides flanking the initiation codon contribute to the efficiency of the ribosomal binding site from bacteriophage T7 gene 1. Geisen RM, et al. **Nucleic Acids Res** 1987 Jun 25;15(12):4931–43
Structure of secondary cleavage sites of E. coli RNAaseIII in A3t RNA from bacteriophage T7. Gross G, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):431–42
Splice site consensus sequences are preferentially accessible to nucleases in isolated adenovirus RNA. Munroe SH, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8447–65
Double–stranded cucumovirus associated RNA 5: experimental analysis of necrogenic and non–necrogenic variants by temperature–gradient gel electrophoresis. Po T, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5069–83
Double–stranded cucumovirus associated RNA 5: which sequence variations may be detected by optical melting and temperature–gradient gel electrophoresis? Steger G, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5085–103
tRNA–like properties of tobacco rattle virus RNA. van Belkum A, et al. **Nucleic Acids Res** 1987 Apr 10; 15(7):2837–50
Complete nucleotide sequence of an attenuated hepatitis A virus: comparison with wild–type virus. Cohen JI, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2497–501
Herpes simplex virus–infected cells contain a function(s) that destabilizes both host and viral mRNAs. Kwong AD, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1926–30
Engineered defective interfering RNAs of Sindbis virus express bacterial chloramphenicol acetyltransferase in avian cells. Levis R, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4811–5
The lethal yellow allele–associated provirus results in the production of chimeric viral–host RNAs. Lovett M, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2853–7
An Epstein–Barr virus transcript from a latently infected, growth–transformed B–cell line encodes a highly repetitive polypeptide. Speck SH, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9298–302
Segment–specific and common nucleotide sequences in the noncoding regions of influenza B virus genome RNAs. Stoeckle MY, et al. **Proc Natl Acad Sci USA** 1987 May; 84(9):2703–7
Autonomous and helper–dependent small pathogenic RNAs of plants: viroids and satellites. Diener TO. **Prog Clin Biol Res** 1987;234:3–18 (49 ref.)
Efficient packaging of readthrough RNA in ALV: implications for oncogene transduction. Herman SA, et al. **Science** 1987 May 15;236(4803):845–8
New class of animal virus found in virulent form of human hepatitis [news] Lewin R. **Science** 1986 Oct 24; 234(4775):423–4
RNA complementary to a herpesvirus alpha gene mRNA is prominent in latently infected neurons. Stevens JG, et al. **Science** 1987 Feb 27;235(4792):1056–9
Analysis of intracellular small RNAs of mouse hepatitis virus: evidence for discontinuous transcription. Baric RS, et al. **Virology** 1987 Feb;156(2):342–54
A nucleotide sequence rearrangement distinguishes two isolates of satellite tobacco ringspot virus RNA. Buzayan JM, et al. **Virology** 1987 Sep;160(1):95–9
Variation in neutralization epitopes of human rotaviruses in relation to genomic RNA polymorphism. Coulson BS. **Virology** 1987 Aug;159(2):209–16
Identification of putative polymerase gene product in cells infected with murine coronavirus A59. Denison M, et al. **Virology** 1987 Apr;157(2):565–8
Complete nucleotide sequence of the tick–borne, orthomyxo–like Dhori/Indian/1313/61 virus nucleoprotein gene. Fuller FJ, et al. **Virology** 1987 Sep;160(1):81–7
The effect of multiple dispersed copies of the origin–of–assembly sequence from TMV RNA on the morphology of pseudovirus particles assembled in vitro. Gallie DR, et al. **Virology** 1987 Jun;158(2):473–6
Identification and characterization of conserved and variable regions in the neutralization VP2 gene of bluetongue virus. Ghiasi H, et al. **Virology** 1987 Sep;160(1):100–9
Nucleotide sequence and genetic organization of barley stripe mosaic virus RNA gamma. Gustafson G, et al. **Virology** 1987 Jun;158(2):394–406
Nucleotide sequence of RNA segment 7 of influenza B/Singapore/222/79: maintenance of a second large open reading frame. Hiebert SW, et al. **Virology** 1986 Dec; 155(2):747–51
The genomic RNA of diabetogenic encephalomyocarditis virus: characterization and molecular cloning. Jordan GW, et al. **Virology** 1987 Jul;159(1):120–5
Multiple recombination sites at the 5'–end of murine coronavirus RNA. Keck JG, et al. **Virology** 1987 Feb; 156(2):331–41
The genetic relatedness of United States prototype bluetongue viruses by RNA/RNA hybridization. Kowalik TF, et al. **Virology** 1987 Jun;158(2):276–84
Mapping of the large RNA genome segment of infectious pancreatic necrosis virus by hybrid arrested translation. Nagy E, et al. **Virology** 1987 May;158(1):211–7
Identification of the N and NSS proteins coded by the ambisense S RNA of Punta Toro phlebovirus using monospecific antisera raised to baculovirus expressed N and NSS proteins. Overton HA, et al. **Virology** 1987 Apr; 157(2):338–50
Poliovirus temperature–sensitive mutant containing a single nucleotide deletion in the 5'–noncoding region of the viral RNA. Racaniello VR, et al. **Virology** 1986 Dec; 155(2):498–507
Generation of cDNA clones of the bacteriophage phi 6 segmented dsRNA genome: characterization and expression of L segment clones. Revel HR, et al. **Virology** 1986 Dec;155(2):402–17
The primary structure of crossover regions of intertypic poliovirus recombinants: a model of recombination between RNA genomes. Romanova LI, et al. **Virology** 1986 Nov; 155(1):202–13
Complete nucleotide sequence of the M RNA segment of Uukuniemi virus encoding the membrane glycoproteins G1 and G2. Rönnholm R, et al. **Virology** 1987 Sep;

160(1):191–202
Coding strategy of the S genome segment of Hantaan virus. Schmaljohn CS, et al. **Virology** 1986 Dec;155(2):633–43
Hantaan virus M RNA: coding strategy, nucleotide sequence, and gene order. Schmaljohn CS, et al. **Virology** 1987 Mar; 157(1):31–9
The 5'-end sequence of the murine coronavirus genome: implications for multiple fusion sites in leader-primed transcription. Shieh CK, et al. **Virology** 1987 Feb; 156(2):321–30
Synthesis in vitro of infectious RNA copies of the virulent satellite of turnip crinkle virus. Simon AE, et al. **Virology** 1987 Jan;156(1):146–52
Molecular characterization of the genomic S RNA segment from lymphocytic choriomeningitis virus. Southern PJ, et al. **Virology** 1987 Mar;157(1):145–55
Partial nucleotide sequence of St. Louis encephalitis virus RNA: structural proteins, NS1, ns2a, and ns2b. Trent DW, et al. **Virology** 1987 Feb;156(2):293–304
Molecular cloning and sequence analysis of the rinderpest virus mRNA encoding the hemagglutinin protein. Tsukiyama K, et al. **Virology** 1987 Sep;160(1):48–54
Gene expression in adeno-associated virus vectors: the effects of chimeric mRNA structure, helper virus, and adenovirus VA1 RNA. West MH, et al. **Virology** 1987 Sep; 160(1):38–47
Identification of the major cottontail rabbit papillomavirus late RNA cap site and mapping and quantitation of an E2 and minor E6 coding mRNA in papillomas and carcinomas. Wettstein FO, et al. **Virology** 1987 Aug;159(2):321–8
Expression of a cDNA clone corresponding to the long open reading frame (XBL-I) of the bovine leukemia virus. Willems L, et al. **Virology** 1987 Sep;160(1):55–9
Conservative mechanism of the in vitro transcription of killer virus of yeast. Williams TL, et al. **Virology** 1987 May; 158(1):231–4
Cloning full-length dengue type 4 viral DNA sequences: analysis of genes coding for structural proteins. Zhao B, et al. **Virology** 1986 Nov;155(1):77–88
Molecular structure and early events in the replication of Tacaribe arenavirus S RNA. Franze-Fernández MT, et al. **Virus Res** 1987 Jun;7(4):309–24
[Rotavirus infections in childhood: studies using a molecular biology method (gene electrophoresis)] Sprenger-Seige UE, et al. **Helv Paediatr Acta** 1985 Apr;40(1):17–28 (Eng. Abstr.) **(Ger)**
[Expression and replication process of plant viral RNA genomes] Watanabe Y. **Tanpakushitsu Kakusan Koso** 1987 Mar;32(3):214–26 (79 ref.) **(Jpn)**
[Nucleotide sequence of the genome region of the tick-borne encephalitis virus coding for structural virion proteins] Pletnev AG, et al. **Bioorg Khim** 1986 Sep;12(9):1189–202 (Eng. Abstr.) **(Rus)**
[Synthesis and membrane-dependent processing of a precursor of tick-borne encephalitis virus (flavivirus) structural proteins in cell-free systems] Svitkin IuV, et al. **Mol Biol (Mosk)** 1986 Sep–Oct;20(5):1251–63 (Eng. Abstr.) **(Rus)**
[Detection of the tick-borne encephalitis virus in human blood and in individual ticks by molecular nucleic acid hybridization] Dobrikova EIu, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):739–42 **(Rus)**
[Diagnosis of human rotavirus infection by the dot hybridization method] Kras'ko AG, et al. **Vopr Virusol** 1987 Mar–Apr;32(2):208–12 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Detection of bovine herpesvirus type 1 RNA in trigeminal ganglia of latently infected rabbits by in situ hybridization. Rock DL, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2515–20
A new method for extracting circular and supercoiled genome segments from cytoplasmic polyhedrosis virus. Yazaki K, et al. **J Virol Methods** 1986 Nov;14(3–4):275–83
Occurrence and transfection of a Giardia virus. De Jonckheere JF, et al. **Mol Biochem Parasitol** 1987 Feb; 23(1):85–9
Probing for the human coronavirus OC43 in multiple sclerosis. Sorensen O, et al. **Neurology** 1986 Dec; 36(12):1604–6
Separation of viroid RNAs by cellulose chromatography indicating conformational distinctions. Semancik JS. **Virology** 1986 Nov;155(1):39–45
[Mycoviruses associated with the killer character in yeasts] Martín I, et al. **Microbiol Esp** 1986 Jan–Dec;39(1–4):23–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Isolation and characterization of nucleoprotein assembly intermediates of tobacco mosaic virus. Godchaux W 3d, et al. **Biochemistry** 1987 Jan 27;26(2):454–61
RNA binding site of R17 coat protein. Romaniuk PJ, et al. **Biochemistry** 1987 Mar 24;26(6):1563–8
Nuclear non-polyadenylated RNAs containing the first intervening sequence of the major late premessenger RNA from adenovirus-2: characterization and distribution in ribonucleoproteins. Gerst C, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):251–62
Translational regulation of SV40 early mRNA defines a new viral protein. Khalili K, et al. **Cell** 1987 Feb 27;48(4):639–45
The mechanism of RNA recombination in poliovirus. Kirkegaard K, et al. **Cell** 1986 Nov 7;47(3):433–43
Adenovirus VAI RNA complexes with the 68 000 Mr protein kinase to regulate its autophosphorylation and activity. Katze MG, et al. **EMBO J** 1987 Mar;6(3):689–97
Inhibition of methylation at two internal N6-methyladenosine sites caused by GAC to GAU mutations. Kane SE, et al. **J Biol Chem** 1987 Mar 5; 262(7):3422–7
Surface structure and RNA-protein interactions of foot-and-mouth disease virus. Morrell DJ, et al. **J Gen Virol** 1987 Jun;68 (Pt 6):1649–58
Contact areas of the turnip yellow mosaic virus tRNA-like structure interacting with yeast valyl-tRNA synthetase. Florentz C, et al. **J Mol Biol** 1986 Sep 5;191(1):117–30
Mutations of bacteriophage lambda that define independent but overlapping RNA processing and transcription termination sites. Montañez C, et al. **J Mol Biol** 1986 Sep 5;191(1):29–37
Adenovirus proteins associated with mRNA and hnRNA in infected HeLa cells. Adam SA, et al. **J Virol** 1987 Oct; 61(10):3276–83
Rous sarcoma virus nucleic acid-binding protein p12 is necessary for viral 70S RNA dimer formation and packaging. Méric C, et al. **J Virol** 1986 Nov;60(2):450–9
Influenza virus gene expression: control mechanisms at early and late times of infection and nuclear-cytoplasmic transport of virus-specific RNAs. Shapiro GI, et al. **J Virol** 1987 Mar;61(3):764–73
Localization of Epstein-Barr virus-encoded small RNAs by in situ hybridization. Howe JG, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):9006–10
Reduced steady-state levels of vaccinia virus-specific early mRNAs in interferon-treated chick embryo fibroblasts. Grün J, et al. **Virology** 1987 May;158(1):28–33
The fates of undermethylated mRNA cap structures of vesicular stomatitis virus (New Jersey) during in vitro transcription. Hammond DC, et al. **Virology** 1987 Aug; 159(2):229–36

PHYSIOLOGY

The 5'-leader sequence of tobacco mosaic virus RNA enhances the expression of foreign gene transcripts in vitro and in vivo. Gallie DR, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3257–73
A small viral RNA is required for in vitro packaging of bacteriophage phi 29 DNA. Guo PX, et al. **Science** 1987 May 8;236(4802):690–4
Intracellular stability of the interfering activity of a defective interfering influenza virus in the absence of virus multiplication. Cane C, et al. **Virology** 1987 Aug; 159(2):259–64
The two segments of the infectious bursal disease virus genome are circularized by a 90,000-Da protein. Müller H, et al. **Virology** 1987 Jul;159(1):174–7

RADIATION EFFECTS

[Formation of protein cross-links and breaks in the polynucleotide chain of tobacco mosaic virus RNA in situ after exposure to high-intensity pico-second laser UV-irradiation] Arbieva ZKh, et al. **Dokl Akad Nauk SSSR** 1987 Jan–Feb;292(1):227–30 **(Rus)**

ULTRASTRUCTURE

Sequences conserved in the defective interfering RNAs of Semliki Forest virus: an electron microscopic heteroduplex analysis. Alanen M, et al. **Hereditas** 1987;106(1):19–29

RNA VIRUSES

Transmissibility and abortogenic effect of equine viral arteritis in mares. Cole JR, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):769–71

ANALYSIS

The capsid polypeptides of the 190S virus of Helminthosporium victoriae. Ghabrial SA, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1791–800
The peplomers of Berne virus. Horzinek MC, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2475–83
Structure and assembly of turnip crinkle virus. I. X-ray crystallographic structure analysis at 3.2 A resolution. Hogle JM, et al. **J Mol Biol** 1986 Oct 20;191(4):625–38

CLASSIFICATION

The dianthoviruses: a distinct group of isometric plant viruses with bipartite genome. Hiruki C. **Adv Virus Res** 1987; 33:257–300 (60 ref.)
The proposed family Toroviridae: agents of enteric infections. Brief review. Weiss M, et al. **Arch Virol** 1987; 92(1–2):1–15 (21 ref.)
A new family of vertebrate viruses: Toroviridae. Horzinek MC, et al. **Intervirology** 1987;27(1):17–24

ENZYMOLOGY

Initiation by the yeast viral transcriptase in vitro. Nemeroff ME, et al. **J Biol Chem** 1987 May 15;262(14):6785–7

GENETICS

Cryptic plant viruses. Boccardo G, et al. **Adv Virus Res** 1987; 32:171–214 (65 ref.)
Self-cleavage of virusoid RNA is performed by the proposed 55-nucleotide active site. Forster AC, et al. **Cell** 1987 Jul 3;50(1):9–16
Trichomonas vaginalis phenotypic variation occurs only among trichomonads infected with the double-stranded RNA virus. Wang A, et al. **J Exp Med** 1987 Jul 1; 166(1):142–50
A physical map of the viral genome for infectious pancreatic necrosis virus Sp: analysis of cell-free translation products derived from viral cDNA clones. Huang MT, et al. **J Virol** 1986 Dec;60(3):1002–11
Occurrence and transfection of a Giardia virus. De Jonckheere JF, et al. **Mol Biochem Parasitol** 1987 Feb; 23(1):85–9
Three different M1 RNA-containing viruslike particle types in Saccharomyces cerevisiae: in vitro M1 double-stranded RNA synthesis. Esteban R, et al. **Mol Cell Biol** 1986 May; 6(5):1552–61
Virus-encoded toxin of Ustilago maydis: two polypeptides are essential for activity. Peery T, et al. **Mol Cell Biol** 1987 Jan;7(1):470–7
Translation of equine arteritis virus RNA in rabbit reticulocyte lysates. Iwashita O, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):387–9
Complete nucleotide sequence of the tick-borne, orthomyxo-like Dhori/Indian/1313/61 virus nucleoprotein gene. Fuller FJ, et al. **Virology** 1987 Sep;160(1):81–7
Conservative mechanism of the in vitro transcription of killer virus of yeast. Williams TL, et al. **Virology** 1987 May; 158(1):231–4

GROWTH & DEVELOPMENT

Structure and assembly of turnip crinkle virus. II. Mechanism of reassembly in vitro. Sorger PK, et al. **J Mol Biol** 1986 Oct 20;191(4):639–58

IMMUNOLOGY

Responses of horses vaccinated with avirulent modified-live equine arteritis virus propagated in the E. Derm (NBL-6) cell line to nasal inoculation with virulent virus. McCollum WH. **Am J Vet Res** 1986 Sep;47(9):1931–4
Serologic survey of viral antibodies in the Peruvian alpaca (Lama pacos). Rivera H, et al. **Am J Vet Res** 1987 Feb; 48(2):189–91
"In vitro" study on human mononuclear phagocytic cells behaviour versus DNA and RNA viruses. Mastroeni P, et al. **G Batteriol Virol Immunol** 1985 Jul–Dec; 78(7–12):262–73
Detection of Breda virus antigen and antibody in humans and animals by enzyme immunoassay. Brown DW, et al. **J Clin Microbiol** 1987 Apr;25(4):637–40
Identification and antigenic comparison of equine arteritis virus isolated from an outbreak of epidemic abortion of mares. Golnik W, et al. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):413–7

ISOLATION & PURIFICATION

Breda and Breda-like viruses: diagnosis, pathology and epidemiology. Woode GN. **Ciba Found Symp** 1987; 128:175–91
Discovery of a specific double-stranded RNA virus in Giardia lamblia. Wang AL, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):269–76
Thermolabile L-A virus-like particles from pet18 mutants of Saccharomyces cerevisiae. Fujimura T, et al. **Mol Cell Biol** 1986 Feb;6(2):404–10
Demonstration of the carrier state in naturally acquired equine arteritis virus infection in the stallion. Timoney PJ, et al. **Res Vet Sci** 1986 Sep;41(2):279–80

PHYSIOLOGY

Persistence of RNA viruses in the central nervous system. Kristensson K, et al. **Annu Rev Microbiol** 1986;40:159–84 (123 ref.)
The haemagglutinating activity of Berne virus. Zanoni R, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2485–8

ULTRASTRUCTURE

Toroviridae: a proposed new family of enveloped RNA viruses. Horzinek MC, et al. **Ciba Found Symp** 1987; 128:162–74

RNASE see **RIBONUCLEASES**

RNASE A see **RIBONUCLEASE, PANCREATIC**

RO 07-0582 see **MISONIDAZOLE**

RO 10-9359 see **ETRETINATE**

RO 15-1788 see **FLUMAZEPIL**

RO 20-1724 see under **IMIDAZOLES**

RO 22-8181 see **INTERFERON TYPE I**

ROBENIDINE see under **GUANIDINES**

ROBOTICS

Computer advances towards the realization of a cybernated health-science diagnostic system [editorial] Lesse S. **Am J Psychother** 1986 Jul;40(3):321–3

Exploring user acceptance of a robotic arm: an aesthetic orientation. Apostolos MK. **J Am Paraplegia Soc** 1985 Jul; 8(3):51–4

Science and the three laws of robotics: a view of science, medicine, and ethics. van Eys J. **Pharos** 1986 Fall; 49(4):30–2

Neuronal coding and robotics. Whitney DE. **Science** 1987 Jul 17;237(4812):300–2

[Laboratory automation for analysis of solid pharmaceuticals. Precision of automated analysis by a laboratory robot system] Katori N, et al. **Eisei Shikenjo Hokoku** 1986; (104):25–30 (Eng. Abstr.) **(Jpn)**

[The gait of robots] Nakano K. **Nippon Rinsho** 1987 Feb; 45(2):339–44 (4 ref.) **(Jpn)**

ECONOMICS

Robots move supplies for less money and labor. Wilkinson R, et al. **Hospitals** 1986 Dec 5;60(23):70

INSTRUMENTATION

Application of robotics to stereotactic neurosurgery. Young RF. **Neurol Res** 1987 Jun;9(2):123–8

ROCKY MOUNTAIN SPOTTED FEVER

Boutonneuse fever and Rocky Mountain spotted fever are not alike [letter] Rosales SV, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):426–7

BLOOD

Acquired coagulation inhibitor in association with Rocky Mountain spotted fever. With a review of other acquired coagulation inhibitors. Scimeca PG, et al. **Clin Pediatr (Phila)** 1987 Sep;26(9):459–63

COMPLICATIONS

Rocky Mountain spotted fever and sensory neuropathy. Ahern TS, et al. **J Tenn Med Assoc** 1986 Dec;79(12):753–4

Tardive dyskinesia due to Rocky Mountain spotted fever: case report. Scott T, et al. **Va Med** 1987 Jul;114(7):417–9

DIAGNOSIS

Sensitivity of various serologic tests for RMSF [letter] Hechemy KE. **Am J Trop Med Hyg** 1987 Jul;37(1):205–6

Heterophile antibodies and the diagnosis of Rocky Mountain spotted fever. Bluestein D. **J Fam Pract** 1987 May; 24(5):529–30

DRUG THERAPY

Israeli rickettsial spotted fever in children. A review of 54 cases. Gross EM, et al. **Acta Trop (Basel)** 1987 Mar; 44(1):91–6

HISTORY

A 1759 spotted fever epidemic in North Carolina. Tigertt WD. **J Hist Med Allied Sci** 1987 Jul;42(3):296–304

OCCURRENCE

Prevalence and distribution of spotted fever and typhus infections in Sierra Leone and Ivory Coast. Redus MA, et al. **Int J Zoonoses** 1986 Jun;13(2):104–11

Tickborne diseases in Georgia, 1986. **J Med Assoc Ga** 1987 Jul;76(7):493, 530

Leads from the MMWR. Rocky Mountain spotted fever—United States, 1986. **JAMA** 1987 Jul 3;258(1):25–6

Rocky Mountain spotted fever—United States, 1986. **MMWR** 1987 May 29;36(20):314–5

A serological survey of scrub, tick, and endemic typhus in Sabah, East Malaysia. Taylor AC, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):613–9

PATHOLOGY

Rocky mountain spotted fever: hepatic lesions in childhood cases. Jackson MD, et al. **Pediatr Pathol** 1986;5(3–4):379–88

PHYSIOPATHOLOGY

Rocky Mountain spotted fever manifested by cerebritis and pneumonitis. Garg P, et al. **Md Med J** 1987 Apr;36(4):343–5

PREVENTION & CONTROL

Cloned gene of Rickettsia rickettsii surface antigen: candidate vaccine for Rocky Mountain spotted fever. McDonald GA, et al. **Science** 1987 Jan 2;235(4784):83–5

TRANSMISSION

Natural history of Rickettsia rickettsii. McDade JE, et al. **Annu Rev Microbiol** 1986;40:287–309 (92 ref.)

ROD OUTER SEGMENTS see under **RODS AND CONES**

RODENT CONTROL

see related
RODENTICIDES

Effects of alpha-chlorohydrin on the reproductive organs of the male bandicoot rat (Bandicota bengalensis). Shinha Hikim AP. **Acta Eur Fertil** 1986 Jul–Aug;17(4):301–6

Profile of local authority pest officers. Thomas HF, et al. **J R Soc Health** 1986 Dec;106(6):204–6

METHODS

Effect of Glyzophrol on fertility of female black rats (Rattus rattus). Rani S, et al. **Acta Eur Fertil** 1986 Jul–Aug; 17(4):293–6

[Control of harmful mammals] van Eerdenburg FJ, et al. **Tijdschr Diergeneeskd** 1987 Jul 15;112(14):857–64 (Eng. Abstr.) **(Dut)**

[Technical sanitary measures for limiting the numbers of rodents with epidemiological importance in the Far North] Shilova SA, et al. **Gig Sanit** 1986 Jul;(7):73–4 **(Rus)**

RODENT DISEASES

Epidermoid cysts in the central nervous system of mice. Nobel TA, et al. **J Comp Pathol** 1987 May;97(3):357–9

Kyphosis in the marsh rice rat (Oryzomys palustris). Webster WD. **J Wildl Dis** 1987 Jan;23(1):171–2

Cryptosporidiosis and proliferative ileitis in a hamster. Davis AJ, et al. **Vet Pathol** 1986 Sep;23(5):632–3

Unusual 'growth' in a hamster [letter] Ashworth DW. **Vet Rec** 1987 Jun 13;120(24):583–4

Rectal prolapse in hamsters [letter] Shaw JM, et al. **Vet Rec** 1987 Apr 11;120(15):375

Multiple tumours in the brain of a male Han: SPRD rat. Kaspareit J, et al. **Z Versuchstierkd** 1986;28(6):282–3

CHEMICALLY INDUCED

In utero morphological effects of hydroxyurea on the fetal development in Sprague–Dawley rats. Asano Y, et al. **Jikken Dobutsu** 1987 Apr;36(2):143–9

Severe nephrosis by application of pesticides in a mice breeding unit. Karasek E, et al. **Z Versuchstierkd** 1986; 28(6):251–6

DIAGNOSIS

Differential diagnosis of hydronephrosis types I and II in rats by echography. Suzuki K, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):543–6

DRUG THERAPY

Salmonella ochiogu: experimental infection of laboratory mice and oxytetracycline therapy. Onyekaba CO, et al. **Lab Anim** 1986 Oct;20(4):325–8

[Oxyurid infestation of small laboratory animals and its control with ivermectin] Hasslinger MA, et al. **Tierarztl Prax** 1987;15(1):93–7 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Spontaneous neoplastic and non-neoplastic lesions in aging Donryu rats. Maekawa A, et al. **Jpn J Cancer Res** 1986 Sep;77(9):882–90

FAMILIAL & GENETIC

Origins of pathogenic anti-DNA idiotypes in the NZB X SWR model of lupus nephritis. Datta SK, et al. **Ann NY Acad Sci** 1986;475:47–58 (77 ref.)

Genetic basis for Ia positivity and susceptibility to lactic dehydrogenase virus in macrophages of SJL/J mice. Inada T, et al. **Arch Virol** 1987;92(1–2):77–85

Differential effects of riboflavin and RRR-alpha-tocopheryl acetate on the survival of newborn RCS rats with inheritable retinal degeneration. Eckhert CD. **J Nutr** 1987 Jan;117(1):208–11

[Breeding and growth of the inbred strain of seizure-prone Mongolian gerbils (Meriones unguiculatus)] Matsuoka K, et al. **Jikken Dobutsu** 1987 Jan;36(1):83–6 (Eng. Abstr.) **(Jpn)**

[A recessive mutant causing testicular/ovarian teratoma in rats (Tera strain)] Miwa M, et al. **Jikken Dobutsu** 1987 Apr;36(2):205–8 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Factors influencing susceptibility of laboratory rodents to infection with mouse adenovirus strains K 87 and FL. Brief report. Smith AL, et al. **Arch Virol** 1987;95(1–2):143–8

Comparison of serological tests for the detection of antibody to natural and experimental murine cytomegalovirus. Lussier G, et al. **Can J Vet Res** 1987 Apr;51(2):249–52

Serological surveys of Corynebacterium kutscheri infection in mice and rats. Suzuki E, et al. **Jikken Dobutsu** 1986 Oct; 35(4):485–9

Susceptibility of inbred Syrian golden hamsters (Mesocricetus auratus) to lethal disease by lymphocytic choriomeningitis virus. Genovesi EV, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):250–61

METABOLISM

Metabolism of mutagens and carcinogens in woodchuck liver and its relationship with hepatitis virus infection. De Flora S, et al. **Cancer Res** 1987 Aug 1;47(15):4052–8

[Metabolism of C14-labelled urea in conventional, germ-free and specifically associated rats] Juhr NC, et al. **Z Versuchstierkd** 1987;29(3–4):157–64 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Comparative study of Treponema strains isolated from swine and nutria. Molnár L. **Acta Vet Hung** 1986;34(3–4):129–35

Experimental infection of the squirrel (Sciurus vulgaris) and the muskrat (Ondatra zibethica) with Tahyňa virus (California group, Bunyaviridae). Rödl P, et al. **Folia Parasitol (Praha)** 1987;34(2):189–91

New infectious spirochete isolated from short-tailed shrews and white-footed mice. Anderson JF, et al. **J Clin Microbiol** 1987 Aug;25(8):1490–4

Investigations of the pathogenicity of Salmonella enteritidis serotype Amsterdam following a naturally occurring infection in rats. Seps SL, et al. **Lab Anim Sci** 1987 Jun; 37(3):326–30

[Isolation of Leptospira in conventional animals, Mus musculus (albino variety) obtained from a traditional breeding center] García MJ, et al. **Rev Cubana Med Trop** 1985 Sep–Dec;37(3):341–7 (Eng. Abstr.) **(Spa)**

MORTALITY

Spontaneous mortality and incidence of spontaneous tumours in Han: CHIN hamsters. Deerberg F, et al. **Z Versuchstierkd** 1987;29(3–4):129–43

[Spontaneous diseases as limiting factors in the life expectancy of laboratory rats] Deerberg F, et al. **DTW** 1987 Feb 9;94(2):53–5 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Occurrence and distribution of Hantavirus in wild living mammals in Belgium. Verhagen R, et al. **Acta Virol (Praha)** 1987 Jan;31(1):43–52

Influence of body weight on the incidence of spontaneous tumors in rats and mice of long-term studies. Rao GN, et al. **Am J Clin Nutr** 1987 Jan;45(1 Suppl):252–60

Ecological and epidemiological data on Hantavirus in bank vole populations in Belgium. Verhagen R, et al. **Arch Virol** 1986;91(3–4):193–205

Natural focality of zoonotic cutaneous leishmaniasis in the Mongolian People's Republic; results and objectives of integrated research. Neronov VM, et al. **Folia Parasitol (Praha)** 1987;34(1):1–9

To the knowledge of the common hamster (Cricetus cricetus Linné, 1758; Rodentia) as host of leptospirosis in Czechoslovakia. Sebek Z, et al. **Folia Parasitol (Praha)** 1987;34(2):97–105

Helminth communities in small mammals in southeastern New South Wales. Spratt DM. **Int J Parasitol** 1987 Feb; 17(1):197–202

Investigation of possible rabies reservoirs in rodents in Nigeria. Okoh AE. **Int J Zoonoses** 1986 Mar;13(1):1–5

Prevalence of Borrelia burgdorferi in white-footed mice and Ixodes dammini at Fort McCoy, Wis. Anderson JF, et al. **J Clin Microbiol** 1987 Aug;25(8):1495–7

Seasonal prevalence of Borrelia burgdorferi in natural populations of white-footed mice, Peromyscus leucopus. Anderson JF, et al. **J Clin Microbiol** 1987 Aug;25(8):1564–6

The seasonal variation of infestation rate with Xenopsylla cheopis among R. norvegicus in Qaluobiya Governorate (Egypt). Aboul-Ela RG, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):125–33

Rodents as reservoir of zoonotic intestinal helminths in Suez Canal Zone with the possible immunological changes. el Gindy MS, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):259–73

Protozoal infections in rodents in Sharkiya Governorate. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):275–9

Helminthic infections in rodents in Sharkiya Governorate. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):281–8

Human penicilliosis marneffei and its relation to the bamboo rat (Rhizomys pruinosus). Deng ZL, et al. **J Med Vet Mycol** 1986 Oct;24(5):383–9

Trichinella from rats in central Italy. Pozio E. **J Parasitol** 1986 Oct;72(5):800–1

Spontaneous tumors in F344/DuCrj rats from 12 control groups of chronic and oncogenicity studies. Maita K, et al. **J Toxicol Sci** 1987 May;12(2):111–26

Parasitism by helminths in the grey-sided vole (Clethrionomys rufocanus) in northern Finland: influence of density, habitat and sex of the host. Haukisalmi V, et al. **J Wildl Dis** 1987 Apr;23(2):233–41

Epizootiological studies of Salmonella typhimurium infection in guinea pigs. Iijima OT, et al. **Jikken Dobutsu** 1987 Jan; 36(1):39–49

Spontaneous endometrial tumours of 'Sabra' rats. Mor N, et al. **Lab Anim** 1986 Oct;20(4):316–20

Ground squirrel hepatitis virus (GSHV) infection and hepatocellular carcinoma in the Canadian Richardson ground squirrel (Spermophilus richardsonii). Minuk GY, et al. **Liver** 1986 Dec;6(6):350–6

Leishmania infecting man and wild animals in Saudi Arabia. 3. Leishmaniasis in Psammomys obesus Cretzschmar in Al-Ahsa oasis. Elbihari S, et al. **Trop Med Parasitol** 1987

Jun;38(2):89–92

Control of an outbreak of wet-tail in a closed colony of hamster (Mesocricetus auratus). McNeil PE, et al. **Vet Rec** 1986 Sep 13;119(11):272–3

The prevalence and significance of Borrelia burgdorferi in the urine of feral reservoir hosts. Bosler EM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):40–4

[Epidemiologic evaluation of a sample of 91 rats (Rattus norvegicus) captured in the sewers of Lyon] Seguin B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):539–46 (Eng. Abstr.) **(Fre)**

[The occurrence of bacterial infections in swamp beavers (Myocaster coypus Molina, 1782). 2. Erysipelothrix rhusiopathiae infections] Köhler B, et al. **Arch Exp Veterinarmed** 1987 May;41(3):442–6 (Eng. Abstr.) **(Ger)**

[The occurrence of bacterial infections in swamp beavers (Myocastor coypus Molina, 1782). 1. Salmonella infections] Wendland B, et al. **Arch Exp Veterinarmed** 1987 May; 41(3):420–33 (Eng. Abstr.) **(Ger)**

[Studies on tsutsugamushi disease in Gifu Prefecture. 3. Seasonal fluctuation in positive rates of Rickettsia tsutsugamushi in wild rodents and number of patients] Kasuya S, et al. **Kansenshogaku Zasshi** 1986 Sep; 60(9):1022–6 (Eng. Abstr.) **(Jpn)**

[Features of the development of natural foci of multilocular echinococcosis in Western Kazakhstan] Shalkenov BSh. **Med Parazitol (Mosk)** 1987 May–Jun;(3):73–6 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Life cycle of Ixodes (Afrixodes) aulacodi (Acari: Ixodidae) in the laboratory. Ntiamoa-Baidu Y. **J Med Entomol** 1987 Jul;24(4):444–7

Rhipicephalus simpsoni (Acari: Ixodidae) development under controlled conditions. Ntiamoa-Baidu Y. **J Med Entomol** 1987 Jul;24(4):438–43

Influence of host size on louse densities on eastern chipmunks (Tamias striatus). Durden LA. **J Parasitol** 1987 Apr; 73(2):426–7

Eimeria albigulae and E. ladronensis: new host records from the bushy-tailed woodrat, Neotoma cinerea, from Utah. Marchiondo AA, et al. **J Parasitol** 1987 Apr;73(2):421–2

Ultrastructure of Sarcocystis spp. (Protozoa: Apicomplexa) in rodents from North Sulawesi and West Java, Indonesia. O'Donoghue PJ, et al. **J Wildl Dis** 1987 Apr;23(2):225–32

A case report of cysticercosis caused by Cysticercus longicollis, a larval form of Taenia crassiceps in a woodchuck (Marmota monax). Shiga J, et al. **Jikken Dobutsu** 1987 Apr;36(2):213–7

Seasonal and age distributions of Babesia, Hepatozoon, Trypanosoma and Grahamella species in Clethrionomys glareolus and Apodemus sylvaticus populations. Turner CM. **Parasitology** 1986 Oct;93 (Pt 2):279–89

The life cycle of Brachylaima ruminae n. sp. (Trematoda: Brachylaimidae), a parasite of rodents. Mas-Coma S, et al. **Z Parasitenkd** 1986;72(6):739–53

[Parasites in East Germany. 8. Helminths of Ondatra zibethica] Schuster R. **Angew Parasitol** 1987 Mar;28(1):21–5 (Eng. Abstr.) **(Ger)**

[Echinostoma echinatum, Notocotylus noyeri and Quinqueserialis quinqueserialis as unusual parasites of Rattus norvegicus] Schuster R. **Angew Parasitol** 1986 Nov; 27(4):221–5 (Eng. Abstr.) **(Ger)**

[Sarcoptic scabies in capybaras (Hydrochoerus hidrochaeris L.). Study under scanning electron microscopy] Rivera MA, et al. **Acta Cient Venez** 1986;37(1):89–91 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Long-term evolution of BCG- and CFA-induced granulomas in rat lungs. Correlation of histologic features with cells in bronchoalveolar lavage samples. Chang JC, et al. **Am J Pathol** 1986 Oct;125(1):16–27

The mutant mdx: inherited myopathy in the mouse. Morphological studies of nerves, muscles and end-plates. Torres LF, et al. **Brain** 1987 Apr;110 (Pt 2):269–99

Coxsackievirus B3 murine myocarditis: a pathologic spectrum of myocarditis in genetically defined inbred strains. Herskowitz A, et al. **J Am Coll Cardiol** 1987 Jun; 9(6):1311–9

Vacuolar degeneration of the cochlea in young rats. Braniš M, et al. **J Comp Pathol** 1987 Jan;97(1):91–4

Malignant phaeochromocytoma with widespread metastasis in the rat. Majeed SK, et al. **J Comp Pathol** 1986 Sep; 96(5):575–80

Leiomyoma of the iris in a Sprague-Dawley rat. Owen RA, et al. **J Comp Pathol** 1987 Mar;97(2):227–9

Benign testicular hyperplasia in Mongolian gerbils (Meriones unguiculatus). Ninomiya H, et al. **Jikken Dobutsu** 1987 Apr; 36(2):191–4

Spontaneous thyroid follicular adenoma in a laboratory mouse (Mus musculus). Onyekaba CO. **Jikken Dobutsu** 1986 Oct;35(4):471–3

Pathology of degenerative osteoarthrosis of the thoracic vertebrae in rats. Yamasaki K. **Jikken Dobutsu** 1986 Jul; 35(3):245–8

Interstitial pneumonia in guinea pigs. Yamasaki K, et al. **Jikken Dobutsu** 1986 Jul;35(3):345–6

Ependymoma in a rat. Yamasaki K, et al. **Jikken Dobutsu** 1986 Oct;35(4):509–10

Degenerative osteoarthrosis in aged ICR mice. Yamasaki K. **Jikken Dobutsu** 1986 Oct;35(4):417–20

Mouse strain difference in bile duct lesions induced by swine serum injections. Imaoka K, et al. **Lab Anim** 1986 Oct; 20(4):321–4

Posterior paralysis due to spontaneous oligodendroglioma in the spinal cord of a rat. Adams SW, et al. **Lab Anim Sci** 1987 Jun;37(3):345–7

Malignant hibernoma in a Fischer 344 rat. Stefanski SA, et al. **Lab Anim Sci** 1987 Jun;37(3):347–50

Spontaneous renal pelvic tumor in an aged rat. Kawai Y, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):515–8

Spontaneous tumors of the central nervous system of Fischer 344/DuCrj rats. Yamate J, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):67–75

Pathology of acute Leptospira interrogans serotype icterohaemorrhagiae infection in the Syrian hamster. van den Ingh TS, et al. **Vet Microbiol** 1986 Nov;12(4):367–76

Ovarian choriocarcinoma in the mouse. Alison RH, et al. **Vet Pathol** 1987 May;24(3):226–30

Effect of diet or reproductive status on the histology of spontaneous pituitary tumors in female Wistar rats. Berry PH. **Vet Pathol** 1986 Sep;23(5):610–8

Segmental degeneration of the epididymis in aged F344 rats. Cardy RH. **Vet Pathol** 1987 Jul;24(4):361–3

Spontaneous basophilic hypertrophic foci of the parotid glands in rats and mice. Chiu T, et al. **Vet Pathol** 1986 Sep;23(5):606–9

Pathologic features of abdominal and thoracic paragangliomas in F344/N rats. Hall LB, et al. **Vet Pathol** 1987 Jul;24(4):315–22

Reproductive failure associated with cystic rete ovarii in guinea pigs. Keller LS, et al. **Vet Pathol** 1987 Jul; 24(4):335–9

Immunohistochemical and electron microscopic study of meningeal granular cell tumors in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jul;24(4):356–9

Evaluation by scoring and computerized morphometry of lesions of early Mycoplasma pulmonis infection and ammonia exposure in F344/N rats [published erratum appears in Vet Pathol 1986 Nov;23(6):785] Pinson DM, et al. **Vet Pathol** 1986 Sep;23(5):550–5

Spontaneous nonneoplastic gastric lesions in female Han:NMRI mice, and influence of food restriction throughout life. Rehm S, et al. **Vet Pathol** 1987 May; 24(3):216–25

Histochemical and proliferative changes preceding the onset of spontaneous gastric adenocarcinoma in Mastomys natalensis. Tielemans Y, et al. **Virchows Arch [A]** 1987; 411(3):275–81

Campylobacteriosis in golden hamsters (Mesocricetus auratus). Jelínek F, et al. **Z Versuchstierkd** 1986; 28(4):167–71

Spontaneous pathology of the European hamster (Cricetus cricetus). Malocclusion, dysplastic and inflammatory processes on the jaws. Kunstýř I, et al. **Z Versuchstierkd** 1987;29(3–4):171–80

Glomerular lesions in MRL mice. A light and immunofluorescence microscopic study. Hewicker M, et al. **Zentralbl Veterinarmed [B]** 1986 Dec;33(10):727–39

Histopathological and electron microscopical studies in Litomosoides carinii infected Mastomys natalensis. Zahner H, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):51–66

[Spontaneous tumors in the endocrine system of 2-year-old rats derived from the Wistar strain] Dušková J. **Cesk Patol** 1987 Mar;23(1):48–54 (Eng. Abstr.) **(Cze)**

[Spontaneous nephroblastomas in rats] Gialamas J, et al. **Z Versuchstierkd** 1987;29(1–2):65–9 (Eng. Abstr.) **(Ger)**

[Spontaneous calcification in F344/Slc and F344/JCL rats] Imai S, et al. **Jikken Dobutsu** 1986 Oct;35(4):521–5 (Eng. Abstr.) **(Jpn)**

[Pathological study on nephrocalcinosis in Fischer 344/Du Crj rats] Iwata H, et al. **Jikken Dobutsu** 1986 Jul; 35(3):299–305 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Impairment of the cortical and thalamic electrical activity in scrapie-infected rats. Bassant MH, et al. **Electroencephalogr Clin Neurophysiol** 1987 Mar; 66(3):307–16

Effects of the protozoan parasite Sarcocystis rauschorum on open-field behaviour of its intermediate vertebrate host, Dicrostonyx richardsoni. Quinn SC, et al. **J Parasitol** 1987 Apr;73(2):265–71

[Fundamental study on ataxic mice (wriggle mouse Sagami)] Matsui K, et al. **Jikken Dobutsu** 1987 Apr;36(2):185–9 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Field trial of vaccination against American trypanosomiasis (Chagas' disease) in domestic guinea pigs. Basombrío MA, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):57–62

THERAPY

Veterinary care of rodents and lagomorphs. Cooper JE. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:98S–103S

TRANSMISSION

Transmission of mouse thymic virus. St-Pierre Y, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1173–6

Amphotropic proviral envelope sequences are absent from the Mus germ line. O'Neill RR, et al. **J Virol** 1987 Jul; 61(7):2225–31

Experimental infection and horizontal transmission of Modoc virus in deer mice (Peromyscus maniculatus). Fairbrother A, et al. **J Wildl Dis** 1987 Apr;23(2):179–85

Experimental transmission of Sarcocystis muriviperae n. sp. to laboratory mice by sporocysts from the Palestinian viper (Vipera palaestinae): a light and electron microscope study. Matuschka FR. et al. **Parasitol Res** 1987;73(1):33–40

Rabies in the State of São Paulo: the rodents question. Summa ME, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan–Feb; 29(1):53–8

RODENTIA

Investigation of possible rabies reservoirs in rodents in Nigeria. Okoh AE. **Int J Zoonoses** 1986 Mar;13(1):1–5

Experiences with the identification of small rodents. Honma M, et al. **Jikken Dobutsu** 1986 Jul;35(3):347–52

Heavy metals in small mammals in roadside environments: implications for food chains. Scanlon PF. **Sci Total Environ** 1987 Jan;59:317–23

[Practical aspects in grass-cutter breeding (Thryonomys swinderianus). I. Mating procedures and length of gestation] Mensah GA, et al. **Rev Elev Med Vet Pays Trop** 1986;39(2):239–42 (Eng. Abstr.) **(Fre)**

[Ear tattooing technic for the individual marking of small white rodents] Klimisch HJ. **Z Versuchstierkd** 1986; 28(6):277–81 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Comparative anatomical study of the carotid circulation in gundis, with implications for their evolutionary history. Bugge J. **Acta Anat (Basel)** 1987;128(1):33–8

Comparative anatomy of the retino-hypothalamic tract in photoperiodic and non-photoperiodic rodents. Youngstrom TG, et al. **Brain Res Bull** 1986 Oct;17(4):485–92

The lumbrical muscles of manus and pes in coypu. Langenfeld M. **Folia Morphol (Warsz)** 1986;45(3):247–51

Allometry of the limb long bones of insectivores and rodents. Bou J, et al. **J Morphol** 1987 May;192(2):113–23

Comparative morphology and evolution of cheek pouches in rodents. Ryan JM. **J Morphol** 1986 Oct;190(1):27–41

A light and electron microscopic study of the pineal gland of the viscacha (Lagostomus maximus maximus). Domínguez S, et al. **J Pineal Res** 1987;4(2):211–9

BLOOD

Haematological correlates of burrowing in Ctenomys. Busch C. **Comp Biochem Physiol [A]** 1987;86(3):461–3

[Comparative studies on multiple forms of serum cholinesterase in various species] Unakami S, et al. **Jikken Dobutsu** 1987 Apr;36(2):199–204 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

[Development of the rete testis in the prenatal ontogeny of rodents and effect of prolactin and thyrotropin on its cellular differentiation] Brindak OI, et al. **Ontogenez** 1986 Sep-Oct;17(5):500–7 (Eng. Abstr.) **(Rus)**

GENETICS

Synaptonemal complexes and chromosome chains in the rodent Ellobius talpinus heterozygous for ten Robertsonian translocations. Bogdanov YuF, et al. **Chromosoma** 1986; 94(2):94–102

Patterns of integration of exogenous DNA sequences transfected into mammalian cells of primate and rodent origin. Colbère-Garapin F, et al. **Gene** 1986;50(1–3):279–88

The sequence of the 3.3-kilobase repetitive element from Dipodomys ordii suggests a mechanism for its amplification and interspersion. Keim P, et al. **J Mol Evol** 1987; 25(1):65–73

Geographic dialects in blind mole rats: role of vocal communication in active speciation. Nevo E, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3312–5

Major histocompatibility complex gene organization in the mole rat Spalax ehrenbergi: evidence for transfer of function between class II genes. Nizetić D, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5828–32

GROWTH & DEVELOPMENT

Effects of nutrition on age determination using eye lens weights. Teska WR, et al. **Growth** 1986 Autumn; 50(3):362–70

IMMUNOLOGY

[Immunofluorescent research on the species specificity of the antigens of hematopoietic cells in rodents] Kvachantiradze NS, et al. **Ontogenez** 1986 Nov-Dec;17(6):655–8 (Eng. Abstr.) **(Rus)**

[Junin virus activity in humans and rodents of non-endemic areas of the province of Buenos Aires] Weissenbacher MC, et al. **Medicina (B Aires)** 1985;45(3):263–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Autoradiographic investigations on sialoglycoconjugates in the CNS of normothermic and hibernating fat dormice (Glis glis). Hilbig R, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:177–83

Coypu insulin. Primary structure, conformation and biological properties of a hystricomorph rodent insulin. Bajaj M, et al. **Biochem J** 1986 Sep 1;238(2):345–51

Skin surface lipids of the mole Scalopus aquaticus. Downing DT, et al. **Comp Biochem Physiol [B]** 1987;86(4):667–70

Alpha-adrenoceptors and monoamine contents in the cerebral cortex of the rodent Jaculus orientalis: effects of acute cold exposure. Lakhdar-Ghazal N, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):903–11

[Regulation of endocrine pancreas secretions (insulin and glucagon) during the periodic lethargy-waking cycle of the hibernating mammal] Castex C, et al. **Diabete Metab** 1987 Jun;13(3):176–81 (Eng. Abstr.) **(Fre)**

[Experimental filariasis in Proechimys oris by Dipetalonema desetae. 5. Effect of parasitism on metabolism of diethylcarbamazine] Kani F, et al. **Ear J Drug Metab Pharmacokinet** 1986 Jul–Sep; 11(3):211–23 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Translocation of strictly anaerobic bacteria from the intestinal tract to the mesenteric lymph nodes in gnotobiotic rodents. Debure A, et al. **Ann Inst Pasteur Microbiol** 1987 Mar–Apr; 138(2):213–21

Role of bandicoots in human leptospirosis in Madras City. An epidemiological approach. Ratnam S, et al. **Indian J Public Health** 1986 Jul–Sep;30(3):167–9

Isolation of leptospires from a one week dead coypu (Myocastor coypus Molina). Wanyangu SW, et al. **Int J Zoonoses** 1986 Dec;13(4):236–40

Biotyping of coagulase-positive Staphylococcus aureus and Staphylococcus intermedius strains isolated from various animals in Japan. Shimizu A, et al. **Nippon Juigaku Zasshi** 1986 Dec;48(6):1227–35

[Isolation of viruses from rodents in Senegal (1983–1985). Description of a new poxvirus] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1986;79(3):323–33 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Characterization of Kenyan Leishmania spp. and identification of Mastomys natalensis, Taterillus emini and Aethomys kaineri as new hosts of Leishmania major. Githure JI, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):501–7

Rodents as reservoir of zoonotic intestinal helminths in Suez Canal Zone with the possible immunological changes. el Gindy MS, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):259–73

Animal reservoirs of cutaneous leishmaniasis in North Sinai, Egypt [letter] Morsy TA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):415–6

Ectoparasites of rodents in Suez governorate with special reference to fleas. Morsy TA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):457–68

Rhipicephalus simpsoni (Acari: Ixodidae) development under controlled conditions. Ntiamoa-Baidu Y. **J Med Entomol** 1987 Jul;24(4):438–43

Life cycle of Ixodes (Afrixodes) aulacodi (Acari: Ixodidae) in the laboratory. Ntiamoa-Baidu Y. **J Med Entomol** 1987 Jul;24(4):444–7

Ixodes dammini and Borrelia burgdorferi in northern New England and upstate New York. Anderson JF, et al. **J Parasitol** 1987 Apr;73(2):419–21

Host specificity of Cryptosporidium sp. isolated from chickens. Lindsay DS, et al. **J Parasitol** 1986 Aug; 72(4):565–8

Rumen ophryoscolecid protozoa in the hindgut of the capybara (Hydrochoerus hydrochaeris). Dehority BA. **J Protozool** 1987 May;34(2):143–5

Arvicola terrestris, Linnaeus 1758, a reservoir of Pneumocystis sp. Delanoë and Delanoë 1912. Goyot P, et al. **Z Parasitenkd** 1986;72(5):685–7

[Ectoparasites of rodents and marsupials in the wild environment of Ilha Grande, State of Rio de Janeiro, Brazil] Guitton N, et al. **Mem Inst Oswaldo Cruz** 1986 Apr–Jun;81(2):233–4 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Advantages to female rodents of male-induced pregnancy disruptions. Storey A. **Ann NY Acad Sci** 1986;474:135–40 (32 ref.)

Physiological role of the pigment of the enamel in the rodent incisors. Its importance in experimental biology and medicine. Granados H. **Arch Invest Med (Mex)** 1986 Jan–Mar;17(1):37–54 **(Eng, Spa)**

Importance of tactile and olfactory cues to the inhibition of the grasshopper mouse's attack through toxicosis. Langley WM, et al. **Behav Neural Biol** 1986 Nov; 46(3):337–47

Photoperiod, follicle-stimulating hormone receptors, and testicular function in vizcacha (Lagostomus maximus maximus). Calvo JC, et al. **Biol Reprod** 1986 Nov; 35(4):822–7

Thermal freedom of Graomys griseoflavus in a seasonal environment. Caviedes-Vidal E, et al. **Comp Biochem Physiol [A]** 1987;87(2):257–9

Ultrastructure of the proximal convoluted tubule in the hibernating garden dormouse (Eliomys quercinus L.). Soria-Milla MA, et al. **Cryobiology** 1986 Dec;23(6):537–42

Effects of castration and thyroidectomy on the annual biological cycles of the edible dormouse Glis glis. Jallageas M, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):301–8

Factors influencing carcinogenicity testing in rodents [editorial] Tucker MJ. **Hum Toxicol** 1987 Mar;6(2):107–9

Neuroendocrine control of reproductive function in the aging female rodent. Cooper RL, et al. **J Am Geriatr Soc** 1986 Oct;34(10):735–51 (161 ref.)

Renal excretion capacity in hydrated desert rodents (Jaculus orientalis and Jaculus deserti). Baddouri K, et al. **J Comp Physiol [B]** 1987;157(2):237–40

Rodent population in Suez Canal Zone, Egypt. Morsy TA, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):97–107

The seasonal abundance and the maturity of some rodent species in Ismailia Governorate, Egypt. Shoukry A, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):397–408

A semi-automated system for recording pressure-volume curves of excised rodent lungs. Stengel PW, et al. **Lab Anim Sci** 1987 Jun;37(3):354–6

Effect of water intake on Na-K-ATPase in nephron segments of the desert rodent, Jaculus orientalis. Doucet A, et al. **Pflugers Arch** 1987 Feb;408(2):129–32

Electrically induced behavior and neural specificity in ground squirrels and dormice. Hallonquist JD, et al. **Physiol Behav** 1986;38(3):387–97

Veterinary care of rodents and lagomorphs. Cooper JE. **Tijdschr Diergeneeskd** 1987 Apr;112 Suppl 1:98S–103S

[An enigmatic gestation in Ctenodactylus vali (Rodentia)] Gouat J. **C R Acad Sci [III]** 1986;303(16):665–7 (Eng. Abstr.) **(Fre)**

[Secretion of antidiuretic hormone and renal function during the awakening of Jaculus orientalis from hibernation] Baddouri K, et al. **J Physiol (Paris)** 1986;81(3):202–8 (Eng. Abstr.) **(Fre)**

[Practical aspects in grass-cutter breeding (Thryonomys swinderianus). III. Coprophagia behavior] Holzer R, et al. **Rev Elev Med Vet Pays Trop** 1986;39(2):247–52 (Eng. Abstr.) **(Fre)**

[Practical aspects of grass-cutter breeding (Thryonomys swinderianus). II. Heat detection] Mensah GA, et al. **Rev Elev Med Vet Pays Trop** 1986;39(2):243–6 (Eng. Abstr.) **(Fre)**

[Morpho-functional differences at the tissue level between rodents from arid zones, the common vole and laboratory C57Bl mice with different degrees of radiation resistance] Popova MF, et al. **Dokl Akad Nauk SSSR** 1987; 293(2):456–8 **(Rus)**

[Activation of protein synthesis in tissues of gophers after arousal from hibernation] Zhegunov GF, et al. **Ukr Biokhim Zh** 1987 May–Jun;59(3):69–73 (Eng. Abstr.) **(Rus)**

RODENTICIDES

Food preference, consumption and efficacy of three rodenticides against Rattus norvegicus and Rattus rattus frugivorous, in Ismailia, Egypt. Shoukry A, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):717–25

ANALYSIS

Determination of sodium monofluoroacetate (compound 1080) in tissues and baits as its benzyl ester by reaction-capillary gas chromatography. Hoogenboom JJ, et al. **J Anal Toxicol** 1987 Jul–Aug;11(4):140–3

[Analysis of bromadiolone (an anticoagulant rodenticide) in plasma, liver and kidney of the rat] Nahas K. **J Chromatogr** 1986 Nov 21;369(2):445–8 **(Fre)**

POISONING

Thallium poisoning in Guyana—a national crisis [editorial] **Lancet** 1987 Mar 14;1(8533):604

N-3-pyridylmethyl-N^1-p-nitrophenylurea ocular toxicity in man and an animal model. Mindel JS. **Trans Am Ophthalmol Soc** 1986;84:389–428

TOXICITY

Primary and secondary toxicity of warfarin, sodium monofluoroacetate, and methyl parathion in mink. Aulerich RJ, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):357–66

Acute toxicity of sodium monofluoroacetate to the striped skunk. Eastland WG, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):934–6

Secondary poisoning hazards in stone martens (Martes foina) fed bromadiolone-poisoned mice. Lund M, et al. **Nord Vet Med** 1986 Jul–Aug;38(4):241–3

RODS AND CONES

see related

RETINAL PIGMENTS

Cone-rod dystrophy. A clinical and histopathologic report. Rabb MF, et al. **Ophthalmology** 1986 Nov;93(11):1443–51

ANALYSIS

Protein complement of rod outer segments of frog retina. Hamm HE, et al. **Biochemistry** 1986 Aug 12;25(16):4512–23

Calmodulin and calmodulin binding proteins in amphibian rod outer segments. Nagao S, et al. **Biochemistry** 1987 Mar 24;26(6):1659–65

Lipid mobility and order in bovine rod outer segment disk membranes. A spin-label study of lipid-protein interactions. Pates RD, et al. **Biochemistry** 1987 Jan 13; 26(1):29–39

Identification of frog photoreceptor plasma and disk membrane proteins by radioiodination. Witt PL, et al. **Biochemistry** 1987 Mar 24;26(6):1769–76

A spectrin-like protein in retinal rod outer segments. Wong S, et al. **Biochemistry** 1986 Oct 7;25(20):6294–300

Wavelength modulation by molecular environment in visual pigments. Motoyama H, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):9–15

Chondroitin 6-sulfate glycosaminoglycan is a major constituent of primate cone photoreceptor matrix sheaths. Hageman GS, et al. **Curr Eye Res** 1987 Apr;6(4):639–46

Monoclonal antibody-recognizing cone visual pigment. Szél A, et al. **Exp Eye Res** 1986 Dec;43(6):871–83

Localization of proteoglycan within the extracellular matrix sheath of cone photoreceptors. Varner HH, et al. **Exp Eye Res** 1987 May;44(5):633–42

Immunohistological localization of calmodulin in feline rod outer segments. Wakakura M, et al. **Exp Eye Res** 1987 Mar; 44(3):451–8

Beta-subunits of the human liver Gs/Gi signal-transducing proteins and those of bovine retinal rod cell transducin are identical. Codina J, et al. **FEBS Lett** 1986 Oct 27; 207(2):187–92

Fluorescence light microscopy of F-actin in retinal rods and glial cells. Del Priore LV, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):633–9

The GTP-binding protein of rod outer segments. II. An essential role for $Mg2+$ in signal amplification. Yamazaki A, et al. **J Biol Chem** 1987 Jul 5;262(19):9324–31

The GTP-binding protein of rod outer segments. I. Role of each subunit in the GTP hydrolytic cycle. Yamazaki A, et al. **J Biol Chem** 1987 Jul 5;262(19):9316–23

Insulin-like growth factor I receptors in retinal rod outer segments. Zick Y, et al. **J Biol Chem** 1987 Jul 25; 262(21):10259–64

[Molecular mechanisms of photoreception. V. Isolation of cytoplasmic membranes of rod outer segments from the frog retina] Malenev AL, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1479–87 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Cone sampling array models. Ahumada AJ Jr, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1493–502

Psychophysical estimate of extrafoveal cone spacing. Coletta NJ, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1503–13

Cone spacing and the visual resolution limit. Williams DR, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1514–23

Distribution of cones in human and monkey retina: individual variability and radial asymmetry. Curcio CA, et al. **Science** 1987 May 1;236(4801):579–82

CYTOLOGY

Germinal cells in the goldfish retina that produce rod photoreceptors. Raymond PA, et al. **Dev Biol** 1987 Jul; 122(1):120–38

Early development of photoreceptors in the ventral retina of the zebrafish embryo. Kljavin IJ. **J Comp Neurol** 1987 Jun 15;260(3):461–71

Identification of new biphasic C-type horizontal cells in cyprinid fish. Yang XL. **Sci Sin [B]** 1987 Feb;30(2):131–40

DRUG EFFECTS

The effects of barium on the suppression-recovery phenomenon in the aspartate isolated mass receptor response. Haynes LW, et al. **Curr Eye Res** 1987 Apr; 6(4):545–54

Tubocurarine chloride inhibits rod outer segment shedding in the frog retina. Gordon WC, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):1030–2

Divalent cations directly affect the conductance of excised patches of rod photoreceptor membrane. Stern JH, et al. **Science** 1987 Jun 26;236(4809):1674–8

ENZYMOLOGY

Retinal rod GTPase turnover rate increases with concentration: a key to the control of visual excitation? Dratz EA, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):379–86

Amplification of phosphodiesterase activation is greatly reduced by rhodopsin phosphorylation. Miller JL, et al. **Biochemistry** 1986 Sep 9;25(18):4983–8

Rhodopsin kinase prepared from bovine rod disk membranes quenches light activation of cGMP phosphodiesterase in a reconstituted system. Sitaramayya A. **Biochemistry** 1986 Sep 23;25(19):5460–8

Purification and properties of guanylate kinase from bovine retinas and rod outer segments. Hall SW, et al. **Eur J Biochem** 1986 Dec 15;161(3):551–6

ATP can promote activation and deactivation of the rod cGMP-phosphodiesterase. Kinetic light scattering on intact rod outer segments. Kamps KM, et al. **FEBS Lett** 1986 Nov 24;208(2):241–7

A 48 kDa protein arrests cGMP phosphodiesterase activation in retinal rod disk membranes. Zuckerman R, et al. **FEBS Lett** 1986 Oct 20;207(1):35–41

Light activation of phospholipase A2 in rod outer segments of bovine retina and its modulation by GTP-binding proteins. Jelsema CL. **J Biol Chem** 1987 Jan 5;262(1):163–8

Localization of hydroxyindole–O–methyltransferase–like immunoreactivity in photoreceptors and cone bipolar cells in the human retina: a light and electron microscope study. Wiechmann AF, et al. **J Comp Neurol** 1987 Apr 8; 258(2):253–66

Stimulation of phospholipase A2 activity in bovine rod outer segments by the beta gamma subunits of transducin and its inhibition by the alpha subunit. Jelsema CL, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3623–7

[Methylation of 3',5'-cGMP phosphodiesterase in retinal photoreceptor membranes] Artem'ev NO, et al. **Biokhimiia** 1987 Jan;52(1):154–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Pineal–retinal molecular relationships: distribution of "S–antigen" in the pineal complex.Collin JP, et al. **Neuroscience** 1986 Oct;19(2):657–66

METABOLISM

Light induces a rapid and transient increase in inositol–trisphosphate in toad rod outer segments. Brown JE, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1392–6

Chemical modification of rhodopsin and its effect on regeneration and G protein activation. Longstaff C, et al. **Biochemistry** 1986 Oct 7;25(20):6311–9

Interaction of retinal transducin with guanosine triphosphate analogues: specificity of the gamma–phosphate binding region. Yamanaka G, et al. **Biochemistry** 1986 Oct 7; 25(20):6149–53

Binding and activation of rod outer segment phosphodiesterase and guanosine triphosphate binding protein by disc membranes: influence of reassociation method and divalent cations. Miller JL, et al. **Biochim Biophys Acta** 1987 Mar 26;898(1):81–9

Effect of light and calcium on cyclic GMP synthesis in rod outer segments of toad retina. Pepe IM, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):271–6

Effect of sonication on nucleotide–dependent light scattering changes in retinal rod outer segment suspensions. Lewis JW, et al. **Biophys J** 1986 Oct;50(4):735–8

Measurement of potassium turnover in rod photoreceptors in toad isolated retina using ion–selective microelectrodes. Oakley B 2d. **Can J Physiol Pharmacol** 1987 May; 65(5):1018–27

Accumulation of immunoreactive opsin on plasma membranes in degenerating rod cells of rd/rd mutant mice. Ishiguro S, et al. **Cell Struct Funct** 1987 Apr;12(2):141–55

Turnover of palmitate, arachidonate and glycerol in phospholipids of rat rod outer segments. Wetzel MG, et al. **Exp Eye Res** 1986 Dec;43(6):941–54

Light– and nucleotide–dependent increase in apparent viscosity in a suspension of retinal disks. Caretta A, et al. **FEBS Lett** 1987 Jul 13;219(1):97–102

Detection of Ca2+–dependent cyclic GMP binding protein in frog rod outer segments. Shinozawa T, et al. **FEBS Lett** 1987 Jul 27;219(2):293–5

Density of foveal cone pigments at older age. Keunen JE, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):985–91

Peripherin. A rim–specific membrane protein of rod outer segment discs. Molday RS, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):50–61

Deficiency in light–dependent opsin phosphorylation in Irish setters with rod–cone dysplasia. Schmidt SY, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1551–9

Rapid declines in cyclic GMP of rod outer segments of intact frog photoreceptors after illumination. Blazynski C, et al. **J Biol Chem** 1986 Oct 25;261(30):14142–7

Solubilization and functional reconstitution of the cGMP–dependent cation channel from bovine rod outer segments. Cook NJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):17033–9

Acylation of disc membrane rhodopsin may be nonenzymatic. O'Brien PJ, et al. **J Biol Chem** 1987 Apr 15;262(11):5210–5

Light–dependent binding of G–protein to outer segment membranes of toad photoreceptors [published erratum appears in J Gen Physiol 1987 May;89(5):following 837] Mangini NJ, et al. **J Gen Physiol** 1986 Nov;88(5):675–94

[Molecular mechanisms of photoreception. VI. Cyclic nucleotide– and light–dependent phosphorylation of rod outer segment proteins in the frog retina] Krapivinskiĭ GB, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):116–24 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Nomarski evaluation of rod outer segment renewal in a hereditary retinal degeneration. Comparison with autoradiographic evaluation. Aguirre G, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1049–58

Photoreceptor degeneration in a pure–cone retina. Effects of cyclic nucleotides, and inhibitors of phosphodiesterase and protein synthesis. Williams DS, et al. **Invest Ophthalmol Vis Sci** 1987 Jul;28(7):1059–69

PHYSIOLOGY

Rod influence on thresholds using different detection criteria during dark adaptation. Peachey NS, et al. **Acta Psychol (Amst)** 1987 Mar;64(3):261–70

Visual receptor transduction. Liebman PA. **Ann NY Acad Sci** 1987;494:65–74 (47 ref.)

Molecular properties of the cGMP cascade of vertebrate photoreceptors. Hurley JB. **Annu Rev Physiol** 1987; 49:793–812 (109 ref.)

The molecular mechanism of visual excitation and its relation to the structure and composition of the rod outer segment. Liebman PA, et al. **Annu Rev Physiol** 1987;49:765–91 (134 ref.)

Ionic conductances in rod photoreceptors. Owen WG. **Annu Rev Physiol** 1987;49:743–64 (61 ref.)

Special topic: phototransduction in vertebrates. General introduction. Pugh EN Jr, et al. **Annu Rev Physiol** 1987; 49:711–4

The nature and identity of the internal excitational transmitter of vertebrate phototransduction. Pugh EN Jr. **Annu Rev Physiol** 1987;49:715–41 (122 ref.)

The perception of moving comets at high retinal illuminance levels: a rod–cone interaction effect. Barbur JL, et al. **Biol Cybern** 1986;55(2–3):145–58

Temperature dependency of light adaptation in bullfrog cone photoreceptors. Haynes LW, et al. **Brain Res Bull** 1987 May;18(5):677–80

Transient sensitivity reduction and biphasic photoresponses observed when frog retinal rods are oxidized. Donner K, et al. **Comp Biochem Physiol [A]** 1987;87(3):749–56

The influence of carbohydrates on the binding of rod outer–segment (ROS) disc membranes and intact ROS by the cells of the retinal pigment epithelium of the embryonic chick. Lentrichia BB, et al. **Exp Eye Res** 1987 Jan; 44(1):127–42

Disc shedding and autophagy in the cone–dominant ground squirrel retina. Long KO, et al. **Exp Eye Res** 1986 Aug; 43(2):193–205

Sensitivity and response kinetics alter during suppression–recovery in cone photoreceptors. Haynes LW, et al. **Experientia** 1986 Dec 1;42(11–12):1225–6

A psychophysical technique for measuring cone photopigment bleaching. Burns SA, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):711–7

Clinical electroretinography for short wavelength sensitive cones. Sawusch M, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):966–74

Prevention of rod disk shedding by detachment from the retinal pigment epithelium. Williams DS, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):184–7

Turnover of rod photoreceptor outer segments. II. Membrane addition and loss in relationship to light. Besharse JC, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):507–27

Calcium–independent contraction in lysed cell models of teleost retinal cones: activation by unregulated myosin light chain kinase or high magnesium and loss of cAMP inhibition. Burnside B, et al. **J Cell Biol** 1987 Jul; 105(1):397–402

Turnover of rod photoreceptor outer segments. I. Membrane addition and loss in relationship to temperature. Hollyfield JG, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):490–506

Light–evoked and kainic–acid–induced disc shedding by rod photoreceptors: differential sensitivity to extracellular calcium. Besharse JC, et al. **J Comp Neurol** 1986 Sep 8; 251(2):185–97

Cone synapses with Golgi–stained bipolar cells that are morphologically similar to a center–hyperpolarizing and a center–depolarizing bipolar cell type in the turtle retina. Kolb H, et al. **J Comp Neurol** 1986 Aug 22;250(4):510–20

Four spectral classes of cone in the retinas of birds. Chen DM, et al. **J Comp Physiol [A]** 1986 Oct;159(4):473–9

Contributions of short–wavelength cones to goldfish ganglion cells. Mackintosh RM, et al. **J Comp Physiol [A]** 1987 Jun; 161(1):85–94

Dynamics of turtle cones. Naka KI, et al. **J Gen Physiol** 1987 Feb;89(2):321–37

Transduction persists in rod photoreceptors after depletion of intracellular calcium. Nicol GD, et al. **J Gen Physiol** 1987 Feb;89(2):297–319

Na+– and cGMP–induced Ca2+ fluxes in frog rod photoreceptors. Schnetkamp PP, et al. **J Gen Physiol** 1987 Mar;89(3):481–500

Suppressive rod–cone interaction in distal vertebrate retina: intracellular records from Xenopus and Necturus. Frumkes TE, et al. **J Neurophysiol** 1987 May;57(5):1361–82

Background and bleaching equivalence in steady–state adaptation of vertebrate rods. Leibovic KN, et al. **J Neurosci** 1987 Apr;7(4):1056–63

Equiluminance: spatial and temporal factors and the contribution of blue–sensitive cones. Cavanagh P, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1428–38

Does cone positional disorder limit resolution? Hirsch J, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1481–92

Analysis of color–matching ellipses in a cone–excitation space. Nagy AL, et al. **J Opt Soc Am [A]** 1987 Apr; 4(4):756–68

Analysis of visual modulation sensitivity. III. Meridional variations in peripheral flicker sensitivity. Tyler CW. **J Opt Soc Am [A]** 1987 Aug;4(8):1612–9

Short–wavelength–sensitive cones do not contribute to mesopic luminosity. Verdon W, et al. **J Opt Soc Am [A]** 1987 Jan;4(1):91–5

Effects of stimulus intensity and duration on photoresponses of single rods in the frog retina. Tauchi M, et al. **Jpn J Physiol** 1987;37(2):169–81

Ion channels in in situ rod of the frog retina as revealed by intracellular current injection. Takahashi K. **Keio J Med** 1986 Jul;35(3):162–79

Signal clipping by the rod output synapse. Attwell D, et al. **Nature** 1987 Aug 6–12;328(6130):522–4

cGMP–dependent cation channel of retinal rod outer segments. Matesic D, et al. **Nature** 1987 Apr 9–15; 326(6113):600–3

Polymorphism of the long–wavelength cone in normal human colour vision. Neitz J, et al. **Nature** 1986 Oct 16–22; 323(6089):623–5

Spectral sensitivity of human cone photoreceptors. Schnapf JL, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):439–41

Cyclic nucleotides and retinal cones. Cohen AI. **Neurochem Res** 1987 Jun;12(6):501–5 (44 ref.)

Models for quick activation of transducin and spontaneous deactivation of activated rhodopsin in rod outer segments. Ichikawa K. **Neurosci Res** 1986 Nov;4(1):74–81

Pathways in type–B (U–shaped) metacontrast. Reeves A. **Perception** 1986;15(2):163–72

Calcium current in growth balls from isolated Helix aspersa neuronal growth cones. Marom S, et al. **Pflugers Arch** 1987 Aug;409(6):578–81

Identification, purification, and functional reconstitution of the cyclic GMP–dependent channel from rod photoreceptors. Cook NJ, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):585–9

Single–channel recordings demonstrate that cGMP opens the light–sensitive ion channel of the rod photoreceptor. Matthews G. **Proc Natl Acad Sci USA** 1987 Jan; 84(1):299–302

Incorporation of a retinal rod cGMP–dependent conductance into planar bilayers. Tanaka JC, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):724–8

Cone connections of the horizontal cells of the rhesus monkey's retina. Boycott BB, et al. **Proc R Soc Lond [Biol]** 1987 Jan 22;229(1257):345–79

Dark–adaptation of the human rod system: a new hypothesis. Stabell U, et al. **Scand J Psychol** 1986;27(2):175–83

The molecules of visual excitation. Stryer L. **Sci Am** 1987 Jul;257(1):42–50

Diurnal expression of transducin mRNA and translocation of transducin in rods of rat retina. Brann MR, et al. **Science** 1987 Jan 30;235(4788):585–7

Shared pathways for rod and cone vision. D'Zmura M, et al. **Vision Res** 1986;26(8):1273–80

Spatial and chromatic antagonism between the long– and middle–wavelength cones in the detection of long–wavelength flashes. Ejima Y, et al. **Vision Res** 1986; 26(12):1995–2000

The influence of cone adaptation upon rod mediated flicker. Frumkes TE, et al. **Vision Res** 1986;26(8):1167–76

Photoreceptor input and temporal summation in turtle retinal ganglion cells. Granda AM, et al. **Vision Res** 1986; 26(10):1667–76

Temporal modulation sensitivity in cone dark adaptation. Hayhoe MM, et al. **Vision Res** 1986;26(10):1715–25

Cones and opponency. Jacobs GH. **Vision Res** 1986; 26(9):1533–41 (78 ref.)

Separation and light adaptation of rod and cone signals in the retina of the goldfish. Malchow RP, et al. **Vision Res** 1986;26(10):1655–66

Visual transduction in vertebrate rods and cones: a tale of two transmitters, calcium and cyclic GMP. Pugh EN Jr, et al. **Vision Res** 1986;26(10):1613–43 (186 ref.)

Perimetry of critical flicker frequency in human rod and cone vision. Raninen A, et al. **Vision Res** 1986;26(8):1249–55

Interocular sensitization to a rod–detected test. Reeves A, et al. **Vision Res** 1986;26(7):1119–27

Spectral sensitivity, intense spectral light studies and the color receptor mosaic of primates. Sperling HG. **Vision Res** 1986;26(9):1557–71 (42 ref.)

Neurones with strong inhibitory S–cone inputs in the macaque lateral geniculate nucleus. Valberg A, et al. **Vision Res** 1986;26(7):1061–4

[An investigation on the suppression of the cone system by the rod system in the isolated frog retina] Dong CJ, et al. **Sheng Li Hsueh Pao** 1986 Dec;38(6):555–64 (Eng. Abstr.) **(Chi)**

[The ERG C–wave during adaptation to the dark and the light in the pigmented rabbit] Nao–i N, et al. **Nippon Ganka Gakkai Zasshi** 1987 Jan;91(1):168–73 (Eng. Abstr.) **(Jpn)**

[Cone dark adaptation in Harada's disease] Yokota A, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec;90(12):1624–33 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Foveal cone pigments and sensitivity in young patients with Usher's syndrome [published erratum appears in Am J Ophthalmol 1987 Jul 15;104(1):98] Fulton AB, et al. **Am J Ophthalmol** 1987 Feb 15;103(2):150–60

Chronic eyelid closure and its effect upon the human cone and rod electroretinogram. Jaffe MJ, et al. **Am J Optom Physiol Opt** 1987 May;64(5):373–6

Rod mediated retinal dysfunction in cats with zinc depletion: comparison with taurine depletion. Jacobson SG, et al. **Clin Sci** 1986 Nov;71(5):559–64

Rod–cone differences in response to retinal ischemia in rabbit.

Brunette JR, et al. **Doc Ophthalmol** 1986 Nov 15; 63(4):359–65

Abnormal foveal spectral sensitivity in retinitis pigmentosa. Alexander KR, et al. **Invest Ophthalmol Vis Sci** 1987 Apr; 28(4):725–30

The relationship between rod perimetric thresholds and full-field rod ERGs in retinitis pigmentosa. Birch DG, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):954–65

Rod ERGs in retinitis pigmentosa and cone-rod degeneration. Birch DG, et al. **Invest Ophthalmol Vis Sci** 1987 Jan;28(1):140–50

Cone photopigment bleaching abnormalities in diabetes. Elsner AE, et al. **Invest Ophthalmol Vis Sci** 1987 Apr; 28(4):718–24

Rod ERGs in children with hereditary retinal degeneration. Birch DG, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct;23(5):227–32

Rod-cone interactions in night-blinding disease. Arden GB. **Jpn J Ophthalmol** 1987;31(1):6–19

Retinal cone dysfunction and mental retardation associated with a de novo balanced translocation 1;6(q44;q27). Tranebjaerg L, et al. **Ophthalmic Paediatr Genet** 1986 Dec; 7(3):167–73

RADIATION EFFECTS

Action spectrum of the retinal mechanism mediating nocturnal light-induced suppression of rat pineal gland N-acetyltransferase. Bronstein DM, et al. **Brain Res** 1987 Mar 17;406(1–2):352–6

How photoreceptor cells respond to light. Schnapf JL, et al. **Sci Am** 1987 Apr;256(4):40–7

ULTRASTRUCTURE

Glycoproteins specific for the retinal rod outer segment plasma membrane. Molday LL, et al. **Biochim Biophys Acta** 1987 Feb 26;897(2):335–40

Demonstration of rod and cone photoreceptors in the lamprey retina by freeze-replication and immunofluorescence. Ishikawa M, et al. **Cell Tissue Res** 1987 Aug;249(2):241–6

Progression and reversibility of early light-induced alterations in rat retinal rods. Moriya M, et al. **Cell Tissue Res** 1986;246(3):607–21

Lengths of immunolabeled ciliary microtubules in frog photoreceptor outer segments. Kaplan MW, et al. **Exp Eye Res** 1987 May;44(5):623–32

Affinity isolation of cone outer segments using a peanut agglutinin-nitrocellulose sheet. Uehara F, et al. **Exp Eye Res** 1986 Oct;43(4):687–93

$Mg2+-ATP$ induces filament growth from retinal rod outer segments with disrupted plasma membranes. Parker KR, et al. **FEBS Lett** 1987 Jan 19;211(1):35–40

Tunicamycin-induced dysgenesis of retinal rod outer segment membranes. II. Quantitative freeze-fracture analysis. Defoe DM, et al. **Invest Ophthalmol Vis Sci** 1986 Nov;27(11):1595–601

Morphological components associated with frog cone outer segment disc margins. Fetter RD, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):646–57

Identification of a subtype of cone photoreceptor, likely to be blue sensitive, in the human retina. Ahnelt PK, et al. **J Comp Neurol** 1987 Jan 1;255(1):18–34

Structural features of the terminal loop region of frog retinal rod outer segment disk membranes: III. Implications of the terminal loop complex for disk morphogenesis, membrane fusion, and cell surface interactions. Corless JM, et al. **J Comp Neurol** 1987 Mar 1;257(1):24–38

Structural features of the terminal loop region of frog retinal rod outer segment disk membranes: I. Organization of lipid components. Corless JM, et al. **J Comp Neurol** 1987 Mar 1;257(1):1–8

Microcircuitry of the dark-adapted cat retina: functional architecture of the rod-cone network. Smith RG, et al. **J Neurosci** 1986 Dec;6(12):3505–17

Membrane turnover in rod photoreceptors: ensheathment and phagocytosis of outer segment distal tips by pseudopodia of the retinal pigment epithelium. Matsumoto B, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):339–54

ROENTGENKYMOGRAPHY see **ELECTROKYMOGRAPHY**

ROENTGENOGRAPHY see RADIOGRAPHY

ROLE

Fine needle aspiration of the breast. Importance of the aspirator. Lee KR, et al. **Acta Cytol (Baltimore)** 1987 May-Jun;31(3):281–4

Identity diffusion: a long-term follow-up. Josselson R. **Adolesc Psychiatry** 1987;14:230–58

The degree of family orientation perceived by mothers, fathers, and adolescents. Jurich AP, et al. **Adolescence** 1987 Spring;22(85):119–28

Epilepsy and education: the pediatrician's expanding role. Marshall RM, et al. **Adv Pediatr** 1986;33:159–80 (124 ref.)

The physician's role in physical activity, physical fitness and health. Caldwell J. **Alaska Med** 1987 Apr–Jun;29(2):55–6 (17 ref.)

Campaign against smoking [editorial] **Am Fam Physician** 1987 Apr;35(4):96, 98

Pediatrics and intrauterine detection of fetal disorders [editorial] Nadler HL. **Am J Dis Child** 1987 Feb;141(2):138

Firearms in the home and child safety. Patterson PJ, et al. **Am J Dis Child** 1987 Feb;141(2):221–3

Firearms in the home [letter] Stolinsky DC. **Am J Dis Child** 1987 Sep;141(9):939–40

Randomized clinical trials and common sense. Friedman HS. **Am J Med** 1986 Dec;81(6):1047

Medicine in the '80s. Need for an integrative approach. Natelson BH. **Am J Med** 1986 Dec;81(6):1048–50

Responsibility, obligation, and duty. Presidential address. Dunn LJ. **Am J Obstet Gynecol** 1987 Sep;157(3):521–30

Role conflict in occupational therapy student parents. Menks FA, et al. **Am J Occup Ther** 1987 Jan;41(1):21–7

New female perceptions of parental power. McDermott JF Jr, et al. **Am J Psychiatry** 1987 Aug;144(8):1086–7

Understanding social roles from a Horneyan perspective. Rendon D. **Am J Psychoanal** 1987 Summer;47(2):131–42

Stop smoking advice by physicians: a feasible approach? Folsom AR, et al. **Am J Public Health** 1987 Jul; 77(7):849–50

Physicians and CPR training in high-risk family members [editorial] Goldberg RJ. **Am J Public Health** 1987 Jun; 77(6):671–2

Smoking intervention: the expanding role of the physician [editorial] Ockene JK. **Am J Public Health** 1987 Jul; 77(7):782–3

The crucial role of the practicing surgeon in securing permission for organ donation [editorial] Najarian JS. **Am J Surg** 1987 Sep;154(3):253

Physicians as politicians and statesmen. An unaccustomed role. Can it be done? Smith GW. **Am Surg** 1987 Jan; 53(1):1–5

Role of the physician in the prehospital setting. Pepe PE, et al. **Ann Emerg Med** 1986 Dec;15(12):1480–3

Responsibilities of primary physicians in organ donation. Tolle SW, et al. **Ann Intern Med** 1987 May;106(5):740–4

Utilization of critical care units. A prospective study of physician triage and patient outcome. Sax FL, et al. **Arch Intern Med** 1987 May;147(5):929–34

The role of the surgical oncologist in the community hospital. Dembrow VD. **Arch Surg** 1986 Nov;121(11):1231–2

The surgeon's role in treating acquired immunodeficiency syndrome. Nugent P, et al. **Arch Surg** 1986 Oct; 121(10):1117–20

Colorectal cancer. A blueprint for disease control through screening by primary care physicians. Wanebo HJ, et al. **Arch Surg** 1986 Nov;121(11):1347–52

The general practitioner as teacher and role model. Lublin J, et al. **Aust Fam Physician** 1986 Dec;15(12):1582–4

A community response to drug issues. Wodak A. **Aust Fam Physician** 1987 Jan;16(1):35, 38

Physician presence on a helicopter emergency medical service: necessary or desirable? Snow N, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1176–8

Legal obligations and responsibilities of the medical practitioner. Finch JD. **Br J Anaesth** 1987 Jul;59(7):870–6

Care of the dying. The role of the psychiatrist. Parkes CM. **Br J Hosp Med** 1986 Oct;36(4):250, 252, 254–5

Role and responsibilities of general practitioner organisers of continuing medical education. Berrington RM, et al. **Br Med J** 1987 Feb 28;294(6571):550–2

Role of general practitioners in treating opiate misuse [letter] Billington T. **Br Med J [Clin Res]** 1986 Sep 27; 293(6550):821

Role of general practitioners in the care of disabled young adults. Brimblecombe FS, et al. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):859–60

General medicine in the 'eighties. Davidson C, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):547–50

Findings of a national survey of the role of general practitioners in the treatment of opiate misuse: views on treatment. Glanz A. **Br Med J [Clin Res]** 1986 Aug 30; 293(6546):543–5

Sexual abuse of children: an update. Finkel KC. **Can Med Assoc J** 1987 Feb 1;136(3):245–52

Confronting the prescription drug addict: doctors must learn to say no. Goldman B. **Can Med Assoc J** 1987 Apr 15; 136(8):871–6

Preventing war [letter] Hudecki SM. **Can Med Assoc J** 1987 Mar 15;136(6):568–9

Medicare in Australia: should Canadian doctors envy physicians down under? Labonte R. **Can Med Assoc J** 1987 Apr 15;136(8):888–92

Physician response to informed consent regulations for randomized clinical trials. Taylor KM, et al. **Cancer** 1987 Sep 15;60(6):1415–22

The physician's role in delivering sensitive information to families with handicapped infants. Olson J, et al. **Clin Pediatr (Phila)** 1987 May;26(5):231–4

The physician's dilemma. Nielsen CC. **Conn Med** 1987 Feb; 51(2):113–5

The emergency department medical director. Mayer TA. **Emerg Med Clin North Am** 1987 Feb;5(1):1–29

Medical direction in emergency medical services: the role of the physician. Stewart RD. **Emerg Med Clin North Am** 1987 Feb;5(1):119–32

Epilepsy in general practice: the Dutch situation. Rutgers MJ. **Epilepsia** 1986 Nov–Dec;27(6):734–8

The role of physicians in the anti-smoking campaign [letter] Zieliński J. **Eur J Respir Dis** 1987 Apr;70(4):252

Twenty years on: a commentary [letter] Curtis P. **Fam Med** 1987 Jul–Aug;19(4):262, 310

The family physician delivering babies: an endangered species. Scherger JE. **Fam Med** 1987 Mar–Apr;19(2):95–6

The role of the family doctor in a developing country: Malawi. Thomas R. **Fam Med** 1987 Jul–Aug;19(4):257, 307–9

Family mediation: clinical strategies in mediating child custody. Veltkamp LJ, et al. **Fam Med** 1986 Sep–Oct; 18(5):301–5

"Captain of the ship": coping with nonphysicians in geriatric care. Panel discussion. **Geriatrics** 1986 Oct;41(10):38–50

Helping families cope with Alzheimer's: the physician's role. Maletta GJ, et al. **Geriatrics** 1986 Nov;41(11):81–7, 90

The physician in society—1987: the relationship between AIDS and nuclear war. Reppun JI. **Hawaii Med J** 1987 Jun;46(6):187–8, 213–6

Alternative delivery systems: the changing role fo the physician. Siegel D, et al. **Henry Ford Hosp Med J** 1986; 34(4):247–51

Elder abuse: the physician's role in identification and prevention. Cochran C, et al. **IMJ** 1987 Apr;171(4):241–6

The other side. Herrmann KJ. **IMJ** 1987 Jul;172(1):47

The physician's role in family adaptation to important life events. Death, separation and divorce, birth of an infant with a handicap, and critical illness in a child. Green M. **Indiana Med** 1987 Jul;80(7):623–32

The role of the general practitioner and the orthodontist in the provision of orthodontic care. Linge L. **Int Dent J** 1987 Jun;37(2):86–90

Is age becoming irrelevant? An exploratory study of perceived age norms. Zepelin H, et al. **Int J Aging Hum Dev** 1986–87;24(4):241–56

Psychosocial aspects of infertility. The role of the clinician in the fertility clinic. Harrison RF. **Ir J Med Sci** 1986 Dec; 155(12 Suppl):5–8

Doctors, alcohol and society [editorial] Caviston P, et al. **Ir Med J** 1986 Aug;79(8):205–6

The profession's role in health care administration. Farrelly T. **Ir Med J** 1987 May;80(5):136–8

Proper use of metered-dose inhalers: the role of the primary care physician. Tal A, et al. **Isr J Med Sci** 1987 Mar; 23(3):168–70

Biopsychosocial correlates of risk-taking behaviors during adolescence. Can the physician intervene? Irwin CE Jr, et al. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):82S–96S (156 ref.)

The nurse's role in patient education: incongruent perceptions among nurses and patients. Tilley JD, et al. **J Adv Nurs** 1987 May;12(3):291–301

First do no harm ... physicians and torture. Lisoskie S. **J Am Med Wom Assoc** 1987 May-Jun;42(3):73–4

Radial keratotomy [letter] Rosenberg R. **J Am Optom Assoc** 1987 Feb;58(2):86–7

Smoking prevention, cessation, and maintenance: review for the primary care physician. Ketterer MW, et al. **J Am Osteopath Assoc** 1987 Mar;87(3):248–57 (188 ref.)

Role reversals: an analysis of therapeutic effects achieved with disruptive boys during their appointments as peer monitors. Fowler SA, et al. **J Appl Behav Anal** 1986 Winter; 19(4):437–44

Gaps between expectations and perceived reality of therapists and clients. Benbenishty R. **J Clin Psychol** 1987 Mar; 43(2):231–6

Discrepancies between therapists' role preferences and role expectations. Benbenishty R, et al. **J Clin Psychol** 1986 Sep;42(5):719–27

The psychiatrist's role in retrospective determination of suicide: an uncertain science. Goldstein RL. **J Forensic Sci** 1987 Mar;32(2):489–95

Prison psychiatry and professional responsibility. Smith CE. **J Forensic Sci** 1987 May;32(3):717–24

The AIDS epidemic and the general internist [editorial] Cooney TG. **J Gen Intern Med** 1986 Sep–Oct;1(5):339–40

Physician compliance in the management of hypertensive patients. Cohen D, et al. **J Hypertens [Suppl]** 1985 Apr; 3(1):S73–6

Tobacco and health: the role of the physician. Duttenhaver JR. **J Med Assoc Ga** 1986 Dec;75(12):726

Death with dignity and the right to die: sometimes doctors have a duty to hasten death. Miller PJ. **J Med Ethics** 1987 Jun;13(2):81–5

Neurosurgeons' role in organ procurement [letter] Clark LJ. **J Neurosurg** 1987 Jun;66(6):947–8

The role of the clinical nurse specialist: problems and solutions. Harrell JS, et al. **J Nurs Adm** 1986 Oct; 16(10):44–8

The multiple dimensions of staff nurse role conception. Taunton RL, et al. **J Nurs Adm** 1986 Oct;16(10):31–7

Career paths of nurses: when is a nurse no longer a nurse? Wintz L. **J Nurs Adm** 1987 Apr;17(4):33–7

The impact of expectations on faculty job satisfaction. Christian PL. **J Nurs Educ** 1986 Nov;25(9):378–83

Perceived role conflict, role ambiguity, and job satisfaction among nurse educators. Fain JA. **J Nurs Educ** 1987 Jun; 26(6):233–8

A comparison of role conceptions and role deprivation of baccalaureate students in nursing participating in a preceptorship or a traditional clinical program. Itano JK, et al. **J Nurs Educ** 1987 Feb;26(2):69–73

Professional role synthesis for nursing faculty: a redefinition of faculty practice. Neely CA, et al. **J Nurs Educ** 1986 Oct;25(8):345–8

The role of the nurse in labor and delivery as perceived by nurses and patients. Collins BA. **J Obstet Gynecol Neonatal Nurs** 1986 Sep–Oct;15(5):412–8
The pediatrician and adolescent drug abuse [letter] Milman DH, et al. **J Pediatr** 1987 Mar;110(3):499
Social roles and social perception: individual differences in attribution and error. Block J, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1200–7
Multiple roles, social networks, and women's well-being. Hirsch BJ, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1237–47
Poor social performance of lonely people: lacking a skill or adopting a role? Vitkus J, et al. **J Pers Soc Psychol** 1987 Jun;52(6):1266–73
The surgeon's future role in the conquest of cancer. Hutchinson WB. **J Surg Oncol** 1987 Feb;34(2):73–5
Are physicians advising smokers to quit? [letter] **JAMA** 1987 Jul 24–31;258(4):471–3
Are physicians advising smokers to quit? The patient's perspective. Anda RF, et al. **JAMA** 1987 Apr 10; 257(14):1916–9
Hospital information systems. The physician's role. Friedman BA, et al. **JAMA** 1987 Apr 3;257(13):1792
Physicians, vital statistics, and disease reporting. Goodman RA, et al. **JAMA** 1987 Jul 17;258(3):379–81
Radiation emergencies and the practicing physician [editorial] Hendee WR, et al. **JAMA** 1987 Aug 7;258(5):677
Referral by default. The medical community and unorthodox therapy. Holohan TV. **JAMA** 1987 Mar 27;257(12):1641–2
Doctor as patient advocate. Hotchkiss WS. **JAMA** 1987 Aug 21;258(7):947–8
Nuclear disaster preparedness: the SONGS scenario [letter] Leider HJ. **JAMA** 1986 Dec 5;256(21):2959
Physicians' obligations in radiation issues. Loken MK. **JAMA** 1987 Aug 7;258(5):673–6
Are British physicians agents of the state? [letter] O'Malley S. **JAMA** 1987 Mar 6;257(9):1175–6
Treating a societal malignancy—rape [news] Riesenberg D. **JAMA** 1987 Feb 13;257(6):726–7
The role of the pediatrician in the prevention of coronary heart disease in childhood. Kashani IA, et al. **Jpn Heart J** 1986 Nov;27(6):911–22
Child abuse and the doctor's duty of care. Brahams D. **Lancet** 1987 Jul 4;2(8549):51
Back to the theories: another way to view mothers of prematures. Sims-Jones N. **MCN** 1986 Nov–Dec; 11(6):394–7
The physician's role in selecting hospital computers [editorial] McDonald CJ. **MD Comput** 1985 Mar–Apr; 2(2):5–6
Smoking Part III: Two minutes of your time: a guide to helping your patients to stop smoking. Haines CS, et al. **Md Med J** 1986 Dec;35(12):995–7
Smoking. Part II: The physician's impact on smoking behaviors. Prince DS, et al. **Md Med J** 1986 Oct; 35(10):819–21
Apartheid [letter] Qureshi F. **Med J Aust** 1986 Dec 1–15; 145(11–12):664
Fat—again [editorial] Williams AS, et al. **Med J Aust** 1986 Nov 3;145(9):429–30
A doctor as a member of a team. Roine M. **Med Teach** 1986; 8(4):377–81
The Nobel Peace Prize [editorial] Cassel CK. **Med War** 1986 Apr–Jun;2(2):95–8
Rudolf Virchow: the physician as politician. Eisenberg L. **Med War** 1986 Oct–Dec;2(4):243–50
Holism, medicine and nuclear war. Gordon W. **Med War** 1986 Jan–Mar;2(1):39–42
Preventing nuclear war—a role for the world's physicians [editorial] Maddocks I. **Med War** 1986 Jan–Mar;2(1):1–2
Changing minds: the peace process and the part physicians can play in it. Richter HE. **Med War** 1986 Oct–Dec; 2(4):233–8
Medical reality and political deceptions. Ridgway R. **Med War** 1986 Oct–Dec;2(4):239–42
Elder abuse and the physician. O'Brien JG. **Mich Med** 1986 Nov;85(11):618, 620
Evoking the gifts. Hilfiker D. **Minn Med** 1987 Jan;70(1):16
Sex education: a physician's responsibility? Knapp JF. **Minn Med** 1986 Oct;69(10):559
Facilitating physician reporting of child abuse. ten Bensel RW, et al. **Minn Med** 1986 Nov;69(11):651–3
The physician's role in the politics of AIDS [letter] Belkin G. N **Engl J Med** 1987 Jun 11;316(24):1548
Recruiting medical advisers in emergency care [editorial] Kemmerer DL. **Nebr Med J** 1986 Sep;71(9):315–6
Identity and the choice of social roles. Archer SL. **New Dir Child Dev** 1985 Dec;(30):79–99
Workman's compensation [letter] Stark SS. **NJ Med** 1986 Sep;83(9):629
Role of the trauma nurse coordinator. McArdle M, et al. **Nurs Clin North Am** 1986 Dec;21(4):673–5
Mothering behavior and maternal role attainment during the postpartum period. Walker LO, et al. **Nurs Res** 1986 Nov–Dec;35(6):352–5
To whom do we minister? [letter] Thomson A. **NZ Med J** 1986 Nov 26;99(814):917–8
Patients relinquish control of medical care by participating in HMO programs [editorial] Strasser AL. **Occup Health Saf** 1987 Feb;56(2):52, 54
Retired doctors: a prospective role. Monitoring U.S. health care reimbursement. Greentree LB. **Ohio Med** 1987 Apr; 83(4):217
After the eyes are straightened what is the ophthalmologist's responsibility? Parks MM. **Ophthalmology** 1986 Aug; 93(8):1020–2
Organizing the 'physician rebellion'. Building a model for concerted action. Nash SP. **Pa Med** 1987 Apr;90(4):52–4, 57
The pediatrician's role in adolescent suicide. Hergenroeder AC, et al. **Pediatr Ann** 1986 Nov;15(11):787–98
Emergency medical services for children: what is the pediatric surgeon's role? Haller JA Jr. **Pediatrics** 1987 Apr; 79(4):576–81
Preventive dental care: the role of the pediatrician. Herrmann HJ, et al. **Pediatrics** 1987 Jul;80(1):107–10
Adult heart disease prevention in childhood: a national survey of pediatricians' practices and attitudes. Nader PR, et al. **Pediatrics** 1987 Jun;79(6):843–50
Smoking prevention: behavioral prescriptions for the pediatrician. Perry CL, et al. **Pediatrics** 1987 May; 79(5):790–9
Physician involvement in safety programs is not enough [letter] Walsh MJ. **Pediatrics** 1978 Jan;61(1):142–3
Back to Hippocrates: the physician's role as central to medicine. Fischer JE. **Pharos** 1987 Winter;50(1):36–9
Changes in students' perceptions of the professional role. Corb DF, et al. **Phys Ther** 1987 Feb;67(2):226–33
Medical emergencies during air travel. Aircraft resources and guidelines for 'good samaritan' physicians. Goodman PH. **Postgrad Med** 1986 Dec;80(8):54–9, 62–6
Peptic ulcer disease. The role of the primary care physician in therapeutic intervention. Ruoff GE. **Postgrad Med** 1987 Apr;81(5):85–90
Health promotion and disease prevention. Roles for the primary care physician. Simons-Morton DG, et al. **Postgrad Med** 1987 Jun;81(8):235–8, 241–2
Physicians must respond to the nuclear threat: the medical prescription. Lown B. **Prev Med** 1987 May;16(3):361–9
Evaluation of attending physicians: three perspectives. Skeff KM, et al. **Proc Annu Conf Res Med Educ** 1984;23:277–81
Role of the physician in bereavement. Pasnau RO, et al. **Psychiatr Clin North Am** 1987 Mar;10(1):109–20
The double life of a psychiatrist: role changes between hospital and office. Schwartz RS. **Psychiatry** 1987 Feb; 50(1):83–7
The future role of the physician in home health care [editorial] Balinsky W. **Public Health Nurs** 1987 Jun; 4(2):77–8
The role of the physician in home care. Bernstein LH. **Public Health Nurs** 1987 Mar;4(1):2–3
Rights, roles, and relationships in radiology [letter] **Radiology** 1987 Oct;165(1):288–9
Missing and exploited children. **RI Med J** 1986 Aug; 69(8):369–76
AIDS and the physician [letter] Hendee WR, et al. **Science** 1986 Oct 31;234(4776):529–30
Family abuse: child, spouse, elderly. Knowles RC. **SD J Med** 1986 Oct;39(10):27–33
New clinical roles for pharmacists: a study of role expansion. Adamcik BA, et al. **Soc Sci Med** 1986;23(11):1187–200
Correlates of stages in the progression from everyday drinking to problem drinking. Knibbe RA, et al. **Soc Sci Med** 1987;24(5):463–73
The impact of rheumatoid arthritis on the homemaker. Reisine ST, et al. **Soc Sci Med** 1987;25(1):89–95
Role ambiguity in general practice: the care of patients dying at home. Still AW, et al. **Soc Sci Med** 1986;23(5):519–25
Prescription drug abuse and dependence in clinical practice. Ogur B. **South Med J** 1987 Sep;80(9):1153–9
Nuclear weapons and nuclear war: implications for Texas physicians. Lockwood AH. **Tex Med** 1987 Feb;83(2):47–9
The Texas Medical Foundation and compassion [editorial] Selby JH. **Tex Med** 1987 May;83(5):7
Robin Hoods and good Samaritans: the role of patients in health care distribution. Hardwig J. **Theor Med** 1987 Feb; 8(1):47–59
Consumers, physicians, and payors: a triad of conflicting interests. Inlander CB, et al. **Theor Med** 1987 Feb;8(1):61–8
Medicus technologicus. Reflections on the conflict between the physician's responsibility in decision-making and medico-technical automation. Kliegis U, et al. **Theor Med** 1986 Oct;7(3):233–42
The medical profession and the corporatization of the health sector. Salmon JW. **Theor Med** 1987 Feb;8(1):19–29
Primary care physician satisfaction with case management. Davidson RC, et al. **West J Med** 1986 Aug;145(2):251–3
Physicians and the death penalty. Thorburn KM. **West J Med** 1987 May;146(5):638–40
[Health status of children—now and in the year 2000. IV. Health care services for children and adolescents. The physician's role] **Ugeskr Laeger** 1987 May 25; 149(22):1487–9 **(Dan)**
[The Hygiene Committee: 50 years. Health for the year 2000] **Ugeskr Laeger** 1986 Nov 10;148(46):2987–3107 **(Dan)**
[Reporting of side effects of drugs in the Netherlands] Meyboom RH. **Ned Tijdschr Geneeskd** 1986 Oct 18; 130(42):1879–83 **(Dut)**
[On medical responsibility in geriatric psychiatry] Richard J, et al. **Ann Med Psychol (Paris)** 1987 Feb;145(2):145–53 (Eng. Abstr.) **(Fre)**
[Role of the anesthetist in the multidisciplinary consultation on chronic pain] Buchser E, et al. **Rev Med Suisse Romande** 1986 Nov;106(11):1041–6 (19 ref.) **(Fre)**
[Role of the neurosurgeon in the multidisciplinary consultation on chronic pain] Fankhauser H. **Rev Med Suisse Romande** 1986 Nov;106(11):1047–54 (26 ref.) **(Fre)**
[Emergency physician service and the postmortem] Lippert HD. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):73–5 **(Ger)**
[The role of the orthodontist on the cleft team] Zschiesche S. **Fortschr Kieferorthop** 1986 Oct;47(5):509–15 (Eng. Abstr.) **(Ger)**
[The family physician and self-help groups. 1: Self-help in health—principles, current structures and forms of organization] Hesse E. **Fortschr Med** 1987 Aug 10; 105(23):443–4 (7 ref.) (Eng. Abstr.) **(Ger)**
[Role of the family physician in interdisciplinary complex dispensary patient care] Dan J. **ZFA** 1986 Sep–Oct; 41(5):285–7 **(Ger)**
[Studies on the occupational maladjustment syndrome. (Part 3). In reference to the therapeutic system for the OMA syndrome and the industrial physician's roles] Natsume M, et al. **Sangyo Igaku** 1986 May;28(3):160–9 (Eng. Abstr.) **(Jpn)**
[Physicians against nuclear dangers] Wójtowicz JS. **Pol Przegl Radiol (Warszawa)** 1986 Nov–Dec;50(6):335–9 (17 ref.) **(Pol)**
[The physician as consultant] Marek Z. **Przegl Lek** 1986; 43(8):559–62 (Eng. Abstr.) **(Pol)**
[Problems of ethics and deontology in the work of physicians in the field of nutrition hygiene] Miroliubov NG, et al. **Gig Sanit** 1986 Aug;(8):51–4 **(Rus)**
[Problems in shaping the character of the social role of the dentist] Obraztsov IuL, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):88–9 **(Rus)**
[Various problems in detecting offenses associated with the spread of venereal diseases] Iatsukha MV, et al. **Vestn Dermatol Venerol** 1986;(12):32–5 (Eng. Abstr.) **(Rus)**
[The role and goals of a psychologist in the examination and treatment of cancer patients] Donskaia LV, et al. **Vopr Onkol** 1986;32(10):90–8 **(Rus)**
[The pediatrician and oral health] Barreiro D'aviña A, et al. **An Esp Pediatr** 1987 Jun;26(6):463–6 (Eng. Abstr.) **(Spa)**
[Knowledge of administration in family medicine] Kisil M. **Educ Med Salud** 1986;20(3):394–9 **(Spa)**
[The physician confronting the risks of nuclear war] Velasco Suárez M, et al. **Gac Med Mex** 1986 May–Jun; 122(5–6):135–47 **(Spa)**
[Now that I am dean... (editorial)] Jaim Etcheverry G. **Medicina (B Aires)** 1987;47(1):101–3 **(Spa)**
[Other responsibilities we have as pediatricians with our patients (editorial)] Toro C. **Rev Chil Pediatr** 1986 Mar–Apr;57(2):119–20 **(Spa)**

ROLE CONCEPT see **ROLE**

ROLE PLAYING see under **PSYCHODRAMA**

ROLITETRACYCLINE

ADMINISTRATION & DOSAGE

[Antimicrobial action of rolitetracycline in gelatin sponge packs (Marbagelan) in tympanoplasty] Mertens J, et al. **HNO** 1987 Jun;35(6):262–4 (Eng. Abstr.) **(Ger)**

METABOLISM

[Tetracycline in the evaluation of bone turnover] Carrozzo M, et al. **Minerva Med** 1987 Feb 28;78(4):243–6 (Eng. Abstr.) **(Ita)**

ROMBERG'S DISEASE see **FACIAL HEMIATROPHY**

RONIDAZOLE see under **NITROIMIDAZOLES**

ROOMING-IN CARE see under **INFANT CARE**

ROOT CANAL see **DENTAL PULP CAVITY**

ROOT CANAL FILLING MATERIALS

Overextended gutta-percha and Kloroperka N-O root canal fillings. Radiographic findings after 10–17 years. Halse A, et al. **Acta Odontol Scand** 1987 Jun;45(3):171–7
A study of the possibilities for using oils of fir, dwarf-pine, white pine and black pine as plasticisers for root-filling materials. Botoushanov P, et al. **Folia Med (Plovdiv)** 1986; 28(3):45–9
The use of root canal filling materials containing paraformaldehyde: a status report. Council on Dental Therapeutics. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1987 Jan;114(1):95
Biologic evaluation of SPAD. II. A clinical comparison of Traitement SPAD with the conventional root canal filling technique. Negm MM. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):487–93
The effect of an antibiotic/corticosteroid paste on inflammatory root resorption in vivo. Pierce A, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):216–20
Clinical and experimental observations on resinifying therapy. Wu MK, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):441–8
[An evaluation using transparency of various root canal

filling methods] Claisse D, et al.
Bull Group Int Rech Sci Stomatol Odontol 1986 Oct-Dec; 294(3-4):107-15 (Eng. Abstr.) **(Fre)**

[Studies on the conservative effects of material of root canal filling (calcium hydroxide added iodoform) on dog's tooth pulp—by observation of blood flow volume in the dental pulp] Nomura R. **Nippon Eiseigaku Zasshi** 1987 Feb; 41(6):880-6 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Evaluation of an iodoform paste in root canal therapy for infected primary teeth. Garcia-Godoy F.
ASDC J Dent Child 1987 Jan-Feb;54(1):30-4

McSpadden compactor. Vertical condensation technique to deliver calcium hydroxide. Teplitsky P.
Can Dent Assoc J 1986 Sep;52(9):779-81

ADVERSE EFFECTS

Paresthesia of the second division of the trigeminal nerve secondary to endodontic manipulation with N2. Orr DL 2d. **Headache** 1987 Jan;27(1):21-2

Facial pain of uncommon origin. Haidar Z.
Oral Surg Oral Med Oral Pathol 1987 Jun;63(6):748-9

Ultrastructural study of initial calcification in the rat subcutaneous tissues elicited by a root canal filling material. Kawakami T, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):360-5

PHARMACODYNAMICS

Effect of some endodontic sealers on cell migration in experimental granulomas. Feiglin B.
Oral Surg Oral Med Oral Pathol 1987 Mar;63(3):371-4

Subcutaneous reactions to implantation of tubes with AH26 and Grossman's sealer. Tagger M, et al.
Oral Surg Oral Med Oral Pathol 1986 Oct;62(4):434-40

[In vitro research on different root canal obturation technics and materials] Beer R, et al. **Zahn Mund Kieferheilkd** 1986; 74(8):800-6 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Hydron, a material for root canal obturation. An in vitro evaluation] Ingenito A, et al. **Minerva Stomatol** 1987 Apr; 36(4):253-8 (Eng. Abstr.) **(Ita)**

ROOT CANAL IRRIGANTS

The effect of a fluorocarbon surfactant on the surface tension of the endodontic irrigant, sodium hypochlorite. A preliminary report. Cameron JA. **Aust Dent J** 1986 Oct; 31(5):364-8

PHARMACODYNAMICS

In vitro infection and disinfection of dentinal tubules. Haapasalo M, et al. **J Dent Res** 1987 Aug;66(8):1375-9

The corrosive effect of root canal irrigants on endodontic instruments. Lin CP, et al.
Taiwan I Hsueh Hui Tsa Chih 1987 Feb;86(2):144-51

[Efficiency of root canal preparation with ultrasound using various irrigants] Velvart P.
Schweiz Monatsschr Zahnmed 1987;97(6):756-65 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Chelation and flotation in endodontic practice: an update. Stewart GG. **J Am Dent Assoc** 1986 Oct;113(4):618-22

ROOT CANAL MEDICAMENTS see **ROOT CANAL IRRIGANTS**

ROOT CANAL OBTURATION

[An evaluation using transparency of various root canal filling methods] Claisse D, et al.
Bull Group Int Rech Sci Stomatol Odontol 1986 Oct-Dec; 294(3-4):107-15 (Eng. Abstr.) **(Fre)**

METHODS

The significance of environmental contamination of sealer and gutta-percha before endodontic obturation. Klager P, et al. **Oral Surg Oral Med Oral Pathol** 1987 May; 63(5):606-9

[In vitro research on different root canal obturation technics and materials] Beer R, et al. **Zahn Mund Kieferheilkd** 1986; 74(8):800-6 (Eng. Abstr.) **(Ger)**

[Evaluation using radioisotopes (I125) of the airtightness of root canal obturation obtained with lateral and vertical condensation technics] De Fazio P, et al.
Minerva Stomatol 1987 Mar;36(3):175-8 (Eng. Abstr.) **(Ita)**

[Technic for the thermomechanical condensation of gutta-percha. An in vivo experiment] Rengo S, et al.
Minerva Stomatol 1986 Oct;35(10):961-6 (Eng. Abstr.) **(Ita)**

ROOT CANAL THERAPY

On cantilever loading of vital and non-vital teeth. An experimental clinical study. Randow K, et al.
Acta Odontol Scand 1986 Oct;44(5):271-7

Some problems encountered in endodontic radiography. Lim KC, et al. **Ann Acad Med Singapore** 1986 Jul;15(3):320-5

Evaluation of an iodoform paste in root canal therapy for infected primary teeth. Garcia-Godoy F.
ASDC J Dent Child 1987 Jan-Feb;54(1):30-4

Consequences of endodontic treatment of primary teeth. Part II. A clinical investigation into the influence of formocresol pulpotomy on the permanent successor. Mulder GR, et al. **ASDC J Dent Child** 1987 Jan-Feb;54(1):35-9

Consequences of endodontic treatment in primary teeth. Part I: A clinical and radiographic study of the influence of formocresol pulpotomy on the life-span of primary molars. van Amerongen WE, et al. **ASDC J Dent Child** 1986 Sep-Oct;53(5):364-70

Periapical status in subjects with regular dental care habits. Bergström J, et al. **Community Dent Oral Epidemiol** 1987 Aug;15(4):236-9

Periodontal surgery as an adjunct to endodontics, orthodontics, and restorative dentistry. Davis JW, et al. **J Am Dent Assoc** 1987 Aug;115(2):271-5

Ultrasonic endodontics: a clinical review. Johnson TA, et al. **J Am Dent Assoc** 1987 May;114(5):655-7 (20 ref.)

A comparison of three restorative techniques for endodontically treated anterior teeth. Brandal JL, et al. **J Prosthet Dent** 1987 Aug;58(2):161-5

Restoration of posterior pulpless teeth: amalgam overlay versus cast gold onlay restoration. Liberman R, et al.
J Prosthet Dent 1987 May;57(5):540-3

Cross-splinting a weakened tooth with a horizontal pin: a new method. Mondelli J, et al. **J Prosthet Dent** 1987 Apr; 57(4):442-5

Reconstructive materials for endodontically treated teeth. Taleghani M, et al. **J Prosthet Dent** 1987 Apr;57(4):446-9

Biologic evaluation of SPAD. II. A clinical comparison of Traitement SPAD with the conventional root canal filling technique. Negm MM.
Oral Surg Oral Med Oral Pathol 1987 Apr;63(4):487-93

Effect of the endodontic status of the tooth on experimental periodontal reattachment in baboons: a preliminary investigation. Perlmutter S, et al.
Oral Surg Oral Med Oral Pathol 1987 Feb;63(2):232-6

Endodontic therapy for dens invaginatus in a maxillary second premolar. Rotstein I, et al.
Oral Surg Oral Med Oral Pathol 1987 Feb;63(2):237-40

Bacteriologic evaluation of ultrasonic root canal instrumentation. Sjögren U, et al.
Oral Surg Oral Med Oral Pathol 1987 Mar;63(3):366-70

On decision making in endodontics. A study of diagnosis and management of periapical lesions in endodontically treated teeth. Reit C. **Swed Dent J [Suppl]** 1986;41:1-30

[Combined endodontic orthodontic treatment of subgingival transverse anterior root fracture in children and adolescents] Deng H.
Chung Hua Kou Chiang Ko Tsa Chih 1986 Jan;21(1):26-7, 62 (Eng. Abstr.) **(Chi)**

[The correct access cavity in endodontic treatment] Franchi M, et al. **Minerva Stomatol** 1986 Oct;35(10):953-9 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Corticosteroid as anodyne for endodontic pain. A pilot study. Goldberg JM, et al. **Ann Dent** 1986 Winter;45(2):3-5, 10

Accidental undetected root resorption [letter] Schuler LH.
Br Dent J 1986 Sep 20;161(6):202

Endodontic implications of root fractures [letter] Matusow RJ. **J Am Dent Assoc** 1987 Jun;114(6):766

Fracture resistance of endodontically prepared teeth using various restorative materials. Oliveira F de C, et al.
J Am Dent Assoc 1987 Jul;115(1):57-60

Endodontic retreatment considerations. Spasser HF.
NY State Dent J 1986 Nov;52(9):19, 21, 24

Surgical treatment of iatrogenic canal blockages. Block RM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun; 63(6):722-32

Prednisone treatment for injury and compression of inferior alveolar nerve: report of a case of anesthesia following endodontic overfilling. Gatot A, et al.
Oral Surg Oral Med Oral Pathol 1986 Dec;62(6):704-6

Flare-up with associated paresthesia of a mandibular second premolar with three root canals. Glassman GD.
Oral Surg Oral Med Oral Pathol 1987 Jul;64(1):110-3

Infectious flare-ups and serious sequelae following endodontic treatment: a prospective randomized trial on efficacy of antibiotic prophylaxis in cases of asymptomatic pulpal-periapical lesions. Morse DR, et al.
Oral Surg Oral Med Oral Pathol 1987 Jul;64(1):96-109

Complications of endodontic therapy in florid osseous dysplasia. Schneider LC, et al.
Oral Surg Oral Med Oral Pathol 1987 Jul;64(1):114-6

INSTRUMENTATION

Clinical evaluation of an electronic root canal measuring device. Abbott PV. **Aust Dent J** 1987 Feb;32(1):17-21

'A home-made apex locator' [letter] **Br Dent J** 1987 Feb 7;162(3):94, 96

A home-made apex locator. Foreman PC, et al.
Br Dent J 1986 Nov 8;161(9):336-7

A home-made apex locator [letter] Selwyn SL.
Br Dent J 1987 Apr 25;162(8):294

McSpadden compactor. Vertical condensation technique to deliver calcium hydroxide. Teplitsky P.
Can Dent Assoc J 1986 Sep;52(9):779-81

The optimal instrument design for canal preparation. Roane JB, et al. **J Am Dent Assoc** 1986 Oct;113(4):596-7

A new method and apparatus for measuring root canal length. Hasegawa K, et al. **J Nihon Univ Sch Dent** 1986 Jun; 28(2):117-28

[Root canal preparation using high-speed instruments] Suter B, et al. **Schweiz Monatsschr Zahnmed** 1986 Aug; 96(8):919-34 (Eng. Abstr.) **(Ger)**

[Efficiency of root canal preparation with ultrasound using various irrigants] Velvart P.
Schweiz Monatsschr Zahnmed 1987;97(6):756-65 (Eng. Abstr.) **(Ger)**

METHODS

Overextended gutta-percha and Kloroperka N-O root canal fillings. Radiographic findings after 10-17 years. Halse A, et al. **Acta Odontol Scand** 1987 Jun;45(3):171-7

Endodontic and restorative management of a resorbed eight-unit fixed partial denture abutment tooth: report of case. Brady WF. **J Am Dent Assoc** 1987 Aug;115(2):277-81

Chelation and flotation in endodontic practice: an update. Stewart GG. **J Am Dent Assoc** 1986 Oct;113(4):618-22

Clinical and experimental observations on resinifying therapy. Wu MK, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):441-8

[Comparative study of 2 technics of root canal treatment] Ciucchi B, et al. **Schweiz Monatsschr Zahnmed** 1986 Dec; 96(12):1463-79 (Eng. Abstr.) **(Fre)**

[Experience with the use of the metronidazole-containing paste (Grinazole) in root canal therapy of gangrenous teeth] Nyárasdy I, et al. **Fogorv Sz** 1987 May;80(5):149-52 (Eng. Abstr.) **(Hun)**

[Conservative endodontic therapy of deciduous and permanent teeth in children] Amato M, et al.
Minerva Stomatol 1987 Jun;36(6):475-80 (Eng. Abstr.) **(Ita)**

[New method of regluing a crown fragment on an endodontically treated tooth] Riccitiello F, et al.
Minerva Stomatol 1986 Nov;35(11):1057-63 (Eng. Abstr.) **(Ita)**

[Ultrasonic treatment of dental root canals] Berezhnoi VP, et al. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):28-9 (Eng. Abstr.) **(Rus)**

VETERINARY

Endodontics. Williams CA.
Vet Clin North Am [Small Anim Pract] 1986 Sep; 16(5):875-93

ROOT RESORPTION

COMPLICATIONS

Amelogenesis imperfecta with progressive root resorption. Walls AW. **Br Dent J** 1987 Jun 20;162(12):466-7

DIAGNOSIS

Accidental undetected root resorption [letter] Stern HI.
Br Dent J 1986 Nov 22;161(10):356

DRUG EFFECTS

The effects of indomethacin on resorption and ankylosis in replanted teeth. Walsh JS, et al. **ASDC J Dent Child** 1987 Jul-Aug;54(4):261-6

DRUG THERAPY

The effect of an antibiotic/corticosteroid paste on inflammatory root resorption in vivo. Pierce A, et al.
Oral Surg Oral Med Oral Pathol 1987 Aug;64(2):216-20

ETIOLOGY

Apical root resorption of upper incisors caused by intrusive tooth movement: a radiographic study. Dermaut LR, et al. **Am J Orthod Dentofacial Orthop** 1986 Oct;90(4):321-6

Orthodontic relapse, apical root resorption, and crestal alveolar bone levels. Sharpe W, et al.
Am J Orthod Dentofacial Orthop 1987 Mar;91(3):252-8

Root resorption—an unusual presentation. Kingon A.
Aust Dent J 1987 Apr;32(2):95-8

Root resorption [letter] Martin AP. **Aust Dent J** 1986 Jun; 31(3):230-1

Iatrogenic root resorption of upper first permanent molars associated with orthodontic treatment. Report of a case. Hill FJ. **Br J Orthod** 1987 Apr;14(2):109-13

Tooth resorption associated with the eruption of maxillary canines. Knight H. **Br J Orthod** 1987 Jan;14(1):21-31

Apical root resorption [letter] DiPalma DM.
J Am Dent Assoc 1987 Aug;115(2):126

[Various problems related to the use of multi-attachment appliances] Netter JC, et al.
Rev Stomatol Chir Maxillofac 1986;87(3):142-5 (Eng. Abstr.) **(Fre)**

[Root resorption. Its etiopathogenesis, diagnosis and therapeutic outlook] De Fazio P, et al.
Minerva Stomatol 1986 Nov;35(11):1013-9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Cellular colonization of denuded root surfaces in vivo: cell

morphology in dentin resorption and cementum repair. Lindskog S, et al. **J Clin Periodontol** 1987 Aug;14(7):390–5
Histometric study of root resorption on human premolars following experimental replantation. Breivik M, et al. **Scand J Dent Res** 1987 Aug;95(4):273–80
[Pathologic triad or more during teething?] Hoffmeister H. **Fortschr Kieferorthop** 1986 Aug;47(4):327–9 **(Ger)**

PHYSIOPATHOLOGY

Root resorption potentials of granulation tissue from bone and flap connective tissue. Aukhil I, et al. **J Periodont Res** 1986 Sep;21(5):531–42

THERAPY

Endodontic and restorative management of a resorbed eight-unit fixed partial denture abutment tooth: report of case. Brady WF. **J Am Dent Assoc** 1987 Aug;115(2):277–81

RORSCHACH TEST

Characteristics of American and Japanese schizophrenic patients elicited by the Rorschach technique and demographic data. Suzuki A, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):50–5
The high score approach to scoring two Rorschach measures of cognitive development. Ridley SE. **J Clin Psychol** 1987 May;43(3):390–4
Psychosomatic diseases and the Rorschach test. Bash KW. **J Pers Assess** 1986 Fall;50(3):350–7 (19 ref.)
The development of primary process in children's Rorschachs. Caprara GV, et al. **J Pers Assess** 1986 Summer;50(2):149–70
Some Rorschach data comparing schizophrenics with borderline and schizotypal personality disorders. Exner JE. **J Pers Assess** 1986 Fall;50(3):455–71
A conceptual model and case study for the psychological assessment of hysterical pseudo-seizures with the Rorschach. Lovitt R. **J Pers Assess** 1987 Summer; 51(2):207–19
The development and evaluation of an online computer-assisted Rorschach Inkblot Test. Miller FE. **J Pers Assess** 1986 Summer;50(2):222–8
The role of perceptual laws in the Rorschach test. Vizcarro-Guarch C, et al. **J Pers Assess** 1987 Spring; 51(1):82–94
Conceptual and empirical perspectives on the Rorschach assessment of psychopathology. Weiner IB. **J Pers Assess** 1986 Fall;50(3):472–9
Rorschach assessment of borderline children. Pfefferbaum B, et al. **J Psychol** 1987 May;121(3):219–28
Duration of exposure of Rorschach stimuli. Fernández-Ballesteros R, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1051–4
Psychometric patterns on the Rorschach of healthy elderly persons and patients with suspected dementia. Insua AM, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):931–6
Rorschach correlates of state and trait anxiety in college students. Martin JD, et al. **Percept Mot Skills** 1987 Apr; 64(2):539–43
Effects of learned helplessness on Rorschach responses. Rozensky RH, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):1011–6
The Rorschach Interaction Scale as a potential predictor of cancer. Graves PL, et al. **Psychosom Med** 1986 Nov–Dec; 48(8):549–63
[Apropos of projective tests conducted on substance-dependent clients] Moralès M. **Psychiatr Enfant** 1986;29(2):421–67 (Eng. Abstr.) **(Fre)**
[Proposal for automating the marking and numerical summarizing of the Rorschach Test using a home computer] Borla E, et al. **Minerva Psichiatr** 1986 Oct–Dec; 27(4):315–8 (Eng. Abstr.) **(Ita)**
[The Ranking Rorschach Test in neurotics] Scarso G, et al. **Minerva Psichiatr** 1986 Oct–Dec;27(4):311–3 (Eng. Abstr.) **(Ita)**

ROSA see **PLANTS, MEDICINAL**

ROSACEA

Rosacea. Rebora A. **J Invest Dermatol** 1987 Mar;88(3 Suppl):56s–60s (73 ref.)
Ocular rosacea. Browning DJ, et al. **Surv Ophthalmol** 1986 Nov–Dec;31(3):145–58 (95 ref.)

BLOOD

[Macro- and trace element content of the blood plasma in rosacea patients] Alekseev IuV, et al. **Vestn Dermatol Venerol** 1986;(7):13–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Multiple chalazia and rosacea in a patient treated with amiodarone. Reifler DM, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):594–5

COMPLICATIONS

Rosacea is not associated with skin cancer. Dupont C. **Arch Dermatol** 1986 Oct;122(10):1099
Contact dermatitis with rosacea. Bardazzi F, et al. **Contact Dermatitis** 1987 May;16(5):298
Dermatological diseases and the peripheral cornea. Mondino BJ, et al. **Int Ophthalmol Clin** 1986 Winter;26(4):121–36

DRUG THERAPY

Isotretinoin treatment of rosacea. Turjanmaa K, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):89–91
Topical metronidazole therapy for rosacea. Bleicher PA, et al. **Arch Dermatol** 1987 May;123(5):609–14
Topical metronidazole in the treatment of rosacea. Veien NK, et al. **Cutis** 1986 Sep;38(3):209–10
Evaluation of topical metronidazole gel in acne rosacea. Aronson IK, et al. **Drug Intell Clin Pharm** 1987 Apr; 21(4):346–51
Impact of topical metronidazole on the skin and colon microflora in patients with rosacea. Eriksson G, et al. **Infection** 1987 Jan–Feb;15(1):8–10
Rosacea and rosacea-like demodicidosis [letter] Ayres S Jr. **Int J Dermatol** 1987 Apr;26(3):198–9
Treatment of rosacea with isotretinoin. Hoting E, et al. **Int J Dermatol** 1986 Dec;25(10):660–3

ETIOLOGY

Sarcoidal reaction to lymphoma presenting as granulomatous rosacea. Sherertz EF, et al. **Arch Dermatol** 1986 Nov; 122(11):1303–5
Rosacea: disease or reaction pattern? [editorial] Ramelet AA. **Dermatologica** 1986;173(2):53–6
The role of sunshine in rosacea [letter] Dupont C. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):713–4

PATHOLOGY

Extrafacial rosacea is rare but does exist [letter] Ayres S Jr. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):391–2
Acne rosacea in blacks. Rosen T, et al. **J Am Acad Dermatol** 1987 Jul;17(1):70–3
Nasal septal carcinoma masquerading as acne rosacea. Law TH, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):1021–4
[Demodicosis—a rosaceiform dermatosis] Wätzig V, et al. **Dermatol Monatsschr** 1987;173(3):158–62 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Defective video displays, shields, and skin problems [letter] Berg M, et al. **Lancet** 1987 Apr 4;1(8536):800

RADIONUCLIDE IMAGING

[Liver function of rosacea patients based on radionuclide study data] Glukhen'kiĭ BT, et al. **Vestn Dermatol Venerol** 1986;(7):38–40 (Eng. Abstr.) **(Rus)**

SURGERY

Rhinophyma. Wiemer DR. **Clin Plast Surg** 1987 Apr; 14(2):357–65
Combined carbon dioxide laser excision and vaporization in the treatment of rhinophyma. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):172–7
Rhinophyma: a surgical management. Cheney ML, et al. **J La State Med Soc** 1987 Feb;139(2):13–4, 17–8
CO2 laser vaporization for treatment of rhinophyma. Roenigk RK. **Mayo Clin Proc** 1987 Aug;62(8):676–80

THERAPY

[Complex therapy of patients with acne rosacea] Orazymbetova DA. **Vestn Dermatol Venerol** 1987;(6):60–1 (Eng. Abstr.) **(Rus)**

ROSAMICINS see **LEUCOMYCINS**

ROSAMYCINS see **LEUCOMYCINS**

ROSANILINE DYES

Temperature dependence of the absorption spectrum of Coomassie Brilliant Blue. Hofmann W, et al. **Clin Chem** 1986 Oct;32(10):1989
Effects of chemistry, manufacturing and concentration of the dye basic fuchsin regarding its use in quantitative cytophotometry. Yemma JJ, et al. **Cytobios** 1987; 50(200):13–28
Determination of protein by Coomassie dye-binding in agarose gels. George R, et al. **J Biochem Biophys Methods** 1986 Nov;13(4–5):221–9
[Use of coomassie Brilliant Blue G-250 in photometric protein determination] Mamedov MK, et al. **Lab Delo** 1987; (3):217–20 (Eng. Abstr.) **(Rus)**

ANALYSIS

Photothermal quantitation of nanogram quantities of Coomassie brilliant blue stained proteins in denaturing polyacrylamide gels. Peck K, et al. **Anal Chem** 1986 Nov; 58(13):2876–9
Mechanism studies of coomassie blue and silver staining of proteins. de Moreno MR, et al. **J Pharm Sci** 1986 Sep; 75(9):907–11

DIAGNOSTIC USE

Application of coomassie brilliant blue staining to cultured hepatocytes. Mochizuki Y, et al. **Cell Biol Int Rep** 1987 May;11(5):367–71

ISOLATION & PURIFICATION

Purification of methyl green using polyamide. Andersen AP, et al. **Histochem J** 1986 Aug;18(8):461–2

METABOLISM

Detection of mutagenic activity in the urine of rodents treated with p-rosaniline. Lawlor TE, et al. **Environ Mutagen** 1987;9(1):69–78

ROSARAMICINS see **LEUCOMYCINS**

ROSE BENGAL

A new method for vascular occlusion. Photochemical initiation of thrombosis. Nanda SK, et al. **Arch Ophthalmol** 1987 Aug;105(8):1121–4
Laser flash photokinetic studies of rose bengal sensitized photodynamic interactions of nucleotides and DNA. Lee PC, et al. **Photochem Photobiol** 1987 Jan;45(1):79–86

DIAGNOSTIC USE

[Dynamic scintigraphy of the liver using 131I-rose bengal and the bile acid content of the blood following gastrectomy for cancer] Lekhtman AM, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):35–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Pharmacokinetics and biliary excretion of rose bengal in rats with acute and chronic renal failure. Silberstein DJ, et al. **J Pharm Pharmacol** 1987 May;39(5):395–8

ROSENZWEIG PICTURE-FRUSTRATION STUDY see under **PROJECTIVE TECHNICS**

ROSETTE FORMATION

Spontaneous sheep red cell rosetting (E-rosetting) by malignant epithelial cells in effusions [letter] Chandra M, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):383–4
Dog erythrocyte rosette-forming lymphocyte: blockage by OKT11 monoclonal antibody. Nishiya K, et al. **Acta Med Okayama** 1987 Feb;41(1):37–41
Identification of T-lymphocytes in clinical practice. Seidlová V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985; 111:259–66
Functional properties of lectin-induced thermostable SE rosette (TSER)-forming cells derived from human peripheral blood. Jahn S, et al. **Allerg Immunol (Leipz)** 1987; 33(1):21–6
On the interrelations of immune and mediator receptors of mice lymphocytes. Alexeeva TA, et al. **Allergol Immunopathol (Madr)** 1986 Jul–Aug;14(4):325–7
Characterization of feline T and B cells. Kuramochi T, et al. **Am J Vet Res** 1987 Feb;48(2):183–5
Different E-rosetting properties of human peripheral blood NK- and K-cells. Jantscheff P, et al. **Arch Geschwulstforsch** 1986;56(5):335–9
Aging influence on the E-rosette forming cells, spontaneous cell mediated cytotoxicity, and antibody dependent cellular cytotoxicity in humans. Olinescu A, et al. **Arch Immunol Ther Exp (Warsz)** 1987;35(1):1–10
Separation of human lymphocyte subclasses by rosettes with latex-lectin particles. De Dios I, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):12–7
Neutrophil FC-receptor expression in cells of the circulating and marginated pools. Baglin TP, et al. **Br J Haematol** 1987 Apr;65(4):387–9
Evaluation of E and EAC rosette-forming cells in patients with thermal injuries. Priya D, et al. **Burns Incl Therm Inj** 1986 Oct;12(7):475–8
An intrinsic suppressor cell-controlling formation of autologous rosettes in peripheral mouse lymphocytes. Wieczorek Z, et al. **Cell Immunol** 1986 May;99(2):500–6
Modulations in the erythrocyte rosetting ability of mouse neuroblastoma cells. Deugnier MA, et al. **Cell Mol Biol** 1986;32(5):555–63
Receptors for mouse erythrocytes on human immature B lymphocytes: still a valuable tool in immunohaematology. Youinou PY, et al. **Diagn Clin Immunol** 1987;5(2):112–4
A new density gradient for the separation of large quantities of rosette-positive and rosette-negative cells. Dooley DC, et al. **Exp Hematol** 1987 Mar;15(3):296–303
Morphometric ultrastructural evaluation of human peripheral blood T lymphocyte subpopulations isolated on the basis of their affinity for sheep red blood cells. Slubowski T, et al. **Folia Haematol (Leipz)** 1987;114(2):212–9
T cell derived IgE binding factors inhibit IgE-specific rosettes on basophilic leukaemic cells and lymphocytes. Firer MA, et al. **Immunol Lett** 1986 Aug;13(1–2):1–5
Cell mediated immunity in tuberculoid leprosy—a study of 'T' lymphocyte population by 'E' rosetty technique. Behra RN, et al. **Indian J Public Health** 1986 Apr–Jun;30(2):85–90
Infectious mononucleosis: increase of high-affinity E-receptor-bearing lymphocytes. Naess A, et al.

Int Arch Allergy Appl Immunol 1987;83(2):178–81

Effect of organophosphoric pesticides on the behaviour of NBT–dye reduction and E rosette formation tests in human blood. Wysocki J, et al.
Int Arch Occup Environ Health 1987;59(1):63–71

Rosetting of activated human T lymphocytes with autologous erythrocytes. Definition of the receptor and ligand molecules as CD2 and lymphocyte function–associated antigen 3 (LFA–3). Plunkett ML, et al. **J Exp Med** 1987 Mar 1;165(3):664–76

Three different erythrocyte surface molecules are required for spontaneous T cell rosette formation. Bernard A, et al. **J Immunol** 1987 Jul 1;139(1):18–23

Multiple myeloma: an immunologic profile. IV. The EA rosette–forming cell is a Leu–1 positive immunoregulatory B cell. MacKenzie MR, et al. **J Immunol** 1987 Jul 1; 139(1):24–8

Human T cell rosetting is mediated by LFA–3 on autologous erythrocytes. Makgoba MW, et al. **J Immunol** 1987 Jun 1;138(11):3587–9

Detection of ecto–5'–nucleotidase on rat B and T lymphocyte subpopulations using a monoclonal antibody in rosetting reactions. Carvalho GS, et al. **J Immunol Methods** 1987 Aug 24;102(1):119–26

Specific selection of lymphocyte subpopulations by avidin–biotin immune rosetting. Lucas PJ, et al.
J Immunol Methods 1987 May 20;99(2):185–90

Immune rosettes of T and B lymphocytes in infertile women with endometriosis. Badawy SZ, et al. **J Reprod Med** 1987 Mar;32(3):194–7

Correlation between stable E–rosette formation and induction of alloantigen specific MLR suppressor cells in human mixed lymphocyte culture. Yahata H, et al.
Jpn J Exp Med 1986 Dec;56(6):257–64

[The importance of the E rosette test in multiple sclerosis] Ryšková O, et al.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 1984;27(4):425–9 (Eng. Abstr.) **(Cze)**

[Impairment of sheep erythrocyte rosette formation by sera from patients with bullous pemphigoid] Schaller J, et al.
Dermatol Monatsschr 1986;172(9):535–40 (Eng. Abstr.) **(Ger)**

[A case of acute myelogenous leukemia with E–rosette–forming myeloblasts] Hirata J, et al.
Rinsho Ketsueki 1986 Jun;27(6):930–5 (Eng. Abstr.) **(Jpn)**

[Value of determining the total E–rosettes in the pleural fluid] Mihăiescu T, et al. **Rev Ig [Pneumoftiziol]** 1986 Oct–Dec; 35(4):333–9 (Eng. Abstr.) **(Rum)**

[Cytochemical characteristics of blast cells forming autologous rosettes in acute lymphoblastic leukemia in children] Nadgornaia VA, et al. **Eksp Onkol** 1987;9(2):24–8 (Eng. Abstr.) **(Rus)**

METHODS

E–rosetting of guinea pig lymphocytes with lyophilized rabbit red cells after treatment with papain and glutaraldehyde. Ota F, et al.
Int Arch Allergy Appl Immunol 1987;83(1):72–6

Direct antibody rosette–forming reactions using monoclonal markers of lymphocyte subpopulations. Methodology and applications illustrated by investigations with rat pan–T antibodies of the CAMPATH series. Wilson AB, et al.
J Immunol Methods 1986 Sep 27;92(2):241–9

[Quantitative determination of human lymphocyte subpopulations by rosette technics] Galatiuc C, et al.
Rev Ig [Bacteriol] 1987 Jan–Mar;32(1):53–67 **(Rum)**

[Limitations of the theophylline test for determining T–suppressors in man] Tsoi IG, et al. **Lab Delo** 1987; (4):281–4 (Eng. Abstr.) **(Rus)**

ROSS RIVER VIRUS see under **ALPHAVIRUSES**

ROTATION

Stability of fixation in femoral neck fractures. Comparison of four fixation devices in vivo and in cadavers. Elmerson S, et al. **Acta Orthop Scand** 1987 Apr;58(2):109–12

The dopamine–gamma aminobutyric acid interaction in the striatum of the rat is differently regulated by dopamine D–1 and D–2 types of receptor: evidence obtained with rotational behavioural experiments. Herrera–Marschitz M, et al. **Acta Physiol Scand** 1987 Mar;129(3):371–80

A two–factor model of rotation–induced motion sickness syndrome in squirrel monkeys. Wilpizeski CR, et al.
Am J Otolaryngol 1987 Jan–Feb;8(1):7–12

Differences in the rotation spectra of mouse oocytes and zygotes. Fuhr G, et al. **Biochim Biophys Acta** 1987 Aug 19;930(1):65–71

Electrorotation of lymphocytes—the influence of membrane events and nucleus. Ziervogel H, et al. **Biosci Rep** 1986 Nov;6(11):973–82

Response characteristics of neurons in the cat vestibular nuclei during slow and constant velocity off–vertical axes rotations in the clockwise and counterclockwise rotations. Chan YS, et al. **Brain Res** 1987 Mar 17;406(1–2):294–301

Vestibulo–ocular reflex (VOR) induced by passive head rotation and goal–directed saccadic eye movements do not simply add in man. Pelisson D, et al. **Brain Res** 1986 Aug 20;380(2):397–400

Age–related slowing in mental rotation of three–dimensional objects. Puglisi JT, et al. **Exp Aging Res** 1986 Winter; 12(4):217–20

Decline of natural killer cell target binding and lytic activity in mice exposed to rotation stress. Kandil O, et al.
Health Psychol 1987;6(2):89–99

The Torsion Swing Chair test: a ratio method for quantifying nystagmus. Kasden SD. **J Aud Res** 1986 Jan;26(1):11–7

An electrogoniometer for the measurement of thoracolumbar rotation. Quanbury AO, et al. **J Biomech** 1986;19(10):791–7

Response of the flagellar rotary motor to abrupt changes in extracellular pH. Shimada K, et al. **J Mol Biol** 1987 Feb 5;193(3):585–9

Reflex and mechanical contributions to head stabilization in alert cats. Goldberg J, et al. **J Neurophysiol** 1986 Sep; 56(3):857–75

Prosthetic management and functional evaluation of patients with resection of the distal femur and rotationplasty. Knahr K, et al. **Orthopedics** 1987 Sep;10(9):1241–8

Evaluation of kinetic therapy in the prevention of complications of prolonged bed rest secondary to stroke. Kelley RE, et al. **Stroke** 1987 May–Jun;18(3):638–42

Periodicity in orientation discrimination and the unconfounding of visual information. Regan D, et al.
Vision Res 1986;26(8):1299–302

[Significance of postrotatorius II within the scope of the rotatory test] Eichhorn T, et al.
Laryngol Rhinol Otol (Stuttg) 1986 Aug;65(8):459–64 (Eng. Abstr.) **(Ger)**

[Autoradiographic studies of changes in glucose uptake in vestibular nuclei and cerebellum by rotatory stimulation—with special reference to difference between left and right vestibular nucleus] Mori I.
Nippon Jibiinkoka Gakkai Kaiho 1987 Feb;90(2):221–9 (Eng. Abstr.) **(Jpn)**

[Influence of long–term repeated rotatory stimulation on function and morphology of lateral semicircular canals] Usami S. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb; 90(2):230–9 (Eng. Abstr.) **(Jpn)**

ROTAVIRUS INFECTIONS

Rotavirus gastroenteritis. Bartlett AV 3d, et al.
Annu Rev Med 1987;38:399–415 (95 ref.)

[Viral and bacterial etiology of acute infantile gastroenteritis in Kinshasa, Zaire] Luki Nganda Y, et al.
Ann Soc Belg Med Trop 1986;66(4):331–7 (Eng. Abstr.) **(Fre)**

[Infectious diarrhea in children. Results of a prospective study concerning various epidemiological and clinical aspects of infectious diarrhea in children] Nielsen J, et al.
Schweiz Med Wochenschr 1987 Apr 4;117(14):518–26 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Anti–rotavirus antibody in cerebrospinal fluid. Ushijima H, et al. **Arch Dis Child** 1987 Mar;62(3):298–9

COMPLICATIONS

Preliminary study on rotavirus diarrhoea in hospitalized children at Hanoi. Doan TN, et al.
J Diarrhoeal Dis Res 1986 Jun;4(2):81–2

DIAGNOSIS

Rotavirus persistence in malabsorption syndrome: virus assessment by immunofluorescence in small intestine biopsies in relation to antibody titres. Körting HJ, et al.
Acta Virol (Praha) 1987 Jan;31(1):31–5

Rotavirus gastroenteritis. Clinical and laboratory features and use of the Rotazyme test. Kovacs A, et al.
Am J Dis Child 1987 Feb;141(2):161–6

Comparison of four commercial assays for detection of rotavirus in childhood gastroenteritis. de Vries WP, et al.
Eur J Clin Microbiol 1986 Oct;5(5):542–4

Diagnostic significance of specific IgA coproconversion in rotavirus infection [letter] Shinozaki T, et al.
Eur J Pediatr 1986 Dec;145(6):581–2

Review of frequency–pulsed electron–capture gas–liquid chromatography studies of diarrheal diseases caused by members of the family Enterobacteriaceae, Clostridium difficile, and rotavirus. Brooks JB. **J Clin Microbiol** 1986 Nov;24(5):687–91 (19 ref.)

Comparative evaluation of a commercial enzyme–linked immunoassay and solid–phase immune electron microscopy for rotavirus detection in stool specimens. Gerna G, et al.
J Clin Microbiol 1987 Jun;25(6):1137–9

Evaluation of a latex agglutination test for rapid detection of rotavirus in faecal specimens. Spencker FB, et al.
J Hyg Epidemiol Microbiol Immunol 1987;31(1):65–8

cDNA probes of individual genes of human rotavirus distinguish viral subgroups and serotypes. Lin M, et al.
J Virol Methods 1987 Mar;15(4):285–9

An assessment of the sensitivity of three methods for the detection of rotavirus. Martin AL, et al.
J Virol Methods 1987 May;16(1–2):39–44

Occult blood and faecal leucocyte tests in acute infectious diarrhoea in children [letter] Paccagnini S, et al. **Lancet** 1987 Feb 21;1(8530):442

Self–contained enzymic membrane immunoassay for detection of rotavirus antigen in clinical samples. Yolken RH, et al. **Lancet** 1986 Dec 6;2(8519):1305–7

Necrotizing enterocolitis and human rotavirus [letter] Harris L, et al. **Med J Aust** 1983 Feb 5;1(3):104–5

Detection of group rotavirus antigen with Romanian ELISA kits in the acute gastroenteritis of the infant and young child. Strat E, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):323–5

[Infectious viral diarrheas. Comparison of research methods for rotaviruses] Goudeau A, et al. **Ann Biol Clin (Paris)** 1986;44(4):406–9 (Eng. Abstr.) **(Fre)**

[Possibilities and limits in the detection of nosocomial rotavirus infections] Reigel F, et al. **Helv Paediatr Acta** 1985 Apr;40(1):29–38 (Eng. Abstr.) **(Ger)**

[Asymptomatic excretors of rotavirus] Horst H, et al.
Infection 1986 Jul–Aug;14(4):163–6 (Eng. Abstr.) **(Ger)**

[Detection of mixed rotavirus infections by the viral RNA test] Szücs G, et al. **Orv Hetil** 1987 Feb 1;128(5):255–7 (Eng. Abstr.) **(Hun)**

[Antigen detection with monoclonal antibodies: 2. Detection of human rotavirus subgroups] Konno T. **Rinsho Byori** 1987 May;35(5):535–8 (10 ref.) **(Jpn)**

[Technics used in viral genetics as an alternative means of diagnosing viral diseases] Nakagomi O. **Rinsho Byori** 1986 Dec;34(12):1356–61 **(Jpn)**

[Diarrhea caused by rotaviruses in infants] Rymgayllo–Katska M, et al. **Przegl Epidemiol** 1986; 40(4):381–6 (Eng. Abstr.) **(Pol)**

[Clinico–laboratory characteristics of rotavirus infections in children] Strelkova MR, et al. **Pediatriia** 1987;(1):52–5 **(Rus)**

[Immunoenzyme analysis in the diagnosis of human rotavirus gastroenteritis (methodological aspects)] Gorbachev EN, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):743–6 **(Rus)**

[Diagnosis of human rotavirus infection by the dot hybridization method] Kras'ko AG, et al. **Vopr Virusol** 1987 Mar–Apr;32(2):208–12 (Eng. Abstr.) **(Rus)**

[Use of immunoenzyme analysis for the diagnosis of rotavirus gastroenteritis in children] Makarova NG, et al.
Vopr Virusol 1987 Jan–Feb;32(1):116–9 **(Rus)**

[Incidence of rotaviruses in the feces of neonates determined by the ROTA–ELISA–Bioveta immunoenzyme test kit] Seťčovičová L, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Feb;36(1):10–6 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Serum transaminase elevations in infants with rotavirus gastroenteritis. Kovacs A, et al.
J Pediatr Gastroenterol Nutr 1986 Nov–Dec;5(6):873–7

ETIOLOGY

Modulation of rotavirus enteritis during breast–feeding. Implications on alterations in the intestinal bacterial flora. Duffy LC, et al. **Am J Dis Child** 1986 Nov;140(11):1164–8

Birthweight and rotavirus infection in Nigerian infants. Oyejide CO, et al. **East Afr Med J** 1986 Aug;63(8):511–4

FAMILIAL & GENETIC

Longitudinal study of rotavirus infection and gastroenteritis in families served by a pediatric medical practice: clinical and epidemiologic observations. Rodriguez WJ, et al.
Pediatr Infect Dis J 1987 Feb;6(2):170–6

IMMUNOLOGY

Experimental infection of specific–pathogen–free chickens with avian rotaviruses. Yason CV, et al. **Avian Dis** 1986 Jul–Sep;30(3):551–6

Heterologous protection against rotavirus–induced disease in gnotobiotic piglets. Bishop RF, et al. **J Clin Microbiol** 1986 Dec;24(6):1023–8

Comparison of methods for detection of serum antibody to murine rotavirus. Ferner WT, et al. **J Clin Microbiol** 1987 Aug;25(8):1364–9

Detection of antibody to group B adult diarrhea rotaviruses in humans. Nakata S, et al. **J Clin Microbiol** 1987 May; 25(5):812–8

Prevalent patterns of serotype–specific seroconversion in Mexican children infected with rotavirus. Puerto FI, et al. **J Clin Microbiol** 1987 May;25(5):960–3

Protection between different serotypes of bovine rotavirus in gnotobiotic calves: specificity of serum antibody and coproantibody responses. Woode GN, et al.
J Clin Microbiol 1987 Jun;25(6):1052–8

Serum antibody responses to individual viral polypeptides in human rotavirus infections. Svensson L, et al.
J Gen Virol 1987 Mar;68 (Pt 3):643–51

Human rotavirus studies in volunteers: determination of infectious dose and serological response to infection. Ward RL, et al. **J Infect Dis** 1986 Nov;154(5):871–80

Rotavirus fecal IgA antibody response in adults challenged with human rotavirus. Bernstein DI, et al. **J Med Virol** 1986 Dec;20(4):297–304

Safety and immunogenicity of bovine rotavirus vaccine RIT 4237 in 3–month–old infants. Maldonado Y, et al.
J Pediatr 1986 Dec;109(6):931–5

Persistent rotavirus infection in mice with severe combined immunodeficiency. Riepenhoff–Talty M, et al. **J Virol** 1987 Oct;61(10):3345–8

Diarrheal response of gnotobiotic pigs after fetal infection and neonatal challenge with homologous and heterologous human rotavirus strains. Torres A, et al. **J Virol** 1986 Dec; 60(3):1107–12

[Frequency of the rotavirus antigen, detected by the ELISA method, in the feces of patients with infantile enteritis]

Zavate O, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan-Mar;90(1):77-8 (Eng. Abstr.) **(Rum)**

METABOLISM

Intestinal absorption of macromolecules during viral enteritis: an experimental study on rotavirus-infected conventional and germ-free mice. Heyman M, et al. **Pediatr Res** 1987 Jul;22(1):72-8

MICROBIOLOGY

Minimal infective dose of rotavirus. Graham DY, et al. **Arch Virol** 1987;92(3-4):261-71

Occurrence of antigenically distinct rotaviruses in infants in Bulgaria. Dimitrov DH, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):471-3

A comparison of rotavirus strains of bovine, simian and porcine origin. Castrucci G, et al. **Eur J Epidemiol** 1985 Dec;1(4):274-80

Molecular epidemiology of human rotavirus infections. Sanders RC. **Eur J Epidemiol** 1985 Mar;1(1):19-32 (96 ref.)

Neonatal rotavirus infection in Pondicherry. Puri RK, et al. **Indian J Med Res** 1986 Jun;83:557-60

Comparison between children treated at home and those requiring hospital admission for rotavirus and other enteric pathogens associated with acute diarrhea in Melbourne, Australia. Pitson GA, et al. **J Clin Microbiol** 1986 Sep; 24(3):395-9

Comparison of three tests for the detection of rotavirus in feces with standard ELISA. Panigrahi D, et al. **J Diarrhoeal Dis Res** 1986 Mar;4(1):26-9

Variation in neutralization epitopes of human rotaviruses in relation to genomic RNA polymorphism. Coulson BS. **Virology** 1987 Aug;159(2):209-16

[Rotavirus infections in childhood: studies using a molecular biology method (gene electrophoresis)] Sprenger-Seige UE, et al. **Helv Paediatr Acta** 1985 Apr;40(1):17-28 (Eng. Abstr.) **(Ger)**

[Diarrhea due to rotavirus infections] Morishma T. **Uirusu** 1980 Jun;30(1):11-9 (77 ref.) **(Jpa)**

[Rotaviruses and rotavirus gastroenteritis (editorial)] **Vopr Virusol** 1987 Jan-Feb;32(1):120-1 **(Rus)**

OCCURRENCE

Seasonal pattern of some causative agents of childhood diarrhoea in Nairobi. Mutanda LN, et al. **East Afr Med J** 1986 Jun;63(6):373-82

Electropherotyping of human rotaviruses: an epidemiological survey of rotavirus infections in Sicily. Arista S, et al. **Eur J Epidemiol** 1986 Jun;2(2):104-7

Epidemiology of human rotaviruses in a maternity unit as studied by electrophoresis of genomic RNA. Garbag-Chenon A, et al. **Eur J Epidemiol** 1985 Mar; 1(1):33-6

Epidemiologic and genomic study of rotavirus strains infecting young children and calves in the same rural environment. Garbarg-Chenon A, et al. **Eur J Epidemiol** 1986 Jun;2(2):108-11

Frequency of successive rotavirus infections among infants in a nursery home measured by coproantibody conversion [letter] Shinozaki T, et al. **Eur J Pediatr** 1986 Oct; 145(5):450-1

Epidemiology of human rotaviruses in Argentina as determined by RNA genome electrophoresis. Gómez JA, et al. **Intervirology** 1986;26(3):174-80

Incidence of rotavirus infection in pediatric outpatients with gastroenteritis. Burdick JR, et al. **J Am Osteopath Assoc** 1986 Dec;86(12):788-92

Detection of enteropathogens in fatal and potentially fatal diarrhea in Cairo, Egypt. Shukry S, et al. **J Clin Microbiol** 1986 Dec;24(6):959-62

Epidemiology of rotavirus gastroenteritis. Senturia YD. **J Epidemiol Community Health** 1986 Sep;40(3):236-9

An outbreak of rotavirus infection in a geriatric hospital. Abbas AM, et al. **J Hosp Infect** 1987 Jan;9(1):76-80

Epidemiology of rotaviral infection in adults. Hrdy DB. **Rev Infect Dis** 1987 May-Jun;9(3):461-9 (103 ref.)

[Rotavirus infection in the newborn infant: epidemiologic study] Petitjean J, et al. **Ann Pediatr (Paris)** 1987 Feb; 34(2):111-2, 115-6 (Eng. Abstr.) **(Fre)**

[Infantile diarrhea in Libreville (Gabon). Ecological studies] Mefane C, et al. **Arch Fr Pediatr** 1986 Dec;43(10):813-6 (Eng. Abstr.) **(Fre)**

[Incidence of rotavirus infections in children with diarrhea in the Majunga region] Ravaoarinoro M, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):131-7 (Eng. Abstr.) **(Fre)**

[Enteritis caused by rotavirus in adulthood and childhood. Case studies] Lami G, et al. **Nuovi Ann Ig Microbiol** 1985 May-Jun;36(3):205-12 (Eng. Abstr.) **(Ita)**

[Rotavirus reinfections in children of Belém, Pará, Brazil] Linhares AC, et al. **Rev Inst Med Trop Sao Paulo** 1986 May-Jun;28(3):194-202 (Eng. Abstr.) **(Por)**

[Hospital infection caused by rotaviruses in infants, Santiago, Chile] Barraza P, et al. **Bol Of Sanit Panam** 1986 Oct; 101(4):328-38 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Kinetics, tissue specificity and pathological changes in murine rotavirus infection of mice. Starkey WG, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2625-34

PHYSIOPATHOLOGY

Intestinal permeability in small children during and after rotavirus diarrhoea assessed with different-size polyethyleneglycols (PEG 400 and PEG 1000). Stintzing G, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1005-9

Gastroenteritis caused by human rotaviruses (serotype three) in a suckling mouse model. Bell LM, et al. **Proc Soc Exp Biol Med** 1987 Jan;184(1):127-32

PREVENTION & CONTROL

Observations questioning a protective role for breast-feeding in severe rotavirus diarrhea. Glass RI, et al. **Acta Paediatr Scand** 1986 Sep;75(5):713-8

Response to RIT 4237 oral rotavirus vaccine in breast-fed and formula-fed infants. Zoppi G, et al. **Helv Paediatr Acta** 1986 Aug;41(3):203-8

Rotavirus vaccine: current status. Vesikari T. **Indian J Pediatr** 1987 Jan-Feb;54(1):1-4

Sialic acid glycoproteins inhibit in vitro and in vivo replication of rotaviruses. Yolken RH, et al. **J Clin Invest** 1987 Jan;79(1):148-54

Bovine milk immunoglobulins for passive immunity to infantile rotavirus gastroenteritis. Brüssow H, et al. **J Clin Microbiol** 1987 Jun;25(6):982-6

Homotypic and heterotypic antibodies for prevention of experimental rotavirus gastroenteritis. Losonsky GA, et al. **J Clin Microbiol** 1986 Dec;24(6):1041-4

Safety and immunogenicity of live attenuated rhesus monkey rotavirus vaccine. Christy C, et al. **J Infect Dis** 1986 Dec; 154(6):1045-7

Protective effect of preexisting rotavirus-specific immunoglobulin A against naturally acquired rotavirus infection in children. Hjelt K, et al. **J Med Virol** 1987 Jan; 21(1):39-47

Experimental rotavirus vaccine passes first test; eventual goal: immunize newborns against most prevalent cause of life-threatening diarrhea [news] Raymond CA. **JAMA** 1987 Jul 3;258(1):12-3

Protection against severe rotavirus diarrhoea by rhesus rotavirus vaccine in Venezuelan infants. Flores J, et al. **Lancet** 1987 Apr 18;1(8538):882-4

Preliminary evaluation of the efficacy of rhesus rotavirus vaccine strain MMU 18006 in young children. Rennels MB, et al. **Pediatr Infect Dis** 1986 Sep-Oct;5(5):587-8

Neonatal rotavirus vaccination with RIT 4237 bovine rotavirus vaccine: a preliminary report. Vesikari T, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):164-9

Combined vaccination with live oral polio vaccine and the bovine rotavirus RIT 4237 strain. Vodopija I, et al. **Vaccine** 1986 Dec;4(4):233-6

THERAPY

Use of bovine milk concentrate containing antibody to rotavirus to treat rotavirus gastroenteritis in infants. Hilpert H, et al. **J Infect Dis** 1987 Jul;156(1):158-66

VETERINARY

Pathogenesis of rotavirus infection in various age groups of chickens and turkeys: pathology. Yason CV, et al. **Am J Vet Res** 1987 Jun;48(6):927-38

Pathogenesis of rotavirus infection in various age groups of chickens and turkeys: clinical signs and virology. Yason CV, et al. **Am J Vet Res** 1987 Jun;48(6):977-83

Primary isolation and identification of avian rotaviruses from turkeys exhibiting signs of clinical enteritis in a continuous MA 104 cell line. Kang SY, et al. **Avian Dis** 1986 Jul-Sep; 30(3):494-9

Enteric viral infections of turkey poults: incidence of infection. Reynolds DL, et al. **Avian Dis** 1987 Apr-Jun; 31(2):272-6

Demonstration of rotavirus and rotavirus-like virus in the intestinal contents of diarrheic pheasant chicks. Reynolds DL, et al. **Avian Dis** 1987 Apr-Jun;31(2):376-9

Possible sex differences in the susceptibility of calves to rotavirus infection. Hasso SA, et al. **Can J Vet Res** 1986 Apr;50(2):287-8

Field trial evaluation of an inactivated rotavirus vaccine against neonatal diarrhea of calves. Castrucci G, et al. **Eur J Epidemiol** 1987 Mar;3(1):5-9

Isolation of group A swine rotaviruses displaying atypical electropherotypes. Bellinzoni RC, et al. **J Clin Microbiol** 1987 May;25(5):952-4

Age-related infections with rotavirus, rotaviruslike virus, and atypical rotavirus in turkey flocks. Theil KW, et al. **J Clin Microbiol** 1987 Feb;25(2):333-7

Isolation and characterization of two group A rotaviruses with unusual genome profiles. Pocock DH. **J Gen Virol** 1987 Mar;68 (Pt 3):653-60

Isolation of an atypical rotavirus causing diarrhea in neonatal ferrets. Torres-Medina A. **Lab Anim Sci** 1987 Apr; 37(2):167-71

Detection of rotaviruses in cat feces. Mochizuki M, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):159-60

Characterization of a canine rotavirus hemagglutinin. Mochizuki M, et al. **Nippon Juigaku Zasshi** 1986 Oct; 48(5):1011-4

Seroepizootiologic studies on rotavirus infections of dogs and cats. Mochizuki M, et al. **Nippon Juigaku Zasshi** 1986 Oct; 48(5):957-64

A survey on bovine rotavirus type 1-associated neonatal calf diarrhea in a beef herd. Murakami T, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):23-30

Prevention of calf diarrhea with an immunoglobulin diet in beef herds. Murakami T, et al. **Nippon Juigaku Zasshi** 1986 Oct;48(5):879-85

Atypical rotavirus in chickens in Argentina. Bellinzoni R, et al. **Res Vet Sci** 1987 Jul;43(1):130-1

Incidence of rotavirus in beef herds in Argentina. Bellinzoni RC, et al. **Res Vet Sci** 1987 Mar;42(2):257-9

Incidence of group A and atypical rotaviruses in Brazilian pig herds. Sigolo de San Juan C, et al. **Res Vet Sci** 1986 Sep;41(2):270-2

A comparison of three rapid diagnostic methods for the detection of rotavirus infection in calves. Edwards S, et al. **Vet Microbiol** 1987 Jan;13(1):19-25

Characterization of rotaviruses isolated from pigs with diarrhoea in Venezuela. Liprandi F, et al. **Vet Microbiol** 1987 Jan;13(1):35-45

Characterisation of rotavirus isolates from sub-clinically infected calves by genome profile analysis. Pocock DH. **Vet Microbiol** 1987 Jan;13(1):27-34

Effect of vaccination of the dam on rotavirus infection in young calves. McNulty MS, et al. **Vet Rec** 1987 Mar 14; 120(11):250-2

[Mixed coli-rotavirus and Cryptosporidium infection in newborn piglets] Belchev L, et al. **Vet Med Nauki** 1987; 24(1):3-8 (Eng. Abstr.) **(Bul)**

[Attenuated vaccine against rota- and coronavirus enteritis in calves] Kharalambiev KhE, et al. **Vet Med Nauki** 1986; 23(10):26-31 (Eng. Abstr.) **(Bul)**

[Rotavirus infections in pigs] Popov G, et al. **Vet Med Nauki** 1986;23(5):37-46 (Eng. Abstr.) **(Bul)**

[A new polyvalent vaccine against enteral infections in newborn calves] Stěpánek J, et al. **Vet Med (Praha)** 1987 Feb;32(2):65-80 (Eng. Abstr.) **(Cze)**

[Differential diagnosis of viral diarrheas in calves] Svoboda I, et al. **Vet Med (Praha)** 1986 Aug;31(8):497-504 (Eng. Abstr.) **(Cze)**

[Rotavirus infections in calves. 1. Adaptation of calf-pathogenic strains of rotavirus to cell culture] Otto P, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):605-20 (Eng. Abstr.) **(Ger)**

[Detection of calf rotavirus in the Rotascreen latex test and electron microscopy--a comparative study] Herbst W, et al. **DTW** 1986 Jul 23;93(7):317-9 (Eng. Abstr.) **(Ger)**

[How often must maternal vaccination be repeated for the prophylaxis of rotavirus and coronavirus infections (neonatal diarrhea) in the calf?] Hofmann W. **DTW** 1987 May 7;94(5):298-301 (Eng. Abstr.) **(Ger)**

[The submucous plexus (Meissner and Schabadasch) in the intestine of pigs. II. Experimental infection with coronaviruses (transmissible gastroenteritis, TGE; epizootic virus diarrhea, EVD) and rotaviruses] Manni A, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):69-78 (Eng. Abstr.) **(Ger)**

ROTAVIRUSES

ANALYSIS

Electropherotypic analysis of rotaviruses isolated from turkeys. Kang SY, et al. **Avian Dis** 1986 Oct-Dec; 30(4):794-801

An assessment of the sensitivity of three methods for the detection of rotavirus. Martin AL, et al. **J Virol Methods** 1987 May;16(1-2):39-44

Characterization of rotaviruses isolated from pigs with diarrhoea in Venezuela. Liprandi F, et al. **Vet Microbiol** 1987 Jan;13(1):35-45

CLASSIFICATION

Isolation and serotyping of animal rotaviruses and antigenic comparison with human rotaviruses. Brief report. Albert MJ, et al. **Arch Virol** 1987;93(1-2):123-30

Characterization of a second bovine rotavirus serotype. Brüssow H, et al. **Arch Virol** 1987;94(1-2):29-41

Non-neutralizing monoclonal antibodies to a trypsin-sensitive site on the major glycoprotein of rotavirus which discriminate between virus serotypes. Coulson BS, et al. **Arch Virol** 1987;93(3-4):199-211

Electropherotype heterogeneity within serotypes of human rotavirus strains circulating in Italy. Brief report. Gerna G, et al. **Arch Virol** 1987;95(1-2):129-35

Novel rotaviruses in animals and man. Bridger JC. **Ciba Found Symp** 1987;128:5-23

Electropherotyping of human rotaviruses: an epidemiological survey of rotavirus infections in Sicily. Arista S, et al. **Eur J Epidemiol** 1986 Jun;2(2):104-7

Epidemiologic and genomic study of rotavirus strains infecting young children and calves in the same rural environment. Garbarg-Chenon A, et al. **Eur J Epidemiol** 1986 Jun;2(2):108-11

Epidemiology of human rotaviruses in Argentina as determined by RNA genome electrophoresis. Gómez JA, et al. **Intervirology** 1986;26(3):174-80

Simple and specific enzyme immunoassay using monoclonal antibodies for serotyping human rotaviruses. Coulson BS, et al. **J Clin Microbiol** 1987 Mar;25(3):509-15

Direct serotyping of human rotavirus in stools by an enzyme-linked immunosorbent assay using serotype 1-, 2-, 3-, and 4-specific monoclonal antibodies to VP7. Taniguchi K, et al. **J Infect Dis** 1987 Jun;155(6):1159-66

cDNA probes of individual genes of human rotavirus distinguish viral subgroups and serotypes. Lin M, et al. **J Virol Methods** 1987 Mar;15(4):285–9
Variation in neutralization epitopes of human rotaviruses in relation to genomic RNA polymorphism. Coulson BS. **Virology** 1987 Aug;159(2):209–16
[Analysis of the electrophoretic types of human rotaviruses isolated in the city of Gorki] Novikova NA, et al. **Vopr Virusol** 1987 Mar–Apr;32(2):238–41 **(Rus)**

DRUG EFFECTS

Failure in chymotrypsin enhancement of human rotavirus infectivity. Kitaoka S, et al. **Tohoku J Exp Med** 1987 Jan; 151(1):127–8
The effect of trypsin on the growth and infectivity of human rotavirus. Kitaoka S, et al. **Tohoku J Exp Med** 1986 Aug; 149(4):437–47
[Suppression of rotavirus SA–11 reproduction by protease inhibitors in cell culture] Bukrinskaia AG, et al. **Vopr Virusol** 1987 Jan–Feb;32(1):71–4 (Eng. Abstr.) **(Rus)**

GENETICS

Marked sequence variation between segment 4 genes of human RV–5 and simian SA 11 rotaviruses. Kantharidis P, et al. **Arch Virol** 1987;93(1–2):111–21
Genomic variation among avian rotavirus–like viruses detected by polyacrylamide gel electrophoresis. Theil KW, et al. **Avian Dis** 1986 Oct–Dec;30(4):829–34
Electrophoretic study of the genome of human rotavirus from Maceió, Brazil. Houly CA, et al. **Braz J Med Biol Res** 1986;19(1):33–7
Nucleic acid–based analyses of non–group A rotaviruses. McCrae MA. **Ciba Found Symp** 1987;128:24–48
Epidemiology of human rotaviruses in a maternity unit as studied by electrophoresis of genomic RNA. Garbag–Chenon A, et al. **Eur J Epidemiol** 1985 Mar; 1(1):33–6
Molecular epidemiology of human rotavirus infections. Sanders RC. **Eur J Epidemiol** 1985 Mar;1(1):19–32 (96 ref.)
Gastroenteritis in infants, associated with a genome type of adenovirus 31 and with combined rotavirus and adenovirus 31 infection. Adrian T, et al. **Eur J Pediatr** 1987 Jan; 146(1):38–40
Synthesis of the outer–capsid glycoprotein of the simian rotavirus SA11 in Escherichia coli. Arias CF, et al. **Gene** 1986;47(2–3):211–9
Expression of a major bovine rotavirus neutralisation antigen (VP7c) in Escherichia coli. McCrae MA, et al. **Gene** 1987; 55(1):9–18
Cultivation and characterization of human rotaviruses with "super short" RNA patterns.Albert MJ, et al. **J Clin Microbiol** 1987 Jan;25(1):183–5
Isolation of group A swine rotaviruses displaying atypical electropherotypes. Bellinzoni RC, et al. **J Clin Microbiol** 1987 May;25(5):952–4
Analysis by plaque reduction neutralization assay of intertypic rotaviruses suggests that gene reassortment occurs in vivo. Hoshino Y, et al. **J Clin Microbiol** 1987 Feb;25(2):290–4
Genetic relatedness among human rotavirus genes coding for VP7, a major neutralization protein, and its application to serotype identification. Midthun K, et al. **J Clin Microbiol** 1987 Jul;25(7):1269–74
Single gene substitution rotavirus reassortants containing the major neutralization protein (VP7) of human rotavirus serotype 4. Midthun K, et al. **J Clin Microbiol** 1986 Nov; 24(5):822–6
Analysis by RNA–RNA hybridization assay of intertypic rotaviruses suggests that gene reassortment occurs in vivo. Midthun K, et al. **J Clin Microbiol** 1987 Feb;25(2):295–300
Genetic analysis of a human rotavirus that belongs to subgroup I but has an RNA pattern typical of subgroup II human rotaviruses. Nakagomi O, et al. **J Clin Microbiol** 1987 Jul;25(7):1159–64
Synthesis in Escherichia coli and immunological characterization of a polypeptide containing the cleavage sites associated with trypsin enhancement of rotavirus SA11 infectivity. Arias CF, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):633–42
VP7 serotype–specific glycoprotein of OSU porcine rotavirus: coding assignment and gene sequence. Gorziglia M, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2445–54
Reassortment of human rotavirus possessing genome rearrangements with bovine rotavirus: evidence for host cell selection. Graham A, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):115–22
Genetic and antigenic relatedness of human and animal strains of antigenically distinct rotaviruses. Eiden J, et al. **J Infect Dis** 1986 Dec;154(6):972–82
Vaccinia virus recombinants expressing the SA11 rotavirus VP7 glycoprotein gene induce serotype–specific neutralizing antibodies. Andrew ME, et al. **J Virol** 1987 Apr;61(4):1054–60
Synthesis and immunogenicity of the rotavirus major capsid antigen using a baculovirus expression system. Estes MK, et al. **J Virol** 1987 May;61(5):1488–94
Conservation of the fourth gene among rotaviruses recovered from asymptomatic newborn infants and its possible role in attenuation. Flores J, et al. **J Virol** 1986 Dec;60(3):972–9
Role of the inner protein capsid on in vitro human rotavirus transcription. Sandino AM, et al. **J Virol** 1986 Nov; 60(2):797–802
Molecular cloning of rotavirus genome. Crespi M, et al. **Medicina (B Aires)** 1986;46(6):693–7
A comparison of simian rotavirus SA11 preparations maintained in different laboratories. Pereira HG, et al. **Mem Inst Oswaldo Cruz** 1986 Oct–Dec;81(4):389–93
The nucleotide sequence of the 5' and 3' ends of rotavirus SA11 gene 4. López S, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4691
The complete nucleotide sequence of bovine rotavirus C486 gene 4 cDNA. Potter AA, et al. **Nucleic Acids Res** 1987 May 26;15(10):4361
Characterisation of rotavirus isolates from sub–clinically infected calves by genome profile analysis. Pocock DH. **Vet Microbiol** 1987 Jan;13(1):27–34
[Rotavirus infections in childhood: studies using a molecular biology method (gene electrophoresis)] Sprenger–Seige UE, et al. **Helv Paediatr Acta** 1985 Apr;40(1):17–28 (Eng. Abstr.) **(Ger)**
[Technics used in viral genetics as an alternative means of diagnosing viral diseases] Nakagomi O. **Rinsho Byori** 1986 Dec;34(12):1356–61 **(Jpn)**
[Rotaviruses: structural and functional organization of the virion] Rukhadze GG, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):3–10 (60 ref.) (Eng. Abstr.) **(Rus)**
[Diagnosis of human rotavirus infection by the dot hybridization method] Kras'ko AG, et al. **Vopr Virusol** 1987 Mar–Apr;32(2):208–12 (Eng. Abstr.) **(Rus)**
[Molecular cloning of human and animal rotaviruses (editorial)] La Torre JL. **Medicina (B Aires)** 1986;46(6):760 **(Spa)**

GROWTH & DEVELOPMENT

Mechanism of inactivation of enteric viruses in fresh water. Ward RL, et al. **Appl Environ Microbiol** 1986 Sep; 52(3):450–9
Sialic acid glycoproteins inhibit in vitro and in vivo replication of rotaviruses. Yolken RH, et al. **J Clin Invest** 1987 Jan;79(1):148–54
Serial propagation of porcine group C rotavirus (pararotavirus) in primary porcine kidney cell cultures. Terrett LA, et al. **J Clin Microbiol** 1987 Jul;25(7):1316–9
Preliminary characterization of an inhibitory activity of fetal bovine serum on the infectivity of rotavirus strain SA–11. Debiaggi M, et al. **Microbiologica** 1987 Jul;10(3):257–63
A sensitive plaque assay for bovine rotavirus in cultures of the bovine cell line GBK. Hirano N, et al. **Vet Microbiol** 1987 Apr;13(4):383–7
Further analysis of the role of calcium in rotavirus morphogenesis. Shahrabadi MS, et al. **Virology** 1987 May; 158(1):103–11
[Rotavirus infections in calves. 1. Adaptation of calf–pathogenic strains of rotavirus to cell culture] Otto P, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):605–20 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Rotavirus persistence in malabsorption syndrome: virus assessment by immunofluorescence in small intestine biopsies in relation to antibody titres. Körting HJ, et al. **Acta Virol (Praha)** 1987 Jan;31(1):31–5
Local production of rotavirus specific IgA in breast tissue and transfer to neonates. Rahman MM, et al. **Arch Dis Child** 1987 Apr;62(4):401–5
Seroepidemiology and molecular epidemiology of the Chinese rotavirus. Hung T, et al. **Ciba Found Symp** 1987; 128:49–62
Clinical trials of rotavirus vaccines. Vesikari T, et al. **Ciba Found Symp** 1987;128:218–37
Occurrence of antigenically distinct rotaviruses in infants in Bulgaria. Dimitrov DH, et al. **Eur J Clin Microbiol** 1986 Aug;5(4):471–3
Development of a monoclonal antibody specific for serotype 3 rotavirus strains. Grunert B, et al. **Eur J Clin Microbiol** 1987 Apr;6(2):136–41
Field trial evaluation of an inactivated rotavirus vaccine against neonatal diarrhea of calves. Castrucci G, et al. **Eur J Epidemiol** 1987 Mar;3(1):5–9
Engineering of immunogenic peptides by co–linear synthesis of determinants recognized by B and T cells. Borras–Cuesta F, et al. **Eur J Immunol** 1987 Aug;17(8):1213–5
A survey of rotavirus antibody in different age groups. Singh V, et al. **Indian J Gastroenterol** 1987 Jan;6(1):35–6
Comparison of reverse passive haemagglutination assay & solid phase agglutination of coated erythrocytes with ELISA for rotavirus antigen detection. Singh V, et al. **Indian J Med Res** 1986 Sep;84:327–30
Rotavirus vaccine: current status. Vesikari T. **Indian J Pediatr** 1987 Jan–Feb;54(1):1–4
Heterologous protection against rotavirus–induced disease in gnotobiotic piglets. Bishop RF, et al. **J Clin Microbiol** 1986 Dec;24(6):1023–8
Prevalence of antibody to group B (atypical) rotavirus in humans and animals. Brown DW, et al. **J Clin Microbiol** 1987 Feb;25(2):316–9
Bovine milk immunoglobulins for passive immunity to infantile rotavirus gastroenteritis. Brüssow H, et al. **J Clin Microbiol** 1987 Jun;25(6):982–6
Comparison of methods for detection of serum antibody to murine rotavirus. Ferner WT, et al. **J Clin Microbiol** 1987 Aug;25(8):1364–9
Homotypic and heterotypic antibodies for prevention of experimental rotavirus gastroenteritis. Losonsky GA, et al. **J Clin Microbiol** 1986 Dec;24(6):1041–4
Detection of antibody to group B adult diarrhea rotaviruses in humans. Nakata S, et al. **J Clin Microbiol** 1987 May; 25(5):812–8
Prevalent patterns of serotype–specific seroconversion in Mexican children infected with rotavirus. Puerto FI, et al. **J Clin Microbiol** 1987 May;25(5):960–3
Protection between different serotypes of bovine rotavirus in gnotobiotic calves: specificity of serum antibody and coproantibody responses. Woode GN, et al. **J Clin Microbiol** 1987 Jun;25(6):1052–8
Antigenic analysis of rotavirus isolates using monoclonal antibodies specific for human serotypes 1, 2, 3 and 4, and SA11. Heath R, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2455–66
Biochemical evidence for the oligomeric arrangement of bovine rotavirus nucleocapsid protein and its possible significance in the immunogenicity of this protein. Sabara M, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):123–33
Immune response to rotavirus polypeptides after vaccination with heterologous rotavirus vaccines (RIT 4237, RRV–1). Svensson L, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1993–9
Failure of live, oral virus vaccines in developing countries [letter] Albert MJ. **J Infect Dis** 1987 Jun;155(6):1350
Rhesus rotavirus vaccine in infants and children [letter] Baum KF, et al. **J Infect Dis** 1987 Feb;155(2):339
Safety and immunogenicity of live attenuated rhesus monkey rotavirus vaccine. Christy C, et al. **J Infect Dis** 1986 Dec; 154(6):1045–7
Reactogenicity and antigenicity of the rhesus rotavirus vaccine in Venezuelan children. Perez–Schael I, et al. **J Infect Dis** 1987 Feb;155(2):334–8
Rotavirus fecal IgA antibody response in adults challenged with human rotavirus. Bernstein DI, et al. **J Med Virol** 1986 Dec;20(4):297–304
Detection of serum antibody responses to RIT 4237 rotavirus vaccine by ELISA and neutralization assays. Delem A, et al. **J Med Virol** 1987 Mar;21(3):231–8
Protective effect of preexisting rotavirus–specific immunoglobulin A against naturally acquired rotavirus infection in children. Hjelt K, et al. **J Med Virol** 1987 Jan; 21(1):39–47
Reassortant rotaviruses containing structural proteins vp3 and vp7 from different parents induce antibodies protective against each parental serotype. Offit PA, et al. **J Virol** 1986 Nov;60(2):491–6
Cross–reactive neutralization epitopes on VP3 of human rotavirus: analysis with monoclonal antibodies and antigenic variants. Taniguchi K, et al. **J Virol** 1987 May; 61(5):1726–30
Antibody against adult diarrhoea rotavirus among healthy adult population in China. Qiu FX, et al. **J Virol Methods** 1986 Sep;14(2):127–32
Experimental rotavirus vaccine passes first test; eventual goal: immunize newborns against most prevalent cause of life–threatening diarrhea [news] Raymond CA. **JAMA** 1987 Jul 3;258(1):12–3
Prevalence of antibodies to Sendai virus and rotavirus in laboratory rabbits. Iwai H, et al. **Jikken Dobutsu** 1986 Oct; 35(4):491–4
Use of microplate cell culture and enzyme immunoassay in titration of serum neutralizing antibody against Hochi strain of serotype 4 human rotavirus. Urasawa T, et al. **Jpn J Med Sci Biol** 1986 Aug;39(4):163–7
Trial of an attenuated bovine rotavirus vaccine (RIT 4237) [letter] Biryahwaho B. **Lancet** 1987 Aug 8;2(8554):344
Trial of an attenuated bovine rotavirus vaccine (RIT 4237) in Gambian infants. Hanlon P, et al. **Lancet** 1987 Jun 13; 1(8546):1342–5
Self–contained enzymic membrane immunoassay for detection of rotavirus antigen in clinical samples. Yolken RH, et al. **Lancet** 1986 Dec 6;2(8519):1305–7
Preliminary evaluation of the efficacy of rhesus rotavirus vaccine strain MMU 18006 in young children. Rennels MB, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):587–8
Immunogenicity and reactogenicity of lowered doses of rhesus rotavirus vaccine strain MMU 18006 in young children. Rennels MB, et al. **Pediatr Infect Dis J** 1987 Mar; 6(3):260–4
Neonatal rotavirus vaccination with RIT 4237 bovine rotavirus vaccine: a preliminary report. Vesikari T, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):164–9
Detection of group rotavirus antigen with Romanian ELISA kits in the acute gastroenteritis of the infant and young child. Strat E, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):323–5
Immunogenicity and safety of a low passage level bovine rotavirus candidate vaccine RIT 4256 in human adults and young infants. Vesikari T, et al. **Vaccine** 1987 Jun;5(2):105–8
Combined vaccination with live oral polio vaccine and the bovine rotavirus RIT 4237 strain. Vodopija I, et al. **Vaccine** 1986 Dec;4(4):233–6
Effect of vaccination of the dam on rotavirus infection in young calves. McNulty MS, et al. **Vet Rec** 1987 Mar 14; 120(11):250–2
Derivation of neutralizing monoclonal antibodies to human rotaviruses and evidence that an immunodominant neutralization site is shared between serotypes 1 and 3.

Coulson BS, et al. **Virology** 1986 Oct 30;154(2):302–12

An equine rotavirus (FI–14 strain) which bears both subgroup I and subgroup II specificities on its VP6. Hoshino Y, et al. **Virology** 1987 Apr;157(2):488–96

Antigenic mapping of the surface proteins of rhesus rotavirus. Shaw RD, et al. **Virology** 1986 Dec;155(2):434–51

[Attenuated vaccine against rota– and coronavirus enteritis in calves] Kharalambiev KhE, et al. **Vet Med Nauki** 1986; 23(10):26–31 (Eng. Abstr.) **(Bul)**

[Investigations on the antibody against adult diarrhoea rotavirus among the healthy population in China] Tian Y. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec; 7(6):321–3 (Eng. Abstr.) **(Chi)**

[A study on the rotavirus antibody in the normal human sera using ELISA] Wu HL. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Aug; 7(4):203–5 (Eng. Abstr.) **(Chi)**

[Frequency of the rotavirus antigen, detected by the ELISA method, in the feces of patients with infantile enteritis] Zavate O, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):77–8 (Eng. Abstr.) **(Rum)**

[Use of the agar diffusion precipitation method for detecting rotavirus antigen] Gracheva NM, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):629–31 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The detection of enteropathogens in acute diarrhea in a family cohort population in rural Egypt. Zaki AM, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1013–22

Identification of a bovine enteric syncytial virus as a nongroup A rotavirus. Vonderfecht SL, et al. **Am J Vet Res** 1986 Sep;47(9):1913–8

Prevalence of various enteropathogens in the feces of diarrheic and healthy calves. De Rycke J, et al. **Ann Rech Vet** 1986;17(2):159–68

Comparison of methods for rotavirus detection in water and results of a survey of Jerusalem wastewater. Guttman–Bass N, et al. **Appl Environ Microbiol** 1987 Apr;53(4):761–7

Development of a method for concentration of rotavirus and its application to recovery of rotaviruses from estuarine waters. Rao VC, et al. **Appl Environ Microbiol** 1986 Sep; 52(3):484–8

Primary isolation and identification of avian rotaviruses from turkeys exhibiting signs of clinical enteritis in a continuous MA 104 cell line. Kang SY, et al. **Avian Dis** 1986 Jul–Sep; 30(3):494–9

Demonstration of rotavirus and rotavirus–like virus in the intestinal contents of diarrheic pheasant chicks. Reynolds DL, et al. **Avian Dis** 1987 Apr–Jun;31(2):376–9

Second–step reconcentration of environmental samples by ammonium sulfate flocculation of beef extract. Payment P, et al. **Can J Microbiol** 1987 Jun;33(6):571–2

Comparison of electron microscopy with three commercial tests for the detection of rotavirus in animal feces. Goyal SM, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):249–54

Comparison of four commercial assays for detection of rotavirus in childhood gastroenteritis. de Vries WP, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):542–4

A comparison of rotavirus strains of bovine, simian and porcine origin. Castrucci G, et al. **Eur J Epidemiol** 1985 Dec;1(4):274–80

Two–year survey of etiologic agents of diarrheal disease at San Lazaro Hospital, Manila, Republic of the Philippines. Adkins HJ, et al. **J Clin Microbiol** 1987 Jul;25(7):1143–7

Comparative evaluation of a commercial enzyme–linked immunoassay and solid–phase immune electron microscopy for rotavirus detection in stool specimens. Gerna G, et al. **J Clin Microbiol** 1987 Jun;25(6):1137–9

Isolation and characterization of two group A rotaviruses with unusual genome profiles. Pocock DH. **J Gen Virol** 1987 Mar;68 (Pt 3):653–60

Kinetics, tissue specificity and pathological changes in murine rotavirus infection of mice. Starkey WG, et al. **J Gen Virol** 1986 Dec;67 (Pt 12):2625–34

Evaluation of a latex agglutination test for rapid detection of rotavirus in faecal specimens. Spencker FB, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(1):65–8

First report of an epidemic of diarrhoea in human neonates involving the new rotavirus and biological characteristics of the epidemic virus strain (KMB/R85). Dai GZ, et al. **J Med Virol** 1987 Aug;22(4):365–73

Role of rota–virus in acute gastroenteritis in young children—a preliminary report. Mathur M, et al. **J Postgrad Med** 1986 Apr;32(2):87–8

An ion–exchange capture technique for routine identification of faecal viruses by electron microscopy. Codd AA, et al. **J Virol Methods** 1986 Nov;14(3–4):229–35

Detection of rotaviruses in cat feces. Mochizuki M, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):159–60

Incidence of group A and atypical rotaviruses in Brazilian pig herds. Sigolo de San Juan C, et al. **Res Vet Sci** 1986 Sep;41(2):270–2

Comparison of rotazyme, Slidex Rota–Kit, counterimmunoelectrophoresis with solid–phase immune electron microscopy for the detection of human rotavirus. Lee CN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar; 86(3):227–32

Identification of human rotaviruses in stools from children with gastroenteritis. Lee CN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):392–9

Isolation of rotavirus from buffalo calves [letter] Muniappa L, et al. **Vet Rec** 1987 Jan 3;120(1):23

[Isolation of human rotaviruses in cultures of rhesus monkey kidney cells] Wan XB. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):642–4 (Eng. Abstr.) **(Chi)**

[Prevalence of rotaviruses, Campylobacter and pathogenic enterobacteria in feces of subjects residing in the Urbino area] Bruscolini F, et al. **Nuovi Ann Ig Microbiol** 1985 Sep–Oct;36(5):367–79 (Eng. Abstr.) **(Ita)**

[A simple method for detection of rotaviruses in feces] Myrmel H. **Tidsskr Nor Laegeforen** 1986 Sep 20; 106(26):2167–8 (Eng. Abstr.) **(Nor)**

[Present status of rotavirus infection in nursing infants and children] Miu N, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1986 Jul–Sep; 35(3):245–54 **(Rum)**

[Comparative study of the effectiveness of immunoelectron microscopic methods for detecting rotaviruses and the hepatitis A virus] Khaustov VI, et al. **Vopr Virusol** 1986 Sep–Oct;31(5):599–601 (Eng. Abstr.) **(Rus)**

[Isolation and cultivation of a swine rotavirus] Rukhadze GG, et al. **Vopr Virusol** 1987 Jan–Feb;32(1):74–80 (Eng. Abstr.) **(Rus)**

[Incidence of rotaviruses in the feces of neonates determined by the ROTA–ELISA–Bioveta immunoenzyme test kit] Sefčovičová L, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Feb;36(1):10–6 (Eng. Abstr.) **(Slo)**

METABOLISM

Effect of trypsin and chymotrypsin on polypeptides of human rotavirus KUN strain. Sato T, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):65–73

Location of sequences within rotavirus SA11 glycoprotein VP7 which direct it to the endoplasmic reticulum. Whitfeld PL, et al. **Mol Cell Biol** 1987 Jul;7(7):2491–7

In vitro assembly of bovine rotavirus nucleocapsid protein. Ready KF, et al. **Virology** 1987 Mar;157(1):189–98

Synthesis of simian rotavirus SA11 double–stranded RNA in a cell–free system. Patton JT. **Virus Res** 1986 Dec; 6(3):217–33

PATHOGENICITY

Minimal infective dose of rotavirus. Graham DY, et al. **Arch Virol** 1987;92(3–4):261–71

Experimental infection of specific–pathogen–free chickens with avian rotaviruses. Yason CV, et al. **Avian Dis** 1986 Jul–Sep;30(3):551–6

Minimal infectious dose of rotavirus in volunteers: safety issues [letter] Graham DY. **J Infect Dis** 1987 Aug; 156(2):416–8

Human rotavirus studies in volunteers: determination of infectious dose and serological response to infection. Ward RL, et al. **J Infect Dis** 1986 Nov;154(5):871–80

Diarrheal response of gnotobiotic pigs after fetal infection and neonatal challenge with homologous and heterologous human rotavirus strains. Torres A, et al. **J Virol** 1986 Dec; 60(3):1107–12

[Rotaviruses and rotavirus gastroenteritis (editorial)] **Vopr Virusol** 1987 Jan–Feb;32(1):120–1 **(Rus)**

[Etiological significance of rotaviruses in acute intestinal diseases in children] Sakvarelidze LA, et al. **Vopr Virusol** 1986 Nov–Dec;31(6):695–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physicochemical stability and inactivation of human and simian rotaviruses. Meng ZD, et al. **Appl Environ Microbiol** 1987 Apr;53(4):727–30

Cultivation of avian rotaviruses in chicken lymphocytes and lymphoblastoid cell lines. Schat KA, et al. **Arch Virol** 1987; 94(3–4):205–13

Physicochemical characterization of porcine pararotavirus and detection of virus and viral antibodies using cell culture immunofluorescence. Terrett LA, et al. **J Clin Microbiol** 1987 Feb;25(2):268–72

Cold–adaptation of human rotavirus. Matsuno S, et al. **Virus Res** 1987 May;7(3):273–80

ULTRASTRUCTURE

Three different forms of tubular structures associated with the replication of bovine rotavirus in a tissue culture system. Brief report. Kimura T, et al. **Arch Virol** 1987; 92(1–2):165–74

Effects of two negative staining methods on the Chinese atypical rotavirus. Suzuki H, et al. **Arch Virol** 1987; 94(3–4):305–8

Characterization of subviral particles in cells infected with simian rotavirus SA11. Helmberger–Jones M, et al. **Virology** 1986 Dec;155(2):655–65

[Immunocolloidal gold labelling electron microscopy and its application in studying the morphology of viruses] Xia SM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Feb;9(1):50–4 (Eng. Abstr.) **(Chi)**

[A study of the ultrastructure of human rotavirus] Kogasaka R. **Uirusu** 1980 Jun;30(1):47–50 (Eng. Abstr.) **(Jpn)**

[Rotaviruses: their structure, chemical composition and biological properties] Bukrinskaia AG. **Vopr Virusol** 1986 Nov–Dec;31(6):645–54 (73 ref.) **(Rus)**

ROTENONE

The effects of chlordane and rotenone on the alimentary tract of the field cricket. Greenhalgh EA. **Toxicology** 1986 Dec 15;42(2–3):317–30

ANALOGS & DERIVATIVES

The constituents of Clitoria macrophylla Wall. Cat., a Thai medicinal plant. The structure of a new rotenoid, clitoriacetal. Taguchi H, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):1026–30

Photolabelling of a mitochondrially encoded subunit of NADH dehydrogenase with [3H]dihydrorotenone. Earley FG, et al. **FEBS Lett** 1987 Jul 13;219(1):108–12

PHARMACODYNAMICS

Inhibition of ovulation in PMSG/hCG–treated immature rats by rotenone, a specific inhibitor of mitochondrial oxidation. Koshida M, et al. **J Reprod Fertil** 1987 Mar;79(2):391–5

[Effect of rotenone on rabbit ovulation and histochemical activities of cytochrome oxidase and 3 beta–hydroxysteroid dehydrogenase of the follicle] Koshida M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Oct; 38(10):1741–6 (Eng. Abstr.) **(Jpn)**

POISONING

A case of fatal rotenone poisoning in a child. De Wilde AR, et al. **J Forensic Sci** 1986 Oct;31(4):1492–8

THERAPEUTIC USE

Comparison of treatments for Psorergates mites in stumptailed macaques (Macaca arctoides). Bowman TA, et al. **Lab Anim Sci** 1987 Feb;37(1):100–2

ROTIFERA

DRUG EFFECTS

Rotifer neuropharmacology—III. Adrenergic drug effects on Brachionus plicatilis. Keshmirian J, et al. **Comp Biochem Physiol [C]** 1987;86(2):329–32

METABOLISM

Association between lipid peroxidation and life–modifying factors in rotifers. Sawada M, et al. **J Gerontol** 1987 Jul; 42(4):451–6

ROUGHAGE see **DIETARY FIBER**

ROUND LIGAMENT see under **ADNEXA UTERI**

ROUND WINDOW see under **COCHLEA**

ROUS–ASSOCIATED VIRUS see **AVIAN LEUKOSIS VIRUSES**

ROUS SARCOMA see **AVIAN SARCOMA**

ROUS SARCOMA VIRUS see **AVIAN SARCOMA VIRUSES**

ROUSSY–LEVY SYNDROME see **SPINOCEREBELLAR DEGENERATIONS**

ROUTINE DIAGNOSTIC TESTS see **DIAGNOSTIC TESTS, ROUTINE**

ROWSON–PARR VIRUS see **FRIEND VIRUS**

ROXARSONE see under **ARSENICALS**

RUBBER

A novel elastomeric surgical adhesive: design, properties, and in vivo performances. Matsuda T, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):151–6

'Problems with addition–cured silicone putty' [letter] Darvell BW. **Br Dent J** 1986 Sep 6;161(5):160

Glove risk [letter] Scher EL. **Br Dent J** 1987 Mar 21; 162(6):210

Ventilatory function in rubber processing workers: acute changes over the workshift. Governa M, et al. **Br J Ind Med** 1987 Feb;44(2):83–9

Contamination of contrast agent by MBT in rubber seals [letter] Hamilton G. **Can Med Assoc J** 1987 May 15; 136(10):1020–1

Effect of Vacutainer tubes on lidocaine protein binding [letter] [published erratum appears in Drug Intell Clin Pharm 1987 Jun;21(6):549] Sorrells SC, et al. **Drug Intell Clin Pharm** 1987 May;21(5):464–5

Latex shields for major league baseball players. Polisner RI. **J Am Podiatr Med Assoc** 1986 Oct;76(10):590–1

A device for coring tendency determinations in rubber closures. Preston WA. **J Parenter Sci Technol** 1986 Sep–Oct;40(5):207–11

Dimensional changes of elastomers during cold sterilization. Johansen RE, et al. **J Prosthet Dent** 1987 Feb;57(2):233–6

[Unusual cause of mechanical ileus] Strigl M. **Chirurg** 1987 Apr;58(4):299 **(Ger)**

[Neurophysiological study of a group of workers exposed to industrial heptane in a rubber shoe factory] Soleo L, et al. **Med Lav** 1987 Jan–Feb;78(1):68–74 (Eng. Abstr.) **(Ita)**

[Determination of the vulcanization accelerator

vulcacit-II-extra-N and several of its conversion products during sanitary-chemical studies of rubber] Grushevskaia NIu. **Gig Sanit** 1987 Apr;(4):59-61 **(Rus)**

ADVERSE EFFECTS

IgE-mediated anaphylactoid reactions to rubber. Axelsson JG, et al. **Allergy** 1987 Jan;42(1):46-50

A case-control study of skin cancer in the tire and rubber manufacturing industry. Bourguet CC, et al. **Am J Ind Med** 1987;11(4):461-73

Cancer mortality in an Italian rubber factory. Bernardinelli L, et al. **Br J Ind Med** 1987 Mar;44(3):187-91

Hand dermatitis from a rubber motorcycle handle. Goh CL. **Contact Dermatitis** 1987 Jan;16(1):40-1

Discomfort from rubber gloves indicating contact urticaria. Wrangsjö K, et al. **Contact Dermatitis** 1986 Aug; 15(2):79-84

Mortality and incidence of cancer among Swedish rubber workers, 1952-1981. Gustavsson P, et al. **Scand J Work Environ Health** 1986 Dec;12(6):538-44

[Changes in the peripheral blood of workers engaged in ethylbenzene-styrene and synthetic rubber and latex manufacture] Khristeva V. **Probl Khig** 1986;11:90-5 (Eng. Abstr.) **(Bul)**

[Natural immunity of the pupils in a secondary vocational and technical school for rubber and plastics] Stamova N, et al. **Probl Khig** 1986;11:150-6 (Eng. Abstr.) **(Bul)**

[Contact allergy to rubber, surgical and vinyl gloves] Frosch PJ, et al. **Hautarzt** 1987 Apr;38(4):210-7 (Eng. Abstr.) **(Ger)**

[Prevention of milker's eczema] Wolff F, et al. **Z Gesamte Hyg** 1986 Nov;32(11):659-61 (Eng. Abstr.) **(Ger)**

[Achromatizing contact dermatitis caused by rubber sandals] Zaitz ID, et al. **Med Cutan Ibero Lat Am** 1987;15(1):1-7 (Eng. Abstr.) **(Por)**

[Origin of the sensitizing action of rubber in contact with the skin] Petrova LP, et al. **Gig Sanit** 1987 May;(5):46-9 (Eng. Abstr.) **(Rus)**

[Immunologic status of workers in the resin-processing industry] Iakovleva VV, et al. **Gig Tr Prof Zabol** 1986 Dec; (12):12-6 (Eng. Abstr.) **(Rus)**

[Occupational dermatoses from exposure to rubber and plastic gloves] Kanerva L, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):11-3 (Eng. Abstr.) **(Rus)**

ANALYSIS

N-nitrosamines and nitrosatable amines, potential precursors of N-nitramines, in children's pacifiers and baby-bottle nipples. Westin JB, et al. **Environ Res** 1987 Jun;43(1):126-34

Gas chromatographic-thermal energy analysis method for determination of volatile N-nitrosamines in baby bottle rubber nipples: collaborative study. Gray JI, et al. **J Assoc Off Anal Chem** 1987 Jan-Feb;70(1):64-8

Improved method for determination of volatile nitrosamines in baby bottle rubber nipples and pacifiers. Sen NP, et al. **J Assoc Off Anal Chem** 1987 May-Jun;70(3):434-8

Thin-layer chromatographic analysis of phenolic age resisters in elastomers in contact with the body, drugs and foods. Airaudo CB, et al. **J Chromatogr** 1987 Apr 17;392:407-14

Guayulins C and D from guayule (Parthenium argentatum). Martinez M, et al. **J Nat Prod** 1986 Nov-Dec;49(6):1102-3

[Relations of the levels of chemical migration from medical rubbers on the conditions for extract preparation] Chikishev IuG, et al. **Gig Sanit** 1986 Dec;(12):82-4 **(Rus)**

TOXICITY

Some chemicals used in plastics and elastomers: general remarks on the substances considered. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986;39:33-6

Some chemicals used in plastics and elastomers. IARC Working Group. Lyon, 11-18 June 1985. **IARC Monogr Eval Carcinog Risk Chem Hum** 1986; 39:7-378

[Further studies of the toxicity of volatile thermal degradation products of conveyor belts] Faff J, et al. **Med Pr** 1986;37(4):216-26 (Eng. Abstr.) **(Pol)**

[Data for establishing the maximum permissible concentrations in the migration of the vulcanization accelerator N',N'-dithiodimorpholine from rubber goods] Sokol'nikov EA. **Gig Sanit** 1986 Dec;(12):67-70 **(Rus)**

RUBBER, SILICONE see **SILICONE ELASTOMERS**

RUBEFACIENTS see **IRRITANTS**

RUBELLA

Maternal rubella after 18 weeks [letter] Lenke RR. **Lancet** 1987 Sep 19;2(8560):690

Temporal relations between maternal rubella and congenital defects. Munro ND, et al. **Lancet** 1987 Jul 25;2(8552):201-4

[Viral arthritis in childhood] Venuta A, et al. **Pediatr Med Chir** 1987 Jan-Feb;9(1):21-3 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Rubella virus-induced diabetes in the hamster. Rayfield EJ, et al. **Diabetes** 1986 Nov;35(11):1278-81

Risk factors for deafness in children [letter] Schloss MD. **J Otolaryngol** 1987 Jun;16(3):191

Severe subaortic stenosis associated with congenital rubella syndrome: palliation by percutaneous transcatheter device occlusion of a patent ductus arteriosus. Moore JW, et al. **Pediatr Cardiol** 1986;7(4):221-3

Ventriculitis in congenital rubella: ultrasound demonstration. Carey BM, et al. **Pediatr Radiol** 1987;17(5):415-6

Congenital rubella syndrome and physical growth: a 17-year, prospective, longitudinal follow-up in the Ryukyu Islands. Tokugawa K, et al. **Rev Infect Dis** 1986 Nov-Dec; 8(6):874-83

Rubella subretinal neovascularization. Sorr EM, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):347-54

[Intracerebral calcification in a patient with late-onset congenital rubella] Roos RA, et al. **Tijdschr Kindergeneeskd** 1987 Jul;55(3):100-3 (Eng. Abstr.) **(Dut)**

[Pericarditis as a complication of rubella] Fink C, et al. **Schweiz Med Wochenschr** 1987 Jan 3;117(1):28-32 (Eng. Abstr.) **(Ger)**

[A case of pandysautonomia following rubella infection] Ohno K, et al. **Rinsho Shinkeigaku** 1987 Apr;27(4):454-7 (Eng. Abstr.) **(Jpn)**

[Rubella in pregnancy] Jenum PA, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17-18):1538-41 (Eng. Abstr.) **(Nor)**

CONGENITAL

Congenital rubella in babies of south Asian women in England and Wales: an excess and its causes. Miller E, et al. **Br Med J [Clin Res]** 1987 Mar 21;294(6574):737-9

Lack of association between titers of HAI antibody and whole-virus ELISA values for patients with congenital rubella syndrome. Hancock EJ, et al. **J Infect Dis** 1986 Dec;154(6):1031-3

[Reinfection after rubella and congenital polymalformation syndrome] Sibille G, et al. **J Genet Hum** 1986 Aug; 34(3-4):305-12 (Eng. Abstr.) **(Fre)**

[Progressive rubella deafness (letter)] Carpentier C, et al. **Presse Med** 1987 Jun 20;16(24):1202 **(Fre)**

[Disciform maculopathy--a late complication of retinal dystrophy in congenital rubella infection] Menne K, et al. **Fortschr Ophthalmol** 1986;83(5):615-6 (Eng. Abstr.) **(Ger)**

[Congenital rubella retinopathy--a progressive disease] Menne K. **Klin Monatsbl Augenheilkd** 1986 Oct; 189(4):326-9 (Eng. Abstr.) **(Ger)**

[Congenital infections caused by TORCH agents] Fabris C, et al. **Pediatr Med Chir** 1986 Jul-Aug;8(4):443-52 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Removal of nonspecific hemagglutination inhibitors, immunoglobulin G, and immunoglobulin A with streptococcal cells and its application to the rubella hemagglutination inhibition test. Kawano K, et al. **Arch Virol** 1987;95(1-2):41-52

Rubella. Newton-John H, et al. **Aust Fam Physician** 1986 Sep;15(9):1219-20

Prenatal diagnosis of intrauterine rubella. Enders G, et al. **Infection** 1987 May-Jun;15(3):162-4

Detection of specific IgG and IgM antibodies in the haemagglutination inhibition test and the enzyme-linked immunoassay for the diagnosis of rubella infection. Maroto Vela MC, et al. **Infection** 1986 Jul-Aug;14(4):159-62

Single-serum radial hemolysis to detect recent rubella virus infection. Hedman K, et al. **J Infect Dis** 1986 Dec; 154(6):1018-23

The development of an M antibody capture ELISA for rubella IgM. Bellamy K, et al. **J Virol Methods** 1986 Nov; 14(3-4):243-51

Maternal rubella: one problem in diagnosis and another in prevention [letter] Drabu YJ, et al. **Lancet** 1987 Sep 5; 2(8558):561-2

Reversible symmetrical white matter low attenuation in rubella encephalitis. Both in X-ray CT and 11C-glucose positron emission tomography. Hiraiwa M, et al. **Neuropediatrics** 1987 Feb;18(1):54-6

[Use of the indirect immunofluorescence technic in the diagnosis of rubella] Fraňková V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Apr;36(2):71-8 (Eng. Abstr.) **(Cze)**

[Congenital rubella syndrome; a still existent disease] van Wezel-Meijler G, et al. **Ned Tijdschr Geneeskd** 1986 Oct 4;130(40):1793-6 (Eng. Abstr.) **(Dut)**

[Critical evaluation of the selective diagnosis of rubella in pregnancy] Weise W, et al. **Z Arztl Fortbild (Jena)** 1987; 81(6):271-5 **(Ger)**

[Procedures for preparing hemagglutinin for routine serologic diagnosis] Sandow D, et al. **Z Gesamte Hyg** 1986 Oct;32(10):621-3 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of fetal rubella infection] Intödy Z, et al. **Orv Hetil** 1987 Aug 30;128(35):1839-41 (Eng. Abstr.) **(Hun)**

[Rubella: laboratory diagnosis, prophylaxis] Persia C, et al. **Quad Sclavo Diagn** 1986 Mar;22(1):51-7 (Eng. Abstr.) **(Ita)**

[Evaluation of 3 laboratory methods for the serological diagnosis of rubella] Vial P, et al. **Rev Med Chil** 1986 May; 114(5):445-9 (Eng. Abstr.) **(Spa)**

ETHNOLOGY

Congenital rubella in babies of south Asian women in England and Wales [letter] Crawford CM. **Br Med J [Clin Res]** 1987 Apr 25;294(6579):1099-100

HISTORY

The rubella story, 1881-1985. Horstmann DM. **S Afr Med J** 1986 Oct 11;Suppl:60-3

IMMUNOLOGY

Postinfection and postvaccination antirubella immunity. Kańtoch M, et al. **Acta Virol (Praha)** 1986 Sep;30(5):381-9

Hemagglutination inhibition antibodies in congenital rubella syndrome. A 17-year follow-up in the Ryukyu Islands. Ueda K, et al. **Am J Dis Child** 1987 Feb;141(2):211-2

Congenital rubella. Monoclonal antibody-defined T cell abnormalities in young adults. Rabinowe SL, et al. **Am J Med** 1986 Nov;81(5):779-82

Rubella in the workplace: the need for employee immunization. Goodman AK, et al. **Am J Public Health** 1987 Jun;77(6):725-6

Immunity to rubella among women of child-bearing age. Lever AM, et al. **Br J Obstet Gynaecol** 1987 Mar; 94(3):208-12

Fall and rise of immunity to rubella. Munro ND, et al. **Br Med J** 1987 Feb 21;294(6570):481

Immunity against measles and rubella in Massachusetts schoolchildren. Orenstein WA, et al. **Dev Biol Stand** 1986; 65:75-83

Determination of immune status in patients with low antibody titers for rubella virus. Fayram SL, et al. **J Clin Microbiol** 1987 Jan;25(1):178-80

Development and evaluation of a capture enzyme-linked immunosorbent assay for determination of rubella immunoglobulin M using monoclonal antibodies. Gerna I, et al. **J Clin Microbiol** 1987 Jun;25(6):1033-8

Accuracy of single radial hemolysis test for rubella immunity when internal reference standards are used to estimate antibody levels. Nommensen FE. **J Clin Microbiol** 1987 Jan;25(1):22-5

Prevalence of anti rubella antibodies in pregnant and prepubertal females--a preliminary study. Azmi F, et al. **JPMA** 1987 Jan;37(1):6-7

IgM serology for rubella and human parvovirus B19 [letter] Cohen BJ, et al. **Lancet** 1987 Feb 14;1(8529):393

Human parvovirus and rubella cross-reactions in specific IgM tests [letter] Lefrere JJ, et al. **Lancet** 1987 Jan 3; 1(8523):50

Comparison of serological methods for the detection of IgG and IgM antibodies to rubella virus. Arista S, et al. **Microbiologica** 1987 Apr;10(2):151-60

Seroepidemiology of rubella in pregnant females in Catalonia (Spain). Pumarola A, et al. **Rev Epidemiol Sante Publique** 1987;35(2):136-40

[Rubella immune status in pregnant women] Bitsch M, et al. **Ugeskr Laeger** 1986 Sep 1;148(36):2291-2 (Eng. Abstr.) **(Dan)**

[Detection of measles and rubella-specific antigens in the endochondral ossification zone in otosclerosis] Arnold W, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Apr;66(4):167-71 (Eng. Abstr.) **(Ger)**

[Rubella immunity and rubella infections in pregnancy in various population groups] Steinwehr D. **Z Arztl Fortbild (Jena)** 1987;81(6):277-9 **(Ger)**

[Comparative study of 2 latex tests (rubalex and rubascan) with an immunoenzyme test (enzygnost-rubella) and a hemagglutination inhibition test for the study of anti-rubella antibodies] Rescaldani R, et al. **Quad Sclavo Diagn** 1986 Jun;22(2):127-34 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Incidence of congenital rubella syndrome in Japan (1965-1985). A nationwide survey of the number of deaf children with history of maternal rubella attending special schools for the deaf in Japan. Ueda K, et al. **Am J Epidemiol** 1986 Nov;124(5):807-15

Rubella: one hospital's experience [letter] Jacobson JT. **Am J Infect Control** 1987 Jun;15(3):136-7

Antenatal screening for congenital infection with rubella, cytomegalovirus and toxoplasma. Sfameni SF, et al. **Aust NZ J Obstet Gynaecol** 1986 Nov;26(4):257-60

Rubella and cytomegalovirus infection in pregnancy. Peckham CS. **Clin Exp Obstet Gynecol** 1986;13(3-4):97-107 (19 ref.)

Rubella in pregnant Danish women 1975-1984. Bitsch M. **Dan Med Bull** 1987 Mar;34(1):46-9

Continuing problem in congenital rubella syndrome in southern Japan. Its outbreak in Fukuoka and the surrounding areas after the 1965-1969 and 1975-1977 rubella epidemics. Ueda K, et al. **Fukuoka Igaku Zasshi** 1986 Jun;77(6):309-13

Rubella epidemicity and endemicity in Japan: analysis of birth years of the 365 cases of deaf children with history of maternal rubella [letter] Tokugawa K, et al. **Int J Epidemiol** 1986 Dec;15(4):585-7

Serological study of rubella-like illnesses. Shirley JA, et al. **J Med Virol** 1987 Apr;21(4):369-79

Maternal rubella at St Thomas' Hospital in 1978 and 1986: support for augmenting the rubella vaccination programme.

Best JM, et al. **Lancet** 1987 Jul 11;2(8550):88–90

Rubella and congenital rubella syndrome—New York City. **MMWR** 1986 Dec 19;35(50):770–4, 779

Rubella infection in females of reproductive age and newborns in Taiwan. Ko TM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Sep;85(9):856–61

The prevalence of rubella infection in Somalia. Morandi N, et al. **Trop Med Parasitol** 1986 Sep;37(3):298–9

[Rubella in pregnant women in Abidjan (Ivory Coast)] Ouattara SA, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(2):149–54 (Eng. Abstr.) **(Fre)**

[Toxoplasmosis and rubella in Sousse: a sero-epidemiologic study in a school environment] Jemini L, et al. **Tunis Med** 1986 Aug–Sep;64(8–9):679–82 (Eng. Abstr.) **(Fre)**

[Evaluation of immune status in rubella infection in the pregnant population of the U.S.L. 3 of Pesaro 1981–1985] Acetoso M, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):283–90 (Eng. Abstr.) **(Ita)**

[Rubella in Vojvodina. I. Characteristics of its periodic, seasonal and geographic incidence from 1978 to 1985] Durišić S, et al. **Med Pregl** 1986;39(5–6):265–8 (Eng. Abstr.) **(Ser)**

PATHOLOGY

Rubella myelitis and encephalitis in childhood. A report of two cases with magnetic resonance imaging. Bitzan M. **Neuropediatrics** 1987 May;18(2):84–7

PREVENTION & CONTROL

Preventing rubella: assessing missed opportunities for immunization. Robertson SE, et al. **Am J Public Health** 1987 Oct;77(10):1347–9

Measles must go and with it rubella [editorial] Banatvala JE. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):2–3

Rubella susceptibility and the continuing risk of infection in pregnancy. Miller CL, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1277–8

Rubella antibodies in female applicants for premarital health certificates in Mar del Plata, Argentina. Pereira F, et al. **Bull Pan Am Health Organ** 1986;20(2):179–85

Rubella seronegativity [letter] Goldenring JM. **Clin Pediatr (Phila)** 1987 Mar;26(3):156

The virtual elimination of rubella and mumps from the United States and the use of combined measles, mumps and rubella vaccines (MMR) to eliminate measles. Bart KJ, et al. **Dev Biol Stand** 1986;65:45–52 (19 ref.)

Vaccination with a combined vaccine against measles, mumps and rubella aiming at elimination of the three diseases. Böttiger M, et al. **Dev Biol Stand** 1986;65:37–43

Measles, mumps and rubella: control by vaccination. van Druten JA, et al. **Dev Biol Stand** 1986;65:53–63

Rubella immunisation rates in Dundee. Hill A. **Health Bull (Edinb)** 1986 Sep;44(5):290–3

Factors associated with clinical reactions to rubella vaccination in women. Nakazono N, et al. **Int J Gynaecol Obstet** 1987 Jun;25(3):207–16

Could most cases of congenital rubella in Ireland be prevented by post-partum immunization? Fitzsimons R, et al. **Ir Med J** 1986 Aug;79(8):216–7

To screen or to vaccinate? A decision analysis for rubella prevention on campus. Chan CW. **J Am Coll Health** 1986 Nov;35(3):116–21

Rubella vaccination policy [letter] Fitzpatrick C. **Lancet** 1987 Sep 5;2(8558):562

Rubella vaccination policy: a note of reassurance [letter] Miller C, et al. **Lancet** 1987 Jul 25;2(8552):210

Rubella vaccination policy: a note of caution [letter] Nokes DJ, et al. **Lancet** 1987 Jun 20;1(8547):1441–2

Congenital rubella syndrome [letter] **Med J Aust** 1986 Oct 20;145(8):427–8

Rubella vaccination [letter] Proudfoot A. **Med J Aust** 1987 Jan 19;146(2):119

Vaccination, 2; maternal rubella, 0 [letter] Upfold LJ. **Med J Aust** 1987 Jan 19;146(2):119

Combination measles, mumps, rubella and varicella vaccine. Arbeter AM, et al. **Pediatrics** 1986 Oct;78(4 Pt 2):742–7

Interventions to improve uptake of rubella immunization. Newman CP, et al. **Public Health** 1985 Mar;99(2):85–8

Rubella—a case for immunising male adolescents. Coetzer PW, et al. **S Afr Med J** 1987 Jan 24;71(2):75–8

Preventing teratogenic viral infections in hospital employees: the cases of rubella, cytomegalovirus and varicella-zoster virus. Nelson KE, et al. **State Art Rev Occup Med** 1987 Jul–Sep;2(3):471–98 (138 ref.)

Rubella susceptibility in young women of rural east Texas: 1980 and 1985. Crowder M, et al. **Tex Med** 1987 May; 83(5):43–7

Prevention of rubella infection among women of child-bearing age by screening and vaccination. Assessment during a nationwide rubella epidemic in Israel [letter] Fogel A, et al. **Vaccine** 1987 Jun;5(2):82

[Congenital rubella syndrome; a persistent disease (letter)] Huisman J. **Ned Tijdschr Geneeskd** 1986 Nov 29; 130(48):2192 **(Dut)**

[Effectiveness of rubella vaccination in the puerperium] Huter O, et al. **Geburtshilfe Frauenheilkd** 1986 Sep; 46(9):640–2 (Eng. Abstr.) **(Ger)**

[Elimination of measles, mumps and rubella in Switzerland] Herzog C. **Soz Praventivmed** 1986;31(6):326–9 (Eng. Abstr.) **(Ger)**

REHABILITATION

Postsecondary programs for deaf students at the peak of the rubella bulge. DeCaro JJ, et al. **Am Ann Deaf** 1987 Mar; 132(1):36–42

RUBELLA SYNDROME, CONGENITAL see under **RUBELLA**

RUBELLA VACCINE

Measles must go and with it rubella [editorial] Banatvala JE. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):2–3

Rubella susceptibility and the continuing risk of infection in pregnancy. Miller CL, et al. **Br Med J [Clin Res]** 1987 May 16;294(6582):1277–8

The virtual elimination of rubella and mumps from the United States and the use of combined measles, mumps and rubella vaccines (MMR) to eliminate measles. Bart KJ, et al. **Dev Biol Stand** 1986;65:45–52 (19 ref.)

Vaccination with a combined vaccine against measles, mumps and rubella aiming at elimination of the three diseases. Böttiger M, et al. **Dev Biol Stand** 1986;65:37–43

Measles, mumps and rubella: control by vaccination. van Druten JA, et al. **Dev Biol Stand** 1986;65:53–63

Factors associated with clinical reactions to rubella vaccination in women. Nakazono N, et al. **Int J Gynaecol Obstet** 1987 Jun;25(3):207–16

To screen or to vaccinate? A decision analysis for rubella prevention on campus. Chan CW. **J Am Coll Health** 1986 Nov;35(3):116–21

Maternal rubella at St Thomas' Hospital in 1978 and 1986: support for augmenting the rubella vaccination programme. Best JM, et al. **Lancet** 1987 Jul 11;2(8550):88–90

Measles, mumps, and rubella vaccine [letter] Carter H, et al. **Lancet** 1986 Oct 11;2(8511):867

Rubella vaccination policy [letter] Fitzpatrick C. **Lancet** 1987 Sep 5;2(8558):562

Rubella vaccination policy: a note of reassurance [letter] Miller C, et al. **Lancet** 1987 Jul 25;2(8552):210

Combination measles, mumps, rubella and varicella vaccine. Arbeter AM, et al. **Pediatrics** 1986 Oct;78(4 Pt 2):742–7

ADMINISTRATION & DOSAGE

Safe immunization of allergic children against measles, mumps, and rubella. Juntunen-Backman K, et al. **Am J Dis Child** 1987 Oct;141(10):1103–5

Preventing rubella: assessing missed opportunities for immunization. Robertson SE, et al. **Am J Public Health** 1987 Oct;77(10):1347–9

Rubella vaccination: a study in adult male volunteers. Harcus AW, et al. **Curr Med Res Opin** 1986;10(5):291–5

Could most cases of congenital rubella in Ireland be prevented by post-partum immunization? Fitzsimons R, et al. **Ir Med J** 1986 Aug;79(8):216–7

Leads from the MMWR. Rubella vaccination during pregnancy—United States, 1971–1986. **JAMA** 1987 Aug 14;258(6):753, 757

Measles vaccine once or MMR twice? [editorial] **Lancet** 1986 Sep 20;2(8508):671

Rubella vaccination policy: a note of caution [letter] Nokes DJ, et al. **Lancet** 1987 Jun 20;1(8547):1441–2

Rubella vaccination during pregnancy—United States, 1971–1986. **MMWR** 1987 Jul 24;36(28):457–61

Persistence of antibody after administration of monovalent and combined live attenuated measles, mumps, and rubella virus vaccines. Weibel RE, et al. **Pediatrics** 1978 Jan; 61(1):5–11

Interventions to improve uptake of rubella immunization. Newman CP, et al. **Public Health** 1985 Mar;99(2):85–8

[Effectiveness of rubella vaccination in the puerperium] Huter O, et al. **Geburtshilfe Frauenheilkd** 1986 Sep; 46(9):640–2 (Eng. Abstr.) **(Ger)**

[Routine vaccination at the I. University Gynecologic Clinic. Rhesus prevention and rubella vaccination in the puerperium] Gitsch E. **Gynakol Rundsch** 1986;26(4):231–4 **(Ger)**

ADVERSE EFFECTS

Reactions to rubella vaccinations [letter] Moss JT. **Aust Fam Physician** 1986 Dec;15(12):1543, 1546

Rubella vaccine—how 'reactogenic' is it? Griffin GV, et al. **J Int Med Res** 1986;14(6):316–20

Combination measles, mumps, rubella and varicella vaccine. Arbeter AM, et al. **Pediatrics** 1986 Oct;78(4 Pt 2):742–7

[The low number of reported adverse effects after vaccination against measles, mumps, rubella] Taranger J, et al. **Lakartidningen** 1987 Mar 18;84(12):948–50 **(Swe)**

IMMUNOLOGY

Postinfection and postvaccination antirubella immunity. Kańtoch M, et al. **Acta Virol (Praha)** 1986 Sep;30(5):381–9

Protection of mumps in children with various underlying diseases: application of a live attenuated mumps and trivalent measles-rubella-mumps (MRM) vaccines in these children. Kanesaki T, et al. **Biken J** 1986 Dec;29(3–4):63–71

Effect of simultaneous administration of live measles vaccine on the "take rate" of live mumps vaccine.André FE, et al. **Dev Biol Stand** 1986;65:101–7

The combination measles, mumps, rubella and varicella vaccine in healthy children. Arbeter AM, et al. **Dev Biol Stand** 1986;65:89–93

Immune response to Edmonston-Zagreb measles virus strain in monovalent and combined MMR vaccine. Beck M, et al. **Dev Biol Stand** 1986;65:95–100

Evaluation of a combined vaccine against measles-mumps-rubella produced on human diploid cells. Just M, et al. **Dev Biol Stand** 1986;65:25–7

Evaluation of a combined measles-mumps-rubella-chickenpox vaccine. Just M, et al. **Dev Biol Stand** 1986;65:85–8

Comparative study and evaluation of further attenuated, live measles vaccines alone and in combination with mumps and rubella vaccines. Wegmann A, et al. **Dev Biol Stand** 1986;65:69–74

A comparison of the reactivity and immunogenicity of RA 27/3 strain rubella vaccine prepared in WI-38 or MRC5 human diploid cells. Zealley H, et al. **J Biol Stand** 1986 Jul;14(3):213–6

Affinity and sub-class distribution of IgG-class antibodies following vaccination with a live rubella virus vaccine. Lehtinen M. **Vaccine** 1987 Jun;5(2):88–9

[Evaluation of the immune status in a female population sample 10 years after rubella vaccination] Becchi A, et al. **Nuovi Ann Ig Microbiol** 1985 Jul–Aug;36(4):305–11 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

2',5'-Oligoadenylate synthetase and interferon in peripheral blood after rubella, measles, or mumps live virus vaccine. Tilles JG, et al. **Proc Soc Exp Biol Med** 1987 Oct; 186(1):70–4

STANDARDS

Immunocytochemical focus assay for potency determination of measles-mumps-rubella trivalent vaccine. Fukuda A, et al. **J Virol Methods** 1987 Mar;15(4):279–84

THERAPEUTIC USE

[Congenital rubella syndrome; a persistent disease (letter)] Huisman J. **Ned Tijdschr Geneeskd** 1986 Nov 29; 130(48):2192 **(Dut)**

RUBELLA VIRUS

GENETICS

Rubella virus cDNA. Sequence and expression of E1 envelope protein. Nakhasi HL, et al. **J Biol Chem** 1986 Dec 15;261(35):16616–21

Nucleotide sequence and in vitro expression of rubella virus 24S subgenomic messenger RNA encoding the structural proteins E1, E2 and C. Clarke DM, et al. **Nucleic Acids Res** 1987 Apr 10;15(7):3041–57

IMMUNOLOGY

Postinfection and postvaccination antirubella immunity. Kańtoch M, et al. **Acta Virol (Praha)** 1986 Sep;30(5):381–9

A comparison of two passive agglutination procedures with enzyme-linked immunosorbent assay for rubella antibody status. Pruneda RC, et al. **Am J Clin Pathol** 1986 Dec; 86(6):768–70

Hemagglutination inhibition antibodies in congenital rubella syndrome. A 17-year follow-up in the Ryukyu Islands. Ueda K, et al. **Am J Dis Child** 1987 Feb;141(2):211–2

Determination of antibodies to rubella virus with the disperse dye immunoassay (DIA) in comparison with an enzyme-linked immunosorbent assay (ELISA). Rothe U, et al. **Biomed Biochim Acta** 1986;45(10):1325–32

Fall and rise of immunity to rubella. Munro ND, et al. **Br Med J** 1987 Feb 21;294(6570):481

Serologic screening for cytomegalovirus, rubella virus, herpes simplex virus, hepatitis B virus, and Toxoplasma gondii in two urban populations of pregnant women in Chile. Vial P, et al. **Bull Pan Am Health Organ** 1986; 20(1):53–61

Mediastinal germ cell tumour associated with malignant histiocytosis and high rubella titres. Ashby MA, et al. **Hematol Oncol** 1986 Jul–Sep;4(3):183–94

Comparison of HLA-Dw1 and -Dw2 positive adherent cells in antigen presentation to heterozygous T-cell lines: a low rubella antigen-specific response associated with HLA-Dw2 [published erratum appears in Hum Immunol 1987 Mar;18(3):257] Ilonen J, et al. **Hum Immunol** 1986 Oct;17(2):94–101

Determination of immune status in patients with low antibody titers for rubella virus. Fayram SL, et al. **J Clin Microbiol** 1987 Jan;25(1):178–80

Development and evaluation of a capture enzyme-linked immunosorbent assay for determination of rubella immunoglobulin M using monoclonal antibodies. Gerna I, et al. **J Clin Microbiol** 1987 Jun;25(6):1033–8

Latex agglutination test for rubella antibodies: report based on data from the College of American Pathologists surveys, 1983 to 1985. Skendzel LP, et al. **J Clin Microbiol** 1986 Sep;24(3):333–5

The effect of antibody on rubella virus infection in human lymphoid cells. Chantler JK, et al. **J Gen Virol** 1987 May; 68 (Pt 5):1277–88

Synergistic neutralization of rubella virus by monoclonal antibodies to viral haemagglutinin. Gerna G, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):2007–12

Lack of association between titers of HAI antibody and

whole-virus ELISA values for patients with congenital rubella syndrome. Hancock EJ, et al. **J Infect Dis** 1986 Dec;154(6):1031-3

Single-serum radial hemolysis to detect recent rubella virus infection. Hedman K, et al. **J Infect Dis** 1986 Dec; 154(6):1018-23

The development of an M antibody capture ELISA for rubella IgM. Bellamy K, et al. **J Virol Methods** 1986 Nov; 14(3-4):243-51

Use of an image analyser for rubella radical haemolysis plates. Ellis VM, et al. **J Virol Methods** 1987 Mar;15(4):267-72

Comparison of serological methods for the detection of IgG and IgM antibodies to rubella virus. Arista S, et al. **Microbiologica** 1987 Apr;10(2):151-60

Seroepidemiology of rubella in pregnant females in Catalonia (Spain). Pumarola A, et al. **Rev Epidemiol Sante Publique** 1987;35(2):136-40

Rubella-specific IgM determination of heat-treated sera [letter] Jansson R, et al. **Scand J Infect Dis** 1986;18(4):379

The prevalence of rubella infection in Somalia. Morandi N, et al. **Trop Med Parasitol** 1986 Sep;37(3):298-9

[The screening of rubella virus IgG antibody in Kaohsiung area women of successive age groups] Tsai TY, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 May;19(2):168-75 (Eng. Abstr.) **(Chi)**

[Development of hybridomas secreting monoclonal antibodies to rubella virus and its use in detecting the rubella virus] Li CM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1987 Apr; 9(2):125-7 (Eng. Abstr.) **(Chi)**

[Modification of the radial hemolysis in gel method for screening for rubella antibodies with unambiguous results] Raszka J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Apr; 36(2):110-6 (Eng. Abstr.) **(Cze)**

[Specific antibodies to herpes simplex virus, cytomegalovirus and rubella virus: distribution in amniotic fluid and blood] Dennin RH, et al. **Geburtshilfe Frauenheilkd** 1986 Dec; 46(12):873-6 (Eng. Abstr.) **(Ger)**

[Effect of mercaptans on serum IgA] Angeretti A, et al. **Boll Ist Sieroter Milan** 1986;65(5):380-5 (Eng. Abstr.) **(Ita)**

[Evaluation of the immune status in a female population sample 10 years after rubella vaccination] Becchi A, et al. **Nuovi Ann Ig Microbiol** 1985 Jul-Aug;36(4):305-11 (Eng. Abstr.) **(Ita)**

[Rapid detection of rubella antibodies in general practice] Gunnes M, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10; 107(1):67-8 (Eng. Abstr.) **(Nor)**

[Class M immunoglobulins (IgM) against rubella and cytomegaloviruses in the blood of newborn infants with a low weight] Polak D, et al. **Srp Arh Celok Lek** 1986 May-Jun;114(5-6):469-73 (Eng. Abstr.) **(Scc)**

[Antibodies against rubella and herpes virus in women attending hospitalized newborn infants] Montero T, et al. **Rev Chil Pediatr** 1986 Jan-Feb;57(1):46-50 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

The development and standardization of an antigen detection ELISA for rubella virus grown in rabbit cells. Edevåg G, et al. **J Biol Stand** 1986 Apr;14(2):111-9

PHYSIOLOGY

Distribution by immunofluorescence of viral products and actin-containing cytoskeletal filaments in rubella virus-infected cells. Bowden DS, et al. **Arch Virol** 1987; 92(3-4):211-9

RUBEOLA see **MEASLES**

RUBIDIUM

ANALYSIS

A study of the determination of rubidium in human erythrocytes by atomic absorption spectrophotometry. Okada M, et al. **Hiroshima J Med Sci** 1986 Dec;35(4):403-9

BLOOD

Blood rubidium level in patients with major affective disorders. Malek-Ahmadi P, et al. **Gen Pharmacol** 1987; 18(3):215-7 (43 ref.)

[Changes in rubidium and cesium levels in the blood of patients on long-term dialysis and decreased velocity of neural conduction] Adamiec R, et al. **Neurol Neurochir Pol** 1986 Mar-Apr;20(2):101-5 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Serial analysis of renal blood flow by positron tomography with rubidium-82. Tamaki N, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1024-30

Unsuitability of the 86Rb+ uptake method for estimation of (Na+ + K+)-ATPase activity in innervated tissues. Powis DA, et al. **Biochim Biophys Acta** 1986 Oct 9; 861(2):251-8

The strontium-82/rubidium-82 generator. **Int J Rad Appl Instrum** [A] 1987;38(3):171-239

Preparation and evaluation of a hydrous tin(IV) oxide 82Sr/82Rb medical generator system for continuous elution. Brihaye C, et al. **Int J Rad Appl Instrum** [A] 1987; 38(3):213-7

Model for 82Sr/82Rb generator elution profiles: a secondary approach to radioassay/dosimetry. Dhawan V. **Int J Rad Appl Instrum** [A] 1987;38(3):233-9

Radioanalysis of 82Rb generator eluates. Gennaro GP, et al. **Int J Rad Appl Instrum** [A] 1987;38(3):219-25

Clinical uses of 82Sr/82Rb generators. Jones T. **Int J Rad Appl Instrum** [A] 1987;38(3):171-3

A partial decay scheme study of 82Rb and consequences for radiation dose measurements. Judge SM, et al. **Int J Rad Appl Instrum** [A] 1987;38(3):185-90

Experience with a 82Sr/82Rb generator for clinical use. Kensett MJ, et al. **Int J Rad Appl Instrum** [A] 1987; 38(3):227-31

Essentials of a rubidium-82 generator for nuclear medicine. Yano Y. **Int J Rad Appl Instrum** [A] 1987;38(3):205-11

Positron imaging of myocardial infarction with rubidium-82. Goldstein RA, et al. **J Nucl Med** 1986 Dec;27(12):1824-9

Skeletal muscle blood flow in vivo: detection with rubidium-82 and effects of glucose, insulin, and exercise. Mossberg KA, et al. **J Nucl Med** 1987 Jul;28(7):1155-63

Use of short- and long-lived rubidium tracers for the study of transient ischemia. Shea MJ, et al. **J Nucl Med** 1987 Jun;28(6):989-97

[Comparison of 85Sr-microspheres, 86Rb and 125I-antipyrine as indicators of regional blood flow in laboratory rats] Kapitola J, et al. **Cesk Fysiol** 1986; 35(6):509-13 **(Cze)**

METABOLISM

Pharmacological control of 86Rb efflux from mouse pancreatic islets. Henquin JC, et al. **Adv Exp Med Biol** 1986;211:83-93

Effect of hypertensive rat plasma on ion transport of cultured vascular smooth muscle. Magargal WW, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H984-90

36Cl- and 86Rb+ uptake in rat parotid acinar cells. Kawaguchi M, et al. **Arch Oral Biol** 1986;31(10):679-83

Comparison of rubidium-86 and potassium-42 fluxes in rat aorta. Smith JM, et al. **Blood Vessels** 1986;23(6):297-309

Effect of the K+ efflux stimulating vasodilator BRL 34915 on 86Rb+ efflux and spontaneous activity in guinea-pig portal vein. Quast U. **Br J Pharmacol** 1987 Jul;91(3):569-78

Enhancement of specific [3H]ouabain binding and ouabain sensitive 86rubidium influx in intact human lymphocytes by a dialysable factor in human and fetal calf serum. Oh VM, et al. **Clin Sci** 1987 Jan;72(1):71-9

Abnormalities in glucose-stimulated insulin release, 45Ca uptake, and 86Rb efflux in diabetic Chinese hamster islets. Frankel BJ, et al. **Diabetes** 1987 May;36(5):648-53

Can maximum ouabain-sensitive 86Rb+ uptake rate be obtained by increasing Na+ influx? Kennedy RH, et al. **Eur J Pharmacol** 1986 Sep 23;129(1-2):77-85

Scorpion venom inhibits carbamylcholine-induced 86rubidium efflux from rat parotid acini. Dehaye JP, et al. **FEBS Lett** 1987 Jul 27;219(2):451-4

The accumulation of myoinositol and rubidium ions in galactose-exposed rat lens. Kawaba T, et al. **Invest Ophthalmol Vis Sci** 1986 Oct;27(10):1522-6

Rapid release of 42K and 86Rb from an occluded state of the Na,K-pump in the presence of ATP or ADP. Forbush B 3d. **J Biol Chem** 1987 Aug 15;262(23):11104-15

Rapid release of 42K or 86Rb from two distinct transport sites on the Na,K-pump in the presence of Pi or vanadate. Forbush B 3d. **J Biol Chem** 1987 Aug 15;262(23):11116-27

Extracellular ATP4- promotes cation fluxes in the J774 mouse macrophage cell line. Steinberg TH, et al. **J Biol Chem** 1987 Mar 5;262(7):3118-22

Occlusion of 22Na+ and 86Rb+ in membrane-bound and soluble protomeric alpha beta-units of Na,K-ATPase. Vilsen B, et al. **J Biol Chem** 1987 Aug 5;262(22):10511-7

Rubidium-82 myocardial uptake and extraction after transient ischemia: PET characteristics. Wilson RA, et al. **J Comput Assist Tomogr** 1987 Jan-Feb;11(1):60-6

Kinetic mechanism of Na+, K+, Cl--cotransport as studied by Rb+ influx into HeLa cells: effects of extracellular monovalent ions. Miyamoto H, et al. **J Membr Biol** 1986; 92(2):135-50

Myocardial uptake of thallium and rubidium during alterations in perfusion and oxygenation in isolated rabbit hearts. Leppo JA. **J Nucl Med** 1987 May;28(5):878-85

Effects of isoproterenol on rubidium transport in slow- and fast-twitch muscles from euthyroid and hyperthyroid rats. Molnár GM, et al. **Pflugers Arch** 1986 Oct;407(4):440-4

Interaction of monensin with dietary vanadium, potassium, and protein, and its effect on hepatic rubidium and potassium in chicks. Cervantes HM, et al. **Poult Sci** 1986 Aug;65(8):1591-7

Significance of Ca2+, Rb+ fluxes, of cAMP and cGMP for the CCK8-modulated insulin release. Verspohl EJ, et al. **Regul Pept** 1987 Apr;17(4):229-41

[Development of dialysis encephalopathy in the context of rubidium and aluminum levels in the blood and cerebral cortex of patients with concomitant uremic polyneuropathy on long-term dialysis] Adamiec R, et al. **Przegl Lek** 1987; 44(3):309-14 (Eng. Abstr.) **(Pol)**

[Alteration of the principle of independence of ion flux during movement of 2 types of ions through the gramicidin channel] Shchagina LV, et al. **Dokl Akad Nauk SSSR** 1987; 292(5):1257-60 **(Rus)**

[Cation transport and content in serum-stimulated CHO-773 cells. I. Rapid changes in rubidium and lithium influxes and intracellular sodium content] Marakhova II, et al. **Tsitologiia** 1987 Jan;29(1):59-65 (Eng. Abstr.) **(Rus)**

[Cation transport and content in serum-stimulated CHO-773 cells. II. Late changes in rubidium influx and intracellular potassium content] Marakhova II, et al. **Tsitologiia** 1987 Feb;29(2):202-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Lithium versus rubidium in chemiluminescence. Rossini D, et al. **Acta Haematol (Basel)** 1987;77(4):241-2

Characterization of (Na+ + K+)-ATPase-liposomes. III. Controlled activation and inhibition of symmetric pumps by timed asymmetric ATP, RbCl, and cardiac glycoside addition. Rey HG, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):27-37

Effects of lithium and rubidium on the differentiation of mononuclear cells. Petrini M, et al. **Int J Tissue React** 1986; 8(5):391-2

The effects of rubidium ions on components of the potassium conductance in the frog node of Ranvier. Plant TD. **J Physiol (Lond)** 1986 Jun;375:81-105

SECRETION

Dihydroxy bile salt-induced secretion of rubidium ion across the rabbit distal colon. Freel RW. **Am J Physiol** 1987 Apr; 252(4 Pt 1):G554-61

RUBIDOMYCIN see **DAUNORUBICIN**

RUBINSTEIN-TAYBI SYNDROME see under **ABNORMALITIES, MULTIPLE**

RUBIVIRUS see **RUBELLA VIRUS**

RUBOMYCIN see **DAUNORUBICIN**

RUBREDOXINS see under **FERREDOXINS**

RUFFINI'S CORPUSCLES see **THERMORECEPTORS**

RUFOCROMOMYCIN see **STREPTONIGRIN**

RUMEN

[Liver diseases in high-production cows with ruminal acidosis] Ivanov IB, et al. **Vet Med Nauki** 1987;24(2):24-9 (Eng. Abstr.) **(Bul)**

ANALYSIS

Effects of feeding monensin sodium to lactating goats: milk composition and ruminal volatile fatty acids. Brown DL, et al. **J Dairy Sci** 1985 May;68(5):1141-7

ANATOMY & HISTOLOGY

Anatomical studies into the ruminal mucosa of pygmy goats in relation to their age. Berg R, et al. **Arch Tierernahr** 1986 Jul;36(7):611-6

Histological studies into the ruminal mucosa of pygmy goats in relation to their age. Berg R, et al. **Arch Tierernahr** 1986 Jul;36(7):617-20

DRUG EFFECTS

Effects of tallow supplementation and protein withdrawal on ruminal fermentation, microbial synthesis and site of digestion. Boggs DL, et al. **J Anim Sci** 1987 Mar; 64(3):907-14

Effects of slaframine on ruminant digestive function: liquid turnover rate and fermentation patterns in sheep and cattle. Froetschel MA, et al. **J Anim Sci** 1987 Apr;64(4):1241-8

Effects of slaframine on ruminant digestive function: ruminal motility in sheep and cattle. Froetschel MA, et al. **J Anim Sci** 1986 Nov;63(5):1502-8

Influence of decoquinate on ruminal fermentation, diet digestibility and cattle performance. Harmon DL, et al. **J Anim Sci** 1987 Apr;64(4):1227-34

Effect of sodium bicarbonate and sodium bentonite on digestion, solid and liquid flow, and ruminal fermentation characteristics of forage sorghum silage-based diets fed to steers. Jacques KA, et al. **J Anim Sci** 1986 Sep;63(3):923-32

Effects of feeding or infusing ammonium salts of volatile fatty acids on ruminal fermentation, plasma characteristics, and milk production of cows. Klusmeyer TH, et al. **J Dairy Sci** 1987 Jan;70(1):50-63

Rumen liquid dilution rate in dairy cows fed once daily: effects of diet and sodium bicarbonate supplementation. Stokes MR, et al. **J Dairy Sci** 1985 May;68(5):1171-80

Effects of potassium carbonate and sodium bicarbonate on rumen function in lactating Holstein cows. West JW, et al. **J Dairy Sci** 1987 Jan;70(1):81-90

Effect of orally administered pilocarpine on ruminal characteristics and nutrient digestibility in cattle. Wiedmeier RD, et al. **J Dairy Sci** 1987 Feb;70(2):284-9

Effect of mineral salts, carbachol, and pilocarpine on nutrient digestibility and ruminal characteristics in cattle. Wiedmeier RD, et al. **J Dairy Sci** 1987 Mar;70(3):592-600

Depression of reticulo-ruminal motor functions through the stimulation of alpha 2-adrenoceptors. Ruckebusch Y, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):1-10

[In vitro study of ionophore antibiotics and various derivatives. I. Action on fermentation products in the

rumen] Caffarel-Mendez S, et al. **Reprod Nutr Dev** 1986; 26(6):1295-303 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Urease activity of adherent bacteria and rumen fluid bacteria. Javorský P, et al. **Physiol Bohemoslov** 1987;36(1):75-81

METABOLISM

Effect of the pH value when treating concentrate protein with formaldehyde on protein protection in the rumen. Schönhusen U, et al. **Arch Tierernahr** 1986 Aug;36(8):741-7

Influence of rumen ammonia concentration on the rumen degradation rates of barley and maize. Odle J, et al. **Br J Nutr** 1987 Jan;57(1):127-38

Identification of thiomolybdates in digesta and plasma from sheep after administration of 99Mo-labelled compounds into the rumen. Price J, et al. **Br J Nutr** 1987 Jul; 58(1):127-38

Microbial protein and peptide metabolism in rumen fluid from faunated and ciliate-free sheep. Wallace RJ, et al. **Br J Nutr** 1987 Jul;58(1):87-93

Studies on the absorption of sodium and chloride from the rumen of sheep. Martens H, et al. **Comp Biochem Physiol [A]** 1987;86(4):653-6

Influence of dietary energy intake and substrate addition on the in vitro metabolism of glucose and glutamine in rumen epithelial tissue. Harmon DL. **Comp Biochem Physiol [B]** 1986;85(3):643-7

Effect of wheat and high-moisture sorghum grain fed singly and in combination on ruminal fermentation, solid and liquid flow, site and extent of digestion and feeding performance of cattle. Axe DE, et al. **J Anim Sci** 1987 Mar;64(3):897-906

Effects of ammoniation of tall fescue on phenolic composition, feed intake, site and extent of nutrient digestion and ruminal dilution rates of steers. Chestnut AB, et al. **J Anim Sci** 1987 Mar;64(3):842-54

Simultaneous measures of rates of ruminal digestion and passage of feeds for prediction of ruminal nitrogen and dry matter digestion in lactating dairy cows. Erdman RA, et al. **J Anim Sci** 1987 Feb;64(2):565-77

Influence of supplemental nitrogen source on digestion of nitrogen, dry matter and organic matter and on in vivo rate of ruminal protein degradation. Garrett JE, et al. **J Anim Sci** 1987 Jun;64(6):1801-12

Evaluation of rare-earth markers using an in vitro ruminal fermentation system and effect of processing method on ruminal turnover of sized corn particles. Turnbull GW, et al. **J Anim Sci** 1987 Jun;64(6):1835-41

Characterization of xenobiotic biotransformation in hepatic, renal and gut tissues of cattle and sheep. Watkins JB 3d, et al. **J Anim Sci** 1987 Jul;65(1):186-95

Influence of dietary protein degradability and energy concentration on growth of heifers and steers and intraruminal protein metabolism. Amos HE. **J Dairy Sci** 1986 Aug;69(8):2099-110

Ruminal metabolic development in calves weaned conventionally or early. Anderson KL, et al. **J Dairy Sci** 1987 May;70(5):1000-5

Ruminal degradation of dried brewers grains, wet brewers grains, and soybean meal. Armentano LE, et al. **J Dairy Sci** 1986 Aug;69(8):2124-33

A procedure for measuring peptides in rumen fluid and evidence that peptide uptake can be a rate-limiting step in ruminal protein degradation. Chen G, et al. **J Dairy Sci** 1987 Jun;70(6):1211-9

Effects of ruminal exposure on the amino acid profile of heated and formaldehyde-treated soybean meal. Crooker BA, et al. **J Dairy Sci** 1986 Oct;69(10):2648-57

In vitro fermentation of sugars, grains, and by-product feeds in relation to initiation of ruminal lactate production. Cullen AJ, et al. **J Dairy Sci** 1986 Oct;69(10):2616-21

Effects of feed intake and protein degradability on ruminal characteristics and site of digestion in steers. Firkins JL, et al. **J Dairy Sci** 1986 Aug;69(8):2111-23

Effect of inoculum preparation and dietary energy on microbial numbers and rumen protein degradation activity. Furchtenicht JE, et al. **J Dairy Sci** 1987 Jul;70(7):1404-10

Chemical factors involved in ruminal fiber digestion. Hoover WH. **J Dairy Sci** 1986 Oct;69(10):2755-66 (140 ref.)

Effects of variation of dietary sulfur on movement of sulfur in sheep rumen. Kandylis K, et al. **J Dairy Sci** 1987 Jan; 70(1):40-9

Rumen turnover and digestion of normal and brown midrib sorghum x sudangrass hybrid silages in diary cattle. Wedig CL, et al. **J Dairy Sci** 1987 Jun;70(6):1220-7

Physical parameters of fiber affecting passage from the rumen. Welch JG. **J Dairy Sci** 1986 Oct;69(10):2750-4

The effect of potassium and the transmural potential difference on magnesium transport across an isolated preparation of sheep rumen epithelium. Martens H, et al. **Q J Exp Physiol** 1987 Apr;72(2):181-8

Effect of intraruminal sodium and potassium concentrations and of the transmural potential difference on magnesium absorption from the temporarily isolated rumen of sheep. Martens H, et al. **Q J Exp Physiol** 1986 Jul;71(3):409-15

Effect of mode of anthelmintic treatment on rumen short-chain fatty acid concentrations in sheep. Hodgson JC, et al. **Vet Rec** 1987 Jun 6;120(23):553-4

Effect of fasting on digestion of white clover leaflets by rumen microorganisms and possible implications in cattle bloat. Fay JP, et al. **Zentralbl Veterinarmed [A]** 1986 Dec; 33(10):781-7

Inhibition of chloride absorption from the sheep rumen by nitrate. Würmli R, et al. **Zentralbl Veterinarmed [A]** 1987 Jun;34(6):476-9

[Water and electrolyte metabolism in the isolated rumen of sheep after carbonic anhydrase inhibition] Kochanov NE, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1425-8 (Eng. Abstr.) **(Rus)**

[The effect of monensin on rumen fermentation and weight gain in bulls fed a diet containing nontraditional feed] Baran M, et al. **Vet Med (Praha)** 1987 Jun;32(6):331-6 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Effect of phenolic monomers on ruminal bacteria. Borneman WS, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1331-9

Growth and fermentation of an anaerobic rumen fungus on various carbon sources and effect of temperature on development. Lowe SE, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1210-5

Phosphoenolpyruvate-dependent phosphorylation of hexoses by ruminal bacteria: evidence for the phosphotransferase transport system. Martin SA, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1348-52

Effect of phenolic acids and phenolics from plant cell walls on rumenlike fermentation in consecutive batch culture. Theodorou MK, et al. **Appl Environ Microbiol** 1987 May; 53(5):1046-50

Quin's oval and other microbiota in the rumens of molasses-fed sheep. Vicini JL, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1273-6

Protein degradation by ruminal microorganisms from sheep fed dietary supplements of urea, casein, or albumin. Wallace RJ, et al. **Appl Environ Microbiol** 1987 Apr;53(4):751-3

T-2 toxin metabolism by ruminal bacteria and its effect on their growth. Westlake K, et al. **Appl Environ Microbiol** 1987 Mar;53(3):587-92

Dynamics of enzymatic activity development in the adherent rumen microflora. Kmet V, et al. **Arch Tierernahr** 1986 Jul;36(7):621-8

Effect of different levels of phosphorus on rumen microbial fermentation and synthesis determined using a continuous culture technique. Komisarczuk S, et al. **Br J Nutr** 1987 Mar;57(2):279-90

The role of rumen protozoa in the utilization of paspalum (Paspalum dilatatum) hay by cattle. Punia BS, et al. **Br J Nutr** 1987 May;57(3):395-406

Use of particle-bound microbial enzyme activity to predict the rate and extent of fibre degradation in the rumen. Silva AT, et al. **Br J Nutr** 1987 May;57(3):407-15

Polysaccharide-degrading enzymes formed by three species of anaerobic rumen fungi grown on a range of carbohydrate substrates. Williams AG, et al. **Can J Microbiol** 1987 May; 33(5):418-26

Glycoside hydrolase enzymes present in the zoospore and vegetative growth stages of the rumen fungi Neocallimastix patriciarum, Piromonas communis, and an unidentified isolate, grown on a range of carbohydrates. Williams AG, et al. **Can J Microbiol** 1987 May;33(5):427-34

Isolation of Clostridium perfringens from neonatal calves with ruminal and abomasal tympany, abomasitis, and abomasal ulceration. Roeder BL, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1550-5

Ruminal microbial development in conventionally or early-weaned calves. Anderson KL, et al. **J Anim Sci** 1987 Apr;64(4):1215-26

Relative contributions of ruminal bacteria and protozoa to the degradation of protein in vitro. Hino T, et al. **J Anim Sci** 1987 Jan;64(1):261-70

Effect of fats and fatty acid combinations on ruminal fermentation in semi-continuous in vitro cultures. Jenkins TC. **J Anim Sci** 1987 May;64(5):1526-32

Comparison of various amino acids for estimation of microbial nitrogen in digesta. Rahnema SH, et al. **J Anim Sci** 1986 Aug;63(2):603-12

Changes in ruminal concentrations of microbial ammonia and amino acids due to monensin and time. Rodriguez SL, et al. **J Anim Sci** 1986 Dec;63(6):1990-5

A proposed mechanism of monensin action in inhibiting ruminal bacterial growth: effects on ion flux and protonmotive force. Russell JB. **J Anim Sci** 1987 May; 64(5):1519-25

Sulfur influences on rumen microorganisms in vitro and in sheep and calves. Slyter LL, et al. **J Anim Sci** 1986 Dec; 63(6):1949-59

B-vitamin supplementation of diets for feedlot calves. Zinn RA, et al. **J Anim Sci** 1987 Jul;65(1):267-77

Metabolism of three trichothecene mycotoxins, T-2 toxin, diacetoxyscirpenol and deoxynivalenol, by bovine rumen microorganisms. Swanson SP, et al. **J Chromatogr** 1987 Mar 6;414(2):335-42

Alteration of fermentation in continuous culture of mixed rumen bacteria by isolated alfalfa saponins. Lu CD, et al. **J Dairy Sci** 1987 Apr;70(4):799-805

Concentration of ammonia across cell membranes of mixed rumen bacteria. Russell JB, et al. **J Dairy Sci** 1987 May; 70(5):970-6

Protein and fiber digestion, passage, and utilization in lactating cows. Microbial growth and flow as influenced by dietary manipulations. Sniffen CJ, et al. **J Dairy Sci** 1987 Feb;70(2):425-41 (99 ref.)

Effect of pH and energy spilling on bacterial protein synthesis by carbohydrate-limited cultures of mixed rumen bacteria. Strobel HJ, et al. **J Dairy Sci** 1986 Nov;69(11):2941-7

Adherence of Fusobacterium necrophorum to bovine ruminal cells. Kanoe M, et al. **J Med Microbiol** 1987 Feb; 23(1):69-73

Quantitation of microorganisms associated with the particulate phase of ruminal ingesta. Craig WM, et al. **J Nutr** 1987 Jan;117(1):56-62

Factors influencing production of 5(E)-19-nor-10-keto-vitamin D3 by rumen bacteria. Gardner RM, et al. **J Steroid Biochem** 1987 Aug; 28(2):189-92

Isolation of vitamin D3 metabolites from Solanum malacoxylon leaf extracts incubated with ruminal fluid. Boland RL, et al. **Planta Med** 1987 Apr;53(2):161-4

Studies on glutamate dehydrogenase from rumen bacteria of buffalo (Bubalus bubalis) and cow. Saini R, et al. **Zentralbl Veterinarmed [A]** 1987 Mar;34(3):227-33

PARASITOLOGY

Microcetus lappus gen. nov., sp. nov.: new species of ciliated protozoon from the bovine rumen. Orpin CG, et al. **Appl Environ Microbiol** 1986 Sep;52(3):527-30

Effect of defaunation and refaunation of the rumen on rumen fermentation and N-flow in the duodenum of sheep. Kayouli C, et al. **Arch Tierernahr** 1986 Sep;36(9):827-37

The role of ciliate protozoa in nutrition of the ruminant. Veira DM. **J Anim Sci** 1986 Nov;63(5):1547-60 (113 ref.)

The fine structure of the paralabial organelle in the rumen ciliate Ophryoscolex purkinjei Stein, 1858. Schrenk HG, et al. **J Protozool** 1987 Feb;34(1):97-104

Effect of lasalocid, monensin and thiopeptin on rumen protozoa. Dennis SM, et al. **Res Vet Sci** 1986 Sep; 41(2):251-6

[Methodology and application of defaunation in the growing ruminant] Kreuzer M. **Zentralbl Veterinarmed [A]** 1986 Dec;33(10):721-45 (125 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The primary-secondary rumen contraction and gas expulsion in sheep (Ovis aries). Peruzzo de Naville LE, et al. **Comp Biochem Physiol [A]** 1987;87(4):993-1002

A radio telemetering capsule and demodulator for recording rumen motility. Riley JL. **Cornell Vet** 1986 Oct; 76(4):348-53

Trona and sodium bicarbonate in beef cattle diets: effects on pH and volatile fatty acid concentrations. Boerner BJ, et al. **J Anim Sci** 1987 Jul;65(1):309-16

Interrelationships among voluntary intake, eating and ruminating behavior and ruminal motility of heifers fed corn silage. Deswysen AG, et al. **J Anim Sci** 1987 Mar; 64(3):835-41

Effects of monensin on voluntary intake, eating and ruminating behavior and ruminal motility in heifers fed corn silage. Deswysen AG, et al. **J Anim Sci** 1987 Mar; 64(3):827-34

Ruminal changes in monensin- and lasalocid-fed cattle grazing bloat-provocative alfalfa pasture. Katz MP, et al. **J Anim Sci** 1986 Oct;63(4):1246-57

Nitrogen balance and amino acid disappearance from the small intestine in calves fed soybean meal-, toasted soybean meal- or corn gluten meal-supplemented diets. Koeln LL, et al. **J Anim Sci** 1986 Oct;63(4):1258-66

Predicting intake and digestibility using mathematical models of ruminal function. Mertens DR. **J Anim Sci** 1987 May; 64(5):1548-58

Concentration and estimated flow of peptides from the rumen of dairy cattle: effects of protein quantity, protein solubility, and feeding frequency. Chen G, et al. **J Dairy Sci** 1987 May;70(5):983-92

Mobile nylon bag for estimating intestinal availability of rumen undegradable protein. de Boer G, et al. **J Dairy Sci** 1987 May;70(5):977-82

Effect of rumen ammonia concentration on in situ rate and extent of digestion of feedstuffs. Erdman RA, et al. **J Dairy Sci** 1986 Sep;69(9):2312-20

Effects of age, milk replacer composition, and rumen function on lipogenesis in adipose tissue of young calves. Wijayasinghe MS, et al. **J Dairy Sci** 1986 Sep;69(9):2358-69

Inhibition of reticulo-ruminal motility by volatile fatty acids and lactic acid in sheep. Gregory PC. **J Physiol (Lond)** 1987 Jan;382:355-71

Rumen function with special reference to fibre digestion. Stewart CS. **Soc Appl Bacteriol Symp Ser** 1986;13:263-86 (128 ref.)

Forestomach fluid volume and retention of fluid and particles in the gastrointestinal tract of the camel (Camelus dromedarius). Heller R, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):396-9

[2d seminar on the nutrition and feeding of herbivores. Paris, 19 20 March 1986] **Reprod Nutr Dev** 1987;27(1B):109-334 **(Fre)**

[Control of ingestive behavior and rumination by neuropeptides] Buéno L, et al. **Reprod Nutr Dev** 1987; 27(1B):157-69 (36 ref.) (Eng. Abstr.) **(Fre)**

RUMINANTIA see **RUMINANTS**

RUMINANTS

Current ideas on the pathophysiology and treatment of lantana poisoning of ruminants. Pass MA. **Aust Vet J** 1986 Jun;63(6):169–71 (30 ref.)

Cardiomyopathy and vitamin E deficiency in zoo animals and birds. Liu SK, et al. **Heart Vessels** 1985;Suppl 1:288–93

Anthelmintics for ruminants. Bogan J, et al. **Int J Parasitol** 1987 Feb;17(2):483–91 (31 ref.)

Experimental infections of Anaplasma ovis in pronghorn antelope. Zaugg JL. **J Wildl Dis** 1987 Apr;23(2):205–10

Anesthesia. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):507–778

Behavior of sick animals. Hart BL. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):383–91 (35 ref.)

Preanesthetic medications in ruminants and swine. Short CE. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):553–66 (29 ref.)

Techniques of local analgesia in ruminants and swine. Skarda RT. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):621–63 (91 ref.)

Capture techniques in feral ruminants. Spraker TR. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):693–710 (11 ref.)

Injectable anesthetic agents and techniques in ruminants and swine. Thurmon JC. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):567–91 (55 ref.)

Techniques of inhalation anesthesia in ruminants and swine. Tranquilli WJ. **Vet Clin North Am [Food Anim Pract]** 1986 Nov;2(3):593–619 (46 ref.)

Housing of ruminants. I. Its advantages and its health problem. Parker WH. **Vet Rec** 1968 Aug 31;83(9):208–10

Administration of lincomycin [letter] Schmit B. **Vet Rec** 1986 Sep 6;119(10):256

[Problems of pathology in the chamois and ibex of the Alps] Guarda F, et al. **Schweiz Arch Tierheilkd** 1987 Jun; 129(6):327–31 (12 ref.) (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

The brachial plexus of the Japanese serow (Capricornis crispus). Atoji Y, et al. **Anat Anz** 1987;163(1):25–32

Structural organization of the vertebral artery in the giraffe (Giraffa camelopardalis). Kimani JK. **Anat Rec** 1987 Mar; 217(3):256–62

The follicle-associated epithelium of the ileal Peyer's patch in ruminants is distinguished by its shedding of 50 nm particles. Landsverk T. **Immunol Cell Biol** 1987 Jun;65 (Pt 3):251–61

BLOOD

L-antigen and active potassium transport in HK and LK red cells of Barbary sheep (Ammotragus lervia). Stein JM, et al. **Comp Biochem Physiol [A]** 1987;87(3):711–6

The metabolism of dopamine in the blood of ruminant animals: formation of 3,4-dihydroxyphenylacetaldehyde. Sharman DF. **Comp Biochem Physiol [C]** 1987;86(1):151–5

GENETICS

Transgenic livestock. Simons JP, et al. **J Reprod Fertil [Suppl]** 1987;34:237–50 (49 ref.)

[Meiosis in cattle, sheep, goats and swine in late prophase and metaphase] Lange R, et al. **Zentralbl Veterinarmed [A]** 1987 Feb;34(2):81–9 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Applications of hormones in the metabolic regulation of growth and lactation in ruminants. Tucker HA, et al. **Fed Proc** 1987 Feb;46(2):300–6

IMMUNOLOGY

Detection of influenza antibody in animal sera from Kassala region, Sudan, by agar gel diffusion test. Caffar Elamin MA, et al. **Rev Elev Med Vet Pays Trop** 1985;38(2):127–9

Preliminary survey for antibodies to bluetongue virus in Indonesian ruminants. Sendow I, et al. **Vet Rec** 1986 Dec 13;119(24):603

METABOLISM

Distribution of deoxyribonucleic acid in the testes of buffaloes, goats and rams. Bilaspuri GS, et al. **Acta Vet Hung** 1986;34(1–2):121–8

Tissue specific deficiency of lysozyme in ruminants. Prieur DJ. **Comp Biochem Physiol [B]** 1986;85(2):349–53

Starch digestion and utilization in ruminants. Orskov ER. **J Anim Sci** 1986 Nov;63(5):1624–33

Limits to starch digestion in the ruminant small intestine. Owens FN, et al. **J Anim Sci** 1986 Nov;63(5):1634–48 (94 ref.)

Grain processing effects on starch utilization by ruminants. Theurer CB. **J Anim Sci** 1986 Nov;63(5):1649–62 (51 ref.)

The presence of trans unsaturated fatty acids in ruminant meat and milk is unnatural. Booyens J. **Med Hypotheses** 1986 Nov;21(3):249–52

Alkaline hydrogen peroxide unlocks energy in high-fiber lignified by-products. **Nutr Rev** 1986 Jul;44(7):251–2 (5 ref.)

Disposition of anesthetic and anesthetic-related agents in ruminants. Jenkins WL. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):527–52 (62 ref.)

Systemic availability and pharmacokinetics of some drugs in ruminant animals. Baggot JD. **Vet Hum Toxicol** 1987; 29 Suppl 1:84–8 (13 ref.)

[Endocrine regulation of phosphorus and calcium metabolism during pregnancy in domestic ruminants] Barlet JP. **J Physiol (Paris)** 1986;81(2):110–7 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

[Determination of the inhibitory effect of a biologically active preparation on the reproduction of micro-organisms from the intestines of ruminants] Novák S, et al. **Vet Med (Praha)** 1987 Jun;32(6):337–42 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Population regulation in trichostrongylids of ruminants. Barger IA. **Int J Parasitol** 1987 Feb;17(2):531–40 (52 ref.)

Production losses and control of helminths in ruminants of tropical regions. Fabiyi JP. **Int J Parasitol** 1987 Feb; 17(2):435–42 (53 ref.)

Pathophysiology of nematode infections. Holmes PH. **Int J Parasitol** 1987 Feb;17(2):443–51 (73 ref.)

Production losses and control of helminths in ruminants of temperate regions. Nansen P. **Int J Parasitol** 1987 Feb; 17(2):425–33 (62 ref.)

Tick infestations on livestock in the Yemen Arab Republic and their potential as vectors of livestock diseases. McCartan BM, et al. **Trop Anim Health Prod** 1987 Feb; 19(1):21–31

[Methodology and application of defaunation in the growing ruminant] Kreuzer M. **Zentralbl Veterinarmed [A]** 1986 Dec;33(10):721–45 (125 ref.) (Eng. Abstr.) **(Ger)**

[Blood parasites of wild ruminants of Austria] Hinaidy HK. **Zentralbl Veterinarmed [B]** 1987 Mar;34(2):81–97 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

New techniques for studying digestion and absorption of nutrients by ruminants. Owens FN. **Fed Proc** 1987 Feb; 46(2):283–9

Predicting intake and digestibility using mathematical models of ruminal function. Mertens DR. **J Anim Sci** 1987 May; 64(5):1548–58

Physiology of the somatotropic axis with particular reference to the ruminant. Gluckman PD, et al. **J Dairy Sci** 1987 Feb;70(2):442–66 (239 ref.)

Reproduction in domestic ruminants. Proceedings of the second international symposium. Ithaca, New York, U.S.A., 8–11 July 1987. **J Reprod Fertil [Suppl]** 1987; 34:1–291

In-vitro fertilization of ruminants. First NL, et al. **J Reprod Fertil [Suppl]** 1987;34:151–65 (118 ref.)

Detection of early pregnancy in domestic ruminants. Sasser RG, et al. **J Reprod Fertil [Suppl]** 1987;34:261–71 (76 ref.)

The redox potential, rH and pH values in the gastrointestinal tract of small ruminants. Marounek M, et al. **Physiol Bohemoslov** 1987;36(1):71–4

Pulmonary haemodynamics of the yak, cattle, and cross breeds at high altitude. Anand IS, et al. **Thorax** 1986 Sep; 41(9):696–700

Some characteristics of ruminants and swine that complicate management of general anesthesia. Steffey EP. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):507–16 (30 ref.)

[2d seminar on the nutrition and feeding of herbivores. Paris, 19 20 March 1986] **Reprod Nutr Dev** 1987;27(1B):109–334 **(Fre)**

SURGERY

Anesthetic management of ruminants and swine with selected pathophysiologic alterations. Benson GJ. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):677–91 (40 ref.)

Management of intraoperative and postoperative anesthetic complications in ruminants and swine. Riebold TW. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):665–76 (22 ref.)

RUNAWAY REACTION

Comparison of rates of recidivism among status offenders and delinquents. Benda BB. **Adolescence** 1987 Summer; 22(86):445–58

Histories of sexual abuse in adolescent male runaways. Janus MD, et al. **Adolescence** 1987 Summer;22(86):405–17

A large-scale comparison of perspectives on parenting between teenage runaways and nonrunaways. Loeb RC, et al. **Adolescence** 1986 Winter;21(84):921–30

The "process" of running away: a redefinition.Palenski JE, et al. **Adolescence** 1987 Summer;22(86):347–62

Pathways and cycles of runaways: a model for understanding repetitive runaway behavior. Hartman CR, et al. **Hosp Community Psychiatry** 1987 Mar;38(3):292–9

Irrational beliefs as predictors of adolescent drug abuse and running away. Denoff MS. **J Clin Psychol** 1987 May; 43(3):412–23

RUNNING

Serum concentrations of thyrotropin, thyroxine, triiodothyronine and thyroxine binding globulin in female endurance runners and joggers. Hohtari H, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):41–6

Heat stroke in endurance exercise. Aarseth HP, et al. **Acta Med Scand** 1986;220(3):279–83

Sprinters and marathon runners. Does isokinetic knee extensor performance reflect muscle size and structure? Johansson C, et al. **Acta Physiol Scand** 1987 Aug; 130(4):663–9

Endurance, what is it? Muscle morphology after an extremely long distance run. Sjöström M, et al. **Acta Physiol Scand** 1987 Jul;130(3):513–20

Application of knowledge of metabolic integration to the problem of metabolic limitations in middle distance and marathon running. Newsholme EA. **Acta Physiol Scand [Suppl]** 1986;556:93–7

High degree atrioventricular block in a marathoner with 5-year follow-up. DiNardo-Ekery D, et al. **Am Heart J** 1987 Mar;113(3):834–7

Left ventricular dimensions and mechanics in distance runners. Mickelson JK, et al. **Am Heart J** 1986 Dec; 112(6):1251–6

Echocardiographic assessment of left ventricular performance before and after marathon running. Perrault H, et al. **Am Heart J** 1986 Nov;112(5):1026–31

Nutritional survey of highly trained women runners. Deuster PA, et al. **Am J Clin Nutr** 1986 Dec;44(6):954–62

Serum testosterone response to training in adolescent runners. Rowland TW, et al. **Am J Dis Child** 1987 Aug;141(8):881–3

Aging, long-distance running, and the development of musculoskeletal disability. A controlled study. Lane NE, et al. **Am J Med** 1987 Apr;82(4):772–80

Exercise-induced changes in the blood concentration of leukocyte populations in teenage athletes. Christensen RD, et al. **Am J Pediatr Hematol Oncol** 1987 Summer;9(2):140–2

Athletic amenorrhea, major affective disorders, and eating disorders. Gadpaille WJ, et al. **Am J Psychiatry** 1987 Jul; 144(7):939–42

Jogging and Tourette's disorder [letter] Jacome DE. **Am J Psychiatry** 1987 Aug;144(8):1100–1

The practical biomechanics of running. Adelaar RS. **Am J Sports Med** 1986 Nov–Dec;14(6):497–500

Symptomatic dorsal defect of the patella in a runner. Gamble JG. **Am J Sports Med** 1986 Sep–Oct;14(5):425–7

Medical and physiological considerations in triathlons. Hiller WD, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):164–7

Conditions of the talus in the runner. Hontas MJ, et al. **Am J Sports Med** 1986 Nov–Dec;14(6):486–90

Bunionectomies and related surgery in the elite female middle-distance and marathon runner. Lillich JS, et al. **Am J Sports Med** 1986 Nov–Dec;14(6):491–3

Injuries in runners. Lysholm J, et al. **Am J Sports Med** 1987 Mar–Apr;15(2):168–71

Comparative electromyography of the lower extremity in jogging, running, and sprinting. Mann RA, et al. **Am J Sports Med** 1986 Nov–Dec;14(6):501–10

Entrapment of the common peroneal nerve. Møller BN, et al. **Am J Sports Med** 1987 Jan–Feb;15(1):90–1

Delirium and pulmonary edema after completing a marathon. Young M, et al. **Am Rev Respir Dis** 1987 Sep;136(3):737–9

Anthropometric and training variables related to 10km running performance. Bale P, et al. **Br J Sports Med** 1986 Dec;20(4):170–3

Maximal respiratory pressures and pulmonary function in male runners. Cordain L, et al. **Br J Sports Med** 1987 Jun; 21(2):18–22

Haematological changes due to triathlon competition. Davidson RJ, et al. **Br J Sports Med** 1986 Dec;20(4):159–61

Marathon performance in relation to maximal aerobic power and training indices in female distance runners. Hagan RD, et al. **Br J Sports Med** 1987 Mar;21(1):3–7

Insulin-dependent diabetes mellitus and marathon running [letter] Hartvig Jensen T, et al. **Br J Sports Med** 1987 Mar; 21(1):51–2

Spinal loading during circuit weight-training and running. Leatt P, et al. **Br J Sports Med** 1986 Sep;20(3):119–24

Injuries in orienteering. Linde F. **Br J Sports Med** 1986 Sep; 20(3):125–7

The effects of maximum steady state pace training on running performance. Priest JW, et al. **Br J Sports Med** 1987 Mar; 21(1):18–21

Determinants of five kilometre running performance in active men and women. Ramsbottom R, et al. **Br J Sports Med** 1987 Jun;21(2):9–13

Acute rhabdomyolysis in a marathon runner [letter] Reid WA, et al. **Br J Sports Med** 1987 Mar;21(1):49

Haematuria after strenuous exercise. O'Brien CJ, et al. **Br J Urol** 1987 May;59(5):478

Haematuria following a marathon run: source and significance. Reid RI, et al. **Br J Urol** 1987 Feb;59(2):133–6

Neuropathy of the feet due to running on cold surfaces. Reichl M. **Br Med J** 1987 Feb 7;294(6568):348–9

Fitness, unfitness, and phosphate. Dale G, et al. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):939

A study of carbohydrate loading techniques used by marathon runners. Burke LM, et al. **Can J Sport Sci** 1987 Mar;12(1):6–10

Non-surgical management of overuse knee injuries in runners. Taunton JE, et al. **Can J Sport Sci** 1987 Mar;

12(1):11–8
Severe coronary artery disease in a marathon runner. Angeli SJ, et al. **Chest** 1987 Feb;91(2):271–2
Changes in serum enzymes, lactate, and haptoglobin following acute physical stress in international-class athletes. Wolf PL, et al. **Clin Biochem** 1987 Apr;20(2):73–7
Pelvic stress fracture in female runners. Thorne DA, et al. **Clin Nucl Med** 1986 Dec;11(12):828–9
The biomechanics of running on different surfaces. Feehery RV Jr. **Clin Podiatr Med Surg** 1986 Oct;3(4):649–59
Running: examination, diagnosis, and treatment. Pagliano J. **Clin Podiatr Med Surg** 1986 Oct;3(4):661–70
The effect of iron and folate therapy on maximal exercise performance in female marathon runners with iron and folate deficiency. Matter M, et al. **Clin Sci** 1987 Apr; 72(4):415–22
Running injuries. Prevention and management. Brody DM. **Clin Symp** 1987;39(3):1–36
Gastrointestinal bleeding in competitive runners. Fisher RL, et al. **Dig Dis Sci** 1986 Nov;31(11):1226–8
Gastrointestinal blood loss associated with running a marathon. McCabe ME 3d, et al. **Dig Dis Sci** 1986 Nov; 31(11):1229–32
Changes in oxygen consumption associated with treadmill walking and running with light hand-carried weights. Francis K, et al. **Ergonomics** 1986 Aug;29(8):999–1004
Skeletal muscle creatine kinase MB alterations in women marathon runners. Apple FS, et al. **Eur J Appl Physiol** 1987;56(1):49–52
Marathon fatigue: the role of plasma fatty acids, muscle glycogen and blood glucose. Callow M, et al. **Eur J Appl Physiol** 1986;55(6):654–61
Changes in adrenal and testicular activity monitored by salivary sampling in males throughout marathon runs. Cook NJ, et al. **Eur J Appl Physiol** 1986;55(6):634–8
Effects of pre-exercise carbohydrate feedings on muscle glycogen use during exercise in well-trained runners. Fielding RA, et al. **Eur J Appl Physiol** 1987;56(2):225–9
Alterations in plasma-volume-corrected blood components of marathon runners and concomitant relationship to performance. Kraemer RR, et al. **Eur J Appl Physiol** 1986; 55(6):579–84
Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running. Marcinik EJ, et al. **Eur J Appl Physiol** 1987;56(2):132–7
Force-, EMG-, and elasticity-velocity relationships at submaximal, maximal and supramaximal running speeds in sprinters. Mero A, et al. **Eur J Appl Physiol** 1986; 55(5):553–61
Blood platelet activation and increase in thrombin activity following a marathon race. Röcker L, et al. **Eur J Appl Physiol** 1986;55(4):374–80
The response of runners to arduous triathlon competition. Rogers G, et al. **Eur J Appl Physiol** 1986;55(4):405–9
The acute effect of marathon running on plasma lipoproteins in female subjects. Skinner ER, et al. **Eur J Appl Physiol** 1987;56(4):451–6
Predicting running velocity at blood lactate threshold from running performance tests in adolescent boys. Tanaka H. **Eur J Appl Physiol** 1986;55(4):344–8
Effects of moderate external loading on the aerobic demand of submaximal running in men and 10 year-old boys. Thorstensson A. **Eur J Appl Physiol** 1986;55(6):569–74
Validation of two running tests as estimates of maximal aerobic power in children. van Mechelen W, et al. **Eur J Appl Physiol** 1986;55(5):503–6
The role of non-steroidal anti-inflammatory drugs in sports injuries. D'Ambrosia R. **Eur J Rheumatol Inflamm** 1987; 9(1):54–9
Age by distance effects in running and swimming records: a note on methodology. Stones MJ, et al. **Exp Aging Res** 1986 Winter;12(4):203–6
Nutritional intakes and status of highly trained amenorrheic and eumenorrheic women runners. Deuster PA, et al. **Fertil Steril** 1986 Oct;46(4):636–43
Time-related changes in the plasma concentrations of prolactin, gonadotropins, sex hormone-binding globulin, and certain steroid hormones in female runners after a long-distance race. Mathur RS, et al. **Fertil Steril** 1986 Dec;46(6):1067–70
The biomechanics of lower extremity action in distance running. Cavanagh PR. **Foot Ankle** 1987 Feb;7(4):197–217
Common forefoot problems in runners. Lillich JS, et al. **Foot Ankle** 1986 Dec;7(3):145–51
Erosive gastritis and gastrointestinal bleeding in a female runner. Prevention of the bleeding and healing of the gastritis with H2-receptor antagonists. Cooper BT, et al. **Gastroenterology** 1987 Jun;92(6):2019–23
Salivary cortisol for monitoring adrenal activity during marathon runs. Cook NJ, et al. **Horm Res** 1987;25(1):18–23
Unmodified performance in runners following anabolic steroid administration. Ballarin E, et al. **Int J Sports Med** 1986 Dec;7(6):302–6
Hematological changes associated with marathon running. Davidson RJ, et al. **Int J Sports Med** 1987 Feb;8(1):19–25
Determination of endurance capacity and prediction of exercise intensities for training and competition in marathon runners [published erratum appears in Int J Sports Med;1987 Apr;8(2):172] Föhrenbach R, et al. **Int J Sports Med** 1987 Feb;8(1):11–8
Interaction between man and shoe in running: considerations for a more comprehensive measurement approach. Komi PV, et al. **Int J Sports Med** 1987 Jun;8(3):196–202
Neuromuscular and anaerobic performance of sprinters at maximal and supramaximal speed. Mero A, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:55–60
Impaired left ventricular diastolic function in athletes after utterly strenuous prolonged exercise. Niemelä K, et al. **Int J Sports Med** 1987 Apr;8(2):61–5
Effects of sucrose or caffeine ingestion on running performance and biochemical responses to endurance running. Sasaki H, et al. **Int J Sports Med** 1987 Jun; 8(3):203–7
Jogging causes a significant increase in platelet sensitivity to prostacyclin. Sinzinger H, et al. **Int J Sports Med** 1986 Dec;7(6):338–41
Elevated serum ferritin concentrations in master runners after a marathon race. Lampe JW, et al. **Int J Vitam Nutr Res** 1986;56(4):395–8
The treatment of hallux valgus in runners using a modified McBride procedure. Meyer JM, et al. **Int Orthop** 1987; 11(3):197–200
The physiological effects of participating in a triathalon. Malone J, et al. **Ir Med J** 1987 Jun;80(6):177–8
Iron deficiency in adolescent endurance athletes. Rowland TW, et al. **J Adolesc Health Care** 1987 Jul;8(4):322–6
100-Mile Western States Endurance Run: a physiologic stress laboratory [letter] McIntosh HD. **J Am Coll Cardiol** 1987 Jan;9(1):248
Results of the Ohio Runner Sports Medicine Survey. Janis LR. **J Am Podiatr Med Assoc** 1986 Oct;76(10):586–9
Iliac apophysitis [letter] Julsrud MJ. **J Am Podiatr Med Assoc** 1987 Feb;77(2):103
Stress fracture in a young male runner taking corticosteroids. Scaggs CG. **J Am Podiatr Med Assoc** 1986 Oct; 76(10):550–1
The anemic runner. Weiss RF. **J Am Podiatr Med Assoc** 1986 Oct;76(10):584–5
Groucho running. McMahon TA, et al. **J Appl Physiol** 1987 Jun;62(6):2326–37
Intensity and energy cost of weighted walking vs. running for men and women. Miller JF, et al. **J Appl Physiol** 1987 Apr;62(4):1497–501
Resultant lower extremity joint moments in below-knee amputees during running stance. Miller DI. **J Biomech** 1987;20(5):529–41
Ground reaction forces in running: a reexamination. Munro CF, et al. **J Biomech** 1987;20(2):147–55
Comment on 'A mathematical theory of running' and the applications of this theory. van Ingen Schenau GJ, et al. **J Biomech** 1987;20(1):91–5
Overuse syndrome. Ames DL. **J Fla Med Assoc** 1986 Aug; 73(8):607–8
Gastrointestinal bleeding in an adolescent runner. Schoch DR, et al. **J Pediatr** 1987 Aug;111(2):302–4
Determinants of 30 meter sprint time in pubescent males. Berg K, et al. **J Sports Med Phys Fitness** 1986 Sep; 26(3):225–31
Effects of N,N-dimethylglycine on physiological response and performance in trained runners. Bishop PA, et al. **J Sports Med Phys Fitness** 1987 Mar;27(1):53–6
The effect of endurance training on metabolic responses and the prediction of distance running performance. Cisar CJ, et al. **J Sports Med Phys Fitness** 1986 Sep;26(3):234–40
Body composition and body build variables as predictors of middle distance running performance. Housh TJ, et al. **J Sports Med Phys Fitness** 1986 Sep;26(3):258–62
Influence of physiological function and perceptual effort on 1.5 miles performance in college women. Loftin M, et al. **J Sports Med Phys Fitness** 1986 Sep;26(3):214–8
Serum cortisol and testosterone levels in conditioned male distance runners and nonathletes after maximal exercise. Mathur DN, et al. **J Sports Med Phys Fitness** 1986 Sep; 26(3):245–50
Plasma LDH activity and LDH isozymes after 400 m and 3,000 m runs in sprint and long distance runners. Ohkuwa T, et al. **J Sports Med Phys Fitness** 1986 Dec;26(4):362–8
The impact of the sauna bath and the sauna exercise suit on physiological cost during exercise. Ramsey JD, et al. **J Sports Med Phys Fitness** 1987 Mar;27(1):119–27
An empirical investigation of triathlon performance. Zinkgraf SA, et al. **J Sports Med Phys Fitness** 1986 Dec;26(4):350–6
The effect of marathon running on carnitine metabolism and on some aspects of muscle mitochondrial activities and antioxidant mechanisms. Cooper MB, et al. **J Sports Sci** 1986 Autumn;4(2):79–87
A bioengineering analysis of human muscle and joint forces in the lower limbs during running. Harrison RN, et al. **J Sports Sci** 1986 Winter;4(3):201–18
The immediate and delayed effects of marathon running on renal function. Irving RA, et al. **J Urol** 1986 Dec; 136(6):1176–80
The effects of red blood cell infusion on 10-km race time. Brien AJ, et al. **JAMA** 1987 May 22-29;257(20):2761–5
Fatal rhabdomyolysis in marathon runner [letter] Boyd JF. **Lancet** 1987 May 9;1(8541):1089
Fatal rhabdomyolysis in marathon runner [letter] Lonka L, et al. **Lancet** 1987 Apr 11;1(8537):857–8
Joggers grow old [letter] Marti B, et al. **Lancet** 1987 May 23;1(8543):1207
Beta-endorphin and ACTH in plasma: effects of physical and psychological stress. Oltras CM, et al. **Life Sci** 1987 Apr 27;40(17):1683–6
Assessment of nerve damage in the feet of long-distance runners. Dyck PJ, et al. **Mayo Clin Proc** 1987 Jul; 62(7):568–72
Interaction of test protocol and horizontal run training on maximal oxygen uptake. Allen D, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):581–7
Heat acclimatization during summer running in the northeastern United States. Armstrong LE, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):131–6
Thermoregulatory and metabolic responses to jogging prior to and during pregnancy. Clapp JF 3d, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):124–30
An explanation of the upward drift in oxygen uptake during prolonged sub-maximal downhill running. Dick RW, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):310–7
Kinematic analysis of the talocalcaneal/talocrural joint during running support. Engsberg JR, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):275–84
Interaction of test protocol and inclined run training on maximal oxygen uptake. Freund BJ, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):588–92
Physiological responses of triathletes to maximal swimming, cycling, and running. Kohrt WM, et al. **Med Sci Sports Exerc** 1987 Feb;19(1):51–5
The effect of athletic clothing aerodynamics upon running speed. Kyle CR, et al. **Med Sci Sports Exerc** 1986 Oct; 18(5):509–15
Plasma beta-endorphin responses to one-hour bicycling and running at 60% VO2max. Langenfeld ME, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):83–6
Electromyographic activity in sprinting at speeds ranging from sub-maximal to supra-maximal. Mero A, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):266–74
The influence of lateral heel flare of running shoes on pronation and impact forces. Nigg BM, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):294–302
Heart disease in marathon runners: a review. Noakes TD. **Med Sci Sports Exerc** 1987 Jun;19(3):187–94 (46 ref.)
Effects of ingesting carbohydrate beverages during exercise in the heat. Owen MD, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):568–75
Measurements of the anaerobic work capacity in a group of highly trained runners [letter] Poole DC. **Med Sci Sports Exerc** 1986 Dec;18(6):703–5
Running-related injury prevention through barefoot adaptations. Robbins SE, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):148–56
Athletic amenorrhea: lack of association with body fat. Sanborn CF, et al. **Med Sci Sports Exerc** 1987 Jun; 19(3):207–12
Analysis of foot motion during running using a joint co-ordinate system. Soutas-Little RW, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):285–93
Strength and anaerobic responses of elite young female sprint and distance runners. Thorland WG, et al. **Med Sci Sports Exerc** 1987 Feb;19(1):56–61
Predicting plantar fasciitis in runners. Warren BL, et al. **Med Sci Sports Exerc** 1987 Feb;19(1):71–3
Is running an analog of anorexia?: A survey of the incidence of eating disorders in female distance runners. Weight LM, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):213–7
Fluid shifts with successive running and bicycling performance. Wells CL, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):137–42
Jogger's leukocytes [letter] Schaefer RM, et al. **N Engl J Med** 1987 Jan 22;316(4):223–4
The spring in the arch of the human foot. Ker RF, et al. **Nature** 1987 Jan 8–14;325(7000):147–9
Biomechanics. The spring in the human foot [news] McMahon TA. **Nature** 1987 Jan 8–14;325(7000):108–9
Cardiovascular benefits and risks of jogging [letter] Trollan C. **Nurse Pract** 1986 Nov;11(11):10
Some hazards of heavy exercise: jogging and running—is it all good? Nye ER. **NZ Med J** 1986 Nov 12;99(813):847
Digestive tract hazards of marathon runners [letter] Scobie BA. **NZ Med J** 1987 Jan 28;100(816):26
Acute exertional rhabdomyolysis in a runner with elevated serum cardiac isoenzyme (CK-MB). Berardi RS, et al. **Pa Med** 1987 Apr;90(4):44, 46, 48
Running and depression. Rape RN. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1303–10
The effect of forced running on heat production in brown adipose tissue in rats. Shibata H, et al. **Physiol Behav** 1987; 39(3):377–80
Running patterns of transfemoral amputees: a clinical analysis. Mensch G, et al. **Prosthet Orthot Int** 1986 Dec; 10(3):129–34
Comparison of two depression inventories: an examination of construct validity. Frazier SE. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1219–22
A second opinion on Zuni diabetes [letter] Walden HA Jr. **Public Health Rep** 1987 Mar-Apr;102(2):124–5
Marathon running: comparison of physical and psychosocial risks for men and women. Estok PJ, et al. **Res Nurs Health** 1987 Apr;10(2):79–85
Interpretation of changes in DLCO and pulmonary function after running five miles. Miles DS, et al. **Respir Physiol** 1986 Nov;66(2):135–45
Idiopathic edema in the athletic woman. Sutherland IH. **Singapore Med J** 1986 Jun;27(3):253–5
Endurance athletes: physiologic changes and nonorthopedic problems. Chillag SA. **South Med J** 1986 Oct;

79(10):1264–72 (156 ref.)
Chronic shin splints. Classification and management of medial tibial stress syndrome. Detmer DE. **Sports Med** 1986 Nov–Dec;3(6):436–46
Crystalluria in marathon runners. I. Standard marathon—males. Irving RA, et al. **Urol Res** 1986; 14(6):289–94
Increased vertebral bone mineral in response to reduced exercise in amenorrheic runners. Lindberg JS, et al. **West J Med** 1987 Jan;146(1):39–42
[Energy requirements during running on a treadmill and under field conditions] Bunc V, et al. **Cas Lek Cesk** 1986 Nov 7;125(45):1391–4 (Eng. Abstr.) (Cze)
[Medical service and registration of injuries in the 1986 Wonderful Copenhagen Marathon] Darre E, et al. **Ugeskr Laeger** 1987 Mar 16;149(12):811–3 (Eng. Abstr.) (Dan)
[Athletic heart. An echocardiographic comparison of cyclists, long-distance runners and untrained women] Vollmer-Larsen B, et al. **Ugeskr Laeger** 1987 May 25; 149(22):1451–3 (Eng. Abstr.) (Dan)
[Changes in several plasma and urinary components in marathon runners] Boudou P, et al. **Ann Biol Clin (Paris)** 1987;45(1):37–45 (Eng. Abstr.) (Fre)
[Cardiac hypertrophy, dilatation and performance in top athletes] Bertrand E, et al. **Ann Cardiol Angeiol (Paris)** 1987 Feb;36(2):63–8 (Eng. Abstr.) (Fre)
[A severe form of heat stroke in a long-distance runner] Lepape A, et al. **Ann Fr Anesth Reanim** 1986;5(4):441–4 (Eng. Abstr.) (Fre)
[Effect of marathons on neuromuscular excitability; comparison of electromyographic and biochemical findings] Verroust J, et al. **J Physiol (Paris)** 1986; 81(5):384–8 (Eng. Abstr.) (Fre)
[Digestive disorders of marathon runners (letter)] Blettery B, et al. **Presse Med** 1987 Mar 28;16(11):537 (Fre)
[Value of blood ferritin in the biological follow-up of marathon runners (letter)] Dine G, et al. **Presse Med** 1987 Feb 21;16(6):311 (Fre)
[Running for one's health] Kohler E. **Schweiz Z Sportmed** 1986 Dec;34(4):151–4 (Eng. Abstr.) (Fre)
[Popliteal tenosynovitis in athletes apropos of 12 cases] Meier JL. **Schweiz Z Sportmed** 1986 Sep;34(3):109–12 (Eng. Abstr.) (Fre)
[Fatigue fractures in the area of the hip joint in joggers] Kaps HP, et al. **Aktuel Traumatol** 1986 Oct;16(5):203–6 (Eng. Abstr.) (Ger)
[Goal setting and reality in jogging. Demonstration using examples based on a regional jogging meet] Achenbach U, et al. **Fortschr Med** 1986 Nov 20;104(43):827–30 (Eng. Abstr.) (Ger)
[Skin problems in joggers] Itin P, et al. **Schweiz Med Wochenschr** 1986 Aug 30;116(35):1189–94 (Eng. Abstr.) (Ger)
[Mesenterial anemia as a cause of jogging anemia?] Kehl O, et al. **Schweiz Med Wochenschr** 1986 Jul 19;116(29):974–6 (Eng. Abstr.) (Ger)
[Hemorrhagic colitis, gastritis, hematuria and rhabdomyolysis in a jogger: a global ischemia syndrome?] Heer M, et al. **Schweiz Rundsch Med Prax** 1986 Dec 9;75(50):1538–40 (Eng. Abstr.) (Ger)
[Amount of training and endurance of 4358 participants in a 16-km running competition. The '84 Berne running study] Marti B. **Schweiz Z Sportmed** 1986 Dec;34(4):141–9 (Eng. Abstr.) (Ger)
[Performance control by athletes] Probst H. **Schweiz Z Sportmed** 1986 Jun;34(2):97–9 (Eng. Abstr.) (Ger)
[Performance factors in the 400 m run] Schürch PM, et al. **Schweiz Z Sportmed** 1986 Jun;34(2):93–5 (Eng. Abstr.) (Ger)
[Significance and value of lactate levels in runners during treadmill tests] Winter R. **Schweiz Z Sportmed** 1986 Dec; 34(4):155–9 (Eng. Abstr.) (Ger)
[Jogging is accompanied by low absenteeism (the Berne runner study '84)] Marti B. **Soz Praventivmed** 1986; 31(6):313–8 (Eng. Abstr.) (Ger)
[The running shoe—a means of preventing running complaints] Nigg BM, et al. **Z Orthop** 1986 Nov–Dec; 124(6):765–71 (Eng. Abstr.) (Ger)
[Changes in the cartilage of the rat knee joint caused by running stress—a contribution to arthrosis research] Petzold E, et al. **ZFA** 1987 Jan–Feb;42(1):45–9 (Eng. Abstr.) (Ger)
[Avulsion of the ischial tuberosity] Soudry M, et al. **Harefuah** 1985 Mar 15;108(6):291–2 (Eng. Abstr.) (Heb)
[Study on the triathlon from the viewpoint of physical fitness. Energy balance in Kaike triathletes] Aric J, et al. **Ann Physiol Anthropol** 1986 Apr;5(2):69–74 (Eng. Abstr.) (Jpn)
[Energy expenditure during human walking and running (meta-analysis)] Zatsiorskii VM, et al. **Fiziol Cheloveka** 1987 Jan–Feb;13(1):133–8 (Rus)
[Effect of supermarathon running on various blood biochemical indices of men] Iurimiae TA, et al. **Fiziol Zh** 1986 Sep–Oct;32(5):591–4 (Eng. Abstr.) (Rus)
[Effect of health-promoting running on the secretion of human hypophysiotropic hormones] Litvin AA. **Fiziol Zh** 1987 Jul–Aug;33(4):96–8 (Eng. Abstr.) (Rus)
[Health-promoting running as a method for correcting the homeostatic disorders in hypertension patients] Mishchenko VP, et al. **Vrach Delo** 1986 Sep;(9):24–6 (Rus)
[The effect of a 100 kilometer run on total cholesterol, HDL-cholesterol, triglyceride and lipoprotein levels] Mošćovič P, et al. **Vnitr Lek** 1987 Feb;33(2):113–6 (Eng. Abstr.) (Slo)
[Mitral valve insufficiency detected using Doppler echocardiography in marathon runners] Pons Lladó G, et al. **Med Clin (Barc)** 1987 Jun 13;89(3):95–8 (Eng. Abstr.) (Spa)
[Lesions found in medium and long-distance runners] Mendiola Anda C, et al. **Salud Publica Mex** 1986 Jul–Aug; 28(4):387–92 (Eng. Abstr.) (Spa)

RUNT DISEASE see **GRAFT VS HOST DISEASE**

RUPTURE

PREVENTION & CONTROL

Threatened carotid artery rupture: a complication of radical neck surgery. Sanders EM, et al. **J Surg Oncol** 1986 Nov; 33(3):190–3

RURAL HEALTH

see related
AGRICULTURAL WORKERS' DISEASES

Toward the development of rural community psychology. Heyman SR. **Am J Community Psychol** 1986 Oct; 14(5):453–6
The Ok Tedi Health and Nutrition Project, Papua New Guinea: physique, growth and nutritional status of the Wopkaimin of the Star Mountains. Lourie JA, et al. **Ann Hum Biol** 1986 Nov–Dec;13(6):517–36
Comparison of blood pressure and prevalence of hypertension in rural and urban Zaire. M Buyamba-Kabangu JR, et al. **Bibl Cardiol** 1987;(42):80–7
The health of plantation workers [editorial] Richards T. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):714
Cancer in rural areas [editorial] Blair A, et al. **Can Med Assoc J** 1987 May 1;136(9):924–5
Rural crisis in family medicine [letter] Perrin HM. **Can Med Assoc J** 1987 Feb 15;136(4):323
Prevalence of untreated disease in rural Zimbabwe. Levy LF, et al. **Cent Afr J Med** 1986 Jul;32(7):159–63
The substitutability of outpatient primary care in rural community health centers for inpatient hospital care. Deprez RD, et al. **Health Serv Res** 1987 Jun;22(2):207–33
Reducing infant mortality in rural America: evaluation of the Rural Infant Care Program. Gortmaker SL, et al. **Health Serv Res** 1987 Apr;22(1):91–116
Training child psychiatrists in rural public mental health. Petti TA, et al. **Hosp Community Psychiatry** 1987 Apr; 38(4):398–401
Rep. Tauke tackles rural health care problems [interview by Suzan Bibisi] Tauke T. **Hospitals** 1987 Jul 20;61(4):68–9
Toward a conflict resolution of multiple perceptions on post-training utilization of village health workers. Adeniyi JD, et al. **Hygie** 1987 Mar;6(1):24–8
Innovative child health projects. Soni-Raleigh V. **Indian J Pediatr** 1986 Nov–Dec;53(6):699–724
Rural health care [letter] Vasavada Y. **Indian J Pediatr** 1987 Jan–Feb;54(1):128–9
Survivorship differences in geographical comparisons of cancer mortality: an urban-rural analysis. Horner RD, et al. **Int J Epidemiol** 1987 Jun;16(2):184–9
Prevalence of vitamin D deficiency in the elderly in two rural areas in Ireland. Meade A, et al. **Ir Med J** 1986 Dec; 79(12):359
A model for assessing health needs of the rural elderly: methodology and results. Allen VR, et al. **J Allied Health** 1986 Aug;15(3):213–24
Medication use characteristics in the elderly: the Iowa 65+ Rural Health Study. Helling DK, et al. **J Am Geriatr Soc** 1987 Jan;35(1):4–12
Integrated health, nutrition, agriculture and rural development projects, Ubon Ratchathani, Thailand (1976–1984). Dhanamitta S, et al. **J Med Assoc Thai** 1986 Oct;69 Suppl 2:148–55
Physicians' assessments of a rural preceptorship and its influence on career choice and practice site. Chaulk CP, et al. **J Med Educ** 1987 Apr;62(4):349–51
Interdisciplinary health team care: nursing education in a rural health setting. Vinal DF. **J Nurs Educ** 1987 Jun; 26(6):258–9
Prevalence of intestinal parasitic infestation in rural area. Hegde GR, et al. **J Postgrad Med** 1986 Oct;32(4):225–8
The effects of distance and season on the use of boreholes in northeastern Imo State, Nigeria. Blum D, et al. **J Trop Med Hyg** 1987 Feb;90(1):45–50
BioPrep. A premedical program for rural high school students. Knopke HJ, et al. **JAMA** 1986 Nov 14; 256(18):2548–51
Rural medicine/urban responsibilities [editorial] Lanphear JH. **JAMA** 1986 Nov 14;256(18):2567–8
Cardiac resuscitation in rural Kansas. Jones RF, et al. **Kans Med** 1987 Jun;88(6):187–9
Insecticide use and increased mortality in rural Central Luzon, Philippines. Loevinsohn ME. **Lancet** 1987 Jun 13; 1(8546):1359–62
Boycotts and medicine [letter] Savage A. **Lancet** 1987 Jun 20;1(8547):1435
Nurse practitioner and physician assistant satellite health centers. The pending demise of an organizational form? Brooks EF, et al. **Med Care** 1986 Oct;24(10):881–90
A study of patients admitted to Miri Hospital, Sarawak, by airborne medical evacuation. Kiyu Dawie A. **Med J Malaysia** 1986 Jun;41(2):123–33
Averting a crisis in rural health care. A summary report by the MMA Task Force on Rural Health. **Minn Med** 1987 Jan;70(1):17–21
A catalyst for cooperation. The Northern Lakes Health Care Consortium. Christensen RG, et al. **Minn Med** 1987 Jan; 70(1):35–6
Preserving access and quality in rural areas. Durenberger D. **Minn Med** 1987 Jan;70(1):29–30
Management of multiple trauma in a rural setting. Larson DM, et al. **Minn Med** 1987 Jan;70(1):43–5
Medical education of the future. A prototype. Verby JE. **Minn Med** 1987 Jan;70(1):31–2
Community practices in managing diarrhoeal diseases in a rural area of South Sumatra, Indonesia. Ismail R, et al. **Paediatr Indones** 1986 Sep–Oct;26(9–10):185–94
Water-contact patterns and Schistosoma mansoni infection in a rural community in northeast Brazil. Mota E, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan–Feb;29(1):1–8
Immunisation in a rural setting. The EPI as a vital arm of primary health care. Kettles AN, et al. **S Afr Med J** 1987 Sep 5;72(5):343–5
Analysis of an immunisation programme in a rural area. McCutcheon JP, et al. **S Afr Med J** 1987 Sep 5;72(5):329–31
The organizing of medical attendance to animal breeders under the specific conditions of the Mongolian People's Republic. Mukhar T, et al. **Sante Publique (Bucur)** 1986 Jul–Dec;29(3–4):193–7
Rural health care: a British success or a tale of unmet need? Fearn R. **Soc Sci Med** 1987;24(3):263–74
Knowledge attitudes and practices in relation to schistosomiasis in a rural community. Taylor P, et al. **Soc Sci Med** 1987;24(7):607–11
Cultural change, growth and feeding of children in an isolated rural region of Yemen. Underwood P, et al. **Soc Sci Med** 1987;25(1):1–7
Serological detection of cysticercosis in two rural areas of South Africa. Pammenter MD, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):242–4
Primary health: handle with care. Hill PS, et al. **Trop Doct** 1987 Jan;17(1):41–5
Obesity, hypertension and diabetes in a rural KwaZulu hospital. McCance AJ, et al. **Trop Doct** 1987 Apr;17(2):92–4
Simplified cervicograph for rural maternity practice. Webber RH. **Trop Doct** 1987 Apr;17(2):81–4
[Toxoplasma gondii in Haiti. Results of a sero-epidemiologic survey in a rural area] Raccurt CP, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):721–9 (Eng. Abstr.) (Fre)
[Infant weaning in the Hausa, Jerma and Fulani populations. Retrospective study of 268 mothers in the Department of Niamey (Niger)] Cenac A, et al. **Med Trop (Mars)** 1987 Apr–Jun;47(2):161–6 (Eng. Abstr.) (Fre)
[Setting-up a system of health statistics collection in a rural environment in the Ivory Coast] Le Bras J, et al. **Med Trop (Mars)** 1987 Jan–Mar;47(1):65–71 (Eng. Abstr.) (Fre)
[Estimation of the impact of the principal diseases in rural Mali] Duflo B, et al. **Rev Epidemiol Sante Publique** 1986; 34(6):405–18 (Eng. Abstr.) (Fre)
[Rehabilitation possibilities of cooperation between community psychiatry and consultation and medical examiners—an experimental model in a rural area] Grosspietzsch R, et al. **Off Gesundheitswes** 1987 Mar; 49(3):152–5 (Eng. Abstr.) (Ger)
[Method of objective selection of inhabited sites for studying the effect of pesticides on the health status of rural populations] Alriian AP, et al. **Gig Sanit** 1987 Mar;(3):51–3 (Rus)
[Needs of rural youth for information on specific questions of anti-alcohol and anti-smoking propaganda] Lebedeva LV, et al. **Gig Sanit** 1987 Mar;(3):42–6 (Rus)
[Social-hygienic efficacy of implementing planning and building projects of rural settlements] Sokhoshko IA, et al. **Gig Sanit** 1987 Apr;(4):43–5 (Rus)
[Characteristics of the ambulatory care of rural population in relation to parasitic diseases] Markin AV. **Med Parazitol (Mosk)** 1987 Jan–Feb;(1):70–2 (Eng. Abstr.) (Rus)
[Experience with the introduction of health care practices into rural districts of the Ukrainian SSR using scientific methods of organizing outpatient care for children] Gnatelko OZ, et al. **Pediatriia** 1986 Oct;(10):36–9 (Rus)
[Prevalence of major cardiovascular diseases among the rural population] Ardamatskaia TN, et al. **Sov Med** 1986; (10):58–61 (Rus)
[Morbidity of the rural population based on outpatient-polyclinic consultation data] Alriian AP, et al. **Sov Zdravookhr** 1987;(3):32–5 (Eng. Abstr.) (Rus)
[Contributions of the scientists of the Medical Institute to the implementation of food programs] Dubovitskii Zla. **Sov Zdravookhr** 1986;(12):27–30 (Rus)
[Cooperation between a medical university and rural health organs and institutions] Konovalova IG, et al. **Sov Zdravookhr** 1987;(1):39–41 (Eng. Abstr.) (Rus)
[Hygienic evaluation of the rural population] Purina EA. **Sov Zdravookhr** 1987;(4):41–4 (Eng. Abstr.) (Rus)

[Rheophoresis--a practical method of hepatitis immunodiagnosis in rural public health institutions] Orgel' MIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan; (1):55-8 (Eng. Abstr.) **(Rus)**

[Relation of socioeconomic and environmental indicators to the nutritional status of preschool children in a community of Sierra Norte de Puebla, México] Pérez-Gil SE, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):35-44 (Eng. Abstr.) **(Spa)**

[Primary health care in the rural milieu (letter)] de Lorenzo-Cáceres Ascanio A, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):479 **(Spa)**

[Hepatitis and rural aspects (editorial)] Armas Merino R. **Rev Med Chil** 1987 Jan;115(1):70-1 (Eng. Abstr.) **(Spa)**

[Descriptive study of the demand for emergency services in a rural area. The Sierra de San Vicente health zone (Toledo)] De Lorenzo-Cáceres Ascanio A, et al. **Rev Sanid Hig Publica (Madr)** 1986 May-Jun; 60(5-6):511-28 (Eng. Abstr.) **(Spa)**

HISTORY

Medical history in the making: Marshfield Clinic's commitment to rural medical care. **Caduceus** 1986 Autumn; 2(3):40-9

Medical tultuls and aid post orderlies. Some historical notes on the use of village health workers in Papua New Guinea up to Independence. Radford AJ, et al. **Papua New Guinea Med J** 1986 Jun;29(2):165-82

[Sixty years of medical care in several rural departments] Levy D, et al. **Cah Sociol Demogr Med** 1986 Oct-Dec; 26(4):295-328 **(Fre)**

STANDARDS

Control of endemic dracontiasis by provision of water supply in rural communities of Imo State, Nigeria. Udonsi JK. **Public Health** 1987 Jan;101(1):63-70

The challenge of providing quality psychiatric services in a rural setting. Loschen EL. **QRB** 1986 Nov;12(11):376-9

Public opinion on the ambulance service in a rural and an urban region. Dahlgren BE, et al. **Scand J Soc Med** 1986; 14(3):119-22

Quality control for rural laboratories in south-west Tanzania. Cooper-Poole B. **Trans R Soc Trop Med Hyg** 1986; 80(5):823

Distance teaching using self-marking multiple choice questions. Poore P. **Trop Doct** 1987 Jan;17(1):39-41

[Basis for hygienic priorities in the planning and construction of rural settlements] Mironenko MA. **Gig Sanit** 1987 Feb; (2):9-12 (Eng. Abstr.) **(Rus)**

TRENDS

Persuading doctors to practise in nonurban areas [letter] Paterson DC. **Can Med Assoc J** 1987 Aug 15;137(4):275-6

Yes, it can be fun [letter] Hilding DA. **Ear Nose Throat J** 1986 Dec;65(12):571-2

Transitions in rural medicine. Greene JB. **Minn Med** 1987 Jan;70(1):13-4

Diffusing the crisis in rural mental health care. Manolis DC. **Minn Med** 1987 Jan;70(1):14-5

Primary health care in the Philippines: banking on the barangays? Phillips DR. **Soc Sci Med** 1986;23(10):1105-17

[Results of research on the problem of the "Scientific basis of rural health", tasks for the 20th five-year-plan]Kundiev IuI, et al. **Gig Sanit** 1987 Mar;(3):4-7 **(Rus)**

[Rural health--a Party concern] Bolko VG. **Sov Zdravookhr** 1986;(11):3-7 **(Rus)**

RURAL POPULATION

Twenty-five year incidence and prediction of coronary heart disease in two Italian rural population samples. The Italian Research Group of the Seven Countries Study. **Acta Cardiol (Brux)** 1986;41(4):283-99

Incidence of hip fracture in western Sweden 1974-1982. Comparison of rural and urban populations. Mannius S, et al. **Acta Orthop Scand** 1987 Feb;58(1):38-42

Patterns of alcohol use among rural and small-town adolescents. Gibbons S, et al. **Adolescence** 1986 Winter; 21(84):887-900

Gay women, men, and families in rural settings: toward the development of helping communities. D'Augelli AR, et al. **Am J Community Psychol** 1987 Feb;15(1):79-93

Families and schools in rural Appalachia. Gotts EE, et al. **Am J Community Psychol** 1986 Oct;14(5):499-520

Southern Appalachia: analytical models, social services, and native support systems. Keefe SE. **Am J Community Psychol** 1986 Oct;14(5):479-98

Stress-coping-support in rural communities: a model for primary prevention. Kenkel MB. **Am J Community Psychol** 1986 Oct;14(5):457-78

Mental health of small-town Kansas elderly: a report from the Great Plains. Scheidt RJ. **Am J Community Psychol** 1986 Oct;14(5):541-54

Child care in rural areas: needs, attitudes, and preferences. Shoffner SM. **Am J Community Psychol** 1986 Oct; 14(5):521-39

Antibodies to the repetitive epitope of Plasmodium falciparum circumsporozoite protein in a rural Tanzanian community: a longitudinal study of 132 children. Del Giudice G, et al. **Am J Trop Med Hyg** 1987 Mar; 36(2):203-12

Itinerant emergency physicians [letter] **Ann Emerg Med** 1987 Mar;16(3):369

Deaths in infancy and early childhood in a well-vaccinated, rural, West African population. Greenwood BM, et al. **Ann Trop Paediatr** 1987 Jun;7(2):91-9

Rural rehabilitation. Schneider MJ, et al. **Annu Rev Rehabil** 1986;5:217-52

Alcohol abuse and dependence in the rural South. Blazer D, et al. **Arch Gen Psychiatry** 1987 Aug;44(8):736-40

The rural dental scheme in the Orana and Far West Health Region of New South Wales. Cooper MH, et al. **Aust Dent J** 1986 Aug;31(4):292-4

The prevalence rate of respiratory symptoms in school children from two South Australian rural communities. Crockett AJ, et al. **Aust NZ J Med** 1986 Oct;16(5):653-7

Aeromonas hydrophila: its isolation from acute diarrhoeal illness in rural Bangladesh. Aziz KM, et al. **Bangladesh Med Res Counc Bull** 1986 Dec;12(2):49-58

Behavior modification by long-distance. Demonstration of functional control over disruptive behavior in a rural classroom setting. Bornstein PH, et al. **Behav Modif** 1977 Jul;1(3):369-80

Patterns of drinking in a small development town in Israel. Antonovsky H, et al. **Br J Addict** 1987 Mar;82(3):293-303

Breast-feeding and malnutrition in rural areas of northeast Brazil. de Freitas CL, et al. **Bull Pan Am Health Organ** 1986;20(2):138-46

Mycoplasma pneumoniae infections in a rural setting in Canada. Dular R, et al. **Can Med Assoc J** 1987 Jun 15; 136(12):1271-3

Psychosocial problems: what help do rural and urban patients want from their family physicians? Rosenberg EE, et al. **Can Med Assoc J** 1987 Jan 15;136(2):137-41

Implementation: we can weekend in the rural setting. Lane CA, et al. **Cancer Nurs** 1985 Dec;8(6):323-8

Developing partnerships between families and service providers in rural Vermont. Horel L. **Child Today** 1987 Jan-Feb;16(1):17-9

Changing incidence of hip fractures in rural and urban areas of central Norway. Finsen V, et al. **Clin Orthop** 1987 May; (218):104-10

Caries status at the moment of total tooth extraction in a rural and an urban area in the Netherlands. Bouma J, et al. **Community Dent Oral Epidemiol** 1986 Dec;14(6):345-8

Epidemiological study of tobacco smoking behaviour among young people in a rural community of the hill region of Nepal with special reference to attitude and beliefs. Pandey MR, et al. **Community Med** 1987 May;9(2):110-20

Diabetes care in rural area: clinical and metabolic evaluation. Derfler K, et al. **Diabetes Care** 1986 Sep-Oct;9(5):509-17

Incidence and differences in urban-rural seasonal variation of type 1 (insulin-dependent) diabetes in Wisconsin. Allen C, et al. **Diabetologia** 1986 Sep;29(9):629-33

An assessment of the effect of "DOC talk" on school children in rural Iowa. Shank JC, et al. **Fam Med** 1987 Mar-Apr; 19(2):129-32

The negative binomial model and the denominator problem in a rural family practice. Anderson JE, et al. **Fam Pract** 1986 Sep;3(3):174-83

A model for health promotion for the rural elderly. Bender C, et al. **Gerontologist** 1987 Apr;27(2):139-42

Rural-urban differences in senior center activities and services. Krout JA. **Gerontologist** 1987 Feb;27(1):92-7

Postpartum amenorrhea, waiting time to conception, and prevalence of pregnancy of women in a Sudanese agricultural community. Takasaka K. **Hum Biol** 1986 Dec; 58(6):933-44

Epidemiology of measles in a rural community. Lobo J, et al. **Indian J Pediatr** 1987 Mar-Apr;54(2):261-5

Nutritional status of preschool children in a backward community. Mishra CP, et al. **Indian J Pediatr** 1987 Mar-Apr;54(2):267-70

Periodontal disease and dental caries in primary school children in rural areas of Delhi. Pandit K, et al. **Indian J Pediatr** 1986 Jul-Aug;53(4):525-9

A study of ecological determinants of nutrition profile of preschool children in Ganderbal block of Kashmir Valley. Singh J, et al. **Indian J Public Health** 1986 Apr-Jun; 30(2):77-84

Design of dental equipment for remote rural and field areas. Kirk EE. **Int Dent J** 1986 Dec;36(4):199-202

Symptom differences between urban and rural schizophrenics in Turkey. Chu CC, et al. **Int J Soc Psychiatry** 1986 Autumn;32(3):65-71

Dependency of the elderly in a rural population. Clarke AK, et al. **Int Rehabil Med** 1986;8(2):49-53

Prevalence of motor impairment and disability in a rural community in KwaZulu. McLaren PA, et al. **Int Rehabil Med** 1987;8(3):98-104

Cost effective outreach surgery for rural communities. Holder JF. **J Am Optom Assoc** 1987 Jun;58(6):514-7

The determinants of fertility in rural Egypt: a study of Menoufia and Beni-Suef governorates. Gadalla S, et al. **J Biosoc Sci** 1987 Apr;19(2):195-207

Epidemiology of measles in rural area of Punjab. Lakhanpal U, et al. **J Commun Dis** 1986 Sep;18(3):185-8

A longitudinal study on morbidity pattern amongst rural aged in Rajasthan. Sharma RS, et al. **J Commun Dis** 1986 Sep; 18(3):178-84

Selection of infant feeding method: a population-based study in a rural area. LeFevre M, et al. **J Fam Pract** 1987 May; 24(5):487-91

Effects of rural residence and low income factors on the mortality of total Japanese population by age and sex. Araki S, et al. **J Hum Ergol (Tokyo)** 1986 Jun;15(1):47-56

A 25-year follow-up on diabetes in a Japanese rural district. Doi K, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:199-203

Urban-rural comparisons of depressive disorders in French Canada. Kovess V, et al. **J Nerv Ment Dis** 1987 Aug; 175(8):457-66

Stigmatized illnesses in Africa. Emeharole PO. **J R Soc Health** 1987 Feb;107(1):23-5, 27

Investigation of a cancer cluster in a rural South Carolina area. Macera CA, et al. **J SC Med Assoc** 1987 Mar; 83(3):107-10

Smokeless tobacco use among rural high school students in Arkansas. Williams T, et al. **J Sch Health** 1986 Sep; 56(7):282-5

Cytogenetic studies on rural populations exposed to pesticides. Páldy A, et al. **Mutat Res** 1987 Mar; 187(3):127-32

Variations of primary glomerulonephritis incidence in a rural area of 400,000 inhabitants in the last decade. Simon P, et al. **Nephron** 1987;45(2):171

Convergence insufficiency in a rural population. Pickwell LD, et al. **Ophthalmic Physiol Opt** 1986;6(3):339-41

Doctors' health centre visits in the Southern Highlands of Papua New Guinea. Buchanan A, et al. **Papua New Guinea Med J** 1987 Mar;30(1):45-8

A community mental health survey in Cantabria: a general description of morbidity. Vázquez-Barquero JL, et al. **Psychol Med** 1987 Feb;17(1):227-41

Psychosocial epidemiology of rheumatoid arthritis in a rural population. Sizemore JD, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):866

Rural tuberculosis in the Republic of South Africa. Dubovsky H. **Public Health** 1987 Mar;101(2):85-91

Urban AHECs: a comparison with rural AHECs. Gessert C, et al. **Public Health Rep** 1986 Nov-Dec;101(6):637-43

Present-day problems of invalidity with rural population. Nesterov VA, et al. **Sante Publique (Bucur)** 1985; 28(4):329-36

Why not use contraception? Economics of fertility regulation among rural Egyptian women. Schutjer WA, et al. **Soc Biol** 1986 Fall-Winter;33(3-4):214-28

Social life factors affecting the mortality of total Japanese population. Araki S, et al. **Soc Sci Med** 1986;23(11):1163-9

Medical pluralism and infant mortality in a rural area of Bangladesh. Bhardwaj SM, et al. **Soc Sci Med** 1986; 23(10):1003-10

The changing pattern of post-partum sexual abstinence in a Nigerian rural community. Isenalumhe AE, et al. **Soc Sci Med** 1986;23(7):683-6

The influence of health care on contraceptive acceptance in rural Mexico. Potter JE, et al. **Stud Fam Plann** 1987 May-Jun;18(3):144-56

Rural Korean housewives' attitudes towards illness. Park SI. **Yonsei Med J** 1987;28(2):105-11

[Abusive absence of commitment in rural region] Gayda M. **Ann Med Psychol (Paris)** 1987 Mar;145(3):252-7 **(Fre)**

[Assessment of the nutritional status of Algerian women in the reproductive age living in an urban, rural and semi-rural area] Assami M, et al. **Ann Nutr Metab** 1987; 31(4):237-44 (Eng. Abstr.) **(Fre)**

[Responsibility for tsetse control by rural communities: first trial in 5 Congolese villages] Gouteux JP, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):37-49 (Eng. Abstr.) **(Fre)**

[Eating behavior and life styles: research and action on nutrition in a rural area] Grand-Filaire A, et al. **Hygie** 1986 Dec;5(4):36-40 (Eng. Abstr.) **(Fre)**

[Traditional medicine in the Central Plateau of Haiti. 1. Study of the traditional therapeutic system in a rural socio-cultural area] Weniger B, et al. **J Ethnopharmacol** 1986 Jul;17(1):1-11 (Eng. Abstr.) **(Fre)**

[Disabilities, subjective health and mortality after a 3-year follow-up of a rural aged population] Bocquet H, et al. **Rev Epidemiol Sante Publique** 1987;35(2):151-6 (Eng. Abstr.) **(Fre)**

[Social and individual aspects of functional neurotic disorders (assessment of a survey of a rural practice)] Kallweit I. **Z Arztl Fortbild (Jena)** 1987;81(7):317-20 **(Ger)**

[Physical exertion in the agriculture, forestry and farming industries] Jürgens WW. **Z Gesamte Hyg** 1986 Nov; 32(11):643-5 (Eng. Abstr.) **(Ger)**

[Occupational rehabilitation in the agriculture, forestry and farming industries exemplified by the Potsdam district] Koch H, et al. **Z Gesamte Hyg** 1986 Nov;32(11):634-6 (Eng. Abstr.) **(Ger)**

[Anthropometric study of the Veneto rural population from 6- to 12- year-olds. II. Body height standards] Rigon F, et al. **Minerva Pediatr** 1986 Sep 30;38(17-18):713-5 (Eng. Abstr.) **(Ita)**

[Nutritional status and land tenure. A study in adults of the rural area of the northeastern Brazil] Zuñiga HP, et al. **Arch Latinoam Nutr** 1986 Mar;36(1):67-78 (Eng. Abstr.) **(Por)**

[Dietary profile and land ownership in the rural area of the State of Pernambuco, Northeastern Brazil] Romani S de A, et al. **Rev Saude Publica** 1986 Oct;20(5):369-76 (Eng. Abstr.) **(Por)**

[Opisthorchiasis and diphyllobothriasis morbidity of the population in the settlement of Vanzetur, Khanty-Mansi

National Okrug] Bronshtein AM. **Med Parazitol (Mosk)** 1986 Sep–Oct;(5):10–4 (Eng. Abstr.) **(Rus)**

[Traumatism in the adult rural population and expert evaluation of the quality of medical aid rendered] Kiselev VIa, et al. **Ortop Travmatol Protez** 1986 Jul;(7):55–8 **(Rus)**

[Characteristics of tuberculosis epidemiology in rural areas] Belykh VF. **Probl Tuberk** 1987;(4):9–11 (Eng. Abstr.) **(Rus)**

[Rehabilitation of rural patients operated on for pulmonary tuberculosis] Grishin MN, et al. **Probl Tuberk** 1987;(5):8–9 (Eng. Abstr.) **(Rus)**

[Organization of first aid and emergency medical care for the inhabitants of a rural locality] Boev VS, et al. **Sov Zdravookhr** 1986;(8):43–5 **(Rus)**

[The staged introduction of comprehensive oral disease prevention in children in a rural locale] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):76–8 (Eng. Abstr.) **(Rus)**

[Incidence of risk factors for chronic noninfectious diseases among the population of 2 rural therapeutic districts in the Lithuanian SSR and the knowledge of the inhabitants of the presence of their risk factors] Baubinene AV, et al. **Ter Arkh** 1986;58(12):27–31 (Eng. Abstr.) **(Rus)**

[Alimentary factors and cholecystopathy in rural inhabitants of the Latvian SSR] Zhikhar LIu, et al. **Vopr Pitan** 1986 Jul–Aug;(4):26–31 (Eng. Abstr.) **(Rus)**

[Incidence of ischemic heart disease among the inhabitants of a rural locality] Izvorian AA, et al. **Vrach Delo** 1987 Jul;(7):108–10 **(Rus)**

[Myocardial infarct in the inhabitants of a rural locality] Zerbino DD, et al. **Vrach Delo** 1986 Oct;(10):95–6 **(Rus)**

[Blood lipids in the rural population of Talavera (Castilla–La Mancha] Segura Fragoso A, et al. **Rev Clin Esp** 1987 Jan; 180(1):8–11 (Eng. Abstr.) **(Spa)**

RUSSELL'S VIPER VENOM TIME see **PROTHROMBIN TIME**

RUTAMYCIN see under **OLIGOMYCINS**

RUTHENIUM

Results of ERBF and ERPF measurements in healthy dogs with two new radiopharmaceutical principles. de Jong R, et al. **Contrib Nephrol** 1987;56:49–52

Targetry and radiochemical methods for the simultaneous cyclotron production of no–carrier–added radiopharmaceutical–quality 100Pd, 97Ru and 101mRh. Lagunas–Solar MC, et al. **Int J Rad Appl Instrum [A]** 1987; 38(2):151–7

Differential staining of biological structures by ruthenium red [published erratum appears in J Microsc 1987 May;146 (Pt 2):333] Gutierrez–Gonzalvez MG, et al. **J Microsc** 1987 Mar;145 (Pt 3):333–40

Staining of O–specific polysaccharide chains of lipopolysaccharides with ruthenium red. Kuno T, et al. **Microbiol Immunol** 1986;30(8):743–51

ADMINISTRATION & DOSAGE

[Conservative treatment of malignant choroid melanoma by scleral applicators of ruthenium–106. First 25 French cases] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):523–6 **(Fre)**

CHEMICAL SYNTHESIS

Chemical and biological properties of pentaammineruthenium–bleomycin complexes. Margalit R, et al. **Chem Biol Interact** 1986 Oct 1;59(3):231–45

DIAGNOSTIC USE

Visualization of proteoglycans and membrane–associated components in rat incisor enamel organ using ruthenium hexammine trichloride. Goldberg M, et al. **J Biol Buccale** 1987 Mar;15(1):59–66

Ultrastructural studies of basement membranes of microvessels isolated from rat brain: lack of staining with ruthenium red. Schmidley JW. **Microvasc Res** 1987 May; 33(3):417–21

Basement membrane of central nervous system capillaries lacks ruthenium red–staining sites. Schmidley JW, et al. **Microvasc Res** 1986 Nov;32(3):300–14

Ruthenium–red–stained polyanionic fixed charges in peritoneal microvessels. Gotloib L, et al. **Nephron** 1987; 47(1):22–8

ISOLATION & PURIFICATION

[Separation of [Rh–103m]–rhodocene derivatives from the parent [103Ru]ruthenocene derivatives and their organ distribution] Wenzel M, et al. **Int J Rad Appl Instrum [A]** 1987;38(1):67–9 (Eng. Abstr.) **(Ger)**

METABOLISM

The binding of cationic probes to apical and basal surfaces of rat lung capillary endothelium and of endothelial cells in tissue culture. Rounds S, et al. **Am Rev Respir Dis** 1987 Mar;135(3):725–30

Proton translocation by cytochrome oxidase in (antimycin + myxothiazol)–treated rat liver mitochondria using ferrocyanide or hexammineruthenium as electron donor. West IC, et al. **Biochem J** 1986 May 15;236(1):15–21

Brain affinity of the ruthenocene analogue of N–isopropyl–amphetamine labeled with gamma–emitters. Wenzel M, et al. **Naturwissenschaften** 1986 Aug; 73(8):509–10

Radioruthenium uptake by the erythrocyte membrane proteins. Mařík T, et al. **Radiobiol Radiother (Berl)** 1986; 27(3):359–61

[Biochemistry of amino acid derivatives of [103Ru] ruthenocene. Comparison with 131I hippuran] Wenzel M, et al. **Int J Rad Appl Instrum [A]** 1986;37(6):491–5 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of ruthenium red upon Ca2+ and Mn2+ uptake in Saccharomyces cerevisiae. Comparison with the effect of La3+. van der Pal RH, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):19–23

Effects of repetitive activity, ruthenium red, and elevated extracellular calcium on frog skeletal muscle: implications for t–tubule conduction. Howell JN, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):691–6 (39 ref.)

Further studies on toxic and radiosensitizing properties of ruthenium complexes of 4–nitroimidazoles. Chan PK, et al. **Int J Radiat Biol** 1987 Jul;52(1):49–55

Effect of compound 48/80 and ruthenium red on the Ca2+–ATPase of sarcoplasmic reticulum. Alves EW, et al. **J Biol Chem** 1986 Dec 25;261(36):16854–9

Kinetics of mitochondrial calcium transport. II. A kinetic description of the sodium–dependent calcium efflux mechanism of liver mitochondria and inhibition by ruthenium red and by tetraphenylphosphonium. Wingrove DE, et al. **J Biol Chem** 1986 Nov 15;261(32):15166–71

On the action of ruthenium red and neuraminidase at the frog neuromuscular junction. Robertson B, et al. **J Physiol (Lond)** 1987 Jan;382:411–23

Hyperthermia inhibition of tumor cells growth in the presence of ruthenium red. Anghileri LJ, et al. **Neoplasma** 1986;33(5):603–8

Focal cell contacts detected by ruthenium red, triton X100 and saponin in the granulosa cells of mouse ovary. Familiari G, et al. **Tissue Cell** 1987;19(2):207–15

[Ruthenium complexes as antitumor drugs: isolation of a new Ru (III) and iminodiacetic acid complex] Vilaplana R, et al. **Rev Esp Oncol** 1984;31(4):575–82 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Results after beta–irradiation (106Ru/106Rh) of choroidal melanomas. Twenty years' experience. Lommatzsch PK. **Am J Clin Oncol** 1987 Apr;10(2):146–51

Comparative antitumor activity of ruthenium derivatives with 5'–deoxy–5–fluorouridine in chemically induced colorectal tumors in SD rats. Garzon FT, et al. **Cancer Chemother Pharmacol** 1987;19(4):347–9

Results of high dose 106–ruthenium irradiation of choroidal melanomas. Müller RP, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1749–55

[Treatment of melanomas of the choroid with 106 Ru/106 Rh applicators. Preliminary results] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1333–7 (Eng. Abstr.) **(Fre)**

[Radiotherapy of malignant melenoma of the choroid with ruthenium–106 applicator gives good results] Seregard S, et al. **Lakartidningen** 1987 Jul 8;84(28–29):2339–40 (Eng. Abstr.) **(Swe)**

TOXICITY

Chromosome–damaging activity of a ruthenium radiosensitizer, RuCl2 (DMSO)2 (4–nitroimidazole)2, in Chinese hamster ovary cells in vitro. Chan PK, et al. **Chem Biol Interact** 1986 Oct 1;59(3):247–54

Interactions of mitochondrial inhibitors with methylmercury on spontaneous quantal release of acetylcholine. Levesque PC, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):315–24

RUTHENIUM RED see under **RUTHENIUM**

RUTIN

ANALOGS & DERIVATIVES

Smoking–induced changes in endothelium and platelets are not affected by hydroxyethylrutosides. Davis JW, et al. **Br J Exp Pathol** 1986 Oct;67(5):765–71

Efficacy of O–(beta–hydroxyethyl)–rutosides at high dosage in counteracting the unwanted activity of oral contraceptives on venous function. Cappelli R, et al. **Int J Clin Pharmacol Res** 1987;7(4):291–9

Protective effects of O–(beta–hydroxyethyl)–rutoside on cis–platinum–induced acute renal failure in the rat. Dobyan DC, et al. **Lab Invest** 1986 Nov;55(5):557–63

Effect of dose schedule of vitamin E and hydroxethylruticide on intestinal toxicity induced by adriamycin. McGinness JE, et al. **Physiol Chem Phys Med NMR** 1986;18(1):17–24

Venoruton in the therapy of central retinal vein occlusion. Zygulska–Mach H, et al. **Ther Hung** 1985;33(2):79–82

Study of mutagenic activity of troxerutin, a flavonoid derivative. Marzin D, et al. **Toxicol Lett** 1987 Feb; 35(2–3):297–305

[Possibilities for influencing the antiedemic effect of glycerol and a glycerol and hydroxyethylrutoside combination by adrenergic antagonists in experimental brain edema] Bakracheva N. **Eksp Med Morfol** 1986;25(4):31–8 (Eng. Abstr.) **(Bul)**

[Efficacy of O–(beta–hydroxyethyl)–rutosides in the treatment of venous leg ulcers] Stegmann W, et al. **Phlebologie** 1987 Jan–Mar;40(1):149–56 (Eng. Abstr.) **(Fre)**

[Dosage of O–beta hydroxyethylrutoside in chronic venous insufficiency] Stemmer R, et al. **Phlebologie** 1986 Oct–Dec; 39(4):995–1003 (Eng. Abstr.) **(Fre)**

[Treatment of acute symptoms of hemorrhoid disease with high–dose oral O–(beta–hydroxyethyl)–rutosides] Annoni F, et al. **Minerva Med** 1986 Sep 29;77(37):1663–8 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

On the mechanism of antithrombotic action of flavonoids. Gryglewski RJ, et al. **Biochem Pharmacol** 1987 Feb 1; 36(3):317–22

Effect of benzopyrone derivatives on drug activity and metabolism. Kourounakis P, et al. **Eur J Drug Metab Pharmacokinet** 1986 Oct–Dec; 11(4):269–73

[Effect of ascorutin on the thiamine level and ascorbic acid metabolism in rats subjected to exertion of various degrees of intensity] Zurashvili BSh. **Vopr Med Khim** 1986 Sep–Oct; 32(5):53–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Urinary and faecal mutagenicity in Sprague–Dawley rats dosed with the food mutagens quercetin and rutin. Crebelli R, et al. **Food Chem Toxicol** 1987 Jan;25(1):9–15

RYANODINE see under **ALKALOIDS**

RYE see under **CEREALS**

S PERIOD see **INTERPHASE**

SABIN VACCINE see **POLIOVIRUS VACCINE, ORAL**

SACCADES see under **EYE MOVEMENTS**

SACCHARIN

Saccharin drinking by hungry rats: adjustment to constraints. Mook DG, et al. **Appetite** 1986 Dec;7(4):365–79

Effect of pH and ions on the electronic structure of saccharin. Williamson DS, et al. **Food Chem Toxicol** 1987 Mar; 25(3):211–8

Effects of SOA and saccharin adulteration on Polycose preference in rats. Sclafani A, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):163–8

Effects of prenatal testosterone propionate treatment on saccharin preference of adult rats exposed to ethanol in utero. McGivern RF, et al. **Physiol Behav** 1987;39(2):241–6

Caffeine enhancement of saccharin but not cyclamate flavor avoidance. Mason JR, et al. **Physiol Behav** 1987; 39(6):757–62

ADMINISTRATION & DOSAGE

Use of noncaloric sweeteners. American Diabetes Association. **Diabetes Care** 1987 Jul–Aug;10(4):526

Successive, simultaneous, and anticipatory contrast in the consumption of saccharin solutions. Flaherty CF, et al. **J Exp Psychol [Anim Behav]** 1986 Oct;12(4):381–93

ADVERSE EFFECTS

Notalgia paresthetica [letter] Fishman HC. **J Am Acad Dermatol** 1986 Dec;15(6):1304–5

ANALYSIS

Liquid chromatographic determination of saccharin in beverages and sweets: NMKL Collaborative Study. Sjoberg AM, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb; 70(1):58–60

A new method for the determination of saccharin based on thin–layer chromatography and spectrophotometry. Vidaud ZE, et al. **Nahrung** 1987;31(2):105–8

DIAGNOSTIC USE

A modification of the saccharine test for nasal mucociliary clearance. Deitmer T. **Rhinology** 1986 Dec;24(4):237–40

PHARMACODYNAMICS

Interaction of saccharin with hexitol metabolism by Streptococcus mutans. Best GM, et al. **Caries Res** 1987; 21(3):204–14

A proposed mechanism for the effects of saccharin on glucose metabolism by Streptococcus mutans. Brown AT, et al. **Caries Res** 1986;20(5):406–18

Organ–specific modifying effects of phenobarbital, saccharin and antioxidants on 2–stage chemical carcinogenesis. Ito N. **Dev Toxicol Environ Sci** 1986;12:359–69 (27 ref.)

Effects of bicarbonate–based dental powder, fluoride, and saccharin on dental caries and on Streptococcus sobrinus recoveries in rats. Tanzer JM, et al. **J Dent Res** 1987 Mar;

66(3):791–4
Saccharin preference in animals prenatally exposed to alcohol: no evidence of altered sexual dimorphism. Abel EL, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct; 8(5):521–3
Influence of saccharin on Polycose, sucrose, and glucose intake and preference in rats. Sclafani A, et al. **Neurosci Biobehav Rev** 1987 Summer;11(2):223–9

TOXICITY

In utero–exposure to saccharin: a threat? Cohen–Addad N, et al. **Cancer Lett** 1986 Aug;32(2):151–4
Ornithine decarboxylase activity and DNA synthesis in rats after long term treatment with butylated hydroxyanisole, sodium saccharin or phenobarbital. Tatematsu M, et al. **Cancer Lett** 1986 Nov;33(2):119–24
Effect of sodium phenobarbital and sodium saccharin in AIN–76A diet on carcinogenesis initiated with N–[4–(5–nitro–2–furyl)–2–thiazolyl]formamide and N,N–dibutylnitrosamine in male F344 rats. Imaida K, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6160–4
Multistage transformation of cultured rat urothelium: the effects of N–methyl–N–nitrosourea, sodium saccharin, sodium cyclamate and 12–O–tetradecanoylphorbol–13–acetate. Knowles MA, et al. **Carcinogenesis** 1986 Dec;7(12):2059–65
Effect of dietary carbohydrate type and content on the response of male rats to dietary sodium saccharin. Anderson RL, et al. **Food Chem Toxicol** 1987 Apr; 25(4):271–5
The effects of saccharin on the development of neoplastic lesions initiated with N–methyl–N–nitrosourea in the rat urothelium. West RW, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):585–600
The effect of long–term administration of aspirin and sodium saccharin on the rat kidney. Johansson SL, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):80–92
Haematological abnormalities induced by feeding a common artificial sweetener, saccharin, in ICR Swiss mice. Prasad O, et al. **Toxicol Lett** 1987 Mar;36(1):81–8

URINE

[Mutagenicity of urine after ingestion of saccharin in man] Thomas G, et al. **Ann Med Interne (Paris)** 1986;137(7):576–8 (Eng. Abstr.) **(Fre)**

SACCHAROMYCES

[Intestinal mode of action of Saccharomyces boulardii (letter)] Chapoy P. **Gastroenterol Clin Biol** 1986 Dec; 10(12):860–1 **(Fre)**

ANALYSIS

Cell–cell recognition in yeast. Molecular nature of the sexual agglutinin from Saccharomyces kluyveri 17–cells. Weinstock K, et al. **J Biol Chem** 1986 Dec 5; 261(34):16174–9

CLASSIFICATION

Spectrophotometric analyses of some Candida species and related yeasts: significance in taxonomy. Montrocher R, et al. **Cell Mol Biol** 1987;33(3):313–23

ENZYMOLOGY

The distinction of different types of cytochromes P–450 from the yeasts Candida tropicalis and Saccharomyces uvarum. Sanglard D, et al. **Arch Biochem Biophys** 1986 Nov 15; 251(1):276–86
DNA topoisomerase II is required for condensation and separation of mitotic chromosomes in S. pombe. Uemura T, et al. **Cell** 1987 Sep 11;50(6):917–25
Study of the nucleotide binding site of the yeast Schizosaccharomyces pombe plasma membrane H+–ATPase using formycin triphosphate–terbium complex. Ronjat M, et al. **J Biol Chem** 1987 Mar 5; 262(7):3146–53
[Molecular cloning of the glucoamylase gene STA2 of the yeast Saccharomyces diastaticus CBS1782] Neistat MA, et al. **Dokl Akad Nauk SSSR** 1987;294(5):1247–50 **(Rus)**

GENETICS

A fission yeast chromosome can replicate autonomously in mouse cells. Allshire RC, et al. **Cell** 1987 Jul 31; 50(3):391–403
3'–End formation of transcripts from the yeast rRNA operon. Kempers–Veenstra AE, et al. **EMBO J** 1986 Oct; 5(10):2703–10
Isolation and partial characterization of 2–microns yeast plasmid as a transcriptionally active minichromosome. Silva J, et al. **FEBS Lett** 1987 Apr 6;214(1):71–4
Gene fusion is a possible mechanism underlying the evolution of STA1. Yamashita I, et al. **J Bacteriol** 1987 May; 169(5):2142–9
The mitochondrial reading frame RF3 is a functional gene in Saccharomyces uvarum. Séraphin B, et al. **J Biol Chem** 1987 Jul 25;262(21):10146–53
Functions encoded by the yeast plasmid pSB3 isolated from Zygosaccharomyces rouxii IFO 1730 (formerly Saccharomyces bisporus var. mellis). Utatsu I, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1359–65
Identification of a second trans–acting gene controlling maltose fermentation in Saccharomyces carlsbergensis. Dubin RA, et al. **Mol Cell Biol** 1986 Aug;6(8):2757–65
Nucleotide sequence of the gene encoding the Saccharomyces kluyveri alpha mating pheromone. Egel–Mitani M, et al. **Nucleic Acids Res** 1987 Aug 11; 15(15):6303
Random–clone strategy for genomic restriction mapping in yeast. Olson MV, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(20):7826–30

GROWTH & DEVELOPMENT

Prevention of Clostridium difficile induced mortality in gnotobiotic mice by Saccharomyces boulardii. Corthier G, et al. **Can J Microbiol** 1986 Nov;32(11):894–6

METABOLISM

Magnesium limitation and its role in apparent toxicity of ethanol during yeast fermentation. Dombek KM, et al. **Appl Environ Microbiol** 1986 Nov;52(5):975–81
Purification and characterization of the UDP–glucose 4–epimerase from Saccharomyces carlsbergensis. Cármenes RS, et al. **Cell Mol Biol** 1986;32(5):601–5
Ethanol tolerance in yeasts. Casey GP, et al. **CRC Crit Rev Microbiol** 1986;13(3):219–80 (273 ref.)
The effect of pentachlorophenol and its metabolite tetrachlorohydroquinone on RNA, protein, and ribosome synthesis in Saccharomyces cells. Ehrlich W, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):7–12

PHYSIOLOGY

Suppression by Saccharomyces boulardii of toxigenic Clostridium difficile overgrowth after vancomycin treatment in hamsters. Elmer GW, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):129–31
Buoyant density variation during the cell cycle in microorganisms. Kubitschek HE. **CRC Crit Rev Microbiol** 1987;14(1):73–97 (56 ref.)
Kinetics of spheroplasts formation from selected yeast strains. van Huynh N, et al. **Zentralbl Mikrobiol** 1987;142(3):263–8

RADIATION EFFECTS

Radiation induced formation of giant cells in Saccharomyces uvarum. IV. Macromolecular synthesis and protein patterns. Rink H, et al. **Radiat Environ Biophys** 1986; 25(2):81–91

SACCHAROMYCES CEREVISIAE

Pseudogenes in yeast? Fink GR. **Cell** 1987 Apr 10;49(1):5–6
Inactivated Saccharomyces cerevisiae as virulence–enhancing agent in the toxicity test of Salmonella typhi and the immunity assay of typhoid vaccine in mice. Lu CH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):37–45
[Problems of occupationally induced respiratory allergies as exemplified by bakers' asthma] Thiel H. **Derm Beruf Umwelt** 1987 May–Jun;35(3):81–91 (31 ref.) (Eng. Abstr.) **(Ger)**
[Electrophoretic studies on the effect of different types of radiation (60Co, electrons, x–ray, photons, UV) on low–molecular ribonucleic acids] Lickl E, et al. **Strahlenther Onkol** 1987 Aug;163(8):552–6 (Eng. Abstr.) **(Ger)**
[Action of a yeast dsRNA preparation on the humoral immune response and the delayed hypersensitivity reaction] Razvorotnev VA, et al. **Antibiot Med Biotekhnol** 1987 Apr; 32(4):285–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Yeast preparations enriched with trace elements. Korhola M, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:148–51
Evidence for the existence of an expressed minor variant tRNAPhe in yeast. Keith G, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):183–7
Application of high–performance liquid chromatography to the purification and characterization of ribosomal protein L3 from trichodermin–resistant yeast mutants. Threadgill GJ, et al. **Biochem J** 1986 Jul 15;237(2):421–6
Demonstration of the GC–rich common arm in yeast ribosomal 5.8S RNA via 500–MHz proton nuclear magnetic resonance and Overhauser enhancements. Lee KM, et al. **Biochemistry** 1986 Dec 16;25(25):8245–52
Immunological evidence for the existence of H1–like histone in yeast. Srebreva L, et al. **Eur J Biochem** 1987 Jun 1; 165(2):449–54
Rapid changes of heat and desiccation tolerance correlated with changes of trehalose content in Saccharomyces cerevisiae cells subjected to temperature shifts. Hottiger T, et al. **FEBS Lett** 1987 Aug 10;220(1):113–5
Amino acid sequences of a–factor mating peptides from Saccharomyces cerevisiae. Betz R, et al. **J Biol Chem** 1987 Jan 15;262(2):546–8
Non–adenylylated bis(5'–nucleosidyl) tetraphosphates occur in Saccharomyces cerevisiae and in Escherichia coli and accumulate upon temperature shift or exposure to cadmium. Coste H, et al. **J Biol Chem** 1987 Sep 5; 262(25):12096–103
Purification and characterization of Saccharomyces cerevisiae mitochondrial elongation factor Tu. Rosenthal LP, et al. **J Biol Chem** 1987 Aug 15;262(23):10955–9
A nystatin–resistant mutant of Saccharomyces cerevisiae: isolation and characterization by electron microscopy and chemical analysis of whole cells, cell–walls and protoplasts. Beezer AE, et al. **Microbios** 1986;47(191):117–26
A simple and rapid method for preparing yeast chromosomes for pulsed field gel electrophoresis. Bellis M, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6749
Purification and characterization of an activity from Saccharomyces cerevisiae that catalyzes homologous pairing and strand exchange. Kolodner R, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5560–4
Enzymatic preparation of seasoning 5'–nucleotides from baker's yeast. Chen HJ, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):124–8
Effect of temperature on the lipid composition of anaerobically grown Saccharomyces cerevisiae. de Resende MA, et al. **Rev Latinoam Microbiol** 1986 Oct–Dec; 28(4):345–9

CYTOLOGY

Effect of tunicamycin on cell cycle progression in budding yeast. Vai M, et al. **Exp Cell Res** 1987 Aug;171(2):448–59
The phagocytosis of yeast cells by monocytes: effects of colchicine, beta–lumicolchicine, and gamma–lumicolchicine. Athlin L, et al. **Lymphology** 1986 Sep;19(3):130–5
An alternative pathway for meiotic chromosome segregation in yeast. Dawson DS, et al. **Science** 1986 Nov 7; 234(4777):713–7
[Cloning of metabolic regulators and regulation of cell proliferation] Murata K, et al. **Tanpakushitsu Kakusan Koso** 1986 Sep;31(11):1010–21 (74 ref.) **(Jpn)**
[Regulation of cell proliferation by ras gene products through the cAMP cascade system] Uno I, et al. **Tanpakushitsu Kakusan Koso** 1986 Sep;31(11):1022–34 (68 ref.) **(Jpn)**

DRUG EFFECTS

Killing of Saccharomyces cerevisiae by the lysosomotropic detergent N–dodecylimidazole. Hussain M, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):512–7
Effect of ozone on ATP, cytosolic enzymes and permeability of Saccharomyces cerevisiae. Hinze H, et al. **Arch Microbiol** 1987 Mar;147(2):105–8
Inhibition of protein phosphorylation by chloroquine. Kalisz H, et al. **Arch Microbiol** 1987 Apr;147(3):235–9
Verapamil modulates mutagenicity of antitumour acridines in bacteria and yeast. Baguley BC, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4581–4
Mechanism of action of Pseudomonas syringae phytotoxin, syringomycin. Interaction with the plasma membrane of wild–type and respiratory–deficient strains of Saccharomyces cerevisiae. Zhang L, et al. **Biochim Biophys Acta** 1986 Sep 25;861(1):201–4
Sensitivity of yeast cells to reactive oxygen species generated in the extracellular space. Chaput M, et al. **Biochimie** 1987 Jan;69(1):53–62
Alpha–factor inhibition of the rate of cell passage through the "start" step of cell division in Saccharomyces cerevisiae yeast: estimation of the division delay per alpha–factor.receptor complex. Moore SA. **Exp Cell Res** 1987 Aug;171(2):411–25
Protective effect of vitamins against trichothecene toxicity towards Saccharomyces cerevisiae. Yagen B, et al. **Experientia** 1987 Aug 15;43(8):886–8
Effect of ammonium ions on delta 5,7–sterol synthesis in Saccharomyces cerevisiae. Novotný C, et al. **Folia Microbiol (Praha)** 1987;32(3):206–10
Inhibition of biosynthesis of Saccharomyces cerevisiae sugar transport system by tunicamycin. Lagunas R, et al. **J Bacteriol** 1986 Dec;168(3):1484–6
Fluphenazine–resistant Saccharomyces cerevisiae mutants defective in the cell division cycle. Matsumoto K, et al. **J Bacteriol** 1986 Dec;168(3):1352–7
Tunicamycin inhibition of epispore formation in Saccharomyces cerevisiae. Weinstock KG, et al. **J Bacteriol** 1987 Sep;169(9):4384–7
Characterization of nystatin–resistant mutants of Saccharomyces cerevisiae and preparation of sterol intermediates using the mutants. Nakanishi S, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):535–44
Mutagenic, recombinogenic and antimitochondrial effects of nitracrine analogues in Saccharomyces cerevisiae. Ferguson LR, et al. **Mutat Res** 1987 Apr;187(4):209–17
High mutagenic activity of 3–azido–1,2–propanediol (azidoglycerol, AG) in strain D7 of Saccharomyces cerevisiae. Juříček M, et al. **Mutat Res** 1987 May; 178(1):43–7
Effects of chemical combinations on the induction of aneuploidy in Saccharomyces cerevisiae. Mayer VW, et al. **Mutat Res** 1987 Jan;187(1):21–30
Physiological effects of econazole nitrate on yeast cells. Kern R, et al. **Mykosen [Suppl]** 1978;1:339–45
[Genetic activity of sim–triazine herbicides on Saccharomyces cerevisiae yeast strains] Emnova EE, et al. **Tsitol Genet** 1987 Mar–Apr;21(2):127–31 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Immunological properties and peptide mapping of two type I casein kinases from yeast. Grankowski N, et al. **Acta Biochim Pol** 1987;34(1):45–9

Intracellular localization of Aspergillus nidulans ornithine carbamoyltransferase in native host cells and in Saccharomyces cerevisiae cells harbouring its cloned structural gene. Maleszka R, et al. **Acta Biochim Pol** 1986; 33(3):217–27

In situ behavior of the pyrimidine pathway enzymes in Saccharomyces cerevisiae. 2. Reaction mechanism of aspartate transcarbamylase dissociated from carbamylphosphate synthetase by genetic alteration. Belkaïd M, et al. **Arch Biochem Biophys** 1987 May 1; 254(2):568–78

Partial purification and characterization of the interconvertible forms of trehalase from Saccharomyces cerevisiae. Dellamora-Ortiz GM, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):205–14

Electron transfer between reduced methyl viologen and oxidized glutathione: a new assay of Saccharomyces cerevisiae glutathione reductase. Llobell A, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):373–81

A 5'——3' exoribonuclease of Saccharomyces cerevisiae: size and novel substrate specificity. Stevens A, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):339–47

Accumulation and secretion of exoglucanase activity in yeast secretory mutants. Hernández LM, et al. **Arch Microbiol** 1986 Dec;146(3):221–6

Biosynthesis regulation of the beta-glucosidase produced by a yeast strain transformed by genetic engineering. Leclerc M, et al. **Arch Microbiol** 1986 Nov;146(2):115–7

Catabolite inactivation of isocitrate lyase from Saccharomyces cerevisiae. López-Boado YS, et al. **Arch Microbiol** 1987 Apr;147(3):231–4

Distinct specificities of repressible acid phosphatase from yeast toward phosphoseryl and phosphotyrosyl phosphopeptides. Donella-Deana A, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1202–9

Localization of enzyme for heme attachment to apocytochrome c in yeast mitochondria. Enosawa S, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):1145–50

In vitro assay of squalene epoxidase of Saccharomyces cerevisiae. M'Baya B, et al. **Biochem Biophys Res Commun** 1987 Sep 15;147(2):556–64

Amino acid sequence homology between yeast hexokinases and rat hexokinase C. Marcus F, et al. **Biochem Biophys Res Commun** 1986 Sep 14;139(2):714–9

A membrane-bound, calcium-dependent protease in yeast alpha-cell cleaving on the carboxyl side of paired basic residues. Mizuno K, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):807–14

Novel Leu-Lys-specific peptidase (Leulysin) produced by gel-entrapped yeast cells. Okada T, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):316–22

An altered adenylate cyclase in cdc35-1 cell division cycle mutant of yeast. Sy J, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):723–7

New chelator-sensitive proteases in matrix of yeast mitochondria. Yasuhara T, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):277–83

Differences between Saccharomyces cerevisiae and Bacillus subtilis in secretion of human lysozyme. Yoshimura K, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):712–8

The RPO31 gene of Saccharomyces cerevisiae encodes the largest subunit of RNA polymerase III. Moyle M, et al. **Biochem Cell Biol** 1986 Aug;64(8):717–21

Yeast enolase carboxyl modification using Woodward's reagent K. Sinha U, et al. **Biochem Cell Biol** 1986 Oct; 64(10):970–5

Adenosine deaminase from Saccharomyces cerevisiae: purification and characterization. Marmocchi F, et al. **Biochem Int** 1987 Mar;14(3):569–80

Comparison of the processes involved in reduction by the substrate for two homologous flavocytochromes b2 from different species of yeast. Capeillère-Blandin C, et al. **Biochem J** 1986 Sep 15;238(3):745–56

The bisphosphonomethyl analogue of 2,3-bisphosphoglycerate inhibits yeast but not wheat-germ phosphoglycerate mutase. McAleese SM, et al. **Biochem J** 1987 Apr 1;243(1):301–4

Regulation of early enzymes of ergosterol biosynthesis in Saccharomyces cerevisiae. Servouse M, et al. **Biochem J** 1986 Dec 1;240(2):541–7

Yeast phosphoglycerate kinase: investigation of catalytic function by site-directed mutagenesis. Wilson CA, et al. **Biochem J** 1987 Jan 15;241(2):609–14

Interaction of azole antifungal agents with cytochrome P-45014DM purified from Saccharomyces cerevisiae microsomes. Yoshida Y, et al. **Biochem Pharmacol** 1987 Jan 15;36(2):229–35

Glutamic acid-149 is important for enzymatic activity of yeast inorganic pyrophosphatase. Gonzalez MA, et al. **Biochemistry** 1986 Nov 4;25(22):7179–85

Thermodynamic study of yeast phosphoglycerate kinase. Hu CQ, et al. **Biochemistry** 1987 Jan 13;26(1):178–82

Investigation of the regiospecificity and stereospecificity of proton transfer in the yeast inorganic pyrophosphatase catalyzed reaction. Lin I, et al. **Biochemistry** 1986 Aug 12; 25(16):4688–92

Covalent aspartylation of aspartyl-tRNA synthetase from bakers' yeast by its cognate aspartyl adenylate: identification of the labeled residues. Mejdoub H, et al. **Biochemistry** 1987 Apr 7;26(7):2054–9

Orotate phosphoribosyltransferase and hypoxanthine/guanine phosphoribosyltransferase from yeast: nuclear magnetic relaxation studies of the structures of enzyme-bound phosphoribosyl 1-pyrophosphate. Syed DB, et al. **Biochemistry** 1987 Feb 24;26(4):1051–8

Phosphorylation-dephosphorylation of pyruvate dehydrogenase from bakers' yeast. Uhlinger DJ, et al. **Biochemistry** 1986 Sep 23;25(19):5673–7

Molecular cloning of a human gastric lipase and expression of the enzyme in yeast. Bodmer MW, et al. **Biochim Biophys Acta** 1987 Aug 25;909(3):237–44

Identification of a phosphorylated form of phosphoenolpyruvate carboxykinase from the yeast Saccharomyces cerevisiae. Burlini N, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):220–9

Studies on the regulation of enolases and compartmentation of cytosolic enzymes in Saccharomyces cerevisiae. Entian KD, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):214–21

A covalent complex between horse heart cytochrome c and yeast cytochrome c peroxidase: kinetic properties. Erman JE, et al. **Biochim Biophys Acta** 1987 Jan 5;911(1):1–10

The association reaction of yeast alcohol dehydrogenase with coenzyme is partly diffusion-controlled in solvents of increased viscosity. Hasinoff BB, et al. **Biochim Biophys Acta** 1987 Jan 5;911(1):53–8

Purification procedure and N-terminal amino acid sequence of yeast malate dehydrogenase isoenzymes. Kopetzki E, et al. **Biochim Biophys Acta** 1987 Apr 30;912(3):398–403

Purification of highly active cytochrome bc1 complexes from phylogenetically diverse species by a single chromatographic procedure. Ljungdahl PO, et al. **Biochim Biophys Acta** 1987 May 6;891(3):227–41

Activation of serine sulphydrase from baker's yeast (Saccharomyces cerevisiae) by vanadate. Meisch HU, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):234–7

Electron microscopical structure analysis of yeast fatty-acid synthase at low resolution. Hackenjos WA, et al. **Biol Chem Hoppe Seyler** 1987 Jan;368(1):19–36

Interaction of chloride with yeast aminopeptidase I. Equilibrium binding studies. Hetz G, et al. **Biol Chem Hoppe Seyler** 1987 Jan;368(1):63–6

How does glucose initiate proteolysis of yeast fructose-1,6-bisphosphatase? Holzer H, et al. **Biomed Biochim Acta** 1986;45(11–12):1657–63

Binding of fructose-1,6-bisphosphate to yeast phosphofructokinase. Kessler R, et al. **Biomed Biochim Acta** 1986;45(9):1121–5

Kinetic effects of fructose-1,6-bisphosphate on yeast phosphofructokinase. Otto A, et al. **Biomed Biochim Acta** 1986;45(7):865–75

Studies on thiamine diphosphate kinase (EC 2.7.4.15) from brewer's yeast: purification and some properties. Voskoboyev AI, et al. **Biomed Biochim Acta** 1987; 46(1):3–13

Heme-linked ionizations of myeloperoxidase detected by Raman difference spectroscopy. A comparison with plant and yeast peroxidases. Stump RF, et al. **Biophys J** 1987 Apr;51(4):605–10

Regulation of phosphoenolpyruvate carboxykinase and pyruvate kinase in Saccharomyces cerevisiae grown in the presence of glycolytic and gluconeogenic carbon sources and the role of mitochondrial function on gluconeogenesis. Wilson AJ, et al. **Can J Microbiol** 1986 Dec;32(12):969–72

Functional redundancy and structural polymorphism in the large subunit of RNA polymerase II. Nonet M, et al. **Cell** 1987 Sep 11;50(6):909–15

Peptidyl transferase centres of rat and yeast ribosomes. Different response to modification of protein amino groups. González PJ, et al. **Comp Biochem Physiol [B]** 1986; 85(4):895–8

Inactivation and degradation of yeast glucose-6-phosphate dehydrogenase selectively modified by pyridoxal-5-phosphate. Vincenzini MT, et al. **Enzyme** 1986;36(4):239–46

Proteinase yscD mutants of yeast. Isolation and characterization. García-Alvarez N, et al. **Eur J Biochem** 1987 Mar 2;163(2):339–46

Nitrogen catabolite regulation of proline permease in Saccharomyces cerevisiae. Cloning of the PUT4 gene and study of PUT4 RNA levels in wild-type and mutant strains. Jauniaux JC, et al. **Eur J Biochem** 1987 May 4;164(3):601–6

The microheterogeneity of the crystallizable yeast cytoplasmic aspartyl-tRNA synthetase. Lorber B, et al. **Eur J Biochem** 1987 Jun 1;165(2):409–17

Hexokinase PII from Saccharomyces cerevisiae is regulated by changes in the cytosolic Mg2+-free ATP concentration. Moreno F, et al. **Eur J Biochem** 1986 Dec 15;161(3):565–9

Nucleotide sequence and characterization of the yeast PSS gene encoding phosphatidylserine synthase. Nikawa J, et al. **Eur J Biochem** 1987 Aug 17;167(1):7–12

Subunit II of yeast QH2:cytochrome-c oxidoreductase. Nucleotide sequence of the gene and features of the protein. Oudshoorn P, et al. **Eur J Biochem** 1987 Feb 16; 163(1):97–103

Transcription of the phosphoglycerate kinase gene of Saccharomyces cerevisiae increases when fermentative cultures are stressed by heat-shock. Piper PW, et al. **Eur J Biochem** 1986 Dec 15;161(3):525–31

Fructose 2-phosphate, an intermediate of the dephosphorylation of fructose 2,6-bisphosphate with a purified yeast enzyme. Purwin C, et al. **Eur J Biochem** 1987 Apr 1;164(1):27–30

Subcellular location of enzymes involved in the N-glycosylation and processing of asparagine-linked oligosaccharides in Saccharomyces cerevisiae. Tillmann U, et al. **Eur J Biochem** 1987 Feb 2;162(3):635–42

Isolation of the NPR1 gene responsible for the reactivation of ammonia-sensitive amino-acid permeases in Saccharomyces cerevisiae. RNA analysis and gene dosage effects. Vandenbol M, et al. **Eur J Biochem** 1987 May 4; 164(3):607–12

Subunit 4 of ATP synthase (F0F1) from yeast mitochondria. Purification, amino-acid composition and partial N-terminal sequence. Velours J, et al. **Eur J Biochem** 1987 May 4;164(3):579–84

Amino acid substitutions in subunit 9 of the mitochondrial ATPase complex of Saccharomyces cerevisiae. Sequence analysis of a series of revertants of an oli1 mit- mutant carrying an amino acid substitution in the hydrophilic loop of subunit 9. Willson TA, et al. **Eur J Biochem** 1987 Sep 1;167(2):291–7

Occurrence of thiaminase II in Saccharomyces cerevisiae. Kimura Y, et al. **Experientia** 1987 Aug 15;43(8):888–90

Yeast ribonuclease H(70) cleaves RNA-DNA junctions. Karwan R, et al. **FEBS Lett** 1986 Oct 6;206(2):189–92

Ca2+/calmodulin-dependent protein kinase in Saccharomyces cerevisiae. Londesborough J, et al. **FEBS Lett** 1987 Jul 13;219(1):249–53

Role of glycosylation in secretion of yeast acid phosphatase. Mrša V, et al. **FEBS Lett** 1987 Jun 15;217(2):174–9

Heterogeneous glycosylation of the EXG1 gene product accounts for the two extracellular exo-beta-glucanases of Saccharomyces cerevisiae. Nebreda AR, et al. **FEBS Lett** 1987 Aug 10;220(1):27–30

Studies on inorganic pyrophosphatase using imidodiphosphate as a substrate. Smirnova IN, et al. **FEBS Lett** 1986 Sep 29;206(1):121–4

Evidence for N coordination to Fe in the [2Fe-2S] center in yeast mitochondrial complex III. Comparison with similar findings for analogous bacterial [2Fe-2S] proteins. Telser J, et al. **FEBS Lett** 1987 Apr 6;214(1):117–21

Immunological cross-reactivity of fungal and yeast plasma membrane H+-ATPase. Vai M, et al. **FEBS Lett** 1986 Sep 29;206(1):135–41

Polyamines inhibit the yeast histone deacetylase. Vu QA, et al. **FEBS Lett** 1987 Aug 10;220(1):79–83

Some characteristics of hormone (pheromone) processing enzymes in yeast [published erratum appears in FEBS Lett 1987 Sep 14;221(2):433] Wagner JC, et al. **FEBS Lett** 1987 Jun 22;218(1):31–4

Hormone (pheromone) processing enzymes in yeast. The carboxy-terminal processing enzyme of the mating pheromone alpha-factor, carboxypeptidase ysc alpha, is absent in alpha-factor maturation-defective kex1 mutant cells. Wagner JC, et al. **FEBS Lett** 1987 Sep 14;221(2):423–6

Inactivation of yeast nucleotidyl transferase and its effect on the integrity of the aminoacid acceptor end of transfer RNA. del Rio JM, et al. **Int J Biochem** 1987;19(2):127–31

Quantitative structure activity relationship studies on the activation of yeast AMP deaminase by polyamines. Yoshino M, et al. **Int J Biochem** 1987;19(2):209–11

Apurinic endonucleases from Saccharomyces cerevisiae also recognize urea residues in oxidized DNA. Chang CC, et al. **J Bacteriol** 1987 Jan;169(1):180–3

Growth-rate-dependent regulation of the expression and inactivation of thymidylate synthase in Saccharomyces cerevisiae. Greenwood MT, et al. **J Bacteriol** 1986 Dec; 168(3):1336–42

Regulation of phosphatidylserine synthase from Saccharomyces cerevisiae by phospholipid precursors. Poole MA, et al. **J Bacteriol** 1986 Nov;168(2):668–72

Purification and properties of saccharopine dehydrogenase (glutamate forming) in the Saccharomyces cerevisiae lysine biosynthetic pathway. Storts DR, et al. **J Bacteriol** 1987 Jan;169(1):416–8

Partial purification and some properties of homoserine O-acetyltransferase of a methionine auxotroph of Saccharomyces cerevisiae. Yamagata S. **J Bacteriol** 1987 Aug;169(8):3458–63

Metabolism of 32-hydroxy-24,25-dihydrolanosterol by purified cytochrome P-45014DM from yeast. Evidence for contribution of the cytochrome to whole process of lanosterol 14 alpha-demethylation. Aoyama Y, et al. **J Biol Chem** 1987 Jan 25;262(3):1239–43

The interaction of yeast citrate synthase with yeast mitochondrial inner membranes. Brent LG, et al. **J Biol Chem** 1987 Jan 5;262(1):319–25

Crucial role of the connecting region joining the two functional domains of yeast tryptophan synthetase. Crawford IP, et al. **J Biol Chem** 1987 Jan 5;262(1):239–44

Structure, assembly, and secretion of octameric invertase. Esmon PC, et al. **J Biol Chem** 1987 Mar 25;262(9):4387–94

Construction of a synthetic Holliday junction analog and characterization of its interaction with a Saccharomyces cerevisiae endonuclease that cleaves Holliday junctions. Evans DH, et al. **J Biol Chem** 1987 Jul 5;262(19):9160–5

The gene and the primary structure of ornithine decarboxylase from Saccharomyces cerevisiae. Fonzi WA, et al. **J Biol Chem** 1987 Jul 25;262(21):10127–33

Kinetic characterization of yeast alcohol dehydrogenases.

Amino acid residue 294 and substrate specificity. Ganzhorn AJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3754–61

The peroxide complex of yeast cytochrome c peroxidase contains two distinct radical species, neither of which resides at methionine 172 or tryptophan 51. Goodin DB, et al. **J Biol Chem** 1987 Jun 5;262(16):7719–24

Adenylyl cyclase in yeast. Hydrodynamic properties and activation by trypsin. Heideman W, et al. **J Biol Chem** 1987 May 25;262(15):7087–91

Replacement of the invariant lysine 77 by arginine in yeast iso-1-cytochrome c results in enhanced and normal activities in vitro and in vivo. Holzschu D, et al. **J Biol Chem** 1987 May 25;262(15):7125–31

Phosphorylated fructose-1,6-bisphosphatase dephosphorylating protein phosphatase from Saccharomyces cerevisiae. Horn D, et al. **J Biol Chem** 1987 Feb 15;262(5):2056–61

Reconstitution of Saccharomyces cerevisiae phosphatidylserine synthase into phospholipid vesicles. Modulation of activity by phospholipids. Hromy JM, et al. **J Biol Chem** 1986 Nov 25;261(33):15572–6

Amino-terminal deletions in the presequence of an imported mitochondrial protein block the targeting function and proteolytic cleavage of the presequence at the carboxy terminus. Hurt EC, et al. **J Biol Chem** 1987 Jan 25; 262(3):1420–4

Messenger RNA guanylyltransferase from Saccharomyces cerevisiae. Large scale purification, subunit functions, and subcellular localization. Itoh N, et al. **J Biol Chem** 1987 Feb 15;262(5):1989–95

Subunit VII, the ubiquinone-binding protein, of the cytochrome b-c1 complex of yeast mitochondria is involved in electron transport at center o and faces the matrix side of the membrane. Japa S, et al. **J Biol Chem** 1987 Apr 25;262(12):5441–4

Structure of the yeast valyl-tRNA synthetase gene (VASI) and the homology of its translated amino acid sequence with Escherichia coli isoleucyl-tRNA synthetase. Jordana X, et al. **J Biol Chem** 1987 May 25;262(15):7189–94

The kinetics of reduction of yeast complex III by a substrate analog. Kauten R, et al. **J Biol Chem** 1987 Jun 25; 262(18):8658–67

Isolation and nucleotide sequence of a Saccharomyces cerevisiae protein kinase gene suppressing the cell cycle start mutation cdc25. Lisziewicz J, et al. **J Biol Chem** 1987 Feb 25;262(6):2549–53

Construction and analysis of deletions in the amino-terminal extension of glutamine tRNA synthetase of Saccharomyces cerevisiae. Ludmerer SW, et al. **J Biol Chem** 1987 Aug 5;262(22):10807–13

Gene for yeast glutamine tRNA synthetase encodes a large amino-terminal extension and provides a strong confirmation of the signature sequence for a group of the aminoacyl-tRNA synthetases. Ludmerer SW, et al. **J Biol Chem** 1987 Aug 5;262(22):10801–6

Carbon isotope effects on the pyruvate dehydrogenase reaction and their importance for relative carbon-13 depletion in lipids. Melzer E, et al. **J Biol Chem** 1987 Jun 15;262(17):8159–64

Initiation by the yeast viral transcriptase in vitro. Nemeroff ME, et al. **J Biol Chem** 1987 May 15;262(14):6785–7

Two chitin synthases in Saccharomyces cerevisiae. Orlean P. **J Biol Chem** 1987 Apr 25;262(12):5732–9

Substrate specificity of acetyl coenzyme A synthetase. Patel SS, et al. **J Biol Chem** 1987 May 25;262(15):7132–4

Identification of structurally distinct catalytic intermediates of the H+-ATPase from yeast plasma membranes. Perlin DS, et al. **J Biol Chem** 1987 May 15;262(14):6788–94

Phosphorylation in vivo of yeast (Saccharomyces cerevisiae) fructose-1,6-bisphosphatase at the cyclic AMP-dependent site. Rittenhouse J, et al. **J Biol Chem** 1987 Jul 25; 262(21):10114–9

Chitin synthetase 2, a presumptive participant in septum formation in Saccharomyces cerevisiae. Sburlati A, et al. **J Biol Chem** 1986 Nov 15;261(32):15147–52

Specificity factor of yeast mitochondrial RNA polymerase. Purification and interaction with core RNA polymerase. Schinkel AH, et al. **J Biol Chem** 1987 Sep 15; 262(26):12785–91

Effect of glycosylation on yeast invertase oligomer stability. Tammi M, et al. **J Biol Chem** 1987 Mar 25;262(9):4395–401

Molecular characterization of the cell cycle-regulated thymidylate synthase gene of Saccharomyces cerevisiae. Taylor GR, et al. **J Biol Chem** 1987 Apr 15; 262(11):5298–307

Amino-terminal processing of proteins by N-myristoylation. Substrate specificity of N-myristoyl transferase. Towler DA, et al. **J Biol Chem** 1987 Jan 25;262(3):1030–6

The kinetics of reoxidation of yeast complex III. An evaluation of the Q-cycle. Tsai AL, et al. **J Biol Chem** 1987 Jun 25;262(18):8677–84

Purification and properties of a nuclease from Saccharomyces cerevisiae that cleaves DNA at cruciform junctions. West SC, et al. **J Biol Chem** 1987 Sep 15;262(26):12752–8

Mitochondrial and cytoplasmic fumarases in Saccharomyces cerevisiae are encoded by a single nuclear gene FUM1. Wu M, et al. **J Biol Chem** 1987 Sep 5;262(25):12275–82

Purification and characterization of nicotinamide deamidase from yeast. Yan C, et al. **J Biol Chem** 1987 Jul 5; 262(19):9082–7

Yeast cytochrome c peroxidase. Coordination and spin states of heme prosthetic group. Yonetani T, et al. **J Biol Chem** 1987 Jul 15;262(20):9547–54

Deficiency of uncoupler-stimulated adenosine triphosphatase activity in yeast mitochondria. Ezzahid Z, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1153–8

Immunolocalization of glyceraldehyde-3-phosphate dehydrogenase, hexokinase, and carboxypeptidase Y in yeast cells at the ultrastructural level. van Tuinen E, et al. **J Histochem Cytochem** 1987 Mar;35(3):327–33

Activation of hypoxanthine/guanine phosphoribosyltransferase from yeast by divalent zinc and nickel ions. Ali LZ, et al. **J Inorg Biochem** 1986 Dec; 28(4):407–15

Fungal 1,3-beta-glucan synthase. Cabib E, et al. **Methods Enzymol** 1987;138:637–42

Chitin synthase from Saccharomyces cerevisiae. Cabib E, et al. **Methods Enzymol** 1987;138:643–9

Purified Saccharomyces cerevisiae RNA polymerase II interacts homologously with two different promoters as revealed by P1 endonuclease analysis. Camilloni G, et al. **MGG** 1986 Aug;204(2):249–57

Compartmental and regulatory mechanisms in the arginine pathways of Neurospora crassa and Saccharomyces cerevisiae. Davis RH. **Microbiol Rev** 1986 Sep; 50(3):280–313 (262 ref.)

Guanine nucleotide activation of, and competition between, RAS proteins from Saccharomyces cerevisiae. Field J, et al. **Mol Cell Biol** 1987 Jun;7(6):2128–33

Substrate recognition and identification of splice sites by the tRNA-splicing endonuclease and ligase from Saccharomyces cerevisiae. Greer CL, et al. **Mol Cell Biol** 1987 Jan;7(1):76–84

RNase P activity in the mitochondria of Saccharomyces cerevisiae depends on both mitochondrion and nucleus-encoded components. Hollingsworth MJ, et al. **Mol Cell Biol** 1986 Apr;6(4):1058–64

Secretion-defective mutations in the signal sequence for Saccharomyces cerevisiae invertase. Kaiser CA, et al. **Mol Cell Biol** 1986 Jul;6(7):2382–91

Post-translational processing of urea amidolyase in Saccharomyces cerevisiae. Sumrada RA, et al. **Mol Cell Biol** 1982 Jul;2(7):800–4

Enzyme-substitution therapy with the yeast Saccharomyces cerevisiae in congenital sucrase-isomaltase deficiency. Harms HK, et al. **N Engl J Med** 1987 May 21; 316(21):1306–9

Purification of the FLP site-specific recombinase by affinity chromatography and re-examination of basic properties of the system. Meyer-Leon L, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6469–88

Intrinsic ATPase activity of yeast peptide chain elongation factor 3(EF-3) and its direct interaction with various nucleotides. Miyazaki M, et al. **Nucleic Acids Symp Ser** 1986;(17):171–4

A protein kinase antigenically related to pp60v-src possibly involved in yeast cell cycle control: positive in vivo regulation by sterol. Dahl C, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4012–6

Amino-terminal extension generated from an upstream AUG codon is not required for mitochondrial import of yeast N2,N2-dimethylguanosine-specific tRNA methyltransferase. Ellis SR, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5172–6

Two yeast genes that encode unusual protein kinases. Levin DE, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6035–9

Cloning and characterization of the high-affinity cAMP phosphodiesterase of Saccharomyces cerevisiae. Sass P, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9303–7

Purification and characterization of yeast myristoyl CoA:protein N-myristoyltransferase. Towler DA, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2708–12

Three-dimensional structure of flavocytochrome b2 from baker's yeast at 3.0-A resolution. Xia ZX, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2629–33

Polypeptide-dependent protein kinase from bakers' yeast. Yanagita Y, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(4):925–9

Structure and function in yeast alcohol dehydrogenases. Plapp BV, et al. **Prog Clin Biol Res** 1987;232:227–36

Yeast KEX2 protease has the properties of a human proalbumin converting enzyme. Bathurst IC, et al. **Science** 1987 Jan 16;235(4786):348–50

[A stepwise method of evaluating sugar substitutes—a preliminary study using enzymes. 1. Alpha-glucosidase from yeast] Siebert G, et al. **Z Ernahrungswiss** 1986 Dec; 25(4):242–7 (Eng. Abstr.) **(Ger)**

[A stepwise method of evaluating sugar substitutes—a preliminary study using enzymes. 2. Beta-fructosidase from yeast] Ziesenitz SC. **Z Ernahrungswiss** 1986 Dec; 25(4):248–52 (Eng. Abstr.) **(Ger)**

[Comparative study of glyceraldehyde-3-phosphate dehydrogenases isolated from rabbit skeletal muscles and baker's yeast using cationic fluorescent probes] Klichko VI, et al. **Biokhimiia** 1986 Sep;51(9):1465–75 (Eng. Abstr.) **(Rus)**

[Fluorimetric study of immobilized yeast D-glyceraldehyde-3-phosphatase and its subunits. Binding of NAD+] Muronets VI, et al. **Doki Akad Nauk SSSR** 1987;293(3):732–6 **(Rus)**

[Degradation of ribonucleic acids in yeast cells during desiccation] Rapoport AI, et al. **Mikrobiologiia** 1986 Sep-Oct;55(5):855–7 (Eng. Abstr.) **(Rus)**

[Formation of secreted acid phosphatase during the growth of Saccharomyces cerevisiae yeasts on different sources of carbon and nitrogen nutrition] Semenova IN, et al. **Mikrobiologiia** 1986 Sep-Oct;55(5):796–9 (Eng. Abstr.) **(Rus)**

GENETICS

5S rRNA genes from Aspergillus nidulans are not transcribed in Saccharomyces cerevisiae. Bartnik E, et al. **Acta Microbiol Pol** 1986;35(3–4):221–5

The early days of yeast genetics: a personal narrative. Roman H. **Annu Rev Genet** 1986;20:1–12

Effects of bile acids on the mutagenicity and recombinogenicity of triethylene melamine in yeast strains MP1 and D61.M. Fahrig R. **Arch Toxicol** 1987; 60(1–3):192–7

The detection of chemical impurities by high pressure liquid chromatography and the genetic activity of medical grades of pyrvinium pamoate in Saccharomyces cerevisiae and Salmonella typhimurium. Hennig UG, et al. **Arch Toxicol** 1987 Jun;60(4):278–86

Site-specific recombination of the yeast plasmid two-micron circle: intermediates in the binding process. Andrews BJ, et al. **Basic Life Sci** 1986;40:407–24

Mobile elements in the yeast mitochondrial genome. Butow RA, et al. **Basic Life Sci** 1986;40:29–37

Yeast DNA replication. Campbell JL, et al. **Basic Life Sci** 1986;40:463–78

Mitochondrial introns as mobile genetic elements: the role of intron-encoded proteins. Dujon B, et al. **Basic Life Sci** 1986;40:5–27

Nucleotide excision repair genes from the yeast Saccharomyces cerevisiae. Friedberg EC, et al. **Basic Life Sci** 1986;39:231–42

Sequence of the M1-2 region of killer virus double-stranded RNA. Georgopoulos DE, et al. **Basic Life Sci** 1986; 40:203–13

Regulation of the yeast CYC1 gene. Guarente LP. **Basic Life Sci** 1986;40:513–8

Molecular characterization of chromosomal genes affecting double-stranded RNA replication in Saccharomyces cerevisiae. Icho T, et al. **Basic Life Sci** 1986;40:165–71

The replication of double-stranded RNA. Newman AM, et al. **Basic Life Sci** 1986;40:173–87

Structural studies on centromeres in the yeast Saccharomyces cerevisiae. Ng R, et al. **Basic Life Sci** 1986;40:479–92

Mitochondrial gene expression in yeast: further studies of a self-splicing group II intron. Perlman PS, et al. **Basic Life Sci** 1986;40:39–55

Control of yeast gene expression by transposable elements. Roeder GS, et al. **Basic Life Sci** 1986;40:545–55

Site-specific recombination promoted in vitro by the FLP protein of the yeast two-micron plasmid. Senecoff JF, et al. **Basic Life Sci** 1986;40:397–405

Translation, post-translational processing, and mitochondrial translocation of yeast iso-1-cytochrome c. Sherman F. **Basic Life Sci** 1986;40:533–44

Analysis and utilization of the preprotoxin gene encoded in the M1 double-stranded RNA of yeast. Skipper N. **Basic Life Sci** 1986;40:215–26

Gene cloning and mutant isolation of subunits of RNA polymerases in the yeast Saccharomyces cerevisiae. Thuriaux P, et al. **Basic Life Sci** 1986;40:519–31

Host factors in nuclear plasmid maintenance in Saccharomyces cerevisiae. Tye BK, et al. **Basic Life Sci** 1986;40:499–510

Survival strategies of the yeast plasmid two-micron circle. Volkert FC, et al. **Basic Life Sci** 1986;40:375–96

Overview of double-stranded RNA replication in Saccharomyces cerevisiae. Wickner RB, et al. **Basic Life Sci** 1986;40:149–63

Distribution of telomere-associated sequences in yeast. Zakian VA, et al. **Basic Life Sci** 1986;40:493–8

Translational regulation of the expression of zein cloned in yeast under an inducible GAL promoter. Compagno C, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):809–14

Synthesis in yeast of hepatitis B virus surface antigen modified P31 particles by gene modification. Itoh Y, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):942–8

Evidence for the involvement of a single major species of replicative complex in DNA synthesis from two diverse nuclear replicons in yeast. Jazwinski SM. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1053–8

Yeast pyruvate carboxylase: gene isolation. Morris CP, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):390–6

Reversion of 7-methylguanosine 5'-phosphate inhibition of mRNA translation by polysomal and soluble factors isolated from Saccharomyces cerevisiae. Parets Suler A, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1093–101

A novel yeast secretion vector utilizing secretion signal of killer toxin encoded on the yeast linear DNA plasmid pGKL1. Tokunaga M, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):613–9

Selection by genetic complementation and characterization of the gene coding for the yeast porphobilinogen deaminase. Gellerfors PL, et al. **Biochem J** 1986 Dec 15; 240(3):673–7

Specific substitution into the anticodon loop of yeast tyrosine transfer RNA. Bare LA, et al. **Biochemistry** 1986 Sep 23; 25(19):5825–30

Anticodon loop of tRNAPhe: structure, dynamics, and Mg2+ binding. Bujalowski W, et al. **Biochemistry** 1986 Oct 21;25(21):6365–71

Codon–induced association of the isolated anticodon loop of tRNAPhe. Bujalowski W, et al. **Biochemistry** 1986 Oct 21;25(21):6372–8

Yeast cytochrome c peroxidase: mutagenesis and expression in Escherichia coli show tryptophan–51 is not the radical site in compound I. Fishel LA, et al. **Biochemistry** 1987 Jan 27;26(2):351–60

Folding/unfolding kinetics of mutant forms of iso–1–cytochrome c with replacement of proline–71. Ramdas L, et al. **Biochemistry** 1986 Nov 4;25(22):6959–64

Restrained refinement of the monoclinic form of yeast phenylalanine transfer RNA. Temperature factors and dynamics, coordinated waters, and base–pair propeller twist angles. Westhof E, et al. **Biochemistry** 1986 Aug 26; 25(17):4868–78

Structure and activities of a variant ubiquitin sequence from bakers' yeast. Wilkinson KD, et al. **Biochemistry** 1986 Sep 9;25(18):4999–5004

Assembly of the mitochondrial ribosomes in a temperature–conditional mutant of Saccharomyces cerevisiae defective in the synthesis of the var1 protein. Hibbs AR, et al. **Biochim Biophys Acta** 1987 Feb 27; 908(2):179–87

Effects of a missense exonic mutation in cytochrome b gene, observed on isolated mitochondrial complex III of Saccharomyces cerevisiae: consequence for the antimycin binding site. Chevillotte–Brivet P, et al. **Biochimie** 1987 Jan;69(1):25–36

The yeast Ty element: recent advances in the study of a model retro–element. Adams SE, et al. **Bioessays** 1987 Jul; 7(1):3–9 (67 ref.)

Structural analysis of a yeast centromere. Bloom K, et al. **Bioessays** 1986 Mar;4(3):100–4 (30 ref.)

Multiple levels of gene regulation in the control of amino acid biosynthesis in Saccharomyces cerevisiae [published erratum appears in Bioessays 1986 Nov;5(5):236] Hinnebusch AG. **Bioessays** 1986 Aug;5(2):57–62

Genetics of calcium–binding proteins in yeasts. Hughes D, et al. **Bioessays** 1987 May;6(5):229–31

The control of transcription in Saccharomyces cerevisiae. Stanway C, et al. **Bioessays** 1987 Aug;7(2):62–7 (65 ref.)

Oncogene homologues in yeast. Wheals AE. **Bioessays** 1985 Sep;3(3):108–12

Enhancer–like stimulation of yeast tRNA gene expression by a defined region of the Ty element micro–injected into Xenopus oocytes. Hauber J, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1141–6

The functions and relationships of Ty–VLP proteins in yeast reflect those of mammalian retroviral proteins. Adams SE, et al. **Cell** 1987 Apr 10;49(1):111–9

U2 RNA from yeast is unexpectedly large and contains homology to vertebrate U4, U5, and U6 small nuclear RNAs. Ares M Jr. **Cell** 1986 Oct 10;47(1):49–59

MAT alpha 1 protein, a yeast transcription activator, binds synergistically with a second protein to a set of cell–type–specific genes. Bender A, et al. **Cell** 1987 Aug 28;50(5):681–91

Cell cycle control of the yeast HO gene: cis– and trans–acting regulators. Breeden L, et al. **Cell** 1987 Feb 13;48(3):389–97

The S. cerevisiae CDC25 gene product regulates the RAS/adenylate cyclase pathway. Broek D, et al. **Cell** 1987 Mar 13;48(5):789–99

Distinguishing between mechanisms of eukaryotic transcriptional activation with bacteriophage T7 RNA polymerase. Chen W, et al. **Cell** 1987 Sep 25;50(7):1047–55

Isolation of the yeast calmodulin gene: calmodulin is an essential protein. Davis TN, et al. **Cell** 1986 Nov 7; 47(3):423–31

The yeast SCG1 gene: a G alpha–like protein implicated in the a– and alpha–factor response pathway. Dietzel C, et al. **Cell** 1987 Sep 25;50(7):1001–10

Yeast KEX1 gene encodes a putative protease with a carboxypeptidase B–like function involved in killer toxin and alpha–factor precursor processing. Dmochowska A, et al. **Cell** 1987 Aug 14;50(4):573–84

Identification of p34 and p13, human homologs of the cell cycle regulators of fission yeast encoded by cdc2+ and suc1+. Draetta G, et al. **Cell** 1987 Jul 17;50(2):319–25

The yeast polyubiquitin gene is essential for resistance to high temperatures, starvation, and other stresses. Finley D, et al. **Cell** 1987 Mar 27;48(6):1035–46

Conservation of a receptor/signal transduction system. Herskowitz I, et al. **Cell** 1987 Sep 25;50(7):995–6

Functional dissection of a eukaryotic transcriptional activator protein, GCN4 of yeast. Hope IA, et al. **Cell** 1986 Sep 12;46(6):885–94

Distinct sequence determinants direct intracellular sorting and modification of a yeast vacuolar protease. Johnson LM, et al. **Cell** 1987 Mar 13;48(5):875–85

Interaction of positive and negative regulatory proteins in the galactose regulon of yeast. Johnston SA, et al. **Cell** 1987 Jul 3;50(1):143–6

Determination of the yeast cell lineage. Klar AJ. **Cell** 1987 May 22;49(4):433–5

A genetic analysis of dicentric minichromosomes in Saccharomyces cerevisiae. Koshland D, et al. **Cell** 1987 Mar 13;48(5):801–12

S. cerevisiae U1 RNA is large and has limited primary sequence homology to metazoan U1 snRNA. Kretzner L, et al. **Cell** 1987 Aug 14;50(4):593–602

A yeast operator overlaps an upstream activation site. Kronstad JW, et al. **Cell** 1987 Jul 31;50(3):369–77

The yeast RNA gene products are essential for mRNA splicing in vitro. Lustig AJ, et al. **Cell** 1986 Dec 26; 47(6):953–63

The carboxy–terminal 30 amino acids of GAL4 are recognized by GAL80. Ma J, et al. **Cell** 1987 Jul 3; 50(1):137–42

Deletion analysis of GAL4 defines two transcriptional activating segments. Ma J, et al. **Cell** 1987 Mar 13; 48(5):847–53

GPA1, a haploid–specific essential gene, encodes a yeast homolog of mammalian G protein which may be ...volved in mating factor signal transduction. Miyajima I, et al. **Cell** 1987 Sep 25;50(7):1011–9

Cell cycle regulation of SW15 is required for mother–cell–specific HO transcription in yeast. Nasmyth K, et al. **Cell** 1987 May 22;49(4):549–58

Both positive and negative regulators of HO transcription are required for mother–cell–specific mating–type switching in yeast. Nasmyth K, et al. **Cell** 1987 Feb 27; 48(4):579–87

Recognition of the TACTAAC box during mRNA splicing in yeast involves base pairing to the U2–like snRNA. Parker R, et al. **Cell** 1987 Apr 24;49(2):229–39

An essential yeast snRNA with a U5–like domain is required for splicing in vivo. Patterson B, et al. **Cell** 1987 Jun 5; 49(5):613–24

Yeast HAP1 activator binds to two upstream activation sites of different sequence. Pfeifer K, et al. **Cell** 1987 Apr 10; 49(1):19–27

Yeast HAP1 activator competes with the factor RC2 for binding to the upstream activation site UAS1 of the CYC1 gene. Pfeifer K, et al. **Cell** 1987 Apr 10;49(1):9–18

RAM, a gene of yeast required for a functional modification of RAS proteins and for production of mating pheromone a–factor. Powers S, et al. **Cell** 1986 Nov 7;47(3):413–22

KAR1, a gene required for function of both intranuclear and extranuclear microtubules in yeast. Rose MD, et al. **Cell** 1987 Mar 27;48(6):1047–60

Protein sorting in yeast: mutants defective in vacuole biogenesis mislocalize vacuolar proteins into the late secretory pathway. Rothman JH, et al. **Cell** 1986 Dec 26; 47(6):1041–51

A ras–like protein is required for a post–Golgi event in yeast secretion. Salminen A, et al. **Cell** 1987 May 22;49(4):527–38

An essential snRNA from S. cerevisiae has properties predicted for U4, including interaction with a U6–like snRNA. Siliciano PG, et al. **Cell** 1987 Aug 14;50(4):585–92

Activation of the yeast HO gene by release from multiple negative controls. Sternberg PW, et al. **Cell** 1987 Feb 27; 48(4):567–77

Promoters, activator proteins, and the mechanism of transcriptional initiation in yeast. Struhl K. **Cell** 1987 May 8;49(3):295–7

Three different genes in S. cerevisiae encode the catalytic subunits of the cAMP–dependent protein kinase. Toda T, et al. **Cell** 1987 Jul 17;50(2):277–87

Protein sorting in yeast: the localization determinant of yeast vacuolar carboxypeptidase Y resides in the propeptide. Valls LA, et al. **Cell** 1987 Mar 13;48(5):887–97

Recombination–stimulating sequences in yeast ribosomal DNA correspond to sequences regulating transcription by RNA polymerase I. Voelkel–Meiman K, et al. **Cell** 1987 Mar 27;48(6):1071–9

Resistance to antimycin A in yeast by amplification of ADH4 on a linear, 42 kb palindromic plasmid. Walton JD, et al. **Cell** 1986 Sep 12;46(6):857–63

The leader peptide of yeast gene CPA1 is essential for the translational repression of its expression. Werner M, et al. **Cell** 1987 Jun 19;49(6):805–13

The Saccharomyces and Drosophila heat shock transcription factors are identical in size and DNA binding properties. Wiederrecht G, et al. **Cell** 1987 Feb 13;48(3):507–15

The general control of amino acid biosynthetic genes in the yeast Saccharomyces cerevisiae. Hinnebusch AG. **CRC Crit Rev Biochem** 1986;21(3):277–317 (111 ref.)

Construction of expression vectors for the production of interferons in yeast. Devenish RJ, et al. **Dev Biol Stand** 1987;67:185–99

Improved secretion of heterologous proteins by Saccharomyces cerevisiae: effects of promoter substitution in alpha–factor fusions. Ernst JF. **DNA** 1986 Dec; 5(6):483–91

Nuclease hypersensitive regions with adjacent positioned nucleosomes mark the gene boundaries of the PHO5/PHO3 locus in yeast. Almer A, et al. **EMBO J** 1986 Oct; 5(10):2681–7

Removal of positioned nucleosomes from the yeast PHO5 promoter upon PHO5 induction releases additional upstream activating DNA elements. Almer A, et al. **EMBO J** 1986 Oct;5(10):2689–96

A novel leader peptide which allows efficient secretion of a fragment of human interleukin 1 beta in Saccharomyces cerevisiae. Baldari C, et al. **EMBO J** 1987 Jan;6(1):229–34

Efficient splicing of two yeast mitochondrial introns controlled by a nuclear–encoded maturase. Banroques J, et al. **EMBO J** 1987 Apr;6(4):1085–91

At least two nuclear gene products are specifically required for translation of a single yeast mitochondrial mRNA. Costanzo MC, et al. **EMBO J** 1986 Dec 20;5(13):3637–41

Suppression of defective RAS1 and RAS2 functions in yeast by an adenylate cyclase activated by a single amino acid change. De Vendittis E, et al. **EMBO J** 1986 Dec 20; 5(13):3657–63

A yeast mutant lacking mitochondrial porin is respiratory–deficient, but can recover respiration with simultaneous accumulation of an 86–kd extramitochondrial protein. Dihanich M, et al. **EMBO J** 1987 Mar;6(3):723–8

Identification and sequence of the gene encoding cytochrome c heme lyase in the yeast Saccharomyces cerevisiae. Dumont ME, et al. **EMBO J** 1987 Jan;6(1):235–41

Cloning and sequencing of the PIF gene involved in repair and recombination of yeast mitochondrial DNA. Foury F, et al. **EMBO J** 1987 May;6(5):1441–9

A novel yeast mutant defective in the processing of ras proteins: assessment of the effect of the mutation on processing steps. Fujiyama A. et al. **EMBO J** 1987 Jan; 6(1):223–8

Yeast mitochondrial ATPase subunit 8, normally a mitochondrial gene product, expressed in vitro and imported back into the organelle. Gearing DP, et al. **EMBO J** 1986 Dec 20;5(13):3651–5

Three suppressor mutations which cure a mitochondrial RNA maturase deficiency occur at the same codon in the open reading frame of the nuclear NAM2 gene. Labouesse M, et al. **EMBO J** 1987 Mar;6(3):713–21

Yeast DNA polymerase—DNA primase complex; cloning of PRI 1, a single essential gene related to DNA primase activity. Lucchini G, et al. **EMBO J** 1987 Mar;6(3):737–42

The yeast ubiquitin genes: a family of natural gene fusions. Ozkaynak E, et al. **EMBO J** 1987 May;6(5):1429–39

Differential nuclease sensitivity identifies tight contacts between yeast pre–mRNA and spliceosomes. Rymond BC, et al. **EMBO J** 1986 Dec 20;5(13):3517–23

KIN28, a yeast split gene coding for a putative protein kinase homologous to CDC28. Simon M, et al. **EMBO J** 1986 Oct;5(10):2697–701

Mapping of functional domains within the Saccharomyces cerevisiae type 1 killer preprotoxin. Sturley SL, et al. **EMBO J** 1986 Dec 1;5(12):3381–9

The nucleotide sequence of the fission yeast DNA topoisomerase II gene: structural and functional relationships to other DNA topoisomerases. Uemura T, et al. **EMBO J** 1986 Sep;5(9):2355–61

Self–splicing of a group II intron in yeast mitochondria: dependence on 5' exon sequences. van der Veen R, et al. **EMBO J** 1987 Apr;6(4):1079–84

Targeting efficiency of a mitochondrial pre–sequence is dependent on the passenger protein. Van Steeg H, et al. **EMBO J** 1986 Dec 20;5(13):3643–50

Independent mutations at the amino terminus of a protein act as surrogate signals for mitochondrial import. Vassarotti A, et al. **EMBO J** 1987 Mar;6(3):705–11

Specific binding of TUF factor to upstream activation sites of yeast ribosomal protein genes. Vignais ML, et al. **EMBO J** 1987 May;6(5):1451–7

Molecular characterization of transposable–element–associated mutations that lead to constitutive L–ornithine aminotransferase expression in Saccharomyces cerevisiae. Degols G, et al. **Eur J Biochem** 1987 Jun 1;165(2):289–96

Nucleotide sequence of the Saccharomyces cerevisiae CTT1 gene and deduced amino–acid sequence of yeast catalase T. Hartig A, et al. **Eur J Biochem** 1986 Nov 3;160(3):487–90

Nucleotide sequence of the ARG3 gene of the yeast Saccharomyces cerevisiae encoding ornithine carbamoyltransferase. Comparison with other carbamoyltransferases. Huygen R, et al. **Eur J Biochem** 1987 Jul 15;166(2):371–7

A nuclear mutation affecting mitochondrial transcription in Saccharomyces cerevisiae. Lisowsky T, et al. **Eur J Biochem** 1987 May 4;164(3):559–63

Nucleotide sequence of the gene encoding the 11–kDa subunit of the ubiquinol–cytochrome–c oxidoreductase in Saccharomyces cerevisiae. Maarse AC, et al. **Eur J Biochem** 1987 Jun 1;165(2):419–25

The CDC8 transcript is cell cycle regulated in yeast and is expressed coordinately with CDC9 and CDC21 at a point preceding histone transcription. White JH, et al. **Exp Cell Res** 1987 Jul;171(1):223–31

DNA sequence analysis of diuron–resistant mutations in the mitochondrial cytochrome b gene of Saccharomyces cerevisiae. di Rago JP, et al. **FEBS Lett** 1986 Nov 24; 208(2):208–10

Amino acid substitutions in mitochondrial ATPase subunit 6 of Saccharomyces cerevisiae leading to oligomycin resistance. John UP, et al. **FEBS Lett** 1986 Oct 20; 207(1):79–83

Localization of possible functional domains in sup2 gene product of the yeast Saccharomyces cerevisiae. Kushnirov VV, et al. **FEBS Lett** 1987 May 11;215(2):257–60

A TY1 element is inserted in the CYR1 control region of Saccharomyces cerevisiae strain AB320. Lenzen G, et al. **FEBS Lett** 1987 Jul 13;219(1):254–8

The secretion of glucagon by transformed yeast strains. Moody AJ, et al. **FEBS Lett** 1987 Feb 23;212(2):302–6

Saccharomyces cerevisiae mRNA populations of different intrinsic stability in unstressed and heat shocked cells display almost constant m7GpppA:m7GpppG 5'–cap structure ratios. Piper PW, et al. **FEBS Lett** 1987 Aug 10; 220(1):177–80

Expression of cytochrome P–450d by Saccharomyces

cerevisiae. Shimizu T, et al. **FEBS Lett** 1986 Oct 27; 207(2):217–21

Absence of structural homology between sup1 and sup2 genes of yeast Saccharomyces cerevisiae and identification of their transcripts. Surguchov AP, et al. **FEBS Lett** 1986 Sep 29;206(1):147–50

Secretion of human insulin by a transformed yeast cell. Thim L, et al. **FEBS Lett** 1987 Feb 23;212(2):307–12

A linear shuttle vector for yeast and the hypotrichous ciliate Stylonychia. Ascenzioni F, et al. **Gene** 1986;46(1):123–6

Molecular cloning and regulation of the expression of the MET2 gene of Saccharomyces cerevisiae. Baroni M, et al. **Gene** 1986;46(1):71–8

The mapping of chromosomes in Saccharomyces cerevisiae. I. A cosmid vector designed to establish, by cloning into cdc-mutants, numerous start loci for chromosome walking in the yeast genome. Breter HJ, et al. **Gene** 1987; 53(2–3):181–90

Molecular cloning and characterization of the MET6 gene of Saccharomyces cerevisiae. Csaikl U, et al. **Gene** 1986; 46(2–3):207–14

Characterisation of an mRNA encoding a human ribosomal protein homologous to the yeast L44 ribosomal protein. Davies MS, et al. **Gene** 1986;45(2):183–91

Expression of the hepatitis B virus large envelope protein in Saccharomyces cerevisiae. Dehoux P, et al. **Gene** 1986; 48(1):155–63

The AT spacers and the var1 genes from the mitochondrial genomes of Saccharomyces cerevisiae and Torulopsis glabrata: evolutionary origin and mechanism of formation. de Zamaroczy M, et al. **Gene** 1987;54(1):1–22

The primary structure of the mitochondrial genome of Saccharomyces cerevisiae—a review. de Zamaroczy M, et al. **Gene** 1986;47(2–3):155–77 (63 ref.)

Construction of LYS2 cartridges for use in genetic manipulations of Saccharomyces cerevisiae. Fleig UN, et al. **Gene** 1986;46(2–3):237–45

Regulation of the yeast metallothionein gene. Gorman JA, et al. **Gene** 1986;48(1):13–22

Sequence and expression characteristics of a shuttle chloramphenicol-resistance marker for Saccharomyces cerevisiae and Escherichia coli. Hadfield C, et al. **Gene** 1987;52(1):59–70

An efficient chloramphenicol-resistance marker for Saccharomyces cerevisiae and Escherichia coli. Hadfield C, et al. **Gene** 1986;45(2):149–58

Direct identification of small sequence changes in chromosomal DNA. Huibregtse JM, et al. **Gene** 1986; 44(1):151–8

Translation of homologous and heterologous messenger RNAs in a yeast cell-free system. Hussain I, et al. **Gene** 1986;46(1):13–23

Isolation of a cytochrome P-450 structural gene from Saccharomyces cerevisiae. Kalb VF, et al. **Gene** 1986; 45(3):237–45

Unusually high-level expression of a foreign gene (hepatitis B virus core antigen) in Saccharomyces cerevisiae. Kniskern PJ, et al. **Gene** 1986;46(1):135–41

Expression of human T-cell leukemia virus type I envelope protein in Saccharomyces cerevisiae. Kuga T, et al. **Gene** 1986;44(2–3):337–40

The MET2 gene of Saccharomyces cerevisiae: molecular cloning and nucleotide sequence. Langin T, et al. **Gene** 1986;49(3):283–93

First position wobble in codon-anticodon pairing: amber suppression by a yeast glutamine tRNA. Lin JP, et al. **Gene** 1986;49(3):383–8

Identification of ten additional nucleotides in the primary structure of yeast 18S rRNA. Mankin AS, et al. **Gene** 1986; 44(1):143–5

Nucleotide sequence of the CLS4 (CDC24) gene of Saccharomyces cerevisiae. Miyamoto S, et al. **Gene** 1987; 54(1):125–32

Yeast shuttle and integrative vectors with multiple cloning sites suitable for construction of lacZ fusions. Myers AM, et al. **Gene** 1986;45(3):299–310

Structure of the two genes coding for polypeptide chain elongation factor 1 alpha (EF-1 alpha) from Saccharomyces cerevisiae. Nagashima K, et al. **Gene** 1986; 45(3):265–73

Expression of human salivary alpha-amylase gene in Saccharomyces cerevisiae and its secretion using the mammalian signal sequence. Nakamura Y, et al. **Gene** 1986; 50(1–3):239–45

Cloning of genes related to exo-beta-glucanase production in Saccharomyces cerevisiae: characterization of an exo-beta-glucanase structural gene. Nebreda AR, et al. **Gene** 1986;47(2–3):245–59

The fos gene product undergoes extensive post-translational modification in eukaryotic but not in prokaryotic cells. Sambucetti LC, et al. **Gene** 1986;43(1–2):69–77

Cloning of open reading frames and promoters from the Saccharomyces cerevisiae genome: construction of genomic libraries of random small fragments. Santangelo GM, et al. **Gene** 1986;46(2–3):181–6

Expression of the human salivary alpha-amylase gene in yeast and characterization of the secreted protein. Sato T, et al. **Gene** 1986;50(1–3):247–57

Isolation of Trypanosoma cruzi DNA fragments which function as ARS elements in Saccharomyces cerevisiae. Teixeira SM, et al. **Gene** 1986;44(1):171–5

Identification of a sequence containing the positive regulatory region of Saccharomyces cerevisiae gene ENO1. Uemura H, et al. **Gene** 1986;45(1):67–75

A family of yeast expression vectors containing the phage f1 intergenic region. Vernet T, et al. **Gene** 1987; 52(2–3):225–33

Construction of stable laboratory and industrial yeast strains expressing a foreign gene by integrative transformation using a dominant selection system. Zhu J, et al. **Gene** 1986; 50(1–3):225–37

Properties of spontaneous mitotic recombination occurring in the presence of the rad52-1 mutation of Saccharomyces cerevisiae. Hoekstra MF, et al. **Genet Res** 1986 Aug; 48(1):9–17

A method for gene disruption that allows repeated use of URA3 selection in the construction of multiply disrupted yeast strains. Alani E, et al. **Genetics** 1987 Aug;116(4):541–5

Chromosome specificity of polysomy promotion by disruptions of the Saccharomyces cerevisiae RNA1 gene. Atkinson NS, et al. **Genetics** 1987 Jul;116(3):371–5

Cloning, disruption and chromosomal mapping of yeast LEU3, a putative regulatory gene. Brisco PR, et al. **Genetics** 1987 Jan;115(1):91–9

The constitutive, glucose-repression-insensitive mutation of the yeast MAL4 locus is an alteration of the MAL43 gene. Charron MJ, et al. **Genetics** 1987 May;116(1):23–31

The RAD24 (= Rs1) gene product of Saccharomyces cerevisiae participates in two different pathways of DNA repair. Eckardt-Schupp F, et al. **Genetics** 1987 Jan; 115(1):83–90

Coincident gene conversion events in yeast that involve a large insertion. Golin JE, et al. **Genetics** 1986 Dec; 114(4):1081–94

Functional alcohol dehydrogenase mutants of Saccharomyces cerevisiae conferring temperature-conditional allyl alcohol resistance. Hall JG, et al. **Genetics** 1987 Jan;115(1):65–71

A Tn10-lacZ-kanR-URA3 gene fusion transposon for insertion mutagenesis and fusion analysis of yeast and bacterial genes. Huisman O, et al. **Genetics** 1987 Jun; 116(2):191–9

Chromosomal translocations generated by high-frequency meiotic recombination between repeated yeast genes. Jinks-Robertson S, et al. **Genetics** 1986 Nov;114(3):731–52

Temperature-sensitive lethal pseudorevertants of ste mutations in Saccharomyces cerevisiae. Katz ME, et al. **Genetics** 1987 Apr;115(4):627–36

Fine structure recombinational analysis of cloned genes using yeast transformation. Kunes S, et al. **Genetics** 1987 Jan; 115(1):73–81

Induction of intrachromosomal recombination in yeast by inhibition of thymidylate biosynthesis. Kunz BA, et al. **Genetics** 1986 Oct;114(2):375–92

Repression of meiotic crossing over by a centromere (CEN3) in Saccharomyces cerevisiae. Lambie EJ, et al. **Genetics** 1986 Nov;114(3):769–89

Meiotic gene conversion and crossing over between dispersed homologous sequences occurs frequently in Saccharomyces cerevisiae. Lichten M, et al. **Genetics** 1987 Feb; 115(2):233–46

Characterization of null mutants of the RAD55 gene of Saccharomyces cerevisiae: effects of temperature, osmotic strength and mating type. Lovett ST, et al. **Genetics** 1987 Aug;116(4):547–53

Protease B of Saccharomyces cerevisiae: isolation and regulation of the PRB1 structural gene. Moehle CM, et al. **Genetics** 1987 Feb;115(2):255–63

Mutations causing constitutive invertase synthesis in yeast: genetic interactions with snf mutations. Neigeborn L, et al. **Genetics** 1987 Feb;115(2):247–53

Recessive nonsense suppressors in Saccharomyces cerevisiae: action spectra, complementation groups and map positions. Ono B, et al. **Genetics** 1986 Oct;114(2):363–74

PET111, a Saccharomyces cerevisiae nuclear gene required for translation of the mitochondrial mRNA encoding cytochrome c oxidase subunit II. Poutre CG, et al. **Genetics** 1987 Apr;115(4):637–47

Frequency and directionality of gene conversion events involving the CYC7-H3 mutation in Saccharomyces cerevisiae. Pukkila PJ, et al. **Genetics** 1986 Oct; 114(2):347–61

Four genes responsible for a position effect on expression from HML and HMR in Saccharomyces cerevisiae. Rine J, et al. **Genetics** 1987 May;116(1):9–22

Thymidine utilization by tut mutants and facile cloning of mutant alleles by plasmid conversion in S. cerevisiae. Sclafani RA, et al. **Genetics** 1986 Nov;114(3):753–67

Allosuppressors that enhance the efficiency of omnipotent suppressors in Saccharomyces cerevisiae. Song JM, et al. **Genetics** 1987 Mar;115(3):451–60

The identification and characterization of ADR6, a gene required for sporulation and for expression of the alcohol dehydrogenase II isozyme from Saccharomyces cerevisiae. Taguchi AK, et al. **Genetics** 1987 Aug;116(4):523–30

The cloning and mapping of ADR6, a gene required for sporulation and for expression of the alcohol dehydrogenase II isozyme from Saccharomyces cerevisiae. Taguchi AK, et al. **Genetics** 1987 Aug;116(4):531–40

STE16, a new gene required for pheromone production by a cells of Saccharomyces cerevisiae. Wilson KL, et al. **Genetics** 1987 Mar;115(3):441–9

Three genes are required for trans-activation of Ty transcription in yeast. Winston F, et al. **Genetics** 1987 Apr; 115(4):649–56

Escherichia coli and Saccharomyces cerevisiae adenylate cyclases: a case of phylogenetic convergence? Danchin A. **Isozymes Curr Top Biol Med Res** 1987;15:141–51 (44 ref.)

The SNF3 gene is required for high-affinity glucose transport in Saccharomyces cerevisiae. Bisson LF, et al. **J Bacteriol** 1987 Apr;169(4):1656–62

RRP1, a Saccharomyces cerevisiae gene affecting rRNA processing and production of mature ribosomal subunits. Fabian GR, et al. **J Bacteriol** 1987 Apr;169(4):1571–8

Cloning and characterization of Saccharomyces cerevisiae genes that confer L-methionine sulfoximine and tabtoxin resistance. Marek ET, et al. **J Bacteriol** 1987 Jun; 169(6):2440–8

The Saccharomyces cerevisiae start mutant carrying the cdc25 mutation is defective in activation of plasma membrane ATPase by glucose. Portillo F, et al. **J Bacteriol** 1986 Dec;168(3):1254–7

Transcriptional regulation of the DAL5 gene in Saccharomyces cerevisiae. Rai R, et al. **J Bacteriol** 1987 Aug;169(8):3521–4

Identification of the structural gene for dipeptidyl aminopeptidase yscV (DAP2) of Saccharomyces cerevisiae. Suárez Rendueles P, et al. **J Bacteriol** 1987 Sep; 169(9):4041–8

Cloning in Saccharomyces cerevisiae of a cycloheximide resistance gene from the Candida maltosa genome which modifies ribosomes. Takagi M, et al. **J Bacteriol** 1986 Oct; 168(1):417–9

Gene fusion is a possible mechanism underlying the evolution of STA1. Yamashita I, et al. **J Bacteriol** 1987 May; 169(5):2142–9

Isolation and characterization of the nuclear gene encoding the Rieske iron-sulfur protein (RIP1) from Saccharomyces cerevisiae. Beckmann JD, et al. **J Biol Chem** 1987 Jun 25; 262(18):8901–9

Complementation of mutations and nucleotide sequence of FAS1 gene encoding beta subunit of yeast fatty acid synthase. Chirala SS, et al. **J Biol Chem** 1987 Mar 25; 262(9):4231–40

Yeast metallothionein function in metal ion detoxification. Ecker DJ, et al. **J Biol Chem** 1986 Dec 25; 261(36):16895–900

Chemical synthesis and expression of a cassette adapted ubiquitin gene. Ecker DJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3524–7

Molecular characterization of the yeast PRT1 gene in which mutations affect translation initiation and regulation of cell proliferation. Hanic-Joyce PJ, et al. **J Biol Chem** 1987 Feb 25;262(6):2845–51

Mutants of Saccharomyces cerevisiae defective in sn-1,2-diacylglycerol cholinephosphotransferase. Isolation, characterization, and cloning of the CPT1 gene. Hjelmstad RH, et al. **J Biol Chem** 1987 Mar 15;262(8):3909–17

Nitrogenase MoFe protein subunits from Klebsiella pneumoniae expressed in foreign hosts. Characteristics and interactions. Holland D, et al. **J Biol Chem** 1987 Jun 25; 262(18):8814–20

Expression in Escherichia coli of BCY1, the regulatory subunit of cyclic AMP-dependent protein kinase from Saccharomyces cerevisiae. Purification and characterization. Johnson KE, et al. **J Biol Chem** 1987 Jun 25;262(18):8636–42

Isolation and characterization of the yeast gene coding for the alpha subunit of mitochondrial phenylalanyl-tRNA synthetase. Koerner TJ, et al. **J Biol Chem** 1987 Mar 15; 262(8):3690–6

Roles of the TGACT repeat sequence in the yeast TRP5 promoter. Moye WS, et al. **J Biol Chem** 1987 Mar 15; 262(8):3609–14

Assembly of the mitochondrial membrane system. MRP1 and MRP2, two yeast nuclear genes coding for mitochondrial ribosomal proteins. Myers AM, et al. **J Biol Chem** 1987 Mar 5;262(7):3388–97

Primary structure and disruption of the phosphatidylinositol synthase gene of Saccharomyces cerevisiae. Nikawa J, et al. **J Biol Chem** 1987 Apr 5;262(10):4876–81

COX8, the structural gene for yeast cytochrome c oxidase subunit VIII. DNA sequence and gene disruption indicate that subunit VIII is required for maximal levels of cellular respiration and is derived from a precursor which is extended at both its NH2 and COOH termini. Patterson TE, et al. **J Biol Chem** 1986 Dec 25;261(36):17192–7

Isolation of the yeast gene encoding elongation factor 3 for protein synthesis. Qin SL, et al. **J Biol Chem** 1987 Jun 5;262(16):7802–7

A new yeast mutation in the glucosylation steps of the asparagine-linked glycosylation pathway. Formation of a novel asparagine-linked oligosaccharide containing two glucose residues. Runge KW, et al. **J Biol Chem** 1986 Nov 25;261(33):15582–90

Transcriptional elements of the yeast ribosomal protein gene CYH2. Schwindinger WF, et al. **J Biol Chem** 1987 Apr 25;262(12):5690–5

Nuclear genes encoding the yeast mitochondrial ATPase complex. Analysis of ATP1 coding the F1-ATPase alpha-subunit and its assembly. Takeda M, et al. **J Biol Chem** 1986 Nov 15;261(32):15126–33

Assembly of the mitochondrial membrane system. Characterization of COR1, the structural gene for the 44-kilodalton core protein of yeast coenzyme QH2-cytochrome c reductase. Tzagoloff A, et al.

J Biol Chem 1986 Dec 25;261(36):17163–9
A "CAT" family of repetitive DNA sequences in Saccharomyces cerevisiae. Wildeman AG, et al. J Biol Chem 1986 Oct 15;261(29):13401–3
Characterization of COX9, the nuclear gene encoding the yeast mitochondrial protein cytochrome c oxidase subunit VIIa. Subunit VIIa lacks a leader peptide and is an essential component of the holoenzyme. Wright RM, et al. J Biol Chem 1986 Dec 25;261(36):17183–91
A yeast plasmid partitioning protein is a karyoskeletal component. Wu LC, et al. J Biol Chem 1987 Jan 15; 262(2):883–91
Yeast carboxypeptidase Y can be translocated and glycosylated without its amino-terminal signal sequence. Blachly-Dyson E, et al. J Cell Biol 1987 May; 104(5):1183–91
A yeast mutant defective at an early stage in import of secretory protein precursors into the endoplasmic reticulum. Deshaies RJ, et al. J Cell Biol 1987 Aug; 105(2):633–45
Identification and nuclear localization of yeast pre-messenger RNA processing components: RNA2 and RNA3 proteins. Last RL, et al. J Cell Biol 1986 Dec;103(6 Pt 1):2103–12
Regulation of mating in the cell cycle of Saccharomyces cerevisiae. Reid BJ, et al. J Cell Biol 1977 Nov;75(2 Pt 1):355–65
Nuclear suppressors of the mitochondrial mutation oxi1-V25 in Saccharomyces cerevisiae. Genetic analysis of the suppressors: absence of complementation between non-allelic mutants. Boguta M, et al. J Gen Microbiol 1986 Aug;132 (Pt 8):2087–97
Factors enhancing genetic transformation of intact yeast cells modify cell wall porosity. Brzobohatý B, et al. J Gen Microbiol 1986 Nov;132 (Pt 11):3089–93
Some properties of a Saccharomyces cerevisiae mutant resistant to 2-amino-4-methyl-5-beta-hydroxyethylthiazole. Iwashima A, et al. J Gen Microbiol 1986 Jun;132 (Pt 6):1541–6
Isolation and characterization of Ca2+-sensitive mutants of Saccharomyces cerevisiae. Ohya Y, et al. J Gen Microbiol 1986 Apr;132 (Pt 4):979–88
Control of the cAMP pathway by the cell cycle start function, CDC25, in Saccharomyces cerevisiae. Tripp ML, et al. J Gen Microbiol 1986 May;132 (Pt 5):1143–51
The Saccharomyces cerevisiae ADE5,7 protein is homologous to overlapping Drosophila melanogaster Gart polypeptides. Henikoff S. J Mol Biol 1986 Aug 20; 190(4):519–28
Frameshift suppressor mutations affecting the major glycine transfer RNAs of Saccharomyces cerevisiae. Mendenhall MD, et al. J Mol Biol 1987 Mar 5;194(1):41–58
A mutant that affects the function of autonomously replicating sequences in yeast. Sinha P, et al. J Mol Biol 1986 Dec 20;192(4):805–14
Protein-DNA interactions and nuclease-sensitive regions determine nucleosome positions on yeast plasmid chromatin. Thoma F. J Mol Biol 1986 Jul 20;190(2):177–90
Splicing of a yeast proline tRNA containing a novel suppressor mutation in the anticodon stem. Winey M, et al. J Mol Biol 1986 Nov 5;192(1):49–63
Examination of protein sequence homologies: III. Ribosomal protein YS25 from Saccharomyces cerevisiae and its counterparts from Schizosaccharomyces pombe, rat liver, and Escherichia coli. Otaka E, et al. J Mol Evol 1986; 23(4):337–42
Molecular evolution of the Saccharomyces cerevisiae histone gene loci. Smith MM. J Mol Evol 1987;24(3):252–9
Mitotic recombination in yeast as a test of genetic damage. Parry JM. Lab Pract 1972 Jun;21(6):417–9
Isolation of the yeast calmodulin gene using synthetic oligonucleotide probes. Davis TN, et al. Methods Enzymol 1987;139:248–62
Construction of expression vectors for secretion of human interferons by yeast. Hitzeman RA, et al. Methods Enzymol 1986;119:424–33
Yeast vectors for production of interferon. Schaber MD, et al. Methods Enzymol 1986;119:416–23
Deletion of the phosphoglucose isomerase structural gene makes growth and sporulation glucose dependent in Saccharomyces cerevisiae. Aguilera A. MGG 1986 Aug; 204(2):310–6
Transcription of multiple copies of the yeast GAL7 gene is limited by specific factors in addition to GAL4. Baker SM, et al. MGG 1987 Jun;208(1–2):127–34
Molecular cloning and characterization of ARO7-OSM2, a single yeast gene necessary for chorismate mutase activity and growth in hypertonic medium. Ball SG, et al. MGG 1986 Nov;205(2):326–30
A single base change in the extra-arm of yeast mitochondrial tyrosine tRNA affects its conformational stability and impairs aminoacylation. Bordonné R, et al. MGG 1987 Mar; 206(3):498–504
Molecular genetics of met 17 and met 25 mutants of Saccharomyces cerevisiae: intragenic complementation between mutations of a single structural gene. D'Andrea R, et al. MGG 1987 Apr;207(1):165–70
The effects of ADR1 and CCR1 gene dosage on the regulation of the glucose-repressible alcohol dehydrogenase from Saccharomyces cerevisiae. Denis CL. MGG 1987 Jun;208(1–2):101–6
Yeast LEU5 is a PET-like gene that is not essential for leucine biosynthesis. Drain P, et al. MGG 1986 Sep; 204(3):597–403
Characterization of two genes, ARGR1 and ARGR111 required for specific regulation of arginine metabolism in yeast. Dubois E, et al. MGG 1987 Apr;207(1):142–8
Phleomycin resistance encoded by the ble gene from transposon Tn 5 as a dominant selectable marker in Saccharomyces cerevisiae. Gatignol A, et al. MGG 1987 May;207(2–3):342–8
Nuclear and mitochondrial revertants of a mitochondrial mutant with a defect in the ATP synthetase complex. Hefta LJ, et al. MGG 1987 Apr;207(1):106–13
Mutations in the right boundary of Saccharomyces cerevisiae centromere 6 lead to nonfunctional or partially functional centromeres. Hegemann JH, et al. MGG 1986 Nov; 205(2):305–11
Autogenous regulation of the Saccharomyces cerevisiae regulatory gene GAL80. Igarashi M, et al. MGG 1987 May; 207(2–3):273–9
Genetic characterization and isolation of the Saccharomyces cerevisiae gene coding for uridine monophosphokinase. Liljelund P, et al. MGG 1986 Oct;205(1):74–81
Transcription of genes encoding enzymes involved in DNA synthesis during the cell cycle of Saccharomyces cerevisiae. McIntosh EM, et al. MGG 1986 Sep;204(3):363–6
Transcriptional regulation of DNA damage responsive (DDR) genes in different rad mutant strains of Saccharomyces cerevisiae. Maga JA, et al. MGG 1986 Nov; 205(2):276–84
Characterization of the levanase gene of Bacillus subtilis which shows homology to yeast invertase. Martin I, et al. MGG 1987 Jun;208(1–2):177–84
The yeast 2 micron plasmid: strategies for the survival of a selfish DNA. Mead DJ, et al. MGG 1986 Dec; 205(3):417–21
Processing of TY1 proteins and formation of Ty1 virus-like particles in Saccharomyces cerevisiae. Müller F, et al. MGG 1987 May;207(2–3):421–9
Isolation and characterization of the regulatory HEX2 gene necessary for glucose repression in yeast. Niederacher D, et al. MGG 1987 Mar;206(3):505–9
Structure of the yeast HIS5 gene responsive to general control of amino acid biosynthesis. Nishiwaki K, et al. MGG 1987 Jun;208(1–2):159–67
DNase I sensitivity of the chromatin of the yeast SUC2 gene for invertase. Pérez-Ortin JE, et al. MGG 1986 Dec; 205(3):422–7
The yeast nuclear gene CBS1 is required for translation of mitochondrial mRNAs bearing the cob 5' untranslated leader. Rödel G, et al. MGG 1987 Jan;206(1):45–50
Isolation of the yeast phosphoglyceromutase gene and construction of deletion mutants. Rodicio R, et al. MGG 1987 Jan;206(1):133–40
Nucleotide sequence of the pyrimidine specific carbamoyl phosphate synthetase, a part of the yeast multifunctional protein encoded by the URA2 gene. Souciet JL, et al. MGG 1987 May;207(2–3):314–9
Cloning of the ARO3 gene of Saccharomyces cerevisiae and its regulation. Teshiba S, et al. MGG 1986 Nov;205(2):353–7
Genetic and molecular mapping of the pma1 mutation conferring vanadate resistance to the plasma membrane ATPase from Saccharomyces cerevisiae. Ulaszewski S, et al. MGG 1987 Apr;207(1):38–46
Retardation of cell cycle progression in yeast cells recovering from DNA damage: a study at the single cell level. Wintersberger U, et al. MGG 1987 May;207(2–3):320–7
Study of an artificial endoassociation between Saccharomyces cerevisiae and Escherichia coli. González MT, et al. Microbios 1987;50(203):99–108
Signal processing, glycosylation, and secretion of mutant hemagglutinins of a human influenza virus by Saccharomyces cerevisiae. Abdul Jabbar M, et al. Mol Cell Biol 1987 Apr;7(4):1476–85
Molecular analysis of SNF2 and SNF5, genes required for expression of glucose-repressible genes in Saccharomyces cerevisiae. Abrams E, et al. Mol Cell Biol 1986 Nov; 6(11):3643–51
Sequences required for delivery and localization of the ADP/ATP translocator to the mitochondrial inner membrane. Adrian GS, et al. Mol Cell Biol 1986 Feb; 6(2):626–34
Mitotic gene conversion lengths, coconversion patterns, and the incidence of reciprocal recombination in a Saccharomyces cerevisiae plasmid system. Ahn BY, et al. Mol Cell Biol 1986 Nov;6(11):3685–93
mRNA cap-binding protein: cloning of the gene encoding protein synthesis initiation factor eIF-4E from Saccharomyces cerevisiae. Altmann M, et al. Mol Cell Biol 1987 Mar;7(3):998–1003
PEP4 gene of Saccharomyces cerevisiae encodes proteinase A, a vacuolar enzyme required for processing of vacuolar precursors. Ammerer G, et al. Mol Cell Biol 1986 Jul; 6(7):2490–9
Interaction of the FLP recombinase of the Saccharomyces cerevisiae 2 micron plasmid with mutated target sequences. Andrews BJ, et al. Mol Cell Biol 1986 Jul;6(7):2482–9
The membrane-associated enzyme phosphatidylserine synthase is regulated at the level of mRNA abundance. Bailis AM, et al. Mol Cell Biol 1987 Jan;7(1):167–76
Glycolytic gene expression in Saccharomyces cerevisiae: nucleotide sequence of GCR1, null mutants, and evidence for expression. Baker HV. Mol Cell Biol 1986 Nov; 6(11):3774–84
Genetic manipulation of Saccharomyces cerevisiae by use of the LYS2 gene. Barnes DA, et al. Mol Cell Biol 1986 Aug;6(8):2828–38
Physical analysis of the COR region: a cluster of six genes in Saccharomyces cerevisiae. Barry K, et al. Mol Cell Biol 1987 Feb;7(2):632–8
Structure of the transcriptionally repressed phosphate-repressible acid phosphatase gene (PHO5) of Saccharomyces cerevisiae. Bergman LW, et al. Mol Cell Biol 1986 Jan;6(1):38–46
A DNA fragment containing the upstream activator sequence determines nucleosome positioning of the transcriptionally repressed PHO5 gene of Saccharomyces cerevisiae. Bergman LW. Mol Cell Biol 1986 Jul;6(7):2298–304
Repair of heteroduplex plasmid DNA after transformation into Saccharomyces cerevisiae. Bishop DK, et al. Mol Cell Biol 1986 Oct;6(10):3401–9
Saccharomyces cerevisiae SPT3 gene is required for transposition and transpositional recombination of chromosomal Ty elements. Boeke JD, et al. Mol Cell Biol 1986 Nov;6(11):3575–81
Fine-structure analysis of the DNA sequence requirements for autonomous replication of Saccharomyces cerevisiae plasmids. Bouton AH, et al. Mol Cell Biol 1986 Jul; 6(7):2354–63
Saccharomyces cerevisiae centromere CEN11 does not induce chromosome instability when integrated into the Aspergillus nidulans genome. Boylan MT, et al. Mol Cell Biol 1986 Nov;6(11):3621–5
Amino-terminal fragments of delta 1-pyrroline-5-carboxylate dehydrogenase direct beta-galactosidase to the mitochondrial matrix in Saccharomyces cerevisiae. Brandriss MC, et al. Mol Cell Biol 1986 Oct;6(10):3502–12
Expression of Rous sarcoma virus transforming protein pp60v-src in Saccharomyces cerevisiae cells. Brugge JS, et al. Mol Cell Biol 1987 Jun;7(6):2180–7
The Saccharomyces cerevisiae chromosome III left telomere has a type X, but not a type Y', ARS region. Button LL, et al. Mol Cell Biol 1986 Apr;6(4):1352–6
Activation of a cryptic TACTAAC box in the Saccharomyces cerevisiae actin intron. Cellini A, et al. Mol Cell Biol 1986 May;6(5):1571–8
Saccharomyces cerevisiae secretes and correctly processes human interferon hybrid proteins containing yeast invertase signal peptides. Chang CN, et al. Mol Cell Biol 1986 May; 6(5):1812–9
Structural and functional analysis of the MAL1 locus of Saccharomyces cerevisiae. Charron MJ, et al. Mol Cell Biol 1986 Nov;6(11):3891–9
The SPT6 gene is essential for growth and is required for delta-mediated transcription in Saccharomyces cerevisiae [published erratum appears in Mol Cell Biol 1987 May;7(5):2035] Clark-Adams CD, et al. Mol Cell Biol 1987 Feb;7(2):679–86
Identification of a regulatory region that mediates glucose-dependent induction of the Saccharomyces cerevisiae enolase gene ENO2. Cohen R, et al. Mol Cell Biol 1986 Jul;6(7):2287–97
Complementation of a threonine dehydratase-deficient Nicotiana plumbaginifolia mutant after Agrobacterium tumefaciens-mediated transfer of the Saccharomyces cerevisiae ILV1 gene. Colau D, et al. Mol Cell Biol 1987 Jul;7(7):2552–7
Regulation of RAD54- and RAD52-lacZ gene fusions in Saccharomyces cerevisiae in response to DNA damage. Cole GM, et al. Mol Cell Biol 1987 Mar;7(3):1078–84
Molecular cloning of chromosome I DNA from Saccharomyces cerevisiae: isolation and characterization of the CDC24 gene and adjacent regions of the chromosome. Coleman KG, et al. Mol Cell Biol 1986 Dec; 6(12):4516–25
Transcriptional analysis of Ty1 deletion and inversion derivatives at CYC7. Company M, et al. Mol Cell Biol 1986 Oct;6(10):3299–311
Product of Saccharomyces cerevisiae nuclear gene PET494 activates translation of a specific mitochondrial mRNA. Costanzo MC, et al. Mol Cell Biol 1986 Nov;6(11):3694–703
Signal peptide specificity in posttranslational processing of the plant protein phaseolin in Saccharomyces cerevisiae. Cramer JH, et al. Mol Cell Biol 1987 Jan;7(1):121–8
Genetic and biochemical study of threonine-overproducing mutants of Saccharomyces cerevisiae. Delgado MA, et al. Mol Cell Biol 1982 Jul;2(7):731–6
Constitutive RNA synthesis for the yeast activator ADR1 and identification of the ADR1-5c mutation: implications in posttranslational control of ADR1. Denis CL, et al. Mol Cell Biol 1986 Nov;6(11):4026–30
Isolation and characterization of MOD5, a gene required for isopentenylation of cytoplasmic and mitochondrial tRNAs of Saccharomyces cerevisiae [published erratum appears in Mol Cell Biol 1987 May;7(5):2035] Dihanich ME, et al. Mol Cell Biol 1987 Jan;7(1):177–84
Transcriptional regulation of ribosomal proteins during a nutritional upshift in Saccharomyces cerevisiae. Donovan DM, et al. Mol Cell Biol 1986 Jul;6(7):2429–35
An RNA polymerase I enhancer in Saccharomyces cerevisiae. Elion EA, et al. Mol Cell Biol 1986 Jun; 6(6):2089–97
Ty1 sequence with enhancer and mating-type-dependent regulatory activities. Errede B, et al. Mol Cell Biol 1987

Jan;7(1):258–65
An anomalous Ty1 structure attributed to an error in reverse transcription. Errede B, et al. **Mol Cell Biol** 1986 Apr; 6(4):1334–8
Three different M1 RNA-containing viruslike particle types in Saccharomyces cerevisiae: in vitro M1 double-stranded RNA synthesis. Esteban R, et al. **Mol Cell Biol** 1986 May; 6(5):1552–61
RAD4 gene of Saccharomyces cerevisiae: molecular cloning and partial characterization of a gene that is inactivated in Escherichia coli. Fleer R, et al. **Mol Cell Biol** 1987 Mar; 7(3):1180–92
Effects on mRNA splicing of mutations in the 3' region of the Saccharomyces cerevisiae actin intron. Fouser LA, et al. **Mol Cell Biol** 1987 Jan;7(1):225–30
L-A double-stranded RNA viruslike particle replication cycle in Saccharomyces cerevisiae: particle maturation in vitro and effects of mak10 and pet18 mutations. Fujimura T, et al. **Mol Cell Biol** 1987 Jan;7(1):420–6
Thermolabile L-A virus-like particles from pet18 mutants of Saccharomyces cerevisiae. Fujimura T, et al. **Mol Cell Biol** 1986 Feb;6(2):404–10
Toxic effects of excess cloned centromeres. Futcher B, et al. **Mol Cell Biol** 1986 Jun;6(6):2213–22
In vitro splicing of the terminal intervening sequence of Saccharomyces cerevisiae cytochrome b pre-mRNA. Gampel A, et al. **Mol Cell Biol** 1987 Jul;7(7):2545–51
The SPS4 gene of Saccharomyces cerevisiae encodes a major sporulation-specific mRNA. Garber AT, et al. **Mol Cell Biol** 1986 Dec;6(12):4478–85
Alterations in the adenine-plus-thymine-rich region of CEN3 affect centromere function in Saccharomyces cerevisiae. Gaudet A, et al. **Mol Cell Biol** 1987 Jan; 7(1):68–75
Induction and repression of the urea amidolyase gene in Saccharomyces cerevisiae. Genbauffe FS, et al. **Mol Cell Biol** 1986 Nov;6(11):3954–64
Isolation and functional analysis of sporulation-induced transcribed sequences from Saccharomyces cerevisiae. Gottlin-Ninfa E, et al. **Mol Cell Biol** 1986 Jun;6(6):2185–97
New positive and negative regulators for general control of amino acid biosynthesis in Saccharomyces cerevisiae. Greenberg ML, et al. **Mol Cell Biol** 1986 May;6(5):1820–9
Assembly of a tRNA splicing complex: evidence for concerted excision and joining steps in splicing in vitro [published erratum appears in Mol Cell Biol 1986 Jun;6(6):2284)] Greer CL. **Mol Cell Biol** 1986 Feb; 6(2):635–44
High-efficiency transformation of Saccharomyces cerevisiae cells by bacterial minicell protoplast fusion. Gyuris J, et al. **Mol Cell Biol** 1986 Sep;6(9):3295–7
A deletion that includes the segment coding for the signal peptidase cleavage site delays release of Saccharomyces cerevisiae acid phosphatase from the endoplasmic reticulum. Haguenauer-Tsapis R, et al. **Mol Cell Biol** 1986 Feb;6(2):723–9
Highly mutable sites for ICR-170-induced frameshift mutations are associated with potential DNA hairpin structures: studies with SUP4 and other Saccharomyces cerevisiae genes. Hampsey DM, et al. **Mol Cell Biol** 1986 Dec;6(12):4425–32
Multiple GCD genes required for repression of GCN4, a transcriptional activator of amino acid biosynthetic genes in Saccharomyces cerevisiae. Harashima S, et al. **Mol Cell Biol** 1986 Nov;6(11):3990–8
Multiple regulation of STE2, a mating-type-specific gene of Saccharomyces cerevisiae. Hartig A, et al. **Mol Cell Biol** 1986 Jun;6(6):2106–14
Genetic manipulation of centromere function. Hill A, et al. **Mol Cell Biol** 1987 Jul;7(7):2397–405
Isolation and characterization of temperature-sensitive RNA polymerase II mutants of Saccharomyces cerevisiae. Himmelfarb HJ, et al. **Mol Cell Biol** 1987 Jun;7(6):2155–64
Expression of the Saccharomyces cerevisiae inositol-1-phosphate synthase (INO1) gene is regulated by factors that affect phospholipid synthesis. Hirsch JP, et al. **Mol Cell Biol** 1986 Oct;6(10):3320–8
Excision repair functions in Saccharomyces cerevisiae recognize and repair methylation of adenine by the Escherichia coli dam gene. Hoekstra MF, et al. **Mol Cell Biol** 1986 Oct;6(10):3555–8
The GCR1 gene encodes a positive transcriptional regulator of the enolase and glyceraldehyde-3-phosphate dehydrogenase gene families in Saccharomyces cerevisiae. Holland MJ, et al. **Mol Cell Biol** 1987 Feb;7(2):813–20
Upstream regulatory regions controlling the expression of the yeast maltase gene. Hong SH, et al. **Mol Cell Biol** 1987 Jul;7(7):2477–83
Cloning and characterization of LOS1, a Saccharomyces cerevisiae gene that affects tRNA splicing. Hurt DJ, et al. **Mol Cell Biol** 1987 Mar;7(3):1208–16
Transcription of the ADH2 gene in Saccharomyces cerevisiae is limited by positive factors that bind competitively to its intact promoter region on multicopy plasmids. Irani M, et al. **Mol Cell Biol** 1987 Mar; 7(3):1233–41
Cloning and characterization of four SIR genes of Saccharomyces cerevisiae. Ivy JM, et al. **Mol Cell Biol** 1986 Feb;6(2):688–702
Mating type-like conversion promoted by the 2 micrograms circle site-specific recombinase: implications for the double-strand-gap repair model. Jayaram M. **Mol Cell Biol** 1986 Nov;6(11):3831–7
Saccharomyces cerevisiae mutants unresponsive to alpha-factor pheromone: alpha-factor binding and extragenic suppression. Jenness DD, et al. **Mol Cell Biol** 1987 Apr;7(4):1311–9
mRNA transcription in nuclei isolated from Saccharomyces cerevisiae. Jerome JF, et al. **Mol Cell Biol** 1986 May; 6(5):1633–9
Isolation and characterization of PRT1, a gene required for the initiation of protein biosynthesis in Saccharomyces cerevisiae. Keierleber C, et al. **Mol Cell Biol** 1986 Dec; 6(12):4419–24
The nine amino-terminal residues of delta-aminolevulinate synthase direct beta-galactosidase into the mitochondrial matrix. Keng T, et al. **Mol Cell Biol** 1986 Feb;6(2):355–64
A nuclear gene of Saccharomyces cerevisiae needed for stable maintenance of plasmids. Kikuchi Y, et al. **Mol Cell Biol** 1986 Nov;6(11):4053–9
Saccharomyces cerevisiae contains two functional citrate synthase genes. Kim KS, et al. **Mol Cell Biol** 1986 Jun; 6(6):1936–42
Multiple control elements in the TRP1 promoter of Saccharomyces cerevisiae. Kim S, et al. **Mol Cell Biol** 1986 Dec;6(12):4251–8
A single Saccharomyces cerevisiae upstream activation site (UAS1) has two distinct regions essential for its activity. Lalonde B, et al. **Mol Cell Biol** 1986 Dec;6(12):4690–6
Structure and expression of the Saccharomyces cerevisiae CRY1 gene: a highly conserved ribosomal protein gene. Larkin JC, et al. **Mol Cell Biol** 1987 May;7(5):1764–75
In vivo evidence for posttranslational translocation and signal cleavage of the killer preprotoxin of Saccharomyces cerevisiae. Lolle SJ, et al. **Mol Cell Biol** 1986 Dec; 6(12):4274–80
Sequence analysis of temperature-sensitive mutations in the Saccharomyces cerevisiae gene CDC28. Lörincz AT, et al. **Mol Cell Biol** 1986 Nov;6(11):4099–103
Negative regulation of the Saccharomyces cerevisiae ANB1 gene by heme, as mediated by the ROX1 gene product. Lowry CV, et al. **Mol Cell Biol** 1986 Dec;6(12):4145–8
Role of transcriptional and posttranscriptional regulation in expression of histone genes in Saccharomyces cerevisiae. Lycan DE, et al. **Mol Cell Biol** 1987 Feb;7(2):614–21
Effects of null mutations in the hexokinase genes of Saccharomyces cerevisiae on catabolite repression. Ma H, et al. **Mol Cell Biol** 1986 Nov;6(11):4046–52
DNA damage and heat shock dually regulate genes in Saccharomyces cerevisiae. McClanahan T, et al. **Mol Cell Biol** 1986 Jan;6(1):90–6
Single base-pair mutations in centromere element III cause aberrant chromosome segregation in Saccharomyces cerevisiae. McGrew J, et al. **Mol Cell Biol** 1986 Feb; 6(2):530–8
Sequence and expression of the dCMP deaminase gene (DCD1) of Saccharomyces cerevisiae. McIntosh EM, et al. **Mol Cell Biol** 1986 May;6(5):1711–21
Identification of the crossover site during FLP-mediated recombination in the Saccharomyces cerevisiae plasmid 2 microns circle. McLeod M, et al. **Mol Cell Biol** 1986 Oct; 6(10):3357–67
Structure and sequence of the centromeric DNA of chromosome 4 in Saccharomyces cerevisiae. Mann C, et al. **Mol Cell Biol** 1986 Jan;6(1):241–5
Regulatory function of the Saccharomyces cerevisiae RAS C-terminus. Marshall MS, et al. **Mol Cell Biol** 1987 Jul; 7(7):2309–15
Construction and behavior of circularly permuted and telocentric chromosomes in Saccharomyces cerevisiae. Murray AW, et al. **Mol Cell Biol** 1986 Sep;6(9):3166–72
Negative regulatory gene for general control of amino acid biosynthesis in Saccharomyces cerevisiae. Myers PL, et al. **Mol Cell Biol** 1986 Sep;6(9):3150–5
DNA sequence and transcript mapping of MOD5: features of the 5' region which suggest two translational starts. Najarian D, et al. **Mol Cell Biol** 1987 Jan;7(1):185–91
Saccharomyces cerevisiae PHO5 promoter region: location and function of the upstream activation site. Nakao J, et al. **Mol Cell Biol** 1986 Jul;6(7):2613–23
Effects of progressive depletion of TCM1 or CYH2 mRNA on Saccharomyces cerevisiae ribosomal protein accumulation. Nam HG, et al. **Mol Cell Biol** 1986 May; 6(5):1535–44
Analysis of the essential and excision repair functions of the RAD3 gene of Saccharomyces cerevisiae by mutagenesis. Naumovski L, et al. **Mol Cell Biol** 1986 Apr;6(4):1218–27
Null mutations in the SNF3 gene of Saccharomyces cerevisiae cause a different phenotype than do previously isolated missense mutations. Neigeborn L, et al. **Mol Cell Biol** 1986 Nov;6(11):3569–74
SSN20 is an essential gene with mutant alleles that suppress defects in SUC2 transcription in Saccharomyces cerevisiae. Neigeborn L, et al. **Mol Cell Biol** 1987 Feb;7(2):672–8
Eucaryotic RNA polymerase conditional mutant that rapidly ceases mRNA synthesis. Nonet M, et al. **Mol Cell Biol** 1987 May;7(5):1602–11
Efficient expression of the Saccharomyces cerevisiae PGK gene depends on an upstream activation sequence but does not require TATA sequences. Ogden JE, et al. **Mol Cell Biol** 1986 Dec;6(12):4335–43
Ty insertions at two loci account for most of the spontaneous antimycin A resistance mutations during growth at 15 degrees C of Saccharomyces cerevisiae strains lacking ADH1. Paquin CE, et al. **Mol Cell Biol** 1986 Jan;6(1):70–9
Molecular characterization of cell cycle gene CDC7 from Saccharomyces cerevisiae. Patterson M, et al. **Mol Cell Biol** 1986 May;6(5):1590–8
Increased copy number of the 5'end of the SPS2 gene inhibits sporulation of Saccharomyces cerevisiae. Percival-Smith A, et al. **Mol Cell Biol** 1987 Jul;7(7):2484–90
Characterization and mutational analysis of a cluster of three genes expressed preferentially during sporulation of Saccharomyces cerevisiae. Percival-Smith A, et al. **Mol Cell Biol** 1986 Jul;6(7):2443–51
RAD7 gene of Saccharomyces cerevisiae: transcripts, nucleotide sequence analysis, and functional relationship between the RAD7 and RAD23 gene products. Perozzi G, et al. **Mol Cell Biol** 1986 May;6(5):1497–507
Primary structure requirements for correct sorting of the yeast mitochondrial protein ADH III to the yeast mitochondrial matrix space. Pilgrim D, et al. **Mol Cell Biol** 1987 Jan;7(1):294–304
Sequence and nuclear localization of the Saccharomyces cerevisiae HAP2 protein, a transcriptional activator. Pinkham JL, et al. **Mol Cell Biol** 1987 Feb;7(2):578–85
Transcriptional control of glucoamylase synthesis in vegetatively growing and sporulating Saccharomyces species. Pretorius IS, et al. **Mol Cell Biol** 1986 Sep; 6(9):3034–41
Mutational analysis of the coordinate expression of the yeast tRNAArg-tRNAAsp gene tandem. Reyes VM, et al. **Mol Cell Biol** 1986 Jul;6(7):2436–42
Nucleotide sequence and functional analysis of the RAD1 gene of Saccharomyces cerevisiae. Reynolds P, et al. **Mol Cell Biol** 1987 Mar;7(3):1012–20
Extramitochondrial citrate synthase activity in bakers' yeast. Rickey TM, et al. **Mol Cell Biol** 1986 Feb;6(2):488–93
GAL4 of Saccharomyces cerevisiae activates the lactose-galactose regulon of Kluyveromyces lactis and creates a new phenotype: glucose repression of the regulon. Riley MI, et al. **Mol Cell Biol** 1987 Feb;7(2):780–6
The alpha subunit of initiation factor 2 is phosphorylated in vivo in the yeast Saccharomyces cerevisiae. Romero DP, et al. **Mol Cell Biol** 1986 Apr;6(4):1044–9
Mitochondrial and nonmitochondrial citrate synthases in Saccharomyces cerevisiae are encoded by distinct homologous genes. Rosenkrantz M, et al. **Mol Cell Biol** 1986 Dec;6(12):4509–15
Tripartite upstream promoter element essential for expression of Saccharomyces cerevisiae ribosomal protein genes. Rotenberg MO, et al. **Mol Cell Biol** 1986 Feb;6(2):674–87
Concerted deletions and inversions are caused by mitotic recombination between delta sequences in Saccharomyces cerevisiae. Rothstein R, et al. **Mol Cell Biol** 1987 Mar; 7(3):1198–207
Structure of the Saccharomyces cerevisiae HO gene and analysis of its upstream regulatory region. Russell DW, et al. **Mol Cell Biol** 1986 Dec;6(12):4281–94
Positive regulation of the beta-galactosidase gene from Kluyveromyces lactis is mediated by an upstream activation site that shows homology to the GAL upstream activation site of Saccharomyces cerevisiae. Ruzzi M, et al. **Mol Cell Biol** 1987 Mar;7(3):991–7
Electron microscopic study of Saccharomyces cerevisiae rDNA chromatin replication. Saffer LD, et al. **Mol Cell Biol** 1986 Apr;6(4):1148–57
Short repeated elements in the upstream regulatory region of the SUC2 gene of Saccharomyces cerevisiae. Sarokin L, et al. **Mol Cell Biol** 1986 Jul;6(7):2324–33
Functional expression of the cre-lox site-specific recombination system in the yeast Saccharomyces cerevisiae. Sauer B. **Mol Cell Biol** 1987 Jun;7(6):2087–96
Genetically essential and nonessential alpha-tubulin genes specify functionally interchangeable proteins. Schatz PJ, et al. **Mol Cell Biol** 1986 Nov;6(11):3722–33
Two functional alpha-tubulin genes of the yeast Saccharomyces cerevisiae encode divergent proteins. Schatz PJ, et al. **Mol Cell Biol** 1986 Nov;6(11):3711–21
A position effect on the expression of a tRNA gene mediated by the SIR genes in Saccharomyces cerevisiae. Schnell R, et al. **Mol Cell Biol** 1986 Feb;6(2):494–501
The ras-like yeast YPT1 gene is itself essential for growth, sporulation, and starvation response. Segev N, et al. **Mol Cell Biol** 1987 Jul;7(7):2367–77
Heat shock response of Saccharomyces cerevisiae mutants altered in cyclic AMP-dependent protein phosphorylation. Shin DY, et al. **Mol Cell Biol** 1987 Jan;7(1):244–50
ADR1-mediated regulation of ADH2 requires an inverted repeat sequence. Shuster J, et al. **Mol Cell Biol** 1986 Jun; 6(6):1894–902
DNA binding is not sufficient for nuclear localization of regulatory proteins in Saccharomyces cerevisiae. Silver PA, et al. **Mol Cell Biol** 1986 Dec;6(12):4763–6
Homologous recombination between single-stranded DNA and chromosomal genes in Saccharomyces cerevisiae. Simon JR, et al. **Mol Cell Biol** 1987 Jul;7(7):2329–34
Transcriptional regulation of an hsp70 heat shock gene in the yeast Saccharomyces cerevisiae. Slater MR, et al. **Mol Cell Biol** 1987 May;7(5):1906–16
Molecular cloning of chromosome I DNA from Saccharomyces cerevisiae: isolation and analysis of the CEN1-ADE1-CDC15 region. Steensma HY, et al. **Mol Cell Biol** 1987 Jan;7(1):410–9
Effect of intron mutations on processing and function of Saccharomyces cerevisiae SUP53 tRNA in vitro and in

vivo. Strobel MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2663–73

Intron mutations affect splicing of Saccharomyces cerevisiae SUP53 precursor tRNA. Strobel MC, et al. **Mol Cell Biol** 1986 Jul;6(7):2674–83

Two related regulatory sequences are required for maximal induction of Saccharomyces cerevisiae his3 transcription. Struhl K, et al. **Mol Cell Biol** 1987 Jan;7(1):104–10

Constitutive and inducible Saccharomyces cerevisiae promoters: evidence for two distinct molecular mechanisms. Struhl K. **Mol Cell Biol** 1986 Nov; 6(11):3847–53

Reciprocal regulation of the tandemly duplicated PHO5/PHO3 gene cluster within the acid phosphatase multigene family of Saccharomyces cerevisiae. Tait-Kamradt AG, et al. **Mol Cell Biol** 1986 Jun; 6(6):1855–65

Duplicate upstream activating sequences in the promoter region of the Saccharomyces cerevisiae GAL7 gene. Tajima M, et al. **Mol Cell Biol** 1986 Jan;6(1):246–56

Tandemly duplicated upstream control sequences mediate copper-induced transcription of the Saccharomyces cerevisiae copper-metallothionein gene. Thiele DJ, et al. **Mol Cell Biol** 1986 Apr;6(4):1158–63

Cloning and characterization of BCY1, a locus encoding a regulatory subunit of the cyclic AMP-dependent protein kinase in Saccharomyces cerevisiae. Toda T, et al. **Mol Cell Biol** 1987 Apr;7(4):1371–7

The evolutionarily conserved repetitive sequence d(TG.AC)n promotes reciprocal exchange and generates unusual recombinant tetrads during yeast meiosis. Treco D, et al. **Mol Cell Biol** 1986 Nov;6(11):3934–47

Two genes required for cell fusion during yeast conjugation: evidence for a pheromone-induced surface protein. Trueheart J, et al. **Mol Cell Biol** 1987 Jul;7(7):2316–28

The yeast repeated element sigma contains a hormone-inducible promoter. Van Arsdell SW, et al. **Mol Cell Biol** 1987 Feb;7(2):749–59

Developmental regulation of SPO13, a gene required for separation of homologous chromosomes at meiosis I. Wang HT, et al. **Mol Cell Biol** 1987 Apr;7(4):1425–35

Proline utilization in Saccharomyces cerevisiae: analysis of the cloned PUT1 gene. Wang SS, et al. **Mol Cell Biol** 1986 Jul;6(7):2638–45

Complex interactions among members of an essential subfamily of hsp70 genes in Saccharomyces cerevisiae. Werner-Washburne M, et al. **Mol Cell Biol** 1987 Jul; 7(7):2568–77

The PEP4 gene encodes an aspartyl protease implicated in the posttranslational regulation of Saccharomyces cerevisiae vacuolar hydrolases. Woolford CA, et al. **Mol Cell Biol** 1986 Jul;6(7):2500–10

Characterization of a positive regulatory gene, LAC9, that controls induction of the lactose-galactose regulon of Kluyveromyces lactis: structural and functional relationships to GAL4 of Saccharomyces cerevisiae. Wray LV Jr, et al. **Mol Cell Biol** 1987 Mar;7(3):1111–21

Transcription terminator-like element within a Saccharomyces cerevisiae promoter region. Yarger JG, et al. **Mol Cell Biol** 1986 Apr;6(4):1095–101

Tightly centromere-linked gene (SPO15) essential for meiosis in the yeast Saccharomyces cerevisiae. Yeh E, et al. **Mol Cell Biol** 1986 Jan;6(1):158–67

Size threshold for Saccharomyces cerevisiae chromosomes: generation of telocentric chromosomes from an unstable minichromosome. Zakian VA, et al. **Mol Cell Biol** 1986 Mar;6(3):925–32

RNA processing and expression of an intron-encoded protein in yeast mitochondria: role of a conserved dodecamer sequence. Zhu H, et al. **Mol Cell Biol** 1987 Jul;7(7):2530–7

Elements involved in oxygen regulation of the Saccharomyces cerevisiae CYC7 gene. Zitomer RS, et al. **Mol Cell Biol** 1987 Jun;7(6):2212–20

Hyper-mutation caused by the reml mutation in yeast is not dependent on error-prone or excision repair. Hoekstra MF, et al. **Mutat Res** 1987 Jun;178(2):201–10

Evaluation of homology between cloned Escherichia coli and yeast DNA photolyase genes and higher eukaryotic genomes. Meechan PJ, et al. **Mutat Res** 1986 Sep; 166(2):143–7

Inducible DNA-repair systems in yeast: competition for lesions. Mitchel RE, et al. **Mutat Res** 1987 Mar; 183(2):149–59

Effect of irradiation and mutagenic chemicals on the generation of ADH2-constitutive mutants in yeast. Significance for the inducibility of Ty transposition. Morawetz C. **Mutat Res** 1987 Mar;177(1):53–60

Development of a yeast system to assay mutational specificity. Pierce MK, et al. **Mutat Res** 1987 Apr; 182(2):65–74

Mutants of Saccharomyces cerevisiae deficient in adenine phosphoribosyltransferase. Sahota A, et al. **Mutat Res** 1987 Sep;180(1):81–7

Chloral hydrate, methylmercury hydroxide and ethidium bromide affect chromosomal segregation during meiosis of Saccharomyces cerevisiae. Sora S, et al. **Mutat Res** 1987 Jan;190(1):13–7

Genetic aspects of medical mycology. Zimmermann FK, et al. **Mykosen [Suppl]** 1978;1:36–42

The expression of hybrid HIV:Ty virus-like particles in yeast. Adams SE, et al. **Nature** 1987 Sep 3–9;329(6134):68–70

The role of heteroduplex correction in gene conversion in Saccharomyces cerevisiae. Bishop DK, et al. **Nature** 1987 Jul 23–29;328(6128):362–4

Yeast genetics. Genetic control mechanisms: transcriptional twisting [news] Dawes IW. **Nature** 1986 Nov 20–26; 324(6094):214

The yeast DNA repair gene RAD6 encodes a ubiquitin-conjugating enzyme. Jentsch S, et al. **Nature** 1987 Sep 10–16;329(6135):131–4

Genetic evidence that zinc is an essential co-factor in the DNA binding domain of GAL4 protein. Johnston M. **Nature** 1987 Jul 23–29;328(6128):353–5

High-altitude walking with YACs [news] Nasmyth K, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):380–1

Electrophoresis of ribonucleoproteins reveals an ordered assembly pathway of yeast splicing complexes. Pikielny CW, et al. **Nature** 1986 Nov 27–Dec 3;324(6095):341–5

Cell biology. Ubiquitous cycles of repair [news] Sedgwick S, et al. **Nature** 1987 Sep 10–16;329(6135):109

Heat shock factor is regulated differently in yeast and HeLa cells. Sorger PK, et al. **Nature** 1987 Sep 3–9;329(6134):81–4

DNA topoisomerase activity is required as a swivel for DNA replication and for ribosomal RNA transcription. Brill SJ, et al. **NCI Monogr** 1987;(4):11–5

Isolation and characterisation of a murine cDNA clone highly homologous to the yeast L29 ribosomal protein gene. Belhumeur P, et al. **Nucleic Acids Res** 1987 Feb 11; 15(3):1019–29

In vitro construction of yeast tRNAAsp variants: nucleotide substitutions and additions in T-stem and T-loop. Carbon P, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1933–50

Human, yeast and hybrid 3-phosphoglycerate kinase gene expression in yeast. Chen CY, et al. **Nucleic Acids Res** 1987 Jan 26;15(2):643–60

A yeast protein HX has homologies with the histone H2AF expressed in chicken embryo. Delahodde A, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9213–4

Structure of the Saccharomyces cerevisiae gene encoding tRNAIle (IAU). Felici F, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):364

Novobiocin inhibits interactions required for yeast TFIIIB sequestration during stable transcription complex formation in vitro. Felts SJ, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1493–506

Analysis of transcripts of the major cluster of tRNA genes in the mitochondrial genome of S. cerevisiae. Francisci S, et al. **Nucleic Acids Res** 1987 Aug 25;15(16):6387–403

The requirement for the A block promoter element in tRNA gene transcription in vitro depends on the ionic environment. Gabrielsen OS, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5699–713

Sequence of the region 5' to the negative regulatory gene PHO80 of Saccharomyces cerevisiae. Gilliquet V, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5893

Compilation and comparison of the sequence context around the AUG startcodons in Saccharomyces cerevisiae mRNAs. Hamilton R, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3581–93

Genomic sequence coding for tunicamycin resistance in yeast. Hartog KO, et al. **Nucleic Acids Res** 1987 Apr 24; 15(8):3627

A rapid method for determining tRNA charging levels in vivo: analysis of yeast mutants defective in the general control of amino acid biosynthesis. Hill DE, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):10045–51

Biogenesis of mitochondria: DNA sequence analysis of mit- mutations in the mitochondrial oli2 gene coding for mitochondrial ATPase subunit 6 in Saccharomyces cerevisiae. John UP, et al. **Nucleic Acids Res** 1986 Sep 25; 14(18):7437–51

Sequence of the mitochondrial oli2 gene coding for subunit 6 of the mitochondrial ATPase complex in different strains of Saccharomyces. John UP, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):366

The yeast DNA polymerase I transcript is regulated in both the mitotic cell cycle and in meiosis and is also induced after DNA damage. Johnston LH, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5017–30

Analysis of the primary structure and promoter function of a pyruvate decarboxylase gene (PDC1) from Saccharomyces cerevisiae. Kellermann E, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):8963–77

Nucleotide sequence of the Saccharomyces cerevisiae MET25 gene. Kerjan P, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):7861–71

Complete nucleotide sequence of the gene encoding the regulatory subunit of 3',5'-cyclic AMP-dependent protein kinase from the yeast Saccharomyces cerevisiae. Kunisawa R, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):368–9

Sequence and expression of four mutant aspartic acid tRNA genes from the mitochondria of Saccharomyces cerevisiae. Najarian D, et al. **Nucleic Acids Res** 1986 Dec 22; 14(24):9561–78

Biogenesis of mitochondria: a mutation in the 5'-untranslated region of yeast mitochondrial oli1 mRNA leading to impairment in translation of subunit 9 of the mitochondrial ATPase complex. Ooi BG, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1965–77

The ILV5 gene of Saccharomyces cerevisiae is highly expressed. Petersen JG, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9631–51

A YIp5-kanr plasmid useful for isolating ars from yeast and other eukaryotes based on G418 resistance selection. Rao TR, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7504

Analysis of the Kluyveromyces lactis positive regulatory gene LAC9 reveals functional homology to, but sequence divergence from, the Saccharomyces cerevisiae GAL4 gene. Salmeron JM Jr, et al. **Nucleic Acids Res** 1986 Oct 10;14(19):7767–81

cDNA encoding a human homolog of yeast ubiquitin 1. Salvesen G, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5485

Messenger RNA stability in Saccharomyces cerevisiae: the influence of translation and poly(A) tail length. Santiago TC, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2417–29

The relationship between mRNA stability and length in Saccharomyces cerevisiae. Santiago TC, et al. **Nucleic Acids Res** 1986 Nov 11;14(21):8347–60

Effect of point mutations on in vitro transcription from the promoter for the large ribosomal RNA gene of yeast mitochondria. Schinkel AH, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5597–612

The untranslated leader of nuclear COX4 gene of Saccharomyces cerevisiae contains an intron. Schneider JC, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3515–29

The sequence of the Saccharomyces cerevisiae gene PHO2 codes for a regulatory protein with unusual aminoacid composition. Sengstag C, et al. **Nucleic Acids Res** 1987 Jan 12;15(1):233–46

The codon Adaptation Index—a measure of directional synonymous codon usage bias, and its potential applications. Sharp PM, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1281–95

Yeast regulatory sequences preferentially adopt a non-B conformation in supercoiled DNA. Umek RM, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4467–80

Two or more copies of Drosophila heat shock consensus sequence serve to activate transcription in yeast. Wei R, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8183–8

Cloning and characterization of the gene coding for cytoplasmic seryl-tRNA synthetase from Saccharomyces cerevisiae. Weygand-Durasevic I, et al. **Nucleic Acids Res** 1987 Mar 11;15(5):1887–904

Mutations in the mitochondrial oli1 gene of Saccharomyces cerevisiae affecting subunit 9 of the mitochondrial ATPase complex. Willson TA, et al. **Nucleic Acids Res** 1986 Oct 24;14(20):8228

Expression strategies of the yeast retrotransposon Ty: a short sequence directs ribosomal frameshifting. Wilson W, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):7001–16

Analysis of the yeast SPT3 gene and identification of its product, a positive regulator of Ty transcription. Winston F, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6885–900

Structure of yeast regulatory gene LEU3 and evidence that LEU3 itself is under general amino acid control. Zhou K, et al. **Nucleic Acids Res** 1987 Jul 10;15(13):5261–73

Mutagenic and recombinogenic action of DNA monoadducts photoinduced by the bifunctional furocoumarin 8-methoxypsoralen in yeast (Saccharomyces cerevisiae). Averbeck D, et al. **Photochem Photobiol** 1987 Mar; 45(3):371–9

A vector for construction of gene libraries and the expression of heterologous genes in Saccharomyces cerevisiae. Khan MI, et al. **Plasmid** 1987 Mar;17(2):171–2

Regulatory interactions between mitochondrial genes: exon and intron phenotypes observed in vivo can be expressed in vitro. Steinkeler JA, et al. **Plasmid** 1980 Jul;4(1):17–33

Kinetic and segregational analysis of mitochondrial DNA recombination in yeast. Zinn AR, et al. **Plasmid** 1987 May; 17(3):248–56

Sequences from a prokaryotic genome or the mouse dihydrofolate reductase gene can restore the import of a truncated precursor protein into yeast mitochondria. Baker A, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3117–21

Expression of the Saccharomyces cerevisiae glycoprotein invertase in mouse fibroblasts: glycosylation, secretion, and enzymatic activity. Bergh ML, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3570–4

Complete nucleotide sequence of a gene conferring polymyxin B resistance on yeast: similarity of the predicted polypeptide to protein kinases. Boguslawski G, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5848–52

Temperature-sensitive mutations in the yeast DNA polymerase I gene. Budd M, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2838–42

Import and processing of human ornithine transcarbamoylase precursor by mitochondria from Saccharomyces cerevisiae. Cheng MY, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4063–7

SSC1, a member of the 70-kDa heat shock protein multigene family of Saccharomyces cerevisiae, is essential for growth. Craig EA, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4156–60

Recombinational substrates designed to study recombination between unique and repetitive sequences in vivo. Fasullo MT, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6215–9

Soluble factors stimulating secretory protein translocation in bacteria and yeast can substitute for each other. Fecycz IT, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3723–7

TUF, the yeast DNA-binding factor specific for UASrpg upstream activating sequences: identification of the protein and its DNA-binding domain. Huet J, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3648–52

Mutations that inactivate a yeast transcriptional regulatory protein cluster in an evolutionarily conserved DNA binding domain. Johnston M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2401–5

Protein glycosylation in yeast: transcript heterogeneity of the ALG7 gene. Kukuruzinska MA, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2145–9

Cloning and heterologous expression of glycosidase genes from Saccharomyces cerevisiae. Kuranda MJ, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2585–9

Characterization of two members of the rho gene family from the yeast Saccharomyces cerevisiae. Madaule P, et al. **Proc Natl Acad Sci USA** 1987 Feb;84(3):779–83

A segment of GCN4 mRNA containing the upstream AUG codons confers translational control upon a heterologous yeast transcript. Mueller PP, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2863–7

Occurrence in Saccharomyces cerevisiae of a gene homologous to the cDNA coding for the alpha subunit of mammalian G proteins. Nakafuku M, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2140–4

A 24-base-pair DNA sequence from the MAT locus stimulates intergenic recombination in yeast. Nickoloff JA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7831–5

Isolation of an episomal yeast gene and replication origin as chromatin. Pederson DS, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7206–10

Small nuclear RNAs from Saccharomyces cerevisiae: unexpected diversity in abundance, size, and molecular complexity. Riedel N, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8097–101

The yeast PHO5 promoter: phosphate-control elements and sequences mediating mRNA start-site selection. Rudolph H, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1340–4

Ubiquitous upstream repression sequences control activation of the inducible arginase gene in yeast. Sumrada RA, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):3997–4001

The RAD3 gene of Saccharomyces cerevisiae encodes a DNA-dependent ATPase. Sung P, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6045–9

Prokaryotic and eukaryotic RNA polymerases have homologous core subunits. Sweetser D, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1192–6

Nucleotide sequence of the yeast regulatory gene STE7 predicts a protein homologous to protein kinases. Teague MA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7371–5

Homology between the DNA-binding domain of the GCN4 regulatory protein of yeast and the carboxyl-terminal region of a protein coded for by the oncogene jun. Vogt PK, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3316–9

The RBE of neutrons for induced mitotic gene conversion in "error-prone repair" defective yeastUnrau P. **Radiat Res** 1987 Jul;111(1):92–100

The expression of HBsAg gene in yeast under GAL-10 promoter control. Shen LP, et al. **Sci Sin [B]** 1986 Aug; 29(8):856–63

Multiple global regulators control HIS4 transcription in yeast. Arndt KT, et al. **Science** 1987 Aug 21; 237(4817):874–80

Meiotic recombination in yeast: alteration by multiple heterozygosities. Borts RH, et al. **Science** 1987 Sep 18; 237(4821):1459–65

Cloning of large segments of exogenous DNA into yeast by means of artificial chromosome vectors. Burke DT, et al. **Science** 1987 May 15;236(4803):806–12

Homeo domain of the yeast repressor alpha 2 is a sequence-specific DNA-binding domain but is not sufficient for repression. Hall MN, et al. **Science** 1987 Aug 28;237(4818):1007–12

Saturation mutagenesis of the yeast his3 regulatory site: requirements for transcriptional induction and for binding by GCN4 activator protein. Hill DE, et al. **Science** 1986 Oct 24;234(4775):451–7

Transcriptional regulation in the yeast life cycle. Nasmyth K, et al. **Science** 1987 Sep 4;237(4819):1162–70 (74 ref.)

The mitochondrial genotype can influence nuclear gene expression in yeast. Parikh VS, et al. **Science** 1987 Jan 30; 235(4788):576–80

A subset of yeast snRNA's contains functional binding sites for the highly conserved Sm antigen. Riedel N, et al. **Science** 1987 Jan 16;235(4786):328–31

CDC25: a component of the RAS-adenylate cyclase pathway in Saccharomyces cerevisiae. Robinson LC, et al. **Science** 1987 Mar 6;235(4793):1218–21

Saccharomyces cerevisiae has a U1-like small nuclear RNA with unexpected properties. Siliciano PG, et al. **Science** 1987 Sep 18;237(4821):1484–7

Gene disruption indicates that the only essential function of the SKI8 chromosomal gene is to protect Saccharomyces cerevisiae from viral cytopathology. Sommer SS, et al. **Virology** 1987 Mar;157(1):252–6

[Autonomously replicating sequence activity of kinetoplast DNA in yeast cells] Gütter HP, et al. **J Basic Microbiol** 1986;26(8):453–9 (Eng. Abstr.) **(Ger)**

["Artificial" chromosomes]Roth GE. **Naturwissenschaften** 1987 Feb;74(2):78–85 (57 ref.) (Eng. Abstr.) **(Ger)**

[The absence of excision repair of UV-induced DNA damage in Saccharomyces cerevisiae protoplasts] Akhmedov AT, et al. **Dokl Akad Nauk SSSR** 1986;291(2):463–5 **(Rus)**

[High homology of nucleotide sequences of 26S rRNA cistron in Citrus limon and Saccharomyces cerevisiae] Kolosha VO, et al. **Dokl Akad Nauk SSSR** 1986; 290(4):1006–11 **(Rus)**

[Inheritance of artificial mini-chromosomes in Saccharomyces yeasts with instability of native chromosomes] Kuprina NIu, et al. **Dokl Akad Nauk SSSR** 1987;292(3):734–7 **(Rus)**

[Accumulation of artificial minichromosomes in a Saccharomyces cerevisiae mutant with impaired segregation process] Larionov VL, et al. **Dokl Akad Nauk SSSR** 1987;294(6):1493–7 **(Rus)**

[Characteristics of transcripts of sup1 and sup2 genes in Saccharomyces yeasts] Telkov MV, et al. **Dokl Akad Nauk SSSR** 1986;290(4):988–90 **(Rus)**

[Genetic study of plasmid integration into yeast chromosomes. III. Selection for a phenotype of Saccharomyces cerevisiae (Meyen ex Hansen) clones which lost the 2-micron DNA and their genetic testing] Bulat SA, et al. **Genetika** 1987 Mar;23(3):421–30 (Eng. Abstr.) **(Rus)**

[Phenotypic manifestations of yeast transposon insertion in the LYS2 gene and deletions resulting from imprecise excision of the transposon] Chernov IuO, et al. **Genetika** 1987 Jan;23(1):30–40 (Eng. Abstr.) **(Rus)**

[Genetic analysis of mitochondrial rho-mutability in Saccharomyces. I. Polygenic determination of spontaneous rho-mutability: gene-modifiers and srm mutation] Devin AB, et al. **Genetika** 1986 Sep;22(9):2244–51 (Eng. Abstr.) **(Rus)**

[Genetic analysis of the mitochondrial rho-mutability in Saccharomyces. II. Disomy for chromosome IV and spontaneous rho-mutability] Devin AB, et al. **Genetika** 1986 Oct;22(10):2408–15 (Eng. Abstr.) **(Rus)**

[Genetic analysis of mitochondrial rho-mutability in Saccharomyces. III. Comparative analysis of the effect of various nuclear srm mutations and disomy for chromosome IV on rho-mutagenesis] Devin AB, et al. **Genetika** 1986 Dec;22(12):2768–74 (Eng. Abstr.) **(Rus)**

[Genetic study of plasmid integration into yeast chromosomes. IV. Integration of the plasmid pYF91 into different yeast chromosomes] Iarovoi BF, et al. **Genetika** 1987 Mar;23(3):431–9 (Eng. Abstr.) **(Rus)**

[The proof of real increase in the frequency of reverse mutations in haploid yeasts in media with decreased adenine content] Il'ina VL, et al. **Genetika** 1987 Apr;23(4):630–6 (Eng. Abstr.) **(Rus)**

[Relation between the frequency of various types of reverse mutations in yeasts auxotrophic for adenine and the adenine content of the medium] Il'ina VL, et al. **Genetika** 1987 Apr; 23(4):637–42 (Eng. Abstr.) **(Rus)**

[Hybridization of cells of the same mating type in Saccharomyces yeasts] Inge-Vechtomov SG, et al. **Genetika** 1986 Nov;22(11):2625–36 (Eng. Abstr.) **(Rus)**

[Mutants of Saccharomyces cerevisiae characterized by increased level of induced mutagenesis. I. Isolation and preliminary characterization of mutants] Ivanov EL, et al. **Genetika** 1987 May;23(5):784–92 (Eng. Abstr.) **(Rus)**

[A new vector for cloning of genes and replicons in yeasts] Neistat MA, et al. **Genetika** 1986 Nov;22(11):2728–33 (Eng. Abstr.) **(Rus)**

[Mutants of Saccharomyces cerevisiae supersensitive to the mutagenic effect of 6-N-hydroxylaminopurine] Pavlov IuI. **Genetika** 1986 Sep;22(9):2235–43 (Eng. Abstr.) **(Rus)**

[Detection of nucleotide sequences specific for retroviruses in Saccharomyces cells] Ratovitskiĭ EA, et al. **Genetika** 1987 Jan;23(1):21–9 (Eng. Abstr.) **(Rus)**

[Genetic analysis of mitochondrial rho-mutability in Saccharomyces. IV. Relation between spontaneous rho-mutability and mitotic stability in disomic Saccharomyces cerevisiae] Smirnova ME, et al. **Genetika** 1987 Jan;23(1):41–4 (Eng. Abstr.) **(Rus)**

[Isolation of recipient yeast strains for the stable reproduction of 2-micron DNA vectors] Nevzgliadova OV, et al. **Mol Biol (Mosk)** 1986 Sep-Oct;20(5):1273–80 (Eng. Abstr.) **(Rus)**

[Possible enzymatic role of imported tRNA1Lys during splicing of mitochondrial transcripts in yeasts] Soldla TR. **Mol Biol (Mosk)** 1986 Jul-Aug;20(4):1034–8 (Eng. Abstr.) **(Rus)**

[Nucleotide sequence of a mutant allele and wild type allele SUP1 and comparison of transcripts of SUP1 and SUP2 genes] Surguchev AP, et al. **Mol Biol (Mosk)** 1987 Mar-Apr;21(2):347–58 (Eng. Abstr.) **(Rus)**

[Gene transfer using fusion of isolated cell nuclei with protoplasts of the yeast Saccharomyces cerevisiae] Becher D, et al. **Mol Gen Mikrobiol Virusol** 1985 Feb;(2):33–5 (Eng. Abstr.) **(Rus)**

[Recombinant plasmids carrying multiple markers: isolation during yeast co-transformation] Kozhina TN, et al. **Mol Gen Mikrobiol Virusol** 1985 May;(5):31–6 (Eng. Abstr.) **(Rus)**

[Transformation of Hansenula polymorpha, Pichia guilliermondii, Williopsis saturnus yeasts by a plasmid carrying the ADE2 gene of Saccharomyces cerevisiae] Neĭstat MA, et al. **Mol Gen Mikrobiol Virusol** 1986 Dec; (12):19–23 (Eng. Abstr.) **(Rus)**

[Expression of human leukocyte interferon type A in Saccharomyces cerevisiae under the control of regulatory elements of the yeast gene URA3] Nikoshkov AB, et al. **Mol Gen Mikrobiol Virusol** 1987 May;(5):26–32 (Eng. Abstr.) **(Rus)**

[Expression of human leukocyte interferon A gene in Saccharomyces cerevisiae under the control of regulatory yeast elements PHO5, GAL1 and GAL10] Nikoshkov AB, et al. **Mol Gen Mikrobiol Virusol** 1987 Jun;(6):42–5 (Eng. Abstr.) **(Rus)**

[The use of the polyene-resistant mutation model in Saccharomyces as a test-system for detecting genetically active substances] Kvasha VV, et al. **Tsitol Genet** 1986 Nov-Dec;20(6):428–32 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Immersible probe for continual monitoring of the population density of microorganisms grown in liquid media. Maxwell GM, et al. **Appl Environ Microbiol** 1987 Mar;53(3):618–9

Autoconditioning factor relieves ethanol-induced growth inhibition of Saccharomyces cerevisiae. Walker-Caprioglio HM, et al. **Appl Environ Microbiol** 1987 Jan;53(1):33–5

Most of the yeast genomic sequences are not essential for cell growth and division. Goebl MG, et al. **Cell** 1986 Sep 26;46(7):98 -92

Dual regulation of the yeast CDC28-p40 protein kinase complex: cell cycle, pheromone, and nutrient limitation effects. Mendenhall MD, et al. **Cell** 1987 Sep 11; 50(6):927–35

Control of cell growth and division in Saccharomyces cerevisiae. Hanes SD, et al. **CRC Crit Rev Biochem** 1986; 21(2):153–223 (450 ref.)

Effect of growth phase on phospholipid biosynthesis in Saccharomyces cerevisiae. Homann MJ, et al. **J Bacteriol** 1987 Feb;169(2):533–9

Effect of cell cycle position on thermotolerance in Saccharomyces cerevisiae. Plesset J, et al. **J Bacteriol** 1987 Feb;169(2):779–84

Unequal division in Saccharomyces cerevisiae and its implications for the control of cell division. Hartwell LH, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):422–35

Water stress plating hypersensitivity of yeasts. Mackenzie KF, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):2053–6

A formal mortality analysis for populations of unicellular organisms (Saccharomyces cerevisiae). Pohley HJ. **Mech Ageing Dev** 1987 May;38(3):231–43

Phosphorylation of the Saccharomyces cerevisiae equivalent of ribosomal protein S6 has no detectable effect on growth. Johnson SP, et al. **Mol Cell Biol** 1987 Apr;7(4):1338–45

Initiation of meiosis and sporulation in Saccharomyces cerevisiae does not require a decrease in cyclic AMP. Olempska-Beer Z, et al. **Mol Cell Biol** 1987 Jun;7(6):2141–7

IMMUNOLOGY

Visualization of surface antigens on yeast protoplasts by gold or ferritin markers. Yamaguchi M, et al. **Cell Struct Funct** 1987 Feb;12(1):131–4

Role of complement receptor type three and serum opsonins in the neutrophil response to yeast. Cain JA, et al. **Complement** 1987;4(2):75–86

Therapeutic concentrations of griseofulvin do not affect yeast cell phagocytosis by monocytes. Athlin L, et al. **Dermatologica** 1987;174(3):122–7

Evidence for the cell-surface localization of antigens cross-reacting with the "mitochondrial antibodies" of primary biliary cirrhosis. Ghadiminejad I, et al. **Hepatology** 1987 Jul-Aug;7(4):743–9

The effects of soluble Saccharomyces cerevisiae mannan on the phagocytosis of Candida albicans by mouse peritoneal macrophages in vitro. Kolotila MP, et al. **J Med Vet Mycol** 1987 Apr;25(2):85–96

Protective effect of acidic mannan fraction of bakers' yeast on experimental candidiasis in mice. Okawa Y, et al. **Microbiol Immunol** 1986;30(10):957–67

[Animal experiment and cell biology study of Saccharomyces cerevisiae Hansen CBS 5926 in the non-specific enhancement of resistance to infection] Petzoldt K, et al. **Arzneimittelforschung** 1986 Jul;36(7):1085–8 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Isolation and characterization of a yeast mutant defective in cholinephosphotransferase. Hosaka K, et al. **Eur J Biochem** 1987 Jan 2;162(1):7–13

METABOLISM

Regulation of carbon metabolism in Saccharomyces cerevisiae and related yeasts. Käppeli O. **Adv Microb Physiol** 1986;28:181–209 (66 ref.)

Protein glycosylation in yeast. Kukuruzinska MA, et al. **Annu Rev Biochem** 1987;56:915–44 (123 ref.)

Direct fermentation of potato starch to ethanol by cocultures of Aspergillus niger and Saccharomyces cerevisiae. Abouzied MM, et al. **Appl Environ Microbiol** 1986 Nov; 52(5):1055–9

Transport of lactate and other short-chain monocarboxylates in the yeast Saccharomyces cerevisiae. Cássio F, et al. **Appl Environ Microbiol** 1987 Mar;53(3):509–13

Ethanol production during batch fermentation with Saccharomyces cerevisiae: changes in glycolytic enzymes and internal pH. Dombek KM, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1286–91

Magnesium limitation and its role in apparent toxicity of ethanol during yeast fermentation. Dombek KM, et al. **Appl Environ Microbiol** 1986 Nov;52(5):975–81

Early metabolic effects and mechanism of ammonium transport in yeast. Peña A, et al. **Arch Biochem Biophys** 1987 Mar;253(2):431–8

Glycerol production in relation to the ATP pool and heat production rate of the yeasts Debaryomyces hansenii and Saccharomyces cerevisiae during salt stress. Larsson C, et al. **Arch Microbiol** 1987 May;147(4):358–63

Incorporation of mannoproteins into the walls of aculeacin A-treated yeast cells. Valentín E, et al. **Arch Microbiol** 1986 Dec;146(3):214–20

Multiple inducible cytochromes P-450 in yeast. Bronzetti G, et al. **Basic Life Sci** 1986;39:343–8

Anomeric specificity of glucose effect on cAMP, fructose 1,6-bisphosphatase, and trehalase in yeast. Toyoda Y, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):212–7

Catalytic properties of the yeast phospholipid transfer protein. Bozzato RP, et al. **Biochem Cell Biol** 1987 Mar; 65(3):203–10

Purification and properties of two phospholipid transfer proteins from yeast. Bozzato RP, et al. **Biochem Cell Biol** 1987 Mar;65(3):195–202

Role of phospholipid fatty acids on the kinetics of high and low affinity sites of cytochrome c oxidase. Trivedi A, et al. **Biochem Cell Biol** 1986 Nov;64(11):1195–210

Transfer RNA contains sites of localized positive charge: carbon NMR studies of [13C]methyl-enriched Escherichia coli and yeast tRNAPhe. Agris PF, et al. **Biochemistry** 1986 Sep 9;25(18):5126–31

Reduction of cytochrome b in mitochondria from yeast lacking coenzyme Q. Clejan L, et al. **Biochemistry** 1986 Dec 2;25(24):7984–91

Guanidine hydrochloride induced equilibrium unfolding of mutant forms of iso-1-cytochrome c with replacement of proline-71. Ramdas L, et al. **Biochemistry** 1986 Nov 4; 25(22):6952–8

Incorporation of a synthetic mitochondrial signal peptide into charged and uncharged phospholipid monolayers. Tamm LK. **Biochemistry** 1986 Nov 18;25(23):7470–6

A study of the mechanism by which inhibitors of the plasmamembrane ATPase enhance uptake of divalent cations in yeast. Borst-Pauwels GW, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):413–9

Expression of human antithrombin III in Saccharomyces cerevisiae and Schizosaccharomyces pombe. Bröker M, et al. **Biochim Biophys Acta** 1987 Apr 29;908(3):203–13

An assessment of the ability of yeast cells to incorporate photolabile fatty acids into their membrane phospholipids in vivo. Hibbs AR, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):445–50

Possible role of histidine in the L-proline transport system of Saccharomyces cerevisiae. Horák J. **Biochim Biophys Acta** 1986 Nov 17;862(2):407–12

Energy-dependent formation of free ATP in yeast submitochondrial particles, and its stimulation by oligomycin. Lundin M, et al. **Biochim Biophys Acta** 1987 Mar 4;890(3):279–85

L-malic-acid permeation in resting cells of anaerobically grown Saccharomyces cerevisiae. Salmon JM. **Biochim Biophys Acta** 1987 Jul 10;901(1):30–4

Evidence for non-vacuolar proteolytic catabolite inactivation of yeast fructose-1,6-bisphosphatase. Schäfer W, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):150–5

Effect of xylose incubation on the glucose transport system in Saccharomyces cerevisiae. Schuddemat J, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):489–93

Protein glycosylation in yeast. Tanner W, et al. **Biochim Biophys Acta** 1987 Apr 27;906(1):81–99 (226 ref.)

The origin of the sulfur atom of thiamin. Tazuya K, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):210–5

Effect of ruthenium red upon Ca2+ and Mn2+ uptake in Saccharomyces cerevisiae. Comparison with the effect of La3+. van der Pal RH, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):19–23

Inhibition of yeast mitochondrial F1-ATPase, F0F1-ATPase and submitochondrial particles by rhodamines and ethidium bromide. Wieker HJ, et al. **Biochim Biophys Acta** 1987 Jun 9;892(1):108–17

Accumulation of dinucleoside polyphosphates in Saccharomyces cerevisiae under stress conditions. High levels are associated with cell death. Baltzinger M, et al. **Biochimie** 1986 Oct-Nov;68(10–11):1231–6

Thallium antagonism toward potassium dependent systems. Siegel BZ, et al. **Bioinorg Chem** 1976;6(3):229–32

Inhibition of yeast respiration and fermentation by benomyl, carbendazim, isocyanates, and other fungicidal chemicals. Chiba M, et al. **Can J Microbiol** 1987 Feb;33(2):157–61

Effect of ethanol on the glucose-induced movements of protons across the plasma membrane of Saccharomyces cerevisiae NCYC 431. Juroszek JR, et al. **Can J Microbiol** 1987 Feb;33(2):93–7

Yeast peptide pheromones, a-factor and alpha-factor, activate a common response mechanism in their target cells. Bender A, et al. **Cell** 1986 Dec 26;47(6):929–37

Purification and characterization of a new peptide-mannan, SP-I, as a gastric secretion-inhibitory principle from autolysate of brewer's yeast. Mimura T, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3312–9

Regeneration of the GTP-bound from the GDP-bound form of human and yeast ras proteins by nucleotide exchange. Stimulatory effect of organic and inorganic polyphosphates. De Vendittis E, et al. **Eur J Biochem** 1986 Dec 1;161(2):473–8

Internal acidification and cAMP increase are not correlated in Saccharomyces cerevisiae. Eraso P, et al. **Eur J Biochem** 1987 Jun 15;165(3):671–4

Changes in the concentration of cAMP, fructose 2,6-bisphosphate and related metabolites and enzymes in Saccharomyces cerevisiae during growth on glucose. François J, et al. **Eur J Biochem** 1987 Apr 15;164(2):369–73

Protein synthesis in yeast Saccharomyces cerevisiae. Purification of Co-eIF-2A and 'mRNA-binding factor(s)' and studies of their roles in Met-tRNAf.40S.mRNA complex formation. Nasrin N, et al. **Eur J Biochem** 1986 Nov 17;161(1):1–6

17th Sir Hans Krebs lecture. Signals guiding proteins to their correct locations in mitochondria. Schatz G. **Eur J Biochem** 1987 May 15;165(1):1–6

The cytoplasmic pH, ATP content and total protein synthesis rate during heat-shock protein inducing treatments in yeast. Weitzel G, et al. **Exp Cell Res** 1987 May;170(1):64–79

Fatty acid synthesis in mitochondria from Saccharomyces cerevisiae. Bessoule JJ, et al. **FEBS Lett** 1987 Apr 6; 214(1):158–62

Inactivation of the galactose transport system in Saccharomyces cerevisiae. DeJuan C, et al. **FEBS Lett** 1986 Oct 27;207(2):258–61

Accessibility of phosphodiester bonds in the yeast ribosomal 5 S RNA protein complex. McDougall J, et al. **FEBS Lett** 1986 Dec 1;209(1):52–6

The effects of protein synthesis inhibition, and of mutations rna1.1 and rna82.1, on the synthesis of small RNAs in yeast. Piper PW, et al. **FEBS Lett** 1987 Apr 6;214(1):143–8

Kinetics of delta 5,7-sterol accumulation during growth of Saccharomyces cerevisiae. Novotný C, et al. **Folia Microbiol (Praha)** 1987;32(1):13–23

Synthesis and processing of Semliki forest virus polyprotein in Saccharomyces cerevisiae: a yeast type glycosylation of E1 envelope protein. Keränen S. **Gene** 1986; 48(2–3):267–75

Regulation of allantoate transport in wild-type and mutant strains of Saccharomyces cerevisiae. Chisholm VT, et al. **J Bacteriol** 1987 Apr;169(4):1684–90

Coordinate regulation of phospholipid biosynthesis by serine in Saccharomyces cerevisiae. Homann MJ, et al. **J Bacteriol** 1987 Jul;169(7):3276–80

Regulation of dipeptide transport in Saccharomyces cerevisiae by micromolar amino acid concentrations. Island MD, et al. **J Bacteriol** 1987 May;169(5):2132–6

Glucose transport in a kinaseless Saccharomyces cerevisiae mutant. Lang JM, et al. **J Bacteriol** 1987 Jul;169(7):2932–7

Interaction of alpha-agglutinin with Saccharomyces cerevisiae a cells. Lipke PN, et al. **J Bacteriol** 1987 Feb; 169(2):483–8

Regulation of ergosterol biosynthesis and sterol uptake in a sterol-auxotrophic yeast. Lorenz RT, et al. **J Bacteriol** 1987 Aug;169(8):3707–11

Glucose transport in vesicles reconstituted from Saccharomyces cerevisiae membranes and liposomes. Ongjoco R, et al. **J Bacteriol** 1987 Jul;169(7):2926–31

Mediation, by Saccharomyces cerevisiae translocation signals, of beta-lactamase transport through the Escherichia coli inner membrane and sensitive method for detection of signal sequences. Roggenkamp R, et al. **J Bacteriol** 1986 Oct;168(1):467–9

Ureidosuccinate is transported by the allantoate transport system in Saccharomyces cerevisiae. Turoscy V, et al. **J Bacteriol** 1987 Jun;169(6):2598–600

Possible involvement of acetyl coenzyme A carboxylase as well as fatty acid synthetase in the temperature-controlled synthesis of fatty acids in Saccharomyces cerevisiae. Hori T, et al. **J Biochem (Tokyo)** 1987 Apr;101(4):949–56

Identification of guanine nucleotides bound to ras-encoded proteins in growing yeast cells. Gibbs JB, et al. **J Biol Chem** 1987 Aug 5;262(22):10426–9

Characterization of the fusion of enveloped viruses with the plasma membrane of Saccharomyces cerevisiae spheroplasts. Makarow M, et al. **J Biol Chem** 1987 Feb 5;262(4):1836–41

Transport of a fluorescent macromolecule via endosomes to the vacuole in Saccharomyces cerevisiae. Makarow M, et al. **J Cell Biol** 1987 Jan;104(1):67–75

Effect of mitochondrial cytochromes and haem content on cytochrome P450 in Saccharomyces cerevisiae. Meussdoerffer F, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2187–93

Transport and hydrolysis of peptides in Saccharomyces cerevisiae. Moneton P, et al. **J Gen Microbiol** 1986 Aug; 132 (Pt 8):2147–53

Yeast alpha-factor and somatostatin enhance binding of [3H]estradiol to proteins in rat pancreas and Saccharomyces cerevisiae. Grossman A, et al. **J Steroid Biochem** 1986 Sep;25(3):299–304

Immobilization of microbial cells on transition metal-activated supports. Cabral JM, et al. **Methods Enzymol** 1987;135:357–72

Gel entrapment of whole cells in cross-linked prepolymerized polyacrylamide-hydrazide gels. Freeman A. **Methods Enzymol** 1987;135:216–22

Immobilization of enzymes and microbial cells in gelatin. Scardi V. **Methods Enzymol** 1987;135:293–9

Cytochromes P-450 of yeasts. Käppeli O. **Microbiol Rev** 1986 Sep;50(3):244–58 (107 ref.)

Uptake of nystatin by sensitive and resistant cells of Saccharomyces cerevisiae. Beezer AE, et al. **Microbios** 1986;47(192–193):165–76

Uptake of nystatin by protoplasts of sensitive and resistant cells of Saccharomyces cerevisiae. Beezer AE, et al. **Microbios** 1986;48(194):7–16

Properties of glucose uptake in vegetative and sporulating cells of Saccharomyces cerevisiae. Ota A. **Microbios** 1986; 48(194):17–26

Modification of 40S ribosomal subunits from yeast with dimethylmaleic anhydride. Hernández F, et al. **Mol Biol Rep** 1986;11(3):137–41

Isolation of a Saccharomyces cerevisiae centromere DNA-binding protein, its human homolog, and its possible role as a transcription factor. Bram RJ, et al. **Mol Cell Biol** 1987 Jan;7(1):403–9

Fatty acylation is important but not essential for Saccharomyces cerevisiae RAS function. Deschenes RJ, et al. **Mol Cell Biol** 1987 Jul;7(7):2344–51

Binding of alpha-factor pheromone to Saccharomyces cerevisiae a cells: dissociation constant and number of binding sites. Jenness DD, et al. **Mol Cell Biol** 1986 Jan; 6(1):318–20

Effect of deletion and insertion on double-strand-break repair in Saccharomyces cerevisiae. Struhl K. **Mol Cell Biol** 1987 Mar;7(3):1300–3

Endogenous promutagen activation in the yeast Saccharomyces cerevisiae: factors influencing aflatoxin B1 mutagenicity. Niggli B, et al. **Mutat Res** 1986 Dec; 175(4):223–9

Possible involvement of RAS-encoded proteins in glucose-induced inositolphospholipid turnover in Saccharomyces cerevisiae. Kaibuchi K, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8172–6

Characterization of avian and viral p60src proteins expressed in yeast. Kornbluth S, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4455–9

Yeast cytochrome c with phenylalanine or tyrosine at position 87 transfers electrons to (zinc cytochrome c peroxidase)+ at a rate ten thousand times that of the serine-87 or glycine-87 variants. Liang N, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1249–52

Expression of the RNA genome of an animal virus in Saccharomyces cerevisiae. Makarow M, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8117–21

Mismatch correction catalyzed by cell-free extracts of Saccharomyces cerevisiae. Muster-Nassal C, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7618–22

Expression and glycosylation of the respiratory syncytial virus G protein in Saccharomyces cerevisiae. Ding MX, et al. **Virology** 1987 Aug;159(2):450–3

[Cadmium binding peptides in fission yeast] Murasugi A. **Seikagaku** 1986 Mar;58(3):182–7 (20 ref.) **(Jpn)**

[Killer phenomenon in yeast: biosynthesis and mode of action of the killer toxin] Ouchi K. **Seikagaku** 1986 Oct; 58(10):1292–300 (15 ref.) **(Jpn)**

PATHOGENICITY

[Interactions between the pathogenic fungi Candida and Torulopsis and the deadly strains of Saccharomyces cerevisiae and Torulopsis glabrata] Budak A, et al. **Med Dosw Mikrobiol** 1986;38(4):222–7 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Protein localization and membrane traffic in yeast. Schekman R. **Annu Rev Cell Biol** 1985;1:115–43 (140 ref.)

An improved method for protoplast formation and its application in the fusion of Rhodotorula rubra with Saccharomyces cerevisiae. Evans CT, et al. **Arch Microbiol** 1987 Jun;148(1):77–82

Electrochemical potential and ion transport in vesicles of yeast plasma membrane. Calahorra M, et al. **Biochim Biophys Acta** 1987 May 29;899(2):229–38

The effect of mercuric salts on the electro-rotation of yeast cells and comparison with a theoretical model. Geier BM, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):45–55

The role of cAMP in controlling yeast cell division. Ishikawa T, et al. **Bioessays** 1986 Feb;4(2):52–6

Cell surface specific immunoglobulin inhibits alpha factor mediated morphogenesis in Saccharomyces cerevisiae. Merkel GJ, et al. **Can J Microbiol** 1987 Apr;33(4):331–5

Structure-activity relationships of the yeast alpha-factor. Naider F, et al. **CRC Crit Rev Biochem** 1986;21(3):225–48 (90 ref.)

Exocytosis in Saccharomyces cerevisiae treated with congo red. Vannini GL, et al. **Cytobios** 1987;49(197):89–97

Loss of heat-shock acquisition of thermotolerance in yeast is not correlated with loss of heat-shock proteins. Cavicchioli R, et al. **FEBS Lett** 1986 Oct 20;207(1):149–52

Modulation of macrophage activity by microorganisms. Sen V, et al. **Indian J Exp Biol** 1986 Oct;24(10):650–4

Germination conditions that require mitochondrial function in Saccharomyces cerevisiae: utilization of acetate and galactose. Donnini C, et al. **J Bacteriol** 1986 Dec; 168(3):1250–3

Agglutination and mating activity of the MF alpha 2-encoded alpha-factor analog in Saccharomyces cerevisiae. Kurjan J, et al. **J Bacteriol** 1986 Dec; 168(3):1472–5

Biological activity of the Asn-5,Arg-7 tridecapeptide encoded by MF alpha 2 of Saccharomyces cerevisiae. Raths S, et al. **J Bacteriol** 1986 Dec;168(3):1468–71

Identification of glycoprotein components of alpha-agglutinin, a cell adhesion protein from Saccharomyces cerevisiae. Terrance K, et al. **J Bacteriol** 1987 Feb;169(2):475–82

A genetic and biochemical analysis of the role of gluconeogenesis in sporulation of Saccharomyces cerevisiae. Dickinson JR, et al. **J Gen Microbiol** 1986 Sep;

132 (Pt 9):2605–10
Saccharomyces cerevisiae nuclear fusion requires prior activation by alpha factor. Rose MD, et al. **Mol Cell Biol** 1986 Oct;6(10):3490–7
Viruses in fungi: infection of yeast with the K1 and K2 killer viruses. el–Sherbeini M, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4293–7

RADIATION EFFECTS

Effect of millimeter–wave irradiation on growth of Saccharomyces cerevisiae. Furia L, et al. **IEEE Trans Biomed Eng** 1986 Nov;33(11):993–9
Alkaline step elution analysis of gamma–ray induced DNA strand breaks and repair in diploid yeast. Cundari E, et al. **Int J Radiat Biol** 1987 Mar;51(3):519–26
Effect of cellular glutathione content on the induction of DNA double strand breaks by 25 MeV electrons. Frankenberg D, et al. **Int J Radiat Biol** 1987 Aug; 52(2):185–90
Possible occurrence of DNA double–strand breaks during repair of u.v.–induced damage in yeast. Frankenberg–Schwager M, et al. **Int J Radiat Biol** 1987 Jul;52(1):107–13
Contribution of a photoreactivable component to the oxygen effect observed in certain rad mutants of Saccharomyces cerevisiae after exposure to high energy electrons. Tsyb TS, et al. **Int J Radiat Biol** 1987 Apr;51(4):655–64
Expression of the denV gene of coliphage T4 in UV–sensitive rad mutants of Saccharomyces cerevisiae. Valerie K, et al. **Mol Cell Biol** 1986 Oct;6(10):3559–62
Mutational alterations induced in yeast by ionizing radiation. Das G, et al. **Mutat Res** 1986 Dec;163(3):233–45
UV response of the temperature–conditional rad 54 mutant of the yeast Saccharomyces cerevisiae. Kiefer J. **Mutat Res** 1987 May;191(1):9–12
Repair of UV–irradiated plasmid DNA in Saccharomyces cerevisiae. Inability to complement mutational defects in excision repair by in vitro treatment with Micrococcus luteus UV endonuclease. White CI, et al. **Mutat Res** 1987 Mar;183(2):161–7
Action spectra for inactivation and membrane damage of Saccharomyces cerevisiae cells irradiated in vacuum by monochromatic synchrotron UV radiation (155–250 nm). Hieda K, et al. **Photochem Photobiol** 1986 Sep;44(3):409–11
Sensitivities to monochromatic 254–nm and 365–nm radiation of closely related strains of Saccharomyces cerevisiae with differing repair capabilities. Roth RM, et al. **Photochem Photobiol** 1987 Apr;45(4):479–83
[Fundamental model assays on chemical damages to ribonucleic acids caused by oxygen radicals in aqueous solution] Lickl E, et al. **Strahlenther Onkol** 1986 Dec; 162(12):775–8 (Eng. Abstr.) **(Ger)**
[Effect of the dose rate on the synergism of combined ionizing radiation and hyperthermia] Zhurakovskaia GP, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):487–92 (Eng. Abstr.) **(Rus)**
[The relationship of the processes of recovery from thermal and radiation damage in yeast cells] Glazunov AV, et al. **Tsitologiia** 1986 Sep;28(9):993–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The plasma membrane of yeast protoplasts exposed to hypotonicity becomes porous but does not disintegrate in the presence of protons or polyvalent cations. Kováč L, et al. **Biochim Biophys Acta** 1987 May 29;899(2):265–75
Tritium exchange kinetics of yeast ribosomal subunits. Lee JC, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):109–12
Yeasts in molecular biology. Spheroplast preparation with Candida utilis, Schizosaccharomyces pombe and Saccharomyces cerevisiae. Mann W, et al. **Biosci Rep** 1986 Jul;6(7):597–602
Immunofluorescence of the microtubular skeleton in growing and drug–treated yeast protoplasts. Hašek J, et al. **Eur J Cell Biol** 1986 Aug;41(2):150–6
Ultrastructure of two secretory mutants of Saccharomyces cerevisiae as revealed by freeze–fracture technique. Nečas O, et al. **Eur J Cell Biol** 1986 Aug;41(2):165–73
Product of SEC53 is required for folding and glycosylation of secretory proteins in the lumen of the yeast endoplasmic reticulum. Feldman RI, et al. **J Biol Chem** 1987 Jul 5; 262(19):9332–9
Protein topography of the 40 S ribosomal subunit from Saccharomyces cerevisiae as shown by chemical cross–linking. Yeh YC, et al. **J Biol Chem** 1986 Oct 25; 261(30):14148–53
Purification and characterization of constitutive secretory vesicles from yeast. Walworth NC, et al. **J Cell Biol** 1987 Jul;105(1):163–74
Effect of osmotic stress on the ultrastructure and viability of the yeast Saccharomyces cerevisiae. Morris GJ, et al. **J Gen Microbiol** 1986 Jul;132 (Pt 7):2023–34
Morphological observations on the formation and stability of the crystalline arrays in the plasma membrane of Saccharomyces cerevisiae. Sosinsky G, et al. **J Ultrastruct Mol Struct Res** 1986 Jan;94(1):37–51
Isolation of mitotic spindles and spindle pole bodies from yeast. Hyams JS, et al. **Methods Enzymol** 1986;134:225–32
[Mycoviruses associated with the killer character in yeasts] Martín I, et al. **Microbiol Esp** 1986 Jan–Dec;39(1–4):23–8 (Eng. Abstr.) **(Spa)**

SACCHAROMYCOPSIS see under **ENDOMYCETALES**

SACCHAROPINE DEHYDROGENASES see under **AMINE OXIDOREDUCTASES**

SACCULE AND UTRICLE

The endolymphatic sac in a mouse mutant with cochleo–saccular degeneration. Electrophysiological and ultrastructural correlations. Rask–Andersen H, et al. **Hear Res** 1987;26(2):177–90
[Long–latency evoked potentials in evaluation of the sensory threshold of the otolithic apparatus] Bazarov VG, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):68–9 **(Rus)**

ABNORMALITIES

Strial dysfunction in mice with cochleo–saccular abnormalities. Steel KP, et al. **Hear Res** 1987;27(1):11–26

ANATOMY & HISTOLOGY

[Structure and function of otoliths] Shipov AA, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):11–9 (35 ref.) (Eng. Abstr.) **(Rus)**

CYTOLOGY

Pigmented epithelial cells of the membranous saccular wall of the chinchilla. Wright CG, et al. **Acta Otolaryngol (Stockh)** 1986 Nov–Dec;102(5–6):438–49
Adaptation of mechanoelectrical transduction in hair cells of the bullfrog's sacculus. Eatock RA, et al. **J Neurosci** 1987 Sep;7(9):2821–36

EMBRYOLOGY

Genes, manganese, and zinc in formation of otoconia: labeling, recovery, and maternal effects. Erway LC, et al. **Scan Electron Microsc** 1986;(Pt 4):1681–94
Review of statoconia formation in birds and original research in chicks (Gallus domesticus). Fermin CD, et al. **Scan Electron Microsc** 1986;(Pt 4):1649–65 (98 ref.)
Development of the otolith in embryonic fishes with special reference to the toadfish, Opsanus tau. Sokolowski BH. **Scan Electron Microsc** 1986;(Pt 4):1635–48

GROWTH & DEVELOPMENT

Atomic emission and proton microprobe studies of the ion content of otoliths of chinook salmon aimed at recovering the temperature life history of individuals. Gauldie RW, et al. **Comp Biochem Physiol [A]** 1986;84(4):607–15
[Morphologic changes in the otoconial membrane of the macula utriculi in pre– and postnatal growing rats] Brachmann A, et al. **Z Mikrosk Anat Forsch** 1987; 101(2):375–82 (Eng. Abstr.) **(Ger)**

INJURIES

Impulse noise induced damage in the vestibular end organs of the guinea pig. A light microscopic study. Ylikoski J. **Acta Otolaryngol (Stockh)** 1987 May–Jun;103(5–6):415–21

INNERVATION

Potassium–evoked release of endogenous primary amine–containing compounds from the trout saccular macula and saccular nerve in vitro. Drescher MJ, et al. **Brain Res** 1987 Aug 4;417(1):39–50
Response dynamics of goldfish saccular fibers: effects of stimulus frequency and intensity on fibers with different tuning, sensitivity, and spontaneous activity. Coombs S, et al. **J Acoust Soc Am** 1987 Apr;81(4):1025–35
Cytoarchitecture and saccular innervation of nucleus y in the mouse. Frederickson CJ, et al. **J Comp Neurol** 1986 Oct 15;252(3):302–22
Distribution of vestibular afferents that innervate the sacculus and posterior canal in the gerbil. Kevetter GA, et al. **J Comp Neurol** 1986 Dec 15;254(3):410–24
Intra–axonal labeling of saccular afferents in the goldfish, Carassius auratus: correlations between morphological and physiological characteristics. Sento S, et al. **J Comp Neurol** 1987 Apr 15;258(3):352–67

PATHOLOGY

Observations on the size of the saccule in laryngectomy specimens. Birt D. **Laryngoscope** 1987 Feb;97(2):190–200

PHYSIOLOGY

Otolithic evoked potentials: a new technique for vestibular studies. Kast R, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct;102(3–4):175–8
Transepithelial electrical potential of nonsensory region of gerbil utricle in vitro. Marcus DC. **Am J Physiol** 1986 Nov; 251(5 Pt 1):C662–70
Mechanics of the otolith organ—dynamic response. Grant JW, et al. **Ann Biomed Eng** 1986;14(3):241–56
Response characteristics of neurons in the cat vestibular nuclei during slow and constant velocity off–vertical axes rotations in the clockwise and counterclockwise rotations. Chan YS, et al. **Brain Res** 1987 Mar 17;406(1–2):294–301
European vestibular experiments on the Spacelab–1 mission: 6. Yaw axis vestibulo–ocular reflex. Benson AJ, et al. **Exp Brain Res** 1986;64(2):279–83
European vestibular experiments on the Spacelab–1 mission: 5. Contribution of the otoliths to the vertical vestibulo–ocular reflex. Berthoz A, et al. **Exp Brain Res** 1986;64(2):272–8
Dynamic properties of the vertical otolith neck reflexes in the alert cat. Lacour M, et al. **Exp Brain Res** 1987; 65(3):559–68
European vestibular experiments on the Spacelab–1 mission: 7. Ocular counterrolling measurements pre– and post–flight. Vogel H, et al. **Exp Brain Res** 1986; 64(2):284–90
M.I.T./Canadian vestibular experiments on the Spacelab–1 mission: 3. Effects of prolonged weightlessness on a human otolith–spinal reflex. Watt DG, et al. **Exp Brain Res** 1986; 64(2):308–15
Neuronal coding of linear motion in the vestibular nuclei of the alert cat. I. Response characteristics to vertical otolith stimulation. Xerri C, et al. **Exp Brain Res** 1987; 65(3):569–81
Mechanical relaxation of the hair bundle mediates adaptation in mechanoelectrical transduction by the bullfrog's saccular hair cell. Howard J, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3064–8
[A study of compensatory eye movements induced by sinusoidal linear accelerations—frequency response of the maculo–ocular reflex and the functional polarity of the otolith organ in human subjects] Fujino A. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Mar;90(3):335–47 (Eng. Abstr.) **(Jpn)**
[Phasic components of isolated frog utricle—the effect of pH value] Shirane M. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jul;89(7):839–42 (Eng. Abstr.) **(Jpn)**
[Mathematical model of the otolith] Kondrachuk AV, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):66–70 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effect of macular ablation on frequency and latency of motion–induced emesis in the squirrel monkey. Brizzee KR, et al. **Aviat Space Environ Med** 1986 Nov;57(11):1066–70
Asymmetric otolith function and increased susceptibility to motion sickness during exposure to variations in gravitoinertial acceleration level. Lackner JR, et al. **Aviat Space Environ Med** 1987 Jul;58(7):652–7
[Oculomotor reactions in healthy persons and in patients with chronic suppurative otitis media (data of direct otolithometry)] Pal'chun VT, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):13–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The suprastructure of the saccular macula. Ross MD, et al. **Acta Otolaryngol (Stockh)** 1987 Jan–Feb;103(1–2):56–63
Otoconial pathology in a strain of the waltzing guinea pig. Sobin A, et al. **Am J Otol** 1986 Nov;7(6):449–53
Ultrastructural changes of statoconia after segmentation of the otolithic membrane. Fermin CD, et al. **Hear Res** 1987; 28(1):23–34
Ultrastructural morphology and protein content of the internal organic material of rat otoconia. Pote KG, et al. **J Ultrastruct Mol Struct Res** 1986 Apr–Jun;95(1–3):61–70
Implications of otoconial changes in microgravity. Ross MD. **Physiologist** 1987 Feb;30(1 Suppl):S90–3
Studies of otoconial development in a "giant–crystal" strain of chicks using scanning electron microscopy, polarized light microscopy, and X–ray crystallography. Ballarino J, et al. **Scan Electron Microsc** 1986;(Pt 4):1667–80
Otoconia as test masses in biological accelerometers: what can we learn about their formation from evolutionary studies and from work in microgravity? Ross MD, et al. **Scan Electron Microsc** 1986;(Pt 4):1695–704

SACRAL PLEXUS see **LUMBOSACRAL PLEXUS**

SACRAL REGION see **SACROCOCCYGEAL REGION**

SACROCOCCYGEAL REGION

Presacral ganglioneuroma. Case report. Andersen HJ, et al. **Acta Chir Scand** 1986 Dec;152:777–8
Demonstration of pituitary tissue with 6 cells immunoreactive to pituitary hormones in a sacrococcygeal teratoma. Ikeda H, et al. **Acta Pathol Jpn** 1987 Jan;37(1):117–22
Sacrococcygeal teratoma: prenatal diagnosis and management. Gross SJ, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):393–6
Fine–needle aspiration of metastatic sacrococcygeal myxopapillary ependymoma. Wahl RW. **Diagn Cytopathol** 1986 Sep;2(3):261–3
Subcutaneous myxopapillary ependymoma. Rutherfoord GS, et al. **Histopathology** 1987 Feb;11(2):218–20
Sacrococcygeal teratoma: an analysis of 37 cases. Singhal GD, et al. **Indian J Pediatr** 1986 Jan–Feb;53(1):115–8
Sacrococcygeal teratoma: has chemotherapy improved survival? Dewan PA, et al. **J Pediatr Surg** 1987 Mar; 22(3):274–7
[Sacrococcygeal chordoma] Uhrenholt L, et al. **Ugeskr Laeger** 1986 Oct 13;148(42):2691–2 (Eng. Abstr.) **(Dan)**
[Sacrococcygeal teratoma in 2 fetuses at 5 and 6 months] Satge D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;

16(4):495–8 (Eng. Abstr.) (Fre)
[Coccygodynia—a diagnostic and therapeutic problem in orthopedics] Tilscher H, et al. **Z Orthop** 1986 Sep–Oct; 124(5):628–32 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Evaluation of neonatal sacrococcygeal teratoma by DSA and direct sagittal CT. Keller MS, et al. **Br J Radiol** 1985 Nov; 58(695):1120–2
[Retro-rectal neoplasms in the adult. Apropos of a sacrococcygeal giant cell tumor] Boumghar M. **Rev Med Suisse Romande** 1986 Aug;106(8):703–9 (Fre)

SURGERY

Experience in plastic operations on sacrococcygeal teratomas in children. Bushmelev VA, et al. **Acta Chir Plast** 1987; 29(1):33–40
Cryosurgical treatment of sacrococcygeal chordoma. Report of four cases. de Vries J, et al. **Cancer** 1986 Nov 15; 58(10):2348–54

SACROILIAC JOINT

HLA-B39 and the axial type of psoriatic arthritis. Crivellato E, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):249–50
Pyogenic sacroiliitis caused by group G Streptococcus [letter] Quevedo SF, et al. **Arthritis Rheum** 1987 Jan; 30(1):115
Takayasu's disease and bilateral sacroiliitis. Cowley ML, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):67–70
The prevalence of osteoarthrosis of the sacroiliac joints in an urban population. Jajić I, et al. **Clin Rheumatol** 1987 Mar;6(1):39–41
Functional impairment of the sacroiliac joint after total hip replacement. Pap A, et al. **Int Rehabil Med** 1987;8(4):145–7
Sacroiliitis: difficulties in the radiographic diagnosis. Advantage of CT? Preliminary report. Van Tiggelen R, et al. **J Belge Radiol** 1987;70(1):1–4
Pyarthrosis of the sacroiliac joint presenting as lumbar radiculopathy. A case report. Lourie G, et al. **Spine** 1986 Jul–Aug;11(6):638–40
[Bacterial endocarditis caused by Streptococcus viridans disclosed by sacroiliitis (letter)] Fossaluzza V, et al. **Rev Rhum Mal Osteoartic** 1987 Jan;54(1):79 (Fre)
[Sacroileitis caused by Staphylococcus aureus] Mackintosh R, et al. **Medicina (B Aires)** 1987;47(1):67–70 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

The canine sacroiliac joint. Preliminary study of anatomy, histopathology, and biomechanics. Gregory CR, et al. **Spine** 1986 Dec;11(10):1044–8

INJURIES

Fracture dislocation of sacroiliac joints and the symphysis pubis—evidence deposition of plaintiff's orthopedic surgeon. **Med Trial Tech Q** 1980 Fall;27(2):218–48
[The painful hip. Scintigraphically recognizable injury sequelae not identified by roentgen image] Reichelt HG. **Unfallchirurg** 1986 Oct;89(10):446–55 (Eng. Abstr.) (Ger)

MICROBIOLOGY

[Contribution of surgical radiology in the etiologic diagnosis of infectious sacro-iliitis. Apropos of 9 cases] Hendaoui L, et al. **Tunis Med** 1986 Nov;64(11):899–902 (Eng. Abstr.) (Fre)

PATHOLOGY

[Nuclear magnetic resonance tomography of the sacroiliac joint. A new examination technic in the differential diagnosis of rheumatic diseases of the lumbosacral transition] Friedburg H, et al. **Radiologe** 1987 Mar; 27(3):130–4 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Load-displacement behavior of sacroiliac joints. Miller JA, et al. **J Orthop Res** 1987;5(1):92–101

RADIOGRAPHY

Observer variation in grading sacroiliac radiographs might be a cause of 'sacroiliitis' reported in certain disease states. Yazici H, et al. **Ann Rheum Dis** 1987 Feb;46(2):139–45
[Cervical ankylosis caused by syndesmophytosis with normal sacroiliac joints. Apropos of a case developing over 30 years] Bourqui M, et al. **Ann Radiol (Paris)** 1986;29(5):483–5 (Eng. Abstr.) (Fre)
[Sacro-iliac involvement in sarcoidosis. Apropos of a case] Kchir MM, et al. **Tunis Med** 1986 Nov;64(11):961–4 (Eng. Abstr.) (Fre)

RADIONUCLIDE IMAGING

Sacroiliitis as a sole manifestation of Brucella melitensis infection in a child. Miron D, et al. **Clin Nucl Med** 1987 Jun;12(6):466–7
Evaluation of quantitative sacro-iliac scintigraphy in the early diagnosis of ankylosing spondylitis. Kjällman M, et al. **Scand J Rheumatol** 1986;15(3):265–71
[Scintigraphy of the sacroiliac joints in Bechterew's disease] Vlakhov N, et al. **Med Radiol (Mosk)** 1987 May;32(5):76–7 (Rus)

SURGERY

Sacroiliac joint arthrodesis for chronic lower back pain. Waisbrod H, et al. **Arch Orthop Trauma Surg** 1987; 106(4):238–40

SACRUM

Chondroblastoma of the sacrum. A case report. Akai M, et al. **Acta Orthop Scand** 1986 Aug;57(4):378–81
Osteomyelitis of the sacrum as the initial manifestation of Crohn's disease. Schwartz CM, et al. **Clin Orthop** 1987 Sep; (222):181–5
Late neurological dysfunction in adult lumbosacral lipoma. Maiuri F, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):7–11
How the sacrum got its name. Sugar O. **JAMA** 1987 Apr 17;257(15):2061–3
Fusion to the sacrum for nonparalytic scoliosis in the adult. Balderston RA, et al. **Spine** 1986 Oct;11(8):824–9
[Fractures caused by bony insufficiency of the sacrum. Clinical, radiographic, scintigraphic and x-ray computed tomographic symptomatology] Gaucher A, et al. **J Radiol** 1987 Jun–Jul;68(6–7):433–40 (Eng. Abstr.) (Fre)
[Sacrococcygeal chordoma with multiple metastases. 2 cases (letter)] Raguin JM, et al. **Presse Med** 1987 May 9; 16(17):828–9 (Fre)
[Round table of the Study Group on Bone Tumors. 19 April 1985. Tumors of the sacrum. Proceedings] **Rev Chir Orthop** 1987;73(2):75–130 (Fre)
[Arteriography and embolization of tumors of the sacrum] Chiras J, et al. **Rev Chir Orthop** 1987;73(2):99–103 (Fre)
[Resection of bone tumors in the lumbo-sacroiliac region] Roy-Camille R, et al. **Rev Chir Orthop** 1987;73(2):110–3 (Fre)
[Malignant bone tumors and giant cell tumors of the sacrum in adults] Roy-Camille R, et al. **Rev Chir Orthop** 1987; 73(2):82–91 (Fre)
[Surgical treatment of tumors of the sacrum (published erratum appears in Rev Chir Orthop 1987;73(3):following 217)] Stener B. **Rev Chir Orthop** 1987;73(2):114–21 (Fre)
[Tumors of the sacrum. Radiotherapy and chemotherapy aspects] Touboul E, et al. **Rev Chir Orthop** 1987;73(2):104–9 (73 ref) (Fre)
[Diagnosis of teratoma in childhood] Esterl D, et al. **Kinderarztl Prax** 1986 Dec;54(12):653–60 (Eng. Abstr.) (Ger)
[A case of sacro-coccygeal chordoma] Ciardiello A, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1235–8 (Eng. Abstr.) (Ita)
[Dynamic 4-zone sensometry in vertebrogenic lumbosacral radiculitis and lumboischialgia] Iaretskii GI, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):493–7 (Eng. Abstr.) (Rus)
["Autohemoblock" in the treatment of lumbosacral pain syndromes] Neĭmark EZ, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):537–40 (Eng. Abstr.) (Rus)
[Intravenous novocaine block in the treatment of vertebrogenic sclerotomic and myotomic pain] Neĭmark EZ, et al. **Zh Nevropatol Psikhiatr** 1986;86(12):1787–90 (Eng. Abstr.) (Rus)
[Invasion of the central nervous system in patients with Ewing's sarcoma] Bajtajić V, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):151–3 (Scr)

ABNORMALITIES

Computerized tomography, clinical and X-ray correlations in the hemisacralized fifth lumbar vertebra. Avrahami E, et al. **Clin Rheumatol** 1986 Sep;5(3):332–7
Neuroradiologic evaluation of sacral abnormalities in imperforate anus complex. Tunell WP, et al. **J Pediatr Surg** 1987 Jan;22(1):58–61
Anterior sacral meningocele in pregnancy. Kofinas AD, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):441–4
[Indications for and technic in the correction of deformity by removal of a hemivertebra] Vlach O. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):500–3 (Eng. Abstr.) (Cze)
[Neonatal paralysis] Sharrard WJ. **Rev Chir Orthop** 1986; 72(4):247–52 (Fre)
[Electromyographic and neurologic findings in radiologically demonstrated numerical variations in the lumbosacral transition] Eickhoff W, et al. **Neurochirurgia (Stuttg)** 1986 Sep;29(5):189–92 (Eng. Abstr.) (Ger)
[You make the diagnosis. Caudal regression syndrome] Lausecker M, et al. **Padiatr Padol** 1987;22(1):73–7 (Ger)
[Sacral agenesis associated with a teratoma] Borges AC, et al. **Arq Neuropsiquiatr** 1987 Mar;45(1):81–7 (Eng. Abstr.) (Por)

ANATOMY & HISTOLOGY

[Lumbosacral transitional vertebrae in the dog] Winkler W, et al. **Berl Munch Tierarztl Wochenschr** 1986 Oct 1; 99(10):343–6 (Eng. Abstr.) (Ger)
[The normal pelvis ibn modern obstetrics] Osmanov EM. **Akush Ginekol (Mosk)** 1987 Feb;(2):72–3 (Rus)

INJURIES

Scintigraphic diagnosis of sacral fractures. Balseiro J, et al. **AJR** 1987 Jan;148(1):111–3
Transverse sacral fracture with transient neurologic complication. Chiaruttini M. **Ann Emerg Med** 1987 Jan; 16(1):111–3
Sacral fractures: classification and neurologic implications. Sabiston CP, et al. **J Trauma** 1986 Dec;26(12):1113–5
Unilateral S-1 root compression syndrome caused by fracture of the sacrum. Epstein NE, et al. **Neurosurgery** 1986 Dec; 19(6):1025–7
The CT appearance of two-level fractures of the posterior vertebral apophysis. A case report. De Santis M, et al. **Rays** 1985 May–Aug;10(2):19–21
[Spontaneous fracture of the sacrum due to "insufficiency". An overlooked cause of low lumbago in elderly women] Guilbeau JC, et al. **J Radiol** 1986 Oct;67(10):741–4 (Eng. Abstr.) (Fre)
[Fractures caused by osseous insufficiency of the sacrum. Incidence, complications and pathogenesis] Péré P, et al. **Rev Rhum Mal Osteoartic** 1987 Apr;54(4):311–3 (Fre)
[Occult fractures of the sacrum in aged osteoporotic patients] Roucoulès J, et al. **Rev Rhum Mal Osteoartic** 1987 Jan; 54(1):1–5 (Eng. Abstr.) (Fre)

INNERVATION

Innervation of lumbar zygapophyseal joint synovial folds. Giles LG, et al. **Acta Orthop Scand** 1987 Feb;58(1):43–6
[Nucleus motorius lateralis in the lumbosacral segment of the spinal cord in horses] Flieger S, et al. **Pol Arch Weter** 1984;24(1):125–31 (Eng. Abstr.) (Pol)
[Nucleus motorius medialis in the lumbosacral segment of the spinal cord in horses] Sławomirski J, et al. **Pol Arch Weter** 1984;24(1):133–7 (Eng. Abstr.) (Pol)

PATHOLOGY

Pressure related changes in human lumbosacral zygapophyseal joint articular cartilage. Giles LG. **J Rheumatol** 1986 Dec;13(6):1093–5
[Tethered spinal cord and lipoma. Contribution of magnetic resonance imaging] Awada A, et al. **Rev Neurol (Paris)** 1986;142(5):553–5 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Trunk force development during static and dynamic lifts. Marras WS, et al. **Hum Factors** 1987 Feb;29(1):19–29

PHYSIOPATHOLOGY

Biomechanics of lumbosacral spinal fusion in combined compression-torsion loads. Yang SW, et al. **Spine** 1986 Nov;11(9):937–41

RADIOGRAPHY

Unusual patterns of solitary sacral plasmacytoma. Lanzieri CF, et al. **AJNR** 1987 May–Jun;8(3):566–7
Width of the presacral space in Nigerian adults. Akamaguna AI, et al. **Gastrointest Radiol** 1986;11(4):370–1
Sacrococcygeal teratoma: computed tomography evaluation. Chan FL, et al. **J Comput Tomogr** 1987 Apr;11(2):200–4
Traumatic lumbosacral dislocation. A case report and review of the literature. Wilchinsky ME. **Orthopedics** 1987 Sep; 10(9):1271–4
Sacrococcygeal chordoma. A clinicoradiological study of 60 patients. Smith J, et al. **Skeletal Radiol** 1987;16(1):37–44
[Progress in the diagnosis of the vertebral lumbosciatic syndrome using computer tomography] Sobota J, et al. **Cas Lek Cesk** 1987 Apr 17;126(16):487–9 (Eng. Abstr.) (Cze)
[Histological confirmation of monostotic Paget's disease in the sacrum by CT-guided bone puncture biopsy] Herter M, et al. **ROFO** 1986 Nov;145(5):608–10 (Ger)
[Scalloping at the lumbosacral canal] Reinhardt R. **Rontgenblatter** 1987 Jul;40(7):229–31 (Eng. Abstr.) (Ger)

SURGERY

Massive genital and vaginal vault prolapse treated by abdominal-vaginal sacropexy with use of Marlex mesh: review of the literature. Drutz HP, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):387–92
Pelvic and sacropelvic exenteration for locally advanced or recurrent anorectal cancer. Pearlman NW, et al. **Arch Surg** 1987 May;122(5):537–41
Surgical treatment of primary tumors of the sacrum. Sung HW, et al. **Clin Orthop** 1987 Feb;(215):91–8
[Resection of the lower spine and sacrum] Edwards C. **Rev Chir Orthop** 1987;73(2):122–8 (Fre)
[Retrorectal and presacral tumors] Farthmann EH, et al. **Chirurg** 1986 Aug;57(8):496–501 (Ger)
[Stabilization of the lumbosacral segment by distracting posterolateral spondylodesis using the Zielke divided sacral strut. Analysis of 400 cases based on indications, results and cause of errors] Krähe T, et al. **Z Orthop** 1986 Nov–Dec;124(6):713–25 (Eng. Abstr.) (Ger)
[Complementary sacral colpopexy] Magurno G. **Minerva Ginecol** 1987 Jan–Feb;39(1–2):69–75 (Eng. Abstr.) (Ita)
[A method of anterior spondylodesis of the lumbo-sacral segment of the spine] Voronovich IR, et al. **Ortop Travmatol Protez** 1987 May;(5):56 (Rus)

SADISM

Portrait of a sadist as a young man. Boehnert CE. **Am J Psychother** 1987 Jul;41(3):459–65

Sadistic homosexual pedophilia: treatment with cyproterone acetate: a single case study. Bradford JM, et al. **Can J Psychiatry** 1987 Feb;32(1):22–30

Comparisons among heterosexual, bisexual, and homosexual male sadomasochists. Breslow N, et al. **J Homosex** 1986 Fall;13(1):83–107

Gay SM in pornography and reality. van Naerssen AX, et al. **J Homosex** 1986 Winter–1987 Spring;13(2–3):111–9

Trauma in childhood. Signs and sequelae as seen in the analysis of an adolescent. Kennedy H. **Psychoanal Study Child** 1986;41:209–19

SAFETY see under **ACCIDENT PREVENTION**

SAFETY, CONSUMER PRODUCT see **CONSUMER PRODUCT SAFETY**

SAFETY DEVICES see **PROTECTIVE DEVICES**

SAFETY, EQUIPMENT see **EQUIPMENT SAFETY**

SAFFLOWER OIL see under **PLANT OILS**

SAFROLE see under **DIOXOLES**

SAGUINUS see under **CALLITHRICIDAE**

SAIMIRI see under **CEBIDAE**

SALAMANDERS see **URODELA**

SALAMANDRA

ANATOMY & HISTOLOGY

[On the determination of the oral epithelium in Salamandra salamandra (L.) after hetero- and homotopic transplantation—an ultrastructural analysis. Clemen G. **Z Mikrosk Anat Forsch** 1987;101(1):137–78

BLOOD

Evidence of an alpha 2-macroglobulin-like molecule in plasma of Salamandra salamandra. Structural and functional similarity with human alpha 2-macroglobulin. Sallenave JM, et al. **FEBS Lett** 1987 Jul 13;219(1):37–9

EMBRYOLOGY

Observations on the migration and differentiation of neural crest cells in somite extirpated salamander larvae. Hirano S. **Arch Histol Jpn** 1986 Aug;49(3):309–20

Epitheliophagy: intrauterine cell nourishment in the viviparous alpine salamander, Salamandra atra (Laur.). Guex GD, et al. **Experientia** 1986 Dec 1;42(11–12):1205–18

GROWTH & DEVELOPMENT

Carbonic anhydrase cytochemistry in mitochondria-rich cells of salamander larvae gill epithelium as related to age and H+ and Na+ concentrations. Lewinson D, et al. **J Cell Physiol** 1987 Jan;130(1):125–32

SALAMANDRIDAE

Induction of ocular tumor by nickel subsulfide in the Japanese common newt, Cynops pyrrhogaster. Okamoto M. **Cancer Res** 1987 Oct 1;47(19):5213–7

ANATOMY & HISTOLOGY

Morphologic and histochemical analysis of the newt (Notophthalmus viridescens) liver. Goldblatt PJ, et al. **Anat Rec** 1987 Apr;217(4):328–38

Labelled neurons in mesencephalon and medulla oblongata of newt after periocular injection of horseradish peroxidase. Ciani F, et al. **J Hirnforsch** 1986;27(5):553–8

EMBRYOLOGY

Pigment cell pattern formation in Taricha torosa: the role of the extracellular matrix in controlling pigment cell migration and differentiation. Tucker RP, et al. **Dev Biol** 1986 Nov;118(1):268–85

Cell surface glycoproteins change during gastrulation in Pleurodeles waltlii. Riou JF, et al. **J Cell Sci** 1986 Jun; 82:23–40

The control of pigment cell pattern formation in the California newt, Taricha torosa. Tucker RP, et al. **J Embryol Exp Morphol** 1986 Sep;97:141–68

Pigment cell pattern formation in amphibian embryos: a reexamination of the dopa technique. Tucker RP, et al. **J Exp Zool** 1986 Nov;240(2):173–82

[The localization of Rohon-Beard cells in the neurula of the urodele Cynops orientalis] Dai RX, et al. **Shih Yen Sheng Wu Hsueh Pao** 1986 Jun;19(2):241–53 (Eng. Abstr.) **(Chi)**

[On the excitability of the epidermis and the atypical epidermis of Cynops orientalis embryos] Wu WL, et al. **Shih Yen Sheng Wu Hsueh Pao** 1987 Mar;20(1):77–87 (Eng. Abstr.) **(Chi)**

[Development of the urogenital tract in double-bodied pleurodele chimeras. Effect of position on interactions between the genital glands of different sex] Houillon C, et al. **Reprod Nutr Dev** 1986;26(5A):1115–35 (Eng. Abstr.) **(Fre)**

GENETICS

Self-cleaving transcripts of satellite DNA from the newt. Epstein LM, et al. **Cell** 1987 Feb 13;48(3):535–43

Evidence for a particular mode of transcription in globular loops of lampbrush chromosomes of the newt Pleurodeles waltlii. Penrad-Mobayed M, et al. **Chromosoma** 1986; 94(5):319–28

Transcription of a satellite DNA in the newt. Epstein LM, et al. **J Cell Biol** 1986 Oct;103(4):1137–44

There is an alpha-actin skeletal muscle-specific gene in a salamander (Pleurodeles waltlii). Khrestchatisky M, et al. **J Mol Biol** 1987 Jan 20;193(2):409–12

PARASITOLOGY

Longitudinal patterns of trypanosome infections in red-spotted newts. Mock BA. **J Parasitol** 1987 Aug; 73(4):730–7

PHYSIOLOGY

Phosphorus and fluorine NMR examination of the anesthetized newt (Notopthalamus viridescens). Burt CT, et al. **Comp Biochem Physiol [C]** 1986;85(2):409–12

Regulation by thyroid hormones of terminal differentiation in the skeletal dorsal muscle. II. Urodelan amphibians. Chanoine C, et al. **Dev Biol** 1987 Sep;123(1):33–42

Hormonal facilitation in the release of sperm from the spermatheca of the red-spotted newt. Hardy MP, et al. **Experientia** 1987 Mar 15;43(3):302–4

Effect of beta-amino-propionitrile on the regenerating newt limb evaluated by uptake of 3H-proline and 3H-lysine. Herskovits MS, et al. **Growth** 1987 Spring;51(1):44–9

Surface contraction of dividing newt eggs induced by lowering the external ionic strength or pH, or by trypsinization. Kubota T. **J Cell Sci** 1986 Jun;82:143–54

Regulation of motility in sperm of the red-spotted newt. Hardy MP, et al. **J Exp Zool** 1986 Dec;240(3):385–96

Transport of sperm within the cloaca of the female red-spotted newt. Hardy MP, et al. **J Morphol** 1986 Dec; 190(3):259–70

Purification of a chick brain-derived growth factor by reversed-phase high-performance liquid chromatography. Carlone R, et al. **J Neurosci** 1987 Jul;7(7):2163–7

SALARIES AND FRINGE BENEFITS

Is the improvement in dental economics reflected in the employment and salaries of dental auxiliaries? Waldman HB. **Ann Dent** 1986 Winter;45(2):32–4

Remuneration of Soviet medical personnel. Ryan M. **Br Med J [Clin Res]** 1987 May 23;294(6583):1340–1

Hospital for Sick Children proposes compensation for head nurses. Lynett-Walsh M, et al. **Dimens Health Serv** 1987 Apr;64(3):30–2

Wage differences and the concentration of women in hospital occupations. Muller A, et al. **Health Care Manage Rev** 1987 Winter;12(1):61–70

Merger enhances employee benefits. McCormick B. **Hospitals** 1986 Oct 5;60(19):138

Executive salaries: multis still top 'singles'. Nelson S. **Hospitals** 1987 Jun 5;61(11):68–9

The rising incomes—and numbers—of MD execs. Nelson S. **Hospitals** 1987 Sep 20;61(18):63

Typical hospital benefits: a snapshot. Santos A. **Hospitals** 1987 Jun 20;61(12):FB122, FB124

Employment, starting salaries, and educational indebtedness of 1986 graduates of US veterinary medical colleges. Wise JK. **J Am Vet Med Assoc** 1987 Jan 15;190(2):209–10

Employee stock ownership and employee attitudes: a test of three models. Klein KJ. **J Appl Psychol** 1987 May; 72(2):319–32

Job motivators: a ranking of eight variables. Eason FR, et al. **J Nurs Adm** 1987 Jun;17(6):4, 35

Comparable worth: implications for nursing. Bellocq JA. **J Prof Nurs** 1985 May-Jun;1(3):131–7

Comparable worth: a concept worth fighting for. Bullough B. **J Prof Nurs** 1985 Jul-Aug;1(4):186, 252

Hazard pay in unsafe jobs: theory, evidence, and policy implications. Robinson JC. **Milbank Q** 1986;64(4):650–77

Koop's corps of biomedical workers cured with kindness [news] Anderson A. **Nature** 1987 Jul 30-Aug 5; 328(6129):368

Physician reimbursement by salary or fee-for-service: effect on physician practice behavior in a randomized prospective study. Hickson GB, et al. **Pediatrics** 1987 Sep;80(3):344–50

A surge in inequality. Thurow LC. **Sci Am** 1987 May; 256(5):30–7

Local authority pay [letter] Gibson WW. **Vet Rec** 1986 Dec 6;119(23):584

[Full-time work and scientific research (editorial)] Garrahan PJ. **Medicina (B Aires)** 1986;46(2):235–9 **(Spa)**

[Status of the research personnel of CONICET (letter)] Stoppani AO. **Medicina (B Aires)** 1986;46(2):246 **(Spa)**

[Part-time scientific research (letter)] Zaninovich AA. **Medicina (B Aires)** 1986;46(2):246–7 **(Spa)**

LEGISLATION & JURISPRUDENCE

Is the nation's largest employer enforcing pay equity? Palmer PN. **AORN J** 1987 Sep;46(3):398, 400

Tax law: benefits more uniform but confusing. DiPaolo M, et al. **Hospitals** 1987 Feb 5;61(3):76

Minimum-wage proposal could boost labor costs. Merrill T. **Hospitals** 1987 Jun 5;61(11):32, 34

TRENDS

Elder care pushed as a new employee benefit. Droste T. **Hospitals** 1987 Apr 5;61(7):78

Multi salary growth outpaces general industry. King M, et al. **Hospitals** 1986 Oct 5;60(19):52, 58

Stipends: a better wage for new MDs. Nelson S. **Hospitals** 1987 Aug 20;61(16):60

Annual salaries of top managers to rise 4.7% in 1987. Santos A Jr. **Hospitals** 1987 Sep 5;61(17):52–7

SALBUTAMOL see **ALBUTEROL**

SALICYLAMIDES

Solid state conformations and antidopaminergic effects of remoxipride hydrochloride and a closely related salicylamide, FLA 797, in relation to dopamine receptor models. Högberg T, et al. **Mol Pharmacol** 1986 Oct; 30(4):345–51

[Salicylhydroxamic acid and its compounds as a chelatometric indicator for the determination of iron in drugs] Horňáčková M, et al. **Pharmazie** 1986 Aug; 41(8):599–600 **(Ger)**

ANALYSIS

Simultaneous determination of bromochlorosalicylanilide and bamipine in pharmaceutical formulations by high-performance liquid chromatography. Kountourellis JE, et al. **J Chromatogr** 1986 Jul 25;362(3):439–42

CHEMICAL SYNTHESIS

Antibacterial effect and toxicity of synthesized salicylanilide derivatives. Ghazi IM, et al. **Zentralbl Mikrobiol** 1986; 141(3):225–32

[O-ethoxybenzamide Mannich bases as potential prodrugs] Luputiu G, et al. **Arch Pharm (Weinheim)** 1986 Oct; 319(10):954–6 **(Ger)**

METABOLISM

Intestinal first-pass metabolism of phenacetin, acetaminophen, ethenzamide and salicylamide in rabbits pretreated with 3,4-benzo[a]pyrene. Nakamura J, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1171–4

Depression of salicylamide glucuronidation by bacterial lipopolysaccharide. Kushiya M, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):416–20

Conjugation of salicylamide in the intestinal wall of dogs and rabbits. Podder SK, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):917–22

The pharmacodynamics of the flukicidal salicylanilides, rafoxanide, closantel and oxyclosanide. Mohammed-Ali NA, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):127–33

PET analysis of human dopamine receptor subtypes using 11C-SCH 23390 and 11C-raclopride. Farde L, et al. **Psychopharmacology (Berlin)** 1987;92(3):278–84

PHARMACODYNAMICS

Effects of inhibitors on the oxygen kinetics of Nippostrongylus brasiliensis. Paget TA, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):125–33

Viability damage of Aspergillus flavus spores by an antifungal aerosol. Vidor E, et al. **Mykosen** 1986 Sep;29(9):401–6

Dopamine turnover and glutamate decarboxylase activity in the rat brain after acute and chronic treatment with raclopride, a dopamine D2-selective antagonist. Fowler CJ, et al. **Neuropharmacology** 1987 Apr;26(4):339–45

Effects of raclopride on exploratory locomotor activity, treadmill locomotion, conditioned avoidance behaviour and catalepsy in rats: behavioural profile comparisons between raclopride, haloperidol and preclamol. Hillegaart V, et al. **Pharmacol Toxicol** 1987 May;60(5):350–4

The selective dopamine D2 receptor antagonist raclopride discriminates between dopamine-mediated motor functions. Ogren SO, et al. **Psychopharmacology (Berlin)** 1986;90(3):287–94

[Effects of salicylic acid and salicylamide on sulfisoxazole disposition in rabbits] Imamura Y, et al. **Yakugaku Zasshi** 1986 Dec;106(12):1146–50 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Observations on the control of ovine face lice (Linognathus ovillus) with closantel. Butler AR. **Aust Vet J** 1986 Nov; 63(11):371–2

Two field strains of Haemonchus contortus resistant to rafoxanide. van Wyk JA, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):143–6

TOXICITY

Dose response studies for UVA in contact photosensitivity to TCSA in the mouse. Brown WR, et al.

Photodermatol 1986 Dec;3(6):334–9
The duration of contact photosensitivity to TCSA in the mouse. Shivji GM, et al. **Photodermatol** 1986 Dec; 3(6):350–2

SALICYLANILIDES see under SALICYLAMIDES

SALICYLATES

ADMINISTRATION & DOSAGE

A controlled study of concurrent therapy with a nonacetylated salicylate and naproxen in rheumatoid arthritis. Furst DE, et al. **Arthritis Rheum** 1987 Feb; 30(2):146–54
Presence of salicylic acid in standardbred horse urine and plasma after various feed and drug administrations. Beaumier PM, et al. **Equine Vet J** 1987 May;19(3):207–13
Loss of resistance to the tetracyclines from porcine Escherichia coli in contact with dietary bacitracin methylene disalicylate. Walton JR, et al.
Zentralbl Veterinarmed [B] 1987 Apr;34(3):161–4

ADVERSE EFFECTS

Choline salicylates and Reye's syndrome [letter] Sarll DW, et al. **Br Dent J** 1986 Nov 8;161(9):317–8
Local necrosis and interstitial nephritis due to topical methyl salicylate and menthol. Heng MC. **Cutis** 1987 May; 39(5):442–4
Allergic contact dermatitis from proprietary topical analgesic sprays containing 3-(aminomethyl)-pyridyl salicylate. Schmidt RJ, et al. **Dermatologica** 1987;174(6):272–9
Hepatotoxicity associated with choline magnesium trisalicylate: case report and review of salicylate-induced hepatotoxicity. Cersosimo RJ, et al.
Drug Intell Clin Pharm 1987 Jul–Aug;21(7–8):621–5 (42 ref.)
Prurigo pigmentosa. A persistent lichenoid reaction to bismuth? Dijkstra JW, et al. **Int J Dermatol** 1987 Jul–Aug; 26(6):379–81
Salicylate toxicity in elderly patients with rheumatoid arthritis. Grigor RR, et al. **J Rheumatol** 1987 Feb;14(1):60–6
Public Health Service study of Reye's syndrome and medications. Report of the main study [published erratum appears in JAMA 1987 Jun 26;257(24):3366] Hurwitz ES, et al. **JAMA** 1987 Apr 10;257(14):1905–11
Reye's syndrome, salicylates, epidemiology, and public health policy [editorial] Mortimer EA Jr. **JAMA** 1987 Apr 10; 257(14):941
Sulfasalazine and salicylate-induced exacerbation of ulcerative colitis [letter] Shanahan F, et al.
N Engl J Med 1987 Aug 13;317(7):455

ANALYSIS

A simple colorimetric assay to determine salicylate ingestion utilizing salicylate monooxygenase. Hammond PM, et al. **Ann NY Acad Sci** 1987;501:288–91
Salicylate measurement: clinical usefulness and methodology. Kwong TC. **CRC Crit Rev Clin Lab Sci** 1987;25(2):137–59 (166 ref.)

BLOOD

Pharmacokinetics of salicylates administered with metoprolol. Spahn H, et al. **Arzneimittelforschung** 1986 Nov;36(11):1697–9
Naproxen interference with the ion-selective electrode in the RA-1000. Harrison SP. **Clin Chem** 1987 Mar;33(3):421
Aspirin in the treatment of chronic inflammatory arthritis [letter] McCarty D, et al. **JAMA** 1987 Mar 13;257(10):1331

METABOLISM

Microbial metabolism of chlorosalicylates: effect of prolonged subcultivation on constructed strains. Rubio MA, et al. **Arch Microbiol** 1986 Jul;145(2):123–5
Microbial metabolism of chlorosalicylates: accelerated evolution by natural genetic exchange. Rubio MA, et al. **Arch Microbiol** 1986 Jul;145(2):116–22
Differential uptake of salicylate in serum, cerebrospinal fluid, and perilymph. Jastreboff PJ, et al.
Arch Otolaryngol Head Neck Surg 1986 Oct;112(10):1050–3
Heterogeneity of changes on the disposition of aspirin in rats with CCl4-induced chronic liver damage. Mourelle M, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3021–5
Effect of exercise and heat exposure on percutaneous absorption of methyl salicylate. Danon A, et al.
Eur J Clin Pharmacol 1986;31(1):49–52
Pharmacokinetic profile of imidazole 2-hydroxybenzoate, a novel nonsteroidal antiinflammatory agent. Kuemmerle HP, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Nov; 24(11):581–97
On the mechanism of transport of salicylate and p-hydroxybenzoic acid across human red cell membranes. Joy MM, et al. **J Pharm Pharmacol** 1987 Apr;39(4):266–71
[Changes in the kinetics of salicylates and sulfamethoxazole during hemodialysis] Motáň J, et al. **Vnitr Lek** 1986 May; 32(5):495–9 (Eng. Abstr.) **(Cze)**
[Diffusion of salicylates through the hemato-encephalic barrier in adults] Bannwarth B, et al. **Therapie** 1986 Nov–Dec;41(6):409–11 (Eng. Abstr.) **(Fre)**
[Percutaneous resorption of salicylic acid methylester from bathing solutions] Pratzel H. **Z Rheumatol** 1987 May–Jun; 46(3):143–50 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

In vitro susceptibility of Campylobacter pyloridis to cimetidine, sucralfate, bismuth and sixteen antibiotics. Andreasen JJ, et al.
Acta Pathol Microbiol Immunol Scand [B] 1987 Apr; 95(2):147–9
Effect of triflusal and other salicylic acid derivatives on cyclic AMP levels in rat platelets. García-Rafanell J, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):155–65
Effect of etersalate on human platelet responsiveness. A study in healthy volunteers. Ortega MP, et al.
Arzneimittelforschung 1987 Feb;37(2):214–7
Antibacterial activity of sucralfate and bismuth subsalicylate in simulated gastric fluid [letter] Kappstein I, et al.
Eur J Clin Microbiol 1987 Apr;6(2):216–7
O-carbamoylsalicylates: agents for modification of hemoglobins. Parameswaran KN, et al. **J Med Chem** 1987 May;30(5):936–9
Absence of mutagenic activity of benorylate, paracetamol and aspirin in the Salmonella/mammalian microsome test. Jasiewicz ML, et al. **Mutat Res** 1987 Feb;190(2):95–100
Salicylates and 12-lipoxygenase activity in human washed platelets. Radomski M, et al. **Pharmacol Res Commun** 1986 Nov;18(11):1015–30
Pharmacokinetics of aspirin and salicylate in relation to inhibition of arachidonate cyclooxygenase and antiinflammatory activity. Higgs GA, et al.
Proc Natl Acad Sci USA 1987 Mar;84(5):1417–20
Salicylates inhibit PAF-acether-induced rat paw oedema when cyclooxygenase inhibitors are ineffective. Cordeiro RS, et al. **Prostaglandins** 1986 Nov;32(5):719–27
[Orally administered salicylate and electric skin resistance during galvanization] De Cuyper H.
Acta Belg Med Phys 1987 Jan–Mar;10(1):37–40 (Eng. Abstr.) **(Dut)**
[[Effects of salizole on the antihypertensive activity of captopril. Comparison with indomethacin] Puccetti F, et al. **Recenti Prog Med** 1987 Apr;78(4):148–53 (Eng. Abstr.) **(Ita)**

POISONING

A two-year review of salicylate deaths in Ontario. McGuigan MA. **Arch Intern Med** 1987 Mar;147(3):510–2
Death due to salicylate poisoning in Ontario. McGuigan MA. **Can Med Assoc J** 1986 Oct 15;135(8):891–4
Blood lactate and ketone body concentrations in salicylate intoxication. Bartels PD, et al. **Hum Toxicol** 1986 Dec; 5(6):363–6

THERAPEUTIC USE

Pepto-Bismal efficacy studies for diarrhea. indication submitted to FDA. **Am Pharm** 1986 Nov;NS26(11):19
Therapy for collagenous colitis [letter] Girard DE, et al.
Ann Intern Med 1987 Jun;106(6):909
Non-steroidal anti-inflammatory analgesics other than salicylates. Brogden RN. **Drugs** 1986;32 Suppl 4:27–45 (90 ref.)
A double-blind study of topical massage with Rado-Salil ointment in mechanical low-back pain. Grnsberg F, et al. **J Int Med Res** 1987 May–Jun;15(3):148–53
Prevention of travelers' diarrhea by the tablet formulation of bismuth subsalicylate. DuPont HL, et al. **JAMA** 1987 Mar 13;257(10):1347–50
Copper salicylate compounds [letter] Walker WR.
Med J Aust 1987 Jul 20;147(2):104–6
Protective effect of triflusal and acetylsalicylic acid against arachidonic acid induced cerebrovascular occlusion in anesthetized rats. Gómez L, et al.
Methods Find Exp Clin Pharmacol 1987 Jan;9(1):13–7
The antithrombotic in vivo effect of eterylate and dipyridamole in experimental thrombosis in mice. Ortega MP. **Thromb Res** 1986 Nov 15;44(4):555–9
[Value of using Reparil-gel in sports traumatology] Crielaard JM, et al. **Acta Belg Med Phys** 1986 Oct–Dec;9(4):287–98 **(Fre, Dut)**
[The use of imidazole-2-hydroxybenzoate in sport trauma. Multidisciplinary study in professional athletes] Calvi GL, et al. **Boll Chim Farm** 1986 Dec;125(12):132S–135S (Eng. Abstr.) **(Ita)**
[Selective anti-inflammatory therapy in infantile rheumatoid arthritis] Mignone F, et al. **Minerva Pediatr** 1987 May 15; 39(9):403–8 (Eng. Abstr.) **(Ita)**
[Tolerability of imidazole-2-hydroxybenzoate treatment in children with total erythrocytic glucose-6-phosphate dehydrogenase deficiency (Mediterranean Gd variant)] Caocci L, et al. **Recenti Prog Med** 1987 Jan;78(1):17–9 (Eng. Abstr.) **(Ita)**

SALICYLAZOSULFAPYRIDINE

ADMINISTRATION & DOSAGE

Improving the response to gold or D-penicillamine by addition of sulphasalazine. A pilot study in 25 patients with rheumatoid arthritis. Dawes PT, et al.
Clin Exp Rheumatol 1987 Apr–Jun;5(2):151–3
Salazopyrin EN-tabs: an enteric-coated case that is hard to take. **Drug Ther Bull** 1987 Jul 13;25(14):53–5
[Experiences in long-term therapy of rheumatoid arthritis with sulfasalazine tablets] Amos RS. **Z Rheumatol** 1987 Mar-Apr;46(2):76–8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Marked atypical lymphocytosis, hepatitis, and skin rash in sulfasalazine drug allergy. Poland GA, et al.
Am J Med 1986 Oct;81(4):707–8
Sulphasalazine in rheumatoid arthritis: desensitising the patient with a skin rash [letter] Farr M, et al.
Ann Rheum Dis 1987 May;46(5):421
Neutropenia in patients with inflammatory arthritis treated with sulphasalazine. Farr M, et al. **Ann Rheum Dis** 1986 Sep;45(9):761–4
Sulphasalazine hepatotoxicity: lack of a hypersensitivity response. MacGilchrist AJ, et al. **Ann Rheum Dis** 1986 Nov; 45(11):967–8
Acetylation, sulphasalazine and its effects [letter] Astbury C, et al. **Br J Rheumatol** 1987 Jun;26(3):229–30
Macrocytic anaemia in patients treated with sulphasalazine for rheumatoid arthritis [letter] Greaves M, et al.
Br Med J 1987 Feb 7;294(6568):373
Macrocytic anaemia in patients treated with sulfasalazine for rheumatoid arthritis [letter] Prouse P, et al.
Br Med J [Clin Res] 1987 Apr 4;294(6576):904–5
Macrocytic anaemia in patients treated with sulphasalazine for rheumatoid arthritis. Prouse PJ, et al.
Br Med J [Clin Res] 1986 Nov 29;293(6559):1407
Bronchoalveolar lavage in acute hypersensitivity pneumonitis caused by sulfasalazine. Valcke Y, et al. **Chest** 1987 Sep; 92(3):572–3
Leucopenia in adult Still's disease during treatment with azathioprine and sulphasalazine. Bliddal H, et al.
Clin Rheumatol 1987 Jun;6(2):244–50
Fixed eruption to sulphasalazine [letter] Kanwar AJ, et al.
Dermatologica 1987;174(2):104
A complication of SASP therapy: hair loss [letter] Codeluppi PL, et al. **Dig Dis Sci** 1987 Feb;32(2):221–2
Comparison of white blood cell dyscrasias during sulphasalazine therapy of rheumatoid arthritis and inflammatory bowel disease. Capell HA, et al. **Drugs** 1986; 32 Suppl 1:44–8
Side effect profile of 200 patients with inflammatory arthritides treated with sulphasalazine. Farr M, et al.
Drugs 1986;32 Suppl 1:49–53
A case of salicylazosulfapyridine (Salazopyrin)-induced acute pancreatitis with positive lymphocyte stimulation test (LST). Chiba M, et al. **Gastroenterol Jpn** 1987 Apr; 22(2):228–33
Cholestasis and fatal agranulocytosis complicating sulfasalazine therapy: case report and review of the literature. Mitrane MP, et al. **J Rheumatol** 1986 Oct; 13(5):969–72
Gold-induced leucopenia may predict a similar adverse reaction to sulphasalazine [letter] Bliddal H, et al.
Lancet 1987 Feb 14;1(8529):390
Sulfasalazine and salicylate-induced exacerbation of ulcerative colitis [letter] Shanahan F, et al.
N Engl J Med 1987 Aug 13;317(7):455
Clinical experience of the tolerance of mesalazine and olsalazine in patients intolerant of sulphasalazine. Rao SS, et al. **Scand J Gastroenterol** 1987 Apr;22(3):332–6
Keratoconjunctivitis sicca and the treatment of canine colitis [letter] Barnett KC. **Vet Rec** 1986 Oct 4;119(14):363
[Salazosulfapyridine responsible of eosinophilic pneumonia (letter)] Penalba C, et al. **Presse Med** 1987 Jan 24;16(2):80 **(Fre)**
[Changes in the blood picture in sulfasalazine therapy of rheumatoid arthritis] Rave O. **Z Rheumatol** 1987 Mar-Apr; 46(2):86–91 (Eng. Abstr.) **(Ger)**
[5-aminosalicylic acid treatment of ulcerative colitis during the acute phase in patients resistant or intolerant to salazopyrine] Cappello M, et al. **Recenti Prog Med** 1987 Feb;78(2):76–8 (Eng. Abstr.) **(Ita)**
[Pancreatic complications of sulfasalazine] Faintuch J, et al.
Rev Hosp Clin Fac Med Sao Paulo 1986 Mar-Apr; 41(2):87–90 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

[New basic preparations with prolonged action in the treatment of rheumatoid arthritis] Tumanova IG, et al.
Ter Arkh 1987;59(4):80–3 (Eng. Abstr.) **(Rus)**

BLOOD

Sulphasalazine and sulphapyridine serum levels in children to mothers treated with sulphasalazine during pregnancy and lactation. Esbjörner E, et al. **Acta Paediatr Scand** 1987 Jan;76(1):137–42
An HPLC assay for sulphapyridine in plasma and its use to assess small bowel transit time after the administration of sulphasalazine. Staniforth DH, et al.
Int J Clin Pharmacol Ther Toxicol 1987 Jul;25(7):406–9

METABOLISM

5-Aminosalicylic acid in patients with an ileo-rectal anastomosis. A comparison of the fate of sulfasalazine and Pentasa. Bondesen S, et al. **Eur J Clin Pharmacol** 1986; 31(1):23–6
[Modification of orocecal transit time of salazosulfapyridine by atropine and metoclopramide in healthy probands] Terhaag B, et al. **Dtsch Z Verdau Stoffwechselkr** 1986;

46(6):327–32 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The antiinflammatory moiety of sulfasalazine, 5–aminosalicylic acid, is a radical scavenger. Ahnfelt–Rønne I, et al. **Agents Actions** 1987 Jun; 21(1–2):191–4

Inhibition of neutrophil degranulation and superoxide production by sulfasalazine. Comparison with 5–aminosalicylic acid, sulfapyridine and olsalazine. Neal TM, et al. **Biochem Pharmacol** 1987 Sep 1;36(17):2765–8

Inhibition of 5–lipoxygenase pathway of arachidonic acid metabolism in human neutrophils by sulfasalazine and 5–aminosalicylic acid. Nielsen OH, et al. **Dig Dis Sci** 1987 Jun;32(6):577–82

Pharmacological and biochemical actions of sulphasalazine. Hoult JR. **Drugs** 1986;32 Suppl 1:18–26 (65 ref.)

Actions of sulfasalazine and 5–aminosalicylic acid as reactive oxygen scavengers in the suppression of bile acid–induced increases in colonic epithelial cell loss and proliferative activity. Craven PA, et al. **Gastroenterology** 1987 Jun; 92(6):1998–2008

Effect of sulphasalazine and its metabolites on the generation of reactive oxygen species. Miyachi Y, et al. **Gut** 1987 Feb; 28(2):190–5

Sulfasalazine and its metabolites attenuate respiratory burst of leukocytes—a possible mechanism of anti–inflammatory effects. Suematsu M, et al. **J Clin Lab Immunol** 1987 May; 23(1):31–3

The efficacy of sulphasalazine [letter] Moriarty HJ. **NZ Med J** 1987 Jan 28;100(816):31

THERAPEUTIC USE

Favorable effects of sulfasalazine on small bowel Crohn's disease: a long–term study. Goldstein F, et al. **Am J Gastroenterol** 1987 Sep;82(9):848–53

Sulphasalazine and regression of rheumatoid nodules. Englert HJ, et al. **Ann Rheum Dis** 1987 Mar;46(3):244–5

Raised circulating levels of the eosinophil cationic protein in ankylosing spondylitis: relation with the inflammatory activity and the influence of sulphasalazine treatment. Feltelius N, et al. **Ann Rheum Dis** 1987 May;46(5):403–7

Effect of sulphasalazine on the radiological progression of rheumatoid arthritis. Pullar T, et al. **Ann Rheum Dis** 1987 May;46(5):398–402

Sulphasalazine and hepatic transaminases [letter] Pullar T, et al. **Ann Rheum Dis** 1987 May;46(5):421

Long–term treatment of rheumatoid arthritis with sulphasalazine, gold, or penicillamine: a comparison using life–table methods. Situnayake RD, et al. **Ann Rheum Dis** 1987 Mar;46(3):177–83

Sulfasalazine in rheumatoid arthritis. A double–blind, placebo–controlled trial [published erratum appears in Arthritis Rheum 1987 Apr;30(4):459] Pinals RS, et al. **Arthritis Rheum** 1986 Dec;29(12):1427–34

Combination therapy in rheumatoid arthritis—study design [letter] Fowler PD, et al. **Br J Rheumatol** 1987 Aug; 26(4):314–5

Alteration of thiol and superoxide dismutase status in rheumatoid arthritis treated with sulphasalazine. Pullar T, et al. **Br J Rheumatol** 1987 Jun;26(3):202–6

Sulphasalazine in rheumatoid arthritis: pointers to a gut–mediated immune effect [letter] Sheldon PJ, et al. **Br J Rheumatol** 1987 Aug;26(4):318–9

Sulphasalazine alone or in combination with D–penicillamine in rheumatoid arthritis. Taggart AJ, et al. **Br J Rheumatol** 1987 Feb;26(1):32–6

Sulphasalazine in ankylosing spondylitis: a double blind controlled study in 60 patients. Dougados M, et al. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):911–4

Symposium on enteric–coated sulphasalazine in rheumatoid arthritis. Proceedings of a symposium. London, December 6, 1985. **Drugs** 1986;32 Suppl 1:1–80

Sulphasalazine for rheumatoid arthritis. Studies on dose, acetylator phenotype and efficacy. Amos RS, et al. **Drugs** 1986;32 Suppl 1:58

Sulphasalazine in the long term management of rheumatoid arthritis. Bax DE, et al. **Drugs** 1986;32 Suppl 1:73–6

History of the development of sulphasalazine in rheumatology. McConkey B. **Drugs** 1986;32 Suppl 1:12–7

Variables affecting efficacy and toxicity of sulphasalazine in rheumatoid arthritis. A review. Pullar T, et al. **Drugs** 1986; 32 Suppl 1:54–7 (22 ref.)

Long term outcome of treatment with sulphasalazine in rheumatoid arthritis. Situnayake RD, et al. **Drugs** 1986;32 Suppl 1:71–2

5–Aminosalicylic acid or sulphapyridine. Which is the active moiety of sulphasalazine in rheumatoid arthritis? Taggart AJ, et al. **Drugs** 1986;32 Suppl 1:27–34

Sulphasalazine: a review of 40 years' experience. Watkinson G. **Drugs** 1986;32 Suppl 1:1–11 (50 ref.)

Repeat ileocolonoscopy in reactive arthritis. Mielants H, et al. **J Rheumatol** 1987 Jun;14(3):456–8

Sulfasalazine in "intractable" rheumatoid arthritis [letter] Veys EM, et al. **J Rheumatol** 1987 Jun;14(3):633–4

Sulphasalazine: drug or pro–drug? [editorial] **Lancet** 1987 Jun 6;1(8545):1299–301

Sulphasalazine and oxidant scavenging in ulcerative colitis [letter] Halliwell B. **Lancet** 1987 Sep 12;2(8559):635

Slow–acting anti–rheumatic drug therapy for rheumatoid arthritis. Clegg DO, et al. **Nurse Pract** 1987 Mar;12(3):44, 49–52

Sulphasalazine in inflammatory bowel disease: recent advances. Cooper BT. **NZ Med J** 1986 Oct 8;99(811):757–9

The use of the AIMS questionnaire in the evaluation of sulphasalazine treatment in rheumatoid arthritis. Pelišková Z, et al. **Z Rheumatol** 1987 May–Jun;46(3):124–8

[Salazosulfapyridine or 5–aminosalicylic acid (letter)] Beker JA. **Ned Tijdschr Geneeskd** 1987 Jul 11;131(28):1235 (Dut)

[Salazosulfapyridine or 5–aminosalicylic acid] van Hees PA. **Ned Tijdschr Geneeskd** 1987 May 30;131(22):931–4 (Dut)

[New salazosulfapyridine derivatives. Progress in the treatment of chronic inflammatory diseases of the intestines?] Modigliani R, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):325–32 (57 ref.) (Fre)

[Treatment of ankylosing spondylitis with salazosulfapyridine. A controlled double–blind study in 60 patients] Dougados M, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):255–60 (Eng. Abstr.) (Fre)

[Change in functional capacity and pain intensity of 81 cP patients treated with Azulfidine RA or aurothioglucose. Preliminary statistical assessment of the German multicenter study of the treatment of chronic polyarthritis with Azulfidine RA] Raspe HH, et al. **Z Rheumatol** 1987 Mar–Apr;46(2):71–5 (Eng. Abstr.) (Ger)

[Sulfasalazine (Azulfidine RA) versus aurothioglucose in therapy of chronic polyarthritis—status report of an open, comparative, multicenter long–term study] Schattenkirchner M. **Z Rheumatol** 1987 Mar–Apr; 46(2):67–70 (Eng. Abstr.) (Ger)

[Therapy of seronegative oligoarthritis with salazopyrine] Stroehmann I, et al. **Z Rheumatol** 1987 Mar–Apr; 46(2):79–82 (Eng. Abstr.) (Ger)

[Therapy of juvenile chronic arthritis with sulfasalazine] Suschke HJ. **Z Rheumatol** 1987 Mar–Apr;46(2):83–5 (Eng. Abstr.) (Ger)

[Clinical studies with salazopyrine—consequences and perspectives] Zeidler H. **Z Rheumatol** 1987 Mar–Apr; 46(2):59–66 (Eng. Abstr.) (Ger)

[Experience with sulphasalazine (salazopyrin) in the treatment of rheumatoid arthritis] Winkler V. **Orv Hetil** 1986 Aug 24;127(34):2073–4, 2079–80 (Eng. Abstr.) (Hun)

[New basic preparations with prolonged action in the treatment of rheumatoid arthritis] Tumanova IG, et al. **Ter Arkh** 1987;59(4):80–3 (Eng. Abstr.) (Rus)

[Salazopyrine in the treatment of rheumatoid arthritis (letter)] Villar Grimalt A, et al. **Med Clin (Barc)** 1987 Mar 28; 88(12):519–20 (Spa)

SALICYLIC ACIDS

Infrared spectroscopic characterization of the interaction of lipid bilayers with phenol, salicylic acid and o–acetylsalicylic acid. Casal HL, et al. **Chem Phys Lipids** 1987 Jan–Feb;43(1):47–53

ADMINISTRATION & DOSAGE

Ingestion of Compound W, an unusual caustic. Sacchetti A, et al. **Am J Emerg Med** 1986 Nov;4(6):554–5

Diprosalic ointment and lotion. **Drug Ther Bull** 1986 Oct 6;24(20):79–80

Rational therapy for acne vulgaris: an update on topical treatment. Leyden JJ, et al. **J Am Acad Dermatol** 1986 Oct; 15(4 Pt 2):907–15

A strategy for reaching therapeutic salicylate levels in patients with rheumatoid arthritis using standardized dosing regimens. Furst DE, et al. **J Rheumatol** 1987 Apr; 14(2):342–7

ADVERSE EFFECTS

Salsalate and minimal–change nephrotic syndrome [letter] Vallès M, et al. **Ann Intern Med** 1987 Jul;107(1):116

Salsalate exacerbation of chronic renal insufficiency. Relation to inhibition of prostaglandin synthesis. Abraham PA, et al. **Arch Intern Med** 1987 Sep;147(9):1674–6

Diflunisal–induced neutropenia. McLean CA, et al. **Aust NZ J Med** 1986 Dec;16(6):811–2

Duodenal ulcers associated with salsalate therapy. Lima MA. **Gastrointest Endosc** 1986 Oct;32(5):356–7

Misleading thyroid function tests and several homeostatic abnormalities induced by "disalcid" therapy.Kabadi UM, et al. **J Am Geriatr Soc** 1987 Mar;35(3):255–7

Salicylate and mitochondrial monoamine oxidase function in Reye's syndrome. Faraj BA, et al. **J Pharm Sci** 1987 Jun; 76(6):423–6

A single blind randomized endoscopic study comparing the effects of diflunisal and naproxen in patients with osteoarthritis. Garber EK, et al. **J Rheumatol** 1986 Aug; 13(4):784–8

[Hepatitis caused by diflunisal (Dolobis). Apropos of a case (letter)] Geoffroy P, et al. **Therapie** 1987 Mar–Apr;42(2):253 (Fre)

[Acute renal insufficiency caused by diflunisal. Description of a case] Dionisio P, et al. **Minerva Med** 1986 Sep 22; 77(36):1611–3 (Eng. Abstr.) (Ita)

[Reye's syndrome and salicylic acids] Hori M, et al. **Nippon Rinsho** 1986 Sep;44(9):2095–103 (25 ref.) (Jpn)

ANALYSIS

In vitro release of salicylic acid from two different qualities of white petrolatum. Kneczke M, et al. **Acta Pharm Suec** 1986;23(4):193–204

Determination of diflunisal in human plasma and urine by fast high–performance liquid chromatography. Schwartz M, et al. **J Chromatogr** 1986 Aug 2;380(2):420–4

Comparative examination of the release of the salicylic acid from microemulsive gel and excipiens lanacoli aquosum. Stupar M, et al. **Pharmazie** 1986 Jul;41(7):514

[Stability of cignolin (dithranol) in ointments containing tar with and without the addition of salicylic acid. Oxidation to danthron and dithranol dimer] Müller R, et al. **Hautarzt** 1987 Feb;38(2):107–11 (Eng. Abstr.) (Ger)

[Kinetic study of the hydrolysis of salicylsalicylic acid in the presence of stabilizers] Orte JC, et al. **Farmaco [Prat]** 1987 Apr;42(4):117–22 (Eng. Abstr.) (Spa)

BLOOD

Interference by diflunisal with the FETI method for serum thyroxine. Huisman JW. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):223–4

Transient fall in serum salicylate levels following intraarticular injection of steroid in patients with rheumatoid arthritis. Baer PA, et al. **Arthritis Rheum** 1987 Mar;30(3):345–7

Prolonged blood concentration of salicylic acid following the simultaneous oral administration of salicylic acid and salicyluric acid in rabbits. Nakamura J, et al. **Chem Pharm Bull (Tokyo)** 1986 Jun;34(6):2624–7

Bilirubin interference with salicylate method of the RA–1000 analyzer. Barlow IM, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):309

Presence of salicylic acid in standardbred horse urine and plasma after various feed and drug administrations. Beaumier PM, et al. **Equine Vet J** 1987 May;19(3):207–13

Determination of aspirin and salicylic acid in uremic patients' plasma using reversed–phase high–performance liquid chromatography. Gaspari F, et al. **Ther Drug Monit** 1987 Jun;9(2):243–7

CEREBROSPINAL FLUID

Delayed appearance of salicylate in cerebrospinal fluid [letter] Bannwarth B, et al. **J Rheumatol** 1986 Oct; 13(5):993–4

METABOLISM

Microbial metabolism of chlorosalicylates: effect of prolonged subcultivation on constructed strains. Rubio MA, et al. **Arch Microbiol** 1986 Jul;145(2):123–5

Regulation of the nah and sal operons of plasmid NAH7: evidence for a new function in nahR. You IS, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):986–92

Aromatic hydroxylation as a potential measure of hydroxyl–radical formation in vivo. Identification of hydroxylated derivatives of salicylate in human body fluids. Grootveld M, et al. **Biochem J** 1986 Jul 15;237(2):499–504

Influence of gender and oral contraceptive steroids on the metabolism of salicylic acid and acetylsalicylic acid. Miners JO, et al. **Br J Clin Pharmacol** 1986 Aug;22(2):135–42

Metabolism of salicylate by isolated kidney and liver mitochondria. Kyle ME, et al. **Chem Biol Interact** 1986 Oct 1;59(3):325–35

Effect of nonprotein thiols in the intestinal tissue on the transport of salicylate. Takahata H, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3823–9

Toxic interaction between acetazolamide and salicylate: case reports and a pharmacokinetic explanation [published erratum appears in Clin Pharmacol Ther 1987 Jan;41(1):67] Sweeney KR, et al. **Clin Pharmacol Ther** 1986 Nov; 40(5):518–24

Salicyl phenolic glucuronide pharmacokinetics in patients with rheumatoid arthritis. Bochner F, et al. **Eur J Clin Pharmacol** 1987;32(2):153–8

Effect of dimethylsulfoxide and dimethylformamide on gastric absorption of salicylic acid in rats. Cid E. **Farmaco [Prat]** 1987 Jul;42(7):179–83

Recruitment of naphthalene dissimilatory enzymes for the oxidation of 1,4–dichloronaphthalene to 3,6–dichlorosalicylate, a precursor for the herbicide dicamba. Durham DR, et al. **J Bacteriol** 1987 Jun; 169(6):2889–92

Oxidation of salicylates by stimulated granulocytes: evidence that these drugs act as free radical scavengers in biological systems. Sagone AL Jr, et al. **J Immunol** 1987 Apr 1; 138(7):2177–83

The effect of vehicle on the diffusion of salicylic acid through hairless mouse skin. Sloan KB, et al. **J Pharm Sci** 1986 Aug;75(8):744–9

Corticosteroids–salicylate interaction in a case of juvenile rheumatoid arthritis. Koren G, et al. **Ther Drug Monit** 1987 Jun;9(2):177–9

[The biotransformation and toxicity of xenobiotics in the chick embryo. 1. The embryonated hen's egg as an in vivo model and sodium salicylate as substrate] Kiep L, et al. **Pharmazie** 1986 Dec;41(12):868–72 (Eng. Abstr.) (Ger)

[Percutaneous resorption of salicylic acid methylester from bathing solutions] Pratzel H. **Z Rheumatol** 1987 May–Jun; 46(3):143–50 (Eng. Abstr.) (Ger)

[Evaluation of the absorption of salicylic acid in keratolytic therapy] Montagnani A, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):293–6 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Effect of metal ions on the antimicrobial activity of 5-sulphosalicylic acid. Khadikar PV, et al. **Acta Microbiol Hung** 1986;33(2):97-102

Inhibition of phorbol ester stimulated interleukin 2 production by copper(II) complexes. Harrison JR, et al. **Cancer Res** 1986 Nov;46(11):5571-5

Inhibition of benzo[a]pyrene-dependent mutagenesis and cytochrome P-450 reductase activity by copper complexes. Reiners JJ Jr, et al. **Carcinogenesis** 1986 Oct;7(10):1729-32

Inhibition of gluconeogenesis by salicylate and 5-methoxysalicylate in liver of normal and alloxan-diabetic rats. Nishihata T, et al. **Chem Pharm Bull (Tokyo)** 1986 Dec;34(12):5086-92

Inhibition by 5-sulphosalicylic acid of the glutathione reductase recycling assay for glutathione analysis. Allen KG, et al. **Clin Chim Acta** 1987 Jan 30;162(2):237-9

Aspirin and related derivatives of salicylic acid. Clissold SP. **Drugs** 1986;32 Suppl 4:8-26 (78 ref.)

NADH fluorescence in vivo: changes in cerebral oxidative metabolism and perfusion induced by pentobarbital, indomethacin, and salicylate. Nowicki JP, et al. **J Cereb Blood Flow Metab** 1987 Jun;7(3):280-8

The effect of salicylate on anatomically intact articular cartilage is influenced by sulfate and serum in the culture medium. de Vries BJ, et al. **J Rheumatol** 1986 Aug; 13(4):686-93

Electronic determinants of the anti-inflammatory action of benzoic and salicylic acids. Mehler EL, et al. **Mol Pharmacol** 1987 Mar;31(3):284-93

Influence of salicylate and anaesthesia on the rectal absorption of theophylline in rats. Van Hoogdalem EJ, et al. **Pharm Weekbl [Sci]** 1986 Dec 12;8(6):281-5

Salicylate potentiates valproate-induced hyperammonemia in the rat. Uetrecht JP. **Pharmacology** 1987;34(5):279-85

Salicylate effects on proton gradient dissipation by isolated gastric mucosal surface cells. Olender EJ, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):177-85

Antibacterial efficacy of Fabry's tinctura on the resident flora of the skin at the forehead. Study of bacterial population dynamics in stratum corneum and infundibulum after single and repeated applications. Hartmann AA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Oct; 182(5-6):499-514

[Effects of salicylic acid and salicylamide on sulfisoxazole disposition in rabbits] Imamura Y, et al. **Yakugaku Zasshi** 1986 Dec;106(12):1146-50 (Eng. Abstr.) **(Jpn)**

POISONING

Acute salicylate self-poisoning in 177 consecutive patients treated in ICU. Thisted B, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):312-6

Severe salicylate intoxication mimicking septic shock [letter] Pei YP, et al. **Am J Med** 1987 Feb;82(2):381-2

THERAPEUTIC USE

Campylobacter pyloridis and associated gastritis: investigator blind, placebo controlled trial of bismuth salicylate and erythromycin ethylsuccinate. McNulty CA, et al. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):645-9

An institutional survey of tinea capitis in Harare, Zimbabwe and a trial of miconazole cream versus Whitfield's ointment in its treatment. Wright S, et al. **Clin Exp Dermatol** 1986 Jul;11(4):371-7

Comparison of diflunisal and acetaminophen with codeine in the management of grade 2 ankle sprain. Aghababian RV. **Clin Ther** 1986;8(5):520-6

Comparison of diflunisal and naproxen in the management of acute low back strain. Aghababian RV, et al. **Clin Ther** 1986;9 Suppl C:47-51

A 12-week, double-blind, multicenter study comparing diflunisal twice daily and ibuprofen four times daily in the treatment of rheumatoid arthritis. Bennett RM. **Clin Ther** 1986;9 Suppl C:27-36

Comparison of diflunisal and acetaminophen with codeine in the treatment of initial or recurrent acute low back strain. Brown FL Jr, et al. **Clin Ther** 1986;9 Suppl C:52-8

Efficacy of diflunisal versus naproxen in osteoarthritis of the knee: an open study. Deal CL, et al. **Clin Ther** 1986;9 Suppl C:1-14

Comparison of diflunisal and naproxen for relief of anterior knee pain. Fulkerson JP, et al. **Clin Ther** 1986;9 Suppl C:59-61

Comparison of diflunisal and piroxicam in the management of patients with osteoarthritis. Lewis T, et al. **Clin Ther** 1986;9 Suppl C:15-26

Comparison of diflunisal and naproxen in the treatment of tennis elbow. Stull PA, et al. **Clin Ther** 1986;9 Suppl C:62-6

Comparison of diflunisal and aspirin in long-term treatment of patients with rheumatoid arthritis. Turner RA, et al. **Clin Ther** 1986;9 Suppl C:37-46

A double-blind crossover trial of diflunisal and naproxen in osteoarthritis. White R, et al. **Curr Med Res Opin** 1987; 10(7):436-40

Effects of sulfur and salicylic acid in a shampoo base in the treatment of dandruff: a double-blind study using corneocyte counts and clinical grading. Leyden JJ, et al. **Cutis** 1987 Jun;39(6):557-61

Postoperative pain control for outpatient oral surgery. Chapman PJ. **Int J Oral Maxillofac Surg** 1987 Jun; 16(3):319-24

Antifungal efficacy of a combination of benzoic and salicylic acids in a novel aqueous vanishing cream formulation [letter] Logan RA, et al. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 1):136-8

A multiple-dose comparison of ketorolac tromethamine with diflunisal and placebo in postmenisectomy pain. Honig WJ, et al. **J Clin Pharmacol** 1986 Nov-Dec;26(8):700-5

Comparison of the urate lowering effects of allopurinol and diflunisal. Emmerson BT, et al. **J Rheumatol** 1987 Apr; 14(2):335-7

Juvenile rheumatoid arthritis [letter] Calabro JJ, et al. **N Engl J Med** 1986 Oct 23;315(17):1096

[Hypouricemic effect of diflunisal in patients with gout] Pavelka K, et al. **Cas Lek Cesk** 1986 Nov 14; 125(46):1409-11 (Eng. Abstr.) **(Cze)**

[Mobilat ointment in acute dislocation. Study of the effectiveness in a placebo-controlled double-blind study] Ambrus P, et al. **Fortschr Med** 1987 Apr 30;105(13):259-62 (Eng. Abstr.) **(Ger)**

[Therapeutic activity of a betamethasone dipropionate and salicylic acid combination in dermatology] La Rocca E, et al. **G Ital Dermatol Venereol** 1986 Sep-Oct; 121(5):LXVII-LXIX (Eng. Abstr.) **(Ita)**

[Evaluation of the efficacy and tolerance of betamethasone dipropionate and salicylic acid in steroid-sensitive dry dermatosis] Zambruno G, et al. **G Ital Dermatol Venereol** 1986 Jul-Aug;121(4):XLVII-L (Eng. Abstr.) **(Ita)**

[Clinical trial of a new non-steroidal analgesic (diflunisal) in oral surgery] Bella G, et al. **Minerva Stomatol** 1987 Apr; 36(4):297-300 (Eng. Abstr.) **(Ita)**

TOXICITY

Piperonyl butoxide reduces salicylate-induced nephrotoxicity and covalent binding in male rats. Kyle ME, et al. **Adv Exp Med Biol** 1986;197:717-26

Evaluation of the teratogenicity and pharmacokinetics of diflunisal in cynomolgus monkeys. Rowland JM, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):51-8

SALIENTIA see **ANURA**

SALINE see **SODIUM CHLORIDE**

SALINE FRAGILITY see **OSMOTIC FRAGILITY**

SALINE SOLUTION, HYPERTONIC see under **SODIUM CHLORIDE**

SALIVA

A method for collection of submandibular saliva from dentate patients. McCarthy D, et al. **Br Dent J** 1987 Feb 21; 162(4):148-50

Contact eczema from cow saliva. Camarasa JG. **Contact Dermatitis** 1986 Aug;15(2):117

Effect of saliva on candidal adherence to polymethyl methacrylate resin. Minagi S, et al. **Hiroshima J Med Sci** 1986 Jun;35(2):93-7

The surface area of the adult human mouth and thickness of the salivary film covering the teeth and oral mucosa. Collins LM, et al. **J Dent Res** 1987 Aug;66(8):1300-2

The growth of oral bacteria on saliva. De Jong MH, et al. **J Dent Res** 1987 Feb;66(2):498-505

Saliva contamination and resin bonding of etched metal retainers. Cassidy AJ, et al. **J Prosthet Dent** 1987 Jan; 57(1):29-32

HLV transmission [letter] Falkner ME. **NZ Med J** 1986 Oct 22;99(812):820

ANALYSIS

Deuterium and oxygen-18 measurements on microliter samples of urine, plasma, saliva, and human milk. Wong WW, et al. **Am J Clin Nutr** 1987 May;45(5):905-13

Saliva cotinine as a measure of smoking status in field settings. Abrams DB, et al. **Am J Public Health** 1987 Jul;77(7):846-8

Comparison of five techniques for the determination of protein content in mixed human saliva. Jenzano JW, et al. **Anal Biochem** 1986 Dec;159(2):370-6

Use of a matrix modifier and L'vov platform in the determination of copper in pooled human saliva by electrothermal atomic absorption spectrometry. Gamé I, et al. **Analyst** 1986 Oct;111(10):1139-41

High-performance liquid chromatographic determination of artemisinine (qinghaosu) in human plasma and saliva. Zhao SS. **Analyst** 1987 May;112(5):661-4

Reliability and predictive value of salivary theophylline levels. Jaber M, et al. **Ann Allergy** 1987 Feb;58(2):105-8

Salivary androgens in hirsutism: are they of use in routine evaluation? Wang C, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):590-5

Salivary testosterone: a good measure to reflect free testosterone [letter] Navarro MA, et al. **Arch Intern Med** 1987 Jun;147(6):1189

Saliva cortisol: a good indicator for acceleration stress. Tarui H, et al. **Aviat Space Environ Med** 1987 Jun;58(6):573-5

Identification of a long form of cystatin from human saliva by rapid microbore HPLC mapping. Hawke DH, et al. **Biochem Biophys Res Commun** 1987 Jun 30;145(3):1248-53

Production of an antibody to mouse salivary androgen binding protein (ABP) and its use in identifying a prostate protein produced by a gene distinct from Abp. Dlouhy SR, et al. **Biochem Genet** 1986 Oct;24(9-10):743-63

Nuclear magnetic resonance spectroscopic and computer-stimulated structural analyses of a heptapeptide sequence found around the N-glycosylation site of a proline-rich glycoprotein from human parotid saliva. Loomis RE, et al. **Biophys J** 1987 Feb;51(2):193-203

Salivary concentrations of pirmenol as a possible cause of unpleasant taste. Johnson BF, et al. **Br J Clin Pharmacol** 1986 Nov;22(5):613-5

Detection of sputum eicosanoids in cystic fibrosis and in normal saliva by bioassay and radioimmunoassay. Zakrzewski JT, et al. **Br J Clin Pharmacol** 1987 Jan; 23(1):19-27

Studies on the measurement of 25-hydroxy vitamin D in human saliva. Fairney A, et al. **Br J Nutr** 1987 Jan; 57(1):13-25

Saliva oestriol, oestradiol, oestrone and progesterone levels in pregnancy: spontaneous labour at term is preceded by a rise in the saliva oestriol:progesterone ratio. Darne J, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):227-35

Increased saliva oestriol to progesterone ratio before preterm delivery: a possible predictor for preterm labor? Darne J, et al. **Br Med J** 1987 Jan 31;294(6567):270-2

Salivary pH and glucose after consuming various beverages, including sugar-containing drinks. Meurman JH, et al. **Caries Res** 1987;21(4):353-9

Simple adaptation of a radioimmunoassay kit for serum cortisol used to measure salivary cortisol. Al-Hakiem MH, et al. **Clin Chem** 1987 Jan;33(1):191-2

Electrophoresis indicates protein loss on centrifugation of whole saliva. Marshall T, et al. **Clin Chem** 1987 Jul; 33(7):1263-4

Diagnostic and clinical implications of plasma and salivary melatonin assay [letter] Miles A, et al. **Clin Chem** 1987 Jul; 33(7):1295-7

Direct assay for testosterone in saliva: relationship with a direct serum free testosterone assay. Johnson SG, et al. **Clin Chim Acta** 1987 Mar 30;163(3):309-18

Oral and sialochemical findings in patients with autoimmune rheumatic disease. Fox PC, et al. **Clin Exp Rheumatol** 1987 Apr-Jun;5(2):123-6

Evidence that epidermal growth factor is present in swiftlet's (Collocalia) nest. Kong YC, et al. **Comp Biochem Physiol [B]** 1987;87(2):221-6

The saliva of the medicinal leech Hirudo medicinalis--I. Biochemical characterization of the high molecular weight fraction. Rigbi M, et al. **Comp Biochem Physiol [B]** 1987; 87(3):567-73

Salivary insulin concentrations in type 2 (non-insulin-dependent) diabetic patients and obese non-diabetic subjects: relationship to changes in plasma insulin levels after an oral glucose load. Marchetti P, et al. **Diabetologia** 1986 Oct;29(10):695-8

Use of saliva for monitoring oxcarbazepine therapy in epileptic patients. Klitgaard NA, et al. **Eur J Clin Pharmacol** 1986;31(1):91-4

Formation of didesmethylethimizol (4-5-dicarbamoyl-1-ethylimidazole) in man. Piotrovsky LB, et al. **Eur J Drug Metab Pharmacokinet** 1986 Apr-Jun; 11(2):87-9

Correlation between the saliva and free serum concentration of phenobarbital in epileptic children. Tokugawa K, et al. **Eur J Pediatr** 1986 Oct;145(5):401-2

Progesterone and estradiol in saliva after in vitro fertilization and embryo transfer. Cedard L, et al. **Fertil Steril** 1987 Feb;47(2):278-83

A simplified procedure for simultaneous detection of salivary proteins and its application in paternity testing. Caciro JL, et al. **Forensic Sci Int** 1987 Jan;33(1):47-52

Detection of delta 9-THC in saliva by capillary GC/ECD after marihuana smoking. Maseda C, et al. **Forensic Sci Int** 1986 Dec;32(4):259-66

Nifedipine reduces salivary calcium [letter] Narendranathan M, et al. **Indian J Gastroenterol** 1986 Oct;5(4):294

Salivary and blood levels of neuroleptics during outpatient maintenance treatment. Zohar J, et al. **Isr J Psychiatry Relat Sci** 1986;23(2):123-8

Low profiles of salivary progesterone among college undergraduate women. Ellison PT, et al. **J Adolesc Health Care** 1987 Mar;8(2):204-7

Saliva concentrations of disopyramide cannot substitute the drug's plasma concentrations. Cordonnier J, et al. **J Anal Toxicol** 1987 Jul-Aug;11(4):179-81

Clinical application of radioimmunoassay of salivary testosterone. Majeed PA, et al. **J Assoc Physicians India** 1986 May;34(5):321-3

Comparison of two new controlled-release theophylline formulations in the management of asthma in children and reliability of salivary theophylline concentration. Boner AL, et al. **J Asthma** 1986;23(4):195-202

High-performance liquid chromatographic determination of carbamazepine and carbamazepine 10,11-epoxide in plasma and saliva following solid-phase sample extraction. Hartley R, et al. **J Chromatogr** 1986 Aug 2;380(2):347-56

Liquid chromatographic analysis of chloroquine and desethylchloroquine in human plasma, saliva and urine. Ogunbona FA, et al. **J Chromatogr** 1986 Aug 2; 380(2):425-30

Rapid high-performance liquid chromatography assay for salivary and serum caffeine following an oral load. An

indicator of liver function. Setchell KD, et al. **J Chromatogr** 1987 Jan 9;385:267–74

Cotinine validation of self-reported smoking in commercially run community surveys. Pierce JP, et al. **J Chronic Dis** 1987;40(7):689–95

Morning salivary 17-hydroxyprogesterone is a useful screening test for nonclassical 21-hydroxylase deficiency. Zerah M, et al. **J Clin Endocrinol Metab** 1987 Aug; 65(2):227–32

Developmental changes in the volumes, protein, and some electrolyte concentrations of male and female rat submandibular saliva secreted in response to methoxamine and pilocarpine. Abe K, et al. **J Dent Res** 1987 Mar; 66(3):745–50

Parotid gland function in streptozotocin-diabetic rats. Anderson LC. **J Dent Res** 1987 Feb;66(2):425–9

Longitudinal age-related changes in human parotid saliva composition. Chauncey HH, et al. **J Dent Res** 1987 Feb; 66(2):599–602

Biologically-active, low-molecular-weight peptides in human saliva. Distler W, et al. **J Dent Res** 1987 Feb; 66(2):603–4

Current diagnostic uses of saliva. Ferguson DB. **J Dent Res** 1987 Feb;66(2):420–4 (46 ref.)

X-ray photoelectron spectroscopic studies of the adsorption of salivary constituents on enamel. Kuboki Y, et al. **J Dent Res** 1987 May;66(5):1016–9

Pharmacological evaluation of an intra-oral fluoride-releasing device in adolescents. Kula K, et al. **J Dent Res** 1987 Oct;66(10):1538–42

Evaluation of biochemical validation measures in determination of smoking status. Stookey GK, et al. **J Dent Res** 1987 Oct;66(10):1597–601

Antimicrobial factors in saliva: ontogeny and relation to oral health. Tenovuo J, et al. **J Dent Res** 1987 Feb;66(2):475–9

Metronidazole concentrations in human plasma, saliva, and gingival crevice fluid after a single dose. Van Oosten MA, et al. **J Dent Res** 1986 Dec;65(12):1420–3

Transient increases in progesterone in daily and 2-hourly saliva specimens from adolescent girls. Truran PL, et al. **J Endocrinol** 1986 Dec;111(3):513–8

Comparison of laser and ultraviolet techniques used in the detection of body secretions. Auvdel MJ. **J Forensic Sci** 1987 Mar;32(2):326–45

Salivary content in hemodialysed patients. Shasha SM, et al. **J Oral Med** 1983 Apr–Jun;38(2):67–70

Saliva composition and caries development during protein deficiency and beta-receptor stimulation or inhibition. Johansson I, et al. **J Oral Pathol** 1987 Mar;16(3):145–9

Assessment of adrenocortical activity in term newborn infants using salivary cortisol determinations. Francis SJ, et al. **J Pediatr** 1987 Jul;111(1):129–33

Qualitative and quantitative studies of Gc (vitamin D-binding protein) in normal subjects and patients with periodontal disease. Krayer JW, et al. **J Periodont Res** 1987 Jul; 22(4):259–63

Fibronectin in saliva and gingival crevices. Tynelius-Bratthall G, et al. **J Periodont Res** 1986 Sep; 21(5):563–8

Salivary secretion of paracetamol in man. Kamali F, et al. **J Pharm Pharmacol** 1987 Feb;39(2):150–2

Determination of ovarian steroid hormone levels in saliva. An overview. Riad-Fahmy D, et al. **J Reprod Med** 1987 Apr;32(4):254–72

Diurnal fluctuation in saliva aldosterone concentration. Few JD, et al. **J Steroid Biochem** 1987 Feb;26(2):265–71

Citrate and salivary drug measurement [letter] Knott C, et al. **Lancet** 1987 Jan 10;1(8524):97

Salivary drug measurement: a cautionary tale [letter] Paton RD, et al. **Lancet** 1986 Dec 6;2(8519):1340

Analysis of volatile fatty acids in biological specimens by capillary column gas chromatography. Fleming SE, et al. **Lipids** 1987 Mar;22(3):195–200

Influence of short-term cycling on salivary cortisol levels. O'Connor PJ, et al. **Med Sci Sports Exerc** 1987 Jun; 19(3):224–8

Mouse saliva prevents the beta-nerve growth factor-dependent neurite formation in PC-12 cells. Lakshmanan J. **Neurosci Res** 1987 Feb;4(3):211–27

Ascorbic acid intake and salivary ascorbate levels. **Nutr Rev** 1986 Oct;44(10):328–30

Transient increase in postnatal testicular activity is not revealed by longitudinal measurements of salivary testosterone. Huhtaniemi I, et al. **Pediatr Res** 1986 Dec; 20(12):1324–7

Effects of betamethasone on theophylline disposition in man. Are saliva values predictive of serum theophylline levels? De Marino V, et al. **Pharmacol Res Commun** 1986 Oct; 18(10):909–21

Methylphenidate salivary levels in children. Greenhill LL, et al. **Psychopharmacol Bull** 1987;23(1):115–9

Saliva testosterone and criminal violence in young adult prison inmates. Dabbs JM Jr, et al. **Psychosom Med** 1987 Mar–Apr;49(2):174–82

Bile acids in serum, ultrafiltrate of serum and saliva from patients with cholestatic jaundice. Hedenborg G, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):83–9

Fluoride clearance of whole saliva in young school children after topical application. Petersson LG, et al. **Swed Dent J** 1987;11(3):95–101

Radioimmunoassay of salivary digoxin by simple adaptation of a kit method for serum digoxin: saliva/serum ratio and correlation. Mahmod S, et al. **Ther Drug Monit** 1987; 9(1):91–6

[Determination of theophylline in saliva] Trnavská Z. **Cesk Farm** 1987 Apr;36(3):112–9 (149 ref.) **(Cze)**

[The graduated intramuscular ACTH test and the determination of cortisol in saliva] Poršová I, et al. **Vnitr Lek** 1987 Apr;33(4):356–60 (Eng. Abstr.) **(Cze)**

[Free salivary steroids and plasma hormones in women] Demey-Ponsart E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(5):615–9 (Eng. Abstr.) **(Fre)**

[Study of salivary cortisol using radioimmunological assay. Diagnostic value] Simon C, et al. **Pathol Biol (Paris)** 1987 Apr;35(4):427–30 (Eng. Abstr.) **(Fre)**

[Assay of steroid hormones in the saliva] Cédard L. **Presse Med** 1986 Nov 1;15(38):1903–4 **(Fre)**

[Diagnostic relevance of saliva analysis in parotid tumors] Arglebe C, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb; 66(2):104–6 (Eng. Abstr.) **(Ger)**

[Radioimmunologic determination of the progestagen dienogest in plasma and saliva] Hobe G, et al. **Pharmazie** 1986 Nov;41(11):772–4 (Eng. Abstr.) **(Ger)**

[Psoriasis. Sodium, potassium, chloride—analysis in sweat, saliva and urine—selective ultraviolet phototherapy] Wanjura HJ. **Z Hautkr** 1987 Jul 1;62(13):1029–34 (Eng. Abstr.) **(Ger)**

[Alterations in the activity of BAEE in the saliva in relation to blood pressure and intensity of inflammatory periodontopathies] Steinke J, et al. **Z Med Lab Diagn** 1986; 27(7):407–8 **(Ger)**

[Secretion of cefsulodin and moxalactam in the saliva] Kelentey BA, et al. **Fogorv Sz** 1987 Jun;80(6):183–5 (Eng. Abstr.) **(Hun)**

[Saliva determination, using a potentiometric method, of the fluorine ion after oral administration] Ciucciù D, et al. **Minerva Stomatol** 1987 Mar;36(3):147–52 (Eng. Abstr.) **(Ita)**

[Salivary acidity as an index of periodontal disease in pregnancy. A clinical contribution] Devalle GF, et al. **Minerva Stomatol** 1987 Jun;36(6):453–9 (Eng. Abstr.) **(Ita)**

[Purification of human transcobalamin II, saliva R and the production of antibodies against their proteins] Kondo H, et al. **Nippon Ketsueki Gakkai Zasshi** 1986 Nov; 49(7):1329–37 (Eng. Abstr.) **(Jpn)**

[Determinative technics of plasma and salivary cortisol in patients with chronic nephropathies in hemodialysis programs] Machado CE, et al. **AMB** 1986 Mar–Apr; 32(3–4):42–6 (Eng. Abstr.) **(Por)**

[Comparison of the verapamil concentration of human blood serum and saliva] Rumiantsev DO, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):85–9 (Eng. Abstr.) **(Rus)**

[Calcium and phosphorus content of the teeth, blood and saliva and enamel and dentin microhardness in workers in phosphorus plants] Borovskiĭ EV, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):7–9 (Eng. Abstr.) **(Rus)**

[Mineral composition of dental deposits and oral fluids in caries] Gomershtein VA. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):9–11 (Eng. Abstr.) **(Rus)**

[Effect of removable plate dentures on the capillary blood circulation of the gingiva and on blood coagulation factors in the saliva. I] Moshkovich LD, et al. **Stomatologiia (Mosk)** 1987 Jan–Feb;66(1):64–6 (Eng. Abstr.) **(Rus)**

[Crystallographic method of studying the saliva in inflammatory odontogenic jaw diseases] Timofeev AA. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):15–7 (Eng. Abstr.) **(Rus)**

[Diagnostic and therapeutic use of saliva examination in children] Michaličková J, et al. **Cesk Pediatr** 1987 May; 42(5):271–3 (Eng. Abstr.) **(Slo)**

[Determination of steroids in the saliva for testing endocrine function (letter)] Bonnin MR, et al. **Rev Clin Esp** 1986 Nov; 179(7):383 **(Spa)**

DRUG EFFECTS

Effect of somatostatin on salivary secretion in man. Loguercio C, et al. **Digestion** 1987;36(2):91–5

Saliva secretion rate and saliva composition as a model to determine the effect of antidepressant drugs on cholinergic and noradrenergic transmission. von Knorring L, et al. **Neuropsychobiology** 1986;15(3–4):146–54

Effect of effervescent vitamin C preparations on bovine teeth and on some clinical and salivary parameters in man. Meurman JH, et al. **Scand J Dent Res** 1986 Dec;94(6):491–9

ENZYMOLOGY

Salivary kallikrein and kininase activities in periodontal diseases. Picarelli A, et al. **Adv Exp Med Biol** 1986;198 Pt B:433–7

Increased salivary elastase precedes gram-negative bacillary colonization in postoperative patients. Dal Nogare AR, et al. **Am Rev Respir Dis** 1987 Mar;135(3):671–5

Evaluation of kallikrein in human parotid and submandibular saliva. Jenzano JW, et al. **Arch Oral Biol** 1986;31(9):627–8

Specific assays for peroxidases in human saliva. Mansson-Rahemtulla B, et al. **Arch Oral Biol** 1986; 31(10):661–8

Role of enzymes in antimutagenesis of human saliva and serum. Nishioka H, et al. **Basic Life Sci** 1986;39:143–51

A heterogeneous beta-D-glucosidase activator from monkey parotid gland and its use as an affinity ligand in the purification of human salivary beta-D-glucosidase. Nagarajan S, et al. **Biochem Int** 1987 Feb;14(2):365–73

Elevated activities of blood group Le gene dependent alpha(1——3)-L-fucosyltransferase in human saliva of Lewis negative patients with epithelial ovarian cancer. Yazawa S, et al. **Cancer Lett** 1986 Aug;32(2):165–9

A monoclonal antibody that specifically inhibits human salivary alpha-amylase. Gerber M, et al. **Clin Chem** 1987 Jul;33(7):1158–62

Differential assay of salivary and pancreatic alpha-amylase in serum and urine, with use of monoclonal antibody to human salivary amylase immobilized on bacterial cell wall. Hiroishi S, et al. **Clin Chem** 1987 Jul;33(7):1235–6

Salivary amylase and pancreatic enzymes in Sjögren's syndrome. Pal B, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):305–7

Coordination of murine parotid secretory protein and salivary amylase expression. Poulsen K, et al. **EMBO J** 1986 Aug; 5(8):1891–6

Changes in the activity of lactatedehydrogenase, malatdehydrogenase, alkaline and acid phosphatase in the saliva of anesthesiological personnel. Popova S, et al. **Folia Med (Plovdiv)** 1986;28(3):40–4

Serum salivary isoamylase levels in patients with anorexia nervosa, bulimia or bulimia nervosa. Blinder BJ, et al. **Hillside J Clin Psychiatry** 1986;8(2):152–63

Differential rate assay of human pancreatic and salivary alpha-amylases in serum using two coupled enzymes. Omichi K, et al. **J Biochem (Tokyo)** 1986 Nov; 100(5):1353–8

Metal binding characteristics of human salivary and porcine pancreatic amylase. Agarwal RP, et al. **J Biol Chem** 1987 Feb 25;262(6):2568–75

Purification and characterization of human salivary carbonic anhydrase. Murakami H, et al. **J Biol Chem** 1987 Jan 25; 262(3):1382–8

Highly sensitive assay for alkaline and acid phosphatase activities by high-performance liquid chromatography with electrochemical detection. Togari A, et al. **J Chromatogr** 1987 Jun 5;417(1):41–6

Isoamylase measurements with monoclonal antibody test strips. Lorentz K. **J Clin Chem Clin Biochem** 1987 May; 25(5):309–11

Factors influencing measurement of human salivary lysozyme in lysoplate and turbidimetric assays. Jenzano JW, et al. **J Clin Microbiol** 1986 Dec;24(6):963–7

Characterization of plasminogen activators in unstimulated and stimulated human whole saliva. Sindet-Pedersen S, et al. **J Dent Res** 1987 Jun;66(6):1199–203

Substrate specificity of fucosyltransferase purified from human parotid saliva. Tamagawa H, et al. **J Dent Res** 1987 Mar;66(3):756–60

Purification and some properties of fucosyltransferase in human parotid saliva. Tamagawa H, et al. **J Dent Res** 1987 Jan;66(1):72–7

Simultaneous expression of salivary and pancreatic amylase genes in cultured mouse hepatoma cells. Darlington GJ, et al. **Mol Cell Biol** 1986 Apr;6(4):969–75

beta-N-acetyl-D-glucosaminidase (NAGase) and lysozyme activity in human parotid and submandibular saliva. Fouda NE, et al. **Scand J Dent Res** 1987 Jun;95(3):216–20

Glucosyltransferase activity in human in vivo formed enamel pellicle and in whole saliva. Scheie AA, et al. **Scand J Dent Res** 1987 Jun;95(3):212–5

Lysozyme activity and L(+)-lactic acid production in saliva in schoolchildren with high Lactobacillus counts. Twetman S, et al. **Scand J Dent Res** 1987 Apr;95(2):128–31

Identification of human saliva by antisera to alpha-amylase in human salivary glands. Ohya I, et al. **Tohoku J Exp Med** 1986 Nov;150(3):309–15

[A new procedure for determining alpha-amylase activity in the saliva] Krebs S, et al. **Z Med Lab Diagn** 1987; 28(1):53–5 **(Ger)**

[Amylase, saliva flow rate and caries] Klinger G, et al. **Zahn Mund Kieferheilkd** 1987;75(3):238–44 (Eng. Abstr.) **(Ger)**

[Normal value of lysozyme activity in the saliva of preschool children] Vorob'eva AI, et al. **Gig Sanit** 1987 May;(5):83 **(Rus)**

[Methodology for collecting samples of saliva for determination of lysozyme concentration and production] Varenko IuS, et al. **Lab Delo** 1987;(5):366–71 (Eng. Abstr.) **(Rus)**

[Dynamics of various indices of nonspecific bodily resistance among ginnery workers inhaling prodigiozan] Kuznetsov VS, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):55–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoglobulins and innate factors of immunity in saliva of children prone to respiratory infections. Lehtonen OP, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Feb; 95(1):35–40

Immunosorbent assay of interactions between human parotid immunoglobulin A and dietary lectins. Gibbons RJ, et al. **Arch Oral Biol** 1986;31(7):477–81

Serum and salivary antibodies against Streptococcus mutans in young children with and without detectable oral S. mutans. Tenovuo J, et al. **Caries Res** 1987;21(4):289–96

Breast feeding conditions a differential developmental pattern

of mucosal immunity. Gleeson M, et al. **Clin Exp Immunol** 1986 Oct;66(1):216–22

The metabolism and transport of bovine serum SIgA. Butler JE, et al. **Comp Immunol Microbiol Infect Dis** 1986; 9(4):303–15

Naturally occurring IgA antibodies to ocular and oral microorganisms in tears saliva and colostrum: evidence for a common mucosal immune system and local immune response. Gregory RL, et al. **Exp Eye Res** 1986 Nov; 43(5):739–49

Relationships of the soluble human A, B, and H antigens of blood group A1B individuals. Grundbacher FJ. **Experientia** 1987 Jun 15;43(6):616–7

The oral immune system: dynamics of salivary immunoglobulin production in the inbred mouse. Deslauriers N, et al. **Immunol Invest** 1986 Jun;15(4):339–49

Characterization of a rat salivary sialoglycoprotein complex which agglutinates Streptococcus mutans. Brack CM, et al. **Infect Immun** 1987 May;55(5):1264–73

Fimbria-specific antibodies in serum and saliva of mice immunized with Actinomyces viscosus T14V fimbriae. Crawford PC, et al. **Infect Immun** 1986 Nov;54(2):507–15

Differentiation and interaction of secretory immunoglobulin A and a calcium-dependent parotid agglutinin for several bacterial strains. Rundegren J, et al. **Infect Immun** 1987 Feb;55(2):288–92

Efficacy of oral immunization against non-typable Haemophilus influenzae in man. Yeung S, et al. **Int J Immunopharmacol** 1987;9(3):283–8

Salivary antibodies as a means of detecting human T cell lymphotropic virus type III/lymphadenopathy-associated virus infection. Archibald DW, et al. **J Clin Microbiol** 1986 Nov;24(5):873–5

Saliva as a source of feline leukemia virus antigen for diagnosis of disease. Lewis MG, et al. **J Clin Microbiol** 1987 Jul;25(7):1320–2

Salivary IgG, a parameter of periodontal disease activity? High responders to Actinobacillus actinomycetemcomitans Y4 in juvenile and adult periodontitis. Sandholm L, et al. **J Clin Periodontol** 1987 May;14(5):289–94

Interference of IgA protease with the effect of secretory IgA on adherence of oral streptococci to saliva-coated hydroxyapatite. Reinholdt J, et al. **J Dent Res** 1987 Feb; 66(2):492–7

Serum and salivary IgA in mumps. Shawky RM, et al. **J Egypt Public Health Assoc** 1985;60(5–6):397–411

The effect of an academic examination on salivary norepinephrine and immunoglobulin levels. McClelland DC, et al. **J Human Stress** 1985 Summer;11(2):52–9

Analysis of paraprotein transport into the saliva by using anti-idiotype antibodies. Kubagawa H, et al. **J Immunol** 1987 Jan 15;138(2):435–9

Secretory IgA antibodies to human immunodeficiency virus in the parotid saliva of patients with AIDS and AIDS-related complex. Archibald DW, et al. **J Infect Dis** 1987 Apr;155(4):793–6

Evidence that secretory IgA antibody is associated with daily mood. Stone AA, et al. **J Pers Soc Psychol** 1987 May; 52(5):988–93

Sensitive assays for viral antibodies in saliva: an alternative to tests on serum. Parry JV, et al. **Lancet** 1987 Jul 11; 2(8550):72–5

Anti-mycobacterial antibodies in saliva. Abe M, et al. **Lepr Rev** 1986 Dec;57 Suppl 2:213–23

Differential recognition of oral indigenous bacteria by salivary immunoglobulins A and G. Deslauriers N, et al. **Microbiol Immunol** 1987;31(3):199–209

Glycosaminoglycans enhance complement hemolytic efficiency: theoretical considerations for GAG-complement-saliva interactions. Chang NS, et al. **Mol Immunol** 1986 Aug;23(8):887–93

Elevated salivary IgA in patients with IgA nephropathy. Yamabe H, et al. **Nephron** 1987;45(2):176

Origin of immunoglobulins in human saliva. Grönblad-Saksela E. **Proc Finn Dent Soc** 1986;82 Suppl 5–6:1–36

Serum and salivary antibodies in various periodontal conditions. Sandholm L. **Proc Finn Dent Soc** 1987; 83(3):151–5

Salivary IgA antibodies reacting with Streptococcus mutans in relation to changes in salivary S. mutans counts: a longitudinal study in humans. Tenovuo J, et al. **Proc Finn Dent Soc** 1987;83(2):55–9

Salivary immunoglobulins in healthy white and black adults compared with oesophageal cancer patients. Segal I, et al. **S Afr Med J** 1987 Jul 4;72(1):43–4

IgD in infant saliva. Gleeson M, et al. **Scand J Immunol** 1987 Jul;26(1):55–7

IgA antibodies to gram-negative bacteria in the serum and saliva of patients with ankylosing spondylitis. Pease CT, et al. **Scand J Rheumatol** 1987;16(3):199–203

Local response in rat to liposome-associated Streptococcus mutans polysaccharide-protein conjugate. Bruyere T, et al. **Vaccine** 1987 Mar;5(1):39–42

[Immunoglobulins in human saliva] Grönblad-Saksela E. **Proc Finn Dent Soc** 1986;82(4):233–5 (Eng. Abstr.) **(Fin)**

[Phagocytosis capacity of salivary leukocytes] Tiede D. **Zahn Mund Kieferheilkd** 1987;75(3):255–9 (Eng. Abstr.) **(Ger)**

[Local immunity and microflora of the alimentary canal of newborn infants in the early postnatal period] Chernyshova LI. **Pediatriia** 1986 Dec;(12):9–12 (Eng. Abstr.) **(Rus)**

[Immunoglobulins and lysozyme in the gastric juice, oropharyngeal secretion and blood serum of children with gastroduodenal pathology] Fokina TV, et al. **Pediatriia** 1986 Nov;(11):28–31 (Eng. Abstr.) **(Rus)**

[Use of antisaliva heteroimmune sera in the immunofluorescence reaction in research on sperm stains] Druz' AF, et al. **Sud Med Ekspert** 1987 Jan–Mar;30(1):33–5 (Eng. Abstr.) **(Rus)**

[Determination of the group classification of saliva by the ABO system using rocket immunoelectrophoresis] Sigal ER, et al. **Sud Med Ekspert** 1986 Oct–Dec;29(4):40–2 (Eng. Abstr.) **(Rus)**

[Levels of the individual immunoglobulin classes in the blood serum and saliva of patients with various stages of chronic lympholeukemia] Lialikova GV, et al. **Ter Arkh** 1986; 58(9):77–80 (Eng. Abstr.) **(Rus)**

[Immunoglobulin A content of the saliva in different population groups] Tret'iakova AG, et al. **Vrach Delo** 1986 Oct;(10):29–32 (Eng. Abstr.) **(Rus)**

[Levels of secretory IgA in the saliva of healthy children in Mexico City] Torres N, et al. **Rev Invest Clin** 1986 Jul–Sep;38(3):239–43 (Eng. Abstr.) **(Spa)**

METABOLISM

Sub-hourly variations in salivary estriol concentrations in the last trimester of pregnancy. Cusick PE, et al. **Acta Obstet Gynecol Scand** 1986;65(5):435–8

Salivary cotinine levels and involuntary tobacco smoke exposure in children and adults in New Mexico. Coultas DB, et al. **Am Rev Respir Dis** 1987 Aug;136(2):305–9

Metabolic differences between saliva from caries-active and caries- and restoration-free children. Minah GE, et al. **Arch Oral Biol** 1986;31(10):633–8

Effect of a protease derived from the oral bacterium Bacteroides loescheii on the inhibition of calcium-phosphate precipitation by human parotid saliva. Morishita M, et al. **Arch Oral Biol** 1986;31(8):555–7

Salivary paracetamol elimination kinetics during the menstrual cycle. Somaja L, et al. **Br J Clin Pharmacol** 1987 Mar;23(3):348–50

The relation between aldosterone concentrations in plasma and saliva during pregnancy. Few JD, et al. **Br J Obstet Gynaecol** 1986 Sep;93(9):928–32

Inhibition of calcium phosphate precipitation by human salivary acidic proline-rich proteins: structure-activity relationships. Hay DI, et al. **Calcif Tissue Int** 1987 Mar; 40(3):126–32

3-(Methylnitrosamino)propionitrile: occurrence in saliva of betel quid chewers, carcinogenicity, and DNA methylation in F344 rats. Prokopczyk B, et al. **Cancer Res** 1987 Jan 15;47(2):467–71

Sodium monofluorophosphate degradation by oral streptococci, plaque and saliva. Saotome T, et al. **Caries Res** 1987;21(2):97–103

Progesterone in saliva [letter] Read GF, et al. **Clin Chem** 1986 Oct;32(10):1997–8

Is there neural control over electrolyte reabsorption in the human salivary gland? Levin SL, et al. **Clin Sci** 1987 May; 72(5):541–8

A study on carbamazepine levels, including estimation of 10–11 epoxy-carbamazepine and levels in free plasma and saliva. Tomlin PI, et al. **Dev Med Child Neurol** 1986 Dec; 28(6):713–8

Persistence of IgA in neonatal saliva following breast feeding. Aldred MJ, et al. **Early Hum Dev** 1986 Dec;14(3–4):273–6

Changes in adrenal and testicular activity monitored by salivary sampling in males throughout marathon runs. Cook NJ, et al. **Eur J Appl Physiol** 1986;55(6):634–8

Pharmacokinetics of chloroquine: saliva and plasma levels relationship. Ette EI, et al. **Eur J Drug Metab Pharmacokinet** 1986 Oct–Dec; 11(4):275–81

Studies on the diurnal variations of 17-hydroxyprogesterone in saliva by enzyme immunoassay in patients with congenital adrenal hyperplasia. Hoepffner W, et al. **Exp Clin Endocrinol** 1986 Jul;87(2):189–94

Overnight salivary caffeine clearance: a liver function test suitable for routine use. Jost G, et al. **Hepatology** 1987 Mar–Apr;7(2):338–44

Salivary cortisol for monitoring adrenal activity during marathon runs. Cook NJ, et al. **Horm Res** 1987;25(1):18–23

Salivary progesterone and luteal function in two low-fertility populations of Northeast Zaire. Ellison PT, et al. **Hum Biol** 1986 Aug;58(4):473–83

Single sample estimate of ethosuximide clearance. Bachmann K, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Oct; 24(10):546–50

Effect of desferrioxamine on salivary iron in thalassemic children [letter] Greif Z, et al. **Isr J Med Sci** 1986 Jun; 22(6):482–3

Saliva lithium monitoring in prepubertal children. Weller EB, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar; 26(2):173–5

Confirmation of cocaine in human saliva after intravenous use. Thompson LK, et al. **J Anal Toxicol** 1987 Jan–Feb; 11(1):36–8

The comparability of ethanol concentrations in peripheral blood and saliva. The phenomenon of variation in saliva to blood concentration ratios. Haeckel R, et al. **J Clin Chem Clin Biochem** 1987 Apr;25(4):199–204

Salivary testosterone in hirsutism: correlations with serum testosterone and the degree of hair growth. Ruutiainen K, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1015–20

Physiological factors influencing salivary clearance of sugar and fluoride. Lagerlöf F, et al. **J Dent Res** 1987 Feb; 66(2):430–5 (29 ref.)

Ion transport and water movement. Martinez JR. **J Dent Res** 1987 Feb;66 Spec No:638–47 (58 ref.)

1,25-Dihydroxycholecalciferol regulates salivary phosphate secretion in cattle. Riad F, et al. **J Endocrinol** 1987 Mar; 112(3):427–30

The biochemistry of nitrates, nitrites, nitrosamines and other potential carcinogens in human saliva. Tenovuo J. **J Oral Pathol** 1986 Jul;15(6):303–7 (58 ref.)

Plasma and saliva propafenone concentrations at steady state. Mason WD, et al. **J Pharm Sci** 1987 Jun;76(6):437–40

Melatonin rhythm in human plasma and saliva. McIntyre IM, et al. **J Pineal Res** 1987;4(2):177–83

Type A, test performance and salivary cortisol. Jones KV, et al. **J Psychosom Res** 1986;30(6):699–707

Comparison of saliva and plasma 17-hydroxyprogesterone time-course response to hCG administration in normal men. Nahoul K, et al. **J Steroid Biochem** 1987 Feb; 26(2):251–7

Complications in correlation studies between serum, free serum and saliva concentrations of nitrazepam. 't Hart BJ, et al. **Methods Find Exp Clin Pharmacol** 1987 Feb; 9(2):127–31

Acute effects of some different antidepressant drugs on saliva composition. Mörnstad H, et al. **Neuropsychobiology** 1986; 15(2):73–9

Salivary lipids in health and disease. Slomiany BL, et al. **Prog Lipid Res** 1985;24(4):311–24 (97 ref.)

Factors affecting the secretion of submandibular salivary kallikrein in cats. Garrett JR, et al. **Q J Exp Physiol** 1987 Jul;72(3):357–68

Intraoral hydrolysis of monofluorophosphate. Bruun C, et al. **Scand J Dent Res** 1987 Jun;95(3):202–4

Penicillin concentration in saliva and its influence on bacterial interference. Grahn E, et al. **Scand J Infect Dis** 1987; 19(2):235–41

On the stability of salivary progesterone under various conditions of storage. Banerjee S, et al. **Steroids** 1985 Dec; 46(6):967–74

[Enzyme immunoassay for digoxin (solid phase ELISA) in serum and saliva] Hubl W, et al. **Z Med Lab Diagn** 1986; 27(8):435–42 (Eng. Abstr.) **(Ger)**

[The secretion of inorganic phosphorus in the saliva of P-depleted sheep] Breves G, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):42–7 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Detection of human immunosuppressive virus in salivary lymphocytes from dental patients with AIDS [letter] Pekovic D, et al. **Am J Med** 1987 Jan;82(1):188–9

Effects of partial sugar restriction for 6 weeks on numbers of Streptococcus mutans in saliva and interdental plaque in man. Kristoffersson K, et al. **Caries Res** 1987;21(1):79–86

In vivo colonization of salivary pellicle by Haemophilus, Actinomyces and Streptococcus species. Liljemark WF, et al. **Caries Res** 1986;20(6):481–97

Diagnosis of pneumococcal pneumonia by detection of antigen in saliva. Krook A, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):639–42

Cell-to-cell interaction of Streptococcus sanguis and Propionibacterium acnes on saliva-coated hydroxyapatite. Ciardi JE, et al. **Infect Immun** 1987 Jun;55(6):1441–6

Role of sialic acid in the kinetics of Streptococcus sanguis adhesion to artificial pellicle. Cowan MM, et al. **Infect Immun** 1987 Jul;55(7):1552–7

Potential role of lysozyme in bactericidal activity of in vitro-acquired salivary pellicle against Streptococcus faecium 9790. Germaine GR, et al. **Infect Immun** 1986 Dec; 54(3):846–54

Control of Streptococcus mutans with topical fluoride in patients undergoing orthodontic treatment. Vierrou AM, et al. **J Am Dent Assoc** 1986 Oct;113(4):644–6

The effect of a single large dose of amoxycillin on oral streptococci. MacGregor AJ, et al. **J Antimicrob Chemother** 1986 Jul;18(1):113–7

Detection of feline leukemia virus infection in saliva. Lutz H, et al. **J Clin Microbiol** 1987 May;25(5):827–31

Antimicrobial properties of 2 aliphatic amines and chlorhexidine in vitro and in saliva. Salem AM, et al. **J Clin Periodontol** 1987 Jan;14(1):44–7

A simplified diagnostic system for cultural detection and enumeration of Streptococcus mutans. Jordan HV, et al. **J Dent Res** 1987 Jan;66(1):57–61

Lysozyme-protease-inorganic monovalent anion lysis of oral bacterial strains in buffers and stimulated whole saliva. Pollock JJ, et al. **J Dent Res** 1987 Feb;66(2):467–74

Relationship between dental plaque indices and bacteria in dental plaque and those in saliva. Schaeken MJ, et al. **J Dent Res** 1987 Sep;66(9):1499–502

Experimental transmission of non-A, non-B hepatitis by saliva [letter] Abe K, et al. **J Infect Dis** 1987 May; 155(5):1078–9

Quantitative analysis of hepatitis B virus DNA in saliva and semen of chronically infected homosexual men. Jenison SA, et al. **J Infect Dis** 1987 Aug;156(2):299–307

An improved medium for isolation of Streptococcus mutans. Wade WG, et al. **J Med Microbiol** 1986 Dec;22(4):319–23

IgA deficiency and salivary transmission of human

immunodeficiency virus [letter] Zon LI, et al. **Lancet** 1986 Nov 1;2(8514):1039–40

Survival and growth of Ajellomyces (Blastomyces) dermatitidis on oak leaves coated with saliva. McDonough ES, et al. **Mycopathologia** 1987 Jul;99(1):57–60

Survival of cytomegalovirus in paper diapers and saliva. Schupfer PC, et al. **Pediatr Infect Dis** 1986 Nov–Dec; 5(6):677–9

In vitro attachment of oral microorganisms to solid surfaces: evaluation of a controlled flow method. Christersson CE, et al. **Scand J Dent Res** 1987 Apr;95(2):151–8

Comparison between a dip-slide test and plate count for determination of Streptococcus mutans infection. Emilson CG, et al. **Scand J Dent Res** 1986 Dec;94(6):500–6

Streptococcus mutans levels in saliva and distribution of serotypes among 9-year-old Icelandic children. Holbrook WP, et al. **Scand J Dent Res** 1987 Feb;95(1):37–42

Caries status and microbial conditions in children in 1973 and 1984. Klock B, et al. **Scand J Dent Res** 1987 Feb; 95(1):13–7

Comparison between a micromethod and a conventional method for estimation of salivary Streptococcus mutans. Köhler B, et al. **Scand J Dent Res** 1987 Apr;95(2):132–5

Erupting third molars and salivary lactobacilli and Streptococcus mutans counts. Meurman JH, et al. **Scand J Dent Res** 1987 Feb;95(1):32–6

Interexaminer variability in common ratings in reading Streptococcus mutans dip-slides with or without a microscope. Murtomaa H, et al. **Scand J Dent Res** 1987 Apr;95(2):144–50

Lactobacilli and Streptococcus mutans in saliva, diet and caries increment in 8- and 13-year-old children. Stecksén-Blicks C. **Scand J Dent Res** 1987 Feb;95(1):18–26

Can the presence of erupting or exfoliating teeth increase the salivary lactobacillus count? Wikner S, et al. **Scand J Dent Res** 1987 Apr;95(2):124–7

Prolonged oral reduction of Streptococcus mutans in humans after chlorhexidine disinfection followed by fluoride treatment. Zickert I, et al. **Scand J Dent Res** 1987 Aug; 95(4):315–9

The utilization of nitrate and nitrite by Streptococcus salivarius in the saliva. Broschinski L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):163–6

[Salivary flora in relation to fixed orthodontic appliances] Baillet G, et al. **Orthod Fr** 1985;56(2):649–59 (Eng. Abstr.) **(Fre)**

[Influence of vancomycin by venous route on salivary and fecal aerobic floras] Auge B, et al. **Pathol Biol (Paris)** 1987 May;35(5):673–5 (Eng. Abstr.) **(Fre)**

[Clinical study of Elmex toothpaste. Effect of amino-fluoride on periodontitis, oral hygiene and salivary microflora] Bánóczy J, et al. **Fogorv Sz** 1987 Jan;80(1):8–12 (Eng. Abstr.) **(Hun)**

[3-year results of the WHO xylitol caries-prevention program in Hungarian homes for children. IV. Microbiological studies: changes in salivary Lactobacillus and Candida albicans counts] Gábris K, et al. **Fogorv Sz** 1987 Mar;80(3):71–6 (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Salivary and microbial conditions in patients with orofacial discomfort complaints. Yontchev E, et al. **Acta Odontol Scand** 1986 Aug;44(4):215–9

Lipid composition and viscosity of parotid saliva in Sjögren syndrome in man. Slomiany BL, et al. **Arch Oral Biol** 1986; 31(10):699–702

Reduced phagocytosis promoting activity of saliva from patients with chronic lymphocytic leukemia. Mittelman M, et al. **Biomed Pharmacother** 1986;40(8):308–11

Saturation of human salivary secretions with respect to calcite and inhibition of calcium carbonate precipitation by salivary constituents. Hay DI, et al. **Calcif Tissue Int** 1986 Sep;39(3):151–60

Inhibition of fibroblast attachment. Heaney TG. **J Clin Periodontol** 1986 Nov;13(10):987–94

Kinetic analysis of Streptococcus sanguis adhesion to artificial pellicle. Cowan MM, et al. **J Dent Res** 1986 Oct; 65(i0):1278–83

Influence of human whole saliva on bacterial aggregation. Koop HM, et al. **J Dent Res** 1987 Feb;66(2):613–5

Artificial salivas: present and future. Levine MJ, et al. **J Dent Res** 1987 Feb;66 Spec No:693–8

The functions of saliva. Mandel ID. **J Dent Res** 1987 Feb; 66 Spec No:623–7

The rheology of saliva. Schwarz WH. **J Dent Res** 1987 Feb; 66 Spec No:660–6

Lubrication and viscosity features of human saliva and commercially available saliva substitutes. Hatton MN, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):496–9

Oral mucosal permeability of desalivated rats. Dean DH, et al. **J Oral Med** 1986 Jul–Sep;41(3):170–1

Saliva: a significant factor in removable prosthodontic treatment. Edgerton M, et al. **J Prosthet Dent** 1987 Jan; 57(1):57–66 (116 ref.)

The relationship of drug use to denture function and saliva flow rate in a geriatric population. Kreher JM, et al. **J Prosthet Dent** 1987 May;57(5):631–8

Components of saliva inactivate human immunodeficiency virus [letter] Fultz PN. **Lancet** 1986 Nov 22;2(8517):1215

Salivary changes in solution pH: a source of individual differences in sour taste perception. Christensen CM, et al. **Physiol Behav** 1987;40(2):221–7

Salivary buffering capacity and its relation to caries increment in children. Pienihäkkinen K, et al. **Proc Finn Dent Soc** 1987;83(2):47–54

Effects of saliva from chronically reserpinized rat on Na and K transport in perfused main excretory duct of submandibular gland of normal rat. Jirakulsomchok D, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):392–5

An in vitro study of galvanic currents between amalgam and gold alloy electrodes in saliva and in saline solutions. Johansson BI. **Scand J Dent Res** 1986 Dec;94(6):562–8

The distribution of saliva buffer values in schoolchildren. Wikner S, et al. **Swed Dent J** 1986;10(6):251–3

SECRETION

Saliva and sweat secretion in man during a one-hour calcium clamp. Sagulin GB, et al. **Acta Physiol Scand** 1986 Dec; 128(4):509–13

Effects of sialagogues on the syntheses of polyamines and DNA in murine parotid gland. Kikuchi K, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1161–6

The salivary flow rate and composition of whole and parotid resting and stimulated saliva in young and old healthy subjects. Ben-Aryeh H, et al. **Biochem Med Metab Biol** 1986 Oct;36(2):260–5

A comparative study of salivary secretion by parotid and mandibular glands of anaesthetized Capra hircus: effect of pilocarpine. Castellano C, et al. **Comp Biochem Physiol [C]** 1986;85(2):291–6

The effects of diabetes and autonomic neuropathy on parotid salivary flow in man. Lamey PJ, et al. **Diabetic Med** 1986 Nov–Dec;3(6):537–40

Neurotransmitter control of secretion. Baum BJ. **J Dent Res** 1987 Feb;66 Spec No:628–32

Effects of substance P and substance P antagonists on rat salivary secretion. Bobyock E, et al. **J Dent Res** 1986 Dec; 65(12):1427–31

The effect of taste adaptation on salivary flow rate and salivary sugar clearance. Dawes C, et al. **J Dent Res** 1987 Mar;66(3):740–4

Physiological factors affecting salivary flow rate, oral sugar clearance, and the sensation of dry mouth in man. Dawes C. **J Dent Res** 1987 Feb;66 Spec No:648–53

Neuropeptides and secretion. Ekström J. **J Dent Res** 1987 Feb;66(2):524–30

Nerve interactions in salivary glands. Emmelin N. **J Dent Res** 1987 Feb;66(2):509–17 (68 ref.)

The proper role of nerves in salivary secretion: a review. Garrett JR. **J Dent Res** 1987 Feb;66(2):387–97 (104 ref.)

Effects of flow rate, duration of stimulation and mineralocorticoids on the electrolyte concentrations of mandibular saliva from the red kangaroo (Macropus rufus). Beal AM. **J Exp Biol** 1986 Nov;126:315–39

Two independent anion transport systems in rabbit mandibular salivary glands. Novak I, et al. **Pflugers Arch** 1986 Dec;407(6):649–56

Substance K and salivary secretion in the rat. Ekström J, et al. **Pharmacol Toxicol** 1987 Feb;60(2):104–7

Non-adrenergic, non-cholinergic parasympathetic secretion in the rat submaxillary and sublingual glands. Ekström J, et al. **Pharmacol Toxicol** 1987 Apr;60(4):284–7

Long-term effects of two principally different antidepressant drugs on saliva secretion and composition. Mörnstad H, et al. **Scand J Dent Res** 1986 Oct;94(5):461–70

Frequency of low values of stimulated saliva flow rate, Dentobuff and Dentocult in routine use. Barenthin I, et al. **Swed Dent J** 1986;10(5):207–12

Secretion rate and buffer effect of resting and stimulated whole saliva in relation to general health. Heintze U, et al. **Swed Dent J** 1986;10(5):213–9

[Secretory rate of saliva, pH, Lactobacillus and Candida count in diabetic women] Bánóczy J, et al. **Fogorv Sz** 1986 Nov;79(11):321–6 (Eng. Abstr.) **(Hun)**

[Oral hygiene status and rate of secretion, viscosity and resistance to protein sedimentation of the oral fluid of children with diffuse connective tissue diseases and rheumatoid arthritis] Padalka IA. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):74–6 (Eng. Abstr.) **(Rus)**

SALIVA, ARTIFICIAL see under **MOUTHWASHES**

SALIVARY DUCT CALCULI

ANALYSIS

[Microanalysis of salivary calculi] Faure J, et al. **J Biol Buccale** 1986 Sep;14(3):195–205 (Eng. Abstr.) **(Fre)**

[Optical procedures for the analysis and classification of salivary duct calculi] Wüst H, et al. **Fortschr Kiefer Gesichtschir** 1987;32:201–3 **(Ger)**

COMPLICATIONS

[Cutaneous parotid fistula of calculous origin] Goudot P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):257–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Giant sialolithiasis appearing as odontogenic infection. Kaltman S, et al. **J Am Dent Assoc** 1987 Sep;115(3):425–6

ETIOLOGY

Crystalloids with calcareous deposition in the parotid gland: one of the possible causes of development of salivary calculi. Takeda Y. **J Oral Pathol** 1986 Sep;15(8):459–61

PATHOLOGY

Large calculi of the submandibular salivary glands. Frame JW, et al. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):769–71

[Sonographic detection of salivary calculi of the sublingual gland] Traxler M, et al. **Rontgenblatter** 1986 Nov; 39(11):328–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Morbidity study of submandibular gland excision [letter] Lyall JB, et al. **Ann R Coll Surg Engl** 1986 Nov;68(6):327

Sialolith lodged in an endotracheal tube? Greenman D. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):130

Submandibular salivary calculus—an artifact. Markus A. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):749–50

[Sensitivity and specificity of sialography in relation to the diagnosis of inflammatory and calculous diseases of the salivary glands] Wagner W, et al. **Fortschr Kiefer Gesichtschir** 1987;32:60–1 **(Ger)**

[Value of sialography. Experience with 103 patients with submandibular swelling] Moilanen A. **Rontgenpraxis** 1987 May;40(5):176–8 **(Ger)**

[Native roentgen-analysis of salivary calculi] Pataky L, et al. **Fogorv Sz** 1986 Aug;79(8):239–43 (Eng. Abstr.) **(Hun)**

SURGERY

Recurrent calculus formation following removal of the submandibular salivary gland. Patton DW. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):15–20

Evaluation of submandibular gland function by sialo-scintigraphy following sialolithectomy. Nishi M, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):567–71

THERAPY

A novel and non-invasive method for the removal of salivary gland stones. Marmary Y. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):585–7

ULTRASTRUCTURE

Ultrastructural and histochemical observations on intracellular and luminal microcalculi in the feline sublingual salivary gland. Epivatianos A, et al. **J Oral Pathol** 1986 Nov;15(10):513–7

SALIVARY GLAND DISEASES

Chronic sialadenitis in a minor salivary gland [letter] Burgess LP, et al. **Ear Nose Throat J** 1986 Oct;65(10):485–6

Proceedings. Conference on Evaluation and Management of Salivary Gland Dysfunction. May 15–16, 1986, National Institutes of Health, Bethesda, Maryland. **J Dent Res** 1987 Feb;66 Spec No:622–708

CHEMICALLY INDUCED

Radionuclide imaging of potassium iodide-induced sialadenitis. Goldberg RE, et al. **Clin Nucl Med** 1987 May; 12(5):370–2

[Changes in the salivary glands following sialography. Differential diagnosis of granulomatous reactions] Hamper K, et al. **Pathologe** 1987 Mar;8(2):65–72 **(Ger)**

COMPLICATIONS

Management of oral sequelae. Wright WE. **J Dent Res** 1987 Feb;66 Spec No:699–702

DIAGNOSIS

Oral sialocysts. Eversole LR. **Arch Otolaryngol Head Neck Surg** 1987 Jan;113(1):51–6

Magnetic resonance imaging of the salivary glands. A comparison with computed tomographic scanning. Rice DH, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan; 113(1):78–80

Sialography in salivary gland disease. McEntee GP, et al. **Br J Surg** 1986 Oct;73(10):807–9

Giant sialolithiasis appearing as odontogenic infection. Kaltman S, et al. **J Am Dent Assoc** 1987 Sep;115(3):425–6

Inflammatory and obstructive disorders of salivary glands. Blitzer A. **J Dent Res** 1987 Feb;66 Spec No:675–9 (28 ref.)

Hyperglobulinemic purpura, chronic sialoadenitis and the Sjögren syndrome. Waldenström J. **Scand J Rheumatol [Suppl]** 1986;61:139–41

[Comparison of the diagnostic value between sialography and ultrasonography in salivary lesions (analysis of 101 cases)] Sun DX. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb; 21(1):15–9 (Eng. Abstr.) **(Chi)**

[Epicritic analysis of clinical and x-ray findings in diseases of the major salivary glands] Karl P, et al. **Fortschr Kiefer Gesichtschir** 1987;32:61–2 **(Ger)**

[Value and indications for high-resolution real-time sonography in nontumor salivary gland diseases] Schurawitzki H, et al. **ROFO** 1987 May;146(5):527–31 (Eng. Abstr.) **(Ger)**

[Diagnosis of sialopathies. I. Echography] Rengo S, et al.

Minerva Stomatol 1986 Sep;35(9):809–14 (Eng. Abstr.) **(Ita)**

[Clinical study on ultrasonic diagnosis in field of oral surgery] Ishii J. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):129–55 (Eng. Abstr.) **(Jpn)**

[Dysfunction of salivation] Kaneko T, et al. **Nippon Rinsho** 1986 Jul;44(7):1580–4 (17 ref.) **(Jpn)**

[Thermography in the clinical practice of maxillofacial surgery] Solntsev AM, et al. **Klin Khir** 1986;(12):36–7 (Eng. Abstr.) **(Rus)**

[Electroroentgenosialography in the diagnosis of diseases of the major salivary glands] Iazukiavichius LA. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):39–41 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Traditional Chinese medicine and Western medicine treatment of submaxillary adenitis. A report of 22 cases] Chen BS. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Apr; 6(4):238, 197 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Immunohistochemical localization of amylase in sialoadenitis and salivary gland tumors. Sumitomo S, et al. **J Oral Pathol** 1986 Aug;15(7):381–5

ETIOLOGY

Effect of radioactive iodine therapy on parotid gland function. Maier H, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):318–24

Bilateral obstructive sialadenitis of the submandibular glands due to a denture. Katz J, et al. **Br Dent J** 1987 Jun 6; 162(11):425–7

Granulomatous inflammation of minor salivary gland ducts: a new oral manifestation of Crohn's disease. Schnitt SJ, et al. **Hum Pathol** 1987 Apr;18(4):405–7

Iatrogenic causes of salivary gland dysfunction. Schubert MM, et al. **J Dent Res** 1987 Feb;66 Spec No:680–8

Pan-sialadenitis due to Staphylococcus aureus septicemia. Casselman JW, et al. **ROFO** 1986 Sep;145(3):346–7

[Submaxillary streptococcal B cellulitis in young infants] Abrouk S, et al. **Arch Fr Pediatr** 1987 Jan;44(1):45–6 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunohistochemical characterization of sialadenitis in NZB X NZW F1 mice. Jonsson R, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):93–101

Sialadenitis in the MRL-1 mouse: morphological and immunohistochemical characterization of resident and infiltrating cells. Jonsson R, et al. **Immunology** 1987 Apr; 60(4):611–6

Recent advances in immunopathology of autoimmune diseases in salivary glands. Hirokawa K, et al. **Pathol Immunopathol Res** 1986;5(3–5):239–47

MICROBIOLOGY

Eikenella corrodens: a recently recognized pathogen in head and neck infections. Tveterås K, et al. **J Laryngol Otol** 1987 Jun;101(6):592–4

PATHOLOGY

Lymphoepithelial lesion and Sjögren's syndrome. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):354–5

Granulomatous sialadenitis of the major salivary glands. A clinicopathological study of 57 cases. van der Walt JD, et al. **Histopathology** 1987 Feb;11(2):131–44

Large calculi of the submandibular salivary glands. Frame JW, et al. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):769–71

Salivary gland changes in disease. Tandler B. **J Dent Res** 1987 Feb;66(2):398–406 (47 ref.)

Necrotizing sialometaplasia: a case with metachronous lesions. Rossie KM, et al. **J Oral Maxillofac Surg** 1986 Dec;44(12):1006–8

Mylohyoid herniation: gross and histologic evaluation with clinical correlation. Engel JD, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jan;63(1):55–9

Accuracy of frozen section diagnosis of the salivary gland. Gnepp DR, et al. **Otolaryngol Head Neck Surg** 1987 Apr; 96(4):325–30

Platelet involvement in salivary gland inflammation in patients with primary Sjögren's syndrome. Oxholm P, et al. **Rheumatol Int** 1987;7(1):29–33

Oral problems in patients with Sjögren's syndrome. Fox R, et al. **Scand J Rheumatol [Suppl]** 1986;61:194–200

Ciliated cells in the main excretory duct of the submandibular gland in obstructive sialadenitis: a SEM and TEM study. Testa Riva F, et al. **Ultrastruct Pathol** 1987;11(1):1–10

[Non-tumor salivary gland diseases. Sialadenosis, salivary gland cysts, salivary gland infarct, sialadenitis] Seifert G. **Pathologe** 1987 May;8(3):141–51 **(Ger)**

RADIOGRAPHY

Sialolith lodged in an endotracheal tube? Greenman D. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):130

Submandibular salivary calculus—an artifact. Markus A. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):749–50

Radiology in oral surgery—Part 2. Poswillo DE. **Radiography** 1986 Nov–Dec;52(606):303–8

[Present place of sialography in the diagnosis of diseases of the major salivary glands from the surgical point of view] Börsting R, et al. **Fortschr Kiefer Gesichtschir** 1987;32:62–3 **(Ger)**

[Potential applications of sialoadenography] Kempfle B. **Fortschr Kiefer Gesichtschir** 1987;32:57–9 **(Ger)**

[Computed tomographic diagnosis and findings in salivary gland diseases] Roscic Z, et al. **Fortschr Kiefer Gesichtschir** 1987;32:87–9 **(Ger)**

[Sensitivity and specificity of sialography in relation to the diagnosis of inflammatory and calculous diseases of the salivary glands] Wagner W, et al. **Fortschr Kiefer Gesichtschir** 1987;32:60–1 **(Ger)**

[Value of sialography. Experience with 103 patients with submandibular swelling] Moilanen A. **Rontgenpraxis** 1987 May;40(5):176–8 **(Ger)**

RADIONUCLIDE IMAGING

[Accumulation of 67Ga in diseases of the large salivary glands] Bihl H, et al. **Nuklearmedizin** 1987 Apr;26(2):79–82 (Eng. Abstr.) **(Ger)**

[Usefulness of radioisotopic methods in the study of the salivary glands] Salvatori M, et al. **Radiol Med (Torino)** 1986 Nov;72(11):848–52 (Eng. Abstr.) **(Ita)**

SURGERY

Infection following uncontaminated head and neck surgery. Johnson JT, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):368–9

Recurrent calculus formation following removal of the submandibular salivary gland. Patton DW. **Br J Oral Maxillofac Surg** 1987 Feb;25(1):15–20

Evaluation of submandibular gland function by sialo-scintigraphy following sialolithectomy. Nishi M, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):567–71

Hydatic cyst in the thyroid and submandibular salivary glands in a child. Gürses N, et al. **Z Kinderchir** 1986 Dec; 41(6):362–3

[Diseases of the salivary glands of surgical significance] Trombi G, et al. **Minerva Stomatol** 1987 Mar;36(3):187–95 (Eng. Abstr.) **(Ita)**

THERAPY

Immunologic approaches to the therapy of auto-immune salivary gland disease. Lane HC, et al. **J Dent Res** 1987 Feb;66 Spec No:703–8

VETERINARY

Diagnostic exercise: intermandibular swelling in rats. Percy DH, et al. **Lab Anim Sci** 1986 Dec;36(6):665–6

SALIVARY GLAND FISTULA

CONGENITAL

Congenital external fistulae of the parotid duct. Gilbert PM. **Br J Plast Surg** 1987 Jan;40(1):99–101

ETIOLOGY

[Cutaneous parotid fistula of calculous origin] Goudot P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(4):257–9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

[Dominantly inherited lower lip fistulas and facial clefts (Van der Woude syndrome). A study of 52 cases] Kläusler M, et al. **Schweiz Med Wochenschr** 1987 Jan 24;117(4):127–34 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Demonstration of parotid maxillary sinus nasal fistula by radionuclide salivary imaging. Yang DC, et al. **Clin Nucl Med** 1987 May;12(5):411–2

SALIVARY GLAND NEOPLASMS

A review of the tumors of the salivary gland. Iiles RW, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):399–404 (29 ref.)

[Primary localization of a malignant lymphoma in the salivary gland—case report] Belić A, et al. **Med Pregl** 1986; 39(7–8):335–7 (Eng. Abstr.) **(Ser)**

ANALYSIS

Estrogen receptors in normal salivary gland and salivary gland carcinoma. Dimery IW, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1082–5

Subcellular distribution of glucocorticoid receptor in the neoplastic epithelial duct cell line from human salivary gland. Kurokawa R, et al. **Biochem Int** 1987 Jan;14(1):37–44

Steroid hormone receptors in human salivary gland tumours. Lamey PJ, et al. **J Clin Pathol** 1987 May;40(5):532–4

Comparison of CEA distribution in lesions and tumors of salivary glands as determined with monoclonal and polyclonal antibodies. Sumitomo S, et al. **Virchows Arch [B]** 1987;53(3):133–9

[Hormone receptors in normal and pathological salivary glands. Preliminary results] Altissimi G, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):515–23 (Eng. Abstr.) **(Ita)**

BLOOD

The occurrence of blood group substances (A, B, H, Le-a, Le-b) in salivary glands and salivary gland tumors. An immunohistochemical investigation. Hamper K, et al. **J Oral Pathol** 1986 Jul;15(6):334–8

CHEMICALLY INDUCED

Effect of indomethacin in inhibition of DMBA chemical carcinogenesis. Mohammad AR, et al. **J Oral Med** 1986 Jul–Sep;41(3):158–63

CLASSIFICATION

[Salivary gland cancer] Kaneko T, et al. **Gan No Rinsho** 1986 Aug;32(10):1345–8 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital hybrid basal cell adenoma—adenoid cystic carcinoma of the salivary gland. Simpson PR, et al. **Pediatr Pathol** 1986;6(2–3):199–208

DIAGNOSIS

Malignant tumors of the major salivary glands. Friedman M, et al. **Otolaryngol Clin North Am** 1986 Nov;19(4):625–36

Malignant lymphoma of the salivary gland: case reports and review of the literature. Ampil FL, et al. **Radiat Med** 1987 Jan–Feb;5(1):20–6 (30 ref.)

Major salivary gland masses: comparison of MR imaging and CT. Casselman JW, et al. **Radiology** 1987 Oct;165(1):183–9

[Comparison of the diagnostic value between sialography and ultrasonography in salivary lesions (analysis of 101 cases)] Sun DX. **Chung Hua Fang She Hsueh Tsa Chih** 1987 Feb; 21(1):15–9 (Eng. Abstr.) **(Chi)**

[Acinar cell carcinoma of the salivary glands] Zbären P, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun;66(6):320–3 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Cisplatin, doxorubicin, and 5-fluorouracil chemotherapy for salivary gland malignancies: a pilot study of the Northern California Oncology Group. Venook AP, et al. **J Clin Oncol** 1987 Jun;5(6):951–5

Chemotherapy for salivary gland cancer. Kaplan MJ, et al. **Otolaryngol Head Neck Surg** 1986 Sep;95(2):165–70

ENZYMOLOGY

Induction of cells with acinar cell phenotype including presence of intracellular amylase. Treatment with 12-O-tetradecanoyl-phorbol-13-acetate in a neoplastic human salivary intercalated duct cell line grown in athymic nude mice. Hayashi Y, et al. **Cancer** 1987 Sep 1;60(5):1000–8

Immunohistochemical localization of amylase in sialoadenitis and salivary gland tumors. Sumitomo S, et al. **J Oral Pathol** 1986 Aug;15(7):381–5

ETIOLOGY

Childhood irradiation of pharyngeal lymphoid tissue: management considerations. Strome M. **Otolaryngol Clin North Am** 1987 May;20(2):377–81

IMMUNOLOGY

Immunohistochemical localization of carcinoembryonic antigen in carcinoma in pleomorphic adenoma of salivary gland: use in the diagnosis of benign and malignant lesions. Takahashi H, et al. **Tohoku J Exp Med** 1986 Jul; 149(3):329–40

METABOLISM

Cytosol glucocorticoid receptor in the neoplastic epithelial duct cell line from human salivary gland (HSG). Kurokawa R, et al. **Biochem Int** 1986 Oct;13(4):671–9

MORTALITY

[Carcinoma of salivary glands—a clinical analysis of 342 cases] Yu GY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):395–8 (Eng. Abstr.) **(Chi)**

OCCURRENCE

Base of tongue salivary gland tumors. de Vries EJ, et al. **Head Neck Surg** 1987 Jul–Aug;9(6):329–31

Intra-oral salivary gland neoplasms: a retrospective study of 98 cases. Chau MN, et al. **J Oral Pathol** 1986 Jul; 15(6):339–42

[Salivary gland tumors. A clinical report of ninety-two cases] Tsuruta Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun;89(6):724–30 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Double expression of intermediate filaments in salivary gland tumors. Caselitz J, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:77–9

Tumours of the minor salivary glands. A clinicopathologic study of 243 cases. Ma DQ, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):325–31

Glucocorticoid-induced growth inhibition of human neoplastic salivary gland duct cell line (HSG). Hatakeyama

S, et al. **Acta Pathol Jpn** 1987 Apr;37(4):587–95

Clear cell carcinoma arising in pleomorphic adenoma of the salivary gland. Littman CD, et al. **Am J Clin Pathol** 1987 Aug;88(2):239–43

Carcinoma ex papillary cystadenoma lymphomatosum. Malignant Warthin's tumor. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 Mar–Apr;96(2 Pt 1):234–5

Recurrent mixed tumor. Batsakis JG. **Ann Otol Rhinol Laryngol** 1986 Sep–Oct;95(5 Pt 1):543–4

Vascular tumors of the salivary glands. Batsakis JG. **Ann Otol Rhinol Laryngol** 1986 Nov–Dec;95(6 Pt 1):649–50

Metastatic malignant mixed tumor of the skin. Ultrastructural and immunocytochemical characterization, histogenetic considerations and comparison with benign mixed tumors of skin and salivary glands. Pinto de Moraes H, et al. **Appl Pathol** 1986;4(3):199–208

Pathologic quiz case 2. Sinus histiocytosis with massive lymphadenopathy (SHML). Goldberg SH, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1120–2

Fine-needle aspiration of salivary gland lesions. Comparison with frozen sections and histologic findings. Layfield LJ, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):346–53

Simultaneous pleomorphic adenomas of the right parotid and ipsilateral submandibular glands. Yajin K, et al. **Auris Nasus Larynx** 1987;14(1):47–55

Salivary gland tumors of the tongue. Analysis of 55 new cases and review of the literature. Goldblatt LI, et al. **Cancer** 1987 Jul 1;60(1):74–81 (31 ref.)

Small cell undifferentiated carcinoma of the minor salivary gland containing exocrine, neuroendocrine, and squamous cells. Hayashi Y, et al. **Cancer** 1987 Oct 1;60(7):1583–8

5-Azacytidine induction of stable myoepithelial and acinar cells from a human salivary intercalated duct cell clone. Sato M, et al. **Cancer Res** 1987 Aug 15;47(16):4453–9

Fine-needle aspiration cytology of terminal duct carcinoma of minor salivary gland. Frierson HF Jr, et al. **Diagn Cytopathol** 1987 Jun;3(2):159–62

Psammoma bodies in fine-needle aspiration biopsies of acinic cell tumor [letter] Whitlatch SP. **Diagn Cytopathol** 1986 Sep;2(3):268–9

Malignant lymphoepithelial lesion of the salivary gland. Saw D, et al. **Hum Pathol** 1986 Sep;17(9):914–23

Pleomorphic adenoma of the cheek. Cohen MA. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):777–9

Histologic evaluation of myoepithelial participation in salivary gland tumors. Nikai H, et al. **Int J Oral Maxillofac Surg** 1986 Oct;15(5):597–605

Slowly enlarging, nontender mass in the right submandibular region. Correll RW, et al. **J Am Dent Assoc** 1986 Oct; 113(4):667–8

Acinic cell adenocarcinoma arising from minor salivary gland tissue. Miller RI, et al. **J Oral Maxillofac Surg** 1987 Jun; 45(6):543–5

Malignant lymphoma arising in the submandibular and sublingual salivary glands: report of cases. Schwartz-Arad D, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):795–9

Acinic cell adenocarcinoma of a minor salivary gland: report of a case. Triantafillidou E, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):540–2

Basal cell adenoma of the sublingual gland. Yamazaki T, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):270–3

Effects of retinyl palmitate on DMBA tumorgenesis in the rat submandibular salivary gland. Mohammad AR, et al. **J Oral Med** 1986 Oct–Dec;41(4):262–8

Sialadenoma papilliferum of the oral cavity: a case report and review of the literature. Papanicolaou SJ, et al. **J Oral Med** 1987 Jan–Mar;42(1):57–60

Adenoid cystic carcinoma of the salivary glands: an immunohistochemical study. Caselitz J, et al. **J Oral Pathol** 1986 Jul;15(6):308–18

The application of microspectrocytofluorometric measurement of Feulgen nuclear DNA content to experimental tumors of rat submandibular gland. 1. Pathogensis and nuclear DNA content. Watanabe Y, et al. **J Oral Pathol** 1987 Jan;16(1):1–7

The application of microspectrocytofluorometric measurement of Feulgen nuclear DNA content in experimental tumors of rat submandibular gland, 2. The correlation between proliferative ability and nuclear DNA content of tumor tissue in autotransplanted areas. Watanabe Y, et al. **J Oral Pathol** 1987 Feb;16(2):81–8

Adenomatoid hyperplasia of mucous salivary glands. Report of two cases. Brown FH, et al. **J Periodontol** 1987 Feb; 58(2):125–7

Aspiration biopsy cytology a highly diagnostic procedure for assessing neck masses, excluding thyroid tumors. Matsuyama T, et al. **Jpn J Surg** 1986 Jul;16(4):239–44

Polymorphous low-grade adenocarcinoma of the tongue. Kennedy KS, et al. **Laryngoscope** 1987 May;97(5):533–6

Accuracy of frozen section diagnosis of the salivary gland. Gnepp DR, et al. **Otolaryngol Head Neck Surg** 1987 Apr; 96(4):325–30

Morphogenesis of salivary gland tumors. A prerequisite to improving classification. Dardick I, et al. **Pathol Annu** 1987; 22 Pt 1:1–53

Undifferentiated tumours of salivary glands. Immunocytochemical investigations and differential diagnosis of 22 cases. Takata T, et al. **Pathol Res Pract** 1987 Apr;182(2):161–8

Aspiration cytology of salivary glands. Geisinger KR, et al. **Semin Diagn Pathol** 1986 Aug;3(3):219–26

Elastic tissue in salivary gland tumours. Ng KH, et al. **Singapore Med J** 1986 Jun;27(3):214–9

Malignant salivary gland tumors of the base of the tongue. Roper PR, et al. **South Med J** 1987 May;80(5):605–8

Primary malignant lymphoma of the salivary glands. Hjorth L, et al. **Tumori** 1986 Oct 31;72(5):491–7

Pleomorphic adenomas, adenoid cystic carcinomas and adenolymphomas of salivary glands analysed by a monoclonal antibody against myoepithelial/basal cells. An immunohistochemical study. Caselitz J, et al. **Virchows Arch [A]** 1986;409(6):805–16

[Clinicopathologic study on 241 cases of mucoepidermoid carcinoma of the salivary glands] Liu AR. **Chung Hua I Hsueh Tsa Chih** 1986 Jul;66(7):392–4, 446 (Eng. Abstr.) **(Chi)**

[Papillary cystadenoma of the salivary glands: a clinicopathological study of 46 cases] Dong SZ, et al. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar;21(2):82–4, 127 (Eng. Abstr.) **(Chi)**

[Malignant mixed tumor of the salivary glands: a clinicopathological analysis of 15 cases] Li XX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):42–3 **(Chi)**

[Histogenesis of tumors of the salivary glands] Brocheriou C, et al. **Arch Anat Cytol Pathol** 1986;34(2):69–78 (Eng. Abstr.) **(Fre)**

[Mesenchymal (non-epithelial) salivary gland tumors. Analysis of 167 tumor cases of the salivary gland register] Seifert G, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep; 65(9):485–91 (Eng. Abstr.) **(Ger)**

[Biopsy of the large salivary glands of the head] Chilla R. **Med Klin** 1987 Mar 13;82(5):197–8 **(Ger)**

[Pleomorphic adenoma of the salivary glands. Histogenesis, cellular differentiation, tumor marker] Caselitz J. **Veroff Pathol** 1987;126:1–253 **(Ger)**

[A case of clear cell carcinoma of the minor salivary gland] Ishibashi T, et al. **Gan No Rinsho** 1987 Jul;33(8):943–8 (Eng. Abstr.) **(Jpn)**

[Sebaceous elements in the salivary glands. Apropos of a case of sebaceous carcinoma of the submaxillary gland] Seijas Rosales T, et al. **An Otorrinolaringol Ibero Am** 1986; 13(6):575–83 (Eng. Abstr.) **(Spa)**

[Cystic adenoid carcinoma. Apropos of 2 cases originating in the salivary glands] Carvajal L, et al. **Med Cutan Ibero Lat Am** 1987;15(1):42–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The effect of different levels of dietary beta-carotene on DMBA-induced salivary gland tumors. Alam BS, et al. **Nutr Cancer** 1987;9(2–3):93–101

RADIOGRAPHY

[Value of supplemental computed tomographic diagnosis for the therapeutic management of malignant epithelial, non-epithelial and other malignant salivary gland tumors] Bonorden SW, et al. **Fortschr Kiefer Gesichtschir** 1987; 32:83–7 **(Ger)**

[The place of computed tomography in the preoperative determination of the therapeutic plan for benign epithelial salivary gland tumors] Petermann K, et al. **Fortschr Kiefer Gesichtschir** 1987;32:90–1 **(Ger)**

[Value of sialography. Experience with 103 patients with submandibular swelling] Moilanen A. **Rontgenpraxis** 1987 May;40(5):176–8 **(Ger)**

RADIONUCLIDE IMAGING

[Use of 99m TC scanning in diagnosing salivary gland tumors] Wang DH. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):361–3 **(Chi)**

RADIOTHERAPY

The implications of improved treatment of malignant salivary gland tumors by fast neutron radiotherapy. Catterall M, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1313–8

Fast neutron radiotherapy for inoperable salivary gland tumors: is it the treatment of choice? Laramore GE. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1421–3 (18 ref.)

An update on malignant salivary gland tumors treated with neutrons at Fermilab. Saroja KR, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1319–25

Neutron therapy for malignant tumours of the salivary glands. A report of the Edinburgh experience. Duncan W, et al. **Radiother Oncol** 1987 Feb;8(2):97–104

SECONDARY

Pulsatile secondary from renal cell carcinoma presenting in the submandibular gland. Zoltie N. **J R Coll Surg Edinb** 1986 Aug;31(4):236

Metastatic tumors to the parotid and submandibular glands—analysis and differential diagnosis of 108 cases. Seifert G, et al. **Pathol Res Pract** 1986 Dec;181(6):684–92

[Differential diagnosis of submandibular lymph node metastases using imaging procedures] Dumbach J. **Fortschr Kiefer Gesichtschir** 1987;32:91–2 **(Ger)**

SURGERY

Malignant salivary tumors—analysis of prognostic factors and survival. O'Brien CJ, et al. **Head Neck Surg** 1986 Nov–Dec; 9(2):82–92

[Experience in the surgical treatment of mucoepidermoid carcinomas in 189 cases] Lin GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Mar;21(2):93–5, 128 (Eng. Abstr.) **(Chi)**

[Malignant lymphoepithelial lesion of the salivary gland] López Garrido J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1986;107(5):407–10 (Eng. Abstr.) **(Fre)**

THERAPY

Malignant salivary gland tumors. Fitzpatrick PJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1743–7

Major salivary gland tumors: treatment results and prognostic factors. Tran L, et al. **Laryngoscope** 1986 Oct; 96(10):1139–44

ULTRASTRUCTURE

Acinic cell carcinoma of minor salivary gland origin. Hiratsuka H, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):704–8

[Morphological studies of the epidermal growth factor receptor. Analysis of human tumors and tumor transplants in athymic mice with special reference to salivary gland tumors] Caselitz J, et al. **Verh Dtsch Ges Pathol** 1986; 70:343–6 (Eng. Abstr.) **(Ger)**

SALIVARY GLAND TUMOR, MIXED see **MIXED SALIVARY GLAND TUMOR**

SALIVARY GLAND VIRUS DISEASE see **CYTOMEGALIC INCLUSION DISEASE**

SALIVARY GLAND VIRUSES see **CYTOMEGALOVIRUSES**

SALIVARY GLANDS

Tumours of the minor salivary glands. A clinicopathologic study of 243 cases. Ma DQ, et al. **Acta Otolaryngol (Stockh)** 1987 Mar–Apr;103(3–4):325–31

Fine-needle aspiration cytology of terminal duct carcinoma of minor salivary gland. Frierson HF Jr, et al. **Diagn Cytopathol** 1987 Jun;3(2):159–62

Chronic sialadenitis in a minor salivary gland [letter] Burgess LP, et al. **Ear Nose Throat J** 1986 Oct;65(10):485–6

Gingival salivary gland choristoma. Report of a case. Moskow BS, et al. **J Clin Periodontol** 1986 Aug;13(7):720–4

An unusual case of lingual mandibular depression. Ström C, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug; 64(2):159–61

[A case of clear cell carcinoma of the minor salivary gland] Ishibashi T, et al. **Gan No Rinsho** 1987 Jul;33(8):943–8 (Eng. Abstr.) **(Jpn)**

[Pleomorphic adenoma of the neck. Report of two cases] Yoshida F, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun;89(6):689–94 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Congenital absence of lacrimal puncta and of all major salivary glands: case report and literature review. Higashino H, et al. **Clin Pediatr (Phila)** 1987 Jul;26(7):366–8

ANALYSIS

Purification of a survival factor for spinal neurons from mouse salivary gland. Gurney ME, et al. **Adv Exp Med Biol** 1987;209:51–8

Estrogen receptors in normal salivary gland and salivary gland carcinoma. Dimery IW, et al. **Arch Otolaryngol Head Neck Surg** 1987 Oct;113(10):1082–5

The occurrence of blood group substances (A, B, H, Le-a, Le-b) in salivary glands and salivary gland tumors. An immunohistochemical investigation. Hamper K, et al. **J Oral Pathol** 1986 Jul;15(6):334–8

Comparison of CEA distribution in lesions and tumors of salivary glands as determined with monoclonal and polyclonal antibodies. Sumitomo S, et al. **Virchows Arch [B]** 1987;53(3):133–9

[Hormone receptors in normal and pathological salivary glands. Preliminary results] Altissimi G, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct;5(5):515–23 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

The cephalic glands of Brazilian reptilia and amphibia. IV. Histology of labial, premaxillary, and Duvernoy's glands in the colubrid snake Oxyrhopus trigeminus. Lopes RA, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):91–7

Minor salivary gland duct-associated lymphoid tissue (DALT) in monkeys changes with age. Nair PN, et al. **J Dent Res** 1987 Feb;66(2):407–11

[Structuro-functional units of the salivary and lacrimal glands] Kostilenko IuP, et al. **Arkh Anat Gistol Embriol** 1986 Sep;91(9):80–6 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Platelets in blood and salivary glands of patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:170–2

CYTOLOGY

Expression of glial filament protein (GFP) in nerve sheaths and non-neural cells re-examined using monoclonal antibodies, with special emphasis on the co-expression of GFP and cytokeratins in epithelial cells of human salivary gland and pleomorphic adenomas. Achstätter T, et al. **Differentiation** 1986;31(3):206-27

Immunocytochemical localization of nerve growth factor in mouse salivary glands. Hazen-Martin DJ, et al. **Histochem J** 1987 Apr;19(4):210-6

The histology and carbohydrate histochemistry of the lingual glands in vervet monkeys. Woodroof CW. **J Biol Buccale** 1986 Dec;14(4):287-91

Regulation of amino acid influx and efflux at the basolateral plasma membrane of the salivary gland epithelium: effects of parasympathetic nerve stimulation. Mann GE, et al. **J Dent Res** 1987 Feb;66(2):569-75

Mucous cell types in the major and minor salivary glands of the Japanese macaque. Imai M, et al. **Okajimas Folia Anat Jpn** 1986 May;63(1):7-13

Mucous cell types. Imai M, et al. **Okajimas Folia Anat Jpn** 1986 May;63(1):1-5

[Secretion of the salivary glands: morphological approach] Ichikawa A. **Nippon Rinsho** 1986 Jul;44(7):1521-6 (17 ref.) **(Jpn)**

DRUG EFFECTS

Effect of cyclosporin A (CyA) on the immunopathological lesion of the labial minor salivary glands from patients with Sjögren's syndrome. Dalavanga YA, et al. **Ann Rheum Dis** 1987 Feb;46(2):89-92

Elimination of isoproterenol-induced proline-rich protein biosynthesis in rat salivary glands after adult thyroidectomy. Humphreys-Beher MG. **Biochem Pharmacol** 1987 Jun 15;36(12):2013-8

Modulation of uptake2 of 3H-(+/-)-isoprenaline by isoprenaline-induced depolarization of rat salivary gland cells. Trendelenburg U. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):388-92

Substance K and salivary secretion in the rat. Ekström J, et al. **Pharmacol Toxicol** 1987 Feb;60(2):104-7

[Side effects of drugs on the salivary glands and mouth mucosa] Wilmes E, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Sep;65(9):470-6 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

An autoradiographic analysis of N-linked glycoconjugates in embryonic salivary gland morphogenesis. Bassett KE, et al. **J Exp Zool** 1987 Jun;242(3):317-24

ENZYMOLOGY

The varied localization and functional significance of kallikrein-like enzymes in salivary glands, pancreas, colon, sex glands and spermatozoa, including evidence for the presence of nerve growth factor (NGF) in bull sperm acrosome. Schachter M, et al. **Adv Exp Med Biol** 1986;198 Pt A:1-10

Monoclonal antibody is specific for salivary amylase [letter] Bruns DE, et al. **Clin Chem** 1987 Sep;33(9):1695

Differential assay of human salivary and pancreatic alpha-amylase using a monoclonal antibody insolubilized on bacterial cell wall. Hiroishi S, et al. **Clin Chim Acta** 1986 Aug 30;159(1):89-91

Regulation of secretion of enzymes from von Ebner's gland of rat tongue. Field RB, et al. **J Dent Res** 1987 Feb; 66(2):586-7

GROWTH & DEVELOPMENT

Altered sympathetic-salivary gland development: delayed response to postnatal castration. Melvin JE, et al. **J Dent Res** 1987 Mar;66(3):751-5

IMMUNOLOGY

Periductal lymphocytic infiltrates in salivary glands in myasthenia gravis patients lacking Sjögren's syndrome. Lindahl G, et al. **Clin Exp Immunol** 1986 Oct;66(1):95-102

Sialadenitis in the MRL-1 mouse: morphological and immunohistochemical characterization of resident and infiltrating cells. Jonsson R, et al. **Immunology** 1987 Apr; 60(4):611-6

Recent advances in immunopathology of autoimmune diseases in salivary glands. Hirokawa K, et al. **Pathol Immunopathol Res** 1986;5(3-5):239-47

Induction of salivary antibody responses in rats after immunization in Peyer's patches. Dahlgren UI. **Scand J Immunol** 1987 Aug;26(2):193-6

Labial salivary gland immunopathology in Sjögren's syndrome. Dalavanga YA, et al. **Scand J Rheumatol [Suppl]** 1986;61:67-70

[Expression of ABH-and Lewis antigens in the salivary glands--immunohistochemical studies] Lötterle J, et al. **Verh Dtsch Ges Pathol** 1986;70:352-7 (Eng. Abstr.) **(Ger)**

INNERVATION

Effects of electrical stimulation of the sympathetic nerve on the levels of beta-adrenergic and cholinergic muscarinic receptors and cyclic nucleotides in rat salivary glands. Schneyer CA, et al. **Arch Oral Biol** 1986;31(10):629-32

Nerve interactions in salivary glands. Emmelin N. **J Dent Res** 1987 Feb;66(2):509-17 (68 ref.)

The proper role of nerves in salivary secretion: a review. Garrett JR. **J Dent Res** 1987 Feb;66(2):387-97 (104 ref.)

[Neural regulation of salivary gland secretion] Malfertheiner P, et al. **Z Gastroenterol** 1987 Apr;25 Suppl 1:15-20 (40 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Lipid accumulation in the major salivary glands of streptozotocin-diabetic rats. Anderson LC, et al. **Arch Oral Biol** 1986;31(7):469-75

Nerve growth factor: biosynthetic products of the mouse salivary glands. Characterization of stable high molecular weight and 32,000-dalton nerve growth factors. Saboori AM, et al. **Biochemistry** 1986 Sep 23;25(19):5565-71

Effect of reserpine on salivary gland radioiodine uptake in thyroid cancer. Levy HA, et al. **Clin Nucl Med** 1987 Apr; 12(4):303-7

Stereospecificity of triiodothyronine transport into brain, liver, and salivary gland: role of carrier- and plasma protein-mediated transport. Terasaki T, et al. **Endocrinology** 1987 Sep;121(3):1185-91

Immunoreactive erythropoietin studies in hypoxic rats and the role of the salivary glands. Clemons GK, et al. **Exp Hematol** 1987 Jan;15(1):18-23

Induction of proline-rich proteins in hamster salivary glands by isoproterenol treatment and an unusual growth inhibition by tannins. Mehansho H, et al. **J Biol Chem** 1987 Sep 5;262(25):12344-50

Use of human minor salivary glands in basic and applied secretion research. Izutsu KT, et al. **J Dent Res** 1987 Feb; 66 Spec No:654-9

Oxygen consumption mediated by M2 muscarinic receptors in rat salivary glands. Stojić D, et al. **J Dent Res** 1987 Sep;66(9):1435-7

Autoradiographic localization of dihydrotestosterone binding in the major salivary glands and other androgen-responsive organs of the mouse. Morrell JI, et al. **J Histochem Cytochem** 1987 Oct;35(10):1053-8

Differential effect of plasma protein binding of bupivacaine on its in vivo transfer into the brain and salivary gland of rats. Terasaki T, et al. **J Pharmacol Exp Ther** 1986 Dec; 239(3):724-9

Dynamic uptake of radioactive substance in rat salivary gland following 3H-melatonin administration. Withyachumnarnkul B, et al. **J Pineal Res** 1987;4(2):169-75

Continuous measurements of Na, Li, and Cl in the perfused salivary gland by use of NMR. Murakami M, et al. **Jpn J Physiol** 1986;36(6):1267-74

Effects of acetylcholine and forskolin on the non-electrolyte permeability of the perfused rabbit mandibular gland. Howorth AJ, et al. **Pflugers Arch** 1987 Mar;408(3):209-14

Segmental and intracellular distribution of lead in rat kidney and salivary glands. Craan AG, et al. **Toxicology** 1986 Dec 15;42(2-3):157-70

Cytokeratin polypeptides expression in different epithelial elements of human salivary glands. Geiger S, et al. **Virchows Arch [A]** 1987;410(5):403-14

MICROBIOLOGY

Detection of Epstein-Barr virus-associated antigens and DNA in salivary gland biopsies from patients with Sjogren's syndrome. Fox RI, et al. **J Immunol** 1986 Nov 15;137(10):3162-8

PATHOLOGY

Fine-needle aspiration of salivary gland lesions. Comparison with frozen sections and histologic findings. Layfield LJ, et al. **Arch Pathol Lab Med** 1987 Apr;111(4):346-53

Small cell undifferentiated carcinoma of the minor salivary gland containing exocrine, neuroendocrine, and squamous cells. Hayashi Y, et al. **Cancer** 1987 Oct 1;60(7):1583-8

Pleomorphic adenoma of the cheek. Cohen MA. **Int J Oral Maxillofac Surg** 1986 Dec;15(6):777-9

Acinic cell adenocarcinoma arising from minor salivary gland tissue. Miller RI, et al. **J Oral Maxillofac Surg** 1987 Jun; 45(6):543-5

Acinic cell adenocarcinoma of a minor salivary gland: report of a case. Triantafillidou E, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):540-2

Immunoglobulin-producing cells in labial salivary glands of patients with rheumatoid arthritis and systemic lupus erythematosus. Matthews JB, et al. **J Oral Pathol** 1986 Nov; 15(10):520-3

Adenomatoid hyperplasia of mucous salivary glands. Report of two cases. Brown FH, et al. **J Periodontol** 1987 Feb; 58(2):125-7

Immunohistochemical investigations on the epimyoepithelial islands in lymphoepithelial lesions. Use of monoclonal keratin antibodies. Caselitz J, et al. **Lab Invest** 1986 Oct; 55(4):427-32

Transient salivary gland hypertrophy in bulimics. Ogren FP, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):951-3

Uniform detection of immunoglobulin-gene rearrangement in benign lymphoepithelial lesions. Fishleder A, et al. **N Engl J Med** 1987 Apr 30;316(18):1118-21

Salivary histopathology in diagnosis of Sjögren's syndrome. Daniels TE. **Scand J Rheumatol [Suppl]** 1986;61:36-43 (33 ref.)

Focal lymphocytic infiltrates of salivary glands are not confined to Sjögren's syndrome. Lindahl G, et al. **Scand J Rheumatol [Suppl]** 1986;61:52-5

An immunohistochemical study of lymphocyte subsets and expression of glandular HLA-DR in labial salivary glands from patients with symptomatic xerostomia, rheumatoid arthritis and systemic lupus erythematosus. Matthews JB, et al. **Scand J Rheumatol [Suppl]** 1986;61:56-60

Focus score in the diagnosis of Sjögren's syndrome. Segerberg-Konttinen M, et al. **Scand J Rheumatol [Suppl]** 1986;61:47-51

[Morphological characteristics of the minor salivary glands of patients with different forms of chronic parotitis and Sjögren's syndrome] Afanas'ev VV, et al. **Stomatologiia (Mosk)** 1986 Nov-Dec;65(6):69-71 (Eng. Abstr.) **(Rus)**

[Cystic adenoid carcinoma. Apropos of 2 cases originating in the salivary glands] Carvajal L, et al. **Med Cutan Ibero Lat Am** 1987;15(1):42-8 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Sympathetic and parasympathetic nerves regulate postsynaptic alpha-2 adrenoceptor in salivary glands. Kaniucki MD, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):488-93

The effect of adrenergic, cholinergic and peptidergic salivary stimulants on gastric mucosal integrity in the rat. Soper BD, et al. **J Physiol (Lond)** 1986 Nov;380:329-40

Intracellular pH in the rat mandibular salivary gland: the role of Na-H and Cl-HCO3 antiports in secretion. Pirani D, et al. **Pflugers Arch** 1987 Feb;408(2):178-84

PHYSIOPATHOLOGY

Pathophysiology of cystic fibrosis with emphasis on salivary gland involvement. Davis PB. **J Dent Res** 1987 Feb;66 Spec No:667-71

RADIATION EFFECTS

Serum tissue polypeptide antigen (TPA): a marker of acute injury of salivary glands during radiation therapy. Becciolini A, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep; 13(9):1339-42

RADIONUCLIDE IMAGING

[Usefulness of radioisotopic methods in the study of the salivary glands] Salvatori M, et al. **Radiol Med (Torino)** 1986 Nov;72(11):848-52 (Eng. Abstr.) **(Ita)**

[Quantitative assessment of irradiated salivary gland by sequential sialoscintigraphy] Jinnouchi S, et al. **Kaku Igaku** 1986 Jun;23(6):793-9 (Eng. Abstr.) **(Jpn)**

[Scintigraphic functional research on normal salivary glands] Dotsenko AN. **Med Radiol (Mosk)** 1987 Mar;32(3):23-7 (Eng. Abstr.) **(Rus)**

SECRETION

Salivary secretion of rat haptocorrin and amylase is stimulated by vasoactive intestinal polypeptide. Nexø E, et al. **Digestion** 1987;36(1):18-23

Structure of the monosialyl oligosaccharides derived from salivary gland mucin glycoproteins of the Chinese swiftlet (genus Collocalia). Characterization of novel types of extended core structure, Gal beta(1——3)[GlcNAc beta(1——6)] GalNAc alpha(1——3)GalNAc(-ol), and of chain termination, [Gal alpha(1——4)]0-1[Gal beta(1——4)]2GlcNAc beta(1——). Wieruszeski JM, et al. **J Biol Chem** 1987 May 15;262(14):6650-7

Effects of ion transport inhibition on rat mandibular gland secretion. Young JA, et al. **J Dent Res** 1987 Feb;66(2):531-6

Stereophotomicroscopic assessment of labial salivary gland flow. Greaves IC, et al. **J Oral Med** 1986 Jul-Sep; 41(3):172-4

The effects of feeding either hay or grass diets on salivary phosphorus secretion, net intestinal phosphorus absorption and on the partition of phosphorus excretion between urine and faeces in the sheep. Scott D, et al. **Q J Exp Physiol** 1987 Jul;72(3):331-8

[Cell physiology of the exocrine glands] Iwatsuki N. **Nippon Rinsho** 1986 Jul;44(7):1504-9 (20 ref.) **(Jpn)**

[Dysfunction of salivation] Kaneko T, et al. **Nippon Rinsho** 1986 Jul;44(7):1580-4 (17 ref.) **(Jpn)**

[Mechanism of secretion of ion fluid in exocrine gland cells] Maruyama Y, et al. **Nippon Rinsho** 1986 Jul;44(7):1500-3 (11 ref.) **(Jpn)**

[Secretion of the salivary glands: neurophysiologic approach] Matsuo R, et al. **Nippon Rinsho** 1986 Jul;44(7):1534-8 (14 ref.) **(Jpn)**

[Regulation of salivary secretion and receptors] Ohshika H. **Nippon Rinsho** 1986 Jul;44(7):1527-33 (20 ref.) **(Jpn)**

[Adaptational changes in the excretory function of the salivary glands while wearing plate dentures] Mikhailov VV, et al. **Stomatologiia (Mosk)** 1987 Mar-Apr;66(2):8-10 (Eng. Abstr.) **(Rus)**

SURGERY

Beta-adrenoceptors in the rat parotid gland enlarged by salivariectomy and bulk diet. Effects of denervation. Schneyer CA, et al. **J Auton Nerv Syst** 1986 Nov; 17(3):165-73

The effects of cheese snacks on caries in desalivated rats.

Krobicka A, et al. **J Dent Res** 1987 Jun;66(6):1116–9
[Esthetic aspects of salivary gland surgery] Novotný Z, et al. **Cesk Otolaryngol** 1987 Jan;36(1):33–41 (Eng. Abstr.) **(Cze)**

TRANSPLANTATION

Transplantation of salivary gland to the lacrimal basin. Murube-del-Castillo J. **Scand J Rheumatol [Suppl]** 1986; 61:264–7

ULTRASTRUCTURE

Salivary gland ultrastructure and cyclic AMP-dependent reactions in Spacelab 3 rats. Mednieks MI, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R233–9
Ultrastructural quantitation of myoepithelial cells in normal human major and minor salivary glands. Palmer RM, et al. **J Biol Buccale** 1986 Dec;14(4):281–6
Salivary gland changes in disease. Tandler B. **J Dent Res** 1987 Feb;66(2):398–406 (47 ref.)
Zinc-containing 7S-NGF complex. Evidence from zinc histochemistry for localization in salivary secretory granules. Frederickson CJ, et al. **J Histochem Cytochem** 1987 May;35(5):579–83
Beam induced mass loss in high resolution biological microanalysis. Cantino ME, et al. **J Microsc** 1986 Dec;144 (Pt 3):317–27
Acinic cell carcinoma of minor salivary gland origin. Hiratsuka H, et al. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):704–8
Oral problems in patients with Sjögren's syndrome. Fox R, et al. **Scand J Rheumatol [Suppl]** 1986;61:194–200
An immunocytochemical marker for the complex granules of tick salivary glands which traces e-granule shedding to interstitial labyrinthine spaces. Venable JH, et al. **Tissue Cell** 1986;18(5):765–81
[Structure of gaps between the secretory cells of the terminal portions of the palatine salivary glands] Kostilenko. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):49–54 (Eng. Abstr.) **(Rus)**

SALIVARY GLANDS, MINOR see under **SALIVARY GLANDS**

SALIVARY PROTEINS

Nuclear magnetic resonance spectroscopic and computer-stimulated structural analyses of a heptapeptide sequence found around the N-glycosylation site of a proline-rich glycoprotein from human parotid saliva. Loomis RE, et al. **Biophys J** 1987 Feb;51(2):193–203
[Salivary protein adsorption in vitro by ground cementum versus enamel] Ruan MS. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):200–2, 252 (Eng. Abstr.) **(Chi)**

ANALYSIS

Comparison of five techniques for the determination of protein content in mixed human saliva. Jenzano JW, et al. **Anal Biochem** 1986 Dec;159(2):370–6
Quantitative immunochemistry of salivary proteins adsorbed in vitro to enamel and cementum from caries-resistant and caries-susceptible human adults. Ruan MS, et al. **Arch Oral Biol** 1986;31(9):597–601
Genetic studies of low-abundance human plasma proteins. I. Microheterogeneity of zinc-alpha 2-glycoprotein in biological fluids. Kamboh MI, et al. **Biochem Genet** 1986 Dec;24(11–12):849–57
Developmental changes in the volumes, protein, and some electrolyte concentrations of male and female rat submandibular saliva secreted in response to methoxamine and pilocarpine. Abe K, et al. **J Dent Res** 1987 Mar; 66(3):745–50
The effects of various secretagogues on the mucin content of pure submandibular salivas. Denny PC, et al. **J Dent Res** 1987 May;66(5):1011–5
Biologically-active, low-molecular-weight peptides in human saliva. Distler W, et al. **J Dent Res** 1987 Feb; 66(2):603–4
Measuring the interaction of human secretory glycoproteins with oral bacteria. Eggert FM, et al. **J Dent Res** 1987 Feb; 66(2):610–2
Effect of beta 2-adrenoceptor agonists on saliva proteins and dental caries in asthmatic children. Ryberg M, et al. **J Dent Res** 1987 Aug;66(8):1404–6
Antimicrobial factors in saliva: ontogeny and relation to oral health. Tenovuo J, et al. **J Dent Res** 1987 Feb;66(2):475–9
The relationship between the caries activity test (Snyder) and salivary IgA level. Alaçam T, et al. **J Nihon Univ Sch Dent** 1986 Sep;28(3):195–8
Saliva composition and caries development during protein deficiency and beta-receptor stimulation or inhibition. Johansson I, et al. **J Oral Pathol** 1987 Mar;16(3):145–9
Salivary immunoglobulin concentrations in predentate and edentulous mouths. Grönblad EA, et al. **Scand J Dent Res** 1987 Feb;95(1):27–31
Lesions and saliva-specific antibody responses in rabbits with immediate and delayed hypersensitivity reactions to the bites of Glossina morsitans centralis. Ellis JA, et al. **Vet Pathol** 1986 Nov;23(6):661–7
[Immunoglobulins in human saliva] Grönblad-Saksela E. **Proc Finn Dent Soc** 1986;82(4):233–5 (Eng. Abstr.) **(Fin)**

BIOSYNTHESIS

Immunocytochemical localization of a developmentally regulated, isoproterenol-inducible protein (LM protein) in rat submandibular gland. Yagil C, et al. **Am J Anat** 1986 Sep;177(1):55–62
Induction of a specific (LM) protein in the submandibular gland of the rat by repeated amputation of the lower incisor teeth. Yagil C, et al. **Am J Anat** 1986 Dec;177(4):513–8
Biosynthesis of a salivary bacteria-agglutinating glycoprotein in the rat during protein deficiency. Johansson I, et al. **Caries Res** 1987;21(1):7–14
Developmental coordination of alpha-amylase and psp gene expression during mouse parotid gland differentiation is controlled posttranscriptionally. Shaw P, et al. **Cell** 1986 Oct 10;47(1):107–12
Regulation of salivary proteins. Johnson DA, et al. **J Dent Res** 1987 Feb;66(2):576–82
Regulatory aspects of N-linked glycoproteins. Kousvelari EE, et al. **J Dent Res** 1987 Feb;66(2):552–6

CLASSIFICATION

Structural aspects of salivary glycoproteins. Levine MJ, et al. **J Dent Res** 1987 Feb;66(2):436–41 (49 ref.)

GENETICS

Correlated changes in steady-state levels of Balbiani ring mRNAs and secretory polypeptides in salivary glands of Chironomus tentans. Case ST. **Chromosoma** 1986; 94(6):483–91
Individual variations in the content of giant secretory polypeptides in salivary glands of Chironomus. Kao WY, et al. **Chromosoma** 1986;94(6):475–82
Variegated expression of the Sgs-4 locus in Drosophila melanogaster. Kornher JS, et al. **Chromosoma** 1986; 94(3):205–16
Drosophila glue gene Sgs-3: sequences required for puffing and transcriptional regulation. Crosby MA, et al. **Dev Biol** 1986 Dec;118(2):593–607
Cis-acting sequences which regulate expression of the Sgs-4 glue protein gene of Drosophila. McNabb SL, et al. **EMBO J** 1986 Sep;5(9):2331–40
Coordination of murine parotid secretory protein and salivary amylase expression. Poulsen K, et al. **EMBO J** 1986 Aug; 5(8):1891–6
Sequences sufficient for correct regulation of Sgs-3 lie close to or within the gene. Raghavan KV, et al. **EMBO J** 1986 Dec 1;5(12):3321–6
A simplified procedure for simultaneous detection of salivary proteins and its application in paternity testing. Caeiro JL, et al. **Forensic Sci Int** 1987 Jan;33(1):47–52
Genetic localization of a regulatory site necessary for the production of the glue protein P5 in Drosophila melanogaster. Hoshizaki DK, et al. **Genet Res** 1987 Apr; 49(2):111–9
Induction of tissue-specific proline-rich protein multigene families in rat and mouse parotid glands by isoproterenol. Unusual strain differences of proline-rich protein mRNAs. Ann DK, et al. **J Biol Chem** 1987 Jan 15;262(2):899–904
Structural and genetic aspects of proline-rich proteins. Bennick A. **J Dent Res** 1987 Feb;66(2):457–61 (49 ref.)
Molecular basis of salivary proline-rich protein and peptide synthesis: cell-free translations and processing of human and macaque statherin mRNAs and partial amino acid sequence of their signal peptides. Oppenheim FG, et al. **J Dent Res** 1987 Feb;66(2):462–6
Genetic and sex-related differences in the structure of submandibular glycoconjugates. Schulte BA. **J Dent Res** 1987 Feb;66(2):442–50
Structure and expression of the parotid secretory protein gene of mouse. Shaw P, et al. **J Mol Biol** 1986 Dec 5; 192(3):567–76
Larval salivary gland secretion proteins in Drosophila structural analysis of the Sgs-5 gene. Shore EM, et al. **J Mol Biol** 1986 Jul 20;190(2):149–58

IMMUNOLOGY

A peptide-reactive antibody to a Balbiani ring gene product: immunological evidence that a 6.5-kb RNA in Chironomus tentans salivary glands is mRNA for a 180-kDa nonfibrous component of larval secretion. Dreesen TD, et al. **Gene** 1987;55(1):55–65
Ontogeny and senescence of salivary immunity. Smith DJ, et al. **J Dent Res** 1987 Feb;66(2):451–6

ISOLATION & PURIFICATION

Purification of a survival factor for spinal neurons from mouse salivary gland. Gurney ME, et al. **Adv Exp Med Biol** 1987;209:51–8
A heterogeneous beta-D-glucosidase activator from monkey parotid gland and its use as an affinity ligand in the purification of human salivary beta-D-glucosidase. Nagarajan S, et al. **Biochem Int** 1987 Feb;14(2):365–73
Qualitative and quantitative studies of Gc (vitamin D-binding protein) in normal subjects and patients with periodontal disease. Krayer JW, et al. **J Periodont Res** 1987 Jul; 22(4):259–63
Isolation and characterization of salivary antigens from the female tick, Dermacentor andersoni. Gordon JR, et al. **Parasite Immunol** 1987 May;9(3):337–52
[Oral hygiene status and rate of secretion, viscosity and resistance to protein sedimentation of the oral fluid of children with diffuse connective tissue diseases and rheumatoid arthritis] Padalka IA. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):74–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Interaction of a 60-kilodalton D-mannose-containing salivary glycoprotein with type 1 fimbriae of Escherichia coli. Babu JP, et al. **Infect Immun** 1986 Oct;54(1):104–8
Protein production and secretion in exocrine cells. Castle JD, et al. **J Dent Res** 1987 Feb;66 Spec No:633–7
Proteolytic activity of bacteria isolated from the oral cavities of BALB/c mice toward salivary proteins. Dumas C, et al. **J Dent Res** 1987 Jan;66(1):62–4
Regulation of parotid salivary proteins by glucocorticoids. Johnson DA, et al. **J Dent Res** 1987 Oct;66(10):1563–8

PHARMACODYNAMICS

An extract of rat submandibular glands activates platelets and enhances cutaneous vascular permeability in rats and guinea pigs. Cox CP, et al. **Life Sci** 1986 Nov 17; 39(20):1917–25
Human salivary gustin is a potent activator of calmodulin-dependent brain phosphodiesterase. Law JS, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1674–8

PHYSIOLOGY

Role of mucins from human whole saliva in the protection of tooth enamel against demineralization in vitro. Nieuw Amerongen AV, et al. **Caries Res** 1987;21(4):297–309
Potential role of lysozyme in bactericidal activity of in vitro-acquired salivary pellicle against Streptococcus faecium 9790. Germaine GR, et al. **Infect Immun** 1986 Dec; 54(3):846–54
Effects of fibronectin and other salivary macromolecules on the adherence of Escherichia coli to buccal epithelial cells. Hasty DL, et al. **Infect Immun** 1987 Sep;55(9):2103–9
Interference of IgA protease with the effect of secretory IgA on adherence of oral streptococci to saliva-coated hydroxyapatite. Reinholdt J, et al. **J Dent Res** 1987 Feb; 66(2):492–7
Modulation of immune response. A possible role for murine salivary epidermal and nerve growth factors. Dean DH, et al. **J Periodontol** 1987 Jul;58(7):498–500

SECRETION

Phosphorylation of the alpha-subunit of (Na+ + K+)-ATPase by carbachol in tissue slices and the role of phosphoproteins in stimulus-secretion coupling. Collins SA, et al. **Biochim Biophys Acta** 1987 Mar 11; 927(3):392–401
Substance P and mucus glycoprotein secretion. Fleming N, et al. **J Dent Res** 1987 Feb;66(2):588–9
Secretion of antimicrobial proteins from the parotid glands of different aged healthy persons. Fox PC, et al. **J Gerontol** 1987 Sep;42(5):466–9

SALIVATION

see related
SIALORRHEA
XEROSTOMIA

Salivary response to olfactory food stimuli as a function of dietary restraint and body weight. Legoff DB, et al. **Appetite** 1987 Feb;8(1):29–35
Salivation and depression: a role for appetitive factors. Russ MJ, et al. **Appetite** 1987 Feb;8(1):37–47
Salivation mediated by central M-2 muscarinic receptors in the cat. Tomic-Beleslin N, et al. **Brain Res Bull** 1986 Aug; 17(2):279–81
Bilateral Duane's retraction syndrome associated with crocodile tears. Agarwal RK. **Indian J Ophthalmol** 1984 Jul-Aug;32(4):243–4
Disputable issues in cholinergic regulation of the salivary parotid gland functioning and in its evolution. Levin SL. **Int J Clin Pharmacol Res** 1986;6(4):339–41
Autonomic correlates of alimentary conditioned and unconditioned reactions in the dog. Kostarczyk E. **J Auton Nerv Syst** 1986 Dec;17(4):279–88
Characteristics of the transient components in human parotid salivation. Shimatani Y, et al. **J Nihon Univ Sch Dent** 1987 Mar;29(1):17–26
Influence of superior cervical ganglion stimulation frequency on salivary secretion in the rabbit. Comparative study of parotid and mandibular glands. Moreno M, et al. **Rev Esp Fisiol** 1986 Dec;42(4):489–95
[Neural regulation of salivary gland secretion] Malfertheiner P, et al. **Z Gastroenterol** 1987 Apr;25 Suppl 1:15–20 (40 ref.) (Eng. Abstr.) **(Ger)**
[Amylase, saliva flow rate and caries] Klinger G, et al. **Zahn Mund Kieferheilkd** 1987;75(3):238–44 (Eng. Abstr.) **(Ger)**
[Dysfunction of salivation] Kaneko T, et al. **Nippon Rinsho** 1986 Jul;44(7):1580–4 (17 ref.) **(Jpn)**
[Features of the formation of conditioned secretory reflexes in response to the stimulation of different areas of the caudate nucleus of the dog] Danilova LK, et al. **Zh Vyssh Nerv Deiat** 1986 Sep-Oct;36(5):864–72 (Eng. Abstr.) **(Rus)**
[The significance of TRH, enkephalins and beta-endorphin

in the central regulation of salivation] Tomić-Beleslin N, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):85-94 (Eng. Abstr.) (Sec)

DRUG EFFECTS

Inhibition of salivary and lacrimal secretion by an enkephalin analogue (FK33-824). Sullivan SN. **Ann Ophthalmol** 1983 Jun;15(6):497

Nature of salivation produced by thyrotropin-releasing hormone (TRH). Beleslin DB, et al. **Brain Res Bull** 1987 Mar;18(3):463-5

Little anticholinergic effect of E-10-hydroxynortriptyline compared with nortriptyline in healthy subjects. Nordin C, et al. **Clin Pharmacol Ther** 1987 Jan;41(1):97-102

Effects of antireflux therapies on salivary function in normal humans. DeVault KR, et al. **Dig Dis Sci** 1987 Jun; 32(6):603-8

The role of dopamine in salivation in the rat parotid gland. Michalek R, et al. **Gen Pharmacol** 1986;17(4):473-6

Dualism in the effect of cholinolytics upon the human parotid gland deprived of parasympathetic control. Levin SL. **Int J Clin Pharmacol Res** 1986;6(5):429-39

The inhibitory effect of guanabenz on submandibulary salivation induced by chorda tympani stimulation in anaesthetized cat. Terzić M, et al. **J Pharmacol** 1986 Oct-Dec;17(4):671-5

Neurokinin-induced salivation in the anesthetized rat: a three receptor hypothesis. Murray CW, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):500-6

Comparisons of the cardiovascular and antisialogogue effects among glycopyrrolate, scopolamine and atropine in man. Hsu JC, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):39-44

Oral scopolamine hydrobromide solution as an antisialagogic agent in dentistry. Markkanen YJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):417-20

["Normalization" of the functions of a denervated organ using a weighted cholinolytic chlorosyl] Levin SL. **Patol Fiziol Eksp Ter** 1986 Sep-Oct;(5):45-7 (Eng. Abstr.) (Rus)

SALK VACCINE see **POLIOVIRUS VACCINE**

SALMINE see under **PROTAMINES**

SALMO SALMO see **SALMON**

SALMON

Occurrence of different types of infectious hematopoietic necrosis virus in fish. Hsu YL, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1353-61

Mutagenicity of human urine after the consumption of fried salted salmon. Ohyama S, et al. **Food Chem Toxicol** 1987 Feb;25(2):147-53

Pathological characteristics of salmonid herpesviruses and antibody production of the virus-infected fish. Ishigaki K, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):403-10

Diphyllobothrium plerocercoid infestation in landlocked salmon. van Kruiningen HJ, et al. **Vet Pathol** 1987 May; 24(3):285-6

Clinical pathology of myodegeneration (pancreas disease) in Atlantic salmon (Salmo salar). Ferguson HW, et al. **Vet Rec** 1986 Sep 20;119(12):297-9

[Chronic experimental testing of a new formulated fish product--an analog of salmon based on isolated krill protein] Lebedeva EA, et al. **Vopr Pitan** 1987 Jan-Feb; (1):59-61 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Ascending pathways from the spinal cord in the himé salmon (landlocked red salmon, Oncorhynchus nerka). Oka Y, et al. **J Comp Neurol** 1986 Dec 1;254(1):104-12

Descending pathways to the spinal cord in the himé salmon (landlocked red salmon, Oncorhynchus nerka). Oka Y, et al. **J Comp Neurol** 1986 Dec 1;254(1):91-103

BLOOD

Diel and seasonal changes in resting plasma cortisol levels in juvenile Atlantic salmon, Salmo salar L. Thorpe JE, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):19-22

Maturational steroids and gonadotropin in upstream migratory sockeye salmon. Truscott B, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):99-110

EMBRYOLOGY

Thyroid hormones in blood plasma of developing salmon embryos. Sullivan CV, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):337-45

GENETICS

Chromosome banding in salmonid fishes: nucleolar organizer regions in Oncorhynchus. Phillips RB, et al. **Can J Genet Cytol** 1986 Aug;28(4):502-10

Linkage relationships reflecting ancestral tetraploidy in salmonid fish. Johnson KR, et al. **Genetics** 1987 Aug; 116(4):579-91

Gene mapping of isozyme loci in chum salmon. Seeb JE, et al. **J Hered** 1986 Nov-Dec;77(6):399-402

GROWTH & DEVELOPMENT

Atomic emission and proton microprobe studies of the ion content of otoliths of chinook salmon aimed at recovering the temperature life history of individuals. Gauldie RW, et al. **Comp Biochem Physiol [A]** 1986;84(4):607-15

Body composition of Atlantic salmon (Salmo salar L.) studied by neutron activation analysis. Talbot C, et al. **Comp Biochem Physiol [A]** 1986;85(3):445-50

Effects of sex steroids on the smoltification of masu salmon, Oncorhynchus masou. Ikuta K, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):99-110

Lunar cycles of coho salmon, Oncorhynchus kisutch. I. Growth and feeding. Farbridge KJ, et al. **J Exp Biol** 1987 May;129:165-78

Salmon production in the United States. Harrell LW. **Vet Hum Toxicol** 1987;29 Suppl 1:49-51

IMMUNOLOGY

Polyclonal activation of salmonid B lymphocytes. Kaattari SL, et al. **Dev Comp Immunol** 1987 Winter;11(1):155-65

Further studies on the alpha-precipitins of the Atlantic salmon (Salmo salar). Alexander JB, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):69-74

Salmonid B lymphocytes demonstrate organ dependent functional heterogeneity. Irwin MJ, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):39-45

METABOLISM

Changes in plasma, liver, and ovary vitellogenin in landlocked Atlantic salmon following exposure to sublethal cyanide. Ruby SM, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):507-10

Structure of a peptide from coho salmon endocrine pancreas with homology to neuropeptide Y. Kimmel JR, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1084-91

Laser-Raman and infrared spectroscopic studies of protein conformation in the eggshell of the fish Salmo gairdneri. Hamodrakas SJ, et al. **Biochim Biophys Acta** 1987 Jun 17; 913(2):163-9

Changes with age in total brain concentrations of biogenic amine neurotransmitters in coho salmon (Oncorhynchus kisutch Walbaum). Ebbesson SO, et al. **Brain Res** 1987 Mar 3;405(1):175-7

Cadmium and lead in Lake Ontario salmonids. Cappon CJ. **Bull Environ Contam Toxicol** 1987 Apr;38(4):695-9

Metabolic pathways of carotenoids in chum salmon Oncorhynchus keta during spawning migration. Ando S, et al. **Comp Biochem Physiol [B]** 1987;87(2):411-6

High molecular weight heat-stable alkaline proteinase from white croaker and chum salmon muscle: comparison of the activating effects by heating and urea. Toyohara H, et al. **Comp Biochem Physiol [B]** 1987;86(1):99-102

Effects of epinephrine and norepinephrine on lipid mobilization from coho salmon liver incubated in vitro. Sheridan MA. **Endocrinology** 1987 Jun;120(6):2234-9

Development and validation of a salmon growth hormone radioimmunoassay. Bolton JP, et al. **Gen Comp Endocrinol** 1986 May;62(2):230-8

Profiles of plasma sex steroids and gonadotropin in coho salmon, Oncorhynchus kisutch, during final maturation. Fitzpatrick MS, et al. **Gen Comp Endocrinol** 1986 Jun; 62(3):437-51

Gonadotropin receptors in the postovulatory ovary of amago salmon (Oncorhynchus rhodurus). Kanamori A, et al. **Gen Comp Endocrinol** 1987 May;66(2):210-7

Characterization of melanin concentrating hormone in teleost hypothalamus. Kawazoe I, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):423-31

Adenylate cyclase activators and inhibitors, cyclic nucleotide analogs, and phosphatidylinositol: effects on interrenal function of coho salmon (Oncorhynchus kisutch) in vitro. Patiño R, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):230-5

Characterization of coho salmon (Oncorhynchus kisutch) islet somatostatins [published erratum appears in Gen Comp Endocrinol 1987 Jan;65(1):166] Plisetskaya EM, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):252-63

Effects of cortisol and growth hormone on osmoregulation in pre- and desmoltified coho salmon (Oncorhynchus kisutch). Richman NH 3d, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):189-98

Effects of somatostatin-25 and urotensin II on lipid and carbohydrate metabolism of coho salmon, Oncorhynchus kisutch. Sheridan MA, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):405-14

Effects of thyroxin, cortisol, growth hormone, and prolactin on lipid metabolism of coho salmon, Oncorhynchus kisutch, during smoltification. Sheridan MA. **Gen Comp Endocrinol** 1986 Nov;64(2):220-38

ACTH-related material in the pituitary gland of the chinook salmon (Oncorhynchus tschawytscha). Sumpter JP. **Gen Comp Endocrinol** 1986 Jun;62(3):359-66

Pituitary thyrotropin and gonadotropin of coho salmon (Oncorhynchus kisutch): separation by chromatofocusing. Swanson P, et al. **Gen Comp Endocrinol** 1987 Feb; 65(2):269-87 (98 ref.)

Cortisol secretion in vitro by the interrenal of coho salmon (Oncorhynchus kisutch) during smoltification: relationship with plasma thyroxine and plasma cortisol. Young G. **Gen Comp Endocrinol** 1986 Aug;63(2):191-200

Studies on the putative role of gamma-glutamyl transpeptidase in intestinal transport of amino acids in Atlantic salmon. Bell JG, et al. **J Comp Physiol [B]** 1987; 157(2):161-9

Chromogranin A is present in and released by fish endocrine tissue. Deftos LJ, et al. **Life Sci** 1987 Jun 1;40(22):2133-6

Influence of aquatic humus and pH on the uptake and depuration of cadmium by the Atlantic salmon (Salmo salar L.). John J, et al. **Sci Total Environ** 1987 Apr;62:253-65

MICROBIOLOGY

Characteristics of a new herpesviral isolate from salmonid fish. Hayashi Y, et al. **Nippon Juigaku Zasshi** 1986 Oct; 48(5):915-24

The persistence of infectious pancreatic necrosis virus in Atlantic salmon. Knott RM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):359-64

PARASITOLOGY

Human intestinal infection with Nanophyetus salmincola from salmonid fishes. Eastburn RL, et al. **Am J Trop Med Hyg** 1987 May;36(3):586-91

Salmon poisoning disease in juvenile coyotes: clinical evaluation and infectivity of metacercariae and rickettsiae. Foreyt WJ, et al. **J Wildl Dis** 1987 Jul;23(3):412-7

PHYSIOLOGY

Acute toxicity of Garlon 4 and Roundup herbicides to salmon, Daphnia, and trout. Servizi JA, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):15-22

Coronary ligation reduces maximum sustained swimming speed in Chinook salmon, Oncorhynchus tshawytscha. Farrell AP, et al. **Comp Biochem Physiol [A]** 1987; 87(1):35-7

Effect of water-soluble fraction of Cook Inlet crude oil on swimming performance and plasma cortisol in juvenile coho salmon (Oncorhynchus kisutch). Thomas RE, et al. **Comp Biochem Physiol [C]** 1987;87(1):177-80

Seasonal changes in pineal melatonin content and hydroxyindole-O-methyltransferase activity in juvenile chinook salmon, Oncorhynchus tshawytscha. Birks EK, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):91-8

Effect of corticosteroids on the morphology and proliferation of two salmonid cell lines. Lee LE, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):373-80

Effects of cortisol and growth hormone replacement on osmoregulation in hypophysectomized coho salmon (Oncorhynchus kisutch). Richman NH 3d, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):194-201

Development of a salmon growth hormone radioimmunoassay. Wagner GF, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):452-8

Purification, characterization, and bioassay of teleocalcin, a glycoprotein from salmon corpuscles of Stannius. Wagner GF, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):481-91

Adhesion of Aeromonas salmonicida strains associated with net electrostatic charges of host tissue cells. Sakai DK. **Infect Immun** 1987 Mar;55(3):704-10

Lunar cycles of coho salmon, Oncorhynchus kisutch. II. Scale amino acid uptake, nucleic acids, metabolic reserves and plasma thyroid hormones. Farbridge KJ, et al. **J Exp Biol** 1987 May;129:179-89

Acquisition of potential for sperm motility in rainbow trout and chum salmon. Morisawa S, et al. **J Exp Biol** 1986 Nov; 126:89-96

Computer-automated method to study cardiac conditioning to a chemical cue in young salmon. Morin PP, et al. **Physiol Behav** 1987;39(5):657-64

SALMONELLA

Endotoxin alters arachidonate metabolism in pulmonary endothelial cells. Suttorp N, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 1):C384-90

Enzyme immunoassay for detection of Salmonella in foods: collaborative study. Flowers RS, et al. **J Assoc Off Anal Chem** 1986 Sep-Oct;69(5):786-98

Inhibition of endotoxin-induced priming of human neutrophils by lipid X and 3-Aza-lipid X. Danner RL, et al. **J Clin Invest** 1987 Sep;80(3):605-12

High-density lipoproteins inhibit the bacterial lipopolysaccharide mediated increase in oxidative metabolism and lysozyme release by neutrophilic granulocytes in vitro. Wiernik A, et al. **J Clin Lab Immunol** 1986 Nov;21(3):131-5

Lethal toxicity of lipopolysaccharide and tumor necrosis factor in normal and D-galactosamine-treated mice. Lehmann V, et al. **J Exp Med** 1987 Mar 1;165(3):657-63

Measurement and calculation of endotoxin inactivation by dry heat. Gail L, et al. **Prog Clin Biol Res** 1987;231:273-81

Fixing and removing of bacterial endotoxins from glass surfaces for validation of dry heat sterilization. Jensch UE, et al. **Prog Clin Biol Res** 1987;231:283-8

Investigations on an essential plasma factor disturbing the photometric determination of endotoxin in plasma samples with the Limulus test. Nitsche D, et al. **Prog Clin Biol Res** 1987;231:331-40

Effects of bacterial endotoxin and platelet activating factor (PAF) on human platelet aggregation in native whole blood. Davis RB, et al. **Thromb Res** 1986 Dec 1; 44(5):565-73

ANALYSIS

Biological activity of synthetic heptaacyl lipid A representing a component of Salmonella minnesota R595 lipid A. Galanos C, et al. **Eur J Biochem** 1986 Oct 1;160(1):55–9

Investigations into the polymorphism of lipid A from lipopolysaccharides of Escherichia coli and Salmonella minnesota by Fourier–transform infrared spectroscopy. Naumann D, et al. **Eur J Biochem** 1987 Apr 1;164(1):159–69

CLASSIFICATION

Isolates of salmonella and Escherichia coli serotyped at the Salmonella Reference Laboratory in 1984 from veterinary and human sources. Murray CJ. **Aust Vet J** 1986 Jun; 63(6):192–3

The prevalence of human isolates of Salmonella subspecies II in southern Africa. Schrire L, et al. **Epidemiol Infect** 1987 Feb;98(1):25–31

A new scheme for phage typing Salmonella bareilly and characterization of typing phages. Jayasheela M, et al. **J Appl Bacteriol** 1987 May;62(5):429–32

[Species structure of Salmonellae isolated from mammals, poultry, feed mixtures and the environment 1976–1980] Kaloianov I, et al. **Vet Med Nauki** 1987;24(5):44–51 (Eng. Abstr.) **(Bul)**

[Supplement 1986 (no 30) to the Kauffmann–White classification] Le Minor L, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):343–8 (Eng. Abstr.) **(Fre)**

[Salmonella implicated in current acute diarrheal diseases] Turcu T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep;90(3):465–8 (Eng. Abstr.) **(Rum)**

[A new form of diagnostic preparations—immunoindicator pencils] Nikitin VM, et al. **Lab Delo** 1986;(7):438–40 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Antibiotic susceptibilities of swine Salmonella isolants from 1979 to 1983. Mills KW, et al. **Am J Vet Res** 1986 Nov; 47(11):2349–50

Cephalosporin therapy for salmonellosis. Questions of efficacy and cross resistance with ampicillin. Cherubin CE, et al. **Arch Intern Med** 1986 Nov;146(11):2149–52

A survey of drug resistance in salmonellae isolated from animals in England and Wales in 1982 and 1983. Sojka WJ, et al. **Br Vet J** 1986 Jul–Aug;142(4):371–80

Study on antimicrobial resistance and transferable resistance of Salmonella strains. Gan YQ, et al. **Chin Med J [Engl]** 1986 Oct;99(10):808–11

In vitro activity of ofloxacin against 210 clinical isolates of typhoid salmonellae. Hannan A. **Infection** 1986;14 Suppl 4:S243–4

Effect of curing R–plasmids in Salmonella species on their serum sensitivity. el–Khouly AE, et al. **Int J Clin Pharmacol Ther Toxicol** 1986 Aug;24(8):433–7

Antibiotic resistance profiles and molecular epidemiology of Salmonella typhimurium and S. dublin, mainly from cattle. Jørgensen ST. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:183–8

Apramycin and gentamicin resistance in Escherichia coli and salmonellas isolated from farm animals. Wray C, et al. **J Hyg (Lond)** 1986 Dec;97(3):445–56

Clavulanate–potentiated amoxycillin: in vitro antibacterial activity and oral bioavailability in calves. Soback S, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):105–13

Changes in antimicrobial resistance of Salmonella isolated from humans in the United States. MacDonald KL, et al. **JAMA** 1987 Sep 18;258(11):1496–9

Resistance to various antibiotics of Salmonella and Escherichia coli isolated from registrable farm feeds. Durand AM, et al. **Onderstepoort J Vet Res** 1987 Mar; 54(1):21–6

Consequences on emergence of resistant bacteria from the use of antibacterials in animal husbandry. Little TW, et al. **Scand J Infect Dis [Suppl]** 1986;49:124–8 (25 ref.)

Drug–resistant Salmonella in the United States: an epidemiologic perspective. Cohen ML, et al. **Science** 1986 Nov 21;234(4779):964–9 (36 ref.)

[Microbial resistance of Salmonella agona from various regions of Brazil] Solari CA, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):7–14 (Eng. Abstr.) **(Por)**

[Resistance to antibiotics and sulfanilamides of enterobacteria isolated in Ulyanovsk Province] Vos'mirko VL. **Antibiot Med Biotekhnol** 1986 Nov;31(11):863–6 (Eng. Abstr.) **(Rus)**

[Sensitivity of strains of Salmonella isolated from various sources to antibiotics] Aleksandrova NZ, et al. **Sov Med** 1987;(3):84–6 **(Rus)**

ENZYMOLOGY

[Biochemical characteristics of the causative agent of fowl typhoid] Giurov B. **Vet Med Nauki** 1986;23(5):12–9 (Eng. Abstr.) **(Bul)**

[Production of restriction endonucleases from various Salmonella strains of human origin] Matsui M, et al. **Eisei Shikenjo Hokoku** 1986;(104):92–6 (Eng. Abstr.) **(Jpn)**

[Sensitivity of mannosyl transferases from Salmonella serotype E1 and B to modification of the donor heterocyclic base] Druzhinina TN, et al. **Bioorg Khim** 1986 Sep;12(9):1181–4 (Eng. Abstr.) **(Rus)**

[Acceptor specificity of mannosyl transferases from Salmonella of serotypes C2 and C3] Druzhinina TN, et al. **Bioorg Khim** 1986 Dec;12(12):1589–96 (Eng. Abstr.) **(Rus)**

GENETICS

Frequency of four classes of tetracycline resistance determinants in Salmonella and Shigella spp. clinical isolates. Martínez–Salazar JM, et al. **Antimicrob Agents Chemother** 1986 Oct;30(4):630–1

Methylation analysis of the heptose/3–deoxy–D–manno–2–octulosonic acid region (inner core) of the lipopolysaccharide from Salmonella minnesota rough mutants. Tacken A, et al. **Carbohydr Res** 1986 Jul 1;149(2):279–91

Physical analysis of Tn10– and IS10–promoted transpositions and rearrangements. Shen MM, et al. **Genetics** 1987 Jul; 116(3):359–69

Contribution of Salmonella gallinarum large plasmid toward virulence in fowl typhoid. Barrow PA, et al. **Infect Immun** 1987 Feb;55(2):388–92

Epidemiology and chromosomal location of genes encoding multiresistance in Salmonella dublin. Helmuth R, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:179–81

The distribution of plasmids among a representative collection of Scottish strains of Salmonellae. Platt DJ, et al. **J Hyg (Lond)** 1986 Oct;97(2):199–204

Natural history of oral Salmonella dublin infection in BALB/c mice: effect of an 80–kilobase–pair plasmid on virulence. Heffernan EJ, et al. **J Infect Dis** 1987 Jun; 155(6):1254–9

A molecular study of Salmonella strains identified from two food–poisoning outbreaks. Nastasi A, et al. **Microbiologica** 1987 Jul;10(3):265–9

A spontaneously produced lipopolysaccharide biosynthetic defect which causes both pleiotropic phage resistance and mucoid colony morphology in Salmonella anatum. McConnell MR, et al. **Microbios** 1986;48(196–197):135–58

The nucleotide sequence of the H–1r gene of Salmonella rubislaw. Wei LN, et al. **Nucleic Acids Res** 1986 Oct 24; 14(20):8227

Two DNA recognition domains of the specificity polypeptides of a family of type I restriction enzymes. Fuller–Pace FV, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9368–72

[Plasmid profiles and antimicrobial resistance in Salmonella typhimurium, S. enteritidis, and S. braenderup isolates from human sources] Horiuchi S, et al. **Kansenshogaku Zasshi** 1987 Feb;61(2):167–77 (Eng. Abstr.) **(Jpn)**

[Plasmid characteristics of Salmonella strains of various origins] Iakovleva ON, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):14–21 (Eng. Abstr.) **(Rus)**

[Genetic characteristics and protective properties of neamin–resistant mutant Salmonella typhimurium and S. dublin of the Nea(r) Str(s) and Nea(r) Str(r) 500 classes] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):3–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Enterobacteriaceae, coliforms, faecal coliforms and salmonellas in raw ewes' milk. Gaya P, et al. **J Appl Bacteriol** 1987 Apr;62(4):321–6

Growth of salmonellas in different enrichment media. Patil MD, et al. **J Appl Bacteriol** 1986 Jul;61(1):19–24

Current progress in reducing salmonella colonization of poultry by 'competitive exclusion'. Mead GC, et al. **Soc Appl Bacteriol Symp Ser** 1986;15:67S–75S (44 ref.)

Enumeration of salmonellas by most probable number method from sewage and sewage–polluted natural waters, comparing the use of preenrichment versus direct enrichment in NR10 at different temperatures. Alcaide E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):34–41

[Qualitative and quantitative studies on Salmonellae in industrially obtained poultry meat (broilers)] Fries R. **DTW** 1987 Apr 8;94(4):197–200 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immunologic memory responses induced in BALB/c mice by cross–linked outer membrane extracts of four Salmonella serotypes. Kudrna DA, et al. **Am J Vet Res** 1987 Aug; 48(8):1199–205

Neutrophil stimulation by lipid A and lipopolysaccharides from Salmonella minnesota. DeBari VA, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):597–600

The structure of the antigenic lipopolysaccharide O–chains produced by Salmonella urbana and Salmonella godesberg. Perry MB, et al. **Carbohydr Res** 1986 Nov 15;156:107–22

Synthesis of oligosaccharide fragments of the repeating unit of Salmonella kentucky O–specific polysaccharide and conversion of the oligosaccharides into the glycosyl phosphates. Torgov VI, et al. **Carbohydr Res** 1987 Mar 15;161(1):97–112

Functional properties of Salmonella minnesota Rb–bound and Rb–unbound cell fractions in elderly donors. Antonaci S, et al. **Diagn Clin Immunol** 1987;5(1):1–7

Enzyme immunoassay for the quantitation of immunoglobulin M class antibodies to Salmonella minnesota R595 and Escherichia coli J5 lipopolysaccharides. Vanesian MA, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):11–25

Comparison of enterobacterial common antigen from different species by serological techniques. Kuhn HM, et al. **Eur J Biochem** 1987 Jan 2;162(1):69–74

Relationship between immune system and gram–negative bacteria, binding of Salmonella pullorum–gallinarum to chicken lymphocytes. Monno RA, et al. **Eur J Epidemiol** 1986 Dec;2(4):294–9

Antigenic and immunogenic properties of recombinants from Salmonella typhimurium and Salmonella minnesota rough mutants expressing in their lipopolysaccharide a genus–specific chlamydial epitope. Brade L, et al. **Infect Immun** 1987 Feb;55(2):482–6

A murine monoclonal antibody specific for the outer core oligosaccharide of Salmonella lipopolysaccharide. Tsang RS, et al. **Infect Immun** 1987 Jan;55(1):211–6

Relationship between immune system and gram–negative bacteria. Acid–treated Salmonella minnesota R595 (Re) enhances immune responsiveness in patients with gynecologic malignancies. Jirillo E, et al. **Int J Immunopharmacol** 1986;8(8):881–6

Lipopolysaccharide size and distribution determine serum resistance in Salmonella montevideo [published erratum appears in J Bacteriol 1987 Jun;169(6):2911] Grossman N, et al. **J Bacteriol** 1987 Feb;169(2):856–63

Biosynthesis of enterobacterial common antigen requires dTDPglucose pyrophosphorylase determined by a Salmonella typhimurium rfb gene and a Salmonella montevideo rfe gene. Lew HC, et al. **J Bacteriol** 1986 Nov; 168(2):715–21

Salmonella agglutinins in normal adult sera in an endemic area. Jamal F, et al. **J Diarrhoeal Dis Res** 1986 Jun;4(2):74–6

C3b generation is affected by the structure of the O–antigen polysaccharide in lipopolysaccharide from salmonellae. Jimenez–Lucho VE, et al. **J Immunol** 1987 Aug 15; 139(4):1253–9

Bacterial activation of human natural killer cells. Characteristics of the activation process and identification of the effector cell. Tarkkanen J, et al. **J Immunol** 1986 Oct 15;137(8):2428–33

Live oral Salmonella vaccines: potential use of attenuated strains as carriers of heterologous antigens to the immune system. Dougan G, et al. **Parasite Immunol** 1987 Mar; 9(2):151–60 (41 ref.)

Simultaneous vaccination by three living attenuated strains of Brucella, Salmonella and Chlamydia in mice. Plommet M, et al. **Vaccine** 1987 Mar;5(1):27–32

Selenium supplementation in lambs: effects on antibody responses to a salmonella vaccine. Finch JM, et al. **Vet Rec** 1986 Oct 25;119(17):430–1

[Oxidase activity of the ceruloplasmin in vaccinated and gamma–irradiated poultry] Aladzhov E, et al. **Vet Med Nauki** 1987;24(2):36–9 (Eng. Abstr.) **(Bul)**

[Enzymatic synthesis of polyprenyl phosphosugars in Salmonella serotype C1] Druzhinina TN, et al. **Bioorg Khim** 1986 Sep;12(9):1234–9 (Eng. Abstr.) **(Rus)**

[Experimental study of the protective activity of the plasma from donors immunized with an enterobacterial vaccine] Krokhina MA, et al. **Gematol Transfuziol** 1986 Nov; 31(11):28–32 (Eng. Abstr.) **(Rus)**

[Determination of serum antibody avidity compared to infectious O–antigenemia in paratyphoid B patients] Cherkasov VL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 May;(5):61–4 (Eng. Abstr.) **(Rus)**

[Genetics of the immune response of Karakul sheep immunized with E. coli and Salmonella vaccines. An analysis of the intensity of the immune response in 2d–generation and reverse–cross hybrids] Dushanov AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):80–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Novobiocin–brilliant green–glucose agar: new medium for isolation of salmonellae. Devenish JA, et al. **Appl Environ Microbiol** 1986 Sep;52(3):539–45

Multiyear study of sludge application to farmland: prevalence of bacterial enteric pathogens and antibody status of farm families. Ottolenghi AC, et al. **Appl Environ Microbiol** 1987 May;53(5):1118–24

Salmonella nima in British Columbia. **Can Med Assoc J** 1986 Dec 1;135(11):1286

Isolations of salmonellas from humans and foods in the Manchester area: 1981–1985. Barrell RA. **Epidemiol Infect** 1987 Jun;98(3):277–84

A comparative study of strains of salmonella isolated from irrigation waters, vegetables and human infections. García–Villanova Ruiz B, et al. **Epidemiol Infect** 1987 Jun; 98(3):271–6

An evaluation of a commercially available enzyme immunoassay test for the rapid detection of salmonellae in food and environmental samples. Harford JP. **Epidemiol Infect** 1987 Aug;99(1):127–36

Effect of time in lairage on caecal and carcass salmonella contamination of slaughter pigs. Morgan IR, et al. **Epidemiol Infect** 1987 Jun;98(3):323–30

Assessment of an enzyme immunoassay for the detection of salmonellas in foods and animal feeding stuffs. Todd LS, et al. **Epidemiol Infect** 1987 Jun;98(3):301–10

Comparison of procedures based upon Rappaport–Vassiliadis medium with those using Muller–Kauffmann medium

containing Teepol for the isolation of Salmonella sp. Vassiliadis P, et al. **Epidemiol Infect** 1987 Aug;99(1):143–7

Isolation of Salmonella isangi (6, 7, 14:d:l, 5) for the first time in India. Yadava R, et al. **Indian J Med Res** 1986 Jul;84:20–1

Isolation of Salmonella braenderup (6, 7: e, h:e, n, z15) for the first time in India. Sarvamangala Devi JN, et al. **Indian J Med Sci** 1986 Jul;40(7):177–8

S. cerro (18:z4,z23–), a rare serotype isolation from infants with diarrhoea in Ambajogai. Fule RP, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):205–7

Fate of salmonellas and competing flora in meat sample enrichments in buffered peptone water and in Mulier–Kauffmann's tetrathionate medium. Beckers HJ, et al. **J Appl Bacteriol** 1987 Feb;62(2):97–104

Comparative study of different methods for detection and enumeration of Salmonella spp. in natural waters. Moriñigo MA, et al. **J Appl Bacteriol** 1986 Aug;61(2):169–76

Enzyme immunoassay for detection of Salmonella in low–moisture foods: collaborative study. Flowers RS, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):530–5

DNA hybridization assay for detection of Salmonella in foods: collaborative study. Flowers RS, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):521–9

o–Nitrophenyl–beta–D–galactopyranoside–urease–indole broth, a new composite tube medium for Salmonella screening. Berlutti F, et al. **J Clin Microbiol** 1986 Oct; 24(4):650–1

Detection of group D salmonellae in blood culture broth and of soluble antigen by tube agglutination using an O–9 monoclonal antibody latex conjugate. Lim PL, et al. **J Clin Microbiol** 1987 Jul;25(7):1165–8

Rapid automated method for screening of enteric pathogens from stool specimens. Villasante PA, et al. **J Clin Microbiol** 1987 Mar;25(3):584–5

Asymptomatic excretion of Salmonella in health care workers [letter] Galloway A. **J Infect** 1987 May;14(3):279–80

Comparison of six selective media for recovering Salmonella. Lim YS, et al. **Malays J Pathol** 1980 Aug;3:31–3

Chloramphenicol–resistant Salmonella newport traced through hamburger to dairy farms [letter] Ryan CP, et al. **N Engl J Med** 1987 Sep 3;317(10):632

Chloramphenicol–resistant Salmonella newport traced through hamburger to dairy farms. A major persisting source of human salmonellosis in California. Spika JS, et al. **N Engl J Med** 1987 Mar 5;316(10):565–70

Salmonella isolated from rooibos tea. Swanepoel ML. **S Afr Med J** 1987 Mar 21;71(6):369–70

Salmonella in sewage effluent and the relationship to animal and human disease in the north of Scotland. Johnston WS, et al. **Vet Rec** 1986 Aug 30;119(9):201–3

Stability of two forms of Rappaport–Vassiliadis enrichment medium. Mavrommati C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):42–9

[Sensitivity of Salmonellae isolated from poultry to bacteriophage O1] Stefanov M, et al. **Vet Med Nauki** 1987; 24(1):24–7 (Eng. Abstr.) **(Bul)**

[A bacteriological and helminthological investigation on a sewage–irrigated area in Beijing suburb] Cai SW. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):280–2 (Eng. Abstr.) **(Chi)**

[Shigella and Salmonella isolated in Burundi from 1980 to 1985] Petat E, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(2):171–9 (Eng. Abstr.) **(Fre)**

[The dissemination of Salmonella by meat and meat products from swine] Schmidt U. **Tierarztl Prax** 1986;14(4):565–73 (Eng. Abstr.) **(Ger)**

[Salmonella and Yersinia in the sewage of the city of Urbino] Pianetti A, et al. **Nuovi Ann Ig Microbiol** 1985 Jul–Aug; 36(4):279–90 (Eng. Abstr.) **(Ita)**

[Evaluation of the effectiveness of selective–differentiating culture media and their sets used to isolate Shigella and Salmonella] Litinski JI, et al. **Med Dosw Mikrobiol** 1987; 39(1):11–22 (Eng. Abstr.) **(Pol)**

[Isolation and characteristics of the biological and genetic properties of neamin–resistant mutants of Salmonella typhimurium and Salmonella dublin candidates for vaccine creation] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):3–8 (Eng. Abstr.) **(Rus)**

[An improved method for isolation of salmonellae from human feces] Gmajnički B, et al. **Lijec Vjesn** 1986 Oct; 108(10):431–3 (Eng. Abstr.) **(Scr)**

[Different culture media used for the isolation of non–typhi Salmonellae in coprocultures] Vázquez V, et al. **Rev Latinoam Microbiol** 1987 Jan–Mar;29(1):1–4 (Eng. Abstr.) **(Spa)**

METABOLISM

A new hydroxamate siderophore for iron supply of Salmonella. Rabsch W, et al. **Acta Microbiol Hung** 1987; 34(1):85–92

Toxins, putative cell adhesins and fibronectin binding properties of Salmonella dublin. Kristiansen K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Feb; 95(1):57–63

[Use of latex balls labelled by lectins in the demonstration of Salmonella–Schistosoma mansoni receptor sites] Miegeville M, et al. **C R Acad Sci [III]** 1987;305(7):255–8 (Eng. Abstr.) **(Fre)**

[Microcalorimetric study of Salmonella] Allerberger FJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Nov; 262(4):462–73 (Eng. Abstr.) **(Ger)**

PATHOGENICITY

Mechanism of human platelet activation by endotoxic glycolipid–bearing mutant Re595 of Salmonella minnesota. Timmons S, et al. **Blood** 1986 Nov;68(5):1015–23

Quantitative differences in the infectiousness and pathogenicity of 187 Salmonella serotypes or species. Müller HE. **Eur J Epidemiol** 1986 Sep;2(3):215–27

Some galE mutants of Salmonella choleraesuis retain virulence. Nnalue NA, et al. **Infect Immun** 1986 Dec; 54(3):635–40

Test of the virulence and live–vaccine efficacy of auxotrophic and galE derivatives of Salmonella choleraesuis. Nnalue NA, et al. **Infect Immun** 1987 Apr;55(4):955–62

[Epizootiological evaluation of the peroral and vaginal infection of sheep with S. abortus ovis] Vodas K. **Vet Med Nauki** 1987;24(4):13–20 (Eng. Abstr.) **(Bul)**

[Biological properties of plasmid–free strains of Salmonella typhimurium and S. dublin] Iakovleva ON, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):6–11 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Inhibition by antibiotics of Rb Salmonella binding to human peripheral blood lymphocytes. Antonaci S, et al. **Immunopharmacology** 1986 Aug;12(1):23–8

SALMONELLA ARIZONAE see under **SALMONELLA**

SALMONELLA ENTERITIDIS

Beneficial effects of a leukotriene antagonist on endotoxin–induced acute hemodynamic alterations. Etemadi AR, et al. **Circ Shock** 1987;22(1):55–63

CLASSIFICATION

[Use of phage typing of Salmonellae in the control of an epidemic in the South Moravian region] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun;36(3):156–60 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Regulation of cell–mediated immunity in mice immunised with Salmonella enteritidis. George A, et al. **J Med Microbiol** 1987 May;23(3):239–46

[Effect against macrophages of purified SPA of S. enteritidis] Uchiya K, et al. **Kansensbogaku Zasshi** 1986 May; 60(5):485–94 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

The in vitro effects of Salmonella enteriditis on urinary stone formation. Sarmina I, et al. **J Urol** 1986 Nov;136(5):1113–6

Investigations of the pathogenicity of Salmonella enteritidis serotype Amsterdam following a naturally occurring infection in rats. Seps SL, et al. **Lab Anim Sci** 1987 Jun; 37(3):326–30

ULTRASTRUCTURE

Purification and characterization of fimbriae from Salmonella enteritidis. Feutrier J, et al. **J Bacteriol** 1986 Oct; 168(1):221–7

SALMONELLA FOOD POISONING

DIAGNOSIS

[Appendicitis in Salmonella enteritidis food poisoning] Kleba T. **Pol Tyg Lek** 1986 Oct 6;41(40):1279–80 (Eng. Abstr.) **(Pol)**

[Early differential diagnosis of salmonellosis Haifa and acute dysentery] Shitov IA, et al. **Klin Med (Mosk)** 1986 Nov; 64(11):48–51 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effectiveness of digestal in the complex treatment of food poisoning and acute dysentery] Kaluzhina TI, et al. **Klin Med (Mosk)** 1987 Apr;65(4):108–11 **(Rus)**

ETIOLOGY

The carrier food–handler and non–typhoid salmonellosis. Cruickshank JG, et al. **Epidemiol Infect** 1987 Jun; 98(3):223–30

Food handlers and salmonella food poisoning [editorial] **Lancet** 1987 Sep 12;2(8559):606–7

[Food of animal origin that is potentially infected and in danger of becoming infected by contact. (Food hygiene consequences by the example of the occurrence of Salmonella in meat of slaughtered animals and of hepatitis A viruses in mussels)] Ozari R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(2–3):234–9 (Eng. Abstr.) **(Ger)**

METABOLISM

[Water–electrolyte balance and plasma corticosteroid level in patients with food poisoning and salmonellosis] Pak SG, et al. **Ter Arkh** 1987;59(2):129–32 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Laboratory studies on salmonella–contaminated cheese involved in a major outbreak of gastroenteritis. Ratnam S, et al. **J Appl Bacteriol** 1986 Jul;61(1):51–6

A molecular study of Salmonella strains identified from two food–poisoning outbreaks. Nastasi A, et al. **Microbiologica** 1987 Jul;10(3):265–9

Food poisoning outbreak in Ibadan, Nigeria, due to a new phage type of Salmonella typhimurium. Ojeniyi AA, et al. **Scand J Infect Dis** 1986;18(6):551–2

[Use of the plasmid profile in the study of epidemic digestive toxic infections] Cobeljić M, et al. **Vojnosanit Pregl** 1986 Sep–Oct;43(5):335–9 (Eng. Abstr.) **(Scr)**

OCCURRENCE

Salmonellosis outbreak on transatlantic flights; foodborne illness on aircraft: 1947–1984. Tauxe RV, et al. **Am J Epidemiol** 1987 Jan;125(1):150–7

Salmonella nima in British Columbia. **Can Med Assoc J** 1986 Dec 1;135(11):1286

Communicable disease report. October to December 1985. Prepared by the PHLS Communicable Disease Surveillance Centre and the Communicable Diseases (Scotland) Unit. **Community Med** 1986 Aug;8(3):245–51

Food poisoning in a hospital staff canteen. White PM. **J Infect** 1986 Sep;13(2):195–8

Salmonellosis in a school system—Oklahoma. **MMWR** 1987 Feb 13;36(5):74–5

Salmonella infection in the community. Dunlop JM. **Public Health** 1985 Mar;99(2):79–84

[A small outbreak of salmonellosis caused by Bologna sausage] van Netten P, et al. **Tijdschr Diergeneeskd** 1986 Dec 15;111(24):1271–5 (Eng. Abstr.) **(Dut)**

PREVENTION & CONTROL

[Salmonellosis and salmonella excretion—a challenge for meat hygiene] Stolle FA. **DTW** 1986 Nov 21; 93(10):495–501 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Chloramphenicol–resistant Salmonella newport traced through hamburger to dairy farms. A major persisting source of human salmonellosis in California. Spika JS, et al. **N Engl J Med** 1987 Mar 5;316(10):565–70

SALMONELLA HIRSCHFELDII see under **SALMONELLA**

SALMONELLA INFECTIONS

Salmonella perinephric abscess. Rigg KM, et al. **Br J Hosp Med** 1986 Oct;36(4):284–5

Salmonella meningitis: report of five cases. Chaudhary U, et al. **Indian J Pediatr** 1986 May–Jun;53(3):419–22

Gram–negative bacterial infection of aortic aneurysms. McNamara MF, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):453–5

Salmonella cholerasuis infections in childhood. Ascher DP. **Milit Med** 1987 Jul;152(7):376–7

Nontyphoid salmonellosis in patients with total hip replacement: report of four cases and review of the literature. Samra Y, et al. **Rev Infect Dis** 1986 Nov–Dec; 8(6):978–83 (32 ref.)

[Three successive cases of salmonella meningitis in Gabon] Flocard F, et al. **Med Trop (Mars)** 1986 Oct–Dec; 46(4):397–9 (Eng. Abstr.) **(Fre)**

[Pulmonary infiltrates of non–typhoid Salmonella (letter)] Taviot B, et al. **Presse Med** 1987 Jan 24;16(2):82–3 **(Fre)**

[Rare pathogens of skeletal infections and their relationship to special patient groups] Terrier B, et al. **Schweiz Rundsch Med Prax** 1987 May 5;76(19):519–23 (Eng. Abstr.) **(Ger)**

[Reactive pericarditis associated with Salmonella gastroenteritis (letter)] Falguera M, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):519–20 **(Spa)**

[Salmonella choleraesuis bacteremia. Apropos of a case (letter)] Ibáñez Rodríguez D, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):521–2 **(Spa)**

[Bacteremia caused by Salmonella enteritidis (letter)] Torné Cachot J, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):566 **(Spa)**

[Toxic megacolon caused by Salmonella enteritidis (letter)] Simón MA, et al. **Rev Esp Enferm Apar Dig** 1987 Jul; 72(1):88–9 **(Spa)**

COMPLICATIONS

Mycotic femoral artery aneurysm due to Salmonella oranienburg. A case report. Mjaaset B, et al. **Acta Chir Scand** 1986 Dec;152:767–8

Systemic salmonellosis in patients with disseminated histoplasmosis. Case for 'macrophage blockade' caused by Histoplasma capsulatum. Wheat LJ, et al. **Arch Intern Med** 1987 Mar;147(3):561–4

Computed tomography and ultrasound diagnosis of mycotic aneurysm of the abdominal aorta due to Salmonella. Wilde CC, et al. **Clin Radiol** 1987 May;38(3):325–6

Recurrent Salmonella typhimurium bacteremia in a hemophiliac B patient with ARC: prognostic index of evolution toward AIDS [letter] Ortona L, et al.

Haematologica (Pavia) 1987 Mar-Apr;72(2):189-90

Reactive arthropathy (Reiter's syndrome) after salmonellosis: report of two cases and review of the literature. Thomas MF, et al. **J Am Osteopath Assoc** 1986 Aug;86(8):504-7

Relapsing fever and salmonella bacteraemia simultaneously affecting a healthy young man [letter] Shaked Y, et al. **J Infect** 1986 Nov;13(3):308-9

Congestive heart failure complicating Salmonella virchow septicaemia [letter] Taha A, et al. **J Infect** 1987 Jan; 14(1):85-6

Plasmodium falciparum malaria and Salmonella infections in Gambian children. Mabey DC, et al. **J Infect Dis** 1987 Jun;155(6):1319-21

An unusual case of duodenocolic fistula. Ross WB. **J R Coll Surg Edinb** 1986 Dec;31(6):375-6

Abdominal aortitis and infected aneurysms due to salmonella. Ljungberg B, et al. **Scand J Infect Dis** 1986;18(5):401-6

[Subdiaphragmatic abscess caused by Salmonella] Paskalev G, et al. **Khirurgiia (Sofiia)** 1987;40(1):55-7 **(Bul)**

[Toxic megacolon caused by Salmonella typhimurium infection] Thind P, et al. **Ugeskr Laeger** 1987 Apr 13; 149(16):1069-70 (Eng. Abstr.) **(Dan)**

[Neonatal bilateral renal venous thrombosis and Salmonella ibadan infection. Cure with thrombolytic agents] Velin P, et al. **Arch Fr Pediatr** 1987 Apr;44(4):287-9 (Eng. Abstr.) **(Fre)**

[Salmonella bacteremia and generalized cryptococcosis, a double indicator of African AIDS] Rogerie F, et al. **Med Trop (Mars)** 1987 Apr-Jun;47(2):185-8 (Eng. Abstr.) **(Fre)**

[Intestinal infections in children caused by a combination of Shigellae, Salmonellae and Escherichiae] Fedianin IuP. **Tr Inst Pastera** 1985;63:126-30 **(Rus)**

[Etiology of the respiratory syndrome in patients with salmonellosis typhimurium] Strelkova MR, et al. **Tr Inst Pastera** 1985;63:111-6 **(Rus)**

[Bilateral pyosalpinx and osteomyelitis of the femur associated with reactive arthritis in salmonellosis (letter)] González Lahoz JM, et al. **Rev Clin Esp** 1987 Apr; 180(6):342-3 **(Spa)**

[Infected aortic aneurysm--a serious complication in arteriosclerosis] Maller R, et al. **Lakartidningen** 1987 Feb 4;84(6):360-1 **(Swe)**

DIAGNOSIS

CT-guided fine needle aspiration of a periaortic collection. Katz BH, et al. **J Vasc Surg** 1987 May;5(5):762-4

Predictors of persistently positive blood cultures in children with "occult" Salmonella bacteremia.Katz BZ, et al. **Pediatr Infect Dis** 1986 Nov-Dec;5(6):713-4

[Septic disease pictures in Salmonella infections] Allerberger FJ, et al. **Immun Infekt** 1986 Nov;14(6):199-202 (Eng. Abstr.) **(Ger)**

[Invasive forms of non-typhoid salmonelloses] Willemer S, et al. **Internist (Berlin)** 1986 Oct;27(10):677-80 **(Ger)**

[Countercurrent immunoelectrophoresis in the diagnosis of salmonellosis in young children] Budarina NA, et al. **Pediatriia** 1986 Sep;(9):28-30 **(Rus)**

[Clinico-laboratory characteristics of salmonella carrier state] Iarkov AN. **Tr Inst Pastera** 1985;63:120-3 **(Rus)**

[Clinical characteristics of salmonelloses in children] Lukanova LM, et al. **Tr Inst Pastera** 1985;63:116-20 **(Rus)**

DRUG THERAPY

Ceftriaxone treatment of multidrug-resistant Salmonella osteomyelitis. Sherman JW, et al. **Am J Med** 1987 Jul; 83(1):137-8

Salmonella vertebral osteomyelitis treated with cefotaxime. Dolan SA, et al. **Arch Intern Med** 1987 Sep;147(9):1667-8

Ciprofloxacin treatment of recurrent Salmonella typhimurium septicaemia in a patient with acquired immune deficiency syndrome [letter] Connolly MJ, et al. **J Antimicrob Chemother** 1986 Nov;18(5):647-8

Antimicrobial therapy of non-typhi salmonella and Shigella infection. Jewes LA. **J Antimicrob Chemother** 1987 May; 19(5):557-60 (38 ref.)

Salmonella infections of the abdominal aorta cured with prolonged antibiotic treatment. Aguado JM, et al. **J Infect** 1987 Mar;14(2):135-9

Treatment of chronic Salmonella carriers with ciprofloxacin [letter] Sammalkorpi K, et al. **Lancet** 1987 Jul 18; 2(8551):164-5

Treatment of Salmonella meningitis and brain abscess with the new cephalosporins: two case reports and a review of the literature. Kinsella TR, et al. **Pediatr Infect Dis J** 1987 May;6(5):476-80

Infectious drug resistance and antibiotic resistance curing in Salmonella and Shigella isolates from cases of diarrhoea. Adetosoye AI, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(4):433-7

Further data referring to oxolinic acid (Gramurin) treatment of shigellosis, salmonellosis and urinary tract infections. Münnich D, et al. **Ther Hung** 1984;32(4):149-54

[Ciprofloxacin in Salmonella infection and abdominal typhoid] Klein E, et al. **Dtsch Med Wochenschr** 1986 Oct 17;111(42):1599-602 (Eng. Abstr.) **(Ger)**

[Nontyphoid salmonella septicemia] Cohen A, et al. **Harefuah** 1987 Jan 1;112(1):5-7 (Eng. Abstr.) **(Heb)**

[A case of Salmonella prostatitis in a renal transplant patient] Sumii T, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):624-6 (Eng. Abstr.) **(Jpn)**

[Efficacy of antibacterial therapy in salmonellosis typhimurium in children] Strelkova MR, et al. **Tr Inst Pastera** 1985;63:145-52 **(Rus)**

ETIOLOGY

Nontyphoid salmonella urinary tract infections. Eng RH, et al. **Diagn Microbiol Infect Dis** 1987 Mar;6(3):223-8

Salmonella typhimurium infection after colectomy with mucosal proctectomy, a pouch, and ileoanal anastomosis. Løntoft E. **Dis Colon Rectum** 1986 Oct;29(10):671-2

Salmonella vertebral osteomyelitis and epidural abscess in a child with sickle cell anemia. Gardner RV. **Pediatr Emerg Care** 1985 Jun;1(2):87-9

Salmonella subdural empyema in a patient with brain metastasis [letter] Grosinger L, et al. **Rev Infect Dis** 1986 Sep-Oct;8(5):830-1

Fatal Salmonella septicemia after platelet transfusion. Heal JM, et al. **Transfusion** 1987 Jan-Feb;27(1):2-5

Nontyphoid Salmonella infections after renal transplantation. Ocharan-Corcuera J, et al. **Transplantation** 1987 Jul; 44(1):150-1

[Salmonella osteoarthritis in hemophilia A] Ritter J, et al. **Monatsschr Kinderheilkd** 1986 Sep;134(9):701-2 (Eng. Abstr.) **(Ger)**

[Infections caused by Salmonella and acquired immunodeficiency syndrome (letter)] Gaspar Alonso-Vega G, et al. **Med Clin (Barc)** 1987 Jul 4;89(6):258-9 **(Spa)**

[Toxic megacolon caused by typhoid fever] Mur M, et al. **Rev Esp Enferm Apar Dig** 1987 Mar;71(3):254-6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Enhancement of peritoneal macrophage activity by bovine gamma globulin in mice. Di Nardo P, et al. **Experientia** 1986 Dec 1;42(11-12):1259-62

[Circulating immune complexes in salmonellosis] Il'inskiĭ IuA, et al. **Sov Med** 1987;(6):105-7 **(Rus)**

[Indices of humoral immunity in hospital salmonella infections in children less than 1-year-old] Lavrova KV, et al. **Tr Inst Pastera** 1985;63:140-2 **(Rus)**

[Comparative effectiveness of the bacteriologic method and of the direct determination of the O antigen of the causative agent in research on the excretions of patients with salmonellosis due to Salmonella typhimurium] Li VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):21-5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cephalosporin therapy for salmonellosis. Questions of efficacy and cross resistance with ampicillin. Cherubin CE, et al. **Arch Intern Med** 1986 Nov;146(11):2149-52

A comparative study of strains of salmonella isolated from irrigation waters, vegetables and human infections. Garcia-Villanova Ruiz B, et al. **Epidemiol Infect** 1987 Jun; 98(3):271-6

Old and new techniques together resolve a problem of infection by Salmonella typhimurium. Platt DJ, et al. **Epidemiol Infect** 1987 Aug;99(1):137-42

S. cerro (18:z4,z23-), a rare serotype isolation from infants with diarrhoea in Ambajogai. Fule RP, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):205-7

Use of antimicrobial agents in animal feeds: implications for human health. DuPont HL, et al. **Rev Infect Dis** 1987 May-Jun;9(3):447-60 (96 ref.)

Focal salmonella enteritidis infection of urinary tract. Foster RS, et al. **Urology** 1987 Jun;29(6):646-7

[Use of phage typing of Salmonellae in the control of an epidemic in the South Moravian region] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun;36(3):156-60 (Eng. Abstr.) **(Cze)**

[Lysotype changes in multiple drug-resistant plasmids of S. typhimurium strains from hospitals of different countries] Rabsch W, et al. **Z Gesamte Hyg** 1987 May;33(5):264-6 (Eng. Abstr.) **(Ger)**

[Orchitis and epididymitis caused by Salmonella cholerae suis in a premature infant] Handrick W, et al. **Z Urol Nephrol** 1987 Feb;80(2):89-91 (Eng. Abstr.) **(Ger)**

[Evaluation of bacteriologic cure of S. enteritidis infection in children based on 3- and 7-culture methods of feces control] Gorzelakowa Z, et al. **Przegl Epidemiol** 1986; 40(4):416-8 (Eng. Abstr.) **(Pol)**

[Salmonella implicated in current acute diarrheal diseases] Turcu T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):465-8 (Eng. Abstr.) **(Rum)**

[Characteristics of microbial associations represented by the Enterobacteriaceae family isolated from the feces of healthy children and children with salmonellosis] Dombrovskiĭ AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec;(12):38-43 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Pseudoepidemic of salmonellosis in a nursery: importance of isolate serotyping. Baddour LM, et al. **Am J Infect Control** 1987 Apr;15(2):79-80

Control of a non-foodborne outbreak of salmonellosis: day care in isolation. Chorba TL, et al. **Am J Public Health** 1987 Aug;77(8):979-81

Metastatic focal infections due to multiresistant Salmonella typhimurium in children: a 34 month experience in Rwanda. Lepage P, et al. **Eur J Epidemiol** 1986 Jun; 2(2):99-103

Quantitative differences in the infectiousness and pathogenicity of 187 Salmonella serotypes or species. Müller HE. **Eur J Epidemiol** 1986 Sep;2(3):215-27

Detection of enteropathogens in fatal and potentially fatal diarrhea in Cairo, Egypt. Shukry S, et al. **J Clin Microbiol** 1986 Dec;24(6):959-62

Multiresistant Salmonella ohio infections at the University Hospital of the West Indies. Macfarlane DE. **J Trop Med Hyg** 1986 Apr;89(2):67-70

Leads from the MMWR. Update: Salmonella enteritidis infections in the northeastern United States. **JAMA** 1987 May 8;257(18):2408, 2411

Leads from the MMWR. Increasing rate of Salmonella enteritidis infections in the northeastern United States. **JAMA** 1987 Feb 6;257(5):600-1

Update: Salmonella enteritidis infections in the northeastern United States. **MMWR** 1987 Apr 10;36(13):204-5

Salmonellosis at a resort hotel--Puerto Rico. **MMWR** 1986 Dec 12;35(49):766-7

Increasing rate of Salmonella enteritidis infections in the Northeastern United States. **MMWR** 1987 Jan 16; 36(1):10-1

Salmonella in sewage effluent and the relationship to animal and human disease in the north of Scotland. Johnston WS, et al. **Vet Rec** 1986 Aug 30;119(9):201-3

[Salmonella infections in workers at food shops during the period 1979-1985 in the province of Sassari] Ginanneschi R, et al. **Quad Sclavo Diagn** 1986 Sep;22(3):345-9 (Eng. Abstr.) **(Ita)**

[Significance of Salmonella serovars and the biological properties of the causative agents in the epidemic process in salmonelloses] Lebedev NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):24-8 (Eng. Abstr.) **(Rus)**

[Epidemiological monitoring in salmonellosis] Rakitin PA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov; (11):54-6 (Eng. Abstr.) **(Rus)**

[An epidemic of salmonellosis caused by artificial infant food] Varga V, et al. **Cesk Pediatr** 1986 Aug;41(8):466-9 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Infection of cardiac mural thrombus associated with left ventricular aneurysm. Schofield PM, et al. **Eur Heart J** 1986 Dec;7(12):1077-82

[Sudden infant death following Salmonella dublin septicemia] Lenk V, et al. **Beitr Gerichtl Med** 1986;44:227-32 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Extra-intestinal manifestations of salmonella infections. Cohen JI, et al. **Medicine (Baltimore)** 1987 Sep;66(5):349-88

SURGERY

Renal abscess owing to salmonella septicemia: percutaneous drainage. Kaneti J, et al. **J Urol** 1987 Aug;138(2):395-6

Mycotic carotid aneurysm. Grossi RJ, et al. **J Vasc Surg** 1987 Jul;6(1):81-3

[A successful surgical treatment of prosthetic valve endocarditis due to Salmonella species] Irisawa A, et al. **Kyobu Geka** 1987 Feb;40(2):152-8 (Eng. Abstr.) **(Jpn)**

TRANSMISSION

Communicable disease report. April to June 1986. PHLS Communicable Disease Surveillance Centre. **Community Med** 1986 Nov;8(4):356-60

The carrier food-handler and non-typhoid salmonellosis. Cruickshank JG, et al. **Epidemiol Infect** 1987 Jun; 98(3):223-30

Are dog stools an hazard of spreading Salmonella? [letter] Fantasia M, et al. **Eur J Epidemiol** 1986 Dec;2(4):318-9

Salmonella newport infections transmitted by fiberoptic colonoscopy. Dwyer DM, et al. **Gastrointest Endosc** 1987 Apr;33(2):84-7

Protective precautions for the patient with AIDS [letter] Ramirez R, et al. **Infect Control** 1987 Mar;8(3):90, 92

Turtle-associated salmonellosis--Ohio. **MMWR** 1986 Nov 28;35(47):733-4, 739

Transfer of Typhimurium from tigers to a toddler. Rubin BK, et al. **Pediatr Infect Dis** 1986 Sep-Oct;5(5):589-90

[Routes of salmonellosis spread beyond the confines of a swine-breeding farm complex] Okladnikov NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):33-6 (Eng. Abstr.) **(Rus)**

SALMONELLA INFECTIONS, ANIMAL

Transport of ill calves [letter] Jones RM. **Vet Rec** 1987 Jan 24;120(4):96

BLOOD

[Changes in the iron content, erythrocytes and hemoglobin in the blood of poultry with acute experimental fowl typhoid] Kokosharov T, et al. **Vet Med Nauki** 1987; 24(5):70-4 (Eng. Abstr.) **(Bul)**

CLASSIFICATION

Haematogenous osteomyelitis in cattle. Firth EC, et al. **Vet Rec** 1987 Feb 14;120(7):148–52

COMPLICATIONS

Effect of bovine virus diarrhoea–mucosal disease virus infection on salmonella infection in calves. Wray C, et al. **Res Vet Sci** 1987 Mar;42(2):213–8

DRUG THERAPY

The resistance of antimicrobial agents in salmonella from veterinary sources in Australia from 1975 to 1982. Murray CJ, et al. **Aust Vet J** 1986 Sep;63(9):286–92

Effect of ciprofloxacin on intracellular organisms: in-vitro and in-vivo studies. Easmon CS, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:43–8

Salmonella ochiogu: experimental infection of laboratory mice and oxytetracycline therapy. Onyekaba CO, et al. **Lab Anim** 1986 Oct;20(4):325–8

Infectious drug resistance and antibiotic resistance curing in Salmonella and Shigella isolates from cases of diarrhoea. Adetosoye AI, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(4):433–7

Salmonellosis in veal calves. Some therapeutic aspects. Groothuis DG, et al. **Vet Q** 1987 Jan;9(1):91–6

ETIOLOGY

The pathology and pathogenesis of Salmonella stanley infection in experimental chicks. Rao V, et al. **Res Vet Sci** 1987 May;42(3):287–93

[Role of cyclic 3',5'-adenosine monophosphate in the development of Salmonella infection in an experiment] Bolchenko MN, et al. **Biull Eksp Biol Med** 1987 Feb; 103(2):190–2 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Genes within the major histocompatibility complex influence the response to ampicillin therapy and severity of relapse in H-2 congenic, susceptible Itys mice infected with virulent Salmonella typhimurium. Maskell DJ, et al. **J Immunogenet** 1986 Oct–Dec;13(5–6):451–7

IMMUNOLOGY

Experimental study on "the postvaccinal negative phase" in the Salmonella typhimurium infection of the mouse. Dimache Căpăţînă A. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec;45(3–4):233–9

Macrophage defect and inflammatory cell recruitment dysfunction in Salmonella susceptible C3H/HeJ mice. Weinstein DL, et al. **Cell Immunol** 1986 Oct 1;102(1):68–77

Phagocytosis and resistance to Salmonella typhimurium infection in mice fed with lipidic diet. Romano Carratelli C, et al. **Eur J Epidemiol** 1986 Jun;2(2):124–7

An outer membrane protein (porin) as an eliciting antigen for delayed-type hypersensitivity in murine salmonellosis. Udhayakumar V, et al. **Infect Immun** 1987 Mar;55(3):822–4

Electronmicroscopy studies on the opsonic role of antiserum and the subsequent destruction of Salmonellae within murine inflammatory leukocytes. Guo YN, et al. **J Med Microbiol** 1986 Dec;22(4):343–9

Protection against experimental salmonellosis in mice and sheep by immunisation with aromatic-dependent Salmonella typhimurium. Mukkur TK, et al. **J Med Microbiol** 1987 Aug;24(1):11–9

Role of thymus-derived lymphocytes in acquired immunity to salmonellosis in mice. Chander R, et al. **Microbiol Immunol** 1986;30(12):1299–306

Mechanisms of acquired resistance in mouse typhoid. Chander R, et al. **Microbiol Immunol** 1987;31(3):223–30

[Changes in the nonspecific factors of body protection in experimental Salmonella infection] Pokrovskiĭ VI, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):276–8 (Eng. Abstr.) **(Rus)**

METABOLISM

[Lipid peroxidation in salmonellosis] Okonenko LB. **Lab Delo** 1987;(1):55–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of clostridia, salmonellae and coccidia from wild pigeons in Japan. Fukata T, et al. **Br Vet J** 1986 May–Jun; 142(3):291–3

Experimental Salmonella arizonae infection of sheep. Hannam DA, et al. **Br Vet J** 1986 Sep–Oct;142(5):458–66

A survey of drug resistance in salmonellae isolated from animals in England and Wales in 1982 and 1983. Sojka WJ, et al. **Br Vet J** 1986 Jul–Aug;142(4):371–80

Antibiotic resistance profiles and molecular epidemiology of Salmonella typhimurium and S. dublin, mainly from cattle. Jørgensen ST. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:183–8

Possible involvement of endotoxic lipopolysaccharide in diarrhea associated with typhoid fever and non-typhoid salmonellosis [letter] Fumarola D. **J Infect Dis** 1987 Apr; 155(4):832

Natural history of oral Salmonella dublin infection in BALB/c mice: effect of an 80-kilobase-pair plasmid on virulence. Heffernan EJ, et al. **J Infect Dis** 1987 Jun; 155(6):1254–9

Chloramphenicol-resistant Salmonella newport traced through hamburger to dairy farms. A major persisting source of human salmonellosis in California. Spika JS, et al. **N Engl J Med** 1987 Mar 5;316(10):565–70

Invasion of Salmonella typhimurium into the cecal wall of gnotobiotic chickens with Eimeria tenella. Fukata T, et al. **Poult Sci** 1987 Apr;66(4):760–1

Observations on the pathogenesis of experimental Salmonella typhimurium infection in chickens. Barrow PA, et al. **Res Vet Sci** 1987 Mar;42(2):194–9

Consequences on emergence of resistant bacteria from the use of antibacterials in animal husbandry. Little TW, et al. **Scand J Infect Dis [Suppl]** 1986;49:124–8 (25 ref.)

Excretion of S typhimurium from a cow's udder [letter] Giles N, et al. **Vet Rec** 1987 Jan 3;120(1):23

OCCURRENCE

Quantitative differences in the infectiousness and pathogenicity of 187 Salmonella serotypes or species. Müller HE. **Eur J Epidemiol** 1986 Sep;2(3):215–27

Salmonellosis in the marine environment. A review and commentary. Minette HP. **Int J Zoonoses** 1986 Jun; 13(2):71–5 (52 ref.)

Epizootiological studies of Salmonella typhimurium infection in guinea pigs. Iijima OT, et al. **Jikken Dobutsu** 1987 Jan; 36(1):39–49

Investigations of the pathogenicity of Salmonella enteritidis serotype Amsterdam following a naturally occurring infection in rats. Seps SL, et al. **Lab Anim Sci** 1987 Jun; 37(3):326–30

Prevalences of Campylobacter, Yersinia, and Salmonella in cats housed in an animal protection center. Kaneuchi C, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):499–506

Plasmid profile analysis of salmonellae in a large-animal hospital. Rumschlag HS, et al. **Vet Microbiol** 1987 Apr; 13(4):301–11

An analysis of the possible effects of different feed upon the excretion of salmonella bacteria in clinically normal groups of fattening pigs. van Schie FW, et al. **Vet Q** 1987 Apr; 9(2):185–8

Salmonella in sewage effluent and the relationship to animal and human disease in the north of Scotland. Johnston WS, et al. **Vet Rec** 1986 Aug 30;119(9):201–3

Increase in prevalence of a neomycin/kanamycin-sensitive variant of S typhimurium DT204c in cattle in Britain. Threlfall EJ, et al. **Vet Rec** 1987 Apr 11;120(15):366–7

[Incidence of salmonellosis abortion in sheep in Bulgaria 1970–1984] Vodas K, et al. **Vet Med Nauki** 1986;23(5):92–9 (Eng. Abstr.) **(Bul)**

[Intensity of the epizootic process in sheep infected with S. abortus ovis and Chlamydia psittaci var. ovis] Vodas K, et al. **Vet Med Nauki** 1986;23(8):40–6 (Eng. Abstr.) **(Bul)**

[An attempt to create a factorial model of the epizootic process in sheep infected with S. abortus ovis] Vodas K, et al. **Vet Med Nauki** 1986;23(10):48–53 (Eng. Abstr.) **(Bul)**

[The occurrence of bacterial infections in swamp beavers (Myocastor coypus Molina, 1782). I. Salmonella infections] Wendland B, et al. **Arch Exp Veterinarmed** 1987 May; 41(3):420–33 (Eng. Abstr.) **(Ger)**

[Significance of Salmonella serovars and the biological properties of the causative agents in the epidemic process in salmonelloses] Lebedev NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):24–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Salmonella-typhimurium-specific difference in rate of intracellular killing by resident peritoneal macrophages from salmonella-resistant CBA and salmonella-susceptible C57BL/10 mice. van Dissel JT, et al. **J Immunol** 1987 Jun 15;138(12):4428–34

[Experimental Salmonella dublin infection in calves] Masalski N, et al. **Vet Med Nauki** 1987;24(2):3–10 (Eng. Abstr.) **(Bul)**

[Ultrastructural changes in cells of the white pulp of the spleen during experimental salmonella infection] Zufarov KA, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):69–71 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Morphofunctional characteristics of the regulatory systems of the large intestine in salmonellosis] Zufarov KA, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):747–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Conjunctival and intramuscular vaccination of pigs with a live avirulent strain of Salmonella choleraesuis. Kramer TT, et al. **Am J Vet Res** 1987 Jul;48(7):1072–6

Vaccination of calves with a diaminopimelic acid mutant of Salmonella typhimurium. Clarke RC, et al. **Can J Vet Res** 1987 Jan;51(1):32–8

Galactose epimeraseless mutants of Salmonella typhimurium as live vaccines for calves. Clarke RC, et al. **Can J Vet Res** 1986 Apr;50(2):165–73

Protection of C3H/HeJ mice from lethal Salmonella typhimurium LT2 infection by immunization with lipopolysaccharide-lipid A-associated protein complexes. Killion JW, et al. **Infect Immun** 1986 Oct;54(1):1–8

Protective immunity induced by outer membrane proteins of Salmonella typhimurium in mice. Udhayakumar V, et al. **Infect Immun** 1987 Mar;55(3):816–21

A note on the effect of the lactoperoxidase systems on salmonellas in vitro and in vivo. Wray C, et al. **J Appl Bacteriol** 1987 Feb;62(2):115–8

Threat of calf salmonellosis [letter] Curtis PE, et al. **Vet Rec** 1986 Aug 9;119(6):139–40

Serological response of calves to a dead salmonella vaccine and its relation to live weight and performance. Peters AR, et al. **Vet Rec** 1987 Jul 25;121(4):84–5

Further studies on the use of Gal E mutants of Salmonella typhimurium in calves: oral vaccination and toxicity studies. Wray C, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):22–9

[Effect of tuberculin and levamisole on the immune response after vaccinating calves against para-influenza and Salmonella infections] Ivanov IE, et al. **Vet Med Nauki** 1987;24(4):43–9 (Eng. Abstr.) **(Bul)**

THERAPY

Effect of treatment with interferon-gamma and concanavalin A on the course of infection of mice with Salmonella typhimurium strain LT-2. Gould CL, et al. **J Interferon Res** 1987 Jun;7(3):255–60

TRANSMISSION

Salmonellosis in two dairy herds associated with a sewage farm and water reclamation plant. Clegg FG, et al. **J Hyg (Lond)** 1986 Oct;97(2):237–46

Introduction of Salmonellae into a centralized laboratory animal facility by infected day old chicks. Nicklas W. **Lab Anim** 1987 Apr;21(2):161–3

Transfer of Typhimurium from tigers to a toddler. Rubin BK, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):589–90

The influence of dietary protein and antimicrobial feed additives on salmonella carriage by broiler chickens. Hinton M, et al. **Vet Rec** 1986 Nov 15;119(20):495–500

[Potential manifestation of fowl typhoid in chicks fed Salmonella gallinarum-contaminated feed] Giurov B, et al. **Vet Med Nauki** 1987;24(5):33–7 (Eng. Abstr.) **(Bul)**

[Role of rams in the epizootiology of salmonellal abortion in sheep] Vodas K, et al. **Vet Med Nauki** 1986;23(9):61–8 (Eng. Abstr.) **(Bul)**

[Experimental infection with Salmonella abortus ovis in rams] Sanchis R, et al. **Ann Rech Vet** 1986;17(4):387–93 (Eng. Abstr.) **(Fre)**

[Routes of salmonellosis spread beyond the confines of a swine-breeding farm complex] Okladnikov NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):33–6 (Eng. Abstr.) **(Rus)**

SALMONELLA PARATYPHI see **SALMONELLA PARATYPHI A**

SALMONELLA PARATYPHI A

DRUG EFFECTS

"Multiple drug resistance in Salmonellae isolated at Shimla". Singh P, et al. **Indian J Med Sci** 1987 Feb;41(2):34–6

In vitro activity of ofloxacin against 210 clinical isolates of typhoid salmonellae. Hannan A. **Infection** 1986;14 Suppl 4:S243–4

[Sensitivity to antibiotics of Salmonella typhi and paratyphi strains isolated in Algeria 1979–1984] Zoukh K. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):608–10 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Gas chromatographic detection of bacteria causing enteric fever. Manja KS, et al. **J Chromatogr** 1987 Apr 10; 415(2):377–82

Evaluation of blood clot cultures for isolation of Salmonella typhi, Salmonella paratyphi-A, and Brucella melitensis. Escamilla J, et al. **J Clin Microbiol** 1986 Sep;24(3):388–90

[Prevalence of lysotype No. 3 of Salmonella paratyphi A in Peru] Vieu JF, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):301–5 (Eng. Abstr.) **(Fre)**

SALMONELLA PHAGES

ANALYSIS

[DNA structure in the particles of 5 bacteriophages from the data of circular dichroism] Karasev AV, et al. **Mol Gen Mikrobiol Virusol** 1985 Sep;(9):15–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Identification of the 9-aminoacridine/DNA complex responsible for photodynamic inactivation of P22. Loechler EL, et al. **Biochemistry** 1986 Oct 7;25(20):5858–64

ENZYMOLOGY

Mutational analysis of protein folding pathways: the P22 tailspike endorhamnosidase. King J, et al. **Methods Enzymol** 1986;131:250–66

GENETICS

15N-labeled P22 c2 repressor for nuclear magnetic resonance studies of protein-DNA interactions. Senn H, et al. **Eur Biophys J** 1987;14(5):301-6

Tn1000 insertional mutagenesis of cloned repressor gene of the phage L: plasmid oligomerization in the presence of F'lac. Karlovský P, et al. **Folia Microbiol (Praha)** 1987; 32(3):185-93

Integration of transposon Tn10 into phage L (Salmonella typhimurium). Spanová A, et al. **Folia Microbiol (Praha)** 1986;31(5):353-62

Plasmids allowing transcription of cloned DNA by Salmonella typhimurium phage SP6 RNA polymerase to produce RNAs with authentic 5'-terminal sequences. Nam HG, et al. **Gene** 1986;46(1):57-64

Genomic structure of phage F22, a hybrid between serologically and morphologically unrelated Salmonella typhimurium bacteriophages P22 and Fels 2. Yamamoto N, et al. **Genet Res** 1986 Dec;48(3):139-43

General selection for specific DNA-binding activities. Benson N, et al. **Genetics** 1986 Sep;114(1):1-14

A quantitative model for nonrandom generalized transduction, applied to the phage P22-Salmonella typhimurium system. Mandecki W, et al. **Genetics** 1986 Oct; 114(2):633-57

Lysogenic conversion of Salmonella typhimurium bacteriophages A3 and A4 consists of O-acetylation of rhamnose of the repeating unit of the O-antigenic polysaccharide chain. Wollin R, et al. **J Bacteriol** 1987 Mar; 169(3):1003-9

Characterization of SE1, a new general transducing phage of Salmonella typhimurium. Llagostera M, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1035-41

Localization of a DNA-binding determinant in the bacteriophage P22 Erf protein. Murphy KC, et al. **J Mol Biol** 1987 Mar 5;194(1):105-17

Bacteriophage P22 gene 23 product acts preferentially in cis. Riggs PD, et al. **J Virol** 1987 Jul;61(7):2316-8

A general method for isolation of Mu d1-8(Aprlac) operon fusions in Salmonella typhimurium LT2 from Tn10 insertion strains: chlC::Mu d1-8. Kwan HS, et al. **MGG** 1986 Nov;205(2):221-4

Selection of bacterial pac sites recognized by Salmonella phage P22. Vogel W, et al. **MGG** 1986 Dec;205(3):563-7

Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase. Kotani H, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2653-64

IMMUNOLOGY

[Sensitivity of Salmonellae isolated from poultry to bacteriophage O1] Stefanov M, et al. **Vet Med Nauki** 1987; 24(1):24-7 (Eng. Abstr.) **(Bul)**

METABOLISM

A spontaneously produced lipopolysaccharide biosynthetic defect which causes both pleiotropic phage resistance and mucoid colony morphology in Salmonella anatum. McConnell MR, et al. **Microbios** 1986;48(196-197):135-58

PHYSIOLOGY

Initiation of bacteriophage P22 DNA packaging series. Analysis of a mutant that alters the DNA target specificity of the packaging apparatus. Casjens S, et al. **J Mol Biol** 1987 Apr 5;194(3):411-22

[Prevalence of lysotype No. 3 of Salmonella paratyphi A in Peru] Vieu JF, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(3):301-5 (Eng. Abstr.) **(Fre)**

SALMONELLA SCHOTTMUELLERI see under **SALMONELLA**

SALMONELLA TYPHI

Reinfection with a different Vi-phage type of Salmonella typhi in an endemic area [letter] Islam A, et al. **J Infect Dis** 1987 Jan;155(1):155-6

[Effect of gram-negative endotoxin (E-) on hepatocytes] Fluture V, et al. **Rev Chir [Chir]** 1986 Jul-Aug; 35(4):295-302 (Eng. Abstr.) **(Rum)**

CLASSIFICATION

Reinfection with a different Vi-phage type of Salmonella typhi in an endemic area [letter] Islam A, et al. **J Infect Dis** 1987 Jan;155(1):155-6

DRUG EFFECTS

"Multiple drug resistance in Salmonellae isolated at Shimla". Singh P, et al. **Indian J Med Sci** 1987 Feb;41(2):34-6

In vitro activity of ofloxacin against 210 clinical isolates of typhoid salmonellae. Hannan A. **Infection** 1986;14 Suppl 4:S243-4

Bacteremia caused by a lactose-fermenting, multiply resistant Salmonella typhi strain in a patient recovering from typhoid fever. Cohen SL, et al. **J Clin Microbiol** 1987 Aug; 25(8):1516-8

Sulfonamide and trimethoprim resistance in Salmonella typhi [letter] Goldstein FW, et al. **J Clin Microbiol** 1987 Jul; 25(7):1344-6

Membrane filtration method for the evaluation of quaternary ammonium disinfectants. Prickett JM, et al. **Lab Pract** 1972 Jun;21(6):425-8

Chloramphenicol-resistant Salmonella typhi in Durban, South Africa. Coovadia YM, et al. **Trop Geogr Med** 1987 Jan;39(1):64-6

[Sensitivity to antibiotics of Salmonella typhi and paratyphi strains isolated in Algeria 1979-1984] Zoukh K. **Pathol Biol (Paris)** 1986 Jun;34(5 Pt 2):608-10 (Eng. Abstr.) **(Fre)**

[Sensitivity to chlorine-containing disinfectants of Salmonella typhi strains with transmissible drug resistance] Karmanova GI, et al. **Antibiot Med Biotekhnol** 1987 Feb;32(2):137-9 (Eng. Abstr.) **(Rus)**

GENETICS

Molecular characterization of a conjugative R-lac plasmid in Salmonella typhi isolated from a patient with typhoid fever. Ezaki T, et al. **Ann Inst Pasteur Microbiol** 1987 May-Jun;138(3):303-11

Salmonella typhi 205aTy, a strain with two attenuating auxotrophic characters, for use in laboratory teaching. Brown RF, et al. **Infect Immun** 1987 Apr;55(4):892-8

Genetic characteristics of the Salmonella typhi strain Ty21a vaccine [letter] [published erratum appears in J Infect Dis 1987 Aug;156(2):421] Silva BA, et al. **J Infect Dis** 1987 May;155(5):1077-8

Isolation of stable aroA mutants of Salmonella typhi Ty2: properties and preliminary characterisation in mice. Dougan G, et al. **MGG** 1987 May;207(2-3):402-5

GROWTH & DEVELOPMENT

An ultrastructural study of HeLa cell invasion with Salmonella typhi GIFU 10007. Yokoyama H, et al. **Microbiol Immunol** 1987;31(1):1-11

[Growth responses of Salmonella typhi in the presence of antibiotics, bile acid and Escherichia coli] Kato S. **Nippon Ika Daigaku Zasshi** 1986 Aug;53(4):375-87 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

The enhancing effect of exercise on the production of antibody to Salmonella typhi in mice. Liu YG, et al. **Immunol Lett** 1987 Jan;14(2):117-20

Safety, infectivity, immunogenicity, and in vivo stability of two attenuated auxotrophic mutant strains of Salmonella typhi, 541Ty and 543Ty, as live oral vaccines in humans. Levine MM, et al. **J Clin Invest** 1987 Mar;79(3):888-902

Enzyme-linked immunosorbent assay for detection of Salmonella typhi protein antigen. Appassakij H, et al. **J Clin Microbiol** 1987 Feb;25(2):273-7

Systemic and intestinal immunities after natural typhoid infection. Sarasombath S, et al. **J Clin Microbiol** 1987 Jun; 25(6):1088-93

Production of Vi monoclonal antibodies and their application as diagnostic reagents. Tsang RS, et al. **J Clin Microbiol** 1987 Mar;25(3):531-5

Prevention of shigellosis by a Salmonella typhi-Shigella sonnei bivalent vaccine. Black RE, et al. **J Infect Dis** 1987 Jun;155(6):1260-5

Role of the Vi antigen of Salmonella typhi in resistance to host defense in vitro. Looney RJ, et al. **J Lab Clin Med** 1986 Nov;108(5):506-16

Detection of Salmonella typhi 'O' antigen by counter-immuno-electrophoresis. Vadher PJ, et al. **J Postgrad Med** 1987 Jan;33(1):14-7

Typhoid vaccines [letter] Benčić Z. **Lancet** 1987 Sep 19; 2(8560):682-3

[Effect of PHA on immune response of rabbits to S. typhoid "O" antigen]Zhang TH, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Jun;18(2):122-4 (Eng. Abstr.) **(Chi)**

[Changes in the sorption of the antigens of the causative agent of typhoid on erythrocytes in the dynamic immune response] Kravtsov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):75-8 (Eng. Abstr.) **(Rus)**

[Dependence of the intensity of the immune response on the characteristics of the formation of a Salmonella typhi antigen depot on erythrocytes] Kravtsov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):60-3 (Eng. Abstr.) **(Rus)**

[Mitogenic action of bacterial T-independent antigens under various conditions of lymphocyte culture] Surgal' VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):76-80 (Eng. Abstr.) **(Rus)**

[Comparative serology in typhoid fever in children] Alvarado-Alemán FJ, et al. **Bol Med Hosp Infant Mex** 1987 May;44(5):254-9 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Isolation of Salmonella typhi from brain tumor--a case report. Sharma S, et al. **Indian J Med Sci** 1986 Sep; 40(9):233-5

Gas chromatographic detection of bacteria causing enteric fever. Manja KS, et al. **J Chromatogr** 1987 Apr 10; 415(2):377-82

Evaluation of blood clot cultures for isolation of Salmonella typhi, Salmonella paratyphi-A, and Brucella melitensis. Escamilla J, et al. **J Clin Microbiol** 1986 Sep;24(3):388-90

Detection of group D salmonellae in blood culture broth and of soluble antigen by tube agglutination using an O-9 monoclonal antibody latex conjugate. Lim PL, et al. **J Clin Microbiol** 1987 Jul;25(7):1165-8

Persistent gallbladder carriage of Salmonella typhi [letter] Sinnott CR, et al. **Lancet** 1987 Apr 25;1(8539):976

[Detection of microbial variants of Salmonella typhi in the bone marrow of typhoid patients and carriers] Prozorovskiĭ SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):15-7 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Inactivated Saccharomyces cerevisiae as virulence-enhancing agent in the toxicity test of Salmonella typhi and the immunity assay of typhoid vaccine in mice. Lu CH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):37-45

Cytopathogenic effect of Salmonella typhi GIFU 10007 on M cells of murine ileal Peyer's patches in ligated ileal loops: an ultrastructural study. Kohbata S, et al. **Microbiol Immunol** 1986;30(12):1225-37

Invasiveness of Salmonella typhi strains in HeLa S3 monolayer cells. Yabuuchi E, et al. **Microbiol Immunol** 1986;30(12):1213-24

[The function of Salmonella typhi at different stages in the pathogenesis of typhoid infection] Obgol'ts AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jun;(6):66-71 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Ultrastructural study of intestinal bacteria grown on Endo- and Levine-type nutrient media based on nonfood raw materials] Pivovarova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):27-9 (Eng. Abstr.) **(Rus)**

SALMONELLA TYPHIMURIUM

The effect of a bacterial endotoxin or cloprostenol on the clinical status and hormonal levels in 80-100 days pregnant gilts. Cort N, et al. **Acta Vet Scand** 1986;27(2):145-58

Expression of class II antigen in endotoxin induced uveitis. Kim MK, et al. **Curr Eye Res** 1986 Nov;5(11):869-76

Reversible binding of Salmonella typhimurium lipopolysaccharides by immobilized protamine. Helander IM, et al. **Eur J Biochem** 1987 Feb 16;163(1):51-5

Evaluation of immuno-dot-blot assay for detection of cholera-related enterotoxin antigen in Salmonella typhimurium. Panigrahi D, et al. **J Clin Microbiol** 1987 Apr;25(4):702-5

Effect of Salmonella typhimurium porins on the cardiovascular and renal apparatus. Galdiero F, et al. **J Med Clin Exp Theor** 1986;17(5-6):285-97

Stimulation of macrophages and antitumor activity of radiodetoxified endotoxin. Nerkar DP, et al. **Microbiol Immunol** 1986;30(9):893-901

Determination of endotoxins on hypodermic needles by means of a chromogenic Limulus amoebocyte lysate assay. Development of a test model. Vanhaecke E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Oct; 182(5-6):537-50

ANALYSIS

Purification and characterization of the CheZ protein of bacterial chemotaxis. Stock AM, et al. **J Bacteriol** 1987 Jul;169(7):3301-11

Purification of the cysB protein from Salmonella typhimurium. Miller BE, et al. **J Biol Chem** 1987 May 5; 262(13):6006-9

CLASSIFICATION

A protocol for the combined biochemical and serological identification of the Ames mutagen tester strains as Salmonella typhimurium. Busch DB, et al. **Environ Mutagen** 1986;8(5):741-51

Identification of the Ames mutagen tester strains as Salmonella typhimurium [letter] Hartman PE. **Environ Mutagen** 1987;9(3):233-4

Old and new techniques together resolve a problem of infection by Salmonella typhimurium. Platt DJ, et al. **Epidemiol Infect** 1987 Aug;99(1):137-42

Sewage as a source of phages for typing strains of Salmonella typhimurium isolated in India. Adlakha S, et al. **Indian J Med Res** 1986 Jul;84:1-6

Isolation & selection of lysogenic phages for characterization of untypable strains of Salmonella typhimurium isolated in India. Adlakha S, et al. **Indian J Med Res** 1986 Jul; 84:7-13

A new phage typing scheme for strains of Salmonella typhimurium isolated in India. Adlakha S, et al. **Indian J Med Res** 1986 Jul;84:14-9

[Use of phage typing of Salmonellae in the control of an epidemic in the South Moravian region] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun;36(3):156-60 (Eng. Abstr.) **(Cze)**

[Significance of Salmonella serovars and the biological properties of the causative agents in the epidemic process in salmonelloses] Lebedev NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):24-8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Verapamil modulates mutagenicity of antitumour acridines in bacteria and yeast. Baguley BC, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4581–4

Mutagenicity of thionitrites in the Ames test. The biological activity of thiyl free radicals. Carter MH, et al. **Biochem Pharmacol** 1986 Nov 1;35(21):3847–51

Relationship between cytostatic activity of oxazolopyridocarbazoles and accessibility of DNA intercalation sites in living bacteria. Banoun H, et al. **Biochemistry** 1986 Nov 4;25(22):6884–9

Mutagenicity of nifurtimox and benznidazole in the Salmonella/microsome assay. Ferreira RC, et al. **Braz J Med Biol Res** 1986;19(1):19–25

Synthesis and enantioselective mutagenicity of azidoalanine in Salmonella typhimurium. Mangold JB, et al. **Chem Biol Interact** 1986 Nov;60(2):183–90

Genetic and physiological modulation of anthracycline–induced mutagenesis in Salmonella typhimurium. Cebula TA. **Environ Mutagen** 1986; 8(5):675–92

Mutagenicity and toxicity studies of several alpha,beta–unsaturated aldehydes in the Salmonella typhimurium mutagenicity assay. Cooper KO, et al. **Environ Mutagen** 1987;9(3):289–95

Coffee is highly mutagenic in the L–arabinose resistance test in Salmonella typhimurium. Dorado G, et al. **Environ Mutagen** 1987;9(3):251–60

Evaluation of Pluronic Polyol F127 as a vehicle for petroleum hydrocarbons in the Salmonella/microsomal assay. Marino DJ. **Environ Mutagen** 1987;9(3):307–16

Disubstituted amino–, nitroso–, and nitrofluorenes: a physicochemical basis for structure–activity relationships in Salmonella typhimurium. Vance WA, et al. **Environ Mutagen** 1987;9(2):123–41

R–factor–mediated multidrug resistance in Salmonella typhimurium isolates [letter] Gebre–Yohannes A, et al. **Ethiop Med J** 1987 Jan;25(1):53–4

The role of cyclic nucleic acid adducts in the mutational specificity of malondialdehyde and beta–substituted acroleins in Salmonella. Marnett LJ, et al. **IARC Sci Publ** 1986;(70):175–83

"Multiple drug resistance in Salmonellae isolated at Shimla". Singh P, et al. **Indian J Med Sci** 1987 Feb;41(2):34–6

Antimutagenic properties of lactic acid–cultured milk on chemical and fecal mutagens. Hosono A, et al. **J Dairy Sci** 1986 Sep;69(9):2237–42

Evaluation of dairy and food plant sanitizers against Salmonella typhimurium and Listeria monocytogenes. Lopes JA. **J Dairy Sci** 1986 Nov;69(11):2791–6

Screening pesticides for their ability to damage bacterial DNA. Rashid KA, et al. **J Environ Sci Health [B]** 1986 Aug;21(4):319–34

Characterization of plasmids conferring resistance to gentamicin and apramycin in strains of Salmonella typhimurium phage type 204c isolated in Britain. Threlfall EJ, et al. **J Hyg (Lond)** 1986 Dec;97(3):419–26

Effects of plant–derived flavonoids and polyphenolic acids on the activity of mutagens from cooked food. Alldrick AJ, et al. **Mutat Res** 1986 Dec;163(3):225–32

Investigation of the mutagenic activity of tobacco smoke. Balansky RM, et al. **Mutat Res** 1987 May;188(1):13–9

Mutagenicity studies of alpha, alpha'–dihalomethylbenzenes, alpha–methylbenzyl halides, and 1–chloromethylpyrene in the Ames assay. Ball JC, et al. **Mutat Res** 1987 Jun; 191(2):79–84

Modifying role of dietary factors on the mutagenicity of aflatoxin B1: in vitro effect of vitamins. Bhattacharya RK, et al. **Mutat Res** 1987 Jun;188(2):121–8

Assessment of the uptake and mutagenicity of nickel chloride in salmonella tester strains. Biggart NW, et al. **Mutat Res** 1986 Dec;175(4):209–15

International Commission for Protection against Environmental Mutagens and Carcinogens. Prediction of mammalian germ cell mutagenicity by the Salmonella assay. Bridges BA. **Mutat Res** 1987 May;185(3):319

Comparative mutagenicity of aliphatic epoxides in Salmonella. Canter DA, et al. **Mutat Res** 1986 Nov; 172(2):105–38

Comparative mutagenicity of halogenated pyridines in the Salmonella typhimurium/mammalian microsome test. Claxton LD, et a. **Mutat Res** 1987 Feb;176(2):185–98

Effects of the antimutagen cinnamaldehyde on reversion and survival of selected Salmonella tester strains. de Silva HV, et al. **Mutat Res** 1987 Jan;187(1):11–9

Selective mutagenic activity of 2–bromo–propanamides on Salmonella typhimurium. A structure–activity study. Dolzani L, et al. **Mutat Res** 1986 Oct;172(1):29–36

Enhanced mutagenicity of 2–nitropropane nitronate with respect to 2–nitropropane—possible involvement of free radical species. Fiala ES, et al. **Mutat Res** 1987 Jul; 179(1):15–22

Binary mixtures containing isomers of nitrobenzo[a]pyrene induce greater–than–additive mutational responses in Salmonella typhimurium. I. Analysis by the total concentration–proportional mixture model. Hass BS, et al. **Mutat Res** 1987 Apr;190(4):247–52

Mutagenic reactivities of 3,4–dinitrobiphenyl derivatives. Hirayama T, et al. **Mutat Res** 1987 Jun;191(2):73–8

Relationship between mutagenic potency in Salmonella typhimurium strains and the chemical structure of nitro biphenyls. Hirayama T, et al. **Mutat Res** 1986 Nov; 163(2):101–7

Comparative genotoxic effects of IQ and MeIQ in Salmonella typhimurium and cultured mammalian cells. Holme JA, et al. **Mutat Res** 1987 Apr;187(4):181–90

Absence of mutagenic activity of benorylate, paracetamol and aspirin in the Salmonella/mammalian microsome test. Jasiewicz ML, et al. **Mutat Res** 1987 Feb;190(2):95–100

Mutagenicity of halogenated and other substituted dinitrobenzenes in Salmonella typhimurium TA100 and derivatives deficient in glutathione (TA100/GSH–) and nitroreductase (TA100NR). Kerklaan PR, et al. **Mutat Res** 1987 Feb;176(2):171–8

Formation of a highly mutagenic diazo compound from the bamethan–nitrite reaction. Kikugawa K, et al. **Mutat Res** 1987 Mar;177(1):35–43

Desmutagenic effect of alpha–dicarbonyl and alpha–hydroxycarbonyl compounds against mutagenic heterocyclic amines. Kim SB, et al. **Mutat Res** 1987 Mar; 177(1):9–15

Rhodium(III) complexes as genotoxic agents: photochemical effects and their implications. LaVelle JM, et al. **Mutat Res** 1986 Dec;172(3):211–22

Structure–activity relationships of the azide metabolite, azidoalanine, in S. typhimurium. LaVelle JM, et al. **Mutat Res** 1987 Mar;177(1):27–33

Mutagenicity of the anticancer drug, caracemide, and related compounds for salmonella. Lee MS, et al. **Mutat Res** 1986 Dec;172(3):199–209

Absence of mutagenic and antimutagenic activities of fluoride in Ames salmonella assays. Li Y, et al. **Mutat Res** 1987 Apr;190(4):229–36

Relative mutagenic and prophage–inducing effects of mono– and di–alkyl nitrosoureas. Lijinsky W, et al. **Mutat Res** 1987 Jun;178(2):157–65

Mechanisms of synergism in the mutagenicity of cadmium and N–methyl–N–nitrosourea in Salmonella typhimurium: the effect of pH. Mandel R, et al. **Mutat Res** 1987 Jan; 176(1):1–10

Mutagens formed from butylated hydroxyanisole treated with nitrite under acidic conditions. Mizuno M, et al. **Mutat Res** 1987 Feb;176(2):179–84

Mutagenicity of bithionol sulfoxide and its metabolites in the salmonella/mammalian microsome test. Mourot D, et al. **Mutat Res** 1987 May;188(1):53–5

Dinitrofluoranthene: induction, identification and gene mutation. Nakagawa R, et al. **Mutat Res** 1987 Jun; 191(2):85–91

Structure–activity relationships of the N–methylcarbamate series in Salmonella typhimurium. Narbonne JF, et al. **Mutat Res** 1987 May;191(1):21–7

Mutagenicities of indole and 30 derivatives after nitrite treatment. Ochiai M, et al. **Mutat Res** 1986 Dec; 172(3):189–97

Combined mutagenicity of cobalt(II) salt and heteroaromatic compounds in Salmonella typhimurium. Ogawa HI, et al. **Mutat Res** 1986 Nov;172(2):97–104

Enhancement of the mutagenicity of 2–acetylaminofluorene by flavonoids and the structural requirements. Ogawa S, et al. **Mutat Res** 1987 Feb;190(2):107–12

Conditions affecting the mutagenicity of sodium bisulfite in Salmonella typhimurium. Pagano DA, et al. **Mutat Res** 1987 Aug;179(2):159–66

Selenium inhibition of benzo[a]pyrene, 3–methylcholanthrene, and 3–methylcholanthrylene mutagenicity in Salmonella typhimurium strains TA98 and TA100. Prasanna P, et al. **Mutat Res** 1987 Feb;190(2):101–5

Genotoxic activity of two furan analogues of benzo[a]pyrene and their 2–nitro derivatives. Quillardet P, et al. **Mutat Res** 1986 Dec;172(3):223–30

Mechanism of the desmutagenic effect of humic acid. Sato T, et al. **Mutat Res** 1987 Feb;176(2):199–204

SOS–dependent mutagenic activity of 5–azacytidine in salmonella. Schmuck G, et al. **Mutat Res** 1986 Dec; 175(4):205–8

Genetic effects of 5–hydroxymethyl–2'–deoxyuridine, a product of ionizing radiation. Shirnamé–Moré L, et al. **Mutat Res** 1987 Jun;178(2):177–86

Glutathione mutagenesis in Salmonella typhimurium TA100: dependence on a single enzyme, gamma–glutamyltranspeptidase. Stark AA, et al. **Mutat Res** 1987 Mar;177(1):45–52

Structure–mutagenicity relationship among aminoquinolines, aza–analogues of naphthylamine, and their N–acetyl derivatives. Takahashi K, et al. **Mutat Res** 1987 Apr; 187(4):191–7

Mutagenic activity of chloramines. Thomas EL, et al. **Mutat Res** 1987 May;188(1):35–43

Bacterial assays of complex mixtures and carcinogenicity. Van Duuren BL. **Mutat Res** 1987 May;188(1):63

Computer–assisted structure–activity relationships of nitrogenous cyclic compounds tested in salmonella assays for mutagenicity. Walsh DB, et al. **Mutat Res** 1987 Apr; 182(2):55–64

Suppressed mutagenicity of benzo[a]pyrene by the liver S9 fraction and microsomes from eugenol–treated rats. Yokota H, et al. **Mutat Res** 1986 Dec;172(3):231–6

The mutagenicity of 2–nitrofluoranthene and its in vitro hepatic metabolites. Zielinska B, et al. **Mutat Res** 1987 Apr; 190(4):259–66

Consequences on emergence of resistant bacteria from the use of antibacterials in animal husbandry. Little TW, et al. **Scand J Infect Dis [Suppl]** 1986;49:124–8 (25 ref.)

2–(N–nitroso–N–methylamino)propiophenone, a direct acting bacterial mutagen found in nitrosated Ephedra altissima tea. Tricker AR, et al. **Toxicol Lett** 1987 Sep; 38(1–2):45–50

Intramammary preparations and cephalosporin resistance in S typhimurium [letter] Guard PW, et al. **Vet Rec** 1987 Jun 6;120(23):562–3

Intramammary antibiotic preparations and cephalosporin resistance in Salmonella typhimurium 204c [letter] Jones TO. **Vet Rec** 1987 Apr 18;120(16):399–400

Increase in prevalence of a neomycin/kanamycin–sensitive variant of S typhimurium DT204c in cattle in Britain. Threlfall EJ, et al. **Vet Rec** 1987 Apr 11;120(15):366–7

[Effect of tilorone on the ultrastructure of cytoplasm of Salmonella typhimurium (TA 1537)] Sun JH. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):221–2 (Eng. Abstr.) **(Chi)**

[Evaluation of the mutagenic activity of tributyl phosphate on Salmonella typhimurium] Gafieva ZA, et al. **Gig Sanit** 1986 Sep;(9):81 **(Rus)**

ENZYMOLOGY

Purification, properties and function of N–hydroxyarylamine O–acetyltransferase. Kato R, et al. **Adv Exp Med Biol** 1986; 197:551–61

Demethylation of bacterial chemoreceptors is inhibited by attractant stimuli in the complete absence of the regulatory domain of the demethylating enzyme. Borczuk A, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):918–23

Purification and kinetic properties of pyruvate kinase isoenzymes of Salmonella typhimurium. Garcia–Olalla C, et al. **Biochem J** 1987 Jan 15;241(2):573–81

Beta–elimination of indole from L–tryptophan catalyzed by bacterial tryptophan synthase: a comparison between reactions catalyzed by tryptophanase and tryptophan synthase. Ahmed SA, et al. **Biochemistry** 1986 Jul 29; 25(15):4233–40

A cysteine residue (cysteine–116) in the histidinol binding site of histidinol dehydrogenase. Grubmeyer CT, et al. **Biochemistry** 1986 Aug 26;25(17):4778–84

Bacterial beta–lyase mediated cleavage and mutagenicity of cysteine conjugates derived from the nephrocarcinogenic alkenes trichloroethylene, tetrachloroethylene and hexachlorobutadiene. Dekant W, et al. **Chem Biol Interact** 1986 Oct 15;60(1):31–45

Physiological implications of the specificity of acetohydroxy acid synthase isozymes of enteric bacteria. Barak Z, et al. **J Bacteriol** 1987 Aug;169(8):3750–6

Acetohydroxy acid synthase I is required for isoleucine and valine biosynthesis by Salmonella typhimurium LT2 during growth on acetate or long–chain fatty acids. Dailey FE, et al. **J Bacteriol** 1987 Feb;169(2):917–9

Purification and in vitro complementation of mutant histidinol dehydrogenases. Lee SY, et al. **J Bacteriol** 1987 Sep;169(9):3938–44

Characterization and physiological roles of membrane–bound hydrogenase isoenzymes from Salmonella typhimurium. Sawers RG, et al. **J Bacteriol** 1986 Oct;168(1):398–404

Isolation and characterization of homogeneous acetate kinase from Salmonella typhimurium and Escherichia coli. Fox DK, et al. **J Biol Chem** 1986 Oct 15;261(29):13487–97

Phosphate transfer between acetate kinase and enzyme I of the bacterial phosphotransferase system. Fox DK, et al. **J Biol Chem** 1986 Oct 15;261(29):13498–503

Site–specific mutagenesis of the alpha subunit of tryptophan synthase from Salmonella typhimurium. Changing arginine 179 to leucine alters the reciprocal transmission of substrate–induced conformational changes between the alpha and beta 2 subunits. Kawasaki H, et al. **J Biol Chem** 1987 Aug 5;262(22):10678–83

Limited proteolysis of IIIGlc, a regulatory protein of the phosphoenolpyruvate:glycose phosphotransferase system, by membrane–associated enzymes from Salmonella typhimurium and Escherichia coli. Meadow ND, et al. **J Biol Chem** 1986 Oct 15;261(29):13504–9

Purification and characterization of the S–adenosylmethionine:glutamyl methyltransferase that modifies membrane chemoreceptor proteins in bacteria. Simms SA, et al. **J Biol Chem** 1987 Jun 25;262(18):8537–43

Anthranilate synthase–anthranilate phosphoribosyltransferase complex and subunits of Salmonella typhimurium. Bauerle R, et al. **Methods Enzymol** 1987;142:366–86

Tryptophan synthase from Escherichia coli and Salmonella typhimurium. Miles EW, et al. **Methods Enzymol** 1987; 142:398–414

Catalase has only a minor role in protection against near–ultraviolet radiation damage in bacteria. Eisenstark A, et al. **MGG** 1987 Apr;207(1):68–72

Dependence on Salmonella typhimurium enzymes of mutagenicities of nitrobenzene and its derivatives in the presence of rat–liver S9 and norharman. Suzuki J, et al. **Mutat Res** 1987 Jun;178(2):187–93

N–terminal methionine–specific peptidase in Salmonella typhimurium. Miller CG, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2718–22

On the role of magnesium in the reaction of the pyruvate kinase from Salmonella typhimurium. Garcia–Olalla C, et al. **Z Naturforsch [C]** 1986 Nov–Dec;41(11–12):1018–22

GENETICS

Cloning of cysB mutant alleles of S. typhimurium.

Jagura-Burdzy G, et al. **Acta Biochim Pol** 1987;34(1):35-44

The detection of chemical impurities by high pressure liquid chromatography and the genetic activity of medical grades of pyrvinium pamoate in Saccharomyces cerevisiae and Salmonella typhimurium. Hennig UG, et al. **Arch Toxicol** 1987 Jun;60(4):278-86

Mutagenic activity of incense smoke in Salmonella typhimurium. Rasmussen RE. **Bull Environ Contam Toxicol** 1987 May;38(5):827-33

Effects of excision repair and plasmid pKM101 on mutagenic and cytotoxic potencies of anthracycline derivatives in test strains of Salmonella typhimurium. Thomas HF, et al. **Environ Mutagen** 1986;8(6):797-815

Cloning, nucleotide sequence and expression of the pyrBI operon of Salmonella typhimurium LT2. Michaels G, et al. **Eur J Biochem** 1987 Jul 1;166(1):55-61

Cloning and characterization of the pyrF operon of Salmonella typhimurium. Theisen M, et al. **Eur J Biochem** 1987 May 4;164(3):613-9

Integration of transposon Tn10 into phage L (Salmonella typhimurium). Spanová A, et al. **Folia Microbiol (Praha)** 1986;31(5):353-62

Reconstitution of an operon from overlapping fragments: use of the lambda SV2 integrative cloning system. Gaitanaris GA, et al. **Gene** 1986;46(1):1-11

Sequence of glutamine synthetase from Salmonella typhimurium and implications for the protein structure. Janson CA, et al. **Gene** 1986;46(2-3):297-300

Mutations resulting in promoter-like sequences which enhance the expression of araC in Salmonella typhimurium. Lee JH, et al. **Gene** 1986;46(1):113-21

Plasmids allowing transcription of cloned DNA by Salmonella typhimurium phage SP6 RNA polymerase to produce RNAs with authentic 5'-terminal sequences. Nam HG, et al. **Gene** 1986;46(1):57-64

The metH gene from Salmonella typhimurium LT2: cloning and initial characterization. Urbanowski ML, et al. **Gene** 1986;44(2-3):211-7

Identification and nucleotide sequence of the activator gene of the externally induced phosphoglycerate transport system of Salmonella typhimurium. Yu GQ, et al. **Gene** 1986;45(1):51-7

Genomic structure of phage F22, a hybrid between serologically and morphologically unrelated Salmonella typhimurium bacteriophages P22 and Fels 2. Yamamoto N, et al. **Genet Res** 1986 Dec;48(3):139-43

General selection for specific DNA-binding activities. Benson N, et al. **Genetics** 1986 Sep;114(1):1-14

Regulation of the put operon in Salmonella typhimurium: characterization of promoter and operator mutations. Hahn DR, et al. **Genetics** 1986 Nov;114(3):687-703

A quantitative model for nonrandom generalized transduction, applied to the phage P22-Salmonella typhimurium system. Mandecki W, et al. **Genetics** 1986 Oct; 114(2):633-57

Characterization of genes encoding type 1 fimbriae of Klebsiella pneumoniae, Salmonella typhimurium, and Serratia marcescens. Clegg S, et al. **Infect Immun** 1987 Feb; 55(2):281-7

R plasmids in Salmonella typhimurium in the United Kingdom. Threlfall EJ, et al. **J Antimicrob Chemother** 1986 Oct;18 Suppl C:175-7

Conditional transduction of Salmonella typhimurium envB mutations. Antón DN. **J Bacteriol** 1987 Apr;169(4):1767-71

Accumulation of a murein-membrane attachment site fraction when cell division is blocked in lkyD and cha mutants of Salmonella typhimurium and Escherichia coli. Chakraborti AS, et al. **J Bacteriol** 1986 Dec;168(3):1422-9

Genetic expression of enzyme I activity of the phosphoenolpyruvate:sugar phosphotransferase system in ptsHI deletion strains of Salmonella typhimurium. Chin AM, et al. **J Bacteriol** 1987 Feb;169(2):894-6

Genetic characterization and regulation of the nadB locus of Salmonella typhimurium. Cookson BT, et al. **J Bacteriol** 1987 Sep;169(9):4285-93

Selection of mutations that alter the osmotic control of transcription of the Salmonella typhimurium proU operon. Druger-Liotta J, et al. **J Bacteriol** 1987 Jun;169(6):2449-59

Regulation of cobalamin biosynthetic operons in Salmonella typhimurium. Escalante-Semerena JC, et al. **J Bacteriol** 1987 May;169(5):2251-8

Identification of flagellar hook and basal body gene products (FlaFV, FlaFVI, FlaFVII and FlaFVIII) in Salmonella typhimurium. Homma M, et al. **J Bacteriol** 1987 Aug; 169(8):3617-24

Regions of Salmonella typhimurium flagellin essential for its polymerization and excretion. Homma M, et al. **J Bacteriol** 1987 Jan;169(1):291-6

Cloning and characterization of the cysAMK region of Salmonella typhimurium. Hulanicka MD, et al. **J Bacteriol** 1986 Oct;168(1):322-7

Two genetically distinct pathways for transcriptional regulation of anaerobic gene expression in Salmonella typhimurium. Jamieson DJ, et al. **J Bacteriol** 1986 Oct; 168(1):389-97

Cobalamin (vitamin B12) biosynthetic genes of Salmonella typhimurium. Jeter RM, et al. **J Bacteriol** 1987 Jul; 169(7):3189-98

Genetic analysis in Salmonella typhimurium with a small collection of randomly spaced insertions of transposon Tn10 delta 16 delta 17. Kukral AM, et al. **J Bacteriol** 1987 May;169(5):1787-93

Biosynthesis of bacterial glycogen: primary structure of Salmonella typhimurium ADPglucose synthetase as deduced from the nucleotide sequence of the glgC gene. Leung PS, et al. **J Bacteriol** 1987 Sep;169(9):4355-60

Cloning of the ADPglucose pyrophosphorylase (glgC) and glycogen synthase (glgA) structural genes from Salmonella typhimurium LT2. Leung PS, et al. **J Bacteriol** 1987 Sep; 169(9):4349-54

Isolation and characterization of a substitution mutation in the ompR gene of Salmonella typhimurium LT2. Liljeström P, et al. **J Bacteriol** 1987 Jan;169(1):438-41

An inducible pathway is required for mutagenesis in Salmonella typhimurium LT2. Orrego C, et al. **J Bacteriol** 1987 Jun;169(6):2885-8

Nucleotide sequence of the Salmonella typhimurium metR gene and the metR-metE control region. Plamann LS, et al. **J Bacteriol** 1987 Sep;169(9):3932-7

Gene location affects expression level in Salmonella typhimurium. Schmid MB, et al. **J Bacteriol** 1987 Jun; 169(6):2872-5

Comparison of dnaA nucleotide sequences of Escherichia coli, Salmonella typhimurium, and Serratia marcescens. Skovgaard O, et al. **J Bacteriol** 1987 Sep;169(9):3976-81

Osmotic regulation of transcription: induction of the proU betaine transport gene is dependent on accumulation of intracellular potassium. Sutherland L, et al. **J Bacteriol** 1986 Nov;168(2):805-14

Mutations affecting the regulation of the metB gene of Salmonella typhimurium LT2. Urbanowski ML, et al. **J Bacteriol** 1987 Jan;169(1):126-30

A new methionine locus, metR, that encodes a trans-acting protein required for activation of metE and metH in Escherichia coli and Salmonella typhimurium. Urbanowski ML, et al. **J Bacteriol** 1987 Apr;169(4):1391-7

Characterization of mutant histidine-containing proteins of the phosphoenolpyruvate:sugar phosphotransferase system of Escherichia coli and Salmonella typhimurium. Waygood EB, et al. **J Bacteriol** 1987 Jun;169(6):2810-8

Isolation and characterization of Salmonella typhimurium glyoxylate shunt mutants. Wilson RB, et al. **J Bacteriol** 1987 Jul;169(7):3029-34

Lysogenic conversion of Salmonella typhimurium bacteriophages A3 and A4 consists of O-acetylation of rhamnose of the repeating unit of the O-antigenic polysaccharide chain. Wollin R, et al. **J Bacteriol** 1987 Mar; 169(3):1003-9

Genetic evidence for a switching and energy-transducing complex in the flagellar motor of Salmonella typhimurium. Yamaguchi S, et al. **J Bacteriol** 1986 Dec;168(3):1172-9

DNA sequences of the cysB regions of Salmonella typhimurium and Escherichia coli. Ostrowski J, et al. **J Biol Chem** 1987 May 5;262(13):5999-6005

Identification of a possible nucleotide binding site in CheW, a protein required for sensory transduction in bacterial chemotaxis. Stock A, et al. **J Biol Chem** 1987 Jan 15; 262(2):535-7

Characterization of SE1, a new general transducing phage of Salmonella typhimurium. Llagostera M, et al. **J Gen Microbiol** 1986 Apr;132 (Pt 4):1035-41

The traT protein is able to normalize the phenotype of a plasmid-carried permeability mutation of Salmonella typhimurium. Sukupolvi S, et al. **J Gen Microbiol** 1986 Aug;132 (Pt 8):2079-85

Recognition of the cryptic plasmid, pSLT, by restriction fingerprinting and a study of its incidence in Scottish Salmonella isolates. Brown DJ, et al. **J Hyg (Lond)** 1986 Oct;97(2):193-7

Mediation of serum resistance in Salmonella typhimurium by an 11-kilodalton polypeptide encoded by the cryptic plasmid. Hackett J, et al. **J Infect Dis** 1987 Mar; 155(3):540-9

Construction of defined galE mutants of Salmonella for use as vaccines. Hone D, et al. **J Infect Dis** 1987 Jul; 156(1):167-74

Identification and sequence analysis of a silent gene (ushA0) in Salmonella typhimurium. Burns DM, et al. **J Mol Biol** 1986 Nov 20;192(2):163-75

Transcription termination sites at the distal end of the leu operon of Salmonella typhimurium. Rosenthal ER, et al. **J Mol Biol** 1987 Apr 5;194(3):443-52

CL 64,855, a potent anti-Trypanosoma cruzi drug, is also mutagenic in the Salmonella/microsome assay. Ferreira RC, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar; 81(1):49-52

Peptide transport in Salmonella typhimurium: molecular cloning and characterization of the oligopeptide permease genes. Hiles ID, et al. **MGG** 1987 Jan;206(1):101-9

The pyridine nucleotide cycle of Salmonella typhimurium: genetic characterization of the pncXA operon. Hill-Chappell JM, et al. **MGG** 1986 Dec;205(3):507-14

A general method for isolation of Mu d1-8(Aprlac) operon fusions in Salmonella typhimurium LT2 from Tn10 insertion strains: chlC::Mu d1-8. Kwan HS, et al. **MGG** 1986 Nov;205(2):221-4

Lowered induction of genetic tandem duplications in Salmonella by the pKM101 plasmid. Pall ML, et al. **MGG** 1986 Aug;204(2):281-4

Involvement of ack-pta operon products in alpha-ketobutyrate metabolism by Salmonella typhimurium. Van Dyk TK, et al. **MGG** 1987 May; 207(2-3):435-40

Selection of bacterial pac sites recognized by Salmonella phage P22. Vogel W, et al. **MGG** 1986 Dec;205(3):563-7

Antibiotic resistance and R plasmids in endemic strains of Salmonella typhimurium isolated in Sicily. Giammanco G, et al. **Microbiologica** 1987 Apr;10(2):183-8

Frameshift mutagenesis by nitracrine analogues in wild-type, uvrB, polA and recA strains of Salmonella typhimurium, with and without plasmid pKM101. Ferguson LR, et al. **Mutat Res** 1987 Jul;184(1):13-21

Effects of UV repair, error-prone repair and critical site of mutation on mutagenesis induced by N-nitrosamines. Zielenska M, et al. **Mutat Res** 1987 Sep;180(1):11-20

Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase. Kotani H, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2653-64

Sequence homologies between proteins of bacterial phosphoenolpyruvate-dependent sugar phosphotransferase systems: identification of possible phosphate-carrying histidine residues. Bramley HF, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4777-80

Transcription attenuation in Salmonella typhimurium: the significance of rare leucine codons in the leu leader. Carter PW, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(21):8127-31

DNA sequence analysis suggests that expression of flagellar and chemotaxis genes in Escherichia coli and Salmonella typhimurium is controlled by an alternative sigma factor. Helmann JD, et al. **Proc Natl Acad Sci USA** 1987 Sep; 84(18):6422-4

Promoter domain mediates guanosine tetraphosphate activation of the histidine operon. Riggs DL, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9333-7

his operons of Escherichia coli and Salmonella typhimurium are regulated by DNA supercoiling. Rudd KE, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):517-21

[Induced mutagenesis in Salmonella typhimurium AG262 strain constructed for screening the mutagens] Liamkina II, et al. **Genetika** 1987 May;23(5):802-8 (Eng. Abstr.) **(Rus)**

[Design and characteristics of a new Salmonella typhimurium indicator strain for screening mutagenic agents] Liamkina II, et al. **Mol Gen Mikrobiol Virusol** 1986 Aug;(8):24-7 (Eng. Abstr.) **(Rus)**

[Genetic characteristics and protective properties of neamin-resistant mutant Salmonella typhimurium and S. dublin of the Nea(r) Str(s) and Nea(r) Str(r) 500 classes] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):3-8 (Eng. Abstr.) **(Rus)**

[Use of the plasmid profile in the study of epidemic digestive toxic infections] Čobeljić M, et al. **Vojnosanit Pregl** 1986 Sep-Oct;43(5):335-9 (Eng. Abstr.) **(Ser)**

GROWTH & DEVELOPMENT

Effect of NaCl, pH, temperature, and atmosphere on growth of Salmonella typhimurium in glucose-mineral salts medium. Thayer DW, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1311-5

Viability of Salmonella typhimurium in different environmental conditions (feed, litter; temperature). Nashed SM. **Beitr Trop Landwirtsch Veterinarmed** 1986; 24(4):431-5

Inhibition of colonization of the chicken alimentary tract with Salmonella typhimurium gram-negative facultatively anaerobic bacteria. Barrow PA, et al. **Epidemiol Infect** 1987 Jun;98(3):311-22

Bactericidal effect of hydrogen peroxide on Salmonella typhimurium in liquid whole egg. Unlütürk A, et al. **J Appl Bacteriol** 1987 Jan;62(1):25-8

A note on the effect of the lactoperoxidase systems on salmonellas in vitro and in vivo. Wray C, et al. **J Appl Bacteriol** 1987 Feb;62(2):115-8

Antibacterial agents specifically inhibiting lipopolysaccharide synthesis. Goldman R, et al. **Nature** 1987 Sep 10-16; 329(6135):162-4

IMMUNOLOGY

The inhibition by morphine and D-aspartic acid of antibody production against Salmonella typhimurium antigen in rats: its antagonism by L-aspartic acid. Koyuncuoğlu H, et al. **Agents Actions** 1987 Feb;20(1-2):93-7

Experimental study on "the postvaccinal negative phase" in the Salmonella typhimurium infection of the mouse. Dimache Căpăţînă A. **Arch Roum Pathol Exp Microbiol** 1986 Jul-Dec;45(3-4):233-9

Vaccination of calves with a diaminopimelic acid mutant of Salmonella typhimurium. Clarke RC, et al. **Can J Vet Res** 1987 Jan;51(1):32-8

Galactose epimeraseless mutants of Salmonella typhimurium as live vaccines for calves. Clarke RC, et al. **Can J Vet Res** 1986 Apr;50(2):165-73

Complement pathway activity in the opsonization of mutant strains of Salmonella typhimurium. Shaio MF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 May;19(2):137-52

Effect of EGTA on phagocytosis of Salmonella typhimurium by human neutrophils. Shaio MF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 May;19(2):153-9

Antigenic and immunogenic properties of recombinants from Salmonella typhimurium and Salmonella minnesota rough mutants expressing in their lipopolysaccharide a

genus-specific chlamydial epitope. Brade L, et al. **Infect Immun** 1987 Feb;55(2):482–6

Protective immunity induced by outer membrane proteins of Salmonella typhimurium in mice. Udhayakumar V, et al. **Infect Immun** 1987 Mar;55(3):816–21

Biosynthesis of enterobacterial common antigen requires dTDPglucose pyrophosphorylase determined by a Salmonella typhimurium rfb gene and a Salmonella montevideo rfe gene. Lew HC, et al. **J Bacteriol** 1986 Nov; 168(2):715–21

Antibody-defective, genetically susceptible CBA/N mice have an altered Salmonella typhimurium-specific B cell repertoire. Duran LW, et al. **J Exp Med** 1987 Jan 1; 165(1):29–46

Clonal analysis of primary B cells responsive to the pathogenic bacterium Salmonella typhimurium. Duran LW, et al. **J Exp Med** 1987 Feb 1;165(2):340–58

The diversity of the secondary Salmonella typhimurium-specific B cell repertoire. Metcalf ES, et al. **J Immunol** 1987 May 15;138(10):3461–7

An attenuated aroA Salmonella typhimurium vaccine elicits humoral and cellular immunity to cloned beta-galactosidase in mice. Brown A, et al. **J Infect Dis** 1987 Jan;155(1):86–92

Electronmicroscopy studies on the opsonic role of antiserum and the subsequent destruction of Salmonellae within murine inflammatory leukocytes. Guo YN, et al. **J Med Microbiol** 1986 Dec;22(4):343–9

Protection against experimental salmonellosis in mice and sheep by immunisatioe with aromatic-dependent Salmonella typhimurium. Mukkur TK, et al. **J Med Microbiol** 1987 Aug;24(1):11–9

Role of thymus-derived lymphocytes in acquired immunity to salmonellosis in mice. Chander R, et al. **Microbiol Immunol** 1986;30(12):1299–306

Mechanisms of acquired resistance in mouse typhoid. Chander R, et al. **Microbiol Immunol** 1987;31(3):223–30

Further studies on the use of Gal E mutants of Salmonella typhimurium in calves: oral vaccination and toxicity studies. Wray C, et al. **Zentralbl Veterinarmed [B]** 1987 Feb;34(1):22–9

[Comparative effectiveness of the bacteriologic method and of the direct determination of the O antigen of the causative agent in research on the excretions of patients with salmonellosis due to Salmonella typhimurium] Li VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):21–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Laboratory studies on salmonella-contaminated cheese involved in a major outbreak of gastroenteritis. Ratnam S, et al. **J Appl Bacteriol** 1986 Jul;61(1):51–6

A survey of Streptococcus pneumoniae, Streptococcus zooepidemicus, Salmonella spp., Bordetella bronchiseptica and Sendai virus in guinea pig colonies in Japan. Nakagawa M, et al. **Jikken Dobutsu** 1986 Oct;35(4):517–20

Food poisoning outbreak in Ibadan, Nigeria, due to a new phage type of Salmonella typhimurium. Ojeniyi AA, et al. **Scand J Infect Dis** 1986;18(6):551–2

Excretion of S typhimurium from a cow's udder [letter] Giles N, et al. **Vet Rec** 1987 Jan 3;120(1):23

[Isolation and characteristics of the biological and genetic properties of neamin-resistant mutants of Salmonella typhimurium and Salmonella dublin candidates for vaccine creation] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):3–8 (Eng. Abstr.) **(Rus)**

METABOLISM

The molecular biology of amino-acid transport in bacteria. Antonucci TK, et al. **Adv Microb Physiol** 1986;28:145–80 (163 ref.)

Decreased binding of antibiotics to lipopolysaccharides from polymyxin-resistant strains of Escherichia coli and Salmonella typhimurium. Peterson AA, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):230–7

Energetics of glucose uptake in Salmonella typhimurium. Driessen M, et al. **Arch Microbiol** 1987 Jan;146(4):358–61

Biochemical and morphological properties of membranes of unsaturated fatty acid auxotrophs of Salmonella typhimurium: effects of fluorinated myristic acids. Cottam PF, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):413–28

Early explorations of the pathways of uridine diphosphate galactose in man and in microorganisms. Kalckar HM. **Bioessays** 1985 Sep;3(3):134–7

Inhibition of exogenous 3-deoxy-D-manno-octulosonate incorporation into lipid A precursor of toluene-treated Salmonella typhimurium cells. Capobianco JO, et al. **J Bacteriol** 1987 Sep;169(9):4030–5

Evidence for regulation of gluconeogenesis by the fructose phosphotransferase system in Salmonella typhimurium. Chin AM, et al. **J Bacteriol** 1987 Feb;169(2):897–9

Proline transport in Salmonella typhimurium: putP permease mutants with altered substrate specificity. Dila DK, et al. **J Bacteriol** 1986 Nov;168(2):590–4

Uptake of cell wall peptides by Salmonella typhimurium and Escherichia coli. Goodell EW, et al. **J Bacteriol** 1987 Aug; 169(8):3861–5

Magnesium transport in Salmonella typhimurium: characterization of magnesium influx and cloning of a transport gene. Hmiel SP, et al. **J Bacteriol** 1986 Dec; 168(3):1444–50

The flaFIX gene product of Salmonella typhimurium is a flagellar basal body component with a signal peptide for export. Homma M, et al. **J Bacteriol** 1987 Apr; 169(4):1493–8

Control of lipopolysaccharide biosynthesis and release by Escherichia coli and Salmonella typhimurium. Ishiguro EE, et al. **J Bacteriol** 1986 Oct;168(1):328–33

Effects of anaerobic regulatory mutations and catabolite repression on regulation of hydrogen metabolism and hydrogenase isoenzyme composition in Salmonella typhimurium. Jamieson DJ, et al. **J Bacteriol** 1986 Oct; 168(1):405–11

Toxic accumulation of alpha-ketobutyrate caused by inhibition of the branched-chain amino acid biosynthetic enzyme acetolactate synthase in Salmonella typhimurium. LaRossa RA, et al. **J Bacteriol** 1987 Apr;169(4):1372–8

Export of glutathione by some widely used Salmonella typhimurium and Escherichia coli strains. Owens RA, et al. **J Bacteriol** 1986 Oct;168(1):109–14

Transport of trehalose in Salmonella typhimurium. Postma PW, et al. **J Bacteriol** 1986 Dec;168(3):1107–11

Global control in Salmonella typhimurium: two-dimensional electrophoretic analysis of starvation-, anaerobiosis-, and heat shock-inducible proteins. Spector MP, et al. **J Bacteriol** 1986 Oct;168(1):420–4

Sterol hydroperoxide metabolism by Salmonella typhimurium. Smith LL, et al. **J Steroid Biochem** 1987 Feb; 26(2):259–64

Regulation of NAD metabolism in Salmonella typhimurium: genetic analysis and cloning of the nadR repressor locus. Foster JW, et al. **MGG** 1987 Jun;208(1–2):279–87

Hydrogen peroxide-inducible proteins in Salmonella typhimurium overlap with heat shock and other stress proteins. Morgan RW, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8059–63

[Reconstitution of high-affinity galactose transport of Salmonella typhimurium in proteoliposomes: energization by lipoamide and NAD or by the membrane potential; inhibition by ATP] Richarme G. **C R Acad Sci [III]** 1987; 305(3):55–8 (Eng. Abstr.) **(Fre)**

[The character of K+ uptake in anaerobically grown S. typhimurium] Ter-Nikogosian VA, et al. **Biofizika** 1986 Sep-Oct;31(5):825–8 (Eng. Abstr.) **(Rus)**

[The nature of typhimuricin--a substance produced by Salmonella typhimurium LT2 and relation of its synthesis to the cryptic plasmid] Khmel' IA, et al. **Mol Gen Mikrobiol Virusol** 1987 Feb;(2):27–30 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Virulence of wild and mutant strains of Salmonella typhimurium in ligated intestinal segments of calves, pigs, and rabbits [published erratum appears in Am J Vet Res 1987 May;48(5):879] Clarke RC, et al. **Am J Vet Res** 1987 Mar;48(3):504–10

Comparison of the ability of enteroinvasive Escherichia coli, Salmonella typhimurium, Yersinia pseudotuberculosis, and Yersinia enterocolitica to enter and replicate within HEp-2 cells. Small PL, et al. **Infect Immun** 1987 Jul;55(7):1674–9

Effects of in vitro growth phase on the pathogenesis of Salmonella typhimurium in mice. Benjamin WH Jr, et al. **J Gen Microbiol** 1986 May;132 (Pt 5):1283–95

Observations on the pathogenesis of experimental Salmonella typhimurium infection in chickens. Barrow PA, et al. **Res Vet Sci** 1987 Mar;42(2):194–9

PHYSIOLOGY

Elevation of the heat resistance of Salmonella typhimurium by sublethal heat shock. Mackey BM, et al. **J Appl Bacteriol** 1986 Nov;61(5):389–93

Mechanisms of triple stress-mediated damage in stationary phase cells of Salmonella typhimurium exposed to succinate-acidified hypochlorite system at 5 degrees C. Obafemi A, et al. **J Appl Bacteriol** 1986 Jul;61(1):11–8

S-adenosylmethionine may not be essential for signal transduction during bacterial chemotaxis. Borczuk A, et al. **J Bacteriol** 1987 Jul;169(7):3295–300

The phs gene and hydrogen sulfide production by Salmonella typhimurium. Clark MA, et al. **J Bacteriol** 1987 Jun; 169(6):2391–7

Oxygen as attractant and repellent in bacterial chemotaxis. Shioi J, et al. **J Bacteriol** 1987 Jul;169(7):3118–23

Evidence against direct involvement of cyclic GMP or cyclic AMP in bacterial chemotactic signaling. Tribhuwan RC, et al. **J Bacteriol** 1986 Nov;168(2):624–30

A second type of protein methylation reaction in bacterial chemotaxis. Stock A, et al. **J Biol Chem** 1987 Jun 15; 262(17):8011–4

Effect of P22-mediated receptor release and of phage DNA injection on cell viability of Salmonella typhimurium. Villaverde A, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2561–4

Salmonella-typhimurium-specific difference in rate of intracellular killing by resident peritoneal macrophages from salmonella-resistant CBA and salmonella-susceptible C57BL/10 mice. van Dissel JT, et al. **J Immunol** 1987 Jun 15;138(12):4428–34

OmpR and EnvZ are pleiotropic regulatory proteins: positive regulation of the tripeptide permease (tppB) of Salmonella typhimurium. Gibson MM, et al. **MGG** 1987 Apr; 207(1):120–9

Restoration of flagellar clockwise rotation in bacterial envelopes by insertion of the chemotaxis protein CheY. Ravid S, et al. **Proc Natl Acad Sci USA** 1986 Oct; 83(19):7157–61

RADIATION EFFECTS

Oxidative mechanisms of toxicity of low-intensity near-UV light in Salmonella typhimurium. Kramer GF, et al. **J Bacteriol** 1987 May;169(5):2259–66

Comparison of UV action spectra for lethality and mutation in Salmonella typhimurium using a broad band source and monochromatic radiations. Calkins J, et al. **Photochem Photobiol** 1987 May;45(5):631–6

Mutagenic response of the Ames Salmonella tester strain (TA 100) to different types of electromagnetic radiation used in dermatological therapy. Lindelöf B, et al. **Photodermatol** 1987 Feb;4(1):49–51

ULTRASTRUCTURE

Compartmentalization of the periplasmic space at division sites in gram-negative bacteria. Cook WR, et al. **J Bacteriol** 1986 Dec;168(3):1430–8

Localization and stoichiometry of hook-associated proteins within Salmonella typhimurium flagella. Ikeda T, et al. **J Bacteriol** 1987 Mar;169(3):1168–73

Membrane-murein attachment at the leading edge of the division septum: a second membrane-murein structure associated with morphogenesis of the gram-negative bacterial division septum. MacAlister TJ, et al. **J Bacteriol** 1987 Sep;169(9):3945–51

SALMONELLA TYPHOSA see **SALMONELLA TYPHI**

SALMONIDAE

Ascorbic acid induced immune-mediated decrease in mortality in Ichthyophthirius multifiliis infected rainbow-trout (Salmo gairdneri). Wahli T, et al. **Acta Trop (Basel)** 1986 Sep;43(3):287–9

Effects of a 4-week freshwater fish (trout) diet on platelet aggregation, platelet fatty acids, serum lipids, and coagulation factors. Atkinson PM, et al. **Am J Hematol** 1987 Feb;24(2):143–9

Occurrence of different types of infectious hematopoietic necrosis virus in fish. Hsu YL, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1353–61

Development of diel rhythm of CAMP in the eye of the trout postembryo. McCormack C, et al. **Cell Biol Int Rep** 1987 Aug;11(8):625

Electrical and mechanical activity in heart tissue of flounder and rainbow trout during acidosis. Höglund L, et al. **Comp Biochem Physiol [A]** 1987;87(3):543–6

Episodic pollution--a comparison of brief and continuous exposure of rainbow trout to cadmium. Pascoe D, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):189–98

Intermediate filaments in normal tissues and lymphomas of northern pike, Esox lucius L., from the Aland Islands of Finland. Thompson JS, et al. **J Comp Pathol** 1987 May; 97(3):257–66

Pathological characteristics of salmonid herpesviruses and antibody production of the virus-infected fish. Ishigaki K, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):403–10

Economic importance of proliferative kidney disease of salmonid fish in England and Wales. Clifton-Hadley RS, et al. **Vet Rec** 1986 Sep 20;119(12):305–6

Serious losses in rainbow trout (Salmo gairdneri) associated with hepatocellular ceroidosis. Holliman A, et al. **Vet Rec** 1986 Aug 23;119(8):179

[Earth currents as a cause of fry losses in a trout stock] Rapp J, et al. **Tierarztl Prax** 1986;14(4):535–42 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Sacciform cells in the epidermis of the brown trout, Salmo trutta, and the Arctic char, Salvelinus alpinus. Pickering AD, et al. **Cell Tissue Res** 1987 Feb;247(2):259–65

Epithelial and pillar cell replacement in gills of juvenile trout, Salmo gairdneri Richardson. Zenker WG, et al. **Comp Biochem Physiol [A]** 1987;86(3):423–8

Photoreceptors and CSF-contacting neurons in the pineal organ of a teleost fish have direct axonal connections with the brain: an HRP-electron-microscopic study. Ekström P. **J Neurosci** 1987 Apr;7(4):987–95

Ultrastructural and clinicopathological studies on the toxicity of cationic acrylamide-based flocculant to rainbow trout. Albassam M, et al. **Vet Pathol** 1987 Jan;24(1):34–43

[Retinotopic organization in the development of the young trout Salmo gairdneri Rich] Pinganaud G. **J Hirnforsch** 1987;28(1):71–89 (Eng. Abstr.) **(Fre)**

BLOOD

Blood volume and red cell space in tissues of the rainbow trout, Salmo gairdneri. Duff DW, et al. **Comp Biochem Physiol [A]** 1987;87(2):393–8

Calcitonin induces hypercalcemia in grey mullet and immature freshwater and sea-water adapted rainbow trout. Fouchereau-Peron M, et al. **Comp Biochem Physiol [A]** 1987;87(4):1051–3

Estimates of plasma, packed cell and total blood volume in tissues of the rainbow trout (Salmo gairdneri). Gingerich WH, et al. **Comp Biochem Physiol [A]** 1987;87(2):251–6

Environmentally-related changes in red cell levels of ionic modulators of hemoglobin-O2 affinity in rainbow trout, Salmo gairdneri. Houston AH, et al. **Comp Biochem Physiol [A]** 1986;85(4):779-83

Hemoglobin heterogeneity in the pike, Esox lucius, and isolation of a homogeneous component. Panara F, et al. **Comp Biochem Physiol [B]** 1986;85(3):589-92

Successful culture of rainbow trout lymphocytes in soft agar. Finegan CB, et al. **Dev Comp Immunol** 1987 Spring; 11(2):419-25

Comparison of the osmotic fragility of red blood cells in samples from anaesthetised and unanaesthetised trout and eel and the effect of varying oxygen levels. Hughes GM, et al. **Exp Biol** 1986;46(1):59-65

The metabolic clearance rate of estradiol-17 beta in rainbow trout, Salmo gairdneri R., estimated by both single injection and constant infusion methods: increase during oocyte maturation. Baroiller JF, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):85-94

A protocol for estimation of cortisol plasma clearance in acid-exposed rainbow trout (Salmo gairdneri). Brown SB, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):493-502

Kinetics of T4 and T3 binding to plasma sites in salmonid teleost fish. Eales JG. **Gen Comp Endocrinol** 1987 Feb; 65(2):288-99

Effects of catecholamines on plasma thyroid hormone levels in arctic charr, Salvelinus alpinus. Eales JG, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):393-9

Circulating forms of alpha MSH in the carp and trout blood: an HPLC and RIA study. Follenius E, et al. **Gen Comp Endocrinol** 1986 May;62(2):185-92

Endocrine profiles in the males of a twice-annually spawning strain of rainbow trout, Salmo gairdneri. Lou SW, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):212-9

Nuclear receptors for L-triiodothyronine in trout erythrocytes. Sullivan CV, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):149-60

The development and validation of a radioimmunoassay to measure plasma ACTH levels in salmonid fishes. Sumpter JP, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):367-76

The effects of stress on plasma ACTH, alpha-MSH, and cortisol levels in salmonid fishes. Sumpter JP, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):377-85

Short-term profiles of plasma gonadotropin and estradiol-17 beta levels in the female rainbow trout, from early ovarian recrudescence and throughout vitellogenesis. Zohar Y, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):172-88

Short-term profiles of plasma gonadotropin and 17 alpha-hydroxy, 20 beta-dihydroprogesterone levels in the female rainbow trout at the periovulatory period. Zohar Y, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):189-98

Apolipoproteins and the association of egg yolk proteins with plasma high density lipoproteins after ovulation and follicular atresia in the rainbow trout (Salmo gairdneri). Babin PJ. **J Biol Chem** 1987 Mar 25;262(9):4290-6

The effects of prolonged epinephrine infusion on the physiology of the rainbow trout, Salmo gairdneri. I. Blood respiratory, acid-base and ionic states. Perry SI, et al. **J Exp Biol** 1987 Mar;128:235-53

Control of cell volume and ion transport by beta-adrenergic catecholamines in erythrocytes of rainbow trout, Salmo gairdneri. Borgese F, et al. **J Physiol (Lond)** 1987 Jan; 382:123-44

Ion movements and volume changes induced by catecholamines in erythrocytes of rainbow trout: effect of pH. Borgese F, et al. **J Physiol (Lond)** 1987 Jan;382:145-57

Ionic equilibria in red blood cells of rainbow trout (Salmo gairdneri): Cl-, HCO-3 and H+. Heming TA, et al. **Respir Physiol** 1986 Aug;65(2):223-34

Effects of graded exercise on blood gas tensions and acid-base characteristics of rainbow trout. Thomas S, et al. **Respir Physiol** 1987 Apr;68(1):85-97

GENETICS

Rainbow trout growth hormone: molecular cloning of cDNA and expression in Escherichia coli. Agellon LB, et al. **DNA** 1986 Dec;5(6):463-71

Linkage relationships reflecting ancestral tetraploidy in salmonid fish. Johnson KR, et al. **Genetics** 1987 Aug; 116(4):579-91

Inheritance of duplicated fumarase and phosphoglucomutase loci in lake trout (Salvelinus namaycush). Marsden JE, et al. **Heredity (Edinburgh)** 1987 Jun;58 (Pt 3):365-72

DNA methylation pattern and restriction endonuclease accessibility in chromatin of a germ-line specific gene, the rainbow trout protamine gene. Delcuve GP, et al. **Nucleic Acids Res** 1987 Apr 24;15(8):3385-96

GROWTH & DEVELOPMENT

Toxicity of picloram (4-amino-3,5,6-trichloropicolinic acid) to life stages of the rainbow trout. Mayes MA, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):653-60

Effects of temperature, food deprivation and salinity on growth, RNA/DNA ratio and certain enzyme activities in rainbow trout (Salmo gairdneri Richardson). Jürss K, et al. **Comp Biochem Physiol [B]** 1987;87(2):241-53

Asymptotic growth, egg production and trivariate allometry in Esox masquinongy Mitchill. Lebeau B, et al. **Growth** 1986 Summer;50(2):185-200

Trout culture methods in the United States. Busch RA. **Vet Hum Toxicol** 1987;29 Suppl 1:45-9

IMMUNOLOGY

Local immunological response in the posterior intestinal segment of the rainbow trout after oral administration of macromolecules. Georgopoulou U, et al. **Dev Comp Immunol** 1986 Fall;10(4):529-37

A modified enzyme linked immunosorbent assay (ELISA) for monitoring antibody production during experimental Aeromonas salmonicida infection in rainbow trout (Salmo gairdneri) [published erratum appears in Dev Comp Immunol 1987 Winter;11(1):253] Hamilton AJ, et al. **Dev Comp Immunol** 1986 Summer;10(3):443-8

Macrophage activation during experimental allergic orchitis in rainbow trout (Salmo gairdneri). Secombes CJ. **Dev Comp Immunol** 1986 Fall;10(4):539-46

The effect of thymectomy on the vaccine-induced protection to Yersinia ruckeri in rainbow trout, Salmo gairdneri. Tatner MF. **Dev Comp Immunol** 1987 Spring;11(2):427-30

Detection of fish antibody against protein antigen of Aeromonas salmonicida by enzyme-linked immunosorbent assay using biotin-avidin system. Kodama H, et al. **Res Vet Sci** 1987 Jul;43(1):78-84

Immunization and culture of rainbow trout organ sections in vitro. Anderson DP, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):203-11

The effect of dose, route, number of injections and the use of adjuvant on the clearance of and immune response to, haemocyanin following injection into brown trout (Salmo trutta). Ingram GA, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):175-80

Primary in vitro stimulation of antibody production by rainbow trout lymphocytes. Kaattari SL, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):29-38

Effect of an immunopotentiator on Aeromonas salmonicida infection in rainbow trout (Salmo gairdneri). Kitao T, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):287-96

The immune response during proliferative kidney disease in rainbow trout: a case history. Klontz GW, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):387-93

Interaction between Aeromonas salmonicida and peritoneal macrophages of brook trout (Salvelinus fontinalis). Olivier G, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1-4):223-34

Immunological activation of rainbow trout macrophages induced in vitro by sperm autoantibodies and factors derived from testis sensitised leucocytes. Secombes CJ. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):193-201

Interactions of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) with immune responses of rainbow trout. Spitsbergen JM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):263-80

The ontogeny of humoral immunity in rainbow trout, Salmo gairdneri. Tatner MF. **Vet Immunol Immunopathol** 1986 Jun;12(1-4):93-105

METABOLISM

Distribution of 14C-ochratoxin A in the rainbow trout (Salmo gairdneri). Fuchs R, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Sep;59(3):220-7

Cadmium inhibition of Ca2+ uptake in rainbow trout gills. Verbost PM, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R216-21

Photoreceptors in the teleost pineal organ. Daily fluctuations of indole metabolism. Falcón J, et al. **Ann Endocrinol (Paris)** 1986;47(1):65-6

Subcellular localization and properties of cytochrome P-450 and UDP glucuronosyltransferase in the rainbow trout kidney. Pesonen M, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):823-9

Potassium-evoked release of endogenous primary amine-containing compounds from the trout saccular macula and saccular nerve in vitro. Drescher MJ, et al. **Brain Res** 1987 Aug 4;417(1):39-50

Cadmium and lead in Lake Ontario salmonids. Cappon CJ. **Bull Environ Contam Toxicol** 1987 Apr;38(4):695-9

Net sodium loss and mortality of three salmonid species exposed to a stream acidified by atmospheric deposition. Gagen CJ, et al. **Bull Environ Contam Toxicol** 1987 Jul; 39(1):7-14

Correlation between heavy metal acute toxicity values in Daphnia magna and fish. Khangarot BS, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):722-6

Fate of 7,12-dimethylbenz(a)anthracene in rainbow trout, Salmo gairdneri. Schnitz AR, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):29-36

Organochlorine insecticides in trout, Salmo trutta fario L., taken from four rivers in León, Spain. Terán MT, et al. **Bull Environ Contam Toxicol** 1987 Feb;38(2):247-53

Effects on cholinesterases of rainbow trout exposed to acephate and methamidophos. Zinkl JG, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):22-8

Brain cholinesterase activity of rainbow trout poisoned by carbaryl. Zinkl JG, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):29-35

Metabolism and DNA binding of aflatoxicol and aflatoxin B1 in vivo and in isolated hepatocytes from rainbow trout (Salmo gairdneri). Loveland PM, et al. **Carcinogenesis** 1987 Aug;8(8):1065-70

Substance P-like-immunoreactive neurons in the photosensory pineal organ of the rainbow trout, Salmo gairdneri Richardson (Teleostei). Ekström P, et al. **Cell Tissue Res** 1986;246(2):359-64

Absorption and fate of labelled canthaxanthin 15, 15'-3H2 in rainbow trout (Salmo gairdneri Rich.). Choubert G, et al. **Comp Biochem Physiol [A]** 1987;87(3):717-20

The effects of starvation and sexual maturation on Na+ transbranchial fluxes following direct transfer from fresh water to sea-water in rainbow trout (Salmo gairdneri). Nance JM, et al. **Comp Biochem Physiol [A]** 1987; 87(3):613-22

Effects of hydrostatic pressure per se (101 ATA) on energetic processes in fish. Sebert P, et al. **Comp Biochem Physiol [A]** 1987;86(3):491-5

Hormonal effects on gluconeogenesis from (U-14C)glutamate in rainbow trout (Salmo gairdneri). de la Higuera M, et al. **Comp Biochem Physiol [B]** 1986; 85(3):517-21

Kinetic studies on the lactate dehydrogenase isozymes of the brown trout, Salmo trutta L. Henry T, et al. **Comp Biochem Physiol [B]** 1986;85(2):491-6

Metabolism of three stereoisomers of astaxanthin in the fish, rainbow trout and tilapia. Katsuyama M, et al. **Comp Biochem Physiol [B]** 1987;86(1):1-5

Activation of trout gill AMP deaminase by an endogenous proteinase--III. Comparative studies on the gill AMP deaminase from different fresh water and sea water teleosts. Raffin JP. **Comp Biochem Physiol [B]** 1986;85(1):173-82

Activation of trout gill AMP deaminase by an endogenous proteinase--I. Effects on the regulatory properties of the enzyme. Raffin JP. **Comp Biochem Physiol [B]** 1986; 85(1):157-62

Activation of trout gill AMP deaminase by an endogenous proteinase--II. Modification of the properties of the enzyme during starvation, pollution and salinity changes. Raffin JP. **Comp Biochem Physiol [B]** 1986;85(1):163-71

Changes of the liver UDP-glucuronosyltransferase activity in trout (Salmo gairdneri Rich.) acutely exposed to selected aquatic toxicants. Castrén M, et al. **Comp Biochem Physiol [C]** 1987;86(2):357-60

Inhibition of trout (Salmo gairdneri R.) PBG-synthase by some metal ions (Mg2+, Pb2+, Zn2+). González O, et al. **Comp Biochem Physiol [C]** 1987;86(1):163-7

Effect of dietary cyclopropene fatty acids on the amino acid uptake of the rainbow trout (Salmo gairdneri). Chikwem JO. **Cytobios** 1987;49(196):17-21

Fate of 2,5,4'-trichlorobiphenyl in outdoor ponds and its uptake via the food chain compared with direct uptake via the gills in grass carp and rainbow trout. Crossland NO, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):225-38

Fate of the isoprenoid hydrocarbon, pristane, in rainbow trout. Le Bon AM, et al. **Ecotoxicol Environ Safety** 1987 Jun;13(3):274-81

Parathyroid hormone-like effects of rainbow trout Stannius products on bone resorption of embryonic mouse calvaria in vitro. Lafeber FP, et al. **Endocrinology** 1986 Nov; 119(5):2249-55

An analysis of the interrelationship of nuclear and plasma triiodothyronine in the sea lamprey, lake trout, and rat: evolutionary considerations. Weirich RT, et al. **Endocrinology** 1987 Feb;120(2):664-77

Denitrosation of N-nitrosodimethylamine and N-nitrosomethylurea by liver microsomes from trout (Salmo gairdneri Rich.). Arillo A, et al. **Environ Res** 1987 Apr;42(2):366-71

Trout sperm motility. The transient movement of trout sperm is related to changes in the concentration of ATP following the activation of the flagellar movement. Christen R, et al. **Eur J Biochem** 1987 Aug 3;166(3):667-71

Effects of chronic administration of melanin-concentrating hormone on corticotrophin, melanotrophin, and pigmentation in the trout. Baker BI, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):62-9

Gonadotropin hormone (GtH) receptors in the ovary of the brown trout Salmo trutta L. in vitro studies. Breton B, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):163-71

Metabolism of 25-hydroxycholecalciferol in a teleost fish, the rainbow trout (Salmo gairdneri). Hayes ME, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):143-50

The effect of temperature on the vitellogenic response in Atlantic salmon post-smolts (Salmo salar). Korsgaard B, et al. **Gen Comp Endocrinol** 1986 May;62(2):193-201

Androgen binding in the skin of mature male brown trout, Salmo trutta L. Pottinger TG. **Gen Comp Endocrinol** 1987 May;66(2):224-32

In vitro metabolism of steroid hormones in the liver and in blood cells of male rainbow trout (Salmo gairdneri Richardson). Schulz R. **Gen Comp Endocrinol** 1986 Nov; 64(2):312-9

Thyroxine 5'-monodeiodinase activity in hepatocytes of rainbow trout, Salmo gairdneri: distribution, effects of starvation, and exogenous inhibitors. Shields CA, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):334-43

Some effects of adrenaline on anion transport and nitrite-induced methaemoglobin formation in the rainbow trout (Salmo gairdneri Richardson). Williams EM, et al. **J Exp Zool** 1987 Feb;241(2):269-73

Urea cycle activity and arginine formation in rainbow trout (Salmo gairdneri). Chiu YN, et al. **J Nutr** 1986 Sep; 116(9):1640-50

Comparison of transketolase activity and thiamin pyrophosphate levels in erythrocytes and liver of rainbow trout (Salmo gairdneri) as indicators of thiamin status. Masumoto T, et al. **J Nutr** 1987 Aug;117(8):1422-6

Chromogranin A is present in and released by fish endocrine tissue. Deftos LJ, et al. **Life Sci** 1987 Jun 1;40(22):2133-6

Nutrition classics. Lipids, June 1979 Volume 14, No. 6: Reproduction and survival of rainbow trout (Salmo gairdneri) fed linolenic acid as the only source of essential fatty acids. By T.C. Yu, R.O. Sinnhuber, and J.D. Hendricks. **Nutr Rev** 1986 Sep;44(9):306–8

Absorption, distribution and excretion of the anthelmintic praziquantel (Droncit) in rainbow trout (Salmo gairdneri R.). Björklund H, et al. **Parasitol Res** 1987;73(3):240–4

Temperature dependence of di-2-ethylhexyl phthalate (DEHP) pharmacokinetics in rainbow trout. Barron MG, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):305–12

Species characteristics of the hepatic xenobiotic and steroid biotransformation systems of two teleost fish, Atlantic cod (Gadus morhua) and rainbow trout (Salmo gairdneri). Goksøyr A, et al. **Toxicol Appl Pharmacol** 1987 Jul; 89(3):347–60

Hepatic effects of acrylamide in rainbow trout. Petersen DW, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):249–55

Uptake, distribution and retention of zineb and ziram in rainbow trout (Salmo gairdneri). Van Leeuwen CJ, et al. **Toxicology** 1986 Dec 1;42(1):33–46

[Use of solid fat in dry mixed feed for rainbow trout (Salmo gairdneri). 2. Fatty acid composition of feed and tissue lipids] Csengeri I, et al. **Arch Tierernahr** 1986 Jul; 36(7):653–63 (Eng. Abstr.) **(Ger)**

[Excretion of chlortetracycline in rainbow trout] Frieser J, et al. **DTW** 1986 Nov 21;93(10):491–2 (Eng. Abstr.) **(Ger)**

[Analysis of decay curves with biphasic kinetics] Schmidt T, et al. **Z Lebensm Unters Forsch** 1986 Nov;183(5):325–30 (Eng. Abstr.) **(Ger)**

[Organ and plasma enzyme patterns of the rainbow trout (Salmo gairdneri)] Keller P, et al. **Zentralbl Veterinarmed [A]** 1987 May;34(5):393–400 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative distribution of 7 enzymes in organs of the rainbow trout (Salmo gairdneri R.) and the carp (Cyprinus carpio)] Scheinert P, et al. **Zentralbl Veterinarmed [A]** 1987 May;34(5):339–43 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Analysis of three salmonid herpesvirus DNAs by restriction endonuclease cleavage patterns. Hayashi Y, et al. **Nippon Juigaku Zasshi** 1987 Apr;49(2):251–60

Experimental induction of the carrier state in yearling brook trout: a model challenge protocol for IPNV immunization. Bootland LM, et al. **Vet Immunol Immunopathol** 1986 Jun; 12(1–4):365–72

Infectious pancreatic necrosis: detection of virus and antibodies in rainbow trout IPNV-carrier (Salmo gairdneri). Ahne W, et al. **Zentralbl Veterinarmed [B]** 1986 Sep;33(7):552–4

Aeromonas salmonicida from salmonids and cyprinids—serological and cultural identification. Böhm KH, et al. **Zentralbl Veterinarmed [B]** 1986 Dec; 33(10):777–83

Demonstration of persistent viral haemorrhagic septicaemia (VHS) virus in rainbow trout after experimental waterborne infection. Neukirch M. **Zentralbl Veterinarmed [B]** 1986 Aug;33(6):471–6

PARASITOLOGY

Human intestinal infection with Nanophyetus salmincola from salmonid fishes. Eastburn RL, et al. **Am J Trop Med Hyg** 1987 May;36(3):586–91

Occurrence of Phyllodistomum umblae (Fabricius, 1780) in the ureters of coregonids of Lake Yli–Kitka in northeastern Finland. Rahkonen R, et al. **Folia Parasitol (Praha)** 1987; 34(2):145–55

Development of infections of Gyrodactylus colemanensis Mizelle and Kritsky, 1967 (Monogenea) and the effect on fry of Salmo gairdneri Richardson. Cusack R. **J Parasitol** 1986 Oct;72(5):663–8

Diplostomiasis (Trematoda: Strigeidae) in Arctic charr (Salvelinus alpinus) from Charr Lake, northern Labrador. Bouillon DR, et al. **J Wildl Dis** 1987 Jul;23(3):502–5

Rainbow trout (Salmo gairdneri) stocking and Contracaecum spp. Dick TA, et al. **J Wildl Dis** 1987 Apr;23(2):242–7

[A new intracellular protozoon of Salmo gairdneri Richardson, 1836 (teleost fish). Taxonomic affinities] van de Moer A, et al. **C R Acad Sci [III]** 1987;304(4):93–6 (Eng. Abstr.) **(Fre)**

[Proteocephalus exiguus (Cestoda) as a parasite of Salmo gairdneri (Pisces)] Priemer J, et al. **Angew Parasitol** 1986 Aug;27(3):157–68 (Eng. Abstr.) **(Ger)**

[Enzyme serologic studies of the arctic char (Salvelinus alpinus L.) of Lake Königssee affected by Triaenophorus nodulosus] Scheinert P, et al. **Berl Munch Tierarztl Wochenschr** 1986 Nov 1;99(11):383–6 (Eng. Abstr.) **(Ger)**

[Histopathology of Cyathocephalus truncatus infections in the rainbow trout] Hermanns W, et al. **DTW** 1987 Feb 9;94(2):71–2 (Eng. Abstr.) **(Ger)**

[Infection by the larva of Contracaecum (Nematoda, Anisakidae) in salmonids introduced in Chile] Torres P, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):177–82 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Recovery of cardiac and ventilatory frequencies after sub-acute pesticide (ABOL-X) treatment in rainbow trout, Salmo gairdneri Richardson. Biró P, et al. **Acta Biol Hung** 1985;36(3–4):269–79

Toxicity of chlorinated bornane (toxaphene) residues isolated from Great Lakes lake trout (Salvelinus namaycush). Gooch JW, et al. **Arch Environ Contam Toxicol** 1987 May; 16(3):349–55

Acute toxicity of Garlon 4 and Roundup herbicides to salmon, Daphnia, and trout. Servizi JA, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):15–22

In vitro studies on the release of cortisol from interrenal tissue in trout (Salmo gairdneri)—II. Action of changes in extracellular electrolytes. Decourt C, et al. **Comp Biochem Physiol [A]** 1986;85(4):747–53

Patterns of spontaneous unit preoptic neurosecretory cell discharges in the rainbow trout, Salmo gairdneri. Le Mével JC, et al. **Comp Biochem Physiol [A]** 1987;86(2):281–8

Fluid volumes in rainbow trout, Salmo gairdneri: application of compartmental analysis. Nichols DJ. **Comp Biochem Physiol [A]** 1987;87(3):703–9

Effects of pH and/or calcium-enriched freshwater on plasma levels of vitellogenin and Ca2+ and on bone calcium content during exogenous vitellogenesis in rainbow trout (Salmo gairdneri). Parker DB, et al. **Comp Biochem Physiol [A]** 1987;87(2):267–73

Physiological responses of rainbow trout in a pulp and paper mill recipient during four seasons. Tana J, et al. **Ecotoxicol Environ Safety** 1986 Aug;12(1):22–34

Initiation, promotion, and inhibition of carcinogenesis in rainbow trout. Bailey G, et al. **Environ Health Perspect** 1987 Apr;71:147–53 (53 ref.)

Effect of plasma lipoproteins in gonadotropin stimulation of 17 beta-estradiol production in the ovarian follicle of rainbow trout (Salmo gairdneri). Babin PJ. **Gen Comp Endocrinol** 1986 Dec;64(3):456–67

Melanin concentrating hormone inhibits the release of alpha MSH from teleost pituitary glands. Barber LD, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):79–86

The presence of corticosteroid receptor activity in the gills of the brook trout, Salvelinus fontinalis. Chakraborti PK, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):323–32

The effects of sodium ipodate (ORAgrafin) on thyroid function in rainbow trout, Salmo gairdneri. Cyr DG, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):86–92

Constant photoperiod regimes and the entrainment of the annual cycle of reproduction in the female rainbow trout (Salmo gairdneri). Duston J, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):373–84

Gonadotropic hormone-releasing hormone (GnRH) bioactivity in the brain of the immature rainbow trout, Salmo gairdneri: the effect of testosterone. Goos HJ, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):80–4

Basal and stimulated adenylate cyclase activity in the gill epithelium of the rainbow trout. Guibbolini M, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):178–88

Endocrine changes associated with spawning behavior and social stimuli in a wild population of rainbow trout (Salmo gairdneri). I. Males. Liley NR, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):145–56

Endocrine changes associated with spawning behavior and social stimuli in a wild population of rainbow trout (Salmo gairdneri). II. Females. Liley NR, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):157–67

On the use of dexamethasone to block the pituitary–interrenal axis in the brown trout, Salmo trutta L. Pickering AD, et al. **Gen Comp Endocrinol** 1987 Mar;65(3):346–53

Independence of the pituitary–interrenal axis and melanotroph activity in the brown trout, Salmo trutta L., under conditions of environmental stress. Pickering AD, et al. **Gen Comp Endocrinol** 1986 Nov;64(2):206–11

Use of pituitary cells in primary culture to study the regulation of gonadotropin hormone (GtH) secretion in rainbow trout: setting up and validating the system as assessed by its responsiveness to mammalian and salmon gonadotropin releasing hormone. Weil C, et al. **Gen Comp Endocrinol** 1986 May;62(2):202–9

Adhesion of Aeromonas salmonicida strains associated with net electrostatic charges of host tissue cells. Sakai DK. **Infect Immun** 1987 Mar;55(3):704–10

Effect of acclimation temperature on the elongation step of protein synthesis in different organs of rainbow trout. Simon E. **J Comp Physiol [B]** 1987;157(2):201–7

Osmoregulatory actions of growth hormone in rainbow trout (Salmo gairdneri). Bolton JP, et al. **J Endocrinol** 1987 Jan; 112(1):63–8

Acquisition of potential for sperm motility in rainbow trout and chum salmon. Morisawa S, et al. **J Exp Biol** 1986 Nov; 126:89–96

The effects of prolonged epinephrine infusion on the physiology of the rainbow trout, Salmo gairdneri. II. Branchial solute fluxes. Vermette MG, et al. **J Exp Biol** 1987 Mar;128:255–67

The effects of prolonged epinephrine infusion on the physiology of the rainbow trout, Salmo gairdneri. III. Renal ionic fluxes. Vermette MG, et al. **J Exp Biol** 1987 Mar;128:269–85

Short-term changes in levels of cyclic AMP, adenylate cyclase, and phosphodiesterase during the initiation of sperm motility in rainbow trout. Morisawa M, et al. **J Exp Zool** 1987 May;242(2):199–204

Behavioral and histological effects of acrylamide in rainbow trout. Petersen DW, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):177–84

Effects of metals on the chemiluminescent response of rainbow trout (Salmo gairdneri) phagocytes. Elsasser MS, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):243–50

SALPINGITIS

BLOOD

[The courses of C-reactive protein and sedimentation rate in acute salpingitis. A prospective study] Nielsen FR, et al. **Ugeskr Laeger** 1987 Feb 16;149(8):520–1 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Pelvic infection and the pathogenesis of tubal ectopic pregnancy. Clark K, et al. **Aust NZ J Obstet Gynaecol** 1987 Feb;27(1):57–60

Fallopian tube obstruction as a sequela to Chlamydia trachomatis infection. Kosseim M, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):584–90

Tubal pregnancy in a 'low-risk' population: occasional association with follicular salpingitis. Campbell JS, et al. **Eur J Obstet Gynecol Reprod Biol** 1977;7(5):287–91

Infertility in mice infected genitally with a human strain of Chlamydia trachomatis. Tuffrey M, et al. **J Reprod Fertil** 1986 Sep;78(1):251–60

Bilharzial salpingitis and ectopic tubal pregnancy [letter] Graubard Z, et al. **S Afr Med J** 1987 Apr 18;71(8):537

Endometrial damage in acute salpingitis. Tomioka ES, et al. **Sex Transm Dis** 1987 Apr–Jun;14(2):63–8

["Chronic salpingitis and extra-uterine pregnancy" (letter)] Philippe E. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(2):261 **(Fre)**

[Prevention of tubal sterility] Henry-Suchet J. **Presse Med** 1986 Sep 13;15(29):1349–50 **(Fre)**

[Oxyuriasis as a rare etiology of ascites formation] Mühlnickel D, et al. **Zentralbl Gynakol** 1986;108(18):1114–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Serum IgG and IgA antibodies specific for Chlamydia trachomatis in salpingitis patients as determined by the immunoperoxidase assay. Piura B, et al. **Eur J Epidemiol** 1985 Jun;1(2):110–6

Salpingitis; aspects of diagnosis and etiology: a 4-year study from a Swedish capital hospital. Brihmer C, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Mar;24(3):211–20

Acute salpingitis in sterilized women. Vermesh M, et al. **Obstet Gynecol** 1987 Feb;69(2):265–7

DRUG THERAPY

Evaluation of doxycycline in the treatment of chlamydial salpingitis. Henry-Suchet J, et al. **Clin Ther** 1986;9 Suppl A:26–32

Mezlocillin in the treatment of acute salpingitis. Friberg J, et al. **Mt Sinai J Med (NY)** 1986 Sep;53(7):510–3

Combination of bacteriostatic and bactericidal antibiotics in the treatment of acute salpingitis. Monif GR. **Nebr Med J** 1986 Nov;71(11):394–8

[Treatment of acute salpingitis with a combination of augmentin and synthetic tetracycline or augmentin alone] Henry-Suchet J, et al. **Rev Fr Gynecol Obstet** 1987 Apr; 82(4):281–4 (Eng. Abstr.) **(Fre)**

[Use of neurotropic agents in the combined treatment of patients with exacerbated chronic nonspecific salpingo-oophoritis] Plotnikova VN, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):51–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Inflammatory etiology of salpingitis isthmica nodosa: a clinical, histological and ultrastructural study. Punnonen R, et al. **Acta Eur Fertil** 1986 May–Jun;17(3):199–203

Histologic and microbiologic findings in the fallopian tubes of IUD users. Vanlancker M, et al. **Adv Contracept** 1987 Jun;3(2):147–57

Serologic evidence of prior chlamydial infection in patients with tubal ectopic pregnancy and contralateral tubal disease. Hartford SL, et al. **Fertil Steril** 1987 Jan; 47(1):118–21

Chlamydia trachomatis attached to spermatozoa recovered from the peritoneal cavity of patients with salpingitis. Friberg J, et al. **J Reprod Med** 1987 Feb;32(2):120–2

Acute salpingitis in sterilized women [letter] Keith L. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):432

[Diagnostic value of the study of anti-Chlamidia antibodies in salpingitis. 379 cases] Scieux C, et al. **Presse Med** 1987 Apr 25;16(15):715–8 (Eng. Abstr.) **(Fre)**

[Acute salpingitis and contraceptive methods] Wølner-Hanssen P. **Tidsskr Nor Laegeforen** 1986 Aug 30; 106(24):1924–6 (Eng. Abstr.) **(Nor)**

[Bilateral pyosalpinx and osteomyelitis of the femur associated with reactive arthritis in salmonellosis (letter)] González Lahoz JM, et al. **Rev Clin Esp** 1987 Apr; 180(6):342–3 **(Spa)**

IMMUNOLOGY

Importance of chlamydial antibodies in acute salpingitis in central Africa. Frost E, et al. **Genitourin Med** 1987 Jun;

63(3):176–8
Postabortal Chlamydia trachomatis salpingitis: correlating risk with antigen-specific serological responses and with neutralization. Brunham RC, et al. **J Infect Dis** 1987 Apr; 155(4):749–55
[Detection of immunoglobulins in cervical secretions in an inflammatory adnexal process] Briese V, et al. **Zentralbl Gynakol** 1987;109(5):280–8 (Eng. Abstr.) **(Ger)**
[Comparative immunochemical study of the system of soluble leukocyte antigens in women with chronic salpingo-oophoritis in the remission stage] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):44–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Endometritis and salpingitis caused by Chlamydia trachomatis [letter] Sellors JW. **Am J Obstet Gynecol** 1987 Jun;156(6):1553–4
Clinical and microbiological investigation of women with acute salpingitis and their consorts [letter] Munday PE, et al. **Br J Obstet Gynaecol** 1987 Mar;94(3):281–2
Significance of antibodies to Mycoplasma genitalium in salpingitis. Lind K, et al. **Eur J Clin Microbiol** 1987 Apr; 6(2):205–7
Microbiologic study of chronic inflammation associated with tubal factor infertility: role of Chlamydia trachomatis. Henry-Suchet J, et al. **Fertil Steril** 1987 Feb;47(2):274–7

PATHOLOGY

Cytologic diagnosis of florid peritoneal endosalpingiosis. A case report. Carlson GJ, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):494–6
Distal tubal obstruction induced by repeated Chlamydia trachomatis salpingeal infections in pig-tailed macaques. Patton DL, et al. **J Infect Dis** 1987 Jun;155(6):1292–9
Chlamydial infection of subcutaneous fimbrial transplants in cynomolgus and rhesus monkeys. Patton DL, et al. **J Infect Dis** 1987 Feb;155(2):229–35
[Chronic salpingitis and extra-uterine pregnancy. Results of the histologic study of 215 tubal pregnancies] Dubuisson JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987; 16(1):27–31 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Salpingitis isthmica nodosa: radiographic hallmarks and clinical significance. Stull MA, et al. **Milit Med** 1986 Sep; 151(9):495–6

REHABILITATION

[Body reactivity characteristics of chronic salpingo-oophoritis patients at the health resort stage of rehabilitation] Luzina NL, et al. **Akush Ginekol (Mosk)** 1986 Nov;(11):69–71 **(Rus)**
[Significance of reflexotherapy in the rehabilitation of women with chronic recurrent salpingo-oophoritis] Zharkin NA, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):54–7 (Eng. Abstr.) **(Rus)**

SURGERY

Tubal resection and anastomosis. II. Isthmic salpingitis. Jansen RP. **Aust NZ J Obstet Gynaecol** 1986 Nov; 26(4):300–4
Microsurgery in female infertility. Fritzsche H, et al. **Ginekol Pol** 1986 Dec;57(12):784–6

THERAPY

[Method for treating chronic recurrent salpingo-oophoritis] Benediktov II, et al. **Akush Ginekol (Mosk)** 1987 Mar; (3):66–7 **(Rus)**
[Use of therapeutic normobaric hypoxia for preventing exacerbation of chronic nonspecific salpingo-oophoritis] Karash IuM, et al. **Akush Ginekol (Mosk)** 1987 Mar; (3):48–51 **(Rus)**
[Differential use of preformed physical factors in prodigiozan treatment of chronic salpingo-oophoritis] Strugatskii VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 Mar–Apr; (2):66–8 **(Rus)**

SALPINGOGRAPHY see **HYSTEROSALPINGOGRAPHY**

SALSOLINE ALKALOIDS see under **ISOQUINOLINES**

SALT GLAND

DRUG EFFECTS

Beta-adrenergic stimulation of ion transport in primary cultures of avian salt glands. Lowy RJ, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):C670–6

ENZYMOLOGY

Biochemical and immunochemical determination of (Na+ + K+)-ATPase content in subcellular fractions prepared from the avian salt gland: evidence for enzyme heterogeneity. Addis JS, et al. **Cell Biochem Funct** 1987 Apr;5(2):135–41
Characterization and use of polyclonal antibody to Na+,K+-ATPase: immunocytochemical localization in salt glands of the duck. Russo JJ, et al. **Cell Biochem Funct** 1987 Jan;5(1):1–15

METABOLISM

Muscarinic receptor-stimulated Ca2+ signaling and inositol lipid metabolism in avian salt gland cells. Snider RM, et al. **Biochim Biophys Acta** 1986 Nov 28;889(2):216–24
The duct system of the avian salt gland as a transporting epithelium: structure and morphometry in the duck Anas platyrhynchos. Marshall AT, et al. **Cell Tissue Res** 1987 Jul;249(1):179–88

PHYSIOLOGY

Thermally induced changes in neural and hormonal control of osmoregulation in a bird with salt glands (Anas platyrhynchos). Hori T, et al. **Pflugers Arch** 1986 Oct; 407(4):414–20

SECRETION

Potassium secretion by nasal salt glands of desert lizard Sauromalus obesus. Shuttleworth TJ, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R83–90
Secretory activity in salt glands of birds and turtles: stimulation via cyclic AMP. Shuttleworth TJ, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R428–32
Adrenalectomy fails to block salt gland secretion in Pekin ducks (Anas platyrhynchos) adapted to 0.9% saline drinking water. Butler DG. **Gen Comp Endocrinol** 1987 May;66(2):171–81
Reevaluation of the effect of substance P on nasal salt gland secretion in the duck (Anas platyrhynchos). Wilson JX. **Gen Comp Endocrinol** 1987 Aug;67(2):256–62

SALTS

Taste receptor mechanism of salts in frog and rat. Yoshii K, et al. **Comp Biochem Physiol [A]** 1986;85(3):501–7

ISOLATION & PURIFICATION

[Simple desalting technic for peptides] Shirai H. **Seikagaku** 1987 Mar;59(3):160–2 **(Jpn)**

METABOLISM

The effect of Gla-containing proteins on the precipitation of insoluble salts. van de Loo PG, et al. **Biochem Biophys Res Commun** 1987 Jan 15;142(1):113–9

PHARMACODYNAMICS

The ability of salts to inhibit the reaction between periodate anions and ovotransferrin. Hsuan JJ. **Biochem J** 1986 Sep 15;238(3):931–4
Alterations in human linker histone-DNA binding in the presence of aluminum salts in vitro and in Alzheimer's disease. Lukiw WJ, et al. **Neurotoxicology** 1987 Summer; 8(2):291–301

THERAPEUTIC USE

Synergism of organic zinc salts and sulfhydryl compounds (thiols) in the protection of mice against acute ethanol toxicity, and protective effects of various metal salts. Floersheim GL. **Agents Actions** 1987 Jun;21(1–2):217–22

SAMARIUM

Europium and samarium as labels in time-resolved immunofluorometric assay of follitropin. Bador R, et al. **Clin Chem** 1987 Jan;33(1):48–51
Effects of rare-earth filters on patient exposure and image contrast. Mauriello SM, et al. **J Dent Res** 1987 Aug; 66(8):1326–30
Skeletal localization of samarium-153 chelates: potential therapeutic bone agents. Goeckeler WF, et al. **J Nucl Med** 1987 Apr;28(4):495–504
Radiation dose calculations in persons receiving injection of samarium-153 EDTMP. Logan KW, et al. **J Nucl Med** 1987 Apr;28(4):505–9

STANDARDS

The standardization of samarium-153. Coursey BM, et al. **Int J Rad Appl Instrum [A]** 1987;38(1):31–4

THERAPEUTIC USE

153Sm radiotherapeutic bone agents. Goeckeler WF, et al. **Int J Rad Appl Instrum [B]** 1986;13(4):479–82
Samarium-145: a new brachytherapy source. Fairchild RG, et al. **Phys Med Biol** 1987 Jul;32(7):847–58

SAMPLING STUDIES

see related
HEALTH SURVEYS
Sample sizes for estimation of exposure-specific disease rates in population-based case-control studies. Mullooly JP. **Am J Epidemiol** 1987 Jun;125(6):1079–84
Estimating the proportion of uncatchable animals in a population by double-sampling. Aebischer NJ. **Biometrics** 1986 Dec;42(4):973–9
Towards a general model of non-random sampling and the impact on population correlation: generalizations of Berkson's Fallacy and restriction of range. Alexander RA, et al. **Br J Math Stat Psychol** 1986 May;39 (Pt 1):90–105
Calculation of sample size in trials of screening for early diagnosis of disease. Moss S, et al. **Int J Epidemiol** 1987 Mar;16(1):104–10
Subject selection in hospital-based case-control studies [letter] Knottnerus JA. **J Chronic Dis** 1987;40(2):183–7
Need for large sample sizes in randomized trials. Hennekens C, et al. **Pediatrics** 1987 Apr;79(4):569–71
Sample selections in nursing research [editorial] Sachs B. **Res Nurs Health** 1987 Feb;10(1):iii–iv
Epidemiological research methods. Part II. Descriptive studies. Botha JL, et al. **S Afr Med J** 1986 Dec 6; 70(12):766–72
Sample size requirements for reliability studies. Donner A, et al. **Stat Med** 1987 Jun;6(4):441–8
A resolution of the ascertainment sampling problem. I. Theory. Ewens WJ, et al. **Theor Popul Biol** 1986 Dec; 30(3):388–412
[Composition of a selected group of persons from a region which fulfill the requirements of the theory of sampling studies] Skalská H, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(1):91–6 (Eng. Abstr.) **(Cze)**

METHODS

Ascertainment considerations in the analysis of affected sib shared haplotype data. Ewens WJ, et al. **Genet Epidemiol** 1986;Suppl 1:319–22
[Theory and practice of sampling studies: exemplified by the MONICA survey] Vincent W. **Soz Praventivmed** 1987; 32(2):52–62 (Eng. Abstr.) **(Fre)**

STANDARDS

Lack of statistical power [letter] Pascoe JM. **Pediatrics** 1987 Feb;79(2):313–4

SAND-DOLLAR see **SEA URCHINS**

SANDFLIES see **PSYCHODIDAE**

SANDFLY FEVER see **PAPPATACI FEVER**

SANDHOFF DISEASE

DIAGNOSIS

Prenatal diagnosis of infantile GM 2 gangliosidosis type II (Sandhoff disease) by detection of N-acetylglucosaminyl-oligosaccharides in amniotic fluid with high-performance liquid chromatography. Warner TG, et al. **Prenat Diagn** 1986 Nov–Dec;6(6):393–400

FAMILIAL & GENETIC

Sandhoff disease heterozygote detection: a component of population screening for Tay-Sachs disease carriers. II. Sandhoff disease gene frequencies in American Jewish and non-Jewish populations. Cantor RM, et al. **Am J Hum Genet** 1987 Jul;41(1):16–26
[Detection of homozygotes and heterozygote carriers of GM2-gangliosidosis] Aronovich EL, et al. **Genetika** 1986 Aug;22(8):2179–85 (Eng. Abstr.) **(Rus)**

METABOLISM

Composition of gangliosides and neutral glycosphingolipids of brain in classical Tay-Sachs and Sandhoff disease: more lyso-GM2 in Sandhoff disease? Rosengren B, et al. **J Neurochem** 1987 Sep;49(3):834–40
Ganglioside storage, hexosaminidase lability, and urinary oligosaccharides in adult Sandhoff's disease. Bolhuis PA, et al. **Neurology** 1987 Jan;37(1):75–81

SANITARY ENGINEERING

Health hazard evaluation [letter] Albrecht WN, et al. **J Soc Occup Med** 1987 Summer;37(2):70
Glomerulonephritis associated with hydrocarbon solvents [letter] Albrecht WN, et al. **J Soc Occup Med** 1986 Winter; 36(4):145
[Sanitary and environmental engineering: the importance of planning in regard to health needs] Horwitz A. **Bol Of Sanit Panam** 1986 Sep;101(3):193–207 (Eng. Abstr.) **(Spa)**

EDUCATION

Trends in environmental health education. Anderson AC. **J Community Health** 1987 Summer-Fall;12(2–3):156–62

INSTRUMENTATION

[Sanitary microbiological aspects of the treatment of wastes from antibiotic manufacture in biological ponds] Leonova VE, et al. **Antibiot Med Biotekhnol** 1987 Mar;32(3):218–20 (Eng. Abstr.) **(Rus)**
[Experience in using compact units for treating waste waters from a forging plant] Khludeev NN. **Gig Sanit** 1986 Jul; (7):72–3 **(Rus)**
[Hygienic evaluation of new systems for the removal and decontamination of animal husbandry wastes] Livshits LL, et al. **Gig Sanit** 1986 Dec;(12):28–30 (Eng. Abstr.) **(Rus)**

METHODS

[Content of chemical elements in the liquid manure of swine at a treatment plant using biological purification] Balkov BD, et al. **Vet Med Nauki** 1987;24(5):91–6 (Eng. Abstr.) **(Bul)**

[Hydrobotanical after-purification of effluents from a medical drug plant in winter] Abramov AV, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):264–7 (Eng. Abstr.) **(Rus)**

STANDARDS

[Scientific basis of preventive sanitary control of swine-breeding farms] Okladnikov NI. **Gig Sanit** 1986 Nov; (11):67–9 **(Rus)**

TRENDS

Planning and technology in sanitary and environmental engineering. Wolman A. **Bull Pan Am Health Organ** 1986; 20(1):45–52

SANITATION

An educational intervention for altering water-sanitation behaviors to reduce childhood diarrhea in urban Bangladesh. I. Application of the case-control method for development of an intervention. Clemens JD, et al. **Am J Epidemiol** 1987 Feb;125(2):284–91

Urinary mutagens in municipal sewage workers and water treatment workers. Scarlett-Kranz JM, et al. **Am J Epidemiol** 1986 Dec;124(6):884–93

An educational intervention for altering water-sanitation behaviors to reduce childhood diarrhea in urban Bangladesh. II. A randomized trial to assess the impact of the intervention on hygienic behaviors and rates of diarrhea. Stanton BF, et al. **Am J Epidemiol** 1987 Feb; 125(2):292–301

Results of regional consultation on drinking water supply and sanitation. **Bull Pan Am Health Organ** 1987;21(1):66–74

Twenty-four-hour recall, knowledge-attitude-practice questionnaires, and direct observations of sanitary practices: a comparative study. Stanton BF, et al. **Bull WHO** 1987;65(2):217–22

Environmental and sanitary conditions after a cyclone in Tonga. Finau SA, et al. **Community Health Stud** 1986; 10(3):336–43

Epidemiologic evidence for health benefits from improved water and sanitation in developing countries. Esrey SA, et al. **Epidemiol Rev** 1986;8:117–28 (96 ref.)

Guidelines for planning community participation activities in water supply and sanitation projects. Whyte A. **WHO Offset Publ** 1986;(96):1–53

Technology for water supply and sanitation in developing countries. Report of a WHO Study Group. **WHO Tech Rep Ser** 1987;742:1–38

[Enteroparasitosis in school children of Chonchi and its relation with some factors of basic sanitation. Insular Chiloé, X Region, Chile] Figueroa L, et al. **Bol Chil Parasitol** 1985 Jul–Dec;40(3–4):94–6 (Eng. Abstr.) **(Spa)**

[Incidence of typhoid-paratyphoid infections in Valencia in relation to the levels of drinking water purification and sanitation conditions] Llopis González A, et al. **Rev Sanid Hig Publica (Madr)** 1986 May–Jun; 60(5–6):443–50 (Eng. Abstr.) **(Spa)**

HISTORY

[From the sanitary service of the Royal Norwegian Naval forces in Great Britain during the war 1940–1945. Revolutionary progress in the treatment of syphilis and gonorrhea] Kvittingen J. **Tidsskr Nor Laegeforen** 1987 Jun 20;107(17–18):1528–32 **(Nor)**

STANDARDS

Training public health engineers in developing countries. Diamant BZ. **J R Soc Health** 1987 Feb;107(1):11–4, 18

The inspection of international cruise ships [letter] Marcus LC. **JAMA** 1986 Oct 10;256(14):1895

Water supplies and sanitary facilities in rural Transkei. Tshibangu NN. **S Afr Med J** 1987 Mar 21;71(6):368–9

Water supply, sanitation and health education programmes in developing countries: problems of evaluation. Lindskog U, et al. **Scand J Soc Med** 1987;15(3):123–30

[Evaluation of sanitary-bacteriologic control in obstetric hospitals] Zakhar'evskaia NS, et al. **Gig Sanit** 1987 Mar; (3):82–3 **(Rus)**

[Experience working with public sanitary inspectors in occupational hygiene] Loskutov VN. **Gig Tr Prof Zabol** 1986 Nov;(11):51 **(Rus)**

[Various problems of sanitary control at animal breeding farms] Tsapko VG, et al. **Gig Tr Prof Zabol** 1986 Sep; (9):42–3 **(Rus)**

[Use of synthetic cleaning agents for tableware] Kochenovskii AF, et al. **Voen Med Zh** 1987 Apr;(4):54–5 **(Rus)**

TRENDS

External support for water supply and sanitation in the Americas: current resources and future plans. **Bull Pan Am Health Organ** 1986;20(2):209–15

SANTONIN

ANALYSIS

[Helenine and santonine, the 12-carboxy-eudesma-3,11(13) diene] Azoulay P, et al. **Pharm Acta Helv** 1986; 61(12):345–52 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Synthesis and in vitro cytotoxic activity of semisynthetic derivatives in the santonin series. Rossi C, et al. **J Pharm Sci** 1986 Aug;75(8):784–6

SAO PAULO TYPHUS see **ROCKY MOUNTAIN SPOTTED FEVER**

SAPHENOUS VEIN

Saphenous vein aneurysms after aortocoronary bypass grafting: postoperative interval and hyperlipidemia as determining factors. Teja K, et al. **Am Heart J** 1987 Jun; 113(6):1527–9

Balloon distension systems [letter] Bonchek LI. **Ann Thorac Surg** 1987 Apr;43(4):458

The case for not stripping the long saphenous vein [letter] Schraubman IG. **Br J Hosp Med** 1987 Feb;37(2):178

Developing antler, a model for endocrine regulation of bone growth. Concentration gradient of T3, T4, and alkaline phosphatase in the antler, jugular, and the saphenous veins. Bubenik GA, et al. **Calcif Tissue Int** 1987 Jul;41(1):38–43

Leiomyosarcoma of the saphenous vein. A case report and review of the literature. Humphrey M, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):282–6

Prevention of early restenosis and thrombosis–occlusion after carotid endarterectomy by saphenous vein patch angioplasty. Archie JP Jr. **Stroke** 1986 Sep–Oct;17(5):901–5

Primary great saphenous varicose veins revisited. Ludbrook J. **World J Surg** 1986 Dec;10(6):954–8

[Doppler and ultrasonic diagnosis in sclerosis of the saphenous veins] Schadeck M. **Phlebologie** 1986 Jul–Sep; 39(3):697–716 (Eng. Abstr.) **(Fre)**

[Venous aneurysm. Report of a case] Piccinato CE, et al. **AMB** 1986 Mar–Apr;32(3–4):71–2 (Eng. Abstr.) **(Por)**

ANATOMY & HISTOLOGY

B-mode ultrasonic imaging in the preoperative evaluation of saphenous vein. Buchbinder D, et al. **Am Surg** 1987 Jul; 53(7):368–72

Modified new approaches for rapid intravenous access. Simon RR, et al. **Ann Emerg Med** 1987 Jan;16(1):44–9

Preoperative saphenous and cephalic vein mapping as an adjunct to reconstructive arterial surgery. Seeger JM, et al. **Ann Surg** 1987 Jun;205(6):733–9

DRUG EFFECTS

Beta-2 adrenoceptor-mediated relaxation of the isolated human saphenous vein. Ikezono K, et al. **J Pharmacol Exp Ther** 1987 Apr;241(1):294–9

The cytotoxic effect of surgical glove powder particles on adult human vascular endothelial cell cultures: implications for clinical uses of tissue culture techniques. Sharefkin JB, et al. **J Surg Res** 1986 Nov;41(5):463–72

[Vasoconstrictor effects on isolated vessel segments determined by pressure-volume measurements] Weiss A, et al. **Biomed Biochim Acta** 1986;45(10):1285–93 (Eng. Abstr.) **(Ger)**

INJURIES

Intraluminal shunting of operatively severed aortocoronary saphenous vein grafts. Robison RJ, et al. **Ann Thorac Surg** 1986 Oct;42(4):475–6

Rupture of a saphenous vein bypass graft during coronary angioplasty. Drummer E, et al. **Br Heart J** 1987 Jul; 58(1):78–81

Traumatic venous aneurysm. Case report. Aprin H, et al. **Clin Orthop** 1987 Apr;(217):243–6

Intimal response of saphenous vein to intraluminal trauma by stimulated angioscopic insertion. Hashizume M, et al. **J Vasc Surg** 1987 Jun;5(6):862–8

INNERVATION

Mechanosensitive afferents of femoral-saphenous vein. Davenport PW, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R367–70

Anatomy of the saphenous nerve: relevance to saphenous vein stripping. Ramasastry SS, et al. **Am Surg** 1987 May; 53(5):274–7

Tetrodotoxin-resistant relaxation to transmural nerve stimulation in canine saphenous veins: a possible neural origin. Senaratne MP, et al. **Can J Physiol Pharmacol** 1986 Oct;64(10):1328–34

Denervation augments alpha-2 but not alpha-1 adrenergic responses in canine saphenous veins. Flavahan NA, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):589–93

METABOLISM

Whole-cell and single-channel calcium currents of isolated smooth muscle cells from saphenous vein. Yatani A, et al. **Circ Res** 1987 Apr;60(4):523–33

Differential effects of oral low-dose aspirin on prostacyclin synthesis by saphenous or mesenteric venous tissues [letter] de Gaetano G, et al. **Thromb Haemost** 1986 Aug 20; 56(1):110

PATHOLOGY

Comparison of morphologic changes and luminal sizes of saphenous vein and internal mammary artery after simultaneous implantation for coronary arterial bypass grafting. Kalan JM, et al. **Am J Cardiol** 1987 Jul 1; 60(1):193–6

Saphenous saccule [letter] Tibbs DJ. **Br J Surg** 1986 Oct; 73(10):862

Atherosclerosis after coronary artery bypass surgery: results of recent studies and recommendations regarding prevention. Bourassa MG, et al. **Cardiology** 1986; 73(4–5):259–68 (48 ref.)

Thromboangiitis obliterans (Buerger's disease) in a saphenous vein arterial graft. Lie JT. **Hum Pathol** 1987 Apr; 18(4):402–4

[Microscopic analysis of saphenous veins used for aortocoronary bypass] Noera G, et al. **G Ital Cardiol** 1986 Dec;16(12):1037–42 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Inorganic phosphate inhibits sympathetic neurotransmission in canine saphenous veins. Edoute Y, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H131–4

Flunarizine and alpha-adrenergic responses in isolated canine saphenous veins. Daskalopoulos DA, et al. **Gen Pharmacol** 1987;18(2):193–6

Contractions of postmortem human saphenous veins perfused with pulsatile flow. Iino T, et al. **Heart Vessels** 1986; 2(3):154–60

Valvular obstruction of blood flow through saphenous veins. Walsh DB, et al. **J Surg Res** 1987 Jan;42(1):39–42

The contribution of valves to saphenous vein graft resistance. Ku DN, et al. **J Vasc Surg** 1987 Sep;6(3):274–9

[Heterogeneity of purinergic P2 receptors at the level of the caudal artery of the rat and the saphenous vein of the dog] Saiag B, et al. **C R Soc Biol (Paris)** 1987;181(2):168–77 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The intriguing problem of varicose veins. Tibbs DJ. **Int Angiol** 1986 Oct–Dec;5(4):289–95

[Pathophysiologic basis of crural ulcers] Szlachta R, et al. **Przegl Dermatol** 1986 May–Jun;73(3):245–7 (10 ref.) **(Pol)**

RADIOGRAPHY

Graft disease in coronary artery bypass patients [letter] Ferguson TB. **J Thorac Cardiovasc Surg** 1987 Jun; 93(6):942–3

[Peroperative opacification of the terminal portion of the external saphenous vein] Lagadec B. **Phlebologie** 1987 Apr–Jun;40(2):399–407 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Primary saphenous venous aneurysms presenting in a child. Yasumoto M, et al. **Clin Nucl Med** 1987 Jan;12(1):29–30

SURGERY

In situ saphenous vein bypass: 1962 to 1987. Connolly JE. **Am J Surg** 1987 Jul;154(1):2–10 (49 ref.)

Popliteal-to-tibial in situ saphenous vein bypass for limb salvage in diabetic patients. Rhodes GR, et al. **Am J Surg** 1987 Aug;154(2):245–7

Use of the short saphenous vein in situ for popliteal-to-distal artery bypass. Shandall AA, et al. **Am J Surg** 1987 Aug; 154(2):240–4

Progression of arteriosclerotic disease in the failed infrainguinal bypass. Gutierrez IZ, et al. **Am Surg** 1987 Sep;53(9):482–4

The effects of aspirin, dipyridamole and warfarin in femorodistal reconstruction: long-term results. Rosenthal D, et al. **Am Surg** 1987 Sep;53(9):477–81

Perioperative complications of in-situ vein bypass [letter] Loughlin V. **Ann R Coll Surg Engl** 1987 Jan;69(1):40

In situ artery bypass. Surgery for leg salvage. Bensen JL, et al. **AORN J** 1987 Jan;45(1):40–9, 52–5

Clinical, hemodynamic, and anatomic follow-up of direct venous reconstruction. O'Donnell TF Jr, et al. **Arch Surg** 1987 Apr;122(4):474–82

Intraluminal long saphenous vein stripping: a technique minimizing perivenous tissue trauma. Fullarton GM, et al. **Br J Surg** 1987 Apr;74(4):255

A simple vascular access for hemodialysis in "desperate" cases. De Rosa P, et al. **Ital J Surg Sci** 1986;16(3):209–10

Psoriasis as a complication of saphenous vein phlebectomy. Benson CH, et al. **J Miss State Med Assoc** 1987 Jun; 28(6):139–40

A surgical preparative technique for coronary bypass grafts of human saphenous vein which preserves medial and endothelial functional integrity. Angelini GD, et al. **J Thorac Cardiovasc Surg** 1987 Sep;94(3):393–8

Durability of the in situ saphenous vein arterial bypass: a comparison of primary and secondary patency. Bandyk DF, et al. **J Vasc Surg** 1987 Feb;5(2):256–68

A comparison of in situ and reversed saphenous vein grafts for infrainguinal reconstruction. Fogle MA, et al.

J Vasc Surg 1987 Jan;5(1):46–52

An improved Leather valve cutter for in situ saphenous vein arterial bypass. Blebea J, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):579–80

[Saphenectomy in patients over 65. Indications and results] Beaurain D, et al. **Phlebologie** 1986 Oct–Dec;39(4):887–93 (Eng. Abstr.) **(Fre)**

[Headache as a postoperative symptom of patients subjected to saphenectomy using subarachnoid analgesia] Chiarenza S, et al. **Phlebologie** 1986 Jul–Sep;39(3):737–42 (Eng. Abstr.) **(Fre)**

[Esthetic saphenectomy] Trauchessec JM. **Phlebologie** 1987 Apr–Jun;40(2):409–22 (Eng. Abstr.) **(Fre)**

[Stripping of the external saphenous vein. Use of the Hall Chevallier stripper] Taieb–Birnbaum W. **Presse Med** 1986 Sep 20;15(30):1421 (Eng. Abstr.) **(Fre)**

[Surgical approach in recurrent varicosis of the stump of the great saphenous vein] Helmig L, et al. **Chirurg** 1987 Mar;58(3):176–8 **(Ger)**

[Surgical and sclerosing therapy of varices of the legs] Lapilli A, et al. **Minerva Cardioangiol** 1987 Apr;35(4):219–24 (Eng. Abstr.) **(Ita)**

[Ultrasonic indication of the great saphenous vein before the Troianov–Trendelenburg operation] Sergeev ED, et al. **Khirurgiia (Mosk)** 1986 Dec;(12):117–8 **(Rus)**

[Transport function of lymphovenous anastomosis] Kirpatovskii ID, et al. **Vestn Khir** 1986 Sep;137(9):64–7 (Eng. Abstr.) **(Rus)**

[Lipomatous evolution of surgical wounds following radical saphenectomy: an unusual complication] Marongiu G, et al. **Angiologia** 1987 Jan–Feb;39(1):33–5 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Spasm of saphenous veins used as conduits for aortocoronary bypass grafting. Mann JM, et al. **Am J Cardiol** 1987 Apr 15;59(9):1000–2

Nonoperative management of aortocoronary saphenous vein graft rupture during percutaneous transluminal coronary angioplasty. Teirstein PS, et al. **Am J Cardiol** 1987 Aug 1;60(4):377–8

Autogenous reversed vein bypass for lower extremity ischemia in patients with absent or inadequate greater saphenous vein. Taylor LM Jr, et al. **Am J Surg** 1987 May; 153(5):505–10

Distal anastomotic obstruction with patent infrainguinal bypass. Hans SS, et al. **Am Surg** 1986 Nov;52(11):607–10

The evolution of morphologic and biomechanical changes in reversed and in-situ vein grafts. Cambria RP, et al. **Ann Surg** 1987 Feb;205(2):167–74

The healing characteristics of autogenous saphenous vein used in the reconstruction of previously implanted arterial saphenous vein grafts. Karlson KJ, et al. **Ann Thorac Surg** 1987 Jun;43(6):648–52

Harvesting of lesser saphenous vein [letter] Spyt TJ, et al. **Ann Thorac Surg** 1987 Jun;43(6):690

A simple intraoperative assessment of saphenous vein arterial grafts [letter] Le Maitre GD. **Arch Surg** 1987 Jan;122(1):121

The management of early in situ saphenous vein bypass occlusions. Shoenfeld NA, et al. **Arch Surg** 1987 Aug; 122(8):871–5

Branched nonreversed saphenous vein graft for complex renal artery stenosis. Whittemore AD, et al. **Arch Surg** 1987 Jul;122(7):846–7

Long saphenous vein harvesting. Meldrum–Hanna W, et al. **Aust NZ J Surg** 1986 Dec;56(12):923–4

A study of the saphenous venous island flap in the dog without arterial inflow using a non–biological conduit across a part of the length of the vein. Thatte RL, et al. **Br J Plast Surg** 1987 Jan;40(1):11–5

Prospectively randomized clinical trial to compare in situ and reversed saphenous vein grafts for femoropopliteal bypass. Harris PL, et al. **Br J Surg** 1987 Apr;74(4):252–5

Transluminal angioplasty in the treatment of mesenteric vein graft stenosis. Howd A, et al. **Cardiovasc Intervent Radiol** 1987;10(1):43–5

Magnetic resonance imaging of spiral vein graft bypass of superior vena cava in fibrosing mediastinitis. Levitt RG, et al. **Chest** 1986 Nov;90(5):676–80

Comparison of perioperative and postoperative phasic blood flow in aortocoronary venous bypass grafts by means of pulsed Doppler echocardiography with implantable microprobes. Payen D, et al. **Circulation** 1986 Nov;74(5 Pt 2):III61–7

Incidence of erysipelas following venectomy for coronary artery bypass surgery. Dan M, et al. **Infection** 1987 Mar–Apr;15(2):107–8

Post–saphenous phlebectomy donor leg cellulitis. Downey MS, et al. **J Am Podiatr Med Assoc** 1987 Jun;77(6):277–83

Intra–operative and post–operative flow in the in–situ saphenous vein bypass. Corson JD, et al. **J Cardiovasc Surg (Torino)** 1987 Jul–Aug;28(4):445–8

Saphenous vein bypass grafts for giant aneurysms and intracranial occlusive disease. Sundt TM Jr, et al. **J Neurosurg** 1986 Oct;65(4):439–50

Drapanas shunt using a spiral saphenous vein graft. Kaufman BH, et al. **J Pediatr Surg** 1987 Jan;22(1):3–6

An alternative method for distal extremity bypass with a short greater saphenous vein. Gonzalez GD, et al. **J SC Med Assoc** 1986 Oct;82(10):625–30

Vasoactive drug effects on blood flow in internal mammary artery and saphenous vein grafts. Jett GK, et al. **J Thorac Cardiovasc Surg** 1987 Jul;94(1):2–11

Congenital ostial stenosis of the right coronary artery repaired by vein patch angioplasty. Lea JW 4th, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):796–8

Does the in situ technique for autologous vein femoropopliteal bypass offer any hemodynamic advantage? Beard JD, et al. **J Vasc Surg** 1986 Dec;4(6):588–94

Improved patency in reversed femoral–infrapopliteal autogenous vein grafts by early detection and treatment of the failing graft. Berkowitz HD, et al. **J Vasc Surg** 1987 May;5(5):755–61

Angioscopically monitored saphenous vein valvulotomy. Fleisher HL 3d, et al. **J Vasc Surg** 1986 Oct;4(4):360–4

Does the in situ technique improve flow characteristics in femoropopliteal bypass? Gannon MX, et al. **J Vasc Surg** 1986 Dec;4(6):595–9

A modified technique for use of the intraluminal valve cutter in in situ saphenous vein grafts. Hollis HW Jr, et al. **J Vasc Surg** 1987 Aug;6(2):124–6

In situ versus reversed vein graft: is one superior? Porter JM. **J Vasc Surg** 1987 May;5(5):779–80

Real–time duplex ultrasound mapping of the greater saphenous vein before in situ infrainguinal revascularization. Ruoff BA, et al. **J Vasc Surg** 1987 Aug; 6(2):107–13

Superficial femoral–popliteal veins and reversed saphenous veins as primary femoropopliteal bypass grafts: a randomized comparative study. Schulman ML, et al. **J Vasc Surg** 1987 Jul;6(1):1–10

A clinical method for the detection of arteriovenous fistulas during in situ great saphenous vein bypass. Shearman CP, et al. **J Vasc Surg** 1986 Dec;4(6):578–81

The lesser saphenous vein: autogenous tissue for lower extremity revascularization. Weaver FA, et al. **J Vasc Surg** 1987 May;5(5):687–92

Results of prosthetic grafts in femoro–crural bypass operations as compared to autogenous saphenous vein grafts. Van de Pavoordt HD, et al. **Neth J Surg** 1986 Dec; 38(6):177–9

In situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications [letter] LeMaitre GD. **Radiology** 1987 May;163(2):583–4

Direct vision valvulotomy for nonreversed vein graft. Matsumoto T, et al. **Surg Gynecol Obstet** 1987 Aug; 165(2):180–2

An improved skin grid for intraoperative angiography during in situ saphenous vein bypass. Schwartz JA, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):383–4

Alternative autogenous vein grafts to the inadequate saphenous vein. Harris RW, et al. **Surgery** 1986 Nov; 100(5):822–7

Vascular reconstruction for limb salvage in soft tissue sarcomas. Nambisan RN, et al. **Surgery** 1987 Jun; 101(6):668–77

Immunocytochemistry of obstructed saphenous vein–coronary artery bypass grafts. Brody JI, et al. **Trans Assoc Am Physicians** 1986;99:20–7

Prognostic factors contributing to the long–term failure of femorotibial grafts. Harjola PT, et al. **Vasa** 1987;16(1):45–9

Prostaglandin E1 as an adjuvant therapy in the event of femoropopliteal and crural great saphenous vein in situ bypass surgery. Fietze–Fischer B, et al. **Vasa [Suppl]** 1987; 17:23–5

[Treatment of facial atrophy with arterialized vein in a fat–tendon flap] Ying RQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):228–30, 254 (Eng. Abstr.) **(Chi)**

[Use of microsurgery for re–establishing blood circulation in late thromboangiitis obliterans] Cai JF, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Aug;24(8):467–70, 509 (Eng. Abstr.) **(Chi)**

[Staged arteriovenous reversal in the treatment of severely ischemic lower extremities] Sun JM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Nov;24(11):664–7, 699 (Eng. Abstr.) **(Chi)**

[Sequential internal mammary artery bypass for multiple coronary stenoses] Chauvaud S, et al. **Arch Mal Coeur** 1986 Aug;79(9):1287–92 (Eng. Abstr.) **(Fre)**

[Erysipelas on the cicatrix after excision of the saphenous vein for aortocoronary bypass (letter)] Stark P, et al. **Presse Med** 1986 Jul 5–12;15(27):1284 **(Fre)**

[Femorocrural venous bypass in situ] Lichtsteiner M. **Schweiz Rundsch Med Prax** 1987 May 26;76(22):617–9 (Eng. Abstr.) **(Ger)**

[Autologous venous bypass in the therapy of arterial occlusive disease of the femoropopliteal area: long–term results] Kretschmer G, et al. **Wien Klin Wochenschr** 1986 Dec 19;98(24):830–8 (Eng. Abstr.) **(Ger)**

[Complications after removal of the saphenous vein for aortocoronary bypass] Romolo M, et al. **Minerva Cardioangiol** 1986 Jun;34(6):461–4 (Eng. Abstr.) **(Ita)**

[Association of lumbar sympathectomy and bypass in the treatment of femoro–popliteal obstructive arteriopathies] Caldarelli GF, et al. **Minerva Chir** 1987 Jan 31;42(1–2):33–7 (Eng. Abstr.) **(Ita)**

[Vein perfusion system for harvesting saphenous vein grafts for coronary bypass surgery] Suma H, et al. **Kyobu Geka** 1986 Aug;39(8):622–3 (Eng. Abstr.) **(Jpn)**

[A case report of aorto–coronary bypass surgery in Kawasaki disease using the technic of non–reversed saphenous vein grafting] Takeuchi Y, et al. **Kyobu Geka** 1986 Aug; 39(8):657–61 (Eng. Abstr.) **(Jpn)**

[Fate of aortocoronary vein grafts] Okamoto Y. **Nippon Geka Hokan** 1986 Jul 1;55(4):495–6 **(Jpn)**

[Report of 2 cases of aneurysm of saphenous vein–coronary artery bypass graft] Harada H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):2012–6 (Eng. Abstr.) **(Jpn)**

[The long–term result of grafted saphenous vein in the children with Kawasaki disease] Takeuchi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Jan;35(1):54–60 (Eng. Abstr.) **(Jpn)**

[Surgical myocardial revascularization with sequential saphenous bypass] Dinkhuysen JJ, et al. **Arq Bras Cardiol** 1986 Mar;46(3):157–63 (Eng. Abstr.) **(Por)**

[Femorotibial bypass with non–reversed saphenous vein. Report of 5 cases] Albers MT, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):290–2 (Eng. Abstr.) **(Por)**

[Direct myocardial revascularization by inferior retrocava saphenous bypass to the posterior ventricular branch of the right coronary artery (letter)] Fontes RD, et al. **Rev Paul Med** 1986 Sep–Oct;104(5):287–8 **(Por)**

[Femoropopliteal venous bypass in situ] Paškan J. **Rozhl Chir** 1986 Aug;65(8–9):612–6 (Eng. Abstr.) **(Slo)**

SAPOGENINS

ANALYSIS

[Determination of total aralosides in Aralia mandshurica grown in Jilin and Liaoning Provinces] Dong WC. **Chung Yao Tung Pao** 1986 Jul;11(7):44–6 **(Chi)**

ISOLATION & PURIFICATION

Barbourgenin, a new steroidal sapogenin from Agave sisalana leaves. Blunden G, et al. **J Nat Prod** 1986 Jul–Aug; 49(4):687–9

Isolation and partial purification of Lantana (Lantana camara L.) toxins. Sharma OP, et al. **Toxicol Lett** 1987 Jul; 37(2):165–72

[Chemical constituents of heiman (Tripterygium regelii)] Gao QP. **Chung Yao Tung Pao** 1987 Jan;12(1):41–2 **(Chi)**

PHARMACODYNAMICS

Inhibitory effects of ursolic and oleanolic acid on skin tumor promotion by 12–O–tetradecanoylphorbol–13–acetate. Tokuda H, et al. **Cancer Lett** 1986 Dec;33(3):279–85

Inhibition of glucosyltransferase from Streptococcus mutans by oleanolic acid and ursolic acid. Kozai K, et al. **Caries Res** 1987;21(2):104–8

In vivo and in vitro studies of hypocholesterolemic effects of diosgenin in rats. Juarez–Oropeza MA, et al. **Int J Biochem** 1987;19(8):679–83

Effect of feeding Sarsaponin in cattle and swine diets. Mader TL, et al. **J Anim Sci** 1987 Jul;65(1):9–15

Effects of synthetic glycosides on steroid balance in Macaca fascicularis. Malinow MR, et al. **J Lipid Res** 1987 Jan; 28(1):1–9

SAPONINS

Specific interaction of arabinose residue in ginsenoside with egg phosphatidylcholine vesicles. Fukuda K, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):267–74

Physiological and structural properties of saponin–skinned single smooth muscle cells. Kargacin GJ, et al. **J Gen Physiol** 1987 Jul;90(1):49–73

Reevaluation, using marker enzymes, of the ability of saponin and ammonium chloride to free Plasmodium from infected erythrocytes. Beaumelle BD, et al. **J Parasitol** 1987 Aug; 73(4):743–8

ADMINISTRATION & DOSAGE

[Venotropic therapy: results of clinical experimentation] Desogus AI, et al. **Clin Ter** 1986 Sep 15;118(5):339–42 (Eng. Abstr.) **(Ita)**

ANALYSIS

Tubeimoside I, a new cyclic bisdesmoside from Chinese cucurbitaceous folk medicine "tu bei mu", a tuber of Bolbostemma paniculatum. Kasai R, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep;34(9):3974–7

Saponins from Panax pseudo–ginseng Wall. subsp. pseudo–ginseng Hara collected at Nielamu, Tibet, China. Morita T, et al. **Chem Pharm Bull (Tokyo)** 1986 Nov; 34(11):4833–5

Solubilizing properties of saponins from Sapindus mukurossi Gaertn. Nakayama K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3279–83

[Comparative study of Jilin red ginseng and Korean red ginseng (IV): Determination of ginseng saponins by means of HPTLC] Li XG. **Chung Yao Tung Pao** 1986 Oct; 11(10):40–2 **(Chi)**

[Effect of B9 on the chemical components of Panax ginseng] Zou N. **Chung Yao Tung Pao** 1986 Dec;11(12):8–9 **(Chi)**

ISOLATION & PURIFICATION

[Chemical studies on the stems of Panax ginseng C.A. Meyer: (1). Isolation and identification of ginseng stem saponins I, II and III] Yang Z. **Chung Yao Tung Pao** 1987 Mar;

12(3):36–40 (Chi)
[Studies on the chemical constituents of Chinese red ginseng (II)] Xu SX, et al. **Yao Hsueh Hsueh Pao** 1986 May; 21(5):356–60 (Eng. Abstr.) (Chi)

METABOLISM

[Pharmacokinetics and tissue distribution of [3H]ginsenoside Rg1] Huo YS, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):519–21 (Eng. Abstr.) (Chi)

PHARMACODYNAMICS

The influence of Boicil on some morphologic and physiologic traits of human diploid cells. Dima VF, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):13–32
Effects of Boicil on some immunocompetent cells. I. In vitro modulation of the human peripheral blood lymphocyte functions. Olinescu A, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):33–45
A steryl glycoside fraction from Momordica charantia seeds with an inhibitory action on lipid metabolism in vitro. Ng TB, et al. **Biochem Cell Biol** 1986 Aug;64(8):766–71
Stimulation of mixed-function oxidation by NADPH in perfused mouse livers. Studies with saponin–permeabilized tissue. Wu YR, et al. **Biochem Pharmacol** 1986 Oct 15; 35(20):3607–12
Alterations by saponins of passive Ca2+ permeability and Na+–Ca2+ exchange activity of canine cardiac sarcolemmal vesicles. Yamasaki Y, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):481–7
Plant-glycoside modulation of cell surface related to control of differentiation in cultured B16 melanoma cells. Ota T, et al. **Cancer Res** 1987 Jul 15;47(14):3863–7
Immunopotentiation by SGP and Quil A. II. Identification of responding cell populations. Flebbe LM, et al. **Cell Immunol** 1986 Apr 15;99(1):128–39
Immunopotentiating effects of the adjuvants SGP and Quil A. I. Antibody responses to T-dependent and T-independent antigens. Flebbe LM, et al. **Cell Immunol** 1986 Apr 15;99(1):119–27
Chronic effects of ginseng saponin, glycyrrhizin and flavin adenine dinucleotide on adrenal and thymus weight in normal and dexamethasone-treated rats. Hiai S, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):241–8
Beneficial changes in prostacyclin and thromboxane A2 induced by ginsenosides in myocardial infarction and reperfusion injury in dogs. Fang YX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):226–30
Ginsenoside RG1 and corticosteroid receptors in rat brain. de Kloet ER, et al. **Endocrinol Jpn** 1987 Apr;34(2):213–20
Chemical removal of the endothelium by saponin in the isolated dog femoral artery. Samata K, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):85–91
Enhancement of vasoconstrictor responses to thiopental and barium chloride by intraluminal treatment with saponin in isolated canine mesenteric arteries. Chiba S, et al. **Heart Vessels** 1986;2(2):102–5
Responses of isolated and perfused dog coronary arteries to acetylcholine, norepinephrine, KCl, and diltiazem before and after removal of the endothelial cells by saponin. Nakane T, et al. **Heart Vessels** 1986;2(4):221–7
Adjuvant effects of orally administered saponins on humoral and cellular immune responses in mice. Chavali SR, et al. **Immunobiology** 1987 May;174(3):347–59
Effect of soya saponins on gold thioglucose (GTG)-induced obesity in mice. Kawano-Takahashi Y, et al. **Int J Obes** 1986;10(4):293–302
Effect of feeding Sarsaponin in cattle and swine diets. Mader TL, et al. **J Anim Sci** 1987 Jul;65(1):9–15
Alteration of fermentation in continuous culture of mixed rumen bacteria by isolated alfalfa saponins. Lu CD, et al. **J Dairy Sci** 1987 Apr;70(4):799–805
Antitumor agents, 82. Cytotoxic sapogenols from Aesculus hippocastanum. Konoshima T, et al. **J Nat Prod** 1986 Jul–Aug;49(4):650–6
Influence of saponins on gut permeability and active nutrient transport in vitro. Johnson IT, et al. **J Nutr** 1986 Nov; 116(11):2270–7
Alfalfa saponins affect site and extent of nutrient digestion in ruminants. Lu CD, et al. **J Nutr** 1987 May;117(5):919–27
Effects of ginsenosides and pantocrine on the reproductive endocrine system in male rats. Ge RY, et al. **J Tradit Chin Med** 1986 Dec;6(4):301–4
The immunoregulatory effects of ginsenoside in vivo and in vitro. Yang GZ, et al. **J Tradit Chin Med** 1986 Sep; 6(3):191–4
Effects of various soyasaponins on liver tyrosine aminotransferase activity induced by cortisone in adrenalectomized rats. Kimura Y, et al. **Planta Med** 1986 Dec;(6):482–3
Effects of soyasaponins on liver tyrosine aminotransferase activity induced by cortisone in adrenalectomized rats. Okuda H, et al. **Planta Med** 1986 Oct;(5):406–7
Ginsenoside modulates K+-stimulated noradrenaline release from rat cerebral cortex slices. Tsang D, et al. **Planta Med** 1986 Aug;(4):266–8
Focal cell contacts detected by ruthenium red, triton X100 and saponin in the granulosa cells of mouse ovary. Familiari G, et al. **Tissue Cell** 1987;19(2):207–15
The susceptibility of Cryptococcus neoformans to an antimycotic agent (G2) from alfalfa. Polacheck I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):481–6
[Effects of ginseng root saponins on central transmitters and plasma corticosterone in warm-stress rats] Cheng XJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):6–8 (Eng. Abstr.) (Chi)
[Effect of the total saponins of Panax notogiseng on contraction of rabbit aortic strips] Guan YY, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):267–9 (Eng. Abstr.) (Chi)
[Anti-inflammatory effects of total saponins of Panax notoginseng] Hao CQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):252–5 (Eng. Abstr.) (Chi)
[Effects of ginsenosides and demethylcoclaurine on hemodynamics in dogs under septic shock] Shen YT, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):439–42 (Eng. Abstr.) (Chi)
[Pharmacological studies on notoginseng saponins isolated from the fibrous root of Panax notoginseng] Chen QS. **Chung Yao Tung Pao** 1987 Mar;12(3):45–7 (Chi)
[Effects of saponins extracted from the Panax ginseng rhizome on primary cultured heart cells of the neonatal rat] Gong JL. **Chung Yao Tung Pao** 1987 Mar;12(3):47–9 (Chi)
[The protective effect of ginsenosides and its components on myocytes anoxia/reoxygenation and myocardial reperfusion injury] Li YJ, et al. **Yao Hsueh Hsueh Pao** 1987 Jan;22(1):1–5 (Eng. Abstr.) (Chi)
[The antifungal action of triterpene saponins of Solidago virgaurea L.] Bader G, et al. **Pharmazie** 1987 Feb;42(2):140 (Ger)
[Effect of beta-aescin on the incidence of sister chromatid exchanges in V79 cells] Chalupa I, et al. **Bratisl Lek Listy** 1987 Jan;87(1):51–61 (Eng. Abstr.) (Slo)

THERAPEUTIC USE

[Use of tribestan on rams with sexual disorders] Dimitrov M, et al. **Vet Med Nauki** 1987;24(5):102–10 (Eng. Abstr.) (Bul)
[Protective effect of radix notoginseng on acute incomplete cerebral ischemia in rabbits] Li LX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):109–12 (Eng. Abstr.) (Chi)
[Value of using Reparil-gel in sports traumatology] Crielaard JM, et al. **Acta Belg Med Phys** 1986 Oct–Dec;9(4):287–98 (Fre, Dut)
[Anti-ulcer action of chikusetsusaponin III] Yamahara J, et al. **Yakugaku Zasshi** 1987 Feb;107(2):135–9 (Eng. Abstr.) (Jpn)

TOXICITY

[The effect of beta-aescin, a saponin, on prenatal development in mice] Ujházy E, et al. **Bratisl Lek Listy** 1987 Jan;87(1):76–84 (Eng. Abstr.) (Slo)

1-SAR-8-ALA ANGIOTENSIN II see **SARALASIN**

SARALASIN

PHARMACODYNAMICS

Vasopressin release after enhanced serotonergic transmission is not due to activation of the peripheral renin–angiotensin system. Steardo L, et al. **Brain Res** 1986 Sep 10; 382(1):145–8
Saralasin blocks the effect of angiotensin II and extracellular fluid saline expansion on the Na-K-ATPase inhibitor release in rats. Balda MS, et al. **Clin Exp Hypertens [A]** 1986;8(6):997–1008
Renal vascular responses to saralasin in conscious chemically denervated rabbits and patients with tetraplegia. Unwin RJ, et al. **Clin Exp Hypertens [A]** 1986;8(6):919–39
Effect of Ca++ channel blockers and saralasin on angiotensin II induced contraction in rabbit aortic strip. Kheterpal K, et al. **Indian J Physiol Pharmacol** 1986 Apr–Jun;30(2):166–70
Studies on mechanisms of antinephritic action of SA-446 an angiotensin I converting enzyme inhibitor (I). A comparison with actions of spironolactone, kallidinogenase and saralasin. Suzuki Y, et al. **Jpn J Pharmacol** 1986 Dec; 42(4):465–75
Mechanisms of the angiotensin II effects on the exploratory behavior of rats in open field. I. Interaction of angiotensin II with saralasin and catecholaminergic drugs. Georgiev V, et al. **Methods Find Exp Clin Pharmacol** 1987 May; 9(5):297–301

SARCINA

PHYSIOLOGY

Physiological adaptations of anaerobic bacteria to low pH: metabolic control of proton motive force in Sarcina ventriculi. Goodwin S, et al. **J Bacteriol** 1987 May; 169(5):2150–7

SARCOCYSTIS see **SARCOSPORIDIA**

SARCODINA

ULTRASTRUCTURE

Novel extracellular matrix and microtubule cables associated with pseudopodia of Astrammina rara, a carnivorous Antarctic foraminifer. Bowser SS, et al. **J Ultrastruct Mol Struct Res** 1986 Feb;94(2):149–60

SARCOIDOSIS

Nasal sarcoidosis—a review and a case report. Szabados E, et al. **Acta Chir Hung** 1987;28(1):39–48 (46 ref.)
Sarcoidosis. **Clin Dermatol** 1986 Oct–Dec;4(4):1–175
Sarcoidosis: past, present, and future concepts. James DG. **Clin Dermatol** 1986 Oct–Dec;4(4):1–9 (40 ref.)
Recent trends in cardiac sarcoidosis research in Japan. Sekiguchi M, et al. **Heart Vessels** 1985;Suppl 1:45–9
5th European Conference on Sarcoidosis and other Granulomatous Disorders. Vienna, August 27th–30th, 1986. **Sarcoidosis** 1986 Sep;3(2):101–200
Sarcoidosis has no boundaries. Israel HL. **Sarcoidosis** 1984 Sep;1(1):36–8
The Baltimore Conference.(Tenth International Conference on Sarcoidosis). James DG. **Sarcoidosis** 1985 Mar;2(1):2–5
In honour of the past, present and future. James DG. **Sarcoidosis** 1986 Sep;3(2):101–3
Europe's contribution to the sarcoidosis movement. European Conferences on Sarcoidosis. Klech H. **Sarcoidosis** 1986 Sep;3(2):106–7
Sarcoidosis: a worldwide phenomenon. Sharma OP. **Sarcoidosis** 1984 Sep;1(1):11–5
[Mediastino-pulmonary sarcoidosis in children] Baculard A. **Presse Med** 1987 May 30;16(20):982–4 (Fre)

BLOOD

Increased parathyroid hormone in a patient with sarcoidosis and hypercalcemia. Franck H, et al. **Klin Wochenschr** 1987 Aug 3;65(15):737
Elevated serum neopterin levels in sarcoidosis. Eklund A, et al. **Lung** 1986;164(6):325–32
Markers of activity of sarcoidosis. Rizzato G. **Sarcoidosis** 1985 Mar;2(1):12–5
Relation between clinical stage of sarcoidosis and serum values of angiotensin converting enzyme and beta2-microglobulin. Selroos O, et al. **Sarcoidosis** 1987 Mar;4(1):13–7
Value of biochemical markers in serum for determination of disease activity in sarcoidosis. Selroos OB. **Sarcoidosis** 1984 Sep;1(1):45–9
High serum levels of soluble interleukin-2 receptors in sarcoidosis. Semenzato G, et al. **Sarcoidosis** 1987 Mar; 4(1):25–7
[Lysosomal enzyme activity in peripheral blood lymphocytes in patients with sarcoidosis of the respiratory system] Ruszel KB. **Pneumonol Pol** 1987 Mar;55(3):109–14 (Eng. Abstr.) (Pol)
[Variant lipidograms in assessing the severity and course of pseudotuberculosis in children] Gordeets AV, et al. **Pediatriia** 1987;(4):90–1 (Rus)

CEREBROSPINAL FLUID

Neurosarcoidosis: cerebrospinal fluid lymphocyte subpopulations. Stern BJ, et al. **Neurology** 1987 May; 37(5):878–81

CHEMICALLY INDUCED

Pulmonary sarcoidosis following interferon therapy for advanced renal cell carcinoma. Abdi EA, et al. **Cancer** 1987 Mar 1;59(5):896–900
Sarcoid-like periocular dermatitis due to strong topical corticosteroids: prompt response to treatment with tetracycline. Fisher AA. **Cutis** 1987 Aug;40(2):95–6

COMPLICATIONS

Hydroxychloroquine treatment of hypercalcemia in a patient with sarcoidosis undergoing hemodialysis. Barré PE, et al. **Am J Med** 1987 Jun;82(6):1259–62
Second case of sarcoid Addison's disease [letter] Umeki S, et al. **Am J Med** 1987 Jan;82(1):186–7
Membranoproliferative glomerulonephritis associated with pulmonary sarcoidosis. Molle D, et al. **Am J Nephrol** 1986; 6(5):386–7
An unusual airway complication with sarcoidosis. Wills MH, et al. **Anesthesiology** 1987 Apr;66(4):554–5
Cystic parathyroid adenoma with coexistent sarcoid granulomas. Taguchi K, et al. **Arch Otorhinolaryngol** 1987; 243(6):392–4
Electron microscopic findings in ichthyosis secondary to sarcoidosis. Heng MC, et al. **Australas J Dermatol** 1986 Dec;27(3):127–30
Unexpected myocardial disease in patients with life threatening arrhythmias [letter] Fleming HA. **Br Heart J** 1986 Dec;56(6):575
The sarcoidosis-lymphoma syndrome. Brincker H. **Br J Cancer** 1986 Sep;54(3):467–73
Pericardial tamponade in sarcoidosis. Zelcer AA, et al. **Can J Cardiol** 1987 Jan–Feb;3(1):12–3
Inclusion body myositis associated with systemic sarcoidosis. Danon MJ, et al. **Can J Neurol Sci** 1986 Nov;13(4):334–6
Unexpected death associated with unusual thoracic

sarcoidosis. Rubinstein I, et al. **Can Med Assoc J** 1987 May 15;136(10):1064–5
Aspergilloma in sarcoid and tuberculosis [editorial] Butz RO. **Chest** 1987 Sep;92(3):392
Hemoptysis as the presenting manifestation of sarcoidosis [letter] Rubinstein I, et al. **Chest** 1987 Jun;91(6):931
Aspergillomas in sarcoid and tuberculosis. Tomlinson JR, et al. **Chest** 1987 Sep;92(3):505–8
Granuloma formation and fibrosis in sarcoidosis. Arnoux AG, et al. **Clin Dermatol** 1986 Oct–Dec;4(4):22–34 (84 ref.)
Sarcoidosis of the head and neck. Ellison DE, et al. **Clin Dermatol** 1986 Oct–Dec;4(4):136–42 (35 ref.)
Cardiac sarcoidosis. Fleming HA. **Clin Dermatol** 1986 Oct–Dec;4(4):143–9 (43 ref.)
Ocular sarcoidosis. Liggett PE. **Clin Dermatol** 1986 Oct–Dec; 4(4):129–35 (39 ref.)
Renal impairment in sarcoidosis: granulomatous nephritis as an isolated cause (two case reports and review of the literature). Singer DR, et al. **Clin Nephrol** 1986 Nov; 26(5):250–6
Tumoral calcinosis associated with sarcoidosis and positive bone and gallium imaging. Wolpe FM, et al. **Clin Nucl Med** 1987 Jul;12(7):529–32
Sarcoidosis with extensive cutaneous ulceration. Unusual clinical presentation. Gupta AK, et al. **Dermatologica** 1987; 174(3):135–9
Arachidonic acid metabolites and small airways disease in non-smoking sarcoidosis patients. Clancy L, et al. **Eur J Respir Dis [Suppl]** 1986;147:199–201
Generalized sarcoid-type reaction associated with non-Hodgkin's lymphoma. Liberati AM, et al. **Haematologica (Pavia)** 1986 May–Jun;71(3):225–8
Complete atrioventricular block with a 22-month history of ocular sarcoidosis: a case report. Ohtahara A, et al. **Heart Lung** 1987 Jan;16(1):66–8
Sarcoidosis and Yersinia enterocolitica [letter] Vlasveld LT. **Infection** 1987 May–Jun;15(3):200
Ulcerative and hypopigmented sarcoidosis. Mitchell IC, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1062–5
Sarcoidosis of the tentorium with cortical blindness. Powers JM. **J Clin Neuro Ophthalmol** 1985 Jun;5(2):112–5
Skeletal involvement in sarcoidosis: a case report. Schuind F, et al. **J Hand Surg [Br]** 1987 Jun;12(2):279–83
Depression and sexual dysfunction complicating neurosarcoidosis. Pigott TA, et al. **J SC Med Assoc** 1987 Jan;83(1):16–8
Abdominal lymphadenopathy in sarcoidosis. Deutch SJ, et al. **J Ultrasound Med** 1987 May;6(5):237–42
Re: Bilateral granulomatous orchitis: manifestation of idiopathic systemic granulomatosis [letter] Rubinstein I. **J Urol** 1987 Feb;137(2):317
Bilateral recurrent spontaneous pneumothoraces in sarcoidosis. Sharma SK, et al. **Jpn J Med** 1987 Feb; 26(1):69–71
Coexistence of sarcoidosis and carcinoma in a solitary pulmonary nodule. Savino A, et al. **NY State J Med** 1986 Dec;86(12):648–9
Ataxia-telangiectasia associated with sarcoidosis. Fleck RM, et al. **Pediatr Dermatol** 1986 Sep;3(4):339–43
Occult sarcoidosis as the cause of hypercalcemia. Rudick JH, et al. **Postgrad Med** 1986 Oct;80(5):311–6
Ulcerative colitis and sarcoidosis. Barr GD, et al. **Postgrad Med J** 1986 May;62(727):341–5
Hypercalcaemia due to sarcoidosis corrects with bisphosphonate treatment. Gibbs CJ, et al. **Postgrad Med J** 1986 Oct;62(732):937–8
Crohn's colitis and sarcoidosis. McCormick PA, et al. **Postgrad Med J** 1986 Oct;62(732):951–3
Sarcoidosis and lymphoma: is there an association? [letter] McInerney PD. **Postgrad Med J** 1986 Aug;62(730):809
Spontaneous hydropneumothorax by severe pulmonary sarcoidosis. Baldini EV, et al. **Sarcoidosis** 1984 Sep; 1(1):60–2
Hemoptysis in sarcoidosis. Chang JC, et al. **Sarcoidosis** 1987 Mar;4(1):49–54
Sarcoid heart disease and complete heart block [letter] Fleming HA. **Sarcoidosis** 1986 Mar;3(1):78
Overlap syndromes with sarcoidosis. James DG, et al. **Sarcoidosis** 1985 Sep;2(2):116–21
Hepatic granulomas. James DG, et al. **Sarcoidosis** 1986 Mar; 3(1):30–3
Sarcoidosis and primary hypogammaglobulinaemia: a report of two cases and a review of the literature. Leen CL, et al. **Sarcoidosis** 1985 Sep;2(2):91–5
Fatal gastrointestinal haemorrhage in sarcoidosis: a previously unreported occurrence. Munker M, et al. **Sarcoidosis** 1987 Mar;4(1):55–7
Sarcoidosis associated with complete heart block. Pehrsson SK, et al. **Sarcoidosis** 1985 Sep;2(2):135–41
Hypercalciuria and renal stones in a sarcoidosis patient treated by extracorporeal shockwave lithotripsy. Sharma OP, et al. **Sarcoidosis** 1986 Mar;3(1):7–9
Left recurrent laryngeal nerve palsy as the presenting feature of sarcoidosis. Swinburn CR, et al. **Sarcoidosis** 1986 Mar; 3(1):67–8
Sarcoidosis complicated by HTLV III-infection: steroid therapy in combination with thymostimulin. Wurm K, et al. **Sarcoidosis** 1987 Mar;4(1):68–70
Superior vena caval obstruction due to sarcoidosis. Fincher RM, et al. **South Med J** 1986 Oct;79(10):1306–8
Tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis [letter] Scadding JG, et al. **Thorax** 1987 Apr;42(4):320
Sarcoidosis presenting with severe haemoptysis. Oluboyo PO, et al. **Trop Geogr Med** 1987 Apr;39(2):196–8
Carcinoma of the renal pelvis and bladder associated with sarcoidosis: a case report. Fukutani K, et al. **Urol Int** 1987; 42(3):224–6
Sarcoidosis presenting as chronic thrombocytopenia. Field SK, et al. **West J Med** 1987 Apr;146(4):481–2
Sarcoidosis and pheochromocytoma. Murray KM, et al. **West J Med** 1987 Jun;146(6):745–7
[A patient with type ZZ alpha 1-antitrypsin deficiency and hypercalcemia caused by sarcoidosis] Borstlap R, et al. **Tijdschr Kindergeneeskd** 1986 Aug;54(4):118–23 (Eng. Abstr.) **(Dut)**
[Laryngeal manifestations of sarcoidosis] Remacle M, et al. **Acta Otorhinolaryngol Belg** 1986;40(6):889–906 (Eng. Abstr.) **(Fre)**
[Cutaneous and visceral sarcoidosis. Apropos of an exceptional form] Bazex J, et al. **Ann Dermatol Venereol** 1987;114(5):685–90 (Eng. Abstr.) **(Fre)**
[Inappropriate secretion of ADH in neuromeningeal sarcoidosis (letter)] Bosquet F, et al. **Ann Med Interne (Paris)** 1987;138(1):79 **(Fre)**
[Acute anuric renal failure caused by granulomatous interstitial infiltration disclosing sarcoidosis (letter)] Tanneau R, et al. **Ann Med Interne (Paris)** 1987;138(2):147 **(Fre)**
[Involvement of the optic nerve in Besnier-Boeck-Schaumann disease] Hammard H, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1141–3 **(Fre)**
[Rapidly progressing glomerulonephritis with mesangial IgA deposits in sarcoidosis] Vanhille P, et al. **Nephrologie** 1986; 7(5):207–9 (Eng. Abstr.) **(Fre)**
[A new case of associated sarcoidosis and tuberculosis, or the close relationship between 2 granulomatous diseases...] Kerbourc'h JF, et al. **Rev Pneumol Clin** 1987;43(1):46–53 (Eng. Abstr.) **(Fre)**
[Sarcoidosis associated with significant blood hypereosinophilia. Apropos of a case] Prévost JN, et al. **Rev Pneumol Clin** 1987;43(3):167–8 (Eng. Abstr.) **(Fre)**
[Association of primary biliary liver cirrhosis with sarcoidosis--separate diseases or a new nosological entity?] Ormann W. **Dtsch Med Wochenschr** 1987 Jul 3; 112(27):1082–5 (Eng. Abstr.) **(Ger)**
[A rare complication of sarcoidosis: pulmonary cavitation] Cavallo A, et al. **Radiol Med (Torino)** 1987 Jun;73(6):589–90 **(Ita)**
[Optic nerve involvement in sarcoidosis] Moritera T, et al. **Nippon Ganka Gakkai Zasshi** 1986 Sep;90(9):1196–202 (Eng. Abstr.) **(Jpn)**
[A case of lung cancer accompanying sarcoidosis] Kudoh S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Sep; 24(9):1039–43 (Eng. Abstr.) **(Jpn)**
[A case of sarcoidosis accompanied by herpes zoster encephalitis] Kobayashi H, et al. **Rinsho Shinkeigaku** 1986 Aug;26(8):797–800 (Eng. Abstr.) **(Jpn)**
[A case of sarcoidosis affecting the organ of vision] Krasnikov PG, et al. **Oftalmol Zh** 1986;(4):247–8 **(Rus)**
[Hypernephroma and sarcoidosis: a strange and infrequent association. Presentation of a case (letter)] Pila Pérez R, et al. **Rev Clin Esp** 1986 Oct;179(5):281–2 **(Spa)**

DIAGNOSIS

Sarcoidosis presenting initially as a breast mass: detection by fine needle aspiration biopsy [letter] Doria MI Jr, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):378–9
Visual and auditory evoked potentials in the early diagnosis and follow-up of neurosarcoidosis. Oksanen V, et al. **Acta Neurol Scand** 1986 Jul;74(1):38–42
Weight loss and hypercalcemia in a 77-year-old man [clinical conference] **Am J Med** 1986 Nov;81(5):843–9
Chronic cholestasis in hepatic sarcoidosis with clinical features resembling primary biliary cirrhosis. Report of two cases. Pereira-Lima J, et al. **Am J Med** 1987 Jul;83(1):144–8
Lytic lesion of the sternum: rare manifestation of sarcoidosis [letter] Yona E, et al. **Am J Med** 1986 Nov;81(5):947–8
The predictive value of serum angiotensin converting enzyme and lysozyme levels in the diagnosis of ocular sarcoidosis. Baarsma GS, et al. **Am J Ophthalmol** 1987 Sep 15; 104(3):211–7
Sarcoidosis simulating pulmonary veno-occlusive disease. Hoffstein V, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):809–11
Sarcoid granuloma simulating amelanotic melanoma of the iris. Cohen SB, et al. **Ann Ophthalmol** 1986 Dec; 18(12):343–5
Hypothalamic/pituitary sarcoidosis. Scott IA, et al. **Aust NZ J Med** 1987 Apr;17(2):243–5
Sarcoidosis in children. Robinson PJ, et al. **Aust Paediatr J** 1986 Nov;22(4):291–3
Sarcoidosis: a pattern of clinical and morphological presentation. Valantine H, et al. **Br Heart J** 1987 Mar; 57(3):256–63
The diagnosis and differential diagnosis of cutaneous sarcoidosis. Gibson LE, et al. **Clin Dermatol** 1986 Oct–Dec; 4(4):62–74 (70 ref.)
Diagnosis of sarcoidosis. Schwarz MI. **Clin Dermatol** 1986 Oct–Dec;4(4):165–7 (12 ref.)
The Kveim-Siltzbach test. Teirstein AS. **Clin Dermatol** 1986 Oct–Dec;4(4):154–64 (57 ref.)
Laryngeal sarcoidosis in a young child. Mochizuki H, et al. **Clin Pediatr (Phila)** 1987 Sep;26(9):486–8
Sixteen cases of uveitis associated with sarcoidosis. Bienfait MF, et al. **Int Ophthalmol** 1986 Dec;9(4):243–6
Bilateral facial paralysis as the sole presenting feature of sarcoidosis: report of a case. McIntosh WE, et al. **J Am Osteopath Assoc** 1987 Mar;87(3):245–7
Sarcoidosis and ACE assay [letter] Gijsbers A, et al. **J Assoc Physicians India** 1986 Nov;34(11):823–4
Diagnostic value of SACE [letter] Gupta SK. **J Assoc Physicians India** 1986 Nov;34(11):827
A reassessment of hilar and mediastinal lymphadenopathy in patients with sarcoidosis. Woodring JH, et al. **J Ky Med Assoc** 1986 Aug;84(8):402–6
Echocardiography in systemic sarcoidosis [letter] Friart A, et al. **Lancet** 1987 Feb 28;1(8531):513
Magnetic resonance imaging in neurosarcoidosis. Greco A, et al. **Magn Reson Imaging** 1987;5(1):15–21
Solid tumors preceding or following sarcoidosis. Brincker H. **Med Pediatr Oncol** 1987;15(2):82–8
Preliminary experience of magnetic resonance imaging in neurosarcoidosis. Ketonen L, et al. **Neuroradiology** 1987; 29(2):127–9
Sarcoidosis. Johns CJ. **Proc Annu Meet Med Sect Am Counc Life Insur** 1986;:19–28
Asymptomatic ocular sarcoidosis. Angi MR, et al. **Sarcoidosis** 1985 Sep;2(2):124–34
Kveim test and mitochondrial antibodies in the differential diagnosis between primary biliary cirrhosis and sarcoidosis. Eklund A, et al. **Sarcoidosis** 1985 Mar;2(1):38–41
Differential diagnosis of ocular sarcoidosis. Graham EM. **Sarcoidosis** 1986 Mar;3(1):34–9
Differential diagnosis of multisystem sarcoidosis. James DG, et al. **Sarcoidosis** 1987 Mar;4(1):1–7 (11 ref.)
Sarcoidois presenting with pericardial effusion. Pesola G, et al. **Sarcoidosis** 1987 Mar;4(1):42–4
The Italian approach to sarcoidosis and other granulomatous disorders. Rizzato G, et al. **Sarcoidosis** 1986 Mar;3(1):87–8
Does activity of pulmonary sarcoidosis depend on disease duration? A correlation between bronchoalveolar lavage, scintigraphic, radiologic, and physiologic parameters and time of onset of the disease. Sanguinetti CM, et al. **Sarcoidosis** 1987 Mar;4(1):18–24
Comparison of clinical parameters, bronchoalveolar lavage, gallium-67 lung uptake, and serum angiotensin converting enzyme in assessing the activity of sarcoidosis. Staton GW Jr, et al. **Sarcoidosis** 1986 Mar;3(1):10–8
Analysis of homogeneity of alveolitis in pulmonary sarcoidosis by bilateral bronchoalveolar lavage, gallium-67 lung uptake, and chest radiograph. Staton GW Jr, et al. **Sarcoidosis** 1987 Mar;4(1):8–12
Alimentary tract granulomas. Vella M, et al. **Sarcoidosis** 1985 Sep;2(2):142–7
Sarcoidosis of the lung. Natural history and effects of treatment. Zych D, et al. **Sarcoidosis** 1987 Mar;4(1):64–7
[Use of the broncho-alveolar lavage technic in the clinical study of sarcoidosis patients] Georges R, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):517–24 (Eng. Abstr.) **(Fre)**
[Choroidal pseudotumoral granuloma in sarcoidosis (apropos of a case)] Langlois M, et al. **Bull Soc Ophtalmol Fr** 1986 Feb;86(2):223–4 (Eng. Abstr.) **(Fre)**
[Sarcoidosis of the anterior optic pathways. A diagnostic discussion] Sahel J, et al. **Ophthalmologica** 1986; 193(4):219–24 (Eng. Abstr.) **(Fre)**
[Laboratory support for the diagnosis of asthma, allergic alveolitis and sarcoidosis] Radermecker M. **Rev Med Liege** 1986 Oct 1;41(19):734–7 (7 ref.) **(Fre)**
[Bilateral hilar adenopathies in a young man (clinical conference)] Favez G, et al. **Rev Med Suisse Romande** 1987 Mar;107(3):277–83 **(Fre)**
[Isolated spinal cord involvement. Recurrence of sarcoidosis] Leys D, et al. **Rev Neurol (Paris)** 1986;142(12):931–2 (Eng. Abstr.) **(Fre)**
[Sarcoidosis of the heart (apropos of 14 cases)] Boujnah MR, et al. **Tunis Med** 1986 Aug–Sep;64(8–9):699–702 (Eng. Abstr.) **(Fre)**
[Neurosarcoidosis: diagnosis and therapy] Schlegel U. **Fortschr Neurol Psychiatr** 1987 Jan;55(1):1–15 (Eng. Abstr.) **(Ger)**
[Assessment of prognosis in pulmonary sarcoidosis] Rust M. **Lebensversicherungsmedizin** 1986 Nov 1;38(6):161–4 (Eng. Abstr.) **(Ger)**
[Follow-up in sarcoidosis. On the value of various diagnostic procedures] Petermann W, et al. **Med Klin** 1987 Feb 13; 82(3):92–5 (Eng. Abstr.) **(Ger)**
[Is there isolated sarcoidosis of the central nervous system? Reflections based on 2 case reports] Zeit T. **Med Klin** 1986 Oct 17;81(21):689–91 **(Ger)**
[Diagnosis of sarcoidosis using MR tomography] Dewes W, et al. **ROFO** 1987 Jun;146(6):657–63 (Eng. Abstr.) **(Ger)**
[Erythema nodosum, swollen ankles and fever (clinical conference)] Wicki P, et al. **Schweiz Rundsch Med Prax** 1987 Apr 28;76(18):496–8 (Eng. Abstr.) **(Ger)**
[Rapid in vitro diagnosis of sarcoidosis using a RIA test] Reutgen H, et al. **Z Erkr Atmungsorgane** 1986; 167(1–2):130–4 (Eng. Abstr.) **(Ger)**
[Sarcoidosis] Bjørnstad Pettersen H. **Tidsskr Nor Laegeforen** 1986 Nov 30;106(33):2831–3 (Eng. Abstr.) **(Nor)**
[Sarcoidosis of the nervous system] Waage A, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20;106(23):1816–7 (Eng. Abstr.) **(Nor)**

[Long-term observations on the natural course of pulmonary sarcoidosis and the effect of corticoid therapy] Zych D, et al. **Pneumonol Pol** 1987 Jan;55(1):7–14 (Eng. Abstr.) **(Pol)**

[Segmental bronchoalveolar lavage with a flexible tube via a rigid bronchoscope in a case of mediastinopulmonary sarcoidosis] Faina AG, et al. **Rev Ig [Pneumoftiziol]** 1986 Jul–Sep;35(3):257–61 (Eng. Abstr.) **(Rum)**

[Clinical value of diagnostic bronchoalveolar lavage in diffuse diseases of the lungs] Khomenko AG, et al. **Probl Tuberk** 1987;(1):22–7 (Eng. Abstr.) **(Rus)**

[The value of transbronchial biopsy in the diagnosis of sarcoidosis] Mrdja V, et al. **Vojnosanit Pregl** 1986 Sep–Oct; 43(5):353–6 (Eng. Abstr.) **(Scr)**

[Chronic sarcoid myopathy] Acebes Fuertes A, et al. **Med Clin (Barc)** 1986 Nov 1;87(14):607 **(Spa)**

[Isolated macronodular sarcoidosis] Balsa RE, et al. **Med Cutan Ibero Lat Am** 1987;15(1):49–54 (Eng. Abstr.) **(Spa)**

[Necrotizing sarcoid granulomatosis. Report of a new case (letter)] Borro Maté J, et al. **Rev Clin Esp** 1987 Apr; 180(7):409–10 **(Spa)**

DRUG THERAPY

Cyclosporine therapy of central nervous system sarcoidosis [letter] Kavanaugh AF, et al. **Am J Med** 1987 Feb;82(2):387

Angiotensin-converting enzyme. Investigation of diurnal variation, the effect of a large dose of prednisolone, and prednisolone pharmacokinetics in patients with sarcoidosis. Thompson PJ, et al. **Am Rev Respir Dis** 1986 Nov; 134(5):1075–7

Cutaneous sarcoidosis: prognosis and treatment. Veien NK. **Clin Dermatol** 1986 Oct–Dec;4(4):75–87 (68 ref.)

Pulmonary sarcoidosis: steroid treatment. Yamamoto M. **Clin Dermatol** 1986 Oct–Dec;4(4):121–8 (29 ref.)

Cyclosporin in pulmonary sarcoidosis [letter] Rebuck AS, et al. **Lancet** 1987 Jun 27;1(8548):1486

Colchicine therapy in sarcoid arthropathy [letter] Rubinstein I, et al. **Pediatrics** 1986 Oct;78(4):717–8

Evidence that steroids alter the natural history of previously untreated progressive pulmonary sarcoidosis. Odlum CM, et al. **Sarcoidosis** 1986 Mar;3(1):40–6

Azathioprine treatment of chronic pulmonary sarcoidosis. Pacheco Y, et al. **Sarcoidosis** 1985 Sep;2(2):107–13

Rate of improvement of pulmonary function in sarcoidosis during treatment with corticosteroids. Goldstein DS, et al. **Thorax** 1986 Jun;41(6):473–4

Tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis. Knox AJ, et al. **Thorax** 1986 Aug; 41(8):651

Corticosteroid treatment in pulmonary sarcoidosis: do serial lavage lymphocyte counts, serum angiotensin converting enzyme measurements, and gallium-67 scans help management? Turner-Warwick M, et al. **Thorax** 1986 Dec; 41(12):903–13

[Cutaneous sarcoidosis: treatment with etretinate (letter)] Claudy AL. **Ann Dermatol Venereol** 1987;114(5):725–6 **(Fre)**

[Annular cutaneous sarcoidosis of the forehead: treatment with isotretinoin] Vaillant L, et al. **Ann Dermatol Venereol** 1986;113(11):1089–92 **(Fre)**

[Treatment of sarcoid dactylitis with brief intravenous perfusion of high-dose methylprednisolone] Menkes CJ, et al. **Ann Med Interne (Paris)** 1987;138(1):26–9 (Eng. Abstr.) **(Fre)**

[Cutaneous and articular sarcoidosis. Improvement by PUVA therapy (letter)] Courtois JM, et al. **Presse Med** 1987 Jul 11–18;16(27):1334–5 **(Fre)**

[Intermittent hormonal therapy of patients with sarcoidosis] Shkunov AN. **Probl Tuberk** 1986;(7):44–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Concentration of angiotensin-converting enzyme in tears of patients with sarcoidosis. Immonen I, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):27–9

Angiotensin-converting enzyme in sarcoid and chalazion granulomas of the conjunctiva. Immonen I, et al. **Acta Ophthalmol (Copenh)** 1986 Oct;64(5):519–21

Clinical significance of serum thermolysin-like metalloendopeptidase and its relationship to serum angiotensin converting enzyme in sarcoidosis. Almenoff J, et al. **Am J Med** 1987 Jan;82(1):33–8

An in vitro model for the induction of angiotensin-converting enzyme in sarcoidosis. Evidence for a soluble ACE-inducing factor. Conrad AK, et al. **Am Rev Respir Dis** 1987 Feb;135(2):396–400

Angiotensin-converting enzyme in neurosarcoidosis [letter] Rubinstein I, et al. **Arch Neurol** 1987 Mar;44(3):249–50

An angiotensin-converting enzyme (ACE) inhibitor in human serum. Increased sensitivity of the serum ACE assay for detecting active sarcoidosis. Lieberman J, et al. **Chest** 1986 Dec;90(6):869–75

Value of measuring adenosine deaminase in serum of sarcoidosis patients [letter] Taylor A. **Clin Chem** 1986 Dec; 32(12):2225

Phosphatidylethanolamine methyltransferase and cAMP, cGMP phosphodiesterases in lymphocytes and monocytes in sarcoidosis. Pacheco Y, et al. **Clin Chim Acta** 1987 Mar 30;163(3):267–77

Angiotensin converting enzyme in sarcoidosis and in silicosis. Inoue Y, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):481–5

The mechanism of hypercalcemia in sarcoidosis. Fine RM. **Int J Dermatol** 1987 Jan–Feb;26(1):22–3

Localization of angiotensin converting enzyme (ACE) in granulomas of sarcoidosis cutaneous lesions. Takemura S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):122–5

In vitro synthesis of angiotensin-converting enzyme by alveolar macrophages is increased in disseminated sarcoidosis. Stanislas-Leguern G, et al. **Lung** 1986; 164(5):269–77

Assessment of serum angiotensin-converting enzyme as a marker of activity in sarcoidosis: a study of 31 patients with erythema nodosum. Teirstein AS, et al. **Mt Sinai J Med (NY)** 1987 Feb;54(2):144–6

Production of the angiotensin converting enzyme (ACE) in cultures of rat peritoneal macrophages. Harrabi S, et al. **Sarcoidosis** 1986 Mar;3(1):27–9

Angiotensin-converting enzyme activity in sarcoidosis and other disorders. Romer FK. **Sarcoidosis** 1985 Mar; 2(1):25–34 (48 ref.)

Subcellular localization of angiotensin-converting enzyme in the human alveolar macrophage. Eklund A, et al. **Scand J Clin Lab Invest** 1987 Feb;47(1):47–54

Relationship between changed alveolar-capillary permeability and angiotensin converting enzyme activity in serum in sarcoidosis. Eklund A, et al. **Thorax** 1986 Aug; 41(8):629–34

[Cytochemical study of macrophages in sarcoidosis patients in skin window exudates] Sepp N, et al. **Acta Med Austriaca** 1987;14(2):51–3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Association of sarcoid like lesions in the bone marrow with an adenocarcinoma of the ovary: report of a case. Volckaert A, et al. **Acta Clin Belg** 1986;41(6):426–30

Current concepts of the pathogenesis of sarcoidosis. Thomas PD, et al. **Am Rev Respir Dis** 1987 Mar;135(3):747–60 (240 ref.)

Sarcoidal reaction to lymphoma presenting as granulomatous rosacea. Sherertz EF, et al. **Arch Dermatol** 1986 Nov; 122(11):1303–5

Pleural involvement in sarcoidosis. Ng LL. **Br J Clin Pract** 1986 Sep;40(9):386

Association of germ cell tumours of the testis and intrathoracic sarcoid-like lesions. Urbanski SJ, et al. **Can Med Assoc J** 1987 Sep 1;137(5):416–7

Cutaneous sarcoidosis: definitions and types of lesions. Elgart ML. **Clin Dermatol** 1986 Oct–Dec;4(4):35–45 (37 ref.)

Sarcoidosis: a disorder commoner in non-smokers? Douglas JG, et al. **Thorax** 1986 Oct;41(10):787–91

[Pseudo-sarcoidosis form of Whipple's disease] Rey D, et al. **Rev Med Interne** 1987 Jan–Feb;8(1):69–70 **(Fre)**

[The pathogenesis, diagnosis and treatment of sarcoidosis] Shigematsu N. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov;24(11):1192–9 (Eng. Abstr.) **(Jpn)**

[A case of adjuvant disease of man associated with myopathy showing sarcoid-like lesion due to mammoplasty] Kato M, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):445–50 **(Jpn)**

FAMILIAL & GENETIC

Increased sex concordance of sibling pairs with Behçet's disease, Hodgkin's disease, multiple sclerosis, and sarcoidosis. Grufferman S, et al. **Am J Epidemiol** 1987 Sep; 126(3):365–9 (31 ref.)

Genetic aspects of sarcoidosis. Class II histocompatibility antigens and a family study. Nowack D, et al. **Arch Intern Med** 1987 Mar;147(3):481–3

Association of HLA-DR with sarcoidosis. Correlation with clinical course. Abe S, et al. **Chest** 1987 Sep;92(3):488–90

H.L.A. typing in a family with sarcoidosis and tuberculosis. Manning P, et al. **Ir J Med Sci** 1987 Jan;156(1):16–7

[Genetic and diagnostic significance of the HLA picture in sarcoidosis] Nowack D, et al. **Schweiz Med Wochenschr** 1986 Oct 25;116(43):1479–80 (Eng. Abstr.) **(Ger)**

HISTORY

The sarcoidosis movement. James DG. **Sarcoidosis** 1984 Sep; 1(1):4–10

[The man behind the syndrome: Sven Löfgren. His observations resulted in increased knowledge of acute sarcoidotic arthritis] Lindström F, et al. **Lakartidningen** 1986 Sep 10;83(37):3017–8 **(Swe)**

IMMUNOLOGY

Immunoregulation in sarcoidosis. Perpetual secretory dysfunction of natural killer-like cells. Campbell PB, et al. **Am Rev Respir Dis** 1986 Nov;134(5):1029–35

Role of HLA-DR antigens in Japanese patients with sarcoidosis. Kunikane H, et al. **Am Rev Respir Dis** 1987 Mar;135(3):688–91

Blood helper/suppressor lymphocyte ratio in sarcoidosis. Alfaro C, et al. **Asian Pac J Allergy Immunol** 1986 Dec; 4(2):107–9

Comparison of bronchoalveolar lavage helper/suppressor T-cell ratios in sarcoidosis versus other interstitial lung diseases. Robinson BW, et al. **Aust NZ J Med** 1987 Feb; 17(1):9–15

Evaluation of alveolar macrophages in normals and individuals with active pulmonary sarcoidosis for the spontaneous expression of the interleukin-1 beta gene. Wewers MD, et al. **Cell Immunol** 1987 Jul;107(2):479–88

Immunologic studies on cutaneous lesions in sarcoidosis. Quismorio FP Jr. **Clin Dermatol** 1986 Oct–Dec;4(4):54–61 (35 ref.)

The density of HLA-DR antigen expression on alveolar macrophages is increased in pulmonary sarcoidosis. Campbell DA, et al. **Clin Exp Immunol** 1986 Jul; 65(1):165–71

Increased natural killer cell activity in sarcoidosis. Hall TJ, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):10–6

Dinitrochlorobenzene test in sarcoidosis. Gupta SK, et al. **J Assoc Physicians India** 1986 Nov;34(11):786–7

Pulmonary alveolar macrophages in patients with sarcoidosis and hypersensitivity pneumonitis: characterization by monoclonal antibodies. Agostini C, et al. **J Clin Immunol** 1987 Jan;7(1):64–70

A monocyte-aggregating factor in the sera of patients with sarcoidosis. Baba T, et al. **J Dermatol (Tokyo)** 1986 Aug; 13(4):270–9

Interleukin 2 receptors are expressed by alveolar macrophages during pulmonary sarcoidosis and are inducible by lymphokine treatment of normal human lung macrophages, blood monocytes, and monocyte cell lines. Hancock WW, et al. **J Immunol** 1987 Jan 1;138(1):185–91

The immune response in sarcoidosis [editorial] **Lancet** 1987 Jul 25;2(8552):195–6

Sarcoid and cytotoxic lung antibodies. Ende N, et al. **Life Sci** 1986 Dec 22;39(25):2435–40

Sarcoidosis is not associated with the HTLV III virus. Flint KC, et al. **Sarcoidosis** 1985 Sep;2(2):157

Update on immunology of sarcoidosis. Report from the Baltimore Conference. Ossi E, et al. **Sarcoidosis** 1985 Mar; 2(1):16–9

Characterization of peripheral blood T lymphocyte subsets in pulmonary sarcoidosis. Powell S, et al. **Sarcoidosis** 1987 Mar;4(1):28–32

Fc and C3 receptor expression on human alveolar macrophages in sarcoidosis. Rottoli L, et al. **Sarcoidosis** 1984 Sep;1(1):55–9

The immunological approach to the enigma of sarcoidosis. Semenzato G, et al. **Sarcoidosis** 1984 Sep;1(1):24–35 (100 ref.)

Pathogenesis of sarcoidosis: highlights in immunology. Semenzato G. **Sarcoidosis** 1986 Mar;3(1):83–6

Pathology review—10th International Conference Baltimore 1984. Williams WJ. **Sarcoidosis** 1985 Mar;2(1):6–8

Immuno-cytological blood tests in cases of sarcoidosis. Wurm K, et al. **Sarcoidosis** 1986 Mar;3(1):52–9

Lack of immune deficiency in sarcoidosis: compartmentalisation of the immune response. Hudspith BN, et al. **Thorax** 1987 Apr;42(4):250–5

[Immunohistologic and histochemical study of conjunctival lesions in sarcoidosis] Angi MR, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:111–5 **(Fre)**

[Compartmentalized T-cell activation in active sarcoidosis] Müller-Quernheim J. **Prax Klin Pneumol** 1987 Apr; 41(4):118–28 (Eng. Abstr.) **(Ger)**

[Epstein-Barr virus-specific antibody pattern in sarcoid uveitis with and without systemic manifestations] Tanaka H, et al. **Nippon Ganka Gakkai Zasshi** 1986 Dec; 90(12):1663–8 (Eng. Abstr.) **(Jpn)**

[Status of systemic and local immunity in patients with sarcoidosis] Chernushenko EF, et al. **Klin Med (Mosk)** 1986 Dec;64(12):40–4 (Eng. Abstr.) **(Rus)**

[The complement system of patients with sarcoidosis of the respiratory system] Titov LP, et al. **Probl Tuberk** 1987; (3):48–51 (Eng. Abstr.) **(Rus)**

METABOLISM

Tumor necrosis factor production by human sarcoid alveolar macrophages. Bachwich PR, et al. **Am J Pathol** 1986 Dec; 125(3):421–5

Chemiluminescence of lung macrophages and blood leukocytes in sarcoidosis [letter] Wallaert B, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1333–4

Alveolar macrophage membrane phospholipid methylation in sarcoidosis and hypersensitivity pneumonitis. Pacheco Y, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec; 22(6):565–72

Biochemical markers in sarcoidosis. Selroos OB. **CRC Crit Rev Clin Lab Sci** 1986;24(3):185–216 (159 ref.)

Production of colony-stimulating factor by sarcoid granulomas in vitro. Okabe T, et al. **Jpn J Med** 1987 Feb; 26(1):36–40

Procollagen III peptide in bronchoalveolar lavage fluid. A potential marker of altered collagen synthesis reflecting pulmonary disease in sarcoidosis. Bjermer L, et al. **Lab Invest** 1986 Dec;55(6):654–6

Two components of the plaque on the bronchial wall of the main bronchus in patients with pulmonary sarcoidosis. Ogihara M. **Panminerva Med** 1986 Oct–Dec;28(4):385–8

Biochemical indicators of disordered vitamin D and calcium homeostasis in sarcoidosis. Adams JS, et al. **Sarcoidosis** 1986 Mar;3(1):1–6

The distribution of S100 and lysozyme immunoreactive cells in the various phases of granuloma development in sarcoidosis. Veress B, et al. **Sarcoidosis** 1987 Mar;4(1):33–7

[Methylation of membrane phospholipids of alveolar macrophages in pulmonary sarcoidosis and diffuse interstitial pulmonary fibrosis] Pacheco Y, et al. **Pathol Biol (Paris)** 1986 Dec;34(10):1067–73 (Eng. Abstr.)

(Fre)
[Extrarenal synthesis of calcitriol in sarcoidosis] Clavel S, et al. **Presse Med** 1987 Jan 31;16(3):107–10 (Eng. Abstr.) (Fre)
[Inappropriate calcitriol secretion syndrome] Meyrier A, et al. **Presse Med** 1987 May 9;16(17):815–8 (32 ref.) (Eng. Abstr.) (Fre)
[Analysis by broncho-alveolar lavage of the pulmonary uptake of gallium 67 in idiopathic diffuse interstitial fibrosis and sarcoidosis] Vergnon JM, et al. **Rev Mal Respir** 1987; 4(2):85–93 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Alveolar lymphocyte proliferation induced by Propionibacterium acnes in sarcoidosis patients. Nakata Y, et al. **Acta Med Okayama** 1986 Oct;40(5):257–64

OCCURRENCE

Sarcoidosis and pregnancy. Haynes de Regt R. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):369–72
A tale of two cities. Breyne H, et al. **Sarcoidosis** 1985 Sep; 2(2):122–3
Sarcoidosis in Eastern Europe. Djurić B. **Sarcoidosis** 1985 Mar;2(1):35–7
Epidemiology of sarcoidosis: a report of the papers and posters presented at the tenth International Conference on Sarcoidosis, Baltimore, USA 1984. Sharma OP. **Sarcoidosis** 1985 Mar;2(1):9–11

PATHOLOGY

Mast cells and lysozyme positive macrophages in bronchoalveolar lavage from patients with sarcoidosis. Valuable prognostic and activity marking parameters of disease? Bjermer L, et al. **Acta Med Scand** 1986; 220(2):161–6
Sarcoidlike lung granulomatosis induced by aluminum dusts. De Vuyst P, et al. **Am Rev Respir Dis** 1987 Feb; 135(2):493–7
Morphometric distinction of granulomas in tuberculosis and sarcoidosis. Difference in nuclear profiles. Tosi P, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):233–40
Papules and nodules in a patient with sarcoidosis. Chromoblastomycosis. Perry AE, et al. **Arch Dermatol** 1987 Apr;123(4):520–21, 522–3
Sarcoid reactions in malignant tumours. Brincker H. **Cancer Treat Rev** 1986 Sep;13(3):147–56 (69 ref.)
Utility of endomyocardial biopsy in the diagnosis of cardiac sarcoidosis. Ratner SJ, et al. **Chest** 1986 Oct;90(4):528–33
Sarcoidosis in various organs. Izumi T. **Clin Dermatol** 1986 Oct–Dec;4(4):150–3 (43 ref.)
Pathology of pulmonary sarcoidosis. Kitaichi M. **Clin Dermatol** 1986 Oct–Dec;4(4):108–15 (48 ref.)
Arachidonic acid metabolism is altered in sarcoid alveolar macrophages. Bachwich PR, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):27–37
The diagnostic value of gastrocnemius muscle biopsy in sarcoidosis presenting with erythema nodosum and hilar adenopathy. Andonopoulos AP, et al. **Clin Rheumatol** 1987 Jun;6(2):192–6
Human alveolar macrophage subpopulations isolated on discontinuous albumin gradients: functional data in normals and sarcoid patients. Sandron D, et al. **Eur J Respir Dis** 1986 Oct;69(4):226–34
Changes in the peripheral vasculature of various organs in patients with sarcoidosis—possible role of microangiopathy. Mikami R, et al. **Heart Vessels** 1986; 2(3):129–39
Ocular involvement in sarcoidosis. Das A, et al. **Indian J Ophthalmol** 1984 Jul–Aug;32(4):195–9
The mast cell and signs of pulmonary fibroblast activation in sarcoidosis. Bjermer L, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):298–301
Sarcoidosis with maxillary involvement. Verheijen–Breemhaar L, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):104–7
Cutaneous sarcoidosis in Caucasians. Veien NK, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):534–40
Necrotizing sarcoid granulomatosis: report of a case. Gordon CI. **J Am Osteopath Assoc** 1986 Sep;86(9):584–8
A case of extensive subcutaneous sarcoidosis. Yamada S, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):217–21
Corticosteroid therapy suppresses spontaneous interleukin 2 release and spontaneous proliferation of lung T lymphocytes of patients with active pulmonary sarcoidosis. Pinkston P, et al. **J Immunol** 1987 Aug 1;139(3):755–60
Evaluation of albumin–globulin ratio to confirm the clinical stages of sarcoidosis. Nandedkar AK, et al. **J Natl Med Assoc** 1986 Oct;78(10):969–71
Myocardial sarcoidosis with severe congestive heart failure. Fujita M, et al. **Jpn Circ J** 1987 Apr;51(4):436–8
Histodiagnosis of pulmonary sarcoidosis on different organ biopsies. Eskenasy A. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):111–21
Biopsies of the lung and bronchial wall by flexible fiberoptic bronchoscopy in 75 patients with sarcoidosis in Turkey. Celikoğlu SI, et al. **Mt Sinai J Med (NY)** 1986 Jun; 53(6):449–51
Normocalcaemic nephrocalcinosis in sarcoidosis. O'Reilly DP, et al. **Nephron** 1987;45(2):165–6
Results obtained from biopsies of the lung and bronchial wall through the flexible fiberoptic bronchoscopy in 75 cases of sarcoidosis. Celikoglu SI, et al. **Panminerva Med** 1986 Jul–Sep;28(3):207–9
Supraseller mass in an Indian girl [clinical conference] McLone DG, et al. **Pediatr Neurosci** 1985–86;12(3):179–87
Progressive dyspnoea with pulmonary infiltrates [clinical conference] Willcox PA, et al. **S Afr Med J** 1987 Jan 24; 71(2):100–6
A case of gastric sarcoidosis. Dallimore NS, et al. **Sarcoidosis** 1985 Mar;2(1):42–4
Sarcoid heart disease. Fleming HA. **Sarcoidosis** 1985 Mar; 2(1):20–4
Sarcoidosis and lymphoma: an unusual association. Sharma OP, et al. **Sarcoidosis** 1987 Mar;4(1):58–63
HLA–DR antigens in epithelioid cell granulomas of sarcoidosis, using semithin frozen sections. A concept about granuloma formation. v. Maarsseveen T, et al. **Sarcoidosis** 1985 Sep;2(2):148–53
Sarcoidosis of the thyroid gland. van Assendelft AH, et al. **Sarcoidosis** 1985 Sep;2(2):154–6
All that glitters is not sarcoidosis. Williams WJ. **Sarcoidosis** 1984 Sep;1(1):16–23 (35 ref.)
Dendritic cells in cutaneous, lymph node and pulmonary lesions of sarcoidosis. Munro CS, et al. **Scand J Immunol** 1987 May;25(5):461–7
Myopathy in sarcoidosis: clinical and pathologic study of four cases and review of the literature. Wolfe SM, et al. **Semin Arthritis Rheum** 1987 May;16(4):300–6 (37 ref.)
[Case of sarcoidosis with predominant involvement of the liver and lymph nodes] Brailski Kh, et al. **Vutr Boles** 1986; 25(4):83–91 (Eng. Abstr.) (Bul)
[Interstitial nephropathy without granulomatous lesions and renal insufficiency in sarcoidosis (letter)] Cahen R, et al. **Nephrologie** 1986;7(5):213–4 (Fre)
[Sarcoidosis. Nosologic and semantic review] Chrétien J. **Presse Med** 1987 Apr 18;16(14):657–8 (Fre)
[Peritoneal sarcoidosis, a rare localization] Michard P, et al. **Presse Med** 1987 May 23;16(19):959–62 (Eng. Abstr.) (Fre)
[The advantages of histological samples in sarcoidosis. Retrospective multicenter analysis of 618 biopsies performed on 416 patients] Chapelon C, et al. **Rev Med Interne** 1987 Mar–Apr;8(2):181–5 (Eng. Abstr.) (Fre)
[The bone in non–corticoid–treated sarcoidosis. A histomorphometric study] Alexandre C, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):159–62 (Eng. Abstr.) (Fre)
[Skin sarcoidosis simulating necrobiosis lipoidica] Brüngger A. **Hautarzt** 1987 Apr;38(4):238–40 (Eng. Abstr.) (Ger)
[Myocardial infarct as the initial manifestation of myocardial involvement in asymptomatic Boeck disease] Bach P, et al. **Internist (Berlin)** 1987 Apr;28(4):273–7 (Ger)
[Manifestations of sarcoidosis in the area of the eye] Strempel I. **Internist (Berlin)** 1987 Jun;28(6):366–70 (Ger)
[Granulomatous gastritis of the antrum in generalized sarcoidosis] Dörfler H, et al. **Klin Wochenschr** 1986 Oct 31;64(21):1139–43 (Eng. Abstr.) (Ger)
[Clinicopathologic conference. Heerfordt syndrome in sarcoidosis with simultaneous detection of Mycobacterium tuberculosis by bacterial culture] Barth J, et al. **Med Klin** 1987 Apr 24;82(9):313–5 (Ger)
[Autopsy findings in fatal sarcoidosis] Gollub H, et al. **Pathologe** 1987 May;8(3):152–5 (Ger)
[Sarcoid granuloma in green tattooing] Kremser M. **Wien Klin Wochenschr** 1987 Jan 9;99(1):14–8 (Eng. Abstr.) (Ger)
[Cutaneous sarcoidosis] Pfeiff B, et al. **Z Hautkr** 1986 Sep 15;61(18):1311–7 (Eng. Abstr.) (Ger)
[A case of abdominal sarcoidosis] Periti M, et al. **Recenti Prog Med** 1986 Nov;77(11):520–2 (Eng. Abstr.) (Ita)
[Topographic distribution of noncaseating granulomas studied by TBLB (transbronchial lung biopsy) in sarcoidosis] Matsuoka R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1334–8 (Eng. Abstr.) (Jpn)
[Value of biopsy of the bronchial mucosa in diagnosing sarcoidosis] Owsiński J, et al. **Przegl Lek** 1987;44(2):277–80 (Eng. Abstr.) (Pol)
[Transbronchial biopsy in the diagnosis of sarcoidosis and certain other interstitial lung diseases] Strukov AI, et al. **Arkh Patol** 1986;48(12):13–22 (Eng. Abstr.) (Rus)
[Liver biopsy in the diagnosis of sarcoidosis] Anisimov LL, et al. **Klin Med (Mosk)** 1987 Apr;65(4):97–9 (Eng. Abstr.) (Rus)
[Bronchoalveolar lavage in sarcoidosis and hypersensitivity pneumonitis] Debeljak A, et al. **Plucne Bolesti** 1986 Jul–Dec;38(3–4):283–7 (Eng. Abstr.) (Scr)

PHYSIOPATHOLOGY

Left ventricular diastolic characteristics of cardiac sarcoidosis. Tan LB, et al. **Am J Cardiol** 1986 Nov 15; 58(11):1126–7
Gas exchange across abnormal interstitial tissue in pulmonary sarcoidosis—results of therapy. Demeter SL. **Angiology** 1987 Mar;38(3):256–67
Markers of sarcoidosis activity [editorial] Sharma OP. **Chest** 1986 Oct;90(4):471–3
Relationship of cutaneous sarcoidosis to systemic disease. Callen JP. **Clin Dermatol** 1986 Oct–Dec;4(4):46–53 (37 ref.)
Activity of pulmonary sarcoidosis. Izumi T. **Clin Dermatol** 1986 Oct–Dec;4(4):116–20 (54 ref.)
Left–ventricular exercise echocardiographic abnormalities in patients with sarcoidosis without ischemic heart disease. Rubinstein I, et al. **Isr J Med Sci** 1986 Dec;22(12):865–72
Histamine levels in bronchoalveolar lavage from patients with asthma, sarcoidosis, and idiopathic pulmonary fibrosis. Rankin JA, et al. **J Allergy Clin Immunol** 1987 Feb; 79(2):371–7
Hydrogen peroxide release by alveolar macrophages from sarcoid patients and by alveolar macrophages from normals after exposure to recombinant interferons alpha A, beta, and gamma and 1,25–dihydroxyvitamin D3. Fels AO, et al. **J Clin Invest** 1987 Aug;80(2):381–6
Compartmentalized activation of the interleukin 2 gene by lung T lymphocytes in active pulmonary sarcoidosis. Müller–Quernheim J, et al. **J Immunol** 1986 Dec 1; 137(11):3475–83
Neurosarcoidosis: the long–term clinical course. Luke RA, et al. **Neurology** 1987 Mar;37(3):461–3
Clinical and functional development of sarcoidosis considering the results of bronchoalveolar lavage. Gatzemeier U, et al. **Panminerva Med** 1986 Oct–Dec; 28(4):367–71
Pulmonary function in sarcoidosis. Benjamin RG, et al. **Sarcoidosis** 1984 Sep;1(1):50–2
Neurosarcoidosis. A report of ten patients illustrating some usual and unusual manifestations. Sharma OP, et al. **Sarcoidosis** 1985 Sep;2(2):96–106
[Pulmonary function in 122 cases of sarcoidosis] Suzuki K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1309–14 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

An unusual form of tibial sarcoidosis. Beasley EW 3d, et al. **AJR** 1987 Oct;149(4):754–6
An error of omission. Posterior mediastinal sarcoidosis [letter] Davis SD, et al. **Chest** 1987 Jun;91(6):933
Pulmonary sarcoidosis: radiographic features. Sharma OP, et al. **Clin Dermatol** 1986 Oct–Dec;4(4):96–107 (18 ref.)
Progressive stridor and hoarseness in a young black woman. Picus D, et al. **Invest Radiol** 1987 Apr;22(4):338–41
Typical and atypical CT manifestations of pulmonary sarcoidosis. Hamper UM, et al. **J Comput Assist Tomogr** 1986 Nov–Dec;10(6):928–36
Spinal leptomeningeal sarcoidosis. Huang H, et al. **Neuroradiology** 1987;29(1):100
The chest radiograph and sarcoidosis [letter] **Sarcoidosis** 1987 Mar;4(1):84–5
The visualisation of pathological changes on chest X ray [letter] Crane MD. **Sarcoidosis** 1986 Mar;3(1):79
The chest radiograph and sarcoidosis. Reevaluation of the chest radiograph in assessing activity of sarcoidosis: a preliminary communication. Miller BH, et al. **Sarcoidosis** 1985 Sep;2(2):85–90
Researching osteoporosis in prednisone treated sarcoid patients. Rizzato G, et al. **Sarcoidosis** 1987 Mar;4(1):45–8
Large lung bullae in sarcoidosis. Packe GE, et al. **Thorax** 1986 Oct;41(10):792–7
[Thoracic sarcoidosis with pulmonary cavitation. Apropos of a case] Dorcier F, et al. **J Radiol** 1987 Jun–Jul; 68(6–7):451–4 (Eng. Abstr.) (Fre)
[Sacro–iliac involvement in sarcoidosis. Apropos of a case] Kchir MM, et al. **Tunis Med** 1986 Nov;64(11):961–4 (Eng. Abstr.) (Fre)
[Unilateral hilar lymph node enlargement in sarcoidosis] Prugberger E. **Orv Hetil** 1987 Feb 15;128(7):353–6 (Eng. Abstr.) (Hun)
[Thoracic CT: diagnosis of diffuse lung lesions] Doi O. **Rinsho Hoshasen** 1986 Oct;31(11):1333–43 (10 ref.) (Jpn)
[Case of the month: Cavitary pulmonary sarcoidosis] Oba K. **Rinsho Hoshasen** 1986 Nov;31(12):1441–2 (Jpn)
[Clinical x–ray differential diagnosis of lung lesions in sarcoidosis and histiocytosis X] Gurevich LA, et al. **Vestn Rentgenol Radiol** 1986 Jul–Aug;(4):64–70 (Eng. Abstr.) (Rus)
[Mediastinal adenopathies and cerebral lesion] Martín Peinador A, et al. **Rev Clin Esp** 1987 Feb;180(2):112–4 (Spa)

RADIONUCLIDE IMAGING

Assessment of activity of ocular sarcoidosis by gallium scanning. Karma A, et al. **Br J Ophthalmol** 1987 May; 71(5):361–7
Parotid gland biopsy and 67Ga imaging correlation in systemic sarcoidosis. Brantley SD, et al. **Chest** 1987 Mar; 91(3):403–7
Gallium uptake in cutaneous sarcoidosis. Glickstein MF, et al. **Clin Nucl Med** 1986 Feb;11(2):119–20
Thallium–201 and gallium–67 myocardial scintigraphy for the evaluation of sarcoid involvement. Nagatomo Y, et al. **Clin Nucl Med** 1987 Apr;12(4):335–6
Extrapulmonary localization of gallium in sarcoidosis. Rohatgi PK, et al. **Clin Nucl Med** 1987 Jan;12(1):9–16
Semi–quantitative gallium–67 lung scanning as a measure of the intensity of alveolitis in pulmonary sarcoidosis. Duffy GJ, et al. **Eur J Nucl Med** 1986;12(4):187–91
Direct quantitation of thoracic gallium–67 uptake in sarcoidosis. Bourguet P, et al. **J Nucl Med** 1986 Oct; 27(10):1550–6
Increased permeability in idiopathic pulmonary fibrosis and sarcoidosis—an index for activity of disease? Konietzko N, et al. **Prax Klin Pneumol** 1987 Jan;41(1):15–8

Ga lung scan has come to stay. Gianfranco R, et al. **Sarcoidosis** 1984 Sep;1(1):39–44

[Radioscintigraphic correlation in interstitial pneumopathy. Case presentations] Galietti F, et al. **Minerva Med** 1987 Apr 30;78(8):511–3 (Eng. Abstr.) **(Ita)**

[67Ga scintigraphy in sarcoidosis] Lopez-Mayano V, et al. **Probl Tuberk** 1987;(5):40–3 (31 ref.) (Eng. Abstr.) **(Rus)**

THERAPY

The role of the ophthalmologist in the management of sarcoidosis [editorial] Aaberg TM. **Am J Ophthalmol** 1987 Jan 15;103(1):99–101

When should sarcoidosis be treated? Young RC Jr, et al. **J Natl Med Assoc** 1986 Sep;78(9):811–21

Successful therapy of sarcoidosis-associated thrombocytopenia refractory to corticosteroids by a single course of human gammaglobulins. Henke M, et al. **Klin Wochenschr** 1986 Nov 17;64(22):1209–11

[Use of hemosorption in the treatment of sarcoidosis patients] Solodkovskii ML. **Probl Tuberk** 1986;(11):47–9 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenologic changes in intrathoracic sarcoidosis treated by hemosorption] Solodkovskii ML. **Sov Med** 1987; (6):65–6 **(Rus)**

[Use of hemosorption in forms of sarcoidosis highly resistant to drug treatment] Solodkovskii ML. **Vrach Delo** 1986 Oct; (10):40–2 (Eng. Abstr.) **(Rus)**

VETERINARY

Clinical observations on the use of BCG cell wall fraction for treatment of periocular and other equine sarcoids. Owen RA, et al. **Vet Rec** 1987 Jun 6;120(23):548–52

SARCOLEMMA

ANALYSIS

Isolated bovine myocardial sarcolemma and sarcoplasmic reticulum vesicles contain tightly bound calcium-dependent protease inhibitor. Mellgren RL, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1025–31

Differential scanning calorimetry studies of rabbit cardiac sarcolemma. Jacobson AL, et al. **Biochem Cell Biol** 1987 May;65(5):429–37

DRUG EFFECTS

Stereospecific action of diltiazem on the mitochondrial Na-Ca exchange system and on sarcolemmal Ca-channels. Chiesi M, et al. **Biochem Pharmacol** 1987 Sep 1; 36(17):2735–40

Modulation of Na+–Ca2+ exchange and Ca2+ permeability in cardiac sarcolemmal vesicles by doxylstearic acids. Philipson KD, et al. **Biochim Biophys Acta** 1987 Feb 12;897(1):152–8

Beta-adrenergic stimulation of sarcolemmal phosphorylation in the perfused rabbit heart. Fliegel L, et al. **Can J Cardiol** 1985 Sep–Oct;1(5):318–27

The effect of nifedipine on ischemia-induced changes in the biochemical properties of isolated sarcolemmal vesicles and the ultrastructure of myocardium. Lamers JM, et al. **Can J Cardiol** 1987 Jan–Feb;3(1):39–50

Adriamycin cardiomyopathy: pathological and membrane functional changes in a canine model with mild impairment of left ventricular function. Tomlinson CW, et al. **Can J Cardiol** 1986 Nov–Dec;2(6):368–74

The molecular actions of beta-agonists in the cardiac sarcolemma. Harris P, et al. **J Cardiovasc Pharmacol** 1986; 8 Suppl 3:S10–1

[Significance of sarcolemma damage in the pathogenesis of myocardial ischemia induced by pituitrin-isadrin and its correction using the antioxidant dibunol] Konorev EA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):532–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Deinhibition of cardiac Na+–K+–ATPase after exposure to exogenous phospholipase A2. Colvin RA. **Am J Physiol** 1987 Jan;252(1 Pt 2):H32–9

Direct regulatory effect of cholesterol on the calmodulin stimulated calcium pump of cardiac sarcolemma. Ortega A, et al. **Biochem Biophys Res Commun** 1986 Sep 30; 139(3):868–74

Defective Ca2+-pumping ATPase of heart sarcolemma from cardiomyopathic hamster. Kuo TH, et al. **Biochim Biophys Acta** 1987 Jun 12;900(1):10–6

Sarcolemmal Ca2+-binding and enzyme activities in myocardium from hypothyroid rat. Daly MJ, et al. **Can J Cardiol** 1986 Nov–Dec;2(6):356–61

Cardiac calmodulin-stimulated protein phosphatase: purification and identification of specific sarcolemmal substrates. Manalan AS, et al. **Circ Res** 1987 Apr; 60(4):602–11

Sarcolemmal ATPase activities of the rat heart ventricle--dependence on age and sodium ion. Karttunen P, et al. **Comp Biochem Physiol [B]** 1987;86(4):815–20

Insulin increases membrane protein kinase C activity in rat diaphragm. Walaas SI, et al. **FEBS Lett** 1987 Aug 17; 220(2):311–8

Modification of primary amino groups in rat heart sarcolemma by 2,4,6-trinitrobenzene sulfonic acid in respect to the activities of (Na+ + K+)-ATPase, Na+–ATPase and pNPPase. Function of the potassium binding sites. Breier A, et al. **Gen Physiol Biophys** 1987 Feb;6(1):103–8

Heart sarcolemmal (Na+ + K+)-ATPase has an essential amino group in the potassium binding site on the enzyme molecule. Breier A, et al. **Gen Physiol Biophys** 1986 Oct; 5(5):537–44

Effect of calcium on the structure-function relationship of (Na+ + K+)-ATPase in cardiac sarcolemma. Vrbjar N, et al. **Gen Physiol Biophys** 1986 Oct;5(5):545–9

Muscarinic receptor regulation of cardiac adenylate cyclase activity. Fleming JW, et al. **J Mol Cell Cardiol** 1987 Jan; 19(1):47–61

Biphasic changes in the sarcolemmal phosphatidylethanolamine N-methylation activity in catecholamine-induced cardiomyopathy. Okumura K, et al. **J Mol Cell Cardiol** 1987 Apr;19(4):357–66

Chagasic IgG modifies the activity of sarcolemmal ATPases through a beta adrenergic mechanism. Pascual J, et al. **Life Sci** 1987 Jan 26;40(4):313–9

Comparison of ATP-dependent calcium transport and calcium-activated ATPase activities of cardiac sarcoplasmic reticulum and sarcolemma from rats of various ages. Narayanan N. **Mech Ageing Dev** 1987 Apr; 38(2):127–43

Adrenergic and serotonergic regulation of skeletal muscle metabolism in the rat: specificity of the serotonin- and isoproterenol-stimulable adenylyl cyclase in sarcolemma. Maillet CM, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2–3):179–90

Inhibitory action of opioid peptides on ouabain-sensitive Na+–K+ and Ca2+-dependent ATPase activities in bovine cardiac sarcolemma. Ventura C, et al. **Peptides** 1987 Jul-Aug;8(4):709–13

[Changes in the activity and regulatory properties of Na, K-ATPase from the myocardial sarcolemma in total graded ischemia] Kim EA, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):26–8 (Eng. Abstr.) **(Rus)**

[Detection by thermal denaturation of damages to the Na pump in the myocardial sarcolemma in stress and the role of lipid peroxidation in this process] Sazontova TG. **Biull Eksp Biol Med** 1986 Dec;102(12):685–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Sequence of protective epitopes of streptococcal M proteins shared with cardiac sarcolemmal membranes. Sargent SJ, et al. **J Immunol** 1987 Aug 15;139(4):1285–90

METABOLISM

Calcium binding to cardiac sarcolemmal vesicles: potential role as a modifier of contraction. Bers DM, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C861–71

Inhibition and activation of Na+–Ca2+ exchange activity by quinacrine. de la Peña P, et al. **Am J Physiol** 1987 Jan; 252(1 Pt 1):C24–9

O2 gradients from sarcolemma to cell interior in red muscle at maximal VO2. Gayeski TE, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H789–99

Effect of diet on insulin binding and glucose transport in rat sarcolemmal vesicles. Grimditch GK, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E420–5

Alterations in cardiac sarcolemmal Ca2+ pump activity during diabetes mellitus. Heyliger CE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):H540–4

Sarcolemmal Ca2+ transport in streptozotocin-induced diabetic cardiomyopathy in rats. Makino N, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):E202–7

Modification of sarcolemmal phosphatidylethanolamine N-methylation during heart hypertrophy. Panagia V, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):H8–15

Modulation of Na+–Ca2+ exchange in sarcolemmal vesicles by intravesicular Ca2+. Reeves JP, et al. **Am J Physiol** 1987 Jan;252(1 Pt 1):C17–23

Lactate transport by cardiac sarcolemmal vesicles. Trosper TL, et al. **Am J Physiol** 1987 May;252(5 Pt 1):C483–9

Myocardial amino acid transport by canine sarcolemma vesicles. Young LH, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1070–6

Distribution of glucose transporters and insulin receptors in the plasma membrane and transverse tubules of skeletal muscle. Burdett E, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):279–86

Binding of [3H]-nitrendipine and [3H]-diltiazem to rat myocardial sarcolemma. Miwa N, et al. **Arzneimittelforschung** 1986 Jul;36(7):1059–62

Identification of the Na+/CA2+ exchanger of calf heart sarcolemma with the help of specific antibodies. Longoni S, et al. **Biochem Biophys Res Commun** 1987 Jun 30; 145(3):1059–63

Sarcolemmal phospholipid N-methylation in genetically determined hamster cardiomyopathy. Okumura K, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):31–7

Verapamil interaction with the muscarinic receptor: stereoselectivity at two sites. Gerry RH, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2951–6

Enhancement of binding of the dihydropyridine calcium antagonist PN200-110 to human myometrial sarcolemma by the heterologous calcium antagonist diltiazem. Golichowski AM, et al. **Biochem Pharmacol** 1987 Apr 1; 36(7):1003–9

Phosphorylation of endogenous and exogenous peptides by rat heart sarcolemma. Loten EG, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):324–33

Skeletal muscle sarcolemma in malignant hyperthermia: evidence for a defect in calcium regulation. Mickelson JR, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):364–76

Enrichment of Na+–Ca2+ exchange in cardiac sarcolemmal vesicles by alkaline extraction. Philipson KD, et al. **Biochim Biophys Acta** 1987 May 12;899(1):59–66

Low affinity binding of taurine to phospholiposomes and cardiac sarcolemma. Sebring LA, et al. **Biochim Biophys Acta** 1986 Dec 10;884(3):559–66

Alterations by saponins of passive Ca2+ permeability and Na+–Ca2+ exchange activity of canine cardiac sarcolemmal vesicles. Yamasaki Y, et al. **Biochim Biophys Acta** 1987 Mar 12;897(3):481–7

[3H]-verapamil binding to rat cardiac sarcolemmal membrane fragments; an effect of ischaemia. Dillon JS, et al. **Br J Pharmacol** 1987 Jan;90(1):99–109

Alterations in sarcolemmal Na+–Ca2+ exchange and ATP-dependent Ca2+-binding in hypertrophied heart. Heyliger CE, et al. **Can J Cardiol** 1985 Sep–Oct;1(5):328–39

The role of calcium at the sarcolemma in the control of myocardial contractility. Langer GA. **Can J Physiol Pharmacol** 1987 Apr;65(4):627–31 (26 ref.)

Identification of the calmodulin-binding components in canine cardiac sarcolemma. Louis CF, et al. **Cell Calcium** 1987 Feb;8(1):43–52

Electron probe x-ray microanalysis of sarcolemma and junctional sarcoplasmic reticulum in rabbit papillary muscles: low sodium-induced calcium alterations. Wheeler-Clark ES, et al. **Circ Res** 1987 Feb;60(2):246–50

Inhibition of Na+–Ca2+ exchange in heart sarcolemmal vesicles by phosphatidylethanolamine N-methylation. Panagia V, et al. **Eur J Biochem** 1987 Aug 3;166(3):597–603

Is inward calcium current in crayfish muscle membrane constituted of one or two components? Jdaïaa H, et al. **Gen Physiol Biophys** 1986 Feb;5(1):3–16

Regulation of pantothenic acid transport in the heart. Involvement of a Na+-cotransport system. Lopaschuk GD, et al. **J Biol Chem** 1987 Mar 15;262(8):3615–9

Role for sulfur-containing groups in the Na+–Ca2+ exchange of cardiac sarcolemmal vesicles. Pierce GN, et al. **J Membr Biol** 1986;94(3):217–25

Compartmentation of cellular calcium in rabbit ventricle dependent upon its transsarcolemmal route. Fintel MC, et al. **J Mol Cell Cardiol** 1986 Dec;18(12):1277–86

Ca2+ transport capacity of sarcolemmal Na+–Ca2+ exchange. Extrapolation of vesicle data to in vivo conditions. Philipson KD, et al. **J Mol Cell Cardiol** 1986 Sep;18(9):943–51

Effect of exogenous phospholipase A2 treatment on cardiac muscarinic receptors of highly purified canine sarcolemmal vesicles. Rauch B, et al. **J Mol Cell Cardiol** 1987 Jun; 19(6):569–80

Dietary mackerel oil in pigs: effect on plasma lipids, cardiac sarcolemmal phospholipids and cardiovascular parameters. Hartog JM, et al. **J Nutr** 1987 Aug;117(8):1371–8

Two saturable recognition sites for (-) [125I]iodo-N6-(4-hydroxyphenyl-isopropyl)-adenosine binding on purified cardiac sarcolemma. Hausleithner V, et al. **J Recept Res** 1986;6(3–4):311–21

Inhibition of the Na+/Ca2+ exchange in cardiac sarcolemmal vesicles by amiloride. Debetto P, et al. **Life Sci** 1987 Apr 13;40(15):1523–30

Photoaffinity labelling of a 33-35,000 dalton protein in cardiac, skeletal and smooth muscle membranes using a new 125I-labelled 1,4-dihydropyridine calcium channel antagonist. Sarmiento JG, et al. **Life Sci** 1986 Dec 22; 39(25):2401–9

Purification of high affinity fatty acid receptors in rat myocardial sarcolemmal membranes. Fujii S, et al. **Lipids** 1987 Jul;22(7):544–6

The relationship between the binding site of [3H]-d-cis-diltiazem and that of other non-dihydropyridine calcium entry blockers in cardiac sarcolemma. Balwierczak JL, et al. **Mol Pharmacol** 1987 Feb;31(2):175–9

Voltage-dependent nitrendipine binding to cardiac sarcolemmal vesicles. Kamp TJ, et al. **Mol Pharmacol** 1987 Aug;32(1):278–85

Modulation by taurine of calcium binding to phospholipid vesicles and cardiac sarcolemma. Huxtable RJ, et al. **Proc West Pharmacol Soc** 1987;30:153–5

Immunohistochemical demonstration of the binding of Bothrops asper myotoxin to skeletal muscle sarcolemma. Brenes F, et al. **Toxicon** 1987;25(5):574–7

Effects of thyroid hormone on transsarcolemmal calcium movement and calcium content of cultured chick ventricular cells. Kim D, et al. **Trans Assoc Am Physicians** 1985;98:215–23

[Structural state of the cardiomyocyte sarcolemma in animals of different ages] Miliutin AA, et al. **Biofizika** 1987 May-Jun;32(3):438–42 (Eng. Abstr.) **(Rus)**

[Potential-dependent passive transport of calcium in myocardium sarcolemma vesicles] Vorobets ZD, et al. **Biokhimiia** 1986 Aug;51(8):1295–301 (Eng. Abstr.) **(Rus)**

[Cyclic GMP- and AMP-modified calcium binding by the myocardial sarcolemma in circulatory hypoxia] Sviderskaia EV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):417–9 (Eng. Abstr.) **(Rus)**

[Use of tonic contracture of strips of frog myocardium to

study sodium-calcium exchange in the sarcolemma of myocardiocytes] Nazarov EI, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1504–8 (Eng. Abstr.) **(Rus)**

[Relation between the passive transport of calcium into vesicles of the myocardial sarcolemma and membrane potential] Kocherga VI, et al. **Ukr Biokhim Zh** 1987 Jan–Feb;59(1):61–6 (Eng. Abstr.) **(Rus)**

[Passive transport of Ca2+ in vesiculated preparations of myocardial sarcolemma] Marchenko SN, et al. **Ukr Biokhim Zh** 1986 Nov–Dec;58(6):70–3 (Eng. Abstr.) **(Rus)**

[Effect of oxytocin on the calcium pump in myometrium sarcolemma] Shinlova OP, et al. **Ukr Biokhim Zh** 1987 Mar–Apr;59(2):75–9 (Eng. Abstr.) **(Rus)**

[Ion-transport system and various components of sarcolemma structure during acute myocardial ischemia] Mkhitarian LS. **Vopr Med Khim** 1987 Jan–Feb;33(1):21–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Protection of ischemic myocardium by exogenous phosphocreatine (neoton): pharmacokinetics of phosphocreatine, reduction of infarct size, stabilization of sarcolemma of ischemic cardiomyocytes, and antithrombotic action. Sharov VG, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):101–14

PHYSIOLOGY

Acetylcholine blocks Ca++-induced closure of outward K+ currents in isolated patches of canine atrial myocyte sarcolemma. Bubien JK, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1039–45

Effect of temperature on the inward rectifier and gramicidin A–induced channels in the membrane of frog skeletal muscle fibres. Caffier G, et al. **Gen Physiol Biophys** 1986 Feb;5(1):47–51

A transmission delay and the effect of temperature at the triadic junction of skeletal muscle. Vergara J, et al. **Proc R Soc Lond [Biol]** 1986 Oct 22;229(1254):97–110

ULTRASTRUCTURE

On the concanavalin A positive layer on the skeletal muscle fibre. Ovtscharoff W, et al. **Acta Histochem (Jena)** 1987; 81(2):163–9

Intramembrane aspects of myotendinous and myomuscular junctions: a freeze-fracture study of the gill sac–muscle of the Atlantic hagfish, Myxine glutinosa. Bartels H. **Anat Rec** 1987 Jul;218(3):249–55

Resolution of sarcolemma and sarcoplasmic reticulum in electron-probe X ray microanalysis of cardiac muscle. Tormey JM, et al. **Ann NY Acad Sci** 1986;483:260–9

Double label freeze-etch study of the relative topography of concanavalin A and wheat germ agglutinin receptors at the myoblast surface. Barber KR, et al. **Biochim Biophys Acta** 1987 Sep 3;902(3):395–401

Membrane structure in ultrarapidly frozen, unpretreated, freeze-fractured myocardium. Frank JS, et al. **Circ Res** 1987 Jul;61(1):141–7

Sarcolemmal destabilization and destruction after ischaemia and reperfusion and its relation with long-term recovery of regional left ventricular function in pigs. Post JA, et al. **Eur Heart J** 1987 Apr;8(4):423–30

Separation and characteristics of inside-out and right side-out vesicles from a rat cardiac sarcolemma preparation. Velema J, et al. **Int J Biochem** 1987; 19(5):467–70

Identification of sarcolemma-associated antigens with differential distributions on fast and slow skeletal muscle fibers. Schafer DA, et al. **J Cell Biol** 1987 Apr; 104(4):967–79

Evidence that calcium influx on reoxygenation is not due to cell membrane disruption in the isolated rabbit heart. Crake T, et al. **J Mol Cell Cardiol** 1986 Oct;18 Suppl 4:31–5

[Ultrastructural changes in the sarcolemma in the early stages of immune damage to the heart] Popovich LF, et al. **Biull Eksp Biol Med** 1987 May;103(5):621–5 (Eng. Abstr.) **(Rus)**

[Ultrastructural organization of cardiomyocyte sarcolemma in hibernating animals] Zhegunov GF. **Tsitologiia** 1987 May;29(5):596–600 (Eng. Abstr.) **(Rus)**

SARCOLYSINE see **MELPHALAN**

SARCOMA

see related
AVIAN SARCOMA VIRUSES

Right ventricular metastatic sarcoma. Ali MK. **Am J Clin Oncol** 1987 Jun;10(3):270–3

Intracardiac sarcoma diagnosed by left ventricular endomyocardial biopsy. Hausheer FH, et al. **Chest** 1987 Jul;92(1):177–9

Successful pregnancy in an adolescent with metastatic undifferentiated sarcoma. A case report. Bianchi DW, et al. **J Reprod Med** 1987 Jan;32(1):76–8

[Soft tissue sarcomas. A retrospective study of 164 patients] Høie J, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30; 107(3):245–6 (Eng. Abstr.) **(Nor)**

[Clear cell sarcoma] Raabe N, et al. **Tidsskr Nor Laegeforen** 1987 May 30;107(15):1337–9 (Eng. Abstr.) **(Nor)**

[Soft tissue sarcoma. The principles of diagnosis, examination and treatment] Solheim O, et al. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):255–7 (Eng. Abstr.) **(Nor)**

ANALYSIS

Immunohistochemical staining for apolipoprotein B in human sarcomas. Dekmezian R, et al. **Arch Pathol Lab Med** 1987 May;111(5):433–5

P-glycoprotein in human sarcoma: evidence for multidrug resistance. Gerlach JH, et al. **J Clin Oncol** 1987 Sep; 5(9):1452–60

Estrogen and progesterone receptors in uterine sarcomas. Sutton GP, et al. **Obstet Gynecol** 1986 Nov;68(5):709–14

BLOOD

Pharmacokinetics of doxorubicin in sarcoma patients. Robert J, et al. **Eur J Clin Pharmacol** 1987;31(6):695–9

CHEMICALLY INDUCED

Soft tissue sarcomas and military service in Vietnam: a case comparison group analysis of hospital patients. Kang HK, et al. **J Occup Med** 1986 Dec;28(12):1215–8

Soft tissue sarcoma and non-Hodgkin's lymphoma in relation to phenoxyherbicide and chlorinated phenol exposure in western Washington. Woods JS, et al. **JNCI** 1987 May; 78(5):899–910

Soft-tissue sarcoma and exposure to dioxins [letter] Hardell L, et al. **Lancet** 1986 Oct 11;2(8511):868

Phenoxy herbicides and soft-tissue sarcomas in female rice weeders. A population-based case-referent study. Vineis P, et al. **Scand J Work Environ Health** 1987 Feb;13(1):9–17

CLASSIFICATION

Changing MFH to FHS [letter] Ghandur-Mnaymneh L. **Hum Pathol** 1987 May;18(5):526

Primary ovarian sarcomas: report of 46 cases and review of the literature. Shakfeh SM, et al. **Obstet Gynecol Surv** 1987 Jun;42(6):331–49 (40 ref.)

[Reproducibility of anatomo-pathological diagnoses: use of the kappa-test in histo-prognostic grading of soft tissue sarcomas in adults] Coindre JM, et al. **Bull Cancer (Paris)** 1987;74(1):75–81 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Anaplastic sarcoma arising in a mature metachronous bilateral Wilms' tumor after irradiation and chemotherapy. Spontaneous versus induced malignant change. Oesterling JE, et al. **Cancer** 1987 Jun 15;59(12):2000–5

Spinal cord compression in Paget's disease of bone with reference to sarcomatous degeneration and calcitonin treatment. Gruszkiewicz J, et al. **Surg Neurol** 1987 Feb; 27(2):117–25

Chronic obstruction of the inferior vena cava with recurrent endometrial stromal sarcoma. Saito H, et al. **Thorac Cardiovasc Surg** 1986 Aug;34(4):273–4

DIAGNOSIS

Immunoreactivity for Leu-7 in neurofibrosarcoma and other spindle cell sarcomas of soft tissue. Swanson PE, et al. **Am J Pathol** 1987 Mar;126(3):546–60

Anti-alpha 1-antichymotrypsin staining of 194 sarcomas, 38 carcinomas, and 17 malignant melanomas. Its lack of specificity as a tumour marker. Leader M, et al. **Am J Surg Pathol** 1987 Feb;11(2):133–9 (31 ref.)

Localized operable soft tissue sarcoma of the upper extremity. Presentation, management, and factors affecting local recurrence in 108 patients. Collin C, et al. **Ann Surg** 1987 Apr;205(4):331–9

The clinical features and natural history of malignant liver tumours. Johnson PJ. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):17–34 (79 ref.)

Value of Tru-cut biopsy in the diagnosis of soft tissue tumours. Kissin MW, et al. **Br J Surg** 1986 Sep;73(9):742–4

Granulocytic sarcoma in nonleukemic patients. Meis JM, et al. **Cancer** 1986 Dec 15;58(12):2697–709

Sarcomas of the kidney. Nieh PT, et al. **Conn Med** 1987 Jan; 51(1):10–2

Sarcomas of the heart. Aherne T, et al. **Ir J Med Sci** 1986 Oct;155(10):364–5

Epithelioid sarcoma and isolated necrobiotic granuloma: a comparative immunocytochemical study. Wick MR, et al. **J Cutan Pathol** 1986 Aug;13(4):253–60

Sarcomas of the retroperitoneum. Harbrecht BG, et al. **J Ky Med Assoc** 1987 Jan;85(1):29–32

Epithelioid sarcoma [editorial] Karakousis CP. **NY State J Med** 1987 Apr;87(4):197–8

The diagnosis and prognosis of soft tissue tumors. Angervall L, et al. **Semin Diagn Pathol** 1986 Nov;3(4):240–58 (100 ref.)

[Alveolar sarcoma of soft tissues. Apropos of 2 cases. Clinical and therapeutic aspects] Touboul E, et al. **Ann Chir** 1987; 41(3):209–15 (Eng. Abstr.) **(Fre)**

[Immunohistochemical studies of Ewing's sarcomas and their differential diagnosis with other "small round blue cell" sarcomas of childhood and adolescence] Llombart-Bosch A, et al. **Verh Dtsch Ges Pathol** 1986;70:321–4 (Eng. Abstr.) **(Ger)**

[Immunohistochemistry of soft tissue sarcoma] Mukai M. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1584–8 (Eng. Abstr.) **(Jpn)**

[The use of electron microscopy in the diagnosis of soft tissue sarcomas] Iagubov AS, et al. **Vopr Onkol** 1986;32(9):6–10 **(Rus)**

DRUG THERAPY

Aclacinomycin A. Phase II evaluation in advanced soft tissue sarcoma. Pazdur R, et al. **Am J Clin Oncol** 1987 Jun; 10(3):237–9

Fludarabine phosphate. Phase II evaluation in advanced soft-tissue sarcomas. Pazdur R, et al. **Am J Clin Oncol** 1987 Aug;10(4):341–3

Prospective study of cardiomyopathy induced by adjuvant doxorubicin therapy in patients with soft-tissue sarcomas. Ettinghausen SE, et al. **Arch Surg** 1986 Dec; 121(12):1445–51

Doxorubicin chemotherapy in the treatment of soft-tissue sarcoma. Combined results of two randomized trials. Wilson RE, et al. **Arch Surg** 1986 Nov;121(11):1354–9

Treatment of advanced and inaccessible sarcomas with continuous intra-arterial chemotherapy prior to definitive surgery or radiotherapy—a possible alternative to amputation or disabling radical surgery. Stephens FO, et al. **Aust NZ J Surg** 1987 Jul;57(7):435–40

High-dose doxorubicin infusion therapy for disseminated mixed mesodermal sarcoma of the uterus. Gershenson DM, et al. **Cancer** 1987 Apr 1;59(7):1264–7

A useful high-dose intermittent schedule of adriamycin and DTIC in the treatment of advanced sarcomas. Saiki JH, et al. **Cancer** 1986 Nov 15;58(10):2196–7

Cisplatin. A phase II evaluation in previously untreated patients with soft tissue sarcomas. Sordillo PP, et al. **Cancer** 1987 Mar 1;59(5):884–6

Cyclophosphamide versus ifosfamide: preliminary report of a randomized phase II trial in adult soft tissue sarcomas. Bramwell VH, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S13–6

The role of ifosfamide in paediatric soft tissue sarcomas. de Kraker J, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S23–4

Phase II study of ifosfamide + adriamycin in advanced soft tissue sarcoma in adults. A preliminary analysis. Dombernowsky P, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S17

Alternatives to CYVADIC combination therapy of soft tissue sarcomas. Hartlapp JH, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S20–2

A phase II study of ifosfamide in the treatment of recurrent sarcomas in young people. Magrath I, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S25–8

Ifosfamide plus mesna with and without adriamycin in soft tissue sarcoma. Wiltshaw E, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S10–2

Phase II trial of cisplatin and etoposide in children with advanced soft tissue sarcoma: a report from the Italian Cooperative Rhabdomyosarcoma Group. Carli M, et al. **Cancer Treat Rep** 1987 May;71(5):525–7

Inefficacy of cisplatin and etoposide as salvage therapy for children with recurrent or unresponsive soft tissue sarcoma. Raney RB Jr. **Cancer Treat Rep** 1987 Apr;71(4):407–8

Cyclophosphamide versus ifosfamide: final report of a randomized phase II trial in adult soft tissue sarcomas. Bramwell VH, et al. **Eur J Cancer Clin Oncol** 1987 Mar; 23(3):311–21

Combination chemotherapy using adriamycin, DTIC, cyclophosphamide, and actinomycin D for advanced soft tissue sarcomas: a randomized comparative trial. A phase III, Southwest Oncology Group Study (7613). Baker LH, et al. **J Clin Oncol** 1987 Jun;5(6):851–61

Grade 3 nausea, vomiting, and myelosuppression or progressive, metastatic sarcoma? [editorial] Benjamin RS. **J Clin Oncol** 1987 Jun;5(6):833–5

Randomized comparison of three adriamycin regimens for metastatic soft tissue sarcomas. Borden EC, et al. **J Clin Oncol** 1987 Jun;5(6):840–50

Ifosfamide with mesna uroprotection and etoposide: an effective regimen in the treatment of recurrent sarcomas and other tumors of children and young adults. Miser JS, et al. **J Clin Oncol** 1987 Aug;5(8):1191–8

Soft-tissue sarcomas of the extremities [letter] Sylvester R. **J Clin Oncol** 1987 Feb;5(2):321–2

Doxorubicin and methotrexate on a weekly schedule in patients with sarcomas. Chlebowski RT, et al. **Oncology** 1987;44(4):210–3

[Treatment of soft tissue sarcomas in the adult with a combination of vindesine and cisplatin with doxorubicin or epirubicin: a pilot study] Becouarn Y, et al. **Bull Cancer (Paris)** 1987;74(2):109–16 (Eng. Abstr.) **(Fre)**

[Importance of anthracyclines in tumors of the ovary and endometrium and soft tissue sarcomas] Mignot L. **Pathol Biol (Paris)** 1987 Jan;35(1):118–22 (Eng. Abstr.) **(Fre)**

[Neoadjuvant chemotherapy of sarcoma. The experiences of the German Society for Pediatric Oncology studies on osteosarcoma, Ewing's sarcoma and rhabdomyosarcoma] Winkler K, et al. **Dtsch Med Wochenschr** 1987 Sep 4; 112(36):1385–90 **(Ger)**

[Results of the treatment of non-rhabdomyosarcomatous soft tissue neoplasms within the scope of the CWS 81 study] Treuner J, et al. **Klin Padiatr** 1987 May-Jun;199(3):209–17 (Eng. Abstr.) **(Ger)**

[Therapeutic effect of adjuvant combination chemotherapy in the treatment of 8 cases of childhood soft-tissue sarcoma] Imashuku S, et al. **Gan To Kagaku Ryoho** 1987 Apr; 14(4):1063–8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

An excess of uterine sarcomas after pelvic irradiation. Meredith RF, et al. **Cancer** 1986 Nov 1;58(9):2003–7

Soft tissue sarcoma associated with aluminum oxide ceramic total hip arthroplasty. A case report. Ryu RK, et al. **Clin Orthop** 1987 Mar;(216):207–12

Soft tissue sarcomas apparently arising in chronic tropical ulcers. Fletcher CD. **Histopathology** 1987 May; 11(5):501–10

Bone sarcomas linked to radiotherapy and chemotherapy in children. Tucker MA, et al. **N Engl J Med** 1987 Sep 3; 317(10):588–93

Mandibular sarcoma as a second neoplasm following radiotherapy for a nasopharyngeal carcinoma in childhood (case report). Papavasiliou C, et al. **Radiother Oncol** 1987 Apr;8(4):333–5

Sarcomas of the soft tissues and bones induced by radiotherapy; a report of 10 cases. Basso-Ricci S. **Rays** 1985 May–Aug;10(2):125–9

[Radiation-induced sarcomas] Gun'ko RI, et al. **Vopr Onkol** 1986;32(11):79–83 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

The significance of double phenotypic patterns and markers in human sarcomas. A new model of mesenchymal differentiation. Brooks JJ. **Am J Pathol** 1986 Oct; 125(1):113–23

Flow cytometric analysis of human uterine sarcomas and cell lines. Nelson KG, et al. **Cancer Res** 1987 Jun 1; 47(11):2814–20

Cytogenetic analysis of a gossypol-induced murine myxosarcoma. Dhaliwal MK, et al. **JNCI** 1987 Jun; 78(6):1203–9

Involvement of chromosome X in primary cytogenetic change in human neoplasia: nonrandom translocation in synovial sarcoma. Turc-Carel C, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1981–5

IMMUNOLOGY

Growth stage dependent expression of MHC antigens on the canine transmissible venereal sarcoma. Yang TJ, et al. **Br J Cancer** 1987 Feb;55(2):131–4

Common leukocyte antigen staining of a primitive sarcoma. McDonnell JM, et al. **Cancer** 1987 Apr 15;59(8):1438–41

Antineuron specific enolase staining reactions in sarcomas and carcinomas: its lack of neuroendocrine specificity. Leader M, et al. **J Clin Pathol** 1986 Nov;39(11):1186–92

Cellular immune response to human sarcomas: cytotoxic T cell clones reactive with autologous sarcomas. I. Development, phenotype, and specificity. Slovin SF, et al. **J Immunol** 1986 Nov 1;137(9):3042–8

A human monoclonal antibody produced by in vitro sensitization of human lymphocytes with an antigen from urine of a sarcoma patient. Huth JF, et al. **J Surg Res** 1987 Jun;42(6):591–6

Labeling of sarcoma associated monoclonal antibody with 111In, 67Ga and 125I. Lavie E, et al. **Radiother Oncol** 1987 Feb;8(2):129–35

HLA-A2 in sarcomas: an immunobiologic perspective. Slovin SF, et al. **Transplantation** 1987 Jun;43(6):923–5

METABOLISM

Altered leucine metabolism in noncachectic sarcoma patients. Inculet RI, et al. **Cancer Res** 1987 Sep 1;47(17):4746–9

DNA microspectrophotometry of bone sarcomas in tissue sections as compared to imprint and flow DNA analysis. Bauer HC, et al. **Cytometry** 1986 Nov;7(6):544–50

An analysis of the sensitivity and specificity of the cytokeratin marker CAM 5.2 for epithelial tumours. Results of a study of 203 sarcomas, 50 carcinomas and 28 malignant melanomas. Leader M, et al. **Histopathology** 1986 Dec; 10(12):1315–24

Expression of epithelial markers in sarcomatoid carcinoma: an immunohistochemical study. Ogawa K, et al. **Histopathology** 1987 May;11(5):511–22

Characterization of intra-tumoral porphyrin following injection of hematoporphyrin derivative or its purified component. Dougherty TJ, et al. **Photochem Photobiol** 1987 Jul;46(1):67–70

Desmin: its value as a marker of muscle derived tumours using a commercial antibody. Leader M, et al. **Virchows Arch [A]** 1987;411(4):345–9

[In-vivo marking of human tumors using BUDR for flow-cytometry determination of kinetic cell parameters] Kärcher H, et al. **Strahlenther Onkol** 1987 Mar; 163(3):195–200 (Eng. Abstr.) **(Ger)**

MORTALITY

Soft-tissue sarcoma: case-control study [letter] Sobel W, et al. **J Occup Med** 1986 Sep;28(9):804, 806, 808

[Prognostic significance of certain factors in myogenic soft-tissue sarcomas of the extremities and trunk] Gafur-Akhunov MA, et al. **Sov Med** 1986;(8):90–2 **(Rus)**

OCCURRENCE

Soft-tissue sarcomas, malignant lymphomas, and 2,3,7,8-TCDD exposure in Seveso [letter] Merlo F, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1455

[Incidence of granular cell myoblastoma, 1980–1985] Boot JM, et al. **Ned Tijdschr Geneeskd** 1987 May 16; 131(20):860–3 (Eng. Abstr.) **(Dut)**

[Soft tissue sarcomas] Rosen A, et al. **Harefuah** 1987 Apr 1;112(7):322–4 (Eng. Abstr.) **(Heb)**

PATHOLOGY

Fine needle aspiration cytology of sarcomas metastatic to the lung. Kim K, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):688–94

Fine needle aspiration cytology of soft-tissue lesions. Miralles TG, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec; 30(6):671–8

Fine needle aspiration cytology of metastatic malignant rhabdoid tumor. Wakely PE Jr, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):533–7

Cytologic presentation of alveolar soft-part sarcoma of the vagina. A case report. Zaleski S, et al. **Acta Cytol (Baltimore)** 1986 Nov–Dec;30(6):665–70

Myxoid sarcoma arising from the pulmonary trunk. Atari E, et al. **Acta Pathol Jpn** 1987 Feb;37(2):315–22

Alveolar soft part sarcoma, granular cell tumor, and paraganglioma. An immunohistochemical comparative study. Ogawa K, et al. **Acta Pathol Jpn** 1986 Jun; 36(6):895–904

Epithelioid sarcoma. An immunohistochemical study. Manivel JC, et al. **Am J Clin Pathol** 1987 Mar;87(3):319–26

Uterine sarcoma: an analysis of 74 cases. Covens AL, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):370–4

Primary retroperitoneal sarcomas. Solla JA, et al. **Am J Surg** 1986 Nov;152(5):496–8

The purely epithelioid peripheral nerve sheath tumor [letter] Kelly J. **Am J Surg Pathol** 1987 May;11(5):408

Chordoma with a massive spindle-cell sarcomatous transformation. A light- and electron-microscopic and immunohistological study. Miettinen M, et al. **Am J Surg Pathol** 1987 Jul;11(7):563–70

Breast sarcoma with giant cells and osteoid. A case report and review of the literature. Mufarrij AA, et al. **Am J Surg Pathol** 1987 Mar;11(3):225–30

Ewing's sarcoma and related small round cell neoplasms in children. Yunis EJ. **Am J Surg Pathol** 1986;10 Suppl 1:54–62 (39 ref.)

Gastrointestinal lymphoma and sarcoma. A case for aggressive search and destroy. Adkins RB Jr, et al. **Ann Surg** 1987 Jun;205(6):625–33

Alveolar soft-part sarcoma of the female genital tract. Case report with ultrastructural findings. Kopolovic J, et al. **Arch Gynecol** 1987;240(2):125–9

Rare primary sarcomas of the heart. Klima T, et al. **Arch Pathol Lab Med** 1986 Dec;110(12):1155–9

Value of fine needle aspiration cytology in the diagnosis of soft tissue tumours: a preliminary study on the excised specimen. Kissin MW, et al. **Br J Surg** 1987 Jun; 74(6):479–80

Alveolar soft part sarcoma. A clinicopathologic and immunohistochemical study. Auerbach HE, et al. **Cancer** 1987 Jul 1;60(1):66–73

Sarcomatoid renal tumors. Clinicopathologic correlation of three cases. Bonsib SM, et al. **Cancer** 1987 Feb 1; 59(3):527–32

Histologic features relating to prognosis in synovial sarcoma. Cagle LA, et al. **Cancer** 1987 May 15;59(10):1810–4

Epithelial profile of epithelioid sarcoma. An immunohistochemical analysis of eight cases. Daimaru Y, et al. **Cancer** 1987 Jan 1;59(1):134–41

Soft tissue sarcomas of the adult thoracic wall. Greager JA, et al. **Cancer** 1987 Jan 15;59(2):370–3

Hepatocellular carcinoma with sarcomatous change. Clinicopathologic and immunohistochemical studies of 14 autopsy cases. Kakizoe S, et al. **Cancer** 1987 Jan 15; 59(2):310–6

Synovial sarcomas. True carcinosarcomas? Leader M, et al. **Cancer** 1987 Jun 15;59(12):2096–8

Immunocytochemical study of an endometrial diffuse clear cell stromal sarcoma and other endometrial stromal sarcomas. Lifschitz-Mercer B, et al. **Cancer** 1987 Apr 15; 59(8):1494–9

Bone sarcomas associated with Ollier's disease. Liu J, et al. **Cancer** 1987 Apr 1;59(7):1376–85

Sarcomatoid renal cell carcinoma: clinicopathologic. A study of 42 cases. Ro JY, et al. **Cancer** 1987 Feb 1;59(3):516–26

Sarcomatoid renal cell carcinoma. A treatable entity. Sella A, et al. **Cancer** 1987 Sep 15;60(6):1313–8

Granular cell myoblastoma (GCM): contribution of three cases with genital involvement. Bonilla-Musoles F, et al. **Eur J Gynaecol Oncol** 1987;8(2):110–4

Cellular ras activity and tumor cell proliferation. Stacey DW, et al. **Exp Cell Res** 1987 Jul;171(1):232–42

Hepatic sarcomas in adults: a review of 25 cases. Forbes A, et al. **Gut** 1987 Jun;28(6):668–74

Sarcoma of the uterine cervix: clinicopathologic findings in three cases. Abdul-Karim FW, et al. **Gynecol Oncol** 1987 Jan;26(1):103–11

Endometrial stromal sarcoma: a clinicopathologic study of 11 cases with determination of estrogen and progestin receptor levels in three tumors. Katz L, et al. **Gynecol Oncol** 1987 Jan;26(1):87–97

Soft tissue sarcomas of the hand. Rosenberg AE, et al. **Hand Clin** 1987 May;3(2):247–61

Epithelial markers in soft tissue sarcomas [letter] Fisher C. **Histopathology** 1987 Aug;11(8):880–1

Sarcomatous change in granulosa cell tumor. Susil BJ, et al. **Hum Pathol** 1987 Apr;18(4):397–9

Pseudosarcomatous cystadenocarcinoma of the liver. Unger PD, et al. **Hum Pathol** 1987 May;18(5):521–3

Sarcomatous degeneration of giant cell tumours. Boriani S, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):191–9

Epithelioid sarcoma in association with total knee replacement. A case report. Weber PC. **J Bone Joint Surg [Br]** 1986 Nov;68(5):824–6

Soft-tissue and bone sarcoma histopathology peer review: the frequency of disagreement in diagnosis and the need for second pathology opinions. The Southeastern Cancer Study Group experience. Presant CA, et al. **J Clin Oncol** 1986 Nov;4(11):1658–61

Interferon-induced phenotypic changes in human tumor cells relative to the effects of interferon on c-ras oncogene expression. Brouty-Boyé D, et al. **J Interferon Res** 1986 Oct;6(5):461–71

Adult soft tissue sarcomas. Duttenhaver J. **J Med Assoc Ga** 1986 Sep;75(9):558–9

Cutaneous sporotrichosis presenting as soft tissue sarcoma. Sen SK, et al. **J Natl Med Assoc** 1986 Nov;78(11):1099–101

Primary retroperitoneal sarcoma in the female pelvis. A report of three cases. Choo YC, et al. **J Reprod Med** 1987 Feb;32(2):157–60

Unusual renal sarcoma in a young adult: its similarities to clear cell sarcoma of the kidney. Ogawa K, et al. **J Urol** 1987 Apr;137(4):730–1

A case report of mixed mesodermal tumor of the uterine cervix (mixed, heterologous and homologous sarcoma of the uterine cervix). Sugimura H, et al. **Jpn J Clin Oncol** 1986 Dec;16(4):391–6

A unified hypothesis for the histogenesis of the soft tissue sarcomas of unknown origin. Masliah E. **Med Hypotheses** 1986 Aug;20(4):393–401

Identification of patients with soft tissue sarcoma with high risk of metastases before the treatment. Ruka W. **Nowotwory** 1986 Apr–Jun;36(2):106–13

Nodular fasciitis of the vulva: a report of two cases. LiVolsi VA, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 2):513–6

Poorly differentiated fibrosarcoma (spindle cell sarcoma) involving the temporal bone. Yoshihara T, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):249–55

Dermal monocytic sarcoma/monoblastic tumour: report of two cases of acute monocytic leukemia with initial dermal manifestations only. Miliauskas JR. **Pathology** 1986 Apr; 18(2):249–53

The growth rate of bone sarcoma—prognostic and therapeutic value. Balmukhanov SB, et al. **Radiobiol Radiother (Berl)** 1986;27(4):429–36

Sarcomatoid carcinoma of the breast: an immunohistochemical study of six cases. Meis JM, et al. **Virchows Arch [A]** 1987;410(5):415–21

Epithelioid sarcoma in children and adolescents. An immunohistochemical study. Schmidt D, et al. **Virchows Arch [A]** 1987;410(5):423–31

Epithelioid sarcoma and epithelioid hemangioendothelioma: an immunocytochemical and lectin-histochemical comparison. Wick MR, et al. **Virchows Arch [A]** 1987; 410(4):309–16

[Immunohistochemical methods in the diagnosis and differential diagnosis of mesenchymal skin tumors] Meister P. **Hautarzt** 1986 Oct;37(10):537–46 (Eng. Abstr.) **(Ger)**

[Fine needle aspiration biopsy of breast sarcomas] Degrell I. **Pathologe** 1986 Sep;7(5):283–7 **(Ger)**

[Prognostic factors in sarcomas of the soft tissues] Saccani Jotti G, et al. **Acta Biomed Ateneo Parmense** 1986; 57(5–6):187–201 (Eng. Abstr.) **(Ita)**

[Pleomorphic adenocarcinoma of the pancreas with extrapancreatic proliferation] Doihara H, et al. **Gan No Rinsho** 1987 Jan;33(1):107–14 (Eng. Abstr.) **(Jpn)**

[Current topics in the histological diagnosis of soft tissue sarcomas] Enjoji M. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1570–6 (Eng. Abstr.) **(Jpn)**

[A study of the effect of anti-tumor agents combined with caffeine on established lines of human osteosarcoma cells and primary cultured human sarcoma cells by clonogenic assay] Tsuchiya H, et al. **Gan To Kagaku Ryoho** 1987 Jul; 14(7):2269–75 (Eng. Abstr.) **(Jpn)**

[Chordoid sarcoma of the tibia] Biernat S, et al. **Nowotwory** 1986 Jan–Mar;36(1):71–7 (Eng. Abstr.) **(Pol)**

[Morphologic and clinical evaluation of malignant non-epithelial and mixed neoplasms of the genital organs. I. Heterologous sarcoma, stromal sarcoma, carcinosarcoma and adenocarcinoma] Niezabitowski A, et al. **Patol Pol** 1986 Apr–Jun;37(2):154–69 (Eng. Abstr.) **(Pol)**

[Enzinger's clear cell sarcoma. Case report] Wasilewska A, et al. **Patol Pol** 1986 Jan–Mar;37(1):88–92 (Eng. Abstr.) **(Pol)**

[Sarcomatoid cancer of the kidney] Vlodavskil EA. **Vrach Delo** 1987 Apr;(4):80–1 **(Rus)**

[Sarcoma of the thyroid: apropos of a case (letter)] Llados J, et al. **Rev Clin Esp** 1986 Oct;179(6):335–6 **(Spa)**

PHYSIOPATHOLOGY

Coexistence of a chemotactic factor and a retroviral

P15E-related chemotaxis inhibitor in human tumor cell culture supernatants. Wang JM, et al. **J Immunol** 1986 Oct 15;137(8):2726–32

Resting energy expenditure and body cell mass alterations in noncachectic patients with sarcomas. Peacock JL, et al. **Surgery** 1987 Sep;102(3):465–72

RADIOGRAPHY

Pulmonary artery sarcoma—unusual pulmonary angiographic findings—a case report. Schermoly M, et al. **Angiology** 1987 Aug;38(8):617–21

Pre-operative assessment of soft tissue sarcomas by computed tomography. Davidson T, et al. **Br J Surg** 1987 Jun; 74(6):474–8

Clear cell sarcoma of tendons and aponeuroses (malignant melanoma of soft parts) with unusual roentgenologic findings. Case report. Morishita S, et al. **Clin Orthop** 1987 Mar;(216):276–9

Epithelioid sarcoma. Schwartz HS, et al. **Orthopedics** 1987 Sep;10(9):1299–302

Renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features. Shirkhoda A, et al. **Radiology** 1987 Feb;162(2):353–7

Case report 371: Alveolar soft parts sarcoma (brain and thigh). Howard BA, et al. **Skeletal Radiol** 1986;15(6):468–72

Case report 423: Clear-cell sarcoma plantar aspect of right foot. Sartoris DJ, et al. **Skeletal Radiol** 1987;16(4):325–32

RADIONUCLIDE IMAGING

Localization of human sarcoma with radiolabeled monoclonal antibody. A preliminary study. Greager JA, et al. **Cancer Immunol Immunother** 1986;23(2):148–54

Scintigraphy with gallium-67 citrate in staging of soft-tissue sarcomas of the extremity. Finn HA, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):886–91

RADIOTHERAPY

Fast neutron radiotherapy for soft tissue sarcomas. University of Washington experience and review of the world's literature. Pelton JG, et al. **Am J Clin Oncol** 1986 Oct; 9(5):397–400

Heavy charged particle therapy of bone and soft tissue sarcoma. A phase I–II trial of the University of California Lawrence Berkeley Laboratory and the Northern California Oncology Group. Reimers M, et al. **Am J Clin Oncol** 1986 Dec;9(6):488–93

Paget's sarcoma of the skull—a long term survivor with radiotherapy. Khor TH, et al. **Australas Radiol** 1986 May; 30(2):121–3

The role of radiotherapy in the management of sarcomas of soft tissue and bone. Tiver KW. **Australas Radiol** 1986 Aug;30(3):199–205

The value of neutron- and neutron-boost irradiation for the local control of advanced soft tissue sarcomas. Schmitt G, et al. **Bull Cancer (Paris)** 1986;73(5):577–81

Combined intraoperative and postoperative irradiation for soft tissue sarcomas. Nobler MP. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):112–21

The histologic response of soft tissue sarcoma to radiation therapy. Willett CG, et al. **Cancer** 1987 Oct 1;60(7):1500–4

Radiation treatment planning for soft tissue sarcomas. Parker RG, et al. **Front Radiat Ther Oncol** 1987;21:247–55

Observations on the use of adjuvant radiation therapy in patients with stage I and II uterine sarcoma. Hornback NB, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2127–30

Fast neutron therapy for soft tissue sarcoma. Pickering DG, et al. **Int J Radiat Oncol Biol Phys** 1987 Oct;13(10):1489–95

Radiation therapy for unresectable soft tissue sarcomas. Slater JD, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct; 12(10):1729–34

The treatment of soft tissue sarcomas in adults. Nicolato A, et al. **Rays** 1985 Jan-Apr;10(1):127–30

[Postoperative irradiation of sarcoma of retroperitoneal soft tissues. Prevention of radio-lesions of the small intestine by a silicone balloon (letter)] Mazeron JJ, et al. **Presse Med** 1987 Mar 21;16(10):492 **(Fre)**

REHABILITATION

[Medical rehabilitation of patients after amputation of the leg in sarcoma] Stoliarov VI, et al. **Vestn Khir** 1987 Jan; 138(1):54–9 (Eng. Abstr.) **(Rus)**

SECONDARY

Intraocular metastasis of alveolar soft-part sarcoma. Case report. Pak W, et al. **Arch Ophthalmol** 1987 Jul;105(7):894–5

Resection of recurrent pulmonary metastases in patients with soft-tissue sarcomas. Rizzoni WE, et al. **Arch Surg** 1986 Nov;121(11):1248–52

Left atrial metastasis presenting as recurrent embolic strokes. Chalmers N, et al. **Br Heart J** 1987 Aug;58(2):170–2

Technetium-99m MDP accumulation in hepatic metastasis from osteogenic sarcoma. Palestro C, et al. **Clin Nucl Med** 1987 Apr;12(4):329–30

Aspiration biopsy cytology of metastatic endometrial stromal sarcoma and extragenital mixed mesodermal tumor. Nguyen GK, et al. **Diagn Cytopathol** 1986 Sep;2(3):256–60

Cardiac metastases from soft-tissue sarcomas. Hallahan DE, et al. **J Clin Oncol** 1986 Nov;4(11):1662–9

Endometrial stromal sarcoma metastatic to the skull—case report. Date I, et al. **Neurol Med Chir (Tokyo)** 1986 Jul; 26(7):571–4

Isolated cardiac metastatic recurrence of epithelioid sarcoma after two and a half disease-free years. Steinherz LJ, et al. **NY State J Med** 1987 Apr;87(4):231–3

Hematogenous spinal leptomeningeal metastasis: a unique CT enhancement pattern. Hoffman SM, et al. **Pediatr Radiol** 1987;17(2):147–8

[Excavated, thin-walled pulmonary metastases of a sarcoma of the cervix uteri] Lemarie E, et al. **Rev Pneumol Clin** 1986;42(3):153–6 (Eng. Abstr.) **(Fre)**

[A case of malignant alveolar soft tissue sarcoma] Winzer KJ, et al. **Zentralbl Chir** 1987;112(1):76–9 **(Ger)**

[Role of pulmonary resection in the management of patients with metastatic bone and soft tissue sarcomas] Amino K, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):998–1007 (Eng. Abstr.) **(Jpn)**

SURGERY

Pyrexia associated with a retroperitoneal tumour [letter] Eddleston JM. **Anaesthesia** 1987 Feb;42(2):213–4

Application of magnetic resonance imaging and computerized tomography as an adjunct to the surgical management of soft tissue sarcomas. Bland KI, et al. **Ann Surg** 1987 May;205(5):473–81

Localized, operable soft tissue sarcoma of the lower extremity. Collin C, et al. **Arch Surg** 1986 Dec; 121(12):1425–33

Clear cell sarcoma of the tendinous portion of the quadriceps muscle at the knee joint managed by limb-sparing surgery. Kenan S, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall; 46(2):129–36

Current concepts in the management of soft tissue sarcomas of the extremities. Kenan S, et al. **Bull Hosp Jt Dis Orthop Inst** 1986 Fall;46(2):108–11

Therapeutic value of scapular and pelvic girdle disarticulations in sarcoma. Lienard D, et al. **Eur J Surg Oncol** 1987 Jun;13(3):231–7

Alveolar soft part sarcoma of the tongue. Donald PJ. **Head Neck Surg** 1987 Jan-Feb;9(3):172–8

Wound complications in the multimodality treatment of extremity and superficial truncal sarcomas. Arbeit JM, et al. **J Clin Oncol** 1987 Mar;5(3):480–8

Localized extremity soft tissue sarcoma: an analysis of factors affecting survival. Collin C, et al. **J Clin Oncol** 1987 Apr; 5(4):601–12

Eastern Cooperative Oncology Group: a comparison of adjuvant doxorubicin and observation for patients with localized soft tissue sarcoma. Lerner HJ, et al. **J Clin Oncol** 1987 Apr;5(4):613–7

Implant clear cell sarcoma (malignant melanoma of soft parts). Leelasetakul S, et al. **J Med Assoc Thai** 1987 Mar; 70(3):151–5

Uterine sarcoma: a retrospective study. Wen BC, et al. **J Surg Oncol** 1987 Feb;34(2):104–8

Primary cardiac neoplasms. Early and late results of surgical treatment in 42 patients. Dein JR, et al. **J Thorac Cardiovasc Surg** 1987 Apr;93(4):502–11

Tumour-induced intraluminal stenoses of the cervical trachea—tumour excision and tracheoplasty. Daum R, et al. **Prog Pediatr Surg** 1987;21:50–7

Limb sparing operations for sarcomas of the extremities involving critical arterial circulation. Steed DL, et al. **Surg Gynecol Obstet** 1987 Jun;164(6):493–8

Vascular reconstruction for limb salvage in soft tissue sarcomas. Nambisan RN, et al. **Surgery** 1987 Jun; 101(6):668–77

Limb-sparing surgery for soft tissue sarcomas: wound related morbidity in patients undergoing wide local excision. Skibber JM, et al. **Surgery** 1987 Sep;102(3):447–52

[Surgical technic of soft tissue sarcomas of the trunk] Schumpelick V, et al. **Chirurg** 1987 Jul;58(7):463–9 **(Ger)**

[Clinical aspects, therapy and prognosis of meningeal sarcomas] Szuwart U, et al. **Nervenarzt** 1987 Apr; 58(5):287–91 **(Ger)**

[Malignant soft tissue tumors—therapy and results] Butenschön K, et al. **Zentralbl Chir** 1987;112(10):601–10 (Eng. Abstr.) **(Ger)**

[Experience with preoperative intra-arterial chemotherapy in malignant soft tissue tumors] Kónya A, et al. **Orv Hetil** 1987 Jul 12;128(28):1457–64 (Eng. Abstr.) **(Hun)**

[Surgical treatment of malignant soft tissue tumors] Amino K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1589–96 (Eng. Abstr.) **(Jpn)**

[A successful surgical treatment of a giant primary mediastinal sarcoma] Sakakibara N, et al. **Kyobu Geka** 1986 Jul;39(7):569–72 (Eng. Abstr.) **(Jpn)**

[Primary malignant cardiac tumors: a report of four cases] Saigenji H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1986 Nov;34(11):1974–9 (Eng. Abstr.) **(Jpn)**

[A case of alveolar soft-part sarcoma with recurrent cerebral metastasis—operative management of the cerebral metastasis] Saitoh Y, et al. **No To Shinkei** 1986 Oct; 38(10):987–91 (Eng. Abstr.) **(Jpn)**

[Clear-cell sarcoma of the tendons and aponeurons] Helseth A, et al. **Tidsskr Nor Laegeforen** 1987 Mar 20;107(8):734–8 (Eng. Abstr.) **(Nor)**

[Prognostic factors and possibilities of treating retroperitoneal sarcoma] Ruka W, et al. **Nowotwory** 1986 Apr-Jun; 36(2):114–23 (Eng. Abstr.) **(Pol)**

[Methodologic basis for laryngectomy after earlier tracheostomy] Nasyrov VA, et al. **Vestn Otorinolaringol** 1987 Mar-Apr;(2):40–3 (Eng. Abstr.) **(Rus)**

[Rare respiratory obstruction during pneumonectomy] Manrique J, et al. **Rev Esp Anestesiol Reanim** 1987 Jan-Feb; 34(1):67–8 (Eng. Abstr.) **(Spa)**

THERAPY

Adjuvant therapy for stage I uterine sarcoma. Rose PG, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):660–2

Adult soft tissue sarcomas. A pattern of care survey of the American College of Surgeons. Lawrence W Jr, et al. **Ann Surg** 1987 Apr;205(4):349–59

Chemotherapy and radiotherapy of malignant hepatic tumours. Forbes A, et al. **Baillieres Clin Gastroenterol** 1987 Jan;1(1):151–69 (107 ref.)

Hepatic undifferentiated (embryonal) sarcoma and rhabdomyosarcoma in children. Results of therapy. Horowitz ME, et al. **Cancer** 1987 Feb 1;59(3):396–402

Clinical experience with intravenous radiosensitizers in unresectable sarcomas. Kinsella TJ, et al. **Cancer** 1987 Mar 1;59(5):908–15

Improved prognosis with intensive treatment of children with cranial soft tissue sarcomas arising in nonorbital parameningeal sites. A report from the Intergroup Rhabdomyosarcoma Study. Raney RB Jr, et al. **Cancer** 1987 Jan 1;59(1):147–55

Preoperative induction chemotherapy in the treatment of locally advanced soft tissue sarcomas. Rouëssé JG, et al. **Cancer** 1987 Aug 1;60(3):296–300

Phase II study of recombinant gamma-interferon in patients with advanced nonosseous sarcomas. Edmonson JH, et al. **Cancer Treat Rep** 1987 Feb;71(2):211–3

Ovarian sarcoma. Anderson B, et al. **Gynecol Oncol** 1987 Feb;26(2):183–92

Combined treatment approaches to soft tissue sarcomas. Rosenberg SA. **Hosp Pract [Off]** 1987 Jul 15;22(7):151–9, 162–6

Limited surgery and radiation therapy for sarcomas of the hand and foot. Kinsella TJ. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2045–6

Combined modality treatment of adult soft tissue sarcomas of the head and neck. McKenna WG, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1127–33

Extremity preservation by combined modality treatment of sarcomas of the hand and wrist. Okunieff P, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1923–9

The clinical utility of preoperative therapy for sarcomas. Simon MA, et al. **J Bone Joint Surg [Am]** 1986 Dec; 68(9):1458–63 (28 ref.)

Hyperthermia and radiotherapy in the treatment of soft tissue sarcomas. First clinical experience. Bistolfi F, et al. **Panminerva Med** 1987 Apr-Jun;29(2):105–13

[Effect of splenin and zymosan on the immune system of patients with a soft tissue sarcoma] Dziubko NIa, et al. **Vrach Delo** 1987 Jul;(7):81–3 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Sarcomatous variants of Wilms' tumor. Immunohistochemical and ultrastructural comparison with classical Wilms' tumor. Takagi M, et al. **Cancer** 1987 Mar 1;59(5):963–71

Synovial sarcoma: ultrastructural and immunohistochemical features of epithelial differentiation in monophasic and biphasic tumors. Fisher C. **Hum Pathol** 1986 Oct; 17(10):996–1008

Vaginal müllerian stromal sarcoma. A case report. Goyert G, et al. **J Reprod Med** 1987 Feb;32(2):129–30

Ultrastructural, immunocytochemical, and cytogenetic characterization of a human epithelioid sarcoma cell line (RM-HS1). Reeves BR, et al. **JNCI** 1987 Jan;78(1):7–18

The ultrastructural distinction between rhabdomyosarcoma and other undifferentiated "sarcomas". Erlandson RA. **Ultrastruct Pathol** 1987;11(2-3):83–101

[An ultrastructural analysis of malignant soft tissue tumors] Tsuneyoshi M. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1577–83 (Eng. Abstr.) **(Jpn)**

VETERINARY

Parvovirus-induced regression of canine transmissible venereal sarcoma. Yang TJ. **Am J Vet Res** 1987 May; 48(5):799–800

Influence of WR 2721 on radiation response of canine soft tissue sarcomas. McChesney SL, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1957–63

Metastatic transmissible venereal sarcoma in a dog. Yang TJ. **J Am Vet Med Assoc** 1987 Mar 1;190(5):555–6

An unusual pleomorphic sarcoma in a hybrid mallard. Roffe TJ. **J Wildl Dis** 1987 Apr;23(2):334–7

Spontaneous tumors of the meninges in rats. Mitsumori K, et al. **Vet Pathol** 1987 Jan;24(1):50–8

Cranial metastasis of canine transmissible venereal sarcoma. Placke ME, et al. **Zentralbl Veterinarmed [A]** 1987 Feb; 34(2):125–32

[Transmissible venereal sarcoma in a dog (Sticker's sarcoma) in Somalia] Cristofori F, et al. **Rev Elev Med Vet Pays Trop** 1985;38(3):235–8 (Eng. Abstr.) **(Fre)**

SARCOMA 37 see under **SARCOMA, EXPERIMENTAL**

SARCOMA 180

ANALYSIS

Inhibition of tumor-induced migration of bovine capillary endothelial cells by mouse and rabbit tumor necrosis factor. Mano-Hirano Y, et al. **JNCI** 1987 Jan;78(1):115-20

BLOOD

[Changes in serum protein in cancer] Itoh H. **Nippon Shokakibyo Gakkai Zasshi** 1986 Aug;83(8):1435-43 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Antitumoral activity of polysaccharide isolated from Cyttaria johowii on the growth of sarcoma 180 in normal and splenectomized mice. Chasseing NA, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(1):29-38

Anticancer activity of new 3-amino-pyrrolidinedione-nitrogen mustard derivatives on murine sarcoma 180. Naik SD, et al. **Anticancer Res** 1987 Jan-Feb;7(1):87-90

Antineoplastic activity of azacarbazoles. I. Synthesis and antitumor properties of alpha-carboline and its selected derivatives. Wieczorek J, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(3):315-21

Relationship between the structures and the antitumor activities of tannins. Miyamoto K, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):814-22

Role of vitamin A in prevention and treatment of sarcoma 180 in mice. Ghosh J, et al. **Chemotherapy** 1987;33(3):211-8

Combined effect of cyclophosphamide and extracts of Crotalaria and Senecio plants on experimental tumours. Indap MA, et al. **Indian J Physiol Pharmacol** 1986 Apr-Jun; 30(2):182-6

Antitumor activity of a beta-1,3-glucan obtained from liquid cultured mycelium of Grifola frondosa. Ohno N, et al. **J Pharmacobiodyn** 1986 Oct;9(10):861-4

In vitro and in vivo radiosensitizing effects of 2-nitroimidazole derivatives with sugar component. Murayama C, et al. **Strahlenther Onkol** 1987 Jun; 163(6):385-90

[Antitumor effects of different combinations of oridonin, bleomycin A5 and nitrocaphane] Zhang TM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):457-60 (Eng. Abstr.) **(Chi)**

[Synthesis of new antitumor platinum (II) and (IV) complexes] Liu S, et al. **Yao Hsueh Hsueh Pao** 1987 Jan; 22(1):56-61 (Eng. Abstr.) **(Chi)**

[The relationship between structure and anticancer activity of platinum complexes] Qu Y, et al. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):586-91 (Eng. Abstr.) **(Chi)**

[Age-dependent anti-tumor activity of lentinan in mice] Shiio T, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2300-4 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Hepatic triacylglycerol lipase in circulating blood of normal and tumor-bearing mice and its hydrolysis of very-low-density lipoprotein and synthetic acylglycerols. Masuno H, et al. **Biochim Biophys Acta** 1986 Dec 5; 879(3):339-44

Studies on methylglyoxal. II. Changes of methylglyoxal level accompanying the changes of glyoxalase I and II activities in mice bearing L1210 leukemia and sarcoma 180. Matsuura T, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2926-30

Purification and characterisation of a cytosolic protease from S-180 cells and its effect on WGA binding. Chakrabarti R, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):334-8

OF4949, new inhibitors of aminopeptidase B. IV. Effects of OF4949 and its derivatives on enzyme systems. Sano S, et al. **J Antibiot (Tokyo)** 1987 Apr;40(4):512-8

METABOLISM

Decreased autolysis of dead cells in adriamycin-resistant lines of the sarcoma 180 of mouse. Sonka J, et al. **Cancer Chemother Pharmacol** 1986;18(1):83-5

Modulation of in vitro response to adriamycin by verapamil in murine P388 leukaemia, Ehrlich ascites carcinoma and sarcoma 180. Pradhan SG, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):437-42

Inhibition of mannose incorporation into glycoproteins and dolichol-linked intermediates of Sarcoma 180 cells by 6-methylmercaptopurine ribonucleoside. Sokoloski JA, et al. **Int J Cancer** 1987 Jun 15;39(6):764-8

[Effect of 3-aminobenzamide on DNA replication and DNA repair synthesis in S180 cells] Chen G, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):373-7 (Eng. Abstr.) **(Chi)**

[Absorption and distribution of a hematoporphyrin derivative in mice bearing tumors] Wang KQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):90-2 (Eng. Abstr.) **(Chi)**

[Dose, administration time and route and hepatic function-dependent metabolism of 5-FU in mice] Okamoto M, et al. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3483-90 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Lethal and sublethal effects of the combination of doxorubicin and the bisdioxopiperazine, (+)-1,2,-bis (3-5-dioxopiperazinyl-1-yl) propane (ICRF 187), on murine sarcoma S180 in vitro. Wadler S, et al. **Biochem Pharmacol** 1987 May 1;36(9):1495-501

Spontaneous cell shedding by tumor cells in monolayer culture. Skehan P, et al. **In Vitro Cell Dev Biol** 1986 Nov; 22(11):632-6

Inhibition of tumor growth and leukocyte alterations in splenectomized mice treated with a PCJ3 polysaccharide. Rumi LS, et al. **Rev Esp Oncol** 1985;32(2):215-26

PHYSIOPATHOLOGY

Phagocytic activity of the tumor associated macrophages in relation to tumor growth: modulation with levamisole. Bhattacharyya S, et al. **Neoplasma** 1986;33(4):519-26

PREVENTION & CONTROL

Activation of mouse peritoneal macrophages by synthetic glyceroglycolipid liposomes. Naito M, et al. **Cancer Immunol Immunother** 1987;24(2):158-64

THERAPY

Enhancement of immunostimulating and immunotherapeutic effect of BCG vaccines using listerial endotoxin-like substances. Mára M, et al. **Dev Biol Stand** 1986;58 (Pt A):379-87

Rapid tumor regression and induction of tumor-regressing activity in serum by various immune-modulating agents. Baba H, et al. **Int J Immunopharmacol** 1986;8(6):569-72

Enhancement of the in vitro cytotoxicity of bouvardin by verapamil alone and combined with hyperthermia in Sarcoma 180 and Ehrlich ascites carcinoma cells. Chitnis MP, et al. **J Cancer Res Clin Oncol** 1986;112(2):131-4

[Experimental study on the killing effect of hyperbaric oxygen combined with photodynamic therapy on transplanted tumors in mice] Dong GC. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):658-61 (Eng. Abstr.) **(Chi)**

[Evolution of weight and survival of C3H mice with solid, subcutaneous sarcoma 180, treated with radiotherapy, hyperthermia and a combination of hyperthermia and radiotherapy] Navarrete Campos S, et al. **Rev Esp Oncol** 1983;30(3):379-98 (Eng. Abstr.) **(Spa)**

SARCOMA 180, CROCKER see **SARCOMA 180**

SARCOMA, ENGELBRETH-HOLM-SWARM see **SARCOMA, EXPERIMENTAL**

SARCOMA, EWING'S

Vascular disorder [letter] Rosai J, et al. **Am J Surg Pathol** 1987 Aug;11(8):651-4

Primary spinal epidural Ewing's sarcoma. Sharma BS, et al. **Clin Neurol Neurosurg** 1986;88(4):299-302

Ewing's sarcoma and pregnancy. A case report and review of the literature. Loguidice V, et al. **Clin Orthop** 1986 Sep; (210):132-6

ANALYSIS

Immunocytochemical analysis of Ewing's tumors. Patterns of expression of intermediate filaments and desmosomal proteins indicate cell type heterogeneity and pluripotential differentiation. Moll R, et al. **Am J Pathol** 1987 May; 127(2):288-304

Characterization of neural cell adhesion molecules (NCAM) expressed by Ewing and neuroblastoma cell lines. Lipinski M, et al. **Int J Cancer** 1987 Jul 15;40(1):81-6

Collagen and laminin immunoreactivity in Ewing's sarcoma: support for an uncommitted mesenchymal cell derivation. Siegal GP, et al. **Pediatr Pathol** 1986;5(3-4):485-7

COMPLICATIONS

Third trimester chemotherapy and neonatal hematopoiesis. Meador JM, et al. **Cancer Chemother Pharmacol** 1987; 19(2):177-9

Monoarthritis as the presenting manifestation of localized Ewing's sarcoma in an older patient. Halla JT, et al. **J Rheumatol** 1987 Jun;14(3):628-31

DIAGNOSIS

MR imaging of osteogenic and Ewing's sarcoma. Boyko OB, et al. **AJR** 1987 Feb;148(2):317-22

Early detection of bone metastases of Ewing's sarcoma by magnetic resonance imaging. Vanel D, et al. **Diagn Imag Clin Med** 1986;55(6):381-3

Ewing's sarcoma of the upper jaw [letter] Gupta SC. **Ear Nose Throat J** 1987 Apr;66(4):176-7

Primary extra-skeletal Ewing's sarcoma mimicking a disc protrusion. Ruelle A, et al. **Neurochirurgia (Stuttg)** 1987 Jul;30(4):125-6

Retrorectal tumor: is biopsy risky? Verazin G, et al. **South Med J** 1986 Nov;79(11):1437-9

[Special tumors of childhood] Harms D, et al. **Verh Dtsch Ges Pathol** 1986;70:190-204 (Eng. Abstr.) **(Ger)**

[Immunohistochemical studies of Ewing's sarcomas and their differential diagnosis with other "small round blue cell" sarcomas of childhood and adolescence] Llombart-Bosch A, et al. **Verh Dtsch Ges Pathol** 1986;70:321-4 (Eng. Abstr.) **(Ger)**

[Clinico-diagnostic comments on a case of Ewing's sarcoma of the maxilla] Morabito G, et al. **Minerva Stomatol** 1986 Dec;35(12):1191-4 (Eng. Abstr.) **(Ita)**

[Epidural extraskeletal Ewing's sarcoma simulating a herniated disk. Clinical case] Ruelle A, et al. **Riv Neurol** 1986 May-Jun;56(3):183-8 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Role of adriamycin in the therapy of bone sarcomas] Benz-Lemoine E. **Pathol Biol (Paris)** 1987 Jan;35(1):91-6 (Eng. Abstr.) **(Fre)**

[Intra-arterial infusion of cisplatinum in bone and soft tissue tumors] Matsumoto S, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1018-24 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy including cis-platinum in Ewing's sarcoma] Matsumoto S, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1913-6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Lactase dehydrogenase as a tumor marker for recurrent disease in Ewing's sarcoma. Farley FA, et al. **Cancer** 1987 Apr 1;59(7):1245-8

FAMILIAL & GENETIC

Isochromosome 11q in a case of Ewing's sarcoma. Bennett DD, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):97-101

Expression of the second calcitonin/calcitonin gene-related peptide gene in Ewing sarcoma cell lines. Höppener JW, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):809-17

18q-syndrome and extraskeletal Ewing's sarcoma. Machin Valtueña M, et al. **J Med Genet** 1987 Jul;24(7):426-8

t(11;22) and other chromosomal rearrangements in Ewing's sarcoma. Douglass EC, et al. **JNCI** 1986 Dec;77(6):1211-5

Chromosomal analysis in Ewing sarcoma. Callen DF, et al. **Pathology** 1987 Jan;19(1):64-6

IMMUNOLOGY

Neuroectoderm-associated antigens on Ewing's sarcoma cell lines. Lipinski M, et al. **Cancer Res** 1987 Jan 1;47(1):183-7

Phenotypic characterization of Ewing sarcoma cell lines with monoclonal antibodies. Lipinski M, et al. **J Cell Biochem** 1986;31(4):289-96

METABOLISM

Beta-adrenergic agonist- and prostaglandin-mediated regulation of cAMP levels in Ewing's sarcoma cells in culture. van Valen F, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):685-91

Ewing's sarcoma lines synthesize laminin and fibronectin. Scarpa S, et al. **Virchows Arch [A]** 1987;410(5):375-81

MORTALITY

[Critical evaluation of the therapeutic results in Ewing's sarcoma] Rosa MA, et al. **Arch Putti Chir Organi Mov** 1985;35:329-36 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Extraskeletal Ewing's sarcoma. Diagnosis of a case by fine needle aspiration cytology. Brehaut LE, et al. **Acta Cytol (Baltimore)** 1986 Nov-Dec;30(6):683-7

Ewing's sarcoma: fine needle aspiration diagnosis of a tumor arising in the skull [letter] Jayaram G, et al. **Acta Cytol (Baltimore)** 1986 Sep-Oct;30(5):553-4

Ewing's sarcoma. Cytologic features in fine needle aspirates in two cases. Kontozoglou T, et al. **Acta Cytol (Baltimore)** 1986 Sep-Oct;30(5):513-8

Ewing's sarcoma of bone. A correlative cytological and histological study of 14 cases. Dahl I, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):363-9

Experimental evidence for a neural origin of Ewing's sarcoma of bone. Cavazzana AO, et al. **Am J Pathol** 1987 Jun; 127(3):507-18

Epithelioid hemangioendothelioma of bone. A clinicopathologic, ultrastructural, and immunohistochemical study. Tsuneyoshi M, et al. **Am J Surg Pathol** 1986 Nov;10(11):754-64

Ewing's sarcoma and related small round cell neoplasms in children. Yunis EJ. **Am J Surg Pathol** 1986;10 Suppl 1:54-62 (39 ref.)

Extraskeletal Ewing's sarcoma arising in the broad ligament. Longway SR, et al. **Arch Pathol Lab Med** 1986 Nov; 110(11):1058-61

Periosteal Ewing's sarcoma. Bator SM, et al. **Cancer** 1986 Oct 15;58(8):1781-4

Small round blue cell sarcoma of bone mimicking atypical Ewing's sarcoma with neuroectodermal features. An analysis of five cases with immunohistochemical and electron microscopic support. Llombart-Bosch A, et al. **Cancer** 1987 Oct 1;60(7):1570-82

Ewing's sarcoma of bone. Experience with 140 patients. Wilkins RM, et al. **Cancer** 1986 Dec 1;58(11):2551-5

Extraskeletal Ewing's sarcoma in a pregnant woman: a case

report. Gennatas CS, et al. **Eur J Surg Oncol** 1987 Apr; 13(2):163–5

Prognostic significance of tumor volume in localized Ewing's sarcoma of bone in children and adolescents. Göbel V, et al. **J Cancer Res Clin Oncol** 1987;113(2):187–91

Ewing's sarcoma. Spjut HJ. **Pediatr Pathol** 1987;7(1):79–84

Extraskeletal Ewing's sarcoma. Huntrakoon M. **Ultrastruct Pathol** 1987;11(4):411–9

[Ewing's sarcoma. New clinico-pathological aspects] Matejovsky Z, et al. **Zentralbl Allg Pathol** 1986; 132(1):11–24 (Eng. Abstr.) **(Ger)**

[Ewing's sarcoma with rare localization in an adult male] Kosowski B, et al. **Patol Pol** 1986 Oct–Dec;37(4):350–6 (Eng. Abstr.) **(Pol)**

[Clonogenic capacity and proliferative activity of the cells of malignant tumors of the bones] Kolesnikova AI, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):36–40 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Function after partial pelvic resection for Ewing's sarcoma. Thomas IH, et al. **J Bone Joint Surg [Br]** 1987 Mar; 69(2):271–5

RADIOGRAPHY

Malignant haemangioendothelioma of the tibia (report of a case and review of the literature). Mohan V, et al. **Australas Radiol** 1986 May;30(2):139–41

Ewing sarcoma of the proximal phalanx of a finger. A case report. Lacey SH, et al. **J Bone Joint Surg [Am]** 1987 Jul; 69(6):931–4

Ewing sarcoma of the temporal bone: CT appearance. Carroll R, et al. **J Comput Assist Tomogr** 1987 Mar–Apr; 11(2):362–3

[Ewing's sarcoma: radiological analysis of 27 cases] Xiao GH. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):373–6 (Eng. Abstr.) **(Chi)**

[Digital angiography of bone sarcoma in the child] Delépine N, et al. **Biomed Pharmacother** 1986;40(5):175–8 (Eng. Abstr.) **(Fre)**

[Pleural involvement caused by contiguity or metastases in primary malignant bone tumors in children] Marchal AL, et al. **J Radiol** 1986 Apr;67(4):303–7 (Eng. Abstr.) **(Fre)**

[Diagnosis of Ewing sarcoma of the thoracic spine—differential diagnostic difficulties] Schaub T, et al. **Rontgenblatter** 1986 Oct;39(10):287–90 (Eng. Abstr.) **(Ger)**

[Radiographic pictures of foot localizations of Ewing's sarcoma] Albisinni U, et al. **Radiol Med (Torino)** 1987 Jun; 73(6):501–4 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Improved detection of metastatic Ewing's sarcoma with the use of bone marrow scintigraphy. Jones GR, et al. **Med Pediatr Oncol** 1987;15(2):78–81

[Role of bone scintigraphy in Ewing's sarcoma] Calderoni P, et al. **Chir Organi Mov** 1986 Apr–Jun;71(2):97–100 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Local control of Ewing's sarcoma: an analysis of 67 patients. Brown AP, et al. **Br J Radiol** 1987 Mar;60(711):261–8

Case report 391: Postradiation necrosis of bone (femur) with no evidence of tumor. Datz FL, et al. **Skeletal Radiol** 1986; 15(7):566–9

[Effective radiation therapy of two cases of primary Ewing's sarcoma of the rib] Nakanishi K, et al. **Gan No Rinsho** 1987 Jun;33(7):834–40 (Eng. Abstr.) **(Jpn)**

[Chemoradiation pathomorphosis of Ewing's tumor and reticulosarcoma] Polonskaia NIu. **Med Radiol (Mosk)** 1987 Apr;32(4):11–3 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastatic Ewing's sarcoma: remission induction and survival. Hayes FA, et al. **J Clin Oncol** 1987 Aug; 5(8):1199–204

Ewing's sarcoma metastatic to the gingiva. McGlumphy EA, et al. **J Oral Maxillofac Surg** 1987 May;45(5):444–7

The role of resection in the treatment of pulmonary metastases from Ewing's sarcoma. Lanza LA, et al. **J Thorac Cardiovasc Surg** 1987 Aug;94(2):181–7

Metastatic Ewing's sarcoma to the skull: CNS involvement excluded by MRI. Taets ven Amerongen AH, et al. **Pediatr Radiol** 1987;17(3):242–3

[A case of metastatic breast tumors due to extraskeletal Ewing's sarcoma] Imamura H, et al. **Nippon Geka Gakkai Zasshi** 1986 Oct;87(10):1359–63 (Eng. Abstr.) **(Jpn)**

[Invasion of the central nervous system in patients with Ewing's sarcoma] Bajtajić V, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):151–3 **(Scr)**

SURGERY

Emergency treatment for primary Ewing's sarcoma of the ribs. Murton MM, et al. **J Thorac Cardiovasc Surg** 1986 Oct;92(4):800–3

THERAPY

The treatment of Ewing's sarcoma. Marcove RC. **Arch Putti Chir Organi Mov** 1985;35:317–28

[Argument for the multidisciplinary treatment of Ewing sarcoma with surgery] Delépine G, et al. **Biomed Pharmacother** 1986;40(5):169–72 (19 ref.) (Eng. Abstr.) **(Fre)**

[Therapy of non-metastatic Ewing's sarcoma (pelvis excluded). Results obtained in 48 cases combining local therapy (radiation and/or surgical) and adjuvant chemotherapy with vincristine, adriamycin, dactinomycin and cyclophosphamide] Sudanese A, et al. **Minerva Med** 1987 Apr 15;78(7):473–82 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Characterization of intermediate filaments expressed by Ewing tumor cell lines. Dellagi K, et al. **Cancer Res** 1987 Feb 15;47(4):1170–3

Small-cell pediatric tumors: histology, immunohistochemistry, and electron microscopy. Schmidt D, et al. **Clin Lab Med** 1987 Mar;7(1):63–89

Extraosseous Ewing's sarcoma versus primitive rhabdomyosarcoma: diagnostic criteria and clinical correlation. Dickman PS, et al. **Hum Pathol** 1986 Sep; 17(9):881–93

SARCOMA, EXPERIMENTAL

Mast cells in regional lymph nodes responding to syngeneic and xenogeneic tumour MSVC and HeLa cell lines in BALB/c mice. Włodarski KH, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(1):1–5

ANALYSIS

Detection of an intracellular transforming protein (v-Ki-ras p21) using the flow activated cell sorter (FACS). Freedman D, et al. **In Vitro Cell Dev Biol** 1986 Oct;22(10):621–4

BLOOD

Polyamine levels in sarcoma-bearing rats in relation to growth and necrosis of the tumour cells. Kaminski K, et al. **Cancer Lett** 1987 Jan;34(1):55–9

[Changes in serum proteins in nude mice with human carcinomas and mouse sarcoma] Takahashi T, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Aug 20;21(7):1369–75 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

The effects of melphalan and misonidazole on the vasculature of a murine sarcoma. Murray JC, et al. **Br J Cancer** 1987 Mar;55(3):233–8

[Damaging action of human recombinant TNF on tumor vessels as an aspect of its anti-neoplastic action against Meth A sarcoma in mice] Nakamura H, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):91–9 (Eng. Abstr.) **(Jpn)**

[Microcirculation of tumors and adjacent tissues during combined exposure to metronidazole and hyperthermia] Amosov IS, et al. **Med Radiol (Mosk)** 1987 Jan;32(1):70–2 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Ultrastructural changes and enzyme activities for energy production in hearts concomitant with tumor-associated malnutrition. Sjöström M, et al. **J Surg Res** 1987 Mar; 42(3):304–13

DRUG THERAPY

Enhanced chemotherapeutic efficacy on carcinomatous peritonitis using a new dosage form in animal experiments. Hagiwara A, et al. **Anticancer Res** 1987 Mar–Apr; 7(2):167–70

Comparative cardiotoxicity and antitumour activity of doxorubicin (adriamycin) and 4'-deoxydoxorubicin and the relationship to in vivo disposition and metabolism in the target tissues. Cummings J, et al. **Biochem Pharmacol** 1987 May 1;36(9):1521–6

Effect of Fluosol-DA/O2 on the antitumor activity and pulmonary toxicity of bleomycin. Teicher BA, et al. **Cancer Chemother Pharmacol** 1986;18(3):213–8

In vivo antitumor activity and in vitro cytotoxic properties of bis[1,2-bis(diphenylphosphino)ethane]gold(I) chloride. Berners-Price SJ, et al. **Cancer Res** 1986 Nov; 46(11):5486–93

Cures and partial regression of murine and human tumors by recombinant human tumor necrosis factor. Creasey AA, et al. **Cancer Res** 1986 Nov;46(11):5687–90

Approaches to defining the mechanism of enhancement by Fluosol-DA 20% with carbogen of melphalan antitumor activity. Teicher BA, et al. **Cancer Res** 1987 Jan 15; 47(2):513–8

Potentiation of CCNU activity by misonidazole in metastases. Siemann DW, et al. **Clin Exp Metastasis** 1987 Jan–Mar; 5(1):57–63

Studies on the cytotoxicity of penicillamine in a rat osteogenic sarcoma. Cosolo W, et al. **Clin Exp Pharmacol Physiol** 1986 Oct;13(10):737–43

Anti-tumor effects of tumor necrosis factor in combination with chemotherapeutic agents. Regenass U, et al. **Int J Cancer** 1987 Feb 15;39(2):266–73

Antitumor effect of human recombinant interferon-gamma and -beta against human osteosarcoma transplanted into nude mice. Gomi K, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):879–88

The use of protein as a carrier of methotrexate for experimental cancer chemotherapy. II. Chemotherapy of Gardner lymphosarcoma with pea seed lectin–methotrexate derivative. Bureš L, et al. **Neoplasma** 1986;33(4):409–16

The "in vivo" effect of protein A on tumor growth.Dima S, et al. **Neoplasma** 1986;33(6):679–84

Drug and light dose dependence of photodynamic therapy: a study of tumor cell clonogenicity and histologic changes. Fingar VH, et al. **Photochem Photobiol** 1987 May; 45(5):643–50

Chemical modification of recombinant interleukin 2 by polyethylene glycol increases its potency in the murine Meth A sarcoma model. Katre NV, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1487–91

Acivicin reduces tumor growth during total parenteral nutrition (TPN). Chance WT, et al. **Surgery** 1987 Aug; 102(2):386–94

[BOF-A1 and BOF-A2, new 5-FU degradation-inhibitory agents] Fujii S. **Gan To Kagaku Ryoho** 1987 Jul; 14(7):2244–50 (Eng. Abstr.) **(Jpn)**

[The synergistic effect of human recombinant TNF in combination with various anti-cancer drugs] Yamauchi N, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2730–4 (Eng. Abstr.) **(Jpn)**

[Disordered DNA repair in tumor cells as affected by sarcolysine] Kozlova IS, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):463–5 (Eng. Abstr.) **(Rus)**

[Induced hyperglycemia as a factor of modification of sarcoma 45 sensitivity to chemotherapy] Fradkin SZ, et al. **Eksp Onkol** 1987;9(3):64–8, 77 (Eng. Abstr.) **(Rus)**

[Effect of chemotherapy on the nucleoside phosphate kinase activity in experimental tumors] Tret'iakov AV, et al. **Vopr Onkol** 1986;32(11):95–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Purification and partial amino acid sequencing of rat bone tumor (UMR106) alkaline phosphatase. Hsu HH, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):329–34

Proteolytic enzymes as new tumor markers in rats with benzopyrene sarcoma. Nagelschmidt M, et al. **Cancer Detect Prev** 1987;10(1–2):21–9

ETIOLOGY

Relative effectiveness of alpha emitters for bone sarcoma induction [letter] Wrenn ME, et al. **Health Phys** 1986 Nov; 51(5):677–82

The induction by 239Pu of myeloid leukaemia and osteosarcoma in female CBA mice. Humphreys ER, et al. **Int J Radiat Biol** 1987 Feb;51(2):331–9

FAMILIAL & GENETIC

DNA transfection affects the metastatic capacity of tumour cells. Verrelle P, et al. **Anticancer Res** 1987 Mar–Apr; 7(2):181–6

A systematic survey of repetitive sequences abundantly expressed in rat tumors. Kohnoe S, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):107–14

Rous sarcoma virus mutant dlPA105 induces different transformed phenotypes in quail embryonic fibroblasts and neuroretina cells. Poirier F, et al. **J Virol** 1987 Aug; 61(8):2530–9

Instability of v-src sequences in nonhuman primate tumors cultured in vitro. Marczynska B, et al. **Virology** 1987 Jul; 159(1):154–7

IMMUNOLOGY

Specific (EMT6) and non-specific (WEHI-164) cytolytic activity by host cells infiltrating tumour spheroids. Wilson KM, et al. **Br J Cancer** 1987 Feb;55(2):141–6

Immunoregulating activity of tumor-associated macrophages. Dougherty GJ, et al. **Cancer Immunol Immunother** 1986;23(1):67–72

Defective T helper activity in the spleen of BALB/c mice immune to a syngeneic fibrosarcoma. Grazioli L, et al. **Cancer Immunol Immunother** 1987;24(3):237–43

Depression of cell-mediated immunity by tumour cell products: induction of resistance by immunotherapeutically active extracts of bovine ocular squamous cell carcinoma. Nelson M, et al. **Cancer Immunol Immunother** 1987; 24(3):231–6

The Lyt phenotype of the T cells responsible for in vivo tumor rejection in syngeneic mice. Ozawa H, et al. **Cancer Immunol Immunother** 1986;23(1):73–7

Expression of a shared tumor-specific antigen by two chemically induced BALB/c sarcomas. Palladino MA Jr, et al. **Cancer Res** 1987 Oct 1;47(19):5074–9

The autoimmune nature of cancer. Prehn RT, et al. **Cancer Res** 1987 Feb 15;47(4):927–32 (64 ref.)

Cell surface antigens of chemically induced sarcomas of murine origin. DeLeo AB, et al. **Cancer Surv** 1985; 4(1):21–34

Shifts in macrophage (M phi) surface phenotypes during tumor growth: association of Mac-2+ and Mac-3+ M phi with immunosuppressive activity. Garner RE, et al. **Cell Immunol** 1987 Sep;108(2):255–68

Expansion of tumor-specific cytolytic T lymphocytes using in vitro restimulation with tumor-specific transplantation

antigen. Naito K, et al. **Cell Immunol** 1987 Sep; 108(2):483–94

Functional activity in vivo of effector T cell populations. III. Protection against Moloney murine sarcoma virus (M-MSV)-induced tumors in T cell deficient mice by the adoptive transfer of a M-MSV-specific cytolytic T lymphocyte clone. Cerundolo V, et al. **Eur J Immunol** 1987 Feb;17(2):173–8

T-cell immunity to murine Moloney sarcoma virus-induced tumours: L3T4+ T cells are necessary for resistance to primary sarcoma growth, but Lyt-2+ T cells are required for resistance to secondary tumour cell challenge. Bateman WJ, et al. **Immunology** 1987 Jul;61(3):317–20

Involvement of tumour necrosis factor in monocyte-mediated rapid killing of actinomycin D-pretreated WEHI 164 sarcoma cells. Bersani L, et al. **Immunology** 1986 Oct;59(2):323–5

Ia antigen expression and IL-1 activity in murine tumour-associated macrophages. Peri G, et al. **Immunology** 1986 Dec;59(4):527–33

Aberrant MHC antigens in a sarcoma virus-induced mouse tumour. Schmidt W, et al. **J Immunogenet** 1986 Apr–Jun; 13(2–3):123–32

Cellular interactions and the role of interleukin 2 in the expression and induction of immunity against a syngeneic murine sarcoma. Chou T, et al. **J Immunol** 1987 Sep 15; 139(6):2103–9

The immune status of avian sarcoma virus-infected chickens as a determinant of sarcoma growth pattern and viral antigen expression. Halpern MS, et al. **J Immunol** 1987 May 1;138(9):3014–8

Generation of tumor-specific transplantation antigens by UV radiation can occur independently of neoplastic transformation. Hostetler LW, et al. **J Immunol** 1986 Oct 15;137(8):2721–5

A syngeneic monoclonal antibody to murine Meth-A sarcoma (HepSS-1) recognizes heparan sulfate glycosaminoglycan (HS-GAG): cell density and transformation dependent alteration in cell surface HS-GAG defined by HepSS-1. Kure S, et al. **J Immunol** 1986 Dec 15;137(12):3900–8

Monoclonal antibodies against murine IFN-gamma abrogate in vivo tumor immunity against RSV-induced murine sarcomas. Prat M, et al. **J Immunol** 1987 Jun 15; 138(12):4530–3

Expression of class II-MHC antigens by tumor-associated and peritoneal macrophages: systemic induction during tumor growth and tumor rejection. Evans R, et al. **J Leukocyte Biol** 1986 Nov;40(5):499–509

Variations in macrophage antigen phenotype: a correlation between Ia antigen reduction and immune dysfunction during tumor growth. Garner RE, et al. **J Leukocyte Biol** 1986 Nov;40(5):561–74

Changes in splenic macrophage Mac antigen expression during tumor growth: a kinetic study of accessory cell function and antigen-defined phenotypes. Garner RE, et al. **J Leukocyte Biol** 1986 Dec;40(6):709–24

Role of pulmonary macrophages in resistance to experimental metastasis. Jackson RA, et al. **J Leukocyte Biol** 1986 Nov; 40(5):575–87

5'-structural analysis of genes encoding polymorphic antigens of chemically induced tumors. Srivastava PK, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3807–11

Suppressor T cells in chickens bearing chemically induced tumors. Edelman AS, et al. **Prog Clin Biol Res** 1987; 238:237–52

[Extrusions of cell columns of leukocytes in rats with tumors in the migration test] Becker HD, et al. **Z Med Lab Diagn** 1986;27(8):430–4 (Eng. Abstr.) **(Ger)**

[Immunobiological studies of interferon-alpha A/D in comparison with a streptococcal preparation, OK-432] Mizushima Y, et al. **Gan To Kagaku Ryoho** 1987 Sep; 14(9):2710–5 (Eng. Abstr.) **(Jpn)**

[Changes in the antitumor resistance of hamsters after experimental removal of non-fixed macrophages] Vardosanidze ESh, et al. **Biull Eksp Biol Med** 1987 Apr; 103(4):460–2 (Eng. Abstr.) **(Rus)**

[Cytotoxic factors of neutrophils in rats with 7,12-dimethylbenz[a]anthracene-induced sarcoma] Cherdyntseva NV. **Eksp Onkol** 1987;9(1):37–40 (Eng. Abstr.) **(Rus)**

METABOLISM

Deoxyribonuclease I sensitivity of DNA replicated in permeable mouse sarcoma cells. Seki S, et al. **Acta Med Okayama** 1986 Aug;40(4):183–8

Effect of calcium channel blocking drugs on tumor cell oxygen utilization. Biaglow JE, et al. **Adv Exp Med Biol** 1986;200:583–9

Causal relationship between a tumour growth and the changes in histamine metabolism in tissues of sarcoma-bearing rat. Kierska D, et al. **Agents Actions** 1987 Apr;20(3–4):314–6

Depletion of tumour versus normal tissue glutathione by buthionine sulfoximine. Lee FY, et al. **Br J Cancer** 1987 Jul;56(1):33–8

Characterization of radiation resistant hypoxic cell subpopulations in KHT sarcomas. (I). Centrifugal elutriation. Siemann DW, et al. **Br J Cancer** 1987 Jan; 55(1):33–6

Toxicity of 5-fluorouracil for aerobic and hypoxic cells in two murine tumours. Tannock IF. **Cancer Chemother Pharmacol** 1987;19(1):53–6

Comparative distribution of free doxorubicin and poly-L-aspartic acid linked doxorubicin in MS-2 sarcoma bearing mice. Mazzoni A, et al. **Cancer Drug Deliv** 1986 Summer;3(3):163–72

Autoradiographic imaging of rat sarcoma in different anatomical sites using 2-[14C]deoxyglucose. Kern KA, et al. **Cancer Res** 1987 Sep 1;47(17):4706–8

Uptake, cytofluorescence, and cytotoxicity of oxazolopyridocarbazoles (amino acid-ellipticine conjugates) in murine sarcoma cells. Larsen AK, et al. **Cancer Res** 1986 Oct;46(10):5236–40

Metabolism of 2-[18F]fluoro-2-deoxyglucose in tumor-bearing rats: chromatographic and enzymatic studies. Suolinna EM, et al. **Int J Rad Appl Instrum [B]** 1986;13(5):577–81

Down-regulation of interleukin 1 production by macrophages of sarcoma-bearing mice. Moldawer LL, et al. **J Immunol** 1987 Jun 15;138(12):4270–4

Evaluation of serum proteins in relation to body nitrogen in tumor-bearing rats. Enrione EB, et al. **J Surg Res** 1987 Aug;43(2):149–57

Comparison of hepatic protein synthesis in vivo versus in vitro in the tumor-bearing rat. Warren RS, et al. **J Surg Res** 1987 Jan;42(1):43–50

Role of insulin in development of cancer cachexia in nongrowing sarcoma-bearing mice: special reference to muscle wasting. Svaninger G, et al. **JNCI** 1987 May; 78(5):943–50

Amino acid requirements of a rat sarcoma as determined by a stem cell assay. Miller TJ, et al. **JPEN J Parenter Enteral Nutr** 1987 May–Jun;11(3):223–8

31P NMR spectroscopy of an experimentally induced intracerebral tumor in mice. Ross BD, et al. **Magn Reson Med** 1987 Apr;4(4):323–32

Effects of tumor bearing and removal on blood levels of lipids, lipolytic activity, and glycerol and on carcass weight in the rat. Devereux DF, et al. **Surgery** 1987 Feb; 101(2):228–33

[General mechanism of intratumor accumulation of macromolecules: advantage of macromolecular therapeutics] Matsumura Y, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):821–9 (Eng. Abstr.) **(Jpn)**

[Molecular electron carriers in mouse tissues during development of sarcomas induced by 3-methylcholanthrene and Moloney virus] Sidorik EP, et al. **Eksp Onkol** 1987;9(1):14–8 (Eng. Abstr.) **(Rus)**

[Study of promutagen biotransformation in the Ames test. IV. The effect of transplanted tumors on the biotransformation of various antineoplastic agents] Oblapenko NG, et al. **Genetika** 1986 Sep;22(9):2265–71 (Eng. Abstr.) **(Rus)**

[Interaction of hormone-receptor complexes from normal and tumorous tissues with DNA and their effect on the RNA polymerase activity of isolated nuclei] Adylova AT, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):69–72 (Eng. Abstr.) **(Rus)**

[Localization of metronidazole in the organs of tumor-bearing animals using electron paramagnetic resonance] Zhumabaeva TT, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):671–4 (Eng. Abstr.) **(Rus)**

[Interaction between receptors and biologically active substances in tumor cells] Solntseva TI, et al. **Vestn Akad Med Nauk SSSR** 1986;(8):23–31 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Cancer incidence and lifespan vs. alpha-particle dose in beagles. Mays CW, et al. **Health Phys** 1987 May; 52(5):617–24

PATHOLOGY

Effect of 5-fluorouracil on the cell growth and cell cycle kinetics of a mouse ascites tumor growing in vivo. Lewin F, et al. **Acta Oncol** 1987;26(2):125–31

The effects of cyclophosphamide and irradiation singly and in combination upon Sal growth in A/J mice. Anderson RE, et al. **Am J Pathol** 1987 May;127(2):373–9

Heterotransplantation of canine sarcoma cells (BLU284) in athymic (nude) mice. Aaronson LM, et al. **Am J Vet Res** 1987 May;48(5):816–21

The provenance of cells in sarcomas induced in chimaeric mice. Ansell JD, et al. **Br J Cancer** 1986 Nov;54(5):853–5

Kinetic studies on a murine sarcoma and an analysis of apoptosis. Sarraf CE, et al. **Br J Cancer** 1986 Dec; 54(6):989–98

Tumour cell trapping in rat mesenteric lymph nodes. Cobb RA, et al. **Br J Exp Pathol** 1987 Jun;68(3):461–74

The different effects of recombinant human tumor necrosis factor on rat fibrosarcoma sublines. Ishihara J, et al. **Cancer Immunol Immunother** 1987;24(3):185–9

Macrophage content of murine sarcomas and carcinomas: associations with tumor growth parameters and tumor radiocurability. Milas L, et al. **Cancer Res** 1987 Feb 15; 47(4):1069–75

Selection and adaptation for rapid growth in culture of cells from delayed sarcomas in nude mice. Rubin H, et al. **Cancer Res** 1987 Jan 15;47(2):486–92

Stimulation of tumor growth in adult rats in vivo during acute streptozotocin-induced diabetes. Sauer LA, et al. **Cancer Res** 1987 Apr 1;47(7):1756–61

Effect of phorbol myristate acetate on cultured tumor cells derived from different stages of avian sarcoma virus (ASV)-induced neoplastic growth. Skalski V, et al. **Exp Biol** 1987;46(4):223–9

Experimentally induced metastases of malignant fibrous histiocytomas xenotransplanted into nude mice from an established sarcoma cell line (RFS). Katenkamp D, et al. **Exp Pathol** 1987;31(2):83–8

In vitro establishment of a murine Moloney sarcoma cell line. I. Its morphology and transplantation. Włodarski K, et al. **Folia Biol (Krakow)** 1986;34(2):227–34

Opposing effects of the interferon inducer, avridine: enhancement or suppression of tumor growth depending on treatment regimen. Talcott PA, et al. **Int J Immunopharmacol** 1986;8(6):553–9

Inhibition of liver metastasis in mice by blocking hepatocyte lectins with arabinogalactan infusions and D-galactose. Beuth J, et al. **J Cancer Res Clin Oncol** 1987;113(1):51–5

Defective production of reactive oxygen intermediates by tumor-associated macrophages exposed to phorbol ester. Ghezzi P, et al. **J Leukocyte Biol** 1987 Jul;42(1):84–90

Tumor progression in nude mice and its representation in cell culture. Rubin H, et al. **JNCI** 1986 Nov;77(5):1125–35

Prevention of experimental liver metastases by arabinogalactan. Uhlenbruck G, et al. **Naturwissenschaften** 1986 Oct;73(10):626–7

Radiosensitizing and cytocidal effects of misonidazole: evidence for separate modes of action. Hofer KG, et al. **Radiat Res** 1987 Jul;111(1):130–42

Structural changes induced in capillary endothelial cells by growth factors: altered distribution of cytoskeletal elements and organelles in cells spreading in the presence of tumor conditioned medium and hypothalamus derived growth factor. Dethlefsen SM, et al. **Tissue Cell** 1986;18(6):827–37

The nature of host tissue destruction in tumor invasion. An experimental investigation on carcinoma and sarcoma xenotransplants. Gabbert H, et al. **Virchows Arch [B]** 1987; 52(6):513–27

[Induction of sarcomas by the tissue-binding substance Histoacryl-blau in the rat] Reiter A. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(1):55–60 (Eng. Abstr.) **(Ger)**

[Role of growth factors in the autonomous growth of tumor cells] Nishikawa K, et al. **Gan To Kagaku Ryoho** 1987 Jun; 14(6 Pt 2):1975–9 (Eng. Abstr.) **(Jpn)**

[Synergistic effects of human recombinant TNF and hyperthermia on in vitro cytotoxicity and artificial metastases] Umeno H, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 1):1286–91 (Eng. Abstr.) **(Jpn)**

[Effect of selected antibacterial antibiotics on the course of experimental sarcoma L-1 in mice] Roszkowski K. **Pneumonol Pol** 1986 Jun;54(6):236–44 (Eng. Abstr.) **(Pol)**

[Relation of the signs of malignant degeneration and tumor cell reaction to a growth-stimulating factor] Dugina VB, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):713–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the growth rate of the transplantable sarcoma 45] Vepkhvadze RIa, et al. **Eksp Onkol** 1986; 8(4):72–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Heterotopically induced bone does not develop functional periosteal membrane. Włodarski KH, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):583–93

Tumor growth in rats: conditioned suppression of food intake and preference. Bernstein IL, et al. **Behav Neurosci** 1985 Oct;99(5):818–30

Wound healing in sarcoma-bearing rats: tumor effects on cutaneous and deep wounds. Lawrence WT, et al. **J Surg Oncol** 1987 May;35(1):7–12

Relation between high-frequency electrical impedance and malignity of two L cell sublines. Setka J, et al. **Neoplasma** 1986;33(5):609–13

PREVENTION & CONTROL

Temporary inhibition of Moloney-murine sarcoma virus (M-MSV) induced-tumours by adoptive transfer of ricin-treated T-lymphocytes. Cerundolo V, et al. **Br J Cancer** 1987 Apr;55(4):413–9

Immunity to a syngeneic sarcoma induced in rats by dendritic lymph cells exposed to the tumour either in vivo or in vitro. Gyure LA, et al. **Br J Cancer** 1987 Jan;55(1):17–20

Vaccination with syngeneic monoclonal anti-idiotype protects against a tumour challenge. Dunn PL, et al. **Immunology** 1987 Feb;60(2):181–6

Muramyl tripeptide: an effective immunotherapy in the surgical setting for pediatric abdominal neoplasms. Jarowenko DG, et al. **J Pediatr Surg** 1987 Jun; 22(6):497–500

Preventive effect of vitamin C (L-ascorbic acid) on methylcholanthrene-induced soft tissue sarcomas in mice. Abdel-Galil AM. **Oncology** 1986;43(5):335–7

RADIONUCLIDE IMAGING

Effects of concanavalin A on 67Ga binding by tumor cells. Anghileri LJ, et al. **Nuklearmedizin** 1987 Apr;26(2):105–7

RADIOTHERAPY

The influence of hemoglobin level on radiobiological hypoxia in tumors. Hirst DG, et al. **Adv Exp Med Biol** 1986; 200:603–8

The effect of mixed fractionation with X rays and neutrons on tumour growth delay and skin reactions in mice. Carl UM, et al. **Br J Radiol** 1987 Jun;60(714):583–8

The influence of levamisole and hyperthermia on the incidence of metastases from an X-irradiated tumor. Baker D, et al. **Cancer Invest** 1986;4(4):287–92

Tumor radiosensitization through reductions in hemoglobin affinity. Siemann DW, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1295–7

[Histomorphologic changes in Jensen sarcoma following radiotherapy, titanocene dichloride treatment and combination therapy] Uhl J, et al.
Radiobiol Radiother (Berl) 1987;28(1):51–7 (Eng. Abstr.) (Ger)

[Reoxygenation after a single dose of 15 Gy in the EMT6/KU sarcoma] Shibamoto Y, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1986 Nov 25; 46(11):1319–23 (Eng. Abstr.) (Jpn)

[Formation of peroxide-type radicals during low-temperature cell and tissue irradiation] Bunina EF, et al. **Izv Akad Nauk SSSR [Biol]** 1987 May-Jun;(3):465–8 (Eng. Abstr.) (Rus)

[Clonal analysis as a method of prognostication of tumor response to irradiation] Ismailov BI. **Med Radiol (Mosk)** 1986 Dec;31(12):41–7 (Rus)

[Reduced effect of ionizing radiation during uneven heating of tissues by UHF-field] Lopatin VF.
Med Radiol (Mosk) 1986 Oct;31(10):52–5 (Eng. Abstr.) (Rus)

[Effect of metronidazole and local irradiation of the tumor on paramagnetic metal complexes of the liver and tumor tissues] Zhumabaeva TT, et al. **Radiobiologiia** 1987 May-Jun;27(3):384–9 (Eng. Abstr.) (Rus)

SECONDARY

Thrombospondin, a potentiator of tumor cell metastasis. Tuszynski GP, et al. **Cancer Res** 1987 Aug 1;47(15):4130–3

Inhibition of experimental and spontaneous pulmonary metastasis of murine RCT (+) sarcoma by beta-cyclodextrin-benzaldehyde. Masuyama K, et al.
Jpn J Cancer Res 1987 Jul;78(7):705–11

[Experimental study on prophylactic whole lung irradiation for metastases of murine RCT sarcoma with special reference to effectiveness and side effects] Matsui H.
Nippon Gan Chiryo Gakkai Shi 1986 May 20;21(4):786–96 (Eng. Abstr.) (Jpn)

SURGERY

Preoperative insulin reverses cachexia and decreases mortality in tumor-bearing rats. Moley JF, et al.
J Surg Res 1987 Jul;43(1):21–8

THERAPY

Continuous intrasplenic interleukin-2 combined with antigen-specific chemoimmunotherapy. Naito K, et al.
Arch Surg 1986 Dec;121(12):1415–20

A water-soluble aminated beta 1-3D-glucan derivative causes regression of solid tumors in mice. Seljelid R.
Biosci Rep 1986 Sep;6(9):845–51

The anti-tumour efficacy of human recombinant interleukin 2. Correlation between sensitivity of tumours to the cytolytic effect of LAK cells in vitro and their susceptibility to interleukin 2 immunotherapy in vivo. Bubeník J, et al. **Cancer Immunol Immunother** 1987; 24(3):269–71

Recruitment of inflammatory cells to a tumor deposit potentiates the immunotherapeutic effects of interleukin-2. Steller EP, et al. **Cancer Immunol Immunother** 1986; 23(3):165–8

Oncostatic and immunomodulatory effects of a glycoprotein fraction from water extract of abalone, Haliotis discus hannai. Uchida H, et al. **Cancer Immunol Immunother** 1987; 24(3):207–12

Intrasplenic administration of interleukin-2 to potentiate specific chemoimmunotherapy in tumor-bearing mice. Nomi S, et al. **Cancer Res** 1986 Nov;46(11):5606–10

Effect of corticosteroid on the antitumor activity of lymphokine-activated killer cells and interleukin 2 in mice. Papa MZ, et al. **Cancer Res** 1986 Nov;46(11):5618–23

Effect of immunotherapy with allogeneic lymphokine-activated killer cells and recombinant interleukin 2 on established pulmonary and hepatic metastases in mice. Shiloni E, et al. **Cancer Res** 1986 Nov; 46(11):5633–40

Immunotherapy of murine sarcomas with interleukin 2. I. Local administration of human recombinant IL-2 preparations. Bubeník J, et al. **Folia Biol (Praha)** 1986; 32(6):384–91

Immunotherapy of murine sarcomas with interleukin 2. II. Activation of killer cells by human recombinant IL-2. Indrová M, et al. **Folia Biol (Praha)** 1986;32(6):392–8

Subtherapeutic numbers of tumour-sensitized, L3T4+, Ly 1+2- T cells are needed for endotoxin to cause regression of an established immunogenic tumour. Digiacomo A, et al. **Immunology** 1987 Mar;60(3):367–73

Enhancement of misonidazole chemopotentiation by mild hyperthermia (41 degrees C) in vitro and selective enhancement in vivo. Mulcahy RT, et al.
Int J Radiat Biol 1987 Jul;52(1):57–65

Combinations of CCNU, MISO, and fractionated radiotherapy. Siemann DW, et al.
Int J Radiat Oncol Biol Phys 1986 Aug;12(8):1379–82

Antitumor activity of recombinant human tumor necrosis factor in combination with hyperthermia, chemotherapy, or immunotherapy. Haranaka K, et al.
J Biol Response Mod 1987 Aug;6(4):379–91

Successful immunotherapy of mouse melanoma and sarcoma with recombinant interleukin-2 and cyclophosphamide. Silagi S, et al. **J Biol Response Mod** 1986 Oct;5(5):411–22

Identification of cellular mechanisms operational in vivo during the regression of established pulmonary metastases by the systemic administration of high-dose recombinant interleukin 2. Mulé JJ, et al. **J Immunol** 1987 Jul 1; 139(1):285–94

Immunotherapy of murine sarcomas with auto-anti-idiotypic monoclonal antibodies which bind to tumor-specific T cells. Nelson KA, et al. **J Immunol** 1987 Sep 15; 139(6):2110–7

Characterization of the antitumor activities of human tumor necrosis factor-alpha and the comparison with other cytokines: induction of tumor-specific immunity. Palladino MA Jr, et al. **J Immunol** 1987 Jun 1;138(11):4023–32

Generation from tumor-bearing mice of lymphocytes with in vivo therapeutic efficacy. Shu SY, et al. **J Immunol** 1987 Jul 1;139(1):295–304

Monoclonal IgM antibodies that inhibit primary Moloney murine sarcoma growth. Lamon EW, et al. **JNCI** 1987 Mar; 78(3):547–56

Cytotoxic and antitumor activity of a soluble fraction of Streptococcus pyogenes against S180 sarcoma cells. Higuchi Y. **Jpn J Med Sci Biol** 1986 Aug;39(4):169–75

Hyperthermia inhibition of tumor cells growth in the presence of ruthenium red. Anghileri LJ, et al.
Neoplasma 1986;33(5):603–8

Chemo- and immunotherapy of an adenovirus-induced transplantable sarcoma in hamsters. Todorov DK, et al.
Neoplasma 1987;34(3):287–94

Dielectric properties of Co-gamma-irradiated and microwave-heated rat tumour and skin measured in vivo between 0.2 and 2.4 GHz. Zywietz F, et al.
Phys Med Biol 1986 Sep;31(9):1021–9

Lymphokine-activated killer (LAK) cells can be focused at sites of tumor growth by products of macrophage activation. Migliori RJ, et al. **Surgery** 1987 Aug; 102(2):155–62

[Increased anti-tumor activity of chemotherapeutic agents combined with direct current against murine transplanted tumors] Ito H, et al. **Gan To Kagaku Ryoho** 1987 Jun;14(6 Pt 1):1854–9 (Eng. Abstr.) (Jpn)

[Evaluation of indomethacin in non-specific immunotherapy] Ohshika Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Aug 20;21(7):1433–9 (Eng. Abstr.) (Jpn)

[The anti-tumor activity of direct current—an effective adjuvant therapy to irradiation] Nishiguchi I.
Nippon Igaku Hoshasen Gakkai Zasshi 1987 Apr 25; 47(4):621–8 (Eng. Abstr.) (Jpn)

[Temperature kinetics in sarcoma 45 during ultrasonic hyperthermia] Ostrerov SB. **Eksp Onkol** 1986;8(4):64–5 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Structure and affinity for antithrombin of heparan sulfate chains derived from basement membrane proteoglycans. Pejler G, et al. **J Biol Chem** 1987 Apr 15;262(11):5036–43

SARCOMA, GERMINOBLASTIC see **LYMPHOMA**

SARCOMA, IMMUNOBLASTIC see **LYMPHOMA**

SARCOMA, JENSEN see **SARCOMA, EXPERIMENTAL**

SARCOMA, KAPOSI'S

Kaposi's sarcoma in a Sudanese child. A/Wahab MM.
Ann Trop Paediatr 1986 Dec;6(4):287–8

Kaposi's misnomers [letter] Trimble GX.
Can Med Assoc J 1987 Jan 1;136(1):15–6

The incidence of second malignancies in subsets of Kaposi's sarcoma. Piette WW. **J Am Acad Dermatol** 1987 Apr; 16(4):855–61

[Kaposi's sarcoma. 2 case reports of the classic type] Weberová D, et al. **Cas Lek Cesk** 1987 May 22; 126(21):662–4 (Eng. Abstr.) (Cze)

[Kaposi's sarcoma—pathology, classification and etiology] Enjoji M, et al. **Nippon Rinsho** 1987 Mar;45(3):646–53 (21 ref.) (Jpn)

ANALYSIS

Eosinophilic globules in Kaposi's sarcoma. A histochemical, immunohistochemical, and ultrastructural study. Senba M, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1327–33

BLOOD

Interferon inactivator(s) in patients with AIDS and AIDS-unrelated Kaposi's sarcoma. Ikossi-O'Connor MG, et al. **Am J Med** 1986 Nov;81(5):783–5

BLOOD SUPPLY

Clinically uninvolved skin in AIDS: evidence of atypical dermal vessels similar to early lesions observed in Kaposi's sarcoma. Ultrastructural study in four patients. De Dobbeleer G, et al. **J Cutan Pathol** 1987 Jun;14(3):154–7

CHEMICALLY INDUCED

Kaposi's sarcoma in rheumatoid arthritis. Schottstaedt MW, et al. **Am J Med** 1987 May;82(5):1021–6

Steroid-induced Kaposi's sarcoma in a patient with pre-AIDS. Schulhafer EP, et al. **Am J Med** 1987 Feb; 82(2):313–7

Kaposi's sarcoma following corticosteroid treatment for temporal arteritis—a case report. Di Giacomo V, et al. **Angiology** 1987 Jan;38(1 Pt 1):56–61

Kaposi's sarcoma in a renal transplant patient treated with cyclosporine A. Messina M, et al. **Nephron** 1987;45(2):154–5

CLASSIFICATION

Kaposi's sarcoma in an elderly patient [letter] Tomasko MA, et al. **Ann Intern Med** 1987 Feb;106(2):334–5

Clinical variants and staging of Kaposi's sarcoma. Mitsuyasu RT. **Semin Oncol** 1987 Jun;14(2 Suppl 3):13–8

COMPLICATIONS

Primary gastrointestinal Kaposi's sarcoma in a patient with acquired immune deficiency syndrome. Lustbader I, et al. **Am J Gastroenterol** 1987 Sep;82(9):894–5

Kaposi's sarcoma occurring in association with ulcerative colitis. Meltzer SJ, et al. **Am J Gastroenterol** 1987 Apr; 82(4):378–81

Protein-losing enteropathy in acquired immunodeficiency syndrome due to intestinal Kaposi's sarcoma. Laine L, et al. **Arch Intern Med** 1987 Jun;147(6):1174–5

Pulmonary manifestations of Kaposi's sarcoma. Garay SM, et al. **Chest** 1987 Jan;91(1):39–43

Kaposi's sarcoma of the conjunctiva and CMV-retinitis in AIDS. Visser OH, et al. **Doc Ophthalmol** 1986 Dec 30; 64(1):77–85

Acquired ichthyosis in a patient with acquired immunodeficiency syndrome and Kaposi's sarcoma [letter] Young L, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):395–6

Perforation of the terminal ileum with cytomegalovirus vasculitis and Kaposi's sarcoma in a patient with acquired immunodeficiency syndrome. Burke G, et al. **Surgery** 1987 Sep;102(3):540–5

[AIDS and Kaposi's sarcoma] Jørgensen J, et al.
Ugeskr Laeger 1987 Feb 9;149(7):441–3 (Eng. Abstr.) (Dan)

[Neuroretinitis leading to blindness in a patient with Kaposi's sarcoma] Nikoskelainen E, et al. **Duodecim** 1986; 102(23–24):1772–80 (Fin)

[Kaposi's sarcoma in a child with acute appendicitis] Litovka VK, et al. **Klin Khir** 1987;(5):53 (Rus)

[Kaposi's sarcoma with massive intestinal hemorrhage in a drug addict with acquired immunodeficiency syndrome] Vargas V, et al. **Med Clin (Barc)** 1987 Apr 26;88(16):638–40 (Eng. Abstr.) (Spa)

[Kaposi's sarcoma as a second neoplasm in thymoma (letter)] Alcoba Leza M, et al. **Rev Clin Esp** 1987 May;180(9):520–1 (Spa)

DIAGNOSIS

Extensive hemangiomatosis of the extremities with the same histopathological pattern as the early lesion of Kaposi's sarcoma. Brehmer-Andersson E, et al.
Acta Derm Venereol (Stockh) 1986;66(5):449–51

Primary Kaposi's sarcoma of the ileum presenting as massive rectal bleeding [letter] Neff R, et al.
Am J Gastroenterol 1987 Mar;82(3):276–7

Diagnosis of pulmonary Kaposi's sarcoma with fiberoptic bronchoscopy and endobronchial biopsy. A report of five cases. Hamm PG, et al. **Cancer** 1987 Feb 15;59(4):807–10

Bronchoscopic and radiologic features of Kaposi's sarcoma involving the respiratory system. Zibrak JD, et al.
Chest 1986 Oct;90(4):476–9

Basal cell cancer and classic Kaposi's sarcoma in a locally immunocompromised patient. Ruocco V, et al.
Int J Dermatol 1986 Nov;25(9):594–6

Kaposi's sarcoma of the lower extremity. A case report. Shilling GA, et al. **J Am Podiatr Med Assoc** 1987 Feb; 77(2):89–92

Pseudo-Kaposi sarcoma with a possible relationship to obesity. Hatakenaka K, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):477–9

Indolent lymphadenopathic Kaposi's sarcoma. Schwartz RA, et al. **J Surg Oncol** 1987 Apr;34(4):243–7

Pseudo-Kaposi sarcoma [letter] Boyle J, et al. **Lancet** 1986 Oct 18;2(8512):921

The value of thermography and lymphography in the diagnosis and follow-up of Kaposi's disease. Lauriola C, et al. **Rays** 1985 May-Aug;10(2):85–90

Kaposi's sarcoma appearing as a rectal ulcer. Endean ED, et al. **Surgery** 1987 Jun;101(6):767–9

Fibreoptic bronchoscopy in diagnosis of bronchopulmonary Kaposi's sarcoma. Hanson PJ, et al. **Thorax** 1987 Apr; 42(4):269–71

Kaposi sarcoma in the acquired immune deficiency syndrome (AIDS), presenting as lymphogranuloma venereum (LGV)

in a promiscuous trinidadian male. Aghadiuno PU, et al. **Trop Geogr Med** 1987 Jan;39(1):88–91

[Kaposi's gastric angiosarcoma in an African woman (letter)] Pichard E, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Oct;22(5):287 **(Fre)**

[Stewart–Bluefarb syndrome (kaposiform arteriovenous fistula with bone changes)] Ueki H, et al. **Hautarzt** 1986 Dec;37(12):673–5 (Eng. Abstr.) **(Ger)**

[Kaposi's sarcoma in AIDS patients] Rüdlinger R, et al. **Schweiz Rundsch Med Prax** 1986 Oct 21;75(43):1277–83 (32 ref.) (Eng. Abstr.) **(Ger)**

[Clinical aspects and treatment of Kaposi sarcoma in acquired immunodeficiency syndrome (AIDS)] Braun–Falco O, et al. **Verh Dtsch Ges Inn Med** 1986;92:325–30 **(Ger)**

[Once more on Kaposi's angioreticulosis] Olovianishnikov OV. **Vestn Dermatol Venerol** 1987;(3):64–5 **(Rus)**

[Atypical manifestations of Kaposi's sarcoma] Tynterov AI, et al. **Vestn Dermatol Venerol** 1986;(10):66–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Combination chemotherapy of disseminated Kaposi's sarcoma in patients with the acquired immune deficiency syndrome. Gelmann EP, et al. **Am J Med** 1987 Mar; 82(3):456–62

Phase II study of oral idarubicin in patients with AIDS–associated Kaposi's sarcoma. Chachoua A, et al. **Cancer Treat Rep** 1987 Jul–Aug;71(7–8):775–6

The role of chemotherapy for epidemic Kaposi's sarcoma. Volberding PA. **Semin Oncol** 1987 Jun;14(2 Suppl 3):23–6

[Monotherapy of endemic Kaposi sarcoma with long–term vincristine infusion] Haubenstock A, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):239–42 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Cancer in a group at risk of acquired immunodeficiency syndrome (AIDS) through 1984. Biggar RJ, et al. **Am J Epidemiol** 1987 Oct;126(4):578–86

Initial manifestation of acquired immunodeficiency syndrome in the head and neck region. Helsper J, et al. **Am J Surg** 1986 Oct;152(4):403–6

An epidemic tumour. Henderson RG, et al. **Br J Radiol** 1987 May;60(713):511–2

ABC of AIDS. Tumours. Smith N, et al. **Br Med J [Clin Res Ed]** 1987 May 16;294(6582):1274–7

Pseudo–Kaposi's sarcoma in a drug addict. Fimiani M, et al. **Int J Dermatol** 1986 Dec;25(10):651–2

Kaposi's sarcoma [letter] Murugan S. **J Indian Med Assoc** 1986 Oct;84(10):321

Lack of association of cytomegalovirus with endemic African Kaposi's sarcoma. Ambinder RF, et al. **J Infect Dis** 1987 Jul;156(1):193–7

Viral cause of Kaposi's sarcoma? [letter] Mortimer PP. **Lancet** 1987 Jan 31;1(8527):280–1

Kaposi's sarcoma: a trifactorial model. Dictor MR. **Med Hypotheses** 1987 Apr;22(4):429–41

Is cytomegalovirus a cofactor in the pathogenesis of AIDS and Kaposi's sarcoma? Drew WL. **Mt Sinai J Med (NY)** 1986 Dec;53(8):622–6

Pseudo–Kaposi's sarcoma as a complication of Cimino–Brescia arteriovenous fistulas in hemodialysis patients. Bogaert AM, et al. **Nephron** 1987;46(2):170–3

Neoplasms in AIDS: the multidisciplinary approach to treatment. **Semin Oncol** 1987 Jun;14(2 Suppl 3):1–62

Changing patterns of Kaposi's sarcoma in N.E. Zaire. Coker R, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):965–6

Cell–mediated lympholysis in Kaposi's sarcoma after renal allograft. Report of two cases. Rodríguez SG, et al. **Transplantation** 1986 Dec;42(6):697–9

A case of classical Kaposi's sarcoma in B–cell chronic lymphocytic leukemia (B–CLL). Contu L, et al. **Tumori** 1986 Aug 31;72(4):365–74

[Kaposi's disease in AIDS: 31 cases] Janier M, et al. **Ann Dermatol Venereol** 1987;114(2):185–202 (Eng. Abstr.) **(Fre)**

[Kaposi's sarcoma of the eyelid as a manifestation of AIDS] Haye C, et al. **Bull Soc Ophtalmol Fr** 1987 Feb;87(2):233–6 (Eng. Abstr.) **(Fre)**

[Kaposi's sarcoma and malignant lymphoma in AIDS] Okamoto S. **Nippon Rinsho** 1986 Oct;44(10):2193–7 **(Jpn)**

FAMILIAL & GENETIC

Presence of chromosomal abnormalities and lack of AIDS retrovirus DNA sequences in AIDS–associated Kaposi's sarcoma. Delli Bovi P, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6333–8

An oncogene isolated by transfection of Kaposi's sarcoma DNA encodes a growth factor that is a member of the FGF family. Delli Bovi P, et al. **Cell** 1987 Aug 28; 50(5):729–37

Isolation of a rearranged human transforming gene following transfection of Kaposi sarcoma DNA. Bovi PD, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5660–4

[HLA typing in classical and African Kaposi's disease] Lemarchand–Venencie F, et al. **Pathol Biol (Paris)** 1986 Jun;34(6):761–4 (Eng. Abstr.) **(Fre)**

HISTORY

Did Moriz Kaposi describe AIDS in 1872? Breimer LH. **Clio Med** 1984;19(1–2):156–8

Health science on stamps. Loevy HT, et al. **J Am Dent Assoc** 1987 Aug;115(2):301

A history of Kaposi's sarcoma. Shiels RA. **J R Soc Med** 1986 Sep;79(9):532–4

IMMUNOLOGY

Histological and immunological features of primary Kaposi's sarcoma: evaluation before and after chemotherapy. Brambilla L, et al. **Acta Derm Venereol (Stockh)** 1987; 67(3):211–7

Characterization of a distinct subgroup of high–risk persons with Kaposi's sarcoma and good prognosis who present with normal T4 cell number and T4:T8 ratio and negative HTLV–III/LAV serologic test results. Afrasiabi R, et al. **Am J Med** 1986 Dec;81(6):969–73

Interferon inactivator(s) in patients with AIDS and AIDS–unrelated Kaposi's sarcoma [letter] Margolis DM. **Am J Med** 1987 Jun;82(6):1278

Staining for factor VIII related antigen and Ulex europaeus agglutinin I (UEA–I) in 230 tumours. An assessment of their specificity for angiosarcoma and Kaposi's sarcoma. Leader M, et al. **Histopathology** 1986 Nov;10(11):1153–62

HLA studies of endemic African Kaposi's sarcoma patients and matched controls: no association with HLA–DR5. Melbye M, et al. **Int J Cancer** 1987 Feb 15;39(2):182–4

von Willebrand factor antigen levels in Kaposi's sarcoma. Penneys NS, et al. **J Am Acad Dermatol** 1986 Dec; 15(6):1214–7

Kaposi's sarcoma and HTLV–III: a study in Nigerian adult males. Otu AA. **J R Soc Med** 1986 Sep;79(9):510–4

Kaposi's sarcoma in different populations in South Africa. Phillips JI, et al. **S Afr Med J** 1987 May 16;71(10):615–9

A case of classical Kaposi's sarcoma in B–cell chronic lymphocytic leukemia (B–CLL). Contu L, et al. **Tumori** 1986 Aug 31;72(4):365–74

[Immunovirologic profile of Kaposi's sarcoma in Morocco (letter)] Benslimane A, et al. **Presse Med** 1987 May 16; 16(18):917 **(Fre)**

METABOLISM

[Immunohistochemical localization of factor VIII R–Ag in Kaposi's sarcoma] Risio M, et al. **Pathologica** 1985 Sep–Oct; 77(1051):503–9 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Human immunodeficiency virus–associated Kaposi's sarcoma in a pediatric renal transplant recipient. Malekzadeh MH, et al. **Nephron** 1987;47(1):62–5

OCCURRENCE

Childhood Kaposi's sarcoma in Papua New Guinea. Sengupta SK, et al. **Aust Paediatr J** 1986 Nov;22(4):301–4

Pathophysiology and epidemiology of epidemic Kaposi's sarcoma. Safai B. **Semin Oncol** 1987 Jun;14(2 Suppl 3):7–12 (53 ref.)

[Kaposi's disease in Western Africa. 11 cases in Mali] Pichard E, et al. **Ann Med Interne (Paris)** 1987;138(3):202–6 (Eng. Abstr.) **(Fre)**

[Kaposi's sarcoma of the oral cavity in patients with acquired immunodeficiency syndrome (AIDS). Clinical and therapeutic aspects] Ficarra G, et al. **Minerva Stomatol** 1987 Jan–Feb;36(1–2):79–86 (Eng. Abstr.) **(Ita)**

[Analysis of 33 cases of acquired immunodeficiency syndrome in Argentina. Similarities and differences with the international experience] Cahn P, et al. **Medicina (B Aires)** 1987;47(1):1–11 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Fine needle aspiration cytology of Kaposi's sarcoma in lymph nodes. A case report. Gagliano EF. **Acta Cytol (Baltimore)** 1987 Jan–Feb;31(1):25–8

Diagnosis of Kaposi's sarcoma by fine–needle aspiration biopsy. Hales M, et al. **Am J Clin Pathol** 1987 Jul;88(1):20–5

The histogenesis of Kaposi's sarcoma. Russell Jones R, et al. **Am J Dermatopathol** 1986 Oct;8(5):369–70

Kaposi's sarcoma. With special reference to its manifestations in infants and children and to the concepts of Arthur Purdy Stout. Dorfman RF. **Am J Surg Pathol** 1986;10 Suppl 1:68–77 (70 ref.)

In vitro study of the cell populations in two cases of Kaposi's sarcoma. Gioanni J, et al. **Arch Dermatol Res** 1986; 279(1):26–31

Kaposi's sarcoma of the bone marrow. Conran RM, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):1083–5

Kaposi's sarcoma and acquired immunodeficiency syndrome. Postmortem findings in twenty–four cases. Lemlich G, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):319–25

Kaposi's idiopathic hemorrhagic sarcoma. A case report. Jarvis BD, et al. **J Am Podiatr Med Assoc** 1987 Jul; 77(7):354–6

A bullous variant of Kaposi's sarcoma in an elderly female. Recht B, et al. **J Dermatol Surg Oncol** 1986 Nov; 12(11):1192–7

Regression of Kaposi's sarcoma after reduction of immunosuppressive therapy in a heart transplant patient. Bhoopchand A, et al. **J Heart Transplant** 1986 Nov–Dec; 5(6):461–4

Kaposi's sarcoma. Tandon R, et al. **J Indian Med Assoc** 1986 Feb;84(2):59–60, 65–6

Oral Kaposi's sarcoma in acquired immune deficiency syndrome. Keeney K, et al. **J Oral Maxillofac Surg** 1987 Sep;45(9):815–21

Lymphadenopathic type of Kaposi's sarcoma in a Ugandan child seropositive for LAV/HTLV–III antibodies. Marquart KH, et al. **J Trop Med Hyg** 1987 Apr;90(2):93–4

Kaposi's sarcoma: a reversible hyperplasia. Brooks JJ. **Lancet** 1986 Dec 6;2(8519):1309–11

Pulmonary Kaposi's sarcoma in patients with acquired immune deficiency syndrome: a clinicopathological study. Fouret PJ, et al. **Thorax** 1987 Apr;42(4):262–8

A staining method for easy detection of eosinophilic globules in Kaposi's sarcoma. Senba M, et al. **Tohoku J Exp Med** 1987 Jun;152(2):209–10

Acquired immune deficiency syndrome—AIDS head and neck manifestations. Mikaelian DO, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):386–9

[Histopathology of cutaneous lesions] Lessana–Leibowitch M, et al. **Ann Pathol** 1986;6(4–5):297–9 (Eng. Abstr.) **(Fre)**

[Kaposi's sarcoma localized on the shaft of the penis] Merimsky E, et al. **J Urol (Paris)** 1987;93(2):95–7 (Eng. Abstr.) **(Fre)**

[Kaposi–like acroangiodermatitis (pseudo–Kaposi sarcoma)] Siemund J. **Dermatol Monatsschr** 1986;172(7):415–21 (Eng. Abstr.) **(Ger)**

[Disseminated mucocutaneous Kaposi sarcoma in AIDS. Clinical and therapeutic experiences in 13 patients] Bratzke B, et al. **Hautarzt** 1987 May;38(5):286–94 (Eng. Abstr.) **(Ger)**

[Ultrastructural morphology of Kaposi sarcoma of the head and neck in acquired immunodeficiency syndrome (AIDS)] Schenk P. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov; 65(11):604–11 (Eng. Abstr.) **(Ger)**

[Kaposi sarcoma in acquired immunologic deficiency syndrome (AIDS)] Schenk P. **Med Klin** 1986 Sep 12; 81(18–19):587–91 (Eng. Abstr.) **(Ger)**

[Alport syndrome, status following kidney transplantation, malabsorption syndrome; multilocular intestinal Kaposi sarcoma] Bachor R, et al. **Pathologe** 1987 Mar;8(2):122–4 **(Ger)**

[Metastasized Kaposi sarcoma—oral manifestation in a case of AIDS] Lüttges J, et al. **Pathologe** 1986 Nov;7(6):334–7 **(Ger)**

[Intestinal manifestation of primary Kaposi sarcoma in AIDS] Sorger K, et al. **Pathologe** 1987 Jul;8(4):242–6 **(Ger)**

[Coexistence of Kaposi's sarcoma and immunoblastic lymphoma. Description of a case] Basaglia P, et al. **Minerva Med** 1987 Feb 15;78(3):187–91 (Eng. Abstr.) **(Ita)**

[Kaposi's angioreticulosis] Beliavskiĭ AI, et al. **Sov Med** 1987; (4):119–20 **(Rus)**

[The gastrointestinal tract in Kaposi's sarcoma (based on endoscopic study data)] Poddubnyĭ BK, et al. **Vestn Dermatol Venerol** 1987;(4):7–12 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Nutritional factors in epidemic Kaposi's sarcoma. Colman N, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 3):54–62 (46 ref.)

[Classical Kaposi's sarcoma. Study of the lymphatic system of lower limbs] Fei L, et al. **Presse Med** 1987 Jun 20; 16(24):1188–90 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychosocial considerations in the therapy of epidemic Kaposi's sarcoma. Holland JC, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 3):48–53

RADIOGRAPHY

Pharyngeal Kaposi's sarcoma in patients with AIDS. Emery CD, et al. **AJR** 1986 Nov;147(5):919–22

Kaposi's sarcoma of the lung in AIDS: radiologic–pathologic analysis. Sivit CJ, et al. **AJR** 1987 Jan;148(1):25–8

Intrathoracic Kaposi sarcoma in AIDS patients: radiographic–pathologic correlation. Davis SD, et al. **Radiology** 1987 May;163(2):495–500

AIDS–related Kaposi sarcoma and lymphomas. Nyberg DA, et al. **Semin Roentgenol** 1987 Jan;22(1):54–65 (65 ref.)

RADIOTHERAPY

Dual–field rotational (DFR) technique for total–skin electron–beam therapy (TSEBT). Kumar PP, et al. **Am J Clin Oncol** 1987 Aug;10(4):344–54

Kaposi's sarcoma and its management by radiotherapy. el–Akkad S, et al. **Arch Dermatol** 1986 Dec;122(12):1396–9

Toxicity of oral radiotherapy in patients with acquired immunodeficiency syndrome. Cooper JS, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):327–8

Defining the role of radiation therapy in the management of epidemic Kaposi's sarcoma. Cooper JS, et al. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):35–9

Radiotherapy of Kaposi's sarcoma. Hamilton CR, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1931–5

Enhanced mucosal reactions in AIDS patients receiving oropharyngeal irradiation. Watkins EB, et al. **Int J Radiat Oncol Biol Phys** 1987 Sep;13(9):1403–8

Megavoltage radiotherapy using water bolus in the treatment of Kaposi's sarcoma. Weshler Z, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2029–32

The impact of palliative irradiation on the management of patients with acquired immune deficiency syndrome. Nobler MP, et al. **J Clin Oncol** 1987 Jan;5(1):107–12

Kaposi's sarcoma: report of five cases treated with radiotherapy. Ampil FL. **J Surg Oncol** 1986 Dec; 33(4):259–61

The role of radiotherapy for epidemic Kaposi's sarcoma. Hill DR. **Semin Oncol** 1987 Jun;14(2 Suppl 3):19–22

[Clinical aspects and therapy of Kaposi's sarcoma] Reichelt S, et al. **Strahlenther Onkol** 1987 Mar;163(3):144–7 (Eng. Abstr.) **(Ger)**

SURGERY

Kaposi's sarcoma of penis. Maiche AG, et al. **Br J Urol** 1986 Oct;58(5):557

THERAPY

Partial plasma exchange in patients with AIDS and Kaposi's sarcoma. Plasmapheresis in AIDS. Reiss RF, et al. **AIDS Res** 1986 Summer;2(3):183–90

Treatment of Kaposi's sarcoma with interferon alfa-2b (Intron A). Volberding PA, et al. **Cancer** 1987 Feb 1;59(3 Suppl):620–5

Treatment of AIDS-associated Kaposi's sarcoma with recombinant alpha interferon. Oettgen HF, et al. **Immunobiology** 1986 Sep;172(3–5):269–74

Immunotherapy in a case of AIDS with Kaposi's sarcoma—an unsuccessful attempt with recombinant alpha-2 interferon followed by isoprinosine. Roupe G, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):17–9

AIDS and Kaposi's sarcoma: interferons in pathogenesis and treatment. Krown SE. **Interferon** 1986;7:185–211 (125 ref.)

Interferon alpha in the treatment of AIDS-associated Kaposi's sarcoma. Kern P, et al. **Onkologie** 1987 Feb; 10(1):50–2

Alpha interferon therapy of AIDS-associated Kaposi's sarcoma. Abrams DI, et al. **Semin Oncol** 1987 Jun;14(2 Suppl 2):43–7

Alpha interferon therapy of AIDS-associated Kaposi's sarcoma. Abrams DI, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):43–7

Neoplasms in the acquired immune deficiency syndrome: the multidisciplinary approach to treatment. Groopman JE. **Semin Oncol** 1987 Jun;14(2 Suppl 3):1–6

The role of interferon in the therapy of epidemic Kaposi's sarcoma. Krown SE. **Semin Oncol** 1987 Jun;14(2 Suppl 3):27–33 (55 ref.)

[Interferon alpha 2C in the treatment of 2 patients with AIDS-associated Kaposi sarcoma] Steger G, et al. **Wien Klin Wochenschr** 1987 Feb 20;99(4):120–3 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Comparative electron microscopic study of cutaneous and soft tissue angiosarcomas, post-mastectomy angiosarcoma (Stewart-Treves syndrome) and Kaposi's sarcoma. Lagacé R, et al. **Ultrastruct Pathol** 1987;11(2–3):161–73

SARCOMA, MAST CELL

DRUG THERAPY

Potentiation of the chemotherapeutic action of 5'-deoxy-5-fluorouridine in combination with guanosine and related compounds. Iigo M, et al. **Cancer Chemother Pharmacol** 1987;19(1):61–4

Effects of L-histidinol on the susceptibility of P815 mastocytoma cells to selected anticancer drugs in vitro and in DBA/2J mice. Warrington RC, et al. **JNCI** 1987 Jun; 78(6):1177–83

ENZYMOLOGY

DNA methyltransferase polypeptides in mouse and human cells. Pfeifer GP, et al. **Biochim Biophys Acta** 1986 Dec 18;868(4):238–42

Tryptophan 5-monooxygenase from mouse mastocytoma clone P815. Fujisawa H, et al. **Methods Enzymol** 1987; 142:93–6

Tryptophan 5-monooxygenase from mouse mastocytoma: high-performance liquid chromatography assay. Hasegawa H, et al. **Methods Enzymol** 1987;142:88–92

IMMUNOLOGY

P815 mastocytoma cells, classical targets for cytotoxic T lymphocytes, exert natural cytotoxicity. Luciani MF, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb;138(1):37–43

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. III. Morphometric assessment of the dynamic changes in post-capillary venules as regulatory elements of lymphocyte recirculation in tumor-draining lymph nodes. Tosi P, et al. **Arch Geschwulstforsch** 1987; 57(1):7–15

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. II. Morphometric assessment of immunoreactivity in the thymus and spleen related to lymphocyte subsets in peripheral blood. Syrjänen K, et al. **Exp Pathol** 1986;30(2):75–82

Immune response against P815X2 mastocytoma growing in syngeneic DBA/2 mice. I. Morphometric assessment of lymph node immunoreactivity and analysis of circulating antibodies. Tosi P, et al. **Exp Pathol** 1986;30(2):65–74

Immunogenic (tum–) variants obtained by mutagenesis of mouse mastocytoma P815. VIII. Detection of stable transfectants expressing a tum– antigen with a cytolytic T cell stimulation assay. Wölfel T, et al. **Immunogenetics** 1987;26(3):178–87

Frequency analysis of augmented CTL production associated with Corynebacterium parvum-induced tumour regression. Johnson TR, et al. **Immunology** 1987 Mar;60(3):361–6

Destructive and nondestructive patterns of immune rejection of syngeneic intraocular tumors. Knisely TL, et al. **J Immunol** 1987 Jun 15;138(12):4515–23

Characterization of an anti-idiotypic T cell hybridoma involved in the regulation of the immune response to the P815 mastocytoma. Steele JK, et al. **J Immunol** 1986 Dec 1;137(11):3550–6

[Influence of BCG in the control of humoral deficiency induced by mastocytoma p–815] Bräscher HM, et al. **Mem Inst Oswaldo Cruz** 1986 Apr–Jun;81(2):149–54 (Eng. Abstr.) **(Por)**

METABOLISM

Induction of histidine decarboxylase by dexamethasone in mastocytoma P–815 cells. Imanishi N, et al. **Biochim Biophys Acta** 1987 Apr 22;928(2):227–34

Inhibitory effect of prostaglandin D2 on DNA synthesis in nuclei. Koshihara Y, et al. **Prostaglandins Leukotrienes Med** 1986 Aug;23(2–3):253–65

Possible cytoskeletal association of 69,000- and 68,000-dalton heat shock proteins and structural relations among heat shock proteins in murine mastocytoma cells. Ohtsuka K, et al. **Radiat Res** 1986 Oct;108(1):34–42

Induction of granulopoiesis of mastocytoma cells: ultrastructural and cytochemical studies on production of serotonin in a cultured mouse mastocytoma cell line. Inoue K, et al. **Virchows Arch [B]** 1987;53(3):153–60

PATHOLOGY

Isolated canine mastocytoma cells: propagation and characterization of two cell lines. Lazarus SC, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C935–44

The third component of complement (C3) bound to tumor target cells enhances their sensitivity to killing by activated macrophages. Bara S, et al. **J Immunol** 1987 Feb 15; 138(4):1303–9

Arachidonic acid mobilization among phospholipids in murine mastocytoma P–815 cells: role of ether-linked phospholipids. Yoshioka S, et al. **J Lipid Res** 1986 Sep; 27(9):939–44

[Influences of inflammatory macrophages on the proliferation of mouse tumor cells in vitro] Sun DM, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):247–9 (Eng. Abstr.) **(Chi)**

THERAPY

Antitumor activity of lipopolysaccharide in tumor-bearing mice pretreated with BCG. Sato H, et al. **Tohoku J Exp Med** 1986 Dec;150(4):391–9

[Sensitivity of mice to systemic hyperthermia: effect of the transplantation of ascites tumor cells modified by preheating, and by an injection of CDDP or interferon] Nakamura W, et al. **C R Soc Biol (Paris)** 1986;180(5):601–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Scanning electron microscopic method for studying the interaction of normal peritoneal macrophages with tumor cells] Rytenko AN, et al. **Eksp Onkol** 1986;8(6):52–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Cutaneous mast cell neoplasia in cats: 14 cases (1975–1985). Buerger RG, et al. **J Am Vet Med Assoc** 1987 Jun 1; 190(11):1440–4

SARCOMA, OSTEOGENIC

Usefulness of SPECT in evaluating osteosarcoma metastases to the lung. Kirk GA, et al. **Clin Nucl Med** 1987 May; 12(5):356–8

Tumor review: osteogenic sarcoma of the foot. Wu KK. **J Foot Surg** 1987 May–Jun;26(3):269–71

ANALYSIS

[Histo-immunolocalization of human and murine type I and III collagens in human cancers grafted to congenital athymic mice] Duprez A, et al. **C R Acad Sci [III]** 1987; 304(7):155–60 (Eng. Abstr.) **(Fre)**

[Immunohistochemical studies of chordomas and choroid tumors] Lossnitzer A, et al. **Zentralbl Allg Pathol** 1986; 132(3):193–6 (Eng. Abstr.) **(Ger)**

[Metronidazole content of normal and tumor tissues in the combined treatment of patients with osteogenic sarcoma] Bizer VA, et al. **Med Radiol (Mosk)** 1987 Jun;32(6):41–5 (Eng. Abstr.) **(Rus)**

BLOOD

Effects of thromboxane A2 inhibition on osteogenic sarcoma cell-induced platelet aggregation. Mehta P, et al. **Cancer Res** 1986 Oct;46(10):5061–3

[Determination of methotrexate concentration in serum: comparison between capillary and venous blood] Bömelburg T, et al. **Klin Padiatr** 1987 May–Jun; 199(3):230–2 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Telangiectatic osteosarcoma of the mandible. Chan CW, et al. **Cancer** 1986 Nov 1;58(9):2110–5

COMPLICATIONS

Osteogenic sarcoma developing after successful therapy of acute lymphocytic leukemia. Gohokar D, et al. **Am J Pediatr Hematol Oncol** 1986 Fall;8(3):259–60

Osteogenic sarcoma arising in polyostotic fibrous dysplasia. A case report. Jose CC, et al. **Australas Radiol** 1986 May; 30(2):134–6

Pathologic fracture in osteosarcoma. Impact of chemotherapy on primary tumor and survival. Jaffe N, et al. **Cancer** 1987 Feb 15;59(4):701–9

Vibrio alginolyticus bacteremia in an immunocompromised patient. Janda JM, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):337–40

Osteosarcoma in association with infarction of bone. Report of two cases. Heater K, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):300–2

Osteosarcoma as a primary second tumor in a patient with nonhereditary retinoblastoma. Sudanese A, et al. **Tumori** 1986 Oct 31;72(5):535–7

DIAGNOSIS

MR imaging of osteogenic and Ewing's sarcoma. Boyko OB, et al. **AJR** 1987 Feb;148(2):317–22

Chondrogenic neoplasms of the nasal cavity. el-Silimy OE, et al. **J Laryngol Otol** 1987 May;101(5):500–5

Metastatic epidural osteosarcoma initially diagnosed as cisplatin neuropathy. Shimizu H, et al. **J Neurooncol** 1986; 4(2):165–7

Preparation and properties of antitumor monoclonal antibodies labeled with metallic radionuclides indium-111, gallium-67, and technetium-99m. Endo K, et al. **NCI Monogr** 1987;(3):135–40

Soft tissue tumors: unusual forms. Batsakis JG, et al. **Otolaryngol Clin North Am** 1986 Nov;19(4):659–83 (49 ref.)

Musculoskeletal tumors: improved depiction with linear combinations of MR images. Levin DN, et al. **Radiology** 1987 May;163(2):545–9

Case report 398. Fornasier VL, et al. **Skeletal Radiol** 1986; 15(7):597

Magnetic resonance imaging of osteosarcoma. Sundaram M, et al. **Skeletal Radiol** 1987;16(1):23–9

[Uses of a hematoporphyrin derivative for intra-operative localization of bone and soft tissue tumors] Lu SB. **Chung Hua I Hsueh Tsa Chih** 1987 Feb;67(2):70–1 (Eng. Abstr.) **(Chi)**

[Microsurgical transplantation of bone tumors of uncertain prognosis in athymic nude mice] Duprez A, et al. **Rev Chir Orthop** 1986;72(6):381–92 (Eng. Abstr.) **(Fre)**

[Magnetic resonance imaging of tumors of the knee using surface coils] Roger B, et al. **Rev Chir Orthop** 1986; 72(4):253–8 (Eng. Abstr.) **(Fre)**

[31-phosphorus spectroscopy of osteogenic sarcoma. Possibilities in therapy control in comparison with imaging methods] Just M, et al. **ROFO** 1987 Feb;146(2):144–8 (Eng. Abstr.) **(Ger)**

[Vertebral parosteal osteoid osteoma: study of a rare case with dorsal localization] Marasco E, et al. **Arch Putti Chir Organi Mov** 1985;35:383–7 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Continuous cisplatin infusion in combination with vincristine and high-dose methotrexate for advanced osteogenic sarcoma. Gasparini M, et al. **Am J Clin Oncol** 1987 Apr; 10(2):152–5

CNS-side effects induced by Ifosfamide-Mesna in children with osteosarcomas. Delépine N, et al. **Biomed Pharmacother** 1986;40(5):173–5

Renal toxicity with cumulative doses of cis-diamminedichloroplatinum-II in pediatric patients with osteosarcoma. Effect on creatinine clearance and methotrexate excretion. Jaffe N, et al. **Cancer** 1987 May 1;59(9):1577–81

Regional chemotherapy with the use of cisplatin and doxorubicin as primary treatment for advanced sarcomas in shoulder, pelvis, and thigh. Stephens FO, et al. **Cancer** 1987 Aug 15;60(4):724–35

High-dose ifosfamide alone and in combination for solid malignancies in childhood. Gasparini M. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S18

Treatment of advanced soft tissue and osteogenic sarcomas with continuous infusion of ifosfamide and mesna. Klein HO, et al. **Cancer Chemother Pharmacol** 1986;18 Suppl 2:S19

Human tumor clonogenic assay in osteosarcoma for evaluation of clinical efficacy of anti-cancer drugs. Tomita K, et al. **Cancer Chemother Pharmacol** 1986;18(2):133–6

Bleomycin, cyclophosphamide, and dactinomycin in metastatic osteosarcoma: lack of tumor regression in previously treated patients. Pratt CB, et al. **Cancer Treat Rep** 1987 Apr;71(4):421–3

Neoadjuvant high-dose methotrexate, cisplatin, and doxorubicin for the management of patients with nonmetastatic osteosarcoma. Weiner MA, et al. **Cancer Treat Rep** 1986 Dec;70(12):1431–2

Antimetastatic effects of razoxane in a rat osteosarcoma model. Wingen F, et al. **Clin Exp Metastasis** 1987 Jan–Mar; 5(1):9–16

Studies on the cytotoxicity of penicillamine in a rat osteogenic sarcoma. Cosolo W, et al. **Clin Exp Pharmacol Physiol** 1986 Oct;13(10):737–43

Adriamycin–methotrexate high dose versus adriamycin–methotrexate moderate dose as adjuvant chemotherapy for osteosarcoma of the extremities: a randomized study. Bacci G, et al. **Eur J Cancer Clin Oncol** 1986 Nov;22(11):1337–45

Pediatric osteogenic sarcoma: recent trends. Garcia SA. **Indiana Med** 1986 Sep;79(9):760–2

Cytostatic effects in osteosarcomas as detected by flow cytometric DNA analysis after preoperative chemotherapy according to the COSS 80/82 protocol. Bösing T, et al. **J Cancer Res Clin Oncol** 1987;113(4):369–75

Adjuvant chemotherapy of osteosarcoma [letter] **J Clin Oncol** 1987 Jun;5(6):982–4

Adjuvant therapy of osteosarcoma [editorial] Bertino JR. **J Clin Oncol** 1987 Jun;5(6):831–2

Adjuvant chemotherapy for osteosarcoma: a randomized prospective trial. Eilber F, et al. **J Clin Oncol** 1987 Jan; 5(1):21–6

Translocation t(9;11)(p21;q23) with acute myelomonocytic leukemia after chemotherapy for osteosarcoma: good response to antileukemic drugs [letter] Fenaux P, et al. **J Clin Oncol** 1987 Aug;5(8):1304–5

Weekly high-dose methotrexate and doxorubicin for osteosarcoma: the Dana–Farber Cancer Institute/the Children's Hospital—study III. Goorin AM, et al. **J Clin Oncol** 1987 Aug;5(8):1178–84

Adjuvant chemotherapy of osteosarcoma: no runs, no hits, two men left on base [editorial] Holland JF. **J Clin Oncol** 1987 Jan;5(1):4–6

Antitumor effect of human recombinant interferon–gamma and –beta against human osteosarcoma transplanted into nude mice. Gomi K, et al. **J Pharmacobiodyn** 1986 Nov; 9(11):879–88

Experimental studies on high-dose methotrexate with citrovorum factor chemotherapy for 89Sr–induced osteosarcoma murine model. Tomita K. **Jpn J Antibiot** 1986 May;39(5):1219–27

Chemosensitivity testing with tumor colony–forming assay for human osteosarcoma. Tomita K, et al. **Jpn J Antibiot** 1986 May;39(5):1228–33

A randomized study comparing high–dose methotrexate with moderate–dose methotrexate as components of adjuvant chemotherapy in childhood nonmetastatic osteosarcoma: a report from the Childrens Cancer Study Group. Krailo M, et al. **Med Pediatr Oncol** 1987;15(2):69–77

[Value of computed medical imaging in the surveillance of neo–adjuvant chemotherapy of osteogenic osteosarcoma in children and adolescents. 51 patients seen from 1984 to 1986] Delepine N, et al. **Ann Med Interne (Paris)** 1987; 138(4):275–7 (Eng. Abstr.) **(Fre)**

[Experiences and perspectives on adjuvant chemotherapy in osteogenic osteosarcoma] Jasmin C, et al. **Biomed Pharmacother** 1986;40(5):167–9 (Eng. Abstr.) **(Fre)**

[Pre and postoperative chemotherapy of osteosarcoma with an adriamycin–cisplatin combination. Risks of a neoadjuvant chemotherapy which is not sufficiently effective] Delepine N, et al. **Bull Cancer (Paris)** 1986; 73(3):288–93 (Eng. Abstr.) **(Fre)**

[Role of adriamycin in the therapy of bone sarcomas] Benz–Lemoine E. **Pathol Biol (Paris)** 1987 Jan;35(1):91–6 (Eng. Abstr.) **(Fre)**

[Compatibility and toxicity of methotrexate in the treatment of bone tumors] Pongracz N, et al. **Arzneimittelforschung** 1987 Apr;37(4):456–60 (Eng. Abstr.) **(Ger)**

[Immune complex formation and complement changes in osteosarcoma patients treated with high–dose methotrexate] Körholz D, et al. **Klin Padiatr** 1987 Jan–Feb; 199(1):22–6 (Eng. Abstr.) **(Ger)**

[Comparative x–ray and nuclear medical studies of osteosarcomas to evaluate the effectiveness of preoperative chemotherapy] Riebel T, et al. **ROFO** 1986 Oct; 145(4):365–72 (Eng. Abstr.) **(Ger)**

[Spectral EEG analysis in children treated with high–dose methotrexate] Fujii Y, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 1):659–67 (Eng. Abstr.) **(Jpn)**

[Rationale of preoperative chemotherapy of osteosarcoma] Furuse K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1392–8 (Eng. Abstr.) **(Jpn)**

[Chemotherapy using cisplatin in bone and soft tissue sarcoma] Isu K, et al. **Gan To Kagaku Ryoho** 1987 Jan; 14(1):100–4 (Eng. Abstr.) **(Jpn)**

[Intra–arterial infusion of cisplatinum in bone and soft tissue tumors] Matsumoto S, et al. **Gan To Kagaku Ryoho** 1987 Apr;14(4):1018–24 (Eng. Abstr.) **(Jpn)**

[In vivo 31P–NMR studies on energy metabolism and the effect of methotrexate in murine implanted osteosarcoma] Kato K. **Nippon Seikeigeka Gakkai Zasshi** 1986 Jul; 60(7):745–54 (Eng. Abstr.) **(Jpn)**

[Results of the treatment of osteosarcoma at the National Children's Hospital of Costa Rica] Brenes–Sáenz A, et al. **Bol Med Hosp Infant Mex** 1986 Sep;43(9):544–9 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

High alkaline phosphatase activity of telangiectatic osteosarcoma (TOS) and its diagnostic significance. Yoshida H, et al. **Acta Pathol Jpn** 1987 Feb;37(2):305–13

Rat alkaline phosphatase. I. Purification and characterization of the enzyme from osteosarcoma: generation of monoclonal and polyclonal antibodies. Nair BC, et al. **Arch Biochem Biophys** 1987 Apr;254(1):18–27

Gold(III) inhibits activated human osteosarcoma adenylate cyclase by an action at or near the catalytic component. van Valen F, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1109–15

Purification and partial amino acid sequencing of rat bone tumor (UMR106) alkaline phosphatase. Hsu HH, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):329–34

Time–dependent changes in protein kinase C distribution and disappearance in phorboi ester–treated human osteosarcoma cells. Krug E, et al. **Cancer Res** 1987 May 1;47(9):2243–6

Hypoxanthine:guanine phosphoribosyltransferase activity in xenografts of human osteosarcoma. Meyer WH, et al. **Cancer Res** 1986 Oct;46(10):4896–9

Bone and kidney adenylate cyclase–stimulating activity produced by a hypercalcemic canine adenocarcinoma line (CAC–8) maintained in nude mice. Rosol TJ, et al. **Cancer Res** 1987 Feb 1;47(3):690–5

Hormonal regulation of the production of collagenase and a collagenase inhibitor activity by rat osteogenic sarcoma cells. Partridge NC, et al. **Endocrinology** 1987 May; 120(5):1956–62

Evidence for increased synthesis as well as increased degradation of protein kinase C after treatment of human osteosarcoma cells with phorbol ester. Krug E, et al. **J Biol Chem** 1987 Aug 25;262(24):11852–6

Hypoxanthine:guanine phosphoribosyltransferase activity in primary human osteosarcomas. A rationale for therapy with methotrexate–thymidine rescue? Meyer WH, et al. **J Clin Oncol** 1987 Apr;5(4):657–61

ETIOLOGY

Effect of high 131I doses to the thyroid gland on tumorigenicity of 90Sr and 90Y in mice. Gimeno EJ, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):261–7

Sarcoma following irradiation for breast cancer. Report of three unusual cases including one malignant mesenchymoma of bone. Hatlinghus S, et al. **Acta Radiol [Oncol]** 1986 Jul–Dec;25(4–6):239–42

A case–control study of osteosarcoma in young persons. Operskalski EA, et al. **Am J Epidemiol** 1987 Jul; 126(1):118–26

Second malignant neoplasms after childhood cancer: a report of three cases of osteogenic sarcoma. Ironside JA. **Clin Radiol** 1987 Mar;38(2):195–9

Sarcomatous degeneration in Paget's bone disease. Seret P, et al. **J Cancer Res Clin Oncol** 1987;113(4):392–9

Radiation induced osteosarcoma of the clavicle: a case report and literature review. Tobin HE, et al. **Milit Med** 1987 Feb;152(2):89–92

[Radiogenic sarcoma] Guseva LI, et al. **Radiobiol Radiother (Berl)** 1986;27(5):567–70 (Eng. Abstr.) **(Ger)**

[Post–irradiation osteosarcoma: apropos of a case (letter)] Scherk A, et al. **Med Clin (Barc)** 1986 Nov 8;87(15):649 **(Spa)**

FAMILIAL & GENETIC

A c–ras–Ki oncogene is activated, amplified and overexpressed in a human osteosarcoma cell line. Nardeux PC, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):395–402

Breast cancer risk in mothers of children with osteosarcoma and chondrosarcoma. Hartley AL, et al. **Br J Cancer** 1986 Nov;54(5):819–23

Tumor heterogeneity in osteosarcoma as identified by flow cytometry. Hiddemann W, et al. **Cancer** 1987 Jan 15; 59(2):324–8

Flow cytometric analysis of DNA in bone and soft–tissue tumors using nuclear suspensions. Xiang JH, et al. **Cancer** 1987 Jun 1;59(11):1951–8

Chromosome 13 instability and esterase D expression in an osteosarcoma cell line. Hovig E, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):327–34

Multiple cytogenetic abnormalities in a case of osteosarcoma. Mandahl N, et al. **Cancer Genet Cytogenet** 1986 Nov; 23(3):257–60

c–myc amplification and expression in newly established human osteosarcoma cell lines. Bogenmann E, et al. **Cancer Res** 1987 Jul 15;47(14):3808–14

Molecular genetics of human familial cancer. Cavenee WK, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 2:829–35

PDGF induces c–myc mRNA expression in MG–63 human osteosarcoma cells but does not stimulate cell replication. Womer RB, et al. **J Cell Physiol** 1987 Jul;132(1):65–72

A human DNA segment with properties of the gene that predisposes to retinoblastoma and osteosarcoma. Friend SH, et al. **Nature** 1986 Oct 16–22;323(6089):643–6

IMMUNOLOGY

Selective localisation of two radiolabelled anti–sarcoma monoclonal antibodies in human osteosarcoma xenografts. Bruland O, et al. **Br J Cancer** 1987 Jul;56(1):21–5

Differentiation between monoclonal antibody–defined antigens on a human osteogenic sarcoma cell line (791T) and tumor–localizing properties of the anti–791T/36 antibody. Dawood F, et al. **Braz J Med Biol Res** 1986; 19(2):257–69

Production of a monoclonal antibody against a human osteosarcoma xenograft. Chin C, et al. **Hybridoma** 1986 Winter;5(4):339–46

Monoclonal antibodies to human osteosarcoma–associated antigen(s). Tsang KY, et al. **JNCI** 1986 Dec;77(6):1175–80

METABOLISM

1,25–Dihydroxyvitamin D3 enhances the growth of tumors in athymic mice inoculated with receptor rich osteosarcoma cells. Yamaoka K, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1292–8

Effects of phorbol esters and pertussis toxin on agonist–stimulated cyclic AMP production in rat osteosarcoma cells. Pines M, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3639–41

Effects of ascorbic acid on alkaline phosphatase activity and hormone responsiveness in the osteoblastic osteosarcoma cell line UMR–106. Sugimoto T, et al. **Calcif Tissue Int** 1986 Sep;39(3):171–4

Hormonal regulation of collagen synthesis in a clonal rat osteosarcoma cell line. Kream BE, et al. **Endocrinology** 1986 Nov;119(5):1922–8

Characteristics of a neutral amino acid transport system (system A) in osteoblastic rat osteosarcoma cells. Baum BJ, et al. **Exp Cell Res** 1987 Apr;169(2):453–7

Tissue factor–dependent activation of platelets by cells and microvesicles of SK–OS–10 human osteogenic sarcoma cell line. Grignani G, et al. **Invasion Metastasis** 1987;7(3):172–82

Ligand–dependent regulation of the 1,25–dihydroxyvitamin D3 receptor in rat osteosarcoma cells [published erratum appears in J Biol Chem 1987 Jul 25;262(21):10413] Pan LC, et al. **J Biol Chem** 1987 Apr 5;262(10):4670–5

Parathyroid hormone–activated calcium channels in an osteoblast–like clonal osteosarcoma cell line. cAMP–dependent and cAMP–independent calcium channels. Yamaguchi DT, et al. **J Biol Chem** 1987 Jun 5; 262(16):7711–8

Effect of electric currents on DNA synthesis in rat osteosarcoma cells: dependence on conditions that influence cell growth. Noda M, et al. **J Orthop Res** 1987; 5(2):253–60

OCCURRENCE

Primary extraosseous osteogenic sarcoma in the retroperitoneal space. A case report and review of the literature. Skensved H, et al. **Acta Radiol [Oncol]** 1986 May–Jun;25(3):191–4

PATHOLOGY

Parosteal osteosarcoma: radiologic–pathologic correlation with emphasis on CT. Lindell MM Jr, et al. **AJR** 1987 Feb;148(2):323–8

Osteogenic and chondrogenic sarcomas of the jaws. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 Jul–Aug;96(4):474–5

Extraskeletal osteosarcoma. Chung EB, et al. **Cancer** 1987 Sep 1;60(5):1132–42

Osteosarcoma of the urinary bladder. Report of a case and review of the literature. Young RH, et al. **Cancer** 1987 Jan 1;59(1):174–8

Characterization of a human osteosarcoma cell line (Saos–2) with osteoblastic properties. Rodan SB, et al. **Cancer Res** 1987 Sep 15;47(18):4961–6

Changing metastatic patterns of a transplantable rat osteosarcoma. Wingen F, et al. **Clin Exp Metastasis** 1987 Jan–Mar;5(1):17–26

Growth and ploidy of human osteosarcoma xenografts in serial passage in nude mice. Bauer HC, et al. **Eur J Cancer Clin Oncol** 1986 Jul;22(7):821–30

Epiphyseal osteosarcoma: distinguishing features from clear cell chondrosarcoma, chondroblastoma, and epiphyseal enchondroma. Tsuneyoshi M, et al. **Hum Pathol** 1987 Jun; 18(6):644–51

Osteosarcoma of the jaws—a series from Kaduna, Nigeria. Adekeye EO, et al. **Int J Oral Maxillofac Surg** 1987 Apr; 16(2):205–13

Chondroid osteosarcoma of the maxilla. Smith AC, et al. **Int J Oral Maxillofac Surg** 1987 Apr;16(2):232–5

Osteosarcoma mimicking fibrous dysplasia of the jaw. Yamashiro M, et al. **Int J Oral Maxillofac Surg** 1987 Feb; 16(1):112–5

Medullary involvement in parosteal osteosarcoma. A case report. Picci P, et al. **J Bone Joint Surg [Am]** 1987 Jan; 69(1):131–6

Disparate histologic responses in simultaneously resected primary and metastatic osteosarcoma following intravenous neoadjuvant chemotherapy. Nachman J, et al. **J Clin Oncol** 1987 Aug;5(8):1185–90

Interferon-induced phenotypic changes in human tumor cells relative to the effects of interferon on c-ras oncogene expression. Brouty-Boyé D, et al. **J Interferon Res** 1986 Oct;6(5):461–71

Osteosarcoma of the mandible: analysis of nine cases. Lindqvist C, et al. **J Oral Maxillofac Surg** 1986 Oct; 44(10):759–64

A rare case of simultaneous malignant tumors: osteosarcoma of the mandible and lung cancer. Ohya T, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):261–4

Osteosarcoma with calcific mediastinal lymphadenopathy. van Zanten TE, et al. **Pediatr Radiol** 1987;17(3):258–9

Pathology of childhood osteosarcoma. Carter JR, et al. **Perspect Pediatr Pathol** 1987;9:133–70 (155 ref.)

Interaction of heat with chemotherapy in vitro: effect on cell viability and protein synthesis in human and murine cell lines. Supino R, et al. **Tumori** 1987 Apr 30;73(2):109–16

[Effect of various pulsating electro-magnetic fields on cells cultured in vitro] Rong DB, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Mar;25(3):178–81, 191 (Eng. Abstr.) **(Chi)**

[Osteosarcoma of the femur arising on an old giant cell tumor] Venturi R. **Chir Organi Mov** 1986 Oct-Dec; 71(4):411–5 (Eng. Abstr.) **(Ita)**

[A study of the effect of anti-tumor agents combined with caffeine on established lines of human osteosarcoma cells and primary cultured human sarcoma cells by clonogenic assay] Tsuchiya H, et al. **Gan To Kagaku Ryoho** 1987 Jul; 14(7):2269–75 (Eng. Abstr.) **(Jpn)**

[Cytoplasmatic androgen receptors in malignant bone neoplasms and their relation to the morphological characteristics of the tumor] Kushlinskiĭ NE, et al. **Arkh Patol** 1987;49(5):52–7 (Eng. Abstr.) **(Rus)**

[Clonogenic capacity and proliferative activity of the cells of malignant tumors of the bones] Kolesnikova AI, et al. **Med Radiol (Mosk)** 1986 Dec;31(12):36–40 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Further characterization of a transplantable murine osteogenic sarcoma. Russ GA, et al. **Cancer Invest** 1986; 4(6):535–41

PREVENTION & CONTROL

[Behavior and biological action of large amounts of 239Pu following intramuscular administration in rats undergoing long-term therapy with Zn- and Ca-DTPA] Siniakov EG, et al. **Radiobiologiia** 1987 Jan-Feb;27(1):129–30 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiographic spectrum of osteogenic sarcoma. Kumar R, et al. **AJR** 1987 Apr;148(4):767–72

The radiology of sarcomas and sarcomatoid carcinomas of the kidney. Mucci B, et al. **Clin Radiol** 1987 May; 38(3):249–54

A case of extraskeletal osteogenic sarcoma in the neck. Binkhuysen FH, et al. **Diagn Imag Clin Med** 1986; 55(6):384–90

Osteosarcoma: role of CT in limb-sparing treatment. Schreiman JS, et al. **Radiology** 1986 Nov;161(2):485–8

Case report 420: Parosteal osteosarcoma. Marks MP, et al. **Skeletal Radiol** 1987;16(3):246–51

Case report 425: Chondroblastic osteosarcoma: clear-cell variant of femur. Raymond AK, et al. **Skeletal Radiol** 1987; 16(4):336–41

The radiological appearances of telangiectatic osteosarcoma. A study of 14 cases. Vanel D, et al. **Skeletal Radiol** 1987; 16(3):196–200

[Digital angiography of bone sarcoma in the child] Delépine N, et al. **Biomed Pharmacother** 1986;40(5):175–8 (Eng. Abstr.) **(Fre)**

[Primary multiple osteogenic sarcoma] Dreissiger I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(4):305–10 (Eng. Abstr.) **(Hun)**

[Bone and visceral multicentric osteosarcoma. A case] Bergonzi S, et al. **Radiol Med (Torino)** 1987 Jun; 73(6):579–81 **(Ita)**

[A bone tumor in an adolescent] Martín Peinador A, et al. **Rev Clin Esp** 1987 Apr;180(6):333–6 **(Spa)**

RADIONUCLIDE IMAGING

A photopenic lesion in osteosarcoma. Rossleigh MA, et al. **Br J Radiol** 1987 May;60(713):497–9

Histomorphometric changes of osteosarcoma after chemotherapy. Correlation with 99mTc methylene diphosphonate functional imaging. Sommer HJ, et al. **Cancer** 1987 Jan 15;59(2):252–8

Comparative imaging and biodistribution studies with an anti-CEA monoclonal antibody and its F(ab)2 and Fab fragments in mice with colon carcinoma xenografts. Andrew SM, et al. **Eur J Nucl Med** 1986;12(4):168–75

Localization of human osteogenic sarcoma xenografts in nude mice by a monoclonal antibody labeled with radioiodine and indium-111. Sakahara H, et al. **J Nucl Med** 1987 Mar; 28(3):342–8

RADIOTHERAPY

Strontium-89 therapy: strontium kinetics and dosimetry in two patients treated for metastasising osteosarcoma. Blake GM, et al. **Br J Radiol** 1987 Mar;60(711):253–9

Elective whole-lung irradiation in osteosarcoma treatment: appearance of bilateral breast cancer in two long-term survivors. Ivins JC, et al. **Skeletal Radiol** 1987;16(2):133–5

[Fast neutron radiotherapy in the treatment of limb-salvage surgery in patients with osteosarcoma] Takada N, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1405–11 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Functional evaluation of the preserved limb following resection of osteosarcoma and malignant bone tumors] Tomita K, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1444–50 (Eng. Abstr.) **(Jpn)**

SECONDARY

Thoracotomy for pulmonary metastatic osteosarcoma. An analysis of prognostic indicators of survival. Meyer WH, et al. **Cancer** 1987 Jan 15;59(2):374–9

Effect of human tumor cells on platelet aggregation: potential relevance to pattern of metastasis. Mehta P, et al. **Cancer Res** 1987 Jun 15;47(12):3115–7

Bilateral talc pleurodesis in metastatic pneumothorax [letter] Bourke S, et al. **Chest** 1987 Sep;92(3):576

Metastatic osteosarcoma and multiple lung resection. A case report. Blasier D, et al. **J Bone Joint Surg [Br]** 1986 Nov; 68(5):748–50

Morphology of pulmonary metastases from osteosarcoma during chemotherapy. Derstappen T, et al. **J Cancer Res Clin Oncol** 1987;113(3):241–8

Unilateral pulmonary metastasis in a patient with osteogenic sarcoma surviving longer than 13 years after leg amputation. Honma K, et al. **Wien Klin Wochenschr** 1986 Aug 8;98(15):499–503

[Pleural involvement caused by contiguity or metastases in primary malignant bone tumors in children] Marchal AL, et al. **J Radiol** 1986 Apr;67(4):303–7 (Eng. Abstr.) **(Fre)**

[Mediastinal metastasis in osteogenic sarcoma. X-ray and nuclear medicine follow-up] Naegele M, et al. **ROFO** 1987 May;146(5):598–9 **(Ger)**

[A case of chondrosarcoma secondary to a solitary osteosarcoma] Mórocz I, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):272–8 (Eng. Abstr.) **(Hun)**

[Significance of surgical adjuvant chemotherapy in osteosarcoma] Yamawaki S, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1430–7 (Eng. Abstr.) **(Jpn)**

SURGERY

Primary malignant bone tumors of the shoulder girdle: surgical technique of resection and reconstruction. Frassica FJ, et al. **Am Surg** 1987 May;53(5):264–9

The expandable prosthesis. An alternative to amputation for children with malignant bone tumors. Lewis MM, et al. **AORN J** 1987 Sep;46(3):457–70

Modification of the skin incision for the Van Nes limb rotationplasty. Gebhart MJ, et al. **Clin Orthop** 1987 Mar; (216):179–82

Limb salvage and prosthetic joint reconstruction for low-grade and selected high-grade sarcomas of bone after wide resection and replacement by autoclaved [corrected] autogeneic grafts [published erratum appears in Clin Orthop 1987 Mar;(216):312] Harrington KD, et al. **Clin Orthop** 1986 Oct;(211):180–214

Anterior decompression of vertebral osteosarcomas to relieve paraparesis. Report of two cases. Jaffray D, et al. **Clin Orthop** 1987 Jan;(214):210–6

Periosteal osteosarcoma. Ritts GD, et al. **Clin Orthop** 1987 Jun;(219):299–307

Treatment of malignant cranio-orbital tumors. Rosen HM. **Clin Plast Surg** 1987 Jan;14(1):137–42

Limb-salvage procedures for osteosarcoma. An alternative to amputation. Wong AC, et al. **Int Orthop** 1986; 10(4):245–51

The osteosarcoma amputation stump: a clinico-radiographical correlation. Nessi R, et al. **Int Surg** 1987 Jan-Mar;72(1):51–5

Limb-salvage treatment versus amputation for osteosarcoma of the distal end of the femur [letter] Rhodes MA. **J Bone Joint Surg [Am]** 1987 Jun;69(5):792–3

Limb-salvage treatment versus amputation for osteosarcoma of the distal end of the femur. Simon MA, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1331–7

Stress fractures after surgery for osteosarcoma: scintigraphic assessment. Ben Ami T, et al. **Radiology** 1987 Apr; 163(1):157–62

[Preservation of the limbs in osteosarcoma and other primary tumors of bone] Langlais F. **Presse Med** 1986 Nov 8; 15(39):1967–70 (Eng. Abstr.) **(Fre)**

[Resection-reconstruction of the femur shaft by a massive allograft fixed by an interlocking nail] Babin SR, et al. **Rev Chir Orthop** 1987;73(1):25–9 (Eng. Abstr.) **(Fre)**

[Pre- and postoperative anatomo-clinical correlations apropos of 30 conservative resections of osteogenic sarcomas. Surgical inferences] Missenard G, et al. **Rev Chir Orthop** 1986;72(7):477–83 (Eng. Abstr.) **(Fre)**

[Bone sarcoma of the limbs in adults and children. Is amputation still indicated in 1985?] Delepine G, et al. **Rev Rhum Mal Osteoartic** 1986 Oct;53(10):539–45 **(Fre)**

[Function and morphology of venovenous anastomoses following rotationplasty surgery] Teleky B, et al. **Vasa** 1987;16(1):56–9 (Eng. Abstr.) **(Ger)**

[Total femur replacement in osteogenic sarcoma of the femur] Shinjo K, et al. **Gan No Rinsho** 1987 Jul;33(8):993–1000 (Eng. Abstr.) **(Jpn)**

[The value of limb-saving surgery in the treatment of osteosarcoma] Kawaguchi N, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1412–22 (Eng. Abstr.) **(Jpn)**

[Application of biomaterials in the treatment of osteosarcoma] Kotoura Y, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1423–9 (Eng. Abstr.) **(Jpn)**

[Role of conservative surgery in the complex treatment of patients with osteogenic sarcoma] Trapeznikov NN, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):113–9 (Eng. Abstr.) **(Rus)**

THERAPY

Growth inhibition of human osteosarcomas in nude mice by human interferon-alpha: significance of dose and tumor differentiation. Brosjö O, et al. **Cancer Res** 1987 Jan 1; 47(1):258–62

Phase II study of recombinant alfa-2a interferon in patients with advanced bone sarcomas. Edmonson JH, et al. **Cancer Treat Rep** 1987 Jul-Aug;71(7–8):747–8

An animal model for evaluation of antigen-specific dialyzable leukocyte extracts therapy of osteosarcoma. Tsang KY, et al. **Clin Immunol Immunopathol** 1987 Mar;42(3):360–9

Long-term evaluation of surgery followed by adjuvant adriamycin in osteogenic sarcoma. Gasparini M, et al. **Eur J Cancer Clin Oncol** 1987 Apr;23(4):433–6

In vitro thermochemotherapy of human osteosarcoma cells with cis-dichlorodiammineplatinum (II). Yamane T, et al. **Hiroshima J Med Sci** 1986 Sep;35(3):191–5

Osteosarcoma: state of the art. Sim FH, et al. **Minn Med** 1986 Aug;69(8):442–8 (34 ref.)

Conjugates of monoclonal antibody 791T/36 with methotrexate in cancer therapy. Baldwin RW, et al. **NCI Monogr** 1987;(3):95–9

Role of hyperthermic perfusion in the treatment of limb osteogenic sarcoma. Cavaliere R, et al. **Oncology** 1987; 44(1):1–5

Primary osteogenic sarcoma of the clavicle. A case report. Byrd T, et al. **Orthopedics** 1986 Dec;9(12):1717–20

Management of osteogenic sarcoma patients. Trapeznikov NN, et al. **Semin Surg Oncol** 1986;2(1):1–16

Osteogenic sarcoma of the mandible and maxilla. Maldonado AR, et al. **South Med J** 1986 Nov;79(11):1453–5

[Evolution of vital and functional prognosis in osteogenic sarcomas] Trifaud A. **Bull Acad Natl Med (Paris)** 1986 Oct; 170(7):881–6 (Eng. Abstr.) **(Fre)**

[Autologous bone marrow transplantation in osteosarcoma] Ohira M, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1438–43 (Eng. Abstr.) **(Jpn)**

[Recent advances in the treatment of childhood osteosarcoma: therapeutic modalities at the M.D. Anderson Hospital and Tumor Institute] Takaue Y, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):38–43 (Eng. Abstr.) **(Jpn)**

[Limb salvage in osteosarcoma. Significance of preoperative isolation perfusion chemotherapy] Takeyama S, et al. **Gan To Kagaku Ryoho** 1987 May;14(5 Pt 2):1399–404 (Eng. Abstr.) **(Jpn)**

[Acid phosphatase indices during irradiation, UHF hyperthermia and chemotherapy of osteogenic sarcoma in children and adolescents] Bizer VA, et al. **Med Radiol (Mosk)** 1986 Nov;31(11):69–70 **(Rus)**

[Experience with and outlook for the use of cisplatin in the combined therapy of osteogenic sarcoma] Trapeznikov NN, et al. **Vopr Onkol** 1987;33(7):65–74 (Eng. Abstr.) **(Rus)**

URINE

Effect of transplanted osteogenic sarcoma on urinary RNA catabolites. Lin W, et al. **Cancer Lett** 1987 Apr;35(1):47–57

VETERINARY

Focal and multifocal osteosarcoma in two foals. Livesey MA, et al. **Equine Vet J** 1986 Sep;18(5):407–10

Osteosarcoma in cats: 22 cases (1974–1984). Bitetto WV, et al. **J Am Vet Med Assoc** 1987 Jan 1;190(1):91–3

[Regional isolation perfusion with cisplatinum in dogs with osteosarcoma of an extremity] de Vries J, et al. **Tijdschr Diergeneeskd** 1987 Jul 1;112(13):779–88 (Eng. Abstr.) **(Dut)**

SARCOMA, RETICULUM CELL see **LYMPHOMA, HISTIOCYTIC**

SARCOMA, ROUS see **AVIAN SARCOMA**

SARCOMA, YOSHIDA

BLOOD

[Serum levels of sialoglycoproteins soluble in perchloric acid in rats with Yoshida's sarcoma] Osinaga E, et al. **Rev Esp Oncol** 1985;32(2):291–300 (Eng. Abstr.) **(Spa)**

METABOLISM

Endogenous protein inhibitor of mitochondrial c-AMP

phosphodiesterase in tumour bearing rats. Sankaran K. **Indian J Biochem Biophys** 1986 Apr;23(2):66–9

[Hormonal control of zinc uptake in tumor cells] Ujiie S, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):801–6 (Eng. Abstr.) **(Jpn)**

[Controlled release of adriamycin from silicone elastomer and its antitumor effects on Yoshida Sarcoma] Yanagiya K. **Kokubyo Gakkai Zasshi** 1986 Jun;53(2):386–405 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Distribution of 46Sc and 51Cr in tumor-bearing animals and the mechanism for accumulation in tumor and liver. Ando A, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):143–51

THERAPY

[Comparison of continuous venous infusion of 5-FU and FT-207 under total parenteral nutrition] Tane S, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(10):2947–53 (Eng. Abstr.) **(Jpn)**

SARCOMERES see under **MYOFIBRILS**

SARCOPLASMIC RETICULUM

ANALYSIS

Photolabeling of the integral proteins of skeletal muscle sarcoplasmic reticulum: comparison of junctional and nonjunctional membrane fractions. Volpe P, et al. **Arch Biochem Biophys** 1987 Feb 15;253(1):138–45

Isolated bovine myocardial sarcolemma and sarcoplasmic reticulum vesicles contain tightly bound calcium-dependent protease inhibitor. Mellgren RL, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1025–31

Ca2+-dependent ryanodine binding site: soluble preparation from rabbit cardiac sarcoplasmic reticulum. Seifert J, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):399–405

Histochemical study of calcium on T-tubule membranes and in the sarcoplasmic reticulum, in frog twitch muscle fibres at rest and during activity. Uhrik B, et al. **Histochemistry** 1987;86(3):305–10

Crystallization and preliminary x-ray investigation of sarcoplasmic calcium-binding protein from Nereis diversicolor. Babu YS, et al. **J Biol Chem** 1987 Aug 25; 262(24):11884–5

Electron probe analysis of calcium content and movements in sarcoplasmic reticulum, endoplasmic reticulum, mitochondria, and cytoplasm. Somlyo AP, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S42–7 (57 ref.)

Effect of age of winter flounder on some properties of the sarcoplasmic reticulum. Luo SW, et al. **Mech Ageing Dev** 1986 Aug;35(3):275–89

DRUG EFFECTS

Effects of local anesthetics on the passive permeability of sarcoplasmic reticulum vesicles to Ca2+ and Mg2+. Escudero B, et al. **Biochim Biophys Acta** 1987 Sep 3; 902(3):374–84

Structural aspects of ryanodine action and selectivity. Waterhouse AL, et al. **J Med Chem** 1987 Apr;30(4):710–6

Caffeine-induced calcium release from sarcoplasmic reticulum of a skeletal muscle. Sekiguchi T, et al. **J Pharmacobiodyn** 1987 Jan;10(1):55–62

ENZYMOLOGY

The density and disposition of Ca-ATPase in in situ and isolated sarcoplasmic reticulum. Franzini-Armstrong C, et al. **Ann NY Acad Sci** 1986;483:44–56

Image analysis of the Ca2+-ATPase from sarcoplasmic reticulum. Taylor KA, et al. **Ann NY Acad Sci** 1986; 483:31–43

Gel to liquid crystalline phase transition promotes a conformational reorganization of Ca2+, Mg2+-ATPase from sarcoplasmic reticulum in dimyristoylphosphatidylcholine reconstituted systems. Gutiérrez Merino C. **Arch Biochem Biophys** 1987 Jan; 252(1):303–14

Cooperative effects of Ca2+ and Sr2+ on sarcoplasmic reticulum adenosine triphosphatase. Holguín JA. **Arch Biochem Biophys** 1986 Nov 15;251(1):9–16

Identification of membrane-bound calcium, calmodulin-dependent protein kinase II in canine heart. Jett MF, et al. **Arch Biochem Biophys** 1987 Jun; 255(2):354–60

Mono(ADP-ribosyl)ation of Ca2+-dependent ATPase in rabbit skeletal muscle sarcoplasmic reticulum and the effect of poly L-lysine. Hara N, et al. **Biochem Biophys Res Commun** 1987 Apr 29;144(2):856–62

Rapid purification of phospholamban by monoclonal antibody immunoaffinity chromatography. Suzuki T, et al. **Biochem Cell Biol** 1987 Apr;65(4):302–9

Kinetic behaviour of acetylcholinesterase from muscle microsomal membranes. Muñoz-Delgado E, et al. **Biochem Int** 1986 Oct;13(4):625–32

Distances between the FITC-binding site in the (Ca2+ + Mg2+)-ATPase from sarcoplasmic reticulum and fluorescent probes located in the membrane. Teruel JA, et al. **Biochem Int** 1987 Mar;14(3):409–16

The E1——E2 transition of Ca2+-transporting ATPase in sarcoplasmic reticulum occurs without major changes in secondary structure. A circular-dichroism study. Csermely P, et al. **Biochem J** 1987 Feb 1;241(3):663–9

A kinetic model for the Ca2+ + Mg2+-activated ATPase of sarcoplasmic reticulum. Gould GW, et al. **Biochem J** 1986 Jul 1;237(1):217–27

Labeling of sarcoplasmic reticulum peptides with 32P-phosphate and fluorescein 5'-isothiocyanate. Georgoussi Z, et al. **Biochem Pharmacol** 1986 Dec 15; 35(24):4571–3

Characterization of detergent-solubilized sarcoplasmic reticulum Ca2+-ATPase by high-performance liquid chromatography. Andersen JP, et al. **Biochemistry** 1986 Oct 21;25(21):6439–47

Rapid filtration study of the phosphorylation-dependent dissociation of calcium from transport sites of purified sarcoplasmic reticulum ATPase and ATP modulation of the catalytic cycle. Champeil P, et al. **Biochemistry** 1986 Nov 18;25(23):7623–33

Transmembrane gradient and ligand-induced mechanisms of adenosine 5'-triphosphate synthesis by sarcoplasmic reticulum adenosinetriphosphatase. Fernandez-Belda F, et al. **Biochemistry** 1986 Dec 2;25(24):8083–9

Concerted phosphorylation of the 26-kilodalton phospholamban oligomer and of the low molecular weight phospholamban subunits [published erratum appears in Biochemistry 1987 Apr 21;26(8):2400] Gasser JT, et al. **Biochemistry** 1986 Nov 18;25(23):7615–23

Spatial organization of CaATPase molecules in sarcoplasmic reticulum vesicles. Highsmith S, et al. **Biochemistry** 1987 Jan 13;26(1):154–61

Effects of vanadate on the rotational dynamics of spin-labeled calcium adenosinetriphosphatase in sarcoplasmic reticulum membranes. Lewis SM, et al. **Biochemistry** 1986 Aug 12;25(16):4615–21

Phosphorylation of the calcium adenosinetriphosphatase of sarcoplasmic reticulum: rate-limiting conformational change followed by rapid phosphoryl transfer. Petithory JR, et al. **Biochemistry** 1986 Aug 12;25(16):4493–7

Phosphorylation of the sarcoplasmic calcium-activated adenosinetriphosphatase as studied by 31P nuclear magnetic resonance. Sontheimer GM, et al. **Biochemistry** 1987 May 19;26(10):2701–6

Simultaneous binding of calcium and vanadate to the Ca2+-ATPase of sarcoplasmic reticulum. Markus S, et al. **Biochim Biophys Acta** 1986 Nov 7;874(1):128–35

Derivative spectroscopy of tryptophan fluorescence used to study conformational transitions in the (Ca2+ + Mg2+)-adenosine triphosphatase of sarcoplasmic reticulum. Restall CJ, et al. **Biochim Biophys Acta** 1986 Dec 12;874(3):305–11

Oxidation of thiols in the Ca2+-ATPase of sarcoplasmic reticulum microsomes. Scherer NM, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):309–17

Distances between the functional sites of sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase and the lipid/water interface. Teruel JA, et al. **Biochim Biophys Acta** 1986 Dec 16;863(2):178–84

Kinetic characterization of an enzymatic irreversible inhibition measured in the presence of coupling enzymes. The inhibition of adenosine triphosphatase from sarcoplasmic reticulum by fluorescein isothiocyanate. Teruel JA, et al. **Biochim Biophys Acta** 1987 Jan 30; 911(2):256–60

Effect of chemical modification on the crystallization of Ca2+-ATPase in sarcoplasmic reticulum. Varga S, et al. **Biochim Biophys Acta** 1987 Jan 26;896(2):187–95

Characterization of CrATP-induced calcium occlusion in membrane-bound and soluble monomeric sarcoplasmic reticulum Ca2+-ATPase. Vilsen B, et al. **Biochim Biophys Acta** 1987 Apr 23;898(3):313–22

Librational motions of membrane-embedded Ca2+-ATPase of sarcoplasmic reticulum labeled with fluorescein isothiocyanate. Sassaroli M, et al. **Biophys Chem** 1986 Dec 31;25(3):283–6

Binding of Eu3+ to cardiac sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase-laser excited Eu3+ spectroscopic studies. Joshi NB, et al. **Biophys J** 1987 Feb;51(2):185–91

Excimer formation in pyrenemaleimide-labeled sarcoplasmic reticulum ATPase [letter] Lüdi H, et al. **Biophys J** 1987 Mar;51(3):513–5

Fluorescence energy transfer as an indicator of Ca2+-ATPase interactions in sarcoplasmic reticulum. Papp S, et al. **Biophys J** 1987 Feb;51(2):205–20

Distinguishing between functional monomeric and oligomeric complexes of the Ca,Mg-ATPase in sarcoplasmic reticulum. Briggs FN. **Cell Calcium** 1986 Aug; 7(4):249–60

Sarcoplasmic reticulum Ca2+-ATPase and acylphosphatase activities in muscle biopsies from patients with Duchenne muscular dystrophy. Landi N, et al. **Clin Chim Acta** 1986 Aug 15;158(3):245–51

Lipid-protein interactions and the function of the Ca2+-ATPase of sarcoplasmic reticulum. Hidalgo C. **CRC Crit Rev Biochem** 1987;21(4):319–47 (251 ref.)

Effects of arsenate on the Ca2+ ATPase of sarcoplasmic reticulum. Alves EW, et al. **Eur J Biochem** 1987 Aug 3; 166(3):647–51

Characterization of (Ca2+ + Mg2+)-ATPase of sarcoplasmic reticulum by laser-excited europium luminescence. Gangola P, et al. **Eur J Biochem** 1987 Jan 15;162(2):357–63

Reversible inhibition of sarcoplasmic reticulum Ca-ATPase by altered neuromuscular activity in rabbit fast-twitch muscle. Leberer E, et al. **Eur J Biochem** 1987 Feb 2; 162(3):555–61

The effect of monovalent and divalent cations on the ATP-dependent Ca2+-binding and phosphorylation during the reaction cycle of the sarcoplasmic reticulum Ca2+-transport ATPase. Medda P, et al. **Eur J Biochem** 1987 Jun 1;165(2):251–9

Sarcoplasmic reticulum ATPase in tibialis anterior muscle from rats with experimental myotonia. Ramírez BU. **Exp Neurol** 1986 Nov;94(2):449–53

Does intrinsic fluorescence reflect conformational changes in the Ca2+-ATPase of sarcoplasmic reticulum? Champeil P, et al. **FEBS Lett** 1986 Sep 29;206(1):93–8

Effect of temperature on Ca-ATPase from sarcoplasmic reticulum membranes: ESR studies. Rubtsov AM, et al. **Gen Physiol Biophys** 1986 Oct;5(5):551–61

Transbilayer distribution of phospholipid synthesizing enzymes in the sarcoplasmic reticulum membrane. Pikula S, et al. **Int J Biochem** 1986;18(11):1023–9

Properties and topology of enzymes methylating phosphatidylethanolamine to phosphatidylcholine in sarcoplasmic reticulum. Pilarska M, et al. **Int J Biochem** 1987;19(8):705–11

Chemical modification and fluorescence labeling study of Ca2+,Mg2+-adenosine triphosphatase of sarcoplasmic reticulum using iodoacetamide and its N-substituted derivatives. Baba A, et al. **J Biochem (Tokyo)** 1986 Nov; 100(5):1137–47

Limited tryptic digestion of Ca2+,Mg2+-adenosine triphosphatase of the sarcoplasmic reticulum: enzymatic properties of A1b + B complex. Imamura Y, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):133–41

Reactive sulfhydryl groups of sarcoplasmic reticulum ATPase. I. Location of a group which is most reactive with N-ethylmaleimide. Saito-Nakatsuka K, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):365–76

Sarcoplasmic reticulum Ca-ATPase: distinction of phosphoenzymes formed from MgATP and CaATP as substrates and interconversion of the phosphoenzymes by Mg2+ and Ca2+. Yamada S, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1329–42

Reactive sulfhydryl groups of sarcoplasmic reticulum ATPase. II. Site of labeling with iodoacetamide and its fluorescent derivative. Yamashita T, et al. **J Biochem (Tokyo)** 1987 Feb;101(2):377–85

The influence of calcium pump coupling on the Arrhenius behavior of sarcoplasmic reticulum Ca2+-ATPase. King MD, et al. **J Bioenerg Biomembr** 1987 Feb;19(1):45–52

Mechanistic origin of the kinetic cooperativity for the ATPase activity of sarcoplasmic reticulum. Teruel JA, et al. **J Bioenerg Biomembr** 1987 Aug;19(4):383–96

Effect of compound 48/80 and ruthenium red on the Ca2+-ATPase of sarcoplasmic reticulum. Alves EW, et al. **J Biol Chem** 1986 Dec 25;261(36):16854–9

Infrared spectroscopic characterization of the structural changes connected with the E1——E2 transition in the Ca2+-ATPase of sarcoplasmic reticulum. Arrondo JL, et al. **J Biol Chem** 1987 Jul 5;262(19):9037–43

Absorbance and fluorescence properties of 2'(3')-O-(2,4,6-trinitrophenyl)adenosine 5'-triphosphate bound to coupled and uncoupled Ca2+-ATPase of skeletal muscle sarcoplasmic reticulum. Berman MC. **J Biol Chem** 1986 Dec 15;261(35):16494–501

Adult forms of the Ca2+ATPase of sarcoplasmic reticulum. Expression in developing skeletal muscle. Brandl CJ, et al. **J Biol Chem** 1987 Mar 15;262(8):3768–74

The hydrolytic cycle of sarcoplasmic reticulum Ca2+-ATPase in the absence of calcium. Carvalho-Alves PC, et al. **J Biol Chem** 1987 May 15;262(14):6610–4

Kinetic characterization of the normal and detergent-perturbed reaction cycles of the sarcoplasmic reticulum calcium pump. Rate-limiting step(s) under different conditions. Champeil P, et al. **J Biol Chem** 1986 Dec 15;261(35):16372–84

Phosphoenzyme conformational states and nucleotide-binding site hydrophobicity following thiol modification of the Ca2+-ATPase of sarcoplasmic reticulum from skeletal muscle. Davidson GA, et al. **J Biol Chem** 1987 May 25;262(15):7041–6

Crystallization of Ca2+-ATPase in detergent-solubilized sarcoplasmic reticulum. Dux L, et al. **J Biol Chem** 1987 May 15;262(14):6439–42

Selective inhibition by ionophore A23187 of the enzyme isomerization in the catalytic cycle of sarcoplasmic reticulum Ca2+-ATPase. Hara H, et al. **J Biol Chem** 1986 Dec 15;261(35):16584–90

4',6-Diamidino-2-phenylindole, a novel conformational probe of the sarcoplasmic reticulum Ca2+ pump, and its effect on Ca2+ release. Mészáros LG, et al. **J Biol Chem** 1987 Aug 25;262(24):11553–8

Intramolecular cross-linking of domains at the active site links A1 and B subfragments of the Ca2+-ATPase of sarcoplasmic reticulum. Ross DC, et al. **J Biol Chem** 1987 Feb 15;262(5):2042–9

Localization of site-specific probes on the Ca-ATPase of sarcoplasmic reticulum using fluorescence energy transfer. Squier TC, et al. **J Biol Chem** 1987 Apr 5;262(10):4748–54

Pressure effects on sarcoplasmic reticulum. Varga S, et al. **J Biol Chem** 1986 Oct 25;261(30):13943–56

Modulation of the hydrolysis rate of the ADP-insensitive phosphoenzyme of the sarcoplasmic reticulum ATPase by

H+ and Mg2+. Wakabayashi S, et al. **J Biol Chem** 1987 Jul 5;262(19):9121–9

Effect of metal bound to the substrate site on calcium release from the phosphoenzyme intermediate of sarcoplasmic reticulum ATPase. Wakabayashi S, et al. **J Biol Chem** 1987 Aug 25;262(24):11524–31

Common structural domains in the sarcoplasmic reticulum Ca-ATPase and the transverse tubule Mg-ATPase. Damiani E, et al. **J Cell Biol** 1987 Mar;104(3):461–72

Adenylate cyclase in sarcoplasmic reticulum of skeletal muscle: distribution, orientation, and regulation. Nakagawa M, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1986; 11(4):237–51

Localization of E1–E2 conformational transitions of sarcoplasmic reticulum Ca-ATPase by tryptic cleavage and hydrophobic labeling. Andersen JP, et al. **J Membr Biol** 1986;93(1):85–92

Electron microscopic analysis of two-dimensional crystals of the Ca2+-transport ATPase—a freeze-fracture study. Ting-Beall HP, et al. **J Muscle Res Cell Motil** 1987 Jun; 8(3):252–9

Degradation of the cardiac sarcoplasmic reticulum in acute myocardial ischemia. Konno N, et al. **Jpn Circ J** 1987 Apr; 51(4):411–20

Comparison of ATP-dependent calcium transport and calcium-activated ATPase activities of cardiac sarcoplasmic reticulum and sarcolemma from rats of various ages. Narayanan N. **Mech Ageing Dev** 1987 Apr; 38(2):127–43

LY195115: a potent, selective inhibitor of cyclic nucleotide phosphodiesterase located in the sarcoplasmic reticulum. Kauffman RF, et al. **Mol Pharmacol** 1986 Dec;30(6):609–16

Structure of Ca2+-ATPase in sarcoplasmic reticulum. Martonosi A, et al. **Soc Gen Physiol Ser** 1987;41:257–86

Pressure effects on the interactions of the sarcoplasmic reticulum calcium transport enzyme with calcium and para-nitrophenyl phosphate. Hasselbach W, et al. **Z Naturforsch [C]** 1987 May;42(5):641–52

[Localization of tryptophan residues in Ca2+-ATPase from sarcoplasmic reticulum] Kotel'nikova RA, et al. **Biofizika** 1987 May-Jun;32(3):420–3 (Eng. Abstr.) **(Rus)**

[Effect of corticotropin and hydrocortisone on the Ca2+-ATPase activity of skeletal muscle sarcoplasmic reticulum] Korkach VI, et al. **Biull Eksp Biol Med** 1987 Aug;104(8):174–6 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation as a major factor in the modification of the catalytic function of Ca-ATPase of the sarcoplasmic reticulum in hypercholesterolemia] Tverdislova IL, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):415–8 (Eng. Abstr.) **(Rus)**

[Temperature-dependence of activity and thermoinactivation of Ca2+-ATPase of sarcoplasmic reticulum in different lipid environments] Buldygerova NV, et al. **Dokl Akad Nauk SSSR** 1986;291(3):724–7 **(Rus)**

[Sarcoplasmic (Mg2+ + Ca2+)-ATPase in the skeletal muscles and its biochemical properties] Lehotský J, et al. **Bratisl Lek Listy** 1987 Apr;87(4):486–96 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Monoclonal antibodies to dog heart sarcoplasmic reticulum. Antibodies that inhibit Ca2+-pump systems of cardiac and skeletal muscles. Levitsky DO, et al. **Eur J Biochem** 1987 Apr 15;164(2):477–84

Monoclonal antibody specific for the transverse tubular membrane of skeletal muscle activates the dihydropyridine-sensitive Ca2+ channel. Malouf NN, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5019–23

METABOLISM

Ryanodine and the calcium content of cardiac SR assessed by caffeine and rapid cooling contractures. Bers DM. **Am J Physiol** 1987 Sep;253(3 Pt 1):C408–15

Calcium pump activity of sarcoplasmic reticulum in diabetic rat skeletal muscle. Ganguly PK, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):E515–23

The calcium-sensitive dye arsenazo III inhibits calcium transport and ATP hydrolysis by the sarcoplasmic reticulum calcium pump. Riollet S, et al. **Anal Biochem** 1987 Apr;162(1):160–2

The effect of volatile anesthetics on the pH dependence of calcium uptake by cardiac sarcoplasmic reticulum. Casella ES, et al. **Anesthesiology** 1987 Sep;67(3):386–90

Calmodulin participation in oxygen radical-induced cardiac sarcoplasmic reticulum calcium uptake reduction. Okabe E, et al. **Arch Biochem Biophys** 1987 Jun;255(2):464–8

Apparent cooperativity of Ca2+ binding associated with crystallization of Ca2+-binding protein from sarcoplasmic reticulum. Tanaka M, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):369–78

Evidence for a junctional feet-ryanodine receptor complex from sarcoplasmic reticulum. Lai FA, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):704–9

The binding of Ca2+ to Ca2+-transporting microsomes derived from bovine uterine sarcoplasmic reticulum. Miller JD, et al. **Biochem Biophys Res Commun** 1987 Aug 31; 147(1):13–7

Determination of the rate of rapid pH equilibration across isolated sarcoplasmic reticulum membranes. Nunogaki K, et al. **Biochem Biophys Res Commun** 1986 Nov 14; 140(3):934–40

GTP requirement for inositol-1,4,5-trisphosphate-induced Ca2+ release from sarcoplasmic reticulum in smooth muscle. Saida K, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1313–6

Effect of guanosine triphosphate on the release and uptake of Ca2+ in saponin-permeabilized macrophages and the skeletal-muscle sarcoplasmic reticulum. Hamachi T, et al. **Biochem J** 1987 Feb 15;242(1):253–60

Chemical modification of sarcoplasmic reticulum with methylbenzimidate. Stimulation of Ca2+ efflux. Shoshan-Barmatz V. **Biochem J** 1987 Apr 1;243(1):165–73

Chemical modification of sarcoplasmic reticulum. Stimulation of Ca2+ release. Shoshan-Barmatz V. **Biochem J** 1986 Dec 1;240(2):509–17

Effect of mononuclear cell factors on calcium transport in sarcoplasmic reticulum vesicles. Kalovidouris AE. **Biochem Med Metab Biol** 1986 Oct;36(2):162–71

Effect of short-chain primary alcohols on fluidity and activity of sarcoplasmic reticulum membranes. Almeida LM, et al. **Biochemistry** 1986 Aug 26;25(17):4832–9

Functional characterization of junctional terminal cisternae from mammalian fast skeletal muscle sarcoplasmic reticulum. Chu A, et al. **Biochemistry** 1986 Dec 16; 25(25):8315–24

Proteolytic activation of the canine cardiac sarcoplasmic reticulum calcium pump. Kirchberger MA, et al. **Biochemistry** 1986 Sep 23;25(19):5484–92

Target size of the ryanodine receptor from junctional terminal cisternae of sarcoplasmic reticulum. McGrew SG, et al. **Biochemistry** 1987 Jun 2;26(11):3183–7

The interaction of calcium and ryanodine with cardiac sarcoplasmic reticulum. Alderson BH, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):221–9

Enhanced Ca2+-induced calcium release by isolated sarcoplasmic reticulum vesicles from malignant hyperthermia susceptible pig muscle. Mickelson JR, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):318–28

Effects of halothane, caffeine, dantrolene and tetracaine on the calcium permeability of skeletal sarcoplasmic reticulum of malignant hyperthermic pigs. Ohnishi ST. **Biochim Biophys Acta** 1987 Feb 26;897(2):261–8

Effects of hypothyroidism on the distribution and fatty acyl composition of phospholipids in sarcoplasmic reticulum of fast skeletal muscle of the rat. Simonides WS, et al. **Biochim Biophys Acta** 1987 Apr 16;924(1):204–9

Oxalate, calcium uptake and ATPase activity of sarcoplasmic reticulum vesicles. Kim YS, et al. **Bioinorg Chem** 1976; 6(4):329–39

Calcium release from the sarcoplasmic reticulum [letter] Stephenson DG. **Biophys J** 1987 Jun;51(6):1005–10

Role of sarcoplasmic reticulum in digitalis-induced electrical and mechanical oscillations in the heart. Chan TL, et al. **Can J Cardiol** 1987 May;3(4):197–204

Altered calcium uptake by the sarcoplasmic reticulum following cardiac transplantation in humans. Limas CJ, et al. **Can J Cardiol** 1987 Jun-Aug;3(5):215–9

Impairment of mitochondrial and sarcoplasmic reticular functions during the development of heart failure in cardiomyopathic (UM-X7.1) hamsters. Panagia V, et al. **Can J Cardiol** 1986 Jul-Aug;2(4):236–47

Chemical modification of calcium release from the sarcoplasmic reticulum of mechanically skinned skeletal bullfrog muscle fibers. Aoki T, et al. **Can J Physiol Pharmacol** 1986 Oct;64(10):1267–71

Inositol 1,4,5-trisphosphate-induced Ca2+ release from the sarcoplasmic reticulum and contraction in crustacean muscle. Rojas E, et al. **Can J Physiol Pharmacol** 1987 Apr; 65(4):672–80

Inhibition of beta-adrenergic stimulated calcium pump of rat cardiac sarcoplasmic reticulum by tricyclohexyltin hydroxide. Sahib IK, et al. **Cell Biochem Funct** 1987 Apr; 5(2):149–54

Electron probe x-ray microanalysis of sarcolemma and junctional sarcoplasmic reticulum in rabbit papillary muscles: low sodium-induced calcium alterations. Wheeler-Clark ES, et al. **Circ Res** 1987 Feb;60(2):246–50

Characterization of heart cytosolic proteins capable of modulating calcium uptake by the sarcoplasmic reticulum. 1. Isolation of a protein with protective activity and its identification as muscle albumin. Chiesi M, et al. **Eur J Biochem** 1987 Jan 15;162(2):365–70

Characterization of heart cytosolic proteins capable of modulating calcium uptake by the sarcoplasmic reticulum. 2. Identification of actin isoforms with inhibitory activity. Chiesi M, et al. **Eur J Biochem** 1987 Jan 15;162(2):371–7

Dihydropyridine sites separate from junctional sacroplasmic reticulum in hypertension. Brandt N, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):265–8

Activation and inhibition of the calcium gate of sarcoplasmic reticulum by high-affinity ryanodine binding. Hasselbach W, et al. **FEBS Lett** 1987 Aug 31;221(1):119–23

Rapid filtration measurements of Ca2+ release from cisternal sarcoplasmic reticulum vesicles. Sumbilla C, et al. **FEBS Lett** 1987 Jan 1;210(1):31–6

Distribution of sarcoplasmic reticulum Ca-ATPase and of calsequestrin in rabbit and rat skeletal muscle fibers. Maier A, et al. **Histochemistry** 1986;86(1):63–9

Transient kinetics of formation of phosphorylated intermediate (EP) by fragmented sarcoplasmic reticulum from bullfrog skeletal muscle: ligand addition sequence-dependent rate of EP formation. Ogawa Y, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1319–28

Cooperative interaction between Ca2+ and beta,gamma-methylene adenosine triphosphate in their binding to fragmented sarcoplasmic reticulum from bullfrog skeletal muscle. Ogawa Y, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1305–18

Relationship of the regulatory nucleotide site to the catalytic site of the sarcoplasmic reticulum Ca2+-ATPase. Bishop JE, et al. **J Biol Chem** 1987 Apr 5;262(10):4658–63

Identification and characterization of the high affinity [3H]ryanodine receptor of the junctional sarcoplasmic reticulum Ca2+ release channel. Campbell KP, et al. **J Biol Chem** 1987 May 15;262(14):6460–3

Silver ions trigger Ca2+ release by interaction with the (Ca2+-Mg2+)-ATPase in reconstituted systems. Gould GW, et al. **J Biol Chem** 1987 Jun 5;262(16):7676–9

The effects of ryanodine on passive calcium fluxes across sarcoplasmic reticulum membranes. Lattanzio FA Jr, et al. **J Biol Chem** 1987 Feb 25;262(6):2711–8

Developmental changes in cardiac sarcoplasmic reticulum in sheep. Mahony L, et al. **J Biol Chem** 1986 Nov 15; 261(32):15257–65

Rapid calcium release from cardiac sarcoplasmic reticulum vesicles is dependent on Ca2+ and is modulated by Mg2+, adenine nucleotide, and calmodulin. Meissner G, et al. **J Biol Chem** 1987 Mar 5;262(7):3065–73

Drug-induced Ca2+ release from isolated sarcoplasmic reticulum. I. Use of pyrophosphate to study caffeine-induced Ca2+ release. Palade P. **J Biol Chem** 1987 May 5;262(13):6135–41

Drug-induced Ca2+ release from isolated sarcoplasmic reticulum. III. Block of Ca2+-induced Ca2+ release by organic polyamines. Palade P. **J Biol Chem** 1987 May 5; 262(13):6149–54

Drug-induced Ca2+ release from isolated sarcoplasmic reticulum. II. Releases involving a Ca2+-induced Ca2+ release channel. Palade P. **J Biol Chem** 1987 May 5; 262(13):6142–8

Tryptic digestion of sarcoplasmic reticulum inhibits Ca2+ accumulation by action on a membrane component other than the Ca2+-ATPase. Shoshan-Barmatz V, et al. **J Biol Chem** 1987 Aug 25;262(24):11559–64

Sulfhydryl oxidation induces rapid calcium release from sarcoplasmic reticulum vesicles. Trimm JL, et al. **J Biol Chem** 1986 Dec 5;261(34):16092–8

The secondary structure of calcium pump protein in light sarcoplasmic reticulum and reconstituted in a single lipid component as determined by Raman spectroscopy. Williams RW, et al. **J Biol Chem** 1986 Nov 5; 261(31):14520–4

Direct photoaffinity labeling of junctional sarcoplasmic reticulum with [14C]doxorubicin. Zorzato F, et al. **J Biol Chem** 1986 Oct 5;261(28):13252–7

Calcium efflux from sarcoplasmic reticulum microsomes due to oxidation and sulfhydryl-binding agents. Scherer NM, et al. **J Free Radic Biol Med** 1986;2(4):249–54

Calcium- and voltage-activated plateau currents of cardiac Purkinje fibers. Kenyon JL, et al. **J Gen Physiol** 1987 Jun; 89(6):921–58

Single channel measurements of the calcium release channel from skeletal muscle sarcoplasmic reticulum. Activation by Ca2+ and ATP and modulation by Mg2+. Smith JS, et al. **J Gen Physiol** 1986 Nov;88(5):573–88

Immunoelectron microscopic localization of sarcoplasmic reticulum proteins in cryofixed, freeze-dried, and low temperature-embedded tissue. Jorgensen AO, et al. **J Histochem Cytochem** 1987 Jul;35(7):723–32

Mobilization of intracellular calcium from the sarcoplasmic reticulum of B-lymphocytes using cyclic guanosine 3'5'-monophosphate (cGMP). Dontsov VI. **J Hyg Epidemiol Microbiol Immunol** 1986;30(3):295–9

Comparison of Ca++ uptake and spontaneous Ca++ release from sarcoplasmic reticulum vesicles isolated from muscle of malignant hyperthermia diagnostic patients. Nelson TE, et al. **J Pharmacol Exp Ther** 1987 Mar; 240(3):785–8

Ryanodine: antithetical calcium channel effects in skeletal muscle sarcoplasmic reticulum. Nelson TE. **J Pharmacol Exp Ther** 1987 Jul;242(1):56–61

Equilibrium and steady state thermodynamics of active transport systems studied on simple models simulating Ca2+ transport through sarcoplasmic reticulum membranes. Alonso GL, et al. **J Theor Biol** 1986 May 21; 120(2):191–203

Phospholamban involvement in the maintenance of basal calcium transport in cardiac sarcoplasmic reticulum. Ambudkar IS, et al. **Membr Biochem** 1986;6(4):327–46

Mechanism of inhibition of calcium uptake into sarcoplasmic reticulum by notexin, a neurotoxic and myotoxic polypeptide. Helmke S, et al. **Membr Biochem** 1986; 6(3):239–53

Charge changes in sarcoplasmic reticulum and Ca2+-ATPase induced by calcium binding and release: a study using lipophilic ions. Levitsky DO, et al. **Membr Biochem** 1986;6(4):291–307 (40 ref.)

Measurement of calcium release from sarcoplasmic reticulum of skeletal muscle: effect of calcium and inositol 1,4,5-trisphosphate. Volpe P, et al. **Methods Enzymol** 1987; 141:3–18

Ca2+-activated ryanodine binding: mechanisms of sensitivity and intensity modulation by Mg2+, caffeine, and adenine nucleotides. Pessah IN, et al. **Mol Pharmacol** 1987 Mar;31(3):232–8

Deficient function of the sarcoplasmic reticulum in patients susceptible to malignant hyperthermia. Condrescu M, et al. **Muscle Nerve** 1987 Mar-Apr;10(3):238-41

Solubilisation and reconstitution of the rabbit skeletal muscle sarcoplasmic reticulum K+ channel into liposomes suitable for patch clamp studies. Toonliss B, et al. **Pflugers Arch** 1986 Sep;407(3):341-7

Computer modeling of Ca2+ pump function of Ca2+-Mg2+-ATPase of sarcoplasmic reticulum. Haynes DH, et al. **Physiol Rev** 1987 Jan;67(1):244-84

Characterization of partial reactions in the catalytic and transport cycle of sarcoplasmic reticulum ATPase. Inesi G. **Soc Gen Physiol Ser** 1987;41:231-55

["Contractile" calcium and relation between the sarcoplasmic reticulum and the T-system in the myocardium and skeletal muscle] Orlov VS. **Biofizika** 1986 Nov-Dec;31(6):1033-8 (Eng. Abstr.) **(Rus)**

[Muscle dipeptides--natural inhibitors of lipid peroxidation] Dupin AM, et al. **Biokhimiia** 1987 May;52(5):782-7 (Eng. Abstr.) **(Rus)**

[Release of Ca2+ ions from the sarcoplasmic reticulum of skeletal muscle induced by heparin. Relation between the Ca2+ release caused by Ca2+ ions and caffeine] Men'shikova EV, et al. **Biokhimiia** 1986 Oct;51(10):1696-701 (Eng. Abstr.) **(Rus)**

[Antioxidants--stabilizers of the Ca2+ transport enzyme system in sarcoplasmic reticulum membranes in vivo] **Kagan VE, et al. Biull Eksp Biol Med** 1986 Nov;102(11):552-4 (Eng. Abstr.) **(Rus)**

[Reduction of the functional activity of the calcium pump of the sarcoplasmic reticulum of skeletal muscles in response to cold] Medvedev LN, et al. **Fiziol Zh SSSR** 1987 Jun;73(6):745-9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ultrastructural changes in the sarcoplasmic reticulum in acute myocardial ischemia. Akiyama K, et al. **Jpn Circ J** 1986 Sep;50(9):829-38

PHYSIOLOGY

Sarcoplasmic reticulum dysfunction: phospholipid alterations induced by lysosomal phospholipase C. Franson R, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H1017-23

Cardiac relaxation: load sensitivity and sarcoplasmic reticulum [letter] Lecarpentier V, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1284-6

Electrical pump currents generated by the Ca2+-ATPase of sarcoplasmic reticulum vesicles adsorbed on black lipid membranes. Hartung K, et al. **Biochim Biophys Acta** 1987 Jun 30;900(2):209-20

The effect of stretch on sarcoplasmic free calcium of frog skeletal muscle at rest. Snowdowne KW. **Biochim Biophys Acta** 1986 Nov 17;862(2):441-4

A general procedure for determining the rate of calcium release from the sarcoplasmic reticulum in skeletal muscle fibers. Melzer W, et al. **Biophys J** 1987 Jun;51(6):849-63

Single channel and 45Ca2+ flux measurements of the cardiac sarcoplasmic reticulum calcium channel. Rousseau E, et al. **Biophys J** 1986 Nov;50(5):1009-14

Single-channel calcium and barium currents of large and small conductance from sarcoplasmic reticulum. Smith JS, et al. **Biophys J** 1986 Nov;50(5):921-8

Sarcoplasmic reticulum membrane and heart development. Michalak M. **Can J Cardiol** 1987 Jun-Aug;3(5):251-60

The role of superficial SR in modulating force development induced by Ca entry into arterial smooth muscle. van Breemen C, et al. **J Cardiovasc Pharmacol** 1986;8 Suppl 8:S111-6

Abnormal pacemaking is modulated by sarcoplasmic reticulum in partially-depolarized myocardium from dilated right atria in humans. Escande D, et al. **J Mol Cell Cardiol** 1987 Mar;19(3):231-41

Docosahexaenoate-containing phospholipids in sarcoplasmic reticulum and retinal photoreceptors. A proposal for a role in Ca2+-ATPase calcium transport. Infante JP. **Mol Cell Biochem** 1987 Apr;74(2):111-6

Ca2+-movements in muscle modulated by the state of K+-channels in the sarcoplasmic reticulum membranes. Fink RH, et al. **Pflugers Arch** 1987 Aug;409(4-5):374-80

Single calcium channels in native sarcoplasmic reticulum membranes from skeletal muscle. Suarez-Isla BA, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7741-5

SECRETION

Failure of inositol 1,4,5-trisphosphate to elicit or potentiate Ca2+ release from isolated skeletal muscle sarcoplasmic reticulum. Mikos GJ, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):256-60

ULTRASTRUCTURE

Differentiation of sarcoplasmic reticulum during cardiac myogenesis. Pegg W, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H22-31

Three-dimensional architecture of sarcoplasmic reticulum and T-system in human skeletal muscle. Hayashi K, et al. **Anat Rec** 1987 Jul;218(3):275-83

Resolution of sarcolemma and sarcoplasmic reticulum in electron-probe X ray microanalysis of cardiac muscle. Tormey JM, et al. **Ann NY Acad Sci** 1986;483:260-9

Isolation of transverse tubules by fractionation of sarcoplasmic reticulum preparations in ion-free sucrose density gradients. Horgan DJ, et al. **Arch Biochem Biophys** 1987 Mar;253(2):377-87

Morphological characteristics of the motor endplate myopathy observed in the soleplate sarcoplasm after chronic neostigmine treatment. Kawabuchi M, et al. **Fukuoka Igaku Zasshi** 1986 Dec;77(12):657-67

Disintegration of junctional feet in crayfish muscle fibres kept in vitro. Uhrik B, et al. **Gen Physiol Biophys** 1986 Feb;5(1):109-12

Purification of the ryanodine receptor and identity with feet structures of junctional terminal cisternae of sarcoplasmic reticulum from fast skeletal muscle. Inui M, et al. **J Biol Chem** 1987 Feb 5;262(4):1740-7

The structure of calsequestrin in triads of vertebrate skeletal muscle: a deep-etch study. Franzini-Armstrong C, et al. **J Cell Biol** 1987 Jul;105(1):49-56

Ultrastructural aspects of membrane transport. Deamer DW. **J Reprod Fertil [Suppl]** 1970;10:51-3

A freeze-fracture study of extensor digitorum longus and soleus muscle fibers from thyrotoxic rats. Dulhunty AF. **J Ultrastruct Mol Struct Res** 1986 Feb;94(2):121-30

The remotor muscle of the lobster antenna: sarcoplasmic reticulum and skinned fiber experiments. Villaz M, et al. **Tissue Cell** 1987;19(1):135-43

SARCOPTES SCABIEI

PHYSIOLOGY

Survival of Sarcoptes scabiei (De Geer) stored in three media at three temperatures. Davis DP, et al. **J Parasitol** 1987 Jun;73(3):661-2

[Biological behavior of Sarcoptes scabiei var. suis in swine epidermis. A scanning electron microscopy study in hyperkeratotic (or Norwegian) scabies of swine] Van Neste D, et al. **Ann Dermatol Venereol** 1986;113(5):435-40 (Eng. Abstr.) **(Fre)**

SARCOSINE

ANALOGS & DERIVATIVES

Suppression of murine IgE responses with amino acid polymer/allergen conjugates. V. By intranasal administration [published erratum appears in Int Arch Allergy Appl Immunol 1987;83(1):112] Henderson DC, et al. **Int Arch Allergy Appl Immunol** 1987;82(2):208-11

Suppression of murine IgE responses with amino acid polymer/allergen conjugates. IV. Suppressive activities in established IgE model systems. Moran DM, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):357-62

Lauroyl sarcosine: a weak cation-exchange reagent for on-column modification of reversed-phase material. Mefford IN. **J Chromatogr** 1987 May 1;393(3):441-6

BLOOD

A patient with sarcosinaemia. van Sprang FJ, et al. **J Inherited Metab Dis** 1986;9(4):404-5

METABOLISM

Degradation of glyphosate by Pseudomonas sp. PG2982 via a sarcosine intermediate. Kishore GM, et al. **J Biol Chem** 1987 Sep 5;262(25):12164-8

1-SARCOSINE-8-ALANINE ANGIOTENSIN II see **SARALASIN**

1-SARCOSINE-8-ISOLEUCINE ANGIOTENSIN II see under **ANGIOTENSIN II**

SARCOSOMES see **MITOCHONDRIA, MUSCLE**

SARCOSPORIDIA

ANALYSIS

Biochemical and histochemical studies of the sarcocyst of Sarcocystis fusiformis of buffalo Bubalus bubalis. Chaudhry RK, et al. **Vet Parasitol** 1986 Oct;21(4):271-3

CLASSIFICATION

Reptiles as intermediate and/or final hosts of Sarcosporidia. Matuschka FR. **Parasitol Res** 1987;73(1):22-32

ENZYMOLOGY

Studies on the enzymes of Sarcocystis suicanis: purification and characterization of an acid phosphatase. Farooqui AA, et al. **J Parasitol** 1987 Aug;73(4):681-8

GROWTH & DEVELOPMENT

In vitro cultivation of meronts of Sarcocystis cruzi. Speer CA, et al. **J Parasitol** 1986 Oct;72(5):677-83

In vitro cultivation of the vascular phase of Sarcocystis capracanis and Sarcocystis tenella. Speer CA, et al. **J Protozool** 1986 Nov;33(4):486-90

Experimental transmission of Sarcocystis muriviperae n. sp. to laboratory mice by sporocysts from the Palestinian viper (Vipera palaestinae): a light and electron microscope study. Matuschka FR, et al. **Parasitol Res** 1987;73(1):33-40

Experimental infection with Sarcocystis medusiformis in sheep. Obendorf DL, et al. **Vet Parasitol** 1987 Apr;24(1-2):59-65

[Light optical and electron microscopy research on the cyst-forming coccidium Sarcocystis muris] Radchenko AI. **Tsitologiia** 1986 Nov;28(11):1165-71 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Evaluation of an enzyme immunoassay for the detection of antibodies against Sarcocystis spp. in naturally infected cattle in China. Shi LZ, et al. **Vet Parasitol** 1987 May;24(3-4):185-94

Experimental microcyst sarcocystis infection in lambs: serology and immunohistochemistry. Smith TS, et al. **Vet Rec** 1986 Nov 29;119(22):547-50

[Differentiation of Sarcocystis muris and S. dispersa infections of the mouse using isoelectric focusing and immune assays] Reiter I, et al. **DTW** 1986 Oct 8;93(9):433-7 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Biochemical characterization for identification of ovine sarcosporidia. Ford GE. **Aust J Biol Sci** 1986;39(1):31-6

Sarcocystis mucosa (Blanchard 1885) Labbé 1889 in unadorned rock wallabies (Petrogale assimilis) and Bennett's wallabies (Macropus rufogriseus). O'Donoghue PJ, et al. **Parasitol Res** 1987;73(2):113-20

PHYSIOLOGY

Extracts from Sarcocystis gigantea macrocysts are mitogenic for human blood lymphocytes. Tietz HJ, et al. **Angew Parasitol** 1986 Nov;27(4):201-6

In vitro excystation of Sarcocystis capracanis, Sarcocystis cruzi and Sarcocystis tenella (Apicomplexa). Cawthorn RJ, et al. **J Parasitol** 1986 Dec;72(6):880-4

ULTRASTRUCTURE

Scanning electron microscopy of the sarcocysts of six species of Sarcocystis from reindeer (Rangifer tarandus tarandus). Gjerde B. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Oct;94(5):309-17

Immunoelectron microscopic demonstration of the exocytosis of dense granule contents into the secondary parasitophorous vacuole of Sarcocystis muris (Protozoa, Apicomplexa). Entzeroth R, et al. **Eur J Cell Biol** 1986 Aug;41(2):182-8

In vitro excystation and structure of Sarcocystis suicanis Erber, 1977, sporocysts. Strohlein DA, et al. **J Parasitol** 1986 Oct;72(5):711-5

Ultrastructure of Sarcocystis spp. (Protozoa: Apicomplexa) in rodents from North Sulawesi and West Java, Indonesia. O'Donoghue PJ, et al. **J Wildl Dis** 1987 Apr;23(2):225-32

The structure and identity of macroscopically visible Sarcocystis cysts in cattle. Böttner A, et al. **Vet Parasitol** 1987 Apr;24(1-2):35-45

The prevalence and identity of Sarcocystis in beef cattle in New Zealand. Böttner A, et al. **Vet Parasitol** 1987 May;24(3-4):157-68

Ultrastructure of Sarcocystis spp. from donkeys (Equus asinus) in Egypt. Hilali M, et al. **Vet Parasitol** 1987 Feb;23(3-4):179-83

[Sarcocystis alceslatrans (Apicomplexa) from a palaearctic elk (Ruminantia)] Sedlaczek J, et al. **Angew Parasitol** 1986 Aug;27(3):137-44 (Eng. Abstr.) **(Ger)**

[Electron microscopic study of the process of intermediate cell division in the cyst of the coccidian Sarcocystis muris] Radchenko AI. **Tsitologiia** 1987 Apr;29(4):404-9 (Eng. Abstr.) **(Rus)**

SARCOSPORIDIOSIS

DIAGNOSIS

Misdiagnosis of sarcocystosis as giardiasis [letter] Bush JB, et al. **S Afr Med J** 1986 Sep 27;70(7):436

DRUG THERAPY

[Clinical analysis and treatment of 55 cases of intestinal sarcosporidiosis] Li WT, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):47-9 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Sarcocystis infection in man (a case report). Lele VR, et al. **Indian J Pathol Microbiol** 1986 Jan;29(1):87-90

Pathogenesis of Sarcocystis falcatula in the budgerigar. I. Early pulmonary schizogony. Smith JH, et al. **Lab Invest** 1987 Jan;56(1):60-71

Pathogenesis of Sarcocystis falcatula in the budgerigar. II. Pulmonary pathology. Smith JH, et al. **Lab Invest** 1987 Jan;56(1):72-84

TRANSMISSION

[Experimental infection of Sarcocystis suihominis in pigs] Lian ZQ, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):51-2 (Eng. Abstr.) **(Chi)**

VETERINARY

Biochemical characterization for identification of ovine sarcosporidia. Ford GE. **Aust J Biol Sci** 1986;39(1):31–6
The prevalence and intensity of Sarcocystis spp infections in sheep. O'Donoghue PJ, et al. **Aust Vet J** 1986 Sep; 63(9):273–8
Control of non-vector-borne protozoa. Rommel M. **Int J Parasitol** 1987 Feb;17(2):639–47 (95 ref.)
Encephalitis caused by a Sarcocystis-like organism in a steer. Dubey JP, et al. **J Am Vet Med Assoc** 1987 Jul 15; 191(2):231–2
Experimental ovine sarcocystosis: sequential ultrastructural pathology in skeletal muscle. O'Toole D. **J Comp Pathol** 1987 Jan;97(1):51–60
Effects of the protozoan parasite Sarcocystis rauschorum on open-field behaviour of its intermediate vertebrate host, Dicrostonyx richardsoni. Quinn SC, et al. **J Parasitol** 1987 Apr;73(2):265–71
Diseases of wapiti utilizing cattle range in southwestern Alberta. Kingscote BF, et al. **J Wildl Dis** 1987 Jan; 23(1):86–91
Ultrastructure of Sarcocystis spp. (Protozoa: Apicomplexa) in rodents from North Sulawesi and West Java, Indonesia. O'Donoghue PJ, et al. **J Wildl Dis** 1987 Apr;23(2):225–32
Sarcocystis miescheriana infection and its frequency in pigs in Japan. Saito M, et al. **Nippon Juigaku Zasshi** 1986 Dec; 48(6):1083–90
Experimental transmission of Sarcocystis muriviperae n. sp. to laboratory mice by sporocysts from the Palestinian viper (Vipera palaestinae): a light and electron microscope study. Matuschka FR, et al. **Parasitol Res** 1987;73(1):33–40
Serological responses in Sarcocystis cruzi infected calves challenged with Toxoplasma gondii. Uggla A, et al. **Res Vet Sci** 1987 Jul;43(1):127–9
Equine protozoal myeloencephalitis. Madigan JE, et al. **Vet Clin North Am [Equine Pract]** 1987 Aug;3(2):397–403
Coccidiosis in swine. Prestwood AK. **Vet Hum Toxicol** 1987; 29 Suppl 1:65–7 (27 ref.)
The structure and identity of macroscopically visible Sarcocystis cysts in cattle. Böttner A, et al. **Vet Parasitol** 1987 Apr;24(1–2):35–45
The prevalence and identity of Sarcocystis in beef cattle in New Zealand. Böttner A, et al. **Vet Parasitol** 1987 May; 24(3–4):157–68
Effects of Sarcocystis miescheriana infection on carcass weight and meat quality of halothane-tested fattening pigs. Daugschies A, et al. **Vet Parasitol** 1987 Jun;25(1):19–31
Ultrastructure of Sarcocystis spp. from donkeys (Equus asinus) in Egypt. Hilali M, et al. **Vet Parasitol** 1987 Feb; 23(3–4):179–83
Experimental infection with Sarcocystis medusiformis in sheep. Obendorf DL, et al. **Vet Parasitol** 1987 Apr; 24(1–2):59–65
Clinical, haematological and plasma biochemical changes in specified-pathogen-free (sporozoa) lambs experimentally infected with low numbers of Sarcocystis tenella sporocysts. Phillips PH, et al. **Vet Parasitol** 1987 Apr; 24(1–2):15–23
Evaluation of an enzyme immunoassay for the detection of antibodies against Sarcocystis spp. in naturally infected cattle in China. Shi LZ, et al. **Vet Parasitol** 1987 May; 24(3–4):185–94
Experimental microcyst sarcocystis infection in lambs: pathology. O'Toole D, et al. **Vet Rec** 1986 Nov 22; 119(21):525–31
Experimental microcyst sarcocystis infection in lambs: serology and immunohistochemistry. Smith TS, et al. **Vet Rec** 1986 Nov 29;119(22):547–50
Host resistance and faecal sporocyst excretion in dogs exposed to repeated infection with Sarcocystis levinei. Srivastava PS, et al. **Vet Res Commun** 1987;11(2):185–90
[A rare case of Sarcocystis encephalitis in a sheep] Belchev L, et al. **Vet Med Nauki** 1987;24(3):33–7 (Eng. Abstr.) **(Bul)**
[The extent of the incidence of sarcocystosis in cattle and pig farms] Lukešová D, et al. **Vet Med (Praha)** 1986 Sep; 31(9):521–30 (Eng. Abstr.) **(Cze)**
[Incidence of sarcosporidia in cattle in Shaba (Zaire)] Mathieu AM, et al. **Rev Elev Med Vet Pays Trop** 1986; 39(2):193–5 (Eng. Abstr.) **(Fre)**
[Sarcocystis alceslatrans (Apicomplexa) from a palaearctic elk (Ruminantia)] Sedlaczek J, et al. **Angew Parasitol** 1986 Aug;27(3):137–44 (Eng. Abstr.) **(Ger)**
[Sarcocystis and chronic myopathies in horses] Fransen JL, et al. **Berl Munch Tierarztl Wochenschr** 1987 Jul 1; 100(7):229–32 (Eng. Abstr.) **(Ger)**

SARIN see under **ORGANOPHOSPHORUS COMPOUNDS**

SARKOLYSIN see **MELPHALAN**

SATELLITE COMMUNICATIONS see **TELECOMMUNICATIONS**

SATELLITE DNA see **DNA, SATELLITE**

SATELLITE VIRUSES

PHYSIOLOGY

Autonomous and helper-dependent small pathogenic RNAs of plants: viroids and satellites. Diener TO. **Prog Clin Biol Res** 1987;234:3–18 (49 ref.)
Symptom regulation induced by some plant virus-associated satellite-like RNAs. Piazzolla P. **Prog Clin Biol Res** 1987; 234:19–22

SATIATION

Hepatic contribution to satiation of salt appetite in rats. Tordoff MG, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1095–102
The effect of high and low-fibre breakfasts on hunger, satiety and food intake in a subsequent meal. Burley VJ, et al. **Int J Obes** 1987;11 Suppl 1:87–93
Concurrent access to two concentrations of orally delivered phencyclidine: effects of feeding conditions. Carroll ME. **J Exp Anal Behav** 1987 May;47(3):347–62
Relating mothers' anxiety and perception to infant satiety, anxiety, and feeding behavior. Blank DM. **Nurs Res** 1986 Nov-Dec;35(6):347–51

DRUG EFFECTS

Dorsomedial hindbrain participation in cholecystokinin-induced satiety. Edwards GL, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R971–7
Lithium chloride, cholecystokinin and meal patterns: evidence that cholecystokinin suppresses meal size in rats without causing malaise. West DB, et al. **Appetite** 1987 Jun;8(3):221–7
Effects of putative satiety peptides on feeding and drinking behavior in golden hamsters (Mesocricetus auratus). Miceli MO, et al. **Behav Neurosci** 1985 Dec;99(6):1192–207
Combined injection potentiates the satiety effects of pancreatic glucagon, cholecystokinin, and bombesin. Hinton V, et al. **Brain Res Bull** 1986 Nov;17(5):615–9
Comparative effects of caerulein on food intake and pancreatic secretion in dogs. Reidelberger RD, et al. **Brain Res Bull** 1986 Sep;17(3):445–9
Obese male mice (ob/ob) are normally sensitive to the satiating effect of CCK-8. Strohmayer AJ, et al. **Brain Res Bull** 1986 Oct;17(4):571–3
Satiety and scratching: effects of bombesin-like peptides. Negri L. **Eur J Pharmacol** 1986 Dec 16;132(2–3):207–12
Postingestional modulation of drinking induced in rats by angiotensin II: intragastric infusion and sham drinking studies. Salisbury JJ, et al. **Physiol Behav** 1987;40(4):539–43
An alternative explanation for apparent satiating properties of peripherally administered bombesin and cholecystokinin in domestic fowls. Savory CJ. **Physiol Behav** 1987; 39(2):191–202
Effect of naltrexone on food intake, hunger, and satiety in obese men. Spiegel TA, et al. **Physiol Behav** 1987; 40(2):135–41
Different peripheral and central antagonistic activity of new glutaramic acid derivatives on satiety induced by cholecystokinin in rats. Makovec F, et al. **Regul Pept** 1986 Dec 30;16(3–4):281–90
Central and peripheral proglumide administration and cholecystokinin-induced satiety. Willis GL, et al. **Regul Pept** 1986 Aug;15(1):87–98

PHYSIOLOGY

Neuropeptide Y increases food intake in mice. Morley JE, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R516–22
Drinking, oropharyngeal signals, and inhibition of vasopressin secretion in dogs. Thrasher TN, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R509–15
Caloric compensation and sensory specific satiety: evidence for self regulation of food intake by young children. Birch LL, et al. **Appetite** 1986 Dec;7(4):323–31
Neurotransmitter alterations associated with feeding and satiety. Chance WT, et al. **Brain Res** 1987 Jul 28; 416(2):228–34
CCK and other peptides modulate hypothalamic norepinephrine release in the rat: dependence on hunger or satiety [published erratum appears in Brain Res Bull 1987 May;18(5):65] Myers RD, et al. **Brain Res Bull** 1986 Oct;17(4):583–97
Glucagon, satiety from feeding and liver/pancreatic interactions. Vanderweele DA, et al. **Brain Res Bull** 1986 Oct;17(4):539–43
Glucagon satiety: diurnal variation after hepatic branch vagotomy or intraportal alloxan. Weatherford SC, et al. **Brain Res Bull** 1986 Oct;17(4):545–9
Satiation, satiety and the action of fibre on food intake. Blundell JE, et al. **Int J Obes** 1987;11 Suppl 1:9–25 (35 ref.)
Evidence for a vagally mediated satiety signal derived from hepatic fatty acid oxidation. Langhans W, et al. **J Auton Nerv Syst** 1987 Jan;18(1):13–8
Levels of blood glucose and intake of food in dogs [letter] Vinod DN, et al. **J R Soc Health** 1987 Apr;107(2):73
Palatability and preabsorptive insulin release. Louis-Sylvestre J, et al. **Neurosci Biobehav Rev** 1980;4 Suppl 1:43–6
A blood-borne factor from food-satiated Aplysia, suppresses the gill withdrawal reflex in in vitro preparations from unsatiated animals. Lukowiak K. **Neurosci Lett** 1987 Jun 15;77(2):205–8
The role of the ileum in food intake regulation. **Nutr Rev** 1986 Jul;44(7):228–9 (12 ref.)
Alimentary sleep satiety in suckling rats. Lorenz DN. **Physiol Behav** 1986 Oct;38(4):557–62
Satiation restores brood care motivation in the female mouthbrooder Pseudocrenilabrus multicolor (Cichlidae). Mrowka W. **Physiol Behav** 1986;38(1):153–6
Neuropeptides as stimulators of feeding. Morley JE, et al. **Psychopharmacol Bull** 1986;22(3):745–9
[Historical development of the concepts of hunger, satiety and appetite] Gallouin F, et al. **Reprod Nutr Dev** 1987; 27(1B):109–28 **(Fre)**
[Changes in serotonin metabolism during food satiation in the mink and its effect on predatory aggression] Popova NK, et al. **Zh Vyssh Nerv Deiat** 1986 Nov-Dec; 36(6):1034–8 (Eng. Abstr.) **(Rus)**
[Regulating mechanisms of eating behavior] Barrera-Mera B. **Bol Estud Med Biol** 1986;34(1–4):51–6 **(Spa)**

SATIETY RESPONSE see under **SATIATION**

SAUNA see **BATHS, FINNISH**

SAXITOXIN

Chemistry and biology of saxitoxin and related toxins. Schantz EJ. **Ann NY Acad Sci** 1986;479:15–23
Chemistry and biochemistry of saxitoxin analogues and tetrodotoxin. Shimizu Y. **Ann NY Acad Sci** 1986;479:24–31

ANALOGS & DERIVATIVES

Structure-activity relations of tetrodotoxin, saxitoxin, and analogues. Kao CY. **Ann NY Acad Sci** 1986;479:52–67
Chemistry and biochemistry of saxitoxin analogues and tetrodotoxin. Shimizu Y. **Ann NY Acad Sci** 1986;479:24–31

ISOLATION & PURIFICATION

Pharmacological identification of saxitoxin-like toxins in the cultured purple clam, Hiatula diphos. Chang CC, et al. **Toxicon** 1986;24(8):861–4

METABOLISM

Tetrodotoxin, saxitoxin, and the molecular biology of the sodium channel. **Ann NY Acad Sci** 1986;479:1–445
Surface charges near the guanidinium neurotoxin binding site. Green WN, et al. **Ann NY Acad Sci** 1986;479:306–12
Distribution of saxitoxin-binding sites in mammalian neural tissue. Ritchie JM. **Ann NY Acad Sci** 1986;479:385–401
High-STX-affinity vs. low-STX-affinity Na+ channel subtypes in nerve, heart, and skeletal muscle. Rogart RB. **Ann NY Acad Sci** 1986;479:402–30
On the mechanism by which saxitoxin binds to and blocks sodium channels. Strichartz G, et al. **Ann NY Acad Sci** 1986;479:96–112
Mu-conotoxins share a common binding site with tetrodotoxin/saxitoxin on eel electroplax Na channels. Yanagawa Y, et al. **J Neurosci** 1987 May;7(5):1498–502
Actions of ethanol on voltage-sensitive sodium channels: effects on neurotoxin binding. Mullin MJ, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):536–40

PHARMACODYNAMICS

Structure-activity relations of tetrodotoxin, saxitoxin, and analogues. Kao CY. **Ann NY Acad Sci** 1986;479:52–67
Block of sodium channels in planar lipid bilayers by guanidium toxins and calcium. Are the mechanisms of voltage dependence the same? Krueger BK, et al. **Ann NY Acad Sci** 1986;479:257–68
Use- and voltage-dependent block of the sodium channel by saxitoxin. Salgado VL, et al. **Ann NY Acad Sci** 1986; 479:84–95
Kinetics of TTX-STX block of sodium channels. Ulbricht W, et al. **Ann NY Acad Sci** 1986;479:68–83
Batrachotoxin-modified sodium channels in planar lipid bilayers. Characterization of saxitoxin- and tetrodotoxin-induced channel closures. Green WN, et al. **J Gen Physiol** 1987 Jun;89(6):873–903
Inaction of saxitoxin-oximes on the sodium channel of frog skeletal muscle fibers. Hu SL, et al. **Toxicon** 1987; 25(2):159–65

SC 19220 see under **DIBENZOXAZEPINES**

SCABIES

[Scabies] Piérard GE, et al. **Rev Med Liege** 1987 Jun 1; 42(11):563–70 **(Fre)**

CHEMICALLY INDUCED

Does etretinate exacerbate scabies? [letter] Zlotogorski A, et al. **Br J Dermatol** 1987 Jun;116(6):882

COMPLICATIONS

Scabies-associated angioimmunoblastic lymphadenopathy. Kleiner-Baumgarten A, et al. **Acta Haematol (Basel)** 1986; 76(2–3):166–8
Norwegian scabies [letter] Kocsard E. **Australas J Dermatol** 1986 Dec;27(3):143–4
Crusted scabies in human immunodeficiency virus infection [letter] Drabick JJ, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):142
Norwegian scabies in acquired immunodeficiency syndrome:

report of a case resulting in death from associated sepsis [letter] Glover A, et al. **J Am Acad Dermatol** 1987 Feb; 16(2 Pt 1):396–9

Crusted scabies in a patient with acquired immunodeficiency syndrome [letter] Rau RC, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1058–9

A case of scabies complicated by acute glomerulonephritis. Takiguchi Y, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):163–6

DIAGNOSIS

Diabetic patient with crusted plaques. Crusted (Norwegian) scabies. Yarbrough GK, et al. **Arch Dermatol** 1987 Jun; 123(6):811, 814

A clinicoparasitological study of scabies. Baweja UK, et al. **J Commun Dis** 1986 Jun;18(2):132–5

Scabies and head lice. Lane AT. **Pediatr Ann** 1987 Jan; 16(1):51–4

[Scabies in infants and children in 1987] Cambazard F. **Pediatrie** 1987;42(1):29–32 **(Fre)**

[Scabies in an adopted infant from Brazil] Haas N, et al. **Monatsschr Kinderheilkd** 1987 Mar;135(3):171–2 (Eng. Abstr.) **(Ger)**

[Norwegian scabies in a psoriatic mental patient] Verner E, et al. **Harefuah** 1987 Apr 1;112(7):328–31 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

Lindane neurotoxic reaction in nonbullous congenital ichthyosiform erythroderma. Friedman SJ. **Arch Dermatol** 1987 Aug;123(8):1056–8

Lindane. A prudent approach. Rasmussen JE. **Arch Dermatol** 1987 Aug;123(8):1008–10

Permethrin 5% dermal cream: a new treatment for scabies. Taplin D, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):995–1001

Head lice and scabies in children. Reeves JR. **Pediatr Infect Dis J** 1987 Jun;6(6):598–602 (15 ref.)

[Critical review of scabies treatments] Fontan I, et al. **Ann Dermatol Venereol** 1986;113(6–7):593–6 **(Fre)**

[Effect of urocaninic acid on the intensity of itching in scabies] Abdieva DKh, et al. **Vestn Dermatol Venerol** 1986; (12):47–9 (Eng. Abstr.) **(Rus)**

[Poisoning in treating scabies with mercuric sulfate ointment] Belkin BG. **Vestn Dermatol Venerol** 1986;(12):44–6 (Eng. Abstr.) **(Rus)**

[Improvement in the method of treating scabies with benzyl benzoate] Fedorovskaia RF, et al. **Vestn Dermatol Venerol** 1986;(8):37–43 (Eng. Abstr.) **(Rus)**

[Treatment of scabies with a dermatological lotion of decamethrin at 0.02%. Study of 127 patients using 2 therapeutic regimens] Schenone H, et al. **Bol Chil Parasitol** 1986 Jan–Jun;41(1–2):3–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Crusted (Norwegian) scabies. Occurrence in a child undergoing a bone marrow transplant. Barnes L, et al. **Arch Dermatol** 1987 Jan;123(1):95–7

Human notoedric scabies from contact with cats infested with Notoedres cati. Chakrabarti A. **Int J Dermatol** 1986 Dec; 25(10):646–8

Unusual features of scabies complicating human T-lymphotropic virus type III infection. Sadick N, et al. **J Am Acad Dermatol** 1986 Sep;15(3):482–6

[Norwegian scabies: parasite-host relations. Pathogenetic considerations] Amerio P, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):419–21 (Eng. Abstr.) **(Ita)**

HISTORY

The history of scabies in veterinary and human medicine from biblical to modern times. Roncalli RA. **Vet Parasitol** 1987 Jul;25(2):193–8

IMMUNOLOGY

[A study of the skin test of an extract of the tick for scabies] Sanda T, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr; 97(5):587–90 **(Jpn)**

OCCURRENCE

Scabies [letter] Meester HH, et al. **Am J Infect Control** 1987 Jun;15(3):135

The fluctuating incidence of human scabies [editorial] **Bol Chil Parasitol** 1986 Jan–Jun;41(1–2):1–2 **(Eng, Spa)**

Selected infectious disease risks in international adoptees. Lange WR, et al. **Pediatr Infect Dis J** 1987 May;6(5):447–50

[Scabies—1984] Anusz Z. **Przegl Epidemiol** 1986;40(2):212–5 **(Pol)**

PATHOLOGY

Keratotic (Norwegian) scabies. Ramsay B, et al. **Ir J Med Sci** 1987 Jan;156(1):13–5

Case for diagnosis. AIDS. Baird JK, et al. **Milit Med** 1987 Jan;152(1):M89–96

[Biological behavior of Sarcoptes scabiei var. suis in swine epidermis. A scanning electron microscopy study in hyperkeratotic (or Norwegian) scabies of swine] Van Neste D, et al. **Ann Dermatol Venereol** 1986;113(5):435–40 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Macular scabies with annular arrangement of papules. Terui T, et al. **Int J Dermatol** 1986 Nov;25(9):597

PREVENTION & CONTROL

[Scabies—prevention and treatment (editorial)] Zeidmann D, et al. **Harefuah** 1986 Dec 15;111(12):460–3 **(Heb)**

THERAPY

Crusted (Norwegian) scabies: treatment of nail involvement [letter] De Paoli RT, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):136–9

VETERINARY

Experimental infection of the one-humped camel (Camelus dromedarius) with Sarcoptes scabiei var. cameli and S. scabiei var. ovis. Nayel NM, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):553–61

Experimental infection of the one-humped camel (Camelusdromedarius) and goats with Sarcoptes scabiei var. cameli and S. scabiei var. caprae. Nayel NM, et al. **Br Vet J** 1986 May–Jun;142(3):264–9

Sarcoptes scabiei infestation in a cat. Hawkins JA, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1572–3

Growth performance and behavioral patterns of pigs infested with sarcoptic mites (Acari: Sarcoptidae). Wooten-Sandi E, et al. **J Econ Entomol** 1987 Jun;80(3):625–8

Efficacy of ivermectin against the pig mange mite Sarcoptes scabiei var. suis. Soll MD, et al. **J S Afr Vet Assoc** 1987 Mar;58(1):29–30

Clinical mange of the black bear (Ursus americanus) caused by Sarcoptes scabiei (Acarina, Sarcoptidae). Schmitt SM, et al. **J Wildl Dis** 1987 Jan;23(1):162–5

A severe outbreak of sarcoptic mange among goats naturally infected with a sheep strain of Sarcoptes scabiei. Ibrahim KE, et al. **Rev Elev Med Vet Pays Trop** 1985;38(3):258–65

Control of cattle mange in southern Africa using ivermectin. Soll MD, et al. **Trop Anim Health Prod** 1987 May; 19(2):93–102

Orchitis in a camel (Camelus dromedarius) infected with Sarcoptes cameli. Tika Ram SM, et al. **Vet Parasitol** 1987 Feb;23(3–4):307–9

The effect of sarcoptic mange on growth performance, leukocytes and lymphocyte proliferative responses in pigs. Wooten EL, et al. **Vet Parasitol** 1986 Dec;22(3–4):315–24

Prolate pour-ons for the control of sarcoptic and chorioptic mange in cattle. Henderson D, et al. **Vet Rec** 1987 Apr 25;120(17):418–9

[Treatment of sarcoptic mange in wild and domestic swine with ivermectin (Ivomec)] Kutzer E. **DTW** 1986 Oct 8; 93(9):426–9 (Eng. Abstr.) **(Ger)**

[Sarcoptic scabies in capybaras (Hydrochoerus hidrochaeris L.). Study under scanning electron microscopy] Rivera MA, et al. **Acta Cient Venez** 1986;37(1):89–91 (Eng. Abstr.) **(Spa)**

SCALA TYMPANI see under **COCHLEA**

SCALENUS ANTICUS SYNDROME see **THORACIC OUTLET SYNDROME**

SCALING, DENTAL see under **DENTAL PROPHYLAXIS**

SCALP

Focal naevoid hypotrichosis. Barth JH, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):178–9

Acute non-lymphocytic leukemia (ANLL) following treatment with dacarbazine for malignant melanoma. Carey RW, et al. **Am J Hematol** 1987 May;25(1):119–21

Breakage of a fetal scalp blade with retention of fragments in the infant's scalp. Nieburg P, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):441–2

Scalp heat flux and its relationship to scalp blood pH of the fetus. Rudelstorfer R, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):372–7

Multiple cylindromas. The 'turban tumor'. Nerad JA, et al. **Arch Ophthalmol** 1987 Aug;105(8):1137

Tissue expansion in the treatment of giant congenital melanocytic nevi. Maves MD, et al. **Arch Otolaryngol Head Neck Surg** 1987 Sep;113(9):987–91

Subgaleal hematoma in a child, without skull fracture. Kirkpatrick JS, et al. **Dev Med Child Neurol** 1986 Aug; 28(4):511–4

The histogenesis of angiosarcoma of the face and scalp: an immunohistochemical and ultrastructural study. Holden CA, et al. **Histopathology** 1987 Jan;11(1):37–51

Preventing chemotherapy-induced alopecia in cancer patients: is scalp cooling worthwhile? Tierney AJ. **J Adv Nurs** 1987 May;12(3):303–10

Meningioma of the scalp: a case report with immunohistological features. Theaker JM, et al. **J Cutan Pathol** 1987 Feb;14(1):49–53

Tubular apocrine adenoma. Toribio J, et al. **J Cutan Pathol** 1987 Apr;14(2):114–7

Tumor conference #59. Non-nevocytic congenital nevus [clinical conference] Kopf AW, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1262–4

Unusual presentation of metastatic scalp angiosarcoma: diagnosis by transbronchial lung biopsy. Lanese DM, et al. **J Natl Med Assoc** 1987 May;79(5):565–8

In utero sonographic demonstration of a caput succedaneum. Schwimer SR, et al. **J Ultrasound Med** 1986 Dec; 5(12):711–2

Nevus sebaceus of Jadassohn: the head and neck manifestations. Hagan WE. **Laryngoscope** 1987 Aug;97(8 Pt 1):909–14

Cylindroma of the scalp. Spauwen PH, et al. **Neth J Surg** 1987 Jun;39(3):101–3

Juvenile hyaline fibromatosis (Murray-Puretic-Drescher syndrome): oral and systemic findings in siblings. Sciubba JJ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):397–409

Cranial fasciitis and its resemblance to histiocytosis. Silberstein MJ, et al. **Orthopedics** 1987 Feb;10(2):356–61

Cellular blue nevus of the scalp associated with intracranial involvement. Nakano S, et al. **Surg Neurol** 1987 Jun; 27(6):553–7

Malignant melanoma in childhood. Salman T, et al. **Turk J Pediatr** 1986 Oct–Dec;28(4):263–70

Endothelial intracellular vacuoles in angiosarcoma of the scalp. Shimizu K, et al. **Virchows Arch [B]** 1986;52(4):291–8

[Cerebriform intradermal nevus] Berbis P, et al. **Ann Dermatol Venereol** 1987;114(3):369–73 **(Fre)**

[Case for diagnosis. Angiosarcoma of the head or face in the elderly] Guillaume JC, et al. **Ann Dermatol Venereol** 1987;114(2):265–7 **(Fre)**

[Multiple trichoepitheliomas, cylindromas and milia. An entity] Guillot B, et al. **Ann Dermatol Venereol** 1987; 114(2):175–82 (Eng. Abstr.) **(Fre)**

[Syringoma of the scalp] Pujol R, et al. **Ann Dermatol Venereol** 1986;113(8):693–5 **(Fre)**

[Syringoma of the scalp beneath a seborrheic wart] Sánchez Yus E, et al. **Ann Dermatol Venereol** 1987;114(5):707–8 **(Fre)**

[Midline subepicranial (subgaleal) dermoid cysts in children. Report of 6 cases and review of the literature] Nicolau A, et al. **Ann Radiol (Paris)** 1986;29(6):511–8 (Eng. Abstr.) **(Fre)**

[Primary mucinous carcinoma of the skin] Aloi FG, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):337–42 (Eng. Abstr.) **(Ita)**

[Phthiriasis pubis of the scalp in 2 children] Aloi FG, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):361–2 (Eng. Abstr.) **(Ita)**

[Cutaneous metastasis of clear-cell renal carcinoma] Carabelli A. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):427–9 (Eng. Abstr.) **(Ita)**

[Callosal-choroid plexus lipoma associated with subcutaneous lipoma. Case report] Nitta T, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):895–9 (Eng. Abstr.) **(Jpn)**

[Two cases of malignant angioendothelioma possibly succeeded in treatments] Kashima M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1123–32 **(Jpn)**

[Metastases of breast cancer to the scalp] Machońko T, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):413–5 (Eng. Abstr.) **(Pol)**

[A case of Gottron reticulosarcomatosis of the skin] Zoirov PT, et al. **Vestn Dermatol Venerol** 1986;(8):35–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Methimazole, carbimazole, and congenital skin defects. Van Dijke CP, et al. **Ann Intern Med** 1987 Jan;106(1):60–1

Encephalocraniocutaneous lipomatosis. Fishman MA. **J Child Neurol** 1987 Jul;2(3):186–93

[Cutis verticis gyrata and dystrophia myotonica (letter)] Cusano F, et al. **G Ital Dermatol Venereol** 1987 Apr; 122(4):201 **(Ita)**

[Johanson-Blizzard syndrome] Kaeriyama M, et al. **Nippon Rinsho** 1986 Jul;44(7):1677–82 **(Jpn)**

[Congenital hypoplasia of the scalp] Kruk-Jeromin J, et al. **Przegl Dermatol** 1986 May–Jun;73(3):208–11 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

The post- and retro-auricular scalping flap (the PARAS flap). Dias AD, et al. **Br J Plast Surg** 1987 Jul;40(4):360–6

Arteriovenous malformation simulating encephalocele: CT findings. Silbergleit R, et al. **J Comput Assist Tomogr** 1987 May–Jun;11(3):522–4

Traumatic arteriovenous fistula of the scalp. Case report. Badejo L, et al. **J Neurosurg** 1987 May;66(5):773–4

Topical minoxidil, scalp hair, and vasodilatation [letter] **Lancet** 1987 May 30;1(8544):1266–7

[Angiologic introduction to scalp surgery] Lebeau J, et al. **Ann Chir Plast Esthet** 1986;31(4):321–4 (Eng. Abstr.) **(Fre)**

[Autoimmune thrombopenia and pregnancy. Value of counting scalp platelets] Fernandez H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(7):923–7 (Eng. Abstr.) **(Fre)**

[Endovascular treatment of arteriovenous malformations of the scalp] Courtheoux P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):315–9 (Eng. Abstr.) **(Fre)**

[Three cases of scalp arteriovenous malformations] Shimoda

M, et al. **No Shinkei Geka** 1987 Feb;15(2):173–8 (Eng. Abstr.) **(Jpn)**

INJURIES

Scalp, skull, and dura reconstruction on an emergency basis. Wei FC, et al. **Ann Plast Surg** 1987 Mar;18(3):252–6

Halo scalp ring: a cause of scarring alopecia [letter] Prendiville JS, et al. **Arch Dermatol** 1987 Aug;123(8):992–3

An evaluation of open scalp wounds. Fullarton GM, et al. **Arch Emerg Med** 1987 Mar;4(1):11–6

Effect of scalp burns on common male pattern baldness. Buckland R, et al. **Br Med J [Clin Res]** 1986 Dec 20–27; 293(6562):1645

Deep electrical burns to the scalp. Pegg SP, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):62–5

Management of avulsion injuries of the scalp. Rao CV. **J Indian Med Assoc** 1987 Apr;85(4):111–2

Skin graft from a scalp flap. Fang K, et al. **Plast Reconstr Surg** 1987 Apr;79(4):622–4

Microsurgical replantation of a total scalp avulsion. Case report. Fogdestam I, et al. **Scand J Plast Reconstr Surg** 1986;20(3):319–22

[The scalp: the thin graft by 1st intention in emergency surgery. Apropos of 4 cases] Micheau P, et al. **Ann Chir Plast Esthet** 1986;31(4):351–7 (Eng. Abstr.) **(Fre)**

[An unusual gunshot injury] Scharfe U. **Zentralbl Chir** 1987; 112(2):124–6 **(Ger)**

[Reparative possibilities of alopecia secondary to loss of the scalp substance] Piotti F, et al. **Minerva Chir** 1987 Apr 30;42(8):743–6 (Eng. Abstr.) **(Ita)**

[Electric burns of the soft tissues and bones of the cranial vault] Zieliński A, et al. **Wiad Lek** 1986 Dec 1; 39(23):1638–43 (Eng. Abstr.) **(Pol)**

[Determination of the characteristics of the tracks by probe profilography in identifying the hacking weapon from traces on the bones] Edelev NS. **Sud Med Ekspert** 1987 Apr-Jun;30(2):57–8 **(Rus)**

INNERVATION

Scalp tenderness and sensitivity to pain in migraine and tension headache. Drummond PD. **Headache** 1987 Jan; 27(1):45–50

PATHOLOGY

Pathologic quiz case 1. Epithelioid hemangioma (histiocytoid hemangioma, angiolymphoid hyperplasia with eosinophilia). Walker AN, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):332–5

Malignant transformation in a solitary dermal cylindroma. Lin PY, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):765–7

Angiosarcoma of the scalp: case report and literature review. Freedman AN. **Can J Surg** 1987 May;30(3):197–8

Multiple hamartoma syndrome. Barax CN, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):342–6

Giant basal cell carcinoma with metastases and myelophthisic anemia. Schwartz RA, et al. **J Surg Oncol** 1986 Dec; 33(4):223–6

Aggressive infantile myofibromatosis: report of a case of a clinically progressive congenital multiple fibromatosis. Molnar P, et al. **Med Pediatr Oncol** 1986;14(6):332–7

Locally invasive cellular blue nevus of the scalp. Wetherington GM, et al. **Plast Reconstr Surg** 1987 Jan; 79(1):114–7

[Meningioma of the scalp. Apropos of a case] Chappuis JP, et al. **Pediatrie** 1986 Apr-May;41(3):227–30 (Eng. Abstr.) **(Fre)**

[Temporal arteritis with hypotension syndrome and necrosis of the scalp] Schwarze U, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):188–91 (Eng. Abstr.) **(Ger)**

[Proliferating tricholemmal cysts. A possible preliminary stage of the pilar tumor of the scalp] Janitz J, et al. **Pathologe** 1987 Jul;8(4):217–20 **(Ger)**

[A case of malignant meningioma with subcutaneous infiltration of the scalp] Masuda Y, et al. **Gan No Rinsho** 1986 Nov;32(14):1849–54 (Eng. Abstr.) **(Jpn)**

[Zoonotic microsporia of the scalp in a 2-week-old infant] Stepanova ZhV, et al. **Vestn Dermatol Venerol** 1986; (11):56–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Fetal heart rate response to scalp stimulation as a test of fetal well-being in labour. Arulkumaran S, et al. **Asia Oceania J Obstet Gynaecol** 1987 Jun;13(2):131–5

PHYSIOPATHOLOGY

Scalp-recorded short and middle latency peroneal somatosensory evoked potentials in normals: comparison with peroneal and median nerve SEPs in patients with unilateral hemispheric lesions. Molaie M. **Electroencephalogr Clin Neurophysiol** 1987 Mar; 68(2):107–18

SURGERY

Advancement in scalp grafts. Coiffman F. **Ann Plast Surg** 1987 May;18(5):421–8

Giant cerebriform intradermal nevus. Hamm JC, et al. **Ann Plast Surg** 1987 Jul;19(1):84–8

Free composite reconstruction of a complex craniofacial defect. Richards MA. **Aust NZ J Surg** 1987 Feb; 57(2):129–32

Scalp expansion flaps. Laitung JK, et al. **Br J Plast Surg** 1986 Oct;39(4):542–8

Cranial coverage involving scalp, bone and dura using free inferior epigastric flap. Miyamoto Y, et al. **Br J Plast Surg** 1986 Oct;39(4):483–90

Expansion-assisted treatment of male pattern baldness. Anderson RD. **Clin Plast Surg** 1987 Jul;14(3):477–90

Scalp expansion for male pattern baldness. Manders EK, et al. **Clin Plast Surg** 1987 Jul;14(3):469–75

New aspects of hair transplantation. Pinski JB, et al. **Cutis** 1987 Apr;39(4):309–13

Scalp reduction in the treatment of androgenic alopecia. Norwood OT. **Dermatol Clin** 1987 Jul;5(3):531–44 (15 ref.)

Lessening the pressure on scalp dermabrasions [letter] Field LM. **J Am Acad Dermatol** 1986 Sep;15(3):535–6

Use of a hemicoronal scalp flap to approach an osteochondroma of the coronoid process. Schwartz HC, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):545–7

Flap design for cochlear implantation: avoidance of a potential complication. Harris JP, et al. **Laryngoscope** 1987 Jun;97(6):755–7

Scalp expansion in the treatment of male pattern baldness. Adson MH, et al. **Plast Reconstr Surg** 1987 Jun; 79(6):906–14

A hemorrhagic hazard of tissue expansion. Ashall G, et al. **Plast Reconstr Surg** 1987 Apr;79(4):627–30

[Treatment of large skin-defect wounds of the scalp] Karavasilev D. **Khirurgiia (Sofiia)** 1986;39(3):24–6 **(Bul)**

[102 repairs of loss of substance of the scalp] Abbes M, et al. **Ann Chir Plast Esthet** 1986;31(4):348–50 (Eng. Abstr.) **(Fre)**

[Development of ideas in technics for repairing the scalp] Chassagne JF, et al. **Ann Chir Plast Esthet** 1986; 31(4):325–35 (Eng. Abstr.) **(Fre)**

[The total scalp flap. 6 years' use (1980–1985)] Real JP. **Ann Chir Plast Esthet** 1986;31(4):336–47 (Eng. Abstr.) **(Fre)**

[Mobilization of the orbito-fronto-temporo-pterional flap en bloc] Lesoin F, et al. **Neurochirurgie** 1987;33(2):161–5 (Eng. Abstr.) **(Fre)**

[Planning of restorative operations on the skin of the scalp following the removal of malignant neoplasms] Dmitrieva VS, et al. **Vestn Khir** 1986 Jul;137(7):106–8 (Eng. Abstr.) **(Rus)**

[Extent of the surgical intervention in regional metastases of melanomas of the head and neck] Vagner RI, et al. **Vestn Khir** 1987 Jan;138(1):43–6 (Eng. Abstr.) **(Rus)**

[Therapeutic procedure in the ossification of cephalohematomas] Brodskiĭ IuS, et al. **Vrach Delo** 1987 Jul;(7):73–6 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Hair growth in scalp grafts from patients with alopecia areata and alopecia universalis grafted onto nude mice. Gilhar A, et al. **Arch Dermatol** 1987 Jan;123(1):44–50

The bilateral occipito-parietal flap. Brandy DA. **J Dermatol Surg Oncol** 1986 Oct;12(10):1062–6

Scalp graft for elevation of the reconstructed auricle. Yoshimura Y, et al. **Plast Reconstr Surg** 1987 Sep; 80(3):352–5

[Reimplantation and transplantation of the scalp] Baudet J, et al. **Ann Chir Plast Esthet** 1987;32(2):107–11 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

High-grade epithelioid angiosarcoma of the scalp. An immunohistochemical and ultrastructural study. Perez-Atayde AR, et al. **Am J Dermatopathol** 1986 Oct; 8(5):411–8

SCALP DERMATOSES

CHEMICALLY INDUCED

Dobutamine and pruritus of the scalp [letter] McCauley CS, et al. **Ann Intern Med** 1986 Dec;105(6):966

COMPLICATIONS

Follicular occlusion triad: hidradenitis suppurativa, acne conglobata, and dissecting cellulitis of the scalp. Chicarilli ZN. **Ann Plast Surg** 1987 Mar;18(3):230–7

Severe perifolliculitis capitis with osteomyelitis. Ramasastry SS, et al. **Ann Plast Surg** 1987 Mar;18(3):241–4

Localized chronic pemphigoid as an unusual cause of circulatory eosinophilia. Alcalay J, et al. **Isr J Med Sci** 1987 Apr;23(4):292–3

Temporomandibular joint ankylosis due to Maduromycetoma caused by Madurella mycetomy. Yagi KI, et al. **J Oral Med** 1983 Apr-Jun;38(2):71–3

CONGENITAL

Aplasia cutis congenita in one of monozygotic twins. Yagupsky P, et al. **Pediatr Dermatol** 1986 Nov;3(5):403–5

[Congenital hypoplasia of the scalp] Kruk-Jeromin J, et al. **Przegl Dermatol** 1986 May-Jun;73(3):208–11 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Dandruff] Polano MK. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2340–2 **(Dut)**

[Dandruff--an atopic sign?] Lindmaier A, et al. **Hautarzt** 1987 Mar;38(3):138–41 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of seborrhoeic dermatitis with ketoconazole: I. Response of seborrhoeic dermatitis of the scalp to topical ketoconazole. Carr MM, et al. **Br J Dermatol** 1987 Feb; 116(2):213–6

Treatment of seborrhoeic dermatitis with ketoconazole: II. Response of seborrhoeic dermatitis of the face, scalp and trunk to topical ketoconazole. Green CA, et al. **Br J Dermatol** 1987 Feb;116(2):217–21

Effects of sulfur and salicylic acid in a shampoo base in the treatment of dandruff: a double-blind study using corneocyte counts and clinical grading. Leyden JJ, et al. **Cutis** 1987 Jun;39(6):557–61

Treatment of dandruff with a 2% ketoconazole scalp gel. A double-blind placebo-controlled study. Cauwenbergh G, et al. **Int J Dermatol** 1986 Oct;25(8):541

Perifollicilitis capitis abscedens et suffodiens treated with isotretinoin (13-cis-retinoic acid) [letter] Schewach-Millet M, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1291–2

Dissecting cellulitis of the scalp: response to isotretinoin [letter] Taylor AE. **Lancet** 1987 Jul 25;2(8552):225

[Anti-pityriasis activity of a line of products containing piroctone olamine] Bartalini P, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):XI–XIX (Eng. Abstr.) **(Ita)**

[Importance of cleansing in the therapy of dermatitis seborrheica] Occella C, et al. **Minerva Pediatr** 1987 Apr 15;39(7):295–8 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Trichogram studies of the scalp in pemphigus. Michalowski R, et al. **Indian J Dermatol** 1985 Jul;30(3):9–11

[A case for diagnosis. Scalp gangrene due to temporal arteritis (Horton's disease)] Ortonne JP. **Ann Dermatol Venereol** 1986;113(6-7):581–2 **(Fre)**

[Aeromonas hydrophila infection of the scalp. Peculiarities (letter)] Thonnon J, et al. **Presse Med** 1987 Jun 27; 16(25):1244 **(Fre)**

[An unusual skin manifestation in lymphocytic malignant lymphoma] Zylberstein D, et al. **Lakartidningen** 1987 Apr 1;84(14):1167–8 **(Swe)**

IMMUNOLOGY

Identification of dander-specific and serum-specific allergens in cat dandruff extract. Wallenbeck I, et al. **Ann Allergy** 1987 Aug;59(2):131–4

MICROBIOLOGY

Isolation of Bipolaris australiensis from a lesion of viral vesicular dermatitis on the scalp. Chalet M, et al. **J Med Vet Mycol** 1986 Dec;24(6):461–5

Pityrosporum in normal sebaceous follicles, comedones, acneiform eruptions, and dandruff. Plewig G. **Mykosen [Suppl]** 1978;1:155–63

OCCURRENCE

Granuloma annulare: a rare occipital lesion in infants and children. Challa VR, et al. **Surg Neurol** 1987 Sep; 28(3):211–4

PATHOLOGY

Localized cicatricial pemphigoid (Brunsting-Perry syndrome). Gibson V, et al. **Cutis** 1986 Oct;38(4):252–3

Specific skin ulcers in Hodgkin's disease. Misra RS, et al. **Cutis** 1987 Mar;39(3):247–8

Cell kinetics of the human anagen hair follicle. Flow cytometric studies in healthy and psoriatic subjects. Katsuoka K, et al. **Dermatologica** 1987;174(3):105–9

Scalp lesion in a lepromatous patient--case report. Malaviya GN, et al. **Indian J Lepr** 1987 Jan-Mar;59(1):103–5

Mycetoma of the scalp: report of a case. Anim JT, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):412–4

[Lupus erythematosus simulating syphilis II] Huber A, et al. **Z Hautkr** 1986 Oct 15;61(20):1483–7 (Eng. Abstr.) **(Ger)**

[Classification and therapy of lesions caused by endemic pemphigus foliaceus of the scalp. Apropos of 12 cases] Aleixo J. **Med Cutan Ibero Lat Am** 1986;14(5):293–6 **(Por)**

[Zoonotic microsporia of the scalp in a 2-week-old infant] Stepanova ZhV, et al. **Vestn Dermatol Venerol** 1986; (11):56–7 (Eng. Abstr.) **(Rus)**

SURGERY

[Use of the temporal muscle in the repair of radiodermatitis] Macripò G, et al. **Minerva Chir** 1987 Apr 15;42(7):659–62 (Eng. Abstr.) **(Ita)**

SCANDIUM

Factors affecting radioactive microsphere measurement of blood flow in pregnant guinea pigs. Myers S, et al. **Lab Anim Sci** 1986 Oct;36(5):522–6

METABOLISM

Distribution of 46Sc and 51Cr in tumor-bearing animals and the mechanism for accumulation in tumor and liver. Ando A, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):143–51

Antibodies labeled with metallic radionuclides: influence of nuclide chemistry on dose distribution. Vaughan AT, et al. **NCI Monogr** 1987;(3):141–4

SCANNING, RADIOISOTOPE see **RADIONUCLIDE IMAGING**

SCAPEGOATING see under **DISPLACEMENT (PSYCHOLOGY)**

SCAPULA

The intraarticular pressure during shoulder arthrography. A diagnostic aid in rotator cuff tear. Björkenheim JM, et al. **Acta Orthop Scand** 1987 Apr;58(2):128–9

Unusual metastatic chondrosarcoma detected with bone scintigraphy. Abello R, et al. **Eur J Nucl Med** 1986; 12(5–6):306–8

Snapping scapulae: a report of three cases. Cameron HU. **Eur J Rheumatol Inflamm** 1984;7(2):66–7

Treatment of winged scapula by pectoralis major transfer. Iceton J, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):108–10

Dedifferentiated chondrosarcoma: an ultrastructural study of two cases, with immunocytochemical correlations. Abenoza P, et al. **Ultrastruct Pathol** 1986;10(6):529–38

[Anatomo-surgical substantiation of the formation of a scapulo-periscapular skin flap on an arteriovenous pedicle] Kirpatovskii ID, et al. **Khirurgiia (Mosk)** 1987 Jun;(6):93–7 **(Rus)**

[Auricular reflexotherapy of humeroscapular periarthritis] Ivanov VA, et al. **Ortop Travmatol Protez** 1986 Sep; (9):44–5 **(Rus)**

[Diagnosis and treatment of humeroscapular periarthritis] Kirillova RA. **Vrach Delo** 1986 Sep;(9):15–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Congenital elevation of the scapula and Brown-Sequard syndrome. Hauman H, et al. **Clin Neurol Neurosurg** 1986; 88(4):289–92

Congenital elevation of the scapula (Sprengel's deformity). Galpin RD, et al. **Orthopedics** 1987 Jun;10(6):965–70

[Congenital elevation of the scapula] Le Saout J, et al. **J Chir (Paris)** 1987 Mar;124(3):181–3 (Eng. Abstr.) **(Fre)**

[Duplication of the scapula] Martini AK, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):267–70 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The subcoracoid space. An anatomic study. Gerber C, et al. **Clin Orthop** 1987 Feb;(215):132–8

Posterior shoulder approach [letter] Mirbaha MM. **Clin Orthop** 1987 Sep;(222):310–1

Preliminary note on biometric data relating to the human coraco-acromial arch. Renoux S, et al. **Surg Radiol Anat** 1986;8(3):189–95

[Dimensions of the human scapula] Wiest S, et al. **Arch Anat Histol Embryol (Strasb)** 1985;68:127–37 (Eng. Abstr.) **(Fre)**

INJURIES

Scapular fracture [letter] Rao KG. **Br J Radiol** 1985 Oct; 58(694):1027

Displaced intra-articular glenoid fractures treated by open reduction and internal fixation. Aulicino PL, et al. **J Trauma** 1986 Dec;26(12):1137–41

Rambutt—the killer sheep. Murray LA, et al. **Med Sci Law** 1987 Apr;27(2):95–7

[Fractures of the glenoid surface of the scapula] Ecke H, et al. **Unfallchirurgie** 1987 Feb;13(1):14–8 (Eng. Abstr.) **(Ger)**

INNERVATION

Suprascapular neuropathy related to the use of crutches. Shabas D, et al. **Am J Phys Med** 1986 Dec;65(6):298–300

Suprascapular neuropathy after intensive progressive resistive exercise: case report. Agre JC, et al. **Arch Phys Med Rehabil** 1987 Apr;68(4):236–8

Painful shoulder in hemiplegic patients: a study of the suprascapular nerve. Lee KH, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):818–20

PATHOLOGY

[Caffey's disease or infantile cortical hyperostosis. A case of bilateral scapular localization] Rousselet MC, et al. **Arch Anat Cytol Pathol** 1986;34(2):105–7 (Eng. Abstr.) **(Fre)**

[Ewing's sarcoma with rare localization in an adult male] Kosowski B, et al. **Patol Pol** 1986 Oct–Dec;37(4):350–6 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

[Electromyography of the trapezius muscle (upper portion) and the levator muscle of the scapula in certain arm movements] Büll ML, et al. **Anat Anz** 1986;162(4):279–87 **(Fre)**

RADIOGRAPHY

Excessive retroversion of the glenoid cavity. A cause of non-traumatic posterior instability of the shoulder [letter] Galinat BJ, et al. **J Bone Joint Surg [Am]** 1987 Apr; 69(4):632–3

Subacromial bursography and rotator cuff tendinitis [letter] Resnick D, et al. **J Rheumatol** 1987 Feb;14(1):179

Case report 424: Eosinophilic granuloma of the acromion. Moyer RA, et al. **Skeletal Radiol** 1987;16(4):333–5

SURGERY

Scapulectomy. Report on the results in 28 patients. Biagini R, et al. **Acta Orthop Belg** 1986;52(6):732–42

Musculocutaneous nerve injury after coracoid process transfer for clavicle instability. Report of three cases. Caspi I, et al. **Acta Orthop Scand** 1987 Jun;58(3):294–5

Transposition of coracoacromial ligament to humerus in treatment of vertical shoulder joint instability. Clinical applicability of experimental technique. Ovesen J, et al. **Arch Orthop Trauma Surg** 1987;106(5):323–6

[Scapulohumeral arthrodesis by combined external and internal fixation. A biomechanical, technical and clinical study] Vidal J, et al. **Rev Chir Orthop** 1987;73(3):171–7 (Eng. Abstr.) **(Fre)**

[Widening of the subacromial space caused by changes in the vertical angle of inclination of the glenoid cavity in the surgical treatment of humeroscapular peri-arthritis] Koydl P. **Z Orthop** 1986 Jul–Aug;124(4):418–21 **(Ger)**

[Thoraco-scapular arthrodesis in facioscapulohumeral dystrophy] Toni A, et al. **Chir Organi Mov** 1986 Apr–Jun; 71(2):127–31 (Eng. Abstr.) **(Ita)**

[Surgical treatment of the impingement syndrome] Eri LM, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):543–4 **(Nor)**

[Acromionectomy in chronic shoulder pain] Nygaard OP, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):560–1 **(Nor)**

[A modified method of fixation of the scapula] Grabovoi AF, et al. **Ortop Travmatol Protez** 1986 Dec;(12):42–4 **(Rus)**

TRANSPLANTATION

[Latarjet's surgery in recurrent anterior dislocations of the shoulder. 117 cases with an 8-year follow-up] Benammar MN, et al. **Rev Chir Orthop** 1986;72(6):447–54 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Histogenesis of unique elastinophilic fibers of elastofibroma: ultrastructural and immunohistochemical studies. Fukuda Y, et al. **Hum Pathol** 1987 May;18(5):424–9

SCARLET FEVER

COMPLICATIONS

Systemic complications of streptococcal scarlet fever: two case reports and a review of the literature. Robbens E, et al. **Acta Clin Belg** 1986;41(5):311–8

DIAGNOSIS

Right-sided Staphylococcus aureus presenting as staphylococcal scarlet fever [letter] Clotet B, et al. **Arch Intern Med** 1987 Mar;147(3):607

Septic scarlet fever in 11th decade of life [letter] Stein DS, et al. **South Med J** 1987 Jun;80(6):798–9

DRUG THERAPY

[Clinical studies of cefixime in pediatric field] Nishimura T, et al. **Jpn J Antibiot** 1986 Apr;39(4):1115–27 (Eng. Abstr.) **(Jpn)**

HISTORY

Scarlet fever and confinement: the Edwardian debate over isolation hospitals. Eyler JM. **Bull Hist Med** 1987 Spring; 61(1):1–24

The historical riddle of milk-borne scarlet fever. Wilson LG. **Bull Hist Med** 1986 Fall;60(3):321–42

SCARPA'S GANGLION see **VESTIBULAR NERVE**

SCARS see **CICATRIX**

SCATTERING, RADIATION

see related
NEPHELOMETRY AND TURBIDIMETRY

Light scatter detection within the sheath flow cuvette for size determination of multicomponent submicrometer particle suspensions. Zarrin F, et al. **Anal Chem** 1987 Mar 15;59(6):850–4

Effect of sample stream radius upon light scatter distributions generated with a Gaussian beam light source in the sheath flow cuvette. Zarrin F, et al. **Anal Chem** 1987 Mar 15; 59(6):846–50

Laser Doppler velocimetry for particle size determination by light scatter within the sheath flow cuvette. Zarrin F, et al. **Anal Chem** 1987 Mar 15;59(6):854–60

Absorption, scattering, and imaging of biomolecular structures with polarized light. Tinoco I Jr, et al. **Annu Rev Biophys Biophys Chem** 1987;16:319–49 (95 ref.)

Diffuse laser light reflection from the surfaces of surgical instruments. Wrobel WG, et al. **Biomed Tech (Berlin)** 1987 Apr;32(4):69–73

Monte Carlo study of electron spectra produced in semi-infinite and finite water phantoms irradiated by photons of energies up to 2 MeV. Pandey LN, et al. **Health Phys** 1987 Aug;53(2):163–74

Light filtering lenses as an alternative to cataract surgery. Rutkowsky WF. **J Am Optom Assoc** 1987 Aug;58(8):640–1

Measurement of linear polymer formation by small-angle light scattering. Williams RC Jr. **Methods Enzymol** 1986; 130:35–47

X-ray scattering. A new probe of protein dynamics [news] Artymiuk P. **Nature** 1987 Feb 12–18;325(6105):575–6

Molecular dynamics studied by analysis of the X-ray diffuse scattering from lysozyme crystals. Doucet J, et al. **Nature** 1987 Feb 12–18;325(6105):643–6

Measurement of the performance characteristics of anti-scatter grids. Keevil SF, et al. **Phys Med Biol** 1987 Mar;32(3):397–401

Experimentally measured scatter fractions and energy spectra as a test of Monte Carlo simulations. Manglos SH, et al. **Phys Med Biol** 1987 Mar;32(3):335–43

Determination of three parameters describing the uncollimated electron beam in air. Polman HL, et al. **Phys Med Biol** 1987 Mar;32(3):345–53

Description of the uncollimated electron beam in air by means of a directional pencil beam model. Polman HL, et al. **Phys Med Biol** 1987 Mar;32(3):355–63

The effect of focusing on ultrasonic backscatter measurements. Yuan YW, et al. **Ultrason Imaging** 1986 Apr; 8(2):121–30

A graphical description of scattering. Greenleaf JF. **Ultrasound Med Biol** 1986 Aug;12(8):603–9

[Measures for reducing exposure to scattered radiation in urologic roentgen diagnosis] Maier G, et al. **Urologe [A]** 1987 Mar;26(2):79–82 (Eng. Abstr.) **(Ger)**

[Radiation burden in heart catheter studies—significance of measures for reducing scatter radiation] Sievert H, et al. **Z Kardiol** 1987 Jun;76(6):326–8 (Eng. Abstr.) **(Ger)**

[Possibility of wide-angle neutron scattering in the study of proteins and nucleic acids in solutions] Pavlov MIu, et al. **Biofizika** 1986 Nov–Dec;31(6):964–71 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Scattered radiation grids in cephalometric radiography. Price C. **Am J Orthod Dentofacial Orthop** 1986 Nov;90(5):431–6

SCENT GLANDS see under **EXOCRINE GLANDS**

SCHAMBERG'S DISEASE see **PIGMENTATION DISORDERS**

SCHAUMANN'S DISEASE see **SARCOIDOSIS**

SCHEDULES, PATIENT see **APPOINTMENTS AND SCHEDULES**

SCHEUERMANN'S DISEASE

Spondylolysis in Scheuermann's disease. Ogilvie JW, et al. **Spine** 1987 Apr;12(3):251–3

COMPLICATIONS

Two hereditary spinal diseases producing kyphosis during adolescence. Nielsen OG, et al. **Acta Paediatr Scand** 1987 Jan;76(1):133–6

Thoracic disk herniation and Scheuermann's disease. Lesoin F, et al. **Eur Neurol** 1987;26(3):145–52

[Radiculo-spinal discomfort and Scheuermann's disease. 12 cases] Lesoin F, et al. **Rev Med Interne** 1987 Jan–Feb; 8(1):39–46 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Pathogenesis of osteochondrosis juvenilis Scheuermann. Aufdermaur M, et al. **J Orthop Res** 1986;4(4):452–7

THERAPY

Scheuermann kyphosis. Follow-up of Milwaukee-brace treatment. Sachs B, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):50–7

[Psychodynamic aspects of corset treatment in adolescents] Braunewell A, et al. **Z Orthop** 1987 Mar–Apr;125(2):132–4 (Eng. Abstr.) **(Ger)**

SCHIFF BASES

BLOOD

[Activation of lipid peroxidation in the bodies of schizophrenic and manic-depressive patients] Prilipko LL, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):100–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Infrared study on the protonation of Schiff base with tyrosine:

a model study for bacteriorhodopsin chromophore. Rastogi PP. **Indian J Biochem Biophys** 1987 Feb;24(1):43–4

PHARMACODYNAMICS

Studies on heterocyclic compounds: indol-2,3-dione derivatives. V. Structure-antimicrobial activity of aromatic and heterocyclic azomethines of indol- and substituted indol-2,3-dione. Piscopo E, et al. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1441–7

SCHILDER'S DISEASE see **ENCEPHALITIS PERIAXIALIS**

SCHILLING TEST

METHODS

The use of hydroxocobalamin in the Schilling test. Wallis J, et al. **Scand J Haematol** 1986 Oct;37(4):337–40

SCHISTOSOMA

Nedocromil sodium inhibits IgE-dependent activation of rat macrophages and platelets as measured by schistosome killing, chemiluminescence and enzyme release. Joseph M, et al. **Eur J Respir Dis [Suppl]** 1986;147:220–2

Some aspects of bilharzia in southern Africa. Pitchford RJ. **S Afr Med J** 1986 Oct 11;Suppl:80–2

ANALYSIS

Amino acid sequence and structural repeats in schistosome paramyosin match those of myosin. Cohen C, et al. **Biosci Rep** 1987 Jan;7(1):11–6

ENZYMOLOGY

Enzyme electrophoresis of South African Schistosoma mattheei and S. haematobium. Kruger FJ. **Onderstepoort J Vet Res** 1987 Mar;54(1):93–6

GENETICS

Genetic variation and differentiation of three Schistosoma species from the Philippines, Laos, and Peninsular Malaysia. Woodruff DS, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):345–54

Genetic variability of Schistosoma bovis cercarial production according to miracidial dose. Mouahid A, et al. **J Helminthol** 1987 Mar;61(1):89–94

GROWTH & DEVELOPMENT

Schistosoma bovis: patterns of cercarial emergence from snails of the genera Bulinus and Planorbarius. Mouahid A, et al. **Exp Parasitol** 1986 Dec;62(3):389–93

[Conditions required for the systematic study of male schistosomes by scanning electron microscopy] Ngendahayo LD, et al. **Ann Parasitol Hum Comp** 1986; 61(5):595–6 **(Fre)**

IMMUNOLOGY

Stage-specific schistosome antigens. Cioli D, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:70–4 (29 ref.)

Immunization with schistosome membrane antigens. Harn A. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:46–9

Epidemiological considerations for development of a schistosome vaccine. Mott KE. **Acta Trop (Basel)** 1987 Jun; 44 Suppl 12:13–20 (17 ref.)

Strategies for induction of protective immunity against schistosomes. Sher A, et al. **Acta Trop (Basel)** 1987 Jun; 44 Suppl 12:41–5 (20 ref.)

The cloning of schistosome antigens. Simpson AJ, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:83–9 (25 ref.)

The mouse model of schistosome immunity. Smithers SR, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:21–30 (51 ref.)

Schistosoma spp.: progress toward a defined vaccine. James SL. **Exp Parasitol** 1987 Jun;63(3):247–52 (42 ref.)

Vaccination against schistosomes and other systemic helminths. Smithers SR. **Int J Parasitol** 1987 Feb; 17(1):31–42 (88 ref.)

A simple and rapid treatment (trichloroacetic acid precipitation) of serum samples to prevent non-specific reactions in the immunoassay of a proteoglycan. De Jonge N, et al. **J Immunol Methods** 1987 May 20;99(2):195–7

Antibodies of the IgE and IgG isotype, serum IgE and circulating immune complexes in schistosomiasis intercalatum. Zwingenberger K, et al. **Parasitol Res** 1987; 73(3):259–64

A simple procedure for using schistosomula in immunofluorescence studies [letter] Passos RM, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):492

[Immune response in schistosomiasis] Ricciuti C, et al. **Clin Ter** 1987 Mar 31;120(6):489–94 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Schistosoma bovis in human stools in Kenya [letter] Chunge R, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):849

PHYSIOLOGY

Alkylphosphonates as unique compounds in the metabolism of the schistosomal vector Biomphalaria glabrata. Miceli MV, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):355–60

An evaluation of the interactions between freshwater pulmonate snail hosts of human schistosomes and macrophytes. Thomas JD. **Philos Trans R Soc Lond [Biol]** 1987 Mar 25; 315(1170):75–125

Egg polymorphism of Schistosoma bovis. Touassem R. **Vet Parasitol** 1987 Feb;23(3-4):185–91

ULTRASTRUCTURE

Further observations on an intratubercular sensory receptor of Schistosoma mattheei. Kruger FJ, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):239–40

Scanning electron microscopy of the tegument of adult Schistosoma curassoni, and comparison with male S. bovis and S. haematobium from Senegal. Southgate VR, et al. **Parasitology** 1986 Dec;93 (Pt 3):433–42

SCHISTOSOMA HAEMATOBIUM

ENZYMOLOGY

Enzyme electrophoresis of South African Schistosoma mattheei and S. haematobium. Kruger FJ. **Onderstepoort J Vet Res** 1987 Mar;54(1):93–6

GROWTH & DEVELOPMENT

[Conditions required for the systematic study of male schistosomes by scanning electron microscopy] Ngendahayo LD, et al. **Ann Parasitol Hum Comp** 1986; 61(5):595–6 **(Fre)**

IMMUNOLOGY

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. I. Changes of specific immunoglobulins. Shaker ZA, et al. **Parasitol Res** 1987; 73(4):328–33

ISOLATION & PURIFICATION

Comparative evaluation of the El Zogabie modification of the Nytrel urine filtration technique for the detection and enumeration of Schistosoma haematobium ova. Sarda RK. **Acta Trop (Basel)** 1986 Sep;43(3):291–2

False epidemiological results from the bulk transport of dried filter papers in urinary schistosomiasis. Braun-Munzinger RA, et al. **Trop Med Parasitol** 1986 Sep;37(3):286–9

[Schistosomiasis and cancer of the bladder in the Ouémé Valley. Importance of a new technic of cell and parasite concentration using gum arabic] Galley F, et al. **Arch Anat Cytol Pathol** 1987;35(2):101–6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Decalcification of schistosome eggs during staining of tissue sections: a potential source of diagnostic error. Cheever AW. **Am J Trop Med Hyg** 1986 Sep;35(5):959–61

Urinary schistosomiasis acquired in Mali, West Africa. I. Case report of Schistosoma haematobium infection in a Sri Lankan with a note on the parasitic life cycle and the risk of local transmission. Wijesundera MS, et al. **Ceylon Med J** 1986 Dec;31(4):181–7

ULTRASTRUCTURE

Scanning electron microscopy of the tegument of adult Schistosoma curassoni, and comparison with male S. bovis and S. haematobium from Senegal. Southgate VR, et al. **Parasitology** 1986 Dec;93 (Pt 3):433–42

SCHISTOSOMA JAPONICUM

DRUG EFFECTS

Comparative efficacy of praziquantel and its optic isomers in experimental therapy of schistosomiasis japonica in rabbits. Liu YH, et al. **Chin Med J [Engl]** 1986 Dec; 99(12):935–40

[Effect of pyquiton on some histochemical activities of schistosomules of Schistosoma japonicum in mice] Yang YQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):21–3 (Eng. Abstr.) **(Chi)**

[Morphological alterations of schistosomulae invading the skin of mice treated orally with praziquantel before infection and cellular reaction of the skin] Xiao SH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):358–60 (Eng. Abstr.) **(Chi)**

[Histological observations on the effects of artemether, fuvinazole and niridazole on Schistosoma japonicum schistosomulae in the mouse liver] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):276–8 (Eng. Abstr.) **(Chi)**

[Effect of praziquantel in vitro on different developmental stages of Schistosoma japonicum] You JQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan;7(1):82–4 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

[Inhibition of tegumental gamma-glutamyltranspeptidase of Schistosoma japonicum by praziquantel] Wang GF, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):32–4 (Eng. Abstr.) **(Chi)**

[Schistosomicides and acetylcholinesterase in the tegument of the male Schistosoma japonicum] Wang GF, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):567–9 (Eng. Abstr.) **(Chi)**

GENETICS

Genetic variation and differentiation of three Schistosoma species from the Philippines, Laos, and Peninsular Malaysia. Woodruff DS, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):345–54

Large genetic distance between Chinese and Philippine Schistosoma japonicum. Merenlender AM, et al. **J Parasitol** 1987 Aug;73(4):861–3

Cloning of a Schistosoma japonicum gene encoding a major immunogen recognized by hyperinfected rabbits. Scallon BJ, et al. **Mol Biochem Parasitol** 1987 Jul;24(3):237–45

GROWTH & DEVELOPMENT

In vitro cultivation of Schistosoma japonicum schistosomula. Lin JY, et al. **Chin Med J [Engl]** 1986 Oct;99(10):812–4

In vitro cultivation of schistosoma japonicum from cercariae to egg-producing adult worms. Wang W, et al. **Chin Med J [Engl]** 1986 Sep;99(9):713–6

[Studies on the artificial transformation of Schistosomula japonicum cercariae to schistosoma in vitro] Wang W, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):212–4 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Studies on the antigenicity of the eggs of Schistosoma japonicum collected from an unearthed ancient corpse of the Western Han dynasty (167 B.C.). Chen LY, et al. **Acta Acad Med Wuhan** 1985;5(4):217–9

Collaborative study on antigens for immunodiagnosis of Schistosoma japonicum infection. Mott KE, et al. **Bull WHO** 1987;65(2):233–44

Preliminary studies on shared antigens among cercaria, adult worm and egg of Schistosoma japonicum. Guan XH, et al. **Chin Med J [Engl]** 1986 Feb;99(2):159–65

Isolation of two immunogenically different allergens from Schistosoma japonicum eggs. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):149–54

Reactivity of two major allergens isolated from Schistosoma japonicum eggs against IgE and IgG antibodies in human serum. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):213–6

The involvement of eggs and soluble egg antigens in resistance to Schistosoma japonicum. Moloney NA, et al. **J Helminthol** 1987 Mar;61(1):9–17

Production and properties of a mouse monoclonal IgE antibody to Schistosoma japonicum. Kojima S, et al. **J Immunol** 1987 Sep 15;139(6):2044–9

Immunoglobulins inside Schistosoma japonicum eggs from the livers of mice. Hirata M, et al. **J Parasitol** 1986 Aug; 72(4):578–82

Antibodies of patients infected with Schistosoma japonicum crossreact with diagnostic proteins of Schistosoma mansoni. Ruppel A, et al. **J Tongji Med Univ** 1986; 6(3):138–43

Passive transfer of resistance to mice with sera from rabbits, rats or mice vaccinated with ultraviolet-attenuated cercariae of Schistosoma japonicum. Moloney NA, et al. **Parasitology** 1987 Jun;94 (Pt 3):497–508

The induction of species-specific immunity against Schistosoma japonicum by exposure of rats to ultra-violet attenuated cercariae. Moloney NA, et al. **Parasitology** 1987 Feb;94 (Pt 1):49–54

Mr 26,000 antigen of Schistosoma japonicum recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase. Smith DB, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8703–7

[Experimental observation on the latex agglutination test in the detection of anti-schistosome antibody] Qiu LS, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(3):177–80 (Eng. Abstr.) **(Chi)**

[Effects of praziquantel and artemether on tegumental surface antigens of different developmental stages of Schistosoma japonicum] Yue WJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):284–7 (Eng. Abstr.) **(Chi)**

[A comparative study of COP and IHA in the epidemiological evaluation of schistosomiasis japonica in eradicated endemic area] Zhu YC, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):272–6 (Eng. Abstr.) **(Chi)**

[The sensitizing role of the gut-associated antigen of Schistosoma japonicum in granuloma formation around the ova] Guan XH, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Aug;66(8):479–83 **(Chi)**

[Cell lines of hybridoma secreting monoclonal antibodies against Schistosoma japonicum egg antigens] Miao DJ, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1987;5(1):9–12 (Eng. Abstr.) **(Chi)**

[Attachment of mouse neutrophils in vitro on the praziquantel-damaged surface of adult Schistosoma

japonicum in the presence of immune sera] Xiao SH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):165–70 (Eng. Abstr.) **(Chi)**

METABOLISM

Uptake and excretion of amino acids and utilization of glucose by Schistosoma japonicum eggs. Kawanaka M, et al. **Jpn J Med Sci Biol** 1986 Oct–Dec;39(5–6):199–206

[Distribution of [3H] praziquantel in tissues of Schistosoma japonicum at different developmental stages] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1986 May;21(5):377–81 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Decalcification of schistosome eggs during staining of tissue sections: a potential source of diagnostic error. Cheever AW. **Am J Trop Med Hyg** 1986 Sep;35(5):959–61

Host identification by Schistosoma japonicum cercariae. Haas W, et al. **J Parasitol** 1987 Jun;73(3):568–77

[A field investigation on the probability of the dispersion of Schistosoma japonicum eggs to Oncomelania–infested bodies of water in 4 villages of Wuxian County] He SY, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(2):96–100 (Eng. Abstr.) **(Chi)**

[Observation on the difference in susceptibility of Oncomelania snails to different isolates of Schistosoma japonicum] Xu XJ, et al.
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1987;5(1):25–8 (Eng. Abstr.) **(Chi)**

[Study of schistosome–mollusk vector compatibility by the technic of microsurgical transplantation of sporocysts in two Schistosoma japonicum–Oncomelania hupensis combinations originating in mainland China] Jourdane J, et al. **Ann Parasitol Hum Comp** 1986;61(5):559–64 (Eng. Abstr.) **(Fre)**

[Shedding pattern of Schistosoma japonicum cercariae from mainland China by Oncomelania hupensis] Théron A, et al. **Ann Parasitol Hum Comp** 1986;61(5):553–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Degenerative changes in the reproductive organs of female schistosomes during maintenance in vitro. Irie Y, et al. **J Parasitol** 1987 Aug;73(4):829–35

[Histological observations on schistosomula of Schistosoma japonicum in mouse lung and liver after treatment with praziquantel] Yang YQ, et al.
Chung Kuo Yao Li Hsueh Pao 1985 Dec;6(4):285–7 (Eng. Abstr.) **(Chi)**

SCHISTOSOMA MANSONI

ANALYSIS

Analysis of tegumental surface proteins of Schistosoma mansoni primary sporocysts. Boswell CA, et al. **J Parasitol** 1987 Aug;73(4):778–86

Ultrastructure, carbohydrate, and amino acid analysis of two preparations of the cercarial glycocalyx of Schistosoma mansoni. Caulfield JP, et al. **J Parasitol** 1987 Jun; 73(3):514–22

Analysis of total and surface membrane lipids of Schistosoma mansoni. Rogers MV, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):273–88

ANATOMY & HISTOLOGY

The neural commissural rings of the adult male Schistosoma mansoni. Withyachumnarnkul B, et al. **J Helminthol** 1987 Jun;61(2):169–72

[Comparison of the chaetotaxy between 2 groups of cercariae, from a human strain of Schistosoma mansoni after first passage through 2 species of congeneric snails] Pino LA, et al. **Acta Cient Venez** 1986;37(1):60–2 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Cercarian chaetotaxy of Schistosoma mansoni from naturally infected Biomphalaria tenagophila] Pino LA, et al.
Acta Cient Venez 1986;37(1):56–9 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Killing of schistosomula by taurine chloramine and taurine bromamine. Yazdanbakhsh M, et al.
Am J Trop Med Hyg 1987 Jul;37(1):106–10

Acute effects of oltipraz on adult Schistosoma mansoni and its antagonism in vitro. Morrison DD, et al.
Biochem Pharmacol 1987 Apr 1;36(7):1169–71

Schistosoma mansoni: chemical stabilization of cercariae by aldehydes. Habeeb AF. **Exp Parasitol** 1987 Aug;64(1):111–9

Schistosoma mansoni: effects of bromolysergic acid diethylamide, verapamil, and Ca2+–free solution on the motor activity of the isolated male worm induced by electrical stimulation and oxamniquine. Soares de Moura R, et al. **Exp Parasitol** 1987 Apr;63(2):173–9

In vitro selection of drug resistant Schistosoma mansoni. Coles GC, et al. **Int J Parasitol** 1987 Feb;17(3):767–71

Synergism between eosinophil cationic protein and oxygen metabolites in killing of schistosomula of Schistosoma mansoni. Yazdanbakhsh M, et al. **J Immunol** 1987 May 15;138(10):3443–7

Lack of correlation between schistosomicidal and anticholinergic properties of hycanthone and related drugs. Pica–Mattoccia L, et al. **J Parasitol** 1986 Aug;72(4):531–9

Stimulation of Schistosoma mansoni miracidia by a 80 kDa glycoprotein from Biomphalaria glabrata. Dissous C, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):203–9

Chlorpromazine, other amphiphilic cationic drugs and praziquantel: effects on carbohydrate metabolism of Schistosoma mansoni. Harder A, et al. **Parasitol Res** 1987; 73(3):245–9

Increased exposure of parasite antigens at the surface of adult male Schistosoma mansoni exposed to praziquantel in vitro. Harnett W, et al. **Parasitology** 1986 Oct;93 (Pt 2):401–5

Schistosoma mansoni: structural damage and tegumental repair after in vivo treatment with praziquantel. Shaw MK, et al. **Parasitology** 1987 Apr;94 (Pt 2):243–54

Schistosoma mansoni: effects of anesthetics and antimonial drugs on worm shift in the mouse. da Cunha–Melo JR, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul–Aug; 28(4):267–70

Sensibility of different larval stages of Schistosoma mansoni to the larvae disappearing reaction (LDR) in murine schistosomiasis (1). de Melo AL, et al.
Rev Inst Med Trop Sao Paulo 1986 Nov–Dec;28(6):395–9

Failure at inducing resistance to schistosomicidal drugs in a Brazilian human strain of Schistosoma mansoni. Dias LC, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct; 28(5):352–7

Drug resistance in schistosomiasis [letter] Coles GC, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):347

[Effectiveness of an amphoteric surface agent against Schistosoma mansoni miracidia in field–like conditions in Niger] Sellin B, et al. **Ann Parasitol Hum Comp** 1986; 61(3):285–8 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Purification of cysteine proteinases from adult Schistosoma mansoni. Chappell CL, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):560–8

Glutathione activation of a cysteine proteinase from Schistosoma mansoni. Chappell CL, et al.
Biochim Biophys Acta 1987 Jul 7;913(3):335–41

Enzymatic differences between hycanthone–resistant and sensitive strains of Schistosoma mansoni. Doong YC, et al. **Comp Biochem Physiol [B]** 1987;87(3):459–64

Cloning and gene expression of Schistosoma mansoni protease. Davis AH, et al. **J Biol Chem** 1987 Sep 15; 262(26):12851–5

Cysteinyl proteinases of Schistosoma mansoni eggs: purification and partial characterization. Sung CK, et al. **J Parasitol** 1986 Dec;72(6):891–900

Leucine aminopeptidase and hatching of Schistosoma mansoni eggs. Xu YZ, et al. **J Parasitol** 1986 Aug; 72(4):507–11

Role of serine proteases of Schistosoma mansoni in the regulation of IgE synthesis. Verwaerde C, et al.
Scand J Immunol 1986 Nov;24(5):509–16

GENETICS

Gender–specifically expressed genes in Schistosoma mansoni. Kunz W, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:90–3

Two gender–specific transcripts predominate in the mRNA of adult female Schistosoma mansoni. Meusel G, et al.
J Parasitol 1987 Apr;73(2):436–7

Possible eggshell protein gene from Schistosoma mansoni. Johnson KS, et al. **Mol Biochem Parasitol** 1987 Jan 2; 22(1):89–100

Characterisation of the structure and expression of the gene encoding a major female specific polypeptide of Schistosoma mansoni. Simpson AJ, et al.
Mol Biochem Parasitol 1987 Jan 15;22(2–3):169–76

Molecular cloning of a protective antigen of schistosomes. Balloul JM, et al. **Nature** 1987 Mar 12–18;326(6109):149–53

Sequences of two genomic fragments containing an identical coding region for a putative egg–shell precursor protein of Schistosoma mansoni. Kunz W, et al.
Nucleic Acids Res 1987 Jul 24;15(14):5894

Cloning of a cDNA encoding a surface antigen of Schistosoma mansoni schistosomula recognized by sera of vaccinated mice. Dalton JP, et al.
Proc Natl Acad Sci USA 1987 Jun;84(12):4268–72

Three developmentally regulated genes identified by clones from an adult Schistosoma mansoni cDNA expression library. Blanton RE, et al. **Trans Assoc Am Physicians** 1985; 98:101–6

[Polymorphism of Schistosoma mansoni eggs in the Guadeloupe (French Antilles) focus: presence of S. rodhaini–like parasites?] Théron A. **Acta Trop (Basel)** 1986 Dec;43(4):335–42 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

The interactions between macrophages and developmental stages of Schistosoma mansoni: effect of macrophage function modulators on the viability of S. mansoni in vivo and in vitro. Malkin R, et al. **J Biol Response Mod** 1986 Oct;5(5):470–80

Resistance of Helisoma trivolvis from the Dominican Republic to infection by the trematode Schistosoma mansoni. Ayvazian SG, et al. **J Parasitol** 1986 Oct; 72(5):785–6

Schistosoma mansoni: transformation of cercariae to schistosomules in ELAC, saline and phosphate–buffered saline. Cousin CE, et al. **J Parasitol** 1986 Aug;72(4):609–11

Schistosoma mansoni: comparative development of schistosomules produced by artificial techniques. Cousin CE, et al. **J Parasitol** 1986 Aug;72(4):606–9

Large–scale laboratory maintenance of Schistosoma mansoni, with observations on three schistosome/snail host combinations. Lewis FA, et al. **J Parasitol** 1986 Dec; 72(6):813–29 (91 ref.)

Ultrastructural localization of the circulating cathodic antigen in the digestive tract of various life–cycle stages of Schistosoma mansoni. de Water R, et al.
Z Parasitenkd 1986;72(5):635–46

IMMUNOLOGY

Transfer of Schistosoma mansoni antibodies from mother to fetal and newborn mice. Bruijning CF, et al.
Acta Leiden 1978;46:31–51

Protective antigens in experimental schistosomiasis. Capron A, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:63–9 (17 ref.)

Blocking antibodies and vaccine strategy in schistosomiasis. Capron M, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:55–62

Induction of cell–mediated immunity as a strategy for vaccination against Schistosoma mansoni. James SL, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:50–4 (14 ref.)

Characterization and cloning of Schistosoma mansoni immunogens recognized by protective antibodies. Strand M, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:75–82

Identification of a genus–specific Schistosoma mansoni soluble egg antigen reactive with the serum of infected patients. Hillyer GV, et al. **Am J Trop Med Hyg** 1986 Nov; 35(6):1198–204

Vaccine–induced immunity in mice against Schistosoma mansoni trickle cercarial infections. Lewis FA, et al.
Am J Trop Med Hyg 1987 Jul;37(1):98–105

Monocytes activate eosinophils for enhanced helminthotoxicity and increased generation of leukotriene C4. Elsas P, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):97–116

Modulation of granulomatous inflammation in murine schistosomiasis mansoni by enteric exposure to schistosome ova: in vitro characterization of a regulatory mechanism within the granuloma. Weinstock JV, et al.
Cell Immunol 1987 Sep;108(2):452–9

Protection against experimental Schistosoma mansoni schistosomiasis achieved by immunization with schistosomula released products antigens (SRP–A): role of IgE antibodies. Damonneville M, et al.
Clin Exp Immunol 1986 Aug;65(2):244–52

Immunity to schistosomiasis mansoni in guinea–pigs vaccinated with radiation–attenuated cercariae: I. Humoral responses against skin–stage schistosomula. Gordon JR, et al. **Clin Exp Immunol** 1987 Feb;67(2):252–61

Widespread antigenic cross–reactivity between plasma proteins of a gastropod, and its trematode parasite. Bayne CJ, et al. **Dev Comp Immunol** 1987 Spring;11(2):321–9

Schistosoma mansoni: immunogenic glycoproteins of the cercarial glycocalyx. Dalton JP, et al. **Exp Parasitol** 1987 Apr;63(2):215–26

Helper T cells induced by a purified 28–kilodalton antigen of Schistosoma mansoni protect rats against infection. Auriault C, et al. **Infect Immun** 1987 May;55(5):1163–9

Immunopathology of experimental Schistosoma mansoni: immunohistochemical localization of parasite antigens in the host tissue. Abdul–Aal GM, et al.
Int Arch Allergy Appl Immunol 1987;82(1):89–94

Effect of schistosome–derived inhibitory factor on the cell cycle of T lymphocytes. Mazingue C, et al.
Int Arch Allergy Appl Immunol 1987;83(1):12–8

Purification and physicochemical characterization of Schistosoma mansoni egg allergen recognized by mouse sera obtained at an acute stage of infection. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):129–35

Schistosoma mansoni: the cutaneous response to cercarial challenge in naive guinea pigs and guinea pigs vaccinated with highly irradiated cercariae. Pearce EJ, et al.
Int J Parasitol 1986 Oct;16(5):491–510

Selection of the host for resistance: genetic control of protective immunity to schistosomes. Sher A, et al.
Int J Parasitol 1987 Feb;17(1):53–7

Failure of immunosuppressive mechanisms in human Schistosoma mansoni infection with hepatosplenomegaly. Tweardy DJ, et al. **J Clin Microbiol** 1987 May;25(5):768–73

Serological studies of the antigens prepared from Biomphalaria glabrata snails infected and uninfected with Schistosoma mansoni. I. Indirect immunofluorescent antibody test using infected snail and adult worm antigens. Khalil HM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):61–9

Immunoglobulin levels and intensity of infection in patients with fascioliasis, single or combined with schistosomiasis. Salem AI, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):33–40

Interferon gamma and lymphotoxin or tumor necrosis factor act synergistically to induce macrophage killing of tumor cells and schistosomula of Schistosoma mansoni. Esparza I, et al. **J Exp Med** 1987 Aug 1;166(2):589–94

Schistosoma mansoni shares a protective carbohydrate epitope with keyhole limpet hemocyanin. Grzych JM, et al. **J Exp Med** 1987 Mar 1;165(3):865–78

Diagnostic Mr 31,000 Schistosoma mansoni proteins:

requirement of infection, but not immunization, and use of the "miniblot" technique for the production of monoclonal antibodies. Ruppel A, et al. **J Helminthol** 1987 Jun;61(2):95–101

A purified 28,000 dalton protein from Schistosoma mansoni adult worms protects rats and mice against experimental schistosomiasis. Balloul JM, et al. **J Immunol** 1987 May 15;138(10):3448–53

Functional role of the alpha-chain of complement receptor type 3 in human eosinophil-dependent antibody-mediated cytotoxicity against schistosomes. Capron M, et al. **J Immunol** 1987 Sep 15;139(6):2059–65

Evidence that a protective membrane epitope is involved in early but not late phase immunity in Schistosoma mansoni. Harn DA, et al. **J Immunol** 1987 Mar 1; 138(5):1571–80

Mast cell-mediated toxicity to schistosomula of Schistosoma mansoni: potentiation by exogenous peroxidase. Henderson WR, et al. **J Immunol** 1986 Oct 15;137(8):2695–9

Defective vaccine-induced resistance to Schistosoma mansoni in P strain mice. III. Specificity of the associated defect in cell-mediated immunity. James SL, et al. **J Immunol** 1986 Dec 15;137(12):3959–67

A major role for carbohydrate epitopes preferentially recognized by chronically infected mice in the determination of Schistosoma mansoni schistosomulum surface antigenicity. Omer-Ali P, et al. **J Immunol** 1986 Dec 1;137(11):3601–7

Immunochemical characterization and purification of Sm-97, a Schistosoma mansoni antigen monospecifically recognized by antibodies from mice protectively immunized with a nonliving vaccine. Pearce EJ, et al. **J Immunol** 1986 Dec 1;137(11):3593–600

Characterization of a factor from the U937 cell line that enhances the toxicity of human eosinophils to Schistosoma mansoni larvae. Silberstein DS, et al. **J Immunol** 1987 May 1;138(9):3042–50

Functional properties of a rat monoclonal IgE antibody specific for Schistosoma mansoni. Verwaerde C, et al. **J Immunol** 1987 Jun 15;138(12):4441–6

The presence of antibody in mice chronically infected with Schistosoma mansoni which blocks in vitro killing of schistosomula. Yi XY, et al. **J Immunol** 1986 Dec 15; 137(12):3955–8

IgM antibodies recognizing carbohydrate epitopes shared between schistosomula and miracidia of Schistosoma mansoni that block in vitro killing. Yi XY, et al. **J Immunol** 1986 Dec 15;137(12):3946–54

Development and optimization of the FAST-ELISA for detecting antibodies to Schistosoma mansoni. Hancock K, et al. **J Immunol Methods** 1986 Sep 27;92(2):167–76

Early diagnosis of Schistosoma mansoni in mice using assays directed against cercarial antigens isolated by hydrophobic chromatography. Hayunga EG, et al. **J Parasitol** 1987 Apr; 73(2):351–62

Expression of lectin-binding surface glycoproteins during the development of Schistosoma mansoni schistosomula. Hayunga EG, et al. **J Parasitol** 1986 Dec;72(6):913–20

Failure of anti-Fasciola antisera to induce antibody-dependent, eosinophil-mediated killing of Schistosoma mansoni schistosomula. Hillyer GV, et al. **J Parasitol** 1987 Aug;73(4):774–7

Intraspecific cross-protection in mice immunized with irradiated Schistosoma mansoni cercariae. Lewis FA, et al. **J Parasitol** 1987 Aug;73(4):787–91

Haptenation of adult Schistosoma mansoni and assessment of humorally mediated damage in vitro. McCormick SL, et al. **J Parasitol** 1987 Feb;73(1):130–43

Schistosoma mansoni: demonstration of homospecific antibody adsorbed to the tegumental surfaces of adult male parasites from mice. Rasmussen KR, et al. **J Parasitol** 1987 Apr;73(2):448–51

Antibodies of patients infected with Schistosoma japonicum crossreact with diagnostic proteins of Schistosoma mansoni. Ruppel A, et al. **J Tongji Med Univ** 1986; 6(3):138–43

Parasiticidal activity of macrophages against schistosomes. James SL. **Methods Enzymol** 1986;132:649–58

Sequence and expression of a major egg antigen from Schistosoma mansoni. Homologies to heat shock proteins and alpha-crystallins. Nene V, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):179–88

Cloning of a developmentally regulated tegument antigen of Schistosoma mansoni. Stein LD, et al. **Mol Biochem Parasitol** 1986 Sep;20(3):253–64

Cloned schistosome antigens [news] Cox FE. **Nature** 1987 Mar 12–18;326(6109):131

Schistosoma mansoni shares a protective oligosaccharide epitope with freshwater and marine snails. Dissous C, et al. **Nature** 1986 Oct 2–8;323(6087):443–5

Schistosoma mansoni egg antigens: preparation of rabbit antisera with monospecific immunoprecipitating activity, and their use in antigen characterization. Dunne DW, et al. **Parasite Immunol** 1986 Nov;8(6):575–86

Genetic influence on the antibody response to antigens of Schistosoma mansoni in chronically infected mice. Kee KC, et al. **Parasite Immunol** 1986 Nov;8(6):565–74

Post lung-stage schistosomula of Schistosoma mansoni exhibit transient susceptibility to macrophage-mediated cytotoxicity in vitro that may relate to late phase killing in vivo. Pearce EJ, et al. **Parasite Immunol** 1986 Sep; 8(5):513–27

Schistosoma mansoni: interactions of adult parasites with the complement system. Rasmussen KR, et al. **Parasite Immunol** 1987 Mar;9(2):235–48

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. II. Cell-mediated lymphoproliferative response. el-Bassiouny AE, et al. **Parasitol Res** 1987;73(4):334–40

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. I. Changes of specific immunoglobulins. Shaker ZA, et al. **Parasitol Res** 1987; 73(4):328–33

Immunity in human schistosomiasis mansoni: prevention by blocking antibodies of the expression of immunity in young children. Butterworth AE, et al. **Parasitology** 1987 Apr;94 (Pt 2):281–300

The blocking of human antibody-dependent, eosinophil-mediated killing of Schistosoma mansoni schistosomula by monoclonal antibodies which cross-react with a polysaccharide-containing egg antigen. Dunne DW, et al. **Parasitology** 1987 Apr;94 (Pt 2):269–80

Identification and characterization of a polysaccharide-containing antigen from Schistosoma mansoni eggs which cross-reacts with the surface of schistosomula. Dunne DW, et al. **Parasitology** 1987 Apr; 94 (Pt 2):255–68

Immunity to Schistosoma mansoni in congenitally athymic, irradiated and mast cell-depleted rats. Ford MJ, et al. **Parasitology** 1987 Apr;94 (Pt 2):313–26

The isotypes of antibody responsible for the 'late' passive transfer of immunity in rats vaccinated with highly irradiated cercariae. Ford MJ, et al. **Parasitology** 1987 Jun; 94 (Pt 3):509–22

Surface antigens of and cross-protection between two geographical isolates of Schistosoma mansoni. Hackett F, et al. **Parasitology** 1987 Apr;94 (Pt 2):301–12

Identification of paramyosin as schistosome antigen recognized by intradermally vaccinated mice. Lanar DE, et al. **Science** 1986 Oct 31;234(4776):593–6

The recognition of Schistosoma mansoni surface antigens by antibodies from patients infected with S. mansoni and S. haematobium. Simpson AJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):261–70

Parasitological evaluation of curative and subcurative doses of 9-acridanone-hydrazone drugs against Schistosoma mansoni in baboons, and observations on changes in serum levels of anti-egg antibodies detected by ELISA. Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):188–92

[Immunofluorescent reaction of antibodies directed against antigens from the intestinal epithelium of Schistosoma mansoni. III. Study of the reactivity of monoclonal antibodies] Appriou M, et al. **Ann Parasitol Hum Comp** 1986;61(4):435–46 (Eng. Abstr.) **(Fre)**

[Serodiagnosis of schistosomiasis mansoni using an egg extract semi-purified by precipitation with ammonium sulfate] Ouattara SA, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):766–71 (Eng. Abstr.) **(Fre)**

[Simultaneous determination of specific antigen, antibody and immune complexes in the serum of patients with chronic schistosomiasis] Surerus Campos DG, et al. **Mem Inst Oswaldo Cruz** 1986 Apr–Jun;81(2):135–44 (Eng. Abstr.) **(Por)**

ISOLATION & PURIFICATION

[Features of the isolation of Schistosoma mansoni eggs in experimentally infested golden and Djungarian hamsters] Zelia OP, et al. **Med Parazitol (Mosk)** 1987 May–Jun; (3):67–71 (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolism of adenosine analogues by Schistosoma mansoni and the effect of nucleoside transport inhibitors. el Kouni MH, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1099–106

Transfer of [14C] cholesterol and its metabolites between adult male and female worms of Schistosoma mansoni. Silveira AM, et al. **Comp Biochem Physiol [B]** 1986; 85(4):851–7

Schistosoma mansoni: protein composition and synthesis during early development; evidence for early synthesis of heat shock proteins. Yuckenberg PD, et al. **Exp Parasitol** 1987 Jun;63(3):301–11

The chemical stimuli of human skin surface for the attachment response of Schistosoma mansoni cercariae. Granzer M, et al. **Int J Parasitol** 1986 Dec;16(6):575–9

Schistosoma mansoni synthesizes glycoproteins containing terminal O-linked N-acetylglucosamine residues. Nyame K, et al. **J Biol Chem** 1987 Jun 15;262(17):7990–5

Choline incorporation by Schistosoma mansoni: distribution of choline metabolites during development and after sexual differentiation. Ancelin ML, et al. **J Parasitol** 1987 Jun; 73(3):530–5

Utilization of the heme moiety of hemoglobin by Schistosoma mansoni schistosomules in vitro. Foster LA, et al. **J Parasitol** 1986 Oct;72(5):669–76

Complement and 5-HT increase phosphatidylcholine incorporation into the outer bilayers of Schistosoma mansoni. Young BW, et al. **J Parasitol** 1986 Oct;72(5):802–3

The phospholipid and fatty acid composition of Schistosoma mansoni and of its purified tegumental membranes. Allan D, et al. **Mol Biochem Parasitol** 1987 Mar;23(2):123–8

Interaction of the plant toxin ricin with different life cycle stages of Schistosoma mansoni. Cushley W, et al. **Mol Biochem Parasitol** 1987 May;24(1):67–71

Schistosoma mansoni: phospholipid methylation and the escape of schistosomula from in vitro cytotoxic reaction. Parra JF, et al. **Mol Biochem Parasitol** 1986 Nov; 21(2):151–9

Surface proteins and antigens of adult Schistosoma mansoni tegumental membranes detached onto poly-lysine coated beads. Payares G, et al. **Mol Biochem Parasitol** 1987 Mar; 23(2):129–37

Glycogen metabolism in Schistosoma mansoni worms after their isolation from the host. Tielens AG, et al. **Mol Biochem Parasitol** 1987 Jul;24(3):247–54

L-glutamine: an amino acid required for maintenance of the tegumental membrane potential of Schistosoma mansoni. Lane CA, et al. **Parasitology** 1987 Apr;94 (Pt 2):233–42

[Use of latex balls labelled by lectins in the demonstration of Salmonella-Schistosoma mansoni receptor sites] Miegeville M, et al. **C R Acad Sci [III]** 1987;305(7):255–8 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Experimental infection with Schistosoma mansoni of Biomphalaria straminea from different parts of the Northeast of Brazil. Malek EA, et al. **Rev Inst Med Trop Sao Paulo** 1986 May–Jun;28(3):160–5

Schistosomiasis mansoni: evidence for a milder response in germfree mice. Viera LQ, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan–Feb;29(1):37–42

[Experimental behavior of samples of Schistosoma mansoni in relation to clinical forms of schistosomiasis. I—Study in mice] Conceição MJ, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):61–6 (Eng. Abstr.) **(Por)**

[Schistosoma mansoni: experimental infection in mice through the ear and quantification of the parasitism in the skin] Gerken SE, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov–Dec;28(6):381–8 (Eng. Abstr.) **(Por)**

[Comparative efficiency of infecting laboratory animals via intravenous and subcutaneous administration of Schistosoma mansoni cercaria] Zelia OP, et al. **Parazitologiia** 1986 Nov–Dec;20(6):461–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Calmodulin: biochemical, physiological, and morphological effects on Schistosoma mansoni. Thompson DP, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1051–8

Lack of demonstrable density-dependent fecundity of schistosomiasis mansoni: analyses of Egyptian quantitative human autopsies. Wertheimer SP, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):79–84

Differential adhesive properties of the surface of human blood flukes Schistosoma mansoni. Sexual, regional, and developmental differences in interfacial free energies and structure of glycocalyx. Podesta RB, et al. **Cell Biophys** 1987 Feb;10(1):23–31

Effect of Schistosoma mansoni on the gross lipid composition of its vector Biomphalaria glabrata. Thompson SN. **Comp Biochem Physiol [B]** 1987;87(2):357–60

Schistosoma mansoni: migration potential of normal and radiation attenuated parasites in naive guinea pigs. Kamiya H, et al. **Exp Parasitol** 1987 Feb;63(1):98–107

Schistosoma mansoni: activation of hemolytic activity in homogenates from live adult worms. Kasschau MR, et al. **Exp Parasitol** 1986 Dec;62(3):442–9

Possible mechanisms of the decoy effect in Schistosoma mansoni transmission. Combes C, et al. **Int J Parasitol** 1987 Apr;17(4):971–5

Shedding patterns of Schistosoma mansoni and Ribeiroia marini cercariae from a mixed infection of Biomphalaria glabrata. Théron A, et al. **J Helminthol** 1986 Dec; 60(4):255–9

Clq enhancement of IgG-dependent eosinophil-mediated killing of schistosomula in vitro. Hamada A, et al. **J Immunol** 1987 Feb 15;138(4):1240–5

Topographic shifting of primary sporocysts of Schistosoma mansoni in Biomphalaria pfeifferi as a result of coinfection with Echinostoma caproni. Jourdane J, et al. **J Invertebr Pathol** 1986 Nov;48(3):269–74

Serum factors from infected baboons inhibit oviposition and cause unpairing of Schistosoma mansoni in vitro. Bosshardt SC, et al. **J Parasitol** 1986 Aug;72(4):583–7

The fecundity of Schistosoma mansoni in chronic nonhuman primate infections and after transplantation into naive hosts. Damian RT, et al. **J Parasitol** 1986 Oct;72(5):741–7

Schistosoma mansoni: mechanism of attrition and routes of migration from lungs to hepatic portal system in the laboratory mouse. Georgi JR, et al. **J Parasitol** 1987 Aug; 73(4):706–11

The role of Schistosoma mansoni males in feeding and development of female worms. Gupta BC, et al. **J Parasitol** 1987 Jun;73(3):481–6

Evidence for transfer of a glycoprotein from male to female Schistosoma mansoni during pairing. Gupta BC, et al. **J Parasitol** 1987 Jun;73(3):674–5

Effects of environmental calcium on fecundity and cercarial production of Biomphalaria glabrata (Say) infected with Schistosoma mansoni Sambon. Mishkin EM, et al. **J Parasitol** 1986 Dec;72(6):885–90

Characterization of the 31P NMR spectrum of the schistosome vector Biomphalaria glabrata and of the

changes following infection by Schistosoma mansoni. Thompson SN, et al. **J Parasitol** 1987 Feb;73(1):64–76

Kinetic correlation of the acquisition of resistance to immune attack in schistosomula of Schistosoma mansoni with a developmental change in membrane potential. Pearce EJ, et al. **Mol Biochem Parasitol** 1986 Dec;21(3):259–67

Schistosoma mansoni: autoradiographic tracking studies of isotopically-labelled challenge parasites in naive and vaccinated CBA/Ca mice. Kamiya H, et al. **Parasite Immunol** 1987 Jul;9(4):515–29

Increased oviposition and growth in immature Biomphalaria glabrata after exposure to Schistosoma mansoni. Thornhill JA, et al. **Parasitology** 1986 Dec;93 (Pt 3):443–50

Density-dependent fecundity in Schistosoma mansoni infections in man: a reply [letter] Cheever AW. **Trans R Soc Trop Med Hyg** 1986;80(6):991–2

Migration of two Egyptian strains of Schistosoma mansoni in hamsters. Mansour NS, et al. **Z Parasitenkd** 1986; 72(6):847–50

[17 beta-estradiol receptors in Schistosoma mansoni. Contribution to the explanation of the protective power of this hormone in Schistosoma mansoni bilharziasis in the mouse. Preliminary study] Barrabes A, et al. **Ann Parasitol Hum Comp** 1986;61(6):637–41 (Eng. Abstr.) **(Fre)**

[Variability of Schistosoma mansoni strains in cercariae production] Conceição MJ, et al. **Mem Inst Oswaldo Cruz** 1986 Oct–Dec;81(4):473–4 (Eng. Abstr.) **(Por)**

[Mollusca of the genus Biomphalaria from Minas Gerais, in relation to host–parasite adaptation and importance in the epidemiology of schistosomiasis] de Souza CP. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct;28(5):287–92 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

An unsheathed biciliated sensory papilla associated with the tegument of Schistosoma mansoni. Cousin CE, et al. **J Parasitol** 1987 Jun;73(3):675–7

Degenerative changes in the reproductive organs of female schistosomes during maintenance in vitro. Irie Y, et al. **J Parasitol** 1987 Aug;73(4):829–35

Actin and intermediate-sized filaments of the spines and cytoskeleton of Schistosoma mansoni. Abbas MK, et al. **Parasitol Res** 1987;73(1):66–74

SCHISTOSOMATIDAE

ANALYSIS

Histochemistry of the cercaria of Orientobilharzia turkestanica (Skrjabin, 1913). Zdárská Z, et al. **Folia Parasitol (Praha)** 1986;33(4):327–30

GENETICS

Chromosomes of Heterobilharzia americana (Digenea: Schistosomatidae) from Texas. Short RB, et al. **J Parasitol** 1986 Oct;72(5):807–9

GROWTH & DEVELOPMENT

Development of Trichobilharzia australis Blair & Islam, 1983 in the snail, Lymnaea lessoni Deshayes and in an experimental definitive host, the Muscovy duck. Islam KS. **J Helminthol** 1986 Dec;60(4):301–6

Differential susceptibility of snail hosts to Heterobilharzia americana from Texas and Louisiana. Malek EA, et al. **J Parasitol** 1987 Aug;73(4):872–3

PHYSIOLOGY

The penetration of mammalian skin by cercariae of Trichobilharzia sp. (Trematoda: Schistosomatidae) from South Africa. Appleton CC, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):209–11

Alterations in the internal defence system of the pond snail Lymnaea stagnalis induced by infection with the schistosome Trichobilharzia ocellata. van der Knaap WP, et al. **Parasitol Res** 1987;73(1):57–65

SCHISTOSOMIASIS

Some aspects of bilharzia in southern Africa. Pitchford RJ. **S Afr Med J** 1986 Oct 11;Suppl:80–2

BLOOD

Detection of high molecular weight eosinophil chemotactic factor in murine schistosomiasis sera. Owhashi M, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1192–7

Serum immunoreactive somatomedin-C levels in growth failure and delayed puberty associated with chronic hepatosplenic schistosomiasis. Cavaliere H, et al. **Clin Endocrinol (Oxf)** 1986 Jun;24(6):617–26

Some metabolic studies and its correlation with clinical condition in bilharzial hepatic fibrosis. el-Assiouty IM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):593–600

Serum testosterone level variation in bilharzial male patients. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1987 Jun; 17(1):87–92

CEREBROSPINAL FLUID

[Cerebrospinal fluid signalization in chronic inflammatory diseases of the central nervous system] Livramento JA, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):351–8 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Bilharzial salpingitis and ectopic tubal pregnancy [letter] Graubard Z, et al. **S Afr Med J** 1987 Apr 18;71(8):537

Conservative management of surgical acute renal failure due to schistosomiasis. A case report. Strang JI. **S Afr Med J** 1987 Jan 10;71(1):55–6

The distal splenorenal shunt in patients with variceal bleeding due to schistosomal hepatic fibrosis. Bessa SM, et al. **Surg Gynecol Obstet** 1987 Aug;165(2):143–7

DIAGNOSIS

The value of colonoscopy in schistosomal, tuberculous, and amebic colitis. Two-year experience. Radhakrishnan S, et al. **Dis Colon Rectum** 1986 Dec;29(12):891–5

Comparative efficacy of faecal examination & serological methods in experimental schistosomiasis in mouse. Panesar N, et al. **Indian J Med Res** 1986 Oct;84:366–73

Correlation between circumoval precipitin test and intensity of infection in intestinal schistosomiasis. Madwar MA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):521–4

Serologic diagnosis of schistosomiasis in Saudi Arabia. Hossain A, et al. **J Med Clin Exp Theor** 1986;17(3–4):263–6

An evaluation of the ELISA for schistosomiasis in a hospital population. Tosswill JH, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):435–8

[Serodiagnosis of bilharziasis by indirect ELISA reaction] Sabatier P, et al. **Arch Inst Pasteur Madagascar** 1986; 52(1):23–32 **(Fre)**

[Comparative study of the human basophil degranulation test and total and specific IgE levels in schistosomiasis. 54 cases] Grivaux M, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(2):211–7 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Modulation of murine schistosomiasis by exogenously administered prostaglandins. Chensue SW, et al. **Am J Pathol** 1986 Oct;125(1):28–34

Treatment of schistosomiasis. Webbe G. **Eur J Clin Pharmacol** 1987;32(5):433–6

Antischistosomal chemotherapy. Khalil HM. **J Egypt Soc Parasitol** 1987 Jun;17(1):309–15 (13 ref.)

Effect of dietary zinc supplementation on the pathogenesis of hepatosplenomegaly in experimental schistosomiasis. Mansour MA, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):645–51

Effect of oxamniquine and praziquantel on intrasplenic pressure and portal vein diameter in hepatosplenic schistosomiasis. Massoud AM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):427–37

[Comparison of the activity of current antischistosomal agents and their use in children] Bougnoux ME, et al. **Ann Pediatr (Paris)** 1987 May;34(5):397–402 (Eng. Abstr.) **(Fre)**

HISTORY

Prospects for immunological intervention in human schistosomiasis. Historical perspectives. Davis A. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:8–12

[La Tunisie Médicale. 1re Année—No. 6. 15 June 1911. Bilharziasis in Tunisia. By M. A. Conor] **Tunis Med** 1986 Jun–Jul;64(6–7):651–9 **(Fre)**

IMMUNOLOGY

Stage-specific schistosome antigens. Cioli D, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:70–4 (29 ref.)

Immunization with schistosome membrane antigens. Harn A. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:46–9

Strategies for induction of protective immunity against schistosomes. Sher A, et al. **Acta Trop (Basel)** 1987 Jun; 44 Suppl 12:41–5 (20 ref.)

The mouse model of schistosome immunity. Smithers SR, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:21–30 (51 ref.)

Studies of tolerance in schistosomiasis. McCurley TL, et al. **Cell Immunol** 1986 May;99(2):411–21

Mechanisms of immune evasion in schistosomiasis. Pearce EJ, et al. **Contrib Microbiol Immunol** 1987;8:219–32 (68 ref.)

Vaccination against schistosomes and other systemic helminths. Smithers SR. **Int J Parasitol** 1987 Feb; 17(1):31–42 (88 ref.)

The IgE in sera and ascitic fluids of Egyptian patients with bilharzial hepatosplenomegaly. Hussein MM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):617–20

Immunity to schistosomiasis [editorial] **Lancet** 1987 May 2; 1(8540):1015–6

Immunopathology of schistosomiasis [editorial] **Lancet** 1987 Jul 25;2(8552):194–5

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. I. Changes of specific immunoglobulins. Shaker ZA, et al. **Parasitol Res** 1987; 73(4):328–33

Antibodies of the IgE and IgG isotype, serum IgE and circulating immune complexes in schistosomiasis intercalatum. Zwingenberger K, et al. **Parasitol Res** 1987; 73(3):259–64

The schistosome egg granuloma: immunopathology in the cause of host protection or parasite survival? Doenhoff MJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):503–14

[Immune response in schistosomiasis] Ricciuti C, et al. **Clin Ter** 1987 Mar 31;120(6):489–94 (Eng. Abstr.) **(Ita)**

METABOLISM

Trace elements in bilharzial hepatic fibrosis and encephalopathy. Abdel-Maguid S, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):469–76

Simultaneous radio-isotopic study of both fibrinogen and platelets in hepatic schistosomiasis. Tewfik SA, et al. **J Trop Med Hyg** 1987 Jun;90(3):143–7

OCCURRENCE

Epidemiological considerations for development of a schistosome vaccine. Mott KE. **Acta Trop (Basel)** 1987 Jun; 44 Suppl 12:13–20 (17 ref.)

Autochthonous case of Schistosoma intercalatum from equatorial guinea. Corachan M, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):343–4

Schistosomiasis [editorial] Ebrahim GJ. **J Trop Pediatr** 1986 Oct;32(5):210–1

A social and economic analysis of schistosomiasis: a conceptual framework and a research strategy. Herrin AN. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):413–20

[Prevalence of bilharzia antibodies in the pediatric population of the village of Pointe-Noire (Republic of the Congo)] Josse R, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(3):368–71 (Eng. Abstr.) **(Fre)**

[Schistosome dermatitis] Tsyrkunov LP. **Med Parazitol (Mosk)** 1987 Mar–Apr;(2):73–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The radiographic evaluation of appendiceal calcification due to schistosomiasis. Fataar S, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1157–62

The pathology of experimental Schistosoma curassoni infections in mice and hamsters. Vercruysse J, et al. **Vet Pathol** 1986 Nov;23(6):668–72

PREVENTION & CONTROL

Prospects for immunological intervention in human schistosomiasis. Proceedings of a meeting of the Scientific Working Group on Schistosomiasis, UNDP/WORLD BANK/WHO Special Programme for Research and Training in Tropical Diseases. Geneva, 26–28 May 1986. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:1–117

Complex control of schistosomiasis. Schubert S. **Angew Parasitol** 1986 Aug;27(3):151–6 (17 ref.)

The chemotherapy of schistosomiasis control. **Bull Pan Am Health Organ** 1986;20(1):68–9

Schistosoma spp.: progress toward a defined vaccine. James SL. **Exp Parasitol** 1987 Jun;63(3):247–52 (42 ref.)

Report of an independent evaluation mission on the National Bilharzia Control Program, Egypt, 1985 (abridged version). **Trans R Soc Trop Med Hyg** 1987;81 Suppl:1–57

RADIOTHERAPY

Postoperative radiotherapy of carcinoma in bilharzial bladder using a three-fractions per day regimen. Zaghloul MS, et al. **Radiother Oncol** 1986 Aug;6(4):257–65

SURGERY

Distal splenorenal shunt for management of variceal bleeding in patients with schistosomal hepatic fibrosis. Ezzat FA, et al. **Ann Surg** 1986 Nov;204(5):56(–73

TRANSMISSION

Technique to detect schistosome cercariae in natural water through exposure of sentinel hamsters. Chandiwana SK. **J Parasitol** 1987 Apr;73(2):452–4

Clinical presentation of Schistosoma intercalatum infestation [letter] Corachan M, et al. **Lancet** 1987 May 16; 1(8542):1139–40

VETERINARY

Serum enzyme changes in calves experimentally infected with Schistosoma bovis. Mahmoud OM, et al. **J Comp Pathol** 1987 May;97(3):335–9

Experimental infection of rhesus monkeys with Schistosoma incognitum and Orientobilharzia dattai. Das M, et al. **Vet Parasitol** 1986 Nov;22(1–2):151–5

SCHISTOSOMIASIS HAEMATOBIA

COMPLICATIONS

Daily urinary protein loss in Schistosoma haematobium infection. Doehring E, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):954–8

Balloon dilatation of bilharzial ureteric strictures. Jacobsson B, et al. **Br J Urol** 1987 Jul;60(1):28–32

Bilharziasis in malignant tumours of the urinary bladder. Al-Shukri S, et al. **Br J Urol** 1987 Jan;59(1):59–62

The role of dilatation in bilharzial ureters. Wishahi MM. **Br J Urol** 1987 May;59(5):405–7

Schistosomiasis of female genital tract. Arora HL, et al.

Indian J Pathol Microbiol 1986 Jan;29(1):71–3
Study of leukocyturia and bacteriuria among patients with urinary bilharziasis. el-Hawey AM, et al.
J Egypt Soc Parasitol 1986 Dec;16(2):549–62
Transverse myelitis caused by schistosomiasis during pregnancy. A case report. Truter PJ, et al.
S Afr Med J 1987 Feb 7;71(3):184–5
The incidence of squamous and transitional cell carcinomas of the urinary bladder in northern Tanzania in areas of high and low levels of endemic Schistosoma haematobium infection. Kitinya JN, et al.
Trans R Soc Trop Med Hyg 1986;80(6):935–9
Immunohistochemical observations of keratins, involucrin, and epithelial membrane antigen in urinary bladder carcinomas from patients infected with Schistosoma haematobium. Fukushima S, et al. **Virchows Arch [A]** 1987; 411(2):103–15
[Cutaneous schistosomiasis of the chest] Develoux M, et al. **Ann Dermatol Venereol** 1987;114(5):695–7 **(Fre)**
[A misleading manifestation of urogenital schistosomiasis in man] Hamida K, et al. **J Radiol** 1987 Feb;68(2):133–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Screening methods for urinary schistosomiasis in an endemic area (the Kraboa/Coaltar district of Ghana). Ofori-Adjei D, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):365–6
Detection and quantification of circulating antigen in schistosomiasis by monoclonal antibody. II. The quantification of circulating antigens in human schistosomiasis mansoni and haematobium: relationship to intensity of infection and disease status. Feldmeier H, et al. **Clin Exp Immunol** 1986 Aug;65(2):232–43
Comparative studies on indirect haemagglutination test and enzyme linked immunosorbent assay for diagnosis of schistosomiasis. el-Ridi AM, et al.
J Egypt Soc Parasitol 1986 Dec;16(2):587–92
Further observations on the use of gross haematuria as an indirect screening technique for the detection of Schistosoma haematobium infection in school children in Dar es Salaam, Tanzania. Sarda RK, et al.
J Trop Med Hyg 1986 Dec;89(6):309–12
Reversibility of urinary tract abnormalities due to Schistosoma haematobium infection. Doehring E, et al. **Kidney Int** 1986 Oct;30(4):582–5
Nytrel filters not re-usable [letter] Klumpp RK, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):494–5
[Urogenital bilharziasis. 3 recent case reports. Diagnostic elements. Medical treatment] Dardenne B, et al. **Acta Urol Belg** 1986;54(3):265–80 (Eng. Abstr.) **(Fre)**
[Schistosomiasis and cancer of the bladder in the Ouémé Valley. Importance of a new technic of cell and parasite concentration using gum arabic] Galley F, et al. **Arch Anat Cytol Pathol** 1987;35(2):101–6 (Eng. Abstr.) **(Fre)**
[Apropos of a case of neurologic bilharziasis] Yahyaoui M, et al. **Maroc Med** 1986 Sep;8(3):385–9 (Eng. Abstr.) **(Fre)**
[Urinary bilharziasis. Report of a new case] Martínez Torres JL, et al. **Arch Esp Urol** 1986 Jul-Aug;39(6):422–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Dosage trial of a combination of oxamniquine and praziquantel in the treatment of schistosomiasis in Zimbabwean schoolchildren. Creasey AM, et al.
Cent Afr J Med 1986 Jul;32(7):165–7
Single dose metrifonate in the treatment of urinary schistosomiasis in an area of low prevalence and intensity of infection. Tswana SA, et al. **Cent Afr J Med** 1986 Jun; 32(6):133–7
Influence of the dosing interval on the response of urinary schistosomiasis to therapy with niridazole. Abdu-Aguye I, et al. **East Afr Med J** 1986 Oct;63(10):635–9
A simplified dosage schedule of metrifonate in the treatment of Schistosoma haematobium infection in Somalia. Aden-Abdi Y, et al. **Eur J Clin Pharmacol** 1987; 32(5):437–41
Evaluation of praziquantel efficiency in the treatment of schistosomiasis. Khalil HM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):403–12
Studies on the effect of Amoscanate on the immature stages of S. mansoni and S. haematobium worms in hamsters. Khalil SB, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):699–706
Chemotherapy in the control of urinary schistosomiasis in Nigeria. Chuks Ejezie G, et al. **J Trop Med Hyg** 1987 Jun; 90(3):149–51
Comparative trials of regimes for the treatment of urinary schistosomiasis in The Gambia. Wilkins HA, et al.
J Trop Med Hyg 1987 Apr;90(2):83–92
Haematuria and proteinuria in urinary schistosomiasis: response to therapy with praziquantel in Tanzanian children. Sarda RK, et al. **Trop Med Parasitol** 1987 Mar; 38(1):31–3
[Eosinophilic granulomatous hepatitis. Apropos of 3 cases] Penalba C, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(1):100–4 (Eng. Abstr.) **(Fre)**
[Kinetics of the antibody level in schistosomiasis under chemotherapy] Schlisio W, et al. **Z Gesamte Inn Med** 1986 Aug 1;41(15):422–7 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Sister-chromatid exchanges in lymphocytes from patients with Schistosoma hematobium. Shubber EK. **Mutat Res** 1987 Sep;180(1):93–9

IMMUNOLOGY

Immunity in human schistosomiasis. Butterworth AE.
Acta Trop (Basel) 1987 Jun;44 Suppl 12:31–40 (30 ref.)
Cell surface antigen in bilharzial bladder tumours. Halim A, et al. **Br J Urol** 1986 Oct;58(5):523–5
Markers and subpopulations of T lymphocytes in schistosomiasis. Khalil HM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):325–39
The rheumatoid factor in human schistosomiasis. Seifein HB, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):301–7
Immune responses and immunoregulation in relation to human schistosomiasis in Egypt. III. Immunity and longitudinal studies of in vitro responsiveness after treatment. Colley DG, et al.
Trans R Soc Trop Med Hyg 1986;80(6):952–7
The recognition of Schistosoma mansoni surface antigens by antibodies from patients infected with S. mansoni and S. haematobium. Simpson AJ, et al.
Trans R Soc Trop Med Hyg 1986;80(2):261–70

OCCURRENCE

Status of human schistosomiasis on the eastern side of Kainji Lake area of Nigeria. Adekolu-John EO, et al.
East Afr Med J 1986 Jul;63(7):463–70
Schistosomiasis: a twenty-year review. Al-Juburi AZ, et al.
J Arkansas Med Soc 1987 Jun;84(1):47–51
Prevalence of bilharziasis among children in Gharbia Governorate, Egypt. Kotb A, et al.
J Egypt Soc Parasitol 1987 Jun;17(1):109–14
Studies on schistosomiasis in the Niger Delta: prevalence of Schistosoma haematobium among inhabitants of Ahoada District. Arene FO, et al. **Public Health** 1986 Sep; 100(5):302–8
A survey of the prevalence of schistosomiasis in school children in the Bo and Tongo Field areas of Sierra Leone. Gbakima AA, et al. **Public Health** 1987 May;101(3):199–205
False epidemiological results from the bulk transport of dried filter papers in urinary schistosomiasis. Braun-Munzinger RA, et al. **Trop Med Parasitol** 1986 Sep;37(3):286–9
Epidemiological survey of urinary schistosomiasis in southeastern Mauritania. Etard JF, et al.
Trop Med Parasitol 1987 Mar;38(1):27–30
[Survey of schistosomiasis in the Gaya district (Republic of Niger)] Mouchet F, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):23–9 (Eng. Abstr.) **(Fre)**
[Critical study of an interdisciplinary survey of urinary schistosomiasis in Burkina Faso] Le Bras M, et al.
Bull Soc Pathol Exot Filiales 1986;79(3):398–408 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Decalcification of schistosome eggs during staining of tissue sections: a potential source of diagnostic error. Cheever AW. **Am J Trop Med Hyg** 1986 Sep;35(5):959–61

PATHOLOGY

Urinary tract lesions due to Schistosoma haematobium infection assessed by ultrasonography in a community based study in Niger. Heurtier Y, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1163–72
Schistosomiasis in a cystic teratoma of the ovary. Melato M, et al. **Clin Exp Obstet Gynecol** 1987;14(1):57–9
The effects of Schistosoma haematobium infestation on the vermiform appendix: the Nigerian experience. Duvie SO, et al. **J Trop Med Hyg** 1987 Feb;90(1):13–8
[Schistosomiasis caused by S. haematobium: clinical manifestations and endoscopic findings in Cuban and foreign patients] Diaz Hernández A, et al.
Rev Cubana Med Trop 1985 Sep-Dec;37(3):278–87 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[A case of ureteral bilharziasis followed for 22 years] Fievet JP, et al. **Med Trop (Mars)** 1987 Jan-Mar;47(1):73–9 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Screening and treatment of urinary schistosomiasis in Dar es Salaam. Sarda RK, et al. **J R Soc Health** 1987 Feb; 107(1):26–7
Schistosomiasis control in the southern province of Saudi Arabia. Sinha NP, et al. **J R Soc Health** 1987 Jun;107(3):79, 83
Knowledge attitudes and practices in relation to schistosomiasis in a rural community. Taylor P, et al.
Soc Sci Med 1987;24(7):607–11

PSYCHOLOGY

The effects of Schistosomiasis haematobium on the activity of school children. Kvalsvig JD. **J Trop Med Hyg** 1986 Apr;89(2):85–90

RADIOGRAPHY

Striation of the renal pelvis and ureter in bilharziasis. Hugosson C. **Clin Radiol** 1987 Jul;38(4):407–9
Early ureteric changes in Schistosoma haematobium infection. Hugosson CO, et al. **Clin Radiol** 1986 Sep; 37(5):501–3

SURGERY

Full-length ureteric splintage in the management of bilharzial ureteric strictures. Rady MY, et al. **Br J Urol** 1987 Apr; 59(4):297–9
[Surgical management in the pathology of the schistosomiasis ureter] Castiñeiras J, et al. **Arch Esp Urol** 1987 Mar; 40(2):65–9 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Resumption of Schistosoma haematobium transmission after drought and subsequent flood. Appleton CC.
Ann Trop Med Parasitol 1986 Jun;80(3):367–8
Urinary schistosomiasis acquired in Mali, West Africa. II. Investigation of returnees exposed to risk environment. Wijesundera MS, et al. **Ceylon Med J** 1986 Dec; 31(4):189–92
Urinary schistosomiasis acquired in Mali, West Africa. I. Case report of Schistosoma haematobium infection in a Sri Lankan with a note on the parasitic life cycle and the risk of local transmission. Wijesundera MS, et al.
Ceylon Med J 1986 Dec;31(4):181–7
Schistosomiasis in an American medical investigator. Young D, et al. **J Clin Gastroenterol** 1986 Oct;8(5):589–93
Transmission of urinary schistosomiasis in man-made habitats in The Gambia [letter] Wilkins HA, et al.
Trans R Soc Trop Med Hyg 1986;80(6):1009–10

SCHISTOSOMIASIS, INTESTINAL see **SCHISTOSOMIASIS MANSONI**

SCHISTOSOMIASIS JAPONICA

Schistosoma japonicum-like infection in Phichit province, northern Thailand: a case report. Bunnag T, et al.
Southeast Asian J Trop Med Public Health 1986 Jun; 17(2):189–93

COMPLICATIONS

Prevalence of renal involvement in Schistosoma japonicum infection. Watt G, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):339–42
[Immune-complex nephropathy in mice infected with Schistosoma japonicum] Yan ZZ, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(1):14–7 (Eng. Abstr.) **(Chi)**
[Schistosomiasis and its prognostic significance in patients with colorectal cancer. National Cooperative Group on Pathology and Prognosis of Colorectal Cancer]
Chung Hua Chung Liu Tsa Chih 1986 Mar;8(2):149–51 (Eng. Abstr.) **(Chi)**
[Schistosomiasis japonicum and colon cancer--an inquiry about the pathogenesis of colon cancer by using the logistic regression model] Guo ZR.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1987 Feb; 8(1):21–4 (Eng. Abstr.) **(Chi)**
[Relationship between gastric schistosomiasis and gastric cancer, chronic gastric ulcer and chronic gastritis: pathological analysis of 79 cases] Zhou XX.
Chung-hua Ping Li Hsueh Tsa Chih 1986 Mar;15(1):62–4 (Eng. Abstr.) **(Chi)**

DIAGNOSIS

Collaborative study on antigens for immunodiagnosis of Schistosoma japonicum infection. Mott KE, et al.
Bull WHO 1987;65(2):233–44
Dot-ELISA in the diagnosis of schistosomiasis. Xue HC, et al. **Chin Med J [Engl]** 1987 Feb;100(2):113–5
Antibodies of patients infected with Schistosoma japonicum crossreact with diagnostic proteins of Schistosoma mansoni. Ruppel A, et al. **J Tongji Med Univ** 1986; 6(3):138–43
[Application of self-made alkaline phosphatase for ELISA in schistosomiasis japonica] Huang WC, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(2):93–5 (Eng. Abstr.) **(Chi)**
[Use of dot-ELISA in the diagnosis of schistosomiasis] Xue HC, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(4):277–9 (Eng. Abstr.) **(Chi)**
[The application of biotin-avidin system in the diagnosis of schistosomiasis japonica] Zhang WC, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(1):8–11 (Eng. Abstr.) **(Chi)**

DRUG THERAPY

Comparative efficacy of praziquantel and its optic isomers in experimental therapy of schistosomiasis japonica in rabbits. Liu YH, et al. **Chin Med J [Engl]** 1986 Dec; 99(12):935–40
Efficacy of single oral doses of praziquantel in treatment of schistosoma japonicum infection. Liu YH, et al.
Chin Med J [Engl] 1986 Jun;99(6):470–2
[Praziquantel and its levo-and dextro-isomers for the

treatment of rabbits infected with schistosomiasis japonica] Wang XG, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun; 25(6):332–4, 380 (Eng. Abstr.) **(Chi)**

[A study on praziquantel treatment of schistosomiasis] Xu ZY, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Jun; 25(6):328–31, 380 (Eng. Abstr.) **(Chi)**

[Histological observations on schistosomula of Schistosoma japonicum in mouse lung and liver after treatment with praziquantel] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):285–7 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Resistance of 129/J mice to Schistosoma mansoni infection. Tiu WU, et al. **Aust J Exp Biol Med Sci** 1986 Aug;64 (Pt 4):345–9

Eosinophil chemotactic lymphokine produced by egg-associated granulomas in murine schistosomiasis japonicum. Owhashi M, et al. **Infect Immun** 1986 Dec; 54(3):723–7

Inhibition of immediate and Arthus responses to schistosome egg antigens by T cells from Schistosoma japonicum–infected mice. Stavitsky AB, et al. **Infect Immun** 1986 Nov;54(2):590–2

Reactivity of two major allergens isolated from Schistosoma japonicum eggs against IgE and IgG antibodies in human serum. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):213–6

Eosinophil chemotactic lymphokine produced by spleen cells of Schistosoma japonicum–infected mice. II. Physicochemical heterogeneity of eosinophil chemotactic lymphokines selective to bone marrow– or peritoneal exudate–eosinophils. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):290–5

The involvement of eggs and soluble egg antigens in resistance to Schistosoma japonicum. Moloney NA, et al. **J Helminthol** 1987 Mar;61(1):9–17

Production and properties of a moute monoclonal IgE antibody to Schistosoma japonicum. Kojima S, et al. **J Immunol** 1987 Sep 15;139(6):2044–9

Immunoglobulins inside Schistosoma japonicum eggs from the livers of mice. Hirata M, et al. **J Parasitol** 1986 Aug; 72(4):578–82

Serum IgG, IgM, and C3 levels in Schistosoma japonicum infected rabbits. Robinson A. **Microbios** 1986;48(194):37–41

HLA-DQ is epistatic to HLA-DR in controlling the immune response to schistosomal antigen in humans. Hirayama K, et al. **Nature** 1987 Jun 4–10;327(6121):426–30

Passive transfer of resistance to mice with sera from rabbits, rats or mice vaccinated with ultraviolet–attenuated cercariae of Schistosoma japonicum. Moloney NA, et al. **Parasitology** 1987 Jun;94 (Pt 3):497–508

The induction of species–specific immunity against Schistosoma japonicum by exposure of rats to ultra–violet attenuated cercariae. Moloney NA, et al. **Parasitology** 1987 Feb;94 (Pt 1):49–54

Loss of resistance to reinfection with Schistosoma japonicum in mice after treatment with praziquantel. Moloney NA, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):247–54

Immunogenetic factors involved in the pathogenesis of distinct clinical manifestations of schistosomiasis japonica in the Philippine population. Ohta N, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):292–6

[Experimental observations on the efficacy of specific transfer factor and immuno–ribonucleic acid against schistosome infection] Zhang SH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):39–41 (Eng. Abstr.) **(Chi)**

[Positive false reaction of HBsAg (by RPHA) in patients with schistosomiasis and its mechanism] Gui X. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):680–2 **(Chi)**

[Effect of praziquantel on mice immunity in the early stage after infection with Schistosoma japonicum cercariae] Xiao SH, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):60–3 (Eng. Abstr.) **(Chi)**

[Relationship between the efficacy of praziquantel on rabbits infected with Schistosoma japonicum and the immune level of the host] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):725–30 (Eng. Abstr.) **(Chi)**

METABOLISM

Dynamics of hepatic glycosaminoglycan accumulation in murine Schistosoma japonicum infection. Olds GR, et al. **Gastroenterology** 1986 Dec;91(6):1335–42

Eosinophil chemotactic lymphokine produced by spleen cells of Schistosoma japonicum–infected mice. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):20–5

OCCURRENCE

[Two cases of chronic Schistosomiasis japonica contracted in the Tone River Basin of Saitama Prefecture] Tanaka M, et al. **Kansenshogaku Zasshi** 1986 Nov;60(11):1253–7 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Decalcification of schistosome eggs during staining of tissue sections: a potential source of diagnostic error. Cheever AW. **Am J Trop Med Hyg** 1986 Sep;35(5):959–61

[Effect of pyquiton on some histochemical activities of schistosomules of Schistosoma japonicum in mice] Yang YQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):21–3 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Cerebellar schistosomiasis (report of 11 cases). Zhang CG, et al. **Acta Acad Med Wuhan** 1985;5(4):247–51

PHYSIOPATHOLOGY

Effect of oral contraceptive on liver function tests of women with schistosomiasis in the Philippines. Sy FS, et al. **Contraception** 1986 Sep;34(3):283–94

Granulocyte–macrophage colony–stimulating factor enhances the production of eosinophil chemotactic lymphokine by egg–associated granulomas of Schistosoma japonicum–infected mice. Owhashi M, et al. **Infect Immun** 1987 Sep;55(9):2042–6

PREVENTION & CONTROL

Schistosomiasis control in hilly regions of Fujian Province. Chen GZ. **Chin Med J [Engl]** 1986 Apr;99(4):311–6

Recent progress in the control of schistosomiasis in China. Mao SB. **Chin Med J [Engl]** 1986 Jun;99(6):439–43

[A comparative study of COP and IHA in the epidemiological evaluation of schistosomiasis japonica in eradicated endemic area] Zhu YC, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):272–6 (Eng. Abstr.) **(Chi)**

RADIONUCLIDE IMAGING

Radionuclide study on hepatic blood flow in schistosomiasis japonica. Okada J, et al. **Kaku Igaku** 1986 Nov; 23(11):1517–22

[Radiorenographic study in advanced schistosomiasis. A report of 37 cases] Xiong KJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(1):44–6 (Eng. Abstr.) **(Chi)**

THERAPY

Modulation of Schistosoma japonicum pulmonary egg granulomas with monoclonal antibodies. Sidner RA, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):361–70

TRANSMISSION

[A field investigation on the probability of the dispersion of Schistosoma japonicum eggs to Oncomelania–infested bodies of water in 4 villages of Wuxian County] He SY, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):96–100 (Eng. Abstr.) **(Chi)**

SCHISTOSOMIASIS MANSONI

Subcutaneous implantation of the spleen as a new technique for experimental induction of hepatic Schistosoma mansoni egg granulomas. Botros SS, et al. **Trans R Soc Trop Med Hyg** 1986;80(4):515–6

[Pulmonary bilharziasis caused by Schistosoma mansoni with impairment of general state] Basset D, et al. **Med Trop (Mars)** 1986 Oct–Dec;46(4):405–8 (Eng. Abstr.) **(Fre)**

BLOOD

Granulocyte precursor cell studies in Schistosoma mansoni patients with eosinophilia. Kamal KA, et al. **Ann Clin Lab Sci** 1986 Nov–Dec;16(6):455–60

Measurement of peak blood levels of oltipraz in patients infected with S. mansoni: correlation with the drug's antischistosomal action. Homeida MM, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):369–71

Changes in unsaturated fatty acids in serum lipids of hamsters infected with schistosomes (S. mansoni). Allan D, et al. **Biochim Biophys Acta** 1987 Jun 2;919(2):199–202

Serum concentration of N–terminal procollagen peptide of collagen type III in schistosomal liver fibrosis. el–Mohandes M, et al. **Exp Mol Pathol** 1987 Jun; 46(3):383–90

Schistosoma mansoni: activation of hemolytic activity in homogenates from live adult worms. Kasschau MR, et al. **Exp Parasitol** 1986 Dec;62(3):442–9

[Alpha fetoprotein in schistosomiasis mansoni] Borges DR, et al. **Rev Paul Med** 1986 Sep–Oct;104(5):247–9 (Eng. Abstr.) **(Por)**

[Blood gastrin curves: difference of behavior to food stimulation in patients with hepatointestinal and hepatosplenic forms of schistosomiasis mansoni] Corrêa AR, et al. **Rev Paul Med** 1986 Jul–Aug;104(4):180–4 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Risk of hepatitis B infection among Egyptians infected with Schistosoma mansoni. Hyams KC, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1035–9

Acute mesenteric ischaemia caused by Schistosoma mansoni infection. Anayi S, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1197

The association of chronic hepatitis B infection with chronic Schistosomiasis mansoni in Kenya. van den Bosch CA. **East Afr Med J** 1987 Feb;64(2):95–101

Protein losing enteropathy: an unusual presentation of intestinal schistosomiasis. Kiire CF, et al. **Gut** 1987 May; 28(5):616–8

Appendicular schistosomiasis: a cause of clinical acute appendicitis? Satti MB, et al. **J Clin Pathol** 1987 Apr; 40(4):424–8

Schistosoma mansoni in the spinal cord: a correlation between operative and radiological findings [letter] Kerr RS, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun; 50(6):822–3

Schistosomal specific nephropathy leading to end–stage renal failure. Sobh MA, et al. **Kidney Int** 1987 Apr;31(4):1006–11

Schistosoma hepatic cirrhosis and bleeding esophageal varices. Rothman D. **NJ Med** 1987 May;84(5):348–9

Schistosomiasis and inflammatory polyarthritis: a clinical, radiological and laboratory study of 96 patients infected by S. mansoni with particular reference to the diarthrodial joint. Atkin SL, et al. **Q J Med** 1986 May;59(229):479–87

Aortic aneurysm caused by schistosomiasis. Vanker EA. **Thorax** 1986 Nov;41(11):890–1

Does ancylostomiasis favour the intensity of Schistosoma mansoni infection? [letter] Chamone M, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):1005

[Neuroschistosomiasis] Andrade AN. **Arq Neuropsiquiatr** 1986 Sep;44(3):275–9 (Eng. Abstr.) **(Por)**

[Evaluation of the permeability of distal splenorenal anastomosis, by ultrasonography and angiography in hepatosplenic form of schistosomiasis mansoni] Magalhães AC. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Nov–Dec; 41(6):260–6 (Eng. Abstr.) **(Por)**

[Colitis caused by Schistosoma mansoni] Oddó D, et al. **Rev Med Chil** 1986 Oct;114(10):973–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Ileocolonic schistosomiasis presenting as lymphoma. Zimbalist E, et al. **Am J Gastroenterol** 1987 May; 82(5):476–8

Development of a radioimmunoassay for the immunodiagnosis of schistosomiasis mansoni. Hillyer GV, et al. **Bol Asoc Med PR** 1986 Oct;78(10):431–3

Testicular schistosomiasis. Mitry NF, et al. **Br J Urol** 1986 Dec;58(6):726–7

Detection and quantification of circulating antigen in schistosomiasis by monoclonal antibody. II. The quantification of circulating antigens in human schistosomiasis mansoni and haematobium: relationship to intensity of infection and disease status. Feldmeier H, et al. **Clin Exp Immunol** 1986 Aug;65(2):232–43

Detection and quantification of circulating antigen in schistosomiasis by a monoclonal antibody. I. Specificity analysis of a monoclonal antibody with immunodiagnostic capacity. Nogueira–Queiroz JA, et al. **Clin Exp Immunol** 1986 Aug;65(2):223–31

The use of the ELISA test for the immunodiagnosis of Schistosoma mansoni infection: the Zambian experience. Sukwa TY, et al. **East Afr Med J** 1987 Jan;64(1):55–60

Clinical and pathological features of Schistosoma mansoni infection in the Eastern Province of Saudi Arabia. Huq MI, et al. **Indian J Pathol Microbiol** 1986 Jul;29(3):219–26

Serological studies of the antigens prepared from Biomphalaria glabrata snails infected and uninfected with Schistosoma mansoni. I. Indirect immunofluorescent antibody test using infected snail and adult worm antigens. Khalil HM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):61–9

Correlation between circumoval precipitin test and intensity of infection in intestinal schistosomiasis. Madwar MA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):521–4

Comparative studies on indirect haemagglutination test and enzyme linked immunosorbent assay for diagnosis of schistosomiasis. el–Ridi AM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):587–92

Simplification and standardization of dot–ELISA for human schistosomiasis mansoni. Boctor FN, et al. **J Parasitol** 1987 Jun;73(3):589–92

Early diagnosis of Schistosoma mansoni in mice using assays directed against cercarial antigens isolated by hydrophobic chromatography. Hayunga EG, et al. **J Parasitol** 1987 Apr; 73(2):351–62

Ultrasonography of pancreatic schistosomiasis: a case report. Bahakim HH, et al. **J Trop Med Hyg** 1986 Apr;89(2):81–4

Development of circulating antigen assay for rapid detection of acute schistosomiasis. Hayunga EG, et al. **Lancet** 1986 Sep 27;2(8509):716–8

[Immunofluorescent reaction of antibodies directed against antigens from the intestinal epithelium of Schistosoma mansoni. III. Study of the reactivity of monoclonal antibodies] Appriou M, et al. **Ann Parasitol Hum Comp** 1986;61(4):435–46 (Eng. Abstr.) **(Fre)**

[Serodiagnosis of bilharziasis caused by Schistosoma mansoni using the ELISA technic in Madagascar] Jouve M, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):41–51 **(Fre)**

[Serodiagnosis of schistosomiasis mansoni using an egg extract semi–purified by precipitation with ammonium sulfate] Ouattara SA, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):766–71 (Eng. Abstr.) **(Fre)**

[Schistosomiasis mansoni in Cuban patients. A clinical study of the first 4 cases imported from the People's Republic of Angola] Martínez Rodríguez R, et al. **Rev Cubana Med Trop** 1986 May–Aug;38(2):135–9 (Eng.

Abstr.) (Spa)

DRUG THERAPY

Dosage trial of a combination of oxamniquine and praziquantel in the treatment of schistosomiasis in Zimbabwean schoolchildren. Creasey AM, et al. **Cent Afr J Med** 1986 Jul;32(7):165–7

The influence of anti-parasitic therapy on the course of the glomerulopathy associated with Schistosomiasis mansoni. Martinelli R, et al. **Clin Nephrol** 1987 May;27(5):229–32

Evaluation of praziquantel efficiency in the treatment of schistosomiasis. Khalil HM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):403–12

Studies on the effect of Amoscanate on the immature stages of S. mansoni and S. haematobium worms in hamsters. Khalil SB, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):699–706

In vivo activity of an extract of Pavetta owariensis bark on experimental Schistosoma mansoni infection in mice. Baldé AM, et al. **J Ethnopharmacol** 1986 Nov;18(2):187–92

Acute schistosomiasis (Katayama fever): clinical deterioration after chemotherapy. Harries AD, et al. **J Infect** 1987 Mar;14(2):159–61

Double-blind therapeutical evaluation based on the quantitative oogram technique, comparing praziquantel and oxamniquine in human schistosomiasis mansoni. da Cunha AS, et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep–Oct; 28(5):337–51

Treatment of patients with schistosomiasis mansoni: a double blind clinical trial comparing praziquantel with oxamniquine. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 1986 May–Jun;28(3):174–80

Oltipraz: administration with food increases its anti-schistosomal activity. Homeida MM, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):908–10

Parasitological evaluation of curative and subcurative doses of 9-acridanone-hydrazone drugs against Schistosoma mansoni in baboons, and observations on changes in serum levels of anti-egg antibodies detected by ELISA. Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):188–92

[Kinetics of the antibody level in schistosomiasis under chemotherapy] Schlisio W, et al. **Z Gesamte Inn Med** 1986 Aug 1;41(15):422–7 (Eng. Abstr.) (Ger)

[Morbidity of schistosomiasis in Brazil. IV—Course in treated patients and their controls] dos Santos ML, et al. **Mem Inst Oswaldo Cruz** 1986 Jan–Mar;81(1):53–60 (Eng. Abstr.) (Por)

[Therapeutic evaluation of oltipraz in human S. mansoni infection] de Carvalho SA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul–Aug;28(4):271–7 (Eng. Abstr.) (Por)

ENZYMOLOGY

Hepatic cytochrome P-450 system in experimental hepatosplenic schistosomiasis. Presence of an artifact in spectrophotometric analysis. el Mouelhi M, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2621–6

Glutathione activation of a cysteine proteinase from Schistosoma mansoni. Chappell CL, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):335–41

Adherent peritoneal mononuclear cells express chloroacetate esterases in vitro. Nicola MH, et al. **Braz J Med Biol Res** 1986;19(2):227–31

[Intestinal activity of disaccharidases in schistosomiasis mansoni. Study of the course in mice with various degrees of infestation] Sadek MG, et al. **Rev Inst Med Trop Sao Paulo** 1986 Mar–Apr;28(2):67–73 (Eng. Abstr.) (Por)

[Changes in serum cholinesterase in schistosomiasis mansoni] Montes de Oca NV, et al. **Rev Cubana Med Trop** 1986 Sep–Dec;38(3):301–4 (Eng. Abstr.) (Spa)

ETIOLOGY

Acute schistosomiasis mansoni (Katayama syndrome). Farid Z, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):563–4

[Schistosomiasis mansoni in experimentally malnourished mice] Magalhães LA, et al. **Rev Saude Publica** 1986 Oct; 20(5):362–8 (Eng. Abstr.) (Por)

[Schistosomiasis as a possible cause of appendicitis in a person who visited an endemic region] Evengård B, et al. **Lakartidningen** 1987 Mar 4;84(10):750–2 (Swe)

FAMILIAL & GENETIC

Genetic association of defects in macrophage larvicidal activity and vaccine-induced resistance to Schistosoma mansoni in P strain mice. James SL, et al. **Infect Immun** 1987 Aug;55(8):1884–9

HISTORY

The biblical plague of "hemorrhoids". An outbreak of bilharziasis. Dirckx JH. **Am J Dermatopathol** 1985 Aug; 7(4):341–6

IMMUNOLOGY

Transfer of Schistosoma mansoni antibodies from mother to fetal and newborn mice. Bruijning CF, et al. **Acta Leiden** 1978;46:31–51

Immunity in human schistosomiasis. Butterworth AE. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:31–40 (30 ref.)

Protective antigens in experimental schistosomiasis. Capron A, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:63–9 (17 ref.)

Blocking antibodies and vaccine strategy in schistosomiasis. Capron M, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:55–62

Induction of cell-mediated immunity as a strategy for vaccination against Schistosoma mansoni. James SL, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:50–4 (14 ref.)

Characterization and cloning of Schistosoma mansoni immunogens recognized by protective antibodies. Strand M, et al. **Acta Trop (Basel)** 1987 Jun;44 Suppl 12:75–82

Immunogenicity of hepatitis B vaccine in patients infected with Schistosoma mansoni. Bassily S, et al. **Am J Trop Med Hyg** 1987 May;36(3):549–53

Vaccine-induced immunity in mice against Schistosoma mansoni trickle cercarial infections. Lewis FA, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):98–105

Stimulation of peripheral blood mononuclear cells from patients with schistosomiasis mansoni by living and fixed schistosomula, and schistosomular membrane extracts and vesicles. Vieira LQ, et al. **Am J Trop Med Hyg** 1987 Jan; 36(1):83–91

Monocytes activate eosinophils for enhanced helminthotoxicity and increased generation of leukotriene C4. Elsas P, et al. **Ann Inst Pasteur Immunol** 1987 Jan–Feb; 138(1):97–116

Resistance of 129/J mice to Schistosoma mansoni infection. Tiu WU, et al. **Aust J Exp Biol Med Sci** 1986 Aug;64 (Pt 4):345–9

The importance of collateral portal veins for resistance to schistosomiasis in mice. Medeiros MV, et al. **Braz J Med Biol Res** 1986;19(1):85–8

Anti-idiotypic T lymphocyte responsiveness in murine Schistosomiasis mansoni. Powell MR, et al. **Cell Immunol** 1987 Feb;104(2):377–85

Angiotensin II is chemotactic for a T-cell subset which can express migration inhibition factor activity in murine schistosomiasis mansoni. Weinstock JV, et al. **Cell Immunol** 1987 Jun;107(1):180–7

Modulation of granulomatous inflammation in murine schistosomiasis mansoni by enteric exposure to schistosome ova: in vitro characterization of a regulatory mechanism within the granuloma. Weinstock JV, et al. **Cell Immunol** 1987 Sep;108(2):452–9

Immunity to schistosomiasis mansoni in guinea-pigs vaccinated with radiation-attenuated cercariae: I. Humoral responses against skin-stage schistosomula. Gordon JR, et al. **Clin Exp Immunol** 1987 Feb;67(2):252–61

In vitro and in vivo evidence that autoimmune reactivity to collagen develops spontaneously in Schistosoma mansoni-infected mice. Wyler DJ, et al. **Clin Immunol Immunopathol** 1987 Aug;44(2):140–8

Role of cellular and humoral immunity and helper cell involvement in permissiveness to infection by Schistosoma mansoni. Mendlovic F, et al. **Eur J Immunol** 1987 Aug; 17(8):1151–7

Activated macrophages as effector cells of protective immunity to schistosomiasis. James SL. **Immunol Res** 1986; 5(2):139–48

Macrophage activation as an immune correlate to protective immunity against schistosomiasis in mice immunized with an irradiated, cryopreserved live vaccine. Lewis FA, et al. **Infect Immun** 1987 Jun;55(6):1339–45

Anti-L3T4 antibody treatment suppresses hepatic granuloma formation and abrogates antigen-induced interleukin-2 production in Schistosoma mansoni infection. Mathew RC, et al. **Infect Immun** 1986 Dec;54(3):820–6

Immunopathology of experimental Schistosoma mansoni: immunohistochemical localization of parasite antigens in the host tissue. Abdul-Aal GM, et al. **Int Arch Allergy Appl Immunol** 1987;82(1):89–94

Parasitic modulation of host immune mechanisms in schistosomiasis. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1987;84(1):1–9

Purification and physicochemical characterization of Schistosoma mansoni egg allergen recognized by mouse sera obtained at an acute stage of infection. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1986;81(2):129–35

Schistosoma mansoni: the cutaneous response to cercarial challenge in naive guinea pigs and guinea pigs vaccinated with highly irradiated cercariae. Pearce EJ, et al. **Int J Parasitol** 1986 Oct;16(5):491–510

Selection of the host for resistance: genetic control of protective immunity to schistosomes. Sher A, et al. **Int J Parasitol** 1987 Feb;17(1):53–7

Immune responses during human Schistosomiasis mansoni. Evidence for antiidiotypic T lymphocyte responsiveness. Lima MS, et al. **J Clin Invest** 1986 Oct;78(4):983–8

Failure of immunosuppressive mechanisms in human Schistosoma mansoni infection with hepatosplenomegaly. Tweardy DJ, et al. **J Clin Microbiol** 1987 May;25(5):768–73

Markers and subpopulations of T lymphocytes in schistosomiasis. Khalil HM, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):325–39

Immunoglobulin levels and intensity of infection in patients with fascioliasis, single or combined with schistosomiasis. Salem AI, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):33–40

The rheumatoid factor in human schistosomiasis. Seifein HB, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):301–7

A major immunogen in Schistosoma mansoni infections is homologous to the heat-shock protein Hsp70. Hedstrom R, et al. **J Exp Med** 1987 May 1;165(5):1430–5

Immunity in human schistosomiasis mansoni. Regulation of protective immune mechanisms by IgM blocking antibodies. Khalife J, et al. **J Exp Med** 1986 Nov 1; 164(5):1626–40

Diagnostic Mr 31,000 Schistosoma mansoni proteins: requirement of infection, but not immunization, and use of the "miniblot" technique for the production of monoclonal antibodies. Ruppel A, et al. **J Helminthol** 1987 Jun;61(2):95–101

The chemotherapeutic effect of praziquantel against Schistosoma mansoni is dependent on host antibody response. Brindley PJ, et al. **J Immunol** 1987 Jul 1; 139(1):215–20

Evidence that a protective membrane epitope is involved in early but not late phase immunity in Schistosoma mansoni. Harn DA, et al. **J Immunol** 1987 Mar 1; 138(5):1571–80

Defective vaccine-induced resistance to Schistosoma mansoni in P strain mice. III. Specificity of the associated defect in cell-mediated immunity. James SL, et al. **J Immunol** 1986 Dec 15;137(12):3959–67

A major role for carbohydrate epitopes preferentially recognized by chronically infected mice in the determination of Schistosoma mansoni schistosomulum surface antigenicity. Omer-Ali P, et al. **J Immunol** 1986 Dec 1;137(11):3601–7

In vivo T cell depletion regulates resistance and morbidity in murine schistosomiasis. Phillips SM, et al. **J Immunol** 1987 Aug 1;139(3):919–26

Epitopic and paratopically directed anti-idiotypic factors in the regulation of resistance to murine schistosomiasis mansoni. Phillips SM, et al. **J Immunol** 1986 Oct 1; 137(7):2339–47

The presence of antibody in mice chronically infected with Schistosoma mansoni which blocks in vitro killing of schistosomula. Yi XY, et al. **J Immunol** 1986 Dec 15; 137(12):3955–8

Serum factors from infected baboons inhibit oviposition and cause unpairing of Schistosoma mansoni in vitro. Bosshardt SC, et al. **J Parasitol** 1986 Aug;72(4):583–7

Intraspecific cross-protection in mice immunized with irradiated Schistosoma mansoni cercariae. Lewis FA, et al. **J Parasitol** 1987 Aug;73(4):787–91

Schistosoma mansoni: demonstration of homospecific antibody adsorbed to the tegumental surfaces of adult male parasites from mice. Rasmussen KR, et al. **J Parasitol** 1987 Apr;73(2):448–51

Parasiticidal activity of macrophages against schistosomes. James SL. **Methods Enzymol** 1986;132:649–58

IgG subclasses in parasitic infestations. Catty D, et al. **Monogr Allergy** 1986;19:144–55

Schistosoma mansoni egg antigens: preparation of rabbit antisera with monospecific immunoprecipitating activity, and their use in antigen characterization. Dunne DW, et al. **Parasite Immunol** 1986 Nov;8(6):575–86

Genetic influence on the antibody response to antigens of Schistosoma mansoni in chronically infected mice. Kee KC, et al. **Parasite Immunol** 1986 Nov;8(6):565–74

Effect of praziquantel on certain immune responses of schistosomal Egyptian patients. II. Cell-mediated lymphoproliferative response. el-Bassiouny AE, et al. **Parasitol Res** 1987;73(4):334–40

Immunity in human schistosomiasis mansoni: prevention by blocking antibodies of the expression of immunity in young children. Butterworth AE, et al. **Parasitology** 1987 Apr;94 (Pt 2):281–300

Reevaluation of the potential of Fasciola hepatica antigens for immunization against Schistosoma mansoni infection. Ford MJ, et al. **Parasitology** 1987 Apr;94 (Pt 2):327–36

Immunity to Schistosoma mansoni in congenitally athymic, irradiated and mast cell-depleted rats. Ford MJ, et al. **Parasitology** 1987 Apr;94 (Pt 2):313–26

The isotypes of antibody responsible for the 'late' passive transfer of immunity in rats vaccinated with highly irradiated cercariae. Ford MJ, et al. **Parasitology** 1987 Jun; 94 (Pt 3):509–22

Studies on heterologous resistance between Schistosoma mansoni and Fasciola hepatica in inbred rats. Ford MJ, et al. **Parasitology** 1987 Feb;94 (Pt 1):55–67

Cloning of a cDNA encoding a surface antigen of Schistosoma mansoni schistosomula recognized by sera of vaccinated mice. Dalton JP, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4268–72

Immune responses during human schistosomiasis mansoni. XIII. Immunological status of spleen cells from hospital patients with hepatosplenic disease. Garcia AA, et al. **Scand J Immunol** 1986 Oct;24(4):413–20

Immune responses and immunoregulation in relation to human schistosomiasis in Egypt. III. Immunity and longitudinal studies of in vitro responsiveness after treatment. Colley DG, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):952–7

The recognition of Schistosoma mansoni surface antigens by antibodies from patients infected with S. mansoni and S. haematobium. Simpson AJ, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):261–70

Immunity after treatment of human schistosomiasis mansoni. III. Long-term effects of treatment and retreatment. Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):303–14

[Comparison of immune response in patients with bilharziasis (S. mansoni) from Africa south of the Sahara and Antilles]

Cot M, et al. **Med Trop (Mars)** 1986 Oct-Dec;46(4):381-8 (Eng. Abstr.) **(Fre)**

[Simultaneous determination of specific antigen, antibody and immune complexes in the serum of patients with chronic schistosomiasis] Surerus Campos DG, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun;81(2):135-44 (Eng. Abstr.) **(Por)**

[Immunological studies in hamsters (Cricetus auratus) infected with Schistosoma mansoni] Monge E, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul-Aug;28(4):239-45 (Eng. Abstr.) **(Spa)**

METABOLISM

Transcriptional and posttranscriptional effects of dexamethasone on albumin and procollagen messenger RNAs in murine schistosomiasis. Weiner FR, et al. **Biochemistry** 1987 Mar 24;26(6):1557-62

Energy expenditure of agricultural workers in an area of endemic schistosomiasis in the Sudan. el Karim MA, et al. **Br J Ind Med** 1987 Jan;44(1):64-7

Antibody to CB-peptide, alpha 2-CB (3,5), from type I collagen is a tissular marker of matrix degradation in hepatic murine schistosomiasis. Emonard H, et al. **Cell Mol Biol** 1986;32(6):633-40

Oxamniquine pharmacokinetics in hepatosplenic schistosomiasis in the Sudan. Daneshmend TK, et al. **J Antimicrob Chemother** 1987 Jan;19(1):87-93

Mesenchymal target cell specificity of egg granuloma-derived fibroblast growth factor in schistosomiasis. Wyler DJ, et al. **J Infect Dis** 1987 Apr; 155(4):728-36

The effect of schistosomiasis on 24-hour energy expenditure. Awad elKarim MA. **J Trop Med Hyg** 1986 Dec;89(6):303-7

OCCURRENCE

Schistosomiasis in the Dominican Republic. Detection of antibodies by radioimmunoassay. Hillyer GV, et al. **Bol Asoc Med PR** 1986 Nov;78(11):477-9

Water-contact patterns and socioeconomic variables in the epidemiology of schistosomiasis mansoni in an endemic area in Brazil. Lima e Costa MF, et al. **Bull WHO** 1987; 65(1):57-66

Status of human schistosomiasis on the eastern side of Kainji Lake area of Nigeria. Adekolu-John EO, et al. **East Afr Med J** 1986 Jul;63(7):463-70

The epidemiology of Schistosoma mansoni around Lake Zway and its inlands, Ethiopia. Ayele T, et al. **Ethiop Med J** 1987 Jul;25(3):133-40

Survey of schistosomiasis mansoni in the Borkena river basin, Ethiopia. Birrie H. **Ethiop Med J** 1986 Oct;24(4):159-67

Prevalence of bilharziasis among children in Gharbia Governorate, Egypt. Kotb A, et al. **J Egypt Soc Parasitol** 1987 Jun;17(1):109-14

Circumstantial epidemiology of Schistosoma mansoni in the West-Nile district of Uganda: results of a cross-sectional study in the Rhino Camp area. Bukenya G, et al. **J Trop Med Hyg** 1986 Oct;89(5):243-8

A survey of the prevalence of schistosomiasis in school children in the Bo and Tongo Field areas of Sierra Leone. Gbakima AA, et al. **Public Health** 1987 May;101(3):199-205

The morbidity of schistosomiasis mansoni in Maniema (Zaire). Gryseels B, et al. **Trans R Soc Trop Med Hyg** 1987; 81(2):202-9

[Survey of schistosomiasis in the Gaya district (Republic of Niger)] Mouchet F, et al. **Ann Soc Belg Med Trop** 1987 Mar;67(1):23-9 (Eng. Abstr.) **(Fre)**

[Prevalence of schistosomiasis mansoni in Zairian and Ugandan children of the Aru region in upper Zaire] Muller G, et al. **Ann Soc Belg Med Trop** 1986 Sep;66(3):225-33 (Eng. Abstr.) **(Fre)**

[Sero-epidemiological study of intestinal bilharziasis in Ampefy (Lake Itasy, Madagascar)] Randrianarisoa J, et al. **Arch Inst Pasteur Madagascar** 1986;52(1):33-9 **(Fre)**

[Current risks in the introduction of schistosomiasis into French Guiana] Lalande G, et al. **Bull Soc Pathol Exot Filiales** 1987;80(2):202-10 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Migration of Schistosoma mansoni in normal and passively immunized laboratory rats. Knopf PM, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1173-84

Lack of demonstrable density-dependent fecundity of schistosomiasis mansoni: analyses of Egyptian quantitative human autopsies. Wertheimer SP, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):79-84

The host-parasite response to Schistosoma mansoni infection in experimental animals. Abu-Senna HO, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):439-47

The fecundity of Schistosoma mansoni in chronic nonhuman primate infections and after transplantation into naive hosts. Damian RT, et al. **J Parasitol** 1986 Oct;72(5):741-7

Schistosoma mansoni: mechanism of attrition and routes of migration from lungs to hepatic portal system in the laboratory mouse. Georgi JR, et al. **J Parasitol** 1987 Aug; 73(4):706-11

Schistosoma mansoni: autoradiographic tracking studies of isotopically-labelled challenge parasites in naive and vaccinated CBA/Ca mice. Kamiya H, et al. **Parasite Immunol** 1987 Jul;9(4):515-29

Schistosoma mansoni: structural damage and tegumental repair after in vivo treatment with praziquantel. Shaw MK, et al. **Parasitology** 1987 Apr;94 (Pt 2):243-54

Schistosoma mansoni: effects of anesthetics and antimonial drugs on worm shift in the mouse. da Cunha-Melo JR, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul-Aug; 28(4):267-70

Splenomegaly in relation to Schistosoma mansoni egg counts: a population based study (1). de Lima e Costa MF, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov-Dec;28(6):389-94

Sensibility of different larval stages of Schistosoma mansoni to the larvae disappearing reaction (LDR) in murine schistosomiasis (1). de Melo AL, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov-Dec;28(6):395-9

Migration of two Egyptian strains of Schistosoma mansoni in hamsters. Mansour NS, et al. **Z Parasitenkd** 1986; 72(6):847-50

[Experimental behavior of samples of Schistosoma mansoni in relation to clinical forms of schistosomiasis. I—Study in mice] Conceição MJ, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar;81(1):61-6 (Eng. Abstr.) **(Por)**

[Schistosoma mansoni: experimental infection in mice through the ear and quantification of the parasitism in the skin] Gerken SE, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov-Dec;28(6):381-8 (Eng. Abstr.) **(Por)**

[Features of the isolation of Schistosoma mansoni eggs in experimentally infested golden and Djungarian hamsters] Zelia OP, et al. **Med Parazitol (Mosk)** 1987 May-Jun; (3):67-71 (Eng. Abstr.) **(Rus)**

[Comparative efficiency of infecting laboratory animals via intravenous and subcutaneous administration of Schistosoma mansoni cercaria] Zelia OP, et al. **Parazitologiia** 1986 Nov-Dec;20(6):461-5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Variation of hepatic fibrosis and granuloma size among mouse strains infected with Schistosoma mansoni. Cheever AW, et al. **Am J Trop Med Hyg** 1987 Jul;37(1):85-97

Liver fibroblast proliferation in murine schistosomiasis. Dunn MA, et al. **Am J Trop Med Hyg** 1986 Nov;35(6):1185-91

Isolation and preparation of acellular schistosomal granuloma (periovular matricial complex, PMC). Takiya C, et al. **Cell Mol Biol** 1986;32(6):647-53

In vitro formation of fibrous septa by liver connective tissue cells. Monteiro AN, et al. **In Vitro Cell Dev Biol** 1987 Jan; 23(1):10-4

Treatment of ascites by continuous ultrafiltration and reinfusion of protein concentrate. Madwar MA, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):653-60

Characterization of regulatory (interferon-alpha/beta) and accessory (LAF/IL 1) monokine activities from liver granuloma macrophages of Schistosoma mansoni-infected mice. Elliott DE, et al. **J Immunol** 1987 Apr 15; 138(8):2653-62

Portal fibrosis: intrahepatic portal vein pathology in chronic human schistosomiasis mansoni. Grimaud JA, et al. **J Submicrosc Cytol** 1986 Oct;18(4):783-93

Effects of Trypanosoma brucei and Babesia microti infections on the primary granulomatous reaction to Schistosoma eggs in mice. Fagbemi BO, et al. **Lab Anim** 1987 Apr;21(2):121-4

The relationship between pathology and resistance to reinfection with Schistosoma mansoni in mice: a causal mechanism of resistance in chronic infections. McHugh SM, et al. **Parasitology** 1987 Feb;94 (Pt 1):81-91

Pathologically induced alterations in the dimensions of the hepatic portal vasculature of mice infected with Schistosoma mansoni. McHugh SM, et al. **Parasitology** 1987 Feb;94 (Pt 1):69-80

PHYSIOPATHOLOGY

Synthesis of angiotensins by cultured granuloma macrophages in murine schistosomiasis mansoni. Weinstock JV, et al. **Cell Immunol** 1987 Jul;107(2):273-80

Schistosoma mansoni: control of extramedullar eosinophil myelopoiesis in chronically infected mice by inflammatory macrophages. Borojevic R, et al. **Exp Parasitol** 1986 Dec; 62(3):349-55

Fibroblast stimulation in schistosomiasis. VII. Egg granulomas secrete factors that stimulate collagen and fibronectin synthesis. Wyler DJ, et al. **J Immunol** 1987 Mar 1;138(5):1581-6

[17 beta-estradiol receptors in Schistosoma mansoni. Contribution to the explanation of the protective power of this hormone in Schistosoma mansoni bilharziasis in the mouse. Preliminary study] Barrabes A, et al. **Ann Parasitol Hum Comp** 1986;61(6):637-41 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Protection against experimental Schistosoma mansoni schistosomiasis achieved by immunization with schistosomula released products antigens (SRP-A): role of IgE antibodies. Damonneville M, et al. **Clin Exp Immunol** 1986 Aug;65(2):244-52

Helper T cells induced by a purified 28-kilodalton antigen of Schistosoma mansoni protect rats against infection. Auriault C, et al. **Infect Immun** 1987 May;55(5):1163-9

A purified 28,000 dalton protein from Schistosoma mansoni adult worms protects rats and mice against experimental schistosomiasis. Balloul JM, et al. **J Immunol** 1987 May 15;138(10):3448-53

Schistosomiasis control in the southern province of Saudi Arabia. Sinha NP, et al. **J R Soc Health** 1987 Jun;107(3):79, 83

Molecular cloning of a protective antigen of schistosomes. Balloul JM, et al. **Nature** 1987 Mar 12-18;326(6109):149-53

Parasitology. Improving prospects for a schistosomiasis vaccine [news] Smithers SR. **Nature** 1986 Sep 18-24; 323(6085):205-6

Manson's schistosomiasis--progress and continuing problems. Weller TH. **S Afr Med J** 1986 Oct 11;Suppl:83-4

Chemoprophylactic agent in schistosomiasis: 14,15-epoxygeranylgeraniol. Mors WB, et al. **Science** 1967 Aug 25;157(3791):950-1

Coping with intestinal illness among the Kamba in Machakos, Kenya, and aspects of schistosomiasis control. Kloos H, et al. **Soc Sci Med** 1987;24(4):383-94

Partial protection of baboons against Schistosoma mansoni using radiation-attenuated cryopreserved schistosomula. James ER, et al. **Trans R Soc Trop Med Hyg** 1986; 80(3):378-84

RADIONUCLIDE IMAGING

Liver scintigraphy in chronic hepatosplenic schistosomiasis. A predictor of disease severity. Sostre S, et al. **Clin Nucl Med** 1987 Apr;12(4):277-80

SURGERY

Schistosomiasis: experimental surgical removal of adult worms. Goldsmith EI, et al. **Gastroenterology** 1966 Jun; 50(6):805-7

THERAPY

The interactions between macrophages and developmental stages of Schistosoma mansoni: effect of macrophage function modulators on the viability of S. mansoni in vivo and in vitro. Malkin R, et al. **J Biol Response Mod** 1986 Oct;5(5):470-80

TRANSMISSION

Water-contact patterns and Schistosoma mansoni infection in a rural community in northeast Brazil. Mota E, et al. **Rev Inst Med Trop Sao Paulo** 1987 Jan-Feb;29(1):1-8

How Schistosoma mansoni eggs reach natural waterbodies. Chandiwana SK. **Trans R Soc Trop Med Hyg** 1986; 80(6):963-4

SCHISTOSOMIASIS, URINARY see SCHISTOSOMIASIS HAEMATOBIA

SCHISTOSOMICIDES

ADMINISTRATION & DOSAGE

Oltipraz: administration with food increases its anti-schistosomal activity. Homeida MM, et al. **Trans R Soc Trop Med Hyg** 1986;80(6):908-10

Parasitological evaluation of curative and subcurative doses of 9-acridanone-hydrazone drugs against Schistosoma mansoni in baboons, and observations on changes in serum levels of anti-egg antibodies detected by ELISA. Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1987;81(2):188-92

ADVERSE EFFECTS

[Eosinophilic granulomatous hepatitis. Apropos of 3 cases] Penalba C, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(1):100-4 (Eng. Abstr.) **(Fre)**

BLOOD

Measurement of peak blood levels of oltipraz in patients infected with S. mansoni: correlation with the drug's antischistosomal action. Homeida MM, et al. **Ann Trop Med Parasitol** 1986 Jun;80(3):369-71

CHEMICAL SYNTHESIS

[Chemotherapeutic studies on schistosomiasis. XXIV. Synthesis of derivatives of 5-[2-(5-nitro-furyl-2)-1-substituted vinyl]-1,3,4-oxadiazol-2-one and its 1,3,4-oxadiazol] Chen WB, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):761-6 (Eng. Abstr.) **(Chi)**

[Synthesis of praziquantel analogues] Jin LR, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):170-6 (Eng. Abstr.) **(Chi)**

[Studies on the synthesis of salicylamides and alkamine salts of niclosamide and their activities against Schistosoma japonicum and oncomelania] Zhang ZR, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):935-8 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Acute effects of oltipraz on adult Schistosoma mansoni and its antagonism in vitro. Morrison DD, et al. **Biochem Pharmacol** 1987 Apr 1;36(7):1169-71

Schistosomicides and DNA functioning. Pica-Mattoccia L, et al. **Biochem Soc Trans** 1987 Feb;15(1):70-3

In vitro selection of drug resistant Schistosoma mansoni. Coles GC, et al. **Int J Parasitol** 1987 Feb;17(3):767-71

Failure at inducing resistance to schistosomicidal drugs in a Brazilian human strain of Schistosoma mansoni. Dias LC,

et al. **Rev Inst Med Trop Sao Paulo** 1986 Sep-Oct; 28(5):352-7

[Effects of praziquantel and artemether on tegumental surface antigens of different developmental stages of Schistosoma japonicum] Yue WJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):284-7 (Eng. Abstr.) **(Chi)**

[Schistosomicides and acetylcholinesterase in the tegument of the male Schistosoma japonicum] Wang GF, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):567-9 (Eng. Abstr.) **(Chi)**

[Histological observations on the effects of artemether, fuvinazole and niridazole on Schistosoma japonicum schistosomulae in the mouse liver] Yang YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):276-8 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

The chemotherapy of schistosomiasis control. **Bull Pan Am Health Organ** 1986;20(1):68-9

The influence of anti-parasitic therapy on the course of the glomerulopathy associated with Schistosomiasis mansoni. Martinelli R, et al. **Clin Nephrol** 1987 May;27(5):229-32

Antischistosomal chemotherapy. Khalil HM. **J Egypt Soc Parasitol** 1987 Jun;17(1):309-15 (13 ref.)

Studies on the effect of Amoscanate on the immature stages of S. mansoni and S. haematobium worms in hamsters. Khalil SB, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):699-706

[Comparison of the activity of current antischistosomal agents and their use in children] Bougnoux ME, et al. **Ann Pediatr (Paris)** 1987 May;34(5):397-402 (Eng. Abstr.) **(Fre)**

[Therapeutic evaluation of oltipraz in human S. mansoni infection] de Carvalho SA, et al. **Rev Inst Med Trop Sao Paulo** 1986 Jul-Aug;28(4):271-7 (Eng. Abstr.) **(Por)**

SCHIZOAFFECTIVE DISORDER see **PSYCHOTIC DISORDERS**

SCHIZOID PERSONALITY DISORDER

DIAGNOSIS

Schizoid and avoidant personality disorders in DSM-III [letter] Millon T. **Am J Psychiatry** 1986 Oct;143(10):1321-3

Covariation of criteria sets for avoidant, schizoid, and dependent personality disorders. Trull TJ, et al. **Am J Psychiatry** 1987 Jun;144(6):767-71

[Schizoid versus hysterical personality structure. I: Symptoms and diseases] Studt HH. **Z Psychosom Med Psychoanal** 1986;32(3):283-95 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The schizoid personality in light of Camus's actor. A response to discontinuity. Sherwood VR. **Bull Menninger Clin** 1987 Mar;51(2):158-69

The interplay between pathological organizations and the paranoid-schizoid and depressive positions. Steiner J. **Int J Psychoanal** 1987;68 (Pt 1):69-80

'Schizoid' personality and antisocial conduct: a retrospective case not study. Wolff S, et al. **Psychol Med** 1986 Aug; 16(3):677-87

[Schizoid versus hysterical personality structure. III: Origin and severity of neurosis] Studt HH. **Z Psychosom Med Psychoanal** 1987;33(1):63-77 (Eng. Abstr.) **(Ger)**

[Schizoid versus hysterical personality structure. II: Social behavior of precipitating events] Studt HH. **Z Psychosom Med Psychoanal** 1986;32(4):361-70 (Eng. Abstr.) **(Ger)**

SCHIZOMYCETES see under **BACTERIA**

SCHIZOPHRENIA

Contact with the police in early schizophrenia: its nature, frequency and relevance to the outcome of treatment. Macmillan JF, et al. **Med Sci Law** 1987 Jul;27(3):191-200

A top priority at NIMH [news] Holden C. **Science** 1987 Jan 23;235(4787):431

[The problem of birth control in schizophrenic patients] Xun ML. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Dec;19(6):335-8 (Eng. Abstr.) **(Chi)**

[Current research on schizophrenia] Schulsinger F. **Nord Med** 1987;102(4):114-7 (Eng. Abstr.) **(Dan)**

[Clinical course and outcome of schizophrenia in Cali. A 10-year follow-up study] León CA. **Acta Psiquiatr Psicol Am Lat** 1986 Jun;32(2):95-136 (Eng. Abstr.) **(Spa)**

BLOOD

Changes in the diameter of erythrocytes and their spheroidisation in mental illness. Erban L, et al. **Act Nerv Super (Praha)** 1986 Dec;28(4):272-4

Opioid plasma levels: a marker of impaired central control in psychiatric disorders? Brambilla F, et al. **Adv Biochem Psychopharmacol** 1987;43:211-20

Platelet serotonin concentration in schizophrenic patients. Kolakowska T, et al. **Am J Psychiatry** 1987 Feb; 144(2):232-4

Platelet [3H]imipramine binding in psychiatric disorders. Kanof PD, et al. **Biol Psychiatry** 1987 Mar;22(3):278-86

Elevated hematocrit in patients with schizophrenia. Mathew RJ, et al. **Biol Psychiatry** 1987 Jul;22(7):907-10

Plasma phenylethylamine and phenylalanine in chronic schizophrenic patients. Szymanski HV, et al. **Biol Psychiatry** 1987 Feb;22(2):194-8

Radioreceptor assay of serum neuroleptic concentrations in psychiatric patients [letter] Buckley M, et al. **Br J Psychiatry** 1986 Sep;149:384

Tritiated imipramine binding sites in affective disorders and schizophrenia. Influence of circannual variation. Desmedt DH, et al. **J Affective Disord** 1987 May-Jun;12(3):193-8

Reduced growth hormone response to apomorphine in schizophrenic patients with poor premorbid social functioning. Malas KL, et al. **J Neural Transm** 1987; 69(3-4):319-24

Factors associated with decreased platelet MAO activity in chronic schizophrenics. Maj M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(1):79-86

3H-imipramine binding in blood platelets of schizophrenic patients. Arora RC, et al. **Psychiatry Res** 1986 Nov; 19(3):215-24

Effect of verapamil on platelet serotonin concentration in normal and schizophrenic subjects [letter] Uhr SB, et al. **Psychiatry Res** 1986 Nov;19(3):243-4

Platelet [3H]imipramine binding in autism and schizophrenia. Weizman A, et al. **Psychopharmacology (Berlin)** 1987; 91(1):101-3

[Atypical lymphocytes in schizophrenic patients] Guo QY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Jun; 19(3):185-7 (Eng. Abstr.) **(Chi)**

[The significance of prolactin levels in schizophrenia] Libiger J. **Cesk Psychiatr** 1986 Oct;82(5):337-41 **(Cze)**

[Tryptophan-loading in schizophrenia and endogenous depression] Kitzrow W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Jan;39(1):32-7 (Eng. Abstr.) **(Ger)**

[Serum prolactin levels in chronic schizophrenics] Ravalli S, et al. **Minerva Psichiatr** 1987 Jan-Mar;28(1):31-4 (Eng. Abstr.) **(Ita)**

[Association between uptake to lymphocytes from schizophrenic patients and therapeutic efficacy] Shimogawa S, et al. **Yakubutsu Seishin Kodo** 1986 Jun; 6(2):239-46 (Eng. Abstr.) **(Jpn)**

[Disorders of repair processes in the lymphocytes of schizophrenia patients, cultured in vitro] Zharikov NM, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):667-9 (Eng. Abstr.) **(Rus)**

[Polyamine studies of schizophrenia patients] Svinarev VI. **Vrach Delo** 1986 Dec;(12):88-9 (Eng. Abstr.) **(Rus)**

[Hormonal profile of depressed patients] Lavretskaia EF, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):555-8 (Eng. Abstr.) **(Rus)**

[Concentration of prolactin in the plasma of schizophrenic patients with positive and negative symptoms] Prasad AD. **Zh Nevropatol Psikhiatr** 1986;86(9):1400-1 (Eng. Abstr.) **(Rus)**

[Activation of lipid peroxidation in the bodies of schizophrenic and manic-depressive patients] Prilipko LL, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):100-3 (Eng. Abstr.) **(Rus)**

[Changes in various indices of the blood-clotting system and lipid levels in patients with depression] Sonnik GT, et al. **Zh Nevropatol Psikhiatr** 1987;87(4):571-3 (Eng. Abstr.) **(Rus)**

[Serum spermidine levels of schizophrenic patients] Svinarev VI. **Zh Nevropatol Psikhiatr** 1987;87(5):732-4 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Monoamines and their metabolites in cerebrospinal fluid of patients with senile dementia of Alzheimer type using high performance liquid chromatography and gas chromatography-mass spectrometry. Parnetti L, et al. **Acta Psychiatr Scand** 1987 May;75(5):542-8

CSF corticotropin-releasing factor-like immunoreactivity in depression and schizophrenia. Banki CM, et al. **Am J Psychiatry** 1987 Jul;144(7):873-7

Suicide and aggression in schizophrenia. Neurobiologic correlates. Pickar D, et al. **Ann NY Acad Sci** 1986; 487:189-96

Diazepam-binding inhibitor. A brain neuropeptide present in human spinal fluid: studies in depression, schizophrenia, and Alzheimer's disease. Barbaccia ML, et al. **Arch Gen Psychiatry** 1986 Dec;43(12):1143-7

Alterations in cerebrospinal fluid concentrations of somatostatinlike immunoreactivity in neuropsychiatric disorders. Bissette G, et al. **Arch Gen Psychiatry** 1986 Dec; 43(12):1148-51

Cerebrospinal fluid HVA, central brain atrophy, and clinical state in schizophrenia. Houston JP, et al. **Psychiatry Res** 1986 Nov;19(3):207-14

Cerebrospinal fluid amino acid concentrations in chronic schizophrenia. Korpi ER, et al. **Psychiatry Res** 1987 Apr; 20(4):337-45

CSF levels of receptor-active endorphins in schizophrenic patients: correlations with symptomatology and monoamine metabolites. Lindström LH, et al. **Psychiatry Res** 1986 Oct;19(2):93-100

(Auto)aggression and CSF 5-HIAA in depression and schizophrenia. van Praag HM. **Psychopharmacol Bull** 1986; 22(3):669-73

[Biochemical and ultrastructural changes in animal brain after intracisternal administration of the cerebrospinal fluid from patients with schizophrenia] Vilkov GA, et al. **Vopr Med Khim** 1986 Jul-Aug;32(4):91-3 (Eng. Abstr.) **(Rus)**

[Biochemical and ultrastructural changes in the brain of the rat exposed to the cerebrospinal fluid of schizophrenics] Vilkov GA, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):735-8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Schneiderian first-rank symptoms caused by benzodiazepine withdrawal. Roberts K, et al. **Br J Psychiatry** 1986 May; 148:593-4

Stopping drug treatment in schizophrenia. **Drug Ther Bull** 1987 Apr 21;25(8):31-2

Cannabis affects the severity of schizophrenic symptoms: results of a clinical survey. Negrete JC, et al. **Psychol Med** 1986 Aug;16(3):515-20

CLASSIFICATION

Positive and negative subtypes of schizophrenia. A study from India. Kulhara P, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):353-9

Visuomotor tracking performance in schizophrenia: relationship with psychopathological subtyping. Gaebel W, et al. **Neuropsychobiology** 1987;17(1-2):66-71

[The concept of schizophrenia] Sedivec V. **Cesk Psychiatr** 1986 Oct;82(5):282-7 (Eng. Abstr.) **(Cze)**

[Cycloid and schizoaffective psychoses in a study of schizophrenia in Bonn] Armbruster B, et al. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:54-62 **(Ger)**

[Leonhard's affective paraphrenia from the viewpoint of the Vienna school] Gabriel E. **Psychiatr Neurol Med Psychol [Beih]** 1986;33:63-6 **(Ger)**

[Can schizophrenias be clinically and etiologically separated?] Leonhard K. **Psychiatr Neurol Med Psychol [Beih]** 1986; 33:26-42 **(Ger)**

[Delusional thinking--its definition and classification] Grzywa A, et al. **Psychiatr Pol** 1986 Sep-Oct;20(5):369-76 (24 ref.) **(Pol)**

COMPLICATIONS

Post psychotic depression: the Fulbourn cohort. Berrios GE, et al. **Acta Psychiatr Scand** 1987 Jul;76(1):89-93

Neuroleptic treatment and other factors modifying cancer risk in schizophrenic patients. Mortensen PB. **Acta Psychiatr Scand** 1987 Jun;75(6):585-90

Attempted suicide in hospitalised schizophrenics. Prasad AJ. **Acta Psychiatr Scand** 1986 Jul;74(1):41-2

When schizophrenia complicates medical care. Dickson LR, et al. **Am Fam Physician** 1987 Mar;35(3):153-9

Complications following hypnosis in a psychotic patient with sexual dysfunction treated by a lay hypnotist. Haberman MA. **Am J Clin Hypn** 1987 Jan;29(3):166-70

Fatal water intoxication, schizophrenia, and diuretic therapy for systemic hypertension. Levine S, et al. **Am J Med** 1987 Jan;82(1):153-5

Relationship between physical anomalies and age at onset of schizophrenia. Green MF, et al. **Am J Psychiatry** 1987 May;144(5):666-7

Schizophrenia and gastric surgery for obesity [letter] Lawlor BA, et al. **Am J Psychiatry** 1986 Oct;143(10):1321

Adjunctive imipramine in the treatment of postpsychotic depression. A controlled trial. Siris SG, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):533-9

Smooth pursuit eye movement disorder and its psychobiologic correlates in unmedicated schizophrenics. Siever LJ, et al. **Biol Psychiatry** 1986 Oct;21(12):1167-74

Suicide among schizophrenics: a comparison of attempters and completed suicides. Drake RE, et al. **Br J Psychiatry** 1986 Dec;149:784-7

Depression in schizophrenia: a study of prevalence and treatment. Elk R, et al. **Br J Psychiatry** 1986 Aug;149:228-9

Depression in schizophrenia [letter] Richman N. **Br J Psychiatry** 1986 Dec;149:797

The Nithsdale schizophrenia survey. V. Follow-up of tardive dyskinesia at 3 1/2 years. Robinson AD, et al. **Br J Psychiatry** 1986 Nov;149:621-3

Late onset involuntary movements in chronic schizophrenia: relationship of 'tardive' dyskinesia to intellectual impairment and negative symptoms. Waddington JL, et al. **Br J Psychiatry** 1986 Nov;149:616-20

Does the negative association between rheumatoid arthritis and schizophrenia provide clues to the aetiology of rheumatoid arthritis? Spector TD, et al. **Br J Rheumatol** 1987 Aug;26(4):307-10

A case of scurvy [letter] Carney MW. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):883-4

Concurrent medical and psychiatric disorders among schizophrenic and neurotic outpatients. Lima BR, et al. **Community Ment Health J** 1987 Spring;23(1):30-9

Effect of molindone on weight change in hospitalized schizophrenic patients. Parent MM, et al. **Drug Intell Clin Pharm** 1986 Nov;20(11):873-5

The prevalence of abnormal involuntary movements among

chronic schizophrenics. Guy W, et al. **Int Clin Psychopharmacol** 1986 Apr;1(2):134–44

Diabetes and schizophrenia—a preliminary study. McKee HA, et al. **J Clin Hosp Pharm** 1986 Aug;11(4):297–9

Suicide in schizophrenia [letter] Sorenson SB, et al. **J Clin Psychiatry** 1986 Nov;47(11):570–1

Characteristics of diabetes mellitus in schizophrenic patients. Tabata H, et al. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:90–3

Akathisia and head and body rocking in schizophrenia [letter] Lauterbach EC, et al. **JAMA** 1987 Apr 17;257(15):2033–4

Chilaiditi's syndrome in schizophrenic patients. Matsuo T, et al. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):71–5

Neurochemical findings in the cerebrospinal fluid of schizophrenic patients with tardive dyskinesia and neuroleptic-induced parkinsonism. Saito T, et al. **Jpn J Psychiatry Neurol** 1986 Jun;40(2):189–94

HIV and onset of schizophrenia [letter] Jones GH, et al. **Lancet** 1987 Apr 25;1(8539):982

A case of schizophrenia with the Klippel–Feil syndrome. Krishnaswamy S, et al. **Med J Malaysia** 1985 Dec; 40(4):330–2

Medication and treatment of schizophrenia in persons with mental retardation. Menolascino FJ, et al. **Ment Retard** 1986 Oct;24(5):277–83

Confounding and the dementia of schizophrenia. Kirkpatrick B, et al. **Psychiatry Res** 1986 Nov;19(3):225–31

The nature of the abnormal perceptual experiences at the onset of schizophrenia. Cutting J, et al. **Psychopathology** 1986;19(6):347–52

Cognitive disturbances in chronic schizophrenia: formal thought disorder and basic symptoms. Simhandl C, et al. **Psychopathology** 1986;19(4):206–12

[Water intoxication in mental patients (study of the effects of psychotropic drugs and smoking)] Radó J, et al. **Orv Hetil** 1986 Dec 7;127(49):2993–9 (Eng. Abstr.) **(Hun)**

[A case of a simple virilizing form of 21-hydroxylase deficiency with schizophrenic symptoms, marked pigmentation and highly elevated plasma deoxycorticosterone] Suemaru S, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):112–7 **(Jpn)**

[Features of the course of schizophrenia manifesting as an acute Kandinsky–Clérambault syndrome] Dikaia VI. **Zh Nevropatol Psikhiatr** 1986;86(9):1393–9 (Eng. Abstr.) **(Rus)**

[A peculiar variant of drive pathology in schizophrenia with the anorexia nervosa syndrome] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1689–94 (Eng. Abstr.) **(Rus)**

[Clinical features of acute phobias with somatovegetative disorders in neuroses and slowly progressive schizophrenia] Lakosina ND, et al. **Zh Nevropatol Psikhiatr** 1986; 86(11):1684–9 (Eng. Abstr.) **(Rus)**

[Neurologic changes in schizophrenic patients] Lukacher GIa, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1222–5 (Eng. Abstr.) **(Rus)**

[Effect of vascular pathology on the clinical picture of schizophrenia] Morozova VD. **Zh Nevropatol Psikhiatr** 1986;86(12):1842–6 (Eng. Abstr.) **(Rus)**

[Comparative-age analysis of the socially dangerous acts of late middle-aged mental patients (epidemiologic study)] Shumakov VM, et al. **Zh Nevropatol Psikhiatr** 1987; 87(2):265–71 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Seasons of birth and subtypes of schizophrenia. Hsieh HH, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):373–6

Positive and negative syndromes in schizophrenia as a function of chronicity. Kay SR, et al. **Acta Psychiatr Scand** 1986 Nov;74(5):507–18

Diagnostic systems for schizophrenia. A cross-sectional study of concordance from India. Kulhara P, et al. **Acta Psychiatr Scand** 1986 Jul;74(1):55–61

Comparison between the Brief Psychiatric Rating Scale and the Manchester Scale for the rating of schizophrenic symptoms. Manchanda R, et al. **Acta Psychiatr Scand** 1986 Dec;74(6):563–8

Treatment resistant chronic psychopathology and CT scans in schizophrenia. Ota T, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):415–27

A matched-paired comparison of treated versus untreated schizophrenia spectrum cases. A high-risk population study. Parnas J, et al. **Acta Psychiatr Scand** 1987 Jan; 75(1):44–50

Schneiderian first rank symptoms: reconfirmation of high specificity for schizophrenia. Tandon R, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):392–6

The changing presentation of catatonia [letter] Kay SR, et al. **Am J Psychiatry** 1987 Jun;144(6):834–5

Characteristics of very poor outcome schizophrenia. Keefe RS, et al. **Am J Psychiatry** 1987 Jul;144(7):889–95

Increased ventricle-to-brain ratio in late-onset schizophrenia. Rabins P, et al. **Am J Psychiatry** 1987 Sep; 144(9):1216–8

The corticotropin-releasing hormone stimulation test in chronic schizophrenia. Roy A, et al. **Am J Psychiatry** 1986 Nov;143(11):1393–7

Obsessive-compulsive symptoms in schizophrenia [letter] Schwartz MA. **Am J Psychiatry** 1986 Oct;143(10):1323–4

Lateral ventricular size and social network differentiation in young, nonchronic schizophrenic patients. Seidman LJ, et al. **Am J Psychiatry** 1987 Apr;144(4):512–4

Cerebellar atrophy in schizophrenia and affective disorder. Yates WR, et al. **Am J Psychiatry** 1987 Apr;144(4):465–7

The advantages of studying psychological phenomena rather than psychiatric diagnoses. Persons JB. **Am Psychol** 1986 Nov;41(11):1252–60

No D2 receptor increase in PET study of schizophrenia [letter] Farde L, et al. **Arch Gen Psychiatry** 1987 Jul; 44(7):671–2

Twin concordance for DSM-III schizophrenia. Scrutinizing the validity of the definition. Farmer AE, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):634–41

Growth hormone response to apomorphine [letter] Ferrier IN, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):93–4

Auditory P300 in borderline personality disorder and schizophrenia. Kutcher SP, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):645–50

Schizophrenic thought disorder at follow-up. A persistent or episodic course? Marengo JT, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):651–9

Abnormal rapid eye movement latencies in schizophrenia. Zarcone VP Jr, et al. **Arch Gen Psychiatry** 1987 Jan; 44(1):45–8

Relation of clinical symptoms to apomorphine-stimulated growth hormone release in mood-incongruent psychotic patients. Zemlan FP, et al. **Arch Gen Psychiatry** 1986 Dec; 43(12):1162–7

Speculation on schizophrenia [letter] McLaren N. **Aust NZ J Psychiatry** 1986 Dec;20(4):500–1

Late positive component amplitude in schizophrenics and alcoholics in two different paradigms. Brecher M, et al. **Biol Psychiatry** 1987 Jul;22(7):848–56

Event-related EEG field changes in aroused subjects and schizophrenic patients. Lifshitz K, et al. **Biol Psychiatry** 1987 Apr;22(4):440–52

Dexamethasone suppression test and urinary MHPG X SO4 determination in depressive disorders. Zhou DF, et al. **Biol Psychiatry** 1987 Jul;22(7):883–91

Significance of positive and negative syndromes in chronic schizophrenia. Kay SR, et al. **Br J Psychiatry** 1986 Oct; 149:439–48

Neither lions nor tigers: disorders which lie between schizophrenia and affective disorder. Munro A. **Can J Psychiatry** 1987 May;32(4):296–7

Eye movements in remitting and non-remitting schizophrenia. Kojima T, et al. **Clin Neuropharmacol** 1986; 9 Suppl 4:277–9

Heterogeneity in psychotic depression. Coryell W, et al. **Compr Psychiatry** 1986 Sep–Oct;27(5):430–8

A study of negative symptoms in schizophrenia and depression. Kulhara P, et al. **Compr Psychiatry** 1987 May–Jun;28(3):229–35

Diagnosis of schizophrenia: return to Schreber. Rossi R. **Compr Psychiatry** 1987 May–Jun;28(3):270–5

Symptom differences between urban and rural schizophrenics in Turkey. Chu CC, et al. **Int J Soc Psychiatry** 1986 Autumn;32(3):65–71

Identifying schizophrenia in adolescents. Weiner IB. **J Adolesc Health Care** 1987 Jul;8(4):336–43

Schizophreniform psychosis in a case of mycoplasma pneumoniae encephalitis. Gillberg C. **J Autism Dev Disord** 1980 Jun;10(2):153–8

Relationship of borderline syndrome disorders to early schizophrenia on the MMPI. Edell WS. **J Clin Psychol** 1987 Mar;43(2):163–76

Performance asymptotes in schizophrenia: a further test of the Broen–Storms theory. Watson CG, et al. **J Clin Psychol** 1987 May;43(3):303–9

The 2-mg dexamethasone suppression test in differentiating major depression with psychosis from schizophrenia. Clower CG. **J Clin Psychopharmacol** 1986 Dec;6(6):363–5

Premorbid competence, role orientation, and gender differences in DSM-II versus DSM-III schizophrenic patients. Glick M, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):609–11

Out-of-body experiences in schizophrenia. A questionnaire survey. Blackmore S. **J Nerv Ment Dis** 1986 Oct; 174(10):615–9

Patterns of recall in schizophrenics and normal subjects. Culver LC, et al. **J Nerv Ment Dis** 1986 Oct;174(10):620–3

Span of apprehension among remitted schizophrenics using small visual angles. Dobson DJ, et al. **J Nerv Ment Dis** 1987 Jun;175(6):362–6

Outcome predictors in acute schizophrenia. Prospective significance of background and clinical dimensions. Kay SR, et al. **J Nerv Ment Dis** 1987 Mar;175(3):152–60

Depression, parkinsonian symptoms, and negative symptoms in schizophrenics treated with neuroleptics. Prosser ES, et al. **J Nerv Ment Dis** 1987 Feb;175(2):100–5

An application of Mokken's model for stochastic, cumulative scaling in psychiatric research. DeJong A, et al. **J Psychiatr Res** 1987;21(2):137–49

Schedule for Affective Disorders and Schizophrenia—Lifetime Version modified for the study of anxiety disorders (SADS-LA): rationale and conceptual development. Mannuzza S, et al. **J Psychiatr Res** 1986; 20(4):317–25

A longitudinal study of schizophrenia in adolescence. I. The one- to three-year outcome. Inoue K, et al. **Jpn J Psychiatry Neurol** 1986 Jun;40(2):143–51

The psychiatric diagnosis: is it an instrument of help or one of doom? Shieber A, et al. **Med Law** 1987;6(2):165–72

Dexamethasone suppression test in schizophrenia. A study and review. Asnis GM, et al. **Neuropsychobiology** 1986; 15(3–4):109–13

The dexamethasone suppression test in affective illnesses and schizophrenia: relationship with psychotic symptoms. Hubain PP, et al. **Neuropsychobiology** 1986;16(2–3):57–60

The conquest of "schizophrenia:" Sisyphus revisited.Anker JM. **Pavlov J Biol Sci** 1979 Apr–Jun;14(2):97–103

Impoverished written responses and negative features of schizophrenia. Manschreck TC, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1163–9

Dexamethasone suppression test and depressive symptoms in schizophrenics and endogenous depressed patients. Perényi A, et al. **Pharmacopsychiatry** 1987 Mar;20(2):48–50

The positive–negative dimension in schizophrenia: its validity and significance. Kay SR, et al. **Psychiatr Dev** 1987 Summer;5(2):79–103

Rapid dynamic CT scanning to distinguish schizophrenic from normal subjects. Dysken M, et al. **Psychiatry Res** 1987 Feb;20(2):165–75

Negative Symptom Rating Scale: limitations in psychometric and research methodology [letter] Kay SR, et al. **Psychiatry Res** 1986 Oct;19(2):169–73

Three subtypes of chronic schizophrenia identified using 11C-glucose positron emission tomography. Kishimoto H, et al. **Psychiatry Res** 1987 Aug;21(4):285–92

Rating scales in research: the case of negative symptoms. Thiemann S, et al. **Psychiatry Res** 1987 Jan;20(1):47–55

The positive and negative symptoms of schizophrenia reflect impairments in the perception and initiation of action. Frith CD. **Psychol Med** 1987 Aug;17(3):631–48

The occurrence of organic disease of possible or probable aetiological significance in a population of 268 cases of first episode schizophrenia. Johnstone EC, et al. **Psychol Med** 1987 May;17(2):371–9

Schizophrenic syndromes, cognitive performance and neurological dysfunction. Liddle PF. **Psychol Med** 1987 Feb;17(1):49–57

Early manifestations and first-contact incidence of schizophrenia in different cultures. A preliminary report on the initial evaluation phase of the WHO Collaborative Study on determinants of outcome of severe mental disorders. Sartorius N, et al. **Psychol Med** 1986 Nov; 16(4):909–28

First-rank symptoms and Bleuler's basic symptoms. New results in applying the polydiagnostic approach. Berner P, et al. **Psychopathology** 1986;19(5):244–52

Symptoms, diagnosis and time in hospital. A polydiagnostic study of schizophrenia. Lenz G, et al. **Psychopathology** 1986;19(5):253–8

Prognostication in schizophrenia. Marinow A. **Psychopathology** 1986;19(4):192–5

A clinical assessment and documentation template for psychopharmacology research. Rhoades HM, et al. **Psychopharmacol Bull** 1987;23(2):272–8

The diagnosis of schizophrenia. Andreasen NC. **Schizophr Bull** 1987;13(1):9–22

Thought, language, and communication in schizophrenia: diagnosis and prognosis. Andreasen NC, et al. **Schizophr Bull** 1986;12(3):348–59

Scale for the assessment of thought, language, and communication (TLC). Andreasen NC. **Schizophr Bull** 1986;12(3):473–82

Approaches to knowledge and understanding of schizophrenia. Carpenter WT Jr. **Schizophr Bull** 1987; 13(1):1–8

The search for symptoms predictive of schizophrenia. Chapman LJ, et al. **Schizophr Bull** 1987;13(3):497–503

Process-reactive dimension and outcome for narrow concepts of schizophrenia. Harrow M, et al. **Schizophr Bull** 1987;13(3):361–8 (45 ref.)

Schizophrenic thought disorder at followup: its persistence and prognostic significance. Harrow M, et al. **Schizophr Bull** 1986;12(3):373–93

Evaluating the process-reactive dimension. Herron WG. **Schizophr Bull** 1987;13(3):357–9

Recent studies of psychophysiology in schizophrenia. Holzman PS. **Schizophr Bull** 1987;13(1):49–75

Quality of thought disorder in differential diagnosis. Holzman PS, et al. **Schizophr Bull** 1986;12(3):360–71

The positive and negative syndrome scale (PANSS) for schizophrenia. Kay SR, et al. **Schizophr Bull** 1987; 13(2):261–76

Concurrent and predictive validity of components of disordered thinking in schizophrenia. Knight RA, et al. **Schizophr Bull** 1986;12(3):427–46

Evaluating bizarre-idiosyncratic thinking: a comprehensive index of positive thought disorder. Marengo JT, et al. **Schizophr Bull** 1986;12(3):497–511

Biological studies in schizophrenia. Meltzer HY. **Schizophr Bull** 1987;13(1):77–111

Attentional vulnerability indicators, thought disorder, and negative symptoms. Nuechterlein KH, et al. **Schizophr Bull** 1986;12(3):408–26

Information-processing abnormalities: trait- and state-dependent components. Saccuzzo DP, et al. **Schizophr Bull** 1986;12(3):447–59

Scoring manual for the Thought Disorder Index. Solovay MR, et al. **Schizophr Bull** 1986;12(3):483–96

Acquired immunodeficiency syndrome presenting as schizophrenia. Cummings MA, et al. **West J Med** 1987 May;146(5):615–8

[The diagnosis of schizophrenia] Pakaslahti A. **Duodecim** 1986;102(15):1044–51 **(Fin)**

[Childhood antecedents in adult schizophrenics. I) Critical review of retrospective and prospective studies] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):376–86 **(Fre)**

[Childhood antecedents in adult schizophrenics. II) Anamnestic study of 35 adult schizophrenics] Etchepare JJ, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):387–95 **(Fre)**

[Computer-assisted study of states of destructuring referred to as "schizophrenic"]Marchais P, et al. **Ann Med Psychol (Paris)** 1986 Sep–Oct;144(8):860–9 **(Fre)**

[Transient delusional disorders and schizophrenia. Comparative catamnestic study of 2 groups of patients] Singer L, et al. **Ann Med Psychol (Paris)** 1986 Dec; 144(10):1029–43 (Eng. Abstr.) **(Fre)**

[Present status of the diagnosis of schizophrenia] Modestin J. **Dtsch Med Wochenschr** 1987 Sep 18;112(38):1470–4 (38 ref.) **(Ger)**

[Significance of information processing systems for schizophrenic diseases, exemplified by deficient memory functions] Jost K. **Eur Arch Psychiatry Neurol Sci** 1986; 236(2):67–74 (Eng. Abstr.) **(Ger)**

[Basic schizophrenic disorders] Süllwold L, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 1986;42:1–177 **(Ger)**

[The course of the first schizophrenic illness. A 5-year catamnesis] Fähndrich E, et al. **Nervenarzt** 1986 Dec; 57(12):705–11 **(Ger)**

[The course of schizophrenia and periodicity—an empirical evaluation of their relation] Gmür M, et al. **Nervenarzt** 1987 Feb;58(2):121–3 **(Ger)**

[Congruence between the Frankfurt Complaint Inventory and the clinical rating of schizophrenic patients] Gmür M. **Nervenarzt** 1987 Jun;58(6):365–8 **(Ger)**

[Experiences with the René Bloch "multidimensional art test"] Gawlik K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr;39(4):234–8 (Eng. Abstr.) **(Ger)**

[Interdiction and guardianship—a comparative analysis from the neurologist's viewpoint] Kreiner R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Sep; 38(9):538–46 (Eng. Abstr.) **(Ger)**

[Has the cataphasic form of schizophrenia increased in modern times?] Leonhard K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):443–9 (Eng. Abstr.) **(Ger)**

[Subjective basic symptoms and definition of schizophrenia] Modestin J, et al. **Schweiz Arch Neurol Psychiatr** 1987; 138(2):35–41 (Eng. Abstr.) **(Ger)**

[Schizophrenic thought disorders. Identification of parameters of inferential processes for computer-assisted diagnostic findings in psychiatric diagnosis. I] Krause W, et al. **Z Psychol** 1986;194(4):411–41 (Eng. Abstr.) **(Ger)**

[Expert psychiatric evaluation of the deaf-mute, with special emphasis on their mental competence] Kelemen J, et al. **Morphol Igazsagugyi Orv Sz** 1986 Oct;26(4):291–7 (Eng. Abstr.) **(Hun)**

[The concept of the schizophrenic defect syndrome] Albarello B. **Minerva Psichiatr** 1986 Jul–Sep;27(3):243–7 (Eng. Abstr.) **(Ita)**

[Schizophrenia-like syndromes in the light of the psychopathologic analysis of 1159 cases of acute schizophrenic psychoses] Smoczyński S. **Psychiatr Pol** 1986 Jul–Aug;20(4):257–63 (Eng. Abstr.) **(Pol)**

[Common features in the signs of normal mental aging and senile dementia] Bukatina EE. **Zh Nevropatol Psikhiatr** 1986;86(9):1362–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of cyclothymia-like schizophrenia in puberty] Danilova LIu. **Zh Nevropatol Psikhiatr** 1986;86(10):1539–43 (Eng. Abstr.) **(Rus)**

[Systems approach to prognostic criteria for depression] Grigor'eva EA, et al. **Zh Nevropatol Psikhiatr** 1987; 87(4):550–5 (Eng. Abstr.) **(Rus)**

[Clinico-dynamic aspects of long-term remissions in schizophrenia] Mazaeva NA, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):71–7 (Eng. Abstr.) **(Rus)**

[Clinico-psychological features of patients with favorable outcomes of slowly-progressive juvenile schizophrenia] Tsutsul'kovskaia MIa, et al. **Zh Nevropatol Psikhiatr** 1986; 86(12):1825–31 (Eng. Abstr.) **(Rus)**

[Age and features of depressions during the 2d half of life] Vertogradova OP, et al. **Zh Nevropatol Psikhiatr** 1986; 86(9):1380–4 (Eng. Abstr.) **(Rus)**

[Comparative age-related study of anxiety depression in adolescents and young adults] Voloshin VM. **Zh Nevropatol Psikhiatr** 1986;86(10):1547–51 (Eng. Abstr.) **(Rus)**

[Schizophrenia and operational definitions] Colodrón A. **Arch Neurobiol (Madr)** 1987 Jan–Feb;50(1):15–24 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Gluten free/gluten-load trial [letter] Vaddadi KS. **Br J Psychiatry** 1986 Aug;149:244

DRUG THERAPY

Remoxipride in schizophrenia. A preliminary report. den Boer JA, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):409–14

Haloperidol decanoate and flupenthixol decanoate in schizophrenia. A long-term double-blind cross-over comparison. Eberhard G, et al. **Acta Psychiatr Scand** 1986 Sep;74(3):255–62

Trihexyphenidyl abuse: therapeutic implications for negative symptoms of schizophrenia? Fisch RZ. **Acta Psychiatr Scand** 1987 Jan;75(1):91–4

Verapamil in treatment of severe schizophrenia. Schepelern S, et al. **Acta Psychiatr Scand** 1987 May;75(5):557–8

Dexamethasone suppression test in schizophrenic patients before and during neuroleptic treatment. Wik G, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):161–7

Beta-adrenergic blockers for aggressive behavior in schizophrenia [letter] **Am J Psychiatry** 1987 Apr; 144(4):538–9

Combined alprazolam and neuroleptic drug in treating schizophrenia [letter] Bacher NM, et al. **Am J Psychiatry** 1986 Oct;143(10):1311–3

L-dopa challenge and relapse in schizophrenia. Davidson M, et al. **Am J Psychiatry** 1987 Jul;144(7):934–8

Schizophrenia, panic anxiety, and alprazolam [letter] Kahn JP, et al. **Am J Psychiatry** 1987 Apr;144(4):527–8

Alprazolam–neuroleptic combination in schizophrenia [letter] Lipinski JF Jr, et al. **Am J Psychiatry** 1986 Nov; 143(11):1501–2

Absence of acquired tolerance to neuroleptics in schizophrenic patients. Palmstierna T, et al. **Am J Psychiatry** 1987 Aug;144(8):1084–5

Pharmaco-epidemiology in 136 hospitalized schizophrenic patients. Zito JM, et al. **Am J Psychiatry** 1987 Jun; 144(6):778–82

Clinical and biochemical effects of verapamil administration to schizophrenic patients. Pickar D, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):113–8

Positron emission tomography studies of basal ganglia and somatosensory cortex neuroleptic drug effects: differences between normal controls and schizophrenic patients. Buchsbaum MS, et al. **Biol Psychiatry** 1987 Apr; 22(4):479–94

Failure to alleviate symptoms of schizophrenia with the novel use of an antiviral agent, acyclovir (Zovirax). DeLisi LE, et al. **Biol Psychiatry** 1987 Feb;22(2):216–20

Neuroleptic-induced parkinsonism in older schizophrenics. Hoffman WF, et al. **Biol Psychiatry** 1987 Apr;22(4):427–39

Bromocriptine in neuroleptic resistance [letter] Manji HK, et al. **Biol Psychiatry** 1987 Apr;22(4):523–4

Antipsychotic drugs and plasma vasopressin in normals and acute schizophrenic patients. Raskind MA, et al. **Biol Psychiatry** 1987 Apr;22(4):453–62

Interactions between procyclidine and neuroleptic drugs. Some pharmacological and clinical aspects. Bamrah JS, et al. **Br J Psychiatry** 1986 Dec;149:726–33

Criteria for measuring change: statistical significance vs clinical significance [letter] Manchanda R. **Br J Psychiatry** 1986 Jun;148:744–5

Does propranolol have an antipsychotic effect? A placebo-controlled study in acute schizophrenia. Manchanda R, et al. **Br J Psychiatry** 1986 Jun;148:701–7

Does short term placebo treatment of chronic schizophrenia produce long term harm? Curson DA, et al. **Br Med J [Clin Res]** 1986 Sep 20;293(6549):726–8

Low dose maintenance medication for schizophrenia [letter] Johnson DA. **Br Med J [Clin Res]** 1986 Oct 25; 293(6554):1099

Low dose maintenance medication for schizophrenia [editorial] Manchanda R, et al. **Br Med J [Clin Res]** 1986 Aug 30;293(6546):515–6

Thrombocytopenia associated with chlorpromazine, haloperidol and thiothixene: a case report. Balon R, et al. **Can J Psychiatry** 1987 Mar;32(2):149–50

Negative symptoms and neuroleptic response [letter] Chaturvedi SK. **Can J Psychiatry** 1986 Aug;31(6):599–600

Fatal overdose with amantadine. Cook PE, et al. **Can J Psychiatry** 1986 Nov;31(8):757–8

Cyproheptadine and drug-induced anorgasmia [letter] Jeffries JJ, et al. **Can J Psychiatry** 1987 Feb;32(1):79

Poorly controlled EPS: risk factors for NMS [letter] Primeau F, et al. **Can J Psychiatry** 1987 May;32(4):328, 331

Corianin from Coriaria japonica A. Gray, and sesquiterpene lactones from Loranthus parasiticus Merr. used for treatment of schizophrenia. Okuda T, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):182–7

Classification of neuroleptics based on their pharmacokinetics. Dahl SG. **Clin Neuropharmacol** 1986;9 Suppl 4:409–11

Advantages and disadvantages of depot-neuroleptics as maintenance medication for chronic schizophrenics. Möller HJ, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:259–62

Evaluation of optimal doses of a neuroleptic: preliminary results. Potkin SG, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:437–9

Replacement of chronically administered anticholinergic drugs by amantadine in outpatient management of chronic schizophrenia. McEvoy JP, et al. **Clin Ther** 1987; 9(4):429–33

Schizophrenia and antipsychotic drugs. Nurnberg HG, et al. **Compr Ther** 1986 Oct;12(10):42–52

Pipothiazine palmitate: a versatile, sustained-action neuroleptic in psychiatric practice. Schmidt K. **Curr Med Res Opin** 1986;10(5):326–9

Efficacy of adjunctive carbamazepine in the treatment of chronic schizophrenia. Herrera JM, et al. **Drug Intell Clin Pharm** 1987 Apr;21(4):355–8

Short-term double-blind trial of pipothiazine palmitate and haloperidol in the acute phase of schizophrenia. Bechelli LP, et al. **Encephale** 1986 May–Jun;12(3):121–5

Lithium in schizophrenia [letter] Wilson WH. **Hosp Community Psychiatry** 1986 Dec;37(12):1267

Depot antipsychotics in practice. Their rôle in schizophrenia and related psychoses. **Int Clin Psychopharmacol** 1986 Jul; 1 Suppl 1:1–78

The effects of a 50% reduction of cis(z)-flupenthixol decanoate in chronic schizophrenic patients maintained on a high dose regime. Cookson IB. **Int Clin Psychopharmacol** 1987 Apr;2(2):141–9

Weight gain and prolactin levels in patients on long-term antipsychotic medication: a double-blind comparative trial of haloperidol decanoate and fluphenazine decanoate. Cookson JC, et al. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:41–51

Pharmacology, pharmacokinetics and clinical development of haloperidol decanoate. Gelders YG. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:1–11

A controlled clinical trial of tiaspirone in schizophrenia. Jain AK, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):129–33

The response of untreated chronic schizophrenics to haloperidol and haloperidol decanoate. Leff JP, et al. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:27–40

The evaluation of an ultrasound detector (UD) in the measurement of oro-facial dyskinesia. McClelland HA, et al. **Int Clin Psychopharmacol** 1987 Apr;2(2):159–64

A treatment trial with an analog of thyrotropin-releasing hormone (DN-1417) and des-tyrosine-gamma-endorphin in schizophrenia. Mizuki Y, et al. **Int Clin Psychopharmacol** 1986 Oct;1(4):303–13

A comparative trial of haloperidol decanoate and fluphenazine decanoate in chronic schizophrenic patients. Wistedt B. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:15–23

Modulation of spinal motor asymmetry by neuroleptic medication of schizophrenia patients. Tan U, et al. **Int J Neurosci** 1986 Sep;30(3):165–72

Loading—a beneficial therapeutic effect using an oral long-acting drug, Penfluridol (SEMAP). A pilot study. Munitz H, et al. **Isr J Psychiatry Relat Sci** 1986; 23(3):215–20

Predicting outcome of neuroleptic treatment on the basis of subjective response and early clinical improvement. Bartkó G, et al. **J Clin Psychiatry** 1987 Sep;48(9):363–5

Hydergine for schizophrenia [letter] Cohen MR, et al. **J Clin Psychiatry** 1987 Jan;48(1):39–40

Serum neuroleptic levels, prolactin levels, and relapse: a two-year study of schizophrenic outpatients. Faraone SV, et al. **J Clin Psychiatry** 1987 Apr;48(4):151–4

Diazepam in a patient with chronic schizophrenia complicated by agoraphobia. Finkel JA. **J Clin Psychiatry** 1987 Jan;48(1):33–4

Idiosyncratic neuroleptic response [letter] Harrop DS. **J Clin Psychiatry** 1987 Aug;48(8):344–5

Hypothermia caused by antipsychotic drugs in a schizophrenic patient. Noto T, et al. **J Clin Psychiatry** 1987 Feb;48(2):77–8

Schizophrenic thinking and neuroleptic dosage. Puente AE, et al. **J Clin Psychol** 1987 Mar;43(2):189–97

An adjunctive role for ascorbic acid in the treatment of schizophrenia? [letter] Beauclair L, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):282–3

Early phase II clinical trial of remoxipride in treatment of schizophrenia with measurements of prolactin and neuroleptic activity. Chouinard G. **J Clin Psychopharmacol** 1987 Jun;7(3):159–64

Neuroleptic radioreceptor activity and clinical outcome in schizophrenia. Contreras S, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):95–8

Flupenthixol in chronic schizophrenic inpatients: a controlled comparison with haloperidol. Ehmann TS, et al. **J Clin Psychopharmacol** 1987 Jun;7(3):173–5

Haloperidol pharmacokinetics following gastric bypass surgery [letter] Fuller AK, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):376–8

Nifedipine in neuroleptic-refractory schizophrenia [letter] Kramer MS, et al. **J Clin Psychopharmacol** 1987 Jun; 7(3):195–6

The effect of neuroleptics and other psychotropic drugs on negative symptoms in schizophrenia. Meltzer HY, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):329–38

Tiaspirone in schizophrenia. Moore NC, et al. **J Clin Psychopharmacol** 1987 Apr;7(2):98–101

Review of haloperidol blood level and clinical response: looking through the window. Volavka J, et al. **J Clin Psychopharmacol** 1987 Feb;7(1):25–30 (68 ref.)

Metoclopramide in schizophrenia (an open study). Doongaji DR, et al. **J Postgrad Med** 1986 Jul;32(3):139–45

Haloperidol metabolism and antipsychotic effect in schizophrenia [letter] Altamura AC, et al. **Lancet** 1987 Apr 4;1(8536):814–5

Neuropeptide therapies in chronic schizophrenia: TRH and vasopressin administration. Brambilla F, et al. **Neuropsychobiology** 1986;15(3–4):114–21

Comparative study of four evaluation criteria in a clinical trial with schizophrenic patients. Fombonne E, et al. **Neuropsychobiology** 1986;16(4):186–92

Neuroleptic profile of cipazoxapine (Savoxepine), a new

tetracyclic dopamine antagonist: clinical validation of the hippocampus versus striatum ratio model of dopamine receptors in animals. A preliminary report. Butler B, et al. **Pharmacopsychiatry** 1987 May;20(3):122–6

Zotepine, a neuroleptic drug with a bipolar therapeutic profile. Dieterle DM, et al. **Pharmacopsychiatry** 1987 Feb; 20(1 Spec No):52–7

Zotepine in the treatment of negative symptoms in chronic schizophrenia. Fleischhacker WW, et al. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):58–60

Low-dose zotepine in the maintenance treatment of schizophrenia. Fleischhacker WW, et al. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):61–3

Results of an open phase II study with zotepine—a new neuroleptic compound. Fleischhacker WW, et al. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):64–6

Effectivity of zotepine in refractory psychoses: possible relationship between zotepine and non-dopamine psychosis. Harada T, et al. **Pharmacopsychiatry** 1987 Feb; 20(1 Spec No):47–51

Clinical experience with the neuroleptic zotepine—first results. Haug HJ. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):35–7

Clinical and EEG studies of zotepine, a thiepine neuroleptic, on schizophrenic patients. Higashi Y, et al. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):8–11

Findings with cis-Z-clopenthixol in the treatment of acute mania and schizophrenia. König P, et al. **Pharmacopsychiatry** 1986 Nov;19(6):424–8

Quantitative EEG, SPEM, and psychometric studies in schizophrenics before and during differential neuroleptic therapy. Saletu B, et al. **Pharmacopsychiatry** 1986 Nov; 19(6):434–7

Comparison of efficacy of zotepine and thiothixene in schizophrenia in a double-blind study. Sarai K, et al. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):38–46

Autonomic nervous system differences as predictors of short-term outcome in schizophrenics. Straube ER, et al. **Pharmacopsychiatry** 1987 May;20(3):105–10

Rebound insomnia in neuroleptic drug withdrawal neurophysiologic characteristics. van Sweden B. **Pharmacopsychiatry** 1987 May;20(3):116–9

Clinical and neuroendocrine effects of zotepine—a new neuroleptic drug. von Bardeleben U, et al. **Pharmacopsychiatry** 1987 Feb;20(1 Spec No):28–34

Open clinical trial of carbamazepine in chronic schizophrenic inpatients. Wetterling T. **Pharmacopsychiatry** 1987 May; 20(3):127–30

An open clinical trial with the long-acting neuroleptic zuclopenthixol decanoate in the maintenance treatment of schizophrenia. Kazi HA. **Pharmatherapeutica** 1986; 4(9):555–60

Dopamine agonists in the treatment of schizophrenia. Del Zompo M, et al. **Prog Brain Res** 1986;65:41–8

Verapamil in refractory schizophrenia: a case report. Bloom DM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987;11(2–3):185–8

The effect of trihexphenidyl (Artane) on memory in schizophrenic patients. Fennig S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(1):71–8

A neuroendocrinological study of responders and non-responders to ceruletide treatment in chronic neuroleptic-resistant schizophrenia. Moroji T, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(1):49–64

Noncompliance in schizophrenia. Babiker IE. **Psychiatr Dev** 1986 Winter;4(4):329–37 (28 ref.)

Strategies of clinical research on neurobiological determinants of psychosis. Helmchen H, et al. **Psychiatr Dev** 1987 Spring;5(1):51–62

The phenomenology of recovery in a chronic schizophrenic. Ratey JJ, et al. **Psychiatry** 1986 Nov;49(4):277–89

A double-blind study with ceruletide in chronic schizophrenic patients: biochemical and clinical results. Albus M, et al. **Psychiatry Res** 1986 Sep;19(1):1–7

Neuroleptic bioavailability, psychosocial factors, and clinical status: a 1-year study of schizophrenic outpatients after dose reduction. Faraone SV, et al. **Psychiatry Res** 1986 Dec;19(4):311–22

Anticholinergic-neuroleptic antagonism in terms of positive and negative symptoms of schizophrenia: implications for psychobiological subtyping. Singh MM, et al. **Psychol Med** 1987 Feb;17(1):39–48

Tardive dyskinesia: natural history studies assist the pursuit of preventive therapies. Stahl SM. **Psychol Med** 1986 Aug; 16(3):491–4

Endocrine responses to tryptophan infusion in schizophrenic patients treated with neuroleptics. Kolakowska T, et al. **Psychoneuroendocrinology** 1987;12(3):193–202

Long-term effects of L-dopa and procyclidine on neuroleptic-induced extrapyramidal and schizophrenic symptoms. Chouinard G, et al. **Psychopharmacol Bull** 1987; 23(1):221–6

Supersensitivity psychosis and tardive dyskinesia: a survey in schizophrenic outpatients. Chouinard G, et al. **Psychopharmacol Bull** 1986;22(3):891–6

Associations among plasma prolactin levels, tardive dyskinesia, and paranoia in treated schizophrenics: relevance to supersensitivity psychosis. Csernansky JG, et al. **Psychopharmacol Bull** 1986;22(3):897–9

Remoxipride, a novel atypical neuroleptic, in the treatment of schizophrenia. den Boer JA, et al. **Psychopharmacol Bull** 1987;23(1):206–10

Basic and clinical studies of neuroleptic-induced supersensitivity psychosis and dyskinesia. Diamond BI, et al. **Psychopharmacol Bull** 1986;22(3):900–5

Novel drug treatments for schizophrenia. Hollister LE. **Psychopharmacol Bull** 1987;23(1):82–4

Expressed emotion, maintenance pharmacotherapy, and schizophrenic relapse among Mexican-Americans. Jenkins JH, et al. **Psychopharmacol Bull** 1986;22(3):621–7

Anticholinergic prophylaxis in young adults treated with neuroleptic drugs. Lake CR, et al. **Psychopharmacol Bull** 1986;22(3):981–4

Prediction of relapse in schizophrenia. Lieberman JA, et al. **Psychopharmacol Bull** 1986;22(3):845–53

Expressed emotion, fixed-dose fluphenazine decanoate maintenance, and relapse in recent-onset schizophrenia. Nuechterlein KH, et al. **Psychopharmacol Bull** 1986; 22(3):633–9

Targeted treatment of depression-like symptoms in schizophrenia. Siris SG, et al. **Psychopharmacol Bull** 1987; 23(1):85–9

Verapamil in the treatment of chronic schizophrenia. Tourjman SV, et al. **Psychopharmacol Bull** 1987;23(1):227–9

The therapeutic index of haloperidol in newly admitted schizophrenic patients. Van Putten T, et al. **Psychopharmacol Bull** 1987;23(1):201–5

Effect of neuroleptics on the schizophrenic syndrome. Meltzer HY. **Psychopharmacol Ser** 1987;3:255–65

Biochemical alterations produced by neuroleptics in man: studies of plasma homovanillic acid in schizophrenic patients. Pickar D, et al. **Psychopharmacol Ser** 1987; 3:248–54

The negative symptoms of schizophrenia and the monoamine oxidase inhibitors. Bucci L. **Psychopharmacology (Berlin)** 1987;91(1):104–8

Supersensitivity and clozapine withdrawal [letter] Eklund K. **Psychopharmacology (Berlin)** 1987;91(1):135

Fluphenazine activity and antipsychotic response. Hitzemann RJ, et al. **Psychopharmacology (Berlin)** 1986;90(2):270–3

Provocative tests with psychostimulant drugs in schizophrenia. Lieberman JA, et al. **Psychopharmacology (Berlin)** 1987;91(4):415–33

Double blind controlled trials of cholecystokinin octapeptide in neuroleptic-refractory schizophrenia. Peselow E, et al. **Psychopharmacology (Berlin)** 1987;91(1):80–4

Benzodiazepines in schizophrenia [letter] Greenstein RA, et al. **Psychosomatics** 1986 Nov;27(11):799

Prospective study of course of illness in schizophrenia: Part III. Treatment and outcome. Gaebel W, et al. **Schizophr Bull** 1987;13(2):307–16

Treatment of schizophrenia. Kane JM. **Schizophr Bull** 1987; 13(1):133–56

Episodic and residual thought pathology in chronic schizophrenics: effect of neuroleptics. Spohn HE, et al. **Schizophr Bull** 1986;12(3):394–407

[Evaluation of persistent or interrupted treatment of schizophrenics] Xu L. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1986 Jun; 19(3):175–8 (Eng. Abstr.) **(Chi)**

[Substitution of fluphenazine decanoate with oxyprothepine decanoate in long-term maintenance therapy in schizophrenia] David I, et al. **Cesk Psychiatr** 1986 Oct; 82(5):313–7 (Eng. Abstr.) **(Cze)**

[Maintenance therapy using clopenthixol decanoate in schizophrenic patients] Kabeš J, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):189–94 (Eng. Abstr.) **(Cze)**

[The maintenance dosage of neuroleptic agents] Stolk PJ. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1158–9 **(Dut)**

[Efficacy of low doses of atypical neuroleptics (benzamides) in defect states] Boyer P. **Ann Med Psychol (Paris)** 1986 Jun;144(6):593–9 (Eng. Abstr.) **(Fre)**

[Value of pinpointing mood swings in expanding the indications for lithium salts in schizophrenic psychosis] Capdeville C, et al. **Ann Med Psychol (Paris)** 1987 Jan; 145(1):78–82 **(Fre)**

[Treatment of schizophrenia with powerful neuroleptics] Balant L, et al. **Rev Med Suisse Romande** 1986 Dec; 106(12):1073–87 **(Fre)**

[Long-term therapy with depot neuroleptics. Prevention of recurrence in chronic schizophrenic patients] Bergener M, et al. **Fortschr Med** 1986 Oct 23;104(40):756–60 (Eng. Abstr.) **(Ger)**

[Neuroleptic modification of basic schizophrenic disorders] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 May;39(5):274–80 (Eng. Abstr.) **(Ger)**

[Changes in the health state of schizophrenic patients in neuroleptic therapy] Heim M. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):483–7 (Eng. Abstr.) **(Ger)**

[Negative vs. positive therapy expectations and compliance vs. noncompliance] Linden M. **Psychiatr Prax** 1987 Jul; 14(4):132–6 (Eng. Abstr.) **(Ger)**

[Results of treatment with clozapine in schizophrenic adolescents] Siefen G, et al. **Z Kinder Jugenpsychiatr** 1986; 14(3):245–57 (Eng. Abstr.) **(Ger)**

[Practical problems of prognosis in neuroleptic therapy] Bartkó G, et al. **Orv Hetil** 1986 Oct 26;127(43):2621–5 (Eng. Abstr.) **(Hun)**

[Blood levels of neuroleptics required to prevent recurrence—a radioreceptor assay] Nakahara Y, et al. **Seishin Shinkeigaku Zasshi** 1986;88(11):944–51 **(Jpn)**

[Dynamics of the serum pipothiazine level in patients with schizophrenia during long-term treatment with this neuroleptic agent] Lipska B, et al. **Psychiatr Pol** 1987 Jan-Feb;21(1):14–9 (Eng. Abstr.) **(Pol)**

[Changes in the plasma chlorpromazine level in relation to drug dosage] Olajossy M, et al. **Psychiatr Pol** 1986 Jul-Aug; 20(4):264–7 (Eng. Abstr.) **(Pol)**

[The serum fluphenazine level in patients with schizophrenia and the results of long-term treatment] Szukalski B, et al. **Psychiatr Pol** 1987 Jan-Feb;21(1):26–31 (Eng. Abstr.) **(Pol)**

[Schizophrenia and the minimal brain dysfunction syndrome] Dikil' NT. **Vrach Delo** 1986 Nov;(11):94–5 (Eng. Abstr.) **(Rus)**

[Complexes of significant biosocial and social factors in the treatment of schizophrenia] Mikolalskiĭ MV. **Vrach Delo** 1986 Nov;(11):96–7 (Eng. Abstr.) **(Rus)**

[Use of the immunomodulator levamisole in the complex treatment of juvenile schizophrenics with an unfavorable course] Mikheeva TV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(1):109–13 (Eng. Abstr.) **(Rus)**

[Psychotropic drug therapy using maintenance dosage pumps] Smulevich AB, et al. **Zh Nevropatol Psikhiatr** 1987; 87(6):888–93 (Eng. Abstr.) **(Rus)**

[Structure of the anxious-delusional syndrome of schizophrenic patients during treatment with anxiolytics] Vasil'ev AA, et al. **Zh Nevropatol Psikhiatr** 1986; 86(8):1217–22 (Eng. Abstr.) **(Rus)**

[Evaluation of the incidence of tardive dyskinesias in 3 groups of patients treated with different neuroleptics] Barcia D, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Jan-Feb;15(1):25–8 (Eng. Abstr.) **(Spa)**

ECONOMICS

[Costs of psychiatric treatment: a comparative approach to 3 categories of patients] Fischer W, et al. **Soz Praventivmed** 1987;32(3):168–75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Aryl sulfatase A deficiency in psychiatric and neurologic patients. Herska M, et al. **Am J Med Genet** 1987 Mar; 26(3):629–35

Increased plasma phospholipase-A2 activity in schizophrenic patients: reduction after neuroleptic therapy. Gattaz WF, et al. **Biol Psychiatry** 1987 Apr;22(4):421–6

A biochemical hypothesis of wandering. Weller MP. **Med Sci Law** 1987 Jan;27(1):40–1

Urinary trace amine excretion and platelet monoamine oxidase activity in schizophrenia. Yoshimoto S, et al. **Psychiatry Res** 1987 Jul;21(3):229–36

[Concentration of neuron- and non-neuron-specific enolase isoenzymes in different structures of the brains of mentally healthy subjects and schizophrenic patients] Burbaeva GSh, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):104–9 (Eng. Abstr.) **(Rus)**

ETHNOLOGY

[Difference in the familial and kinfolk morbidity of schizophrenics in different nationalities] Gang XQ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):95–6 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Alcoholism followed by schizophrenia. Hays P, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):187–9

The etiology of schizophrenia: a replication test of the social selection vs. the social causation hypotheses. Levav I, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):183–9

Implications of normal brain development for the pathogenesis of schizophrenia. Weinberger DR. **Arch Gen Psychiatry** 1987 Jul;44(7):660–9

Opioid peptides and psychiatric illness. Ball R. **Br J Hosp Med** 1987 Jan;37(1):49–50, 52 (64 ref.)

Threatening life events in the onset of schizophrenia, schizophreniform psychosis and hypomania. Chung RK, et al. **Br J Psychiatry** 1986 Jun;148:680–5

Seasons of birth and sub-types of schizophrenia [letter] Hsieh HH, et al. **Br J Psychiatry** 1986 Jul;149:125

A unitary view on the aetiology of schizophrenia [letter] Lo CW. **Br J Psychiatry** 1986 Aug;149:245

Schizophrenia-like psychosis associated with vein of Galen malformation: a case report. Aleem A, et al. **Can J Psychiatry** 1987 Apr;32(3):226–7

Stressful life events preceding the acute onset of schizophrenia: a cross-national study from the World Health Organization. Day R, et al. **Cult Med Psychiatry** 1987 Jun;11(2):123–205

Expressed emotion in families: a critical review. Kanter J, et al. **Hosp Community Psychiatry** 1987 Apr;38(4):374–80 (31 ref.)

The attitudes of psychiatrists toward etiological theories of schizophrenia: 1975–1985. Gallagher BJ 3d, et al. **J Clin Psychol** 1987 Jul;43(4):438–43

The relationships of anhedonia and the process-reactive dimension to season of birth and infectious disease incidence in schizophrenia. Watson CG, et al. **J Nerv Ment Dis** 1987 Jan;175(1):34–40

Multicultural studies and the nature schizophrenia: a review. Jablensky A. **J R Soc Med** 1987 Mar;80(3):162–7 (21 ref.)

Epidemiology of schizophrenia. Wing JK. **J R Soc Med** 1987

Mar;80(3):134–5
Note on an abnormality of the operator for the structural gene of the dopamine D1 receptor as a possible partial cause of schizophrenia. Wassermann GD. **J Theor Biol** 1986 Jun 7;120(3):277–83
HIV and schizophrenia [letter] **Lancet** 1987 Jun 6; 1(8545):1316–7
Causes of schizophrenia. Lewis SW. **Lancet** 1987 May 23; 1(8543):1216–7
Calcium dependent aspects of synaptic plasticity, excitatory amino acid neurotransmission, brain aging and schizophrenia: a unifying hypothesis. Etienne P, et al. **Neurobiol Aging** 1987 Jul–Aug;8(4):362–6
Adolescence and mental illness [letter] Feinberg I. **Science** 1987 May 1;236(4801):507–8
Meningioma in a chronic schizophrenic. Roberts JA, et al. **Scott Med J** 1987 Jun;32(3):83–4
[Etiological factors in schizophrenia––multiple regression analysis] Lou HM.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1987 Feb; 20(1):40–2 (Eng. Abstr.) **(Chi)**
[Only the dopamine hypothesis in schizophrenia?] Valchář M. **Cesk Psychiatr** 1987 Apr;83(2):98–104 (Eng. Abstr.) **(Cze)**
[Neuropeptides and the pathogenesis and treatment of endogenous mental disorders] Pużyński S.
Postepy Biochem 1985;31(3–4):509–30 (116 ref.) **(Pol)**
[Birth order, sex and schizophrenia] Térzis AI.
Arq Neuropsiquiatr 1986 Jun;44(2):147–54 (Eng. Abstr.) **(Por)**
[Clinico–catamnestic study of patients with paroxysmal–progressive schizophrenia with a history of affective, anxiety–affective and affective–hallucinatory attacks in childhood/and full–blown hallucinatory–delusional attacks in adolescence]
Simashkova NV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(10):1528–33 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Schizophrenic patients and their parents. A multimethod design and the findings from an illustrative empirical study of cognitive disorders and communication deviances. Rund BR, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):396–408
Stress, competence, and development: continuities in the study of schizophrenic adults, children vulnerable to psychopathology, and the search for stress–resistant children. Garmezy N. **Am J Orthopsychiatry** 1987 Apr; 57(2):159–74 (79 ref.)
On concordance for tuberculosis and schizophrenia [letter] Bracha HS. **Am J Psychiatry** 1986 Dec;143(12):1634
Left cerebral hemisphere hypodensity in discordant schizophrenic twins. A controlled study. Reveley MA, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):625–32
Genetics of schizophrenia: II. Vulnerability traits and gene markers. Baron M. **Biol Psychiatry** 1986 Oct; 21(12):1189–211 (103 ref.)
The continuum of psychosis and its implication for the structure of the gene. Crow TJ. **Br J Psychiatry** 1986 Oct; 149:419–29
Different causative factors in different forms of schizophrenia. Leonhard K. **Br J Psychiatry** 1986 Jul; 149:1–6
Inbreeding and schizophrenia. Saugstad L, et al. **Clin Genet** 1986 Oct;30(4):261–75
Genetic modelling in schizophrenia according to HLA typing. Smeraldi E, et al. **Clin Genet** 1986 Sep;30(3):157–66
Increased concentrations of various amino acids in schizophrenic patients. Evidence for heterozygosity effects? Smeraldi E, et al. **Hum Genet** 1987 Jun;76(2):138–40
Sustained attention in children at risk for schizophrenia: findings with two visual continuous performance tests in a new sample. Rutschmann J, et al.
J Abnorm Child Psychol 1986 Sep;14(3):365–85
Coffin–Lowry syndrome and schizophrenia: a family report. Collacott RA, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):199–207
Hypothalamic dysfunction related to third ventricular size. Gu NF, et al. **J Oslo City Hosp** 1986 Oct–Nov; 36(10–11):117–21
The schizophrenic diathesis and the kibbutz. Rabin AI. **J Pers Assess** 1986 Fall;50(3):448–54
Morbidity risk of schizophrenia to parents and siblings of schizophrenic patients. Shimizu A, et al.
Jpn J Psychiatry Neurol 1987 Mar;41(1):65–70
Genetic and immunological factors in affective disorders and schizophrenia. Mendlewicz J, et al. **Prog Brain Res** 1986; 65:1–15 (159 ref.)
Candidate genes and favoured loci: strategies for molecular genetic research into schizophrenia, manic depression, autism, alcoholism and Alzheimer's disease. Gurling H. **Psychiatr Dev** 1986 Winter;4(4):289–309 (94 ref.)
Relationship of HLA to schizophrenia in 10 nuclear families. Goldin LR, et al. **Psychiatry Res** 1987 Jan;20(1):69–77
Fluctuating dermatoglyphic asymmetry and the genetics of liability to schizophrenia. Markow TA, et al.
Psychiatry Res 1986 Dec;19(4):323–8
A family study of plasma dopamine–beta–hydroxylase in schizophrenia. Sakellariou G, et al. **Psychiatry Res** 1987 Mar;20(3):221–7
A study of genetic linkage in schizophrenia. Andrew B, et al. **Psychol Med** 1987 May;17(2):363–70
Genetic latent structure models: implication for research on schizophrenia. Matthysse S, et al. **Psychol Med** 1987 May; 17(2):271–4
Familial correlation of memory function in schizophrenia. Chazan S, et al. **Psychopathology** 1986;19(4):165–9
The genetics of schizophrenia: a current perspective. Kendler KS. **Psychopharmacol Bull** 1986;22(3):918–22
Genetic principles and methods in high–risk studies of schizophrenia. Cloninger CR. **Schizophr Bull** 1987; 13(3):515–23 (38 ref.)
The New York High–Risk Project: a followup report. Erlenmeyer–Kimling L, et al. **Schizophr Bull** 1987; 13(3):451–61
Infant predictors of the longitudinal course of schizophrenic development. Fish B. **Schizophr Bull** 1987;13(3):395–409
First person account: three generations of schizophrenia. Fuchs L. **Schizophr Bull** 1986;12(4):744–7
Methodological issues facing the interpretation of high–risk studies: biological heterogeneity. Garver DL.
Schizophr Bull 1987;13(3):525–9 (0 ref.)
The UCLA High–Risk Project. Goldstein MJ.
Schizophr Bull 1987;13(3):505–14
Emory University Project on Children of Disturbed Parents. Goodman SH. **Schizophr Bull** 1987;13(3):411–23
Clinical genetics as clues to the "real" genetics of schizophrenia (a decade of modest gains while playing for time). Gottesman II, et al. **Schizophr Bull** 1987;13(1):23–47
Swedish high–risk study: sample characteristics at age 6. McNeil TF, et al. **Schizophr Bull** 1987;13(3):373–81
Review of the NIMH Israeli Kibbutz–City Study and the Jerusalem Infant Development Study. Marcus J, et al.
Schizophr Bull 1987;13(3):425–38
The Copenhagen High–Risk Project, 1962–86. Mednick SA, et al. **Schizophr Bull** 1987;13(3):485–95
Early indicators of developmental risk: Rochester Longitudinal Study. Sameroff A, et al. **Schizophr Bull** 1987; 13(3):383–94
Genetic and psychosocial factors in schizophrenia: the Finnish Adoptive Family Study. Tienari P, et al.
Schizophr Bull 1987;13(3):477–84
Risk factors in schizophrenia: the Stony Brook High–Risk Project. Weintraub S. **Schizophr Bull** 1987;13(3):439–50
University of Rochester Child and Family Study: risk research in progress. Wynne LC, et al. **Schizophr Bull** 1987; 13(3):463–76
[Cytogenetic changes in 48 cases of schizophrenia] Hong ML.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1986 Jun; 19(3):188–91 (Eng. Abstr.) **(Chi)**
[Repetitive phenomena and pathology of mourning in the genealogy of schizophrenia] Bovet P, et al.
Acta Psychiatr Belg 1986 Jul–Aug;86(4):450–6 (Eng. Abstr.) **(Fre)**
[Disorders of cognitive function in children and adolescents with acute psychoses and those at risk for schizophrenia] Bunk D, et al. **Prax Kinderpsychol Kinderpsychiatr** 1987 Jan;36(1):8–15 (Eng. Abstr.) **(Ger)**
[Monozygotic twins with schizoform psychosis and hypothalamic–induced hypogonadotropic hypogonadism] Genz A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Apr;39(4):209–15 (Eng. Abstr.) **(Ger)**
[Relation between paranoid psychoses and schizophrenia (according to genetic–correlation analysis)] Chernikova TS. **Zh Nevropatol Psikhiatr** 1987;87(3):428–31 (Eng. Abstr.) **(Rus)**
[Neuropsychological disintegration in the early ontogenesis of children from a group at high–risk of developing endogenous mental diseases] Kozlovskaia GV, et al.
Zh Nevropatol Psikhiatr 1986;86(10):1534–8 (Eng. Abstr.) **(Rus)**
[Family background of schizophrenic patients displaying acute delusional and hallucinatory psychoses] Ozerova NI, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):94–100 (Eng. Abstr.) **(Rus)**
[Clinico–genetic aspect of the relation of the schizoid character anomaly and schizophrenia (review of the literature)] Ritsner MS. **Zh Nevropatol Psikhiatr** 1987; 87(5):777–84 (127 ref.) **(Rus)**
[Late endogenous psychoses in light of clinico–genealogic research] Rokhlina ML. **Zh Nevropatol Psikhiatr** 1986; 86(9):1367–71 (Eng. Abstr.) **(Rus)**
[Features of the distribution of HLA–antigens among patients with endogenous psychoses] Sorokina TT, et al.
Zh Nevropatol Psikhiatr 1987;87(6):885–8 (Eng. Abstr.) **(Rus)**

HISTORY

A schizophrenic composer––Jakob Adolf Hägg. Gunne LM. **Acta Psychiatr Scand** 1986 Jul;74(1):1–2
Dementia praecox oder die Gruppe der Schizophrenien: Eugen Bleuler. Bleuler M, et al. **Br J Psychiatry** 1986 Nov; 149:661–2
Kraepelin and the differential diagnosis of dementia praecox and manic–depressive insanity. Kendler KS.
Compr Psychiatry 1986 Nov–Dec;27(6):549–58
[The history and problems of the concept of schizophrenia] Janzarik W. **Nervenarzt** 1986 Dec;57(12):681–5 (Eng. Abstr.) **(Ger)**
[The recessive inheritance of affective paraphrenia of King Ludwig and King Otto of Bavaria] Leonhard K.
Nervenarzt 1986 Dec;57(12):692–7 **(Ger)**
[Classic texts––newly read. W. Mayer–Gross: "Clinical Aspects of Schizophrenia"]Meyer JE. **Psychiatr Prax** 1987 Jan;14(1):27–8 **(Ger)**

IMMUNOLOGY

Clinical and laboratory evidence of autoimmunity in acute schizophrenia. Ganguli R, et al. **Ann NY Acad Sci** 1987; 496:676–85
Is dopamine related to immunologic changes in schizophrenic patients? Kerepčić I, et al. **Ann NY Acad Sci** 1987;496:737–9
A psychiatrist's view of neuroimmunomodulation. The neuroimmune interaction and mechanisms. Vartanyan ME, et al. **Ann NY Acad Sci** 1987;496:660–8
Decreased production of interleukin–2 in schizophrenia. Villemain F, et al. **Ann NY Acad Sci** 1987;496:669–75
A neuroimmunological challenge: schizophrenia as an autoimmune disease. Kornhuber HH, et al.
Arch Ital Biol 1987 Jul;125(3):271–2
Theophylline–sensitive T–lymphocyte subpopulation in schizophrenic patients. Bessler H, et al. **Biol Psychiatry** 1987 Aug;22(8):1025–8
HLA antigens in schizophrenia: a family study. Chadda R, et al. **Br J Psychiatry** 1986 Nov;149:612–5
Cytotoxic anti–lymphocyte antibody in schizophrenics. Kagami M, et al. **J Neurol** 1987 Jun;234(5):359–60
Herpes simplex virus, cytomegalovirus and Epstein–Barr virus antibody titres in sera from schizophrenic patients. Delisi LE, et al. **Psychol Med** 1986 Nov;16(4):757–63
Personality and immunity: depressive tendencies versus manic and schizophrenic tendencies. Kunzendorf RG, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):622
[Autoimmunity in schizophrenic patients] Huang WS.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1986 Dec; 19(6):332–4 (Eng. Abstr.) **(Chi)**
[Are lymphocytic anomalies in the schizophrenic a reflection of an immune deficit? Bibliographic review] Aboudar M, et al. **Encephale** 1986 Sep–Oct;12(5):269–71 (16 ref.) (Eng. Abstr.) **(Fre)**
[Clinico–immunologic correlations in schizophrenia of various courses (on a B–lymphocyte model)] Potapova VA, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):727–32 (Eng. Abstr.) **(Rus)**
[Features of the B–lymphocyte population of patients with malignant continuously progressive juvenile schizophrenia] Sekirina TP, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):724–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Neuropeptides in the amygdala of controls, schizophrenics and patients suffering from Huntington's chorea: an immunohistochemical study. Zech M, et al.
Acta Neuropathol (Berl) 1986;71(3–4):259–66
Hypofrontality in schizophrenia as assessed by PET [letter] Buchsbaum MS, et al. **Am J Psychiatry** 1987 Jan; 144(1):122–3
Phenomenological correlates of metabolic activity in 18 patients with chronic schizophrenia. Volkow ND, et al.
Am J Psychiatry 1987 Feb;144(2):151–8
Regional brain function in schizophrenia. I. A positron emission tomography study. Gur RE, et al.
Arch Gen Psychiatry 1987 Feb;44(2):119–25
Regional brain function in schizophrenia. II. Repeated evaluation with positron emission tomography. Gur RE, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):126–9
Preliminary evidence of reduced combined output of dopamine and its metabolites in chronic schizophrenia. Karoum F, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):604–7
Central catecholamines, cognitive impairment, and affective state in elderly schizophrenics and controls. Bridge TP, et al. **Biol Psychiatry** 1987 Feb;22(2):139–47
Niacin–induced flush as a measure of prostaglandin activity in alcoholics and schizophrenics. Fiedler P, et al.
Biol Psychiatry 1986 Nov;21(13):1347–50
Decreased serotonin S2 and increased dopamine D2 receptors in chronic schizophrenics. Mita T, et al.
Biol Psychiatry 1986 Dec;21(14):1407–14
Biochemical characteristics of D1 dopamine receptors: relationship to behavior and schizophrenia. Creese I, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:14–6
Plasma levels and urinary vitamin C excretion in schizophrenic patients. Subotičanec K, et al.
Hum Nutr Clin Nutr 1986 Nov;40(6):421–8
Studies in postmortem dopamine uptake. II. Alterations of the synaptosomal catecholamine uptake in postmortem brain regions in schizophrenia. Haberland N, et al.
J Neural Transm 1987;68(3–4):303–13
Brain metabolism in patients with schizophrenia before and after acute neuroleptic administration. Volkow ND, et al.
J Neurol Neurosurg Psychiatry 1986 Oct;49(10):1199–1202
Dopamine receptor asymmetry in schizophrenia [letter] Reynolds GP, et al. **Lancet** 1987 Apr 25;1(8539):979
Dysfunction in a prefrontal substrate of sustained attention in schizophrenia. Cohen RM, et al. **Life Sci** 1987 May 18; 40(20):2031–9
Specific regional differences of in vitro beta–endorphin metabolism in schizophrenics. Davis TP, et al. **Life Sci** 1986 Dec 29;39(26):2601–9
[3H]muscimol binding sites increased in autopsied brains of chronic schizophrenics. Hanada S, et al. **Life Sci** 1987 Jan 19;40(3):259–66
Dopamine receptor subtype imbalance in schizophrenia. Hess EJ, et al. **Life Sci** 1987 Apr 13;40(15):1487–97
Effects of psychotropic drugs on neurotransmitters in man. Potter WZ, et al. **Life Sci** 1987 Aug 17;41(7):817–20
Quantitative determination of D2 dopamine receptor

characteristics in healthy human subjects and psychiatric patients. Sedvall G, et al. **Life Sci** 1987 Aug 17;41(7):813–6

Alteration of dopamine receptors in the caudate nucleus and the putamen in schizophrenic brain. Mjörndal T, et al. **Med Biol** 1986;64(6):351–4

Somatostatin and neuropeptide Y are unaltered in the amygdala in schizophrenia. Beal MF, et al. **Neurochem Pathol** 1987 Jun;6(3):169–76

Effects of six weeks' neuroleptic treatment on the pituitary–thyroid axis in schizophrenic patients. Martinos A, et al. **Neuropsychobiology** 1986;16(2–3):72–7

Uptake of 77Br–spiperone in the striata of schizophrenic patients and controls [letter] Crawley J. **Nucl Med Commun** 1987 Feb;8(2):121

Uptake of 77Br–spiperone in the striata of schizophrenic patients and controls [published erratum appears in Nucl Med Commun 1987 Feb;8(2):121] Crawley JC, et al. **Nucl Med Commun** 1986 Aug;7(8):599–607

Neuropeptides and schizophrenia. Bissette G, et al. **Prog Brain Res** 1986;66:161–74 (79 ref.)

Pituitary proopiomelanocortin peptides in mental disorders. Brambilla F, et al. **Prog Brain Res** 1986;65:193–206

Brain noradrenaline and schizophrenia. Hornykiewicz O. **Prog Brain Res** 1986;65:29–39 (104 ref.)

Effects of amphetamine on local cerebral metabolism in normal and schizophrenic subjects as determined by positron emission tomography. Wolkin A, et al. **Psychopharmacology (Berlin)** 1987;92(2):241–6

Positron emission tomography reveals elevated D2 dopamine receptors in drug–naive schizophrenics [published erratum appears in Science 1987 Feb 6;235(4789):623] Wong DF, et al. **Science** 1986 Dec 19;234(4783):1558–63

[Pathogenesis of schizophrenia: assay of PG and cAMP in the CSF and plasma in 25 cases] Li E. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):81–3 (Eng. Abstr.) **(Chi)**

[Biochemical analysis of the parietal and occipital cortex of post–mortem brains from schizophrenic patients] Toru M, et al. **Seishin Shinkeigaku Zasshi** 1987;89(2):101–12 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Search for viral nucleic acid sequences in the post mortem brains of patients with schizophrenia and individuals who have committed suicide. Carter GI, et al. **J Neurol Neurosurg Psychiatry** 1987 Mar;50(3):247–51

MORTALITY

Suicide and violent death among patients with schizophrenia. Allebeck P, et al. **Acta Psychiatr Scand** 1986 Jul;74(1):43–9

Morbidity and mortality in tardive dyskinesia: associations in chronic schizophrenia. Youssef HA, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):74–7

[Mortality of schizophrenic patients—a study of 170 cases] Gmür M, et al. **Soz Praventivmed** 1986;31(6):294–6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Schizophrenia: lifetime co–morbidity in a community sample. Bland RC, et al. **Acta Psychiatr Scand** 1987 Apr; 75(4):383–91

Why has the incidence of schizophrenia in Danish psychiatric institutions decreased since 1970? Munk–Jørgensen P. **Acta Psychiatr Scand** 1987 Jan;75(1):62–8

Decreasing rates of first–admission diagnoses of schizophrenia among females in Denmark 1970–84. Munk–Jørgensen P, et al. **Acta Psychiatr Scand** 1986 Oct; 74(4):379–83

The prevalence of schizophrenia in a remote area of Botswana. Ben–Tovim DI, et al. **Br J Psychiatry** 1986 May; 148:576–80

Prevalence of schizophrenia in an urban population. Freeman H, et al. **Br J Psychiatry** 1986 Nov;149:603–11

Aspects of the epidemiology of schizophrenia. Hare E. **Br J Psychiatry** 1986 Nov;149:554–61 (55 ref.)

[Various factors affecting the level of detection of schizophrenics] Iursinova M. **Zh Nevropatol Psikhiatr** 1987; 87(1):82–5 (Eng. Abstr.) **(Rus)**

[The epidemiology of schizophrenia] Lehtinen V. **Nord Med** 1987;102(4):112–3, 26 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Differences between schizophrenics and controls in CT–measured radiodensity of samples from the anterior corpus callosum [letter] Coffman JA, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):446

Cortical atrophy and white matter density in the brains of schizophrenics and clinical response to neuroleptics. Smith RC, et al. **Acta Psychiatr Scand** 1987 Jan;75(1):11–9

Hat size in schizophrenia [letter] **Arch Gen Psychiatry** 1987 Jul;44(7):672–6

An analysis of the arrangement of neurons in the cingulate cortex of schizophrenic patients. Benes FM, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):608–16

Increased CSF amino acids and ventricular enlargement in schizophrenia: a preliminary study. Reveley MA, et al. **Biol Psychiatry** 1987 Apr;22(4):413–20

Cell loss in the hippocampus of schizophrenics. Falkai P, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(3):154–61

CT scan and MRI findings in a child with schizophrenia. Woody RC, et al. **J Child Neurol** 1987 Apr;2(2):105–10

The pathophysiology of enlarged ventricles in normal pressure communicating hydrocephalus and schizophrenia: a possible therapeutic role for melatonin. Maurizi CP. **Med Hypotheses** 1987 May;23(1):61–6

Cultured skin fibroblasts in schizophrenia: acute growth and susceptibility to damage. Cohen MR, et al. **Psychiatry Res** 1987 May;21(1):43–7

Selective enlargement of the third ventricle found in chronic schizophrenia. Kanba S, et al. **Psychiatry Res** 1987 May; 21(1):49–53

Clinical, biological, and neuropsychological features associated with lateral ventricular enlargement in DSM–III schizophrenic disorder. Kemali D, et al. **Psychiatry Res** 1987 Jun;21(2):137–49

Magnetic resonance imaging studies of the brains of schizophrenic patients. Smith RC, et al. **Psychiatry Res** 1987 Jan;20(1):33–46

Functional and anatomical brain imaging: impact on schizophrenia research. Buchsbaum MS, et al. **Schizophr Bull** 1987;13(1):115–32

[Brain substance deficit with paralimbic and limbic involvement in computerized tomography studies of schizophrenic patients] Bogerts B, et al. **Nervenarzt** 1987 Feb;58(2):97–106 (Eng. Abstr.) **(Ger)**

[Enlargement of the cerebral ventricles and cognitive efficiency in chronic schizophrenia] Roccatagliata G, et al. **Riv Neurol** 1986 May–Jun;56(3):158–67 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Skin conductance nonresponding and nonhabituation in schizophrenic patients. Bartfai A, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):321–9

Dexamethasone suppression test in severe schizophrenic illness: effects of plasma dexamethasone and caffeine levels. Holsboer–Trachsler E, et al. **Acta Psychiatr Scand** 1987 Jun;75(6):608–13

Swallowing style in adults with schizophrenia [letter] Keith RM. **Am J Psychiatry** 1986 Nov;143(11):1504–5

A model for dysfunctions in smooth pursuit eye movement. Huberman BA. **Ann NY Acad Sci** 1987;504:260–73

Electroencephalographic sleep in young, never–medicated schizophrenics. A comparison with delusional and nondelusional depressives and with healthy controls. Ganguli R, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):36–44

Computer simulations of neural information processing and the schizophrenia–mania dichotomy. Hoffman RE. **Arch Gen Psychiatry** 1987 Feb;44(2):178–88

Computed electroencephalographic activity mapping in schizophrenia. The resting state reconsidered. Karson CN, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):514–7

Schizophrenia as a disorder of cerebral state transition. Wright JJ, et al. **Aust NZ J Psychiatry** 1986 Jun; 20(2):167–78

Neurophysiological assessment of sensory gating in psychiatric inpatients: comparison between schizophrenia and other diagnoses. Baker N, et al. **Biol Psychiatry** 1987 May;22(5):603–17

Asymmetric rotational (circling) behavior, a dopamine–related asymmetry: preliminary findings in unmedicated and never–medicated schizophrenic patients. Bracha HS. **Biol Psychiatry** 1987 Aug;22(8):995–1003

Temperature regulation and dopamine in schizophrenia [letter] Douglass AB, et al. **Biol Psychiatry** 1987 Aug; 22(8):1048–50

Dexamethasone suppression test in schizophrenic patients: report from India. Joseph S, et al. **Biol Psychiatry** 1987 Jun;22(6):792–5

Computed EEG in schizophrenics. Mukundan CR. **Biol Psychiatry** 1986 Oct;21(12):1225–8

Corpus callosum in schizophrenia [letter] Rossi A, et al. **Biol Psychiatry** 1987 Aug;22(8):1043–4

Left hemisphere in schizophrenia [letter] Stevens JR. **Biol Psychiatry** 1986 Oct;21(12):1230–2

Frontal spectral EEG findings in acutely ill schizophrenics. Williamson P, et al. **Biol Psychiatry** 1987 Aug;22(8):1021–4

Relationship of neurological abnormalities in schizophrenics to family psychopathology. Woods BT, et al. **Biol Psychiatry** 1987 Mar;22(3):325–31

The prediction of abnormal evoked potentials in schizophrenic patients by means of symptom pattern. Andrews HB, et al. **Br J Psychiatry** 1986 Jul;149:46–50

The N2 component of the event–related potential in schizophrenic patients. Brecher M, et al. **Electroencephalogr Clin Neurophysiol** 1987 Apr; 66(4):369–75

Neurofunctional assessment of lateralized hemispheric asymmetries in affective illness. Gambini O, et al. **J Affective Disord** 1987 Jan–Feb;12(1):67–71

The search for the psychobiological substrate of childhood onset schizophrenia. Asarnow R, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):601–14

Abnormal P300 responses in schizophrenic children. Erwin RJ, et al. **J Am Acad Child Psychiatry** 1986 Sep; 25(5):615–22

Reversibility of hemodynamic hypofrontality in schizophrenia. Geraud G, et al. **J Cereb Blood Flow Metab** 1987 Feb;7(1):9–12

Interpretation of abnormal responses to the Quality Extinction Test in schizophrenia. Gambini O, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):997–1001

Dexamethasone suppression test and negative symptoms of schizophrenics. Shima S, et al. **Keio J Med** 1986 Jul; 35(3):203–7

Tardive dystonia: which way do schizophrenics twist? [letter] Corbin DO, et al. **Lancet** 1987 Jan 31;1(8527):268–9

Conditional associative learning in drug–free schizophrenic patients. Kemali D, et al. **Neuropsychobiology** 1987; 17(1–2):30–4

Corpus callosum function in schizophrenia: a neuropsychological assessment of interhemispheric information processing. Merriam AE, et al. **Neuropsychologia** 1987;25(1B):185–93

Differential effects of person in the dog and in the human. Astrup CW, et al. **Pavlov J Biol Sci** 1979 Apr–Jun; 14(2):104–7

Can changes in eye–contacts predict therapeutic outcome in schizophrenic patients undergoing neuroleptic treatment? Results of a preliminary study. Meya U, et al. **Pharmacopsychiatry** 1986 Nov;19(6):429–33

Left globus pallidus abnormality in never–medicated patients with schizophrenia. Early TS, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):561–3

Two syndromes in schizophrenia and the viral hypothesis. Crow TJ, et al. **Prog Brain Res** 1986;65:17–27 (74 ref.)

Cholecystokinin and schizophrenia. Nair NP, et al. **Prog Brain Res** 1986;65:237–58 (138 ref.)

Animal and clinical research on neuropeptides and schizophrenia. van Ree JM, et al. **Prog Brain Res** 1987; 72:249–67 (111 ref.)

Left hemispheric overactivation in schizophrenia: relationship to clockwise circling. Marder LR, et al. **Psychiatry Res** 1987 Mar;20(3):215–20

Combined measure of smooth pursuit eye movements and ventricle–brain ratio in schizophrenic disorders. Smeraldi E, et al. **Psychiatry Res** 1987 Aug;21(4):293–301

Tachistoscopic tests of colour naming and matching in schizophrenia: evidence for posterior callosum dysfunction? David AS. **Psychol Med** 1987 Aug; 17(3):621–30

Spontaneous fluctuations of electrical skin conductance and the actual clinical state in schizophrenics. Olbrich R, et al. **Psychopathology** 1987;20(1):18–22

Electrophysiological evidence implicating frontal lobe dysfunction in schizophrenia. Morihisa JM. **Psychopharmacol Bull** 1986;22(3):885–9

The dopamine hypothesis: variations on a theme (II). Wyatt RJ. **Psychopharmacol Bull** 1986;22(3):923–7

Psychobiological markers for schizophrenia: state of the art and future perspectives. Zubin J. **Psychopharmacol Bull** 1986;22(2):543–9

Animal models for schizophrenia: the hippocampally lesioned animal. Schmajuk NA. **Schizophr Bull** 1987;13(2):317–27

Biological issues in schizophrenia [news] Barnes DM. **Science** 1987 Jan 23;235(4787):430–3

[Computerized analysis of spontaneous EEG in schizophrenics] Yang ZJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Apr; 20(2):87–91 (Eng. Abstr.) **(Chi)**

[Endomorphines in schizophrenia] Gilbert JL. **Biomed Pharmacother** 1987;41(1):36–40 (Eng. Abstr.) **(Fre)**

[Brain mechanisms in normal and schizophrenic thinking. A synthesis of theories and data] Koukkou–Lehmann M. **Monogr Gesamtgeb Psychiatr (Berlin)** 1987;47:1–161 **(Ger)**

[Occipitally accented asymmetry in the EEG of schizophrenic patients] Kasper S, et al. **Nervenarzt** 1987 Jun;58(6):369–73 **(Ger)**

[Electroencephalographic research in schizophrenia. Review of the literature on research during wakefulness] Vacca L, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):387–97 (57 ref.) **(Ita)**

[Regional cerebral blood flow in schizophrenics] Uchino J, et al. **Seishin Shinkeigaku Zasshi** 1987;89(1):6–21 **(Jpn)**

[Correlation between the duration of hospitalization and the dynamics of social status in several categories of mental patient] Lăzărescu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1987 Apr–Jun; 32(2):143–8 (Eng. Abstr.) **(Rum)**

[Electric reactive potentials to events with a positive and negative coloring in patients with protracted depression] Kurnitskaia IV, et al. **Zh Nevropatol Psikhiatr** 1987; 87(4):589–96 (Eng. Abstr.) **(Rus)**

[Habituation of auditory evoked potentials and emotional state] Loginov VV, et al. **Zh Vyssh Nerv Deiat** 1987 May–Jun;37(3):414–21 (Eng. Abstr.) **(Rus)**

[Response of thyroid stimulating hormone (TSH) to TSH–releasing hormone (TRH) in chronic schizophrenia] Martínez I, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 Mar–Apr;15(2):82–6 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Prediction of relapse in schizophrenia. Lieberman JA, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):597–603

Low– and conventional–dose maintenance therapy with fluphenazine decanoate. Two–year outcome. Marder SR, et al. **Arch Gen Psychiatry** 1987 Jun;44(6):518–21

Comparative efficacy of long–acting depot and oral neuroleptic medications in preventing schizophrenic recidivism. Babiker IE. **J Clin Psychiatry** 1987 Mar; 48(3):94–7

Do neuroleptics prevent relapse? Clinical observations in a psychosocial rehabilitation program. Easton K, et al. **Psychiatr Q** 1986-87 Spring;58(1):42-50

REHABILITATION

Therapeutic modality comparisons in day treatment. Klyczek JP, et al. **Am J Occup Ther** 1986 Sep;40(9):606-11

The Vermont longitudinal study of persons with severe mental illness, II: Long-term outcome of subjects who retrospectively met DSM-III criteria for schizophrenia. Harding CM, et al. **Am J Psychiatry** 1987 Jun;144(6):727-35

Providing information to relatives about schizophrenia: some comments. Tarrier N, et al. **Br J Psychiatry** 1986 Oct; 149:458-63

Outcome of schizophrenia in Sri Lanka: 10-year follow-up study. Mendis N. **Ceylon Med J** 1986 Sep;31(3):119-34

Life stress and ecological status: predictors of symptoms in schizophrenic veterans. Land HM. **Health Soc Work** 1986 Fall;11(4):254-64

Major mental health issues: schizophrenia, cocaine abuse. Alger I. **Hosp Community Psychiatry** 1986 Sep;37(9):871-2

Providing independent recreational activities to reduce stereotypic vocalizations in chronic schizophrenics. Wong SE, et al. **J Appl Behav Anal** 1987 Spring;20(1):77-81

Systems resistance to the chronic patient. Meyerson AT, et al. **New Dir Ment Health Serv** 1987 Spring;(33):21-33

Hope through research. Torrey EF. **New Dir Ment Health Serv** 1987 Summer;(34):91-9

Speculations on the measurement of recovery from severe psychiatric disorder and the human condition. Harding CM. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):199-204

The practice of psychiatric rehabilitation: historical, conceptual, and research base. Anthony WA, et al. **Schizophr Bull** 1986;12(4):542-59

Thoughts on the treatment of schizophrenia. Carpenter WT Jr. **Schizophr Bull** 1986;12(4):527-39

Prognostic scale for chronic schizophrenia. Fenton WS, et al. **Schizophr Bull** 1987;13(2):277-86

Prospective study of course of illness in schizophrenia: Part II. Prediction of outcome. Gaebel W, et al. **Schizophr Bull** 1987;13(2):299-306

Social learning for chronic mental inpatients. Glynn S, et al. **Schizophr Bull** 1986;12(4):648-68

Expressed emotion: a family perspective. Hatfield AB, et al. **Schizophr Bull** 1987;13(2):221-6

Role of the family in case management of the mentally ill. Intagliata J, et al. **Schizophr Bull** 1986;12(4):699-708

Psychiatric rehabilitation of schizophrenia: editor's introduction. Liberman RP. **Schizophr Bull** 1986; 12(4):540-1

Training skills in the psychiatrically disabled: learning coping and competence. Liberman RP, et al. **Schizophr Bull** 1986; 12(4):631-47

Sex education and rehabilitation with schizophrenic male outpatients. Lukoff D, et al. **Schizophr Bull** 1986; 12(4):669-77

Symptom monitoring in the rehabilitation of schizophrenic patients. Lukoff D, et al. **Schizophr Bull** 1986;12(4):578-602

Expressed emotion: a call for partnership among relatives, patients, and professionals. Mintz LI, et al. **Schizophr Bull** 1987;13(2):227-35

Prospective study of course of illness in schizophrenia: Part I. Outcome at 1 year. Pietzcker A, et al. **Schizophr Bull** 1987;13(2):287-97

Training mental health workers in psychiatric rehabilitation. Rogers ES, et al. **Schizophr Bull** 1986;12(4):709-19

Applications of experimental psychopathology in psychiatric rehabilitation. Spaulding WD, et al. **Schizophr Bull** 1986; 12(4):560-77

Family intervention for the rehabilitation of schizophrenia: toward protection and coping. Strachan AM. **Schizophr Bull** 1986;12(4):678-98

What does rehabilitation accomplish? Strauss JS. **Schizophr Bull** 1986;12(4):720-3

Functional assessment in rehabilitation. Wallace CJ. **Schizophr Bull** 1986;12(4):604-30

[Rehabilitation of chronic schizophrenic patients in long-term communities] Vaitl P, et al. **Nervenarzt** 1987 Feb; 58(2):116-20 (Ger)

["Soteria Bern." Initial experiences with a new milieu therapy for acutely schizophrenic patients] Ciompi L, et al. **Psychiatr Prax** 1986 Sep;13(5):172-6 (Eng. Abstr.) (Ger)

[How can we better help the relatives of schizophrenic patients?] Rave-Schwank M, et al. **Psychiatr Prax** 1986 Sep;13(5):166-71 (Eng. Abstr.) (Ger)

[Experiences with an integrated psychological therapy program for training communication and cognitive abilities in the rehabilitation of severely ill chronic schizophrenic patients] Roder V, et al. **Schweiz Arch Neurol Psychiatr** 1987;138(1):31-44 (Eng. Abstr.) (Ger)

[Change in the duration of hospitalization and hospitalization incidence of schizophrenic patients—an assessment of an older and younger generation of patients treated at social psychiatry departments] Gmür M. **Soz Praventivmed** 1987; 32(3):137-9 (Eng. Abstr.) (Ger)

[Incidence of broken homes in schizophrenic patients. A study of 239 patients treated at a social psychiatric department] Gmür M, et al. **Soz Praventivmed** 1987; 32(3):157-60 (Eng. Abstr.) (Ger)

[Criteria of the rehabilitation process in long-term chronic schizophrenic patients] Hunziker R. **Soz Praventivmed** 1987;32(3):144-50 (Eng. Abstr.) (Ger)

[Relational meanings in the rehabilitation of schizophrenic patients] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul-Sep;90(3):449-53 (Eng. Abstr.) (Rum)

[Prognostic value of the motivational characteristics of schizophrenic patients] Krasik ED, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):66-71 (Eng. Abstr.) (Rus)

[Social-vocational readaptation of patients after a manifest episode of schizophrenia] Kuligin IV. **Zh Nevropatol Psikhiatr** 1986;86(8):1191-6 (Eng. Abstr.) (Rus)

[Dynamics of remissions and readaptation of patients with paroxysmal schizophrenia (according to the results of a clinico-follow-up study)] Kuligin IV. **Zh Nevropatol Psikhiatr** 1987;87(1):77-82 (Eng. Abstr.) (Rus)

[The role of the self-consciousness of schizophrenic patients in the socio-vocational readaptation] Nosenko NF. **Zh Nevropatol Psikhiatr** 1987;87(1):90-4 (Eng. Abstr.) (Rus)

THERAPY

Endodermal-auto-hemo-therapy in the treatment of schizophrenia. An uncontrolled-open clinical investigation. Pelliccioli V, et al. **Acta Neurol (Napoli)** 1987 Jun; 9(3):224-9

Significant rise in plasma insulin after electroconvulsive therapy. Berrios GE, et al. **Acta Psychiatr Scand** 1986 Aug; 74(2):222-4

Psychosocial outcome in schizophrenia and psychotherapeutic orientation. Salokangas RK. **Acta Psychiatr Scand** 1986 Nov;74(5):497-506

Hemodialysis in schizophrenia [letter] **Am J Psychiatry** 1987 Jun;144(6):830

A controlled study of transitional day care for non-chronically-ill patients. Glick ID, et al. **Am J Psychiatry** 1986 Dec;143(12):1551-6

Psychotherapy in the treatment of schizophrenic patients [letter] Morrison NK. **Am J Psychiatry** 1986 Nov; 143(11):1489-90

Expressed emotion [letter] Stitelman M. **Am J Psychiatry** 1987 Aug;144(8):1111-2

Future of the chronic schizophrenic patient: prediction and recommendations. Gralnick A. **Am J Psychother** 1986 Jul; 40(3):419-29

Establishing therapeutic contact with schizophrenics: a supervisory approach. Huszonek JJ. **Am J Psychother** 1987 Apr;41(2):185-93

Benefits and limitations of neuroleptics—and other forms of treatment—in schizophrenia. Marder SR, et al. **Am J Psychother** 1986 Jul;40(3):357-69 (32 ref.)

Conceptual trends and issues in the psychotherapy of schizophrenia. Munich RL. **Am J Psychother** 1987 Jan; 41(1):23-37

General practice management of stabilised schizophrenics. Ballard R. **Aust Fam Physician** 1986 Dec;15(12):1616-7, 1621

Changing trends in first admissions and readmissions for mania and schizophrenia in New Zealand, 1974 to 1984. Joyce PR. **Aust NZ J Psychiatry** 1987 Mar;21(1):82-6

Deficits of chronic schizophrenia in relation to long term hospitalization [letter] Abrahamson D. **Br J Psychiatry** 1986 Sep;149:382

A survey of practising psychiatrists' views on the treatment of schizophrenia. Andrews S, et al. **Br J Psychiatry** 1986 Sep;149:357-64

Comparative study of schizophrenia treatment with electroacupuncture, herbs and chlorpromazine. Zhang LD, et al. **Chin Med J [Engl]** 1987 Feb;100(2):152-7

A comprehensive treatment program for schizophrenia and chronic mental illness. Bellack AS, et al. **Community Ment Health J** 1986 Fall;22(3):175-89

Therapeutic role of a psychiatric intensive care unit in acute psychosis. Khan A, et al. **Compr Psychiatry** 1987 May-Jun; 28(3):264-9

Four conceptualizations of schizophrenia as models for treatment. Davis S. **Health Soc Work** 1987 Spring; 12(2):91-100

Inpatient psychosocial treatment of chronic schizophrenia: negative effects and current guidelines. Drake RE, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):897-901

Using family psychoeducation when there is no family. Drake RE, et al. **Hosp Community Psychiatry** 1987 Mar; 38(3):274-7

The treatment of schizophrenia: a patient's perspective. Leete E. **Hosp Community Psychiatry** 1987 May;38(5):486-91

Insight and injury [letter] Moffic HS. **Hosp Community Psychiatry** 1987 Mar;38(3):305-6

Schizophrenia research heads NIMH priorities. Sargent M. **Hosp Community Psychiatry** 1987 Feb;38(2):135-6

Synergistic armamentarium for schizophrenia treatment. Bauer W. **IMJ** 1987 Aug;172(2):103-6

Group therapy with schizophrenics: a review of controlled studies. Kanas N. **Int J Group Psychother** 1986 Jul; 36(3):339-60

Therapy group with schizophrenics: response to Dr. Parloff. Kanas N. **Int J Group Psychother** 1986 Oct;36(4):597-601

Predicting outcome in schizophrenics and nonschizophrenics of both sexes: the Zigler-Phillips Social Competence Scale. Westermeyer JF, et al. **J Abnorm Psychol** 1986 Nov; 95(4):406-9

Psychotherapy with schizophrenic children. Cantor S, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):623-30

Working with adolescents in intensive psychotherapy. Toolan JM. **J Am Acad Psychoanal** 1987 Jul;15(3):303-20

Expressed emotion and schizophrenic outcome among Mexican-American families. Karno M, et al. **J Nerv Ment Dis** 1987 Mar;175(3):143-51

Therapeutic effect of He-Ne laser irradiation of point erman in schizophrenic auditory hallucination--a clinical assessment. Liu ZZ, et al. **J Tradit Chin Med** 1986 Dec; 6(4):253-6

An analysis of the therapeutic effect of acupuncture treatment in 500 cases of schizophrenia. Shi ZX, et al. **J Tradit Chin Med** 1986 Jun;6(2):99-104

A contribution to rehospitalization of schizophrenics. Kimura S, et al. **Jpn J Psychiatry Neurol** 1986 Mar;40(1):25-33

Towards need-specific treatment of schizophrenic psychoses. Alanen YO, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 1986;41:1-295

Schizophrenia in primary care. Hancock L. **Nurse Pract** 1987 Jan;12(1):8-10, 15-9, 22

A study of alternating leadership for group psychotherapy in an aftercare clinic. Levin D, et al. **Perspect Psychiatr Care** 1985;23(1):33-8

Some research relating to the treatment of Bleuler's disease (schizophrenia). May PR. **Psychiatr J Univ Ottawa** 1986 Sep;11(3):117-26 (75 ref.)

Psychoeducational family therapy for schizophrenia: a review essay. Steinglass P. **Psychiatry** 1987 Feb;50(1):14-23

Family management in the prevention of morbidity of schizophrenia: social outcome of a two-year longitudinal study. Falloon IR, et al. **Psychol Med** 1987 Feb;17(1):59-66

Interpersonal and pharmacologic treatment in schizophrenia: a comparative study of new approaches. Carpenter WT Jr, et al. **Psychopharmacol Bull** 1986;22(3):854-9

The combined use of neuroleptics and ECT in drug resistant schizophrenic patients. Friedel RO. **Psychopharmacol Bull** 1986;22(3):928-30

Family psychoeducation, social skills training, and medication in schizophrenia: the long and short of it. Hogarty GE, et al. **Psychopharmacol Bull** 1987;23(1):12-3

Medication, family psychoeducation, and social skills training: first year relapse results of a controlled study. Hogarty GE, et al. **Psychopharmacol Bull** 1986;22(3):860-2

Toward an integrated approach to the treatment of schizophrenia. Herz MI. **Psychother Psychosom** 1986; 46(1-2):45-57

Semantic barriers to family and professional collaboration. Hatfield AB. **Schizophr Bull** 1986;12(3):325-36

[Comparison of the therapeutic effects between haloperidol and insulin coma in schizophrenia and optimal blood levels of haloperidol] Shu L. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1987 Feb; 20(1):43-8 (Eng. Abstr.) (Chi)

[Management of family members of schizophrenic patients] van Meer CR. **Ned Tijdschr Geneeskd** 1987 Jul 4; 131(27):1156-8 (Dut)

[Needs and utilization of mental health services in schizophrenia] Cormier HJ, et al. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):388-93 (Eng. Abstr.) (Fre)

[Wet pack treatment in schizophrenic crisis] Bovier P, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(6):145-8 (Fre)

[Psychotherapy in schizophrenia—theory and practice of individual treatment. A review] Krull F. **Fortschr Neurol Psychiatr** 1987 Feb;55(2):54-67 (Eng. Abstr.) (Ger)

[Cognitive therapy of schizophrenic patients: problem analysis and empirical results] Brenner HD, et al. **Nervenarzt** 1987 Feb;58(2):72-83 (Ger)

[Cognitive training of schizophrenic patients. Description of the training and results of a controlled therapeutic study] Hermanutz M, et al. **Nervenarzt** 1987 Feb;58(2):91-6 (Ger)

[Cognitive therapy of schizophrenic patients managed by standard means] Kraemer S, et al. **Nervenarzt** 1987 Feb; 58(2):84-90 (Ger)

[The internal structure and therapeutic self-concept of social psychiatric services] Machleidt W. **Off Gesundheitswes** 1986 Sep;48(9):525-31 (Eng. Abstr.) (Ger)

[Experiences with intended dynamic group psychotherapy in the complex therapy of schizophrenic patients] Ehle G. **Psychiatr Neurol Med Psychol (Leipz)** 1987 Feb;39(2):89-97 (Eng. Abstr.) (Ger)

[Therapeutic family counseling of schizophrenic patients: rational aspects, concept and practical guidelines] Buchkremer G, et al. **Psychiatr Prax** 1987 May;14(3):73-7 (Eng. Abstr.) (Ger)

[Is Chestnut Lodge salt in the wound of psychoanalytic contributions to the treatment of schizophrenia?] Müller H. **Psychiatr Prax** 1987 Jan;14(1):22-6 (Eng. Abstr.) (Ger)

[Vacation for schizophrenic patients from inpatient treatment—stress for relatives] Sennekamp W, et al. **Psychiatr Prax** 1987 May;14(3):84-7 (Eng. Abstr.) (Ger)

[Treatment terminations and transfers of schizophrenic patients in inpatient treatment with psychotherapeutic emphasis. A systematic study] Teusch L. **Psychiatr Prax** 1986 Sep;13(5):177-84 (Eng. Abstr.) (Ger)

[The body in psychiatric and psychotherapeutic treatment. Theoretical and applied studies—a review] Maurer Y.

Schweiz Arch Neurol Psychiatr 1987;138(3):49–60 (Eng. Abstr.) **(Ger)**

[The therapeutic community and schizophrenia] Llanes AS. **Minerva Psichiatr** 1986 Oct–Dec;27(4):319–28 (30 ref.) (Eng. Abstr.) **(Ita)**

[On the therapeutic effect of the group home for schizophrenics] Inamura S. **Seishin Shinkeigaku Zasshi** 1987;89(3):163–81 **(Jpn)**

[Systems-oriented family therapy for families with schizophrenia-spectrum patients] Kuniya N, et al. **Seishin Shinkeigaku Zasshi** 1987;89(2):113–43 (Eng. Abstr.) **(Jpn)**

[Therapeutic aspects of "silence" between therapists and schizophrenics—phenomenological psychotherapy] Matsuo T. **Seishin Shinkeigaku Zasshi** 1986;88(8):509–38 (Eng. Abstr.) **(Jpn)**

[Psychoeducational approach to families of patients with schizophrenia] Barbaro B, et al. **Przegl Lek** 1986; 43(7):496–9 **(Pol)**

[A model of the approach to families with schizophrenia. Personal experiences] Barbaro B, et al. **Przegl Lek** 1986; 43(7):500–3 **(Pol)**

[Rehospitalization in schizophrenia unrelated to the disease] Krupka-Matuszczyk I, et al. **Przegl Lek** 1986;43(12):753–5 (Eng. Abstr.) **(Pol)**

[Expressed emotions (EE) as the basic prognostic indicator in schizophrenia. Review of studies] Barbaro B, et al. **Psychiatr Pol** 1986 Mar–Apr;20(2):119–26 (34 ref.) **(Pol)**

[Treatment of patients with schizophrenia before their hospitalization 1917–1968] Gerard K. **Psychiatr Pol** 1987 Jan–Feb;21(1):45–50 (Eng. Abstr.) **(Pol)**

[Effect of organizational changes in psychiatric hospitals on the fate of long-stay patients] Stańczak T. **Psychiatr Pol** 1986 May–Jun;20(3):196–201 (Eng. Abstr.) **(Pol)**

[Acupuncture in the treatment of patients with endogenous depression] Poliakov SE. **Zh Nevropatol Psikhiatr** 1987; 87(4):604–8 (Eng. Abstr.) **(Rus)**

URINE

Urinary 3-methoxy-4-hydroxyphenylglycol in affective and schizophrenic patients. Behavior and symptom correlates. Mueser KT, et al. **Neuropsychobiology** 1986;15(2):57–61

SCHIZOPHRENIA, BORDERLINE see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIA, CATATONIC

DIAGNOSIS

Catatonic schizophrenia and negative symptoms [letter] Kanofsky JD, et al. **Can J Psychiatry** 1987 Mar;32(2):162

DRUG THERAPY

Catatonia relieved by oral diazepam in a patient with a pituitary microadenoma. Sheline YI, et al. **Psychosomatics** 1986 Dec;27(12):860–2

SCHIZOPHRENIA, CHILDHOOD

DIAGNOSIS

[Clinico-psychological examination of children with protracted hypomanic conditions in schizophrenia] Alelnikova SM, et al. **Zh Nevropatol Psikhiatr** 1986; 86(10):1551–5 (Eng. Abstr.) **(Rus)**

[Pseudoneurologic symptoms of latent depression in children with schizophrenia] Mamtseva VN. **Zh Nevropatol Psikhiatr** 1986;86(10):1544–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Neuropsychological disintegration in the early ontogenesis of children from a group at high-risk of developing endogenous mental diseases] Kozlovskaia GV, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1534–8 (Eng. Abstr.) **(Rus)**

OCCURRENCE

A North Dakota prevalence study of schizophrenia presenting in childhood. Burd L, et al. **J Am Acad Child Adolesc Psychiatry** 1987 May; 26(3):347–50

PREVENTION & CONTROL

[Possibilities of preventing childhood schizophrenia] Vrono MSh. **Zh Nevropatol Psikhiatr** 1986;86(10):1514–7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Patterns of symbolic expression in subgroups of the childhood psychoses. Atlas JA, et al. **J Clin Psychol** 1987 Mar; 43(2):177–88

[Follow-up of patients with a history of early childhood schizophrenia (its unfavorable variant)] Bashina VM. **Zh Nevropatol Psikhiatr** 1986;86(10):1522–7 (Eng. Abstr.) **(Rus)**

SCHIZOPHRENIA, DISORGANIZED

DRUG THERAPY

Articular ossification after malignant neurolepsis. A case of schizophrenia treated with phenothiazines. Peylan J, et al. **Acta Orthop Scand** 1987 Jun;58(3):284–6

ETIOLOGY

HIV and schizophrenia [letter] Thomas CS. **Lancet** 1987 Jul 11;2(8550):101

SCHIZOPHRENIA, HEBEPHRENIC see **SCHIZOPHRENIA, DISORGANIZED**

SCHIZOPHRENIA, LATENT see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIA, PARANOID

BLOOD

Reduced platelet phenylalanine hydroxylating activity in a subgroup of untreated schizophrenics. Uebelhack R, et al. **Biochem Med Metab Biol** 1987 Jun;37(3):357–9

COMPLICATIONS

Marfan's syndrome and schizophrenia: a case report [letter] Romano J, et al. **Arch Gen Psychiatry** 1987 Feb;44(2):190–2

Temporal lobe epilepsy with schizophrenia. Hejazi M. **South Med J** 1987 Aug;80(8):1043–5

[Dermatologic pathology and psychiatric monitoring. Description of a case] Vender S, et al. **Recenti Prog Med** 1986 Dec;77(12):565–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Seasons of birth and subtypes of schizophrenia. Hsieh HH, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):373–6

Hyponatremia-induced organic mental disorder may mask paranoid schizophrenia. Fleischhacker WW, et al. **Biol Psychiatry** 1987 May;22(5):650–2

Two misdiagnoses of disturbed ex-soldier. Gold DD Jr. **Hosp Pract [Off]** 1987 Mar 15;22(3):241, 245–6

[Diagnostic judgments (experimental-comparative study)] Grzywa A, et al. **Psychiatr Pol** 1986 Mar–Apr;20(2):112–8 (Eng. Abstr.) **(Pol)**

[Evaluation of successive psychotic crises in paranoid schizophrenia based on selected clinical scales] Perzyński J. **Psychiatr Pol** 1986 Nov–Dec;20(6):461–4 (Eng. Abstr.) **(Pol)**

[Various features of the development of the hallucinatory-paranoid syndrome in the clinical picture of paranoid schizophrenia] Alimkhanov ZhA. **Zh Nevropatol Psikhiatr** 1987;87(5):720–4 (Eng. Abstr.) **(Rus)**

[Unusual hallucinatory forms of paranoid disorders in late schizophrenia] Kontsevoĭ VA, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1388–93 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Priapism complicates pharmacological treatment of severe psychosis. Velek M, et al. **Ala Med** 1987 Mar;56(9):41–2, 47

A case of resistant schizophrenia. Roberts JE, et al. **Br J Psychiatry** 1986 Dec;149:789–93

[A case of malignant neuroleptic syndrome with rhabdomyolysis and a therapeutic trial using physostigmine] Krull F, et al. **Fortschr Neurol Psychiatr** 1986 Dec;54(12):398–401 (Eng. Abstr.) **(Ger)**

[The serum perphenazine level in patients with schizophrenia and the results of treatment] Nurowska K, et al. **Psychiatr Pol** 1987 Jan–Feb;21(1):20–5 (Eng. Abstr.) **(Pol)**

[Serum thioridazine level and its antipsychotic effect measured by a general scale of psychopathology evaluation in patients with schizophrenia] Sidorowicz S, et al. **Psychiatr Pol** 1986 Mar–Apr;20(2):96–101 (Eng. Abstr.) **(Pol)**

[Semap treatment of paranoid schizophrenics] Likhobabenko IuM. **Vrach Delo** 1986 Aug;(8):108–10 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[A case of paranoid syndrome in a patient with intracranial tumor] Banaś A. **Psychiatr Pol** 1986 Jul–Aug;20(4):314–7 **(Pol)**

FAMILIAL & GENETIC

An XX male with schizophrenia: a case of personality development and illness similar to that in XXY males. Müller N, et al. **J Clin Psychiatry** 1987 Sep;48(9):379–80

IMMUNOLOGY

Reduced suppressor cell function in psychiatric patients. Müller N, et al. **Ann NY Acad Sci** 1987;496:686–90

PATHOLOGY

[Ultrastructure of neurons with initial signs of ischemization in schizophrenia] Kleshchinov VN, et al. **Zh Nevropatol Psikhiatr** 1986;86(7):1037–41 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Ethological study of facial behavior in nonparanoid and paranoid schizophrenic patients. Pitman RK, et al. **Am J Psychiatry** 1987 Jan;144(1):99–102

Defensive projection and paranoid delusions. Heilbrun AB Jr, et al. **J Psychiatr Res** 1986;20(3):161–73

[Perception of classical music in paranoid schizophrenia and psychogenic depression] Jakubik AM. **Psychiatr Pol** 1986 May–Jun;20(3):202–7 (Eng. Abstr.) **(Pol)**

[Reactivation of the schizophrenic state caused by pseudo-AIDS or fear of AIDS (letter)] Cordás TA. **Rev Paul Med** 1986 Mar–Apr;104(2):111 **(Por)**

THERAPY

A schizophrenic woman in a high expressed emotion family. Frances A, et al. **Hosp Community Psychiatry** 1987 Jul; 38(7):707–8, 717

[Preliminary evaluation of the effectiveness of short-term group psychotherapy in the combined treatment of paranoid schizophrenia] Jakubik A, et al. **Psychiatr Pol** 1986 May–Jun;20(3):208–14 (Eng. Abstr.) **(Pol)**

[Value of psychotherapeutic procedures in the complex treatment of patients with paranoid symptoms: an empirical evaluation] Wciórka J, et al. **Psychiatr Pol** 1987 Jan–Feb; 21(1):32–8 (Eng. Abstr.) **(Pol)**

SCHIZOPHRENIA, PSEUDONEUROTIC see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIC DISORDERS see **SCHIZOPHRENIA**

SCHIZOPHRENIC LANGUAGE

Providing independent recreational activities to reduce stereotypic vocalizations in chronic schizophrenics. Wong SE, et al. **J Appl Behav Anal** 1987 Spring;20(1):77–81

Thought, language, and communication in schizophrenia: diagnosis and prognosis. Andreasen NC, et al. **Schizophr Bull** 1986;12(3):348–59

Quality of thought disorder in differential diagnosis. Holzman PS, et al. **Schizophr Bull** 1986;12(3):360–71

[Some linguistic aspects of thought disorder in non-acute schizophrenia.] Schonauer K, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(3):179–86 (Eng. Abstr.) **(Ger)**

[Has the cataphasic form of schizophrenia increased in modern times?] Leonhard K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):443–9 (Eng. Abstr.) **(Ger)**

SCHIZOPHRENIC PSYCHOLOGY

On autoprotective efforts of schizophrenics, neurotics and controls. Brenner HD, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):405–14

Trihexyphenidyl abuse: therapeutic implications for negative symptoms of schizophrenia? Fisch RZ. **Acta Psychiatr Scand** 1987 Jan;75(1):91–4

Positive and negative subtypes of schizophrenia. A study from India. Kulhara P, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):353–9

The etiology of schizophrenia: a replication test of the social selection vs. the social causation hypotheses. Levav I, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):183–9

Affective impairment in young acute schizophrenics: its structure, course and prognostic significance. Lindenmayer JP, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):287–96

Neuropsychological test performance, brain morphological measures and CSF monoamine metabolites in schizophrenic patients. Nyman H, et al. **Acta Psychiatr Scand** 1986 Sep; 74(3):292–301

Treatment resistant chronic psychopathology and CT scans in schizophrenia. Ota T, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):415–27

A matched-paired comparison of treated versus untreated schizophrenia spectrum cases. A high-risk population study. Parnas J, et al. **Acta Psychiatr Scand** 1987 Jan; 75(1):44–50

Continuity of formal thought disorder from childhood to adulthood in a high-risk sample. Parnas J, et al. **Acta Psychiatr Scand** 1986 Sep;74(3):246–51

Schizophrenic patients and their parents. A multimethod design and the findings from an illustrative empirical study of cognitive disorders and communication deviances. Rund BR, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):396–408

Schneiderian first rank symptoms: reconfirmation of high specificity for schizophrenia. Tandon R, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):392–6

When schizophrenia complicates medical care. Dickson LR, et al. **Am Fam Physician** 1987 Mar;35(3):153–9

Beta-adrenergic blockers for aggressive behavior in schizophrenia [letter] **Am J Psychiatry** 1987 Apr; 144(4):538–9

Auditory hallucinations and subvocal speech in schizophrenic patients. Bick PA, et al. **Am J Psychiatry** 1987 Feb;

144(2):222–5
L–dopa challenge and relapse in schizophrenia. Davidson M, et al. **Am J Psychiatry** 1987 Jul;144(7):934–8
Aprosodia in eight schizophrenic patients. Fricchione G, et al. **Am J Psychiatry** 1986 Nov;143(11):1457–9
The changing presentation of catatonia [letter] Kay SR, et al. **Am J Psychiatry** 1987 Jun;144(6):834–5
Characteristics of very poor outcome schizophrenia. Keefe RS, et al. **Am J Psychiatry** 1987 Jul;144(7):889–95
First–rank symptoms as a diagnostic clue to multiple personality disorder. Kluft RP. **Am J Psychiatry** 1987 Mar; 144(3):293–8
Ethological study of facial behavior in nonparanoid and paranoid schizophrenic patients. Pitman RK, et al. **Am J Psychiatry** 1987 Jan;144(1):99–102
Obsessive–compulsive symptoms in schizophrenia [letter] Schwartz MA. **Am J Psychiatry** 1986 Oct;143(10):1323–4
Lateral ventricular size and social network differentiation in young, nonchronic schizophrenic patients. Seidman LJ, et al. **Am J Psychiatry** 1987 Apr;144(4):512–4
Expressed emotion [letter] Stitelman M. **Am J Psychiatry** 1987 Aug;144(8):1111–2
Phenomenological correlates of metabolic activity in 18 patients with chronic schizophrenia. Volkow ND, et al. **Am J Psychiatry** 1987 Feb;144(2):151–8
Establishing therapeutic contact with schizophrenics: a supervisory approach. Huszonek JJ. **Am J Psychother** 1987 Apr;41(2):185–93
Suicide in schizophrenia. Johns CA, et al. **Ann NY Acad Sci** 1986;487:294–300
Prediction of relapse in schizophrenia. Lieberman JA, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):597–603
Schizophrenic thought disorder at follow–up. A persistent or episodic course? Marengo JT, et al. **Arch Gen Psychiatry** 1987 Jul;44(7):651–9
Comparative studies of thought disorders. I. Mania and schizophrenia. Solovay MR, et al. **Arch Gen Psychiatry** 1987 Jan;44(1):13–20
Schizophrenia: an information processing model. Carr V, et al. **Aust NZ J Psychiatry** 1986 Jun;20(2):136–55
Speculation on schizophrenia [letter] McLaren N. **Aust NZ J Psychiatry** 1986 Dec;20(4):500–1
Parenting and schizophrenia: an Australian study of expressed emotion. Parker G, et al. **Aust NZ J Psychiatry** 1987 Mar; 21(1):60–6
Self–induced water intoxication [letter] Whiteford HA. **Aust NZ J Psychiatry** 1987 Mar;21(1):113–4
Overcorrection of aggressive behavior in a chronic psychiatric patient. Matson JL, et al. **Behav Modif** 1977 Oct;1(4):559–64
Performance of chronic schizophrenics on matched word and design recall tasks. Calev A, et al. **Biol Psychiatry** 1987 Jun;22(6):699–709
Remote and recent memory in long–hospitalized chronic schizophrenics. Calev A, et al. **Biol Psychiatry** 1987 Jan; 22(1):79–85
Olfactory sensitivity to androstenone in schizophrenic patients. Isseroff RG, et al. **Biol Psychiatry** 1987 Jul; 22(7):922–5
Event–related EEG field changes in aroused subjects and schizophrenic patients. Lifshitz K, et al. **Biol Psychiatry** 1987 Apr;22(4):440–52
Disordered spatiotemporal processing in schizophrenics. Schwartz BD, et al. **Biol Psychiatry** 1987 Jun;22(6):688–98
Schizophrenia: a failure to control the contents of consciousness? Bullen JG, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):25–33
Attentional resources and hemispheric functional asymmetry in schizophrenia. George L, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):35–45
An investigation of residual psychotic symptoms in discharged schizophrenic patients. Tarrier N. **Br J Clin Psychol** 1987 May;26 (Pt 2):141–3
Depression, hopelessness and suicide in chronic schizophrenia. Drake RE, et al. **Br J Psychiatry** 1986 May; 148:554–9
Smoking in chronic schizophrenia [letter] Gopalaswamy AK, et al. **Br J Psychiatry** 1986 Oct;149:523
Unilateral auditory occlusions and auditory hallucinations [letter] Levick SE, et al. **Br J Psychiatry** 1986 Jun; 148:747–8
Unpredictability as a correlate of expressed emotion in the relatives of schizophrenics. MacCarthy B, et al. **Br J Psychiatry** 1986 Jun;148:727–31
Expressed emotion and relapse in schizophrenia [letter] MacMillan JF, et al. **Br J Psychiatry** 1986 Jun;148:741–4
Deficits of chronic schizophrenia in relation to long–term hospitalization. Mathai PJ, et al. **Br J Psychiatry** 1986 May; 148:509–16
Emotional attitudes and direct communication in the families of schizophrenics: a cross–national replication. Strachan AM, et al. **Br J Psychiatry** 1986 Sep;149:279–87
Autocastration and biblical delusions in schizophrenia. Waugh AC. **Br J Psychiatry** 1986 Nov;149:656–8
A case of radical facial self–mutilation. An unprecedented event and its impact. Scheftel S, et al. **Bull Menninger Clin** 1986 Nov;50(6):525–40
Criminal behaviour among schizophrenics. Chuang HT, et al. **Can J Psychiatry** 1987 May;32(4):255–8
Suicidal behavior in chronic schizophrenic patients: a follow–up study. Roy A, et al. **Can J Psychiatry** 1986 Nov; 31(8):737–40
Replacement of chronically administered anticholinergic drugs by amantadine in outpatient management of chronic schizophrenia. McEvoy JP, et al. **Clin Ther** 1987; 9(4):429–33
Premorbid personality of depressive, bipolar, and schizophrenic patients with special reference to suicidal issues. Angst J, et al. **Compr Psychiatry** 1986 Nov–Dec; 27(6):511–32
A study of negative symptoms in schizophrenia and depression. Kulhara P, et al. **Compr Psychiatry** 1987 May–Jun;28(3):229–35
Symptoms of schizophrenia in Hispanic and Anglo veterans. Escobar JI, et al. **Cult Med Psychiatry** 1986 Sep; 10(3):259–76
Comparative studies on recognition of faces, mimic and gestures in adolescent and middle–aged schizophrenic patients. Berndl K, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(2):123–30
Prediction of outcome and utilization of medical services in a prospective study of first onset schizophrenics. Results of a prospective 5–year follow–up study. Biehl H, et al. **Eur Arch Psychiatry Neurol Sci** 1986;236(3):139–47
Choice reaction time performance in hospitalized schizophrenic patients and depressed patients. Williams RM, et al. **Eur Arch Psychiatry Neurol Sci** 1986; 236(3):169–73
Social competence and family environment: 15–year follow–up of disturbed adolescents. Albers LJ, et al. **Fam Process** 1986 Sep;25(3):379–89
Four conceptualizations of schizophrenia as models for treatment. Davis S. **Health Soc Work** 1987 Spring; 12(2):91–100
Using family psychoeducation when there is no family. Drake RE, et al. **Hosp Community Psychiatry** 1987 Mar; 38(3):274–7
Chronicity in schizophrenia: fact, partial fact, or artifact? Harding CM, et al. **Hosp Community Psychiatry** 1987 May; 38(5):477–86 (117 ref.)
Use of symptoms by schizophrenics to monitor and regulate their illness. McCandless–Glimcher L, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):929–33
Insight and injury [letter] Moffic HS. **Hosp Community Psychiatry** 1987 Mar;38(3):305–6
Leaving no stone unturned. Kassirer JP, et al. **Hosp Pract [Off]** 1987 Jan 15;22(1):18–21, 25
The effects of a 50% reduction of cis(z)–flupenthixol decanoate in chronic schizophrenic patients maintained on a high dose regime. Cookson IB. **Int Clin Psychopharmacol** 1987 Apr;2(2):141–9
Symptom differences between urban and rural schizophrenics in Turkey. Chu CC, et al. **Int J Soc Psychiatry** 1986 Autumn;32(3):65–71
Family typology and family interaction in psychiatric disorders. Gautam S, et al. **Int J Soc Psychiatry** 1986 Winter;32(4):27–31
The social identity of the chronic schizophrenic. Hooks PC, et al. **Int J Soc Psychiatry** 1986 Winter;32(4):48–57
Characteristics of American and Japanese schizophrenic patients elicited by the Rorschach technique and demographic data. Suzuki A, et al. **Int J Soc Psychiatry** 1987 Spring;33(1):50–5
Archetypes of apocalypse. In dreams and fantasies, and in religious scripture. Ostow M. **Isr J Psychiatry Relat Sci** 1986;23(2):107–22
A comparison of cognitive/neuropsychological impairments of nonretarded autistic and schizophrenic children. Schneider SG, et al. **J Abnorm Child Psychol** 1987 Mar; 15(1):29–45
Predicting outcome in schizophrenics and nonschizophrenics of both sexes: the Zigler–Phillips Social Competence Scale. Westermeyer JF, et al. **J Abnorm Psychol** 1986 Nov; 95(4):406–9
Autonomic nervous system activity in autistic, schizophrenic, and normal men: effects of stimulus significance. Zahn TP, et al. **J Abnorm Psychol** 1987 May;96(2):135–44
Dysfunctional attitudes and attribution style in healthy controls and patients with schizophrenia, psychotic depression, and nonpsychotic depression. Zimmerman M, et al. **J Abnorm Psychol** 1986 Nov;95(4):403–5
Beliefs, feelings and insight of patients with schizophrenia about taking medication. Davidhizar RE. **J Adv Nurs** 1987 Mar;12(2):177–82
Antecedents of an acute schizophrenic break. Fish B. **J Am Acad Child Psychiatry** 1986 Sep;25(5):595–600
Schizophrenia in children. Introduction. Tanguay PE, et al. **J Am Acad Child Psychiatry** 1986 Sep;25(5):591–4
Patterns of intellectual functioning in non–retarded autistic and schizophrenic children. Asarnow RF, et al. **J Child Psychol Psychiatry** 1987 Mar;28(2):273–80
Predicting outcome of neuroleptic treatment on the basis of subjective response and early clinical improvement. Bartkó G, et al. **J Clin Psychiatry** 1987 Sep;48(9):363–5
Schizophrenic thinking and neuroleptic dosage. Puente AE, et al. **J Clin Psychol** 1987 Mar;43(2):189–97
Performance asymptotes in schizophrenia: a further test of the Broen–Storms theory. Watson CG, et al. **J Clin Psychol** 1987 May;43(3):303–9
The effect of neuroleptics and other psychotropic drugs on negative symptoms in schizophrenia. Meltzer HY, et al. **J Clin Psychopharmacol** 1986 Dec;6(6):329–38
The cognitive orientation of expressive communicability in schizophrenics and normals. Kreitler S, et al. **J Commun Disord** 1987 Feb;20(1):73–91
Premorbid competence, role orientation, and gender differences in DSM–II versus DSM–III schizophrenic patients. Glick M, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):609–11
Security of attachment in infants with schizophrenic, depressed, and unaffected mothers. D'Angelo EJ. **J Genet Psychol** 1986 Sep;147(3):421–2
Psychogenic water intoxication. Pary R, et al. **J Ky Med Assoc** 1986 Nov;84(11):624–7
Out–of–body experiences in schizophrenia. A questionnaire survey. Blackmore S. **J Nerv Ment Dis** 1986 Oct; 174(10):615–9
Patterns of recall in schizophrenics and normal subjects. Culver LC, et al. **J Nerv Ment Dis** 1986 Oct;174(10):620–3
Span of apprehension among remitted schizophrenics using small visual angles. Dobson DJ, et al. **J Nerv Ment Dis** 1987 Jun;175(6):362–6
Violent behavior in schizophrenic inpatients. Karson C, et al. **J Nerv Ment Dis** 1987 Mar;175(3):161–4
Depression, parkinsonian symptoms, and negative symptoms in schizophrenics treated with neuroleptics. Prosser ES, et al. **J Nerv Ment Dis** 1987 Feb;175(2):100–5
Cognitive impairment patterns in schizophrenia and affective disorder. Taylor MA, et al. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):895–9
An exploration of separation–individuation themes in the borderline personality disorder. Coonerty S. **J Pers Assess** 1986 Fall;50(3):501–11
Some Rorschach data comparing schizophrenics with borderline and schizotypal personality disorders. Exner JE. **J Pers Assess** 1986 Fall;50(3):455–71
The role of perceptual laws in the Rorschach test. Vizcarro–Guarch C, et al. **J Pers Assess** 1987 Spring; 51(1):82–94
Personality and neuropsychological aspects of temporal lobe epileptics and schizophrenics. Fujiwara M, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):583–94
Water intoxication and syndrome of inappropriate secretion of antidiuretic hormone in schizophrenic patients evaluated by water deprivation and load tests. Hamazoe K, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):595–602
Wandering at Heathrow Airport by the mentally unwell. Weller MP, et al. **Med Sci Law** 1987 Jan;27(1):37–9
Visuomotor tracking performance in schizophrenia: relationship with psychopathological subtyping. Gaebel W, et al. **Neuropsychobiology** 1987;17(1–2):66–71
Conditional associative learning in drug–free schizophrenic patients. Kemali D, et al. **Neuropsychobiology** 1987; 17(1–2):30–4
Urinary 3–methoxy–4–hydroxyphenylglycol in affective and schizophrenic patients. Behavior and symptom correlates. Mueser KT, et al. **Neuropsychobiology** 1986;15(2):57–61
A patient's perspective on schizophrenia. Leete E. **New Dir Ment Health Serv** 1987 Summer;(34):81–90
The family's response to mental illness in a relative. Lefley HP. **New Dir Ment Health Serv** 1987 Summer;(34):3–21
Impoverished written responses and negative features of schizophrenia. Manschreck TC, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1163–9
Autonomic nervous system differences as predictors of short–term outcome in schizophrenics. Straube ER, et al. **Pharmacopsychiatry** 1987 May;20(3):105–10
Psychological markers of vulnerability to schizophrenia: research and future directions. Harvey PD, et al. **Prog Exp Pers Res** 1986;14:231–67 (100 ref.)
The positive–negative dimension in schizophrenia: its validity and significance. Kay SR, et al. **Psychiatr Dev** 1987 Summer;5(2):79–103
Speculations on the measurement of recovery from severe psychiatric disorder and the human condition. Harding CM. **Psychiatr J Univ Ottawa** 1986 Dec;11(4):199–204
Sons and daughters of parents in a support organization. Sommer R. **Psychiatr Q** 1986–87 Spring;58(1):57–65
The nature of emotional blunting: a factor–analytic study. Berenbaum SA, et al. **Psychiatry Res** 1987 Jan;20(1):57–67
Responses to facial emotion and psychopathology. Mandal MK, et al. **Psychiatry Res** 1987 Apr;20(4):317–23
Rating scales in research: the case of negative symptoms. Thiemann S, et al. **Psychiatry Res** 1987 Jan;20(1):47–55
Family management in the prevention of morbidity of schizophrenia: social outcome of a two–year longitudinal study. Falloon IR, et al. **Psychol Med** 1987 Feb;17(1):59–66
The positive and negative symptoms of schizophrenia reflect impairments in the perception and initiation of action. Frith CD. **Psychol Med** 1987 Aug;17(3):631–48
Schizophrenic syndromes, cognitive performance and neurological dysfunction. Liddle PF. **Psychol Med** 1987 Feb;17(1):49–57
Genetic latent structure models: implication for research on schizophrenia. Matthysse S, et al. **Psychol Med** 1987 May; 17(2):271–4
Early manifestations and first–contact incidence of schizophrenia in different cultures. A preliminary report on the initial evaluation phase of the WHO Collaborative Study on determinants of outcome of severe mental disorders. Sartorius N, et al. **Psychol Med** 1986 Nov; 16(4):909–28
Anticholinergic–neuroleptic antagonism in terms of positive and negative symptoms of schizophrenia: implications for psychobiological subtyping. Singh MM, et al. **Psychol Med** 1987 Feb;17(1):39–48

Score differences in WAIS-R scatter for schizophrenics, depressives, and personality disorders: a preliminary analysis. Pernicano KM. **Psychol Rep** 1986 Oct;59(2 Pt 1):539–43

Positive and negative symptoms in schizophrenia: attentional performance correlates. Walker E, et al. **Psychopathology** 1986;19(6):294–302

Interpersonal and pharmacologic treatment in schizophrenia: a comparative study of new approaches. Carpenter WT Jr, et al. **Psychopharmacol Bull** 1986;22(3):854–9

Expressed emotion, maintenance pharmacotherapy, and schizophrenic relapse among Mexican-Americans. Jenkins JH, et al. **Psychopharmacol Bull** 1986;22(3):621–7

Visual perception process in amphetamine psychosis and schizophrenia. Kojima T, et al. **Psychopharmacol Bull** 1986; 22(3):768–73

Prediction of relapse in schizophrenia. Lieberman JA, et al. **Psychopharmacol Bull** 1986;22(3):845–53

Expressed emotion, fixed-dose fluphenazine decanoate maintenance, and relapse in recent-onset schizophrenia. Nuechterlein KH, et al. **Psychopharmacol Bull** 1986; 22(3):633–9

(Auto)aggression and CSF 5-HIAA in depression and schizophrenia. van Praag HM. **Psychopharmacol Bull** 1986; 22(3):669–73

The diagnosis of schizophrenia. Andreasen NC. **Schizophr Bull** 1987;13(1):9–22

Scale for the assessment of thought, language, and communication (TLC). Andreasen NC. **Schizophr Bull** 1986;12(3):473–82

Thought, language, and communication in schizophrenia: diagnosis and prognosis. Andreasen NC, et al. **Schizophr Bull** 1986;12(3):348–59

"Positive/negative symptoms"—poor terms? [letter]Andrews S, et al. **Schizophr Bull** 1987;13(2):237–40

The disorder of consciousness in schizophrenia. Anscombe R. **Schizophr Bull** 1987;13(2):241–60

Approaches to knowledge and understanding of schizophrenia. Carpenter WT Jr. **Schizophr Bull** 1987; 13(1):1–8

Infant predictors of the longitudinal course of schizophrenic development. Fish B. **Schizophr Bull** 1987;13(3):395–409

First person account: three generations of schizophrenia. Fuchs L. **Schizophr Bull** 1986;12(4):744–7

Methodological issues facing the interpretation of high-risk studies: biological heterogeneity. Garver DL. **Schizophr Bull** 1987;13(3):525–9 (0 ref.)

Psychosocial issues. Goldstein MJ. **Schizophr Bull** 1987; 13(1):157–71

The UCLA High-Risk Project. Goldstein MJ. **Schizophr Bull** 1987;13(3):505–14

Emory University Project on Children of Disturbed Parents. Goodman SH. **Schizophr Bull** 1987;13(3):411–23

Process-reactive dimension and outcome for narrow concepts of schizophrenia. Harrow M, et al. **Schizophr Bull** 1987;13(3):361–8 (45 ref.)

Schizophrenic thought disorder at followup: its persistence and prognostic significance. Harrow M, et al. **Schizophr Bull** 1986;12(3):373–93

Evaluating the process-reactive dimension. Herron WG. **Schizophr Bull** 1987;13(3):357–9

Recent studies of psychophysiology in schizophrenia. Holzman PS. **Schizophr Bull** 1987;13(1):49–75

Quality of thought disorder in differential diagnosis. Holzman PS, et al. **Schizophr Bull** 1986;12(3):360–71

Concurrent and predictive validity of components of disordered thinking in schizophrenia. Knight RA, et al. **Schizophr Bull** 1986;12(3):427–46

Training skills in the psychiatrically disabled: learning coping and competence. Liberman RP, et al. **Schizophr Bull** 1986; 12(4):631–47

Symptom monitoring in the rehabilitation of schizophrenic patients. Lukoff D, et al. **Schizophr Bull** 1986;12(4):578–602

Evaluating bizarre-idiosyncratic thinking: a comprehensive index of positive thought disorder. Marengo JT, et al. **Schizophr Bull** 1986;12(3):497–511

Schizophrenic thought disorder: a model-theoretic perspective. Matthysse S. **Schizophr Bull** 1987;13(1):173–84

Biological studies in schizophrenia. Meltzer HY. **Schizophr Bull** 1987;13(1):77–111

Attentional vulnerability indicators, thought disorder, and negative symptoms. Nuechterlein KH, et al. **Schizophr Bull** 1986;12(3):408–26

Thought disorder in schizophrenia: cognitive and neuroscience approaches. Patterson T, et al. **Schizophr Bull** 1986;12(3):460–72

Information-processing abnormalities: trait- and state-dependent components. Saccuzzo DP, et al. **Schizophr Bull** 1986;12(3):447–59

Early indicators of developmental risk: Rochester Longitudinal Study. Sameroff A, et al. **Schizophr Bull** 1987; 13(3):383–94

Scoring manual for the Thought Disorder Index. Solovay MR, et al. **Schizophr Bull** 1986;12(3):483–96

Applications of experimental psychopathology in psychiatric rehabilitation. Spaulding WD, et al. **Schizophr Bull** 1986; 12(4):560–77

Episodic and residual thought pathology in chronic schizophrenics: effect of neuroleptics. Spohn HE, et al. **Schizophr Bull** 1986;12(3):394–407

Genetic and psychosocial factors in schizophrenia: the Finnish Adoptive Family Study. Tienari P, et al. **Schizophr Bull** 1987;13(3):477–84

Polyuria among patients with psychosis. Vieweg WV, et al. **Schizophr Bull** 1986;12(4):739–43

First person account: a pessimist's progress. Woodman T. **Schizophr Bull** 1987;13(2):329–31

Relationship between symptomatology and social disability. Empirical evidence from a follow-up study of schizophrenic patients. DeJong A, et al. **Soc Psychiatry** 1986;21(4):200–5

A measure of the 'sick' label in psychiatric disorder and physical illness. Beiser M, et al. **Soc Sci Med** 1987; 25(3):251–61

[The diagnosis of schizophrenia] Pakaslahti A. **Duodecim** 1986;102(15):1044–51 **(Fin)**

[Repetitive phenomena and pathology of mourning in the genealogy of schizophrenia] Bovet P, et al. **Acta Psychiatr Belg** 1986 Jul-Aug;86(4):450–6 (Eng. Abstr.) **(Fre)**

[Childhood antecedents in adult schizophrenics. I) Critical review of retrospective and prospective studies] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Apr;144(4):376–86 **(Fre)**

[Schizophrenics prior to schizophrenia. Comparative and statistical inquiry on the infantile antecedents of 35 schizophrenics and 35 control subjects] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Jul;144(7):757–66 **(Fre)**

[Anticipation by schizophrenics (1)] Sutter J. **Ann Med Psychol (Paris)** 1987 Jan;145(1):1–10 (Eng. Abstr.) **(Fre)**

[Current studies on schizophrenia in adolescents] van Meerbeeck P. **Bull Mem Acad R Med Belg** 1986; 141(7):409–17 (Eng. Abstr.) **(Fre)**

[Wet pack treatment in schizophrenic crisis] Bovier P, et al. **Schweiz Arch Neurol Psychiatr** 1986;137(6):145–8 **(Fre)**

[Psychological and social anhedonia. Evaluation of a research instrument for measuring a basic psychopathologic disorder] Burgdörfer G, et al. **Eur Arch Psychiatry Neurol Sci** 1987;236(4):223–9 (Eng. Abstr.) **(Ger)**

[Significance of information processing systems for schizophrenic diseases, exemplified by deficient memory functions] Jost K. **Eur Arch Psychiatry Neurol Sci** 1986; 236(2):67–74 (Eng. Abstr.) **(Ger)**

[Psychotherapy in schizophrenia—theory and practice of individual treatment. A review] Krull F. **Fortschr Neurol Psychiatr** 1987 Feb;55(2):54–67 (Eng. Abstr.) **(Ger)**

[Brain mechanisms in normal and schizophrenic thinking. A synthesis of theories and data] Koukkou-Lehmann M. **Monogr Gesamtgeb Psychiatr (Berlin)** 1987;47:1–161 **(Ger)**

[Basic schizophrenic disorders] Süllwold L, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 1986;42:1–177 **(Ger)**

[Cognitive therapy of schizophrenic patients: problem analysis and empirical results] Brenner HD, et al. **Nervenarzt** 1987 Feb;58(2):72–83 **(Ger)**

[The course of the first schizophrenic illness. A 5-year catamnesis] Fähndrich E, et al. **Nervenarzt** 1986 Dec; 57(12):705–11 **(Ger)**

[The course of schizophrenia and periodicity—an empirical evaluation of their relation] Gmür M, et al. **Nervenarzt** 1987 Feb;58(2):121–3 **(Ger)**

[Congruence between the Frankfurt Complaint Inventory and the clinical rating of schizophrenic patients] Gmür M. **Nervenarzt** 1987 Jun;58(6):365–8 **(Ger)**

[Cognitive training of schizophrenic patients. Description of the training and results of a controlled therapeutic study] Hermanutz M, et al. **Nervenarzt** 1987 Feb;58(2):91–6 **(Ger)**

[Cognitive therapy of schizophrenic patients managed by standard means] Kraemer S, et al. **Nervenarzt** 1987 Feb; 58(2):84–90 **(Ger)**

[The schizophrenic patient's disposition: Zubin's concept of vulnerability] Olbrich R. **Nervenarzt** 1987 Feb;58(2):65–71 **(Ger)**

[Depressive syndromes within the scope of schizophrenic diseases] Heim M. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Dec; 38(12):716–21 (Eng. Abstr.) **(Ger)**

[Neuroleptic modification of basic schizophrenic disorders] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1987 May;39(5):274–80 (Eng. Abstr.) **(Ger)**

[Changes in the health state of schizophrenic patients in neuroleptic therapy] Heim M. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):483–7 (Eng. Abstr.) **(Ger)**

[Has the cataphasic form of schizophrenia increased in modern times?] Leonhard K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Aug; 38(8):443–9 (Eng. Abstr.) **(Ger)**

[Therapeutic family counseling of schizophrenic patients: rational aspects, concept and practical guidelines] Buchkremer G, et al. **Psychiatr Prax** 1987 May;14(3):73–7 (Eng. Abstr.) **(Ger)**

[Negative vs. positive therapy expectations and compliance vs. noncompliance] Linden M. **Psychiatr Prax** 1987 Jul; 14(4):132–6 (Eng. Abstr.) **(Ger)**

[Is Chestnut Lodge salt in the wound of psychoanalytic contributions to the treatment of schizophrenia?] Müller H. **Psychiatr Prax** 1987 Jan;14(1):22–6 (Eng. Abstr.) **(Ger)**

[How can we better help the relatives of schizophrenic patients?] Rave-Schwank M, et al. **Psychiatr Prax** 1986 Sep;13(5):166–71 (Eng. Abstr.) **(Ger)**

[Vacation for schizophrenic patients from inpatient treatment—stress for relatives] Sennekamp W, et al. **Psychiatr Prax** 1987 May;14(3):84–7 (Eng. Abstr.) **(Ger)**

[Concepts and methods in the study of the relations between familial and intrapsychic structures] Waeber R, et al. **Psychother Psychosom Med Psychol** 1986 Sep-Oct; 36(9–10):287–94 (Eng. Abstr.) **(Ger)**

[Subjective basic symptoms and definition of schizophrenia] Modestin J, et al. **Schweiz Arch Neurol Psychiatr** 1987; 138(2):35–41 (Eng. Abstr.) **(Ger)**

[Experiences with an integrated psychological therapy program for training communication and cognitive abilities in the rehabilitation of severely ill chronic schizophrenic patients] Roder V, et al. **Schweiz Arch Neurol Psychiatr** 1987;138(1):31–44 (Eng. Abstr.) **(Ger)**

[Incidence of broken homes in schizophrenic patients. A study of 239 patients treated at a social psychiatric department] Gmür M, et al. **Soz Praventivmed** 1987; 32(3):157–60 (Eng. Abstr.) **(Ger)**

[The course of schizophrenia in continued marriage and loss of the partner] Hell D, et al. **Soz Praventivmed** 1987; 32(3):154–6 (Eng. Abstr.) **(Ger)**

[The social network of schizophrenic patients] Angermeyer MC, et al. **Z Klin Psychol Psychopathol Psychother** 1986; 34(2):100–18 (Eng. Abstr.) **(Ger)**

[Schizophrenic thought disorders. Identification of parameters of inferential processes for computer-assisted diagnostic findings in psychiatric diagnosis. I] Krause W, et al. **Z Psychol** 1986;194(4):411–41 (Eng. Abstr.) **(Ger)**

[Aspects of pseudomutuality between the schizophrenic patient, his family and the patient care team] Arsuffi A, et al. **Minerva Psichiatr** 1987 Jan-Mar;28(1):19–24 (Eng. Abstr.) **(Ita)**

[Enlargement of the cerebral ventricles and cognitive efficiency in chronic schizophrenia] Roccatagliata G, et al. **Riv Neurol** 1986 May-Jun;56(3):158–67 (Eng. Abstr.) **(Ita)**

[Five male cases of wrist-cutting with suicidal intent] Okada F. **Hokkaido Igaku Zasshi** 1987 May;62(3):430–3 (Eng. Abstr.) **(Jpn)**

[Hallucinatory voices arguing (described by K. Schneider)] Nishiyama A. **Seishin Shinkeigaku Zasshi** 1987;89(4):282–90 **(Jpn)**

["Selective suspension" of actual feeling—one characteristic aspect of the emotional life of schizophrenics] Takeno S. **Seishin Shinkeigaku Zasshi** 1987;89(3):182–203 **(Jpn)**

[A case of simulation of vulvar neoplasm by a patient with schizophrenia] Szymański W, et al. **Ginekol Pol** 1987 Feb; 58(2):131–4 (Eng. Abstr.) **(Pol)**

[Socio-demographic characteristics of patients with schizophrenia and delusions] Gerard K. **Psychiatr Pol** 1987 Jan-Feb;21(1):51–6 (Eng. Abstr.) **(Pol)**

[Delusional thinking—its definition and classification] Grzywa A, et al. **Psychiatr Pol** 1986 Sep-Oct;20(5):369–76 (24 ref.) **(Pol)**

[Diagnostic judgments (experimental-comparative study)] Grzywa A, et al. **Psychiatr Pol** 1986 Mar-Apr;20(2):112–8 (Eng. Abstr.) **(Pol)**

[The thinking of patients with schizophrenia as an expression of disorders of information processing] Grzywa A. **Psychiatr Pol** 1986 May-Jun;20(3):215–24 (40 ref.) **(Pol)**

[Pathological defense mechanisms of the personality: their classification and interpretation] Jarosz M. **Psychiatr Pol** 1986 Nov-Dec;20(6):454–60 (Eng. Abstr.) **(Pol)**

[Characteristics of the course of cyclothymia-like schizophrenia in puberty] Danilova LIu. **Zh Nevropatol Psikhiatr** 1986;86(10):1539–43 (Eng. Abstr.) **(Rus)**

[Relation between perception of emotions by schizophrenic patients and the concordance of information from verbal and nonverbal channels of communication] Karlovskaia NN. **Zh Nevropatol Psikhiatr** 1986;86(8):1187–91 (Eng. Abstr.) **(Rus)**

[Disorder of selective attention in patients with late-manifesting schizophrenia with a syndrome of involutional paranoia] Kostandov EA, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):86–90 (Eng. Abstr.) **(Rus)**

[Clinical and social adaptation of patients with paroxysmal schizophrenia (clinico-epidemiologic study)] Krasik ED, et al. **Zh Nevropatol Psikhiatr** 1987;87(5):714–9 (Eng. Abstr.) **(Rus)**

[Study of the emotional range of schizophrenic patients in a model of emotion recognition through nonverbal expression] Kurek NS. **Zh Nevropatol Psikhiatr** 1986; 86(12):1831–7 (Eng. Abstr.) **(Rus)**

[Prognosis of the onset of latent pseudopsychopathic and pseudoneurotic schizophrenia in male adolescents (data of a long-term follow-up)] Lichko AE, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1517–21 (Eng. Abstr.) **(Rus)**

[Psychogenias of the refusal reaction type in patients with slowly progressive schizophrenia] Maksimov VI. **Zh Nevropatol Psikhiatr** 1987;87(5):703–9 (Eng. Abstr.) **(Rus)**

[Disorders of self-consciousness in schizophrenic patients with depressive and depressive-paranoid syndromes]

Nosachev GN. **Zh Nevropatol Psikhiatr** 1987;87(5):709–13 (Eng. Abstr.) **(Rus)**

[Comparative analysis of disorders of positive emotions in schizophrenic patients with defect traits and patients with endogenous depression] Poliakov IuF, et al. **Zh Nevropatol Psikhiatr** 1986;86(12):1819–24 (Eng. Abstr.) **(Rus)**

[Clinico-catamnestic study of patients with paroxysmal-progressive schizophrenia with a history of affective, anxiety-affective and affective-hallucinatory attacks in childhood/and full-blown hallucinatory-delusional attacks in adolescence] Simashkova NV, et al. **Zh Nevropatol Psikhiatr** 1986; 86(10):1528–33 (Eng. Abstr.) **(Rus)**

[Psychosomatic balancing] Sorokina TT, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1730–2 **(Rus)**

[Family factors and the course of schizophrenia] Fernández Hermida JR, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Nov–Dec;14(6):431–54 (Eng. Abstr.) **(Spa)**

SCHIZOPHRENIFORM DISORDERS see **PSYCHOTIC DISORDERS**

SCHIZOPHYLLAN see under **MUCOPOLYSACCHARIDES**

SCHIZOPHYLLUM see under **BASIDIOMYCETES**

SCHIZOSACCHAROMYCES see under **ENDOMYCETALES**

SCHIZOTYPAL PERSONALITY DISORDER

CLASSIFICATION

[Borderline personality disorders—current development of the concept] Czernikiewicz A. **Psychiatr Pol** 1986 May–Jun;20(3):225–31 (31 ref.) **(Pol)**

COMPLICATIONS

Involuntary movements and cognitive dysfunction in late onset schizophrenic outpatients. Waddington J, et al. **Ir Med J** 1986 Dec;79(12):347–50

Role of structure in disordered thinking in borderline and schizophrenic disorders. Edell WS. **J Pers Assess** 1987 Spring;51(1):23–41

[Limits and uncertainties of borderline states. The example of drug addictions] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):568–76 **(Fre)**

DIAGNOSIS

Non-regressive schizophrenia: prediction of regressive course. Jonsson H, et al. **Acta Psychiatr Scand** 1986 Nov; 74(5):440–5

Difference in reaction time between subjects with schizotypal and borderline personality disorders. Chapin K, et al. **Am J Psychiatry** 1987 Jul;144(7):948–50

Symptoms of schizotypal personality disorder. Jacobsberg LB, et al. **Am J Psychiatry** 1986 Oct;143(10):1222–7

Testing DSM-III symptom criteria for schizotypal and borderline personality disorders. McGlashan TH. **Arch Gen Psychiatry** 1987 Feb;44(2):143–8

A psychometric analysis of the social-interpersonal and cognitive-perceptual items for the schizotypal personality disorder. Widiger TA, et al. **Arch Gen Psychiatry** 1987 Aug; 44(8):741–5

Psychophysiological response patterns in college students with high physical anhedonia: scores appear to reflect schizotypy rather than depression. Bernstein AS, et al. **Biol Psychiatry** 1987 Jul;22(7):829–47

Individual differences in negative priming: relations with schizotypal personality traits. Beech A, et al. **Br J Psychol** 1987 Aug;78 (Pt 3):349–56

Political dissent and "sluggish" schizophrenia in the Soviet Union [editorial] Wilkinson G. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):641–2

Reduced P200 latency and allusive thinking: an auditory evoked potential index of a cognitive predisposition to schizophrenia? Catts SV, et al. **Int J Neurosci** 1986 Sep; 30(3):173–9

A chart review of schizotypal personality disorders in children. Nagy J, et al. **J Autism Dev Disord** 1986 Sep; 16(3):351–67

Relationship of borderline syndrome disorders to early schizophrenia on the MMPI. Edell WS. **J Clin Psychol** 1987 Mar;43(2):163–76

Borderline and schizotypal personality disorders: mutually exclusive or overlapping? Serban G, et al. **J Pers Assess** 1987 Spring;51(1):15–22

The search for symptoms predictive of schizophrenia. Chapman LJ, et al. **Schizophr Bull** 1987;13(3):497–503

[Borderline state: prospective or retrospective diagnosis] Biéder J, et al. **Ann Med Psychol (Paris)** 1986 Jun; 144(6):577–81 **(Fre)**

[Borderline states] Kringlen E. **Ann Med Psychol (Paris)** 1986 Jun;144(6):559–62 **(Fre)**

[The borderline state or the double form of the double] Laxenaire M, et al. **Ann Med Psychol (Paris)** 1986 Jun; 144(6):562–7 **(Fre)**

[A borderline couple. Family interactions and pictorial analysis] Veyrat JG, et al. **Ann Med Psychol (Paris)** 1986 Jun;144(6):581–92 **(Fre)**

[Prognosis of the onset of latent pseudopsychopathic and pseudoneurotic schizophrenia in male adolescents (data of a long-term follow-up)] Lichko AE, et al. **Zh Nevropatol Psikhiatr** 1986;86(10):1517–21 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The use of low-dose neuroleptics in the treatment of "schizo-obsessive" patients [letter]Schulz SC. **Am J Psychiatry** 1986 Oct;143(10):1318–9

FAMILIAL & GENETIC

[Clinico-genetic aspect of the relation of the schizoid character anomaly and schizophrenia (review of the literature)] Ritsner MS. **Zh Nevropatol Psikhiatr** 1987; 87(5):777–84 (127 ref.) **(Rus)**

PHYSIOPATHOLOGY

Abnormal P300 responses in schizophrenic children. Erwin RJ, et al. **J Am Acad Child Psychiatry** 1986 Sep; 25(5):615–22

PSYCHOLOGY

Effect of early environment on electrodermal and cognitive correlates of schizotypy and psychopathy in criminals. Raine A. **Int J Psychophysiol** 1987 Jan;4(4):277–87

Handedness of hypothetically psychosis-prone subjects. Chapman JP, et al. **J Abnorm Psychol** 1987 May; 96(2):89–93

Some Rorschach data comparing schizophrenics with borderline and schizotypal personality disorders. Exner JE. **J Pers Assess** 1986 Fall;50(3):455–71

[Psychopathology and maternity] Righetti-Veltema M. **Ann Med Psychol (Paris)** 1986 Nov;144(9):987–1008 (Eng. Abstr.) **(Fre)**

[The schizophrenic patient's disposition: Zubin's concept of vulnerability] Olbrich R. **Nervenarzt** 1987 Feb;58(2):65–71 **(Ger)**

THERAPY

[Several commentaries on the psychotherapy of borderlines] **Ann Med Psychol (Paris)** 1986 Jun;144(6):600–4 **(Fre)**

[Comparative evaluation of the results of insulin treatment of early schizophrenia presenting with pseudoneurotic disorders] Perzyński J. **Psychiatr Pol** 1986 Nov–Dec; 20(6):436–40 (Eng. Abstr.) **(Pol)**

SCHOENLEIN-HENOCH PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

SCHOLARSHIPS see **FELLOWSHIPS AND SCHOLARSHIPS**

SCHOOL ADMISSION CRITERIA see under **EDUCATIONAL MEASUREMENT**

SCHOOL DENTISTRY

An evaluation of a preschool dental health program. Rubinson L, et al. **ASDC J Dent Child** 1987 May–Jun; 54(3):186–92

An evaluation of the school dental inspection. Jenner AM, et al. **Community Dent Health** 1986 Sep;3(3):221–6

[Intensive oral hygiene in school, its effect on plaque incidence, gingivitis and caries] Hotz PR, et al. **Schweiz Monatsschr Zahnmed** 1986 Sep;96(9):1046–52 (Eng. Abstr.) **(Ger)**

[Effects of an intensified school prevention program for caries and gingivitis] Saxer UP, et al. **Schweiz Monatsschr Zahnmed** 1987;97(1):33–7 (Eng. Abstr.) **(Ger)**

[Experience with annual district dispensary care for children starting school and preschoolers at the orthodontist's] Pogodina AA, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec; 65(6):58–60 (Eng. Abstr.) **(Rus)**

ECONOMICS

Analysis of the costs of school-based mouthrinsing programs. Doherty NJ, et al. **Community Dent Oral Epidemiol** 1987 Apr;15(2):67–9

ORGANIZATION & ADMINISTRATION

The adoption and implementation of the fluoride mouthrinse program: descriptive results from school districts. Scheirer MA, et al. **J Public Health Dent** 1987 Spring;47(2):98–107

TRENDS

[Collective preventive programs in school and the use of part-time female school dental hygienists—their status after 20 years] Magri F, et al. **Schweiz Monatsschr Zahnmed** 1986 Nov;96(11):1225–49 (Eng. Abstr.) **(Ger)**

SCHOOL DROPOUTS see **STUDENT DROPOUTS**

SCHOOL HEALTH SERVICES

Targeted early childhood programming. The promise half fulfilled. Palfrey JS, et al. **Am J Dis Child** 1987 Jan; 141(1):55–9

Evaluation of school-based occupational therapy programs: need, strategy, and dissemination. Royeen CB. **Am J Occup Ther** 1986 Dec;40(12):811–3

Allergies in school children [letter] Mandell M. **Ann Allergy** 1987 Mar;58(3):222

Management of asthma in schools. Hill RA, et al. **Arch Dis Child** 1987 Apr;62(4):414–5

British Columbia's focus on eyes. An evaluative research study of the Ministry of Health's Elementary School Vision Screening Program in Prince George, British Columbia. Mitten M, et al. **Can J Public Health** 1987 Mar–Apr; 78(2):104–8

School health education programs for asthma. Evans D, et al. **Clin Rev Allergy** 1987 Aug;5(3):207–12 (33 ref.)

Physician in the community school. Davis JM, et al. **Fam Med** 1987 Jan–Feb;19(1):46–7

Are we teaching school health in residencies? Strenecky BJ, et al. **Fam Med** 1987 Jul–Aug;19(4):272–5

Evaluation of a pregnancy prevention program for urban teenagers. Zabin LS, et al. **Fam Plann Perspect** 1986 May–Jun;18(3):119–26

Therapist-assisted versus self-help relaxation treatment of chronic headaches in adolescents: a school-based intervention. Larsson B, et al. **J Child Psychol Psychiatry** 1987 Jan;28(1):127–36

The second evaluation of the curricular program "Hashish and Marihuana" in Israeli high schools. Weiss S, et al. **J Drug Educ** 1987;17(2):143–8

A public school-based referral system for psychiatric mental health nursing experiences. Eakes GG, et al. **J Nurs Educ** 1987 Feb;26(2):76–7

Menstruation problems in Nigerian students and sex education. Osujih M. **J R Soc Health** 1986 Dec; 106(6):219–21

The elementary school health fair: a process involving the whole school in health education. Bays CT. **J Sch Health** 1986 Oct;56(8):339–41

Implementation of "Heart Smart:" a cardiovascular school health promotion program. Downey AM, et al. **J Sch Health** 1987 Mar;57(3):98–104

Enriching professional preparation of school nurses through a health assessment course. Ely EA, et al. **J Sch Health** 1987 Mar;57(3):124–6

Planning and evaluating a school health project. Hays BJ, et al. **J Sch Health** 1987 Aug;57(6):224–7

A Toblacko Belt in Karate: classroom theater on the hazards of smoking [published erratum appears in J Sch Health 1986 Dec;56(10):452] Hoffman AL. **J Sch Health** 1986 Oct; 56(8):337–8

Promoting self-responsibility: using the school nurse in a health awareness program for primary students. Hufford BA, et al. **J Sch Health** 1987 May;57(5):195–7

Advocating for school health education in New York. Lohrmann DK, et al. **J Sch Health** 1987 Feb;57(2):68–71

Promoting positive attitudes toward aging among children. McGuire SL. **J Sch Health** 1986 Oct;56(8):322–4

Qualitative evaluation issues in funded school health projects. McLaughlin J, et al. **J Sch Health** 1987 Mar;57(3):119–21

National school health day in Tunisia. Mheni H. **J Sch Health** 1987 Jan;57(1):13

As the health care system bypasses children, pressure mounts on schools to fill the gap. Nienhuis M. **J Sch Health** 1987 Apr;57(4):144–6

Cardiovascular health knowledge of children and school personnel in Louisiana public schools. Oaks J, et al. **J Sch Health** 1987 Jan;57(1):23–7

Nurse perceptions of problems in meeting the health needs of youth. O'Neil KK, et al. **J Sch Health** 1987 Aug; 57(6):244–5

School-based, short-term group treatment for behaviorally disturbed young adolescent males: a pilot intervention. Rauch SP, et al. **J Sch Health** 1987 Jan;57(1):19–22

Nutrition education: from the lunchroom to the classroom. Shupe SD, et al. **J Sch Health** 1987 Mar;57(3):122–3

Computer competence for school nurses. Snyder AA. **J Sch Health** 1987 Jan;57(1):35–6

A synthesis of research on nutrition education at the elementary school level. Weiss EH, et al. **J Sch Health** 1987 Jan;57(1):8–13 (40 ref.)

Leads from the MMWR. Pregnant Adolescent Group for Education and Support—Illinois. **JAMA** 1987 Sep 25; 258(12):1583–4

A pilot school health survey to study the incidence of common disorders in primary school children and the role of teachers in the school health service. Uma Deavi Ayyamani. **Med J Malaysia** 1986 Mar;41(1):4–11

Schools are giving wellness a chance. Murdock R. **Mich Med** 1986 Nov;85(11):639–40

San Jose Nutrition Education Project—California. **MMWR** 1987 Aug 28;36(33):559–61

Pregnant Adolescent Group for Education and Support—Illinois. **MMWR** 1987 Aug 28;36(33):549–50

Role of the physician and physical education teacher in the treatment of obesity at school. Ward DS, et al. **Pediatrician** 1986;13(1):44–51 (67 ref.)

American Academy of Pediatrics Committee on School Health: Medical emergencies and administration of

medication in school. **Pediatrics** 1978 Jan;61(1):115–6
American Academy of Pediatrics Committee on School Health: Impedance bridge (tympanometer) as a screening device in schools. **Pediatrics** 1987 Mar;79(3):472
Screening for musculoskeletal deviations—a challenge for the physical therapist. The Utah Study. Francis RS, et al. **Phys Ther** 1987 Aug;67(8):1221–5
[School health care in Ostrava] Březina Z, et al. **Cesk Pediatr** 1987 Apr;42(4):239–42 **(Cze)**
[Child health in the school environment] Vermeil G, et al. **Arch Fr Pediatr** 1986 May;43(5):347–51 (Eng. Abstr.) **(Fre)**
[Current problems in the preparation of scientifically-based recommendations for the hygienic arrangement of all-day educational processes in the lower grades of the polytechnical college] Woltschkow K, et al. **Arztl Jugendkd** 1986 Oct;77(5):330–3 (Eng. Abstr.) **(Ger)**

ECONOMICS

The school entry medical examination [letter] Oberklaid F. **Arch Dis Child** 1987 Jan;62(1):99–100

LEGISLATION & JURISPRUDENCE

School health services after Tatro. Vitello SJ. **J Sch Health** 1987 Feb;57(2):77–80

MANPOWER

American Academy of Pediatrics Committee on School Health: Qualifications and utilization of nursing personnel delivering health services in schools. **Pediatrics** 1987 Apr; 79(4):647–8
Professional personnel in health care among secondary school athletics in Alabama. Culpepper MI, et al. **South Med J** 1987 Mar;80(3):336–8

ORGANIZATION & ADMINISTRATION

The school entry medical examination [Letter] Couriel JM. **Arch Dis Child** 1987 Apr;62(4):432
School-based health clinics: a new approach to preventing adolescent pregnancy? Dryfoos J. **Fam Plann Perspect** 1985 Mar–Apr;17(2):70–5
School-based clinics: a national conference. Kenney AM. **Fam Plann Perspect** 1986 Jan–Feb;18(1):44–6
School clinics help kids and hospitals, too. Cherskov M. **Hospitals** 1986 Nov 5;60(21):95
The Newport News, Virginia, Dental Health Fair. Hawkins CB. **J Sch Health** 1986 Sep;56(7):292–3
Transferring a clinic-based health education program for children with asthma to a school setting. Kaplan DL, et al. **J Sch Health** 1986 Sep;56(7):267–71
Comprehensive school-based health clinics: a growing movement to improve adolescent health and reduce teen-age pregnancy. Kirby D. **J Sch Health** 1986 Sep; 56(7):289–91
The school nurse as a coordinator of health services for handicapped students: a school record analysis. Crossland CL, et al. **Public Health Nurs** 1986 Sep;3(3):147–57
Smokeless Tobacco Reduction Program. Glidden L, et al. **Public Health Rep** 1987 Jan–Feb;102(1):90–5
[A unified program of examining schoolchildren in the USSR and Democratic Republic of Germany] Anan'eva NA, et al. **Gig Sanit** 1986 Oct;(10):36–8 **(Rus)**
[Various aspects of hygienic education and training of vocational school students in sanatoria and preventoria] Marat BA. **Gig Sanit** 1986 Aug;(8):49–51 **(Rus)**
[Hygienic rationalization of the daily schedule for schoolchildren living in the extreme North] Siniakina AD. **Gig Sanit** 1987 Jun;(6):20–3 (Eng. Abstr.) **(Rus)**

STANDARDS

Pediatric team physicians. Luckstead EF. **Pediatrics** 1986 Nov;78(5):941–2
[The "Youth and Health" program: evaluation of 3 years of implementation of prevention and health promotion for apprentices and high school students in Vaud] Michaud PA, et al. **Rev Med Suisse Romande** 1987 Jul;107(7):611–20 **(Fre)**
[Evaluation of a school health program for high school and gymnasium students in the canton of Vaud: methodological tools] Michaud PA, et al. **Soz Praventivmed** 1986; 31(4–5):194–7 (Eng. Abstr.) **(Fre)**
[Nutrition of adolescents at boarding schools] Szponar L, et al. **Rocz Panstw Zakl Hig** 1986;37(5):378–87 (Eng. Abstr.) **(Pol)**

SUPPLY & DISTRIBUTION

[Comparative evaluation of schoolchildren's qualification for mass screening following routine and extended health balance studies] Pultorak M, et al. **Pediatr Pol** 1986 Jun; 61(6):365–73 (Eng. Abstr.) **(Pol)**

TRENDS

Tennessee's School Health Program. Rothacker SM. **J Tenn Med Assoc** 1986 Oct;79(10):644–5

SCHOOL NURSING

School-based hypertension screening as a clinical unit experience for nursing students. Spratlen LP. **J Nurs Educ** 1983 Nov;22(9):386–9
Helping the eye-patched child. Colligan N. **J Sch Health** 1987 May;57(5):197–8
The school nurse's role in school-based clinics. Edwards LH. **J Sch Health** 1987 Apr;57(4):157–9
Enhance your school nursing practice: join a study group. Haas M, et al. **J Sch Health** 1986 Dec;56(10):455–6
Lyme disease: an increasing health risk for school-age children. Hahn DB, et al. **J Sch Health** 1987 Aug; 57(6):221–3
Menarche in the severely disabled adolescent: school nurses' attitudes, perceptions, and perceived teaching responsibilities. Tse AM, et al. **J Sch Health** 1986 Dec; 56(10):443–7
Professional profile. W. Micki Wilder [interview] Wilder WM. **J Sch Health** 1986 Dec;56(10):459
Diabetes and the school nurse [letter] Milloy BR. **MCN** 1987 Jan–Feb;12(1):20
The school nurse as a coordinator of health services for handicapped students: a school record analysis. Crossland CL, et al. **Public Health Nurs** 1986 Sep;3(3):147–57

STANDARDS

A California school nurse credential survey. Brajkovich HL, et al. **J Sch Health** 1986 Dec;56(10):437–9
Evaluation of nursing practice in schools. Proctor SE. **J Sch Health** 1986 Sep;56(7):272–5
American Academy of Pediatrics Committee on School Health: Qualifications and utilization of nursing personnel delivering health services in schools. **Pediatrics** 1987 Apr; 79(4):647–8

TRENDS

The declining status of school nurses in New York. Hill-White D, et al. **J Sch Health** 1987 Apr;57(4):137–43

SCHOOLS

Value of group counseling in secondary schools. Berkovitz IH. **Adolesc Psychiatry** 1987;14:522–45
Building a suicide prevention climate in schools. Berkovitz IH. **Adolesc Psychiatry** 1987;14:500–10
Youth suicide: the role of school consultation. Peck ML, et al. **Adolesc Psychiatry** 1987;14:511–21
Epilepsy and education: the pediatrician's expanding role. Marshall RM, et al. **Adv Pediatr** 1986;33:159–80 (124 ref.)
Hepatitis B infection in a day school for mentally retarded students: transmission from students to staff. Remis RS, et al. **Am J Public Health** 1987 Sep;77(9):1183–6
Immunisation before school entry: should there be a law? Noah ND. **Br Med J [Clin Res]** 1987 May 16; 294(6582):1270–1
The relation of temperament and other factors to children's kindergarten adjustment. Slee PT. **Child Psychiatry Hum Dev** 1986 Winter;17(2):104–12
Differences among emotionally disturbed children in three treatment and school settings: discriminant function and multiple regression analysis. Stotsky BA, et al. **Child Psychiatry Hum Dev** 1987 Summer;17(4):235–41
Accidents in the school environment in Milan, a five year survey. Pagano A, et al. **Eur J Epidemiol** 1987 Jun; 3(2):196–201
Correlating health effect with indoor air quality in kindergartens. Rindel A, et al. **Int Arch Occup Environ Health** 1987;59(4):363–73
Sudden nontraumatic death in adolescence. Deaths at school. Neuspiel DR, et al. **J Adolesc Health Care** 1987 Mar; 8(2):208–10
Visual function and academic performance: a critique [editorial] Stolzberg ME. **J Am Optom Assoc** 1986 Dec; 57(12):880–1
The stress of school entry: parental coping behaviors and children's adjustment to school. Elizur J. **J Child Psychol Psychiatry** 1986 Sep;27(5):625–38
School absence rates as outcome measures in studies of children with chronic illness. Weitzman M. **J Chronic Dis** 1986;39(10):799–808
Adjusting to new environments: law schools search for meaning in change. Zimmer BI. **J Dent Educ** 1987 Mar; 51(3):151–9
Role of school environment in transmission of parasitic infections in a desert district (King Mariute), Alexandria. Michael L, et al. **J Egypt Soc Parasitol** 1986 Dec; 16(2):487–94
Debarring attendance in school for chickenpox and measles [letter] Sarkar JK. **J Indian Med Assoc** 1987 Apr;85(4):120
A comparative analysis of the effects of alienation on public and private school females. Calabrese R. **J Psychol** 1987 May;121(3):237–42
Comprehensive health/lifestyle education in the secondary schools ... an idea whose time has come? [editorial] Bryan CS Jr. **J SC Med Assoc** 1987 Apr;83(4):229
Mass media linkages with school-based programs for drug abuse prevention. Flay BR. **J Sch Health** 1986 Nov; 56(9):402–6 (52 ref.)
AIDS: resource materials for school personnel [published erratum appears inm J Sch Health 1987 Mar;57(3):108] Fulton GB, et al. **J Sch Health** 1987 Jan;57(1):14–8
Aging education in schools. McGuire SL. **J Sch Health** 1987 May;57(5):174–6
Negative health messages in schools. Olds RS, et al. **J Sch Health** 1986 Oct;56(8):334–6
Community organization and school liaisons: how to get programs started. Pentz MA. **J Sch Health** 1986 Nov; 56(9):382–8
Professional profile: Michael Schaffer [interview] Schaffer M. **J Sch Health** 1987 May;57(5):203
School problems and teacher responsibilities in juvenile rheumatoid arthritis. Taylor J, et al. **J Sch Health** 1987 May;57(5):186–90
The nutritional impact of school feeding programme in Mafraq area. Hijazi SS, et al. **J Trop Pediatr** 1986 Aug; 32(4):174–80
Friable asbestos in schools must be found by May 1988, removal plan must start by 1989 [news] Garrahan K. **JAMA** 1987 Mar 27;257(12):1570–1
Disputed dimensions of risk: a public school controversy over AIDS. Nelkin D, et al. **Milbank Q** 1986;64 Suppl 1:118–42
Research opportunities on the campus. **New Engl Reg Allergy Proc** 1986 Jan–Feb;7(1):45–8
History of school meals in Great Britain. Fisher P. **Nutr Health** 1987;4(4):189–94
Technical developments in the provision of school meals. Glew G. **Nutr Health** 1987;4(4):227–35
Youngsters who persistently do not attend school. Place M, et al. **Pediatrician** 1986;13(2–3):89–95
Factors associated with excessive school absence. Weitzman M, et al. **Pediatrician** 1986;13(2–3):74–80
School performance and theophylline [letter] **Pediatrics** 1987 Jul;80(1):122–7
American Academy of Pediatrics: Physical fitness and the schools. **Pediatrics** 1987 Sep;80(3):449–50
American Academy of Pediatrics Committee on Environmental Hazards: Asbestos exposure in schools. **Pediatrics** 1987 Feb;79(2):301–5
Epidemiology of school injuries: a 2-year experience in a municipal health department. Sheps SB, et al. **Pediatrics** 1987 Jan;79(1):69–75
The compelling case for seat belts on school buses. Spital M, et al. **Pediatrics** 1986 Nov;78(5):928–32
Low back schools. A critical review. Linton SJ, et al. **Phys Ther** 1987 Sep;67(9):1375–83 (27 ref.)
A comparison of family characteristics and attitudes toward after-school care for latchkey children. Dennis LI. **Public Health Nurs** 1986 Dec;3(4):215–24
Users of reproductive health clinic services in a school pregnancy prevention program. Hirsch MB, et al. **Public Health Rep** 1987 May–Jun;102(3):307–16
Transitional service centers: from school to work for students with developmental disabilities. Schwamm JB. **Rehabil Lit** 1986 Sep–Oct;47(9–10):236–9
One year's incidence of school accidents and their severity in a Swedish municipality. Jacobsson B, et al. **Scand J Prim Health Care** 1986 Nov;4(4):213–7
[An analysis of the causes of exclusion from compulsory school physical education] Kučera M, et al. **Cesk Pediatr** 1986 Dec;41(12):742–3 **(Cze)**
[Integration of mentally handicapped pupils in normal schools with particular attention to assessment by their families] Blinkenberg S, et al. **Ugeskr Laeger** 1987 Jan 19; 149(4):248–51 (Eng. Abstr.) **(Dan)**
[Tuberculosis in a primary school] Nurmela T, et al. **Duodecim** 1987;103(3):142–5 **(Fin)**
[Classification of the nature and severity of accidents and injuries] Danzon A. **Ann Pediatr (Paris)** 1987 Mar; 34(3):233–6 (Eng. Abstr.) **(Fre)**
[Classification of accidents linked to physical education in schools. Factor analysis of the relationships in 336 cases seen in Geneva in 3 grades of junior high school] Jeanneret O, et al. **Ann Pediatr (Paris)** 1987 Mar;34(3):219–26 (Eng. Abstr.) **(Fre)**
[School-related problems in consultation of adolescents] Courtecuisse V, et al. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):729–32 (Eng. Abstr.) **(Fre)**
[Schools and society] Guran P. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):709–13 (Eng. Abstr.) **(Fre)**
[Scholastic life. The right to be different] Launay C. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):723–8 (Eng. Abstr.) **(Fre)**
[Beginning of compulsory school attendance] Vermeil G. **Bull Acad Natl Med (Paris)** 1986 Jun;170(6):715–21 (Eng. Abstr.) **(Fre)**
[The child and school: uneasy feelings] Guran P. **Pediatrie** 1987;42(2):111–4 (Eng. Abstr.) **(Fre)**
[Meningococcal epidemic in a boarding school: a rifampicin-resistant secondary case while under chemoprophylaxis] Schubiger G, et al. **Schweiz Med Wochenschr** 1986 Aug 30;116(35):1172–5 (Eng. Abstr.) **(Ger)**
[Sports in the family and school] Kennel L. **Schweiz Z Sportmed** 1986 Mar;34(1):40–2 **(Ger)**
[Epidemiology and etiopathogenesis of school accidents] Ciotti F, et al. **Pediatr Med Chir** 1987 Jan–Feb;9(1):9–13 (Eng. Abstr.) **(Ita)**
[Fat and fatty acids in food rations in school and university cafeterias and in nursery schools] Amarowicz R, et al. **Rocz Panstw Zakl Hig** 1986;37(2):126–30 (Eng. Abstr.) **(Pol)**
[Changes in school absences and educational measurement of urban and rural children during 6 years of elementary education] Polus-Szeniawska E, et al. **Rocz Panstw Zakl Hig** 1986;37(6):555–9 (Eng. Abstr.) **(Pol)**

[Physical work capacity and respiratory parameters of students at a secondary education boarding school] Datsenko II, et al. **Gig Sanit** 1987 May;(5):25–8 (Eng. Abstr.) **(Rus)**

[Hygienic recommendations for establishing optimal microclimatic conditions in extracurricular club rooms] Sergeta VN, et al. **Gig Sanit** 1987 May;(5):79–80 **(Rus)**

ORGANIZATION & ADMINISTRATION

School dinners [editorial] Wharton BA.
Br Med J [Clin Res] 1987 Jun 27;294(6588):1635–6

Effect of stress on performance of high school principals. Ehiametalor ET, et al. **J R Soc Health** 1987 Apr; 107(2):68–9

[Hygienic problems in the planning of boarding schools in Cuba and in organizing the educational and occupational activities] Sukharev AG, et al. **Gig Sanit** 1987 Jun;(6):56–8 **(Rus)**

STANDARDS

[Reflections of a teacher] Prost A.
Bull Acad Natl Med (Paris) 1986 Jun;170(6):733–42 (Eng. Abstr.) **(Fre)**

[Results of air ventilation studies in classrooms of the type 80 school building] Schulze HD. **Z Gesamte Hyg** 1987 Jun; 33(6):294–5 (Eng. Abstr.) **(Ger)**

[Characteristics of microflora of the air in school buildings] Gritsenko VK, et al. **Gig Sanit** 1986 Aug;(8):79–80 **(Rus)**

[Relation between the functional status of schoolchildren and the atmospheric environment of school rooms] Voronova BZ, et al. **Gig Sanit** 1986 Sep;(9):22–4 (Eng. Abstr.) **(Rus)**

SCHOOLS, DENTAL

The University of Bergen School of Dentistry 1962–1987. Selvig KA, et al. **Acta Odontol Scand** 1987 Jun;45(3):127–34

Dental school enrollment—does it conform to supply and demand? [editorial] Di Paolo R.
Am J Orthod Dentofacial Orthop 1987 Sep;92(3):260–1

Organizing a stomatology center within a dental school. Hurt WC, et al. **Ann Dent** 1987 Summer;46(1):49–51

Developments in dental education for New York State residents. Waldman HB. **Ann Dent** 1986 Winter;45(2):35–6

University of Bristol Dental School research profile.
Br Dent J 1987 Jan 24;162(2):82–3

The pint pot is overflowing. Green RM. **Br Dent J** 1987 May 9;162(9):330

'The teaching of nutrition in UK dental schools' [letter] Sarll DW. **Br Dent J** 1987 May 9;162(9):328–9

Comparing pharmacology instruction. Comparative analysis of pharmacology curricula in schools of dentistry, medicine and optometry. Waigandt A, et al. **J Am Coll Dent** 1986 Fall;53(3):23–7

Accredited dental schools. Commission on Dental Accreditation. **J Am Dent Assoc** 1987 Apr;114(4):518–21

Accredited dental schools. Commission on Dental Accreditation. **J Am Dent Assoc** 1987 Aug;115(2):353–5

Accredited dental schools. Commission on Dental Accreditation. **J Am Dent Assoc** 1986 Sep;113(3):445–7

Proceedings of the sixty-fourth AADS annual session. American Association of Dental Schools. **J Dent Educ** 1987 Jul;51(7):335–445

Longevity of restorations in a dental school clinic. Bentley C, et al. **J Dent Educ** 1986 Oct;50(10):594–600

Review of the activities of the AADS council of students. Creath CJ, et al. **J Dent Educ** 1987 Aug;51(8):486–8

The association and the supervision of dental hygienists [editorial] Mumma RD Jr. **J Dent Educ** 1987 Aug; 51(8):463–4

Select—a national program to attract highly qualified individuals to careers in dentistry. Reese EL, et al.
J Dent Educ 1987 Feb;51(2):87–90

Criteria leading to patient loss from dental school clinics. Xhonga-Oja FA, et al. **J Oral Rehabil** 1986 Jul; 13(4):339–45

Preparing dentists to meet the future challenge of geriatric dentistry at NYU. Bachiman R, et al. **NY J Dent** 1986 Dec-Jan;56(7):272–4

Ten years of graduates from SUNY at Stony Brook:location and type of practice [published erratum appears in NY State Dent J 1987 May;53(5):52] Waldman HB.
NY State Dent J 1987 Mar;53(3):26–7

The academic institution and the future of dentistry. The Percy T. Phillips memorial lecture. White RP Jr.
NY State Dent J 1987 Jan;53(1):32–4

[The new Dental Institute at the State University of Ghent] Adriaens PA. **Rev Belge Med Dent** 1986 Jun;41(3):106–11 (Eng. Abstr.) **(Fre)**

[Teaching of stomatology in Debrecen] Simkó L.
Fogorv Sz 1986 Dec;79(12):365–7 (Eng. Abstr.) **(Hun)**

HISTORY

Badges of the dental profession. Liverpool University Dental Alumni Association. Hancocks S. **Br Dent J** 1986 Oct 25; 161(8):311

The Association of Canadian Faculties of Dentistry. Twenty years of achievement. Dunn WJ. **Can Dent Assoc J** 1987 May;53(5):359–60

[Reconstruction of 2 departments of Warsaw University: the medical and pharmaceutical departments and the Stomatological Academy after the liberation of Warsaw] Paciorkiewicz M. **Arch Hist Filoz Med** 1986;49(2):197–210 (Eng. Abstr.) **(Pol)**

[The Moscow Dental Institute during World War II (1941–1945)] Troianskiĭ GN, et al. **Stomatologiia (Mosk)** 1987 Jan-Feb;66(1):78–80 **(Rus)**

ORGANIZATION & ADMINISTRATION

Dental faculty tenure. Relationship of the dental faculty to the university tenure system. Kalkwarf KL.
J Am Coll Dent 1986 Fall;53(3):14–9

STANDARDS

Dental schools under scrutiny. **Br Dent J** 1987 Jul 11; 163(1):1–2

Accredited dental schools. Commission on Dental Accreditation. **J Am Dent Assoc** 1986 Dec;113(6):953–5

SCHOOLS, HEALTH OCCUPATIONS

The American Occupational Therapy Association, Inc. Listing of educational programs in occupational therapy, November 1986. **Am J Occup Ther** 1986 Dec;40(12):844–50

Understanding factors involved in college choice: implications for baccalaureate programs in nursing and allied health. Bross TM, et al. **J Allied Health** 1986 Aug; 15(3):193–200

Research and the mission of schools of allied health. Covey PC, et al. **J Allied Health** 1987 Feb;16(1):1–5

Comparing pharmacology instruction. Comparative analysis of pharmacology curricula in schools of dentistry, medicine and optometry. Waigandt A, et al. **J Am Coll Dent** 1986 Fall;53(3):23–7

The view from the professional schools: social work. Lewis H. **J Dent Educ** 1987 Mar;51(3):164–7

Factors affecting applications to professional schools of six professions (medicine, dentistry, nursing, law, social work, and public health). Watson S, et al. **J Dent Educ** 1987 Mar; 51(3):130–6

Recruitment strategy for increasing minority enrollment in nursing and other professional schools. Walker ML.
J Nurs Educ 1987 Apr;26(4):169–71

Systematic clinical placement of physical therapy students. Van Swearingen JM. **Phys Ther** 1987 Mar;67(3):394–8

ORGANIZATION & ADMINISTRATION

A health professions faculty workload plan for a liberal arts setting. Bamberg R, et al. **J Allied Health** 1986 Aug; 15(3):239–44

Fund-raising strategies for the allied health professions. Cornesky RA, et al. **J Allied Health** 1987 May;16(2):155–66

Urban AHECs: a comparison with rural AHECs. Gessert C, et al. **Public Health Rep** 1986 Nov-Dec;101(6):637–43

[Information provisions for the management of the education and training process in a paramedical training institution] Cherniavskiĭ VE, et al. **Sov Zdravookhr** 1987;(6):47–9 **(Rus)**

SCHOOLS, LIBRARY see **LIBRARY SCHOOLS**

SCHOOLS, MEDICAL

The affiliation partnership between U.S. medical schools and the Veterans Administration. **Ala J Med Sci** 1987 Jan; 24(1):84–9

Volume: papers and academic promotion [editorial] Stossel TP. **Ann Intern Med** 1987 Jan;106(1):146–9

Medical school effect on student selection of physical medicine and rehabilitation as a specialty. Bender LF, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):783–9

Faculty development practices in Canadian medical schools. McLeod PJ. **Can Med Assoc J** 1987 Apr 1;136(7):709–12

Medical school cutbacks would be unfair to young Canadians, conference told. Sullivan P.
Can Med Assoc J 1986 Dec 1;135(11):1299, 1301

The academic role and scholarship. Davies TC.
Fam Med 1986 May-Jun;18(3):166–7

An intradepartmental teaching effort at a medical university. Hobbs J, et al. **Fam Med** 1985 Jan-Feb;17(1):11–2

Nutritional knowledge of medical staff and students: is present education adequate? Brett A, et al.
Hum Nutr Appl Nutr 1986 Jun;40(3):217–22

Status of radiation oncology in the curriculum of American medical schools [letter] Wall TJ.
Int J Radiat Oncol Biol Phys 1987 Sep;13(9):1431

Resuscitation training for medical students in the United Kingdom—a comparison with the United States of America. Smith GB, et al. **Intensive Care Med** 1987; 13(4):260–5

A multimodality projection console for the radiology conference room. Delany DJ, et al. **Invest Radiol** 1987 Apr; 22(4):336–7

School of optometry at Tel Aviv University. Levinson A.
J Am Optom Assoc 1987 Feb;58(2):96–9

Association of American Medical Colleges. Annual Meeting and Annual Report, 1986. **J Med Educ** 1987 Mar; 62(3):203–85

Psychiatry clerkships at U.S. medical schools. Abrams HL, et al. **J Med Educ** 1987 Jan;62(1):55–7

Survey of departments of obstetrics and gynecology in U.S. and Canadian medical schools, 1965 to 1985. Beckmann CR, et al. **J Med Educ** 1987 Sep;62(9):765–7

Policies of U.S. medical schools on the use of the NBME Part I and Part II examinations. Cleghorn GD.
J Med Educ 1986 Dec;61(12):954–7

The VA-medical school partnership: the VA perspective. Gronvall JA. **J Med Educ** 1987 Mar;62(3):158–62

Academic predictors of minority students' acceptance into medical school. Montecinos C, et al. **J Med Educ** 1987 Aug;62(8):678–80

The VA-medical school partnership: the medical school perspective. Petersdorf RG. **J Med Educ** 1987 Mar; 62(3):153–7

Minority admissions: quo vadis? [editorial] Prieto DO, et al.
J Med Educ 1987 Aug;62(8):698–700

Information system linking a medical school with practitioners and hospitals. Rankin JA, et al.
J Med Educ 1987 Apr;62(4):336–43

Survey of courses offered in U.S. medical schools on health care delivery and finance. Thompson WG, et al.
J Med Educ 1987 Sep;62(9):761–3

Black medical students' perceptions of the academic environment and of faculty and peer interactions. Frierson HT Jr. **J Natl Med Assoc** 1987 Jul;79(7):737–43

The effect of a summer MCAT performance improvement program on minority medical student acceptance. Medina MA. **J Natl Med Assoc** 1987 Jul;79(7):727–31

Medical cadet elective to the USA. Bisson JI, et al.
J R Army Med Corps 1987 Jun;133(2):103–5

Admission to medical school: from audit to action. Horton RC. **J R Soc Med** 1986 Sep;79(9):504–5

Medical schools in the United States. **JAMA** 1987 Aug 28; 258(8):1069–89

Medical schools in Canada. **JAMA** 1987 Aug 28; 258(8):1093–7

Choice and ordering of medical school applications: cause for concern. McManus IC, et al. **Lancet** 1987 Jul 4; 2(8549):33–5

What is medical education here really like? Suggestions for action research studies of climates of medical education environments. Genn JM, et al. **Med Teach** 1986;8(2):111–24

Emergency readiness training at the Uniformed Services University of the Health Sciences. Cowan ML, et al.
Milit Med 1987 Apr;152(4):196–9

Research integration. If you go to San Francisco . . . [news] Palca J. **Nature** 1986 Oct 2–8;323(6087):389

Centers for education. Paton A. **Postgrad Med J** 1986 May; 62(727):413–4

New directions for organizing structural curriculum reform. Hunt BJ, et al. **Proc Annu Conf Res Med Educ** 1986; 25:77–82

Characteristics of students recruited in different types of medical schools. Maheux B, et al.
Proc Annu Conf Res Med Educ 1986;25:103–8

Research-and-teaching elective in a primary care oriented school. Pantoja E, et al.
Proc Annu Conf Res Med Educ 1984;23:26–32

Symposium: The use of site visits to evaluate clinical clerkships. Wetmore KE, et al.
Proc Annu Conf Res Med Educ 1986;25:363–70

The relationship between premedical school academic factors and actual medical school performance. Leonardson GR, et al. **SD J Med** 1987 Apr;40(4):21–6

Increasing minority representation in a medical school. Fang WL, et al. **Va Med** 1987 May;114(5):300–1

Medical school admissions [editorial] Kendig EL Jr.
Va Med 1987 May;114(5):302–3

[The role of medical schools in the development of the health sciences and research] Trojan S. **Cesk Fysiol** 1987;36(1):1–2 **(Cze)**

[Parvovirus B19 infections. Outbreak in a medical technology educational institute (letter)] Schwarz TF, et al.
Dtsch Med Wochenschr 1987 Jul 24;112(30):1190 **(Ger)**

[The libraries of the Department of Medicine of Turin: analysis, critique and plans] Comba V.
Ann Ist Super Sanita 1986;22(4):1201–2 **(Ita)**

[In Martha's times. Interrelations between university and hospital and between general medicine and specialization, as an epistemologic problem] Visioli O. **Cardiologia** 1986 Apr;31(4):247–9 **(Ita)**

[Joint work of the Irkutsk Research Institute of Traumatology and Orthopedics and of the Department of Traumatology, Orthopedics and Military Field Surgery in preventing traumatism in the lumber industry] Zyrianova TD, et al. **Ortop Travmatol Protez** 1986 Sep;(9):62–4 **(Rus)**

[Cooperation between a medical university and rural health organs and institutions] Konovalova IG, et al.
Sov Zdravookhr 1987;(1):39–41 (Eng. Abstr.) **(Rus)**

[The results of discussions on the teaching of biochemistry in medical schools] Berezov TT. **Vopr Med Khim** 1987 May-Jun;33(3):134–7 **(Rus)**

[Unresolved problems in teaching biochemistry in medical schools] Tabagari SI, et al. **Vopr Med Khim** 1987 May-Jun; 33(3):132–4 **(Rus)**

[The reorientation of medical education] Luna R.
Educ Med Salud 1986;20(4):466–72 (Eng. Abstr.) **(Spa)**

[Now that I am dean... (editorial)] Jaim Etcheverry G.
Medicina (B Aires) 1987;47(1):101–3 **(Spa)**

[Medicine: the dawn of new eras] Roa A. **Rev Med Chil** 1986 Nov;114(11):1079–84 (Eng. Abstr.) **(Spa)**

[Results of different stages in the admission process for the

School of Medicine, in 1986] de Rivera SB, et al. **Rev Med Panama** 1987 Jan;12(1):60–6 (Eng. Abstr.) **(Spa)**

ECONOMICS

US medical school finances. Jolly P, et al. **JAMA** 1987 Aug 28;258(8):1022–30

HISTORY

Arthur Purdy Stout and his times. With a history of the Laboratory of Surgical Pathology at the College of Physicians and Surgeons of Columbia University. Lattes R. **Am J Surg Pathol** 1986;10 Suppl 1:4–13

College heraldry: the three Royal Colleges and their arms. A story told at the combined meeting in Vancouver. Beasley AW. **Aust NZ J Surg** 1987 Mar;57(3):191–5

The McArdle Laboratory for Cancer Research. Pitot HC, et al. **Bioessays** 1987 Mar;6(3):138–40

The other Abraham: Flexner in Illinois. Ward PS. **Caduceus** 1986 Spring;2(1):1–66

A century of dermatology: the Department of Dermatology at Northwestern University Medical School. Roenigk HH Jr, et al. **Cutis** 1987 Apr;39(4):275–6

The influence of the nineteenth-century Vienna school on Italian medicine: the roles of Padua and Trieste. Premuda L. **Hesry E Sigerist Suppl Bull Hist Med** 1982;(6):180–211

John Stough Bobbs: the relatively unknown physician who brought organized medical education to life in Indiana. Bonsett CA. **Indiana Med** 1987 Jul;80(7):604

History of podiatric medical education. An update. Gibley CW Jr. **J Am Podiatr Med Assoc** 1987 Aug;77(8):404–18

South Carolina medical reconstruction. Leland TM. **J SC Med Assoc** 1985 Nov;81(11):619–20

The first school of medicine in the country [letter] Roberts MS. **JAMA** 1987 Sep 18;258(11):1479

History of the Medical Faculty at the University of Poznań and the Academy of Medicine. Hasik J, et al. **Mater Med Pol** 1986 Jul–Sep;18(3):177–8

University of Nebraska Medical Center Department of Pathology and Microbiology. Newland JR, et al. **Nebr Med J** 1987 Feb;72(2):42–51

Centennial prompts recall of school's history. University of Pittsburgh School of Medicine. Davis KK. **Pa Med** 1987 Jul;90(7):40,42,44

Pitt School of Medicine celebrates centennial. Davis KK. **Pa Med** 1987 Jul;90(7):37–9

The tides of physiology: departmental histories. **Physiologist** 1986 Oct;29(5 Suppl):1–73

History of Department of Physiology at University of South Florida. Baker CH. **Physiologist** 1986 Oct;29(5 Suppl):34

History of Physiology Department at University of British Columbia. Copp DH. **Physiologist** 1986 Oct;29(5 Suppl):21–6

History of Physiology at Philadelphia College of Osteopathic Medicine. Friedman MH. **Physiologist** 1986 Oct;29(5 Suppl):35–45

History of Physiology Department at University of Florida: 1956–1981. Otis AB. **Physiologist** 1986 Oct;29(5 Suppl):27–33

Brief history of Department of Physiology at State University of New York at Buffalo 1846–1986. Rahn H. **Physiologist** 1986 Oct;29(5 Suppl):1–6

History of Physiology Department at Medical College of Wisconsin: 1921–1985. Smith JJ. **Physiologist** 1986 Oct;29(5 Suppl):63–73

Presentation of the George M. Kober medal to Donald W. Seldin. Rector FC Jr. **Trans Assoc Am Physicians** 1985; 98:cxxxiii–cl

The Jefferson Medical College connection: a letter from Sir William Osler. Wagner FB Jr. **Trans Stud Coll Physicians Phila** 1986 Dec;8(4):277–82

The Yale Plan of Medical Education: the early years. Viseltear AJ. **Yale J Biol Med** 1986 Nov–Dec;59(6):627–48

[100 years' since the founding of the 2d Internal Medicine Clinic of the School of General Medicine at Charles University in Prague. A brief history of the clinic based on the achievements of its chiefs] Boudík F. **Cas Lek Cesk** 1987 Feb 27;126(9):282 **(Cze)**

[The conferring of university degrees, academic titles and ranks by medical schools] Duffek J. **Cas Lek Cesk** 1987 May 29;126(22):693–7 **(Cze)**

[The fate of students and professors of the medical faculty in Brno in relation to the events of 17 November 1939] Rehula M. **Cas Lek Cesk** 1986 Nov 14;125(46):1427–9 **(Cze)**

[The Neuropsychiatry Clinic of the medical school of Comenius University in Bratislava under Dr. M. Křivý. Tichý M, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):264–6 **(Cze)**

[The medical school hospital in Prague, 5–Motol: the past, the present and the future] Veselý M. **Cesk Zdrav** 1986 Sep;34(8–9):381–94 (Eng. Abstr.) **(Cze)**

[75 years since the founding of the Biology Institute at the School of General Medicine at Charles University in Prague] Hlaváčková L. **Sb Lek** 1986 Sep;88(8–9):226–32 **(Cze)**

[The independent teaching of ophthalmology at Prussian universities] Fahrenbach S. **Arch Hist Filoz Med** 1986; 49(3):401–8 **(Ger)**

[The history of the Berlin Pépinière] Rüster D. **Z Arztl Fortbild (Jena)** 1987;81(1):13–8 **(Ger)**

[The Berlin Medico-Surgical University—an education and continuing education facility of the 18th century] Rüster D. **Z Arztl Fortbild (Jena)** 1987;81(1):5–11 **(Ger)**

[The medical tradition in Hannover, founding and development of the Medical School in Hannover and experiences with a differentiated structure in an internal medicine center] Schmidt FW. **Z Gastroenterol [Verh]** 1987 Apr;22:1–7 **(Ger)**

[Polish physicians—alumni of the University of Vienna. V (S–S)] Hanecki M. **Arch Hist Filoz Med** 1986;49(4):495–505 **(Pol)**

[Polish physicians—graduates of the University of Vienna. IV. Letters N–R] Hanecki M. **Arch Hist Filoz Med** 1986; 49(3):335–48 **(Pol)**

[Efforts to create the Lublin Medical Department 1918–1939] Kowieski L. **Arch Hist Filoz Med** 1986;49(4):531–7 (Eng. Abstr.) **(Pol)**

[Reconstruction of 2 departments of Warsaw University: the medical and pharmaceutical departments and the Stomatological Academy after the liberation of Warsaw] Paciorkiewicz M. **Arch Hist Filoz Med** 1986;49(2):197–210 (Eng. Abstr.) **(Pol)**

[Various circumstances in the development of the medical and pharmaceutical departments of the Warsaw University] Sródka A. **Arch Hist Filoz Med** 1986;49(2):155–78 (Eng. Abstr.) **(Pol)**

[Sources and materials regarding the history of the Medical Department of the University of Lwów] Wojtkiewicz-Rok W. **Arch Hist Filoz Med** 1986;49(4):517–29 (Eng. Abstr.) **(Pol)**

[Clandestine medical education in the Wolski Hospital during the German occupation (1939–1944)] Gepner-Woźniewska M. **Pneumonol Pol** 1986 Jul;54(7):294–307 (Eng. Abstr.) **(Pol)**

[35th anniversary of the academic educational and practical scientific activities of the Department of Obstetrics and Gynecology of the Ryazan Pavlov Medical Institute] Utkin VM, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):74–5 **(Rus)**

[50th anniversary of the Department of Pathological Anatomy of the Leningrad Sanitation and Hygiene Medical Institute] Anichkov NM. **Arkh Patol** 1987;49(4):82–6 **(Rus)**

[25th anniversary of the Department of Pathologic Anatomy of the Grodno Medical School] Boĭko IuG. **Arkh Patol** 1986;48(12):69–71 (Eng. Abstr.) **(Rus)**

[Results of the scientific pedagogical activity of the Department of Social Hygiene of the L'vov Medical Institute] Datsenko II, et al. **Gig Sanit** 1987 Mar;(3):39–41 **(Rus)**

[Decembrists and the establishment of scientific-medical schools] Katsnel'bogen AG. **Klin Med (Mosk)** 1986 Nov; 64(11):139–42 **(Rus)**

[Saratov therapists during World War II] Kirillov MM, et al. **Klin Med (Mosk)** 1987 May;65(5):6–9 (Eng. Abstr.) **(Rus)**

[History of the creation of the 1st department and clinic of traumatology and orthopedics in Russia and the USSR] Tkachenko SS. **Ortop Travmatol Protez** 1986 Sep;(9):72–5 **(Rus)**

[Role of the Dnepropetrovsk Medical Institute in the development of higher medical education in the Ukraine] Novitskaia-Usenko LV, et al. **Sov Zdravookhr** 1987;(4):64–8 **(Rus)**

[60th anniversary of the Department of Forensic Medicine of the Smolensk Medical Institute] Khokhlov VV. **Sud Med Ekspert** 1986 Jul–Sep;29(3):59–60 **(Rus)**

[Therapists and scientists of the Central Institute of Physicians Advanced Training—participants in World War II] Meshkov VV, et al. **Ter Arkh** 1986;58(6):112–5 **(Rus)**

[Department of Dermatovenereology of the world's 1st institute for the advanced training of physicians (on the 100th anniversary of its founding)] Samtsov VI. **Vestn Dermatol Venerol** 1986;(9):73–8 **(Rus)**

[150th anniversary of the founding the Department of Advanced-Level Therapy of the S. M. Kirov Military Medical Academy] Petrov NS. **Voen Med Zh** 1986 Aug; (8):78–80 **(Rus)**

[The newspaper "Pravda" on the revolutionary speeches of students at the Military-Medical Academy] Shalaev NF. **Voen Med Zh** 1987 Apr;(4):6–9 **(Rus)**

[Students of the Military Medical Academy—members of the military and combat organization of the Russian Social Democratic Workers' Party (on the 80th anniversary of the 1905–1907 revolution in Russia)] Shalaev NF. **Voen Med Zh** 1986 Oct;(10):71–3 **(Rus)**

[65th anniversary of the Department of Nervous Diseases of the Perm Medical Institute] Shestakov VV. **Zh Nevropatol Psikhiatr** 1987;87(2):280–2 **(Rus)**

[Scientific and technical development in pathology at the Pathology Institute of Comenius University Medical School and Hospital in Bratislava. III. Immunohistochemistry] Brozman M, et al. **Bratisl Lek Listy** 1987 Apr;87(4):476–85 (Eng. Abstr.) **(Slo)**

ORGANIZATION & ADMINISTRATION

Which structure for a department of internal medicine? Vantrappen G. **Acta Clin Belg** 1987;42(2):119–27

Faculty development. An essential consideration in curriculum change. Lanphear JH, et al. **Arch Pathol Lab Med** 1987 May;111(5):487–91

Clinician–educator faculty tracks in U.S. medical schools. Jones RF. **J Med Educ** 1987 May;62(5):444–7

The teaching nursing home: a golden annex to the ivory tower [editorial] Riesenberg D. **JAMA** 1987 Jun 12; 257(22):3119–20

Teaching nursing homes revisited. Survey of affiliations between American medical schools and long-term-care facilities. Schneider EL, et al. **JAMA** 1987 May 22–29; 257(20):2771–5

The selection of medical students [letter] Shepard A. **JAMA** 1987 May 1;257(17):2291–2

Coping with 'loose coupling': the introduction and maintenance of new curricula in medical schools. Grenholm G, et al. **Proc Annu Conf Res Med Educ** 1984; 23:311–6

An inquiry into staffing, organisation and teaching in South African medical schools. Elliot J. **S Afr Med J** 1987 Jun 20;71(12):776–8

[Advanced training courses for department heads] Balmasov AA, et al. **Sov Zdravookhr** 1987;(6):49–52 **(Rus)**

STANDARDS

Mental illness in medical students. A problem the profession must face. Weedon D. **Am J Dermatopathol** 1986 Dec; 8(6):529–30

Reapplicants to U.S. medical schools, 1983 through 1986. Jolly P. **J Med Educ** 1987 Apr;62(4):357–9

Striving for excellence in medical education [editorial] Page G. **J Med Educ** 1987 Sep;62(9):775–6

Exploring the relationship of entry and performance data to NBME Part I examination scores for use in decision making. Haf JJ. **Proc Annu Conf Res Med Educ** 1986; 25:115–20

Programmatic and institutional quality analysis: the perspective of the alumni. O'Reilly R, et al. **Proc Annu Conf Res Med Educ** 1986;25:95–100

[Improving the qualifications of lecturers on phthisiology in medical schools at the I.M. Sechenov I Medical Institute in Moscow] Koriakin VA, et al. **Probl Tuberk** 1987;(6):11–4 (Eng. Abstr.) **(Rus)**

TRENDS

Academia—an endangered species. Marchant DJ. **Am J Obstet Gynecol** 1987 Jan;156(1):185–92

SCHOOLS, NURSERY

Head Start as a social support for mothers: the psychological benefits of involvement. Parker FL, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):220–33

Cytomegalovirus infection in day nurseries. Nelson DB, et al. **Arch Dis Child** 1987 Apr;62(4):329–32

Infections in day care. Pickering LK. **Pediatr Infect Dis J** 1987 Jun;6(6):614–7 (34 ref.)

[Accidents in nursery schools. From the anxiety of the teachers to the risk to pre-school-age children] Fortin J. **Ann Pediatr (Paris)** 1987 Mar;34(3):227–32 (Eng. Abstr.) **(Fre)**

[Evaluation of a nutritional education program in nursery schools] Locard E, et al. **Arch Fr Pediatr** 1987 Mar; 44(3):205–9 (Eng. Abstr.) **(Fre)**

[Value of the detection of visual disorders in nursery schools] Borot JP, et al. **Bull Soc Ophtalmol Fr** 1985 Oct; 85(10):1041–4, 1047–8, 1050 (Eng. Abstr.) **(Fre)**

STANDARDS

[The degree of a child's readiness for school as an instrumental factor in the progress in education and health promotion of elementary schoolchildren] Nikolosian GG, et al. **Gig Sanit** 1987 Jun;(6):12–5 (Eng. Abstr.) **(Rus)**

SCHOOLS, NURSING

Applying to graduate school. Williams RA. **Am J Nurs** 1987 Apr;87(4):517–20

Nursing research centers: a survey of their prevalence, functions and school characteristics. Dienemann J. **Int J Nurs Stud** 1987;24(1):35–44

The view from the professional schools: nursing. Krauss JB. **J Dent Educ** 1987 Mar;51(3):160–2

Institutional goal analysis: an approach to program evaluation. Linc LG. **J Nurs Educ** 1987 Apr;26(4):172–5

Recruitment strategy for increasing minority enrollment in nursing and other professional schools. Walker ML. **J Nurs Educ** 1987 Apr;26(4):169–71

Mechanisms for evaluating a nursing research center: resource use, costs, and research productivity. Clinton J, et al. **J Prof Nurs** 1987 Jan–Feb;3(1):13–9

A research center in a college of nursing: what is it? Felton G. **J Prof Nurs** 1985 Nov–Dec;1(6):325, 385

The dean's research support function and minimizing "performance gap" Felton G. **J Prof Nurs** 1985 May–Jun; 1(3):125

Variables influencing administrative evaluation of nursing deans and directors in public and private institutions. Hodges LC, et al. **J Prof Nurs** 1987 Mar–Apr;3(2):102–9

A case study in collaboration. Kleine-Kracht AE, et al. **J Prof Nurs** 1987 Mar–Apr;3(2):110–3

Research facilitation in academic and practice settings. McArt EW. **J Prof Nurs** 1987 Mar–Apr;3(2):84–91

An exploratory study of schools of nursing that assume patient care responsibilities. Maurin JT. **J Prof Nurs** 1986 Nov–Dec;2(6):358–64
Nursing deans in small, liberal arts colleges and universities: roles, challenges, and opportunities. Moore PS, et al. **J Prof Nurs** 1987 Jan–Feb;3(1):20–7
Classics from our heritage. The nature of the university or college and the mission of the school of nursing. Mullane MK. **J Prof Nurs** 1985 Sep–Oct;1(5):315–6
Clinical teaching associate model: implementation in a community hospital setting. Phillips SJ, et al. **J Prof Nurs** 1987 May–Jun;3(3):165–75
The development of graduate programs in nursing at small private colleges. Wuthnow S, et al. **J Prof Nurs** 1987 May–Jun;3(3):148–54

ECONOMICS

Endowed chairs in nursing: state of the art. Fitzpatrick JJ. **J Prof Nurs** 1985 May–Jun;1(3):145–7
The fiscal status of nursing education programs in the United States. Gunne GM. **J Prof Nurs** 1985 Nov–Dec;1(6):336–47

HISTORY

The Queen's Nursing Institute: 1887–1987. Smith JP. **J Adv Nurs** 1987 May;12(3):265–6

ORGANIZATION & ADMINISTRATION

Faculty perceptions of organizational climate and expressed job satisfaction in selected baccalaureate schools of nursing. Donohue JD. **J Prof Nurs** 1986 Nov–Dec;2(6):373–9
An argument for the preparation of academic administrators by nursing. Ezell A, et al. **J Prof Nurs** 1985 May–Jun; 1(3):156–63
Research in nursing education administration: state of the art. Miller PG, et al. **J Prof Nurs** 1987 May–Jun;3(3):143–7
Generic baccalaureate nursing programs: survey of enrollment, administrative structure/funding, faculty teaching/practice roles, and selected curriculum trends. Redman BK, et al. **J Prof Nurs** 1985 Nov–Dec;1(6):369–80
Generic baccalaureate nursing programs: description of administrative structure and student recruitment practices. Redman BK, et al. **J Prof Nurs** 1985 May–Jun;1(3):172–81
An educators' consortium. Blyler J, et al. **Nurs Outlook** 1987 Jan–Feb;35(1):38
An experiment in nursing revisited. Fitzpatrick JJ, et al. **Nurs Outlook** 1987 Jan–Feb;35(1):29–33
The politics of faculty practice: the dean's role. Langford TL. **Nurs Outlook** 1987 Jul–Aug;35(4):178–81
A FLU system to equalize faculty assignments in a school of nursing. Holt FM. **West J Nurs Res** 1986 Aug; 8(3):365–73

STANDARDS

Top Ranked Schools of Nursing: the role of the dean. Pollock SE. **J Nurs Educ** 1986 Oct;25(8):314–8

SCHOOLS, PHARMACY

HISTORY

[The history of pharmaceutical science. 25. The development of pharmacy at the University of Greifswald between 1903 and 1968. 5. Pharmacy research profile in Greifswald] Friedrich C, et al. **Pharmazie** 1987 Feb;42(2):122–6 **(Ger)**
[Reconstruction of 2 departments of Warsaw University: the medical and pharmaceutical departments and the Stomatological Academy after the liberation of Warsaw] Paciorkiewicz M. **Arch Hist Filoz Med** 1986;49(2):197–210 (Eng. Abstr.) **(Pol)**
[History of the development of academic pharmacy education in Warsaw 1809–1950] Pietura A. **Arch Hist Filoz Med** 1986;49(2):179–96 (Eng. Abstr.) **(Pol)**
[Various circumstances in the development of the medical and pharmaceutical departments of the Warsaw University] Sródka A. **Arch Hist Filoz Med** 1986;49(2):155–78 (Eng. Abstr.) **(Pol)**

SCHOOLS, PUBLIC HEALTH

A view from the professional schools: public health. Gemmell MK. **J Dent Educ** 1987 Mar;51(3):162–4

SCHOOLS, VETERINARY

Chairs in veterinary clinical studies [letter] **Vet Rec** 1986 Sep 27;119(13):337
Chairs in veterinary clinical studies [letter] **Vet Rec** 1986 Oct 18;119(16):410–1

ORGANIZATION & ADMINISTRATION

Veterinary education in China. English PB, et al. **Aust Vet J** 1987 Jun;64(6):180–3
[Developments in relation to the Foundation V–Data] Plaisier AJ. **Tijdschr Diergeneeskd** 1986 Oct 15; 111(20):1019–21 **(Dut)**

SCHUELLER–CHRISTIAN DISEASE see **HAND–SCHUELLER–CHRISTIAN SYNDROME**

SCHWALBE'S NUCLEUS see **VESTIBULAR NUCLEI**

SCHWANN CELLS

ANALYSIS

Use of a biotinylated probe and in situ hybridization for light and electron microscopic localization of Po mRNA in myelin–forming Schwann cells. Webster HF, et al. **Histochemistry** 1987;86(5):441–4
S–100 protein expression in satellite and Schwann cells in neuroblastoma. An immunohistochemical and ultrastructural study. Pelc S, et al. **Virchows Arch [B]** 1986; 51(6):487–95

CYTOLOGY

Schwann cell proliferation in vitro. An overview. Ratner N, et al. **Ann NY Acad Sci** 1986;486:170–81
Human Schwann cells: cytochemical, ultrastructural and immunological studies in vivo and in vitro. Scarpini E, et al. **Basic Appl Histochem** 1987;31(1):33–42
S–100 protein in Schwann cells of the developing human peripheral nerve. An immunohistochemical study. Shearman JD, et al. **Cell Tissue Res** 1987 Aug;249(2):459–63
Schwann cell differentiation in vitro: extracellular matrix deposition and interaction. Baron–Van Evercooren A, et al. **Dev Neurosci** 1986;8(3):182–96
Effects of inhibition of proteoglycan synthesis on the differentiation of cultured rat Schwann cells. Carey DJ, et al. **J Cell Biol** 1987 Aug;105(2):1013–21
Differentiation of axon–related Schwann cells in vitro. I. Ascorbic acid regulates basal lamina assembly and myelin formation. Eldridge CF, et al. **J Cell Biol** 1987 Aug; 105(2):1023–34
Developmental changes in myelin–induced proliferation of cultured Schwann cells. Yoshino JE, et al. **J Cell Biol** 1987 Mar;104(3):655–60
Growth of axons into developing muscles of the chick forelimb is preceded by cells that stain with Schwann cell antibodies. Noakes PG, et al. **J Comp Neurol** 1987 May 15;259(3):330–47
Effect of lithium on Schwann cell proliferation stimulated by axolemma– and myelin–enriched fractions. Yoshino JE, et al. **J Neurochem** 1987 Apr;48(4):1270–7
Schwann cell proliferation and migration during paranodal demyelination. Griffin JW, et al. **J Neurosci** 1987 Mar; 7(3):682–99
Selective growth of rat Schwann cells in neuron– and serum–free primary culture. Needham LK, et al. **J Neurosci** 1987 Jan;7(1):1–9
An automated method for autoradiographic analysis of cultured Schwann cells. Baichwal RR, et al. **J Neurosci Methods** 1987 Aug;20(4):295–305
Schwann cell remyelination of CNS axons following injection of cultures of CNS cells into areas of persistent demyelination. Blakemore WF, et al. **Neurosci Lett** 1987 Jun 1;77(1):20–4
Rat Schwann cell remyelination of demyelinated cat CNS axons: evidence that injection of cell suspensions of CNS tissue results in Schwann cell remyelination. Blakemore WF, et al. **Neurosci Lett** 1987 Jun 1;77(1):15–9

DRUG EFFECTS

Effect of dimethyl sulfoxide on transformed rat Schwann cells. Sutrina SL, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):451–62
Schwann cell galactocerebroside of unmyelinated fibers is inducible by derivatives of adenosine 3',5'–monophosphate. Sobue G, et al. **Neurosci Lett** 1986 Dec 23;72(3):253–7

ENZYMOLOGY

Histochemical evidence for the presence of dipeptidylpeptidase IV in the Schwann cells of skin unmyelinated axons. Dubový P. **Experientia** 1987 Aug 15; 43(8):883–4
The distribution of (Na+ + K+)ATPase is continuous along the axolemma of unensheathed axons from spinal roots of 'dystrophic' mice. Ariyasu RG, et al. **J Neurocytol** 1987 Apr;16(2):239–48

IMMUNOLOGY

Cytotoxic response of serum from patients with chronic inflammatory demyelinating polyradiculoneuropathy (CIDP). Armati PJ, et al. **Acta Neurol Scand** 1987 Jul; 76(1):24–7
Expression of melanoma–associated antigens by normal and neurofibroma Schwann cells. Ross AH, et al. **Cancer Res** 1986 Nov;46(11):5887–92
Regulation of neural cell adhesion molecule expression on cultured mouse Schwann cells by nerve growth factor. Seilheimer B, et al. **EMBO J** 1987 Jun;6(6):1611–6
Antigen presentation in the peripheral nervous system: Schwann cells present endogenous myelin autoantigens to lymphocytes. Wekerle H, et al. **Eur J Immunol** 1986 Dec; 16(12):1551–7
Gamma interferon, but not Mycobacterium leprae, induces major histocompatibility class II antigens on cultured rat Schwann cells. Samuel NM, et al. **J Neurocytol** 1987 Apr; 16(2):281–7
Schwann cell expression of HLA–DR antigen in peripheral neuropathies [letter] Cadoni A, et al. **Lancet** 1986 Nov 29; 2(8518):1281–2

METABOLISM

Basement membrane proteins produced by Schwann cells and in neurofibromatosis. Dziadek M, et al. **Ann NY Acad Sci** 1986;486:248–59
Rat astrocytes and Schwann cells in culture synthesize nerve growth factor–like neurite–promoting factors. Assouline JG, et al. **Brain Res** 1987 Jan;428(1):103–18
Biosynthesis of myelin–associated proteins in simian virus 40 (SV40)–transformed rat Schwann cell lines. Chen GL, et al. **Brain Res** 1987 Jun 23;414(1):35–48
Characterization of rat schwannoma–Schwann cell hybrids. Kreider BQ, et al. **Brain Res** 1986 Nov 12;397(2):238–44
Trembler mouse Schwann cells in culture: anomalies in the synthesis of lipids and proteins. White FV, et al. **Brain Res** 1986 Aug 27;381(1):85–92
Lysosomal delivery of the major myelin glycoprotein in the absence of myelin assembly: posttranslational regulation of the level of expression by Schwann cells. Brunden KR, et al. **J Cell Biol** 1987 Mar;104(3):661–9
Localization of phospholipid synthesis to Schwann cells and axons. Gould RM, et al. **J Neurochem** 1987 Apr; 48(4):1121–31
Inhibition of the interaction of mycobacteria with Schwann cells by antimycobacterial antibodies. Band H, et al. **J Neuroimmunol** 1987 Mar;14(2):235–9

MICROBIOLOGY

Host–parasite interrelationship between M. leprae and Schwann cells in vitro. Mukherjee R, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):632–8
Adherence of Mycobacterium leprae to Schwann cells in vitro. Itty BM, et al. **J Med Microbiol** 1986 Nov; 22(3):277–82
Affinity of Mycobacterium leprae with Lewis rat Schwannoma cell line (Lewis TC 98). Maeda M, et al. **Lepr Rev** 1987 Mar;58(1):39–51

PATHOLOGY

Proliferation of Schwann cells in demyelinated rat sciatic nerve. Saida K, et al. **Acta Neuropathol (Berl)** 1986; 71(3–4):251–8
Schwann–like cells cultured from human dermal neurofibromas. Immunohistological identification and response to Schwann cell mitogens. Pleasure D, et al. **Ann NY Acad Sci** 1986;486:227–40
Schwann cells divide in a demyelinating lesion of the central nervous system. Harrison BM. **Brain Res** 1987 Apr 14; 409(1):163–8
Progressive axonopathy: an inherited neuropathy of boxer dogs. 4. Myelin sheath and Schwann cell changes in the nerve roots. Griffiths IR, et al. **J Neurocytol** 1987 Apr; 16(2):145–53
An unusual case of childhood paraplegia [clinical conference] Siejka SJ, et al. **Med J Aust** 1987 Feb 2;146(3):142–4
Degenerative changes in rat intraspinal Schwann cells following tellurium intoxication. Hammang JP, et al. **Neuropathol Appl Neurobiol** 1986 Jul–Aug;12(4):359–70

PHYSIOLOGY

Linkage between Schwann cell extracellular matrix production and ensheathment function. Bunge MB, et al. **Ann NY Acad Sci** 1986;486:241–7
The biology of non–myelin–forming Schwann cells. Mirsky R, et al. **Ann NY Acad Sci** 1986;486:132–46
Schwann cell myelination in a chemically defined medium: demonstration of a requirement for additives that promote Schwann cell extracellular matrix formation. Carey DJ, et al. **Brain Res** 1987 Mar;429(1):95–102
The growth of motoneurones and their neurites in relation to Schwann cells harvested from sciatic nerve. Hill MA. **Brain Res** 1987 Jun;430(2):243–53
Basal laminae and Meissner corpuscle regeneration. Ide C. **Brain Res** 1986 Oct 8;384(2):311–22
Neuronal growth factors produced by adult peripheral nerve after injury. Windebank AJ, et al. **Brain Res** 1986 Oct 15; 385(1):197–200
Slow pulsatile movements of Schwann cells in vitro: a time–lapse cinemicrographic study. Forman DS, et al. **Cell Motil Cytoskeleton** 1986;6(6):595–603
Collagen synthesis in axotomized peripheral nerve: evidence against Schwann cell involvement. Eather TF, et al. **Exp Neurol** 1987 Apr;96(1):214–8
Nerve transplantation shows that motor end–plate disease is not a primary Schwann cell defect. Füchtbauer EM. **Exp Neurol** 1987 Jul;97(1):135–42
Effects of delayed myelination by oligodendrocytes and Schwann cells on the macromolecular structure of axonal membrane in rat spinal cord. Black JA, et al. **J Neurocytol** 1986 Dec;15(6):745–61
Effect of macrophage activators on the phagocytosis of mycobacteria by Schwann cells. Band H, et al. **J Neuroimmunol** 1986 Nov;13(1):109–13
Schwann cells stimulated to proliferate in the absence of neurons retain full functional capability. Porter S, et al. **J Neurosci** 1986 Oct;6(10):3070–8
Peptidergic modulation of the membrane potential of the Schwann cell of the squid giant nerve fibre. Evans PD, et al. **J Physiol (Lond)** 1986 Oct;379:61–82

The effect of inhibiting Schwann cell mitosis on the re-innervation of acellular autografts in the peripheral nervous system of the mouse. Hall SM.
Neuropathol Appl Neurobiol 1986 Jul-Aug;12(4):401-14
Tissue culture studies of interactions between axons and myelinating cells of the central and peripheral nervous system. Bunge RP, et al. **Prog Brain Res** 1987;71:143-52

TRANSPLANTATION

The interaction of Schwann cells with CNS axons in regions containing normal astrocytes. Blakemore WF, et al.
Acta Neuropathol (Berl) 1986;71(3-4):295-300

ULTRASTRUCTURE

Frequency of accumulation of filaments in adaxonal cytoplasm of Schwann cells of myelinated fibers of rat spinal roots. Comparison between ventral and dorsal roots and between growing and mature rats. Ohnishi A, et al.
Acta Neuropathol (Berl) 1986;72(2):200-2
A freeze-fracture study of receptor axons and Schwann cells in the human olfactory mucosa. Köling A, et al.
Acta Otolaryngol (Stockh) 1986 Nov-Dec;102(5-6):494-9
An electron microscope study of quantitative relationships between axon and Schwann cell sheath in myelinated fibres of peripheral nerves. Pannese E, et al.
Anat Embryol (Berl) 1987;175(4):423-30
Observations on the migratory behaviour of Schwann cells from adult peripheral nerve explant cultures. Crang AJ, et al. **J Neurocytol** 1987 Jun;16(3):423-31
Freeze-fracture studies on the giant axon and ensheathing Schwann cells of the squid. Villegas GM, et al.
J Neurocytol 1987 Feb;16(1):11-21
Macromolecular structure of the Schwann cell membrane. Perinodal microvilli. Waxman SG, et al. **J Neurol Sci** 1987 Jan;77(1):23-34
Distribution of L-fucose residues in the axon-myelin-Schwann cell complex. Dolapchieva S, et al.
Z Mikrosk Anat Forsch 1986;100(5):739-44

SCHWARTZ-BARTTER SYNDROME see **INAPPROPRIATE ADH SYNDROME**

SCHWARTZ-JAMPEL SYNDROME see **OSTEOCHONDRODYSPLASIAS**

SCIATIC NERVE

Electrophysiological effect of HeNe laser on normal and injured sciatic nerve in the rat. Rochkind S, et al.
Acta Neurochir (Wien) 1986;83(3-4):125-30
Endometriosis in the uterosacral ligament giving orthopedic symptoms through compression of the sciatic nerve and surgically treated via an extraperitoneal approach keeping the pelvic organs intact. Bergqvist A, et al.
Acta Obstet Gynecol Scand 1987;66(1):93-4
Use of a low-power nerve stimulator during sciatic nerve block. Smith BE, et al. **Anaesthesia** 1987 Mar;42(3):296-8
Intraneural lipoma of the sciatic nerve. Chiao HC, et al.
Clin Orthop 1987 Aug;(221):267-71
Sciatic nerve palsy complicating umbilical arterial catheterization. Fok TF, et al. **Eur J Pediatr** 1986 Sep; 145(4):308-9
Experimental study of chronic nerve compression. Clinical implications. Mackinnon SE, et al. **Hand Clin** 1986 Nov; 2(4):639-50
Piriformis syndrome: pathogenesis, diagnosis, and treatment. Steiner C, et al. **J Am Osteopath Assoc** 1987 Apr; 87(4):318-23
Sciatica from a sciatic neurilemoma. A case report and review of the literature. Prusick VR, et al.
J Bone Joint Surg [Am] 1986 Dec;68(9):1456-7 (11 ref.)
Previously undescribed cause of sciatica [letter] Kolesar T.
Lancet 1987 Sep 12;2(8559):629
Sciatic endometriosis: a treatable sensorimotor mononeuropathy. Salazar-Grueso E, et al. **Neurology** 1986 Oct;36(10):1360-3
[Sciatic nerve block by the anterior approach in surgery of the legs] Racle JP, et al. **Ann Fr Anesth Reanim** 1986; 5(5):486-9 (Eng. Abstr.) **(Fre)**
[Diagnostic difficulties posed by a benign solitary neurinoma of the popliteal fossa. Apropos of 4 cases] Biga N, et al.
Rev Rhum Mal Osteoartic 1987 May;54(5):435-6 **(Fre)**
[Ultrastructural aspects of plexiform neurofibromas: contribution to the histogenetic theories] Sacchettoni Logroscino G, et al. **Pathologica** 1986 Jul-Aug; 78(1056):489-98 (Eng. Abstr.) **(Ita)**

ANALYSIS

Substance P and somatostatin content and transport in vagus and sciatic nerves of the streptozocin-induced diabetic rat. MacLean DB. **Diabetes** 1987 Mar;36(3):390-5
Electrophoretic analysis of proteins of muscle, nerve and ganglion from the frog (Rana hexadactyla) and the cockroach (Periplaneta americana). Kumari PG, et al.
Indian J Exp Biol 1987 Jan;25(1):33-7
Vitamin E concentrations in different regions of the spinal cord and sciatic nerve of the rat. Vatassery GT, et al.
Neurochem Res 1986 Oct;11(10):1419-24

ANATOMY & HISTOLOGY

Topography of the sciatic nerve's fibres in regard of clinical use. Fenzl G, et al. **Anat Anz** 1987;163(2):107-10
Innervation of the biceps femoris muscle in human fetuses. Klak A. **Folia Morphol (Warsz)** 1986;45(2):119-28
Transport of endogenous nerve growth factor in the proximal stump of sectioned nerves. Abrahamson IK, et al.
J Neurocytol 1987 Jun;16(3):417-22
Observations on the migratory behaviour of Schwann cells from adult peripheral nerve explant cultures. Crang AJ, et al. **J Neurocytol** 1987 Jun;16(3):423-31
The response of regenerating peripheral neurites to a grafted optic nerve. Hall SM, et al. **J Neurocytol** 1987 Jun; 16(3):317-31
Node of Ranvier formation along fibres regenerating through silicone tube implants: a freeze-fracture and thin-section electron microscopic study. Le Beau JM, et al.
J Neurocytol 1987 Jun;16(3):347-58
Distribution of L-fucose residues in the axon-myelin-Schwann cell complex. Dolapchieva S, et al.
Z Mikrosk Anat Forsch 1986;100(5):739-44

BLOOD SUPPLY

Peripheral nerve as an osmometer: role of endoneurial capillaries in frog sciatic nerve. Odman S, et al.
Am J Physiol 1987 Mar;252(3 Pt 1):C335-41
Regional sciatic nerve and muscle blood flow in conscious and anesthetized rats. Sugimoto H, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):H1211-6
Regional sciatic nerve blood flow response to limb movement. Sugimoto H, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):H439-41
Elevated regional sciatic nerve blood flow in hypothermic anesthetized rats. Sugimoto H, et al. **Exp Neurol** 1987 Aug; 97(2):383-90

CYTOLOGY

Lipoprotein uptake by neuronal growth cones in vitro. Ignatius MJ, et al. **Science** 1987 May 22;236(4804):959-62

DRUG EFFECTS

Effects of repeated bupivacaine administration on sciatic nerve and surrounding muscle tissue in rats. Kyttä J, et al. **Acta Anaesthesiol Scand** 1986 Nov;30(8):625-9
Nerve regeneration chamber: evaluation of exogenous agents applied by multiple injections. Müller H, et al.
Brain Res 1987 Jun 16;413(2):320-6
Effect of repetitive lidocaine infusion on peripheral nerve. Kroin JS, et al. **Exp Neurol** 1986 Oct;94(1):166-73
Structure/nerve membrane effect relationships of some local anaesthetics. Tripşa M, et al. **Gen Physiol Biophys** 1986 Aug;5(4):371-6
Experimental studies of the effect of bupivacaine on peripheral nerves. Helm RH, et al. **J Hand Surg [Br]** 1987 Feb;12(1):19-22
An electron microscopic study of endrin induced alterations in unmyelinated fibers of mouse sciatic nerve. Walker JJ, et al. **Neurotoxicology** 1987 Spring;8(1):55-63
Autotomy in rats after nerve section compared with nerve degeneration following intraneural injection of Ricinus communis agglutinin I. Wiesenfeld-Hallin Z, et al. **Pain** 1987 Jul;30(1):93-102
Effect of topical beta APN application on evoked potential conduction in rat sciatic nerve and spinal cord. Gunasekaran S, et al. **Surg Neurol** 1987 Sep;28(3):201-7

ENZYMOLOGY

Ornithine decarboxylase activity in dorsal root ganglia of regenerating frog sciatic nerve. Kanje M, et al.
Brain Res 1986 Aug 27;381(1):24-8
Sciatic nerve ATPase activity is unaffected in diabetic mutant C57Bl/Ks (db/db) mice. Bianchi R, et al. **Diabetes** 1987 Sep;36(9):1082-5
Aldose reductase in the BB rat: isolation, immunological identification and localization in the retina and peripheral nerve. Chakrabarti S, et al. **Diabetologia** 1987 Apr; 30(4):244-51
Opposite effects of diabetes and galactosaemia on adenosine triphosphatase activity in rat nervous tissue. Lambourne JE, et al. **Diabetologia** 1987 May;30(5):360-2
Two-site immunoassay for acetylcholinesterase in brain, nerve, and muscle. Brimijoin S, et al. **J Neurochem** 1987 Aug;49(2):555-62
Quantification of rat sciatic nerve (Na+,K+)-ATPase by measurements of [3H]ouabain binding in intact nerve samples. Kjeldsen K, et al. **J Neurol Sci** 1987 Jun; 79(1-2):205-19
Effect of axotomy on cholinergic enzyme activities in the spinal cord and sciatic nerve of the dog. Malatová Z, et al. **Physiol Bohemoslov** 1987;36(2):153-60
Adipsin: a circulating serine protease homolog secreted by adipose tissue and sciatic nerve. Cook KS, et al.
Science 1987 Jul 24;237(4813):402-5

GROWTH & DEVELOPMENT

Age changes in sciatic nerve of rat: a morphometric study. Gerli R, et al. **Boll Soc Ital Biol Sper** 1986 May 30; 62(5):619-27
Immunoelectron microscopic localization of neural cell adhesion molecules (L1, N-CAM, and MAG) and their shared carbohydrate epitope and myelin basic protein in developing sciatic nerve. Martini R, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2439-48
Myelin-associated glycoprotein in the central and peripheral nervous system of quaking mice. Inuzuka T, et al.
J Neurochem 1987 Aug;49(2):597-602
Regulation of specific neuronal and nonneuronal proteins during development and following injury in the rat central nervous system. Snipes GJ, et al. **Prog Brain Res** 1987; 71:155-75

IMMUNOLOGY

T cell subsets and Ia-positive cells in the sciatic nerve during the course of experimental allergic neuritis. Ota K, et al.
J Neuroimmunol 1987 Jan;13(3):283-92

INJURIES

Contributory factors and etiology of sciatic nerve palsy in total hip arthroplasty. Edwards BN, et al. **Clin Orthop** 1987 May;(218):136-41
The macrophage response to central and peripheral nerve injury. A possible role for macrophages in regeneration. Perry VH, et al. **J Exp Med** 1987 Apr 1;165(4):1218-23
Beware the sciatic nerve [letter] Durtnell RE. **Vet Rec** 1987 Apr 4;120(14):350
[A method of detecting the ends of regenerating axons in experimental nerve injury] Laskov VB, et al.
Patol Fiziol Eksp Ter 1986 Nov-Dec;(6):79 **(Rus)**

METABOLISM

Local PO2 and O2-consumption in the isolated sciatic nerve. Kunze K. **Adv Exp Med Biol** 1973;37A:271-6
Rapid axoplasmic transport of insulin-like growth factor I in the sciatic nerve of adult rats. Hansson HA, et al.
Cell Tissue Res 1987 Feb;247(2):241-7
Cellular localization of nerve growth factor synthesis by in situ hybridization. Bandtlow CE, et al. **EMBO J** 1987 Apr; 6(4):891-9
Structure-linked latency of muscarinic receptors in axonal transport. Laduron PM, et al. **FEBS Lett** 1986 Sep 29; 206(1):83-6
Changes of nerve growth factor synthesis in nonneuronal cells in response to sciatic nerve transection. Heumann R, et al. **J Cell Biol** 1987 Jun;104(6):1623-31
Parvalbumin is reduced in the peripheral nerves of diabetic rats. Endo T, et al. **J Clin Invest** 1986 Nov;78(5):1161-4
The contribution of cholinergic enzymes and acetylcholine from the lumbar sympathetic chain to the rat sciatic nerve. Bööj S, et al. **J Neural Transm** 1986;67(3-4):163-74
Posttranslational protein modification by polyamines in intact and regenerating nerves. Chakraborty G, et al.
J Neurochem 1987 Mar;48(3):669-75
Phospholipid metabolism in mouse sciatic nerve in vivo. Gould RM, et al. **J Neurochem** 1987 Mar;48(3):853-9
Localization of phospholipid synthesis to Schwann cells and axons. Gould RM, et al. **J Neurochem** 1987 Apr; 48(4):1121-31
Axonal transport characteristics of gangliosides in sensory axons of rat sciatic nerve. Harry GJ, et al.
J Neurochem 1987 May;48(5):1529-36
A ganglioside species (GD1 alpha) migrates at a slow rate and CMP-sialic acid severalfold faster in Xenopus sciatic nerve: fluorographic demonstration. Igarashi M, et al.
J Neurochem 1986 Dec;47(6):1720-7
Destinations of some fast-transported proteins in sensory neurons of bullfrog sciatic nerve. Rulli RD, et al.
J Neurochem 1987 Jan;48(1):134-40
Slow recovery of the fatty acid composition of sciatic nerve in rats fed a diet initially low in n-3 fatty acids. Bourre JM, et al. **Lipids** 1987 Jul;22(7):535-8
Structural protein transport in elongating motor axons after sciatic nerve crush. Effect of a conditioning lesion. McQuarrie IG. **Neurochem Pathol** 1986 Dec;5(3):153-64
Sciatic nerve protein composition in normal and dystrophic C57BL/6J mice. Davis HL. **Neurosci Lett** 1987 Mar 20; 75(1):95-100
Axonal transport of the synaptic vesicle monoamine carrier identified by [3H]dihydrotetrabenazine binding in rat sciatic nerve. Scherman D, et al. **Neurosci Lett** 1987 Jun 15; 77(2):231-6
Macrophages in the peripheral nervous system and astroglia in the central nervous system of rat commonly express apolipoprotein E during development but differ in their response to injury. Stoll G, et al. **Neurosci Lett** 1986 Dec 23;72(3):233-8
Hematopoietic cell transplantation in murine globoid cell leukodystrophy (the twitcher mouse): effects on levels of galactosylceramidase, psychosine, and galactocerebrosides. Ichioka T, et al. **Proc Natl Acad Sci USA** 1987 Jun; 84(12):4259-63

PATHOLOGY

Sciatic nerve in experimental leprosy. Vaishnavi C, et al.
Indian J Lepr 1986 Jul-Sep;58(3):373-6
Sciatica caused by perifibrosis of the sciatic nerve. Merrild U, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):706
Demyelination in vivo by Guillain-Barré syndrome and other human serum. Brown MJ, et al. **Muscle Nerve** 1987 Mar-Apr;10(3):263-71
T-lymphocyte subsets, functional deficits, and morphology in sciatic nerves during experimental allergic neuritis. Strigård K, et al. **Muscle Nerve** 1987 May;10(4):329-37

PHYSIOLOGY

Regeneration of transected sciatic nerves through semi-permeable nerve guidance channels. Effects of extracellular matrix protein additives. Aebischer P, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):474-7

Effects of some chemical reagents on sodium current inactivation in myelinated nerve fibers of the frog. Rack M, et al. **Biophys J** 1986 Oct;50(4):557-64

Optical recording of action potential propagation in demyelinated frog nerve. Shrager P, et al. **Biophys J** 1987 Feb;51(2):351-5

Electrophysiological study of conditioning lesion effect on rat sciatic nerve regeneration following either prior section or freeze. I. Intensity and time course. Bondoux-Jahan M, et al. **Brain Res** 1986 Sep 10;382(1):39-45

Application of weak electric field to the hindpaw enhances sciatic motor nerve regeneration in the adult rat. McDevitt L, et al. **Brain Res** 1987 Jul 28;416(2):308-14

Saphenous has weak ineffective synapses in sciatic territory of rat spinal cord: electrical stimulation of the saphenous or application of drugs reveal these somatotopically inappropriate synapses. Markus H, et al. **Brain Res** 1987 Jul 28;416(2):315-21

Effect of capsaicin upon afferent and efferent mechanisms of nociception and temperature regulation in birds. Sann H, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1347-54

Transganglionic degenerative atrophy in the substantia gelatinosa of the spinal cord after peripheral nerve transection in rhesus monkeys. Knyihár-Csillik E, et al. **Cell Tissue Res** 1987 Mar;247(3):599-604

Nerve and muscle regeneration after axonal division in rats treated with isaxonine phosphate (isopropylamino-2-pyrimidine phosphate). Becker CM, et al. **Eur Surg Res** 1986;18(6):383-9

Rat sciatic nerve regeneration in semipermeable artificial tubes. Hurtado H, et al. **Exp Neurol** 1987 Sep;97(3):751-7

Pneumatic tourniquet application and nerve integrity: motor function and electrophysiology. Nitz AJ, et al. **Exp Neurol** 1986 Nov;94(2):264-79

Regeneration of the sciatic nerve in rats. The effect of muscle basement membrane. Glasby MA, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):829-33

Rapid voltage-dependent dissociation of scorpion alpha-toxins coupled to Na channel inactivation in amphibian myelinated nerves. Strichartz GR, et al. **J Gen Physiol** 1986 Sep;88(3):413-35

Changes in composition of endoneurial and perineurial fatty acids during glycerol-induced Wallerian degeneration and regeneration in the sciatic nerve of the adult rat. Fressinaud C, et al. **J Neurochem** 1987 Sep;49(3):797-801

Rapid anterograde spread of premitotic activity along degenerating cat sciatic nerve. Oaklander AL, et al. **J Neurochem** 1987 Jan;48(1):111-4

A twitch tension method to assess motor nerve function in rat. Kerns JM, et al. **J Neurosci Methods** 1987 Apr; 19(4):259-66

Peripheral nerve regeneration: an experimental study. Janecka IP. **Laryngoscope** 1987 Aug;97(8 Pt 1):942-50

Pharmacological aspects of the influence of melanocortins on the formation of regenerative peripheral nerve sprouts. Verhaagen J, et al. **Peptides** 1987 Jul-Aug;8(4):581-4

Neurofilament gene expression: a major determinant of axonal caliber. Hoffman PN, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3472-6

Tissue specificity in nerve regeneration. Lundborg G, et al. **Scand J Plast Reconstr Surg** 1986;20(3):279-83

A computer-aided analysis of the effect of peripheral nerve transection on TMPase activity of substantia gelatinosa Rolandi. Bezzegh A, et al. **Z Mikrosk Anat Forsch** 1986; 100(3):428-32

Dynamism of transganglionic degenerative atrophy following crush injury to the peripheral nerve. Ferencsik M. **Z Mikrosk Anat Forsch** 1986;100(3):490-9

[Effect of Ca2+ on microtubules and axoplasmic transport in the sciatic nerve in vivo] Gan SD, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):204-7 (Eng. Abstr.) **(Chi)**

[Studies of electrophysiological and morphological changes in the rabbit sciatic nerve under various types of stretch and relaxation] Yamada H. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):217-31 (Eng. Abstr.) **(Jpn)**

[Permeability of the hemato-encephalic barrier and the sciatic nerve hemato-neuronal barrier to serum proteins in the guinea pig] Gorban' VA. **Fiziol Zh** 1987 Mar-Apr; 33(2):39-44 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Triplicate post-traumatic sciatic nerve palsy: evoked potentials in the diagnosis. Synek VM, et al. **Clin Exp Neurol** 1985;21:157-63

Experimental hyperthyroidism stimulates axonal growth in mesothelial chambers. Danielsen N, et al. **Exp Neurol** 1986 Oct;94(1):54-65

An experimental study on the "double crush" hypothesis. Nemoto K, et al. **J Hand Surg [Am]** 1987 Jul;12(4):552-9

RADIATION EFFECTS

Laser influence on the rate of degeneration of damaged nerves. Ren ZD, et al. **Anat Anz** 1987;163(2):111-7

SURGERY

Cytoskeletal abnormalities in long-term embryonic CNS transplants isolated within peripheral nerve. Doering LC, et al. **Ciba Found Symp** 1987;126:160-72

Experimental studies on peripheral nerve repair following early or delayed suture. Bignotti B, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):259-66

Micro-surgical fascicular nerve repair: a morphological study of the endoneurial bulge. Archibald SJ, et al. **J Hand Surg [Br]** 1987 Feb;12(1):5-10

Experimental study of bridging the peripheral nerve gap with skeletal muscle. Kong JM, et al. **Microsurgery** 1986; 7(4):183-9

Target-specific nerve regeneration through a nerve guide in the rat. Seckel BR, et al. **Plast Reconstr Surg** 1986 Dec; 78(6):793-800

Blood supply of transected rabbit peripheral nerve after end-to-end suture or autogenous grafting. A microangiographic study. Radek AJ. **Scand J Plast Reconstr Surg** 1986;20(3):273-7

TRANSPLANTATION

[Homologous and heterologous grafts in experimental animals (considerations and preliminary results)] Terragni R, et al. **Chir Ital** 1986 Jun;38(3):358-61 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Three-dimensional architecture of the endoneurium with special reference to the collagen fibril arrangement in relation to nerve fibers. Ushiki T, et al. **Arch Histol Jpn** 1986 Dec;49(5):553-63

Experimental rabies: ultrastructural quantitative analysis of the changes in the sciatic nerve. Teixeira F, et al. **Exp Mol Pathol** 1986 Dec;45(3):287-93

Remodelling of internodes in regenerated rat sciatic nerve: electron microscopic observations. Hildebrand C, et al. **J Neurocytol** 1986 Dec;15(6):681-92

SCIATICA

see related
INTERVERTEBRAL DISK DISPLACEMENT

BLOOD

[Hemoglobin A1c level of erythrocytes in patients with lumbosciatic pain syndrome. Preliminary report] Split W, et al. **Neurol Neurochir Pol** 1986 Sep-Oct;20(5):466-70 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Clinical and electromyographical course of sciatica: prognostic study of 41 cases. Negrin P, et al. **Electromyogr Clin Neurophysiol** 1987 Mar;27(2):125-7

[Value of magnetic resonance imaging in the diagnosis of recurrent postoperative lumbosciatica] Frocrain L, et al. **J Radiol** 1987 May;68(5):381-5 (Eng. Abstr.) **(Fre)**

[Clinico-electrophysiological correlations in the evaluation of sciatica] Banka S. **Neurol Neurochir Pol** 1986 Jul-Aug; 20(4):313-8 (Eng. Abstr.) **(Pol)**

[Evaluation of the efficacy of treating the lumbosacral pain syndrome according to the degree of respiratory rhythm irregularity upon inclining the body forward] Vagin IuE, et al. **Zh Nevropatol Psikhiatr** 1986;86(8):1155-8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The biochemistry of the action of chymopapain in relief of sciatica. Buttle DJ, et al. **Spine** 1986 Sep;11(7):688-94

Experiences with the combined use of Mydocalm + Donalgin in the treatment of patients suffering from lumboischialgia. Kumin M, et al. **Ther Hung** 1984; 32(1):26-8

[Treatment of sciatica due to a herniated disk by chemonucleolysis] Moalla M, et al. **Tunis Med** 1986 Jun-Jul;64(6-7):547-52 (33 ref.) (Eng. Abstr.) **(Fre)**

[Continuous self-administered epidural methadone and Marcaine for low-back and sciatic pain] Haimsky G, et al. **Harefuah** 1987 Jan 1;112(1):10-1 (Eng. Abstr.) **(Heb)**

[Treatment of sciatica with injection of hydrocortisone into the sacral hiatus] Matyjek J, et al. **Neurol Neurochir Pol** 1986 May-Jun;20(3):218-21 (Eng. Abstr.) **(Pol)**

[Role of epidural corticoids in the diagnosis and treatment of backache] Solares G, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec;33(6):392-4 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Sciatica caused by essential cryoglobulinemia. A case report. Sabatino M, et al. **Acta Neurol (Napoli)** 1986 Oct;8(5):541-4

Sciatica caused by an avulsion fracture of the ischial tuberosity. A case report. Miller A, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):143-5

Sciatica from a sciatic neurilemoma. A case report and review of the literature. Prusick VR, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1456-7 (11 ref.)

Sciatica caused by perifibrosis of the sciatic nerve. Merrild U, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):706

Sciatic pain: a diagnostic pitfall. Gutman H, et al. **J Cardiovasc Surg (Torino)** 1987 Mar-Apr;28(2):204-5

Late neurological dysfunction in adult lumbosacral lipoma. Maiuri F, et al. **J Neurosurg Sci** 1987 Jan-Mar;31(1):7-11

Previously undescribed cause of sciatica [letter] Kolesar T. **Lancet** 1987 Sep 12;2(8559):629

Sciatic-like referred pain after rubberband haemorrhoidal ligation [letter] Rabau MY, et al. **Lancet** 1987 Apr 18; 1(8538):924-5

Tuboovarian abscess presenting as sciatic pain: case report. Andrews DW, et al. **Neurosurgery** 1987 Jul;21(1):100-3

Sciatica: an early manifestation of thoracic vertebral osteochondroma. Buckler RA, et al. **Neurosurgery** 1987 Jul; 21(1):98-100

Sciatica produced by a sacral perineurial cyst. Davis DH, et al. **Tex Med** 1987 Mar;83(3):55-6

A new approach to back disorders. Gracovetsky S. **Trans Assoc Life Insur Med Dir Am** 1987;70:72-86

[Sciatica caused by synovial cysts and lumbar articular diverticula with intraspinal development. Saccoradiculographic, computed tomographic and arthrographic study] Sellier N, et al. **Rev Rhum Mal Osteoartic** 1987 Apr;54(4):297-301 (Eng. Abstr.) **(Fre)**

[Lumbar sciatic pain of tumor origin: a difficult diagnosis] Zenklusen C, et al. **Schweiz Rundsch Med Prax** 1987 Mar 17;76(12):298-301 (Eng. Abstr.) **(Fre)**

[Intradural herniation of the intervertebral disk of the lumbar segment of the spine] Lechowski S, et al. **Neurol Neurochir Pol** 1986 May-Jun;20(3):252-7 (Eng. Abstr.) **(Pol)**

HISTORY

The classic. Back strain and sciatica. By Frank R. Ober, 1935. **Clin Orthop** 1987 Jun;(219):4-7

OCCURRENCE

Incidence and risk factors of herniated lumbar intervertebral disc or sciatica leading to hospitalization. Heliövaara M, et al. **J Chronic Dis** 1987;40(3):251-8

Occupation and risk of herniated lumbar intervertebral disc or sciatica leading to hospitalization. Heliövaara M. **J Chronic Dis** 1987;40(3):259-64

PHYSIOPATHOLOGY

Pain drawing and myelography in sciatic pain. Udén A, et al. **Clin Orthop** 1987 Mar;(216):124-30

Pain in sciatica depresses lower limb nociceptive reflexes to sural nerve stimulation. Willer JC, et al. **J Neurol Neurosurg Psychiatry** 1987 Jan;50(1):1-5

Brain evoked potentials to noxious sural nerve stimulation in sciatalgic patients. Willer JC, et al. **Pain** 1987 Jul; 30(1):47-58

[Regional hemodynamics of patients with lumbar ischialgia] Marchuk GS, et al. **Vrach Delo** 1986 Nov;(11):91-4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The investigation of sciatica and low back pain syndromes: current trends. Buirski G. **Clin Radiol** 1987 Mar;38(2):151-5

[Computerized tomography in lumbosacral pain syndromes] Crouzet G, et al. **Pol Przegl Radiol (Warszawa)** 1986 Nov-Dec;50(6):340-3 **(Pol)**

[Sciatica is not always sciatica] Lindequist S. **Lakartidningen** 1987 Mar 4;84(10):749-50 **(Swe)**

RADIOTHERAPY

[Clinical and thermographic evaluation of the effectiveness of UHF therapy on patients with the neurological manifestations of lumbar osteochondrosis] Strelkova NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Sep-Oct; (5):32-5 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Experience with rehabilitation in lumbar sciatica at the sanatorium stage] Aznaur'ian MS, et al. **Voen Med Zh** 1987 May;(5):69 **(Rus)**

SURGERY

Surgical results in obese patients with sciatica. Hanigan WC, et al. **Neurosurgery** 1987 Jun;20(6):896-9

A concept of illness tested as an improved basis for surgical decisions in low-back disorders. Waddell G, et al. **Spine** 1986 Sep;11(7):712-9

THERAPY

Normalization of the electromyogram after conservative treatment of sciatica. Libbrecht P, et al. **Acta Orthop Belg** 1986;52(6):824-30

[Treatment of lumbosciatica from disk hernia by nucleorthesis with triamcinolone hexacetonide (letter)] Bourgeois P, et al. **Presse Med** 1986 Nov 22;15(41):2073 **(Fre)**

[Recovery of a sciatic neuralgia after hysterectomy (letter)] Juvin R, et al. **Presse Med** 1986 Nov 1;15(38):1934 **(Fre)**

[The sick intervertebral disk: pain in the back and legs. Causes and possibilities for treatment] Oldenkott P. **Med Monatsschr Pharm** 1986 Aug;9(8):229-35 **(Ger)**

[Results of treatment with chymopapain in lumbo-sciatic pain caused by disk hernia] Grisostomi E, et al.

Chir Organi Mov 1986 Oct-Dec;71(4):367-72 (Eng. Abstr.) (Ita)

[Conservative treatment of patients with stenosis of the spinal canal in the lumbar segment] Jedrzejczak L, et al. Chir Narzadow Ruchu Ortop Pol 1986;51(2):109-12 (Eng. Abstr.) (Pol)

[Morphine epidural block in lumbosacral pain] Domżal T, et al. Neurol Neurochir Pol 1986 May-Jun;20(3):214-7 (Eng. Abstr.) (Pol)

SCIENCE

see related RELIGION AND SCIENCE

Concepts and approaches to scientific inquiry. Bloch K. Am J Clin Nutr 1987 May;45(5 Suppl):1054-9

Physician-scientists and scientific physicians. Resolving the humanism-science dichotomy. Engel GL. Am J Med 1987 Jan;82(1):107-11

Systems and the structure of meaning [letter] Rifkin A. Am J Psychiatry 1987 Jul;144(7):971-2

Can clinical psychoanalysis be scientific? Paniagua C. Am J Psychother 1987 Jan;41(1):104-16

Audio-enhanced computer-assisted learning in science teaching. Miller K, et al. Biochem Soc Trans 1987 Jun; 15(3):351-4

A psychiatrist muses on scientific method [editorial] Emanuel E. Can Med Assoc J 1987 May 1;136(9):923-4

Proceedings of a symposium held to celebrate the 150th birthday of Alfred Nobel. San Remo, Italy. Cell Biophys 1986 Dec;9(1-2):1-270

Symposium: New frontiers at the crossing of life and physical sciences. Summary and prospects. Raub WF. Cell Biophys 1986 Dec;9(1-2):257-61

Medicine and the two cultures: science and humanism in medicine. Sole MJ. Clin Invest Med 1987 Jan;10(1):39-45

Contemporary scientific principles and family medicine. Baughan DM. Fam Med 1987 Jan-Feb;19(1):41-5 (34 ref.)

Communicating science to the public [letter] Leese HJ. Hum Reprod 1986 Nov;1(7):495

The Burnetian legacy: scientists as citizens. Nossal GJ. Immunol Cell Biol 1987 Feb;65 (Pt 1):1-9

Is a science of caring possible? Dunlop MJ. J Adv Nurs 1986 Nov;11(6):661-70

Nursing science: more promise than threat. Jennings BM. J Adv Nurs 1986 Sep;11(5):505-11

Do you have any daughters? An update on the state of affairs between women scientists and the National Institutes of Health. Mason M. J Am Diet Assoc 1987 Mar;87(3):283-4

Clinician-scientists needed [editorial] Bawden JW. J Dent Res 1987 Oct;66(10):1612

Science, medicine and chiropractic theory [editorial] Hildebrandt RW. J Manipulative Physiol Ther 1986 Sep; 9(3):181-2

Five contributions to a philosophy of the science of chiropractic. Keating JC Jr, et al. J Manipulative Physiol Ther 1987 Feb;10(1):25-9

On science and subspecialism. St Geme JW Jr. J Pediatr 1987 Mar;110(3):419-21

Endowed research chairs: perceptions from other disciplines and implications for the nursing scientific community. McNeely JB, et al. J Prof Nurs 1987 Mar-Apr;3(2):114-7

Science and anti-science. The Lloyd-Roberts Lecture 1986. Wolpert L. J R Coll Physicians Lond 1987 Apr; 21(2):159-65

Science versus non-science in medicine: fact or fiction? [editorial] Baum M. J R Soc Med 1987 Jun;80(6):332-3

Theory and science in communication disorders. Siegel GM, et al. J Speech Hear Disord 1987 May;52(2):99-104

Conceptual crises and the addictions: a philosophy of science perspective. Shaffer HJ. J Subst Abuse Treat 1986; 3(4):285-96 (59 ref.)

Science and the public [editorial] Lancet 1986 Nov 1; 2(8514):1020

The Pugwash Conferences on science and world affairs. Rotblat J. Med War 1985 Jan-Apr;1(1):51-4

Ensuring scientific integrity [letter] Nature 1987 Jun 18-24; 327(6123):550

Science the only hope? [letter] Racker E. Nature 1987 Sep 10-16;329(6135):100

The public perception of science (3). Gregory RL. Perception 1986;15(5):511-4

The public perception of science (1) [editorial] Gregory RL. Perception 1986;15(3):231-3

The public perception of science (2) [editorial] Gregory RL. Perception 1986;15(4):369-72

Physics, philosophy, and the nature of biological sciences. Robinson JD. Perspect Biol Med 1987 Spring;30(3):384-98

Science and the three laws of robotics: a view of science, medicine, and ethics. van Eys J. Pharos 1986 Fall; 49(4):30-2

Science and health care--whence and whither. Hartley F. Phys Med Biol 1987 Feb;32(2):163-71

Marriage, motherhood and research performance in science. Cole JR, et al. Sci Am 1987 Feb;256(2):119-25

Values and science curricula [letter] Science 1987 Apr 17; 236(4799):243

Teacher training [letter] Science 1987 Feb 13;235(4790):730

Evolution and growth at NSF [editorial] Abelson PH. Science 1987 May 22;236(4804):893

Toward a universal law of generalization for psychological science. Shepard RN. Science 1987 Sep 11; 237(4820):1317-23

[Role and structure of scientific articles, research articles, short notes, review articles, proceedings of meetings] Le Louëdec C, et al. Ann Rech Vet 1987;18(1):3-12 (Fre)

[The ethics of science] Dion S, et al. Biomed Pharmacother 1986;40(4):123-6 (Fre)

[Decline in the use of scientific French must cease] Drapeau AJ. Union Med Can 1986 Nov;115(11):808-11 (Fre)

[Scientific and artistic synoptic endeavors in the field of morphology] Miczbán I. Clio Med 1983;18(1-4):203-8 (Eng. Abstr.) (Ger)

[Special programs for the gifted or support for the elite?] Böning E, et al. Naturwissenschaften 1986 Dec;73(12):700-7 (Eng. Abstr.) (Ger)

[Prevention, public health and science] Abelin T. Soz Praventivmed 1986;31(4-5):190-1 (Ger, Fre)

[The scientific spirit in every day medicine. Second session of the workshop "Ideological and Scientific Theoretical Problems of Medicine." 23-24 October 1986, Gera] Z Arztl Fortbild (Jena) 1987;81(10):467-512 (Ger)

[Science--a moving force of social development] Stratone N, et al. Rev Med Chir Soc Med Nat Iasi 1986 Jul-Sep; 90(3):579-82 (Rum)

[Man and scientific-technological progress] Medvedev VI. Fiziol Cheloveka 1986 Sep-Oct;12(5):707-14 (Rus)

[Acceleration of scientific and technologic progress and the tasks of occupational medicine] Borisenkova RV, et al. Gig Tr Prof Zabol 1987 Mar;(3):1-6 (Rus)

[The theory of process determination as a condition for the realization of the methodological function of dialectical materialism in biological and natural science cognition] Boltenkov EM. Vestn Akad Med Nauk SSSR 1987; (3):19-28 (Rus)

[Medical intuition under conditions of scientific and technical progress] Erokhin VG, et al. Vestn Akad Med Nauk SSSR 1987;(3):49-55 (Rus)

[Social hygiene problems of accelerated scientific and technical progress] Shadimetov IuSh. Vestn Akad Med Nauk SSSR 1987;(3):3-8 (Rus)

[The common denominator in poor reviews and pseudoscience] Rumboldt Z. Lijec Vjesn 1986 Oct; 108(10):405-9 (Eng. Abstr.) (Scr)

HISTORY

From deferent to equant: a volume of studies in the history of science in the ancient and medieval Near East in honor of E.S. Kennedy. Ann NY Acad Sci 1987;500:1-569

Between Romantic and scientific medicine: Johann Lukas Schoenlein and the Natural History School 1825-1845. Bleker J. Clio Med 1983;18(1-4):191-201

One hundred eleventh critical bibliography of the history of science and its cultural influences. Isis 1986; 77(290):1-265

The discovery of resistance. Historical accounts and scientific careers. Aronson N. Isis 1986 Dec;77(289):630-46

History of Hispanic science: El boom. Essay review. Glick TF. Isis 1986 Sep;77(288):514-7

The effecting of all things possible: molecular biology and Bacon's vision. Isaacs LN. Perspect Biol Med 1987 Spring; 30(3):402-32

[The value of the natural sciences and medicine in German poetry of the Middle Ages] Haage BD. Sudhoffs Arch 1986; 70(2):206-20 (Eng. Abstr.) (Ger)

[Ars medica Anhaltina (V): Physicians and scientists of the Anhalt territories in Goethe's circle of friends] Kaiser W, et al. Z Gesamte Inn Med 1986 Nov 15;41(22):627-34 (Eng. Abstr.) (Ger)

[M. V. Lomonosov--founder of the materialistic tradition in Soviet natural science and medicine (on the 275th anniversary of his birth)] Zakharova NS, et al. Klin Med (Mosk) 1987 Feb;65(2):142-6 (Rus)

[Medical history aspect of the study of the role of schools of science in the development of medical science] Arkhangel'skil GV. Sov Zdravookhr 1987;(6):61-4 (Rus)

[The struggle of the leading physicians of Moldavia for the affirmation of materialism in the natural sciences and medicine of the region at the end of the 19th and beginning of the 20th centuries] Popushoi EP, et al. Sov Zdravookhr 1986;(10):65-8 (Rus)

SCIENTIFIC SOCIETIES see SOCIETIES, SCIENTIFIC

SCIMITAR SYNDROME

COMPLICATIONS

Scimitar syndrome with an accessory diaphragm and an absent right superior vena cava. Kimura M, et al. Jpn J Surg 1986 Jul;16(4):284-7

Scimitar syndrome and associated pulmonary sequestration: report of a successfully corrected case. Horcher E, et al. Prog Pediatr Surg 1987;21:107-11

DIAGNOSIS

The scimitar syndrome. Anatomic, physiologic, developmental and therapeutic considerations. Folger GM. Angiology 1976 Jun;27(6):373-407

[Scimitar syndrome in infants. Physiopathology and therapeutic implications in 12 cases] Blaysat G, et al. Arch Fr Pediatr 1987 Apr;44(4):245-51 (Eng. Abstr.) (Fre)

[A case of partial anomalous pulmonary venous drainage into the inferior vena cava and left atrium with the scimitar sign] Takeda S, et al. Nippon Kyobu Geka Gakkai Zasshi 1987 Mar;35(3):370-4 (Eng. Abstr.) (Jpn)

PATHOLOGY

Scimitar variant. Pearl W. Pediatr Cardiol 1987;8(2):139-41

RADIOGRAPHY

Scimitar syndrome: four new cases examined with CT [letter] Felson B. Radiology 1987 Feb;162(2):581

SURGERY

An infant with the scimitar syndrome and pulmonary hypertension; successful surgical intervention. Tummers RF, et al. Eur Heart J 1987 Feb;8(2):194-7

SCINTIGRAPHY see RADIONUCLIDE IMAGING

SCINTIGRAPHY, COMPUTED TOMOGRAPHIC see TOMOGRAPHY, EMISSION COMPUTED

SCINTILLATION COUNTING

A rapid method for the evaluation of new antituberculous agents. Ashtekar DR, et al. Chemotherapy 1987;33(1):22-7

A comparison of the counting characteristics of Opti-Fluor and Aquasol-2: liquid scintillation cocktail. Spate VL, et al. Health Phys 1986 Nov;51(5):667-71

Beta spectroscopy with liquid scintillation systems: applications in dosimetry of 90Sr and 90Y. Mishra AC, et al. Int J Rad Appl Instrum [A] 1987;38(6):455-61

Performance changes of an Anger camera in magnetic fields up to 10 G. Bieszk JA. J Nucl Med 1986 Dec;27(12):1902-7

[Monitoring of RV function by the nuclear cardiac single probe and Kr-81m--first pass transient study] Uno T, et al. Kaku Igaku 1987 Mar;24(3):303-7 (Eng. Abstr.) (Jpn)

[Monitoring of LV function in coronary care unit--evaluation of the effect of a vasodilator by the nuclear cardiac probe] Watanabe S, et al. Kaku Igaku 1987 Mar;24(3):297-301 (Eng. Abstr.) (Jpn)

INSTRUMENTATION

Intraoperative probe-directed immunodetection using a monoclonal antibody. O'Dwyer PJ, et al. Arch Surg 1986 Dec;121(12):1391-4

Direct counting of tritium by dissolving Microelisa wells in scintillation fluid. Tandon AK, et al. J Immunol Methods 1986 Sep 27;92(2):281-3

Evaluation of the response of a round hole scintillation camera collimator by the Fourier analysis method. Hernández A, et al. Nucl Med Commun 1986 Oct; 7(10):779-85

[Assessment of cardiac function by an ambulatory ventricular function monitor (VEST)--(1) Validation] Tamaki N, et al. Kaku Igaku 1987 Mar;24(3):289-96 (Eng. Abstr.) (Jpn)

[Fundamental study of dual photon absorptiometry system using scintillation camera] Tomomitsu T, et al. Kaku Igaku 1987 Feb;24(2):171-5 (Eng. Abstr.) (Jpn)

[Design and characteristics of a scintillation gamma camera with high spatial resolution and fast response] Kalashnikov SD, et al. Med Tekh 1986 Jul-Aug;(4):24-30 (Eng. Abstr.) (Rus)

METHODS

Measurement of 14CO2 evolution during tissue oxidation in vitro; an alternative to the Kontes well. Shand JH, et al. Comp Biochem Physiol [A] 1987;87(3):583-5

Comments on tritium monitoring by liquid-scintillation counting. Peng CT, et al. Int J Rad Appl Instrum [A] 1987; 38(6):492-4

Liquid scintillation counting: sample preparation techniques for organic materials. Nicoll DR, et al. Lab Pract 1972 Mar;21(3):174-6, 188

SCIURIDAE

Indian palm tree squirrel hepatitis B virus infection model for the human hepatitis. Mehrotra R, et al. Indian J Med Res 1987 Feb;85:113-9

In vitro recombinants of ground squirrel and woodchuck hepatitis viral DNAs produce infectious virus in squirrels. Seeger C, et al. J Virol 1987 Oct;61(10):3241-7

A case report of cysticercosis caused by Cysticercus longicollis, a larval form of Taenia crassiceps in a woodchuck (Marmota monax). Shiga J, et al. Jikken Dobutsu 1987 Apr;36(2):213-7

Experimental cholelithiasis in the ground squirrel. MacPherson BR, et al. Lab Invest 1987 Feb;56(2):138-45

Ground squirrel hepatitis virus (GSHV) infection and hepatocellular carcinoma in the Canadian Richardson ground squirrel (Spermophilus richardsonii). Minuk GY, et al. Liver 1986 Dec;6(6):350-6

Emerging models in the U.S.A.: swine, woodchucks, and the hairless guinea pig. Balk MW. Prog Clin Biol Res 1987; 229:311-26

Acute and chronic delta infection in the woodchuck.

Ponzetto A, et al. **Prog Clin Biol Res** 1987;234:37–46

The role of squirrels in sustaining monkeypox virus transmission. Khodakevich L, et al. **Trop Geogr Med** 1987 Apr;39(2):115–22

ANATOMY & HISTOLOGY

The pineal gland of the Indian palm squirrel, Funambulus pennanti (Wroughton). Bhaskar KS, et al. **Arch Anat Microsc Morphol Exp** 1986–87;75(2):117–25

Ipsilateral retinal projections and laminations of the dorsal lateral geniculate nucleus in the eastern chipmunk (Tamias sibiricus asiaticus). Fukuda Y, et al. **Brain Res** 1986 Oct 8;384(2):373–8

The cerebellotectal pathway in the grey squirrel. May PJ, et al. **Exp Brain Res** 1986;65(1):200–12

Microelectrode maps, myeloarchitecture, and cortical connections of three somatotopically organized representations of the body surface in the parietal cortex of squirrels. Krubitzer LA, et al. **J Comp Neurol** 1986 Aug 22;250(4):403–30

The sources of the nigrotectal pathway. May PJ, et al. **Neuroscience** 1986 Sep;19(1):159–80

[Seasonal involution of the lymphoid tissue of the spleen of the European suslik (Citellus citellus L.)] Shivacheva TM, et al. **Arkh Anat Gistol Embriol** 1987 May;92(5):48–53 (Eng. Abstr.) **(Rus)**

[Topical organization of visual cortico–cortical connections in the squirrel. Double retrograde tracing] Revishchin AV, et al. **Dokl Akad Nauk SSSR** 1987 May–Jun;294(1):226–9 **(Rus)**

[Ultrastructural organization of cardiomyocyte sarcolemma in hibernating animals] Zhegunov GF. **Tsitologiia** 1987 May;29(5):596–600 (Eng. Abstr.) **(Rus)**

BLOOD

The primary structure of the hemoglobin of the European Souslik (Citellus citellus, Rodentia). Soškić V, et al. **Biol Chem Hoppe Seyler** 1986 Nov;367(11):1159–66

The primary structure of the hemoglobin alpha-chain of the arctic ground squirrel. Duffy LK, et al. **Comp Biochem Physiol [B]** 1987;87(1):189–93

Serum bile acid determination for assessment of hepatic injury in the woodchuck. Leveille CR, et al. **Lab Anim Sci** 1987 Apr;37(2):224–8

[Role of the condition of serum water in regulating its osmolality in the suslik during spontaneous arousal] Monin IuG, et al. **Fiziol Zh SSSR** 1986 Jul;72(7):982–6 (Eng. Abstr.) **(Rus)**

[Features of hemostasis and thrombocyte function in the yellow suslik] Ponomareva TA, et al. **Fiziol Zh SSSR** 1987 Jan;73(1):59–66 (Eng. Abstr.) **(Rus)**

GENETICS

The major histocompatibility complex of tassel-eared squirrels. II. Genetic diversity associated with Abert squirrels. Wettstein PJ, et al. **Immunogenetics** 1986; 24(4):242–50

The major histocompatibility complex of tassel-eared squirrels. I. Genetic diversity associated with Kaibab squirrels. Wettstein PJ, et al. **Immunogenetics** 1986; 24(4):230–41

Genetic variation between woodchuck populations with high and low prevalence rates of woodchuck hepatitis virus infection. Wright J, et al. **J Wildl Dis** 1987 Apr;23(2):186–91

More clues to gene rearrangements [letter] Haluska FG, et al. **Nature** 1987 Jan 29–Feb 4;325(6103):396

METABOLISM

Release and metabolism of dopamine and serotonin in the caudate nucleus during euthermia and hibernation. Salzman SK, et al. **Ann NY Acad Sci** 1986;473:267–83

Metabolism of mutagens and carcinogens in woodchuck liver and its relationship with hepatitis virus infection. De Flora S, et al. **Cancer Res** 1987 Aug 1;47(15):4052–8

A comparison of the response of woodchucks and rats to variations in dietary lipotrope and protein content. Boyd JN, et al. **J Nutr** 1986 Oct;116(10):2044–54

A hydrophilic bile acid effects partial dissolution of cholesterol gallstones in the prairie dog. Cohen BI, et al. **Lipids** 1986 Sep;21(9):575–9

[Physicochemical characteristics of sorbitol dehydrogenase from the cytoplasm of the liver cells of susliks] Sudovtsov VE, et al. **Biol Nauki** 1986;(11):30–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Experimental infection of the squirrel (Sciurus vulgaris) and the muskrat (Ondatra zibethica) with Tahyňa virus (California group, Bunyaviridae). Rödl P, et al. **Folia Parasitol (Praha)** 1987;34(2):189–91

Prairie dog model for antimicrobial agent–induced Clostridium difficile diarrhea. Muller EL, et al. **Infect Immun** 1987 Jan;55(1):198–200

Maintenance of woodchuck hepatitis virus activity in woodchuck hepatocyte primary culture. Thézé N, et al. **J Gen Virol** 1987 Apr;68 (Pt 4):1029–39

5′-terminal sequences influence the segregation of ground squirrel hepatitis virus RNAs into polyribosomes and viral core particles. Enders GH, et al. **J Virol** 1987 Jan; 61(1):35–41

Lymphoid cells in the spleens of woodchuck hepatitis virus–infected woodchucks are a site of active viral replication. Korba BE, et al. **J Virol** 1987 May; 61(5):1318–24

Hepatocarcinogenicity of the woodchuck hepatitis virus. Popper H, et al. **Proc Natl Acad Sci USA** 1987 Feb; 84(3):866–70

Effects of an extract from Phyllanthus niruri on hepatitis B and woodchuck hepatitis viruses: in vitro and in vivo studies. Venkateswaran PS, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):274–8

[Long-term persistence of the rabies virus at inoculation sites in an experiment on hibernating rodents] Botvinkin AD, et al. **Vopr Virusol** 1986 Jul–Aug;31(4):504–6 **(Rus)**

PARASITOLOGY

Influence of host size on louse densities on eastern chipmunks (Tamias striatus). Durden LA. **J Parasitol** 1987 Apr; 73(2):426–7

Ectoparasites of black-tailed prairie dogs (Cynomys ludovicianus) from South Dakota. Kietzmann GE Jr. **J Wildl Dis** 1987 Apr;23(2):331–3

The first record of Brevistriata bergerardi Durette-Desset, 1970 from an asiatic chipmunk, Tamias sibiricus lineatus Siebold, in Hokkaido, Japan. Asakawa M, et al. **Jpn J Vet Res** 1986 Oct;34(3–4):291–4

PHYSIOLOGY

Temperature sensitivity of renin–angiotensin system in the ground squirrel. Harker CT, et al. **Am J Physiol** 1987 Sep; 253(3 Pt 2):F471–5

The influence of hibernation on testis growth and spermatogenesis in the golden-mantled ground squirrel, Spermophilus lateralis. Barnes BM, et al. **Biol Reprod** 1986 Dec;35(5):1289–97

Purification and partial characterization of prolactin from the California ground squirrel (Spermophilus beecheyi). Colosi P, et al. **Biol Reprod** 1987 May;36(4):1017–23

Electrophysiological effects of Ca antagonists, tetrodotoxin, [Ca]o and [Na]o on myocardium of hibernating chipmunks: possible involvement of Na–Ca exchange mechanism. Kondo N. **Br J Pharmacol** 1987 Jun;91(2):315–9

Prolongation of hibernation bout duration by continuous intracerebroventricular infusion of melatonin in hibernating ground squirrels. Stanton TL, et al. **Brain Res** 1987 Jun 16;413(2):350–5

Retinal inputs to the geniculate relay cells in the eastern chipmunk (Tamias sibiricus asiaticus): a comparison between color and non–color sensitive cells. Wakakuwa K, et al. **Brain Res** 1987 Feb 24;404(1–2):211–20

In vitro measurements of cholinergic activity in brain regions of hibernating ground squirrels. Stanton TL, et al. **Brain Res Bull** 1987 May;18(5):663–7

Effect of lead nitrate on thyroid function of the Indian palm squirrel, Funambulus pennanti (Wroughton). Shrivastava VK, et al. **Bull Environ Contam Toxicol** 1987 Jun; 38(6):981–4

Pancreatic hormones in the nonhibernating and hibernating golden mantled ground squirrel. Bauman WA, et al. **Comp Biochem Physiol [A]** 1987;86(2):241–4

Reduced synthetic activity as a contributing factor to weight-loss in the circannual cycle of Richardson's ground squirrels. Reid TM, et al. **Comp Biochem Physiol [A]** 1987; 87(4):1067–72

Serum thyroxine and seasonal fattening of free-living Piute ground squirrels, Spermophilus mollis (Rodentia: Sciuridae). Rickart EA. **Comp Biochem Physiol [A]** 1986; 85(2):199–202

Persistence of weight gain and hibernation onset in juvenile thirteen-lined ground squirrels (Spermophilus tridecemlineatus) in spite of long-term administration of naloxone. Kulpa CM, et al. **Comp Biochem Physiol [C]** 1986; 85(2):363–7

Effect of cooling on vascular smooth muscle from the thirteen-lined ground squirrel. Harker CT, et al. **Cryobiology** 1987 Feb;24(1):74–81

The influence of cholecystokinin octapeptide and angiotensin II on in vitro duodenal motility in hibernating and aroused 13-lined ground squirrels. Weekley B, et al. **Cryobiology** 1986 Oct;23(5):447–52

Seasonal variation of cardiovascular function in the marmot, Marmota flaviventris. Zatzman ML, et al. **Cryobiology** 1987 Aug;24(4):376–85

Increment thresholds of the three spectral mechanisms in the retina of the California ground squirrel (Spermophilus beecheyi). Blakeslee B, et al. **Exp Brain Res** 1987;66(1):21–8

Disc shedding and autophagy in the cone-dominant ground squirrel retina. Long KO, et al. **Exp Eye Res** 1986 Aug; 43(2):193–205

Identification of a pre-hibernating state in myocardium from nonhibernating chipmunks. Kondo N. **Experientia** 1987 Aug 15;43(8):873–5

Excitation–contraction coupling in the myocardium of hibernating chipmunks. Kondo N. **Experientia** 1986 Dec 1;42(11–12):1220–2

Annual cycles of gonadotropins and androgens in the hibernating golden-mantled ground squirrel. Barnes BM. **Gen Comp Endocrinol** 1986 Apr;62(1):13–22

Absence of extraretinal photic entrainment in a diurnal squirrel (Funambulus palmarum) and a nocturnal mouse (Mus booduga). Navaneethakannan K, et al. **Indian J Exp Biol** 1986 Nov;24(11):730–1

Duodenal acidification inhibits sphincter of Oddi motility in the prairie dog. Grace PA, et al. **J Surg Res** 1987 Jul; 43(1):68–74

Electrically induced behavior and neural specificity in ground squirrels and dormice. Hallonquist JD, et al. **Physiol Behav** 1986;38(3):387–97

Gallbladder contractility and mucus secretion after cholesterol feeding in the prairie dog. Li YF, et al. **Surgery** 1986 Nov;100(5):900–4

[Ultrastructure of cells from the liver–endocrine pancreas system in hibernating animals] Adodina LV, et al. **Arkh Anat Gistol Embriol** 1987 Apr;92(4):78–86 (Eng. Abstr.) **(Rus)**

[The thyroid gland in emotional and pain stress] Akhmetov IZ. **Biol Nauki** 1987;(2):54–9 (Eng. Abstr.) **(Rus)**

[Seasonal dynamics of the proliferative activity in hibernating animals] Kruman II, et al. **Dokl Akad Nauk SSSR** 1986; 291(4):992–4 **(Rus)**

[Dynamics of 3H-lysine incorporation into the retinal ganglion cells of the ground squirrel (Citellus pygmaeus Pallas) in active state and during hibernation] Fel'dman BV, et al. **Ontogenez** 1987 May–Jun;18(3):323–6 (Eng. Abstr.) **(Rus)**

[Thyroid hormone levels in the peripheral blood of the ground squirrel Citellus parryi during winter hibernation] Nevretdinova ZG, et al. **Zh Evol Biokhim Fiziol** 1987 Jan–Feb;23(1):42–7 (Eng. Abstr.) **(Rus)**

SCLERA

Pseudomonas corneoscleritis. Alfonso E, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):90–8

Pseudomonas corneoscleritis [letter] Hessburg PC. **Am J Ophthalmol** 1987 May 15;103(5):725–6

Intravenous pulse methylprednisolone in scleritis. McCluskey P, et al. **Arch Ophthalmol** 1987 Jun;105(6):793–7

Fluorescein angiography in the differential diagnosis of sclerokeratitis. Watson P, et al. **Br J Ophthalmol** 1987 Feb; 71(2):145–51

Use of scleral eye shields for periorbital laser surgery. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb; 13(2):156–8

Refractory scleritis due to Wegener's granulomatosis. Hodges EJ, et al. **West J Med** 1987 Mar;146(3):361–3

[Therapeutic considerations on tumors of the sclero–corneal rim] Bonnet JL. **Bull Soc Ophtalmol Fr** 1986 Oct; 86(10):1253–4 **(Fre)**

[A rare cause of episcleritis: Cogan's syndrome] Dufier JL, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):967–9 **(Fre)**

[Limbic tumors—clinical and therapeutic reflections from 12 cases] Lebraud P, et al. **Bull Soc Ophtalmol Fr** 1985 Oct; 85(10):1051–4 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Blue sclerae: a common sign of iron deficiency? Kalra L, et al. **Lancet** 1986 Nov 29;2(8518):1267–9

[Marfan syndrome with absolute glaucoma and secondary unilateral scleral ectasis] Pop D, et al. **Rev Chir [Oftalmol]** 1987 Apr–Jun;31(2):143–8 (Eng. Abstr.) **(Rum)**

ANALYSIS

Dermatan sulphate proteoglycans from sclera examined by rotary shadowing and electron microscopy. Ward NP, et al. **Biochem J** 1987 Mar 15;242(3):761–6

The dermatan sulfate proteoglycans of bovine sclera and their relationship to those of articular cartilage. An immunological and biochemical study. Cöster L, et al. **J Biol Chem** 1987 Mar 15;262(8):3809–12

ANATOMY & HISTOLOGY

The lamina cribrosa in the eyes of rats, hamsters, gerbils and guinea pigs. Johansson JO. **Acta Anat (Basel)** 1987; 128(1):55–62

The incidence and degree of scleral show in the normal population. Mackinnon SE, et al. **Plast Reconstr Surg** 1987 Jul;80(1):15–20

BLOOD SUPPLY

Pilocarpine antagonizes prostaglandin F2 alpha–induced ocular hypotension in monkeys. Evidence for enhancement of Uveoscleral outflow by prostaglandin F2 alpha. Crawford K, et al. **Arch Ophthalmol** 1987 Aug; 105(8):1112–6

Low dose fluorescein angiography of the conjunctiva and episclera. Meyer PA, et al. **Br J Ophthalmol** 1987 Jan; 71(1):2–10

[Differential diagnosis of dilated episcleral blood vessels] Guthoff R, et al. **Fortschr Ophthalmol** 1986;83(6):641–3 (Eng. Abstr.) **(Ger)**

[Pathogenesis of unilateral dilated episcleral vessels and increase in intraocular pressure] Jørgensen JS, et al. **Klin Monatsbl Augenheilkd** 1987 May;190(5):428–30 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Trifluorothymidine and 5-fluorouracil: antiproliferative activity in tissue culture. Rivera AH, et al.

Can J Ophthalmol 1987 Feb;22(1):13–6

DRUG EFFECTS

[Local treatment with diclofenac–Na eyedrops in diseases of the anterior eye segment] van Husen H. **Klin Monatsbl Augenheilkd** 1986 Jun;188(6):615–9 (Eng. Abstr.) (Ger)

EMBRYOLOGY

Arrangement of the sclerocorneal trabecular system in human fetuses. Ruano–Gil D, et al. **Acta Anat (Basel)** 1986; 127(3):233–6

INJURIES

Connective tissue remodeling in corneal and scleral wounds. Davison PF, et al. **Invest Ophthalmol Vis Sci** 1986 Oct; 27(10):1478–84

[Scleral injuries] Comhaire–Poutchinian Y, et al. **Bull Soc Belge Ophtalmol** 1986;217:45–50 (Eng. Abstr.) (Fre)

[CW neodymium: YAG laser photocoagulation of the rabbit fundus—effect on the choroid and sclera in comparison to argon laser photocoagulation] Lorenz B, et al. **Fortschr Ophthalmol** 1986;83(4):436–40 (Eng. Abstr.) (Ger)

[Experimental studies on the healing of scleral injuries during surgery of intraocular foreign bodies] Zagórski Z. **Klin Oczna** 1987 Jan;89(1):1–3 (Eng. Abstr.) (Pol)

METABOLISM

Prostaglandin synthesis and release from cultured human trabecular–meshwork cells and scleral fibroblasts. Gerritsen ME, et al. **Exp Eye Res** 1986 Dec;43(6):1089–102

Uveoscleral outflow: diffusion or flow? Pederson JE, et al. **Invest Ophthalmol Vis Sci** 1987 Jun;28(6):1022–4

PATHOLOGY

An increased number of mast cells in the sclerae of alloxan–diabetic mice. Jansson L, et al. **Acta Ophthalmol (Copenh)** 1987 Apr;65(2):203–5

Bilateral ectasia of the sclera. Mehra KS, et al. **Indian J Ophthalmol** 1973 Sep;21(3):126–8

Blue sclerae and iron deficiency in general practice [letter] [published erratum appears in Lancet 1987 Mar 28;1(8535):760] Kalra L, et al. **Lancet** 1987 Feb 7; 1(8528):335

Scleral indentation following cryotherapy and repeat cryotherapy enhance release of viable retinal pigment epithelial cells. Singh AK, et al. **Retina** 1986 Summer–Fall; 6(3):176–8

[A new seromarker: an aid in the differential diagnosis of unclear scleral processes] Duncker G, et al. **Klin Monatsbl Augenheilkd** 1987 Mar;190(3):180–1 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Intraocular and episcleral venous pressure increase during inverted posture. Friberg TR, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):523–6

Effect of scleral recording location on ERG amplitude. Cringle SJ, et al. **Curr Eye Res** 1986 Dec;5(12):959–65

PHYSIOPATHOLOGY

Topical corticosteroids and intraocular pressure in high myopia. II. Study relationship of pressure response to age, diopteric power, degenerative changes in eye and scleral rigidity. Jain IS, et al. **Indian J Ophthalmol** 1973 Sep; 21(3):108–11

Mechanical behavior of the sclera. Arciniegas A, et al. **Ophthalmologica** 1986;193(1–2):45–55

RADIOGRAPHY

Observations on long–term follow–up of posterior scleritis [letter] Kalina RE, et al. **Am J Ophthalmol** 1986 Nov 15; 102(5):671–2

SURGERY

Long–term results of scleral reinforcement surgery. Curtin BJ, et al. **Am J Ophthalmol** 1987 Apr 15;103(4):544–8

Reopening filtration fistulas with the neodymium–YAG laser. Dailey RA, et al. **Am J Ophthalmol** 1986 Oct 15; 102(4):491–5

A simple technique for goniotomy. Hodapp E, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):537

Scleral flap surgery for modification of corneal astigmatism. Koch DD, et al. **Am J Ophthalmol** 1987 Sep 15; 104(3):259–64

Internal sclerectomy for glaucoma filtering surgery with an automated trephine. Brown RH, et al. **Arch Ophthalmol** 1987 Jan;105(1):133–6

Evaluation of scleral cautery with peripheral iridectomy (Scheie's operation) for glaucomas. Seal GN, et al. **Indian J Ophthalmol** 1973 Sep;21(3):117–20

Carbon dioxide laser use in wound sealing and epikeratophakia. Keates RH, et al. **J Cataract Refract Surg** 1987 May;13(3):290–5

Deep versus appositional suturing of the scleral pocket incision for astigmatic control in cataract surgery. Masket S. **J Cataract Refract Surg** 1987 Mar;13(2):131–5

Safety of high–energy neodymium:YAG laser pulses in YAG sclerostomy. March WF, et al. **Lasers Surg Med** 1987; 6(6):584–7

The scleral yoke suture for anterior segment surgery. McKenzie KS, et al. **Ophthalmic Surg** 1986 Oct; 17(10):641–3

Improved goniolens for YAG sclerostomy. March WF, et al. **Ophthalmic Surg** 1987 Jul;18(7):513

[Padding of the scleral lamella in goniotrepanation by the Fronimopoulos method] Vymazal M. **Cesk Oftalmol** 1986 Jul;42(4):236–40 (Eng. Abstr.) (Cze)

[Gonio–cyclodiastasis using tongue–like incisions] Moreau PG, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1321–4 (Eng. Abstr.) (Fre)

[The bare sclera technic in eye muscle operations] Roggenkämper P. **Fortschr Ophthalmol** 1986;83(4):522–3 (Eng. Abstr.) (Ger)

[Limbus–based flap versus fornix–based flap in goniotrepanation] Schuhmann G, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):407–8 (Eng. Abstr.) (Ger)

[Reinforcement of the sclera during surgical treatment of retinal detachment] Belousova ZF. **Oftalmol Zh** 1986; (7):445–6 (Rus)

[Results of mass screening of persons with myopia and indicators for scleroplasty] Golychev VN. **Oftalmol Zh** 1986;(7):429–30 (Eng. Abstr.) (Rus)

[Hypotensive effect of scleroplasty as 1 of the pathogenetic mechanisms of its therapeutic action in progressive myopia] Kondratenko IuN, et al. **Oftalmol Zh** 1987;(1):34–6 (Eng. Abstr.) (Rus)

[Scleroplastic operations combined with cryocoagulation in diabetic tractional detachment of the retina] Milen'kaia TM. **Oftalmol Zh** 1986;(5):270–1 (Eng. Abstr.) (Rus)

[Indications for surgical treatment of high progressive myopia using the intralamellar scleroplasty method] Panfilov NI, et al. **Oftalmol Zh** 1986;(7):427–9 (Eng. Abstr.) (Rus)

[Sclera–enhancing surgical procedures in the treatment of rapidly progressive myopia] Radokhleb OM. **Oftalmol Zh** 1986;(6):374–7 (46 ref.) (Rus)

[Late results of microsurgical procedures on the scleral sinus with the approach ab externo in hydrophthalmos] Sidorov EG. **Oftalmol Zh** 1986;(6):351–5 (Eng. Abstr.) (Rus)

[Comparative evaluation of the effectiveness of graded and non–graded sinusotrabeculectomies in glaucoma (analysis of 500 operations)] Smelovskiĭ AS. **Oftalmol Zh** 1986; (7):424–6 (Eng. Abstr.) (Rus)

[Photokeratometry in keratotomy with sectoral keratoplasty and sclerotomy with sectoral scleroplasty] Ivanova VF, et al. **Vestn Oftalmol** 1986 Jul–Aug;102(4):31–5 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Scleral patch grafts with Molteno setons. Freedman J. **Ophthalmic Surg** 1987 Jul;18(7):532–4

Scleral reinforcement: two case reports. Whitmore WG, et al. **Ophthalmic Surg** 1987 Jul;18(7):503–5

[Changes in the sclera after implantation into the anterior chamber of the eye—long–term study] Rozsíval P, et al. **Cesk Oftalmol** 1986 Jul;42(4):226–30 (Eng. Abstr.) (Cze)

[Improved operation for reinforcing the sclera in myopia] Krol' DS, et al. **Vestn Oftalmol** 1987 May–Jun;103(3):35–6 (Rus)

[The scleral deformation coefficient as a criterion in choosing the scleroplastic operation in progressive myopia] Potemkin IL. **Vestn Oftalmol** 1987 May–Jun;103(3):36–8 (Eng. Abstr.) (Rus)

[Silicon scleroplasty in progressive myopia in children and adolescents] Utkin VF. **Vestn Oftalmol** 1987 May–Jun; 103(3):54–6 (Eng. Abstr.) (Rus)

[Autoscleroplasty in retinal detachment] Zalkova MV. **Vestn Oftalmol** 1987 May–Jun;103(3):32–5 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Histologic changes in porcine eyes treated with high–intensity focused ultrasound. Burgess SE, et al. **Ann Ophthalmol** 1987 Apr;19(4):133–8

Electron microscopic studies of the scleral collagen fiber in excessively high myopia. Liu KR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1986 Nov;85(11):1032–8

SCLERAL BUCKLING

Effect of scleral buckling on vector forces caused by epiretinal membranes. Michels RG, et al. **Am J Ophthalmol** 1986 Oct 15;102(4):449–51

Supplemental photocoagulation on the buckle for prevention of surgical revision after scleral buckling procedures. Chan CK, et al. **Arch Ophthalmol** 1987 Apr;105(4):490–6

Experimental studies on the disappearance of subretinal fluid after episcleral buckling procedures without drainage. Clemens S, et al. **Graefes Arch Clin Exp Ophthalmol** 1987; 225(1):16–8

The role of induced choroidal retinal adhesion in retinal detachment surgery. Chignell AH, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 5):580–2

[Retinal detachment with extensive retraction. Treatment by scleral buckling and vitrectomy. Preliminary results] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1986 Apr; 86(4):559–60, 563 (Eng. Abstr.) (Fre)

[What therapeutic attitude to adopt in juvenile retinoschisis?] Gerhard JP, et al. **Bull Soc Ophtalmol Fr** 1986 May; 86(5):703–4 (Eng. Abstr.) (Fre)

[Long–term experience using an intraocular silicone oil filling] Lucke K, et al. **Fortschr Ophthalmol** 1987;84(1):96–8 (Eng. Abstr.) (Ger)

[Ophthalmologic implants—a risk at high altitudes?] Frank P, et al. **Klin Monatsbl Augenheilkd** 1986 Dec;189(6):477–8 (Eng. Abstr.) (Ger)

[Expansion behavior of intravitreous sulfur hexafluoride in exposure to nitrous oxide] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1986 Jul;189(1):36–8 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Complications of scleral buckling procedures. Delaney WV Jr, et al. **Arch Ophthalmol** 1987 May;105(5):702–3

Scleral buckling with intraocular air injection complicated by arcuate retinal folds. Lewen RM, et al. **Arch Ophthalmol** 1987 Sep;105(9):1212–4

Giant papillary conjunctivitis associated with an extruded scleral buckle. Case report. Robin JB, et al. **Arch Ophthalmol** 1987 May;105(5):619

Giant cysts of the conjunctiva following scleral buckling. Newton JC, et al. **Ophthalmic Surg** 1987 Apr;18(4):295–8

INSTRUMENTATION

Modified Watzke sleeve spreader. Lambert HM. **Am J Ophthalmol** 1987 Sep 15;104(3):308–9

Half–thickness sponges for retinal detachment surgery [letter] Olk RJ. **Arch Ophthalmol** 1987 Jun;105(6):745–6

[Experimental studies using Polish–produced polyester implants in retinal detachment surgery. Remote results] Gerkowicz K, et al. **Klin Oczna** 1986 Aug;88(8):278–80 (Eng. Abstr.) (Pol)

[Results of the treatment of retinal detachment using episcleral silicone sponge implants] Hańczyc P, et al. **Klin Oczna** 1986 Apr;88(4):130–1 (Eng. Abstr.) (Pol)

METHODS

Use of fluorosilicone to unfold a giant retinal tear. Peyman GA, et al. **Int Ophthalmol** 1987 Jun;10(3):149–51

Geometric alterations produced by encircling scleral buckles. Biometric and clinical considerations. Harris MJ, et al. **Retina** 1987 Spring;7(1):14–9

Fresh retinal detachments—the role of scleral buckling. McLeod D. **Trans Ophthalmol Soc UK** 1986;105 (Pt 4):480–8

[A complication in gas surgery: injection of gas beneath the retina in a pseudophakic eye] Lincoff H, et al. **Klin Monatsbl Augenheilkd** 1987 Feb;190(2):127–30 (Eng. Abstr.) (Ger)

[Surgical treatment of retinal detachment without evacuation of the subretinal fluid] Kreissig I, et al. **Klin Oczna** 1986 Apr;88(4):113–9 (Eng. Abstr.) (Pol)

[Reinforcement of the sclera during surgical treatment of retinal detachment] Belousova ZF. **Oftalmol Zh** 1986; (7):445–6 (Rus)

VETERINARY

Surgical repair of rhegmatogenous retinal detachments in dogs. Dziezyc J, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):902–4

SCLEREDEMA ADULTORUM

Scleredema adultorum in a child. Tienboon P, et al. **J Med Assoc Thai** 1986 Nov;69(11):611–4

COMPLICATIONS

Scleredema adultorum associated with a monoclonal gammopathy and generalized hyperpigmentation. McFadden N, et al. **Arch Dermatol** 1987 May;123(5):629–32

Paraproteinemia in patients with scleredema. Clinical findings and serum effects on skin fibroblasts in vitro. Ohta A, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):96–107

METABOLISM

Scleredema and paraproteinemia. Enhanced collagen production and elevated type I procollagen messenger RNA level in fibroblasts grown from cultures from the fibrotic skin of a patient. Oikarinen A, et al. **Arch Dermatol** 1987 Feb;123(2):226–9

PATHOLOGY

Biochemical characterization and tissue distribution of the scleredema in a case of Buschke's disease. Roupe G, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):193–8

SCLEREMA NEONATORUM

PATHOLOGY

Scleredema in an infant. Heilbron B, et al. **Arch Dermatol** 1986 Dec;122(12):1417–9

SCLERODERMA, CIRCUMSCRIBED

Scleroderma in childhood. Singsen BH.

Pediatr Clin North Am 1986 Oct;33(5):1119–39 (70 ref.)

CHEMICALLY INDUCED

Scleroderma after occupational exposure to trichlorethylene and trichlorethane. Flindt-Hansen H, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):263–4

[Clinical and histopathological skin changes in workers chronically exposed to vinyl chloride] Giryn I, et al. **Przegl Dermatol** 1986 Nov–Dec;73(6):451–6 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Clinical subsets of scleroderma: relevance of fluorescent and precipitating antinuclear antibodies. Cassani F, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):23–8

COMPLICATIONS

Eosinophilic fasciitis (Shulman syndrome) in association with morphea, immunological disturbance and profuse achromia. Viraben R, et al. **Dermatologica** 1987;174(2):93–5

A case of primary biliary cirrhosis associated with generalized morphea. Suyama Y, et al. **Hepatogastroenterology** 1986 Oct;33(5):199–200

A case of facial hemiatrophy associated with linear scleroderma and homolateral masseter spasm. Parisi L, et al. **Ital J Neurol Sci** 1987 Feb;8(1):63–5

Platelike cutaneous osteoma. Monroe AB, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):481–4

Phenylketonuria and scleroderma. Brown EH, et al. **J Inherited Metab Dis** 1986;9(4):405–6

Childhood eosinophilic fasciitis—progression to linear scleroderma. Williams HJ, et al. **J Rheumatol** 1986 Oct; 13(5):961–2

[Severe diffuse scleroderma in a child] Somhegyi A, et al. **Orv Hetil** 1987 Apr 19;128(16):841–4 (Eng. Abstr.) **(Hun)**

[Scleroderma and ocular changes] Tosti A, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):97–9 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Pseudo oculomotor palsy as the presenting sign of linear scleroderma. Tang RA, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct;23(5):236–8

[Localized scleroderma: clinical and laboratory study of 11 cases] Martins RW, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Nov–Dec; 41(6):278–81 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Successful use of captopril in the treatment of "scleroderma renal crisis". Chapman PJ, et al. **Clin Nephrol** 1986 Aug; 26(2):106–8

[Treatment of circumscribed scleroderma in childhood] Nagy E, et al. **Z Hautkr** 1987 Apr 1;62(7):547–9 (Eng. Abstr.) **(Ger)**

[Treatment of localized scleroderma with systemic administration of a corticosteroid hormone] Yanase S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr;97(5):581–5 **(Jpn)**

ENZYMOLOGY

[Serum lysosomal hydrolases in various forms of scleroderma] Bonafé JL, et al. **Ann Dermatol Venereol** 1986; 113(11):1059–63 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Shulman syndrome, a scleroderma subtype caused by Borrelia burgdorferi? [letter] Stanek G, et al. **Lancet** 1987 Jun 27;1(8548):1490

Morphea another manifestation of Lyme disease? Aberer E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):266–7

FAMILIAL & GENETIC

Chromosome studies in scleroderma with consideration of anticentromere antibody status and assessment of possible in vitro clastogenic activity. Powell FC, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):414–8

Hereditary hypotrichosis and localized morphea: a new clinical entity. Kulin P, et al. **Pediatr Dermatol** 1986 Sep; 3(4):333–8

IMMUNOLOGY

Antinuclear antibodies and anti-DNA antibodies in scleroderma. A possible relationship between joint manifestations and increased antibodies in localized scleroderma. Serup J, et al. **Allergy** 1986 Aug;41(6):452–6

Antinuclear and anti-single-stranded DNA antibodies in morphea and generalized morphea. Falanga V, et al. **Arch Dermatol** 1987 Mar;123(3):350–3

Anticentromere antibody in localized scleroderma. Ruffatti A, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):637–42

Antibodies to Borrelia burgdorferi and localised scleroderma [letter] Hansen K, et al. **Lancet** 1987 Mar 21;1(8534):682

[Indications of the systemic character of circumscript scleroderma in children and adolescents] Albrecht-Nebe H, et al. **Dermatol Monatsschr** 1987;173(3):123–30 (Eng. Abstr.) **(Ger)**

[The antinuclear antibody spectrum in circumscribed forms of scleroderma] do Vale E, et al. **Dtsch Med Wochenschr** 1986 Dec 12;111(50):1922–7 (Eng. Abstr.) **(Ger)**

[Antigens of the HLA system (loci A and B) in patients with cutaneous lupus erythematosus and circumscribed scleroderma] Glavinskaia TA, et al. **Vestn Dermatol Venerol** 1987;(5):11–5 (Eng. Abstr.) **(Rus)**

[Study of the DNA-binding capacity of the blood serum in evaluating the activity of systemic lupus erythematosus and scleroderma] Glavinskaia TA, et al. **Vestn Dermatol Venerol** 1987;(6):20–2 (Eng. Abstr.) **(Rus)**

[Natural killer cell activity in patients with focal scleroderma] Suchkova TN, et al. **Vestn Dermatol Venerol** 1986;(10):13–7 (Eng. Abstr.) **(Rus)**

[Disorders of T-cell immunity in patients with focal scleroderma] Suchkova TN. **Vestn Dermatol Venerol** 1986; (11):12–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Hyaluronate in suction blisters from patients with scleroderma and various skin disorders. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):409–13

Alterations in scleroderma fibroblast surface glycoproteins associated with increased collagen synthesis. Kähäri VM, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):199–205

Coordinated regulation of type I and type III collagen production and mRNA levels of pro alpha 1(I) and pro alpha 2(I) collagen in cultured morphea fibroblasts. Vuorio T, et al. **Arch Dermatol Res** 1987;279(3):154–60

Severe subcutaneous calcification in the 'CREST' syndrome: evidence of high turnover of calcific deposits. Veerapen K, et al. **Br J Rheumatol** 1987 Apr;26(2):89–92

Elevated pro alpha 2(I) collagen mRNA levels in cultured scleroderma fibroblasts result from an increased transcription rate of the corresponding gene. Kähäri VM, et al. **FEBS Lett** 1987 May 11;215(2):331–4

[Serum and urinary glycosaminoglycans in various forms of scleroderma] Kniazev IuA, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):42–3 (Eng. Abstr.) **(Rus)**

[Lipid metabolism disorders in scleroderma] Khamaganova IV. **Vestn Dermatol Venerol** 1986;(9):13–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Evidence for spirochetal origin of circumscribed scleroderma (morphea). Aberer E, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):225–31

PATHOLOGY

Scleroderma in childhood. Kornreich HK, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):343–50

Culture of scleroderma fibroblasts in three-dimensional collagen lattices. Maquart FX, et al. **Biomed Pharmacother** 1986;40(5):194

[Increased retraction of collagen lattices by fibroblasts from patients with scleroderma] Gillery P, et al. **C R Acad Sci [III]** 1986;303(3):59–64 (Eng. Abstr.) **(Fre)**

[Vascular lesions and fibroblast metabolism in inflammatory diseases] Lapière CM. **Phlebologie** 1987 Jan–Mar;40(1):21–9 (Eng. Abstr.) **(Fre)**

[Lichen sclerosus et atrophicus-like circumscript scleroderma (Gougerot sclerolichen). Report of 2 cases] Wätzig V, et al. **Dermatol Monatsschr** 1987;173(1):24–8 (Eng. Abstr.) **(Ger)**

[Pasini and Pierini idiopathic and progressive atrophoderma in childhood] Lohrer R, et al. **Monatsschr Kinderheilkd** 1986 Dec;134(12):878–80 (Eng. Abstr.) **(Ger)**

[Sclerodermiform porphyria] Simon N, et al. **Z Hautkr** 1986 Nov 15;61(22):1607–21 (Eng. Abstr.) **(Ger)**

[Combined focal scleroderma with generalized myasthenia] Khamaganova IV. **Vestn Dermatol Venerol** 1986;(8):34–5 (Eng. Abstr.) **(Rus)**

THERAPY

[Use of phonophoresis of a filtrate of a mud solution (peloidin) with flucinar and iodobromine baths in the complex treatment of patients with focal scleroderma] Aleksaniants GD. **Vestn Dermatol Venerol** 1987;(1):51–3 (Eng. Abstr.) **(Rus)**

[Use of an electromagnetic field and iodine-bromine baths in the complex treatment of patients with circumscribed scleroderma] Aleksaniants GD. **Vestn Dermatol Venerol** 1987;(3):56–8 (Eng. Abstr.) **(Rus)**

[Use of balneo-, peloid- and centimeter-wave therapy in the complex treatment of patients with circumscribed scleroderma] Aleksaniants GD. **Vestn Dermatol Venerol** 1987;(6):58–60 (Eng. Abstr.) **(Rus)**

SCLERODERMA, SYSTEMIC

Scleroderma. Asboe-Hansen G. **J Am Acad Dermatol** 1987 Jul;17(1):102–8

Clinical profile of progressive systemic sclerosis in women. Gupta HL, et al. **J Indian Med Assoc** 1987 Feb;85(2):38–41

The renal involvement in scleroderma. A clinical and morphologic study. Voiculescu M, et al. **Med Interne** 1986 Oct–Dec;24(4):277–84

Scleroderma in childhood. Singsen BH. **Pediatr Clin North Am** 1986 Oct;33(5):1119–39 (70 ref.)

BLOOD

Polymorphonuclear neutrophil function in systemic sclerosis. Czirják L, et al. **Ann Rheum Dis** 1987 Apr;46(4):302–6

Dipyridamole decreases platelet-derived growth factor levels in human serum. Takehara K, et al. **Arteriosclerosis** 1987 Mar–Apr;7(2):152–8

Enhanced oxidative metabolism of neutrophils from patients with systemic sclerosis. Maslen CL, et al. **Br J Rheumatol** 1987 Apr;26(2):113–7

Factor VIII complex in progressive systemic sclerosis. Pagano L, et al. **Clin Exp Rheumatol** 1986 Oct–Dec; 4(4):319–21

Type III collagen aminopropeptide levels in serum of patients with progressive systemic scleroderma. Krieg T, et al. **J Invest Dermatol** 1986 Dec;87(6):788–91

An antigen in metaphase chromatin and the midbody of mammalian cells binds to scleroderma sera. Fritzler MJ, et al. **J Rheumatol** 1987 Apr;14(2):291–4

CHEMICALLY INDUCED

Benzene exposure and systemic sclerosis [letter] Czirják L, et al. **Ann Intern Med** 1987 Jul;107(1):118

Systemic sclerosis-like lesions during long-term penicillamine therapy for Wilson's disease. Miyagawa S, et al. **Br J Dermatol** 1987 Jan;116(1):95–100

Progressive systemic sclerosis occurring in patients exposed to chemicals. Czirják L, et al. **Int J Dermatol** 1987 Jul–Aug; 26(6):374–8

Progressive systemic sclerosis associated with exposure to trichloroethylene. Lockey JE, et al. **J Occup Med** 1987 Jun;29(6):493–6

CLASSIFICATION

Clinical subsets of scleroderma: relevance of fluorescent and precipitating antinuclear antibodies. Cassani F, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):23–8

Systemic sclerosis (scleroderma): clinical, genetic, and serologic subsets. Livingston JZ, et al. **J Rheumatol** 1987 Jun;14(3):512–8

[Classification of progressive systemic scleroderma] Holzmann H, et al. **Hautarzt** 1987 May;38(5):253–7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Peripheral neuropathy in course of progressive systemic sclerosis. Light and ultrastructural study. Di Trapani G, et al. **Acta Neuropathol (Berl)** 1986;72(2):103–10

Carcinoma of esophagus in patient with progressive systemic sclerosis. Nagendran T, et al. **Ala Med** 1986 Jun;55(12):32–4

Barrett's metaplasia and adenocarcinoma of the esophagus in scleroderma. Katzka DA, et al. **Am J Med** 1987 Jan; 82(1):46–52

Effects of splinting in the treatment of hand contractures in progressive systemic sclerosis. Seeger MW, et al. **Am J Occup Ther** 1987 Feb;41(2):118–21

Progressive systemic sclerosis and meralgia paraesthetica [letter] Kaufmann J, et al. **Ann Intern Med** 1986 Dec; 105(6):973

Impotence in systemic sclerosis [letter] Sukenik S, et al. **Ann Intern Med** 1987 Jun;106(6):910–1

Progressive systemic sclerosis and Graves' disease. Report of three cases. Nicholson D, et al. **Arch Intern Med** 1986 Dec;146(12):2350–2

D-penicillamine treatment of lung involvement in patients with systemic sclerosis (scleroderma). Medsger TA Jr. **Arthritis Rheum** 1987 Jul;30(7):832–4

Sclerodactyly complicating coeliac disease. Zammit-Maempel I, et al. **Br J Rheumatol** 1986 Nov; 25(4):396–8

Transient ascites in progressive systemic sclerosis. McAleer JJ, et al. **Br Med J [Clin Res]** 1986 Nov 8;293(6556):1211–2

Pulmonary involvement in systemic sclerosis. Association with anti-Scl 70 antibody and digital pitting. Manoussakis MN, et al. **Chest** 1987 Sep;92(3):509–13

Cardiopulmonary manifestations of systemic sclerosis. Owens GR, et al. **Chest** 1987 Jan;91(1):118–27 (79 ref.)

Bilateral aseptic necrosis of the lunate in systemic sclerosis. Agus B. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):155–7

Primary biliary cirrhosis and CREST-syndrome, a classical but rare association [letter] Eeckhout E, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):190–2

Multiple duodenum-jejunal diverticula in a case of scleroderma [letter] Milanes-Gonzalez A, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):289–90

Captopril vs. nifedipine [letter] Cases A, et al. **Clin Nephrol** 1987 May;27(5):269

Esophagitis in scleroderma. Prevalence and risk factors. Zamost BJ, et al. **Gastroenterology** 1987 Feb;92(2):421–8

Esophageal bezoar in progressive systemic sclerosis [letter] Grosskopf I, et al. **J Clin Gastroenterol** 1986 Dec;8(6):695–6

Esophageal-atrial fistula. Lambert DR, et al. **J Clin Gastroenterol** 1987 Jun;9(3):345–9

Scleroderma and hemolytic anemia in a patient with deficiency of IgA and C4: a hitherto undescribed association. Jones E, et al. **J Rheumatol** 1987 Jun;

14(3):609–12
The coexistence of systemic sclerosis (scleroderma) and Reiter's syndrome [letter] Kaufman LD, et al. **J Rheumatol** 1987 Feb;14(1):180–2
Coexistence of Sjögren's syndrome associated systemic sclerosis with Adie's syndrome [letter] Rossi P, et al. **J Rheumatol** 1986 Aug;13(4):823–5
Acute hemodynamic effects of ketanserin in pulmonary hypertension secondary to systemic sclerosis. Seibold JR, et al. **J Rheumatol** 1987 Jun;14(3):519–24
Impotence, carpal tunnel syndrome and peripheral neuropathy as presenting symptoms in progressive systemic sclerosis [letter] Sukenik S, et al. **J Rheumatol** 1987 Jun; 14(3):641–3
The value of echocardiography in the early diagnosis of myocardial impairment due to connective tissue diseases. Branea I, et al. **Med Interne** 1986 Jul–Sep;24(3):197–205
Mandibular condylosis and apertognathia as presenting symptoms in progressive systemic sclerosis (scleroderma). Pattern of mandibular bony lesions and atrophy of masticatory muscles in PSS, presumably caused by affected muscular arteries. Ramon Y, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):269–74
Superior oblique muscle paralysis in the CREST syndrome. Mejias E. **P R Health Sci J** 1986 Apr;5(1):27–9
Cryofibrinogenaemia and acute gangrene in systemic sclerosis. Barrett MC, et al. **Postgrad Med J** 1986 Oct; 62(732):935–6
Long-term ranitidine in progressive systemic sclerosis (scleroderma) with gastroesophageal reflux. Hendel L, et al. **Scand J Gastroenterol** 1986 Sep;21(7):799–805
Bioavailability of D-penicillamine in relation to gastrointestinal involvement of generalized scleroderma. Ammitzbøll T, et al. **Scand J Rheumatol** 1987;16(2):121–6
Association of Barrett's esophagus and scleroderma. Anderson M, et al. **South Med J** 1987 Jun;80(6):764–5
[Microangiopathy and arterial hypertension in scleroderma and periarteritis nodosa] Cacoub P, et al. **J Mal Vasc** 1986; 11(3):282–7 (Eng. Abstr.) **(Fre)**
[Bronchiolo-alveolar carcinoma complicating systemic scleroderma under long-term treatment with factor XIII] Grivaux M, et al. **Rev Pneumol Clin** 1987;43(2):102–3 (Eng. Abstr.) **(Fre)**
[Osteoarticular manifestations of scleroderma. Apropos of 14 cases] Kchir MM, et al. **Tunis Med** 1986 Mar;64(3):221–4 (Eng. Abstr.) **(Fre)**
[Organic stenosis of the esophagus in scleroderma: diagnostic and therapeutic aspects of a clinical case] Pomata M, et al. **Ann Ital Chir** 1985;57(6):495–502 (Eng. Abstr.) **(Ita)**
[The CREST syndrome] Barba A, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):109–10 (Eng. Abstr.) **(Ita)**
[Scleroderma and ocular changes] Tosti A, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):97–9 (Eng. Abstr.) **(Ita)**
[Pulmonary involvement in progressive systemic sclerosis] Yoshimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Dec; 24(12):1345–53 (Eng. Abstr.) **(Jpn)**
[The heart in scleroderma] Ciszewski A, et al. **Przegl Dermatol** 1986 Mar–Apr;73(2):165–70 (20 ref.) **(Pol)**
[Individual aspects of pathogenesis and diagnosis of cardiorespiratory disorders in rheumatoid arthritis and systemic scleroderma] Doroshenko IuA, et al. **Ter Arkh** 1986;58(7):68–72 (Eng. Abstr.) **(Rus)**
[Changes in the heart in progressive systemic sclerosis] Lipa I, et al. **Reumatizam** 1986;33(1–2):11–7 (Eng. Abstr.) **(Scr)**
[Electrocardiographic and echocardiographic manifestations in scleroderma. An analysis of the findings in 31 patients] Mendoza G, et al. **Rev Clin Esp** 1986 Oct;179(5):248–51 (Eng. Abstr.) **(Spa)**
[Primary biliary cirrhosis, CRST syndrome and Sjögren's syndrome. An uncommon association (letter)] Borda F, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):177–8 **(Spa)**
[Brown tumor of secondary hyperparathyroidism. Report of a case associated with intestinal malabsorption syndrome in a patient with progressive systemic sclerosis] Sierra Madero JG, et al. **Rev Invest Clin** 1986 Oct–Dec; 38(4):421–4 (Eng. Abstr.) **(Spa)**
[Pulmonary involvement in progressive systemic sclerosis] Grisanti M, et al. **Rev Med Chil** 1986 Oct;114(10):1002–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Nailfold capillaroscopy: a blinded study of its discriminatory value in scleroderma, systemic lupus erythematosus, and rheumatoid arthritis. McGill NW, et al. **Aust NZ J Med** 1986 Aug;16(4):457–60
A modified scleroderma skin scoring method. Kahaleh MB, et al. **Clin Exp Rheumatol** 1986 Oct–Dec;4(4):367–9
Eosinophilic fasciitis with atypical features. Goldstein MF, et al. **Cutis** 1987 Mar;39(3):214–6
Progressive systemic sclerosis and nervous system involvement. A review of 14 cases. Dierckx RA, et al. **Eur Neurol** 1987;26(3):134–40
Porphyria cutanea tarda simulating scleroderma. Goh CL. **Singapore Med J** 1987 Feb;28(1):83–8
[Anti-centromere antibody (ACA) and its significance for the diagnosis of CREST syndrome] Chen SE, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Dec;25(12):736–8, 776 (Eng. Abstr.) **(Chi)**
[Detection and application of autoantibody to centromere in chromosome spread] Wang HZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):404–6 (Eng. Abstr.) **(Chi)**
[Sclerodermatomyositis. Apropos of 13 cases] Guiziou C, et al. **Rev Rhum Mal Osteoartic** 1987 Jun;54(6):457–61 (Eng. Abstr.) **(Fre)**
[A special case: scleroderma] Ganssmann M, et al. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):351–2 (Eng. Abstr.) **(Ger)**
[Nuclear antibodies as serologic markers in progressive systemic scleroderma] Lakomek HJ, et al. **Hautarzt** 1987 Feb;38(2):63–9 (Eng. Abstr.) **(Ger)**
[General practice-relevant diagnostic and differential diagnostic aspects of collagen diseases. Sclerodermia progressiva, dermatomyositis and periarteritis nodosa] Apostoloff E, et al. **Z Arztl Fortbild (Jena)** 1987; 81(8):388–91 **(Ger)**
[Sclerodermal cardiopathy. Case contribution] Bulfoni A, et al. **Minerva Cardioangiol** 1987 Mar;35(3):107–10 (Eng. Abstr.) **(Ita)**
[A case of chronic intestinal pseudo-obstruction. Problems of differential diagnosis] Soardi GA, et al. **Radiol Med (Torino)** 1986 Oct;72(10):772–5 **(Ita)**
[Use of the lymphocyte-induced angiogenesis test and its variations in systemic scleroderma] Majewski S, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):361–6 (Eng. Abstr.) **(Pol)**
[Progressive systemic sclerosis without cutaneous involvement] Pereira RM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):144–7 (Eng. Abstr.) **(Por)**
[Methods of ultrasonic examination in diffuse connective tissue disease in children] Deliagin VM, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):25–30 (Eng. Abstr.) **(Rus)**
[Diagnostic significance of parameters of respiratory mechanics in systemic scleroderma and pneumosclerosis caused by chronic nonspecific lung diseases] Iakupova ZN. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):30–5 (Eng. Abstr.) **(Rus)**
[Primary lesion of the heart in systemic scleroderma] Voevodina NIu, et al. **Revmatologiia (Moskva)** 1987 Jan–Mar;(1):66–9 **(Rus)**
[Various aspects of the differential diagnosis of a pulmonary syndrome in systemic scleroderma and chronic aspecific lung diseases] Doroshenko IuA, et al. **Ter Arkh** 1987; 59(4):92–7 (Eng. Abstr.) **(Rus)**
[Case of Ayerza's disease clinically simulating systemic scleroderma] Mironets VI, et al. **Vrach Delo** 1986 Sep; (9):20–1 **(Rus)**
[The CREST syndrome. Apropos of a case] Nogueira J, et al. **Rev Esp Enferm Apar Dig** 1986 Oct;70(4):355–9 (Eng. Abstr.) **(Spa)**
[Antinuclear antibodies in progressive systemic sclerosis] Sepúlveda C, et al. **Rev Med Chil** 1986 Aug;114(8):731–6 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Combined EFA deficiency in a patient on long-term TPN. **Nutr Rev** 1986 Sep;44(9):301–5

DRUG THERAPY

Special uses for captopril. Materson BJ. **Am J Kidney Dis** 1987 Jul;10(1 Suppl 1):88–93 (51 ref.)
Cyclosporine in successful control of rapidly progressive scleroderma [letter] Appelboom T, et al. **Am J Med** 1987 Apr;82(4):866–7
Cyclosporin A in progressive systemic sclerosis [letter] Yocum DE, et al. **Am J Med** 1987 Aug;83(2):369–70
Pharmacodynamic effect of dipyridamole on thallium-201 myocardial perfusion in progressive systemic sclerosis with diffuse scleroderma. Kahan A, et al. **Ann Rheum Dis** 1986 Sep;45(9):718–25
Metoclopramide response in patients with progressive systemic sclerosis. Effect on esophageal and gastric motility abnormalities. Johnson DA, et al. **Arch Intern Med** 1987 Sep;147(9):1597–601
D-penicillamine therapy and interstitial lung disease in scleroderma. A long-term followup study. de Clerck LS, et al. **Arthritis Rheum** 1987 Jun;30(6):643–50
Plethysmographic patterns in scleroderma after percutaneous G.A.G. treatment. Costantini A, et al. **Boll Chim Farm** 1986 Oct;125(10):111S–115S
Cyclosporin A in systemic sclerosis [letter] Zachariae H, et al. **Br J Dermatol** 1987 May;116(5):741–2
The peripheral vascular effects of nifedipine in Raynaud's syndrome associated with scleroderma: a double blind crossover study. Finch MB, et al. **Clin Rheumatol** 1986 Dec;5(4):493–8
Colchicine suppression of local inflammation due to calcinosis in dermatomyositis and progressive systemic sclerosis. Fuchs D, et al. **Clin Rheumatol** 1986 Dec; 5(4):527–30
Effects of cisapride on gastric and esophageal emptying in progressive systemic sclerosis. Horowitz M, et al. **Gastroenterology** 1987 Aug;93(2):311–5
Successful treatment of scleroderma renal crisis with enalapril. Milsom SR, et al. **Postgrad Med J** 1986 Nov; 62(733):1059–60
Long-term griseofulvin treatment for progressive systemic sclerosis. Ferri C, et al. **Scand J Rheumatol** 1986; 15(4):356–62
[Large doses of adrenal corticosteroids in the treatment of pericarditis associated with progressive systemic sclerosis] Chen SL, et al. **Chung Hua Nei Ko Tsa Chih** 1986 Oct; 25(10):616–7, 638 (Eng. Abstr.) **(Chi)**
[Treatment of systemic scleroderma with ketanserin. Randomized, double-blind 6-months study of 27 cases] Cadranel J, et al. **Ann Med Interne (Paris)** 1986; 137(3):260–3 (Eng. Abstr.) **(Fre)**
[Evaluation of the effectiveness of diucifon in rheumatoid arthritis and systemic scleroderma] Abdrakhmanova RSh, et al. **Ter Arkh** 1986;58(7):101–3 **(Rus)**
[Penicillamine in the treatment of patients with systemic scleroderma] Gandzha IM. **Vrach Delo** 1987 May;(5):66–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Origin of the enhanced activity of lysosomal beta-galactosidase in serum and skin in progressive systemic sclerosis. Herrmann K, et al. **Arch Dermatol Res** 1987;279(5):299–302
Angiotensin converting enzyme (ACE) in scleroderma [letter] Matucci Cerinic M, et al. **Clin Rheumatol** 1987 Jun; 6(2):300–1
[Serum lysosomal hydrolases in various forms of scleroderma] Bonafé JL, et al. **Ann Dermatol Venereol** 1986; 113(11):1059–63 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Isolated Raynaud's phenomenon—a benign disorder. Sheiner NM, et al. **Ann Allergy** 1987 Feb;58(2):114–7
Systemic sclerosis: reasons to be optimistic [editorial] Myers AR. **Br J Rheumatol** 1987 Aug;26(4):241–3
Impotence in silicosis-associated scleroderma [letter] Barnadas MA, et al. **J Am Acad Dermatol** 1986 Dec; 15(6):1294–6
[Severe diffuse scleroderma in a child] Somhegyi A, et al. **Orv Hetil** 1987 Apr 19;128(16):841–4 (Eng. Abstr.) **(Hun)**
[Reynolds syndrome. First Italian epidemiologic data] Sala F, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug; 121(4):265–8 (Eng. Abstr.) **(Ita)**
[Microcirculatory disorders in the genesis of sclerodermic nephropathy] Anikina NV, et al. **Ter Arkh** 1986;58(8):62–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Chromosome studies in scleroderma with consideration of anticentromere antibody status and assessment of possible in vitro clastogenic activity. Powell FC, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):414–8
A cytogenetic analysis of twenty cases of systemic scleroderma. Romani F, et al. **Ann Genet (Paris)** 1986; 29(4):240–5
Antinuclear antibodies in the relatives and spouses of patients with systemic sclerosis. Maddison PJ, et al. **Ann Rheum Dis** 1986 Oct;45(10):793–9
A strong association between null alleles at the C4A locus in the major histocompatibility complex and systemic sclerosis. Briggs DC, et al. **Arthritis Rheum** 1986 Oct; 29(10):1274–7
Co-ordinate increase in the expression of type I and type III collagen genes in progressive systemic sclerosis fibroblasts. Jimenez SA, et al. **Biochem J** 1986 Aug 1; 237(3):837–43

HISTORY

Does a Pre-Raphaelite painting by Ford Madox Brown depict a case of systemic sclerosis? Borroni G. **Am J Dermatopathol** 1985 Aug;7(4):353–6

IMMUNOLOGY

Immunoglobulin G subclass distribution of autoantibodies in systemic sclerosis, primary biliary cirrhosis, and overlap syndromes. French MA, et al. **Ann Rheum Dis** 1987 Jun; 46(6):436–40
Characterisation of nucleolar proteins as autoantigens using human autoimmune sera. Pfeifle J, et al. **Ann Rheum Dis** 1986 Dec;45(12):978–86
Association of progressive systemic scleroderma to several HLA-B and HLA-DR alleles. Luderschmidt C, et al. **Arch Dermatol** 1987 Sep;123(9):1188–91
Infrequency of anticentromere antibody in patients without systemic sclerosis and without Raynaud's phenomenon [letter] Migliaresi S, et al. **Arthritis Rheum** 1987 Mar; 30(3):358–9
Monoclonal autoantibody from a (New Zealand black x New Zealand white)F1 mouse and some human scleroderma sera target an Mr 34,000 nucleolar protein of the U3 RNP particle. Reimer G, et al. **Arthritis Rheum** 1987 Jul; 30(7):793–800
Antibodies to collagen in scleroderma [letter] Rowley MJ, et al. **Arthritis Rheum** 1987 May;30(5):597
Autoantibodies against RNA polymerase I in scleroderma and Sjögren's syndrome sera [published erratum appears in Biochem Biophys Res Commun 1987 Jun 30;145(3):1404] Stetler DA, et al. **Biochem Biophys Res Commun** 1987 May

14;144(3):1296–302

Scl 70 antibody—a specific marker of systemic sclerosis. Jarzabek-Chorzelska M, et al. **Br J Dermatol** 1986 Oct; 115(4):393–401

Natural killer cell activity of peripheral blood mononuclear cells from patients with various forms of systemic scleroderma. Majewski S, et al. **Br J Dermatol** 1987 Jan; 116(1):1–8

Autoimmunity in 28 patients after allogeneic bone marrow transplantation: comparison with Sjögren syndrome and scleroderma. Rouquette-Gally AM, et al. **Br J Haematol** 1987 May;66(1):45–7

The clinical significance of the anticentromere antibody. Miller MH, et al. **Br J Rheumatol** 1987 Feb;26(1):17–21

Systemic scleroderma: a clinical and immunological study. Jiang SJ, et al. **Chin Med J [Engl]** 1986 Nov;99(11):885–92

Scl 70 autoantibodies from scleroderma patients recognize a 95 kDa protein identified as DNA topoisomerase I. Guldner HH, et al. **Chromosoma** 1986;94(2):132–8

Increased production of an interleukin 1 (IL-1) inhibitor with fibroblast stimulating activity by mononuclear cells from patients with scleroderma. Sandborg CI, et al. **Clin Exp Immunol** 1986 Nov;66(2):312–9

Defective production of leucocytic endogenous mediator (interleukin 1) by peripheral blood leucocytes of patients with systemic sclerosis, systemic lupus erythematosus, rheumatoid arthritis and mixed connective tissue disease. Whicher JT, et al. **Clin Exp Immunol** 1986 Jul;65(1):80–9

Abnormal lymphocyte function in scleroderma: a study on identical twins. Dustoor MM, et al. **Clin Immunol Immunopathol** 1987 Jul;44(1):20–30

Characterization of a polypeptide associated with coated vesicles and the cytoskeleton which is recognized by a CREST serum. Bower DJ, et al. **Exp Cell Res** 1986 Nov; 167(1):166–76

Inhibition of topoisomerase I by antibodies in sera from scleroderma patients. Samuels DS, et al. **FEBS Lett** 1986 Dec 15;209(2):231–4

An autoimmune antibody from scleroderma patients recognizes a component of the plant cell nucleolus. Vaughan MA. **Histochemistry** 1987;86(5):533–5

Autoantibody to RNA polymerase I in scleroderma sera. Reimer G, et al. **J Clin Invest** 1987 Jan;79(1):65–72

Immunolocalization and partial characterization of a nucleolar autoantigen (PM-Scl) associated with polymyositis/scleroderma overlap syndromes. Reimer G, et al. **J Immunol** 1986 Dec 15;137(12):3802–8

Different antibody patterns and different prognoses in patients with scleroderma with various extent of skin sclerosis. Giordano M, et al. **J Rheumatol** 1986 Oct; 13(5):911–6

Antibodies to topoisomerase I in sera from patients with scleroderma. Shero JH, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:138–40

Progressive systemic sclerosis: autoimmune arteriopathy [published erratum appears in Lancet 1987 Mar 14;1(8533):642] Evans DJ, et al. **Lancet** 1987 Feb 28; 1(8531):480–2

Complement activation in progressive systemic sclerosis [letter] Senaldi G, et al. **Lancet** 1987 May 16;1(8542):1143–4

Non-kinetochore directed autoantibodies in scleroderma/CREST. Identification of an activity recognizing a metaphase chromosome core non-histone protein. Jeppesen P, et al. **Mol Biol Med** 1986 Aug; 3(4):369–84

[Clinical significance of the anti-Sm antibody] Chen DL. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):13–5 (Eng. Abstr.) **(Chi)**

[Determination of anti-Scl-70 antibody and its clinical significance in progressive systemic sclerosis] Jiang M. **Chung Hua I Hsueh Tsa Chih** 1986 Jun;66(6):346–8, 384 (Eng. Abstr.) **(Chi)**

[Antinuclear antibody profile of progressive systemic sclerosis] Dong Y, et al. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):155–7, 190 (Eng. Abstr.) **(Chi)**

[Lupus anticoagulant and thromboses in scleroderma [letter]] Guillevin L, et al. **Ann Med Interne (Paris)** 1987;138(2):144 **(Fre)**

[Development of antinuclear antibodies in an acute scleroderma crisis (letter)] Fortin F, et al. **Nephrologie** 1987; 8(1):30 **(Fre)**

[Immunologic aspects of scleroderma (editorial)] Gosset D. **Rev Med Interne** 1986 May;7(3):225–8 **(Fre)**

[Anti-idiotypic antibodies reactive with autoantibodies to n-RNP demonstrated prior to production of anti-n-RNP antibodies in a patient with PM-PSS-RA overlap syndrome] Hirakata M, et al. **Ryumachi** 1986 Jun; 26(3):159–65 (Eng. Abstr.) **(Jpn)**

[Anticentromere and anti-Scl-70 antibodies as specific markers of systemic scleroderma] Blaszczyk M, et al. **Przegl Dermatol** 1986 May-Jun;73(3):185–90 (Eng. Abstr.) **(Pol)**

[The state of cellular immunity in patients with systemic scleroderma] Borisova AM, et al. **Ter Arkh** 1987;59(4):46–8 (Eng. Abstr.) **(Rus)**

[Study of the circulating lymphocytes populations in systemic scleroderma, chronic discoid lupus erythematosus and dermatomyositis] Ramírez Bosca A, et al. **Med Cutan Ibero Lat Am** 1986;14(5):306–10 (Eng. Abstr.) **(Spa)**

METABOLISM

Hyaluronate in suction blisters from patients with scleroderma and various skin disorders. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):409–13

Procollagen gene expression by scleroderma fibroblasts in culture. Inhibition of collagen production and reduction of pro alpha 1(I) and pro alpha 1(III) collagen messenger RNA steady-state levels by retinoids. Ohta A, et al. **Arthritis Rheum** 1987 Apr;30(4):404–11

Enterocyte function in progressive systemic sclerosis as estimated by the deconjugation of pteroyltriglutamate to folic acid. Hendel L, et al. **Gut** 1987 Apr;28(4):435–8

Persistence of a reduced-collagen-producing phenotype in cultured scleroderma fibroblasts after short-term exposure to interferons. Duncan MR, et al. **J Clin Invest** 1987 May; 79(5):1318–24

Transforming growth factor-beta: selective increase in glycosaminoglycan synthesis by cultures of fibroblasts from patients with progressive systemic sclerosis. Falanga V, et al. **J Invest Dermatol** 1987 Jul;89(1):100–4

Collagenous abnormalities in the heart of the tight-skin mouse. Osborn TG, et al. **J Mol Cell Cardiol** 1987 Jun; 19(6):581–7

[Physicochemical analysis of subcutaneous calcifications in a case of Thibierge-Weissenbach syndrome] Legros R, et al. **Ann Dermatol Venereol** 1986;113(6-7):535–40 (Eng. Abstr.) **(Fre)**

[Behavior of the turnover of I131-fibrinogen in various diseases of the connective tissue] Salli L, et al. **Minerva Med** 1987 Jan 15;78(1):29–32 (Eng. Abstr.) **(Ita)**

[Effect of a medium with a low serum content on protein synthesis and secretion and RNA and DNA synthesis in a skin fibroblast culture from patients with rheumatoid arthritis and systemic scleroderma] Abakumova OIu, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):706–9 (Eng. Abstr.) **(Rus)**

[Serum and urinary glycosaminoglycans in various forms of scleroderma] Kniazev IuA, et al. **Revmatologiia (Moskva)** 1986 Jul-Sep;(3):42–3 (Eng. Abstr.) **(Rus)**

MORTALITY

[Prognosis of generalized scleroderma. A retrospective study of 78 cases] Gouet D, et al. **Rev Med Interne** 1986 May; 7(3):233–41 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Silica-dust-exposed mine workers with scleroderma (systemic sclerosis). Cowie RL. **Chest** 1987 Aug; 92(2):260–2

PATHOLOGY

The vascular defect in scleroderma (systemic sclerosis). Leroy EC. **Acta Med Scand [Suppl]** 1987;715:165–7

Ultrastructure of the small intestinal mucosa in progressive systemic sclerosis (PSS). Hendel L, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Jan; 95(1):41–6

Scleroderma of the breast: light and electron microscopy study. Harrison GO, et al. **Am Surg** 1987 Sep;53(9):528–31

Nailfold capillary microscopy in connective tissue disease: a quantitative morphological analysis. Lefford F, et al. **Ann Rheum Dis** 1986 Sep;45(9):741–9

Mast cell numbers in diffuse scleroderma. Nishioka K, et al. **Arch Dermatol** 1987 Feb;123(2):205–8

Active proliferation of telangiectases in skin of patients with progressive systemic sclerosis (PSS). Kazandjian S, et al. **Arch Dermatol Res** 1986;279(1):8–11

Scleroderma in children. Cassidy JT, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):351–4

Scleroderma [clinical conference] Newman JH. **Del Med J** 1987 May;59(5):317–8, 323–8

Morphology and microanalysis of teeth in scleroderma. Knychalska-Karwan Z, et al. **Folia Histochem Cytobiol** 1986;24(3):257–62

Scleroderma and hearing loss: (histopathology of a case). Abou-Taleb A, et al. **J Laryngol Otol** 1987 Jul; 101(7):656–62

Cutaneous sclerosis localized to one limb after immobilization in a patient with CREST syndrome [letter] Varga J, et al. **J Rheumatol** 1987 Jun;14(3):637–8

In-vivo capillary-microscopical findings in patients with thrombangiitis obliterans, progressive systemic scleroderma, and rheumatoid arthritis, respectively. Ranft J, et al. **Klin Wochenschr** 1986 Oct 1;64(19):946–50

Comparison of quantitative and semiquantitative estimates of nailfold capillary abnormalities in scleroderma spectrum disorders. Maricq HR. **Microvasc Res** 1986 Sep;32(2):271–6

Is graft-versus-host disease a reliable model for scleroderma? Mekori YA, et al. **Ric Clin Lab** 1986 Oct-Dec;16(4):509–13

Renal vascular phenomena in systemic sclerosis (scleroderma). Eknoyan G, et al. **Semin Nephrol** 1985 Mar; 5(1):34–45

[Neonatal Hutchinson-Gilford progeria with cutaneous sclerodermiform involvement] Labeille B, et al. **Ann Dermatol Venereol** 1987;114(2):233–42 **(Fre)**

[Increased retraction of collagen lattices by fibroblasts from patients with scleroderma] Gillery P, et al. **C R Acad Sci [III]** 1986;303(3):59–64 (Eng. Abstr.) **(Fre)**

[Vascular lesions and fibroblast metabolism in inflammatory diseases] Lapière CM. **Phlebologie** 1987 Jan-Mar;40(1):21–9 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Longitudinal changes in lung function and respiratory symptoms in progressive systemic sclerosis. Prospective study. Greenwald GI, et al. **Am J Med** 1987 Jul;83(1):83–92

Reversible cold-induced abnormalities in myocardial perfusion and function in systemic sclerosis. Alexander EL, et al. **Ann Intern Med** 1986 Nov;105(5):661–8

Autonomic neuropathy in systemic sclerosis: a case report and evaluation of six patients. Sonnex C, et al. **Ann Rheum Dis** 1986 Nov;45(11):957–60

The acute phase response in scleroderma. Differing responses to intravenous PGE1. Smith EA, et al. **Clin Exp Rheumatol** 1986 Oct-Dec;4(4):341–5

Iatrogenic myelomonocytic leukemia following melphalan treatment of scleromyxedema. Helm F, et al. **Cutis** 1987 Mar;39(3):219–23

Intestinal involvement in progressive systemic sclerosis detected by increased unconjugated serum bile acids. Stellaard F, et al. **Gut** 1987 Apr;28(4):446–50

Scintigraphic detection of metoclopramide esophageal stimulation in progressive systemic sclerosis. Drane WE, et al. **J Nucl Med** 1987 May;28(5):810–5

Esophageal manometric findings in autoimmune rheumatic diseases: is scleroderma esophagus a specific entity? Tsianos EB, et al. **Rheumatol Int** 1987;7(1):23–7

Esophageal manometry and pH-probe monitoring in the evaluation of gastroesophageal reflux in patients with progressive systemic sclerosis. Stentoft P, et al. **Scand J Gastroenterol** 1987 May;22(4):499–504

Esophageal dysfunction and radionuclide transit in progressive systemic sclerosis. Akesson A, et al. **Scand J Rheumatol** 1987;16(4):291–9

[Physiopathologic bases of the treatment of systemic scleroderma] Blétry O, et al. **Rev Med Interne** 1986 May; 7(3):319–27 (66 ref.) (Eng. Abstr.) **(Fre)**

[Functional follow-up of pulmonary localization of scleroderma] Orvoen-Frija E, et al. **Rev Pneumol Clin** 1987; 43(3):138–44 (Eng. Abstr.) **(Fre)**

[Electromyographic studies in patients with progressive systemic sclerosis] Bravaccio F, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):398–403 (Eng. Abstr.) **(Ita)**

[Functional status of the lungs in systemic scleroderma] Koreshkov GG, et al. **Revmatologiia (Moskva)** 1986 Oct-Dec;(4):44–7 (Eng. Abstr.) **(Rus)**

[Echocardiographic study of heart function in systemic scleroderma] Kotel'nikova GP, et al. **Ter Arkh** 1986; 58(12):87–91 (Eng. Abstr.) **(Rus)**

[Noninvasive examination of the heart in progressive systemic sclerosis and systemic lupus erythematosus] Mechir J, et al. **Vnitr Lek** 1986 Nov;32(11):1087–93 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

The case of the bloated nurse. Jackson JE, et al. **Br J Radiol** 1987 Jul;60(715):721–2

Arteries of the hand in patients with scleroderma. Janevski B. **Diagn Imag Clin Med** 1986;55(4-5):262–5

Fibrosarcoma in a patient with scleroderma. Greyson-Fleg RT, et al. **J Comput Tomogr** 1987 Jul;11(3):318–21

Radiologic case study. Massive mandibular osteolysis in progressive systemic sclerosis. Awwad EE, et al. **Orthopedics** 1987 May;10(5):800, 803–8

[Calcinosis interstitialis in progressive scleroderma] Loreck D, et al. **Radiol Diagn (Berl)** 1986;27(4):507–18 (Eng. Abstr.) **(Ger)**

[Detection of collagen and apatite in calcium salt deposits in progressive scleroderma] Loreck D, et al. **Radiol Diagn (Berl)** 1986;27(4):519–25 (Eng. Abstr.) **(Ger)**

[Soft tissue changes in the hands in progressive scleroderma (excluding calcifications)] Fischer E. **ROFO** 1987 Feb; 146(2):200–6 (Eng. Abstr.) **(Ger)**

[Enthetic reactions of the hand in progressive scleroderma] Fischer E. **Z Rheumatol** 1986 Sep-Oct;45(5):255–9 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Gastroesophageal reflux demonstrated by hepatobiliary imaging in scleroderma. Sawaf NW, et al. **J Nucl Med** 1987 Mar;28(3):387–9

REHABILITATION

[Physical therapy of progressive scleroderma] Brenke R, et al. **Dermatol Monatsschr** 1987;173(1):1–7 (Eng. Abstr.) **(Ger)**

SURGERY

Microsurgical revascularisation of the hand in scleroderma. Jones NF, et al. **Br J Plast Surg** 1987 May;40(3):264–9

Surgery for scleroderma of the hand. Jones NF, et al. **J Hand Surg [Am]** 1987 May;12(3):391–400

THERAPY

Treatment of cutaneous sclerosis and aplastic anemia with antithymocyte globulin. Balaban EP, et al.

Ann Intern Med 1987 Jan;106(1):56–8
[Update on the treatment of systemic sclerosis] Priollet P, et al. **J Mal Vasc** 1987;12(2):213–7 (40 ref.) (Eng. Abstr.) **(Fre)**

URINE

Urinary glycosaminoglycan excretion in systemic sclerosis subsets compared with normal controls. Chuck AJ, et al. **Br J Rheumatol** 1987 Aug;26(4):259–61
Significant increase of urinary low-sulfated heparan-sulfate-related protein in patients with severe systemic scleroderma. Kitabatake M, et al. **Dermatologica** 1987;174(4):166–72

VETERINARY

Sclerosing enteropathy in a dog. Swayne DE, et al. **Vet Pathol** 1986 Sep;23(5):641–3

SCLEROMA, NASAL see RHINOSCLEROMA

SCLEROSING SOLUTIONS

[The importance and role of sclerotization in the therapy of esophageal varices in children] Janec M, et al. **Bratisl Lek Listy** 1987 Mar;87(3):337–42 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

A rapid and relatively safer method of sclerosing esophageal varices utilizing a new transparent tube. Kitano S, et al. **Am J Surg** 1987 Mar;153(3):317–9
The selective role of endoscopic sclerotherapy in the management of bleeding esophageal varices. Thomas T, et al. **Am Surg** 1986 Nov;52(11):573–6
Prospective randomized trial comparing two injection techniques for sclerosing oesophageal varices: over-tube and free-hand. Kitano S, et al. **Br J Surg** 1987 Jul; 74(7):603–6
Endoscopic injection therapy for nonvariceal upper gastrointestinal hemorrhage—is it too good to be true? [editorial] Schuman BM. **Gastrointest Endosc** 1987 Apr; 33(2):121–2
Intravariceal versus paravariceal sclerotherapy: a prospective, controlled, randomised trial. Sarin SK, et al. **Gut** 1987 Jun;28(6):657–62
Endoscopic injection sclerotherapy for esophageal varices in extrahepatic portal venous obstruction. Bhargava DK. **Indian Pediatr** 1986 Nov;23(11):932–6
Endoscopic variceal sclerotherapy: a preliminary communication. Satyaprakash BS, et al. **Indian Pediatr** 1986 Nov;23(11):945–7
Percutaneous sclerotherapy of the internal spermatic vein for varicocele through an open ended guide wire. Wilms G, et al. **ROFO** 1987 Aug;147(2):168–70
[CT-guided sclerosing therapy of kidney cysts. Report of experience with 100 patients] Mansfeld L, et al. **ROFO** 1987 Jun;146(6):674–80 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Bilateral perinephric abscesses: a complication of endoscopic injection sclerotherapy. Ritchie MT, et al. **Am J Gastroenterol** 1987 Jul;82(7):670–3
Complications of endoscopic injection sclerotherapy: a review. Schuman BM, et al. **Am J Gastroenterol** 1987 Sep; 82(9):823–30 (97 ref.)
The occurrence of deep venous thrombosis following compression sclerotherapy. Stevenson IM, et al. **Angiology** 1976 May;27(5):311–21
Acute respiratory distress during sclerotherapy for esophageal varices [letter] Musso R, et al. **Ann Intern Med** 1987 Apr;106(4):640
Refractory sclerotherapy-induced esophageal strictures. Tabibian N, et al. **Ann Intern Med** 1987 Jan;106(1):59–60
Ulcer of the gastric fundus associated with sclerosis of esophageal varices [letter] Castro-Fernández M, et al. **Endoscopy** 1987 May;19(3):143–4
Heart failure as a side effect of polidocanol given for oesophageal variceal sclerosis [letter] Imperiali G, et al. **Endoscopy** 1986 Sep;18(5):207
Oesophageal stenosis—a complication of sclerotherapy of oesophageal varices. Schellong H, et al. **Endoscopy** 1986 Nov;18(6):223–6
Endoscopic sclerotherapy using absolute alcohol [letter] Bhargava DK, et al. **Gut** 1986 Dec;27(12):1518
Factors influencing oesophageal ulcer formation following sclerotherapy. Sarin Sk, et al. **Indian J Gastroenterol** 1987 Jan;6(1):21–3
Argyria: the intradermal "photograph," a manifestation of passive photosensitivity. Shelley WB, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):211–7
Postsclerotherapy hyperpigmentation: a histologic evaluation. Goldman MP, et al. **J Dermatol Surg Oncol** 1987 May;13(5):547–50
Endoscopic injection sclerotherapy for esophageal varices: radiological monitoring of undesired sequelae. Purri P, et al. **Rays** 1986 May-Aug;11(2):31–5
Cardiac tamponade as a result of endoscopic sclerotherapy: report of a case. Tabibian N, et al. **Surgery** 1987 Sep; 102(3):546–7
[Morphology and function of the esophagus after sclerotherapy of esophageal varices in cirrhotic patients] Bretagne JF, et al. **Gastroenterol Clin Biol** 1987 Jan; 11(1):48–55 (Eng. Abstr.) **(Fre)**
[2 cases of bacterial meningitis after sclerotherapy of esophageal varices (letter)] Champigneulle B, et al. **Gastroenterol Clin Biol** 1986 Aug-Sep;10(8–9):612–3 **(Fre)**
[Abscess of the brain after endoscopic sclerosis of esophageal varices (letter)] Lamouliatte H, et al. **Gastroenterol Clin Biol** 1986 Aug-Sep;10(8–9):613–4 **(Fre)**
[Does sclerotherapy of esophageal varices induce cholestasis? (letter)] Raoul JL, et al. **Gastroenterol Clin Biol** 1986 Aug-Sep;10(8–9):611–2 **(Fre)**
[Intramural hematoma of the esophagus after endoscopic sclerotherapy. X-ray computed tomographic aspect and course] Mouelhi MM, et al. **J Radiol** 1987 Jun-Jul; 68(6-7):465–9 (Eng. Abstr.) **(Fre)**
[Arterial complications of surgery and sclerosis of varices] Cockett FB. **Phlebologie** 1987 Jan-Mar;40(1):107–10 **(Fre)**
[Lesion of the triceps surae after sclerosing injection in the territory of the external saphenous vein] Natali J. **Phlebologie** 1987 Apr-Jun;40(2):315–24 (Eng. Abstr.) **(Fre)**
[Hemorrhagic gastric ulcer following endoscopic sclerosis of esophageal varices (letter)] Bonvoisin S, et al. **Presse Med** 1987 May 23;16(19):966 **(Fre)**
[Complications of sclerosing of varicose veins—4 and one-half years' personal experience] Oesch A. **Vasa** 1987; 16(2):130–2 (Eng. Abstr.) **(Ger)**
[Esophageal ulcer subsequent to endoscopic sclerosis of varices. Prophylaxis and therapy with sodium alginate] Caletti GC, et al. **Minerva Dietol Gastroenterol** 1986 Oct-Dec;32(4):379–84 (Eng. Abstr.) **(Ita)**
[Clinical evaluation of esophageal ulceration in endoscopic injection sclerotherapy (EIS)] Inoue R. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1015–24 (Eng. Abstr.) **(Jpn)**
[Hepatic failure due to disseminated intrahepatic portal vein thrombosis after endoscopic sclerotherapy of a cirrhotic patient] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2616–20 **(Jpn)**
[Deterioration of liver function in cirrhotic patients following endoscopic sclerotherapy of esophageal varices] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):684–9 (Eng. Abstr.) **(Jpn)**
[Changes in gastric mucosal lesions after endoscopic injection sclerotherapy (EIS)—analysis from the standpoints of gastric mucosal microcirculation and liver function] Nishida H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May;84(5):1037–44 (Eng. Abstr.) **(Jpn)**
[Esophageal ulcers after endoscopic injection sclerotherapy and changes in esophageal motility] Okano H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2509–13 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

[In vitro assay of cytotoxicity of sclerosants against esophageal varices on human cultured endothelial cells] Orikasa K. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul; 83(7):1409 **(Jpn)**

THERAPEUTIC USE

Prognostic indicators in acute variceal hemorrhage after treatment by schlerotherapy. Prindiville T, et al. **Am J Gastroenterol** 1987 Jul;82(7):655–9
The role of sclerotherapy in the treatment of esophageal varices: personal experience and a review of randomized trials. Snady H. **Am J Gastroenterol** 1987 Sep;82(9):813–22
Flush ligation and compression sclerotherapy for the control of venous disease. Sladen JG. **Am J Surg** 1986 Nov; 152(5):535–8
Peritoneo-venous shunting and endoscopic sclerotherapy in patients with portal hypertension. Söderlund C, et al. **Ann Chir Gynaecol** 1986;75(6):319–24
Treatment of hemangiomas by sclerosing agents: an experimental and clinical study. Govrin-Yehudain J, et al. **Ann Plast Surg** 1987 Jun;18(6):465–9
Shunt surgery versus endoscopic sclerotherapy for long-term treatment of variceal bleeding. Early results of a randomized trial. Rikkers LF, et al. **Ann Surg** 1987 Sep; 206(3):261–71
Sclerosing thyroid cysts using a polytef intravenous cannula [letter] Tajiri J, et al. **Arch Intern Med** 1986 Oct; 146(10):2088
Injection sclerotherapy in adult patients with extrahepatic portal venous obstruction. Kahn D, et al. **Br J Surg** 1987 Jul;74(7):600–2
Mechanism of the haemostatic effect of ethanolamine oleate in the injection sclerotherapy for oesophageal varices. Kang JH, et al. **Br J Surg** 1987 Jan;74(1):50–3
New approach in the management of oesophageal varices. Ono J, et al. **Br J Surg** 1987 Jul;74(7):607–9
Endoscopic injection of alcohol for bleeding from gastroduodenal vascular anomalies. Rose JD. **Br Med J [Clin Res]** 1987 Jul 11;295(6590):93–4
Treatment of post-radiotherapy telangiectasia by injection sclerotherapy. Gordon AB, et al. **Clin Radiol** 1987 Jan; 38(1):25–6
Sclerotherapy for superficial venules and telangiectasias of the lower extremities. Goldman PM. **Dermatol Clin** 1987 Apr;5(2):369–79
Combined ligation-injection treatment of hemorrhoids. Slezak FA, et al. **Dis Colon Rectum** 1987 Feb;30(2):147–8
Can follow-up sclerotherapy for oesophageal varices be improved? Early results of a new technique [published erratum appears in Endoscopy 1987 Jan;19(1):50] Hosking SW, et al. **Endoscopy** 1986 Sep;18(5):171–3
Endoscopic sclerotherapy or selective embolisation of esophageal varices. An endoscopic and portographic study in an experimental model. Jensen LS, et al. **Endoscopy** 1987 May;19(3):96–100
Extent of thrombi following sclerotherapy of esophageal varices. Matsumoto S, et al. **Gastroenterol Jpn** 1986 Oct; 21(5):447–53
Usefulness of manometric assessment of varices in maintenance sclerotherapy. A controlled trial. Hosking SW, et al. **Gastroenterology** 1987 Oct;93(4):846–51
A comparison of immediate versus delayed endoscopic injection sclerosis of bleeding esophageal varices. Prindiville T, et al. **Gastrointest Endosc** 1986 Dec; 32(6):385–8
Control of massive hemorrhage from rectal varices with sclerotherapy. Weiserbs DB, et al. **Gastrointest Endosc** 1986 Dec;32(6):419–21
Variceal sclerotherapy: further progress. Smith PM. **Gut** 1987 Jun;28(6):645–9
Injection sclerotherapy of bleeding esophageal varices: the Henry Ford Hospital experience. Verbeck SR, et al. **Henry Ford Hosp Med J** 1986;34(2):120–2
Ethanolamine oleate is superior to polidocanol (aethoxysklerol) for endoscopic injection sclerotherapy of esophageal varices: a prospective randomized trial. Kitano S, et al. **Hepatogastroenterology** 1987 Feb;34(1):19–23
Prevention of recurrent bleeding in cirrhotics with recent variceal hemorrhage: prospective, randomized comparison of propranolol and sclerotherapy. Fleig WE, et al. **Hepatology** 1987 Mar-Apr;7(2):355–61
Sclerotherapy vs. distal splenorenal shunt in the elective treatment of variceal hemorrhage: a randomized controlled trial. Terés J, et al. **Hepatology** 1987 May-Jun;7(3):430–6
Sclerotherapy for esophageal varices—a prospective study [letter] Trivedi DR, et al. **Indian J Gastroenterol** 1986 Oct; 5(4):293
Esophageal injection sclerosis. McClave SA. **Int J Dermatol** 1987 May;26(4):244–9 (41 ref.)
Endoscopic sclerotherapy of oesophageal varices. Dalal L. **J Assoc Physicians India** 1986 Oct;34(10):727–30 (65 ref.)
Acute ileal variceal hemorrhage secondary to esophageal sclerotherapy. Arst HF, et al. **J Clin Gastroenterol** 1986 Oct;8(5):603–4
Emerging technology. Patient protection versus proliferation. Symposium. McMahon LF Jr, et al. **J Clin Gastroenterol** 1987 Jun;9(3):258–73
Esophageal perforation after fiberoptic variceal sclerotherapy. Perino LE, et al. **J Clin Gastroenterol** 1987 Jun;9(3):286–9
More on spider veins [letter] Mantse L. **J Dermatol Surg Oncol** 1986 Oct;12(10):1022, 1028
Microvaricosities. Sumrall AJ. **J Natl Med Assoc** 1986 Oct; 78(10):975–8
Treatment of bilateral spontaneous dural carotid-cavernous fistulas by coils and sclerotherapy. Case report. Courtheoux P, et al. **J Neurosurg** 1987 Mar;66(3):468–70
Evaluation of endoscopic sclerotherapy of esophageal varices in children. Donovan TJ, et al. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):696–700
Prevention of variceal bleeding. Mowat AP. **J Pediatr Gastroenterol Nutr** 1986 Sep-Oct;5(5):679–81 (37 ref.)
Endoscopic sclerotherapy versus portacaval shunt in patient with severe cirrhosis and acute variceal hemorrhage. Long-term follow-up. Cello JP, et al. **N Engl J Med** 1987 Jan 1;316(1):11–5
Idiopathic varicoceles: feasibility of percutaneous sclerotherapy. Sigmund G, et al. **Radiology** 1987 Jul; 164(1):161–8
Effect of endoscopic sclerotherapy of esophageal varices on liver blood flow and liver function. An experimental study. Jensen LS, et al. **Scand J Gastroenterol** 1987 Jun; 22(5):619–26
A randomized controlled trial of variceal compression as an adjunct to endoscopic variceal sclerosis. Rhodes JM, et al. **Scand J Gastroenterol** 1986 Dec;21(10):1217–20
Sclerotherapy of oral haemangioma with 3% sodium tetradecyl sulphate—a case report. Ling KC. **Singapore Med J** 1986 Jun;27(3):244–6
Treatment of complicated or infected pilonidal sinus disease by local application of phenol. Hegge HG, et al. **Surgery** 1987 Jul;102(1):52–4
Combined therapy for esophageal varices: sclerotherapy, embolization, and splenopneumopexy. Ono J, et al. **Surgery** 1987 May;101(5):535–43
Platelet and blood clotting activation after endoscopic sclerotherapy of oesophageal varices in liver cirrhosis. Biagi G, et al. **Thromb Res** 1986 Nov 1;44(3):411–6
Endoscopic sclerotherapy for oesophageal varices. Current status in Nigeria. Arigbabu AO, et al. **Trop Doct** 1987 Jul; 17(3):111–3
Sclerotherapy for bleeding esophageal varices after randomized trials. Lieberman DA. **West J Med** 1986 Oct; 145(4):481–4 (25 ref.)

[Course of patients after eradication of esophageal varices by sclerotherapy: influence of the site of the first hemorrhage (letter)] Bretagne JF, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):341–2 **(Fre)**

[Outcome of patients after obliteration of esophageal varices by endoscopic sclerosis. Results of a prospective study] Vinel JP, et al. **Gastroenterol Clin Biol** 1986 Aug–Sep; 10(8–9):584–8 (Eng. Abstr.) **(Fre)**

[Doppler and ultrasonic diagnosis in sclerosis of the saphenous veins] Schadeck M. **Phlebologie** 1986 Jul–Sep; 39(3):697–716 (Eng. Abstr.) **(Fre)**

[Sclerosis of varices in aged persons] Wallois P. **Phlebologie** 1986 Oct–Dec;39(4):863–8 **(Fre)**

[Sclerotherapy of esophageal varices] di Felice G. **Schweiz Rundsch Med Prax** 1987 Jan 6;76(1–2):19–21 (Eng. Abstr.) **(Fre)**

[Intravascular sclerotherapy of esophageal varices—St. Gall experience, 1982–1985] Eigenmann F, et al. **Schweiz Rundsch Med Prax** 1987 Jan 6;76(1–2):16–8 (Eng. Abstr.) **(Fre)**

[Sclerotherapy of esophageal varices—medium- and long-term course] Realini S, et al. **Schweiz Rundsch Med Prax** 1987 Jan 6;76(1–2):13–5 (Eng. Abstr.) **(Fre)**

[Results of a 5-year follow-up of sclerosing therapy in 106 patients with primary varicose veins of the lower extremity] Härtel S. **Dermatol Monatsschr** 1987;173(6):333–6 (Eng. Abstr.) **(Ger)**

[Results of treatment of esophageal varix bleeding in 70-to-90-year-old patients. A prospective study] Schellong H, et al. **Dtsch Med Wochenschr** 1987 Mar 20; 112(12):462–5 (Eng. Abstr.) **(Ger)**

[Preventive sclerosis of esophageal varices] Soehendra N. **Dtsch Med Wochenschr** 1986 Oct 31;111(44):1692–3 (14 ref.) **(Ger)**

[Prophylactic sclerosing of esophageal varices. Results of a prospective randomized 7-year longitudinal study] Wördehoff D, et al. **Dtsch Med Wochenschr** 1987 Jun 12; 112(24):947–51 (Eng. Abstr.) **(Ger)**

[Esophageal function following sclerotherapy of esophageal varices] Feussner H, et al. **Langenbecks Arch Chir** 1986; 369:79–81 (Eng. Abstr.) **(Ger)**

[Indications for preventive sclerosing treatment of esophageal varices] Paquet KJ. **Langenbecks Arch Chir** 1986;369:69–74 (Eng. Abstr.) **(Ger)**

[Indications for preventive sclerosing of esophageal varices] Schneider B, et al. **Langenbecks Arch Chir** 1986;369:75–8 (Eng. Abstr.) **(Ger)**

[Sclerosing of esophageal varices: methods and results] Teltscher UK, et al. **Med Klin** 1987 Jan 16;82(1):30–5 **(Ger)**

[Percutaneous sclerotherapy of testicular vein insufficiency in persistent and recurrent varicocele] Sigmund G, et al. **Radiologe** 1986 Nov;26(11):534–41 (Eng. Abstr.) **(Ger)**

[Pulsed duplex sonographic follow-up of varicoceles following sclerotherapy] Haller J, et al. **ROFO** 1986 Nov; 145(5):547–50 (Eng. Abstr.) **(Ger)**

[Is sclerotherapy of fundus varices possible?] Huber M, et al. **Schweiz Rundsch Med Prax** 1987 Jan 6;76(1–2):22–4 (Eng. Abstr.) **(Ger)**

[Endoscopic sclerotherapy of bleeding arterial upper gastrointestinal lesions] Meier J, et al. **Schweiz Rundsch Med Prax** 1987 Jan 6;76(1–2):10–2 (Eng. Abstr.) **(Ger)**

[Thromboses in deep veins and in arteries following sclerosing of varicose veins] Goor W, et al. **Vasa** 1987; 16(2):124–9 (Eng. Abstr.) **(Ger)**

[Sclerosing drugs in the treatment of esophageal varices] Soehendra N. **Z Gastroenterol** 1986 Oct;24(10):603–4 **(Ger)**

[Drug sclerosing of kidney cysts] Reuter HJ. **Z Urol Nephrol** 1986 Sep;79(9):503–9 (Eng. Abstr.) **(Ger)**

[Sclerosing treatment of esophageal varices in portal hypertension in childhood] Füzesi K, et al. **Orv Hetil** 1986 Sep 21;127(38):2307–9 (Eng. Abstr.) **(Hun)**

[Justification of sclerosing therapy of childhood esophageal varices (letter)] Kupcsulik P. **Orv Hetil** 1986 Dec 14; 127(50):3091 **(Hun)**

[Surgical and sclerosing therapy of varices of the legs] Lapilli A, et al. **Minerva Cardioangiol** 1987 Apr;35(4):219–24 (Eng. Abstr.) **(Ita)**

[Emergency endoscopic sclerosis in hemorrhage due to esophageal varices] Salmi A, et al. **Minerva Dietol Gastroenterol** 1986 Jul–Sep;32(3):313–5 (Eng. Abstr.) **(Ita)**

[Sclerotherapy of thyroid cysts] Marranzini A, et al. **Minerva Med** 1986 Oct 6;77(38):1721–3 (Eng. Abstr.) **(Ita)**

[Evaluation of the results of various technics of non-surgical therapy of varicocele] Gasparini D. **Radiol Med (Torino)** 1987 Apr;73(4):304–9 (Eng. Abstr.) **(Ita)**

[Relation between gastric mucosal lesions and gastric mucosal blood flow after endoscopic injection sclerotherapy] Nishida H. **Nippon Shokakibyo Gakkai Zasshi** 1987 Jan; 84(1):123 **(Jpn)**

[Gastric mucosal blood flow: the effect of esophageal transection and endoscopic sclerotherapy of treatment of esophageal varices in liver cirrhosis] Nishiwaka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Apr;84(4):833–9 **(Jpn)**

[Pressure monitoring in endoscopic sclerotherapy] Sakamoto H. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar;84(3):768 **(Jpn)**

[Endoscopic hemostasis in the upper gastrointestinal tract] Ostborg J, et al. **Tidsskr Nor Laegeforen** 1987 Apr 10; 107(10–11):929–30 (Eng. Abstr.) **(Nor)**

[Endoscopic sclerotherapy of esophageal varices] Cijevschi C. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep; 90(3):555–8 (36 ref.) **(Rum)**

[Arrest and prevention of esophageal hemorrhage in patients with portal hypertension] Kan Ch, et al. **Klin Med (Mosk)** 1987 Jun;65(6):95–9 (Eng. Abstr.) **(Rus)**

[Transfemoral intravascular occlusion of the left testicular vein in treating varicocele] Ralkevich NP, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr;(2):30–3 (Eng. Abstr.) **(Rus)**

[Endoscopic sclerosis of esophageal varices in children] Guelrud M, et al. **GEN** 1986 Jan–Mar;40(1):24–6 (Eng. Abstr.) **(Spa)**

[Sclerotherapy and/or surgery in bleeding esophageal varices?] Haglund U, et al. **Lakartidningen** 1987 Mar 25; 84(13):1050–1, 1054 **(Swe)**

[Endoscopic sclerotherapy—a first choice method in bleeding esophageal varices] Söderlund C. **Lakartidningen** 1986 Sep 10;83(37):3013–6 (Eng. Abstr.) **(Swe)**

TOXICITY

Extravascular effects of sclerosants in rabbit skin: a clinical and histologic examination. Goldman MP, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1085–8

[Effect of various sclerosing drugs on the rat esophagus] Metz KA, et al. **Z Gastroenterol** 1986 Oct;24(10):605–11 (Eng. Abstr.) **(Ger)**

SCLEROSIS

IMMUNOLOGY

A highly conserved 72,000 dalton centromeric antigen reactive with autoantibodies from patients with progressive systemic sclerosis. McNeilage LJ, et al. **J Immunol** 1986 Oct 15;137(8):2541–7

SURGERY

Stapedectomy in tympanosclerosis. A report of 67 cases. Gormley PK. **Am J Otol** 1987 Mar;8(2):123–30

SCLEROSIS, DISSEMINATED see **MULTIPLE SCLEROSIS**

SCLEROSIS, HEREDITARY SPINAL see **FRIEDREICH'S ATAXIA**

SCLEROSIS, PRESENILE see **DEMENTIA, PRESENILE**

SCLEROSIS, PROGRESSIVE SYSTEMIC see **SCLERODERMA, SYSTEMIC**

SCLEROTINIA see **ASCOMYCETES**

SCOLIOSIS

Computerized documentation of scoliosis. Zagra A, et al. **Ital J Orthop Traumatol** 1986 Dec;12(4):485–97

Scoliosis: how big are you? Dickson RA. **Orthopedics** 1987 Jun;10(6):881–7 (24 ref.)

The natural history of idiopathic scoliosis. Scoliosis Research Society. Orlando, Florida, September 18–22, 1984. **Spine** 1986 Oct;11(8):771–808

Natural history of untreated idiopathic scoliosis after skeletal maturity. Ascani E, et al. **Spine** 1986 Oct;11(8):784–9

The natural history of idiopathic scoliosis before skeletal maturity. Bunnell WP. **Spine** 1986 Oct;11(8):773–6

Natural history of idiopathic scoliosis in girls and boys. Picault C, et al. **Spine** 1986 Oct;11(8):777–8

Idiopathic scoliosis. Natural history. Weinstein SL. **Spine** 1986 Oct;11(8):780–3

BLOOD

Platelet pathology in minimal curve idiopathic scoliosis: an attempt to predict curve progression. Meyer S, et al. **J Orthop Res** 1987;5(3):330–6

CLASSIFICATION

[Classification of scoliosis by degree of severity] Neiman IZ. **Ortop Travmatol Protez** 1987 Jan;(1):61–3 **(Rus)**

COMPLICATIONS

MR imaging of syringohydromyelia and Chiari malformations in myelomeningocele patients with scoliosis. Samuelsson L, et al. **AJNR** 1987 May–Jun;8(3):539–46

Prevention of the complications of scoliosis by early detection. McCarthy RE. **Clin Orthop** 1987 Sep;(222):73–8 (15 ref.)

Extensive Actinomyces naeslundii infection in a child. Dobson SR, et al. **J Clin Microbiol** 1987 Jul;25(7):1327–9

Headaches, opiates and kyphoscoliosis—a dangerous mixture. Umapathy D, et al. **Scott Med J** 1987 Jun;32(3):80–1

Scoliosis and cor triatriatum. Blasier D, et al. **Spine** 1987 May;12(4):400–3

[Kyphoscoliosis and cor pulmonale (report of 5 cases and review of the literature] Ye YQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):335–7, 381–2 (Eng. Abstr.) **(Chi)**

[Treatment of the neurological complications of kyphosis and kyphoscoliosis by spinal cord transposition] Lesoin F, et al. **J Chir (Paris)** 1987 Mar;124(3):198–203 (Eng. Abstr.) **(Fre)**

[Dental caries and spinal curvature in students] Lukanowa-Skopakowa K. **Fortschr Kieferorthop** 1987 Apr; 48(2):123–31 (Eng. Abstr.) **(Ger)**

[Accentuated dorso-lumbar scoliosis as a cause of failure of subarachnoid anesthesia] Longhi A, et al. **Minerva Anestesiol** 1986 Nov;52(11):433–4 (Eng. Abstr.) **(Ita)**

[Spinal compression syndrome in scoliosis (review of the literature)] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1986 Jul;(7):67–70 (33 ref.) **(Rus)**

CONGENITAL

Non-progressive central core disease with severe congenital scoliosis: a case report. Merlini L, et al. **Dev Med Child Neurol** 1987 Feb;29(1):106–9

Excision of hemivertebrae in children with congenital scoliosis. Bergoin M, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):179–84

Congenital scoliosis and urinary tract abnormalities: are intravenous pyelograms necessary? Drvaric DM, et al. **J Pediatr Orthop** 1987 Jul–Aug;7(4):441–3

DIAGNOSIS

Spinal curvature and hand dominance [letter] Johnson EW. **Dev Med Child Neurol** 1987 Feb;29(1):121

Measurement of the shape of the surface of the back in patients with scoliosis. The standing and forward-bending positions. Stokes IA, et al. **J Bone Joint Surg [Am]** 1987 Feb;69(2):203–11

Vibratory response in idiopathic scoliosis. Wyatt MP, et al. **J Bone Joint Surg [Br]** 1986 Nov;68(5):714–8

Spinal deformity in Marfan syndrome. Birch JG, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):546–52

Screening for congenital dislocation of the hip, scoliosis, and other abnormalities affecting the musculoskeletal system. Asher MA. **Pediatr Clin North Am** 1986 Dec;33(6):1335–53

Spinal deformity. Bunnell WP. **Pediatr Clin North Am** 1986 Dec;33(6):1475–87

Moiré measurements [letter] Stokes IA, et al. **Phys Ther** 1987 Feb;67(2):278–80

Childhood scoliosis: MR imaging. Nokes SR, et al. **Radiology** 1987 Sep;164(3):791–7

[Value or lack of value of the Landwehr so-called balance scale] Biber F, et al. **Z Orthop** 1987 Mar–Apr;125(2):129–31 (Eng. Abstr.) **(Ger)**

[Electrocardiography changes in scoliosis and kyphosis deformities of the thorax] Peters S. **Z Orthop** 1987 Jan–Feb; 125(1):14–8 (Eng. Abstr.) **(Ger)**

[A new method for automatic analysis of scoliotic deformity] Okamoto Y. **Nippon Seikeigeka Gakkai Zasshi** 1987 Apr; 61(4):277–87 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

A painful scoliosis. Preston PG. **Br J Radiol** 1986 Dec; 59(708):1233–5

Osteoid osteoma of the spine: surgically correctable cause of painful scoliosis. Haibach H, et al. **Can Med Assoc J** 1986 Oct 15;135(8):895–9

Upper extremity proprioception in idiopathic scoliosis. Cook SD, et al. **Clin Orthop** 1986 Dec;(213):118–24

Spinal curvature, hand dominance and prolonged upper-extremity use of wheelchair-dependent DMD patients [published erratum appears in Dev Med Child Neurol 1986 Dec;28(6):831] Lehman M, et al. **Dev Med Child Neurol** 1986 Oct;28(5):628–32

Scoliosis in juvenile chronic arthritis. Ross AC, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):175–8

Scoliosis associated with Duchenne muscular dystrophy. Cambridge W, et al. **J Pediatr Orthop** 1987 Jul–Aug; 7(4):436–40

Functional scoliosis as a long-term complication of surgical ligation for patent ductus arteriosus in premature infants. Shelton JE, et al. **J Pediatr Surg** 1986 Oct;21(10):855–7

Severe scoliosis associated with fibrodysplasia ossificans progressiva. A report of two cases. Hsu LC, et al. **Spine** 1986 Jul–Aug;11(6):643–4

[Anteversion and so-called essential scoliosis] Prochiantz A. **Ann Pediatr (Paris)** 1986 Nov;33(9):779–87 (Eng. Abstr.) **(Fre)**

[Syringomyelia and scoliosis in children and adolescents. Apropos of 14 cases] Depotter J, et al. **Rev Chir Orthop** 1987;73(3):203–12 (Eng. Abstr.) **(Fre)**

[Results of a discussion on "Problems of the etiology and pathogenesis of scoliosis"] **Ortop Travmatol Protez** 1987 Jan; (1):58–60 **(Rus)**

FAMILIAL & GENETIC

Genetic aspects of early childhood scoliosis. Connor JM, et al. **Am J Med Genet** 1987 Jun;27(2):419–24

New syndrome: progressive scoliosis by unilateral

unsegmented fusion bar, foot deformity, joint laxity, congenital inguinal herniae, peculiar face. Ventruto V, et al. **Am J Med Genet** 1986 Nov;25(3):429–32

Scoliosis and fractures in young ballet dancers [letter] **N Engl J Med** 1986 Nov 27;315(22):1417–8

HISTORY

38 years' experience in scoliosis treatment. Moe JH. **Arch Putti Chir Organi Mov** 1985;35:11–20

METABOLISM

[Tissue hypoxia in patients with scoliosis] Arakcheev AI. **Ortop Travmatol Protez** 1986 Jul;(7):27–8 **(Rus)**

OCCURRENCE

School screening for adolescent idiopathic scoliosis. Bremberg S, et al. **J Pediatr Orthop** 1986 Sep–Oct; 6(5):564–7

Thoracic adolescent idiopathic scoliosis: perinatal and environmental aspects in a Swedish population and their relationship to curve severity. Ryan MD, et al. **J Pediatr Orthop** 1987 Jan–Feb;7(1):72–7

The case for scoliosis screening in Australian adolescents. Chan A, et al. **Med J Aust** 1986 Oct 20;145(8):379–83

Idiopathic scoliosis: characteristics and epidemiology. Smyrnis T, et al. **Orthopedics** 1987 Jun;10(6):921–6

[Screening for scoliosis in Haifa schools] Keret D, et al. **Harefuah** 1986 Jun 1;110(11):565–8 (Eng. Abstr.) **(Heb)**

[Occurrence of idiopathic scoliosis in the Bologna district] Savini R, et al. **Chir Organi Mov** 1986 Apr–Jun; 71(2):119–25 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Muscle fiber types in thoracic erector spinae muscles. Fiber types in idiopathic and other forms of scoliosis. Bylund P, et al. **Clin Orthop** 1987 Jan;(214):222–8

Morphometry and pathology of the paraspinous muscles in idiopathic scoliosis. Slager UT, et al. **Dev Med Child Neurol** 1986 Dec;28(6):749–56

Pathology and morphometry of the paraspinous muscles in nonidiopathic scoliosis. Slager UT, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):301–4

Morphology of scoliosis: three-dimensional evolution. Perdriolle R, et al. **Orthopedics** 1987 Jun;10(6):909–15

The symmetry of the breasts in normal and scoliotic girls. Normelli H, et al. **Spine** 1986 Sep;11(7):749–52

A simple method to estimate the rib hump in scoliosis. Pun WK, et al. **Spine** 1987 May;12(4):342–5

[Biomechanical analysis of scoliosis and back muscles using CT evaluation and the finite element method] Saka K. **Nippon Seikeigeka Gakkai Zasshi** 1987 Apr;61(4):299–310 (Eng. Abstr.) **(Jpn)**

[A histopathological study on the intervertebral discs of idiopathic and paralytic scoliosis—abnormalities in transition from the notochordal nucleus to the fibrocartilaginous nucleus] Tanaka A. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec;60(12):1227–38 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Cardiorespiratory consequences of unfused idiopathic scoliosis. Branthwaite MA. **Br J Dis Chest** 1986 Oct; 80(4):360–9

The experimental basis of idiopathic scoliosis. Lawton JO, et al. **Clin Orthop** 1986 Sep;(210):9–17

Scoliosis and pregnancy. Betz RR, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):90–6

Experimental structural scoliosis. Smith RM, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):576–81

The anatomy of spinal deformity: a biomechanical analysis. Deacon P, et al. **Orthopedics** 1987 Jun;10(6):897–903

The natural history of unfused scoliosis. Edgar MA. **Orthopedics** 1987 Jun;10(6):931–9

Scoliosis induced by medullary damage: an experimental study in rabbits. Barrios C, et al. **Spine** 1987 Jun;12(5):433–9

Foot and hand length for prediction of vital capacity in scoliotic children. Helms P, et al. **Spine** 1986 Sep; 11(7):746–8

Composite measurement of scoliosis: a new method of analysis of the deformity. Shufflebarger HL, et al. **Spine** 1987 Apr;12(3):228–32

[Oral occlusion pressure in scoliosis and neuromuscular syndromes] Amsallem F, et al. **Arch Fr Pediatr** 1987 May; 44(5):343–7 (Eng. Abstr.) **(Fre)**

[Studies on dynamic posture in normal persons and scoliotic patients] Asazuma T. **Nippon Seikeigeka Gakkai Zasshi** 1987 Feb;61(2):107–20 (Eng. Abstr.) **(Jpn)**

[Characteristics of the muscular activity of healthy schoolchildren and schoolchildren with postural disorders and scoliosis] Nikolaeva NI, et al. **Fiziol Cheloveka** 1986 Sep–Oct;12(5):777–83 **(Rus)**

PREVENTION & CONTROL

Lower limb deformity and prevention of scoliosis in cerebral palsy. Robson P. **Arch Dis Child** 1987 Jun;62(6):547–8

Scoliosis management in Duchenne muscular dystrophy: prospective study of modified Jewett hyperextension brace. Colbert AP, et al. **Arch Phys Med Rehabil** 1987 May;68(5 Pt 1):302–4

[Horseback riding in the prevention and treatment of scoliosis in children and adolescents] Tsverava DM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1987 May–Jun; (3):52–3 **(Rus)**

PSYCHOLOGY

Long-term effects on personality development in patients with adolescent idiopathic scoliosis. Influence of type of treatment. Fällström K, et al. **Spine** 1986 Sep;11(7):756–8

RADIOGRAPHY

Clinical and radiographic features of scoliosis in Parkinson's disease. Grimes JD, et al. **Adv Neurol** 1987;45:353–5

Spinal deformities and pseudofractures. Boechat MI. **AJR** 1987 Jan;148(1):97–8

The rib deformity in adolescent idiopathic scoliosis. A prospective study to evaluate changes after Harrington distraction and posterior fusion. Weatherley CR, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):179–82

Diet as an external factor in the expression of scoliosis in a line of susceptible chickens. Greve C, et al. **J Nutr** 1987 Jan;117(1):189–93

Three-dimensional spinal curvature in idiopathic scoliosis. Stokes IA, et al. **J Orthop Res** 1987;5(1):102–13

Scoliosis secondary to osteoblastoma of the rib. Wimpee MW, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):589–93

FDA seeks help to reduce adolescent x-ray exposure [letter] Woods DR. **J Sch Health** 1987 Mar;57(3):92

Total upright large volume columnar myelography in pediatric scoliosis. Jinkins JR. **Neuroradiology** 1987; 29(2):200–1

Vertebral shape in the median sagittal plane in idiopathic thoracic scoliosis. A study of true lateral radiographs in 150 patients. Deacon P, et al. **Orthopedics** 1987 Jun; 10(6):893–5

Radiation dose reduction in the evaluation of scoliosis: an application of digital radiography. Kushner DC, et al. **Radiology** 1986 Oct;161(1):175–81

[Radiologic findings in idiopathic scoliosis. Etiopathogenetic interpretation] Manganiello A. **Radiol Med (Torino)** 1987 Apr;73(4):271–6 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Trabecular bone mineral density in idiopathic scoliosis. Cook SD, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):168–74

REHABILITATION

[Effect of exercise therapy on the development of motor skills and general efficiency in children with diseases of the locomotor system] Ziółkowski M. **Pediatr Pol** 1986 Jun; 61(6):387–92 **(Pol)**

[Replacement biofeedback in the rehabilitation of children and adolescents with lateral spinal curvature] Nowotny J, et al. **Pol Tyg Lek** 1987 Feb 2;42(5):139–43 (22 ref.) (Eng. Abstr.) **(Pol)**

SURGERY

Postoperative quadriplegia after spinal fusion for scoliosis with intraoperative awakening. Diaz JH, et al. **Anesth Analg** 1987 Oct;66(10):1039–42

Idiopathic scoliosis: foundation for physiological treatment. Dickson RA. **Ann R Coll Surg Engl** 1987 May;69(3):89–96

An analysis of the results of Dwyer and Zielke instrumentations in the treatment of scoliosis. Bauer R, et al. **Arch Orthop Trauma Surg** 1986;105(5):302–9

Posterior vertebral instrumentation for correction of scoliosis. Wu ZK. **Clin Orthop** 1987 Feb;(215):40–6

Spinal fusion for adult scoliosis—a review of 9 cases. O'Brien TM, et al. **Ir J Med Sci** 1986 Sep;155(9):308–10

The use of banked autologous blood in patients undergoing surgery for spinal deformity. Bailey TE Jr, et al. **J Bone Joint Surg [Am]** 1987 Mar;69(3):329–32

Adult idiopathic scoliosis treated by anterior and posterior spinal fusion. Byrd JA 3d, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):843–50

Complications in the use of the halo fixation device [letter] Garfin SR, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):954

Segmental spinal instrumentation with sublaminar wires. A critical appraisal. Herndon WA, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):851–9

Adolescent idiopathic scoliosis treated by Harrington-rod distraction and fusion. Lovallo JL, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1326–30

Results of surgical treatment of adults with idiopathic scoliosis. Sponseller PD, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):667–75

Adolescent idiopathic thoracic scoliosis. A prospective trial with and without bracing during postoperative care. Christodoulou AG, et al. **J Bone Joint Surg [Br]** 1987 Jan; 69(1):13–6

Anterior and posterior instrumentation and fusion of thoracolumbar scoliosis due to myelomeningocele. McMaster MJ. **J Bone Joint Surg [Br]** 1987 Jan;69(1):20–5

Spine deformity in familial dysautonomia (Riley–Day syndrome). Albanese SA, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):179–83

Pseudarthrosis following treatment of idiopathic scoliosis by Harrington instrumentation and fusion without added bone. Bialik V, et al. **J Pediatr Orthop** 1987 Mar–Apr;7(2):152–4

Efficacy of surgical management for scoliosis in myelomeningocele: correction of deformity and alteration of functional status. Mazur J, et al. **J Pediatr Orthop** 1986 Sep–Oct;6(5):568–75

Interspinous process segmental spinal instrumentation for scoliosis in cerebral palsy. Sponseller PD, et al. **J Pediatr Orthop** 1986 Sep–Oct;6(5):559–63

Vascular compression of the duodenum. Moskovich R, et al. **J R Soc Med** 1986 Aug;79(8):465–7

Luque segmental spinal instrumentation: the use of the Hartshill rectangle. Dove J. **Orthopedics** 1987 Jun; 10(6):955–61

Cotrel–Dubousset instrumentation for adolescent idiopathic scoliosis. Richards BS, et al. **Orthopedics** 1987 Apr; 10(4):649–54

Total segmental spinal stabilization. A means of correcting scoliosis and gaining head control in a patient with congenital myopathy. Spencer D, et al. **Orthopedics** 1987 Aug;10(8):1135–8

Fusion to the sacrum for nonparalytic scoliosis in the adult. Balderston RA, et al. **Spine** 1986 Oct;11(8):824–9

Mersilene tapes as a substitute for wire in segmental spinal instrumentation for children. Gaines RW Jr, et al. **Spine** 1986 Nov;11(9):907–13

Chylothorax—a rare complication after anterior and posterior spinal correction. Report on six cases. Nakai S, et al. **Spine** 1986 Oct;11(8):830–3

Rib regeneration area as an indicator of fusion area in adolescent idiopathic scoliosis. Schram RA, et al. **Spine** 1987 May;12(4):346–50

An experimental study of the buckling behavior of L-rod implants used in the surgical treatment of scoliosis. Weiler PJ, et al. **Spine** 1986 Dec;11(10):°92–8

[Segmental spinal instrumentation (Harrington-Luque) in scoliosis] Lao HC. **Chung Hua Wai Ko Tsa Chih** 1986 Dec; 24(12):737–9, 781 (Eng. Abstr.) **(Chi)**

[Treatment of scoliosis with a shape-memory alloy rod] Lu SB, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar; 24(3):129–32, 187 (Eng. Abstr.) **(Chi)**

[Severe complications and prevention in the surgical treatment of scoliosis] Wang SK, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Mar;24(3):133–5, 187 (Eng. Abstr.) **(Chi)**

[Combine use of the Harrington-Luque system in severe scoliosis] Ye QB, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Dec;24(12):734–6, 781 (Eng. Abstr.) **(Chi)**

[Controlled hypotension during scoliosis operations] Cundrle I, et al. **Acta Chir Orthop Traumatol Cech** 1987 Feb; 54(1):64–7 (Eng. Abstr.) **(Cze)**

[Value of the method of motor evoked potentials for the detection of neurologic complications of scoliosis surgery. Preliminary study of 11 cases] Dunoyer J, et al. **Chirurgie** 1987;113(2):166–71 (Eng. Abstr.) **(Fre)**

[Possibilities and limitations of the peroperative control of spinal cord function by cortical somesthetic evoked potentials in the surgery of scoliosis using the posterior approach. Apropos of 67 cases] Lacheretz M, et al. **Chirurgie** 1987;113(2):172–8 (Eng. Abstr.) **(Fre)**

[Scoliosis and spinal osteosynthesis] Pous JG. **Rev Chir Orthop** 1986;72 Suppl 2:28–31 **(Fre)**

[Anesthesiologic problems in the surgical treatment of scoliosis using the Harrington technic] Hoffmeyer D, et al. **Anaesthesiol Reanim** 1986;11(6):343–7 (Eng. Abstr.) **(Ger)**

[Difficulties in extubation—example of an extubation hindrance caused by a stomach tube] Kulka P, et al. **Anasth Intensivther Notfallmed** 1987 Feb;22(1):37–8 (Eng. Abstr.) **(Ger)**

[Anatomico surgical aspects of scoliosis operations by dorsal approach] Mowschowitsch JA. **Beitr Orthop Traumatol** 1987 Apr;34(4):197–201 (Eng. Abstr.) **(Ger)**

[Technic and results of rib hump resection in thoracic scoliosis] Heisel J, et al. **Z Orthop** 1986 Sep–Oct; 124(5):606–12 (Eng. Abstr.) **(Ger)**

[Segmental rod wiring of the spinous process] Winkelmann W. **Z Orthop** 1987 Mar–Apr;125(2):143–8 (Eng. Abstr.) **(Ger)**

[Scissors for cutting the Harrington rod] Cwierz R. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):80–1 (Eng. Abstr.) **(Pol)**

[15 years' experience in the surgical treatment of scoliosis using a Harrington distractor] Przybylski J. **Chir Narzadow Ruchu Ortop Pol** 1986;51(4):249–54 (Eng. Abstr.) **(Pol)**

[Evaluation of the results of surgical treatment of patients with lateral scoliosis using the RBW instrument set] Wierusz L. **Chir Narzadow Ruchu Ortop Pol** 1987; 52(1):38–43 (Eng. Abstr.) **(Pol)**

[Experience and the results of treating scoliosis using anterior derotation spondylodesis (VDS-Zielke) and Harrington's operation] Zippel H, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(6):468–71 (Eng. Abstr.) **(Pol)**

[Elevation thoracoplasty in the scheme of surgical treatment of scoliosis] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1987 Jan;(1):41–3 **(Rus)**

[Wedge-like spinal resection in scoliosis: its possibilities and prospects] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1987 May;(5):15–20 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of surgical methods for scoliosis treatment using elastic instrumentation] Ka'min AI, et al. **Ortop Travmatol Protez** 1986 Jul;(6):1–4 (Eng. Abstr.) **(Rus)**

[The pathogenesis, clinical picture and treatment of disorders of digestive function in scoliosis patients following surgery] Solov'ev AE, et al. **Ortop Travmatol Protez** 1987 Jan; (1):8–10 (Eng. Abstr.) **(Rus)**

[Surgical wound infection after spondylodesis with instrumentation] Messner P, et al. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):504–7 (Eng. Abstr.) **(Slo)**

THERAPY

Science, medicine and chiropractic theory [letter] **J Manipulative Physiol Ther** 1987 Apr;10(2):78–80

Scoliosis [letter] **J Manipulative Physiol Ther** 1986 Sep; 9(3):229–33

An algorithm for the management of scoliosis [letter] Ranzijn R, et al. **J Manipulative Physiol Ther** 1987 Jun;10(3):130–1

Mechanical consequences of rod contouring and residual scoliosis in sublaminar segmental instrumentation. Johnston CE 2d, et al. **J Orthop Res** 1987;5(2):206–16

Is lateral electric surface stimulation an effective treatment for scoliosis? Bylund P, et al. **J Pediatr Orthop** 1987 May–Jun;7(3):298–300

Conservative scoliosis management [editorial] D'Ambrosia R. **Orthopedics** 1987 Aug;10(8):1123

Paraspinal muscle stimulation for the treatment of idiopathic scoliosis in children. Herbert MA, et al. **Orthopedics** 1987 Aug;10(8):1125–32

Growth modification in the treatment of scoliosis. Piggott H. **Orthopedics** 1987 Jun;10(6):945–52

The Boston bracing system for idiopathic scoliosis. Follow-up results in 295 patients. Emans JB, et al. **Spine** 1986 Oct;11(8):792–801

Lateral electrical surface stimulation (LESS) compliance in adolescent female scoliosis patients. Kahanovitz N, et al. **Spine** 1986 Sep;11(7):753–5

Combined VDS and Harrington instrumentation for treatment of idiopathic double major curves. Korovessis P. **Spine** 1987 Apr;12(3):244–50

Nonoperative treatment of idiopathic scoliosis using surface electrical stimulation. McCollough NC 3d. **Spine** 1986 Oct; 11(8):802–4

The natural history of idiopathic scoliosis. Late results revisited. Mellencamp DD, et al. **Spine** 1986 Oct; 11(8):805–6

Brachial plexus palsy resulting from the use of surface electrical stimulation in the treatment of idiopathic scoliosis. A case report. Mubarak SJ, et al. **Spine** 1986 Dec; 11(10):1053–5

Further evaluation of the Scolitron treatment of idiopathic adolescent scoliosis. Sullivan JA, et al. **Spine** 1986 Nov; 11(9):903–6

Adult idiopathic scoliosis treated by posterior spinal fusion and Harrington instrumentation. van Dam BE, et al. **Spine** 1987 Jan–Feb;12(1):32–6

The effectiveness of bracing in the nonoperative treatment of idiopathic scoliosis. Winter RB, et al. **Spine** 1986 Oct; 11(8):790–1

[Results of the orthopedic treatment of scoliosis in children under 7 years of age. Apropos of 75 cases] Mener G, et al. **Rev Chir Orthop** 1986;72(5):355–66 (Eng. Abstr.) **(Fre)**

[Orthopedic treatment of idiopathic scoliosis by the method of Maguelone. Remote results] Vidal J, et al. **Rev Chir Orthop** 1986;72 Suppl 2:51–5 **(Fre)**

[Prognosis and therapy of scoliosis in infants] Matzen PF, et al. **Padiatr Grenzgeb** 1987;26(2):109–13 (Eng. Abstr.) **(Ger)**

[Psychodynamic aspects of corset treatment in adolescents] Braunewell A, et al. **Z Orthop** 1987 Mar–Apr;125(2):132–4 (Eng. Abstr.) **(Ger)**

[Laceration of the vessels of the kidney hilus. A complication not previously described in halo extension treatment] Hopf C, et al. **Z Orthop** 1986 Sep–Oct;124(5):603–5 (Eng. Abstr.) **(Ger)**

[Pneumatic HALO fitting device. A new device for halo fixation] Krähe T. **Z Orthop** 1987 Mar–Apr;125(2):135–6 (Eng. Abstr.) **(Ger)**

[Comparison of the effects of lordosis on the thoracic spine using the Milwaukee and Gschwend brace in scoliosis and kyphosis] Krähe T, et al. **Z Orthop** 1986 Sep–Oct; 124(5):613–8 (Eng. Abstr.) **(Ger)**

[Treatment of scoliosis with lateral electric surface stimulation] Machacek F, et al. **Z Orthop** 1987 Mar–Apr; 125(2):125–8 (Eng. Abstr.) **(Ger)**

[Results of lateral electrical surface stimulation in scoliosis] Messler H, et al. **Z Orthop** 1986 Nov–Dec;124(6):707–12 (Eng. Abstr.) **(Ger)**

[Electrical muscle stimulation for the treatment of idiopathic scoliosis (editorial)] Liebergal M, et al. **Harefuah** 1986 Jun 15;110(12):640–2 **(Heb)**

[Follow-up results of brace treatment of adolescent idiopathic scoliosis] Yamauchi Y, et al. **Nippon Seikeigeka Gakkai Zasshi** 1986 Nov;60(11):1079–85 (Eng. Abstr.) **(Jpn)**

[Problem of the correction of scoliotic curvatures of the spine] Podnianskiĭ LL, et al. **Ortop Travmatol Protez** 1986 Oct;(10):37–40 (Eng. Abstr.) **(Rus)**

VETERINARY

Acquired scoliosis associated with hydromyelia and syringomyelia in two dogs. Child G, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):909–12

SCOPOLAMINE

Premedication with midazolam in out-patient general anaesthesia. A comparison with morphine–scopolamine and placebo. Raeder JC, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):509–14

ADMINISTRATION & DOSAGE

Premedication for day-case surgery: double-blind comparison of ketobemidone + dimethylaminodiphenylbuten (A-29) and morphine + scopolamine. Raeder JC, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):502–6

Treatment of myasthenia gravis with pyridostigmine [letter] Grogan WA. **Arch Neurol** 1987 Oct;44(10):995–6

Efficacy of transdermal scopolamine against seasickness: a 3-day study at sea. Attias J, et al. **Aviat Space Environ Med** 1987 Jan;58(1):60–2

Effect of scopolamine on physostigmine potentiated convulsions produced by pentylenetetrazole in rats. Subramaniam S, et al. **Indian J Exp Biol** 1986 Aug; 24(8):541–2

Transdermal scopolamine in the treatment of asthma: a preliminary report. Demeter SL, et al. **J Asthma** 1986; 23(4):203–6

Transdermal scopolamine: effects of single and repeated patches upon psychological task performance. Parrott AC. **Neuropsychobiology** 1987;17(1–2):53–9

Serum antimuscarinic activity after a single dose of oral scopolamine hydrobromide solution measured by radioreceptor assay. Markkanen YJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):534–8

[Effect of early administration of scopolamine on spinal cord injury: an experimental study] Xu ST, et al. **Chung Hua Wai Ko Tsa Chih** 1987 Jan;25(1):19–22, 61 (Eng. Abstr.) **(Chi)**

[Effects and side effects of transdermal scopolamine for premedication in general anesthesia in elderly patients] Tolksdorf W, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):301–6 (Eng. Abstr.) **(Ger)**

[Prevention of kinetosis in children. Transdermal therapy with scopolamine] Müller M, et al. **Fortschr Med** 1987 Feb 10;105(4):82, 86–7 (Eng. Abstr.) **(Ger)**

[A scopolamine plaster behind the ear to prevent drooling?] Storhaug K, et al. **Tidsskr Nor Laegeforen** 1986 Oct 20; 106(29):2440 **(Nor)**

ADVERSE EFFECTS

Preoperative anisocoria from a scopolamine patch [letter] Rosenberg M. **Anesth Analg** 1987 Jul;66(7):693

Transient bilateral pupillary dilation from scopolamine discs [letter] Patterson JH, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):986–7

Toxic psychosis from transdermal scopolamine in a child [letter] Sennhauser FH, et al. **Lancet** 1986 Nov 1; 2(8514):1033

Transdermal scopolamine intoxication in a child. Klein BL, et al. **Pediatr Emerg Care** 1985 Dec;1(4):208–9

[Confusional syndrome and arterial hypertension after instillation of scopolamine (letter)] Sirbat D, et al. **Presse Med** 1986 Dec 13;15(44):2212 **(Fre)**

[A draftee got a CNS disorder after treatment with scopolamine plaster] Olevik P. **Lakartidningen** 1987 Apr 22;84(17):1463 **(Swe)**

ANALYSIS

A sensitive radioreceptor assay for determining scopolamine concentrations in plasma and urine. Cintrón NM, et al. **J Pharm Sci** 1987 Apr;76(4):328–32

ANTAGONISTS & INHIBITORS

Reversal of scopolamine-induced amnesia by phosphatidylserine in rats. Zanotti A, et al. **Psychopharmacology (Berlin)** 1986;90(2):274–5

BLOOD

Pharmacokinetics and clinical effects of scopolamine in caesarean section patients. Pihlajamäki KK, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):259–62

PHARMACODYNAMICS

Further studies of the mechanism behind scopolamine-induced reversal of antistereotypic and cataleptogenic effects of neuroleptics in rats. Arnt J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):319–24

Acute effects of some drugs on the higher nervous activity in man. An interaction of physostigmine (1.0 mg) and scopolamine (0.6 mg applied 15 and 30 minutes after physostigmine). Part LV. Hrbek J, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;115:31–72

Effects of physostigmine (1.0 mg s.c.) and scopolamine (0.6 mg s.c., applied 15 and 30 minutes after physostigmine) on the blood pressure, the body temperature, and the heart rate in man. Hrbek J, et al. **Acta Univ Palacki Olomuc Fac Med** 1986;115:73–89

Anticholinergic sensitivity in patients with dementia of the Alzheimer type and age-matched controls. A dose-response study. Sunderland T, et al. **Arch Gen Psychiatry** 1987 May;44(5):418–26

Chlordiazepoxide, an anxiolytic benzodiazepine, impairs place navigation in rats. McNaughton N, et al. **Behav Brain Res** 1987 Apr;24(1):39–46

The topography of amphetamine and scopolamine-induced hyperactivity: toward an activity print. Sanberg PR, et al. **Behav Neurosci** 1987 Feb;101(1):131–3

Central cholinergic involvement in working memory: effects of scopolamine on continuous nonmatching and discrimination performance in the rat. Spencer DG Jr, et al. **Behav Neurosci** 1985 Dec;99(6):1049–65

The selectivity of the (–)-and (+)-forms of hyoscine methiodide and of hyoscyamine camphorsulphonate for muscarinic (M2) receptors. Barlow RB, et al. **Br J Pharmacol** 1986 Oct;89(2):439–44

Inhibitory responses to nicotine and transmural stimulation in hyoscine-treated guinea-pig isolated trachealis: an electrical and mechanical study. Boyle JP, et al. **Br J Pharmacol** 1987 Apr;90(4):733–44

Scopolamine-disruption of radial arm maze performance: modification by noradrenergic depletion. Decker MW, et al. **Brain Res** 1987 Aug 4;417(1):59–69

Selectivity of pirenzepine in the central nervous system. III. Differential effects of multiple pirenzepine and scopolamine administrations on muscarinic receptors as measured autoradiographically. Messer WS Jr, et al. **Brain Res** 1987 Mar 24;407(1):46–54

Selectivity of pirenzepine in the central nervous system. II. Differential effects of pirenzepine and scopolamine on performance of a representational memory task. Messer WS Jr, et al. **Brain Res** 1987 Mar 24;407(1):37–45

Effects of treatment with scopolamine and naloxone, singly and in combination, on amygdala kindling. Cain DP, et al. **Exp Neurol** 1987 Apr;96(1):97–103

Antagonism of central but not peripheral cholinergic receptors retards amygdala kindling in rats. Westerberg V, et al. **Exp Neurol** 1987 Jan;95(1):194–206

Cholinergic influence of the laterodorsal tegmental nucleus on neuronal activity in the rat lateral geniculate nucleus. Kayama Y, et al. **J Neurophysiol** 1986 Nov;56(5):1297–309

Rapid-eye movement sleep and muscarinic receptor binding in rats are augmented during withdrawal from chronic scopolamine treatment. Sutin EL, et al. **Life Sci** 1986 Dec 22;39(25):2419–27

Comparisons of the cardiovascular and antisialogogue effects among glycopyrrolate, scopolamine and atropine in man. Hsu JC, et al. **Ma Tsui Hsueh Tsa Chi** 1986 Mar;24(1):39–44

Cholinergic modulation of human P3 event-related potentials. Hammond EJ, et al. **Neurology** 1987 Feb; 37(2):346–50

Neurochemical dissociation of memory systems. Nissen MJ, et al. **Neurology** 1987 May;37(5):789–94

Oral scopolamine hydrobromide solution as an antisialagogic agent in dentistry. Markkanen YJ, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):417–20

Effects of scopolamine on locomotor activity and metabolic rate in mice. Bushnell PJ. **Pharmacol Biochem Behav** 1987 Jan;26(1):195–8

Effects of age on antidepressant kinetics and memory in Fischer 344 rats. McMahon TF, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):313–9

Studies on desglycinamide arginine vasopressin and scopolamine in a modified/lever-touch autoshaping model of learning/memory in rats. Mundy WR, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):307–15

Scopolamine impairs learning performance of rats in a 14-unit T-maze. Spangler EL, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):673–9

Effects of scopolamine on components of delayed response performance in the rat. Viscardi AP, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):633–9

Scopolamine disrupts visual reversal without affecting the first discrimination. Soffie M, et al. **Physiol Behav** 1987; 40(2):263–5

Pharmacologic modelling of Alzheimer's disease. Sunderland T, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(3–5):599–610 (92 ref.)

Effects of scopolamine and physostigmine on recognition memory in monkeys with ibotenic-acid lesions of the nucleus basalis of Meynert. Aigner TG, et al. **Psychopharmacology (Berlin)** 1987;92(3):292–300

Promethazine, scopolamine and cinnarizine: comparative time course of psychological performance effects. Parrott AC, et al. **Psychopharmacology (Berlin)** 1987;92(4):513–9

[Effects of anisodamine and scopolamine on pulmonary circulation in rabbits] Fan YL, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):117–21 (Eng. Abstr.) **(Chi)**

[Effects of syntropan, atropine and scopolamine on the uptake of GABA by homogenates of the rat cerebrum] Ren YF, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):488–91 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Treatment of severe motion sickness with antimotion sickness drug injections. Graybiel A, et al. **Aviat Space Environ Med** 1987 Aug;58(8):773–6

Treatment of experimental respiratory distress syndrome with dexamethasone, scopolamine and anisodamine in dogs. Guo XJ, et al. **Chin Med J [Engl]** 1986 Apr;99(4):323–32

Effects of transdermal scopolamine, alone or in combination with cimetidine, on total 24 hour gastric acid secretion in

patients with duodenal ulcer. Richardson CT, et al. **Gut** 1986 Dec;27(12):1493–7

[A report on 4 cases of acute myocardial infarction complicated by refractory ventricular tachycardia successfully treated with scopolamine] Wang XH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Oct; 14(5):282–3 (Eng. Abstr.) **(Chi)**

[Uses of a scopolamine compound in anesthesia in oral and maxillofacial surgery] Meng XZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Sep;21(5):310–1 **(Chi)**

[Comparative in-flight study of a scopolamine-containing membrane plaster versus dimenhydrinate under defined acceleration conditions] Offenloch K, et al. **Arzneimittelforschung** 1986 Sep;36(9):1401–6 (Eng. Abstr.) **(Ger)**

SCOPOLAMINE DERIVATIVES

Specific binding of [3H]methylscopolamine to glass fibre filters. Costa LG. **J Pharm Pharmacol** 1987 Mar; 39(3):239–40

ADMINISTRATION & DOSAGE

Hyoscine-N-butylbromide by intravenous infusion [letter] Butler HE, et al. **Med J Aust** 1987 Sep 21;147(6):315–6

Effects of inhaled oxitropium and fenoterol, alone and in combination, in chronic airflow obstruction. Frith PA, et al. **Respiration** 1986;50 Suppl 2:294–7

ADVERSE EFFECTS

Buscopan and glaucoma [letter] Doran RM, et al. **Br J Radiol** 1987 Apr;60(712):417

Acute angioneurotic oedema following a barium meal [letter] Thomas AM, et al. **Br J Radiol** 1986 Oct;59(706):1055–6

Allergic reaction to Buscopan [letter] Treweeke P, et al. **Br J Radiol** 1987 Apr;60(712):417–8

DIAGNOSTIC USE

Hyoscine butylbromide to relieve utero-tubal obstruction at hysterosalpingography [letter] Alper MM, et al. **Br J Radiol** 1985 Sep;58(693):915

Cimetropium bromide as a relaxant for the radiological examination of the stomach and duodenum. Frigerio A, et al. **Curr Med Res Opin** 1986;10(5):319–25

The use of prostaglandin F2 alpha and scopolamine-N-butylbromide in anorectal manometric diagnosis. Sumitomo K, et al. **Z Kinderchir** 1986 Dec; 41(6):344–7

METABOLISM

Assessment of mechanistic proposals for the binding of agonists to cardiac muscarinic receptors. Wong HM, et al. **Biochemistry** 1986 Nov 4;25(22):6995–7008

Charge but not chemical class explains the selective binding of [3H]N-methylscopolamine to a subpopulation of [3H]quinuclidinyl benzilate binding sites in rat cerebral cortex homogenates. Lee NH, et al. **Eur J Pharmacol** 1986 Oct 14;130(1-2):153–5

Structure-linked latency of muscarinic receptors in axonal transport. Laduron PM, et al. **FEBS Lett** 1986 Sep 29; 206(1):83–6

Discontinuous oral absorption of cimetropium bromide, a new antispasmodic drug. Imbimbo BP, et al. **J Pharm Sci** 1986 Jul;75(7):680–4

Kinetic studies of [3H]-N-methylscopolamine binding to muscarinic receptors in the rat central nervous system: evidence for the existence of three classes of binding sites. Waelbroeck M, et al. **Mol Pharmacol** 1986 Oct;30(4):305–14

[The in vivo binding of a quaternary derivative of scopolamine (cimetropium bromide) to muscarinic receptors in the intestinal mucosa, after oral administration?] De Conti L, et al. **Boll Chim Farm** 1986 Nov;125(11):395–9 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

N-butyl hyoscine exerts local spasmolytic effect in the small and large bowel of the conscious dog. Sagrada A, et al. **Arch Int Pharmacodyn Ther** 1987 Jun;287(2):237–47

The selectivity of the (–)-and (+)-forms of hyoscine methiodide and of hyoscyamine camphorsulphonate for muscarinic (M2) receptors. Barlow RB, et al. **Br J Pharmacol** 1986 Oct;89(2):439–44

Adrenoceptor blocking properties of atropine-like agents aniodamine and anisodine on brain and cardiovascular tissues of rats. Varma DR, et al. **Br J Pharmacol** 1986 Mar; 87(3):587–94

Transverse and sigmoid colon motility in healthy humans: effects of eating and of cimetropium bromide. Bassotti G, et al. **Digestion** 1987;37(1):59–64

Decreased binding of the muscarinic antagonist [3H]N-methylscopolamine in mouse brain following acute treatment with an organophosphate. Cioffi CL, et al. **Eur J Pharmacol** 1986 Dec 16;132(2-3):147–54

[Effect of anisodine with chlorpromazine on the content of acetylcholine in various brain areas] Huang JH, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):293–5 (Eng. Abstr.) **(Chi)**

[Effects of anisodine on EEG power spectrum, frequency distribution and coherence in rats] Li DM, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):225–7 (Eng. Abstr.) **(Chi)**

[Effects of hyoscine-N-butyl bromide on electroencephalography and the neuromuscular junction] Lu SM, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan; 8(1):26–30 (Eng. Abstr.) **(Chi)**

[Hypotonic effectiveness of scopolamine N(cyclopropylmethyl)bromide or cimetropium bromide in double-contrast enema] Isolato G, et al. **Minerva Dietol Gastroenterol** 1987 Jan-Mar;33(1):29–31 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Reduction of nocturnal asthma by an inhaled anticholinergic drug. Coe CI, et al. **Chest** 1986 Oct;90(4):485–8

Comparative study of Baralgan and hyoscine-N-methyl bromide in the treatment of intestinal and renal colicy pain. Benyajati C. **J Med Assoc Thai** 1986 Oct;69(10):569–73

Antifibrillatory efficacy of concomitant beta adrenergic receptor blockade with dilevalol, the R,R-isomer of labetalol, and muscarinic receptor blockade with methylscopolamine. Lynch JJ, et al. **J Pharmacol Exp Ther** 1987 May;241(2):741–9

[Treatment of hypertonic and hyperactive bladder in childhood with N-methylhioscine sulfate] Rodriguez E, et al. **Rev Chil Pediatr** 1986 May-Jun;57(3):248–51 (Eng. Abstr.) **(Spa)**

SCOPOLETIN see under **UMBELLIFERONES**

SCORBUTUS see **SCURVY**

SCORPION VENOMS

Static accessibility model of protein antigenicity: the case of scorpion neurotoxin. Novotný J, et al. **Biochemistry** 1986 Nov 4;25(22):6748–54

Increase in serum free fatty acids, phospholipids and reduction in total cholesterol in acute myocarditis produced by scorpion (Buthus tamulus) venom injection in dogs. Murthy RK, et al. **Indian Heart J** 1986 Sep-Oct; 38(5):369–72

Amino acid sequence of toxin XI of the scorpion Buthus occitanus tunetanus. Evidence of a mutation having an important effect upon neurotoxic activity. Sampieri F, et al. **Int J Pept Protein Res** 1987 Feb;29(2):231–7

ADVERSE EFFECTS

Hyperglycaemia and reduction in glycogen content of atria and liver in dogs with acute myocarditis produced by scorpion (Buthus tamulus) venom. Murthy KR, et al. **J Assoc Physicians India** 1987 Mar;35(3):189–90

ANALYSIS

Characterization of six toxins from the venom of the Moroccan scorpion Buthus occitanus mardochei. Vargas O, et al. **Eur J Biochem** 1987 Feb 2;162(3):589–99

Large scale purification of toxins from the venom of the scorpion Androctonus australis Hector. Martin MF, et al. **Toxicon** 1986;24(11-12):1131–9

Use of high performance liquid chromatography to demonstrate quantitative variation in components of venom from the scorpion Androctonus australis Hector. Martin MF, et al. **Toxicon** 1987;25(5):569–73

[Biochemical studies on scorpion mammalian neurotoxins] Ji YH, et al. **Sheng Li Ko Hsueh Chin Chan** 1986 Jul; 17(3):234–9 (36 ref.) **(Chi)**

[The structure of Buthus eupeus neurotoxin M9 in a solution studied by 1H-NMR spectroscopy] Pashkov VS, et al. **Bioorg Khim** 1986 Oct;12(10):1306–16 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunochemistry of scorpion toxins. Immunogenicity of peptide 19–28 a model of an accessible and relatively rigid region. Bahraoui E, et al. **Eur J Biochem** 1987 Sep 1; 167(2):371–5

ISOLATION & PURIFICATION

Purification and characterization of a beta-toxin from the venom of the African scorpion Leiurus quinquestriatus. Rack M, et al. **FEBS Lett** 1987 Apr 6;214(1):163–6

Fractionation and biological activities of venoms of the Indian scorpions Buthus tamulus and Heterometrus bengalensis. Ramachandran LK, et al. **Indian J Biochem Biophys** 1986 Dec;23(6):355–8

Purification and chemical and biological characterizations of seven toxins from the Mexican scorpion, Centruroides suffusus suffusus. Martin MF, et al. **J Biol Chem** 1987 Apr 5;262(10):4452–9

Purification of charybdotoxin, a specific inhibitor of the high-conductance Ca2+-activated K+ channel. Smith C, et al. **J Biol Chem** 1986 Nov 5;261(31):14607–13

METABOLISM

Use of antibodies specific to defined regions of scorpion alpha-toxin to study its interaction with its receptor site on the sodium channel. el Ayeb M, et al. **Biochemistry** 1986 Oct 21;25(21):6671–8

PHARMACODYNAMICS

Interactions of scorpion toxins with the sodium channel. Meves H, et al. **Ann NY Acad Sci** 1986;479:113–32

Comparison of the effect of scorpion venom (Buthus martensii Kashi) on the rat brain and heart mitochondria. Song WX, et al. **Cell Biol Int Rep** 1986 Nov;10(11):897–904

Scorpion venom inhibits carbamylcholine-induced 86rubidium efflux from rat parotid acini. Dehaye JP, et al. **FEBS Lett** 1987 Jul 27;219(2):451–4

Rapid voltage-dependent dissociation of scorpion alpha-toxins coupled to Na channel inactivation in amphibian myelinated nerves. Strichartz GR, et al. **J Gen Physiol** 1986 Sep;88(3):413–35

Characterization of the actions of toxins II-9.2.2 and II-10 from the venom of the scorpion Centruroides noxius on transmitter release from mouse brain synaptosomes. Sitges M, et al. **J Neurochem** 1987 Jun;48(6):1745–52

Blocking of the squid axon K+ channel by noxiustoxin: a toxin from the venom of the scorpion Centruroides noxius. Carbone E, et al. **Pflugers Arch** 1987 May;408(5):423–31

Gating current experiments on frog nodes of Ranvier treated with Centruroides sculpturatus toxins or aconitine. Meves H, et al. **Pflugers Arch** 1987 Aug;409(4-5):381–93

POISONING

Acro-osteolysis following snake and scorpion envenomation. Qteishat WA, et al. **Br J Radiol** 1985 Nov;58(695):1035–9

TOXICITY

Tityus serrulatus toxin VII bears pharmacological properties of both beta-toxin and insect toxin from scorpion venoms. De Lima ME, et al. **Biochem Biophys Res Commun** 1986 Aug 29;139(1):296–302

Identification of two toxins from scorpion (Leiurus quinquestriatus) venom which block distinct classes of calcium-activated potassium channel. Castle NA, et al. **FEBS Lett** 1986 Dec 1;209(1):117–21

Scorpion venom inhibits selectively Ca2+-activated K+ channels in situ. Leneveu E, et al. **FEBS Lett** 1986 Dec 15;209(2):165–8

Electrocardiographic changes in experimental myocarditis induced by scorpion (Buthus tamulus) venom. Kari RK, et al. **Indian Heart J** 1986 May-Jun;38(3):206–10

Increased osmotic fragility of red cells after incubation at 37 degrees C for 24 hr in dogs with acute myocarditis produced by scorpion (Buthus tamulus) venom. Murthy KR, et al. **Indian J Exp Biol** 1986 Jul;24(7):464–7

Histopathological study on the effect of venom from the scorpion Heterometrus fulvipes. Parthasarathy PR, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):155–8

Charybdotoxin selectively blocks small Ca-activated K channels in Aplysia neurons. Hermann A, et al. **J Gen Physiol** 1987 Jul;90(1):27–47

Re-examination of the specificity of the scorpion Androctonus australis hector insect toxin towards arthropods. de Dianous S, et al. **Toxicon** 1987;25(4):411–7

SCORPIONS

METABOLISM

Serological characterization of humoral lectin from Heterometrus granulomanus scorpion hemolymph. Ahmed H, et al. **Dev Comp Immunol** 1986 Summer;10(3):295–304

PHYSIOLOGY

Scorpion bionomics. Williams SC. **Annu Rev Entomol** 1987; 32:275–95 (109 ref.)

SCOTOMA

DIAGNOSIS

[The four-prism fusion test in clinical practice] Pištělka Z, et al. **Cesk Oftalmol** 1986 Nov;42(6):454–9 (Eng. Abstr.) **(Cze)**

[Results of clinical studies of dynamic disadaptation scotoma] Markov TS. **Oftalmol Zh** 1987;(1):27–30 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Acute, severe, symmetric visual loss with cecocentral scotomas due to olfactory groove meningioma. Slavin ML. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):224–7

The nasal junction scotoma in giant aneurysms. Farris BK, et al. **Ophthalmology** 1986 Jul;93(7):895–905

[Slowly reversible central scotoma: iatrogenic effect of hyperbaric oxygenation in the treatment of multiple sclerosis] Lambrou GN, et al. **J Fr Ophtalmol** 1987; 10(1):51–9 (Eng. Abstr.) **(Fre)**

[Vision aids for patients with senile exudative macular degeneration. Comparison of spontaneous fibrovascular scars and scotomas induced by photocoagulation] Beuchat L, et al. **Ophthalmologica** 1986;193(3):135–42 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

A study of the value of the central and peripheral isoptres in assessing visual field progression in the presence of paracentral scotoma measurements. Schulzer M, et al.

Br J Ophthalmol 1987 Jun;71(6):422–7
Residual vision in a scotoma. A follow-up study of 'form' discrimination. Weiskrantz L. **Brain** 1987 Feb;110 (Pt 1):77–92
Control of human optokinetic nystagmus by the central and peripheral retina: effects of partial visual field masking, scotopic vision and central retinal scotomata. Van Die GC, et al. **Brain Res** 1986 Sep 24;383(1–2):185–94
Reading with a macular scotoma. II. Retinal locus for scanning text. Timberlake GT, et al.
Invest Ophthalmol Vis Sci 1987 Aug;28(8):1268–74
Suppression and the pattern visual evoked potential. Wright KW, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct; 23(5):252–7
[Stiles technics in Bjerrum's scotoma in open-angle glaucoma] Vola JL, et al. **Bull Soc Ophtalmol Fr** 1985 Oct; 85(10):1123 **(Fre)**

SCRAPIE

COMPLICATIONS

Scrapie-induced obesity in mice. Kim YS, et al.
J Infect Dis 1987 Aug;156(2):402–5
Primary retinopathy in scrapie in mice deprived of light. Foster JD, et al. **Neurosci Lett** 1986 Dec 3;72(1):111–4
Replication of scrapie prions in hamster eyes precedes retinal degeneration. Hogan RN, et al. **Ophthalmic Res** 1986; 18(4):230–5

DIAGNOSIS

Scrapie associated fibrils in the diagnosis of scrapie in sheep. Gibson PH, et al. **Vet Rec** 1987 Feb 7;120(6):125–7
Detection of scrapie-associated fibrils as an aid to the diagnosis of natural sheep scrapie. Scott AC, et al.
Vet Rec 1987 Mar 21;120(12):280–1

DRUG THERAPY

Suppression of scrapie infection in mice by heteropolyanion 23, dextran sulfate, and some other polyanions. Kimberlin RH, et al. **Antimicrob Agents Chemother** 1986 Sep; 30(3):409–13

ETIOLOGY

Prions causing degenerative neurological diseases. Prusiner SB. **Annu Rev Med** 1987;38:381–98 (95 ref.)
Prions are novel infectious pathogens causing scrapie and Creutzfeldt–Jakob disease. Prusiner SB. **Bioessays** 1986 Dec;5(6):281–6 (77 ref.)
Prion diseases and central nervous system degeneration. Prusiner SB. **Clin Res** 1987 Apr;35(3):177–91 (143 ref.)
[Transmissible spongiform encephalopathy. Natural diseases and experimental studies] Liberski PP. **Neuropatol Pol** 1986; 24(4):431–41 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Scrapie incubation periods and end-point titers in mouse strains differing at the H-2D locus. Carp RI, et al.
Intervirology 1986;26(1–2):85–92
Genetic control of scrapie: incubation period and plaque formation in I mice. Carp RI, et al. **J Gen Virol** 1987 Feb; 68 (Pt 2):401–7

IMMUNOLOGY

Isolation and characterization of macrophages from scrapie-infected mouse brain. Merz GS, et al.
Acta Neuropathol (Berl) 1987;72(3):240–7
Immunochemical characterization of proteins from scrapie-infected hamster brain, using immunoblot analysis. Wade WF, et al. **Am J Vet Res** 1987 Jul;48(7):1077–81
Effect of bacterial flora and mouse genotype (euthymic or athymic) on scrapie pathogenesis. Wade WF, et al.
J Leukocyte Biol 1986 Nov;40(5):525–32
Amyloid scrapie plaques in mice, and Alzheimer senile plaques, share common antigens with tau, a microtubule-associated protein. Brion JP, et al.
Neurosci Lett 1987 Jul 9;78(1):113–8

METABOLISM

The major protein of SAF is absent from spleen and thus not an essential part of the scrapie agent. Czub M, et al.
Arch Virol 1986;91(3–4):383–6
Changes in the localization of brain prion proteins during scrapie infection. DeArmond SJ, et al. **Neurology** 1987 Aug; 37(8):1271–80

MICROBIOLOGY

Spread of scrapie agent to the central nervous system: study of a rat model. Bassant MH, et al. **Brain Res** 1986 Sep 24;383(1–2):397–401
Prions—infectious pathogens causing the spongiform encephalopathies. Prusiner SB, et al.
CRC Crit Rev Clin Neurobiol 1985;1(3):181–200 (110 ref.)
Detection of scrapie-associated fibrils (SAF) and SAF proteins from scrapie-affected sheep. Rubenstein R, et al.
J Infect Dis 1987 Jul;156(1):36–42
[Virion or prion? Second thoughts on the physicochemical structure of the infective agent in scrapie] Liberski PP.
Neurol Neurochir Pol 1986 Jul–Aug;20(4):354–9 (30 ref.) **(Pol)**
[The structure of the infectious scrapie agent] Liberski PP.
Postepy Biochem 1986;32(1–2):203–23 (124 ref.) **(Pol)**
[Biology of the infectious scrapie agent] Liberski PP.
Postepy Hig Med Dosw 1987 Jan–Feb;41(1):54–73 (112 ref.) (Eng. Abstr.) **(Pol)**

OCCURRENCE

Failure to detect scrapie virus in sheep at slaughter in a highly endemic region of France. Cathala F, et al.
Eur J Epidemiol 1985 Jun;1(2):90–3
Study of endemic scrapie in a flock of "Ile de France" sheep. Chatelain J, et al. **Eur J Epidemiol** 1986 Mar;2(1):31–5

PATHOLOGY

An electron and light microscopic study of the numbers of dystrophic neurites and vacuoles in the hippocampus of mice infected intracerebrally with scrapie. Gibson PH, et al. **Acta Neuropathol (Berl)** 1987;73(4):379–82
Ultrastructural observations of spinal cord lesions and blood-brain barrier changes in scrapie-infected mice. Lossinsky AS, et al. **Acta Neuropathol (Berl)** 1987; 73(1):43–52
Chromatin structure in scrapie and Alzheimer's disease. McLachlan DR, et al. **Can J Neurol Sci** 1986 Nov;13(4 Suppl):427–31
Experimental infection of sheep and goats with transmissible mink encephalopathy virus. Hadlow WJ, et al.
Can J Vet Res 1987 Jan;51(1):135–44
Photoreceptor degeneration during infection with various strains of the scrapie agent in hamsters. Buyukmihci NC, et al. **Exp Neurol** 1987 Jul;97(1):201–6
Astrocytic reaction in experimental scrapie in hamsters. Liberski PP. **J Comp Pathol** 1987 Jan;97(1):73–8
Electron microscopic observations on dystrophic neurites in hamster brains infected with the 263K strain of scrapie. Liberski PP. **J Comp Pathol** 1987 Jan;97(1):35–9
Scrapie infection diminishes spines and increases varicosities of dendrites in hamsters: a quantitative Golgi analysis. Hogan RN, et al. **J Neuropathol Exp Neurol** 1987 Jul; 46(4):461–73
Gliocytosis in experimental scrapie (263K strain of scrapie) in golden Syrian hamsters. Liberski PP. **Neuropatol Pol** 1986;24(2):221–30
Spongiform encephalopathy in sheep scrapie: electron microscopic observations. Sasaki S, et al.
Nippon Juigaku Zasshi 1986 Aug;48(4):791–6
Abnormal tubulovesicular particles in brains of hamsters with scrapie. Narang HK, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):504–9
Scrapie and its association with 'amyloid-like' fibrils and glycoproteins encoded by cellular genes: an animal model for human dementia. Goudsmit J, et al. **Prog Brain Res** 1986;70:391–8 (38 ref.)
Cerebrocortical degeneration in goats inoculated with mink-passaged scrapie virus. Hadlow WJ, et al.
Vet Pathol 1986 Sep;23(5):543–9
Ovine abomasal enlargement and scrapie [letter] Sharp MW, et al. **Vet Rec** 1987 Feb 28;120(9):215
[Light and electron microscopic observations of sheep scrapie] Sasaki S, et al. **No To Shinkei** 1986 Aug; 38(8):759–64 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

PrP and the nature of the scrapie agent. Diener TO. **Cell** 1987 Jun 19;49(6):719–21
Impairment of the cortical and thalamic electrical activity in scrapie-infected rats. Bassant MH, et al.
Electroencephalogr Clin Neurophysiol 1987 Mar; 66(3):307–16
Incubation periods and survival times for mice injected stereotaxically with three scrapie strains in different brain regions. Kim YS, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):695–702
Amphotericin B delays the incubation period of scrapie in intracerebrally inoculated hamsters. Pocchiari M, et al.
J Gen Virol 1987 Jan;68 (Pt 1):219–23

TRANSMISSION

Temporary and permanent modifications to a single strain of mouse scrapie on transmission to rats and hamsters. Kimberlin RH, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1875–81
Scrapie, ribosomal proteins and biological information. Wills PR. **J Theor Biol** 1986 Sep 21;122(2):157–78

SCRAPIE AGENT

Decontamination of Creutzfeldt–Jakob disease agent [letter] Taylor DM. **Ann Neurol** 1986 Dec;20(6):749–50
Spread of scrapie agent to the central nervous system: study of a rat model. Bassant MH, et al. **Brain Res** 1986 Sep 24;383(1–2):397–401
Biology and structure of scrapie prions. McKinley MP, et al. **Int Rev Neurobiol** 1986;28:1–57 (110 ref.)

ANALYSIS

The major protein of SAF is absent from spleen and thus not an essential part of the scrapie agent. Czub M, et al.
Arch Virol 1986;91(3–4):383–6
The major polypeptide of scrapie-associated fibrils (SAF) has the same size, charge distribution and N-terminal protein sequence as predicted for the normal brain protein (PrP). Hope J, et al. **EMBO J** 1986 Oct;5(10):2591–7
Antisera to scrapie-associated fibril protein and prion protein decorate scrapie-associated fibrils. Merz PA, et al.
J Virol 1987 Jan;61(1):42–9
Purified prion proteins and scrapie infectivity copartition into liposomes. Gabizon R, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4017–21
[The structure of the infectious scrapie agent] Liberski PP.
Postepy Biochem 1986;32(1–2):203–23 (124 ref.) **(Pol)**

CLASSIFICATION

Scrapie, an unconventional virus: the current views. Narang HK. **Proc Soc Exp Biol Med** 1987 Apr;184(4):375–88 (121 ref.)

DRUG EFFECTS

Amphotericin B delays the incubation period of scrapie in intracerebrally inoculated hamsters. Pocchiari M, et al.
J Gen Virol 1987 Jan;68 (Pt 1):219–23
Purified scrapie prions resist inactivation by procedures that hydrolyze, modify, or shear nucleic acids.
Bellinger-Kawahara C, et al. **Virology** 1987 Sep; 160(1):271–4

GENETICS

Biological evidence that scrapie agent has an independent genome. Bruce ME, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):79–89
Temporary and permanent modifications to a single strain of mouse scrapie on transmission to rats and hamsters. Kimberlin RH, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1875–81
Is scrapie Prp 27–30 related to AIDS virus? [letter] Braun MJ, et al. **Nature** 1987 Jan 8–14;325(7000):113–4
Assignment of the human and mouse prion protein genes to homologous chromosomes. Sparkes RS, et al.
Proc Natl Acad Sci USA 1986 Oct;83(19):7358–62

GROWTH & DEVELOPMENT

Scrapie incubation periods and end-point titers in mouse strains differing at the H-2D locus. Carp RI, et al.
Intervirology 1986;26(1–2):85–92

IMMUNOLOGY

Immunochemical characterization of proteins from scrapie-infected hamster brain, using immunoblot analysis. Wade WF, et al. **Am J Vet Res** 1987 Jul;48(7):1077–81

ISOLATION & PURIFICATION

PrP and the nature of the scrapie agent. Diener TO. **Cell** 1987 Jun 19;49(6):719–21
Failure to detect scrapie virus in sheep at slaughter in a highly endemic region of France. Cathala F, et al.
Eur J Epidemiol 1985 Jun;1(2):90–3
Detection of scrapie-associated fibrils (SAF) and SAF proteins from scrapie-affected sheep. Rubenstein R, et al.
J Infect Dis 1987 Jul;156(1):36–42

METABOLISM

Changes in the localization of brain prion proteins during scrapie infection. DeArmond SJ, et al. **Neurology** 1987 Aug; 37(8):1271–80

PATHOGENICITY

Effects of different methods of purification on aggregation of scrapie infectivity. Castle BE, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):225–31
[Biology of the infectious scrapie agent] Liberski PP.
Postepy Hig Med Dosw 1987 Jan–Feb;41(1):54–73 (112 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Persistence of the scrapie agent in glial cells from rat Gasserian ganglion. Roikhel VM, et al.
Acta Virol (Praha) 1987 Jan;31(1):36–42
Speculations on the role of transmissible agents in the pathogenesis of Alzheimer's disease. Haase AT, et al.
Can J Neurol Sci 1986 Nov;13(4 Suppl):449–51
Genetic control of scrapie: incubation period and plaque formation in I mice. Carp RI, et al. **J Gen Virol** 1987 Feb; 68 (Pt 2):401–7
Characterization of scrapie infection in mouse neuroblastoma cells. Race RE, et al. **J Gen Virol** 1987 May;68 (Pt 5):1391–9
Scrapie, ribosomal proteins and biological information. Wills PR. **J Theor Biol** 1986 Sep 21;122(2):157–78
Replication of scrapie prions in hamster eyes precedes retinal degeneration. Hogan RN, et al. **Ophthalmic Res** 1986; 18(4):230–5

RADIATION EFFECTS

Purified scrapie prions resist inactivation by UV irradiation. Bellinger-Kawahara C, et al. **J Virol** 1987 Jan;61(1):159–66

SCRAPIE-ASSOCIATED FIBRILS see **SCRAPIE AGENT**

SCRAPIE PRION see **SCRAPIE AGENT**

SCRAPIE VIRUS see SCRAPIE AGENT

SCREW WORM INFECTION see under MYIASIS

SCROFULA see TUBERCULOSIS, LYMPH NODE

SCROTUM

Scrotal swellings in the under 5s. Wilson-Storey D. **Arch Dis Child** 1987 Jan;62(1):50–2

Acute idiopathic scrotal oedema: incidence, manifestations and aetiology. Najmaldin A, et al. **Br J Surg** 1987 Jul; 74(7):634–5

Acute gangrene of the scrotum and penis in four hematologic patients. The usefulness of hyperbaric oxygen therapy in one case. Radaelli F, et al. **Cancer** 1987 Oct 1;60(7):1462–4

Groin hernia with inguinoscrotal herniation of the urinary bladder. Bernstein JE, et al. **Clin Nucl Med** 1987 Feb; 12(2):155–6

Solitary pigmented Bowen's disease of the scrotum. Wagner RF Jr, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1114–5

The blue scrotum sign of Bryant: a diagnostic clue to ruptured abdominal aortic aneurysm. Ratzan RM, et al. **J Emerg Med** 1987 Jul–Aug;5(4):323–9

Fournier's gangrene. Ariyaprakai W, et al. **J Med Assoc Thai** 1986 Sep;69(9):457–61

Acute appendicitis presenting as a scrotal abscess. Hilbun BM, et al. **J Miss State Med Assoc** 1987 Mar;28(3):57–8

Correlation of radionuclide imaging and diagnostic ultrasound in scrotal diseases. Chen DC, et al. **J Nucl Med** 1986 Nov;27(11):1774–81

Abdominoscrotal hydrocele. Burgués PL, et al. **J Pediatr Surg** 1986 Nov;21(11):987–8

Henoch–Schönlein purpura and the acute scrotum. Clark WR, et al. **J Pediatr Surg** 1986 Nov;21(11):991–2

Cellulitis of the penis and scrotum due to group B streptococcus. Brady MT. **J Urol** 1987 Apr;137(4):736–7

Massive inguinal scrotal bladder hernias: a review of the literature with 2 new cases. Thompson JE Jr, et al. **J Urol** 1986 Dec;136(6):1299–301

The 'acute' scrotum. Lesions that require immediate attention. Witherington R. **Postgrad Med** 1987 Jul; 82(1):207–16

Idiopathic scrotal oedema. Senapati A. **Practitioner** 1986 Sep; 230(1419):758

Scrotal sonography. Hoddick WK, et al. **Semin Urol** 1985 May;3(2):146–57 (39 ref.)

Leiomyosarcoma of scrotum. Johnson H Jr. **Urology** 1987 Apr;29(4):436–8

[Diagnostic and therapeutic problems of the acute scrotum in childhood] Ivanchev I, et al. **Khirurgiia (Sofiia)** 1987; 40(3):9–11 (Eng. Abstr.) **(Bul)**

[Testicular scanning in intrascrotal lesions] Nakajima N, et al. **Hinyokika Kiyo** 1986 Sep;32(9):1275–81 (Eng. Abstr.) **(Jpn)**

[Two cases of paratesticular rhabdomyosarcoma] Seguchi T, et al. **Hinyokika Kiyo** 1987 Apr;33(4):617–24 (Eng. Abstr.) **(Jpn)**

[A case of intrascrotal rhabdomyosarcoma] Yokozeki H, et al. **Hinyokika Kiyo** 1987 Apr;33(4):625–8 (Eng. Abstr.) **(Jpn)**

[Calcinosis of the scrotum] Soldre CT, et al. **Med Cutan Ibero Lat Am** 1986;14(4):275–80 (Eng. Abstr.) **(Por)**

[Treatment of giant inguinoscrotal hernias] Borodin IF, et al. **Vestn Khir** 1987 Apr;138(4):58–60 **(Rus)**

[Fournier's gangrene] Izmailov GA, et al. **Vestn Khir** 1986 Jul;137(7):59–63 (Eng. Abstr.) **(Rus)**

[Leiomyoma of the scrotum: presentation of 2 cases] Palacios J, et al. **Arch Esp Urol** 1987 Jan–Feb;40(1):45–7 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Accessory scrotum. Kolandaivelu G, et al. **Br J Urol** 1987 Apr;59(4):363

Transposition of the external genitalia associated with the VACTERL association [letter] Schneider A, et al. **Eur J Pediatr** 1987 Jan;146(1):95

[The accessory scrotum. Apropos of 2 cases] Coupris L, et al. **Chir Pediatr** 1987;28(1):61–3 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Pathophysiology of small testes in beef bulls: relationship between scrotal circumference, histopathologic features of testes and epididymides, seminal characteristics, and endocrine profiles. Veeramachaneni DN, et al. **Am J Vet Res** 1986 Sep;47(9):1988–99

Changes in basal lamina of seminiferous tubules associated with deranged spermatogenesis in the bull. Veeramachaneni DN, et al. **Am J Vet Res** 1987 Feb; 48(2):243–5

Histochemical observations on the apocrine glands of the scrotal skin of the cat and dog. Meyer W, et al. **Gegenbaurs Morphol Jahrb** 1987;133(1):163–73

Sonography of normal and pathological scrotal contents. Oyen R, et al. **J Belge Radiol** 1986;69(1):43–50

MR imaging of the scrotum: normal anatomy. Baker LL, et al. **Radiology** 1987 Apr;163(1):89–92

[Indications for using the scrotal septal flap in hypospadias repair and studies on its regional anatomy] Li SY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Aug; 8(4):250–4 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Effects of zeranol on reproduction in beef bulls: scrotal circumference, serving ability, semen characteristics, and pathologic changes of the reproductive organs. Deschamps JC, et al. **Am J Vet Res** 1987 Jan;48(1):137–47

INJURIES

Two cases of traumatic denudation of the penile and scrotal skin. Somogyi L, et al. **Acta Chir Hung** 1987;28(2):97–103

Scrotal scan in traumatic hematoma. Harwood SJ, et al. **Clin Nucl Med** 1987 Jul;12(7):559–60

Penetrating injuries of the scrotum associated with later abdominal wall abscesses. Evans PD, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):111

[Contusions of the scrotum and its contents (apropos of 30 cases)] Benchekroun A, et al. **Maroc Med** 1985 Sep; 7(3):668–73 (Eng. Abstr.) **(Fre)**

INNERVATION

Alteration of the discharge pattern of rat diencephalic neurones with scrotal skin temperature. Taylor DC, et al. **Neurosci Lett** 1986 Dec 3;72(1):59–63

Effect of localized changes in scrotal and trunk skin temperature on the demand for radiant heat by pigs. Swiergiel AH, et al. **Physiol Behav** 1987;40(4):523–6

PATHOLOGY

Fibrin bodies revisited [letter] Byard RW, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):88–9

Scrotal ultrasonography: a clinical evaluation. Fowler RC, et al. **Br J Radiol** 1987 Jul;60(715):649–54

Idiopathic calcinosis of scrotum. Moskovitz B, et al. **Eur Urol** 1987;13(1–2):130–1

Extramammary Paget's cells: further evidence of sweat gland derivation. Hamm H, et al. **J Am Acad Dermatol** 1986 Dec; 15(6):1275–81

Ultrasonic evaluation of the scrotum in lymphoproliferative disease. Phillips G, et al. **J Ultrasound Med** 1987 Apr; 6(4):169–75

Extratesticular dermoid cyst and fibrous dysplasia of epididymis. Bloom DA, et al. **J Urol** 1987 May;137(5):996–7

Ultrasonography of the acute scrotum. Martin B, et al. **JCU** 1987 Jan;15(1):37–44

Ultrasound imaging of the scrotum. A pictorial guide to its varied capabilities. Rockey KE, et al. **Postgrad Med** 1987 Jul;82(1):219–27

MR imaging of the scrotum: pathologic conditions. Baker LL, et al. **Radiology** 1987 Apr;163(1):93–8

MR imaging of the scrotum with a high-resolution surface coil. Rholl KS, et al. **Radiology** 1987 Apr;163(1):99–103

Testes and scrotum: MR imaging at 1.5 T. Seidenwurm D, et al. **Radiology** 1987 Aug;164(2):393–8

Pneumatosis cystoides intestinalis following lactulose and steroid treatment in a liver transplant patient with an intermittently enlarged scrotum. Janssen DA, et al. **Transplant Proc** 1987 Apr;19(2):2949–52

Giant neurilemoma: unusual scrotal mass. Fernandez MJ, et al. **Urology** 1987 Jul;30(1):74–6

Benign scrotal tumors masquerading as expanding varicoceles. Kaufman DG, et al. **Urology** 1987 Jun; 29(6):612–5

[Ultrasonic diagnosis of diseases of the scrotum and its contents] Mladenov D, et al. **Khirurgiia (Sofiia)** 1986; 39(5):67–70 (Eng. Abstr.) **(Bul)**

[Fournier's syndrome: report of 3 cases] Yang TJ, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Jun;24(6):369–70, 383 (Eng. Abstr.) **(Chi)**

[Fournier's syndrome] Gandawidjaja L, et al. **Acta Chir Belg** 1987 Mar–Apr;87(2):96–100 (Eng. Abstr.) **(Dut)**

[Sonographic diagnosis in diseases of the scrotal contents] Rehm B, et al. **Med Klin** 1986 Feb 28;81(4):122–4 (Eng. Abstr.) **(Ger)**

[Differential sonographic diagnosis of scrotal diseases] Hausegger K. **ROFO** 1987 May;146(5):538–43 (Eng. Abstr.) **(Ger)**

[Intrascrotal sclerosing lipogranuloma: a case report] Yoshida M, et al. **Hinyokika Kiyo** 1987 Jan;33(1):137–40 (Eng. Abstr.) **(Jpn)**

[Fulminating gangrene of the external sex organs] Aliziatulov RF. **Vestn Dermatol Venerol** 1986;(10):64–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The significance of scrotal interference in stage I testicular cancer managed by orchiectomy and surveillance. Kennedy CL, et al. **Br J Urol** 1986 Dec;58(6):705–8

RADIOGRAPHY

Pneumoperitoneum and pneumoscrotum caused by gastric perforation. Garcia C, et al. **Am J Perinatol** 1987 Jan; 4(1):75–7

RADIONUCLIDE IMAGING

Gastrointestinal bleeding detected in scrotal hernia. Skarzynski J, et al. **Clin Nucl Med** 1987 Apr;12(4):322

SURGERY

Re: Li: The use of scrotal septal neurovascular pedicle island skin flap in one-stage repair of hypospadias [letter] Dvir E. **Ann Plast Surg** 1987 Jun;18(6):558

Orchidopexy: the effect of changing patterns of referral and treatment on outcome. London NJ, et al. **Br J Surg** 1987 Jul;74(7):636–8

Application of leeches to reduce swelling after reconstructive surgery. Makin CA, et al. **Br J Urol** 1987 Feb;59(2):189

Leiomyosarcoma of the scrotum. Collier DS, et al. **J Surg Oncol** 1987 Mar;34(3):176–8 (9 ref.)

"Turban" scrotal dressing.Manson AL, et al. **J Urol** 1987 Feb;137(2):238–9

The scrotal myocutaneous flap. Mendez-Fernandez MA, et al. **Plast Reconstr Surg** 1986 Nov;78(5):676–8

Surgery of scrotal contents. Sharlip ID. **Urol Clin North Am** 1987 Feb;14(1):145–8

Cavernous hemangioma of scrotum and penile shaft. Senoh H, et al. **Urol Int** 1986;41(4):309–11

Gracilis musculocutaneous flap scrotal reconstruction after Fournier gangrene. Banks DW, et al. **Urology** 1986 Oct; 28(4):275–6

Scrotal placement of reservoir of inflatable penile prosthesis. Fein RL. **Urology** 1986 Nov;28(5):430–1

Penile and scrotal inversion vaginoplasty for male to female transsexuals. Small MP. **Urology** 1987 Jun;29(6):593–7

[Surgical treatment of chronic scrotal pain. The results of a retrospective study of 10-year case material] Ingerslev HJ, et al. **Ugeskr Laeger** 1987 Mar 2;149(10):658–60 (Eng. Abstr.) **(Dan)**

[Intraoperative findings in 111 orchipexies] Johansen TE. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):240–1, 244 (Eng. Abstr.) **(Nor)**

[Orchiopexy. Principles and technics] Johansen TE. **Tidsskr Nor Laegeforen** 1987 Jan 30;107(3):236–9 (Eng. Abstr.) **(Nor)**

SCRUB TYPHUS

Laboratory animal models for human scrub typhus. Ridgway RL, et al. **Lab Anim Sci** 1986 Oct;36(5):481–5 (54 ref.)

BLOOD

[Changes in the lymphocyte count in tsutsugamushi fever] Utsunomiya A, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1258–60 **(Jpn)**

DIAGNOSIS

Detection of surface antigen in Rickettsia tsutsugamushi infected mouse reticuloendothelial cells. Lim TS, et al. **Southeast Asian J Trop Med Public Health** 1986 Jun; 17(2):151–5

[Clinical study of tsutsugamushi disease in Miyazaki District] Shishime E, et al. **Kansenshogaku Zasshi** 1987 Mar; 61(3):297–302 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Scrub typhus along the Thai–Kampuchean border: new treatment regimen. Paul SR, et al. **Trop Doct** 1987 Jul; 17(3):104–7

IMMUNOLOGY

Suppression of lymphocyte responsiveness during acute Rickettsia tsutsugamushi infection in mice. Lim TS, et al. **Jpn J Med Sci Biol** 1986 Jun;39(3):129–38

MICROBIOLOGY

Immunological properties of Rickettsia tsutsugamushi, Kawasaki strain, isolated from a patient in Kyushu. Yamamoto S, et al. **Microbiol Immunol** 1986;30(7):611–20

[A case of tsutsugamushi disease with isolation of Rickettsia from peripheral blood and tsutsugamushi disease in Japan] Kameda Y, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul; 96(8):791–803 **(Jpn)**

OCCURRENCE

A serological survey of scrub, tick, and endemic typhus in Sabah, East Malaysia. Taylor AC, et al. **Southeast Asian J Trop Med Public Health** 1986 Dec; 17(4):613–9

[Studies on tsutsugamushi disease in Gifu Prefecture. 3. Seasonal fluctuation in positive rates of Rickettsia tsutsugamushi in wild rodents and number of patients] Kasuya S, et al. **Kansenshogaku Zasshi** 1986 Sep; 60(9):1022–6 (Eng. Abstr.) **(Jpn)**

[Present status of Tsutsugamushi disease, especially its epidemiology, clinical features and etiological diagnosis in Japan] Suto T. **Uirusu** 1986 Jun;36(1):55–70 (77 ref.) **(Jpn)**

TRANSMISSION

Two new species of Leptotrombidium (Acari: Actinedida: Trombiculidae), probable vectors of scrub typhus in Thailand. Tanskul PL, et al. **J Med Entomol** 1986 Dec 4;23(6):661–5

SCULPTURE see under ART

SCURVY

COMPLICATIONS

A case of scurvy [letter] Carney MW. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):883–4

DIAGNOSIS

[Scurvy in a Dutch child] Faber–Nijholt R, et al. **Ned Tijdschr Geneeskd** 1986 Dec 27;130(52):2351–3 (Eng. Abstr.) **(Dut)**

DRUG THERAPY

Treatment of a metabolic disease, scurvy, by administration of the missing enzyme. Sato PH, et al. **Biochem Med Metab Biol** 1986 Feb;35(1):59–64

Enzyme replacement in scurvy. **Nutr Rev** 1987 May; 45(5):155–7

EMBRYOLOGY

Transient neonatal zinc deficiency [letter] Carroll HF. **Am J Clin Nutr** 1987 Feb;45(2):496–7

ENZYMOLOGY

Heterologous immunoprecipitates also have potential for therapeutic use. Hadley KB, et al. **Biotechnol Appl Biochem** 1987 Feb;9(1):1–11

Hepatic uridine–diphosphate glucuronyl transferase activity of guinea pig with scurvy. Constantopoulos A, et al. **Cytobios** 1987;50(202–203):173–9

ETIOLOGY

Severe hypovitaminosis C occurring as the result of adoptive immunotherapy with high–dose interleukin 2 and lymphokine–activated killer cells. Marcus SL, et al. **Cancer Res** 1987 Aug 1;47(15):4208–12

The Korsakoff syndrome in an alcoholic man with scurvy. **Nutr Rev** 1986 Nov;44(11):366–9

[Scurvy disclosing celiac disease (letter)] Zultak M, et al. **Presse Med** 1986 Oct 11;15(34):1730 **(Fre)**

HISTORY

The classic. Scurvy treated with ascorbic acid. By Leonard G. Parsons. 1933. **Clin Orthop** 1987 Sep;(222):3–4

A treasury of dentistry. A causerie on scurvy. Foley GP. **J Am Coll Dent** 1986 Winter;53(4):27–30

Nutrition classics. The observations of Sir Richard Hawkins, knight, in his voyage into the South Sea, anno Domini, 1593. **Nutr Rev** 1986 Nov;44(11):370–1

[A. G. Bakherakht on scurvy] Petrov BD. **Gig Sanit** 1987 Apr;(4):45–6 **(Rus)**

METABOLISM

The fate of intravenously administered hepatic ferritin in normal, phenylhydrazine–treated and scorbutic guinea–pigs. Simon M, et al. **Br J Haematol** 1987 Feb; 65(2):239–43

PATHOLOGY

Myocardial morphophysiological changes in experimental scurvy. Laky D, et al. **Morphol Embryol (Bucur)** 1986 Oct–Dec;32(4):279–83

PREVENTION & CONTROL

Antiscorbutic effect of dehydro–L–ascorbic acid in vitamin C–deficient guinea pigs. Otsuka M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1986 Apr;32(2):183–90

RADIOGRAPHY

Case report 406: Scurvy. Boeve WJ, et al. **Skeletal Radiol** 1987;16(1):67–9

SD ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

SD ANTIGENS, HUMAN see **HLA ANTIGENS**

SEA ANEMONE VENOMS see **COELENTERATE VENOMS**

SEA ANEMONES see under **COELENTERATA**

SEA–BLUE HISTIOCYTE SYNDROME

COMPLICATIONS

Sea–blue histiocyte syndrome with cutaneous involvement. Case report with ultrastructural findings. Zina AM, et al. **Dermatologica** 1987;174(1):39–44

DIAGNOSIS

[An adult form of type B Niemann–Pick disease manifesting as blue histiocyte syndrome] Elleder M, et al. **Vnitr Lek** 1986 Nov;32(11):1114–20 (Eng. Abstr.) **(Cze)**

SEA CUCUMBERS see under **ECHINODERMATA**

SEA SNAKE VENOMS see **HYDROPHID VENOMS**

SEA URCHINS

Venomous sea urchins. Burnett JW, et al. **Cutis** 1986 Sep; 38(3):151

ANALYSIS

Tryptic digestion of dynein 1 in low salt medium. Origin and properties of fragment A. Ow RA, et al. **J Biol Chem** 1987 Mar 5;262(7):3409–14

Matrix proteins of the teeth of the sea urchin Lytechinus variegatus. Veis DJ, et al. **J Exp Zool** 1986 Oct; 240(1):35–46

Sea urchin prosome: characterization and changes during development. Akhayat O, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1595–9

EMBRYOLOGY

Cell junctions during the early development of the sea urchin embryo (Paracentrotus lividus). Andreuccetti P, et al. **Cell Differ** 1987 Mar;20(2–3):137–46

Acquisition of thermotolerance in sea urchin embryos correlates with the synthesis and age of the heat shock proteins. Sconzo G, et al. **Cell Differ** 1986 Oct;19(3):173–7

Polarized microtubule gliding and particle saltations produced by soluble factors from sea urchin eggs and embryos. Pryer NK, et al. **Cell Motil Cytoskeleton** 1986; 6(6):537–48

Wave of cortical actin polymerization in the sea urchin egg. Yonemura S, et al. **Cell Motil Cytoskeleton** 1987;7(1):46–53

The regulation of primary mesenchyme cell migration in the sea urchin embryo: transplantations of cells and latex beads. Ettensohn CA, et al. **Dev Biol** 1986 Oct;117(2):380–91

Developmental expression of a cell–surface protein involved in calcium uptake and skeleton formation in sea urchin embryos. Farach MC, et al. **Dev Biol** 1987 Aug; 122(2):320–31

Archenteron elongation in the sea urchin embryo is a microtubule–independent process. Hardin JD. **Dev Biol** 1987 May;121(1):253–62

Correct cell–type–specific expression of a fusion gene injected into sea urchin eggs. Hough–Evans BR, et al. **Dev Biol** 1987 Jun;121(2):576–9

Antibodies to a fusion protein identify a cDNA clone encoding msp130, a primary mesenchyme–specific cell surface protein of the sea urchin embryo. Leaf DS, et al. **Dev Biol** 1987 May;121(1):29–40

Expression of myosin heavy chain gene in the sea urchin: coregulation with muscle actin transcription in early development. Rose SJ 3d, et al. **Dev Biol** 1987 Sep; 123(1):115–24

Localization of fodrin during fertilization and early development of sea urchins and mice. Schatten H, et al. **Dev Biol** 1986 Dec;118(2):457–66

Changes in the synthesis and intracellular localization of nuclear proteins during embryogenesis in the sea urchin Strongylocentrotus purpuratus. Servetnick MD, et al. **Dev Biol** 1987 Sep;123(1):231–44

Translation of maternal histone mRNAs in sea urchin embryos: a test of control by 5'cap methylation. Showman RM, et al. **Dev Biol** 1987 May;121(1):284–7

Inhibition of cell migration in sea urchin embryos by beta–D–xyloside. Solursh M, et al. **Dev Biol** 1986 Dec; 118(2):325–32

The effects of aphidicolin on morphogenesis and differentiation in the sea urchin embryo. Stephens L, et al. **Dev Biol** 1986 Nov;118(1):64–9

Effects of 5 azacytidine on DNA methylation and early development of sea urchins and ascidia. Maharajan P, et al. **Differentiation** 1986;32(3):200–7

Functional characterization of toposomes from sea urchin blastula embryos by a morphogenetic cell aggregation assay. Matranga V, et al. **EMBO J** 1986 Dec 1; 5(12):3125–32

Ribonucleoside uptake and phosphorylation during fertilization and early development of the sea–urchin, Strongylocentrotus purpuratus. Killian CE, et al. **Eur J Biochem** 1987 May 15;165(1):91–8

A new method for isolating primary mesenchyme cells of the sea urchin embryo. Panning on wheat germ agglutinin–coated dishes. Ettensohn CA, et al. **Exp Cell Res** 1987 Feb;168(2):431–8

AP4A–hydrolysing activity in sea urchin embryos. Morioka M, et al. **Exp Cell Res** 1987 Mar;169(1):57–62

Uptake and metabolism of nucleosides by embryos of the sea urchin Strongylocentrotus purpuratus. Schneider EG, et al. **Exp Cell Res** 1987 Jan;168(1):1–14

Sea urchin maternal and embryonic U1 RNAs are spatially segregated in early embryos. Nash MA, et al. **J Cell Biol** 1987 May;104(5):1133–42

The reproduction of centrosomes: nuclear versus cytoplasmic controls. Sluder G, et al. **J Cell Biol** 1986 Nov; 103(5):1873–81

Phenotypic switching to long cilia effected by various proteases: results with Dendraster excentricus and Stronglyocentrotus purpuratus blastulae. Riederer–Henderson MA. **J Exp Zool** 1986 Dec; 240(3):327–33

Metallothionein genes MTa and MTb expressed under distinct quantitative and tissue–specific regulation in sea urchin embryos. Wilkinson DG, et al. **Mol Cell Biol** 1987 Jan;7(1):48–58

Effect of pseudopterosin A on cell division, cell cycle progression, DNA, and protein synthesis in cultured sea urchin embryos. Ettouati WS, et al. **Mol Pharmacol** 1987 May;31(5):500–5

Changes in the protein complement following UV irradiation and their photoreversal in sea urchin (Hemicentrotus pulcherrimus) embryos. Akimoto Y, et al. **Photochem Photobiol** 1987 Jun;45(6):809–14

Effects of the volatile anesthetic halothane on fertilization and early development in the sea urchin Lytechinus variegatus: evidence that abnormal development is due to polyspermy. Hinkley RE Jr, et al. **Teratology** 1986 Dec; 34(3):291–301

[Morpho–functional changes in the ovaries of the sea urchin Strongylocentrotus intermedius after exposure to cadmium] Lipina IG, et al. **Ontogenez** 1987 May–Jun;18(3):269–76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Change in the activity of Cl–,HCO3(–)–ATPase in microsome fraction during early development of the sea urchin, Hemicentrotus pulcherrimus. Mitsunaga K, et al. **J Biochem (Tokyo)** 1986 Dec;100(6):1607–15

Inhibition of a proteolytic activity from the coelomic fluid of the sea urchin Strongylocentrotus droebachiensis by antithrombin III is potentiated by heparin. Marcum JA, et al. **Thromb Res** 1987 May 15;46(4):593–600

GENETICS

Nucleotide sequence of two 3'–termini of rRNA in the sea urchin Lytechinus variegatus. Ho KC, et al. **Biochim Biophys Acta** 1987 Jul 14;909(2):156–9

A lineage–specific gene encoding a major matrix protein of the sea urchin embryo spicule. I. Authentication of the cloned gene and its developmental expression. Benson S, et al. **Dev Biol** 1987 Apr;120(2):499–506

Sea urchin actin gene linkages determined by genetic segregation. Minor JE, et al. **Dev Biol** 1987 Jul;122(1):291–5

A lineage–specific gene encoding a major matrix protein of the sea urchin embryo spicule. II. Structure of the gene and derived sequence of the protein. Sucov HM, et al. **Dev Biol** 1987 Apr;120(2):507–19

A novel gene order in the Paracentrotus lividus mitochondrial genome. Cantatore P, et al. **Gene** 1987; 53(1):41–54

Structure and organization of the CyIII actin gene subfamily of the sea urchin, Strongylocentrotus purpuratus. Akhurst RJ, et al. **J Mol Biol** 1987 Mar 20;194(2):193–203

The sequence of a sea urchin muscle actin gene suggests a gene conversion with a cytoskeletal actin gene. Crain WR Jr, et al. **J Mol Evol** 1987;25(1):37–45

Insertion of an intermediate repetitive sequence into a sea urchin histone–gene spacer. Yager LN, et al. **J Mol Evol** 1987;24(4):346–56

Tripartite sequences within and 3' to the sea urchin H2A histone gene display properties associated with a transcriptional termination process. Johnson MR, et al. **Mol Cell Biol** 1986 Nov;6(11):4008–18

Characterization of two nonallelic pairs of late histone H2A and H2B genes of the sea urchin: differential regulation in the embryo and tissue–specific expression in the adult. Kemler I, et al. **Mol Cell Biol** 1986 Nov;6(11):3746–54

Sequences from sea urchin TU transposons are conserved among multiple eucaryotic species, including humans. Liebermann D, et al. **Mol Cell Biol** 1986 Jan;6(1):218–26

Characterization of a cDNA clone coding for a sea urchin histone H2A variant related to the H2A.F/Z histone protein in vertebrates. Ernst SG, et al. **Nucleic Acids Res** 1987 Jun 11;15(11):4629–44

Comparison of the late H1 histone genes of the sea urchins Lytechinus pictus and Strongelocentrotus purpuratus. Knowles JA, et al. **Nucleic Acids Res** 1986 Oct 24; 14(20):8121–33

The nucleotide sequence of the gene encoding the sperm specific histone subtype H2B–1 from the sea urchin Strongylocentrotus purpuratus. Lai Z, et al. **Nucleic Acids Res** 1986 Nov 25;14(22):9218

Isolation and characterization of the gene encoding the testis specific histone protein H2B–2 from the sea urchin Lytechinus pictus. Lai ZC, et al. **Nucleic Acids Res** 1986 Sep 11;14(17):6845–56

Structure and expression of a second sea urchin U1 RNA gene repeat. Yu JC, et al. **Nucleic Acids Res** 1986 Dec 22;14(24):9977–88

GROWTH & DEVELOPMENT

Atypical changes in chromatin structure during development in the sea urchin, Lytechinus variegatus. Rowland RD, et al. **Biochim Biophys Acta** 1987 Feb 27;908(2):169–78

Differential expression of early and late embryonic histone genes in adult tissues of the sea urchin Strongylocentrotus purpuratus. Halsell SR, et al. **Dev Biol** 1987 Jan; 119(1):268–74

Constraint, flexibility, and phylogenetic history in the evolution of direct development in sea urchins. Raff RA. **Dev Biol** 1987 Jan;119(1):6–19

IMMUNOLOGY

Delayed hypersensitivity reaction following a sea urchin sting. Burke WA, et al. **Int J Dermatol** 1986 Dec;

25(10):649–50

METABOLISM

Translational initiation factors from sea urchin eggs and embryos: functional properties are highly conserved. Lopo AC, et al. **Arch Biochem Biophys** 1986 Oct;250(1):162–70

Elimination of 2,4,5,2',4',5'-hexachlorobiphenyl by the purple sea urchin, Strongylocentrotus purpuratus, following single exposure. Tjeerdema RS, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1029–36

Degradation of sperm histones in vitro by cytoplasm of the sea urchin egg. Betzalel M, et al. **Cell Differ** 1987 Mar; 20(2–3):125–36

Detection of nuclear lamin B epitopes in oocyte nuclei from mice, sea urchins, and clams using a human autoimmune serum. Maul GG, et al. **Dev Biol** 1987 Jun;121(2):368–75

PHYSIOLOGY

Activation of sea urchin gametes. Trimmer JS, et al. **Annu Rev Cell Biol** 1986;2:1–26 (155 ref.)

Improved methodology for a sea urchin sperm cell bioassay for marine waters. Dinnel PA, et al. **Arch Environ Contam Toxicol** 1987 Jan;16(1):23–32

Barium spikes are generated in the spines of the sea urchin Diadema antillarum. Hernandez ZM, et al. **Comp Biochem Physiol [A]** 1987;86(2):355–9

Internal pH can regulate Ca2+ uptake and the acrosome reaction in sea urchin sperm. García-Soto J, et al. **Dev Biol** 1987 Mar;120(1):112–20

Correlative ultrastructural and electrophysiological studies of sperm–egg interactions of the sea urchin, Lytechinus variegatus. Longo FJ, et al. **Dev Biol** 1986 Nov; 118(1):155–66

Isolation and characterization of proteolytic fragments of the sea urchin sperm receptor that retain species specificity. Ruiz-Bravo N, et al. **Dev Biol** 1986 Nov;118(1):202–8

Advantages of using aquatic animals for biomedical research on reproductive toxicology. Mottet NK, et al. **Environ Health Perspect** 1987 Apr;71:69–75 (43 ref.)

Regulation of glucose-6-phosphate dehydrogenase activity in sea urchin eggs by reversible association with cell structural elements. Swezey RR, et al. **J Cell Biol** 1986 Oct;103(4):1509–15

Consistent synchronization and circaseptennian (about-7-yearly) modulation of circannual gonadal index rhythm of three marine invertebrates. Halberg F, et al. **Prog Clin Biol Res** 1987;227A:225–38

RADIATION EFFECTS

Effects of low-intensity pulsed electromagnetic fields on the early development of sea urchins. Falugi C, et al. **Biophys J** 1987 Jun;51(6):999–1003

ULTRASTRUCTURE

The chromatin of sea urchin sperm. Puigdomenech P, et al. **Biochim Biophys Acta** 1987 Jan 28;908(1):70–80

SEALANTS, TOOTH see **PIT AND FISSURE SEALANTS**

SEALED CABIN ECOLOGY

Cardiovascular research in space: considerations for the design of the human research facility of the United States Space Station. Charles JB, et al. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 1):1000–5

Infectious disease in Antarctica and its relation to aerospace medicine: a review. Cosman BC, et al. **Aviat Space Environ Med** 1987 Feb;58(2):174–9 (53 ref.)

The Aerospace Medical Research Laboratory: a leader in the development of life support. White SC. **Aviat Space Environ Med** 1986 Oct;57(10 Pt 2):A44–8

[Characteristics of the formation of a microbial complex in the nutrient solutions of higher plants after the use of straw mineralization products] Drugova NA, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):81–5 (Eng. Abstr.) **(Rus)**

[Derivation of the working equations of a CO2–CO–H2O–H2–N2 gas mixture for the cathode space of an electrolyzer with solid electrolyte taking into account its oxygen extraction] Grishaenkov BG, et al. **Kosm Biol Aviakosm Med** 1986 Nov–Dec;20(6):76–9 (Eng. Abstr.) **(Rus)**

[Functional evaluation of the musculoskeletal system under an autonomous life support regimen based on data on blood biochemical indices] Makarovskii VV, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):69–75 (Eng. Abstr.) **(Rus)**

[Effect of cooling and freezing on the microflora of water regenerated from a condensate of atmospheric vapor] Shikina MI, et al. **Kosm Biol Aviakosm Med** 1987 Mar–Apr; 21(2):87–9 **(Rus)**

[Effect of silver preparations on the microflora regenerated from a condensate of atmospheric water vapor in a hermetically-sealed chamber] Shikina MI, et al. **Kosm Biol Aviakosm Med** 1987 May–Jun;21(3):80–2 (Eng. Abstr.) **(Rus)**

[Effect of increased concentrations of oxygen and carbon dioxide in the air on the status of the cardiorespiratory system] Altukhov VG, et al. **Voen Med Zh** 1987 Apr; (4):39–40 **(Rus)**

INSTRUMENTATION

[V-V bypass ECLA (extracorporeal lung assist) with a double lumen catheter for neonates] Otsu T. **Masui** 1986 Jun;35(6):949–56 (Eng. Abstr.) **(Jpn)**

SEALS see under **PINNIPEDIA**

SEASICKNESS see **MOTION SICKNESS**

SEASONS

Seasonal variation in urinary excretion of 5-S-cysteinyldopa in healthy Japanese. Ito S, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):163–5

Midwinter insomnia in the subarctic region: evening levels of serum melatonin and cortisol before and after treatment with bright artificial light. Hansen T, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):428–34

Seasons of birth and subtypes of schizophrenia. Hsieh HH, et al. **Acta Psychiatr Scand** 1987 Apr;75(4):373–6

Light treatment of seasonal affective disorder in Switzerland. Wirz-Justice A, et al. **Acta Psychiatr Scand** 1986 Aug; 74(2):193–204

Alcoholism: theoretical consideration of season of birth and geographic latitude. London WP. **Alcohol** 1987 Mar–Apr; 4(2):127–9

Annual skeletal changes in the little brown bat, Myotis lucifugus lucifugus, with particular reference to pregnancy and lactation. Kwiecinski GG, et al. **Am J Anat** 1987 Apr; 178(4):410–20

Vitamin D status in the elderly: seasonal substrate deficiency causes 1,25-dihydroxycholecalciferol deficiency. Bouillon RA, et al. **Am J Clin Nutr** 1987 Apr;45(4):755–63

Variations of phylloquinone concentration in human milk at various stages of lactation and in cow's milk at various seasons. Fournier B, et al. **Am J Clin Nutr** 1987 Mar; 45(3):551–8

Seasonal variation in intake of carotenoids and vegetables and fruits among white men in New Jersey. Ziegler RG, et al. **Am J Clin Nutr** 1987 Jan;45(1):107–14

Seasonal variation in the incidence of cutaneous malignant melanoma: an analysis by body site and histologic type. Schwartz SM, et al. **Am J Epidemiol** 1987 Jul;126(1):104–11

Temporal variation in violent death in Erie County, New York, 1973–1983. Abel EL, et al. **Am J Forensic Med Pathol** 1987 Jun;8(2):107–11

Note on the choice of statistic for testing hypotheses regarding seasonality. O'Brien KF, et al. **Am J Phys Anthropol** 1987 Apr;72(4):523–4

Seasonal, sexual, and individual variation in endurance and activity metabolism in lizards. Garland T Jr, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R439–49

Treatment of a patient with seasonal premenstrual syndrome. Parry BL, et al. **Am J Psychiatry** 1987 Jun;144(6):762–6

Seasonal change in aggressivity [letter] Ronat J. **Am J Psychiatry** 1987 Jun;144(6):824–5

Eye versus skin phototherapy of seasonal affective disorder. Wehr TA, et al. **Am J Psychiatry** 1987 Jun;144(6):753–7

Seasonal affective disorder: a review of the syndrome and its public health implications. Jacobsen FM, et al. **Am J Public Health** 1987 Jan;77(1):57–60

Circannual rhythms in reproductive functions of human males, correlations among hormones and hormone-dependent parameters. Abbaticchio G, et al. **Andrologia** 1987 May–Jun;19(3):353–61

Long-term trends in biochemical data obtained from two population surveys. Broughton PM, et al. **Ann Clin Biochem** 1986 Jul;23 (Pt 4):474–86

When is a variation seasonal? [letter] Broughton PM, et al. **Ann Clin Biochem** 1987 Jan;24 (Pt 1):114

Seasonal variations in haematological and biochemical parameters. Gidlow DA, et al. **Ann Clin Biochem** 1986 May; 23 (Pt 3):310–6

Nursing shortage strategies [letter] Willman MC. **AORN J** 1987 Sep;46(3):402

Cord blood IgE and month of birth. Kimpen J, et al. **Arch Dis Child** 1987 May;62(5):478–82

Correlation between month of menarche and month of birth. Miura T, et al. **Arch Gynecol** 1987;240(4):195–200

The seasonal prevalence of the Toxoplasma gondii infections in stray cats from urban area studied by parasitological methods. Pop A, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jan–Mar; 45(1):57–63

Seasonal variation in systemic onset juvenile rheumatoid arthritis [letter] Lindsley CB. **Arthritis Rheum** 1987 Jul; 30(7):838–9

Developmental and seasonal changes in canary song and their relation to changes in the anatomy of song-control nuclei. Nottebohm F, et al. **Behav Neural Biol** 1986 Nov; 46(3):445–71

Seasonal variation in the form of iron in the liver of Spitsbergen reindeer: a Mössbauer spectroscopic study. Dickson DP, et al. **Biochim Biophys Acta** 1987 Jun 22; 924(3):442–6

Influence of season and estradiol on secretion of luteinizing hormone in ovariectomized cows. Day ML, et al. **Biol Reprod** 1986 Oct;35(3):549–53

Evolution and testosterone content of the epididymis during the annual cycle of the lizard Lacerta vivipara. Dufaure JP, et al. **Biol Reprod** 1986 Oct;35(3):667–75

Vitamin D, parathyroid, and thymus gland influences on seasonal variations in renal electrolyte excretion. Desroches D, et al. **Bone** 1986;7(3):223–8

Seasonal variations in indices of bone formation precede appropriate bone mineral changes in normal men. Hyldstrup L, et al. **Bone** 1986;7(3):167–70

Cancer of the testis and month of birth. Kinlen LJ, et al. **Br J Cancer** 1987 May;55(5):579–81

Cyclic variation in onset of central retinal vein occlusion. Lavin MJ, et al. **Br J Ophthalmol** 1987 Jan;71(1):18–20

Seasonal hypomania in a patient with cold urticaria. Harvey NS, et al. **Br J Psychiatry** 1986 Aug;149:238–41

Seasons of birth and sub-types of schizophrenia [letter] Hsieh HH, et al. **Br J Psychiatry** 1986 Jul;149:125

Asthma and climatic conditions: experiences from Hong Kong [letter] Wong KW, et al. **Br Med J [Clin Res]** 1987 Jan 10;294(6564):119

Season and social environment influence the membrane integrity of ejaculated boar spermatozoa as assessed by ouabain sensitivity. Trudeau V, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1407–12

Circannual rhythm in natural killer activity and mitogen responsiveness of murine splenocytes. Pati AK, et al. **Cell Immunol** 1987 Aug;108(1):227–34

Season of birth in infantile autism. Konstantareas MM, et al. **Child Psychiatry Hum Dev** 1986 Fall;17(1):53–65

Seasonal affective disorder: prevalence varies with latitude and climate. Potkin SG, et al. **Clin Neuropharmacol** 1986; 9 Suppl 4:181–3

Seasonal affective disorder & light: past, present and future. Rosenthal NE, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:193–5

Seasonal changes in hepatic activity of G-6-phosphate and alpha-glycerophosphate dehydrogenase in farmed polecats and raccoon dogs. Korhonen H, et al. **Comp Biochem Physiol [B]** 1987;86(1):117–21

Toxicity in Tilapia zilli and Clarias lazera (Pisces) induced by zinc, seasonally. Hilmy AM, et al. **Comp Biochem Physiol [C]** 1987;86(2):263–5

Seasonal variation of cardiovascular function in the marmot, Marmota flaviventris. Zatzman ML, et al. **Cryobiology** 1987 Aug;24(4):376–85

Seasonal variation of UV radiation at the Dead Sea. Leibovici V, et al. **Dermatologica** 1987;174(6):290–2

Seasonality in glycosylated hemoglobin in normal subjects. Does seasonal incidence in insulin-dependent diabetes suggest specific etiology? MacDonald MJ, et al. **Diabetes** 1987 Mar;36(3):265–8

Incidence and differences in urban–rural seasonal variation of type 1 (insulin-dependent) diabetes in Wisconsin. Allen C, et al. **Diabetologia** 1986 Sep;29(9):629–33

Seasonal pattern of some causative agents of childhood diarrhoea in Nairobi. Mutanda LN, et al. **East Afr Med J** 1986 Jun;63(6):373–82

Circannual rhythms of laboratory parameters in serum of elderly subjects. Evaluation by cosinor analysis. Nicolau GY, et al. **Endocrinologie** 1986 Oct–Dec;24(4):281–92

Biosynthesis of antifreeze polypeptides in the winter flounder. Characterization and seasonal occurrence of precursor polypeptides. Hew CL, et al. **Eur J Biochem** 1986 Oct 15; 160(2):267–72

Birth seasonality of breast cancer patients and its variation according to menopausal status and histologic type in Japan. Nakao H. **Eur J Cancer Clin Oncol** 1986 Sep; 22(9):1105–10

Seasonal changes of circadian pattern in human rectal temperature rhythm under semi-natural conditions. Maruta N, et al. **Experientia** 1987 Mar 15;43(3):294–6

The influence of seasonal atmospheric factors on human reproduction. Miura T. **Experientia** 1987 Jan 15;43(1):48–54

Dose relationships of morning bright white light in seasonal affective disorders (SAD). Wirz-Justice A, et al. **Experientia** 1987 May 15;43(5):574–6

Seasonal changes in pineal melatonin content and hydroxyindole-O-methyltransferase activity in juvenile chinook salmon, Oncorhynchus tshawytscha. Birks EK, et al. **Gen Comp Endocrinol** 1986 Oct;64(1):91–8

Seasonal variation of plasma testosterone in a wild population of male Eastern quoll, Dasyurus viverrinus (Marsupialia: Dasyuridae), from Tasmania. Bryant SL. **Gen Comp Endocrinol** 1986 Oct;64(1):75–9

Seasonal changes in testicular size and in plasma follicle-stimulating hormone and prolactin concentrations in thyroidectomized male and thyroidectomized castrated starlings (Sturnus vulgaris). Dawson A, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):38–44

Weekly variations in body weight and plasma testosterone concentrations in the captive male possum, Trichosurus vulpecula. Gemmell RT, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):1–7

Seasonal cycles in gonadal activity and plasma gonadotropin in the musk turtle, Sternotherus odoratus. Mendonca MT, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):459–69

Seasonal changes in prolactin and luteinizing hormone in the polyandrous spotted sandpiper, Actitis macularia. Oring LW, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):394–403

Annual cycle of plasma thyroid hormone levels in the toad, Bufo japonicus. Tasaki Y, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):404–10

Plasma and testicular estradiol and plasma androgen profile in the male frog Rana esculenta during the annual cycle. Varriale B, et al. **Gen Comp Endocrinol** 1986 Dec; 64(3):401–4

Brain distribution of radioimmunoassayable gonadotropin-releasing hormone in female goldfish: seasonal variation and periovulatory changes. Yu KL, et al. **Gen Comp Endocrinol** 1987 Aug;67(2):234–46

Testosterone, testis size, seasonality, and behavior in group-living stumptail macaques (Macaca arctoides). Nieuwenhuijsen K, et al. **Horm Behav** 1987 Jun; 21(2):153–69

Seasonality of adult male Japanese macaques (Macaca fuscata): androgens and behavior in a confined troop. Rostal DC, et al. **Horm Behav** 1986 Dec;20(4):452–62

Hospitals live with sharp seasonal admission shifts. Merrill T. **Hospitals** 1987 Jun 5;61(11):34

Cold-induced bradycardia in man during sleep in arctic winter nights. Buguet AG. **Int J Biometeorol** 1987 Mar; 31(1):21–31

Cold weather and myocardial infarction. Thakur CP, et al. **Int J Cardiol** 1987 Jul;16(1):19–25

Seasonal variation in tumor size at diagnosis and immunologic responses in human breast cancer. Ownby HE, et al. **Invasion Metastasis** 1986;6(4):246–56

Seasonal childhood acute lymphocytic leukemia in the midwest. Harris RE, et al. **Iowa Med** 1986 Sep;76(9):419–22

Seasonal distribution of legionellae isolated from various types of water in Israel. Bercovier H, et al. **Isr J Med Sci** 1986 Sep;22(9):644–6

Seasonal variation in paired maternal-newborn serum 25-hydroxyvitamin D and 24,25-dihydroxyvitamin D concentrations in Israel. Nehama H, et al. **Isr J Med Sci** 1987 Apr;23(4):274–7

Seasonality of Legionella isolates from environmental sources. Tobiansky L, et al. **Isr J Med Sci** 1986 Sep; 22(9):640–3

Seasonal variation in affective disorders. A case register study. Williams P, et al. **J Affective Disord** 1987 Mar–Apr; 12(2):145–52

Seasonal variation in dust mite and grass-pollen allergens in dust from the houses of patients with asthma. Platts-Mills TA, et al. **J Allergy Clin Immunol** 1987 May;79(5):781–91

Seasonal asthma in northern California: allergic causes and efficacy of immunotherapy. Reid MJ, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):590–600

Nutritional status of middle-aged and elderly females in Kentucky in two seasons: Part 1. Body weight and related factors. Lee CJ, et al. **J Am Coll Nutr** 1987 Jun;6(3):209–15

Nutritional status of middle-aged and elderly females in Kentucky in two seasons: Part 2. Hematological parameters. Lee CJ, et al. **J Am Coll Nutr** 1987 Jun; 6(3):217–22

Genotype x environment interactions involving proportion of Brahman breeding and season of birth. I. Calf growth to weaning. Bolton RC, et al. **J Anim Sci** 1987 Jul; 65(1):42–7

Naloxone-reversible inhibition of luteinizing hormone in postpartum ewes: effects of suckling and season. Malven PV, et al. **J Anim Sci** 1987 Jul;65(1):196–202

Secretion of luteinizing hormone and follicle stimulating hormone in intact and ovariectomized mares in summer and winter. Thompson DL Jr, et al. **J Anim Sci** 1987 Jan; 64(1):247–53

Effect of variation of temperature on the incidence of stroke. Thakur CP, et al. **J Assoc Physicians India** 1986 Dec; 34(12):855–7

The seasonal risk of pediatric/juvenile acute lymphocytic leukemia in the United States. Harris RE, et al. **J Chronic Dis** 1987;40(10):915–23

Olfaction--and the smell of summer. Lee RV. **J Chronic Dis** 1987;40(8):819–21

High prevalence of subacute thyroiditis during summer season in Italy. Martino E, et al. **J Endocrinol Invest** 1987 Jun;10(3):321–3

Month of birth of men with malignant germ cell tumours of the testis. Bernstein L, et al. **J Epidemiol Community Health** 1986 Sep;40(3):214–7

Seasonal variations in cryptorchidism. Jackson MB, et al. **J Epidemiol Community Health** 1986 Sep;40(3):210–3

Seasonal variations in diagnosis of uterine, ovarian, and cervical malignancies. Benrubi G, et al. **J Fla Med Assoc** 1987 Mar;74(3):190–4

Seasonal aspects of immunological reactivity of the human and animal organism. Melnikov OF, et al. **J Hyg Epidemiol Microbiol Immunol** 1987;31(2):225–30

Seasonal variation of the prevalences of malnutrition in Thai children. Tontisirin K, et al. **J Med Assoc Thai** 1986 Oct; 69 Suppl 2:124–31

The relationships of anhedonia and the process-reactive dimension to season of birth and infectious disease incidence in schizophrenia. Watson CG, et al. **J Nerv Ment Dis** 1987 Jan;175(1):34–40

Seasonal variation in mammalian striated muscle mass and motoneuron morphology. Forger NG, et al. **J Neurobiol** 1987 Mar;18(2):155–65

Cyclical serum 25-hydroxyvitamin D concentrations paralleling sunshine exposure in exclusively breast-fed infants. Specker BL, et al. **J Pediatr** 1987 May;110(5):744–7

Temperature and aggression: effects on quarterly, yearly, and city rates of violent and nonviolent crime. Anderson CA. **J Pers Soc Psychol** 1987 Jun;52(6):1161–73

Seasonal variation in onset of exacerbations of ulcerative proctocolitis. Sellu DP. **J R Coll Surg Edinb** 1986 Jun; 31(3):158–60

Seasonal differences in function of the hypothalamic-hypophysial-ovarian axis in weaned primiparous sows. Armstrong JD, et al. **J Reprod Fertil** 1986 Sep;78(1):11–20

Seasonal changes in plasma testosterone concentrations and Leydig cell and accessory gland activity in the Cape horseshoe bat (Rhinolophus capensis). Bernard RT. **J Reprod Fertil** 1986 Nov;78(2):413–22

Seasonal variations in the pituitary response to LHRH in the brown hare (Lepus europaeus). Caillol M, et al. **J Reprod Fertil** 1986 Nov;78(2):479–86

The onset of seasonal quiescence in the female Bennett's wallaby (Macropus rufogriseus rufogriseus). Curlewis JD, et al. **J Reprod Fertil** 1987 May;80(1):119–24

Seasonal variations in the effectiveness of urinary chemosignals influencing puberty in female house mice. Drickamer LC. **J Reprod Fertil** 1987 May;80(1):295–300

Effect of melatonin and removal of pouch young on the seasonality of births in the marsupial possum, Trichosurus vulpecula. Gemmell RT. **J Reprod Fertil** 1987 May; 80(1):301–7

Season influences FSH concentration in ovariectomized Ile-de-France ewes. Montgomery GW, et al. **J Reprod Fertil** 1987 May;80(1):271–7

Seasonal reproduction in ewes selected on seasonal changes in wool growth. Montgomery GW, et al. **J Reprod Fertil** 1987 Jan;79(1):207–13

Photoperiodic history and a changing melatonin pattern can determine the neuroendocrine response of the ewe to daylength. Robinson JE, et al. **J Reprod Fertil** 1987 May; 80(1):159–65

Effects of melatonin implantation on spermatogenesis, the moulting cycle and plasma concentrations of melatonin, LH, prolactin and testosterone in the male blue fox (Alopex lagopus). Smith AJ, et al. **J Reprod Fertil** 1987 Mar; 79(2):379–90

Seasonal changes in oestrogen receptor affinity in the domestic rabbit, Oryctolagus cuniculus. Stern JE, et al. **J Reprod Fertil** 1987 Jan;79(1):15–20

The effects of distance and season on the use of boreholes in northeastern Imo State, Nigeria. Blum D, et al. **J Trop Med Hyg** 1987 Feb;90(1):45–50

Seasonal variations in vanillylmandelic acid and homovanillic acid in infants' urine. Nishi M, et al. **Jpn J Clin Oncol** 1987 Jun;17(2):151–5

Delayed recovery of sleep and melatonin rhythms after nightshift work in Antarctic winter [letter] Broadway J, et al. **Lancet** 1986 Oct 4;2(8510):813–4

Month of birth and prevalence of musculoskeletal diseases later in life [letter] Fønnebo V. **Lancet** 1987 Mar 28; 1(8535):739–40

Temporal order vs. variability in activation of lymphocytes from aging mice. Brock MA. **Mech Ageing Dev** 1986–87 Jan;37(3):197–210

Heat acclimatization during summer running in the northeastern United States. Armstrong LE, et al. **Med Sci Sports Exerc** 1987 Apr;19(2):131–6

Preliminary observation on seasonal changes of trichothecene mycotoxin production by fusaria. Chełkowski J, et al. **Nahrung** 1987;31(2):173–4

Role of the pineal gland and melatonin in seasonal reproductive function in mammals. Arendt J. **Oxf Rev Reprod Biol** 1986;8:266–320 (230 ref.)

Seasonal difference in thermoregulatory responses to opiates in a mammalian hibernator. Wang LC, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):565–71

Circannual cycles of body mass food intake and reproductive condition in male pallid bats. Beasley LJ, et al. **Physiol Behav** 1986;38(5):697–702

Pinealectomy blocks vernal courtship behavior in red-sided garter snakes. Nelson RJ, et al. **Physiol Behav** 1987; 39(2):231–3

Spontaneous testicular recrudescence of Syrian hamsters: role of stimulatory photoperiods. Nelson RJ, et al. **Physiol Behav** 1987;39(5):615–7

Natural light exposure of young adults. Savides TJ, et al. **Physiol Behav** 1986 Oct;38(4):571–4

Neurologic injuries from winter sporting accidents. How they happen and how to minimize them. Lehman LB. **Postgrad Med** 1986 Dec;80(8):88, 93, 96–8

Seasonality in personality dimensions. Lacoste V, et al. **Psychiatry Res** 1987 Jun;21(2):181–3

Seasonal births, academic achievement and psychopathology (suicide and homicide): a regional analysis. Baker G, et al. **Psychol Rep** 1986 Oct;59(2 Pt 2):742

Month of birth of suicides, homicides and natural deaths. Lester D. **Psychol Rep** 1987 Jun;60(3 Pt 2):1310

Light therapy for depression: present status, problems, and perspectives. Wirz-Justice A. **Psychopathology** 1986;19 Suppl 2:136–41 (38 ref.)

Determinants of the seasonal migration of the elderly to Sunbelt states. Hogan TD. **Res Aging** 1987 Mar;9(1):115–33

Texas snowbirds. Seasonal migrants to the Rio Grande Valley. Martin HW, et al. **Res Aging** 1987 Mar;9(1):134–47

Photoperiodism and the hormonal control of insect diapause. Saunders DS. **Sci Prog** 1987;71(281 Pt 1):51–69

Seasonal variation of copper and zinc concentrations in the oyster Saccostrea cucullata from the Dampier Archipelago, Western Australia: implications for pollution monitoring. Talbot V. **Sci Total Environ** 1986 Dec 1; 57:217–30

Seasonal variation in conception and various pregnancy outcomes. Warren CW, et al. **Soc Biol** 1986 Spring-Summer;33(1-2):116–26

Monthly variation in the pattern of extramural psychiatric care. Balestrieri M, et al. **Soc Psychiatry** 1987;22(3):160–6

Seasonality of births and birthweights in Tanzania. Bantje H. **Soc Sci Med** 1987;24(9):733–9

Seasonal variation of acute appendicitis: a 56-year study. Wolkomir A, et al. **South Med J** 1987 Aug;80(8):958–60

Circadian and seasonal variations of glucocorticoid receptors in normal human lymphocytes. Schlaghecke R, et al. **Steroids** 1986 Apr–May;47(4–5):287–94

Stroke in the Lehigh Valley: seasonal variation in incidence rates. Sobel E, et al. **Stroke** 1987 Jan–Feb;18(1):38–42

Suicide in Japan: socioeconomic effects on its secular and seasonal trends. Araki S, et al. **Suicide Life Threat Behav** 1987 Spring;17(1):64–71

An isoelectric focusing study of seasonal variation in rattlesnake venom proteins. Gregory-Dwyer VM, et al. **Toxicon** 1986;24(10):995–1000

Influence of season of birth on weight for age in two genetic groups of cattle. Msanga YN, et al. **Trop Anim Health Prod** 1986 Nov;18(4):217–21

The seasonal antibody response in juvenile summer flounder (Paralichthys dentatus) to the hemoflagellate Trypanoplasma bullocki. Burreson EM, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):395–402

Seasonal changes in the humoral immune response and the lymphoid tissues of the marine teleost, Sebastiscus marmoratus. Nakanishi T. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):213–21

[Is gastroduodenal ulcer a seasonal disease?] Coenen C, et al. **Med Klin** 1986 Aug 22;81(17):555–9 (Eng. Abstr.) (Ger)

[Seasonal disposition of gastroduodenal ulcer--legend or reality?] Tulassay Z, et al. **Wien Med Wochenschr** 1987 Feb 28;137(4):76, 78 (Eng. Abstr.) (Ger)

[Seasonal variations in the incidence of duodenal ulcer: fact, artifact or fiction?] Börsch G, et al. **Z Gastroenterol** 1986 Aug;24(8):434–7 (Ger)

[Effect of meteorologic environmental factors on the incidence of accidents] Türk HC, et al. **Z Gesamte Hyg** 1986 Dec;32(12):704–7 (Eng. Abstr.) (Ger)

[Body supply of vitamin D in mothers and newborn infants at birth in relation to the seasons] Pluta A, et al. **Pol Tyg Lek** 1987 Mar 2;42(9):254–6, 259 (Eng. Abstr.) (Pol)

[Seasonal variations in the incidence of inflammatory changes and ulcers of the stomach and duodenum in endoscopic examinations] Markiewicz A, et al. **Przegl Lek** 1986; 43(5):407–9 (Eng. Abstr.) (Pol)

[Hydrobotanical after-purification of effluents from a medical drug plant in winter] Abramov AV, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):264–7 (Eng. Abstr.) (Rus)

[Seasonal fluctuations in the antibiotic sensitivity of Vibrio cholerae] Andrusenko IT, et al. **Antibiot Med Biotekhnol** 1987 Apr;32(4):275–9 (Eng. Abstr.) (Rus)

[Seasonal changes in the endocrine cells of the gastric epithelium of Rana temporaria] Rossol'ko GN, et al. **Arkh Anat Gistol Embriol** 1987 Feb;92(2):55–61 (Eng. Abstr.) (Rus)

[Seasonal involution of the lymphoid tissue of the spleen of the European suslik (Citellus citellus L.)] Shivacheva TM, et al. **Arkh Anat Gistol Embriol** 1987 May;92(5):48–53 (Eng. Abstr.) (Rus)

[Seasonal changes in the behavioral effects of neuroleptics on white rats] Otter MIa, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):577–9 (Eng. Abstr.) (Rus)

[Seasonal dynamics of the proliferative activity in hibernating animals] Kruman II, et al. **Dokl Akad Nauk SSSR** 1986; 291(4):992–4 (Rus)

[Energy expenditures in the physical work of winter swimming enthusiasts] Lizarenko PV, et al. **Fiziol Cheloveka** 1986 Nov–Dec;12(6):1036–8 (Rus)

[Changes in the respiratory function of women during different seasons of the year] Lutsenko MT, et al. **Fiziol Cheloveka** 1987 May–Jun;13(3):446–9 (Rus)

[Seasonal dynamics of human endocrine functions in the North] Tkachev AV, et al. **Fiziol Cheloveka** 1987 Mar–Apr; 13(2):328–30 (Rus)

[Melatonin and prolactin: their circadian and seasonal rhythms] Bondarenko LA, et al. **Fiziol Zh** 1987 Jul–Aug; 33(4):98–101 (Eng. Abstr.) (Rus)

[Seasonal changes in the surface activity of pulmonary surfactants] Gorchakov VIu, et al. **Fiziol Zh** 1987 May–Jun; 33(3):86–9 (Eng. Abstr.) (Rus)

[Mathematical assessment of the level of protection of the population against malaria by seasonal chemoprophylaxis] Losev GI. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):21–5 (Eng. Abstr.) (Rus)

[Seasonal changes in the population structure of the causative agents of zoonotic cutaneous leishmaniasis in its virulent properties] Strelkova MV, et al. **Med Parazitol (Mosk)** 1986 Jul–Aug;(4):32–8 (Eng. Abstr.) (Rus)

[Seasonal rhythms of the functional activity of the hypophysis and insular apparatus in healthy children 8 to 15 years old] Mikadze DS. **Pediatriia** 1987;(3):23–5 (Eng. Abstr.) (Rus)

[Periodicity and seasonal variations in the incidence of rheumatism and their relation to various exogenous biorhythms] Pial LT, et al. **Ter Arkh** 1986;58(7):81–4 (Eng. Abstr.) (Rus)

[Serous meningitis in Odessa in the summer-fall period of 1984] Zevakov VF, et al. **Vrach Delo** 1986 Nov;(11):107–9 (Eng. Abstr.) **(Rus)**

[Seasonality of Sonne dysentery among organized and unorganized groups of children in years with different morbidity levels] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):51–4 (Eng. Abstr.) **(Rus)**

[Seasonal birth rate of children with congenital heart defects] Stukovský R, et al. **Bratisl Lek Listy** 1987 Jun;87(6):726–31 (Eng. Abstr.) **(Slo)**

SEAT BELTS

Preliminary estimates of the effects of mandatory seat belt use laws. Lund AK, et al. **Accid Anal Prev** 1987 Jun; 19(3):219–23

Influences on passenger vehicle casualty accident frequency and severity: unemployment, driver gender, driver age, drinking driving and restraint device use. Mercer GW. **Accid Anal Prev** 1987 Jun;19(3):231–6

The effect of New York's seat belt use law on teenage drivers. Preusser DF, et al. **Accid Anal Prev** 1987 Apr;19(2):73–80

Safety belts in the prevention of spinal cord injury [letter] Stover SL, et al. **Ala J Med Sci** 1987 Apr;24(2):228

Children's seatbelt usage: evidence from the National Health Interview Survey. Haaga J. **Am J Public Health** 1986 Dec; 76(12):1425–7

Initial effects of the New York State auto safety belt law. Latimer EA, et al. **Am J Public Health** 1987 Feb; 77(2):183–6

Seat belt use laws and occupant crash protection in the United States. Williams AF, et al. **Am J Public Health** 1986 Dec;76(12):1438–42

The seat belt law and after. Cole MD, et al. **Br J Ophthalmol** 1987 Jun;71(6):436–40

Hospitals' response to the buckle-up baby legislation in Ontario. Lawee D, et al. **Can Med Assoc J** 1986 Nov 15; 135(10):1131–6

Involving children and youth in community projects. Kalishman N, et al. **Child Today** 1987 Mar–Apr;16(2):23–6

Assessment of the static fit of automobile lap-belt systems on front-seat passengers. Wells RP, et al. **Ergonomics** 1986 Aug;29(8):955–76

Seat belt education program—a model for public health settings. Saunders S, et al. **Health Educ Q** 1986 Fall; 13(3):243–7

Effectiveness and cost effectiveness of persuasive communications and incentives in increasing safety belt use. Simons-Morton BG, et al. **Health Educ Q** 1987 Summer; 14(2):167–79

The effect of head restraints and seat belts on the incidence of neck injury in car accidents. Olney DB, et al. **Injury** 1986 Nov;17(6):365–7

Trauma prevention from the use of seat belts. Peterson TD. **Iowa Med** 1987 May;77(5):233–6

Promoting automobile safety belt use by young children. Sowers-Hoag KM, et al. **J Appl Behav Anal** 1987 Summer; 20(2):133–8

Effect of a brief physician intervention on seat belt use. Kelly RB. **J Fam Pract** 1987 Jun;24(6):630–2

Seat belt use among New York bar patrons. Preusser DF, et al. **J Public Health Policy** 1986 Winter;7(4):470–9

Fetal skull fracture and brain injury after a maternal automobile accident. A case report. Bowdler N, et al. **J Reprod Med** 1987 May;32(5):375–8

Abdominal injuries sustained in severe traffic accidents by seatbelt wearers. Arajärvi E, et al. **J Trauma** 1987 Apr; 27(4):393–7

Political risk assessment, from an elected safety belt law advocate's point of view and experience. Austin RH. **J Trauma** 1987 Jul;27(7):719–25

Safety belt injury reduction related to crash severity and front seated position. Campbell BJ. **J Trauma** 1987 Jul; 27(7):733–9

Fatality risk reduction from safety belt use. Evans L. **J Trauma** 1987 Jul;27(7):746–9

The assessment of facial injury to fully restrained drivers through full-scale car crash testing. Gallup BM, et al. **J Trauma** 1987 Jul;27(7):711–8

Seat belt effectiveness: case examples from real-world crash investigations. Huelke DF, et al. **J Trauma** 1987 Jul; 27(7):750–3

Seat belt legislation in Britain. MacKay M. **J Trauma** 1987 Jul;27(7):759–62

Seat belt legislation and seat belt effectiveness in the Federal Republic of Germany. Marburger EA, et al. **J Trauma** 1987 Jul;27(7):703–5

New York State mandatory seatbelt use law: patterns of seatbelt use before and after legislation. Pace BW, et al. **J Trauma** 1986 Nov;26(11):1031–3

Seat belt laws: the New York experience—preliminary data and some observations. Petrucelli E. **J Trauma** 1987 Jul; 27(7):706–10

Effects of seat belts and injuries resulting from improper use. Sato TB. **J Trauma** 1987 Jul;27(7):754–8

Motor vehicle trauma and safety belt use in the context of public health priorities. Sleet DA. **J Trauma** 1987 Jul; 27(7):695–702

Effects of child restraint laws on traffic fatalities in eleven states. Wagenaar AC, et al. **J Trauma** 1987 Jul;27(7):726–32

The use of seat belts [letter] Rosenfeld SA. **JAMA** 1987 Jun 5;257(21):2919

The use of seat belts [letter] Weissman A. **JAMA** 1987 Mar 20;257(11):1473–4

The Swiss seat belt law: lessons for the United States. Burris JF. **Md Med J** 1986 Sep;35(9):749–51

Use of car seat belts during pregnancy [letter] Herbert DC. **Med J Aust** 1983 Jan 8;1(1):12

Use of seat belts—DeKalb County, Georgia, 1986. **MMWR** 1987 Jul 17;36(27):433–7

Occupant restraint usage in fatal crashes—Fatal Accident Reporting System, 1975–1986. **MMWR** 1987 Oct 2; 36(38):636, 641–3

Toward prevention of maternal mortality [letter] Kemmerer DL. **N Engl J Med** 1987 Aug 27;317(9):574–5

Automobile accidents—seat belts and air bags. Foster JD, et al. **NJ Med** 1986 Nov;83(11):715–20

Seat belts in pregnancy and the obstetrician. Schoenfeld A, et al. **Obstet Gynecol Surv** 1987 May;42(5):275–82 (62 ref.)

Interventions in preschools to increase the use of safety restraints by preschool children. Bowman JA, et al. **Pediatrics** 1987 Jan;79(1):103–9

Seat restraints don't fit [letter] Hall CB. **Pediatrics** 1978 Jan; 61(1):143

The compelling case for seat belts on school buses. Spital M, et al. **Pediatrics** 1986 Nov;78(5):928–32

Questions car safety statistics [letter] Vimpani GV. **Pediatrics** 1978 Jan;61(1):147

Preventing injuries to children through compulsory automobile safety seat use [published erratum appears in Pediatrics 1987 Jun;79(6):863] Wagenaar AC, et al. **Pediatrics** 1986 Oct;78(4):662–72

Physician involvement in safety programs is not enough [letter] Walsh MJ. **Pediatrics** 1978 Jan;61(1):142–3

Correlates of seat-belt use by adolescents: implications for health promotion. Maron DJ, et al. **Prev Med** 1986 Nov; 15(6):614–23

Effects of mandating seatbelt use: a series of surveys on compliance in Michigan. Wagenaar AC, et al. **Public Health Rep** 1986 Sep–Oct;101(5):505–13

Estimating fatality reductions from increased safety belt use. Evans L. **Risk Anal** 1987 Mar;7(1):49–57

Axis fractures resulting from motor vehicle accidents. The need for occupant restraints. Hadley MN, et al. **Spine** 1986 Nov;11(9):861–4

[Incidence of injuries caused by windshields following implementation of the 1984 seat belt law] Lund OE. **Fortschr Ophthalmol** 1986;83(4):420–1 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Auto seat restraint soft-tissue injury [letter] Pennes DR, et al. **AJR** 1987 Feb;148(2):458

The seat-belt sign [letter] Freeman CP. **Arch Emerg Med** 1987 Jun;4(2):128–30

Seat belt injuries. Porter SD, et al. **Arch Surg** 1968 Feb; 96(2):242–6

Transverse disruption of the abdominal wall—a tell-tale sign of seat belt related hollow viscus injury. Johnstone BR, et al. **Aust NZ J Surg** 1987 Jul;57(7):455–60

Seat-belt stomach transection in association with 'Chance' vertebral fracture. Carragher AM, et al. **Br J Surg** 1987 May;74(5):397

Breast lumps and seat belt injury [letter] McInerney PD. **Br J Surg** 1987 Mar;74(3):231

Infant whiplash syndrome [letter] Funk K. **Child Abuse Negl** 1987;11(1):155

Traumatic rupture of the stomach due to a seat belt. Baker AR, et al. **Injury** 1986 Jan;17(1):47–8

Distal arterial emboli following seat belt injury of the aorta. Dunlop MG. **Injury** 1986 Nov;17(6):370–1

Spinal and abdominal injury in an infant due to the incorrect use of a car seat belt. Hope PG, et al. **Injury** 1986 Nov; 17(6):368–9

Cardiac contusion in patients wearing seat belts. Muwanga CL, et al. **Injury** 1986 Jan;17(1):37–9

Seat belts and human rights: an appraisal. Greenberg SR. **J Forensic Sci** 1987 Jan;32(1):158–66

Fatal injuries caused by underarm use of shoulder belts. States JD, et al. **J Trauma** 1987 Jul;27(7):704–5

Lateral flexion-distraction fracture. A variant of the seat-belt fracture. Herron LD. **Spine** 1987 May;12(4):398–400

[Impact of protective measures in traffic polytraumatology] de Kearney J. **Chirurgie** 1986;112(9):653–60 (Eng. Abstr.) **(Fre)**

[Fat necrosis, caused by seat belt injury, simulating breast cancer in a poly-traumatized patient] Elek E Jr, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1986; 29(4):311–3 (Eng. Abstr.) **(Hun)**

[Intestinal lesions caused by seat belts: apropos of a case] Costantini R, et al. **Ann Ital Chir** 1986;58(2–4):85–90 (Eng. Abstr.) **(Ita)**

[Injuries caused by seat belts] Zuppichini F, et al. **Chir Ital** 1986 Oct;38(5):480–93 (Eng. Abstr.) **(Ita)**

[Use of seat belts during pregnancy] Brückner V, et al. **Tidsskr Nor Laegeforen** 1986 Aug 30;106(24):1922–3 (Eng. Abstr.) **(Nor)**

STANDARDS

Protective level of safety harnesses combined with some racing car seats in frontal impacts—a laboratory study. Ottoson AL, et al. **Accid Anal Prev** 1986 Dec;18(6):483–94

Development of an Australian standard for wheelchair occupant restraint assemblies for motor vehicles. Fisher WE, et al. **J Rehabil Res Dev** 1987 Summer;24(3):23–34

Injuries to a sample of seatbelted children evaluated and treated in a hospital emergency room. Agran PF, et al. **J Trauma** 1987 Jan;27(1):58–64

UTILIZATION

Seat belt usage rates: a test of Peltzman's hypothesis. McCarthy PS. **Accid Anal Prev** 1986 Oct;18(5):425–38

SEAWATER

Denitrification by a marine bacterium Pseudomonas nautica strain 617. Bonin P, et al. **Ann Inst Pasteur Microbiol** 1987 May–Jun;138(3):371–83

Interaction between salinity and toxicity of phosphamidon in Metapenaeus monoceros (Fabricius). Vijayalakshmi P, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):797–801

Acute toxicity of trichloroethylene to saltwater organisms. Ward GS, et al. **Bull Environ Contam Toxicol** 1986 Dec; 37(6):830–6

Metabolic effects in rats drinking increasing concentrations of sea-water. Etzion Z, et al. **Comp Biochem Physiol [A]** 1987;86(1):49–55

Osmoregulatory actions of growth hormone in rainbow trout (Salmo gairdneri). Bolton JP, et al. **J Endocrinol** 1987 Jan; 112(1):63–8

The dirty sea [editorial] Gilder SS. **S Afr Med J** 1986 Nov 8;70(10):579–80

[Hygienic evaluation of a method of electrodialysis mineralization of desalinated water] Iakubov KhG. **Gig Sanit** 1987 Jan;(1):68–9 **(Rus)**

[Standards for benzo(a)pyrene in seawater] Veldre IA. **Gig Sanit** 1986 Jul;(7):79–81 **(Rus)**

[Microflora of the Black Sea mussel Mytilus galloprovincialis L.] Mironov OG. **Mikrobiologiia** 1987 Jan–Feb;56(1):162–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Marine-acquired infections. Hazards of the ocean environment. Chang WJ, et al. **Postgrad Med** 1986 Sep 15;80(4):30–2, 37, 41

ANALYSIS

Chlorination byproducts of Arabian Gulf seawater. Fayad NM, et al. **Bull Environ Contam Toxicol** 1987 Mar; 38(3):475–82

Comparative uptake from sea water and tissue distribution of 60Co in marine mollusks. Carvalho FP. **Health Phys** 1987 Jul;53(1):73–81

Vertical flux of hexachlorobenzene in coastal waters of the north-west Mediterranean Sea. Fowler SW, et al. **IARC Sci Publ** 1986;(77):67–73

Characteristic levels of chlorinated hydrocarbons and trace metals in fish from coastal waters of North and Baltic sea. Luckas B, et al. **Int J Environ Anal Chem** 1987;29(3):215–25

[Evolution of hydrocarbons and bacterial activity in the marine sediments contaminated by crude oil overflow and treated] Bodennec G, et al. **Int J Environ Anal Chem** 1987; 29(3):153–78 (Eng. Abstr.) **(Fre)**

[Sanitary microbiological verification of recreational loads on the water area of seashore beaches] Korchak GI, et al. **Gig Sanit** 1986 Dec;(12):22–4 (Eng. Abstr.) **(Rus)**

SEAWEED

see related
CARRAGEENAN

Pre-evacuation dilatation of the pregnant uterine cervix by Laminaria japonica. Herczeg J, et al. **Acta Med Hung** 1986; 43(2):145–54

Successful pregnancy outcome after cervical dilation with multiple laminaria tents in preparation for second-trimester elective abortion: a report of two cases. Van Le L, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):612–3

The effect of dietary seaweeds on 7,12-dimethyl-benz[a]anthracene-induced mammary tumorigenesis in rats. Yamamoto I, et al. **Cancer Lett** 1987 May;35(2):109–18

Randomized comparison of different prostaglandin analogues and laminaria tent for preoperative cervical dilatation. World Health Organization Special Programme of Research, Development and Research Training in Human Reproduction: Task Force on Prostaglandins for Fertility Regulation. Krishna U, et al. **Contraception** 1986 Sep; 34(3):237–51

Reduction of 131I content in leafy vegetables and seaweed by cooking. Hisamatsu S, et al. **J Radiat Res (Tokyo)** 1987 Mar;28(1):135–40

Cervical dilation before first-trimester elective abortion: a controlled comparison of meteneprost, laminaria, and hypan. Darney PD, et al. **Obstet Gynecol** 1987 Sep;70(3 Pt 1):397–400

Vaginal removal of the pedunculated submucous myoma: the use of laminaria. Goldrath MH. **Obstet Gynecol** 1987 Oct; 70(4):670–2

Lamicel versus laminaria for cervical dilation before early second-trimester abortion: a randomized clinical trial. Grimes DA, et al. **Obstet Gynecol** 1987 Jun;69(6):887–90

[Effects of clofibrate, silybin, safflower oil and lamindran

on liver peroxisome proliferation and enzyme activities in rats] Wu SG, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May;7(3):283–4 (Eng. Abstr.) **(Chi)**

[Study on iodine intake by the Japanese. Report 1. Digestibility of iodine from the seaweed Undaria pinnatifida] Yamada Y, et al. **Nippon Eiseigaku Zasshi** 1986 Dec;41(5):817–21 (Eng. Abstr.) **(Jpn)**

[Papers from seaweeds—manufacture and applications of alginate fiber papers] Kobayashi Y. **Tanpakushitsu Kakusan Koso** 1986 Sep;31(11):1066–77 (52 ref.) **(Jpn)**

SEBACEOUS CYST see **EPIDERMAL CYST**

SEBACEOUS GLAND NEOPLASMS

Sebaceous carcinoma of the face following irradiation. Hood IC, et al. **Am J Dermatopathol** 1986 Dec;8(6):505–8

CHEMICALLY INDUCED

Sebaceous adenomas with associated epidermal hyperplasia and papilloma formation as a major type of tumor induced in mouse skin by high doses of carcinogens. Rice JM, et al. **Cancer Lett** 1986 Dec;33(3):295–306

COMPLICATIONS

Solitary tumors of meibomian gland origin and Torre's syndrome. Tillawi I, et al. **Am J Ophthalmol** 1987 Aug 15;104(2):179–82

Torre's syndrome in association with premalignant and malignant tumors and suspected familial polyposis. Maipang T, et al. **J Surg Oncol** 1987 Jun;35(2):104–6

DIAGNOSIS

Nevus sebaceus of Jadassohn: the head and neck manifestations. Hagan WE. **Laryngoscope** 1987 Aug;97(8 Pt 1):909–14

FAMILIAL & GENETIC

Transitional cell carcinoma in the Muir–Torre syndrome. Grignon DJ, et al. **J Urol** 1987 Aug;138(2):406–8

IMMUNOLOGY

Torre's syndrome: exacerbation of cutaneous manifestations with immunosuppression. Stone MS, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1101–3

METABOLISM

Concanavalin A and Lens culinaris agglutinin binding patterns in normal and neoplastic sebaceous epithelium. Von Kuster L, et al. **J Cutan Pathol** 1986 Aug;13(4):274–84

PNA-binding sites in sebaceous tumors. Tamaki K, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):118–21

PATHOLOGY

Extraocular sebaceous carcinoma with intraepidermal (pagetoid) spread [letter] Nguyen GK, et al. **Am J Dermatopathol** 1987 Aug;9(4):364–5

Sebaceous carcinoma arising from Bowen's disease of the vulva. Jacobs DM, et al. **Arch Dermatol** 1986 Oct; 122(10):1191–3

Carcinoma arising in Bowen's disease. Kao GF. **Arch Dermatol** 1986 Oct;122(10):1124–6

Epidermal appendage tumors in xeroderma pigmentosum [letter] Kars SA, et al. **Arch Dermatol** 1987 Jun;123(6):713–4

Morpheic plaque of the lower eyelid. Sebaceous carcinoma of the eyelid. Page EH, et al. **Arch Dermatol** 1987 May; 123(5):654–5, 658

Sebaceous gland tumor of the ovary. Kaku T, et al. **Gynecol Oncol** 1987 Mar;26(3):398–402

Superficial epithelioma with sebaceous differentiation. Friedman KJ, et al. **J Cutan Pathol** 1987 Aug;14(4):193–7

Aural sebaceous adenomas. Raizada RM, et al. **J Laryngol Otol** 1986 Dec;100(12):1413–6

Sebaceous carcinoma of the parotid gland: report of a case and review of the literature. Granström G, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):731–3

Sebaceous adenoma of the oral mucosa. Orlian AI, et al. **J Oral Med** 1987 Jan–Mar;42(1):38–9

[Secondary proliferations of sebaceous nevus] Linse R, et al. **Dermatol Monatsschr** 1987;173(3):153–7 (Eng. Abstr.) **(Ger)**

[Sebaceous gland carcinoma of the anocrural area. Case report and a review of the literature] Vetter J, et al. **Dermatol Monatsschr** 1987;173(3):146–52 (Eng. Abstr.) **(Ger)**

[Adenoma seboparum sive sebaceum—a histologic diagnosis] Vranes M, et al. **Z Hautkr** 1986 Nov 15;61(22):1622–4 (Eng. Abstr.) **(Ger)**

[A case of extraorbital sebaceous carcinoma] Endo S, et al. **Gan No Rinsho** 1987 Aug;33(9):1072–8 (Eng. Abstr.) **(Jpn)**

[Combination of apocrine duct squamous cell carcinoma, basal cell epithelioma and sebaceous cell differentiation] Kishimoto S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr; 97(5):537–44 **(Jpn)**

[Sebaceous elements in the salivary glands. Apropos of a case of sebaceous carcinoma of the submaxillary gland] Seijas Rosales T, et al. **An Otorrinolaringol Ibero Am** 1986; 13(6):575–83 (Eng. Abstr.) **(Spa)**

SECONDARY

[Torre–Muir syndrome. Sebaceous gland tumors indicate colon carcinoma and other internal malignant tumors] Karsten U, et al. **Dtsch Med Wochenschr** 1987 Aug 21; 112(34):1296–301 (Eng. Abstr.) **(Ger)**

SURGERY

Recurrent and residual sebaceous carcinoma after Mohs' excision of the primary lesion. Folberg R, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):817–23

ULTRASTRUCTURE

Sebaceous adenocarcinoma of meibomian gland origin with targetoid intra-nuclear inclusions. Goldstein J, et al. **J Surg Oncol** 1987 Jun;35(2):124–8

SEBACEOUS GLANDS

Fluorescence from pilosebaceous follicles. Johnsson A, et al. **Arch Dermatol Res** 1987;279(3):190–3

CYTOLOGY

Morphogenetic processes in cultured cells from integumentary glands of deer sambar (Cervus unicolor Kerr). Sokolov VE, et al. **Acta Biol Hung** 1985; 36(3–4):225–32

The site of action of the asebia locus (ab) in the skin of the mouse. Pennycuik PR, et al. **Genet Res** 1986 Dec; 48(3):179–85

DRUG EFFECTS

Effect of androgenic and anabolic steroids on the sebaceous gland in power athletes. Király CL, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):36–40

Ultrastructural changes in the uropygial gland of the male Japanese quail, Coturnix coturnix, after testosterone treatment. Comparison with the sebaceous gland of the male rat. Abalain JH, et al. **Cell Tissue Res** 1986; 246(2):373–8

Testosterone regulation of androgen receptor levels in the uropygial gland of quails (Coturnix coturnix): a further proof for the androgen dependency of the uropygial gland. Amet Y, et al. **Gen Comp Endocrinol** 1986 May;62(2):210–6

Influence of progesterone on the activity of sebaceous gland in rat. Pal P, et al. **Indian J Dermatol** 1985 Oct;30(4):11–9

ENZYMOLOGY

Alteration in the histochemical profile of steroid dehydrogenases in the uropygial gland of male domestic pigeons following androgen deprivation and testosterone supplement. Dasgupta P, et al. **Basic Appl Histochem** 1987; 31(1):53–61

Biosynthesis of D-glucaric acid in mammals: a free-radical mechanism? Marsh CA. **Carbohydr Res** 1986 Sep 15; 153(1):119–31

Identification, properties and effect of hormones on rat preputial gland peroxidase. De PK, et al. **J Endocrinol** 1987 Feb;112(2):239–45

Cyclic AMP-dependent stimulation of Na,K-ATPase in shark rectal gland. Marver D, et al. **J Membr Biol** 1986; 94(3):205–15

GROWTH & DEVELOPMENT

Developmental pattern of the expression of malonyl-CoA decarboxylase gene and the production of unique lipids in the goose uropygial glands. Kolattukudy PE, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):446–54

METABOLISM

Biosynthesis of 3-hydroxy fatty acids, the pheromone components of female mallard ducks, by cell-free preparations from the uropygial gland. Kolattukudy PE, et al. **Arch Biochem Biophys** 1987 Jan;252(1):121–9

Hamster costovertebral organ lipogenesis in vitro and in vivo: effects of cerulenin. Bedord CJ, et al. **Arch Dermatol Res** 1986;278(6):486–90

Lithium in marine elasmobranchs as a natural marker of rectal gland contribution in sodium balance. Fleishman DG, et al. **Comp Biochem Physiol [A]** 1986;84(4):643–8

Sex-independent synthesis of alpha 2u-globulin and its messenger ribonucleic acid in the rat preputial gland: biochemical and immunocytochemical analyses. Murty CV, et al. **Endocrinology** 1987 Sep;121(3):1000–5

Characterization of muscarinic cholinergic receptors in cat tracheal gland cells. Culp DJ, et al. **J Appl Physiol** 1986 Oct;61(4):1375–82

Concanavalin A and Lens culinaris agglutinin binding patterns in normal and neoplastic sebaceous epithelium. Von Kuster L, et al. **J Cutan Pathol** 1986 Aug;13(4):274–84

Output of triglyceride from the sebaceous gland and to the skin surface of cattle. McMaster JD, et al. **Res Vet Sci** 1986 Sep;41(2):242–6

PATHOLOGY

Kerosis and comedos without prominent elastosis in Favre-Racouchot disease. Hassounah A, et al. **Am J Dermatopathol** 1987 Feb;9(1):15–7

Giant senile sebaceous hyperplasia. Czarnecki DB, et al. **Arch Dermatol** 1986 Oct;122(10):1101

Nevus sebaceus syndrome associated with intracranial arteriovenous malformation. Kang WH, et al. **Int J Dermatol** 1987 Jul–Aug;26(6):382–4

A tumor with sebaceous differentiation showing intraepidermal epithelioma. Aso M, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):137–40

[Diffuse (presenile) hyperplasia of the sebaceous glands, a new entity? Successful treatment with 13-cis-retinoic acid] Kaufmann R, et al. **Hautarzt** 1987 Jan;38(1):31–5 (Eng. Abstr.) **(Ger)**

[Immunoglobulin A in the sebaceous glands. Light and electron microscopy immunomorphologic detection] Gebhart W, et al. **Wien Klin Wochenschr** 1986 Oct 24; 98(20):683–9 (Eng. Abstr.) **(Ger)**

[Combination of apocrine duct squamous cell carcinoma, basal cell epithelioma and sebaceous cell differentiation] Kishimoto S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr; 97(5):537–44 **(Jpn)**

PHYSIOLOGY

Dilutional effect of increased sebaceous gland activity on the proportion of linoleic acid in sebaceous wax esters and in epidermal acylceramides. Stewart ME, et al. **J Invest Dermatol** 1986 Dec;87(6):733–6

[Measurement of sebaceous excretion in man] Verschoore M, et al. **Ann Dermatol Venereol** 1986;113(6–7):609–13 **(Fre)**

PHYSIOPATHOLOGY

The skin in Parkinson's disease. Flint A. **Primary Care** 1977 Sep;4(3):475–80

SECRETION

Atrial natriuretic peptide stimulates salt secretion by shark rectal gland by releasing VIP. Silva P, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):F99–103

Follicule to follicule heterogeneity of sebum excretion. Piérard GE. **Dermatologica** 1986;173(2):61–5

Skin peptides in Xenopus laevis: morphological requirements for precursor processing in developing and regenerating granular skin glands. Flucher BE, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2299–309

SURGERY

Q-tip cryosurgery for the treatment of senile sebaceous hyperplasia. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Jul;13(7):729–30

ULTRASTRUCTURE

A time course study of the proliferation of sebaceous glands induced by topically applied tetradecane in rabbit pinna skin: autoradiography and electron microscopy. Motoyoshi K, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):9–14

SEBORRHEA

CHEMICALLY INDUCED

Erythema with features of seborrheic dermatitis and lupus erythematosus associated with systemic 5-fluorouracil. Dudley K, et al. **Cutis** 1987 Jan;39(1):64–6

CLASSIFICATION

Seborrhoeic eczema—a disease entity or a clinical variant of atopic eczema? Podmore P, et al. **Br J Dermatol** 1986 Sep;115(3):341–50

COMPLICATIONS

Seborrhoea in acne-prone and acne-free patients. Piérard GE, et al. **Dermatologica** 1987;175(1):5–9

[The Leser-Trélat sign associated with carcinoma of the cervix uteri. Report of a case and review of the literature] Kuhl IC, et al. **Med Cutan Ibero Lat Am** 1986;14(4):251–4 (Eng. Abstr.) **(Por)**

[Seborrheic dermatitis in HTLV-III/LAV infection] Pintó Sala X, et al. **Med Clin (Barc)** 1987 Jan 24;88(3):114–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The sign of Leser–Trélat. Holdiness MR. **Int J Dermatol** 1986 Nov;25(9):564–72 (67 ref.)

[Dandruff—an atopic sign?] Lindmaier A, et al. **Hautarzt** 1987 Mar;38(3):138–41 (Eng. Abstr.) **(Ger)**

[Leser–Trélat sign in adenocarcinoma of the sigmoid colon—a rare clinical picture] Hodak E, et al. **Z Hautkr** 1987 Jun 1;62(11):875–6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of seborrhoeic dermatitis with ketoconazole: I. Response of seborrhoeic dermatitis of the scalp to topical ketoconazole. Carr MM, et al. **Br J Dermatol** 1987 Feb; 116(2):213–6

Treatment of seborrhoeic dermatitis with ketoconazole: II. Response of seborrhoeic dermatitis of the face, scalp and trunk to topical ketoconazole. Green CA, et al.

Br J Dermatol 1987 Feb;116(2):217–21
Pityrosporum, ketoconazole, and seborrheic dermatitis [letter] Wishner AJ, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):140–1
[Clinical experience with Diane-35, currently the lowest dose antiandrogenic hormonal ovulation inhibitor, in mild to moderative androgenization in the female] Kaiser E. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):738–42 (Eng. Abstr.) **(Ger)**
[How do I treat seborrheic eczema?] Klostermann GF. **Z Hautkr** 1986 Nov 1;61(21):1561–3 (Eng. Abstr.) **(Ger)**
[Therapeutic activity of a betamethasone dipropionate and salicylic acid combination in dermatology] La Rocca E, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct; 121(5):LXVII–LXIX (Eng. Abstr.) **(Ita)**
[Clinical evaluation of the efficacy of a topical preparation containing pyridoxine and cystine in seborrheic dermatitis and in seborrheic condition of the face] Melli MC, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):LI–LIII (Eng. Abstr.) **(Ita)**
[Importance of cleansing in the therapy of dermatitis seborrheica] Occella C, et al. **Minerva Pediatr** 1987 Apr 15;39(7):295–8 (Eng. Abstr.) **(Ita)**
[A new and original therapy for seborrheic dermatitis] Olivi O, et al. **Pediatr Med Chir** 1986 May–Jun;8(3):407–9 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Postangiomatous seborrheic keratoses [letter] Beranek JT. **Int J Dermatol** 1986 Dec;25(10):668
A case of Leser–Trélat sign [letter] Holdiness MR. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):147–8
Partial deficiency of biotinidase activity [letter] Oizumi J, et al. **J Pediatr** 1987 May;110(5):818–9
Ketoconazole, leukotrienes, Paf-acether and nicotine as a hapten: the possible aetiology of seborrhoeic dermatitis. Sudan BJ. **Med Hypotheses** 1987 May;23(1):33–8
The skin in Parkinson's disease. Flint A. **Primary Care** 1977 Sep;4(3):475–80
[Is juvenile seborrheic dermatitis a candidiasis? Studies of a possible link with microbial infections] Oranje AP, et al. **Tijdschr Kindergeneeskd** 1987 Jul;55(3):87–92 (Eng. Abstr.) **(Dut)**

METABOLISM

Effect of percutaneous absorption of hydrocortisone on adrenocortical responsiveness in infants with severe skin disease. Turpeinen M, et al. **Br J Dermatol** 1986 Oct; 115(4):475–84

PATHOLOGY

Melanosome macrocomplex: an ultrastructural component of patterned and nonpatterned seborrheic keratoses. Shelley WB, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):124–8
An acantholytic variant of seborrheic keratosis. Uchiyama N, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):222–5
Stereological study of desmosomes in basal cell carcinoma and seborrheic keratosis. Luzi P, et al. **J Submicrosc Cytol** 1987 Apr;19(2):337–43
Seborrheic keratoses of penis. Friedman SJ, et al. **Urology** 1987 Feb;29(2):204–6
[Acanthosis nigricans maligna and Leser–Trélat sign in double malignancy of the breast and stomach] Stieler W, et al. **Z Hautkr** 1987 Mar 1;62(5):344–66 (Eng. Abstr.) **(Ger)**

VETERINARY

Epidermal cell renewal in seborrheic skin of dogs. Baker BB, et al. **Am J Vet Res** 1987 Apr;48(4):726–8
Characterization of lichenoid–psoriasiform dermatosis of springer spaniels. Mason KV, et al. **J Am Vet Med Assoc** 1986 Oct 15;189(8):897–901

SEBUM

ANALYSIS

The effect of oral zinc administration on sebum free fatty acids in acne vulgaris. Rebello T, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):305–10
Skin surface lipids of the mole Scalopus aquaticus. Downing DT, et al. **Comp Biochem Physiol [B]** 1987;86(4):667–70
Follicule to follicule heterogeneity of sebum excretion. Piérard GE. **Dermatologica** 1986;173(2):61–5
[Fat–fluid level in a dermoid cyst] Skaane P, et al. **Tidsskr Nor Laegeforen** 1986 Sep 30;106(27):2243–4 (Eng. Abstr.) **(Nor)**

DRUG EFFECTS

Effect of ketoconazole on sebum excretion rate. Norris JF, et al. **Arch Dermatol** 1987 Mar;123(3):301

SECRETION

Effect of cyproterone acetate–ethinyl estradiol treatment on the proportions of linoleic and sebaleic acids in various skin surface lipid classes. Stewart ME, et al. **Arch Dermatol Res** 1986;278(6):481–5
[Hormonal aspects of acne] Verschoore M. **Ann Dermatol Venereol** 1987;114(3):439–54 (137 ref.) **(Fre)**
[Measurement of sebaceous excretion in man] Verschoore M, et al. **Ann Dermatol Venereol** 1986;113(6–7):609–13 **(Fre)**

SECLAZONE see under **OXAZINES**

SECOBARBITAL

PHARMACODYNAMICS

Study of pursuit and vestibulo-ocular cancellation. Mai M, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):589–91
Behavioral effects of the isomers of pentobarbital and secobarbital in mice and rats. Wenger GR. **Pharmacol Biochem Behav** 1986 Aug;25(2):375–80
The discriminative stimulus properties of barbiturate stereoisomers. Wessinger WD, et al. **Psychopharmacology (Berlin)** 1987;92(3):334–9

SECOND OPINION see **REFERRAL AND CONSULTATION**

SECOSTEROIDS

METABOLISM

Pseudomonas mutant strains that accumulate androstane and seco-androstane intermediates from bile acids. Leppik RA, et al. **Biochem J** 1987 Apr 1;243(1):15–21

PHARMACODYNAMICS

Mechanism-based inactivation of 17 beta,20 alpha-hydroxysteroid dehydrogenase by an acetylenic secoestradiol. Auchus RJ, et al. **Biochemistry** 1986 Nov 18;25(23):7295–300

SECRETIN

A 1H-NMR study of the solution conformation of secretin. Resonance assignment and secondary structure. Gronenborn AM, et al. **FEBS Lett** 1987 May 4;215(1):88–94
[Structure-functional organization of the secretin molecule. I. Theoretical conformation analysis of the His1–Arg18 fragment] Agaeva GA, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):164–73 (Eng. Abstr.) **(Rus)**
[Structure-functional organization of the secretin molecule. II. Direct conformation problem] Akhmedov NA, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):174–81 (Eng. Abstr.) **(Rus)**
[Structure-functional organization of the secretin molecule. III. Reverse conformation problem] Popov EM, et al. **Mol Biol (Mosk)** 1987 Jan–Feb;21(1):182–8 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Glucagon antagonists. Synthesis and inhibitory properties of Asp3-containing glucagon analogs. Andreu D, et al. **Eur J Biochem** 1987 May 4;164(3):585–90

ANALYSIS

Brain/gut peptides in fed and fasted rats. Zheng B, et al. **Endocrinology** 1987 Feb;120(2):714–7

BLOOD

Plasma gastrin and secretin changes after esophagectomy. Sudo T, et al. **Am J Gastroenterol** 1986 Oct;81(10):963–7
The relationship of secretin and somatostatin levels in plasma to glucose administration and acid secretion during fasting. Thuesen B, et al. **Am J Gastroenterol** 1987 Aug;82(8):723–6
Plasma gastrin and secretin in neonates. Nakai T, et al. **Asia Oceania J Obstet Gynaecol** 1987 Mar;13(1):87–91
Concentrations of secretin and CCK in plasma and pancreatico–biliary secretion in response to intraduodenal acid and fat. Schaffalitzky de Muckadell OB, et al. **Pancreas** 1986;1(6):536–43
Experimental studies on the influence of simultaneous ligation of the bile and pancreatic ducts upon gastric acid secretion and gut hormones. Sasaki I, et al. **Tohoku J Exp Med** 1986 Sep;150(1):91–9
[Diurnal profile of portal plasma secretin and gastrin] Tanaka Y, et al. **Nippon Geka Hokan** 1987 Jan 1;56(1):62–8 (Eng. Abstr.) **(Jpn)**
[Changes in plasma secretin and gastrin levels in experimental obstructive jaundice] Tanaka Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2529–37 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Usefulness of selective arterial secretin injection test for localization of gastrinoma in the Zollinger–Ellison syndrome. Imamura M, et al. **Ann Surg** 1987 Mar; 205(3):230–9
Secretin provocation in normal and duodenal ulcer subjects. Is the gastrin rise in Zollinger–Ellison syndrome paradoxic or exaggeration? Brady CE 3d, et al. **Dig Dis Sci** 1987 Mar;32(3):232–8
Sensitivity, specificity and predictive values of the secretin infusion test in the diagnosis of gastrinoma. Poynard T, et al. **Gastroenterol Clin Biol** 1986 Jun–Jul;10(6–7):492–6
Positive intravenous secretin test in patients with achlorhydria–related hypergastrinemia. Feldman M, et al. **Gastroenterology** 1987 Jul;93(1):59–62
Normal values of the secretin–pancreozymin tests in children and adolescents. Barra E, et al. **Mater Med Pol** 1986 Apr–Jun;18(2):79–82
Sex, age, and the pancreas. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1986 Jun;53(6):452–61
Ultrasonic monitoring of Wirsung duct following secretin in controls and in chronic pancreatitis patients. Masoero G, et al. **Pancreas** 1987;2(3):344–9
Secretin and calcium infusion tests [letter] Weltman MD, et al. **S Afr Med J** 1987 Jul 4;72(1):85
[Changes in the serum pancreas enzyme following i.v. stimulation with secretin in subjects with a normal pancreas] Münch R, et al. **Schweiz Med Wochenschr** 1987 May 16;117(20):756–60 (Eng. Abstr.) **(Ger)**
[The fluorescein dilaurate serum test following metoclopramide and secretin stimulation for evaluating pancreatic function. Contribution to the diagnosis of chronic pancreatitis] Malfertheiner P, et al. **Z Gastroenterol** 1987 Apr;25(4):225–32 (Eng. Abstr.) **(Ger)**
[Selective arterial secretin injection test for localization of functioning gastrinomas] Imamura M. **Nippon Geka Hokan** 1986 May 1;55(3):379–80 **(Jpn)**
[Comparative study of the secretin test and pancreozymin secretin test in chronic pancreatitis] Suzuki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct;83(10):2209–15 (Eng. Abstr.) **(Jpn)**
[Analysis of serum pancreatic enzyme provocative test in the pancreozymin–secretin test] Ohe I, et al. **Rinsho Byori** 1986 Jul;34(7):823–7 **(Jpn)**

ISOLATION & PURIFICATION

Dog secretin: sequence and biologic activity. Shinomura Y, et al. **Life Sci** 1987 Sep 7;41(10):1243–8

METABOLISM

[D-Phe4]peptide histidine–isoleucinamide ([D-Phe4]PHI), a highly selective vasoactive–intestinal–peptide (VIP) agonist, discriminates VIP–preferring from secretin–preferring receptors in rat pancreatic membranes. Robberecht P, et al. **Eur J Biochem** 1987 Jun 1;165(2):243–9
Comparison of pancreatic exocrine secretion via endogenous secretin by intestinal infusion of hydrochloric acid and monocarboxylic acid in anesthetized piglets. Harada E, et al. **Jpn J Physiol** 1986;36(5):843–56
Secretin receptors in the rat kidney: adenylate cyclase activation and renal effects. Charlton CG, et al. **Peptides** 1986 Sep–Oct;7(5):865–71
Receptors for vasoactive intestinal peptide and secretin on guinea pig pancreatic acini. Zhou ZC, et al. **Peptides** 1987 Jul–Aug;8(4):633–7

PHARMACODYNAMICS

Secretin potentiates cholinergically induced glucagon secretion in the mouse. Ahrén B, et al. **Acta Physiol Scand** 1986 Dec;128(4):575–8
The effect of secretin on the glucose-induced insulin release from isolated pancreatic islets in mice. Florholmen J, et al. **Acta Physiol Scand** 1987 Jun;130(2):237–41
Rapid increases in inositol 1,4,5-trisphosphate, inositol 1,3,4,5-tetrakisphosphate and cytosolic free Ca2+ in agonist-stimulated pancreatic acini of the rat. Effect of carbachol, caerulein and secretin. Trimble ER, et al. **Biochem J** 1987 Feb 15;242(1):289–92
Secretin induces rapid increases in inositol trisphosphate, cytosolic Ca2+ and diacylglycerol as well as cyclic AMP in rat pancreatic acini. Trimble ER, et al. **Biochem J** 1986 Oct 15;239(2):257–61
Mechanical factors regulating gastric emptying examined by the effects of exogenous cholecystokinin and secretin on canine gastroduodenal motility. Keinke O, et al. **Can J Physiol Pharmacol** 1987 Mar;65(3):287–92
Influence of cholecystokinin, vasoactive intestinal peptide and secretin on plasma concentration of avian pancreatic polypeptide in laying hens. Duke GE, et al. **Comp Biochem Physiol [A]** 1986;85(2):347–50
The influence of cholecystokinin, vasoactive intestinal peptide and secretin on pancreatic and biliary secretion in laying hens. Duke GE, et al. **Comp Biochem Physiol [C]** 1987;86(1):97–102
Effect of secretin and caerulein on the absorption of water, electrolytes and glucose from the jejunum of dogs. Hirose S, et al. **Digestion** 1986;35(4):205–10
Effects of cholecystokinin, food intake and cephalic stimuli on plasma levels of amylase, lipase, and immunoreactive cationic trypsinogen in rats. Tsukamoto H, et al. **Digestion** 1986;35(2):69–77
Stimulation of human pancreatic polypeptide and gastrin by Boots and GIH secretin: in vitro and in vivo studies. Meryn S, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jan; 25(1):1–6
The effect of secretin on bile flow and bile acid and bilirubin excretion following relief of prolonged bile duct obstruction in the rat. Kountouras J, et al. **J Hepatol** 1987 Apr;4(2):198–205
Secretin infusion in acute ischemic left ventricular failure: effects on myocardial performance and metabolism in a closed-chest dog model. Gunnes P, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):915–8

Participation of Ca2+ and calmodulin in rat pancreatic enzyme secretion induced by secretin, forskolin, and dibutyryl cyclic AMP. Shinozaki H, et al. **Jpn J Physiol** 1986;36(6):1079–92

Neuropeptides and leukotriene release: effect of peptide histidine isoleucine and secretin in platelet activating factor–stimulated rat lung. Di Marzo V, et al. **Neuropeptides** 1987 Jan;9(1):51–8

A new round in the discussion on the action of secretin on pancreatic protein secretion: a further study on the effect of secretin on pancreatic secretion in dogs. Feurle GE, et al. **Pancreas** 1987;2(4):422–6

Alteration of secretin–stimulated cardiac adenylate cyclase activity in rats with portacaval shunt. De Fontaine S, et al. **Peptides** 1986 Jul–Aug;7(4):645–9

Secretin stimulates cyclic AMP and inositol trisphosphate production in rat pancreatic acinar tissue by two fully independent mechanisms. Trimble ER, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3146–50

Secretin N–terminal hexapeptide potentiates insulin release in mouse islets. Kofod H. **Regul Pept** 1986 Oct;15(3):229–37

The effect of secretin on acid and pepsin secretion and gastrin release in the totally isolated vascularly perfused rat stomach. Sandvik AK, et al. **Regul Pept** 1987 Mar; 17(3):143–9

The effect of secretin stimulation on duodenogastric reflux. Demetriades D. **S Afr Med J** 1987 Apr 18;71(8):517–8

Distribution of the increased cardiac output secondary to the vasodilating and inotropic effects of secretin. Gunnes P, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):383–8

Effect of secretin on gastrin release from gastrinoma cells in vitro. Elkhammas EA, et al. **Surgery** 1986 Dec; 100(6):948–53

[Effects of TRH and secretin on serum output of immunoreactive trypsin: evidence of a direct inhibitory mechanism] Fiorucci S, et al. **Recenti Prog Med** 1987 Feb; 78(2):49–52 (Eng. Abstr.) **(Ita)**

[Effect of secretin and vasoactive intestinal polypeptide on mucosal defensive factors in cysteamine–induced duodenal ulcer] Johno N. **Nippon Geka Hokan** 1986 Jul 1; 55(4):533–44 (Eng. Abstr.) **(Jpn)**

[Effect of secretin, pancreozymin and caerulein on the jejunal absorption of water, electrolytes and glucose in dogs] Hirose S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jul;83(7):1304–10 (Eng. Abstr.) **(Jpn)**

[Calcium secretion "in vivo" by mouse exocrine pancreas. Relationship with enzymatic output] Calvo EL, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(1):13–8 (Eng. Abstr.) **(Spa)**

[Study of exocrine pancreas function stimulated by secretin and CCK (cholecystokinin) in the dog] Calpena Rico R, et al. **Rev Esp Enferm Apar Dig** 1987 May;71(5):411–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Secretin is an enterogastrone in humans. You CH, et al. **Dig Dis Sci** 1987 May;32(5):466–71

Additive interaction of pentagastrin and secretin on pancreatic growth in rats. Solomon TE, et al. **Gastroenterology** 1987 Feb;92(2):429–35

Effects of secretin antibody on gastric acid inhibition and pancreatic bicarbonate stimulation by acidified liver extract meal in dogs. Konturek SJ, et al. **Hepatogastroenterology** 1986 Aug;33(4):170–5

Lipase synthesis in the rat pancreas is regulated by secretin. Rausch U, et al. **Pancreas** 1986;1(6):522–8

SECRETION

Studies on the localization of secretin release from canine intestine. Konturek SJ, et al. **Digestion** 1986;34(3):207–15

Effect of licorice extract (Fm100) on release of secretin and exocrine pancreatic secretion in humans. Shiratori K, et al. **Pancreas** 1986;1(6):483–7

Release of secretin by licorice extract in dogs. Watanabe SI, et al. **Pancreas** 1986;1(5):449–54

Bile–stimulated secretin release in cats. Hanssen LE, et al. **Scand J Gastroenterol** 1986 Sep;21(7):886–90

THERAPEUTIC USE

Treatment of duodenal ulcer with secretin: a speculative proposal. Grossman MI. **Gastroenterology** 1966 Jun; 50(6):912–3

The treatment of chronic recurrent pancreatitis with depot secretin—a preliminary report. Tympner F, et al. **Hepatogastroenterology** 1986 Aug;33(4):159–62

TOXICITY

Pancreatic carcinogenesis: effect of secretin in the hamster–nitrosamine model. Howatson AG, et al. **JNCI** 1987 Jan; 78(1):101–5

SECRETORY COMPONENT see under **IMMUNOGLOBULIN FRAGMENTS**

SECRETORY GRANULES see **CYTOPLASMIC GRANULES**

SECRETORY IGA see **IGA, SECRETORY**

SECRETORY PHASE see **MENSTRUAL CYCLE**

SECURITY MEASURES

Privacy, confidentiality, and security of computerized systems. The nursing responsibility. Romano CA. **Comput Nurs** 1987 May–Jun;5(3):99–104

Data security in medical computer systems. White R. **Dermatol Clin** 1986 Oct;4(4):657–63

Weapon screening [letter] **Hosp Community Psychiatry** 1987 Feb;38(2):203

A model for understanding and managing cycles of aggression among psychiatric inpatients. Maier GJ, et al. **Hosp Community Psychiatry** 1987 May;38(5):520–4

Doors and windows in veterinary security. Clifford DH, et al. **J Am Vet Med Assoc** 1987 Feb 1;190(3):266–76

A scheme for usage integrity. Fenna D. **Methods Inf Med** 1987 Apr;26(2):69–72

Taking a second look at security systems in the dental office. Kramer S. **NY State Dent J** 1986 Aug–Sep;52(7):36–7

[10 years of a doorkeeper system using patients in geriatric psychiatry in Hochweitzschen—a variation of the open–door system for problem areas in inpatient psychiatry] Ende W. **Psychiatr Neurol Med Psychol (Leipz)** 1987 May; 39(5):291–6 (Eng. Abstr.) **(Ger)**

[The open door at a psychiatric admission unit] Modestin J, et al. **Psychiatr Prax** 1987 Mar;14(2):40–5 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

[Risk of suicide in the psychiatric clinic in relation to compulsory security guarantees and freedom as adjunct to therapy] Helle J. **Psychiatr Prax** 1986 Nov;13(6):226–30 (Eng. Abstr.) **(Ger)**

SEDATIVES see **HYPNOTICS AND SEDATIVES**

SEDATIVES, NONBARBITURATE

Sedation and analgesia with Domosedan (detomidine hydrochloride) in horses: dose response studies on efficacy and its duration. Jöchle W, et al. **Acta Vet Scand [Suppl]** 1986;82:69–84

The hypnotic effects of an antihistamine: promethazine. Adam K, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):715–7

[Sedation with chloral hydrate in pediatric hospital practice] Cominetti M, et al. **Pathologica** 1985 Nov–Dec; 77(1052):647–50 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Cardiac effects of atropine premedication in horses sedated with detomidine. Alitalo I, et al. **Acta Vet Scand [Suppl]** 1986;82:131–6

PHARMACODYNAMICS

The effect of sedatives on lung function in horses. Reitemeyer H, et al. **Acta Vet Scand [Suppl]** 1986;82:111–20

Clinical evaluation of R 51163, a new sedative in cattle. Degryse AD, et al. **J Vet Pharmacol Ther** 1986 Dec; 9(4):376–84

THERAPEUTIC USE

Clinical experiences with Domosedan in horses and cattle. A review. Alitalo I. **Acta Vet Scand [Suppl]** 1986;82:193–6

Analgesic and sedative effects of detomidine compared to xylazine in a colic model using i.v. and i.m. routes of administration. Lowe JE, et al. **Acta Vet Scand [Suppl]** 1986;82:85–95

Clinical experience with Domosedan in equine practice in newmarket. Ricketts SW. **Acta Vet Scand [Suppl]** 1986; 82:197–201

Sedative and analgesic action of detomidine in horses as evaluated from evoked potentials. Stenberg D, et al. **Acta Vet Scand [Suppl]** 1986;82:97–109

Propofol infusion for sedation in the intensive care unit: preliminary report. Grounds RM, et al. **Br Med J** 1987 Feb 14;294(6569):397–400

TOXICITY

[Influences of acetagastrodin on fetuses of mice and rats] Xiong JM, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan; 8(1):57–9 (Eng. Abstr.) **(Chi)**

SEEDS

see related
NUTS

The effect of pumpkin seeds on oxalcrystalluria and urinary compositions of children in hyperendemic area. Suphakarn VS, et al. **Am J Clin Nutr** 1987 Jan;45(1):115–21

Trypsin and chymotrypsin inhibitor of Vigna unguiculata seeds—involvement of tyrosyls in its interaction with proteases. Martin CO, et al. **An Acad Bras Cienc** 1986 Jun; 58(2):297–302

Amino acid composition of some Amaranthus sp. grain proteins and of its fractions. Correa AD, et al. **Arch Latinoam Nutr** 1986 Sep;36(3):466–76

Effect of heat treatment and milling on the seed, flour, rheology and baking quality of some amaranth ecotypes. Sánchez–Marroquín A, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):603–19

Milling procedures and air classification of amaranth flours. Sánchez–Marroquín A, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):620–30

Alfalfa seeds lower low density lipoprotein cholesterol and apolipoprotein B concentrations in patients with type II hyperlipoproteinemia. Mölgaard J, et al. **Atherosclerosis** 1987 May;65(1–2):173–9

Concentrations of morphine and codeine in serum and urine after ingestion of poppy seeds. Hayes LW, et al. **Clin Chem** 1987 Jun;33(6):806–8

Chemistry and technology of green gram (Vigna radiata [L.] Wilczek). Adsule RN, et al. **CRC Crit Rev Food Sci Nutr** 1986;25(1):73–105 (202 ref.)

Effect of water coagulation by seeds of Moringa oleifera on bacterial concentrations. Madsen M, et al. **J Trop Med Hyg** 1987 Jun;90(3):101–9

Retained grass seed in the eye or "where not to sow your wild oats".Campbell JK. **Nebr Med J** 1987 Mar;72(3):86–7

[Plum pits in the terminal ileum] Lücker C, et al. **Rontgenblatter** 1987 Jun;40(6):191–2 (Eng. Abstr.) **(Ger)**

[Hypocholesterolemic action of oils from the seeds of new selection varieties of winter rape and winter cress in trials on rats] Garbuzov AG, et al. **Vopr Pitan** 1986 Jul–Aug; (4):46–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Characterization of the seed and leaf lipids of high and low linolenic acid flax genotypes. Tonnet ML, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):646–54

A steryl glycoside fraction from Momordica charantia seeds with an inhibitory action on lipid metabolism in vitro. Ng TB, et al. **Biochem Cell Biol** 1986 Aug;64(8):766–71

Crystal and molecular structure of the serine proteinase inhibitor CI–2 from barley seeds. McPhalen CA, et al. **Biochemistry** 1987 Jan 13;26(1):261–9

Purification and characterization of a toxin inhibiting protein synthesis from Croton mongue, a Madagascar Euphorbiaceae. Ralison C, et al. **Biochimie** 1986 Oct–Nov; 68(10–11):1225–30

The continuous autofluorescent hydrophobic barrier in dormant Melilotus alba seeds. Riggio Bevilacqua L, et al. **Boll Soc Ital Biol Sper** 1986 Jul 30;62(7):837–43

Opiates in poppy seed: effect on urinalysis results after consumption of poppy seed cake–filling. Pettitt BC Jr, et al. **Clin Chem** 1987 Jul;33(7):1251–2

A study on the heterogeneity of histone H1 from dry maize embryos. Ivanchenko M, et al. **Eur J Biochem** 1987 Jan 15;162(2):339–44

Fructose 2,6–bisphosphate in germinating oat seeds. A biochemical study of seed dormancy. Larondelle Y, et al. **Eur J Biochem** 1987 Aug 3;166(3):605–10

The reactive sites of proteinase inhibitors from Erythrina seeds. Joubert FJ, et al. **Int J Biochem** 1987;19(7):601–6

Excretion of codeine and morphine following ingestion of poppy seeds. Struempler RE. **J Anal Toxicol** 1987 May–Jun;11(3):97–9

Detection of morphine and codeine following consumption of poppy seeds [letter] Zebelman AM, et al. **J Anal Toxicol** 1987 May–Jun;11(3):131–2

Structure of a sugar chain of a protease inhibitor isolated from barbados pride (Caesalpinia pulcherrima Sw.) seeds. Hase S, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):1–10

Preliminary X–ray diffraction analysis of crystalline lectins from the seeds and leaves of Sophora japonica. McPherson A, et al. **J Biol Chem** 1987 Feb 5;262(4):1791–4

Isolation and characterization of an N–acetylgalactosamine specific lectin from Salvia sclarea seeds. Piller V, et al. **J Biol Chem** 1986 Oct 25;261(30):14069–75

The major protein from lipid bodies of maize. Characterization and structure based on cDNA cloning. Vance VB. et al. **J Biol Chem** 1987 Aug 15;262(23):11275–9

Nutritional quality of the seeds of the African breadfruit (Treculia africana, Decne). Nwokolo E. **J Clin Pharm Ther** 1987 Feb;12(1):39–47

Mucilage in seeds of Plantago ovata and its wild allies. Sharma PK, et al. **J Ethnopharmacol** 1986 Sep;17(3):289–95

Simple method of isolation of the major storage protein of bean seed (Phaseolus vulgaris) and its characterization. Dukiandjiev SV. **Nahrung** 1987;31(3):239–46

On the acceptability of the two–state model of protein unfolding to the 11 S globulins from plant seeds. Schwenke KD, et al. **Nahrung** 1987;31(2):183–4

Interaction of an embryo DNA binding protein with a soybean lectin gene upstream region. Jofuku KD, et al. **Nature** 1987 Aug 20–26;328(6132):734–7

The nucleotide sequence of a valine accepting tRNA from Lupinus luteus (lupin) seeds. Barciszewska M, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1333

[Active protein constituents from the kernel of Prunus persica] Fang XD. **Chung Yao Tung Pao** 1986 Nov; 11(11):37–9 **(Chi)**

[Medicinal tusharen in Sichuan Leshan district II. GC/MS analysis of its essential oil] Jia MR. **Chung Yao Tung Pao** 1987 Feb;12(2):36–40 **(Chi)**

[Quantitative determination of betulinic acid in Zizyphus vulgaris by TLC–colorimetry] Li SY. **Chung Yao Tung Pao** 1986 Nov;11(11):43–5 **(Chi)**

[Alkaloids from the seeds of Sarcopharyngia crassa (Benth.) Boiteau et Allorge] Batchily F, et al. **Ann Pharm Fr** 1986; 44(6):449–54 (Eng. Abstr.) **(Fre)**

[Assay of caffeine, theobromine, catechin and epicatechin by high performance liquid chromatography in an extract

of fresh stabilized cola seeds] Maillard C, et al. **Ann Pharm Fr** 1986;44(6):495–500 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Fixing and staining pine seeds after seed coat removal. MacGown MW, et al. **Stain Technol** 1987 May;62(3):203–5

DRUG EFFECTS

[Kinetin and the germinating capacity of Lupinus multilupa seeds] Morales C, et al. **Rev Esp Fisiol** 1987 Mar;43(1):87–93 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Cationic form of beta–galactosidase in the germinating seeds of Vigna sinensis (Linn) Savi. Biswas TK. **Arch Biochem Biophys** 1986 Nov 15;251(1):379–84

Isolation and characterization of multiple forms of prunasin hydrolase from black cherry (Prunus serotina Ehrh.) seeds. Kuroki GW, et al. **Arch Biochem Biophys** 1987 May 15; 255(1):19–26

Single–strand–specific nuclease of pea seeds: glycoprotein nature and associated nucleotidase activity. Naseem I, et al. **Arch Biochem Biophys** 1987 Jun;255(2):437–45

Purification and characterization of mandelonitrile lyase from Prunus lyonii. Xu LL, et al. **Arch Biochem Biophys** 1986 Nov 1;250(2):322–8

Mercaptoethanol assists in cleaving a cysteine/cystine–free protein into its subunits. Einhoff W, et al. **Biol Chem Hoppe Seyler** 1987 Apr;368(4):405–7

1–Acyl–sn–glycerol–3–phosphate acyltransferase in maturing safflower seeds and its contribution to the non–random fatty acid distribution of triacylglycerol. Ichihara K, et al. **Eur J Biochem** 1987 Sep 1;167(2):339–47

Purification and characterization of heme–containing low–activity form of catalase from greening pumpkin cotyledons. Yamaguchi J, et al. **Eur J Biochem** 1986 Sep 1;159(2):315–22

Occurrence of cyclic AMP and related enzymes during germination of Pinus pinea seeds. Martelli P, et al. **Ital J Biochem** 1987 May–Jun;36(3):188–93

Inactivation of pea seed glutamine synthetase by the toxin, tabtoxinine–beta–lactam. Langston–Unkefer PJ, et al. **J Biol Chem** 1987 Feb 5;262(4):1608–13

GENETICS

Functional analysis of regulatory elements in a plant embryo–specific gene. Chen ZL, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8560–4

IMMUNOLOGY

Sunflower oil is not allergenic to sunflower seed–sensitive patients. Halsey AB, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):408–10

METABOLISM

The anesthetic nitrous oxide affects dioxygen utilization by bovine heart and bean seed mitochondrial particles. Sowa S, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):643–8

Biosynthesis of gamma–linolenic acid in cotyledons and microsomal preparations of the developing seeds of common borage (Borago officinalis). Stymne S, et al. **Biochem J** 1986 Dec 1;240(2):385–93

Concentrations of lead, cadmium, mercury and other elements in seeds of Lupinus mutabilis and of other legumes. Gross R, et al. **J Environ Pathol Toxicol Oncol** 1987 Jan–Feb;7(3):59–65

[Biochemical and nutritional studies of germinated soybean seeds] Jiménez MJ, et al. **Arch Latinoam Nutr** 1985 Sep; 35(3):480–90 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

The occurrence of Aspergillus flavus in vegetative tissue of cotton plants and its relation to seed infection. Klich MA, et al. **Mycopathologia** 1986 Sep;95(3):171–4

RADIATION EFFECTS

Factors controlling the hormesis response in irradiated seed. Sheppard SC, et al. **Health Phys** 1987 May;52(5):599–605

Post–irradiation modification of oxygen–dependent and independent damage by catalase in barley seeds. Sah NK, et al. **Int J Radiat Biol** 1987 Apr;51(4):665–72

ULTRASTRUCTURE

Ultrastructural localization of glycinin and beta–conglycinin in Glycine max (soybean) cv. Maple Arrow by the immunogold method. Horisberger M, et al. **Histochemistry** 1986;85(4):291–4

Three–dimensional electron microscopy of the internal nucleolus–associated chromatin and of the nucleolar vacuoles during early germination of Sinapis alba. Deltour R, et al. **J Cell Sci** 1986 Jun;82:53–71

SEGMENTATION STAGE, OVUM see **CLEAVAGE STAGE, OVUM**

SEIZURES

Seizure–free drivers [letter] Forester D. **Ann Emerg Med** 1986 Nov;15(11):1378

The effect of exogenous GM1 ganglioside on kindled–amygdaloid seizures. Albertson TE, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):261–4

BLOOD

Transient impairment of renal function and myoglobin turnover after generalised seizures [letter] Nielsen HV, et al. **Lancet** 1987 Jul 11;2(8550):104–5

CHEMICALLY INDUCED

Effect of chronic bupivacaine infusion on seizure threshold to bupivacaine. Skeie B, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):423–5

Limbic seizures induced by systemically applied kainic acid: how much kainic acid reaches the brain? Berger ML, et al. **Adv Exp Med Biol** 1986;203:199–209

Long term sequelae of parenteral administration of kainic acid. Nitecka L, et al. **Adv Exp Med Biol** 1986;203:147–55

Extravasated protein as a cause of limbic seizure–induced brain damage: an evaluation using kainic acid. Ruth RE. **Adv Exp Med Biol** 1986;203:211–21

Hoigne's syndrome: relevance of anomalous dominance and prostaglandins [letter] Backon J. **Am J Dis Child** 1986 Nov; 140(11):1091–2

Tonic–clonic activity after sufentanil [letter] Brian JE Jr, et al. **Anesth Analg** 1987 May;66(5):481

Seizures after anesthesia: identifying the causes [letter] Frost EA. **Anesth Analg** 1987 Oct;66(10):1053–4

Another case of probable seizure after sufentanil [letter] Rosman EJ, et al. **Anesth Analg** 1987 Sep;66(9):922

Effect on the seizure threshold in dogs of tocainide/lidocaine administration. Schuster MR, et al. **Ann Emerg Med** 1987 Jul;16(7):749–51

Occasional seizures that can follow retrobulbar anesthesia with bupivacaine 0.75% [letter] Mathers WD. **Ann Ophthalmol** 1987 Mar;19(3):91

Lindane neurotoxic reaction in nonbullous congenital ichthyosiform erythroderma. Friedman SJ. **Arch Dermatol** 1987 Aug;123(8):1056–8

Encephalopathy in chronic renal failure responsive to deferoxamine therapy. Another manifestation of aluminum neurotoxicity. Sprague SM, et al. **Arch Intern Med** 1986 Oct;146(10):2063–4

Differential effects of gamma–hexachlorocyclohexane (lindane) on pharmacologically–induced seizures. Fishman BE, et al. **Arch Toxicol** 1987 Apr;59(6):397–401

Effects of carbon dioxide on onsets of seizures in mice induced by antagonists of vitamin B6. Matsuda M, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):2040–2

Changes in seizure susceptibility in rats following chronic administration of pentylenetetrazol. Schmidt J. **Biomed Biochim Acta** 1987;46(4):267–70

Olfactory bulbectomy protects against pilocarpine–induced motor limbic seizures in rats. Millan MH, et al. **Brain Res** 1986 Nov 19;398(1):204–6

Mechanism of aminopyridine–induced ictal seizure activity in the cat neocortex. Szente M, et al. **Brain Res** 1987 Jun 16;413(2):368–73

Seizures after intraurethral instillation of lidocaine. Sundaram MB. **Can Med Assoc J** 1987 Aug 1;137(3):219–20

Seizure–like activity associated with imipenem–cilastatin [letter] Tse CS, et al. **Drug Intell Clin Pharm** 1987 Jul–Aug; 21(7–8):659–60

Seizures induced or aggravated by anticonvulsants. Lerman P. **Epilepsia** 1986 Nov–Dec;27(6):706–10

Effect of systemic estrogen on seizure susceptibility in the immature animal. Schultz–Krohn WA, et al. **Epilepsia** 1986 Sep–Oct;27(5):538–41

Noradrenergic mechanisms in gamma–hydroxybutyrate–induced seizure activity. Snead OC 3d. **Eur J Pharmacol** 1987 Apr 7;136(1):103–8

Norepinephrine modulates seizures induced by quinolinic acid in rats: selective and distinct roles of alpha–adrenoceptor subtypes. Wu HQ, et al. **Eur J Pharmacol** 1987 Jun 26;138(3):309–18

Dietary pyridoxine and the susceptibility to limbic motor seizures in rats. Ruth RE, et al. **Exp Neurol** 1986 Nov; 94(2):441–8

Seizures with neuroleptics and antidepressants. Markowitz JC, et al. **Gen Hosp Psychiatry** 1987 Mar;9(2):135–41 (64 ref.)

Limiting toxicities during intensified remission induction chemotherapy for childhood acute lymphocytic leukemia. Rivera GK, et al. **Hematol Bluttransfus** 1987;30:156–60

Convulsive activity of alpha–guanidinoglutaric acid and the possible involvement of 5–hydroxytryptamine in the alpha–guanidinoglutaric acid–induced seizure mechanism. Shiraga H, et al. **J Neurochem** 1986 Dec;47(6):1832–6

Genetic analysis of nicotine–induced seizures and hippocampal nicotinic receptors in the mouse. Miner LL, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):853–60

Correlation between the enhancement of flunitrazepam binding by GABA and seizure susceptibility in mice. Marley RJ, et al. **Life Sci** 1987 Jun 8;40(23):2215–24

Ontogeny of susceptibility to the convulsant, Ro 5–4864, and its relationship to audiogenic seizure susceptibility in inbred mice. Seale TW, et al. **Life Sci** 1987 Mar 30;40(13):1267–76

Sulfolane effects on audiogenic, pentylenetetrazol and afterdischarge seizure activity. Burdette LJ, et al. **Neurobehav Toxicol Teratol** 1986 Nov–Dec;8(6):621–6

Effects of hexachlorocyclohexane isomers on the acquisition of kindled seizures. Stark LG, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct;8(5):487–91

Increased brain levels of cholecystokinin octapeptide after kainic acid–induced seizures in the rat. Meyer DK, et al. **Neurosci Lett** 1986 Aug 29;69(2):208–11

Epileptiform activity in combined slices of the hippocampus, subiculum and entorhinal cortex during perfusion with low magnesium medium. Walther H, et al. **Neurosci Lett** 1986 Aug 29;69(2):156–61

Comparative seizure inducing properties of various cholinesterase inhibitors: antagonism by diazepam and midazolam. Domino EF. **Neurotoxicology** 1987 Spring; 8(1):113–22

Propylene glycol: increased incidence of seizures in low birth weight infants. MacDonald MG, et al. **Pediatrics** 1987 Apr; 79(4):622–5

Effects of delta opioid antagonists on enkephalin–induced seizures. Haffmans J, et al. **Pharmacology** 1987;34(2–3):61–5

Seizures in drug–treated animals [letter] Miczek KA, et al. **Science** 1987 Mar 6;235(4793):1127–8

The metabolism of aluminum and aluminum–related encephalopathy. Mayor GH, et al. **Semin Nephrol** 1986 Dec;6(4 Suppl 1):1–4 (41 ref.)

Percutaneous organophosphate poisoning. Halle A, et al. **South Med J** 1987 Sep;80(9):1179–81

Brain changes on computed tomography following metrizamide myelography. Significance and therapeutic implications. Centeno RS, et al. **Spine** 1986 Jul–Aug; 11(6):509–12

The effects of lindane, DDT, and chlordecone on avoidance responding and seizure activity. Tilson HA, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):57–65

Neurotoxic effects of methylcyclopentadienyl manganese tricarbonyl (MMT) in the mouse: basis of MMT–induced seizure activity. Fishman BE, et al. **Toxicology** 1987 Aug; 45(2):193–201

Seizures and transient cognitive deterioration as sequelae of acute lithium intoxication. el–Mallakh RS, et al. **Vet Hum Toxicol** 1987 Apr;29(2):143–5

[Clonazepam–induced tonic seizure] Iwakawa Y, et al. **No To Hattatsu** 1986 Sep;18(5):347–353 (Eng. Abstr.) **(Jpn)**

[Clinical course and CT findings in patients with contrast media–associated seizures] Onda K, et al. **No To Shinkei** 1987 Apr;39(4):331–7 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Role of intensive monitoring in classification. Dreifuss FE. **Adv Neurol** 1987;46:13–26

The value of prolonged electroencephalographic and video monitoring in diagnosis of seizure disorders. Willmer JP, et al. **Can J Neurol Sci** 1986 Nov;13(4):327–30

An overview of pediatric seizure disorders and epileptic syndromes. Tharp BR. **Epilepsia** 1987;28 Suppl 1:S36–45 (64 ref.)

COMPLICATIONS

Natural history of fever following seizure. Wachtel TJ, et al. **Arch Intern Med** 1987 Jun;147(6):1153–5

Seizure–associated pulmonary edema and cerebral oxygenation in the rat. Kreisman NR, et al. **J Appl Physiol** 1987 Feb;62(2):658–67

Kinetics of drug action in disease states. XVIII. Effect of experimental renal failure on the pharmacodynamics of theophylline–induced seizures in rats. Ramzan IM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):584–8

Fracture–dislocation of manubriosternal joint: an unusual complication of seizures [published erratum appears in J Trauma 1987 Mar;27(3):329] Dastgeer GM, et al. **J Trauma** 1987 Jan;27(1):91–3

Role of early edema in the development of regional seizure–related brain damage. Nelson SR, et al. **Neurochem Res** 1987 Jun;12(6):561–4

Monoclonal paraproteinemia with subacute encephalopathy, seizures, and scleromyxedema. Reid TL, et al. **Neurology** 1987 Jun;37(6):1054–7

DIAGNOSIS

Intensive neurodiagnostic monitoring. **Adv Neurol** 1987; 46:1–309

Intensive monitoring of psychogenic seizures, aggression, and dyscontrol syndromes. Ramani V. **Adv Neurol** 1987; 46:203–17

Antenatal diagnosis of fetal seizure activity with use of real–time ultrasound. Conover WB, et al. **Am J Obstet Gynecol** 1986 Oct;155(4):846–7

Diagnosing neonatal seizures [letter] Duchowny MS, et al. **Ann Neurol** 1987 Jul;22(1):97

Magnetic resonance imaging, electroencephalogram, and selected neuropsychological testing in staged corpus callosotomy. Gates JR, et al. **Arch Neurol** 1986 Nov; 43(11):1188–91

Neonatal seizures: problems in diagnosis and classification. Mizrahi EM. **Epilepsia** 1987;28 Suppl 1:S46–55 (65 ref.)

A proposal for the description of neonatal seizures [letter] Coulter DL. **J Child Neurol** 1986 Jan;1(1):79

Intensive neurodiagnostic monitoring: role in the treatment

of seizures. Gumnit RJ. **Neurology** 1986 Oct;36(10):1340–6
The results of checking a scoring system for neonatal seizures. Ellison PH, et al. **Neuropediatrics** 1986 Aug;17(3):152–7
Psychogenic seizures. Lesser RP. **Psychosomatics** 1986 Dec; 27(12):823–9
The ambulatory electro-encephalogram as a diagnostic tool in a children's hospital. Batho KM, et al. **S Afr Med J** 1986 Sep 27;70(7):428–30
Difficulty in clinical identification of neonatal seizures: an EEG monitor study. Fenichel GM. **Yale J Biol Med** 1987 Mar–Apr;60(2):139–42
[Seizure or tetany?] Bruyn RP, et al. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1249–51 **(Dut)**
[A case of startle disease with atypical clinical features] Shirasaka Y, et al. **No To Hattatsu** 1987 May;19(3):229–33 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Seizures and death in a young woman [letter] Lutschg JH. **Am J Med** 1987 Jul;83(1):193–5
Single-dose oral phenytoin loading. Osborn HH, et al. **Ann Emerg Med** 1987 Apr;16(4):407–12
Intraosseous diazepam suppression of pentylenetetrazol-induced epileptogenic activity in pigs. Spivey WH, et al. **Ann Emerg Med** 1987 Feb;16(2):156–9
Should people be treated after a first seizure? Hauser WA. **Arch Neurol** 1986 Dec;43(12):1287–8
Laypeople's attitudes toward drug treatment for behavioral control depend on which disorder and which drug. Summers JA, et al. **Clin Pediatr (Phila)** 1987 May; 26(5):258–63
Is carbamazepine an alternative maintenance therapy for neonatal seizures? MacKintosh DA, et al. **Dev Pharmacol Ther** 1987;10(2):100–6
Benzodiazepine sensitivity testing in the management of intractable seizure disorders in childhood. Livingston JH, et al. **Electroencephalogr Clin Neurophysiol** 1987 Sep; 67(3):197–203
Correlation between effects of acute acetazolamide administration to mice on electroshock seizure threshold and maximal electroshock seizure pattern, and on carbonic anhydrase activity in subcellular fractions of brain. Anderson RE, et al. **Epilepsia** 1986 Sep–Oct;27(5):504–9
A clinical approach to the child with seizures and epilepsy. Freeman JM. **Epilepsia** 1987;28 Suppl 1:S103–9
Clonazepam pharmacokinetics and therapeutic efficacy in neonatal seizures. André M, et al. **Eur J Clin Pharmacol** 1986;30(5):585–9
Anticonvulsant O-alkyl sulfamates. 2,3:4,5-Bis-O-(1-methylethylidene)-beta-D-fructopyranose sulfamate and related compounds. Maryanoff BE, et al. **J Med Chem** 1987 May;30(5):880–7
Efficacy of baclofen and phenobarbital against the kainic acid limbic seizure-brain damage syndrome. Ault B, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):612–7
Increased seizure frequency with generic primidone. Wyllie E, et al. **JAMA** 1987 Sep 4;258(9):1216–7
Generic versus branded carbamazepine [letter] Sachdeo RC, et al. **Lancet** 1987 Jun 20;1(8547):1432
The effects of drugs and habituation upon the audiogenic seizures in rats. Voiculescu V, et al. **Neurol Psychiatr (Bucur)** 1987 Apr–Jun;25(2):65–8
Lorazepam in childhood status epilepticus and serial seizures: effectiveness and tachyphylaxis. Crawford TO, et al. **Neurology** 1987 Feb;37(2):190–5
A controlled study of progabide in partial seizures: methodology and results. Leppik IE, et al. **Neurology** 1987 Jun;37(6):963–8
Comparison of anticonvulsant effect of pentobarbital and phenobarbital against seizures induced by maximal electroshock and picrotoxin in rats. Mehta AK, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1059–65

ENZYMOLOGY

Hippocampal glutamate decarboxylase activity is not altered in gerbils with high seizure susceptibility. Löscher W. **Biochem Pharmacol** 1987 Mar 15;36(6):979–82
Induction of ornithine decarboxylase as a possible mediator of seizure-elicited changes in genomic expression in rat hippocampus. Baudry M, et al. **J Neurosci** 1986 Dec; 6(12):3430–5

ETIOLOGY

"Scared to death" [letter]Case ME. **Am J Forensic Med Pathol** 1986 Sep;7(3):267–8
Neonatal seizures after cesarean delivery: higher risk with labor. Spellacy WN, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):377–9
Truncal seizures: an unusual presentation of cerebral cysticercosis. Rosenthal RE, et al. **Ann Emerg Med** 1986 Nov;15(11):1360–2
Abdominal pain and seizures in a young man [clinical conference] Werman HA, et al. **Ann Emerg Med** 1987 Apr; 16(4):425–33
EEG and clinical changes in patients with chronic seizures associated with slowly growing brain tumors. Hughes JR, et al. **Arch Neurol** 1987 May;44(5):540–3
Seizures secondary to autonomic dysreflexia. Yarkony GM, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):834–5
Antecedents and outcome of very early neonatal seizures in infants born at or after term. Minchom P, et al. **Br J Obstet Gynaecol** 1987 May;94(5):431–9
Prevention of cysteamine-induced myoclonus blocks the long-term inhibition of kindled seizures. Cottrell GA, et al. **Brain Res** 1987 May 26;412(1):161–4
Unexplained seizure in anorexia nervosa. Roberts A, et al. **Can J Psychiatry** 1986 Oct;31(7):653–5
Electrically induced seizures (ECT). Milstein V, et al. **Compr Ther** 1986 Oct;12(10):68–72
The substantia nigra is an important site for the containment of seizure generalization in the kindling model of epilepsy. Morimoto K, et al. **Epilepsia** 1987 Jan–Feb;28(1):1–10
Failure of ACTH to alter transfer kindling in the immature brain. Thompson J, et al. **Epilepsia** 1987 Jan–Feb;28(1):17–9
Seizures: common causes and treatment in the elderly. Mahler ME. **Geriatrics** 1987 Jul;42(7):73–8
Recurrent seizures in a 'well-controlled' child. Callanan DL, et al. **Hosp Pract [Off]** 1986 Sep 30;21(9A):36, 40, 43
Febrile seizures: controversies and current concepts. Anandam R. **Indian Pediatr** 1986 Nov;23(11):899–903
Shaken baby syndrome. Ocular and computed tomographic findings. Spaide RF. **J Clin Neuro Ophthalmol** 1987 Jun; 7(2):108–11
Method of lesioning brainstem determines seizure probability. Silver JM, et al. **J Neurosci Methods** 1986 Sep;17(4):303–10
Intractable seizures in Legionnaires disease. Peliowski A, et al. **J Pediatr** 1986 Oct;109(4):657–8
Sensitivity and tolerance to ethanol in mice bred to be genetically prone or resistant to ethanol withdrawal seizures. Crabbe JC, et al. **J Pharmacol Exp Ther** 1986 Nov; 239(2):327–33
Immunizations, seizures, and subsequent evaluation [letter] Barkin RM, et al. **JAMA** 1987 Jul 10;258(2):201
Mild peripheral neuropathy but biochemical chromium sufficiency during 16 months of "chromium-free" total parenteral nutrition. Kien CL, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):662–4
The possible involvement of free radicals in seizure mechanism. Hiramatsu M, et al. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):349–52
Can Doppler ultrasound predict outcome of post-asphyxial encephalopathy? [letter] Pairaudeau PW, et al. **Lancet** 1987 Jan 3;1(8523):49–50
Factors prognostic of unprovoked seizures after febrile convulsions. Annegers JF, et al. **N Engl J Med** 1987 Feb 26;316(9):493–8
Hyponatremia and seizures presenting in the first two years of life. Corneli HM, et al. **Pediatr Emerg Care** 1985 Dec; 1(4):190–3
Paroxysmal tonic seizures in demyelinating disease. Tan CT, et al. **Singapore Med J** 1986 Jun;27(3):256–8
Seizures and hypothermia due to dietary water intoxication in infants. Medani CR. **South Med J** 1987 Apr;80(4):421–5
The incidence of seizure disorder in children with acquired and congenital hydrocephalus. Stellman GR, et al. **Z Kinderchir** 1986 Dec;41 Suppl 1:38–41
[Paroxysmal manifestations in multiple sclerosis] Kadaňka Z, et al. **Cesk Neurol Neurochir** 1986 Nov;49(6):421–4 (Eng. Abstr.) **(Cze)**
[Visual seizures and benign epilepsy in children with paroxysmal occipital discharges] Gallet S, et al. **Pediatrie** 1986 Jul–Aug;41(5):383–91 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Genetic influence on increased seizure susceptibility in pregnancy. Smolen A, et al. **Life Sci** 1986 Oct 27; 39(17):1525–30
[Spectral analysis of the EEG of the healthy rat and the rat genetically predisposed to seizure susceptibility] Medvedov AV. **Neirofiziologiia** 1987;19(2):171–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Intrathecal immunoglobulin production and minor motor seizures. Benson M, et al. **Acta Paediatr Scand** 1987 Jan; 76(1):147–50

METABOLISM

Cerebral phosphoinositide, triacylglycerol and energy metabolism during sustained seizures induced by bicuculline. Yoshida S, et al. **Brain Res** 1987 May 26; 412(1):114–24
Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. McCandless DW, et al. **Epilepsia** 1987 Mar–Apr;28(2):184–9
Effect of seizures on brain phenobarbital concentration in newborn piglets. Monin P, et al. **Epilepsia** 1987 Mar–Apr; 28(2):179–83
Metabolic anatomy of generalized bicuculline seizures in the newborn marmoset monkey. Dwyer BE, et al. **Exp Neurol** 1986 Oct;94(1):213–27
Unchanged norepinephrine turnover and concentrations in amygdala-kindled rat brain regions 2 months postseizure. Okazaki MM, et al. **Exp Neurol** 1986 Oct;94(1):81–90
Genetic differences in the effects of delta-aminolevulinic acid on seizure latency in mice. Wehner JM, et al. **Exp Neurol** 1986 Nov;94(2):280–91
Effect of repeated convulsive seizures on brain gamma-aminobutyric acid metabolism in three sublines of mice differing by their response to acoustic stimulations. Ciesielski L, et al. **J Neurochem** 1987 Jul;49(1):220–6
Concomitant increases in the levels of choline and free fatty acids in rat brain: evidence supporting the seizure-induced hydrolysis of phosphatidylcholine. Flynn CJ, et al. **J Neurochem** 1987 Apr;48(4):1178–84
Changes in extracellular amino acids during soman- and kainic acid-induced seizures. Wade JV, et al. **J Neurochem** 1987 Aug;49(2):645–50
Evidence for somatostatin-containing fibers projecting from the pallidal complex to the striatum of the rat. Widmann R, et al. **J Neurochem** 1987 Jun;48(6):1857–61
Nonsynaptic epileptogenesis in the mammalian hippocampus in vitro. I. Development of seizurelike activity in low extracellular calcium. Konnerth A, et al. **J Neurophysiol** 1986 Aug;56(2):409–23
Changes in local cerebral glucose utilization induced by the beta-carbolines FG 7142 and DMCM reveal brain structures involved in the control of anxiety and seizure activity. Ableitner A, et al. **J Neurosci** 1987 Apr; 7(4):1047–55
Pattern of labeling of rabbit cerebral cortex soluble proteins 24 hours after a single electroconvulsive shock. Cupello A, et al. **Neurochem Res** 1986 Aug;11(8):1217–25
The effect of hypotension on brain energy state during prolonged neonatal seizure. Cowan BE, et al. **Pediatr Res** 1987 Apr;21(4):357–61
The influence of auditory and lithium stimulation on blood and brain serotonin in the normal rat and in that susceptible to audiogenic convulsions. Uluitu M, et al. **Physiologie** 1986 Jul–Sep;23(3):167–76
Mapping patterns of c-fos expression in the central nervous system after seizure. Morgan JI, et al. **Science** 1987 Jul 10;237(4811):192–7

OCCURRENCE

Should the Mobile Intensive Care Unit respond to pediatric emergencies? Applebaum D, et al. **Clin Pediatr (Phila)** 1986 Dec;25(12):620–3
[Neurologic pathology in the neonatal period: relation to birth weight and gestational age] Paludetto R, et al. **Pediatr Med Chir** 1986 Jul–Aug;8(4):535–9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Electron microscopic study of mossy fiber endings of the hippocampal formation in El mice. Hochi T, et al. **Acta Med Okayama** 1987 Apr;41(2):81–4
Seizures and brain damage: are excitatory amino acids involved? Ben-Ari Y, et al. **Adv Exp Med Biol** 1986; 203:709–11
Kainic acid seizures and neuronal cell death: insights from studies of selective lesions and drugs. Nadler JV, et al. **Adv Exp Med Biol** 1986;203:673–86
Inciting excitotoxic cytocide among central neurons. Olney JW. **Adv Exp Med Biol** 1986;203:631–45
Anomalies of retinal architecture in Aicardi syndrome. Del Pero RA, et al. **Arch Ophthalmol** 1986 Nov;104(11):1659–64
Seizures produced by pilocarpine: neuropathological sequelae and activity of glutamate decarboxylase in the rat forebrain. Turski L, et al. **Brain Res** 1986 Nov 19;398(1):37–48
[Ibotenic acid-induced limbic seizures and neuronal degeneration] Watanabe K, et al. **No To Shinkei** 1987 Jun; 39(6):505–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Acidic excitatory amino acids and seizures: neurochemical interrelationships. Coyle JT, et al. **Adv Exp Med Biol** 1986; 203:385–7
Anti-excitotoxic actions of taurine in the rat hippocampus studied in vivo and in vitro. French ED, et al. **Adv Exp Med Biol** 1986;203:349–62
Pathophysiological aspects of blood-brain barrier permeability in epileptic seizures. Nitsch C, et al. **Adv Exp Med Biol** 1986;203:175–89
On the role of seizure activity and endogenous excitatory amino acids in mediating seizure-associated hippocampal damage. Sloviter RS. **Adv Exp Med Biol** 1986;203:659–71
Activation of a cranial vasodilator pathway during seizures in rats. Faraci FM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):H969–75
Seizure recurrence after a first, unprovoked seizure. Hart RG, et al. **Arch Neurol** 1986 Dec;43(12):1289–90
Effects of naloxone on hippocampal seizure activity. Linseman MA, et al. **Behav Neural Biol** 1987 Jul; 48(1):159–64
Lateralized audiogenic seizure: motor asymmetries exhibited and the effects of interrupted stimulation. Reid HM, et al. **Behav Neural Biol** 1986 Nov;46(3):424–31
Lithium suppresses seizure susceptibility in pentylenetetrazol-kindled rats. Schmidt J. **Biomed Biochim Acta** 1986;45(9):1167–72
Observations on the slowing rhythmicity of phase III of ECT seizures. Staton RD, et al. **Biomed Sci Instrum** 1987; 23:239–49
Acetylcholinesterase activity rises in rat cerebrospinal fluid post-ictally; effect of a substantia nigra lesion on this rise and on seizure threshold. Appleyard ME, et al. **Br J Pharmacol** 1987 May;91(1):149–54
Magnesium-free medium activates seizure-like events in the rat hippocampal slice. Anderson WW, et al. **Brain Res** 1986 Nov 19;398(1):215–9
Peripheral and brainstem auditory function in paroxysmal

(px) White Leghorn chicks. Beck MM, et al. **Brain Res** 1987 Mar 17;406(1-2):93-8

Anterior thalamus and substantia nigra: two distinct structures mediating experimental generalized seizures. Mirski MA, et al. **Brain Res** 1986 Nov 12;397(2):377-80

Anterior thalamic mediation of generalized pentylenetetrazol seizures. Mirski MA, et al. **Brain Res** 1986 Dec 10; 399(2):212-23

Differential sensitivity to bicuculline in three inbred mouse strains. Freund RK, et al. **Brain Res Bull** 1987 May; 18(5):657-62

Pharmacological manipulation of ECT-induced seizure duration. Lerer B, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:453-5

Localization of the origin of self-sustained afterdischarges (SSADs) in the rat: I. The spike-and-wave type of SSAD. Pohl M, et al. **Epilepsia** 1986 Sep-Oct;27(5):516-22

Mobile long-term EEG monitoring in generalized seizure disorders of different etiology. Offenbacher H, et al. **Eur Neurol** 1986;25 Suppl 2:146-53

Interactions of aminophylline and three benzodiazepine compounds with amygdala-kindled seizures in rats. Albertson TE, et al. **Exp Neurol** 1987 Sep;97(3):725-9

Susceptibility to pentylenetetrazol-induced and audiogenic seizures in rats with selective fimbria-fornix lesions and intrahippocampal septal grafts. Cassel JC, et al. **Exp Neurol** 1987 Sep;97(3):564-76

Substantia nigra-mediated anticonvulsant actions: role of nigral output pathways. Garant DS, et al. **Exp Neurol** 1987 Jul;97(1):143-59

The role of interstitial potassium in the generation of low-calcium hippocampal seizures. Nelken I, et al. **Isr J Med Sci** 1987 Jan-Feb;23(1-2):124-31

Prolonged exposure of mice to He-O2 at high pressure: effects on seizure and anesthesia liability. Brauer RW, et al. **J Appl Physiol** 1986 Dec;61(6):2005-11

In vivo studies on intracellular pH, focal flow, and vessel diameter in the cat cerebral cortex: effects of altered CO2 and electrical stimulation. Yaksh TL, et al. **J Cereb Blood Flow Metab** 1987 Jun;7(3):332-41

Quantitative analysis of synaptic potentiation during kindling of the perforant path. Sutula T, et al. **J Neurophysiol** 1986 Sep;56(3):732-46

Activation of substantia nigra neurons: role in the propagation of seizures in kindled rats. Bonhaus DW, et al. **J Neurosci** 1986 Oct;6(10):3024-30

A simple method for quantitative electroencephalographic assessment of drugs with convulsant and anticonvulsant properties. Zaczek R, et al. **J Neurosci Methods** 1986 Dec; 18(4):351-60

Effect of dihydropyridines and diphenylalkylamines on pentylenetetrazol-induced seizures and cerebral blood flow in cats. Ots ME, et al. **J Neurosurg** 1987 Sep;67(3):406-13

Optimizing the pentetrazol infusion test for seizure threshold measurement. Nutt DJ, et al. **J Pharm Pharmacol** 1986 Sep; 38(9):697-8

Evidence for mu opioid receptor mediation of enkephalin-induced electroencephalographic seizures. Tortella FC, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):571-7

Correlation between inositide response and seizure-related substances as well as antiepileptic drugs. Miyamoto K, et al. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):357-60

Role of cyclic AMP and intracellular calcium concentration in seizure activity. Sugaya E. **Jpn J Psychiatry Neurol** 1986 Sep;40(3):353-6

Transient impairment of renal function after generalised seizures [letter] Fraser WD, et al. **Lancet** 1987 Jun 20; 1(8547):1428

Transient impairment of renal function and myoglobin turnover after generalised seizures [letter] Nielsen HV, et al. **Lancet** 1987 Jul 25;2(8552):224-5

Effect of inferior olive lesion on seizure threshold in the rat. Anderson MC, et al. **Life Sci** 1987 Jun 15;40(24):2367-75

Modulation of opioid peptide metabolism by seizures: differentiation of opioid subclasses. McGinty JF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986;71:89-101

Neuropeptides and seizures. Snead OC 3d. **Neurol Clin** 1986 Nov;4(4):863-75 (123 ref.)

Similarity of first seizure and first recurrence in children. Camfield PR, et al. **Neurology** 1987 Aug;37(8):1429

Seizures and phenytoin toxicity [letter] Dasheiff RM, et al. **Neurology** 1986 Oct;36(10):1411

Significance of direction of head turning during seizures [letter] Gloor P, et al. **Neurology** 1987 Jun;37(6):1092

Differential effects of alpha-methyl-p-tyrosine and 6-hydroxydopamine on pentylenetetrazol seizures in mice. Abed WT. **Pharmacol Biochem Behav** 1986 Nov; 25(5):949-52

Coincidence of seizure susceptibility to caffeine and to the benzodiazepine inverse agonist, DMCM, in SWR and CBA inbred mice. Seale TW, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):381-7

DC potentials of the cerebral cortex. Seizure activity and changes in gas pressures. Caspers H, et al. **Rev Physiol Biochem Pharmacol** 1987;106:127-78 (155 ref.)

Neonatal seizures. Levy SR. **Semin Perinatol** 1987 Apr; 11(2):155-70 (73 ref.)

[Electroclinical correlations in afebrile seizures in the 1st year of life] Svatý J, et al. **Cesk Pediatr** 1987 May;42(5):279-83 (Eng. Abstr.) (Cze)

[The antidepressive effects of an epileptic seizure (letter)] Van Sweden B. **Ned Tijdschr Geneeskd** 1987 May 2; 131(18):779-80 (Dut)

[Analysis of the multi-unit activity of the cortex and subcortical structures during paroxysmal discharges and grand mal seizures in the photosensitive baboon] Menini C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Oct;16(3):283-302 (Eng. Abstr.) (Fre)

[Serial changes in evoked potentials in kainic acid (KA)-induced limbic seizures in chronic cats] Tanaka S, et al. **No To Shinkei** 1987 Jun;39(6):565-70 (Eng. Abstr.) (Jpn)

[Characteristics of the hormonal regulation of electrolyte metabolism in rats with different degrees of convulsive readiness] Sergienko NG, et al. **Fiziol Zh** 1987 Jul-Aug; 33(4):104-7 (Eng. Abstr.) (Rus)

[Standardization of the size of the diencephalon in the stereotaxic localization of subcortical structures in man] Velasco F, et al. **Gac Med Mex** 1986 Jul-Aug; 122(7-8):213-21 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Phenytoin plasma levels after intraoperative administration, for the prevention of post-craniotomy seizures. Tsolaki M, et al. **Acta Neurochir (Wien)** 1987;84(1-2):36-8

Study on the anticonvulsant activity of clonidine against pentylenetetrazol-induced seizures in rats: pharmacological evidence of alpha 2-adrenoceptors mediation. Scotti de Carolis A, et al. **Arch Int Pharmacodyn Ther** 1986 Aug; 282(2):209-18

Inhibition of electrically induced seizures by a dihydropyridine calcium channel blocker. Meyer FB, et al. **Brain Res** 1986 Oct 1;384(1):180-3

Audiogenic seizures during ethanol withdrawal can be blocked by a delta opioid agonist. Kotlińska J, et al. **Drug Alcohol Depend** 1986 Dec;18(4):361-7

Suppression of methionine sulfoximine seizures by intranigral gamma-vinyl GABA injection. Toussi HR, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):261-4

Interruption of the connections of the mammillary bodies protects against generalized pentylenetetrazol seizures in guinea pigs. Mirski MA, et al. **J Neurosci** 1987 Mar; 7(3):662-70

Anticonvulsant drugs effective against human temporal lobe epilepsy prevent seizures but not neurotoxicity induced in rats by quinolinic acid: electroencephalographic, behavioral and histological assessments. Vezzani A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):256-63

Suppression of pentylenetetrazol-induced seizures by hydralazine associated with 5-hydroxytryptaminergic system in rat brain. Hara S, et al. **Jpn J Pharmacol** 1987 Apr;43(4):361-8

Phenytoin infusion in severe pre-eclampsia. Slater RM, et al. **Lancet** 1987 Jun 20;1(8547):1417-21

THERAPY

[Effects of etorphine and electro-acupuncture on electroconvulsive shock in rats] He XP, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):106-9 (Eng. Abstr.) (Chi)

VETERINARY

Toxic hepatopathy and intrahepatic cholestasis associated with phenytoin administration in combination with other anticonvulsant drugs in three dogs. Bunch SE, et al. **J Am Vet Med Assoc** 1987 Jan 15;190(2):194-8

Use of pentobarbital sodium to reduce seizures in dogs after cervical myelography with metrizamide. Gray PR, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1422-4

Influence of anesthetic regimen on the frequency of seizures after cervical myelography in the dog. Gray PR, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):527-30

Dermatitis associated with the use of primidone in a dog. Henricks PM. **J Am Vet Med Assoc** 1987 Jul 15; 191(2):237-8

Seizures in the horse. Mittel L. **Vet Clin North Am [Equine Pract]** 1987 Aug;3(2):323-32

Fits in the Harris hawk [letter] Forbes NA. **Vet Rec** 1987 Mar 14;120(11):264

[Breeding and growth of the inbred strain of seizure-prone Mongolian gerbils (Meriones unguiculatus)] Matsuoka K, et al. **Jikken Dobutsu** 1987 Jan;36(1):83-6 (Eng. Abstr.) (Jpn)

SELECTION (GENETICS)

Identification and selection of cattle naturally resistant to African trypanosomiasis. Roelants GE, et al. **Acta Trop (Basel)** 1987 Mar;44(1):55-66

Genetic selection of mouse lines sensitive (cold) and resistant (hot) to acute ethanol hypothermia. Crabbe JC, et al. **Alcohol Drug Res** 1987;7(3):163-74

Acuity of selective mechanisms operating on ABO, Rh, and MN blood groups. Srikumari CR, et al. **Am J Phys Anthropol** 1987 Jan;72(1):117-21

Selectable mutations altering two mechanisms of mammalian K+ transport are dominant. Gargus JJ. **Am J Physiol** 1987 May;252(5 Pt 1):C515-22

Level of alimentation and line of breeding on oxygen uptake by ovine jejunal mucosa. Rompala RE, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R398-401

From oocyte to embryo: a model, deduced from in vitro fertilization, for natural selection against chromosome abnormalities. Plachot M, et al. **Ann Genet (Paris)** 1987; 30(1):22-32

Birth weight and survival in relation to natural selection. Rajanikumari J, et al. **Anthropol Anz** 1987 Jun;45(2):175-9

Characterization of genes involved with classical conditioning that produce differences between bidirectionally selected strains of the blow fly Phormia regina. McGuire TR, et al. **Behav Genet** 1987 Jan; 17(1):97-107

Changes in the kinetics of follicular growth in response to selection for large litter size in mice. Spearow JL. **Biol Reprod** 1986 Dec;35(5):1175-86

Chemical selection, diversity, teleonomy and the second law of thermodynamics. Reflections on Eigen's theory of self-organization of matter. Lifson S. **Biophys Chem** 1987 May 9;26(2-3):303-11

Modeling of selection processes with age-dependent birth and death rates. Ebeling W, et al. **Biosystems** 1986; 19(3):213-21

Selection for heterosis from crossbred populations: comparison of the F3 and backcross populations. Sheridan AK. **Br Poult Sci** 1986 Dec;27(4):551-9

Selection for heterosis from crossbred populations: estimation of the F1 heterosis and its mode of inheritance. Sheridan AK. **Br Poult Sci** 1986 Dec;27(4):541-50

Inheritance of stress-induced analgesia in mice. Selective breeding study. Panocka I, et al. **Brain Res** 1986 Nov 5; 397(1):152-5

Pesticide resistance mechanisms produced by field selection pressures on Anopheles nigerrimus and A. culicifacies in Sri Lanka. Hemingway J, et al. **Bull WHO** 1986;64(5):753-8

Social selection in human populations: protected polymorphism of deleterious alleles with incomplete penetrance. Yokoyama S. **Genet Epidemiol** 1987;4(3):223-31

The detection of deleterious selection using ancestors inferred from a phylogenetic history. Golding GB. **Genet Res** 1987 Feb;49(1):71-82

Growth, efficiency and body composition of mice selected for post-weaning weight gain on ad libitum or restricted feeding. Hetzel DJ, et al. **Genet Res** 1986 Oct;48(2):101-9

Models of long term artificial selection in finite population. Hill WG, et al. **Genet Res** 1986 Aug;48(1):41-50

Models of long-term artificial selection in finite population with recurrent mutation. Hill WG, et al. **Genet Res** 1986 Oct;48(2):125-31

A test for the role of natural selection in the stabilization of transposable element copy number in a population of Drosophila melanogaster. Montgomery E, et al. **Genet Res** 1987 Feb;49(1):31-41

Changes in genetic parameters under restricted index selection. Mortimer SI, et al. **Genet Res** 1987 Apr; 49(2):129-34

Evolution of selective neutrality: further considerations [letter] Burton RS, et al. **Genetics** 1986 Nov;114(3):1033-9

Natural selection and Y-linked polymorphism. Clark AG. **Genetics** 1987 Mar;115(3):569-77

Genetic divergence under uniform selection. II. Different responses to selection for knockdown resistance to ethanol among Drosophila melanogaster populations and their replicate lines. Cohan FM, et al. **Genetics** 1986 Sep; 114(1):145-64

Multiplicative genotype-environment interaction as a cause of reversed response to directional selection. Gimelfarb A. **Genetics** 1986 Sep;114(1):333-43

Substitution rates under stabilizing selection. Hastings A. **Genetics** 1987 Jul;116(3):479-86

What can be learnt about selection from gene frequency distribution? Mani GS, et al. **Genetics** 1986 Nov; 114(3):971-82

Evolution under fertility and viability selection. Nagylaki T. **Genetics** 1987 Feb;115(2):367-75

The selection limit due to the conflict between truncation and stabilizing selection with mutation. Zeng ZB, et al. **Genetics** 1986 Dec;114(4):1313-28

Directional selection and developmental stability: evidence from fluctuating asymmetry of dental characters in mice. Leamy L. **Heredity (Edinburgh)** 1986 Dec;57 (Pt 3):381-8

Consequences of stabilising selection for polygenic variation. Mather K. **Heredity (Edinburgh)** 1987 Apr;58 (Pt 2):267-77

MNSs genetic polymorphism and intrauterine selection through habitual abortion. Bottini E, et al. **Hum Biol** 1987 Feb;59(1):103-20

Selection opportunities in seven Swedish 19th century populations. Hed HM. **Hum Biol** 1986 Dec;58(6):919-31

Opportunity for selection in the parish of Tuna, Sweden. Hed HM. **Hum Hered** 1987;37(1):30-5

Effects of selection for rapid postweaning gain on maturing patterns of fat depots in mice. Eisen EJ. **J Anim Sci** 1987 Jan;64(1):133-47

Evaluation of phenotypic and genetic trends in weaning weight in Angus and Hereford populations in Virginia. Nadarajah K, et al. **J Anim Sci** 1987 May;64(5):1349-61

Simulation of genetic control of reproduction in beef cows. III. Within-herd breeding value estimation with known breeding dates. Notter DR, et al. **J Anim Sci** 1987 Jul; 65(1):88-98

Health care of Holsteins selected for large or small body size. Mahoney CB, et al. **J Dairy Sci** 1986 Dec; 69(12):3131-9

Impact of selection on components of variance and heritabilities of Canadian Holstein conformation traits. Van

Doormaal BJ, et al. **J Dairy Sci** 1987 Jul;70(7):1452–7

Selection when traits have different genetic and phenotypic variances in different environments. Van Vleck LD. **J Dairy Sci** 1987 Feb;70(2):337–44

Genetic evaluation of dairy goat does for milk and fat as an extension of buck evaluation. Weller JI, et al. **J Dairy Sci** 1987 Mar;70(3):681–6

Lack of response to selection for directional asymmetry in Drosophila melanogaster. Coyne JA. **J Hered** 1987 Mar–Apr;78(2):119

A model of weak selection in the infinite alleles framework. Rothman ED, et al. **J Math Biol** 1986;24(3):353–60

Spectral properties of Eigen evolution matrices. Rumschitzki DS. **J Math Biol** 1987;24(6):667–80

Genetics of Darwinian fitness. III. A generalized approach to age structured selection and life history. Abugov R. **J Theor Biol** 1986 Oct 7;122(3):311–23

Natural selection. It pays to be different [news] Jones JS, et al. **Nature** 1987 Aug 13–19;328(6131):575–6

What maintains the frequencies of human genetic diseases? [news] Rotter JI, et al. **Nature** 1987 Sep 24–30; 329(6137):289–90

Response to divergent selection for early growth of chickens fed a diet deficient in selenium. Cunningham DL, et al. **Poult Sci** 1987 Feb;66(2):209–14

Immunocompetences and Marek's disease resistance in three pairs of chicken lines selected for different immunological characters. Okada I, et al. **Poult Sci** 1987 May;66(5):769–73

Body composition and other physical parameters as determinants of age at sexual maturity and performance efficiency in dwarf hens divergently selected for body weight. Renden JA, et al. **Poult Sci** 1986 Aug;65(8):1429–36

Inbreeding and the balance between selection and mutation. Li CC. **Prog Clin Biol Res** 1986;218:31–44

Mouse lines selected for genetic differences in diazepam sensitivity. Gallaher EJ, et al. **Psychopharmacology (Berlin)** 1987;93(1):25–30

Molecular selection and natural selection. Fox SW. **Q Rev Biol** 1986 Sep;61(3):375–86

Leon Croizat on Charles Darwin (documents). **Riv Biol** 1987; 80(1):135–48 **(Eng, Ita)**

Genetic selection of a Plasmodium–refractory strain of the malaria vector Anopheles gambiae. Collins FH, et al. **Science** 1986 Oct 31;234(4776):607–10

Assortative mating in unwed birth parents, adoptive, and nonadoptive parents. Ho HZ. **Soc Biol** 1986 Spring–Summer;33(1–2):77–86

Selection intensities in menopausal and permanent contraceptor women of a rural population in India. Rajanikumari J, et al. **Soc Biol** 1986 Spring–Summer; 33(1–2):127–30

Natural selection, fitness entropy, and the dynamics of coevolution. Desharnais RA. **Theor Popul Biol** 1986 Dec; 30(3):309–40 (69 ref.)

The role of recombination and selection in the modifier theory of sex–ratio distortion. Lessard S. **Theor Popul Biol** 1987 Apr;31(2):339–58

[Breeding policy and pedigree dog populations] Lieven JT, et al. **Tijdschr Diergeneeskd** 1987 Mar 1;112(5):271–3 (Eng. Abstr.) **(Dut)**

[Milk cell count as a selection criterion in breeding dairy cattle with improved resistance to mastitis] Vecht U, et al. **Tijdschr Diergeneeskd** 1987 May 15;112(10):598–603 (Eng. Abstr.) **(Dut)**

[Polymorphism of restriction fragments, their use and animal selection] Georges M. **Arch Belg** 1986;44(7–8):283–9 **(Fre)**

[Use of antibiotics in selecting Escherichia coli as a producer of penicillin acylase] Kochetkova EF, et al. **Antibiot Med Biotekhnol** 1986 Nov;31(11):825–7 (Eng. Abstr.) **(Rus)**

[Stabilizing selection in neonates for 2 weight–growth traits] Kalabushkin BA, et al. **Genetika** 1987 May;23(5):879–85 (Eng. Abstr.) **(Rus)**

[Neuroendocrine and neurochemical mechanisms of the domestication of animals] Naumenko EV, et al. **Genetika** 1987 Jun;23(6):1011–25 (44 ref.) (Eng. Abstr.) **(Rus)**

[Analysis of hypotheses and simulation of selection for a suppressor affecting the manifestations of the fused gene in mice] Shindialov IN, et al. **Genetika** 1987 Mar; 23(3):568–70 (Eng. Abstr.) **(Rus)**

[Selection–induced modification of the defence reaction to man in the American mink (Mustela vison Schreb.)] Trapezov OV. **Genetika** 1987 Jun;23(6):1120–7 **(Rus)**

[The problem of morphogenesis and integrity in the context of destabilizing selection] Trut LN. **Genetika** 1987 Jun; 23(6):974–87 (75 ref.) **(Rus)**

[Design of a recombinant plasmid allowing the selection of an optimal promotor for the human interferon alpha2 gene] Il'ichev AA, et al. **Mol Gen Mikrobiol Virusol** 1986 Jul; (7):23–6 (Eng. Abstr.) **(Rus)**

[Selection of suppressor–free cells from Escherichia coli Su+ strains] Slavchenko IIu, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):42–5 (Eng. Abstr.) **(Rus)**

[Prezygotic selection in the B blood group locus in cattle] Okhapkin SK, et al. **Tsitol Genet** 1987 May–Jun;21(3):203–6 (Eng. Abstr.) **(Rus)**

[Effect of temperature and non–temperature selection of male parental gametes on the heat resistance of the ciliated epithelium in frog progeny] Vasil'eva VV. **Tsitologiia** 1986 Aug;28(8):882–5 (Eng. Abstr.) **(Rus)**

[Hereditary effects of artificial selection of sperm for the endurance trait in the carp Cyprinus carpio and the frog Rana temporaria] Kokushkina IV, et al. **Zh Evol Biokhim Fiziol** 1987 Jan–Feb;23(1):154–7 (Eng. Abstr.) **(Rus)**

[Transformations of the traits of a population of the influenza type A virus via immunoselection] Skripchenko GS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):97–104 (52 ref.) **(Rus)**

[Adaptive role of biochemical polymorphism of populations] Kirpichnikov VS. **Zh Obshch Biol** 1987 Jan–Feb;48(1):3–14 (58 ref.) (Eng. Abstr.) **(Rus)**

[Selection by structured traits and the direction of evolution] Kreslavskii AG. **Zh Obshch Biol** 1987 Mar–Apr; 48(2):147–55 (Eng. Abstr.) **(Rus)**

[Association selection and progressive evolution] Savchenko VK. **Zh Obshch Biol** 1987 May–Jun;48(3):376–88 (Eng. Abstr.) **(Rus)**

SELEGILINE see under **PHENETHYLAMINES**

SELENIUM

Selenium, vitamin E, fiber, and the incidence of human cancer: an epidemiologic perspective. Willett WC. **Adv Exp Med Biol** 1986;206:27–34

A global view of human selenium nutrition. Levander OA. **Annu Rev Nutr** 1987;7:227–50 (142 ref.)

Permeability behavior of liposomes prepared from fatty acids and fatty acid methyl esters. Bittman R, et al. **Biochim Biophys Acta** 1986 Dec 1;863(1):115–20

Synthesis and biodistribution of [125I]iodo– and [75Se]seleno–ergoline derivatives. Sadek S, et al. **Int J Rad Appl Instrum [A]** 1987;38(5):391–7

Mercury, silver, and gold inhibition of selenium–accelerated cysteine oxidation. Dillard CJ, et al. **J Inorg Biochem** 1986 Sep;28(1):13–20

Simultaneous radio–isotopic study of both fibrinogen and platelets in hepatic schistosomiasis. Tewfik SA, et al. **J Trop Med Hyg** 1987 Jun;90(3):143–7

Selenium–75: a potential source for use in high–activity brachytherapy irradiators. Weeks KJ, et al. **Med Phys** 1986 Sep–Oct;13(5):728–31

The effects of humic acid on the chemical and biological properties of selenium in the environment. Peng A, et al. **Sci Total Environ** 1987 Jun;64(1–2):89–98

ADMINISTRATION & DOSAGE

Selenium supplementation during parenteral and enteral nutrition, short– and long–term effects of two derivatives. Nève J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:166–9

Clinical improvement of congestive heart failure after selenium supplementation in total parenteral nutrition. Sriram K, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:361–4

Barium selenate as a slow–release selenium preparation to pigs. Brun E, et al. **Acta Vet Scand** 1986;27(3):388–96

Essential micronutrients in relation to carcinogenesis. Kromhout D. **Am J Clin Nutr** 1987 May;45(5 Suppl):1361–7

Red blood cell glutathione peroxidase activity as a function of selenium supplementation in dietary treated children with phenylketonuria. Zachara BA, et al. **Biomed Biochim Acta** 1987;46(2–3):S209–13

Selenium in maternal and infant nutrition. Milner JA, et al. **Bol Asoc Med PR** 1986 Sep;78(9):412–4

Effects of combined treatments with selenium, glutathione, and vitamin E on glutathione peroxidase activity, ornithine decarboxylase induction, and complete and multistage carcinogenesis in mouse skin. Perchellet JP, et al. **Cancer Res** 1987 Jan 15;47(2):477–85

Vitamin A and selenium intake in relation to human cancer risk. Willett W. **Int Symp Princess Takamatsu Cancer Res Fund** 1985; 16:237–45 (46 ref.)

Dietary selenium intake of preschool children. Costello HE, et al. **J Am Diet Assoc** 1986 Nov;86(11):1576–7

The effect of selenium supplementation on selenium status of patients receiving chronic total parenteral nutrition. Lane HW, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar–Apr;11(2):177–82

Inhibition of RNA and DNA polymerases by the product of the reaction of selenite with sulfhydryl compounds. Frenkel GD, et al. **Mol Pharmacol** 1987 Jan;31(1):112–6

Changes in eight metals in mouse testis treated with cadmium and/or selenium. Sugawara N, et al. **Sangyo Igaku** 1986 Nov;28(6):474–5

Selenium and weak calf syndrome [letter] Cawley GD. **Vet Rec** 1987 Jan 10;120(2):47

Concentration of some important elements in the liver of young cattle supplemented with selenite enriched feed. Frank A, et al. **Zentralbl Veterinarmed [A]** 1986 Aug; 33(6):422–5

[Status of the neuroendocrine functional system as a criterion for evaluating the biological effect of low doses of internal irradiation] Dedov VI. **Radiobiol Radiother (Berl)** 1986; 27(3):331–9 (Eng. Abstr.) **(Ger)**

[Effect of selenium and vitamin E on morphologic parameters and mucopolysaccharides of the jejunum in experimental trichinosis in mice] Houszka M. **Wiad Parazytol** 1986; 32(3):263–73 (Eng. Abstr.) **(Pol)**

[Course of experimental trichinosis in mice treated with Evetsel] Karmańska K, et al. **Wiad Parazytol** 1986; 32(3):275–86 (Eng. Abstr.) **(Pol)**

[Effect of antioxidants—vitamin E and sodium selenite, alone and in combination—on the anthelmintic activity of chloxyl and liver structure in experimental opisthorchiasis] Mirzoian ZhA, et al. **Med Parazitol (Mosk)** 1987 Mar–Apr; (2):26–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Precise determination of selenium in tissues using automated wet digestion and an automated hydride generator–atomic absorption spectroscopy system. Norheim G, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:610–2

IUPAC interlaboratory trial—selenium determination in human body fluids using hydride–generation atomic absorption spectrometry. Welz B, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:577–80

Selenium and zinc concentration in some edible mushrooms. Zachara BA, et al. **Acta Pharmacol Toxicol (Copenh)** 1986; 59 Suppl 7:627–9

Influence of maternal selenium status on human milk selenium concentration and glutathione peroxidase activity. Mannan S, et al. **Am J Clin Nutr** 1987 Jul;46(1):95–100

Distribution of selenium in human milk. Milner JA, et al. **Am J Clin Nutr** 1987 Mar;45(3):617–24

Preparation of biological tissue for determination of arsenic and selenium by graphite furnace atomic absorption spectrometry. Krynitsky AJ. **Anal Chem** 1987 Jul 15; 59(14):1884–6

Environmental exposure to heavy metals in North Greenland. Hansen JC, et al. **Arctic Med Res** 1986;41:21–34

Blood and liver selenium concentrations in patients with liver diseases. Välimäki M, et al. **Clin Chim Acta** 1987 Jul 15; 166(2–3):171–6

Nickel–[iron–sulfur]–selenium–containing hydrogenases from Desulfovibrio baculatus (DSM 1743). Redox centers and catalytic properties. Teixeira M, et al. **Eur J Biochem** 1987 Aug 17;167(1):47–58

Light and electron microscopical visualization of selenium in adrenal glands from rats exposed to sodium selenite. Thorlacius–Ussing O, et al. **Exp Mol Pathol** 1986 Aug; 45(1):59–67

Selenium in reproductive organs, seminal fluid and serum of men and bulls. Saaranen M, et al. **Hum Reprod** 1986 Feb;1(2):61–4

Selenium levels in nails of premenopausal breast cancer patients assessed prediagnostically in a cohort–nested case–referent study among women screened in the DOM project. van Noord PA, et al. **Int J Epidemiol** 1987 Jun; 16(2):318–22

Selenium content of a core group of foods based on a critical evaluation of published analytical data. Schubert A, et al. **J Am Diet Assoc** 1987 Mar;87(3):285–99

Selenium content of foods purchased or produced in Ohio. Snook JT, et al. **J Am Diet Assoc** 1987 Jun;87(6):744–9

Determination of selenate by single–column ion chromatography. Karlson U, et al. **J Chromatogr** 1986 Oct 10;368(1):153–61

Selenium content and distribution of human, cow and goat milk. Debski B, et al. **J Nutr** 1987 Jun;117(6):1091–7

Effects of dietary selenium on bis(2–oxopropyl)nitrosamine–induced carcinogenesis in Syrian golden hamsters. Birt DF, et al. **JNCI** 1986 Dec; 77(6):1281–6

Total mercury, organic mercury, copper, manganese, selenium, and zinc in Sarda sarda from the Gulf of Genoa. Capelli R, et al. **Sci Total Environ** 1987 May;63:83–99

Selenium in Japanese baby foods. Hojo Y. **Sci Total Environ** 1986 Dec 1;57:151–9

Lead, mercury, cadmium and selenium in two species of gull feeding on inland dumps, and in marine areas. Leonzio C, et al. **Sci Total Environ** 1986 Dec 1;57:121–7

Zinc, cadmium and selenium concentrations in separated epithelium and stroma from prostatic tissues of different histology. Feustel A, et al. **Urol Res** 1987;15(3):161–3

Vitamin E and selenium concentrations in milk and milkfractions. Deschuytere A, et al. **Z Lebensm Unters Forsch** 1987 May;184(5):385–7

[Regional distribution of liver cancer and its relation to selenium levels in Qidong County, China] Li WG, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Jul;8(4):262–4 (Eng. Abstr.) **(Chi)**

[Correlation study of selenium levels in the human body with the occurrence of lung cancer. I. Selenium levels in human lung, hair and blood of patients with lung cancer and controls] Wei HC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan;21(1):3–6 (Eng. Abstr.) **(Chi)**

[Methods of determination of selenium in biological matter] Arnaud J, et al. **Ann Biol Clin (Paris)** 1986;44(5):459–69 (77 ref.) (Eng. Abstr.) **(Fre)**

[Selenium levels in plants in the city of Łódź] Masłowska J, et al. **Rocz Panstw Zakl Hig** 1986;37(5):406–8 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Effects of selenium antagonists on cancer susceptibility: new aspects of chronic heavy metal toxicity. Schrauzer GN. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:208–15 (35 ref.)

BLOOD

Selenium status of nonpregnant, pregnant women and neonates. Alfthan G. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:142–5

Selenium and cardiovascular disease. Huttunen JK. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:311–6

Direct determination of selenium in human serum by graphite furnace atomic absorption spectroscopy. Improvements due to oxygen ashing in graphite tube and Zeeman effect background correction. Nève J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:606–9

Risk of myocardial infarction in relation to serum concentrations of selenium. Ringstad J, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:336–9

Selenium and human cancer. Willett WC, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:240–7

Selenium status, glutathione peroxidase activity and lipid peroxides concentration in blood of multiple sclerosis patients. Zachara BA, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:446–9

Selenium concentrations in blood and serum from patients with mental diseases. Alertsen AR, et al. **Acta Psychiatr Scand** 1986 Aug;74(2):217–9

Subnormal concentrations of serum selenium and plasma carnitine in chronically tube-fed patients. Feller AG, et al. **Am J Clin Nutr** 1987 Feb;45(2):476–83

Serum selenium, vitamin antioxidants, and cardiovascular mortality: a 9-year follow-up study in the Netherlands. Kok FJ, et al. **Am J Clin Nutr** 1987 Feb;45(2):462–8

Formula feeding results in lower selenium status than breast-feeding or selenium supplemented formula feeding: a longitudinal study. Kumpulainen J, et al. **Am J Clin Nutr** 1987 Jan;45(1):49–53

Is serum selenium a risk factor for cancer in men only? [published erratum appears in Am J Epidemiol 1987 Sep;126(3):559] Kok FJ, et al. **Am J Epidemiol** 1987 Jan; 125(1):12–6

Erythrocyte selenium and breast cancer risk. Meyer F, et al. **Am J Epidemiol** 1987 May;125(5):917–9

Diminished blood selenium levels in renal failure patients on dialysis: correlations with nutritional status. Dworkin B, et al. **Am J Med Sci** 1987 Jan;293(1):6–12

Low serum selenium concentration and glutathione peroxidase activity in intrahepatic cholestasis of pregnancy. Kauppila A, et al. **Br Med J [Clin Res]** 1987 Jan 17; 294(6565):150–2

Effects of high dietary sulphur on enzyme activities, selenium concentrations and body weights of cattle. Khan AA, et al. **Can J Vet Res** 1987 Apr;51(2):174–80

Serum selenium and vitamin E concentrations in families of lung cancer patients. Miyamoto H, et al. **Cancer** 1987 Sep 1;60(5):1159–62

Serum selenium and risk of cancer. A prospective follow-up of nine years. Virtamo J, et al. **Cancer** 1987 Jul 15; 60(2):145–8

Significance of low levels of blood and hair selenium in dilated cardiomyopathy. Nan BS, et al. **Chin Med J [Engl]** 1986 Dec;99(12):948–9

Reduced plasma and white blood cell selenium levels in haemodialysis patients. Foote JW, et al. **Clin Chim Acta** 1987 May 15;164(3):323–8

Hematology, blood chemistry and selenium values of captive pronghorn antelope, white-tailed deer and American bison. Clemens ET, et al. **Comp Biochem Physiol [C]** 1987; 87(1):167–70

Depressed seleniam and vitamin E levels in an alcoholic population. Possible relationship to hepatic injury through increased lipid peroxidation. Tanner AR, et al. **Dig Dis Sci** 1986 Dec;31(12):1307–12

Are lens opacities related to plasma selenium and glutathione peroxidase in man? [letter] Akesson B, et al. **Exp Eye Res** 1987 Apr;44(4):595–6

Selenium status and chronic disease mortality: Dutch epidemiological findings. Kok FJ, et al. **Int J Epidemiol** 1987 Jun;16(2):329–32

Selenium in ischaemic heart disease. Salonen JT. **Int J Epidemiol** 1987 Jun;16(2):323–8

Blood selenium concentrations and glutathione peroxidase activities in diary herds with high and low somatic cell counts. Erskine RJ, et al. **J Am Vet Med Assoc** 1987 Jun 1;190(11):1417–21

Interlaboratory study of blood selenium determinations. Koh TS. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):664–7

An electrophoretic analysis of sheep plasma protein labeled with Na2 75SeO3 in vivo. Davidson WB, et al. **J Inorg Biochem** 1987 May;30(1):1–13

Deposition of dietary organic and inorganic selenium in rat erythrocyte proteins. Beilstein MA, et al. **J Nutr** 1986 Sep; 116(9):1701–10

Selenium and cancer: meaning of serum selenium levels. Burk RF. **J Nutr** 1986 Aug;116(8):1584–6

Serum selenium and the risk of cancer, by specific sites: case-control analysis of prospective data. Nomura A, et al. **JNCI** 1987 Jul;79(1):103–8

Low blood selenium levels in patients with cystic fibrosis compared to controls and healthy adults. Dworkin B, et al. **JPEN J Parenter Enteral Nutr** 1987 Jan–Feb;11(1):38–41

Micronutrients and the risk of lung cancer [letter] Kok FJ, et al. **N Engl J Med** 1987 May 28;316(22):1416

Serum beta-carotene, vitamins A and E, selenium, and the risk of lung cancer. Menkes MS, et al. **N Engl J Med** 1986 Nov 13;315(20):1250–4

Plasma selenium levels in renal failure [letter] Diskin CJ. **Nephron** 1986;44(2):155–6

Correlations between mother and child blood selenium concentrations at birth. Deguchi Y, et al. **Nippon Eiseigaku Zasshi** 1986 Jun;41(2):559–62

Selenium in pregnancy: effect of maternal drinking. Halmesmäki E, et al. **Obstet Gynecol** 1986 Nov;68(5):602–5

Plasma-selenium, glutathione peroxidase in erythrocytes and mercury in plasma in patients allegedly subject to oral galvanism. Molin M, et al. **Scand J Dent Res** 1987 Aug; 95(4):328–34

Blood selenium concentrations of sheep and goats from selected areas of Kenya. Mbwiria SK, et al. **Trop Anim Health Prod** 1986 Aug;18(3):159–65

Reduction of liver glutathione peroxidase activity and deficiency of serum selenium in patients with hepatocellular carcinoma. Corrocher R, et al. **Tumori** 1986 Dec 31; 72(6):617–9

Blood vitamin E, selenium and glutathione peroxidase concentrations in heifers fed either on grass or on winter feed. Hakkarainen J, et al. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):508–14

[Serum selenium levels of patients with adenoma and carcinoma of the prostate gland] Tsachev K, et al. **Khirurgiia (Sofiia)** 1987;40(2):33–5 **(Bul)**

[Blood selenium levels in the Czech population] Kalousková J, et al. **Cas Lek Cesk** 1987 Feb 27;126(9):277–81 (Eng. Abstr.) **(Cze)**

[Serum levels of selenium in the Portuguese population—the highest in Europe] Magalhães E, et al. **Acta Med Port** 1986 May–Jun;7(3):119–20 (Eng. Abstr.) **(Por)**

CEREBROSPINAL FLUID

[Selenium concentration in the cerebrospinal fluid of children] Haas HJ, et al. **Padiatr Padol** 1987;22(1):43–9 (Eng. Abstr.) **(Ger)**

[Selenium concentration in the cerebrospinal fluid of children] Haas HJ, et al. **Padiatr Padol** 1987;22(2):115–21 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and characterization of a selenium-containing substrate of alpha-chymotrypsin. Selenium-77 nuclear magnetic resonance observation of an acyl-alpha-chymotrypsin intermediate. Mullen GP, et al. **Biochemistry** 1986 Sep 23;25(19):5625–32

Fast chemical synthesis of [75Se]L-selenomethionine. Plenevaux A, et al. **Int J Rad Appl Instrum [A]** 1987; 38(1):59–61

DEFICIENCY

Selenium deficiency as a possible factor in the pathogenesis of myxoedematous endemic cretinism. Goyens P, et al. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):497–502

Selenium and cardiomyopathy (Keshan disease). Chen X. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:325–30

Selenium deficiency in Finnish foods and nutrition: research strategy and measures. Koivistoinen P. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:104–10

The antioxidative ability of erythrocyte of children with different selenium status. Zhu L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:331–5

Low blood selenium concentration in Crohn disease [letter] Loeschke K, et al. **Ann Intern Med** 1987 Jun;106(6):908

Effect of vitamin E- and selenium-deficiency on rat liver chemiluminescence. Fraga CG, et al. **Biochem J** 1987 Mar 1;242(2):383–6

Synthetic seleno-organic compound with glutathione peroxidase-like activity in the chick. Mercurio SD, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4505–9

Influence of selenium deficiency on glutathione disulfide metabolism in isolated perfused rat heart. Hill KE, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):431–5

Alterations in the intermediary metabolism of selenium-deficient mice. Wendel A, et al. **Biochim Biophys Acta** 1987 Aug 13;925(2):94–100

Effect of dietary selenium levels on methylbenzylnitrosamine-induced esophageal cancer in rats. Nauss KM, et al. **Cancer Lett** 1986 Oct;33(1):107–16

Increased proliferative activity in selenium-deficient mouse liver. Otter R, et al. **Chem Biol Interact** 1986 Oct 1; 59(3):295–300

Cardiac lesions of selenium-vitamin E deficiency in animals. Ferrans VJ, et al. **Heart Vessels** 1985;Suppl 1:294–7

Effects of marginal selenium deficiency and winter protein supplementation on growth, reproduction and selenium status of beef cattle. Spears JW, et al. **J Anim Sci** 1986 Aug;63(2):586–94

Rat lung glutathione release: response to oxidative stress and selenium deficiency. Jenkinson SG, et al. **J Appl Physiol** 1987 Jan;62(1):55–60

Biological efficacy of partial hepatectomy and hepatopoietin in long-term selenium-deficient mice. Vogl S, et al. **J Hepatol** 1987 Apr;4(2):212–7

Effect of selenium deficiency on the chronic toxicity of adriamycin in rats. Chen XS, et al. **J Nutr** 1986 Dec; 116(12):2453–65

Effect of selenium depletion and repletion on plasma glutathione and glutathione-dependent enzymes in the rat. Hill KE, et al. **J Nutr** 1987 Jan;117(1):99–104

The effect of progressive selenium deficiency on anti-glutathione peroxidase antibody reactive protein in rat liver. Knight SA, et al. **J Nutr** 1987 Apr;117(4):732–8

Relative bioavailability of seleno-compounds in the lactating rat. Smith AM, et al. **J Nutr** 1987 Apr;117(4):725–31

Influence of dietary vitamin E on nutritional pancreatic atrophy in selenium-deficient chicks. Whitacre ME, et al. **J Nutr** 1987 Mar;117(3):460–7

A quantitative microscopic analysis of the myocardial interstitial tissue space and myocardial fiber diameter in rats with vitamin E and selenium deficiency. Shakibi JG, et al. **Jpn Heart J** 1987 Jan;28(1):97–105

Selenium in primary biliary cirrhosis [letter] Thuluvath PJ, et al. **Lancet** 1987 Jul 25;2(8552):219

The effects of dietary fat and selenium on the development of preneoplastic lesions in rat liver. Baldwin S, et al. **Nutr Cancer** 1986;8(4):273–82

Response to divergent selection for early growth of chickens fed a diet deficient in selenium. Cunningham DL, et al. **Poult Sci** 1987 Feb;66(2):209–14

Effect of dietary selenium and vitamin E deficiencies in the chicken on Con A induced splenocyte proliferation. Marsh JA, et al. **Prog Clin Biol Res** 1987;238:333–45

Maternal selenium deficiency enhances the fetolethal toxicity of methyl mercury. Nishikido N, et al. **Toxicol Appl Pharmacol** 1987 May;88(3):322–8

Deficiency of selenium intake enhances manifestation of renal toxicity of cis-diamminedichloroplatinum in mice. Satoh M, et al. **Toxicol Lett** 1987 Sep;38(1–2):155–60

An outbreak of selenium responsive unthriftiness in farmed red deer (Cervus elaphus). Knox DP, et al. **Vet Rec** 1987 Jan 24;120(4):91–2

Copper and selenium deficiency in cattle: an evaluation of methods of oral therapy and an observation of a copper-selenium interaction. Koh TS, et al. **Vet Res Commun** 1987;11(2):133–48

Comparative effects of selenium in oats, meat meal, selenomethionine and sodium selenite for prevention of exudative diathesis in chicks. Hassan S. **Zentralbl Veterinarmed [A]** 1987 Mar;34(3):204–15

Effect of dietary selenium on the prevention of exudative diathesis in chicks, with special reference to selenium transfer via eggs. Hassan S. **Zentralbl Veterinarmed [A]** 1986 Nov;33(9):689–97

[Significance of low selenium levels of the blood and hair in dilated cardiomyopathy] Chen LH. **Chung Hua Nei Ko Tsa Chih** 1987 Mar;26(3):152–4, 190 (Eng. Abstr.) **(Chi)**

[Changes in blood enzymes, liver, skeletal muscle and cartilage in rats fed with a synthetic selenium deficient ration] Mo DX. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):244–8 (Eng. Abstr.) **(Chi)**

[Cause of nutrition-induced muscular dystrophy in suckling lambs in Turkey] Camas H, et al. **Zentralbl Veterinarmed [A]** 1986 Sep;33(7):509–22 (Eng. Abstr.) **(Ger)**

[Selenium deficiency and cardiomyopathy in a patient on long-term parenteral nutrition] Matsusue S, et al. **Nippon Geka Gakkai Zasshi** 1987 Apr;88(4):483–8 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Critical analysis of the accuracy of a combined test (75Se-HCAT and 58Co-B12) of ileal function using a whole-body counter. Smith T, et al. **Clin Phys Physiol Meas** 1987 May;8(2):159–71

Syntheses of selenium labelled compounds—II. The exchange reaction with elemental selenium. Ogawa K, et al. **Int J Rad Appl Instrum [A]** 1986;37(4):315–8

Scintiscanning demonstration of thymoma: comparative study on scintiscans using 201Tl, 67Ga and 75Se. Yuzuriha H, et al. **Jpn J Surg** 1986 Jul;16(4):250–6

[Use of the 75-SeHCAT (23-seleno-25-homotaurocholic acid) test in the diagnosis of chronic diarrhea in children. Preliminary studies] Zaniboni MG, et al. **Minerva Pediatr** 1987 Jan 31;39(1–2):19–23 (Eng. Abstr.) **(Ita)**

[SeHCAT—a gamma-radiating bile acid isotope for the diagnosis of dysfunction of the terminal ileum] Danielsson A, et al. **Lakartidningen** 1987 Apr 8;84(15):1266–70 **(Swe)**

ISOLATION & PURIFICATION

Fast chemical synthesis of [75Se]L-selenomethionine. Plenevaux A, et al. **Int J Rad Appl Instrum [A]** 1987; 38(1):59–61

METABOLISM

Superoxide dismutase isoenzymes, glutathione peroxidase and selenium in blood from HLA-B27-positive and -negative subjects. Marklund SL, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1987 Jun; 95(3):107–11

Selenium and other trace elements in lung tissue in smelter workers relationship to the occurrence of lung cancer. Gerhardsson L, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:256–9

Levels of selenium in human and pig liver: a comparative study. Norheim G, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:174–6

Selenium accumulation in the oocyte after exposure to sodium selenite. Thorlacius-Ussing O, et al.

Acta Pharmacol Toxicol (Copenh) 1986;59 Suppl 7:139–41
Comparative effect of selenium in wheat, barley, fish meal and sodium selenite for prevention of exudative diathesis in chicks. Hassan S. **Acta Vet Scand** 1986;27(4):461–78
Urinary and fecal excretions and absorption of a large supplement of selenium: superiority of selenate over selenite. Thomson CD, et al. **Am J Clin Nutr** 1986 Nov; 44(5):659–63
Pharmacokinetics of selenium administered parenterally at toxic doses in sheep. Blodgett DJ, et al. **Am J Vet Res** 1987 Mar;48(3):530–4
The metabolism of selenomethionine, Se-methylselenocysteine, their selenonium derivatives, and trimethylselenonium in the rat. Foster SJ, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):77–86
Periodate-oxidized adenosine inhibits the formation of dimethylselenide and trimethylselenonium ion in mice treated with selenite. Hoffman JL, et al. **Arch Biochem Biophys** 1987 May 1;254(2):534–40
The role of hypoxia in selenium metabolism. Garberg P, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1377–9
Ascorbate depletion as a consequence of product recycling during dopamine beta-monooxygenase catalyzed selenoxidation. May SW, et al. **Biochemistry** 1987 Mar 24; 26(6):1626–33
Variations among cultured cells in glutathione peroxidase activity in response to selenite supplementation. Sandström BE, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):148–53
Effect of selenium compounds on selenium content, growth and 35S-cystine metabolism of skin fibroblasts from normal and cystinotic individuals. Rhead WJ, et al. **Bioinorg Chem** 1976;6(3):187–202
The development of mercury- and selenium-containing deposits in the kidneys following implantation of dental amalgams in guinea pigs. Eley BM, et al. **Br J Exp Pathol** 1986 Dec;67(6):937–49
Relative nutritional availability to rats of selenium in Finnish spring wheat (Triticum aestivum L.) fertilized or sprayed with sodium selenate and in an American winter bread wheat naturally high in Se. Mutanen M, et al. **Br J Nutr** 1987 May;57(3):319–29
The distribution of selenium in the tissues of lambs following intramuscular administration of different levels of sodium selenite. McMurray CH, et al. **Br Vet J** 1987 Jan–Feb; 143(1):51–8
Bioaccumulation potential of heterotrophic bacteria for lead, selenium, and arsenic. Thompson GA, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):1049–54
Distribution of selenium in marine animals: relationship to diet. Maher WA. **Comp Biochem Physiol [C]** 1987; 86(1):131–3
Comparison of 75SeHCAT retention half-life and fecal content of individual bile acids in patients with chronic diarrheal disorders. Scheurlen C, et al. **Digestion** 1986; 35(2):102–8
Studies on the interaction between SeO2 and sulfur compounds and distribution of Rb, Zn, Co, Fe and Hg in mice by instrumental neutron activation analysis. Czauderna M, et al. **Int J Rad Appl Instrum [A]** 1986; 37(3):211–5
Bioavailability of selenium in mushrooms, Boletus edulis, to young women. Mutanen M. **Int J Vitam Nutr Res** 1986; 56(3):297–301
Utilization of selenalysine by thialysine resistant CHO cells. Cini C, et al. **Ital J Biochem** 1987 May–Jun;36(3):181–7
Serine incorporation into the selenocysteine moiety of glutathione peroxidase. Sunde RA, et al. **J Biol Chem** 1987 Jan 15;262(2):933–7
Effects of varying the amounts of dietary calcium on selenium metabolism in dairy calves. Alfaro E, et al. **J Dairy Sci** 1987 Apr;70(4):831–6
Influence of high dietary lead on selenium metabolism in dairy calves. Neathery MW, et al. **J Dairy Sci** 1987 Mar; 70(3):645–52
Effect of added dietary cobalt on metabolism and distribution of radioactive selenium and stable minerals. Van Ryssen JB, et al. **J Dairy Sci** 1987 Mar;70(3):639–44
Metabolism of selenomethionine and effects of interacting compounds by mammalian cells in culture. Beilstein MA, et al. **J Inorg Biochem** 1987 Feb;29(2):137–52
Selenium content and glutathione peroxidase activity in the testis of the maturing rat. Behne D, et al. **J Nutr** 1986 Aug;116(8):1442–7
Chemical forms of selenium in rat tissues after administration of selenite or selenomethionine. Beilstein MA, et al. **J Nutr** 1986 Sep;116(9):1711–9
Effects of dietary selenite, selenocystine and selenomethionine on selenocysteine lyase and glutathione peroxidase activities and on selenium levels in rat tissues. Deagen JT, et al. **J Nutr** 1987 Jan;117(1):91–8
Metabolism in rats of selenium from intrinsically and extrinsically labeled isolated soy protein. Mason AC, et al. **J Nutr** 1986 Oct;116(10):1883–8
Mercaptans decrease selenium-dependent glutathione peroxidase activity in the chick. Mercurio SD, et al. **J Nutr** 1987 May;117(5):880–5
Selenium-dependent glutathione peroxidase inhibitors increase toxicity of prooxidant compounds in chicks. Mercurio SD, et al. **J Nutr** 1986 Sep;116(9):1726–34
Selenium–mercury interaction during intestinal absorption of 75Se compounds in chicks. Mykkänen HM, et al. **J Nutr** 1987 Aug;117(8):1453–8
Comparative studies of selenium–75 (selenite and selenomethionine) absorption from various milk diets in suckling rats. Raghib MH, et al. **J Nutr** 1986 Aug; 116(8):1456–63
Intracellular transport of thialysine and selenalysine in CHO cells. Busiello V, et al. **Physiol Chem Phys Med NMR** 1987; 19(1):23–7
Cotranslational insertion of selenocysteine into formate dehydrogenase from Escherichia coli directed by a UGA codon. Zinoni F, et al. **Proc Natl Acad Sci USA** 1987 May; 84(10):3156–60
Vitamin, selenium, zinc and copper interactions in free radical protection against ill-placed iron. Willson RL. **Proc Nutr Soc** 1987 Feb;46(1):27–34
The effects of treatment with selenite before and after the administration of [75Se]selenite on the exhalation of [75Se]dimethylselenide. Magos L, et al. **Toxicol Lett** 1987 Apr;36(2):167–72
The uptake and distribution of radioselenium in the larvae of Fasciola hepatica and its snail host Lymnaea columella. Han Hsu H. **Vet Parasitol** 1986 Oct;21(4):233–45
Bioavailability to chicks of selenium in wheat and fish meal. Hassan S, et al. **Zentralbl Veterinarmed [A]** 1987 May; 34(5):353–63
[Fluorescence-sensitized autoradiography of tissue incorporation of [75Se]selenomethionine] Zhu SP, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):93–6 (Eng. Abstr.) **(Chi)**
[The significance of selenium in food] van 't Veer P, et al. **Ned Tijdschr Geneeskd** 1987 Jun 13;131(24):1036–9 **(Dut)**
[Physiopathology, clinical medicine and therapy of changes in selenium deficiency and excess] Cotrozzi G, et al. **Clin Ter** 1986 Sep 30;118(6):385–94 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Abrogation of adriamycin-induced cardiotoxicity by selenium in rabbits. Dimitrov NV, et al. **Am J Pathol** 1987 Feb;126(2):376–83
Dietary ascorbic acid and selenium relationships in the guinea pig. Poovaiah BP, et al. **Ann Nutr Metab** 1987;31(1):9–17
High incidence of selenite-resistant bacteria from a site polluted with selenium. Burton GA Jr, et al. **Appl Environ Microbiol** 1987 Jan;53(1):185–8
Effect of selenium on blood pressure, urinary sodium excretion and plasma aldosterone in cadmium-treated male rats. Nishiyama S, et al. **Arch Toxicol** 1987 Feb;59(5):365–70
Weight gains of lambs treated with a soluble glass bullet containing cobalt, selenium and copper. Ellis NJ, et al. **Aust Vet J** 1987 Mar;64(3):93–4
A relationship between the inhibition of heparan sulfate and chondroitin sulfate synthesis and the inhibition of molting by selenate in the hemipteran Rhodnius prolixus. Dietrich CP, et al. **Biochem Biophys Res Commun** 1987 Jul 31; 146(2):652–8
Effects of dietary selenium on lipid peroxidation, mitochondrial function and protein profiles in the heart of the myopathic Syrian golden hamster (BIO 14.6). Jamall IS, et al. **Biochem Biophys Res Commun** 1987 Apr 29; 144(2):815–20
Selenium-induced enhancement of hematoporphyrin derivative phototoxicity in murine bladder tumor cells. Tosk J, et al. **Biochem Biophys Res Commun** 1986 Nov 14;140(3):1086–92
Differential effect of cadmium on GSH-peroxidase activity in the Leydig and the Sertoli cells of rat testis. Suppression by selenium and the possible relationship to heme concentration. Chung AS, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1367–72
N-acetylcysteine and glutathione-dependent protective effect of PZ51 (Ebselen) against diquat-induced cytotoxicity in isolated hepatocytes. Cotgreave IA, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):2899–904
Active site modifications quench intrinsic fluorescence of rhodanese by different mechanisms. Cannella C, et al. **Biochemistry** 1986 Nov 18;25(23):7319–23
Inhibition of the genesis of spontaneous mammary tumors in C3H mice: effects of selenium and of selenium-antagonistic elements and their possible role in human breast cancer. Schrauzer GN, et al. **Bioinorg Chem** 1976;6(3):265–70
Intensive anti-oxidant pretreatment retards motor nerve degeneration. Hall ED. **Brain Res** 1987 Jun 9;413(1):175–8
Binding of methylmercury and methylmercury-thiol complexes by myelin isolated from mice of differing selenium status. Balthrop JE, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):783–90
The stabilizing effect of vitamin E, selenium and zinc on leucocyte membrane permeability: a study in vitro. Haberal M, et al. **Burns Incl Therm Inj** 1987 Apr;13(2):118–22
Glutathione overproduction by selenite-resistant Escherichia coli. Schmidt MG, et al. **Can J Microbiol** 1986 Oct; 32(10):825–7
Effects of sodium selenite on DNA and carcinogen-induced DNA repair in human diploid fibroblasts. Snyder RD. **Cancer Lett** 1987 Jan;34(1):73–81
Effects of dietary retinyl palmitate and selenium on tumoricidal capacity of macrophages in mice undergoing tumor promotion. Watson RR, et al. **Cancer Lett** 1987 Aug; 36(2):181–7
Influence of dietary fat and selenium in initiation and promotion of aflatoxin B1-induced preneoplastic foci in rat liver. Baldwin S, et al. **Carcinogenesis** 1987 Jan; 8(1):101–7
A study of the mechanism of selenite-induced hypomethylated DNA and differentiation of Friend erythroleukemic cells. Cox R, et al. **Carcinogenesis** 1986 Dec;7(12):2015–8
The effects of selenium on the distribution of mercury in the organs of the black bullhead (Ictalurus melas). Jorgensen D, et al. **Comp Biochem Physiol [C]** 1987; 87(1):181–6
Inhibition of Na,K-ATPase by sodium selenite and reversal by glutathione. Bergad PL, et al. **Curr Eye Res** 1986 Dec; 5(12):919–23
Alterations in urethan-induced adenoma formation in mice exposed to selenium and arsenic. Blakley BR. **Drug Nutr Interact** 1987;5(2):97–102
Evidence that selenium induces growth retardation through reduced growth hormone and somatomedin C production. Thorlacius-Ussing O, et al. **Endocrinology** 1987 Feb; 120(2):659–63
Selenium and immune responses. Kiremidjian-Schumacher L, et al. **Environ Res** 1987 Apr;42(2):277–303 (172 ref.)
Influence of vitamin E and selenium supplement on antibody production in horses. Baalsrud KJ, et al. **Equine Vet J** 1986 Nov;18(6):472–4
Light and electron microscopical visualization of selenium in adrenal glands from rats exposed to sodium selenite. Thorlacius-Ussing O, et al. **Exp Mol Pathol** 1986 Aug; 45(1):59–67
Chronic hydrogen peroxide intake and peroxide metabolizing enzyme activities in some tissues of mice and rats. Kihlström M, et al. **Experientia** 1986 Sep 15;42(9):1018–20
The effect of selenium deficiency on peroxidative injury in the house fly, Musca domestica. A role for glutathione peroxidase. Simmons TW, et al. **FEBS Lett** 1987 Jun 29; 218(2):251–4
Thymine hydroperoxide, a substrate for rat Se-dependent glutathione peroxidase and glutathione transferase isoenzymes. Tan KH, et al. **FEBS Lett** 1986 Oct 27; 207(2):231–3
Interaction between some common genotoxic agents. Beckman L, et al. **Hum Hered** 1986;36(6):397–401
Selenium effects on human neutrophilic granulocyte function in vitro. Urban T, et al. **Immunopharmacology** 1986 Oct; 12(2):167–72
Selenium and polyamine metabolism: different effect of selenite on liver and bursa of Fabricius ornithine decarboxylase activity. Colombatto S, et al. **Int J Biochem** 1987;19(8):725–8
Influence of some dietary chemopreventive agents on the expression of functional differentiation of the mouse mammary gland in vitro. Chakraborty S, et al. **Int J Cancer** 1987 Jun 15;39(6):752–9
Ebselen: a new approach to the inhibition of peroxide-dependent inflammation. Parnham MJ, et al. **Int J Tissue React** 1987;9(1):45–50
Importance of diet of dam and colostrum to the biological antioxidant status and parenteral iron tolerance of the pig. Loudenslager MJ, et al. **J Anim Sci** 1986 Dec;63(6):1905–14
Prepartum supplementation of selenium and vitamin E to dairy cows: assessment of selenium status and reproductive performance. Hidiroglou M, et al. **J Dairy Sci** 1987 Jun; 70(6):1281–8
Linear free energy relationships and cytotoxicities of para-substituted 2-haloethyl aryl selenides and bis(2-chloroethyl) selenides. Kang SI, et al. **J Med Chem** 1987 Apr;30(4):597–602
Selenium independent glutathione peroxidase activity associated with cationic forms of glutathione transferase in human heart. Di Ilio C, et al. **J Mol Cell Cardiol** 1986 Sep;18(9):983–91
Effect of selenium and molybdenum on methylbenzylnitrosamine-induced esophageal lesions and tissue trace metals in the rat. Bogden JD, et al. **J Nutr** 1986 Dec;116(12):2432–42
Effects of dietary selenite, selenocystine and selenomethionine on selenocysteine lyase and glutathione peroxidase activities and on selenium levels in rat tissues. Deagen JT, et al. **J Nutr** 1987 Jan;117(1):91–8
Effects of dietary selenium on bis(2-oxopropyl)nitrosamine-induced carcinogenesis in Syrian golden hamsters. Birt DF, et al. **JNCI** 1986 Dec; 77(6):1281–6
Selenium protection against the acute cadmium toxicity in testis. Ohta H, et al. **Kitasato Arch Exp Med** 1986 Jun; 59(1–2):27–35
Influence of dietary vitamin E, selenium and age on regional distribution of alpha-tocopherol in the rat brain. Meydani M, et al. **Lipids** 1986 Dec;21(12):786–91
Are some major in vivo effects of gold related to microenvironments of decreased selenium? Dillard CJ, et al. **Med Hypotheses** 1986 Aug;20(4):407–20
Effects of selenalysine on thialysine resistant CHO cells. Di Girolamo M, et al. **Microbiologica** 1986 Oct;9(4):487–92
Selenite-induced NAD(P)H oxidation and calcium release in isolated mitochondria: relationship to in vivo toxicity. Vlessis AA, et al. **Mol Pharmacol** 1987 Jun;31(6):643–6
Selenium inhibition of benzo[a]pyrene, 3-methylcholanthrene, and 3-methylcholanthrylene mutagenicity in Salmonella typhimurium strains TA98 and TA100. Prasanna P, et al. **Mutat Res** 1987 Feb;190(2):101–5
Micronutrient interactions in the prevention of cancer. **Nutr Rev** 1987 May;45(5):139–41

Update on the effects of vitamins A, C, and E and selenium on carcinogenesis. Birt DF. **Proc Soc Exp Biol Med** 1986 Dec;183(3):311–20 (78 ref.)
Ebselen reduces the formation of LTB4 in human and porcine leukocytes by isomerisation to its 5S, 12R–6–trans–isomer. Kuhl P, et al. **Prostaglandins** 1986 Jun;31(6):1029–48
Effects of selenium, vitamin E and vitamin C on human prostacyclin and thromboxane synthesis in vitro. Toivanen JL. **Prostaglandins Leukotrienes Med** 1987 Mar; 26(3):265–80
Depression of toxic effects of anticancer agents by selenium or pretreatment with metallothionein inducers. Imura N, et al. **Sangyo Ika Daigaku Zasshi** 1987 Mar 20;9 Suppl:223–9
Antagonism between selenium and humic acid. Peng A, et al. **Sci Sin [B]** 1987 Jan;30(1):66–74
Study on the interaction of Se and erythrocyte membrane—protective effect of Se on the erythrocyte membranes. Wo WH, et al. **Sci Sin [B]** 1986 Nov; 29(11):1177–85
Study on the interaction of Se and erythrocyte membrane—effect of Se on the Na, K–ATPase activity and fluidity of erythrocyte membranes. Yang FY, et al. **Sci Sin [B]** 1986 Oct;29(10):1077–83
Effects of cadmium and dietary selenium on cytoplasmic and mitochondrial antioxidant defense systems in the heart of rats fed high dietary copper. Jamall IS, et al. **Toxicol Appl Pharmacol** 1987 Jan;87(1):102–10
Antagonistic and synergistic effects of lead and selenium in Rattus norvegicus. Chakraborty I, et al. **Toxicol Lett** 1987 Jun;37(1):21–6
Silver–induced lipid peroxidation in mice: interactions with selenium and nickel. Rungby J. **Toxicology** 1987 Aug; 45(2):135–42
Selenium supplementation in lambs: effects on antibody responses to a salmonella vaccine. Finch JM, et al. **Vet Rec** 1986 Oct 25;119(17):430–1
[Effect of selenium and DL–methionine on the zinc and tocopherol content of the seminal fluid in rams] Kaludin I, et al. **Vet Med Nauki** 1986;23(7):41–6 (Eng. Abstr.) **(Bul)**
[Effect of sodium selenite on the chromosomal aberration of V 79 cells induced in vitro by MNNG and MNU] Chen QG, et al. **Chung Hua Chung Liu Tsa Chih** 1987 Jan; 9(1):33–5 (Eng. Abstr.) **(Chi)**
[Level of cyclic AMP–dependent protein kinase isozyme in normal liver and hepatoma tissue and the effect of sodium selenite] Liu QY, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Sep;8(5):339–41 (Eng. Abstr.) **(Chi)**
[The protective effect of selenium on the myocardial cell] Liu GL. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Dec; 15(4):252–4 (Eng. Abstr.) **(Chi)**
[The effect of selenium on experimental myocardial necrosis induced by anoxia] Xue AN. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):249–51 (Eng. Abstr.) **(Chi)**
[Influence of sodium selenite on the spontaneous electric activity of the guinea pig and rabbit heart] Zang WJ, et al. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):627–9 (Eng. Abstr.) **(Chi)**
[Change in the composition of molar dentin in rats kept on normal and protein–poor feed, following administration of selenium] Tóth P, et al. **Fogorv Sz** 1986 Oct;79(10):313–9 (Eng. Abstr.) **(Hun)**
[Changes in the composition of molar enamel under the effect of selenium in rats kept on normal or protein–poor feed] Tóth P Jr, et al. **Fogorv Sz** 1986 Sep;79(9):276–81 (Eng. Abstr.) **(Hun)**
[Anticlastogenic effect of selenium on chromosome aberrations and bleomycin–induced sister chromatid exchange] Zajaczek S, et al. **Folia Med Cracov** 1987; 28(1–2):155–64 (Eng. Abstr.) **(Pol)**
[Effect of sodium selenite on glutathione peroxidase and superoxide dismutase activity in eye tissues in herpetic keratitis] Petrovich IuA, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):405–7 (Eng. Abstr.) **(Rus)**
[Effect of sodium selenite on the activity of antioxidant enzymes (superoxide dismutase, glutathione peroxidase) during hepatocarcinogenesis] Babenko GA, et al. **Eksp Onkol** 1986;8(4):31–3 (Eng. Abstr.) **(Rus)**
[Effect of sodium selenite on tumor cells in culture] Avtsyn AP, et al. **Vopr Onkol** 1986;32(8):77–89 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Progress in establishing human trace element requirements: selenium, zinc, and copper. Levander OA. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:83–9
Trace elements in human health with special reference to selenium. Diplock AT. **Am J Clin Nutr** 1987 May;45(5 Suppl):1313–22
Mercury distribution studies involving complexes of low–molecular weight thiols and methylmercury. Balthrop JE, et al. **Bull Environ Contam Toxicol** 1986 Dec; 37(6):890–8
The role of micronutrient, selenium, in the manifestation of toxicity of heavy metals. Imura N. **Dev Toxicol Environ Sci** 1986;12:115–23

POISONING

Hydrogen selenide poisoning: an illustrative case with review of the literature. Alderman LC, et al. **Arch Environ Health** 1986 Nov–Dec;41(6):354–8 (51 ref.)
Acute selenium poisoning of a 2–year–old child. Lombeck I, et al. **Eur J Pediatr** 1987 May;146(3):308–12
Acute selenium toxicosis in sheep. Blodgett DJ, et al. **Vet Hum Toxicol** 1987 Jun;29(3):233–6
Unstable injectable selenium treatments that may be toxic to cattle. Krieger RI, et al. **Vet Hum Toxicol** 1986 Dec; 28(6):541–2

THERAPEUTIC USE

Selenium treatment in rheumatoid arthritis. Tarp U, et al. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:382–5
The chemopreventive role of selenium in carcinogenesis. Ip C. **Adv Exp Med Biol** 1986;206:431–47
Mechanisms of selenium inhibition of tumorigenesis. Medina D. **Adv Exp Med Biol** 1986;206:465–72
Inhibition of chemical carcinogenesis and tumorigenesis by selenium. Milner JA. **Adv Exp Med Biol** 1986;206:449–63
Inhibition of gingivitis by topical application of ebselen and rosmarinic acid. Van Dyke TE, et al. **Agents Actions** 1986 Dec;19(5–6):376–7
Effect of selenazofurin on influenza A and B virus infections of mice. Sidwell RW, et al. **Antiviral Res** 1986 Oct; 6(6):343–53
Synthetic seleno–organic compound with glutathione peroxidase–like activity in the chick. Mercurio SD, et al. **Biochem Pharmacol** 1986 Dec 15;35(24):4505–9
Effect of combined tigason and selenium treatment on colon carcinogenesis. Hadjiolov D, et al. **J Cancer Res Clin Oncol** 1986;112(3):285–6
A trial of selenium and vitamin E in boys with muscular dystrophy. Gamstorp I, et al. **J Child Neurol** 1986 Jul; 1(3):211–4
Synthesis and antiarrhythmic properties of novel 3–selena–7–azabicyclo[3.3.1]nonanes and derivatives. Single–crystal X–ray diffraction analysis of 7–benzyl–3–selena–7–azabicyclo[3.3.1]nonan–9–one and 7–benzyl–3–selena–7–azabicyclo[3.3.1]nonane hydroperchlorate. Thompson MD, et al. **J Med Chem** 1987 May;30(5):780–8
Time dependent effects of selenium on cadmium–induced acute mouse testicular damage. Sugawara N, et al. **J Toxicol Sci** 1986 Nov;11(4):303–12
Report on the 1986 A.S.P.E.N. Research Workshop on selenium in clinical nutrition. Levander OA, et al. **JPEN J Parenter Enteral Nutr** 1986 Nov–Dec;10(6):545–9
Protection by ebselen against endotoxin shock in rats or mice sensitized by galactosamine. Konz KH, et al. **Prog Clin Biol Res** 1987;236A:281–8
Randomized comparative clinical trial of itraconazole and selenium sulfide shampoo for the treatment of pityriasis versicolor. del Palacio Hernanz A, et al. **Rev Infect Dis** 1987 Jan–Feb;9 Suppl 1:S121–7
An outbreak of selenium responsive unthriftiness in farmed red deer (Cervus elaphus). Knox DP, et al. **Vet Rec** 1987 Jan 24;120(4):91–2
Lack of effect of selenium supplementation on the incidence of weak calves in dairy herds. Rice DA, et al. **Vet Rec** 1986 Dec 6;119(23):571–3
[The protection effect of selenium on the early ischemic rabbit myocardium] Ding J, et al. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Dec;15(4):255–8 (Eng. Abstr.) **(Chi)**
[Experimental study on selenic blockage of primary hepatocarcinoma induced by aflatoxin B1 in rats] Li WG, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1987 Jan; 21(1):11–2 (Eng. Abstr.) **(Chi)**
[Current status of the use of vitamins (A, E, C, D), folates and selenium in the chemoprevention and treatment of malignant tumors] Clerici M, et al. **Minerva Med** 1987 Mar 31;78(6):377–86 (Eng. Abstr.) **(Ita)**
[Glutathione peroxidase activity in rats poisoned with mercury vapor and influence of the simultaneous administration of selenium] Shimosaka H, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):235–41 (Eng. Abstr.) **(Jpn)**
[Effect of sodium selenite, vitamin E and retabolil alone and in combination on certain parameters of protein metabolism in experimentally hypotrophic rats of different ages] Mazgutov VZ. **Vopr Pitan** 1987 Mar–Apr;(2):38–41 (Eng. Abstr.) **(Rus)**

TOXICITY

Selenium deficiency and toxicity in pigs [letter] Greer EB. **Aust Vet J** 1986 Jun;63(6):203
Selenium–induced cytotoxicity of human leukemia cells: interaction with reduced glutathione. Batist G, et al. **Cancer Res** 1986 Nov;46(11):5482–5
Selenite cataract: a review. Shearer TR, et al. **Curr Eye Res** 1987 Feb;6(2):289–300 (54 ref.)
Comparison of cupric and sulfate ion effects on chronic selenosis in rats. Kezhou W, et al. **J Anim Sci** 1987 May; 64(5):1467–75
A murine model for the assessment of placental and fetal development in teratogenicity studies. Hau J, et al. **Lab Anim** 1987 Jan;21(1):26–30
Acute toxicity of selenium to earthworms. Serda S, et al. **Proc West Pharmacol Soc** 1987;30:227–8
The effects of humic acid on the chemical and biological properties of selenium in the environment. Peng A, et al. **Sci Total Environ** 1987 Jun;64(1–2):89–98
Sodium selenite–induced hypothermia in mice: indirect evidence for a neural effect. Watanabe C, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):372–9
[Study of selenite–induced cataract in rats] Ito K. **Nippon Ganka Gakkai Zasshi** 1987 Feb;91(2):220–9 (Eng. Abstr.) **(Jpn)**

URINE

Direct electrothermal atomic absorption spectrometric determination of selenium in biological fluids. Part–1, Human urine. Saeed K. **Acta Pharmacol Toxicol (Copenh)** 1986;59 Suppl 7:593–7

SELENOMETHIONINE see under **SELENIUM**

SELF see **EGO**

SELF ADMINISTRATION

Patient–controlled analgesia with piritramid for the treatment of postoperative pain. Lehmann KA, et al. **Acta Anaesthesiol Belg** 1986;37(4):247–57
A new permanent exteriorized epidural catheter for narcotic self–administration to control cancer pain. DuPen SL, et al. **Cancer** 1987 Mar 1;59(5):986–93
Instilling eyedrops: difficulties experienced by patients following cataract surgery. Donnelly D. **J Adv Nurs** 1987 Mar;12(2):235–43
Self–administered medications for obstetric patients. Jankowski H, et al. **MCN** 1987 May–Jun;12(3):199–203
Neurochemical substrates for opiate reinforcement. Koob GF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 71:146–64
Neurobiological substrates of drug self–administration. Smith JE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1986; 71:127–45 (51 ref.)
Conditioned taste aversion induced by self–administered drugs: paradox revisited. Hunt T, et al. **Neurosci Biobehav Rev** 1987 Spring;11(1):107–30 (345 ref.)
Patient management of pain medication after cardiac surgery. King KB, et al. **Nurs Res** 1987 May–Jun;36(3):145–50
Self–administration of barbiturates and benzodiazepines: a review. Ator NA, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):391–8 (89 ref.)
Genetic and environmental factors in ethanol self–administration. George FR. **Pharmacol Biochem Behav** 1987 Jun;27(2):379–84
Benzodiazepine self–administration in rhesus monkeys: estazolam, flurazepam and lorazepam. Johanson CE. **Pharmacol Biochem Behav** 1987 Mar;26(3):521–6
Animal models of intravenous phencyclinoid self–administration. Marquis KL, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):385–9
Factors controlling drug reinforced behavior. Meisch RA. **Pharmacol Biochem Behav** 1987 Jun;27(2):367–71
Increased self–administration of cocaine following haloperidol: effect of ovariectomy, estrogen replacement, and estrous cycle. Roberts DC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):37–43
Effects of 5,7–dihydroxytryptamine lesions of the nucleus accumbens on rat intravenous morphine self–administration. Smith JE, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):607–12
Opioid self–administration in rats: pharmacodynamics and pharmacokinetics. Young GA, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):373–7
Food deprivation and stimulant self–administration in rats: differences between cocaine and d–amphetamine. Glick SD, et al. **Psychopharmacology (Berlin)** 1987;91(3):372–4
Self–injection of d,1–3,4–methylenedioxymethamphetamine (MDMA) in the baboon. Lamb RJ, et al. **Psychopharmacology (Berlin)** 1987;91(3):268–72
Mecamylamine pretreatment increases subsequent nicotine self–administration as indicated by changes in plasma nicotine level. Pomerleau CS, et al. **Psychopharmacology (Berlin)** 1987;91(3):391–3
[Compliance—multimedication and the elderly] Sandvik E, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20; 106(17–18):1467–8 (Eng. Abstr.) **(Nor)**
[Patient–controlled administration of analgesics—an alternative in intensive care] Islander G. **Lakartidningen** 1986 Oct 15;83(42):3528 **(Swe)**

ADVERSE EFFECTS

Prevalence of misuse of prescribed benzodiazepines in patients with primary anxiety disorder or major depression. Garvey MJ, et al. **Am J Psychiatry** 1986 Dec; 143(12):1601–3
Mishaps with patient–controlled analgesia. White PF. **Anesthesiology** 1987 Jan;66(1):81–3

INSTRUMENTATION

Patient–controlled analgesia. Experience of two new machines. Owen H, et al. **Anaesthesia** 1986 Dec; 41(12):1230–5
Manually operated insulin injector [letter] Eisin G, et al. **Diabetes Care** 1987 Jul–Aug;10(4):530–1
Cancer pain treatment with a simple custom–built portable waterproof microautoinjector. Yamada Y, et al. **Gynecol Obstet Invest** 1987;23(4):275–8

Evaluation of a novel medication aid, the calendar blister-pak, and its effect on drug compliance in a geriatric outpatient clinic. Wong BS, et al. **J Am Geriatr Soc** 1987 Jan;35(1):21-6

PSYCHOLOGY

Compliance with oral drug therapy in patients with hematologic malignancy. Levine AM, et al. **J Clin Oncol** 1987 Sep;5(9):1469-76

SELF ASSESSMENT (PSYCHOLOGY)

Patients' perceptions of their overall level of anxiety about dental care. Green RM, et al. **Br Dent J** 1987 Feb 21; 162(4):155-6

Measurement of pain in children with self-reporting and behavioral assessment. Maunuksela EL, et al. **Clin Pharmacol Ther** 1987 Aug;42(2):137-41

Occipital midline EEG and subjective rating of task difficulty as indices of mental task strain. Kakizaki T. **Eur J Appl Physiol** 1987;56(2):163-8

Movement training: when trainer initiated reinforcement and self-monitoring are not enough. Browder DM, et al. **Int J Rehabil Res** 1986;9(4):363-72

Can self-reported body weight be used to evaluate long-term follow-up of a weight-loss program? Tell GS, et al. **J Am Diet Assoc** 1987 Sep;87(9):1198-201

Identifying coronary-prone behavior in adolescents using the Bortner Self-Rating Scale. Boekeloo BO, et al. **J Chronic Dis** 1987;40(8):785-93

The value of self-report assessment in studies of anxiety disorders. Glass RM, et al. **J Clin Psychopharmacol** 1987 Aug;7(4):215-21

Estimating personal performance: a problem for children with school dysfunction. Feldman H, et al. **J Dev Behav Pediatr** 1986 Oct;7(5):281-7

Self-rated health and associated factors among men of different ages. Jylhä M, et al. **J Gerontol** 1986 Nov; 41(6):710-7

Training on selected self-management techniques and the generalization and maintenance of interpersonal skills for registered nurse students. Farley RC, et al. **J Nurs Educ** 1987 Mar;26(3):99-103

Individual knowledge of emotions in asthmatic children. Chiari G, et al. **J Psychosom Res** 1987;31(3):341-50

Effects of stress inoculation training on self-report, behavioural and psychophysiological reactions to abseiling. Mace RD, et al. **J Sports Sci** 1986 Winter;4(3):229-36

Instrumentation to describe subjective sleep characteristics in healthy subjects. Snyder-Halpern R, et al. **Res Nurs Health** 1987 Jun;10(3):155-63

Influence of knowledge of peak flow on self assessment of asthma: studies with a coded peak flow meter. Higgs CM, et al. **Thorax** 1986 Sep;41(9):671-5

Self-assessment for managers of health care. How can I be a better manager? Rotem A, et al. **WHO Offset Publ** 1987; (97):1-56

[Neurotic and endogenous nonpsychotic depressions from the aspect of self-assessment questionnaires] Boleloucký Z, et al. **Cesk Psychiatr** 1986 Dec;82(6):367-71 (Eng. Abstr.) **(Cze)**

[Mental health as a component of the health status in man (methods of its assessment)] Koudelková A. **Cesk Psychiatr** 1987 Apr;83(2):105-14 (Eng. Abstr.) **(Cze)**

[Usefulness of self-assessment scales for anxiety and depression in internal medicine] Lepine JP, et al. **Acta Psychiatr Belg** 1986 Sep-Oct;86(5):608-15 (Eng. Abstr.) **(Fre)**

[Validity of the self-assessing depression scale in industry] Kawakami N, et al. **Sangyo Igaku** 1986 Sep;28(5):360-1 **(Jpn)**

SELF CARE

Home readings of blood pressure in assessment of hypertensive subjects. Nielsen PE, et al. **Acta Med Scand [Suppl]** 1986;714:147-51

Home parenteral nutrition in infantile short bowel syndrome. Taylor CJ, et al. **Acta Paediatr Scand** 1986 Sep;75(5):866-7

Does self-monitoring of blood glucose levels improve dietary compliance for obese patients with type II diabetes? Wing RR, et al. **Am J Med** 1986 Nov;81(5):830-6

The secret to life in a spica. Mather ML. **Am J Nurs** 1987 Jan;87(1):56-8

Living with a Foley. Wilde MH. **Am J Nurs** 1986 Oct; 86(10):1121-3

A prospective random trial of home uterine activity monitoring in pregnancies at increased risk of preterm labor. Iams JD, et al. **Am J Obstet Gynecol** 1987 Sep; 157(3):638-43

Adapting a self-management education program for asthma for use in an outpatient clinic. Taggart VS, et al. **Ann Allergy** 1987 Mar;58(3):173-8

Benefits of rehabilitation for traumatic spinal cord injury. Multivariate analysis in 711 patients. Yarkony GM, et al. **Arch Neurol** 1987 Jan;44(1):93-6

Self-tonometry to manage patients with glaucoma and apparently controlled intraocular pressure. Wilensky JT, et al. **Arch Ophthalmol** 1987 Aug;105(8):1072-5

Health diary to increase patient participation. Kapoor KL. **Aust Fam Physician** 1987 Apr;16(4):502, 504

Home parenteral nutrition: Westmead Hospital experience. Fletcher JP, et al. **Aust NZ J Surg** 1986 Dec;56(12):897-900

Self-directed EMG training for the control of pain and spasticity in paraplegia: a case study. Bodenhamer E, et al. **Biofeedback Self Regul** 1986 Sep;11(3):199-205

Gross self-neglect in old age. Cybulska E, et al. **Br J Hosp Med** 1986 Jul;36(1):21-5

Social future of elderly admitted to acute care hospital [letter] Reisner C. **Br Med J [Clin Res]** 1987 Apr 4;294(6576):905

Breast self-examination and physician examination of the breasts: implications for health policy. Kaufert P, et al. **Can J Public Health** 1987 May-Jun;78(3):171-5

Breast self-examination: how committed are women? How committed are we? Hobbs P, et al. **Cancer Detect Prev** 1987;10(3-4):205-13

Quality assurance in home laboratory testing. Keffer JH. **Clin Lab Med** 1986 Dec;6(4):799-803

Home blood pressure readings in clinical hypertension research. Schmidt GR, et al. **Clin Pharm** 1986 Nov; 5(11):917-20

Self-management programs for childhood asthma. Blessing-Moore J. **Clin Rev Allergy** 1987 Aug;5(3):191-3

Collaborative asthma self-management. Evaluation designs. Hindi-Alexander MC, et al. **Clin Rev Allergy** 1987 Aug; 5(3):249-58 (17 ref.)

Compliance with medical regimens, self-management programs, and self-care in childhood asthma. Klingelhofer EL. **Clin Rev Allergy** 1987 Aug;5(3):231-47 (66 ref.)

Compliance and self-help in an office practice. Richards W. **Clin Rev Allergy** 1987 Aug;5(3):213-30 (48 ref.)

Comparison of dental information obtained from self-examination and clinical examination. Könönen M, et al. **Community Dent Oral Epidemiol** 1986 Oct;14(5):258-60

Biochemical self-monitoring: promise, practice and problems. Walford S, et al. **Contemp Issues Clin Biochem** 1985; 2:200-13

Active coping strategies. From self-help to psychological counseling. Christen AG, et al. **Dent Clin North Am** 1986 Oct;30(4 Suppl):S67-78

Self-control and reinforcement in the management of a cerebral-palsied adolescent's drooling. Dunn KW, et al. **Dev Med Child Neurol** 1987 Jun;29(3):305-10

Consensus statement on self-monitoring of blood glucose. **Diabetes Care** 1987 Jan-Feb;10(1):95-9

Self-monitoring of blood glucose [letter] Summers G. **Diabetes Care** 1987 Jan-Feb;10(1):134-5

Variations in insulin dosage [letter] Yudkin JS, et al. **Diabetes Care** 1987 Jan-Feb;10(1):134

Self-management of diabetes--a therapeutic success but a teaching failure? Assal JP. **Diabetic Med** 1985 Sep; 2(5):420-2

Diabetes care based upon self-monitoring and self-treatment by the patient. Berger M. **Diabetic Med** 1987 Jul-Aug; 4(4):327-9

Children's knowledge of diabetes and implications for self-care. Eiser C, et al. **Diabetic Med** 1985 Jul;2(4):288-91

A simulated self-care project for resident physicians. McBride P, et al. **Fam Med** 1987 Jan-Feb;19(1):47-8

Who should be blamed for being sick? Wikler D. **Health Educ Q** 1987 Spring;14(1):11-25

Mitral valve prolapse: self-care needs, nursing diagnoses, and interventions. Utz SW, et al. **Heart Lung** 1987 Jan; 16(1):77-83 (31 ref.)

Use of symptoms by schizophrenics to monitor and regulate their illness. McCandless-Glimcher L, et al. **Hosp Community Psychiatry** 1986 Sep;37(9):929-33

Achieving self-care in the ventilator-dependent patient: a critical analysis of a case study. Storm DS, et al. **Int J Nurs Stud** 1987;24(2):95-106

Developing self-care skills and reducing institutionalized behaviour in a long-stay psychiatric population: the role of the nurse in behaviour modification. Stokes G, et al. **J Adv Nurs** 1987 Jan;12(1):35-48

Self-management in the treatment of childhood asthma. Creer TL. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 2):500-5

Evaluation and implementation of self-management programs for children with asthma. Lewis CE, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 2):498-500

The future role of asthma self-management. Parker SR. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 2):511-4

Review of asthma self-management programs. Rachelefsky GS. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 2):506-11 (16 ref.)

Modern management of the type I or insulin-dependent diabetic college student. Reith P. **J Am Coll Health** 1987 Jan;35(4):176-81

Acquired color vision defects and self monitoring of blood sugar in diabetics. Shute DT, et al. **J Am Optom Assoc** 1986 Nov;57(11):824-31

Therapist-assisted versus self-help relaxation treatment of chronic headaches in adolescents: a school-based intervention. Larsson B, et al. **J Child Psychol Psychiatry** 1987 Jan;28(1):127-36

Self-care behaviors and glycemic control in type I diabetes. Glasgow RE, et al. **J Chronic Dis** 1987;40(5):399-412

The limited clinical value of home urine testing by diabetic patients [published erratum appears in J Gen Intern Med 1987 May-Jun;2(3):167] Goodson JD, et al. **J Gen Intern Med** 1986 Jul-Aug;1(4):243-7

Does self-measurement of blood pressure improve patient compliance in hypertension? Edmonds D, et al. **J Hypertens [Suppl]** 1985 Apr;3(1):S31-4

The role of home and ambulatory blood pressure recording in the management of hypertension. O'Brien E, et al. **J Hypertens [Suppl]** 1985 Apr;3(1):S35-9 (47 ref.)

The application of Orem's self-care model in diabetic patients. Siritarungsri B. **J Med Assoc Thai** 1987 Mar;70 Suppl 2:231-4

A comparison of lay-taught and professional-taught arthritis self-management courses. Lorig K, et al. **J Rheumatol** 1986 Aug;13(4):763-7

Self-care motivation: a model for primary preventive oral health behavior change. Horowitz LG, et al. **J Sch Health** 1987 Mar;57(3):114-8

Promoting self-responsibility: using the school nurse in a health awareness program for primary students. Hufford BA, et al. **J Sch Health** 1987 May;57(5):195-7

US Preventive Services Task Force. Screening for breast cancer with breast self-examination. A critical review. O'Malley MS, et al. **JAMA** 1987 Apr 24;257(16):2196-203 (75 ref.)

Changing relation between home and clinic blood-pressure measurements: do home measurements predict clinic hypertension? Padfield PL, et al. **Lancet** 1987 Aug 8; 2(8554):322-4

Determining the relationship of autonomy to self-care agency or locus of control in school-age children. Moore JB. **Matern Child Nurs J** 1987 Spring;16(1):47-60

Self-care and the chronically ill patient. Connelly CE. **Nurs Clin North Am** 1987 Sep;22(3):621-9 (35 ref.)

Parsimony and model confirmation of the ADL Self-Care Scale for multiple sclerosis persons. Gulick EE. **Nurs Res** 1987 Sep-Oct;36(5):278-83

A triangulation of methods and paradigms to study nurse-given wellness care. Hinds PS, et al. **Nurs Res** 1987 May-Jun;36(3):195-8

Environmental control and social integration of a high-lesion tetraplegic patient: case report. Van Laere M, et al. **Paraplegia** 1986 Oct;24(5):322-5

Comparison of cognitive and behavioral self-control treatments of depression. Thomas JR, et al. **Psychol Rep** 1987 Jun;60(3 Pt 1):975-82

Self-help attempts of depressive patients. Böker W. **Psychopathology** 1986;19 Suppl 2:220-4 (27 ref.)

Urinary incontinence in women. Brink CA, et al. **Public Health Nurs** 1987 Jun;4(2):114-9

Self-care attitude changes of nursing students enrolled in a self-care curriculum--a longitudinal study. Hartweg DL, et al. **Res Nurs Health** 1986 Dec;9(4):347-53

Effects of assertion training and first aid instruction on children's autonomy and self-care agency. Moore JB. **Res Nurs Health** 1987 Apr;10(2):101-9

How do patients evaluate cancer related symptoms and signs? A study from general practice. Nylenna M, et al. **Scand J Prim Health Care** 1987 May;5(2):117-22

Home monitoring of blood pressure: usefulness as a predictor of persistent hypertension. Rademaker M, et al. **Scott Med J** 1987 Feb;32(1):16-9

Emerging trends in gerontology and geriatrics: implications for the self-care of the elderly. Hickey T, et al. **Soc Sci Med** 1986;23(12):1363-9

Breast self-examination among college females. Hailey BJ. **Women Health** 1986 Fall-Winter;11(3-4):55-65

[Instructions for patients in self-care after laryngectomy] Xu ML, et al. **Chung Hua Hu Li Tsa Chih** 1986 Sep;21(6):265-6 **(Chi)**

[Home monitoring of blood glucose in pediatric diabetology] Vavřinec J, et al. **Cesk Pediatr** 1986 Aug;41(8):463-5 (Eng. Abstr.) **(Cze)**

[Education of adult diabetic patients in self monitoring: effect on blood sugar level (letter)] Erkelens DW. **Ned Tijdschr Geneeskd** 1987 Jun 27;131(26):1141-2 **(Dut)**

[Education of adult diabetes patients for self monitoring: effects on blood sugar level] Schut H, et al. **Ned Tijdschr Geneeskd** 1987 Apr 18;131(16):666-70 (Eng. Abstr.) **(Dut)**

[Comparison of blood pressure determination done during the office visit and by patients themselves (letter)] Vergroesen R, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11; 130(41):1855 **(Dut)**

[Value of self-monitoring of blood sugar combined with the monitoring of urinary glucose in the young diabetic] François R, et al. **Ann Pediatr (Paris)** 1986 Dec; 33(10):891-7 (Eng. Abstr.) **(Fre)**

[Influence of 2 types of training, (1) problematic and (2) repetitive and structured, on preventive measures and medico-social independence of aged diabetic patients] Crausaz F, et al. **Journ Annu Diabetol Hotel Dieu** 1986; :265-70 **(Fre)**

[Parenteral antibiotic therapy at home: experience of the Hospital Center of Laval University] Martel AY, et al. **Union Med Can** 1987 Mar;116(3):190-3 (Eng. Abstr.) **(Fre)**

[Self care by diabetic patients] **Nippon Rinsho** 1986 Aug;44 Suppl:581-601 **(Jpn)**

[Self-examination for breast cancer. A widely used form for early diagnosis] Bakken W, et al. **Tidsskr Nor Laegeforen** 1987 Apr 30;107(12):1046-7 (Eng. Abstr.) **(Nor)**

[Control of diabetes] Gjemdal T. **Tidsskr Nor Laegeforen** 1986 Oct 20;106(29):2430-2 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Osteoarthritis after blood-glucose self-monitoring [letter] Bernstein RK. **Lancet** 1987 May 16;1(8542):1143

Flexor tendon sheath infection: a complication of self monitoring of blood glucose concentrations. Kinninmonth AW, et al. **Scott Med J** 1986 Jul;31(3):186-7

ECONOMICS

A cost-beneficial diabetic control program with glucose self-monitoring [letter] Dudl RJ, et al. **Diabetes Care** 1982 Nov-Dec;5(6):649-50

Less expensive, reliable blood glucose self-monitoring. Spraul M, et al. **Diabetes Care** 1987 May-Jun;10(3):357-9

INSTRUMENTATION

Hypersensitivity pneumonitis from home mist machine after laryngectomy. Myers CB, et al.
Arch Otolaryngol Head Neck Surg 1987 Jun;113(6):667-8

Diabetes mellitus and pregnancy: management simplified by a computer assisted home glucose meter and measurement of glycosylated protein. Moses RG.
Asia Oceania J Obstet Gynaecol 1987 Jun;13(2):127-30

Ambulatory glucose profile: representation of verified self-monitored blood glucose data. Mazze RS, et al.
Diabetes Care 1987 Jan-Feb;10(1):111-7

Home monitors of blood glucose: comparison of precision and accuracy. North DS, et al. **Diabetes Care** 1987 May-Jun;10(3):360-6

Glycosylated haemoglobin measurement on blood samples taken by patients: an additional aid to assessing diabetic control. Holman RR, et al. **Diabetic Med** 1987 Jan-Feb; 4(1):71-3

An evaluation of incentive inspirometers for following pulmonary function by self-measurement in the home. Finkelstein SM, et al. **IEEE Trans Biomed Eng** 1987 Mar; 34(3):212-6

Self-care aids for the parkinsonian patient and his family. Bell J. **Primary Care** 1977 Sep;4(3):499-512

METHODS

Blood glucose monitoring by children at home: a comparison of methods. Anderson DG, et al. **Aust Paediatr J** 1986 Nov;22(4):309-12

Applications of relaxation/mental imagery (self-hypnosis) in pediatric emergencies. Kohen DP. **Int J Clin Exp Hypn** 1986 Oct;34(4):283-94

Early detection of preterm labor: ambulatory home monitoring of uterine activity. Gill PJ, et al.
J Obstet Gynecol Neonatal Nurs 1986 Nov-Dec; 15(6):439-42

Self-care responses to respiratory illnesses among Vietnamese. Hautman MA. **West J Nurs Res** 1987 May; 9(2):223-43

[Can ambulatory blood pressure be assessed using 9 self-measurements?] Battistella P, et al. **Arch Mal Coeur** 1986 Jun;79(6):896-900 (Eng. Abstr.) (Fre)

PSYCHOLOGY

Medical caring for the smoker. Ethical responsibility works both ways. Clements CD, et al. **Chest** 1987 Feb;91(2):156-8

Experimental evaluation of the effectiveness of group intervention for dementia caregivers. Haley WE, et al.
Gerontologist 1987 Jun;27(3):376-82

The relationship of caregiver burden and morale to Alzheimer's disease patient function in a therapeutic setting. Winogrond IR, et al. **Gerontologist** 1987 Jun;27(3):336-9

Perceptions of self-care in East Germany: a cross-cultural empirical investigation. Whetstone WR. **J Adv Nurs** 1987 Mar;12(2):167-76

The effect of message framing on breast self-examination attitudes, intentions, and behavior. Meyerowitz BE, et al.
J Pers Soc Psychol 1987 Mar;52(3):500-10

Effects of components of protection-motivation theory on adaptive and maladaptive coping with a health threat. Rippetoe PA, et al. **J Pers Soc Psychol** 1987 Mar; 52(3):596-604

Personality factors as predictors of compliance with and the outcome of supervised self-care program for patients with intermittent claudication. Keltikangas-Järvinen L, et al.
Scand J Rehabil Med 1987;19(1):1-6

Personality factors in intermittent claudication related to the outcome of self-care program. Keltikangas-Järvinen L, et al. **Scand J Rehabil Med** 1987;19(1):7-11

SELF CARE (REHABILITATION) see **ACTIVITIES OF DAILY LIVING**

SELF-CARE UNITS see under **HOSPITAL UNITS**

SELF CONCEPT

see related
BODY IMAGE

Self-efficacy as a predictor of smoking behavior in young adolescents. Lawrance L, et al. **Addict Behav** 1986; 11(4):367-82

Late adolescents' identity formation: individuation from the family of origin. Anderson SA, et al. **Adolescence** 1986 Winter;21(84):785-96

Change in self-concept during adolescence. Chiam HK.
Adolescence 1987 Spring;22(85):69-76

Creativity and self-trust: a field study. Earl WL.
Adolescence 1987 Summer;22(86):419-32

Parental pressure, self-esteem and adolescent reported deviance: bending the twig too far. Eskilson A, et al.
Adolescence 1986 Fall;21(83):501-15

Shyness, group dependence and self-concept: attributes of the imaginary audience. Hauck WE, et al. **Adolescence** 1986 Fall;21(83):529-34

Self-concept changes during youth-home placement of adolescents. Krueger R, et al. **Adolescence** 1987 Summer; 22(86):385-92

Black adolescents: a descriptive study of their self-concepts and academic achievement. Mboya MM. **Adolescence** 1986 Fall;21(83):689-96

The relationship of steady dating to self-esteem and sex role identity among adolescents. Samet N, et al. **Adolescence** 1987 Spring;22(85):231-45

Comparison of self-concept of nonobese and obese university junior female nursing students. Stein RF. **Adolescence** 1987 Spring;22(85):77-90

Contrasts in the self-esteem of unwed teenage mothers. Streetman LG. **Adolescence** 1987 Summer;22(86):459-64

Enhancement of self-esteem among female adolescent incest victims: a controlled comparison. Verleur D, et al.
Adolescence 1986 Winter;21(84):843-54

Self-esteem in deaf adolescents. Yachnik M.
Am Ann Deaf 1986 Oct;131(4):305-10

Distress and help-seeking as a function of person-environment fit and self-efficacy: a causal model. Tracey TJ, et al. **Am J Community Psychol** 1986 Dec; 14(6):657-76

Horneyan and Kohutian theories of psychic trauma: a self-psychological reexamination of the work of Harold Kelman. Ulman RB. **Am J Psychoanal** 1987 Summer; 47(2):154-60

Identity of self as infertile: an example of theory-generating research. Olshansky EF. **ANS** 1987 Jan;9(2):54-63

Self-image. Characteristics of operating room nurses. Langford RW, et al. **AORN J** 1987 Apr;45(4):969-79

On the similarity of positive and negative intrusions. Edwards S, et al. **Behav Res Ther** 1987;25(3):207-11

The use of operant techniques to raise self-esteem in maladjusted children. Gurney PW. **Br J Educ Psychol** 1987 Feb;57 (Pt 1):87-94

Not all failures are alike: self attribution and perception of teachers' attributions for failing tests in liked versus disliked subjects. Karniol R. **Br J Educ Psychol** 1987 Feb;57 (Pt 1):21-5

Type A behaviour pattern, the recall of positive personality information and self-evaluations. Furnham A, et al.
Br J Med Psychol 1986 Dec;59 (Pt 4):365-74

Self-esteem and perception of attractiveness: an investigation of early rheumatoid arthritis. Skevington SM, et al.
Br J Med Psychol 1987 Mar;60 (Pt 1):45-52

The self in society: effects of social contexts on the sense of self. McGuire WJ, et al. **Br J Soc Psychol** 1986 Sep; 25 (Pt 3):259-70

Adolescents' perception of self and of immediate environment by parental marital status: a controlled study. Saucier JF, et al. **Can J Psychiatry** 1986 Aug;31(6):505-12

Preparation of sibling donor for bone marrow transplant harvest procedure. Kinrade LC. **Cancer Nurs** 1987 Apr; 10(2):77-81

The development of trait explanations and self-evaluations in the academic and social domains. Benenson JF, et al.
Child Dev 1986 Oct;57(5):1179-87

What children say about classroom performance: sex and grade differences in perceived competence. Frey KS, et al. **Child Dev** 1987 Aug;58(4):1066-78

Behavior of young children with Down syndrome before the mirror: finding things reflected. Loveland KA.
Child Dev 1987 Aug;58(4):928-36

Overcoming emotional obstacles to independence. Beyer M.
Child Today 1986 Sep-Oct;15(5):8-12

Kids and parents spell relief nursery. Milne M.
Child Today 1986 Sep-Oct;15(5):13-6

Social and psychological factors associated with adolescents' self-acceptance of occlusal condition. Brown DF, et al.
Community Dent Oral Epidemiol 1987 Apr;15(2):70-3

Self-efficacy in adolescent girls and boys with insulin-dependent diabetes mellitus. Grossman HY, et al.
Diabetes Care 1987 May-Jun;10(3):324-9

Self-estimates of blood alcohol concentration in drinking-driving context. Beirness DJ.
Drug Alcohol Depend 1987 Jan;19(1):79-90

Use of perceived effort ratings to control exercise intensity in young healthy adults. Eston RG, et al.
Eur J Appl Physiol 1987;56(2):222-4

Effect of training on the rating of perceived exertion at the ventilatory threshold. Hill DW, et al.
Eur J Appl Physiol 1987;56(2):206-11

Abuse and neglect in the middle-class family: the victim's view of self and parents. Senger MM, et al. **Fam Med** 1987 Jan-Feb;19(1):31-6

Formulations of self and family systems. Brighton-Cleghorn J. **Fam Process** 1987 Jun;26(2):185-201

Subjective age correlates: a research note. Barak B, et al.
Gerontologist 1986 Oct;26(5):571-8 (51 ref.)

Satisfaction with social support and self-rated health in older adults. Krause N. **Gerontologist** 1987 Jun;27(3):301-8

Susceptibility to peer pressure, self-esteem, and health locus of control as correlates of adolescent substance abuse. Dielman TE, et al. **Health Educ Q** 1987 Summer; 14(2):207-21

Cross-cultural studies of sex differences in normal adolescents' self-image. Ostrov E, et al.
Hillside J Clin Psychiatry 1986;8(2):183-92

Self-perceptions of aging across cultures: myth or reality? Tien-Hyatt JL. **Int J Aging Hum Dev** 1986-87;24(2):129-48

The chronic periodontitis patient: a negative self-concept. Martin BJ, et al. **Int J Psychosom** 1987;34(1):15-20

The self image of Chinese-American adolescents: a cross-cultural comparison. Chen CL, et al.
Int J Soc Psychiatry 1986 Winter;32(4):19-26

Situational social problem-solving skills and self-esteem of aggressive and nonaggressive boys. Lochman JE, et al.
J Abnorm Child Psychol 1986 Dec;14(4):605-17

Physical attractiveness and self-perception of mental disorder. Burns GL, et al. **J Abnorm Psychol** 1987 May; 96(2):161-3

Specificity and stability of self-referent encoding in clinical depression. Dobson KS, et al. **J Abnorm Psychol** 1987 Feb; 96(1):34-40

Dependency and self-criticism: vulnerability factors for depressive affective states. Zuroff DC, et al.
J Abnorm Psychol 1987 Feb;96(1):14-22

Self-esteem in nurse anesthesia students: a national investigation. Foster S, et al. **J Allied Health** 1987 Feb; 16(1):41-8

How do emotionally disturbed children report their competencies and self-worth? Zimet SG, et al.
J Am Acad Child Adolesc Psychiatry 1987 Jan;26(1):33-8

Self-concept in adolescent anorexics. Swift WJ, et al.
J Am Acad Child Psychiatry 1986 Nov;25(6):826-35

Sex role stereotypes in freshman medical students' perceptions of self and physicians. Dralle PW, et al.
J Am Med Wom Assoc 1987 May-Jun;42(3):75-81

The common mirror dream, dreamer, and the dream mirror. Coen SJ, et al. **J Am Psychoanal Assoc** 1985;33(4):797-820

High-level quadriplegics perceive lung volume change. Banzett RB, et al. **J Appl Physiol** 1987 Feb;62(2):567-73

The self-image of asthmatic adolescents. Ostrov MR, et al.
J Asthma 1986;23(4):187-93

Spontaneous exposure and "self-control" in the treatment of compulsive checking. Junginger J, et al.
J Behav Ther Exp Psychiatry 1987 Jun;18(2):115-9

Irrational beliefs in relation to self-esteem and depression. McLennan JP. **J Clin Psychol** 1987 Jan;43(1):89-91

Social perception and communication skills among schizophrenics and nonschizophrenics. Monti PM, et al.
J Clin Psychol 1987 Mar;43(2):197-205

Perceptions of body size and obesity: a selected review of the literature. Wright EJ, et al. **J Community Health** 1987 Summer-Fall;12(2-3):117-29 (51 ref.)

Coping strategies, self-perceptions, hopelessness, and perceived family environments in depressed and suicidal children. Asarnow JR, et al. **J Consult Clin Psychol** 1987 Jun;55(3):361-6

Self- and peer perceptions and attributional biases of aggressive and nonaggressive boys in dyadic interactions. Lochman JE. **J Consult Clin Psychol** 1987 Jun;55(3):404-10

Self-esteem in diabetic adolescents: relationship between age at onset and gender. Ryan CM, et al.
J Consult Clin Psychol 1986 Oct;54(5):730-1

Replication and extension of the Teacher Self-Control Rating Scale. Work WC, et al. **J Consult Clin Psychol** 1987 Feb; 55(1):115-6

The effects of current mood and prior depressive history on self-schematic processing in children. Zupan BA, et al. **J Exp Child Psychol** 1987 Feb;43(1):149-58

Relations of masculinity and femininity in self-concept to spatial performance in adolescents. Jamison W, et al.
J Genet Psychol 1987 Jun;148(2):249-51

Introspectiveness and adolescent symptom reporting. Hansell S, et al. **J Human Stress** 1985 Winter;11(4):165-76

Aerobic exercise, maternal self-esteem, and physical discomforts during pregnancy. Wallace AM, et al.
J Nurse Midwifery 1986 Nov-Dec;31(6):255-62

Postpartum mothers' perceptions of competence for infant care. Rutledge DL, et al.
J Obstet Gynecol Neonatal Nurs 1987 May-Jun; 16(3):185-94

The effect of a support group on self-esteem of women with premenstrual syndrome. Walton J, et al.
J Obstet Gynecol Neonatal Nurs 1987 May-Jun;16(3):174-8

Improvements in self-concept after treatment of nocturnal enuresis: randomized controlled trial. Moffatt ME, et al.
J Pediatr 1987 Apr;110(4):647-52

Information seeking of high- and low-anxiety subjects after receiving positive and negative self-relevant feedback. Frey D, et al. **J Pers** 1986 Dec;54(4):694-703

Predicting athletic performance with self-confidence and somatic and cognitive anxiety as a function of motor and physiological requirements in six sports. Taylor J.
J Pers 1987 Mar;55(1):139-53

Depression and pessimism for the future: biased use of statistically relevant information in predictions for self versus others. Alloy LB, et al. **J Pers Soc Psychol** 1987 Feb;52(2):366-78

Peer-group affiliation and adolescent self-esteem: an integration of ego-identity and symbolic-interaction theories. Brown BB, et al. **J Pers Soc Psychol** 1987 Jan; 52(1):47-55

Downward comparison, prejudice, and evaluations of others: effects of self-esteem and threat. Crocker J, et al. **J Pers Soc Psychol** 1987 May;52(5):907–16

Adolescent loneliness, self-disclosure, and private self-consciousness: a longitudinal investigation. Davis MH, et al. **J Pers Soc Psychol** 1986 Sep;51(3):595–608

Enhancing the prediction of self-handicapping. Harris RN, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1191–9

Personality and social resources in immediate and continued stress resistance among women. Hobfoll SE, et al. **J Pers Soc Psychol** 1987 Jan;52(1):18–26

Self-complexity as a cognitive buffer against stress-related illness and depression. Linville PW. **J Pers Soc Psychol** 1987 Apr;52(4):663–76

Differences in conceptualizing self versus conceptualizing other people as manifested in contrasting verb types used in natural speech. McGuire WJ, et al. **J Pers Soc Psychol** 1986 Dec;51(6):1135–43

Stability and malleability of the self-concept. Markus H, et al. **J Pers Soc Psychol** 1986 Oct;51(4):858–66

Type A behavior pattern and self-evaluation of abilities: empirical tests of the self-appraisal model. Strube MJ, et al. **J Pers Soc Psychol** 1987 May;52(5):956–74

The cognitive-affective crossfire: when self-consistency confronts self-enhancement. Swann WB Jr, et al. **J Pers Soc Psychol** 1987 May;52(5):881–9

Depression, self-esteem, and the absence of self-protective attributional biases. Tennen H, et al. **J Pers Soc Psychol** 1987 Jan;52(1):72–80

Type A behavior, achievement striving, and a dysfunctional self-evaluation system. Ward CH, et al. **J Pers Soc Psychol** 1987 Aug;53(2):318–26

Somatopsychology and AIDS victims. Menenberg SR. **J Psychosoc Nurs Ment Health Serv** 1987 May;25(5):18–22

The relationship between diabetic control and individual and family characteristics. Evans CL, et al. **J Psychosom Res** 1987;31(3):367–74

Type A behavior in housewives: relation to work, marital adjustment, stress, tension, health, fear-of-failure and self esteem. Houston BK, et al. **J Psychosom Res** 1987; 31(1):55–61

Self-concept, stress symptomatology, and tobacco use. Bonaguro JA, et al. **J Sch Health** 1987 Feb;57(2):56–8

Two noninvasive methods to measure female maturation. Kozinetz CA. **J Sch Health** 1986 Dec;56(10):440–2

Self-efficacy and health education. Lawrance L, et al. **J Sch Health** 1986 Oct;56(8):317–21 (29 ref.)

Enhancing self-esteem through mutual self-disclosure. Olds RS. **J Sch Health** 1987 Apr;57(4):160–1

The influence of self-efficacy expectations on the treatment of preorgasmic women. Bogat GA, et al. **J Sex Marital Ther** 1987 Summer;13(2):128–36

Body history. Illich I. **Lancet** 1986 Dec 6;2(8519):1325–7

Maternal-fetal attachment in relation to self-concept and anxiety. Gaffney KF. **Matern Child Nurs J** 1986 Summer; 15(2):91–101

Slenderness and self-esteem in young women [letter] Rigsby B, et al. **Med J Aust** 1986 Nov 3;145(9):487–8

Self-efficacy mediates strength gains during circuit weight training in men with coronary artery disease. Ewart CK, et al. **Med Sci Sports Exerc** 1986 Oct;18(5):531–40

Autonomy and the demented self. Dworkin R. **Milbank Q** 1986;64 Suppl 2:4–16

Self-esteem, social support, and positive health practices. Muhlenkamp AF, et al. **Nurs Res** 1986 Nov-Dec; 35(6):334–8

The role of self-efficacy expectancies in the prediction of pain tolerance. Dolce JJ, et al. **Pain** 1986 Nov;27(2):261–72

Trait of anxiety as self-schemata in memory. Barrow VL, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1198

Age salience in older adults' spontaneous self-concept. Gfellner BM. **Percept Mot Skills** 1986 Dec;63(3):1196–8

Relationship between differentiation and integration of self and nonself: an investigation in terms of modes of perceptual adaptation. Hansson SB, et al. **Percept Mot Skills** 1987 Apr;64(2):523–38

Self-esteem of adolescent females as related to race, economic status, and area of residence. Housley K, et al. **Percept Mot Skills** 1987 Apr;64(2):559–66

Primary and secondary deviational salience: predictors, consequences, symptoms and strategies. Morrow J. **Percept Mot Skills** 1987 Feb;64(1):47–58

Relationship between self-actualization and self-reported health practices. Petosa RA, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1091–4

Behavioral manifestations of misguided entitlement. Kerr NJ. **Perspect Psychiatr Care** 1985;23(1):5–15

Evaluating medical student clinical skill performance: relationships among self, peer, and expert ratings. Calhoun JG, et al. **Proc Annu Conf Res Med Educ** 1984;23:205–10

Self-regulatory perseveration and the depressive self-focusing style: a self-awareness theory of reactive depression. Pyszczynski T, et al. **Psychol Bull** 1987 Jul; 102(1):122–38

Social support, self-esteem and depression. Brown GW, et al. **Psychol Med** 1986 Nov;16(4):813–31

Relationship between self-esteem and depression among children. Battle J. **Psychol Rep** 1987 Jun;60(3 Pt 2):1187–90

Depression and self-esteem of teachers. Beer J. **Psychol Rep** 1987 Jun;60(3 Pt 2):1097–8

Self-concept of lesbian and heterosexual women. Christie D, et al. **Psychol Rep** 1986 Dec;59(3):1279–82

Cognitive correlates of obesity in a nonclinical population. Davis JM, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1151–6

Adolescents' self-disclosure of potentially embarrassing events. Denholm CJ, et al. **Psychol Rep** 1987 Feb;60(1):45–6

Effects on self-actualization of paperbacks about psychological self-help. Forest JJ. **Psychol Rep** 1987 Jun; 60(3 Pt 2):1243–6

Assessing perceptions of self and God: comparison of prisoners and normals. Jolley JC, et al. **Psychol Rep** 1986 Dec;59(3):1139–46

Follow-up study of psychotherapeutically-induced change in clients' constructs of self. Morrison JK, et al. **Psychol Rep** 1986 Oct;59(2 Pt 1):537–8

Self-discrepancy: a theory relating self and affect. Higgins ET. **Psychol Rev** 1987 Jul;94(3):319–40

Stability of perceived personal control for older black and white men. Pitcher BL, et al. **Res Aging** 1987 Jun; 9(2):200–25

Power orientations and communication style of managers and nonmanagers. Farley MJ. **Res Nurs Health** 1987 Jun; 10(3):197–202

Dream self-reflectiveness as a learned cognitive skill. Purcell S, et al. **Sleep** 1986;9(3):423–37

Socio-demographic variation in perceived illness and the use of primary care: the value of community survey data for primary care service planning. Bucquet D, et al. **Soc Sci Med** 1986;23(7):737–44

Nurse self-esteem and collaboration with physicians. Baldwin A, et al. **West J Nurs Res** 1987 Feb;9(1):107–14

The impact of mastectomy on self-concept and social function: a combined cross-sectional and longitudinal study with comparison groups. Penman DT, et al. **Women Health** 1986 Fall-Winter;11(3–4):101–30

[Video confrontation and dementia] Laouabdia S, et al. **Ann Med Psychol (Paris)** 1986 Mar;144(3):279–85 **(Fre)**

[20-year development of a case of anorexia nervosa seen through an analysis of the patient's drawings] Veyrat JG, et al. **Ann Med Psychol (Paris)** 1986 Mar;144(3):294–310 **(Fre)**

[Experience of the handicap by the child and its caregivers] de Barbot F. **Arch Fr Pediatr** 1986;43 Suppl 1:551–3 **(Fre)**

[From social representation to the identity of physically handicapped people] Ravaud JF, et al. **Int J Rehabil Res** 1986;9(4):343–54 (Eng. Abstr.) **(Fre)**

[How do young users of psychotropic substances view themselves and their environment? Typologic analysis] Facy F, et al. **Psychiatr Enfant** 1986;29(2):533–57 (Eng. Abstr.) **(Fre)**

[Some determinants of persistence and performance] Försterling F, et al. **Arch Psychol (Frankf)** 1987; 139(1):37–47 (Eng. Abstr.) **(Ger)**

[Performance increasing effect of self-caused failure: behavioral effects of attributions] Haisch J. **Arch Psychol (Frankf)** 1987;139(1):23–35 (Eng. Abstr.) **(Ger)**

[Effect of ideal body image on self assessment of the true body image in childhood and adolescence] Gutezeit G, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Aug-Sep; 35(6):207–14 (Eng. Abstr.) **(Ger)**

[Family therapists' experiences of their families of origin. A report of experiences] Rücker-Embden-Jonasch I, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Nov-Dec; 35(8):305–12 (Eng. Abstr.) **(Ger)**

[Adolescence--a normative psychological crisis] Steinhausen HC. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb-Mar; 36(2):39–49 (Eng. Abstr.) **(Ger)**

[Perversion in the service of self-regulation] Quint H. **Psyche (Stuttg)** 1987 May;41(5):411–31 (Eng. Abstr.) **(Ger)**

[Change in the self-concept of drug-dependent patients in inpatient care] Pauchard JP, et al. **Soz Praventivmed** 1987; 32(3):133–6 (Eng. Abstr.) **(Ger)**

[Cognitive performance and performance concepts of the elderly. A contribution to basic gerontologic research] Deusinger IM. **Z Gerontol** 1986 Sep-Oct;19(5):300–8 (Eng. Abstr.) **(Ger)**

[Training-induced changes in performance self concept and cognitive abilities in the aged] Dittmann-Kohli F. **Z Gerontol** 1986 Sep-Oct;19(5):309–22 (Eng. Abstr.) **(Ger)**

[Degree of reality of self concept of hearing-impaired and deaf school children] Beck B. **Z Gesamte Hyg** 1986 Jul; 32(7):422–3 (Eng. Abstr.) **(Ger)**

[The personality and self-concept of aggressive children: a typologic approach] Hobrücker B, et al. **Z Kinder Jugenpsychiatr** 1987;15(1):29–42 (Eng. Abstr.) **(Ger)**

[Relations between self-reported social contacts and extraversion and self awareness in male and female students (published erratum appears in Z Klin Psychol Psychopathol Psychother 1987;35(1):96)] Ederer E. **Z Klin Psychol Psychopathol Psychother** 1986;34(4):308–14 **(Ger)**

[Changes in the self image of 2 groups of women after breast surgery] Morasso G, et al. **Minerva Psichiatr** 1986 Oct-Dec;27(4):299–302 (Eng. Abstr.) **(Ita)**

[The professional identity crisis of the psychiatrist] Parisi R, et al. **Minerva Psichiatr** 1986 Oct-Dec;27(4):287–91 (Eng. Abstr.) **(Ita)**

[The effects of self-evaluative responses with feedback in learning] Ishida S. **Shinrigaku Kenkyu** 1987 Feb;57(6):372–8 (Eng. Abstr.) **(Jpn)**

[Effect of self-consciousness on treatment effectiveness in alcoholism] Smirnov OG, et al. **Sov Med** 1987;(4):112–4 **(Rus)**

[Attitude of specialists in different occupational groups to their health] Goshtautas A, et al. **Ter Arkh** 1987;59(1):90–3 (Eng. Abstr.) **(Rus)**

[Disorders of self-consciousness in schizophrenic patients with depressive and depressive-paranoid syndromes] Nosachev GN. **Zh Nevropatol Psikhiatr** 1987;87(5):709–13 (Eng. Abstr.) **(Rus)**

[The role of the self-consciousness of schizophrenic patients in the socio-vocational readaptation] Nosenko NF. **Zh Nevropatol Psikhiatr** 1987;87(1):90–4 (Eng. Abstr.) **(Rus)**

[Self concept, sex and marital status] Tamayo A. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):207–14 (Eng. Abstr.) **(Spa)**

SELF DISCLOSURE

The validity of smoking self-reports by adolescents: a reexamination of the bogus pipeline procedure. Murray DM, et al. **Addict Behav** 1987;12(1):7–15

Validity of adolescents' self-reports of alcohol use and misuse using a bogus pipeline procedure. Campanelli PC, et al. **Adolescence** 1987 Spring;22(85):7–22

Underestimation of relative weight by use of self-reported height and weight. Stewart AW, et al. **Am J Epidemiol** 1987 Jan;125(1):122–6

Sex fantasies revisited: an expansion and further clarification of variables affecting sex fantasy production. Follingstad DR, et al. **Arch Sex Behav** 1986 Dec;15(6):475–86

Reminiscence intervention in nursing homes: what and who changes? Berghorn FJ, et al. **Int J Aging Hum Dev** 1986–87; 24(2):113–27

Psychophysiological reactivity and speech behavior during the Structured Type A Interview and a self-disclosure monologue. Pfiffner E, et al. **Int J Psychophysiol** 1987 May; 5(1):1–9

The cognitive orientation of expressive communicability in schizophrenics and normals. Kreitler S, et al. **J Commun Disord** 1987 Feb;20(1):73–91

Efficacy of an alcoholism self-report questionnaire in a residency clinic. Glaze LW, et al. **J Fam Pract** 1987 Jul; 25(1):60–4

Adolescent loneliness, self-disclosure, and private self-consciousness: a longitudinal investigation. Davis MH, et al. **J Pers Soc Psychol** 1986 Sep;51(3):595–608

The psychophysiology of confession: linking inhibitory and psychosomatic processes. Pennebaker JW, et al. **J Pers Soc Psychol** 1987 Apr;52(4):781–93

Helper secrets: internal stressors in nursing. Larson DG. **J Psychosoc Nurs Ment Health Serv** 1987 Apr;25(4):20–7

Enhancing self-esteem through mutual self-disclosure. Olds RS. **J Sch Health** 1987 Apr;57(4):160–1

Self-disclosure of homosexual orientation. Wells JW, et al. **J Soc Psychol** 1987 Apr;127(2):191–7

Impact of cultural pressures on self-reports of actual and approved hand use. Payne MA. **Neuropsychologia** 1987; 25(1B):247–58

Adolescents' self-disclosure of potentially embarrassing events. Denholm CJ, et al. **Psychol Rep** 1987 Feb;60(1):45–6

SELF ESTEEM see **SELF CONCEPT**

SELF-EVALUATION PROGRAMS see under **EDUCATIONAL MEASUREMENT**

SELF-HELP DEVICES

Effects of adaptive seating devices on the eating and drinking of children with multiple handicaps. Hulme JB, et al. **Am J Occup Ther** 1987 Feb;41(2):81–9

Feedback during patient-controlled analgesia using a speech synthesizer. Hodsman NB, et al. **Anaesthesia** 1987 Jul; 42(7):767–9

Continuous passive motion device for hand rehabilitation. Bentham JS, et al. **Arch Phys Med Rehabil** 1987 Apr; 68(4):248–50

Integrated communication/environmental controller system for the physically disabled. Fatehi MT, et al. **Arch Phys Med Rehabil** 1987 Mar;68(3):180–4

Promoting the use of rehabilitation technology. High-tech, high-touch, advocacy, equipment consideration. Leavitt RJ. **ASHA** 1987 Apr;29(4):28–31

The transmission of prosodic information via an electrotactile speechreading aid. Grant KW, et al. **Ear Hear** 1986 Oct; 7(5):328–35

Communication by eye closure. II--New hardware for optical switching. Grattan KT, et al. **IEEE Trans Biomed Eng** 1987 Mar;34(3):255–7

Communication by eye closure--a microcomputer-based system for the disabled. Grattan KT, et al. **IEEE Trans Biomed Eng** 1986 Oct;33(10):977–82

A prototype portable electronic speaking aid for the nonvocal handicapped. Walsh MJ, et al. **IEEE Trans Biomed Eng** 1986 Oct;33(10):985–8

Psychophysical studies relevant to the design of a digital electrotactile speech processor. Blamey PJ, et al. **J Acoust Soc Am** 1987 Jul;82(1):116–25

Symbolic keyboard for computer aided instruction of deaf

children. López O, et al. **J Biomed Eng** 1987 Jul;9(3):232–6
Interfacing the BBC microcomputer for use with profoundly handicapped children. Hillman MR.
J Med Eng Technol 1986 Jul–Aug;10(4):196–8
A power-assisted arm balancer. Thorpe TE.
J Med Eng Technol 1986 Sep–Oct;10(5):248–51
An inexpensive and portable talking-tactile terminal for the visually handicapped. Karshmer AI, et al. **J Med Syst** 1986 Jun;10(3):229–44
Increasing the communicator usage skills of a cerebral palsied adolescent. Tarnowski KJ, et al. **J Pediatr Psychol** 1986 Dec;11(4):573–81
A jaw-operated proximity switch for a paraplegic patient. DiPietro GJ, et al. **J Prosthet Dent** 1986 Dec;56(6):711–5
An aid for swing-lock partial denture removal. LaBell TL, et al. **J Prosthet Dent** 1987 Sep;58(3):393
Retroactive and proactive interference effects in dual learning of blissymbolics and manual sign. Luftig RL, et al. **J Psycholinguist Res** 1986 Nov;15(6):509–23
Evaluating manual control devices for those with tremor disability. Riley PO, et al. **J Rehabil Res Dev** 1987 Spring; 24(2):99–110
Adapting personal computers for use by high-level quadriplegics. Kilgallon MJ, et al. **Med Instrum** 1987 Apr; 21(2):97–102
Vibrotactile devices as sensory aids for the deaf. Miyamoto RT, et al. **Otolaryngol Head Neck Surg** 1987 Jul;97(1):57–63
Behavioral and postural changes observed with use of adaptive seating by clients with multiple handicaps. Hulme JB, et al. **Phys Ther** 1987 Jul;67(7):1060–7
[The Mini-Fonator: a portable vibrotactile aid, a tool for aid in communication for the profoundly deaf, both children and adults] Chabrol A, et al.
Rev Laryngol Otol Rhinol (Bord) 1986;107(5):429–31 **(Fre)**
[Rehabilitation of patients without hands—a report of management] de Nève W. **Beitr Orthop Traumatol** 1986 Sep;33(9):442–7 (Eng. Abstr.) **(Ger)**
[Speech input for handicapped patients] Mutschler H, et al. **Rehabilitation (Stuttg)** 1986 Aug;25(3):123–7 (Eng. Abstr.) **(Ger)**
[Possibilities of ergotherapy from the rheumatologic viewpoint] Goldinger G. **Schweiz Rundsch Med Prax** 1987 Jun 30;76(27):785–91 (Eng. Abstr.) **(Ger)**
[Communication by symbols in patients with certain speech impediments] Budai D, et al. **Med Pregl** 1986;39(3–4):183–6 (Eng. Abstr.) **(Ser)**

STANDARDS

A comparison of the intelligibility of some low cost speech synthesis devices. Keating DL, et al.
Br J Disord Commun 1986 Aug;21(2):167–72

UTILIZATION

Investigation of Possum users in Scotland. Bell F, et al.
Int Rehabil Med 1987;8(3):105–12
Bath aids—their use by a multi-diagnostic group of patients. Shipham I. **Int Rehabil Med** 1987;8(4):182–4

SELF-HELP GROUPS

Work site group meetings and the effectiveness of a televised smoking cessation intervention. Jason LA, et al.
Am J Community Psychol 1987 Feb;15(1):57–72
Support for those who stutter needs support. Bowman S. **ASHA** 1987 Apr;29(4):55–6
Genetics support groups: volunteers and professionals as partners. Self-help groups: an emerging social resource. **Birth Defects** 1986;22(2):79–116
On helping people with tinnitus to help themselves. Slater R. **Br J Audiol** 1987 May;21(2):87–90
Self help groups [letter] **Br Med J** 1987 Feb 14; 294(6569):439–40
The wasted resource: helping young people with diabetes to help each other. Fox C. **Diabetic Med** 1986 Sep–Oct; 3(5):475–6
The Firbush project—sharing a way of life. Newton RW, et al. **Diabetic Med** 1985 May;2(3):217–24
The growth of a senior group. Pascucci MA.
Geriatr Nurs (New York) 1986 Nov–Dec;7(6):313
The role of local self-help groups for patients with inflammatory bowel disease. Mayberry JF.
Int J Color Dis 1987 Feb;2(1):15–6
An educational group treatment program for bulimia. Connor-Greene PA. **J Am Coll Health** 1987 Mar; 35(5):229–31
Social support, support groups, and the cancer patient. Taylor SE, et al. **J Consult Clin Psychol** 1986 Oct; 54(5):608–15
Social climate comparison of mutual help and psychotherapy groups. Toro PA, et al. **J Consult Clin Psychol** 1987 Jun; 55(3):430–1
Social work groups on a heart transplant program. Suszycki LH. **J Heart Transplant** 1986 Mar–Apr;5(2):166–70
Rehabilitation after mastectomy. Bostwick J.
J Med Assoc Ga 1987 May;76(5):336–41
The effect of a support group on self-esteem of women with premenstrual syndrome. Walton J, et al.
J Obstet Gynecol Neonatal Nurs 1987 May–Jun;16(3):174–8
A new approach to the psychological care of adolescents with cancer. Carr-Gregg M, et al. **Med J Aust** 1986 Dec 1–15;145(11–12):580, 582–3
A family's view of progressive dementia. Doernberg M. **NC Med J** 1987 Apr;48(4):187–9
Family empowerment through self-help groups. Battaglino L. **New Dir Ment Health Serv** 1987 Summer;(34):43–51
Alzheimer's disease and related disorders support society [letter] Harrison J. **NZ Med J** 1987 Jan 28;100(816):27
Sons and daughters of parents in a support organization. Sommer R. **Psychiatr Q** 1986–87 Spring;58(1):57–65
Research, support groups aid dementia patients and families. Frederick JH. **Tex Med** 1987 Jan;83(1):8
Sight loss support groups in medical center environment. Kaplan S, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986;38(1):315–7
[Rheumatism league: self-help organizations] Täuber W. **Orthopade** 1986 Aug;15(4):361–3 (Eng. Abstr.) **(Ger)**
[Significance of self-help groups for psychosocial rehabilitation in cancer] Schaeffer D, et al.
Rehabilitation (Stuttg) 1986 Aug;25(3):128–33 (Eng. Abstr.) **(Ger)**

METHODS

Psychoeducational program evaluation. One practical method. Walsh J. **J Psychosoc Nurs Ment Health Serv** 1987 Mar;25(3):25–31

ORGANIZATION & ADMINISTRATION

Self help groups: the fourth estate in medicine? Lock S.
Br Med J [Clin Res] 1986 Dec 20–27;293(6562):1596–600
Helping network: seniors to seniors. Morrow-Howell N, et al. **Gerontologist** 1987 Feb;27(1):17–20
AIDS and self-organization among intravenous drug users. Friedman SR, et al. **Int J Addict** 1987 Mar;22(3):201–19
The role of nursing in a support group for heart transplantation recipients and their families. Hyler BJ, et al. **J Heart Transplant** 1985 Jul–Aug;4(4):453–6
Support group for families of acute neurological patients. Richmond TS, et al. **J Neurosci Nurs** 1987 Feb;19(1):40–3
Group meetings for parents and spouses of bone marrow transplant patients. Patenaude AF, et al.
Soc Work Health Care 1986 Fall;12(1):51–65
[The family physician and self-help groups. 1: Self-help in health—principles, current structures and forms of organization] Hesse E. **Fortschr Med** 1987 Aug 10; 105(23):443–4 (7 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

An evaluation of GROW, a mutual-help community mental health organisation. Young J, et al.
Community Health Stud 1987;11(1):38–42
Self-help group behavioural treatment for obesity. An evaluation of Weight Control Workshops. Levy S, et al. **Med J Aust** 1986 Nov 3;145(9):436–8

TRENDS

Narcotics Anonymous (NA): the phenomenal growth of an important resource. Wells B. **Br J Addict** 1987 Jun; 82(6):581–2
The National Alliance for the Mentally Ill: history and ideology. Howe CW, et al. **New Dir Ment Health Serv** 1987 Summer;(34):23–33

SELF-INSTRUCTION PROGRAMS see **PROGRAMMED INSTRUCTION**

SELF-INSTRUCTION PROGRAMS, COMPUTERIZED see **COMPUTER ASSISTED INSTRUCTION**

SELF MEDICATION

Alternative anticoagulation [letter] Kinzel T. **JAMA** 1987 Apr 17;257(15):2035
Drug prescription and self-medication in India: an exploratory survey. Greenhalgh T. **Soc Sci Med** 1987; 25(3):307–18
The use of modern pharmaceuticals in a Filipino village: doctors' prescription and self medication. Hardon AP.
Soc Sci Med 1987;25(3):277–92
Self-care and the informal sale of drugs in south Cameroon. van der Geest S. **Soc Sci Med** 1987;25(3):293–305
[Analgesics in self medication and in general practice (letter)] Doeglas HM. **Ned Tijdschr Geneeskd** 1987 Feb 28; 131(9):375 **(Dut)**
[Analgesics in self medication and in general practice] Offerhaus L. **Ned Tijdschr Geneeskd** 1986 Dec 27; 130(52):2332–4 **(Dut)**
[How we have ensured the proper taking of medication in a multi-drug therapy program in Vietnam] Duê LK.
Acta Leprol (Geneve) 1986 Oct–Dec;(103):491–3 **(Fre)**
[Sale of drugs without medical prescription in pharmacies of the city of São Paulo] Carlini EA, et al. **AMB** 1986 May–Jun;32(5–6):75–8 (Eng. Abstr.) **(Por)**
[Self medication: again an old problem (editorial)] Juarez E. **AMB** 1986 May–Jun;32(5–6):73–4 **(Por)**
[Indications for drugs suggested by pharmacy attendants in Porto Alegre-RS] Soibelman M, et al. **AMB** 1986 May–Jun;32(5–6):79–83 (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

Sympathomimetic-induced depression [letter] Twerski B.
Am J Psychiatry 1987 Feb;144(2):252
Chronic thyroxine ingestion leading to thyroid storm and accelerated thyroxine turnover. Petit WA Jr, et al.
Conn Med 1987 May;51(5):291–2
The hazards of non-prescription sales of inhaled metaproterenol. Hannaway PJ.
New Engl Reg Allergy Proc 1986 Mar–Apr;7(2):147–9
Meconium during labour—self-medication and other associations. Mitri F, et al. **S Afr Med J** 1987 Apr 4; 71(7):431–3

PSYCHOLOGY

Surreptitious insulin administration: is it an iatrogenic syndrome? [letter] Orr DP, et al. **Am J Dis Child** 1987 Aug;141(8):830–2
More on self-medication and drug abuse [letter] Dackis CA, et al. **Am J Psychiatry** 1986 Oct;143(10):1309–10
Surreptitious insulin administration in adolescents with insulin-dependent diabetes mellitus. Orr DP, et al.
JAMA 1986 Dec 19;256(23):3227–30
Another facet of brittle diabetes [editorial] Santiago JV.
JAMA 1986 Dec 19;256(23):3263–4

SELF MUTILATION

Gross self-neglect in old age. Cybulska E, et al.
Br J Hosp Med 1986 Jul;36(1):21–5
Oedipism or self-inflicted enucleation. Neetens A, et al.
Bull Soc Belge Ophtalmol 1985;215:125–30
Enhanced muscimol-induced behavioral responses after 6-OHDA lesions: relevance to susceptibility for self-mutilation behavior in neonatally lesioned rats. Breese GR, et al. **Psychopharmacology (Berlin)** 1987;91(3):356–62
[Loss of digital tissues and carpal canal syndrome. Apropos of 3 cases] Huaux JP, et al. **Ann Chir Main** 1986;5(3):249–52 (Eng. Abstr.) **(Fre)**
[Self mutilation preceding transsexualism] Scharbach H.
Ann Med Psychol (Paris) 1986 Mar;144(3):285–8 **(Fre)**
[Self-induced cutaneous ulcerative lesions. Apropos of 2 cases] Chelli A, et al. **G Ital Dermatol Venereol** 1987 Jun; 122(6):297–9 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Repeated pemoline produces self-injurious behavior in adult and weanling rats. Mueller K, et al.
Pharmacol Biochem Behav 1986 Nov;25(5):933–8
Dopamine agonist-induced stereotypic grooming and self-mutilation following striatal dopamine depletion. Hartgraves SL, et al. **Psychopharmacology (Berlin)** 1986; 90(3):358–63

COMPLICATIONS

Self-injurious and stereotypic behavior of noninstitutionalized mentally retarded people: prevalence and classification [published erratum appears in Am J Ment Defic 1987 May;91(6):619] Rojahn J. **Am J Ment Defic** 1986 Nov;91(3):268–76
Dermatitis artefacta of the paraoral region. Svirsky JA, et al. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):259–63
Tooth extraction as a form of self-mutilation in Tourette's disorder [letter] Woody RC, et al. **South Med J** 1986 Nov; 79(11):1466
[Two burned bodies with self-inflicted wounds: autopsy case reports with some discussion of death due to fire] Terazawa K, et al. **Nippon Hoigaku Zasshi** 1986 Dec;40(6):805–10 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

An alleged assault by police. Cordner S.
Am J Forensic Med Pathol 1987 Jun;8(2):139–41
Recurrent herpes simplex infection masquerading as dermatitis artefacta [letter] Tucker WF, et al.
Arch Dermatol 1987 Apr;123(4):435–6
[Simulation of an attack by self-mutilating cuts and stab wounds] Pollak S, et al. **Arch Kriminol** 1987 Mar–Apr; 179(3–4):81–93 (Eng. Abstr.) **(Ger)**
[Artefacts on the skin. 3 case reports] Sorhage B.
Fortschr Med 1987 Feb 10;105(4):59–61 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment strategies for self-injurious behavior in a large service-delivery network. Altmeyer BK, et al.
Am J Ment Defic 1987 Jan;91(4):333–40
Influence of naloxone on brain and behavior of a self-injurious woman. Sandman CA, et al.
Biol Psychiatry 1987 Jul;22(7):899–906
Control of aggressive and self-mutilative behavior in a mentally retarded patient with lithium [letter] Amin P, et al. **Can J Psychiatry** 1987 Mar;32(2):162–3
Psychopharmacology of self-injurious behavior in the mentally retarded. Farber JM.
J Am Acad Child Adolesc Psychiatry 1987 May; 26(3):296–302
Pharmacologic management of aggressivity and self-mutilation in the mentally retarded. Lapierre YD, et al. **Psychiatr Clin North Am** 1986 Dec;9(4):745–54 (91 ref.)

ETIOLOGY

Autocastration and biblical delusions in schizophrenia.

Waugh AC. **Br J Psychiatry** 1986 Nov;149:656–8

Self-injurious behaviour in people with mental handicap: a total population study. Oliver C, et al. **J Ment Defic Res** 1987 Jun;31 (Pt 2):147–62

Oral and maxillofacial complications associated with congenital sensory neuropathy with anhydrosis: report of two cases. Brahim JS, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):331–4

An investigation of the role played by the superior colliculus and ventromedial thalamus in self-injurious behavior produced by intranigral microinjection of muscimol. Baumeister AA, et al. **Pharmacol Biochem Behav** 1987 Jan; 26(1):187–9

[Bilateral and recurrent corneal multiperforations caused by self-mutilation during an epileptic crisis] Flament J, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):115–7 (Eng. Abstr.) **(Fre)**

[Axe blow injuries caused by reflex action?] Bonte W, et al. **Arch Kriminol** 1986 Sep-Oct;178(3–4):65–75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

The epidemiology of deliberate self-harm. The Ibadan experience. Odejide AO, et al. **Br J Psychiatry** 1986 Dec; 149:734–7

PATHOLOGY

The pathology of self-mutilation and destructive acts: a forensic study and review. Eckert WG. **J Forensic Sci** 1977 Jan;22(1):242–50

Not all bite marks are associated with abuse, sexual activities, or homicides: a case study of a self-inflicted bite mark. Warnick AJ, et al. **J Forensic Sci** 1987 May;32(3):788–92

[Recurrent mastitis with an unusual etiology] Umbach GE, et al. **Geburtshilfe Frauenheilkd** 1986 Oct;46(10):748–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Opioid neuronal denervation in Gilles de la Tourette syndrome. Sandyk R. **Int J Neurosci** 1987 Jul;35(1–2):95–8 (33 ref.)

Autotomy in rats after nerve section compared with nerve degeneration following intraneural injection of Ricinus communis agglutinin I. Wiesenfeld-Hallin Z, et al. **Pain** 1987 Jul;30(1):93–102

PREVENTION & CONTROL

Tourette's syndrome: management of oral complications. Lowe O. **ASDC J Dent Child** 1986 Nov–Dec;53(6):456–60

Violent and self-injurious behaviour in mentally handicapped patients—psychopharmacological control. Read SG, et al. **Int Clin Psychopharmacol** 1986 Jul;1 Suppl 1:63–74

Treatment of severe self-injurious behavior by the mentally retarded using the bubble helmet and differential reinforcement procedures. Neufeld A, et al. **J Behav Ther Exp Psychiatry** 1987 Jun;18(2):127–36

Lesch–Nyhan syndrome: report of two cases. Salman RA, et al. **J Oral Med** 1987 Jan–Mar;42(1):10–3, 66

The promise and problems of high technology. Jones ML, et al. **Ment Retard** 1987 Feb;25(1):43–4

Behavioral research in self-injury and self-stimulation. Rincover A. **Psychiatr Clin North Am** 1986 Dec; 9(4):755–66 (87 ref.)

PSYCHOLOGY

Deliberate self harm—correlates of suicidal intent and severity of depression. O'Brien G, et al. **Acta Psychiatr Scand** 1987 May;75(5):474–7

Aerophagia: an uncommon form of self-injury. Holburn CS. **Am J Ment Defic** 1986 Sep;91(2):201–3

Genital self-mutilation in males: psychodynamic anatomy of a psychosis. Fisch RZ. **Am J Psychother** 1987 Jul; 41(3):453–8

Self-mutilation and self-blame in incest victims. Shapiro S. **Am J Psychother** 1987 Jan;41(1):46–54

Self-induced subcutaneous air mimicking a gas-forming infection. Mackersie RC. **Ann Emerg Med** 1986 Nov; 15(11):1357–9

Acute management of the self-cutter. Maloney C, et al. **Arch Emerg Med** 1987 Mar;4(1):39–45

Severe self-mutilation among Kenyan psychotics. Muluka EA, et al. **Br J Psychiatry** 1986 Dec;149:778–80

Deliberate self-harm: how do patients view their treatment? Pierce D. **Br J Psychiatry** 1986 Nov;149:624–6

A case of radical facial self-mutilation. An unprecedented event and its impact. Scheftel S, et al. **Bull Menninger Clin** 1986 Nov;50(6):525–40

The self-inflicted dermatoses: a critical review. Gupta MA, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):45–52

Self-inflicted tongue ulcer: an unusual form of factitious disorder. Cristóbal MC, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):339–41

The definition, taxonomy, epidemiology, and ecology of self-injurious behavior. Schroeder SR, et al. **J Autism Dev Disord** 1980 Dec;10(4):417–32

A clinical study of 30 wrist cutters. Takeuchi T, et al. **Jpn J Psychiatry Neurol** 1986 Dec;40(4):571–81

Self-inflicted eye injury: clinical and psychodynamic aspects. Soulios C, et al. **Psychiatr J Univ Ottawa** 1986 Dec; 11(4):238–42

Self-amputation of the female breast. Coons PM, et al. **Psychosomatics** 1986 Sep;27(9):667–8

Self-destructive behavior: the slow route to suicide. Bronheim SM. **Semin Adolesc Med** 1986 Dec;2(4):279–84

[Chronic factitious disorders with physical symptoms—review of the literature] Paar GH, et al. **Psychother Psychosom Med Psychol** 1987 Jun; 37(6):197–204 (Eng. Abstr.) **(Ger)**

[Secret self mutilation, a psychosomatic disease] Plassmann R, et al. **Z Psychosom Med Psychoanal** 1986;32(4):316–36 (Eng. Abstr.) **(Ger)**

[Five male cases of wrist-cutting with suicidal intent] Okada F. **Hokkaido Igaku Zasshi** 1987 May;62(3):430–3 (Eng. Abstr.) **(Jpn)**

SURGERY

[Artefact—diagnosis and therapy from the surgical viewpoint] Herzberg G, et al. **Chirurg** 1987 Apr;58(4):265–8 (Eng. Abstr.) **(Ger)**

THERAPY

Reducing self-injurious behavior of severely retarded individuals through withdrawal of reinforcement procedures. Nunes DL, et al. **Behav Modif** 1977 Oct; 1(4):499–516

Stimulus fading and transfer in the treatment of self-restraint and self-injurious behavior. Pace GM, et al. **J Appl Behav Anal** 1986 Winter;19(4):381–9

Treating self-injury: water mist spray versus facial screening or forced arm exercise. Singh NN, et al. **J Appl Behav Anal** 1986 Winter;19(4):403–10

Comments on "editorial: Treatment abuse and its reduction" [letter] **J Autism Dev Disord** 1986 Dec;16(4):518–20

Behavior analysis of pharmacological and contingency management interventions for self-injury. Luiselli JK. **J Behav Ther Exp Psychiatry** 1986 Dec;17(4):275–84

SELF PERCEPTION see **SELF CONCEPT**

SELF STIMULATION

Stimulation and control as components of stereotyped body rocking. Buyer LS, et al. **Am J Ment Defic** 1987 Mar; 91(5):543–7

Self-stimulatory behavior and perceptual reinforcement. Lovaas I, et al. **J Appl Behav Anal** 1987 Spring;20(1):45–68

Changes in response rates and reinforcement thresholds for intracranial self-stimulation during morphine withdrawal. Schaefer GJ, et al. **Pharmacol Biochem Behav** 1986 Dec; 25(6):1263–9

Handling facilitates the acquisition of lever-pressing for brain self-stimulation in the posterior hypothalamus of rats. West CH, et al. **Physiol Behav** 1987;39(1):77–81

Behavioral research in self-injury and self-stimulation. Rincover A. **Psychiatr Clin North Am** 1986 Dec; 9(4):755–66 (87 ref.)

DRUG EFFECTS

Ethanol and current thresholds for brain self-stimulation in the lateral hypothalamus of the rat. Schaefer GJ, et al. **Alcohol** 1987 May–Jun;4(3):209–13

Microinjection of oxytocin into limbic–mesolimbic brain structures disrupts heroin self-administration behavior: a receptor-mediated event? Ibragimov R, et al. **Life Sci** 1987 Sep 7;41(10):1265–71

Drug combinations in pleasure and pain. Kornetsky C. **Natl Inst Drug Abuse Res Monogr Ser** 1986;68:181–92

Effects of acute nicotine and ethanol on medial prefrontal cortex self-stimulation in rats. Arregui-Aguirre A, et al. **Pharmacol Biochem Behav** 1987 May;27(1):15–20

Effects of nalbuphine alone and in combination with tripelennamine on rewarding brain stimulation thresholds in the rat. Unterwald EM, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):629–32

Pharmacological effects of morphine on brain-stimulation reward [letter] Izenwasser SE, et al. **Psychopharmacology (Berlin)** 1987;93(1):136–7

[Changes in the duration of pauses between self-stimulations in response to cortisol] Belyi VP. **Fiziol Zh SSSR** 1987 Mar;73(3):347–52 (Eng. Abstr.) **(Rus)**

[Oligopeptides in the organization of behavior based on self-stimulation of the brain] Sudakov KV. **Vestn Akad Med Nauk SSSR** 1987;(6):6–10 **(Rus)**

INSTRUMENTATION

Designing of a brain stimulator suitable for intracranial self-stimulation experiments for studying the brain-stimulation reward system. Ramakrishna R, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):245–9

PHYSIOLOGY

The hazards of carotid sinus self-stimulation [letter] Bozzuto TM. **Ann Emerg Med** 1987 Jan;16(1):135–6

Evaluation of stressor effects on intracranial self-stimulation from the nucleus accumbens and the substantia nigra in a current intensity paradigm. Bowers WJ, et al. **Behav Brain Res** 1987 Jan;23(1):85–93

An examination of parkinsonian versus anhedonia contributions to self-stimulation impairments induced by dopamine dysfunction. Carey RJ. **Behav Brain Res** 1986 Nov;22(2):117–25

Self-stimulation behavior can be elicited from various 'aversive' brain structures. Cazala P. **Behav Brain Res** 1986 Nov;22(2):163–71

Refractoriness of neurons mediating intracranial self-stimulation in the anterior basal forebrain. Fouriezos G, et al. **Behav Brain Res** 1987 Apr;24(1):73–80

The role of the dopaminergic projections in MFB self-stimulation. Gallistel CR. **Behav Brain Res** 1986 Nov; 22(2):97–105

Subtelencephalic locale of reinforcement and learning: looking for the minimal necessary structures. Huston JP, et al. **Behav Brain Res** 1986 Nov;22(2):153–61

Approach and escape responses to mesencephalic central gray stimulation in rats: effects of morphine and naloxone. Ichitani Y, et al. **Behav Brain Res** 1986 Oct;22(1):63–73

Neurotransmitters, pathways and circuits as the neural substrates of self-stimulation of the prefrontal cortex: facts and speculations. Mora F, et al. **Behav Brain Res** 1986 Nov; 22(2):127–40 (116 ref.)

The role of corticocortical projections in self-stimulation of the prelimbic and sulcal prefrontal cortex in rats. Robertson A, et al. **Behav Brain Res** 1986 Aug;21(2):129–42

Behavioral determination of refractory periods of the brainstem substrates of self-stimulation. Rompré PP, et al. **Behav Brain Res** 1987 Mar;23(3):205–19

Self-training for brain stimulation in the medial forebrain bundle of rats: a comparison of saline with amphetamine. Schaefer GJ, et al. **Behav Brain Res** 1987 Jun;24(3):215–20

The role of intrinsic neurons in lateral hypothalamic self-stimulation. Velley L. **Behav Brain Res** 1986 Nov; 22(2):141–52

Fitting intracranial self-stimulation data with growth models. Coulombe D, et al. **Behav Neurosci** 1987 Apr;101(2):209–14

Anatomical dissociation of the substrates of medial forebrain bundle self-stimulation and exploration. Durivage A, et al. **Behav Neurosci** 1987 Feb;101(1):57–61

Does the perception of reward magnitude of self-administered electrical brain stimulation have a circadian rhythm? Yanovski JA, et al. **Behav Neurosci** 1986 Dec;100(6):888–93

Behaviorally measured refractory periods are lengthened by reducing electrode tip exposure or raising current. Yeomans J, et al. **Behav Neurosci** 1985 Oct;99(5):913–28

Opposite effects of unilateral forebrain ablations on ipsilateral and contralateral hypothalamic self-stimulation. Colle LM, et al. **Brain Res** 1987 Mar 31;407(2):285–93

Increased in vivo tyrosine hydroxylase activity in rat telencephalon produced by self-stimulation of the ventral tegmental area. Phillips AG, et al. **Brain Res** 1987 Jan 27; 402(1):109–16

Compulsive thalamic self-stimulation: a case with metabolic, electrophysiologic and behavioral correlates. Portenoy RK, et al. **Pain** 1986 Dec;27(3):277–90

Quantitative determination of the effects of catecholaminergic agonists and antagonists on the rewarding efficacy of brain stimulation. Gallistel CR, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):731–41

[Relation between the dynamics of the extinction process and the initial rate of hypothalamic self-stimulation in the rabbit] Belyi VP, et al. **Zh Vyssh Nerv Deiat** 1986 Jul–Aug; 36(4):665–70 (Eng. Abstr.) **(Rus)**

[Neuronal activity in self-stimulation zones of the hypothalamus in motivational and emotional states induced by electrical and natural stimuli] Mikhallova NG, et al. **Zh Vyssh Nerv Deiat** 1986 Sep–Oct;36(5):939–46 (Eng. Abstr.) **(Rus)**

SELLA TURCICA

see related

EMPTY SELLA SYNDROME

Follicular tumor in the sellar region without primary cancer of the thyroid. Heterotopic carcinoma? Ruchti C, et al. **Am J Clin Pathol** 1987 Jun;87(6):776–80

Secondary malignancies involving parasellar region: clinical manifestations, diagnosis and management in 16 patients. Bitoh S, et al. **Med J Osaka Univ** 1985 Sep;36(1–2):17–27

Transient intrasellar collection of air during bromocriptine treatment of a prolactinoma. Fagel WJ, et al. **Neuroradiology** 1986;28(4):364–6

Infectious disease in the sella turcica. Berger SA, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):747–55 (141 ref.)

Intrasellar arachnoid cysts. Meyer FB, et al. **Surg Neurol** 1987 Aug;28(2):105–10

[Intrasellar plasmacytoma simulating a pituitary adenoma (letter)] Estopiñán V, et al. **Med Clin (Barc)** 1987 Jun 13; 89(3):128 **(Spa)**

ANATOMY & HISTOLOGY

Microsurgical anatomy of the pituitary gland and the sellar region. 1. The pituitary gland. Ouaknine GE, et al. **Am Surg** 1987 May;53(5):285–90

Microsurgical anatomy of the pituitary gland and the sellar region. 2. The bony structures. Ouaknine GE, et al. **Am Surg** 1987 May;53(5):291–7

Associations between the postural orientation of sella–nasion and skeletodental morphology. Showfety KJ, et al. **Angle Orthod** 1987 Apr;57(2):99–112

Some anatomical data related to the transnaso-sphenoidal resection of pituitary fossa tumors. Lin SZ, et al. **Chin Med J [Engl]** 1986 Jul;99(7):602–3

MRI anatomy of the sellar region. Crouzet G, et al. **J Neuroradiol** 1986;13(2):73–86 **(Eng, Fre)**

INJURIES

Diplopia and diabetes insipidus secondary to type II fracture of the sella turcica: case report. Leramo OB, et al. **Can J Surg** 1987 Jan;30(1):53–4

[Fracture of the floor of the anterior cranial fossa and the sella turcica, and successful repair of the cerebrospinal fluid fistula with fibrin glue. Case report] Suzuki R, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):420–5 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Sellar lesions associated with isolated hyperprolactinaemia. Morphological, immunocytochemical, hormonal and clinical results. Riedel M, et al. **Acta Endocrinol (Copenh)** 1986 Oct;113(2):196–203

Parasellar chondromyxofibroma with ipsilateral total internal carotid artery occlusion. Viswanathan R, et al. **Surg Neurol** 1987 Aug;28(2):141–4

[Chondroid chordoma with parasellar extension. Case report] Kawamura S, et al. **Neurol Med Chir (Tokyo)** 1987 Mar; 27(3):218–23 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Hyperprolactinemia, intrasellar pituitary tissue pressure, and the pituitary stalk compression syndrome. Lees PD, et al. **J Neurosurg** 1987 Aug;67(2):192–6

RADIOGRAPHY

Radiologic analysis of 540 normal Chinese sella turcica. Chen JK, et al. **Chin Med J [Engl]** 1986 Jun;99(6):479–84

Nomifensine test does not differentiate hyperprolactinemia associated with and without radiologic abnormalities in the sella turcica. Canales ES, et al. **Horm Res** 1981;15(4):213–7

Three-dimensional computed tomographic reformations of sellar and para-sellar lesions. Gillespie JE, et al. **Neuroradiology** 1987;29(1):30–5

Value of computed tomographic scanning in patients with growth hormone deficiency. Smith SP, et al. **Pediatrics** 1986 Oct;78(4):601–5

MRI and CT of sellar and parasellar disorders. Naheedy MH, et al. **Radiol Clin North Am** 1987 Jul;25(4):819–47 (84 ref.)

SURGERY

An useful accessory device for nasal speculum utilized in the trans-sphenoidal approach to the sella turcica. Technical note. Marra A, et al. **J Neurosurg Sci** 1987 Jan–Mar;31(1):41–2

Osteoplastic opening of the sellar floor in transsphenoidal surgery: technical note. de Divitiis E, et al. **Neurosurgery** 1987 Mar;20(3):445–6

Parasellar and optic nerve lesions: the neurosurgeon's perspective. Jafar JJ, et al. **Radiol Clin North Am** 1987 Jul; 25(4):877–92

SEMANTIC DIFFERENTIAL

[Empirical assessment of alexithymia using the semantic differential] Zepf S, et al. **Psychother Psychosom Med Psychol** 1987 Jan;37(1):15–22 (Eng. Abstr.) **(Ger)**

SEMANTICS

Missing words and the comprehension of spoken text. Cooper WE, et al. **Acta Psychol (Amst)** 1987 Jun;65(1):13–24

Interference with face naming. Young AW, et al. **Acta Psychol (Amst)** 1987 Jan;64(1):93–100

When adolescents write: semiotic and social dimensions of adolescents' personal writing. Litowitz BE, et al. **Adolesc Psychiatry** 1987;14:82–111

Word recognition versus sentence comprehension on a speechreading task. Dancer JE, et al. **Am Ann Deaf** 1987 Mar;132(1):43–5

Code switching in deaf adults. Hoffmeister R, et al. **Am Ann Deaf** 1987 Mar;132(1):31–4

Cognitive effort and the word frequency effect in recognition and lexical decision. Mutter SA, et al. **Am J Psychol** 1987 Spring;100(1):93–116

Hispanic/Latino—what's in a name? [editorial] Yankauer A. **Am J Public Health** 1987 Jan;77(1):15–7

Differential effects of imaginal and motor encoding on the recall of action phrases. Engelkamp J, et al. **Arch Psychol (Frankf)** 1986;138(4):261–72

Schizophrenia: a failure to control the contents of consciousness? Bullen JG, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):25–33

Perception of emotionally valenced information in depression. MacLeod C, et al. **Br J Clin Psychol** 1987 Feb; 26 (Pt 1):67–8

Individual differences in negative priming: relations with schizotypal personality traits. Beech A, et al. **Br J Psychol** 1987 Aug;78 (Pt 3):349–56

Foveal and parafoveal processing of asynchronous Stroop stimuli. Long GM, et al. **Br J Psychol** 1987 May;78 (Pt 2):151–62

Absence of exposure time influence on lateralized face recognition and object naming latency tasks. Diehl JA, et al. **Brain Cogn** 1987 Jul;6(3):347–59

Lexical retrieval in left and right brain lesioned children. Aram DM, et al. **Brain Lang** 1987 May;31(1):61–87

Semantic priming with abstract and concrete words: differential asymmetry may be postlexical. Chiarello C, et al. **Brain Lang** 1987 May;31(1):43–60

Right hemisphere language processing: lateral difference with imageable and nonimageable ambiguous words. Deloche G, et al. **Brain Lang** 1987 Mar;30(2):197–205

Paragrammatic speech without a comprehension deficit? A case report. Eling P, et al. **Brain Lang** 1987 May;31(1):36–42

The neurological substrates for prosodic aspects of speech. Emmorey KD. **Brain Lang** 1987 Mar;30(2):305–20

Separate verbal memory and naming deficits in attention deficit disorder and reading disability. Felton RH, et al. **Brain Lang** 1987 May;31(1):171–84

Aphasic performance on a lexical decision task: multiple meanings and word frequency. Gerratt BR, et al. **Brain Lang** 1987 Jan;30(1):106–15

Organization of and access to semantic memory in aphasia. Koemeda-Lutz M, et al. **Brain Lang** 1987 Mar;30(2):321–37

Recall of anomalous sentences in dementia and amnesia. Kopelman MD. **Brain Lang** 1986 Sep;29(1):154–70

Aphasics' appreciation of hierarchical semantic categories. Kudo T. **Brain Lang** 1987 Jan;30(1):33–51

Making reference: the cohesive use of pronouns in the narrative discourse of hemidecorticate adolescents. Lovett MW, et al. **Brain Lang** 1986 Nov;29(2):224–51

Processing of lexical ambiguities in aphasia. Milberg W, et al. **Brain Lang** 1987 May;31(1):138–50

Hemispheric alpha asymmetries and behavioral responses of aphasic and normal subjects for the recall and recognition of active, passive, and negative sentences. Moore WH Jr. **Brain Lang** 1986 Nov;29(2):286–300

"Prepairs" and repairs: different monitoring functions in aphasic language production. Schlenck KJ, et al. **Brain Lang** 1987 Mar;30(2):226–44

Visual field asymmetries for rhyme and syntactic category judgments in monolinguals and fluent early and late bilinguals. Vaid J. **Brain Lang** 1987 Mar;30(2):263–77

Lateralization of lexical codes in auditory word recognition. Zecker SG, et al. **Brain Lang** 1986 Nov;29(2):372–89

Action language in the psychological test report. Harty MK. **Bull Menninger Clin** 1986 Sep;50(5):456–63

Developmental changes in analogies used to describe parts of the body: implications for communicating with sick children. Eiser C, et al. **Child Care Health Dev** 1986 Sep–Oct;12(5):277–85

Transcoding sound to spelling: single or multiple sound unit correspondence? Baxter DM, et al. **Cortex** 1987 Mar; 23(1):11–28

Patterns of dysgraphia and the nonlexical spelling process. Goodman-Schulman R, et al. **Cortex** 1987 Mar;23(1):143–8

The use of language structure by demented patients in a visual search task. Nebes RD, et al. **Cortex** 1987 Mar;23(1):87–98

Vocal reaction times to unilaterally presented concrete and abstract words: towards a theory of differential right hemispheric semantic processing. Rastatter M, et al. **Cortex** 1987 Mar;23(1):135–42

Adult age differences in visual word recognition: semantic encoding and episodic retention. Madden DJ. **Exp Aging Res** 1986 Summer;12(2):71–8

On the source and development of metaphorical language in the history of Western medicine. Rather LJ. **Henry E Sigerist Suppl Bull Hist Med** 1982;(6):135–56

Visual word perception and semantic processing: an electrophysiological perspective. Bentin S. **Isr J Med Sci** 1987 Jan–Feb;23(1–2):138–44

Psychosemantics. Masserman JH. **J Am Acad Psychoanal** 1987 Apr;15(2):125–31

Identity formation as reflected in the acquisition of person pronouns. Sharpless EA. **J Am Psychoanal Assoc** 1985; 33(4):861–85

Cross-sectional studies of grammatical morphemes in autistic and mentally retarded children. Bartolucci G, et al. **J Autism Dev Disord** 1980 Mar;10(1):39–50

Developmental language disorders: cognitive processes, semantics, pragmatics, phonology, and syntax. Cromer RF. **J Autism Dev Disord** 1981 Mar;11(1):57–74

Conversations with autistic children: contingent relationships between features of adult input and children's response adequacy. Curcio F, et al. **J Autism Dev Disord** 1987 Mar; 17(1):81–93

Reward value of prosodic features of language for autistic, mentally retarded, and normal children. Frankel F, et al. **J Autism Dev Disord** 1987 Mar;17(1):103–13

Linguistic pragmatics and language intervention strategies. Seibert JM, et al. **J Autism Dev Disord** 1981 Mar; 11(1):75–88

Some perspectives on intervention strategies for persons with developmental disorders. Yoder DE, et al. **J Autism Dev Disord** 1981 Mar;11(1):107–23

Biasing of alcoholic Korsakoff patients' semantic memory. Cermak LS, et al. **J Clin Exp Neuropsychol** 1986 Oct; 8(5):543–55

Representation of semantic and spatial knowledge in Alzheimer's patients: implications for models of preserved learning in amnesia. Martin A. **J Clin Exp Neuropsychol** 1987 Apr;9(2):191–224

Semantic (verbal) and figural memory impairment in alcoholics. Nixon SJ, et al. **J Clin Exp Neuropsychol** 1987 Aug;9(4):311–22

The instantiation of general terms by deaf adolescents/adults. Strassman BK, et al. **J Commun Disord** 1987 Feb;20(1):1–13

Intraverbal acquisition of semantic concepts by preschoolers. DeBaryshe BD, et al. **J Exp Child Psychol** 1986 Oct; 42(2):169–86

Common and distinctive features of verbal and pictorial stimuli as determinants of psychophysiological responsivity. Ben-Shakhar G, et al. **J Exp Psychol [Gen]** 1987 Jun;116(2):91–105

Resolving 20 years of inconsistent interactions between lexical familiarity and orthography, concreteness, and polysemy. Gernsbacher MA. **J Exp Psychol [Gen]** 1984 Jun;113(2):256–81

Characterizing attentional resources. Hirst W, et al. **J Exp Psychol [Gen]** 1987 Mar;116(1):68–81

Structure and process in semantic memory: new evidence based on speed-accuracy decomposition. Kounios J, et al. **J Exp Psychol [Gen]** 1987 Mar;116(1):3–25

Objects, parts, and categories. Tversky B, et al. **J Exp Psychol [Gen]** 1984 Jun;113(2):169–97

Semantic priming in young and older adults: evidence for age constancy in automatic and attentional processes. Burke DM, et al. **J Exp Psychol [Hum Percept]** 1987 Feb; 13(1):79–88

Interactive use of lexical information in speech perception. Connine CM, et al. **J Exp Psychol [Hum Percept]** 1987 May;13(2):291–9

Strategies for visual word recognition and orthographical depth: a multilingual comparison. Frost R, et al. **J Exp Psychol [Hum Percept]** 1987 Feb;13(1):104–15

On obtaining episodic priming in a lexical decision task following paired-associate learning. Durgunoğlu AY, et al. **J Exp Psychol [Learn Mem Cogn]** 1987 Apr;13(2):206–22

Memory as a function of attention, level of processing, and automatization. Fisk AD, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Apr;10(2):181–97

Automatic activation of episodic information in a semantic memory task. McKoon G, et al. **J Exp Psychol [Learn Mem Cogn]** 1986 Jan;12(1):108–15

Processing category terms in context: instantiation and the structure of semantic categories. Whitney P, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan;10(1):95–103

Comfort and medical care. Barnard D. **J Fam Pract** 1986 Nov;23(5):495–6

Words created by children versus aphasic adults: an analysis of their form and communicative effectiveness. Liederman J, et al. **J Genet Psychol** 1986 Sep;147(3):379–93

Cautiousness and visual selective attention performance among older adults. Rush MC, et al. **J Genet Psychol** 1987 Jun;148(2):225–35

The aprosodias: further functional-anatomical evidence for the organisation of affective language in the right hemisphere. Gorelick PB, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):553–60

Emotion knowledge: further exploration of a prototype approach. Shaver P, et al. **J Pers Soc Psychol** 1987 Jun; 52(6):1061–86

Syntactic, semantic, and rhythmic influences on children's and adults' motor programming of speech. Abbeduto L. **J Psycholinguist Res** 1987 May;16(3):201–21

Detection of missing words in spoken text. Cooper WE, et al. **J Psycholinguist Res** 1987 May;16(3):233–40

Acquisition of semantic role by language-disordered children: differences between production and comprehension. Connell PJ. **J Speech Hear Res** 1986 Sep; 29(3):366–74

Comprehension of emotional prosody following unilateral hemispheric lesions: processing defect versus distraction defect. Bowers D, et al. **Neuropsychologia** 1987; 25(2):317–28

Qualitatively different organizational structures of lexical knowledge in the left and right hemisphere. Drews E. **Neuropsychologia** 1987;25(2):419–27

Episodic, semantic and procedural memory in a case of amnesia at an early age. Ostergaard AL. **Neuropsychologia** 1987;25(2):341–57

Verbal memory and semantic clustering in right brain-damaged patients. Villardita C. **Neuropsychologia** 1987;25(1B):277–80

Semantic descriptors of pain. Tamburini M, et al. **Pain** 1987 May;29(2):187–93

A pronounced cognitive style improves interhemispheric integration: by hemispheric differentiation or by hemispheric similarity? Berger JM, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):947–54

Identification thresholds of nonsense syllables by stutterers. Fukawa T, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):592–4

A method for examining gestural language structure. Hass EJ, et al. **Percept Mot Skills** 1987 Apr;64(2):391–7

Heart-rate indices of hemispheric asymmetry in a discrete-trials Stroop-paradigm. Hugdahl K, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 2):1203–11

The basis of Stroop interference involving the multimodal correlates of auditory pitch. Walker P, et al. **Perception** 1986;15(4):491–6

Linguistic devices in metaliteral dreams. Arenson K. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):82–6

Dream and metaphor. Jones RM. **Psychiatr J Univ Ottawa** 1987 Jun;12(2):87–92

Type and number of violations and the grammatical congruency effect in lexical decision. Lukatela G, et al.

Psychol Res 1987;49(1):37–43
ERPs to laterally presented pictures and words in a semantic categorization task. Kok A, et al. **Psychophysiology** 1986 Nov;23(6):672–83
Short-term storage and the processing of cohesion during reading. Fischer B, et al. **Q J Exp Psychol [A]** 1986 Aug; 38(3):431–60
Semantic barriers to family and professional collaboration. Hatfield AB. **Schizophr Bull** 1986;12(3):325–36
Appropriateness of the use of the term sacrifice in experimental animal studies [letter] Miller JR. **Teratology** 1986 Dec;34(3):363–5
[Understanding the text in uncertainty] Kock H. **Arch Psychol (Frankf)** 1986;138(3):153–83 (Eng. Abstr.) **(Ger)**
[Memory code for verbally and film-presented action sequences] Riff B, et al. **Arch Psychol (Frankf)** 1986; 138(3):185–99 (Eng. Abstr.) **(Ger)**
[Text, transference and deixis] Crapanzano V. **Psyche (Stuttg)** 1987 May;41(5):385–410 **(Ger)**
[Processing structural characteristics of visual stimuli—verbalization as a means of elaboration] Ulrich M, et al. **Z Exp Angew Psychol** 1987;34(3):474–95 (Eng. Abstr.) **(Ger)**
[Effect of variable significance identification on the P300 components of the event-related brain potential] Neumann U, et al. **Z Psychol** 1986;194(3):377–86 (Eng. Abstr.) **(Ger)**

SEMEN

see related

SPERMATOZOA

Changes in seminal quality following varicocelectomy in infertile Nigerian males. Senbanjo RO, et al. **Afr J Med Med Sci** 1986 Sep–Oct;15(3–4):63–71
Semen evaluation following preparation for in vitro fertilization of human oocytes. Tarlatzis BC, et al. **Arch Androl** 1986;17(3):215–22
Heterotrophic calcification as a cause of haemospermia. Sinokrot JR, et al. **Br J Urol** 1987 Apr;59(4):359–60
Schofield memorial lecture. Bull semen and muscle ATP: some evidence of the dawn of medical science in ancient Egypt. Schwabe CW. **Can J Vet Res** 1986 Apr;50(2):145–53
Psychosocial issues associated with being a semen donor. Daniels KR. **Clin Reprod Fertil** 1986 Oct;4(5):341–51
A modified phantom (dummy mount) for stallion semen collection. Volkmann DH. **Equine Vet J** 1987 Jul; 19(4):339–41
A practical device for collecting human ejaculate. Jondet M, et al. **Fertil Steril** 1987 Aug;48(2):340–1
Induction of fertility in a man with hypogonadotropic hypogonadism with very low seminal volume. Tulandi T, et al. **Fertil Steril** 1986 Oct;46(4):730–3
Ejaculate characteristics of sheep infected with Trypanosoma brucei and T vivax: changes caused by treatment with diminazene aceturate. Akpavie SO, et al. **Res Vet Sci** 1987 Jan;42(1):1–6
[Hemospermia and hypertension] Iversen PS. **Ugeskr Laeger** 1987 Feb 23;149(9):596 (Eng. Abstr.) **(Dan)**

ANALYSIS

Prolactin (PRL) inhibiting substance in seminal plasma of infertile patients. Preliminary results. Gattuccio F, et al. **Acta Eur Fertil** 1986 May–Jun;17(3):207–11
Luminometric measurement of ATP concentrations in human semen. Gerris J, et al. **Acta Eur Fertil** 1987 Jan–Feb; 18(1):25–8
Concentrations of carnitine in the seminal fluid of normospermic, vasectomized, and castrated dogs. Olson PN, et al. **Am J Vet Res** 1987 Aug;48(8):1211–5
Pathophysiology of small testes in beef bulls: relationship between scrotal circumference, histopathologic features of testes and epididymides, seminal characteristics, and endocrine profiles. Veeramachaneni DN, et al. **Am J Vet Res** 1986 Sep;47(9):1988–99
The effect of kallikrein on spermatozoal ATP and other semen parameters. Berzin M, et al. **Andrologia** 1987 Jun; 19 Spec No:273–7
Calcitonin in human seminal plasma and its localization on human spermatozoa. Foresta C, et al. **Andrologia** 1986 Sep–Oct;18(5):470–3
Determination of total protein in human seminal plasma. Hernvann A, et al. **Andrologia** 1987 Jun;19 Spec No:233–7
Amino acid content of human semen in normal and infertility cases. Hernvann A, et al. **Andrologia** 1986 Sep–Oct; 18(5):461–9
Inhibin. Li CH, et al. **Annu Rev Pharmacol Toxicol** 1987; 27:1–21 (90 ref.)
Copper in seminal plasma: comparison of two processing methods for atomic absorption spectrophotometry. Skandhan KP. **Arch Androl** 1986;16(3):243–5
Seminal plasma levels of luteinizing hormone, prolactin and testosterone in the evaluation of male infertility. Tang LC, et al. **Asia Oceania J Obstet Gynaecol** 1986 Jun;12(2):275–83
Identification of insulin-like growth factor–II in human seminal and follicular fluids. Ramasharma K, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):536–42
Purification and biochemical characterization of three major acidic proteins (BSP–A1, BSP–A2 and BSP–A3) from bovine seminal plasma. Manjunath P, et al. **Biochem J** 1987 Feb 1;241(3):685–92
Complete amino acid sequence of BSP–A3 from bovine seminal plasma. Homology to PDC–109 and to the collagen–binding domain of fibronectin. Seidah NG, et al. **Biochem J** 1987 Apr 1;243(1):195–203
Purification and partial chemical characterization of a glycoprotein with antifertility activity from human seminal plasma. Audhya T, et al. **Biol Reprod** 1987 Mar; 36(2):511–21
Characterization of a monoclonal antibody to a conserved epitope on human seminal vesicle-specific peptides: a novel probe/marker system for semen identification. Herr JC, et al. **Biol Reprod** 1986 Oct;35(3):773–84
Phthalate esters and semen quality parameters. Murature DA, et al. **Biomed Environ Mass Spectrom** 1987 Aug;14(8):473–7
High-performance liquid chromatographic separation and partial characterization of human protamines 1, 2, and 3. Balhorn R, et al. **Biotechnol Appl Biochem** 1987 Feb; 9(1):82–8
Interpretation of semen analysis among infertile couples. Small DR, et al. **Can Med Assoc J** 1987 Apr 15; 136(8):829–33
Seminal plasma composition in budgerigars (Melopsittacus undulatus). Samour JH, et al. **Comp Biochem Physiol [A]** 1986;84(4):735–8
Semen features of 596 truly infertile men. Osegbe DN, et al. **Eur Urol** 1987;13(3):169–73
Calcitonin– and katacalcin–like immunoreactivity in human seminal plasma. Maier U, et al. **Exp Clin Endocrinol** 1986 Nov;88(1):89–94
Human semen relaxin and its correlation with the parameters of semen analysis. Brenner SH, et al. **Fertil Steril** 1987 Apr; 47(4):714–6
Simultaneous measurement of seminal L–carnitine, alpha,1–4–glucosidase, and glycerylphosphorylcholine in azoospermic and oligozoospermic patients. Casano R, et al. **Fertil Steril** 1987 Feb;47(2):324–8
Correlation between semen adenosine triphosphate and sperm fertilizing capacity. Chan SY, et al. **Fertil Steril** 1987 Apr; 47(4):717–9
Effect of tobacco consumption on semen quality of a population of hypofertile males. Dikshit RK, et al. **Fertil Steril** 1987 Aug;48(2):334–6
Adenosine triphosphate in human semen: a study on conditions for a bioluminescence assay. Gottlieb C, et al. **Fertil Steril** 1987 Jun;47(6):992–9
Computerized semen analysis: objective measurement of semen characteristics is biased by subjective parameter setting. Knuth UA, et al. **Fertil Steril** 1987 Jul;48(1):118–24
Correlation between spermatozoon numbers in spermiogram and seminiferous epithelium histology in testicular biopsies from subfertile men. Nistal M, et al. **Fertil Steril** 1987 Sep; 48(3):507–9
Semen parameters and fertilization of human oocytes in vitro: a multivariable analysis. Talbert LM, et al. **Fertil Steril** 1987 Aug;48(2):270–7
Buffering substances of human semen. Wolters–Everhardt E, et al. **Fertil Steril** 1987 Jul;48(1):159–61
The application of a simple RIA technique for the detection of 19–OH F1 alpha/F2 alpha prostaglandin, a specific semen marker, in semen contaminated vaginal swabs: time since intercourse studies. Sutton JG, et al. **Forensic Sci Int** 1987 May–Jun;34(1–2):143–53
Evaluation of the 190H analogues of prostaglandins E1, E2, F1 alpha and F2 alpha as specific markers for the identification of human semen in body fluid mixtures. Sutton JG, et al. **Forensic Sci Int** 1987 Feb;33(2):103–16
Immunosuppressant material in human seminal fluid. Inhibition of blast transformation and of NK activity by seminal fluid patients of a male infertility clinic. Marcus ZH, et al. **Gynecol Obstet Invest** 1987;23(1):54–9
Epidermal growth factor in human seminal plasma. Hirata Y, et al. **Horm Metab Res** 1987 Jan;19(1):35–7
Improvement of sperm quality in abnormal semen samples using a modified swim–up procedure. Andolz P, et al. **Hum Reprod** 1987 Feb;2(2):99–101
Standardization and quality control of sperm concentration and sperm motility counts in semen analysis. Mortimer D, et al. **Hum Reprod** 1986 Aug;1(5):299–303
Selenium in reproductive organs, seminal fluid and serum of men and bulls. Saaranen M, et al. **Hum Reprod** 1986 Feb;1(2):61–4
Ofloxacin: concentration in human ejaculate and influence on sperm motility. Schramm P. **Infection** 1986;14 Suppl 4:S274–5
Immunoassayable somatomedin C in seminal plasma of azoospermic men. Barni T, et al. **Int J Androl** 1987 Apr; 10(2):457–62
Concentration of prostaglandins in seminal fluid of fertile men. Bendvold E, et al. **Int J Androl** 1987 Apr;10(2):463–9
Large forms of immunoreactive calcitonin in human seminal fluid exhibit PDN–21 immunoreactivity. Bucht E, et al. **Int J Androl** 1986 Oct;9(5):341–7
Evaluation of a commercially available kit for the colorimetric determination of zinc in human seminal plasma. Johnsen O, et al. **Int J Androl** 1987 Apr; 10(2):435–40
Stimulation of ornithine decarboxylase in the rat prostate by seminal plasma inhibin. Natraj U, et al. **Int J Androl** 1986 Jun;9(3):218–28
Ejaculate composition after masturbation and coitus in the human male. Purvis K, et al. **Int J Androl** 1986 Dec; 9(6):401–6
A simple and sensitive solid–phase radioimmunoassay for measuring the transferrin content of human biological fluids: its application to seminal plasma. Khalfoun B, et al. **Int J Biochem** 1986;18(12):1135–9
Seminal fluid androgen levels in infertile patients. Facchinetti F, et al. **Int J Fertil** 1987 Mar–Apr;32(2):157–61
Studies on the constancy of transudated and locally produced proteins in human seminal plasma. Lizana J, et al. **Int J Fertil** 1987 Jan–Feb;32(1):71–6
Total and free testosterone and estradiol in human semen. Singer R, et al. **Int J Fertil** 1987 Mar–Apr;32(2):145–8
Isolation from human seminal plasma of an abundant 16–kDa protein originating from the prostate, its identification with a 94–residue peptide originally described as beta–inhibin. Dubé JY, et al. **J Androl** 1987 May–Jun;8(3):182–9
Relationship of human sperm acrosin and proacrosin to semen parameters. II. Correlations. Goodpasture JC, et al. **J Androl** 1987 Jul–Aug;8(4):267–71
Same day appearance of orally administered, spermicidal 1–substituted imidazoles in dog ejaculates. Goodpasture JC, et al. **J Androl** 1987 Jul–Aug;8(4):230–7
Comparison of a direct and indirect ELISA for quantitating antisperm antibody in semen. Lynch DM, et al. **J Androl** 1987 Jul–Aug;8(4):215–20
Direct analysis of the major human seminal prostaglandins by thermospray high–performance liquid chromatography–mass spectrometry. Abián J, et al. **J Chromatogr** 1987 May 8;394(1):147–53
Fluorimetric high–performance liquid chromatography of prostaglandins and its application to their determination in human seminal fluid. Yamaguchi M, et al. **J Chromatogr** 1986 Aug 2;380(2):257–65
Sperm in poor quality semen from bulls during heat stress have a lower affinity for binding hydrogen–3 heparin. Ax RL, et al. **J Dairy Sci** 1987 Jan;70(1):195–200
Use of linear semen quality score for classification and decision making in evaluation of individual ejaculates of Holstein bulls. Chandler JE, et al. **J Dairy Sci** 1987 May; 70(5):1036–44
Environmental and genetic sources of variation for seminal quality in mature Holstein bulls. Chandler JE, et al. **J Dairy Sci** 1985 May;68(5):1270–9
Effect of serum sources and colostral whey on bovine semen quality and spermatozoa immunoglobulin G immunofluorescence. Jimenez DA, et al. **J Dairy Sci** 1986 Oct;69(10):2704–10
Comparison of laser and ultraviolet techniques used in the detection of body secretions. Auvdel MJ. **J Forensic Sci** 1987 Mar;32(2):326–45
Presumptive screening of suspected semen stain in situ using cotton swabs and bromochloroindolyl phosphate to detect prostatic acid phosphatase activity. Baechtel FS, et al. **J Forensic Sci** 1987 Jul;32(4):880–7
An enzyme–linked immunosorbent assay (ELISA) for human semen identification based on a biotinylated monoclonal antibody to a seminal vesicle–specific antigen. Herr JC, et al. **J Forensic Sci** 1987 Mar;32(2):346–56
An evaluation of an enzymatic choline determination for the identification of semen in casework samples. Noppinger K, et al. **J Forensic Sci** 1987 Jul;32(4):1069–74
Immunochemical detection, physicochemical characterization and levels of pregnancy–associated endometrial alpha 2–globulin (alpha 2–PEG) in seminal plasma of men. Bell SC, et al. **J Reprod Fertil** 1987 May; 80(1):31–42
Absence of prostaglandins in semen of men with cystic fibrosis is an indication of the contribution of the seminal vesicles. Bendvold E, et al. **J Reprod Fertil** 1986 Sep; 78(1):311–4
Pattern of neutral and phospholipids in the semen of normospermic, oligospermic and azoospermic men. Sebastian SM, et al. **J Reprod Fertil** 1987 Mar;79(2):373–8
Oxytetracycline concentrations in plasma and semen of rams. Immelman A, et al. **J S Afr Vet Assoc** 1986 Jun;57(2):103–4
Vasectomy and vasovasostomy have no effect on seminal plasma zinc concentrations. Parrish RF, et al. **J Urol** 1987 Feb;137(2):228–9
Availability of decapacitation factor for the detection of semen. Aoki F, et al. **Nippon Hoigaku Zasshi** 1986 Dec; 40(6):782–7
Semen quality and fat accumulation in prepuberal and postpuberal male turkeys as affected by restricted feeding. Hulet RM, et al. **Poult Sci** 1986 Oct;65(10):1972–6
Seminal plasma zinc levels in fertile and infertile men [letter] Mbizvo MT, et al. **S Afr Med J** 1987 Feb 21;71(4):266–7
Male reproductive hazards. Whorton MD. **State Art Rev Occup Med** 1986 Jul–Sep;1(3):375–9 (10 ref.)
Cyclophosphamide in the seminal fluid of males, its transmission to females by mating, and its effects on pregnancy outcome [letter] Rao KS, et al. **Toxicol Appl Pharmacol** 1987 Mar 30;88(1):153–5
Semen analysis. Overstreet JW, et al. **Urol Clin North Am** 1987 Aug;14(3):441–9
Recommended biochemical parameters for routine semen analysis. Wetterauer U. **Urol Res** 1986;14(5):241–6
Seasonal variations in semen quality of bulls: correlations with environmental temperature. Parkinson TJ. **Vet Rec** 1987 May 15;120(20):479–82
[Studies of immunosuppressive substances in human seminal plasma] Uchijima Y, et al. **Hinyokika Kiyo** 1987 Apr; 33(4):551–5 (Eng. Abstr.) **(Jpn)**

[Study on trace elements in semen in patients with male infertility] Ishikawa H, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;77(7):1159–63 (Eng. Abstr.) **(Jpn)**

[Analysis of seminal plasma proteins. A. Gamma–Seminoprotein (gamma–Sm)—its immunochemical characteristics] Hara M. **Rinsho Byori** 1986 Jul;34 Spec No 68:50–6 **(Jpn)**

[Effect of physical environmental factors on the spectral dynamics of free amino acids in semen stains] Zaltsev VV, et al. **Sud Med Ekspert** 1986 Oct–Dec;29(4):32–5 (Eng. Abstr.) **(Rus)**

[Zinc in the seminal plasma in infertile men] Breznik R, et al. **Jugosl Ginekol Perinatol** 1986 Jan–Apr;26(1–2):23–7 (Eng. Abstr.) **(Ser)**

[Diagnostic methods in chronic prostatitis. True value of the biochemical patterns of semen, ultrasonics and the bacteriological workup] Gallo FJ, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):387–92 (Eng. Abstr.) **(Spa)**

[Correlation between analysis of semen and hormonal concentrations in oligospermia] Rodríguez Netto N Jr, et al. **Arch Esp Urol** 1987 May;40(4):275–7 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Prostasomes in human semen contain ADP and GDP. Ronquist G, et al. **Acta Eur Fertil** 1986 Jul–Aug;17(4):273–6

A high proportion of double–headed and double–tailed sperm in semen of a human male. A case report. Zukerman Z, et al. **Andrologia** 1986 Sep–Oct;18(5):495–501

Leucocytes in the ejaculate from fertile and infertile men. el–Demiry MI, et al. **Br J Urol** 1986 Dec;58(6):715–20

Suitability of solid–phase chemistry for quantification of leukocytes in cerebrospinal, seminal, and peritoneal fluid. López A, et al. **Clin Chem** 1987 Aug;33(8):1475–6

The effects of rapid cooling (cold shock) of ram semen, photoperiod, and egg yolk in diluents on the survival of spermatozoa before and after freezing. Fiser PS, et al. **Cryobiology** 1986 Dec;23(6):518–24

The effect of dialysis of extended ram semen prior to freezing on post–thaw survival and fertility. Schmehl MK, et al. **Cryobiology** 1986 Oct;23(5):406–14

Leucospermia and the fertilizing capacity of spermatozoa. Van der Ven HH, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):49–52

Testicular volume, semen profile and serum hormone levels in fertile Thai males. Aribarg A, et al. **Int J Androl** 1986 Jun;9(3):170–80

Immunological and morphological characterisation of nucleated cells other than sperm in semen of oligospermic donors. Jassim A, et al. **J Reprod Immunol** 1987 Jun; 11(2):77–89

Identifying leucocytes and leucocyte subpopulations in semen using monoclonal antibody probes. el–Demiry MI, et al. **Urology** 1986 Dec;28(6):492–6

DRUG EFFECTS

Effects of zeranol on reproduction in beef bulls: scrotal circumference, serving ability, semen characteristics, and pathologic changes of the reproductive organs. Deschamps JC, et al. **Am J Vet Res** 1987 Jan;48(1):137–47

Semen quality in papaya workers with long term exposure to ethylene dibromide. Ratcliffe JM, et al. **Br J Ind Med** 1987 May;44(5):317–26

Semen characteristics in furazolidone–treated goats. Mustafa AI, et al. **Reprod Nutr Dev** 1987;27(1A):89–94

[Effect of selenium and DL–methionine on the zinc and tocopherol content of the seminal fluid in rams] Kaludin I, et al. **Vet Med Nauki** 1986;23(7):41–6 (Eng. Abstr.) **(Bul)**

ENZYMOLOGY

The tissue kallikrein–kinin system in human seminal plasma—biochemical and functional aspects. Fink E, et al. **Adv Exp Med Biol** 1986;198 Pt A:291–7

Investigations on the functional role of angiotensin converting enzyme (ACE) in human seminal plasma. Krassnigg F, et al. **Adv Exp Med Biol** 1986;198 Pt A:477–85

Kininase II of human seminal fluid: kinetics and inhibition. van Sande M, et al. **Adv Exp Med Biol** 1986;198 Pt A:469–75

Origin of alkaline phosphatase of canine seminal plasma. Frenette G, et al. **Arch Androl** 1986;16(3):235–41

Two satisfactory methods for purification of human acrosin. Leyton L, et al. **Biochem Cell Biol** 1986 Oct;64(10):1020–4

Co–operativity in seminal ribonuclease function: binding studies. Di Donato A, et al. **Biochem J** 1987 Jan 15; 241(2):435–40

Purification, biochemical properties and active sites of N–acetyl–beta–D–hexosaminidases from human seminal plasma. Kapur DK, et al. **Biochem J** 1986 May 15; 236(1):103–9

Selective deamidation and enzymatic methylation of seminal ribonuclease. Di Donato A, et al. **Biochemistry** 1986 Dec 30;25(26):8361–8

Sperm maturation in human semen: role of transglutaminase–mediated reactions. Porta R, et al. **Biol Reprod** 1986 Nov;35(4):965–70

Purification and properties of beta–galactosidase from chicken seminal plasma. Droba M, et al. **Comp Biochem Physiol [B]** 1987;87(2):379–84

Heterogeneity of aspartate aminotransferase (AAT) in bull semen. Strzeżek J, et al. **Comp Biochem Physiol [B]** 1987; 86(2):373–5

beta–Glucuronidase in the bull seminal plasma and reproductive organs. Jauhiainen A, et al. **Enzyme** 1986; 35(3):137–46

On the interaction of bovine seminal RNase with actin in vitro. Simm FC, et al. **Eur J Biochem** 1987 Jul 1; 166(1):49–54

Effect of modulators on prostasome membrane–bound ATPase in human seminal plasma. Ronquist G. **Eur J Clin Invest** 1987 Jun;17(3):231–6

Placental–type alkaline phosphatase in human seminal plasma from fertile and infertile men. McLaughlin PJ, et al. **Fertil Steril** 1986 Nov;46(5):934–7

Polymorphism of seminal gamma–glutamyl transpeptidase. Abe S, et al. **Forensic Sci Int** 1986 Aug–Sep;32(1):29–32

Dipeptidyl peptidases in bovine reproductive organs and secretions. Agrawal Y, et al. **Int J Androl** 1986 Dec; 9(6):435–52

Comparison of glycosidase levels in bovine seminal plasma. Jauhiainen A, et al. **Int J Androl** 1987 Apr;10(2):489–94

Characterization of acid and neutral alpha–mannosidases in bull semen and reproductive organs. Jauhiainen A, et al. **Int J Biochem** 1987;19(3):267–74

Detection of prostatic tissue and seminal plasma peptides reacting with human seminal fluid acid phosphatase antibodies. Kuciel R, et al. **Int J Biochem** 1986; 18(11):1005–13

Enzyme activities of human seminal plasma having different states of coagulation. Das SK, et al. **Int J Fertil** 1987 Jan–Feb;32(1):86–9

Hyaluronidase activity in split human semen. Savion M, et al. **Int J Fertil** 1986 Jul–Aug;31(3):227–8

Comparison between proteinases of human seminal plasma and of sperm origin. Hume ME, et al. **J Androl** 1987 Jul–Aug;8(4):221–4

Subtyping phosphoglucomutase–1 in semen stains and bloodstains: a report on the method. Budowle B, et al. **J Forensic Sci** 1986 Oct;31(4):1341–8

Seminal plasma levels of fucosyltransferase, galactosyltransferase and sialyltransferase in normospermic and oligospermic men. Ronquist G. **Urol Int** 1987; 42(2):143–7

DIA3 phenotyping in human semen and seminal stains by isoelectric focusing. Kido A, et al. **Z Rechtsmed** 1987; 98(3):207–12

[Enzyme activity of the seminal fluid of bulls after deep freezing and incubation at 39 degrees C] Zakhariev Z, et al. **Vet Med Nauki** 1986;23(10):65–8 (Eng. Abstr.) **(Bul)**

[PGM1 isoelectric focusing of sperm traces: elution conditions, age of the traces, concentration in the stain] Scheithauer R, et al. **Beitr Gerichtl Med** 1986;44:101–7 (Eng. Abstr.) **(Ger)**

[Study of N–acetyl–beta–D–glucosaminidase (NAG) activity in the human semen] Yoshida K, et al. **Hinyokika Kiyo** 1987 Mar;33(3):391–5 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

An ELISA for antisperm antibody detection in serum: comparison with TAT and SIT in serum, with MAR–test, immunobead–test and TAT in semen and with micro–SIT in cervical mucus. Cimino C, et al. **Acta Eur Fertil** 1987 Jan–Feb;18(1):11–9

Antibodies to human seminal plasma inhibin cause sperm agglutination and impairment of cervical mucus penetration and sperm–egg attachment. Bandivdekar AH, et al. **Adv Contracept** 1987 Mar;3(1):1–12

Immune dysfunction in rabbits associated with chronic administration of enemas and rectal insemination. Wicher V, et al. **AIDS Res** 1986 Fall;2(4):289–98

Role of spermine in the cytotoxic effects of seminal plasma. Allen RD, et al. **Am J Reprod Immunol Microbiol** 1987 Jan;13(1):4–8

Sperm cervical mucus contact test and immunobead test for sperm antibodies. Pretorius E, et al. **Arch Androl** 1986; 16(3):199–202

Inhibition of human lymphocyte transformation by a low molecular weight seminal factor. Lugaro G, et al. **Cell Biol Int Rep** 1987 Jun;11(6):497

Seminal plasma suppression of human lymphocyte responses in vitro requires the presence of bovine serum factors. Valleiy PJ, et al. **Clin Exp Immunol** 1986 Oct;66(1):181–7

Seminal plasma immunosuppression: an irrelevant biological phenomenon? Allen RD, et al. **Clin Reprod Fertil** 1986 Oct; 4(5):353–5

Immunology of semen. Alexander NJ, et al. **Fertil Steril** 1987 Feb;47(2):192–205 (122 ref.)

Seminal fluid antisperm antibodies do not reflect those present on the sperm surface. Bronson RA, et al. **Fertil Steril** 1987 Sep;48(3):505–6

Increased production of antibodies to spermatozoa and seminal fluid in rabbits used as semen donors. Wicher V, et al. **Int Arch Allergy Appl Immunol** 1987;83(1):104–8

The role of spermine in the cytotoxic effects of seminal plasma [letter] Allen RD, et al. **J Immunol** 1987 Jan 15; 138(2):656

Immune reactions and infertility. Menge AC. **J Reprod Fertil [Suppl]** 1970;10:171–86 (49 ref.)

Effects of stallion seminal plasma on hydrogen peroxide release by leukocytes exposed to spermatozoa and bacteria. Hansen PJ, et al. **J Reprod Immunol** 1987 Feb;10(2):157–66

Establishment and characterization of a human hybridoma secreting monoclonal antibody with high titers of sperm immobilizing and agglutinating activities against human seminal plasma. Isojima S, et al. **J Reprod Immunol** 1987 Jan;10(1):67–78

HLA–A, –B, –C, –Bw4, Bw6 and –DR antigens are expressed on purified seminal cells other than spermatozoa. Rodríguez–Córdoba S, et al. **Scand J Immunol** 1986 Nov; 24(5):545–8

Antibody–mediated causes of male infertility. Haas GG Jr. **Urol Clin North Am** 1987 Aug;14(3):539–50

Monoclonal antibody: new probe for sexual assault evidence. Evans RJ, et al. **Va Med** 1987 Jul;114(7):411–5

Effect of infection of the genital tract on the concentration of IgG and albumin in bull serum and semen. Suri AK, et al. **Vet Immunol Immunopathol** 1986 Nov;13(3):273–8

Enzyme immunoassay for detection of Mycoplasma bovis antigens in bull semen and preputial washings. Nielsen KH, et al. **Vet Rec** 1987 Jun 20;120(25):596–8

[Antigens of human sperm studied using monoclonal antibodies] Dimitrova D, et al. **Akush Ginekol (Sofiia)** 1986; 25(5):75–80 **(Bul)**

[Are neutralizing antibodies detectable in the ejaculate of boars following vaccination for Aujeszky's disease?] Wittmann G, et al. **DTW** 1986 Jul 23;93(7):308–9 (Eng. Abstr.) **(Ger)**

[Suppression of phagocyte function by seminal plasma: possible predisposition for AIDS] Schopf RE, et al. **Hautarzt** 1986 Dec;37(12):656–61 (Eng. Abstr.) **(Ger)**

[Differentiation of group ABSe semen from mixtures of group ASe and BSe semens by enzyme–linked immunosorbent assay (ELISA)] Sato M, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):293–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Orally administered ketoconazole rapidly appears in seminal plasma and suppresses sperm motility. Vickery BH, et al. **Adv Contracept** 1985 Dec;1(4):341–53

Effect of electroejaculation on progesterone and cortisol excretion in bovine semen. Eiler H, et al. **Am J Vet Res** 1987 Mar;48(3):492–5

Passage of exogenous L–thyroxine and triiodothyronine into bovine ejaculate. Eiler H, et al. **Am J Vet Res** 1987 Mar; 48(3):439–43

Seminal plasma hormone profile in infertile men with and without varicocele. Mićić S, et al. **Arch Androl** 1986; 17(3):173–8

Calcium buffering capacity of human seminal plasma: the role of EGTA in stimulating sperm motility. Fong JC, et al. **Chin J Physiol** 1986;29(1):7–12

Zinc in human semen. Canale D, et al. **Int J Androl** 1986 Dec;9(6):477–80

Grouping of human ejaculates according to the degree of coagulation and the relationship to the levels of choline and cholinesterase. Mandal A, et al. **Int J Androl** 1986 Dec; 9(6):407–15

Time– and temperature–related alterations in seminal plasma constituents after ejaculation. Rui H, et al. **Int J Androl** 1986 Jun;9(3):195–200

Seminal carnitine content in obstructive azoospermia. Correlation with the anatomic level of obstruction. Tomamichel GR, et al. **J Androl** 1986 Sep–Oct;7(5):328–30

Characteristics of binding of human seminal alpha–inhibin–92 to human pituitary membranes. Ramasharma K, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3595–8

[Liquefaction of human sperm by a nuclear magnetic resonance technic. Effect of temperature] Teyssier M, et al. **C R Soc Biol (Paris)** 1986;180(3):323–9 (Eng. Abstr.) **(Fre)**

[Therapeutic results with tamoxifen in oligospermia. II. Hormonal analysis and semen parameters] Schieferstein G, et al. **Andrologia** 1987 May–Jun;19(3):333–41 (Eng. Abstr.) **(Ger)**

[ATP and DNA in the ejaculate of subfertile males] Maier U. **Fortschr Med** 1986 Oct 2;104(37):695–8 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Systematic semen culture and its influence on IVF management. Guillet–Rosso F, et al. **Br J Obstet Gynaecol** 1987 Jun;94(6):543–7

The failure of flurofamide to control ureaplasma in bovine semen. Truscott RB, et al. **Can J Vet Res** 1986 Apr; 50(2):289–90

Removal of bacterial contaminants from semen for in vitro fertilization or artificial insemination by the use of buoyant density centrifugation. Bolton VN, et al. **Fertil Steril** 1986 Dec;46(6):1128–32

Importance of semen preparation in avoidance of reduced in vitro fertilization results attributable to bacteria. Forman R, et al. **Fertil Steril** 1987 Mar;47(3):527–30

Mycoplasmas and in vitro fertilization. Hill AC, et al. **Fertil Steril** 1987 Apr;47(4):652–5

Sexually communicable micro–organisms in human semen samples to be used for artificial insemination by donor. Tjiam KH, et al. **Genitourin Med** 1987 Apr;63(2):116–8

Bacteriology of the genital tract in azoospermia. Nazar YA, et al. **Indian J Med Res** 1986 Aug;84:213–6

Ureaplasma urealyticum in semen for artificial insemination [letter] Horne HW Jr, et al. **Int J Fertil** 1987 Jul–Aug; 32(4):267

Ureaplasma urealyticum in semen for artificial insemination: its effect on conception and semen analysis parameters. Lumpkin MM, et al. **Int J Fertil** 1987 Mar–Apr;32(2):122, 126–30

Elimination of toxicity and enhanced cytomegalovirus detection in cell cultures inoculated with semen from patients with acquired immunodeficiency syndrome. Howell CL, et al. **J Clin Microbiol** 1986 Oct;24(4):657–60

Whole milk extender with antibiotics to eliminate Campylobacter fetus from frozen bovine semen. Shin S, et al. **J Dairy Sci** 1985 May;68(5):1280–5

Quantitative analysis of hepatitis B virus DNA in saliva and semen of chronically infected homosexual men. Jenison SA, et al. **J Infect Dis** 1987 Aug;156(2):299–307

Excretion of cytomegalovirus in semen associated with HTLV-III seropositivity in asymptomatic homosexual men. Rinaldo CR Jr, et al. **J Med Virol** 1986 Sep; 20(1):17–22

The viability of Mycoplasma iowae at 40 C in turkey semen. Shah-Majid M, et al. **Poult Sci** 1986 Aug;65(8):1631–2

Demonstration of the carrier state in naturally acquired equine arteritis virus infection in the stallion. Timoney PJ, et al. **Res Vet Sci** 1986 Sep;41(2):279–80

Isolation of parainfluenza-3 virus from bull's semen. Abraham A, et al. **Vet Rec** 1986 Nov 15;119(20):502

Isolation and characterization of Actinobacillus seminis strains from ovine semen samples and epididymitis. Hajtós I, et al. **Zentralbl Veterinarmed [B]** 1987 Mar;34(2):138–47

[The spread of enzootic bovine leukemia via the seminal fluid in certain breeds of bulls] Belev N, et al. **Vet Med Nauki** 1986;23(10):3–10 (Eng. Abstr.) **(Bul)**

[Artificial insemination with donor semen and sexually transmissible disorders] Tjiam KH, et al. **Ned Tijdschr Geneeskd** 1986 Oct 18;130(42):1893–6 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Semen abnormalities in patients with viral hepatitis B. Huret JL, et al. **Arch Androl** 1986;17(1):99–100

Tubules in semen of infertile patients. Case report. Phillips DM, et al. **J Androl** 1987 Mar–Apr;8(2):61–3

PHYSIOLOGY

Localization of frothy fluid-producing region in the cloaca of male turkey. Fujihara N, et al. **Anat Anz** 1986; 162(5):359–66

Hormonal and seminal parameters in infertile men. Bruno B, et al. **Andrologia** 1986 Nov–Dec;18(6):595–600

Antifertility factors of mammalian seminal fluid. Shivaji S, et al. **Bioessays** 1987 Jul;7(1):13–7 (32 ref.)

Effect on fertility of low numbers of fowl spermatozoa inseminated in aqueous diluent or semen components of the fowl and turkey. Lake PE, et al. **Br Poult Sci** 1987 Mar;28(1):75–80

Molecular cloning and sequence of the cDNA for a 94-amino-acid seminal plasma protein secreted by the human prostate. Mbikay M, et al. **DNA** 1987 Feb;6(1):23–9

Effect of season and social environment on testis size and semen quality of the adult Landrace boar. Trudeau V, et al. **J Anim Sci** 1986 Oct;63(4):1211–9

Seminal vesicle-secreted proteins and their reactions during gelation and liquefaction of human semen. Lilja H, et al. **J Clin Invest** 1987 Aug;80(2):281–5

Effect of secretory particles in bovine seminal vesicle secretion on sperm motility and acrosome reaction. Agrawal Y, et al. **J Reprod Fertil** 1987 Mar;79(2):409–19

[Measurements of genital organs and seminal characteristics of Simmental and crossbred Red Holstein bulls aged 18 to 60 months] Gachet-Piguet AF, et al. **Schweiz Arch Tierheilkd** 1987 May;129(5):251–8 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

The effect of exposure to direct solar radiation on the semen characteristics of the male rabbit. Salem MH, et al. **Beitr Trop Landwirtsch Veterinarmed** 1987;25(2):213–21

SEMEN PRESERVATION

Cryopreservation of human spermatozoa. II. Postthaw chronology of motility and of zona-free hamster ova penetration. Critser JK, et al. **Fertil Steril** 1987 Jun; 47(6):980–4

Artificial insemination by donor—a new look [editorial] Peterson EP. **Fertil Steril** 1986 Oct;46(4):567–70

Frozen semen: efficiency in artificial insemination and advantage in testing for acquired immune deficiency syndrome. Sherman JK. **Fertil Steril** 1987 Jan;47(1):19–21

Ultrasound in the timing of artificial insemination with frozen donor semen. Saaranen M, et al. **Gynecol Obstet Invest** 1986;22(3):140–4

Cryopreservation of human spermatozoa. Jeyendran RS, et al. **IMJ** 1986 Aug;170(2):81–3

Cryosurvival of human spermatozoa frozen in eight different buffer systems. Weidel L, et al. **J Androl** 1987 Jan–Feb; 8(1):41–7

Semen cryopreservation and artificial insemination for Hodgkin's disease. Redman JR, et al. **J Clin Oncol** 1987 Feb;5(2):233–8

[Enzyme activity of the seminal fluid of bulls after deep freezing and incubation at 39 degrees C] Zakhariev Z, et al. **Vet Med Nauki** 1986;23(10):65–8 (Eng. Abstr.) **(Bul)**

METHODS

Cryopreservation of human spermatozoa: an assessment of methodology using rhodamine 123. Tucker MJ, et al. **Arch Androl** 1986;17(3):179–87

Effect of several lipids, fatty acyl chain length, and degree of unsaturation on the motility of bull spermatozoa after cold shock and freezing. Graham JK, et al. **Cryobiology** 1987 Feb;24(1):42–52

Cryopreservation of human spermatozoa. I. Effects of holding procedure and seeding on motility, fertilizability, and acrosome reaction. Critser JK, et al. **Fertil Steril** 1987 Apr;47(4):656–63

A simplified method for freezing and storage of human semen. Kremer J, et al. **Fertil Steril** 1987 May;47(5):838–42

Cryopreservation of human spermatozoa: correlations of ultrastructural sperm head configuration with sperm motility and ability to penetrate zona-free hamster ova. Serafini PC, et al. **Fertil Steril** 1986 Oct;46(4):691–5

Pregnancy rates with artificial insemination by donor: the influence of the cryopreservation method and coexistent infertility factors. Gillett WR, et al. **NZ Med J** 1986 Nov 26;99(814):891–3

[Effect of sugars on the biological properties of bull spermatozoa after cryopreservation] Al-Hanak H, et al. **Vet Med Nauki** 1987;24(2):52–6 (Eng. Abstr.) **(Bul)**

VETERINARY

Studies of the factors causing abnormal acrosomes and crooked-necks in fowl spermatozoa during freezing and thawing. Maeda T, et al. **Br Poult Sci** 1986 Dec; 27(4):695–702

Evolution of knowledge in reproductive physiology. Cole HH. **J Anim Sci** 1972;34 Suppl 1:80–5

Effects of extender and insemination dose on postthaw quality and fertility of bovine sperm. Schenk JL, et al. **J Dairy Sci** 1987 Jul;70(7):1458–64

Whole milk extender with antibiotics to eliminate Campylobacter fetus from frozen bovine semen. Shin S, et al. **J Dairy Sci** 1985 May;68(5):1280–5

Artificial insemination of Angora- and Boergoats with deep-frozen semen. Lawrenz R. **J S Afr Vet Assoc** 1986 Jun;57(2):109–11

Cryopreservation of chicken semen of inbred or specialized strains. Bacon LD, et al. **Poult Sci** 1986 Oct;65(10):1965–71

[Survivability and penetration capacity of bull spermatozoa frozen by 3 technics] Korvalan P, et al. **Vet Med Nauki** 1986;23(9):77–80 (Eng. Abstr.) **(Bul)**

[Effect of various temperature regimens for thawing on the quality of bull spermatozoa] Stoianov T, et al. **Vet Med Nauki** 1986;23(9):69–76 (Eng. Abstr.) **(Bul)**

SEMIASPARTATE ALDEHYDE DEHYDROGENASE see **ASPARTATE SEMIALDEHYDE DEHYDROGENASE**

SEMICARBAZIDES

ANTAGONISTS & INHIBITORS

[Effect of antidepressants on the convulsive action of thiosemicarbazide, strychnine and corasol] Golovina SM, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):290–2 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Studies of pyrazine derivatives. XXI. Synthesis and tuberculostatic activity of 4-aryl-1-pyrazinoylthiosemicarbazides and the products of their cyclization to 1,2,4-triazole-3-thione derivatives] Rudnicka W, et al. **Acta Pol Pharm** 1986;43(6):523–8 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Some properties of semicarbazide-sensitive amine oxidases. Callingham BA, et al. **J Neural Transm [Suppl]** 1987; 23:37–54 (73 ref.)

[Inactivation of formaldehyde by semicarbazide in disinfectant tests with viruses] Schoenemann W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Oct; 182(5–6):525–36 (Eng. Abstr.) **(Ger)**

TOXICITY

The effects of thiosemicarbazide on development in the wood frog, Rana sylvatica. II. Critical exposure length and age sensitivity. Riley EE, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):202–7

The effects of thiosemicarbazide on development in the wood frog, Rana sylvatica. I. Concentration effects. Riley EE, et al. **Ecotoxicol Environ Safety** 1986 Oct;12(2):154–60

SEMICIRCULAR CANALS

Lateral sinus thrombosis: diagnosis and treatment—a case report. Rizer FM, et al. **J Otolaryngol** 1987 Mar;16(2):77–9

Combined perilymphatic fistulas of the round window and lateral semicircular canal. A report of 2 cases. Yaniv E, et al. **S Afr Med J** 1987 Mar 21;71(6):391–2

[Clinical analysis of a fistula of the lateral semicircular canal] Goździk-Zolnierkiewicz T, et al. **Otolaryngol Pol** 1986; 40(4):255–61 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Acanthonus armatus, a deep-sea teleost fish with a minute brain and large ears. Fine ML, et al. **Proc R Soc Lond [Biol]** 1987 Mar 23;230(1259):257–65

[Symmetry of the horizontal semicircular canal of the labyrinth] Fenart R, et al. **Bull Assoc Anat (Nancy)** 1986 Jun;70(209):33–6 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Vasculature of the crista ampullaris of the rat as seen in microcorrosion casts. Tange RA, et al. **ORL J Otorhinolaryngol Relat Spec** 1987;49(3):113–7

DRUG EFFECTS

Cholinomimetics mimic efferent effects on semicircular canal afferent activity in the frog. Guth PS, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct;102(3–4):194–203

INJURIES

Surgical trauma to the lateral semicircular canal with preservation of hearing. Canalis RF, et al. **Laryngoscope** 1987 May;97(5):575–81

Iatrogenic fenestration of a semicircular canal: a method of closure. Cullen JR, et al. **Laryngoscope** 1986 Oct; 96(10):1168–9

INNERVATION

Spontaneous activity of first-order horizontal canal neurons in the guinea pig. Yagi T, et al. **Auris Nasus Larynx** 1986; 13 Suppl 2:S29–34

Distribution of vestibular afferents that innervate the sacculus and posterior canal in the gerbil. Kevetter GA, et al. **J Comp Neurol** 1986 Dec 15;254(3):410–24

Vestibular nuclear neuron activity during active and passive head movement in the alert rhesus monkey. Khalsa SB, et al. **J Neurophysiol** 1987 May;57(5):1484–97

[Physiological characteristics of first order horizontal canal neurons in guinea pigs. 3. Relationship between spontaneous activity and response to angular acceleration] Yagi T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun; 89(6):695–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Cation transport in the ampulla of the semicircular canal and in the endolymphatic sac. Mori N, et al. **Arch Otorhinolaryngol** 1987;244(1):61–5

Prostaglandins in the semicircular canal of the frog. Ferrary E, et al. **Hear Res** 1987;26(2):139–44

PHYSIOLOGY

European vestibular experiments on the Spacelab-1 mission: 6. Yaw axis vestibulo-ocular reflex. Benson AJ, et al. **Exp Brain Res** 1986;64(2):279–83

Effects of lesion of the interstitial nucleus of Cajal on vestibular nuclear neurons activated by vertical vestibular stimulation. Fukushima K, et al. **Exp Brain Res** 1986; 64(3):496–504

Effects of rapid cerebellectomy on adaptive gain control of the vestibulo-ocular reflex in alert goldfish. Michnovicz JJ, et al. **Exp Brain Res** 1987;66(2):287–94

Vestibular ampullar modulation of hypoglossal neurons. Mameli O, et al. **Physiol Behav** 1986;37(5):773–5

Validity of Ewald's law in the horizontal semicircular canals and the vestibular nuclei: electron microscopic observation and quantitative [14C]-2-deoxy-D-glucose study. Hozawa J, et al. **Tohoku J Exp Med** 1986 Dec;150(4):467–74

PHYSIOPATHOLOGY

Differential effect of ischemia on spontaneous and sinusoidal-evoked activity in semicircular canal afferents in the bullfrog. Sitko S, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct;102(3–4):179–85

Caloric vertical nystagmus: the vertical semicircular canal in caloric testing. Norre ME. **J Otolaryngol** 1987 Feb; 16(1):36–9

SURGERY

Surgical management of labyrinthine fistula with cholesteatoma. Gormley PK. **J Laryngol Otol** 1986 Oct; 100(10):1115–23

ULTRASTRUCTURE

Electron-microscopic study of the vestibular dark cells in the crista ampullaris of the guinea pig. Kawamata S, et al. **Acta Otolaryngol (Stockh)** 1986 Sep–Oct; 102(3–4):168–74

Scanning electron microscopic observation of the crista ampullaris. Harada Y, et al. **Scan Electron Microsc** 1986; (Pt 2):537–42

[Influence of long-term repeated rotatory stimulation on function and morphology of lateral semicircular canals] Usami S. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb; 90(2):230–9 (Eng. Abstr.) **(Jpn)**

SEMICONDUCTORS

Semiconductor manufacturing: an introduction to processes and hazards. Wald PH, et al. **Am J Ind Med** 1987; 11(2):203–21

The enhancement of the proliferative response of peripheral blood lymphocytes of workers in semiconductor plant. Yoshida T, et al. **Ind Health** 1987;25(1):29–33

Unknown variables: assessing risks in the semiconductor industry. Harper S. **Occup Health Saf** 1986 Oct; 55(10):28–38

The microelectronics industry. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):1–197

Dermatitis in the microelectronics industry. Adams RM. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):155–65 (25 ref.)

Radiofrequency and microwave radiation in the microelectronics industry. Cohen R. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):145–54 (12 ref.)

Health hazards of solvents. Cone JE. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):69–87 (58 ref.)

Hydrofluoric acid burns. Edelman P. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):89–103 (21 ref.)

Carcinogens and cancer risks in the microelectronics industry. Garabrant DH, et al. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):119–34 (60 ref.)

Gallium arsenide. Harrison RJ. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):49–58 (26 ref.)

Environmental health aspects of the microelectronics industry. Himmelstein JS, et al. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):175–94 (24 ref.)

Health issues in the microelectronics industry. LaDou J. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):1–11 (11 ref.)

Dopant materials used in the microelectronics industry. Lewis DR. **State Art Rev Occup Med** 1986 Jan–Mar; 1(1):35–47 (24 ref.)

Repetitive motion musculoskeletal problems in the microelectronics industry. Morse LH. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):167–74 (10 ref.)

The chemical nature of the microelectronics industry. Rohm T, et al. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):13–34 (8 ref.)

Reproductive hazards in the microelectronics industry. Rudolph L, et al. **State Art Rev Occup Med** 1986 Jan–Mar; 1(1):135–43 (11 ref.)

Photoactive chemicals used in photoresist systems. Teitelbaum DT. **State Art Rev Occup Med** 1986 Jan–Mar; 1(1):59–68 (9 ref.)

Toxic gases used in the microelectronics industry. Wald PH, et al. **State Art Rev Occup Med** 1986 Jan–Mar;1(1):105–17 (11 ref.)

SEMILUNAR BONE

Poor function after nonoperative treatment of Kienböck's disease. Mikkelsen SS, et al. **Acta Orthop Scand** 1987 Jun; 58(3):241–3

INJURIES

Difficult wrist fractures. Perilunate fracture–dislocations of the wrist. Cooney WP, et al. **Clin Orthop** 1987 Jan; (214):136–47

Trans–scaphoid palmar lunate dislocation with concurrent scapholunate ligament disruption. Schakel M, et al. **J Hand Surg [Am]** 1986 Sep;11(5):653–5

Simultaneous dislocation of the interphalangeal joint of the thumb and the carpal lunate. Juhl M, et al. **J Trauma** 1987 May;27(5):581–2

[Traumatic scapho–lunate dissociation. Functional analysis, surgical therapy and results] Pechlaner S, et al. **Aktuel Traumatol** 1987 Feb;17(1):1–8 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Wrist denervation and compression of the lunate in Kienböck's disease. Ekerot L, et al. **Scand J Plast Reconstr Surg** 1986;20(2):225–7

SURGERY

Long–term results of Kienböck's disease treated by excisional arthroplasty with a silicone implant or coiled palmaris longus tendon. Kato H, et al. **J Hand Surg [Am]** 1986 Sep; 11(5):645–53

[Transposition of pedicled pisiform bone in the treatment of stage III lunate malacia] Brüser P, et al. **Handchir Mikrochir Plast Chir** 1986 Sep;18(5):309–12 (Eng. Abstr.) **(Ger)**

SEMILUNAR CARTILAGES see **MENISCI, TIBIAL**

SEMILUNAR GANGLION see under **TRIGEMINAL NERVE**

SEMINAL VESICLES

Giant cyst of the seminal vesicle with renal agenesis. Heaney JA, et al. **AJR** 1987 Jul;149(1):139–40

Seminal vesicle abscess after vasectomy: evaluation by transrectal sonography and CT. Zagoria RJ, et al. **AJR** 1987 Jul;149(1):137–8

Lesions of the prostate glands and seminal vesicles induced by N–methylnitrosourea in F344 rats pretreated with ethinyl estradiol. Shirai T, et al. **Cancer Lett** 1987 Apr; 35(1):7–15

Primary adenocarcinoma of the seminal vesicle. Tanaka T, et al. **Hum Pathol** 1987 Feb;18(2):200–2

Seminal vesicle cyst: report of a case. Van Lerberghe E, et al. **J Belge Radiol** 1987;70(2):137–9

Seminal vesicle abscess: diagnosis by transrectal ultrasound. Lee SB, et al. **JCU** 1986 Sep;14(7):546–9

[Cyst of the seminal vesicle. Images on ultrasonography, x–ray computed tomography and magnetic resonance. Apropos of a case] Gevenois PA, et al. **J Radiol** 1987 Jun–Jul;68(6–7):489–91 (Eng. Abstr.) **(Fre)**

[A misleading manifestation of urogenital schistosomiasis in man] Hamida K, et al. **J Radiol** 1987 Feb;68(2):133–5 (Eng. Abstr.) **(Fre)**

[Papillary cystadenoma of the seminal vesicle] Marshev VN, et al. **Urol Nefrol (Mosk)** 1987 May–Jun;(3):57–8 **(Rus)**

[Cysts of the seminal vesicles: apropos of a case] Herranz Amo F, et al. **Actas Urol Esp** 1987 Mar–Apr;11(2):210–3 (Eng. Abstr.) **(Spa)**

[Analysis of the incidence of seminal and prostatic lithiasis by transrectal echography] Espuela Orgaz R, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):609–15 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Case profile: infertility due to unusual bilateral seminal vesicle dysplasia. Amelar RD, et al. **Urology** 1986 Oct;28(4):338

Case profile: absent seminal vesicle diagnosed by transrectal ultrasound. Patel MR, et al. **Urology** 1987 Mar;29(3):332

Ectopic ureter opening into seminal vesicle cyst associated with ipsilateral renal agenesis. Zaontz MR, et al. **Urology** 1987 May;29(5):523–5

[Infected cystic malformations of a seminal vesicle with ipsilateral uretero–renal agenesis. Description and discussion of the surgical approach] Desgrez JP. **Ann Urol (Paris)** 1986;20(6):411–5 (Eng. Abstr.) **(Fre)**

[Combined abnormalities of the seminal vesicles and the kidneys] Kamyshan IS, et al. **Urol Nefrol (Mosk)** 1986 Sep–Oct;(5):59–60 **(Rus)**

ANALYSIS

Characterization and partial purification of a novel neuronotrophic factor from bovine seminal vesicle. Hofmann HD, et al. **J Neurochem** 1987 May;48(5):1425–33

Cysteine proteinase inhibitors in human and rat male sex glands. Minakata K, et al. **J Reprod Fertil** 1987 May; 80(1):201–6

Differential distribution of pepsinogen II between the zones of the human prostate and the seminal vesicle. Reese JH, et al. **J Urol** 1986 Nov;136(5):1148–52

Comparison of seminal vesicle secretory proteins of rodents using antibody and nucleotide probes. Fawell SE, et al. **Mol Cell Endocrinol** 1987 Mar;50(1–2):107–14

Identification and biological activity of a novel natural prostaglandin, 5,6–dihydro–prostaglandin E3. Samel N, et al. **Prostaglandins** 1987 Jan;33(1):137–46

ANATOMY & HISTOLOGY

Olfactory bulbectomy prevents anti–gonadal effect of exogenous melatonin in male hamsters. Pieper DR, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1208–11

Gonadal regression induced by caloric restriction is not mediated by the pineal gland in deer mice (Peromyscus maniculatus). Nelson RJ. **J Pineal Res** 1987;4(3):339–45

The effect of pituitary homografts on the accessory sex organs and serum hormonal levels with or without androgen in mature male rats. Chang CL. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):129–34

BLOOD SUPPLY

[Studies of distribution of blood vessels of normal rat prostate, seminal vesicles, coagulating glands and vasa deferentia] Suzuki T, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul; 77(7):1099–107 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Immunocytochemical localization of insulin–like immunoreactivity in mouse seminal vesicle. Stahler MS, et al. **Biol Reprod** 1986 Nov;35(4):1075–80

The seminal vesicle of the African catfish, Clarias gariepinus. A histological, histochemical, enzyme–histochemical, ultrastructural and physiological study. van den Hurk R, et al. **Cell Tissue Res** 1987 Mar;247(3):573–82

DRUG EFFECTS

Effects of various steroids on the thymus, spleen, ventral prostate and seminal vesicles in old orchidectomized rats. Fitzpatrick FT, et al. **J Endocrinol** 1987 Apr;113(1):51–5

Effectiveness of antiandrogens in the rat. Burton S, et al. **J Urol** 1986 Oct;136(4):932–5

Proliferative response of rat accessory sex organs to dietary sex hormones after castration or initial dietary administration of estrogen. Shirai T, et al. **J Urol** 1987 Jul; 138(1):216–8

Androgen and estrogen effect on guinea pig seminal vesicle muscle: a combined stereological and biochemical study. Bruengger A, et al. **Prostate** 1986;9(3):303–10

EMBRYOLOGY

Seminal vesicle cyst and ipsilateral renal agenesis. Denes FT, et al. **Urology** 1986 Oct;28(4):313–5

ENZYMOLOGY

Preparative HPLC purification of prostaglandin endoperoxides and isolation of novel cyclooxygenase–derived arachidonic acid metabolites. Hecker M, et al. **Biochem Pharmacol** 1987 Mar 15; 36(6):851–5

Characterization of prostaglandin E2 20–hydroxylase of sheep vesicular glands. Oliw EH, et al. **Biochim Biophys Acta** 1986 Nov 14;879(2):113–9

Characterization of acid and neutral alpha–mannosidases in bull semen and reproductive organs. Jauhiainen A, et al. **Int J Biochem** 1987;19(3):267–74

Mass spectrometric evidence for the conversion of exogenous adrenate to dihomo–prostaglandins by seminal vesicle cyclo–oxygenase. A comparative study of two animal species. Ferretti A, et al. **J Chromatogr** 1986 Dec 19; 383(2):241–50

Synthesis of seminal ribonuclease in isolated lobules of bull seminal vesicles. Quarto N, et al. **J Reprod Fertil** 1987 May; 80(1):81–9

GROWTH & DEVELOPMENT

Seminal vesicle growth induced by Ascaris suum infection. Laubach HE, et al. **Vet Parasitol** 1986 Dec;22(3–4):325–8

INNERVATION

Coexistence and cooperation between neuropeptide Y and norepinephrine in nerve fibers of guinea pig vas deferens and seminal vesicle. Stjernquist M, et al. **Biol Reprod** 1987 Feb;36(1):149–55

METABOLISM

Carbon–centered free radical intermediates in the hematin– and ram seminal vesicle–catalyzed decomposition of fatty acid hydroperoxides. Schreiber J, et al. **Arch Biochem Biophys** 1986 Nov 15;251(1):17–24

A common molecular weight of the androgen receptor monomer in different target tissues. Johnson MP, et al. **Biochemistry** 1987 Jun 2;26(11):3174–82

Evidence for insulin synthesis in normal mouse seminal vesicle based on in situ RNA–DNA hybridization. Stahler MS, et al. **Biol Reprod** 1987 May;36(4):999–1006

The differential regulation of the intranuclear progestin in mouse kidney and prostate–seminal vesicles. Houben PW, et al. **Endocr Res** 1987;13(1):1–14

Tissue distribution, developmental profile and hormonal regulation of androgen–responsive secretory proteins of rat seminal vesicles studied by immunocytochemistry. Fawell SE, et al. **Mol Cell Endocrinol** 1986 Nov;48(1):39–49

Identification and characterization of a vasopressin isoreceptor in porcine seminal vesicles. Maggi M, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8824–8

Regulation of prostaglandin biosynthesis by human ovarian follicular fluid: a mechanism for ovulation? Carson R, et al. **Prostaglandins** 1986 Jul;32(1):49–55

PATHOLOGY

Cystic epithelial–stromal tumor of the seminal vesicle. Mazur MT, et al. **Am J Surg Pathol** 1987 Mar;11(3):210–7

The incidence and significance of seminal vesicle invasion in patients with adenocarcinoma of the prostate. Mukamel E, et al. **Cancer** 1987 Apr 15;59(8):1535–8

Carcinoma in situ of the bladder extending into the seminal vesicles. Jakse G, et al. **J Urol** 1987 Jan;137(1):44–5

Acute vesiculitis and its prostatic complications caused by E. coli in the rat. Maglione M, et al. **Urol Res** 1986; 14(5):265–6

[Primary cancer of the seminal vesicle] Steininger H. **Pathologe** 1987 May;8(3):183–7 **(Ger)**

PHYSIOLOGY

Endocytosis in guinea pig seminal vesicle epithelial cells cultivated in chemically defined medium. Mata L, et al. **Biol Cell** 1986;58(3):211–9

Effects of seminal vesicle removal on fertility and uterine sperm motility in the house mouse. Peitz B, et al. **Biol Reprod** 1986 Oct;35(3):608–17

Seminal vesicle–secreted proteins and their reactions during gelation and liquefaction of human semen. Lilja H, et al. **J Clin Invest** 1987 Aug;80(2):281–5

Effect of androgens on mRNA for a secretory protein of rat dorsolateral prostate and seminal vesicles. Dodd JG, et al. **Mol Cell Endocrinol** 1986 Oct;47(3):191–200

The effects of long–term isolation on physiology and behavior in male guinea pigs. Sachser N. **Physiol Behav** 1986;38(1):31–9

[Interventional echography of the emptying of the seminal vesicles with sperm analysis in the diagnosis of male sterility] Lardennois B, et al. **Acta Urol Belg** 1987; 55(1):79–88 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Gonadal function during prolongation of life produced by constant light in hamsters with heart failure. Tapp WN, et al. **Physiol Behav** 1987;40(2):243–6

[The seminal vesicle dynamic emptying test as an interventional echographic control of the spermogram in the examination of male sterility] Lardennois B, et al. **J Urol (Paris)** 1986;92(4):239–42 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Seminal vesiculography in chronic bacterial prostatitis. Baert L, et al. **J Urol** 1986 Oct;136(4):844–5

Mesonephric hamartoma of the seminal vesicle: a rare cause of a retrovesical mass. Kinas H, et al. **NY State J Med** 1987 Jan;87(1):48–9

[Vesiculography in sclerosis of the prostate] Monaf A. **Vrach Delo** 1987 Jan;(1):98–9 (Eng. Abstr.) **(Rus)**

SECRETION

The major protein of bull seminal plasma is a secretory product of seminal vesicle. Kemme M, et al. **Biochim Biophys Acta** 1986 Nov 19;884(2):282–90

Characterization of a monoclonal antibody to a conserved epitope on human seminal vesicle-specific peptides: a novel probe/marker system for semen identification. Herr JC, et al. **Biol Reprod** 1986 Oct;35(3):773–84

Analysis of the major large polypeptides of rat seminal vesicle secretion: SVS I, II, and III. Wagner CL, et al. **Biol Reprod** 1987 Mar;36(2):501–10

Effect of secretory particles in bovine seminal vesicle secretion on sperm motility and acrosome reaction. Agrawal Y, et al. **J Reprod Fertil** 1987 Mar;79(2):409–19

ULTRASTRUCTURE

The relationship between the morphology of cell organelles and kinetics of the secretory process in male sex accessory glands of mice. Samuel LH, et al. **Cell Tissue Res** 1987 Jan;247(1):203–13

Morphometric evaluation of the turnover of autophagic vacuoles after treatment with Triton X-100 and vinblastine in murine pancreatic acinar and seminal vesicle epithelial cells. Kovács J, et al. **Virchows Arch [B]** 1987;53(3):183–90

[Light and electron microscopic studies of the seminal vesicular gland (Glandula vesicularis) of the bull] Amselgruber W, et al. **Anat Histol Embryol** 1986 Dec; 15(4):361–79 (Eng. Abstr.) **(Ger)**

[Cytochemical and ultrastructural aspects of human seminal vesicles] Avila RE, et al. **Arch Esp Urol** 1987 May; 40(4):229–33 (Eng. Abstr.) **(Spa)**

SEMINIFEROUS EPITHELIUM see under **TESTIS**

SEMINIFEROUS TUBULES see under **TESTIS**

SEMINOMA see **DYSGERMINOMA**

SEMIOCHEMICALS see **PHEROMONES**

SEMLIKI FOREST VIRUS

DRUG EFFECTS

Inhibition of Semliki Forest virus multiplication by ribavirin: a potential method for the monitoring of antiviral agents in serum. van Tiel FH, et al. **J Virol Methods** 1986 Sep; 14(2):119–25

GENETICS

A novel method for the detection of early events in cell–cell fusion of Semliki Forest virus infected cells growing in monolayer cultures. Kempf C, et al. **Arch Virol** 1987; 95(3–4):283–9

Efficient transport of Semliki Forest virus glycoproteins through a Golgi complex morphologically altered by Uukuniemi virus glycoproteins. Gahmberg N, et al. **EMBO J** 1986 Dec 1;5(12):3111–8

Kinetics of endosome acidification detected by mutant and wild-type Semliki Forest virus. Kielian MC, et al. **EMBO J** 1986 Dec 1;5(12):3103–9

Synthesis and processing of Semliki forest virus polyprotein in Saccharomyces cerevisiae: a yeast type glycosylation of E1 envelope protein. Keränen S. **Gene** 1986; 48(2–3):267–75

Sequences conserved in the defective interfering RNAs of Semliki Forest virus: an electron microscopic heteroduplex analysis. Alanen M, et al. **Hereditas** 1987;106(1):19–29

Infection of cultured murine brain cells by Semliki Forest virus: effects of interferon-alpha beta on viral replication, viral antigen display, major histocompatibility complex antigen display and lysis by cytotoxic T lymphocytes. Morris A, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):99–106

GROWTH & DEVELOPMENT

Neurogenic spread of Semliki Forest virus in mice. Kaluza G, et al. **Arch Virol** 1987;93(1–2):97–110

IMMUNOLOGY

Rapid determination of neutralizing antibodies to Semliki Forest virus in serum by enzyme immunoassay in cell culture with virus-specific monoclonal antibodies. van Tiel FH, et al. **J Clin Microbiol** 1986 Oct;24(4):665–8

Immunological relationship between a demyelinating RNA enveloped budding virus (Semliki Forest) and brain glycolipids. Khalili-Shirazi A, et al. **J Neurol Sci** 1986 Nov; 76(1):91–103

Passive protection across subgroups of alphaviruses by hyperimmune non-cross-neutralizing anti-Sindbis serum. Wust CJ, et al. **Proc Soc Exp Biol Med** 1987 Jan; 184(1):56–63

METABOLISM

Processing of the Semliki Forest virus structural polyprotein: role of the capsid protease. Melancon P, et al. **J Virol** 1987 May;61(5):1301–9

PATHOGENICITY

Isolation and preliminary characterization of Semliki Forest virus mutants with altered pathogenicity for mouse embryos. Hearne AM, et al. **J Gen Virol** 1987 Jan;68 (Pt 1):107–13

PHYSIOLOGY

Semliki Forest virus-induced polykaryocyte formation is an ATP-dependent event. Kempf C, et al. **Arch Virol** 1987; 95(1–2):111–22

Animal viruses promote the entry of polysaccharides with antiviral activity into cells. González ME, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1303–10

SEMUSTINE see under **NITROSOUREA COMPOUNDS**

SENDAI VIRUS see **PARA-INFLUENZA VIRUS TYPE 1**

SENECIO

see related
PYRROLIZIDINE ALKALOIDS

Senecio species: toxic plants used as food and medicine in the Transkei. Rose EF. **S Afr Med J** 1972 Jul 22; 46(30):1039–43

Liver biopsy in ragwort poisoning [letter] Monaghan ML, et al. **Vet Rec** 1987 Apr 11;120(15):374

ANALYSIS

Genotoxic activity of an alkaloidal extract of Senecio nemorensis, ssp. fuchsii in Salmonella typhimurium and Escherichia coli-systems. Pool BL. **Toxicology** 1982; 24(3–4):351–5

[Solvent extraction and isolation of alkaloids A and B from Senecio fuberi] Cai DG. **Chung Yao Tung Pao** 1987 Mar; 12(3):40, 44 **(Chi)**

METABOLISM

Synthesis of [3,5-14C]trachelanthamidine and [5-3H]isoretronecanol and their incorporation into the retronecine moiety of riddelliine in Senecio riddellii. Leete E, et al. **J Nat Prod** 1986 Sep–Oct;49(5):838–44

SENECIO ALKALOIDS see **PYRROLIZIDINE ALKALOIDS**

SENESCENCE see **AGING**

SENNA

[Clinical study of a new preparation from plantago seeds and senna pods] Bossi S, et al. **Acta Biomed Ateneo Parmense** 1986;57(5–6):179–86 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Comparative laxation of psyllium with and without senna in an ambulatory constipated population. Marlett JA, et al. **Am J Gastroenterol** 1987 Apr;82(4):333–7

Treatment of constipation of hospitalized patients suffering from internal diseases with Tisasen A + B coated tablet. Vajda I. **Ther Hung** 1984;32(4):173–5

[Clinical study of a new preparation from plantago seeds and senna pods] Bossi S, et al. **Acta Biomed Ateneo Parmense** 1986;57(5–6):179–86 (Eng. Abstr.) **(Ita)**

SENSATION

see related
PERCEPTION

Analysis of extrinsic factors affecting pallestesic threshold (VT) of amyotrophic lateral sclerosis patients. Delodovici ML, et al. **Adv Exp Med Biol** 1987;209:125–8

Determinants of the initial comfort of hydrogel contact lenses. Efron N, et al. **Am J Optom Physiol Opt** 1986 Oct; 63(10):819–23

Echoic and retrieval accounts of the long-term modality effect tested using the suffix procedure. Huang ST, et al. **Am J Psychol** 1986 Winter;99(4):453–70

Anatomy of the saphenous nerve: relevance to saphenous vein stripping. Ramasastry SS, et al. **Am Surg** 1987 May; 53(5):274–7

Lower lip numbness following general anesthesia [letter] Azar I, et al. **Anesthesiology** 1986 Oct;65(4):450–1

Spontaneous spinal epidural hematoma, Brown-Séquard syndrome, and factor XI deficiency [letter] Mustafa MH, et al. **Ann Intern Med** 1987 Mar;106(3):477–8

Density-dependent perception of triatomine bug bites. Schofield CJ, et al. **Ann Trop Med Parasitol** 1986 Jun; 80(3):351–8

Responses of raphe-spinal neurons to stimulation of the pontine parabrachial region producing behavioral nociceptive suppression in the cat. Katayama Y, et al. **Appl Neurophysiol** 1986;49(3):112–20

Facial numbness and dysesthesia. New features of carotid artery dissection. Francis KR, et al. **Arch Neurol** 1987 Mar; 44(3):345–6

Evaluation of an exaggerated somatosensory deficit with symptom validity testing [letter] Pankratz L, et al. **Arch Neurol** 1987 Aug;44(8):798

Abnormal sensations of the pharyngo-larynx. Ishiyama E, et al. **Auris Nasus Larynx** 1986;13 Suppl 1:S105–13

Chasing, arousal and sensation seeking in off-course gamblers. Dickerson M, et al. **Br J Addict** 1987 Jun; 82(6):673–80

Detecting hysterical sensory symptoms: an elaboration of the forced choice technique. Miller E. **Br J Clin Psychol** 1986 Sep;25 (Pt 3):231–2

Alloaesthesia. Kawamura M, et al. **Brain** 1987 Feb;110 (Pt 1):225–36

Sensory changes after treatment of operable breast cancer. Karydas I, et al. **Breast Cancer Res Treat** 1986;8(1):55–9

Atypical motor neuron disease with features of a multisystem degeneration: a non-familial case with prominent sensory involvement. Moss TH, et al. **Clin Neuropathol** 1987 Mar–Apr;6(2):55–60

Sensory modulation of juvenile play in rats. Siviy SM, et al. **Dev Psychobiol** 1987 Jan;20(1):39–55

Sensory reinnervation in reconstruction of the foot. Chang KN, et al. **Foot Ankle** 1986 Oct;7(2):124–32

Repair of sensory nerves distal to the wrist. Wray RC Jr. **Hand Clin** 1986 Nov;2(4):767–72

Arousal and sensation-seeking components in the general explanation of gambling and gambling addictions. Brown RI. **Int J Addict** 1986 Sep–Oct;21(9–10):1001–16

Effect of thoracoabdominal breathing patterns on inspiratory effort sensation. Fitting JW, et al. **J Appl Physiol** 1987 Apr; 62(4):1665–70

Sensory preference and overselective responding in autistic children. Kolko DJ, et al. **J Autism Dev Disord** 1980 Sep; 10(3):259–71

The effect of rate of increase of electrical current on the sensation thresholds of teeth. Abdel Wahab MH, et al. **J Dent Res** 1987 Mar;66(3):799–801

Lower extremity burns related to sensory loss in diabetes mellitus. Katcher ML, et al. **J Fam Pract** 1987 Feb; 24(2):149–51

Two-point discrimination tester [letter] Braun RM. **J Hand Surg [Am]** 1986 Sep;11(5):770–1

The effects of sensory changes in older persons. Zegeer LJ. **J Neurosci Nurs** 1986 Dec;18(6):325–32

Nerve sharing by an interpositional sural nerve graft between the great auricular and inferior alveolar nerve to restore lower lip sensation. LaBanc JP, et al. **J Oral Maxillofac Surg** 1987 Jul;45(7):621–7

Neurosensory disturbance with rigid fixation of the bilateral sagittal split osteotomy. Nishioka GJ, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):20–6

Evaluation of the regenerative capacity of the inferior alveolar nerve following surgical trauma. Upton LG, et al. **J Oral Maxillofac Surg** 1987 Mar;45(3):212–6

Prospective study of dysesthesia following odontectomy of impacted mandibular third molars. Wofford DT, et al. **J Oral Maxillofac Surg** 1987 Jan;45(1):15–9

The prediction of drug use among college students from MMPI, MCMI, and sensation seeking scales. Jaffe LT, et al. **J Pers Assess** 1987 Summer;51(2):243–53

My thigh feels dead, doctor [letter] Connolly A. **J R Army Med Corps** 1987 Jun;133(2):120

Sensory capabilities of the fetus. Bernhardt J. **MCN** 1987 Jan–Feb;12(1):44–6

Sensory reinnervation and sensibility in skin transplants. Hermanson A, et al. **Med Biol** 1987;65(1):49–52

Phantom breast sensation [letter] Abraham SF, et al. **Med J Aust** 1983 Jan 8;1(1):9

Parkinson's disease: sensory and motor problems in arms and hands. Schneider JS, et al. **Neurology** 1987 Jun;37(6):951–6

Alterations in sensorimotor development: relationship to postnatal alcohol exposure. Kelly SJ, et al. **Neurotoxicol Teratol** 1987 May–Jun;9(3):243–51

Numbness: a discussion and a case report. Kozam G. **NY State Dent J** 1987 Jun–Jul;53(6):27–9

Sensory-affective relationships among different types of clinical and experimental pain. Price DD, et al. **Pain** 1987 Mar;28(3):297–307

An exploratory study of the relationship between type A and sensation-seeking behavior. Frantz ME. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):531–6

Orosensory perception and articulatory proficiency in hearing-impaired adults. Lieberth AK, et al. **Percept Mot Skills** 1987 Apr;64(2):611–7

Assessing the influence of sensory interaction of balance. Suggestion from the field. Shumway-Cook A, et al. **Phys Ther** 1986 Oct;66(10):1548–50

Chemosensory dysfunction. Clinical evaluation results from a taste and smell clinic. Goodspeed RB, et al. **Postgrad Med** 1987 Jan;81(1):251–7, 260

Afferent C-fibres and visceral sensation. Iggo A. **Prog Brain Res** 1986;67:29–36

The visceral sensations—some basic mechanisms. Paintal AS. **Prog Brain Res** 1986;67:3–19

Sensory innervation of the lungs and airways. Widdicombe JG. **Prog Brain Res** 1986;67:49–64

Visceral inputs to sensory pathways in the s nal cord. Willis WD Jr. **Prog Brain Res** 1986;67:207–25

A short Sensation-Seeking Scale. Madsen DB, et al. **Psychol Rep** 1987 Jun;60(3 Pt 2):1179–84

Cutaneous sensory impairment in rheumatoid atlanto-axial subluxation assessed quantitatively by electrical stimulation. Toolanen G. **Scand J Rheumatol** 1987;16(1):27–32

Painless compressive cervical myelopathy with false localizing sensory findings. Simmons Z, et al. **Spine** 1986 Nov;11(9):869–72

[Observation of the relative specificity between the stimulated auricular point and propagated sensation along channel (PSC)] Liu WZ, et al. **Chen Tzu Yen Chiu** 1986; 11(2):158–61 (Eng. Abstr.) **(Chi)**

[Bladder globus in the origin of paresthesic meralgia (letter)] Amarenco P, et al. **Presse Med** 1987 Jul 4;16(26):1287–8 **(Fre)**

[An investigation on abnormal sensation in the throat in young generation] Yamagiwa M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):50–8 (Eng. Abstr.) **(Jpn)**

[The abnormal sensation in the throat and serum ferritin] Zusho H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Dec; 89(12):1761–6 (Eng. Abstr.) **(Jpn)**

[Dissociative sensory disturbance after removal of an arteriovenous malformation in the posterior thalamic region] Namba S, et al. **No To Shinkei** 1986 Oct; 38(10):981–6 (Eng. Abstr.) **(Jpn)**

[Trigeminal somatosensory evoked potentials: II. Some clinical experiences] Seki Y, et al. **No To Shinkei** 1987 May; 39(5):455–62 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Characteristics of pyridoxine overdose neuropathy syndrome. Dalton K, et al. **Acta Neurol Scand** 1987 Jul;76(1):8–11

Narcotics do not alter the heat response of unmyelinated primary afferents in monkeys. Raja SN, et al. **Anesthesiology** 1986 Nov;65(5):468–73

Carbachol-induced increases in locus coeruleus spontaneous activity are associated with an altered pattern of response to sensory stimuli. Valentino RJ, et al. **Neurosci Lett** 1987 Mar 9;74(3):297–303

[Effect of glucose on the convergent properties of neurons of the lateral hypothalamic field of the medial portion of the hypothalamus] Smirnov SI, et al. **Fiziol Zh SSSR** 1987 May;73(5):624–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

On the manner in which sensory and cognitive processes contribute to epileptogenesis, and are disrupted by it. Wilkins AJ. **Acta Neurol Scand [Suppl]** 1986;109:91–5

Relationships between near surface blood flow and altered sensations among spinal cord injured veterans. Sherman RA, et al. **Am J Phys Med** 1986 Dec;65(6):281–97

Psychophysics—an approach to the study of respiratory sensation and the assessment of dyspnea [editorial] Altose MD. **Am Rev Respir Dis** 1987 Jun;135(6):1227–8

The relation of inspiratory effort sensation to fatiguing patterns of the diaphragm. Bradley TD, et al. **Am Rev Respir Dis** 1986 Dec;134(6):1119–24

Comparison of clinical dyspnea ratings and psychophysical measurements of respiratory sensation in obstructive airway disease. Mahler DA, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1229–33

Parietal and frontal eye field neglect in the rat. Crowne DP, et al. **Behav Brain Res** 1986 Dec;22(3):227–31

Diminished ability to interpret and report internal states after bilateral medial temporal resection: case H.M. Hebben N, et al. **Behav Neurosci** 1985 Dec;99(6):1031–9

Infarction in the territory of the anterior choroidal artery. A clinical and computerized tomographic study of 16 cases. Decroix JP, et al. **Brain** 1986 Dec;109 (Pt 6):1071–85

Sensory effects in man of lesions of the posterior columns and of some other afferent pathways. Nathan PW, et al. **Brain** 1986 Oct;109 (Pt 5):1003–41

Effects of stimulating the subcoeruleus-parabrachial region on the non-noxious and noxious responses of T1–T5 spinothalamic tract neurons in the primate. Girardot MN, et al. **Brain Res** 1987 Apr 14;409(1):19–30

Neuronal organization of rat thalamus for processing information of vibrissal movements. Sumitomo I, et al. **Brain Res** 1987 Jul 14;415(2):389–92

Interneurons in the tritocerebrum of the crayfish. Tautz J. **Brain Res** 1987 Mar 31;407(2):230–9

Peripheral course and intramucosal distribution of the laryngeal sensory nerve fibers of cats. Yoshida Y, et al. **Brain Res Bull** 1986 Jul;17(1):95–105

Processing of sensory information in the hippocampus. Deadwyler SA, et al. **CRC Crit Rev Clin Neurobiol** 1987; 2(4):335–55 (132 ref.)

Comparison of median and radial nerve sensory latencies in the electrophysiological diagnosis of carpal tunnel syndrome. Carroll GJ. **Electroencephalogr Clin Neurophysiol** 1987 Mar;68(2):101–6

Single vibrissal cortical column in the mouse labeled with 2-deoxyglucose. Chmielowska J, et al. **Exp Brain Res** 1986; 63(3):607–19

M.I.T./Canadian vestibular experiments on the Spacelab-1 mission: 1. Sensory adaptation to weightlessness and readaptation to one-g: an overview. Young LR, et al. **Exp Brain Res** 1986;64(2):291–8

Mechanical frequency detection thresholds in the human face. Barlow SM. **Exp Neurol** 1987 May;96(2):253–61

Sensory influences on food intake and utilization in humans. Mattes RD. **Hum Nutr Appl Nutr** 1987 Apr;41(2):77–95

Aging and posture control: changes in sensory organization and muscular coordination. Woollacott MH, et al. **Int J Aging Hum Dev** 1986;23(2):97–114

Neuromagnetic evidence of synchronized spontaneous activity in the brain following repetitive sensory stimulation. Narici L, et al. **Int J Neurosci** 1987 Feb; 32(3–4):831–6

Somatosensory evoked potentials and the dorsal column myth. Greenberg JA, et al. **J Clin Neurophysiol** 1987 Apr; 4(2):189–96

Morphology of physiologically identified thalamocortical relay neurons in the rat ventrobasal thalamus. Harris RM. **J Comp Neurol** 1986 Sep 22;251(4):491–505

Cortical and peripheral effects on single neurons of the lateral reticular nucleus in the monkey. Marini G, et al. **J Comp Neurol** 1987 Feb 22;256(4):581–9

Structural and functional characteristics of commissural neurons in the superior colliculus of the hamster. Rhoades RW, et al. **J Comp Neurol** 1986 Nov 8;253(2):197–215

Topographic representation of lower and upper teeth within the trigeminal sensory nuclei of adult cat as demonstrated by the transganglionic transport of horseradish peroxidase. Shigenaga Y, et al. **J Comp Neurol** 1986 Sep 15; 251(3):299–316

Initiation of swimming activity by trigger neurons in the leech subesophageal ganglion. III. Sensory inputs to Tr1 and Tr2. Brodfuehrer PD, et al. **J Comp Physiol [A]** 1986 Oct;159(4):511–9

Gating of sensory information: joint computations of phase and amplitude data in the midbrain of the electric fish, Eigenmannia. Heiligenberg W, et al. **J Comp Physiol [A]** 1986 Sep;159(3):311–24

Somesthetic sensitivity in young and elderly humans. Kenshalo DR Sr. **J Gerontol** 1986 Nov;41(6):732–42

Transcutaneous electrical nerve stimulation produces variable changes in somatosensory evoked potentials, sensory perception and pain threshold: clinical implications for pain relief. Golding JF, et al. **J Neurol Neurosurg Psychiatry** 1986 Dec;49(12):1397–406

Paroxysmal sensory-motor attacks due to a spinal cord lesion identified by MRI. Sozzi G, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):490–2

The sensory contribution of a single vibrissa's cortical barrel. Hutson KA, et al. **J Neurophysiol** 1986 Oct;56(4):1196–223

Sensory latency and reaction time: dependence on contrast polarity and early linearity in human vision. Burkhardt DA, et al. **J Opt Soc Am [A]** 1987 Mar;4(3):530–9

Effect of vibration on force sensation in fatigued muscle. Cafarelli E, et al. **Med Sci Sports Exerc** 1986 Oct; 18(5):516–21

Cephalic phase metabolic responses in normal weight adults. Bruce DG, et al. **Metabolism** 1987 Aug;36(8):721–5

Subcortical neglect: quantitation, anatomy, and recovery. Ferro JM, et al. **Neurology** 1987 Sep;37(9):1487–92

Acute pure sensory paraneoplastic neuropathy with perivascular endoneurial inflammation: ultrastructural study of capillary walls. Vallat JM, et al. **Neurology** 1986 Oct;36(10):1395–9

About the cheiro-oral syndrome. Valzelli L. **Neurology** 1987 Sep;37(9):1564–5

A neural metric. Erickson RP. **Neurosci Biobehav Rev** 1986 Winter;10(4):377–86

Task-dependent gating of somatosensory transmission in two different motor tasks in man: falling and writing. Dietz V, et al. **Neurosci Lett** 1987 Apr 10;75(3):288–92

Effects of midbrain stimulation and iontophoretic application of serotonin, noradrenaline, morphine and GABA on electrical thresholds of afferent C- and A-fibre terminals in cat spinal cord. Carstens E, et al. **Neuroscience** 1987 May;21(2):395–406

Perioral somatosensory but not visual inputs to the flank of the mouse superior colliculus. Wiener SI, et al. **Neuroscience** 1987 May;21(2):557–64

Psychophysical assessment of tactile, pain and thermal sensory functions in burning mouth syndrome. Grushka M, et al. **Pain** 1987 Feb;28(2):169–84

Referred sensations in chronic pain patients. Katz J, et al. **Pain** 1987 Jan;28(1):51–9

A mechanism of new pain following cordotomy; reference of sensation. Nagaro T, et al. **Pain** 1987 Jul;30(1):89–91

Pharmacological subtraction of the sensory controls over grasping in rats. Pellis SM, et al. **Physiol Behav** 1987; 39(1):127–33

Hippocampal substrate of sensory associations. Port RL, et al. **Physiol Behav** 1987;39(5):643–7

Sensibility and cutaneous reinnervation in free flaps. Hermanson A, et al. **Plast Reconstr Surg** 1987 Mar; 79(3):422–7

The recovery of sensory function following skin flaps in humans. Woodward KL, et al. **Plast Reconstr Surg** 1987 Mar;79(3):428–35

Visceral sensation. **Prog Brain Res** 1986;67:1–324

Specificity of connections in the ventroposterior nuclei of the thalamus. Dykes RW, et al. **Prog Neurobiol** 1988; 30(1):87–103 (73 ref.)

Sensory changes with age—impact on psychological well-being. Winogrond IR. **Psychiatr Med** 1984 Apr; 2(1):1–26 (91 ref.)

Responses of spinothalamic tract cells in the cat cervical spinal cord to innocuous and graded noxious stimuli. Ferrington DG, et al. **Somatosens Res** 1986;3(4):339–58

Cerebral magnetic fields evoked by peroneal nerve stimulation. Kaukoranta E, et al. **Somatosens Res** 1986; 3(4):309–21

Somatotopic organization and response characteristics of dorsal horn neurons in the cervical spinal cord of the cat. Sorkin LS, et al. **Somatosens Res** 1986;3(4):323–38

[A preliminary report on the low impedance nature of the epidermis of the line of latent propagating sensation along the channel] Zhu ZX, et al. **Chen Tzu Yen Chiu** 1986; 11(1):66–7 (Eng. Abstr.) **(Chi)**

[Relation between the phenomenon of propagated sensation along channels and disease. Clinical observations of 418 cases] Liu CZ. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Aug; 6(8):474–6, 453 (Eng. Abstr.) **(Chi)**

[Cortical somatosensory evoked potentials following median and tibial nerve stimulation in multiple sclerosis; relation to sensory disorders and duration of the disease] Bräu H, et al. **EEG EMG** 1987 Jun;18(2):92–6 (Eng. Abstr.) **(Ger)**

[Determination of corneal sensitivity] Draeger J. **Fortschr Ophthalmol** 1987;84(1):22–7 (Eng. Abstr.) **(Ger)**

[Measuring the sensitivity before and following breast reduction-plasty in 2 competitive surgical procedures] Giebel GD, et al. **Langenbecks Arch Chir** 1986;369:299–301 (Eng. Abstr.) **(Ger)**

[Clinical study of sensory disorders of the hand in leprosy] Narita M, et al. **Nippon Rai Gakkai Zasshi** 1986 Jan-Mar; 55(1):1–12 (Eng. Abstr.) **(Jpn)**

[Value of testing vibration sensation in diagnosing spondylogenic pain syndromes] Ruzikowski E. **Neurol Neurochir Pol** 1986 Nov-Dec;20(6):553–7 (Eng. Abstr.) **(Pol)**

[Pain and consciousness] Trabka J. **Postepy Hig Med Dosw** 1986 Sep-Oct;40(5):604–11 (10 ref.) (Eng. Abstr.) **(Pol)**

[The genesis of respiration-related sensations] Breslav IS, et al. **Fiziol Zh** 1987 May-Jun;33(3):116–21 (41 ref.) (Eng. Abstr.) **(Rus)**

[Responses of neurons of the thermoregulatory center to exposure to various sensory modalities] Dymnikova LP. **Fiziol Zh SSSR** 1987 Apr;73(4):547–9 **(Rus)**

[Responses of neurons of the lateral cerebellar nucleus of the alert cat to somatosensory stimulation] Oganesian EA, et al. **Fiziol Zh SSSR** 1987 May;73(5):637–43 (Eng. Abstr.) **(Rus)**

[Spatial distribution of hippocampal responses to dental pulp stimulation and acoustic clicks] Brankachk Iu, et al. **Neirofiziologiia** 1987;19(1):36–46 (Eng. Abstr.) **(Rus)**

[Features of activation of reticulospinal neurons of the pons and medulla oblongata of the cat by somatosensory stimuli of different modalities] Karpukhina MV, et al. **Neirofiziologiia** 1986;18(4):461–9 (Eng. Abstr.) **(Rus)**

[Convergence and interaction of reticulofugal and afferent impulses on caudate nucleus neurons in the cat] Litvinova AN, et al. **Neirofiziologiia** 1987;19(1):101–10 (Eng. Abstr.) **(Rus)**

[Role of cortical inhibition in heterosensory interaction of neurons of the sensomotor cortex of the cat] Vasil'eva LA, et al. **Neirofiziologiia** 1987;19(2):147–56 (Eng. Abstr.) **(Rus)**

[Status of different types of sensitivity in preschool children] Shogam II, et al. **Zh Nevropatol Psikhiatr** 1986;86(9):1343–8 (Eng. Abstr.) **(Rus)**

SENSE ORGANS

see related
RECEPTORS, SENSORY

ANATOMY & HISTOLOGY

The West Indian manatee (Trichechus manatus) lacks a vomeronasal organ. Mackay-Sim A, et al. **Brain Behav Evol** 1985;27(2–4):186–94

[Structure and synaptic organization of the osphradium of the lamellibranch mollusk Unio pectorum] Kamardin NN. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):5–10 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Autoradiographic evidence for receptor cell renewal in the olfactory epithelium of a snail. Chase R, et al. **Brain Res** 1986 Oct 8;384(2):232–9

DRUG EFFECTS

[Effects of aspartic acid in the electroreceptors of the skate] Akoev GN, et al. **Neirofiziologiia** 1987;19(1):61–7 (Eng. Abstr.) **(Rus)**

[Analysis of the effect of glutamic acid diethyl ester on synaptic processes in the ampullae of Lorenzini of the skate]

Akoev GN, et al. **Neirofiziologiia** 1987;19(3):323–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ontogenesis of the antennal activity associated with food transfer in the callow worker ant. Morel L. **Dev Psychobiol** 1986 Sep;19(5):413–26

INNERVATION

Characteristics of interneurons in the ocellar system of the honeybee. Milde JJ. **Exp Biol** 1986;46(1):1–9 (47 ref.)

The origin of 5-HT fibers of the tentacular sensory organs of Cryptomphalus aspersa. An immunocytochemical study following transection of the cerebro-tentacular connective. Flores V, et al. **J Neurobiol** 1986 Sep;17(5):563–8

Neuroactive substances in inner ear extracts. Sewell WF, et al. **J Neurosci** 1987 Aug;7(8):2465–75

Projections of two subclasses of vomeronasal nerve fibers to the accessory olfactory bulb in the rabbit. Mori K, et al. **Neuroscience** 1987 Jan;20(1):259–78

PHYSIOLOGY

The role of the vomeronasal organ in behavioral control of reproduction. Johns MA. **Ann NY Acad Sci** 1986; 474:148–57 (78 ref.)

Extinction of response to urine odor as a consequence of vomeronasal organ removal in male guinea pigs. Beauchamp GK, et al. **Behav Neurosci** 1985 Oct;99(5):950–5

Environmental influences on acoustic and electric animal communication. Brenowitz EA. **Brain Behav Evol** 1986; 28(1–3):32–42

Sexual differences in neural tuning and their effect on active space. Wilczynski W. **Brain Behav Evol** 1986;28(1–3):83–94

Sexually dimorphic mechanosensitive swimmeret sensilla affect abdominal posture in the lobster. Kotak VC, et al. **J Neurobiol** 1986 Sep;17(5):421–9

Trans-sexually grafted antennae alter pheromone-directed behaviour in a moth. Schneiderman AM, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):801–3

[Model of the bicercal mechanism of constant direction perception of a mechano-acoustic signal in the insect] Rozhkova GI. **Neirofiziologiia** 1987;19(1):53–61 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Vitamin A deficiency and sensory function. Biesalski HK, et al. **Acta Vitaminol Enzymol** 1985;7 Suppl:45–54 (40 ref.)

ULTRASTRUCTURE

Metamorphic changes within the lateral-line system of Anura. Wahnschaffe U, et al. **Anat Embryol (Berl)** 1987; 175(4):431–42

[Problems in preparing the antennal sensilla of insects for scanning studies] Kassner J, et al. **Wiad Parazytol** 1987; 33(1):93–7 (Eng. Abstr.) **(Pol)**

[Surface structure of the olfactory organ of marine teleosts] Doroshenko MA, et al. **Arkh Anat Gistol Embriol** 1986 Oct;91(10):38–47 (Eng. Abstr.) **(Rus)**

SENSITIVITY AND SPECIFICITY (EPIDEMIOLOGY)

Rethinking sensitivity and specificity. Hlatky MA, et al. **Am J Cardiol** 1987 May 1;59(12):1195–8

Definitions of sensitivity, specificity, false negative results, and false positive results [letter] Kolins MD. **Am J Obstet Gynecol** 1987 Aug;157(2):517–8

Optimistic bias in the assessment of sensitivity and specificity [letter] Hilden J. **J Chronic Dis** 1986;39(10):853–6

Likelihood ratio and the febrile child [letter] Chakrabortty SB. **J Fam Pract** 1986 Dec;23(6):536–7

[Determining factors of ecologic fallacy and procedures for its control] Gili Miner M, et al. **Rev Sanid Hig Publica (Madr)** 1986 Mar–Apr; 60(3–4):297–307 (Eng. Abstr.) **(Spa)**

SENSITIVITY, CONTACT see **DERMATITIS, CONTACT**

SENSITIVITY TRAINING GROUPS

Effects of large group awareness training on participants' psychiatric status. Lieberman MA. **Am J Psychiatry** 1987 Apr;144(4):460–4

The use of written reports in a brief group psychotherapy training. Aveline M. **Int J Group Psychother** 1986 Jul; 36(3):477–82

SENSITIZATION, IMMUNOLOGIC see **IMMUNIZATION**

SENSORY AIDS

Active-passive paradigm in assessing CCTV-aided reading. Faubert J, et al. **Am J Optom Physiol Opt** 1987 Jan; 64(1):23–8

Vibrotactile stimulation for the adventitiously deaf: an alternative to cochlear implantation. Leder SB, et al. **Arch Phys Med Rehabil** 1986 Oct;67(10):754–8

The perceptual "window" in two-handed braille: do the left and right hands process text simultaneously? Millar S. **Cortex** 1987 Mar;23(1):111–22

The effect of non-visual preview upon the walking speed of visually impaired people. Clark-Carter DD, et al. **Ergonomics** 1986 Dec;29(12):1575–81

Identification of ground materials with the aid of tapping sounds and vibrations of long canes for the blind. Schenkman BN. **Ergonomics** 1986 Aug;29(8):985–98

A multibus-compatible interface to selected reading displays for the blind. Steele RD, et al. **IEEE Trans Biomed Eng** 1986 Sep;33(9):896–8

Image reversal process helps low vision patients [letter] Kraut JA. **J Cataract Refract Surg** 1986 Sep;12(5):534

An inexpensive and portable talking-tactile terminal for the visually handicapped. Karshmer AI, et al. **J Med Syst** 1986 Jun;10(3):229–44

Development and preliminary evaluation of an earmold sound-to-tactile aid for the hearing-impaired. Weisenberger JM, et al. **J Rehabil Res Dev** 1987 Spring; 24(2):51–66

Word and feature identification by profoundly deaf teenagers using the Queen's University tactile vocoder. Brooks PL, et al. **J Speech Hear Res** 1987 Mar;30(1):137–41

A new baby-alarm based on tenseness of the cry signal. Lundh P. **Scand Audiol** 1986;15(4):191–6

Low vision aids--evaluation in a general eye department. Humphry RC, et al. **Trans Ophthalmol Soc UK** 1986;105 (Pt 3):296–303

[Aids for the hard-of-hearing and deaf] Sytstra C, et al. **Ned Tijdschr Geneeskd** 1987 Apr 25;131(17):731–4 **(Dut)**

[An electronic visual aid using a luminance amplifier in night vision disorders] Alaux F, et al. **J Fr Ophtalmol** 1986; 9(3):191–7 (Eng. Abstr.) **(Fre)**

[Vision aids for patients with senile exudative macular degeneration. Comparison of spontaneous fibrovascular scars and scotomas induced by photocoagulation] Beuchat L, et al. **Ophthalmologica** 1986;193(3):135–42 (Eng. Abstr.) **(Fre)**

[Aphasia without amusia in a blind organist. Verbal alexia-agraphia without musical alexia-agraphia in braille] Signoret JL, et al. **Rev Neurol (Paris)** 1987;143(3):172–81 (Eng. Abstr.) **(Fre)**

[A computer-controlled telephone exchange for improving the occupational possibilities of blind patients] Fischbach F. **Rehabilitation (Stuttg)** 1986 Nov;25(4):173–8 (Eng. Abstr.) **(Ger)**

[Experimental study of tactile discrimination and confusion of Braille symbols] Schürings I. **Z Exp Angew Psychol** 1987; 34(2):318–30 (Eng. Abstr.) **(Ger)**

SENSORY DEPRIVATION

see related
MENTAL RETARDATION, PSYCHOSOCIAL

Flotation rest as a smoking intervention. Forgays DG. **Addict Behav** 1987;12(1):85–90

The effects of neonatal monocular enucleation on the organization of ipsilateral and contralateral retinothalamic projections in the rabbit. Grigonis AM, et al. **Brain Res** 1986 Sep;394(1):9–19

[3H]muscimol binding of GABA receptors in the visual cortex of normal and monocularly deprived cats. Mower GD, et al. **Brain Res** 1986 Aug 20;380(2):253–60

The combined effects of unilateral enucleation and rearing in a "dim" red light on synapse-to-neuron ratios in the rat superior colliculus. Mackay D, et al. **J Comp Neurol** 1987 Feb 15;256(3):444–53

Somatosensory theory and personal violence (suicide and homicide). Lester D. **J Soc Psychol** 1986 Oct;126(5):681–3

Effect of light deprivation upon the morphology of axon terminals in the dorsal lateral geniculate nucleus of mouse: an electron microscopical study using serial sections. Prada C. **Neurosci Res** 1987 Apr;4(4):255–67

DRUG EFFECTS

Concentration-dependent suppression by beta-adrenergic antagonists of the shift in ocular dominance following monocular deprivation in kitten visual cortex. Shirokawa T, et al. **Neuroscience** 1986 Aug;18(4):1035–46

PHYSIOLOGY

Spatiotemporal receptive field structure of neurons in the lateral geniculate nucleus of binocularly deprived cats. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1986; 46(5–6):261–79

Permanent deficit of interocular transfer in binocularly deprived cats. Zabłocka T, et al. **Acta Neurobiol Exp (Warsz)** 1986;46(5–6):281–92

A comparison of the spectral sensitivities of monkeys with anisometropic and stimulus deprivation amblyopia. Smith EL 3d, et al. **Behav Brain Res** 1986 Oct;22(1):13–24

Eye-closure procedure and the visual deficit after unilateral ablation of the occipital lobe in the rabbit. van Hof MW, et al. **Behav Brain Res** 1987 May;24(2):157–9

Visual acuity in esotropic cats following occlusion of the non-deviating eye. Whittle EJ, et al. **Behav Brain Res** 1987 May;24(2):101–9

Timing of 6-hydroxydopamine administration influences its effects on visual cortical plasticity. Allen EE, et al. **Brain Res** 1987 Mar;429(1):53–8

Effects of monocular occlusion and diffusion on visual system development in the cat. Christen WG, et al. **Brain Res** 1987 Jul 14;415(2):233–41

The accessory optic system of the monocularly deprived cat. Grasse KL, et al. **Brain Res** 1987 Feb;428(2):229–41

Evidence for a threshold in experience-dependent long-term changes of kitten visual cortex. Greuel JM, et al. **Brain Res** 1987 Jul;431(1):141–9

Increase in the density of geniculocortical afferents to layer I after reverse suture in kittens. Kato N. **Brain Res** 1986 Oct 29;386(1–2):393–6

Differential effect of functional olfactory deprivation on the GABAergic and catecholaminergic traits in the rat main olfactory bulb. Kosaka T, et al. **Brain Res** 1987 Jun 9; 413(1):197–203

Effects of reduced numbers of lateral geniculate Y-cells on development of ocular dominance in cat striate cortex. McCall MA, et al. **Brain Res** 1987 Aug;431(2):235–43

Attention to central and peripheral visual space in a movement detection task. III. Separate effects of auditory deprivation and acquisition of a visual language. Neville HJ, et al. **Brain Res** 1987 Mar 10;405(2):284–94

Ultrastructural effects of monocular deprivation in the neuropil of nucleus rotundus in the zebra finch: a quantitative electron microscopic study. Nixdorf B, et al. **Brain Res** 1987 Mar 10;405(2):326–36

Maps of auditory cortex in cats reared after unilateral cochlear ablation in the neonatal period. Reale RA, et al. **Brain Res** 1987 Aug;431(2):281–90

The effects of monocular deprivation on the visual latency of geniculate X- and Y-cells in the cat. Sestokas AK, et al. **Brain Res** 1986 Nov;395(1):93–5

Changes in the size of cells in the monocular segment of the primate lateral geniculate nucleus during normal development and following visual deprivation. Sloper JJ, et al. **Brain Res** 1987 Feb;428(2):267–76

Effects of enucleation at different ages on the sizes of neurons in the lateral geniculate nucleus of infant and adult monkeys. Sloper JJ, et al. **Brain Res** 1987 Feb;428(2):259–65

Effects of deprivation of vision and vibrissae on goal-directed locomotion in cats. Crémieux J, et al. **Exp Brain Res** 1986; 65(1):229–34

The quantitative effects of dark-rearing and light exposure on the laminar composition and depth distribution of neurons and glia in the visual cortex (area 17) of the rat. Gabbott PL, et al. **Exp Brain Res** 1986;64(1):225–32

Effects of monocular deprivation in the nucleus rotundus of zebra finches: a Nissl and deoxyglucose study. Herrmann K, et al. **Exp Brain Res** 1986;64(1):119–26

Effects of monocular deprivation on the cat's geniculate neurons projecting to both areas 17 and 18. Geisert EE. **J Comp Neurol** 1987 Jan 15;255(3):416–24

Visual experience and the maturation of the ipsilateral visuotectal projection in Xenopus laevis. Keating MJ, et al. **Neuroscience** 1987 May;21(2):519–27

[Functional evaluation of the operator under sensory deficit conditions] Baevskiĭ RM, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):676–8 **(Rus)**

[Neurophysiologic mechanisms of visual and auditory deprivation] Novikova LA. **Fiziol Cheloveka** 1986 Sep–Oct; 12(5):844–56 (52 ref.) **(Rus)**

SENSORY MOTOR PERFORMANCE see **PSYCHOMOTOR PERFORMANCE**

SENSORY NEUROPATHY, HEREDITARY see **NEUROPATHY, HEREDITARY SENSORY**

SENSORY THRESHOLDS

Visual threshold estimation and its relation to the question: Fechner-law or Stevens-power function. Thoss F. **Acta Neurobiol Exp (Warsz)** 1986;46(5–6):303–10

Comparison of Hoffmann reflex with quantitative assessment of cutaneous sensation in diabetic neuropathy. Bertelsmann FW, et al. **Acta Neurol Scand** 1986 Aug;74(2):121–7

Pain perception vs. pain response in burn patients. Perry SW, et al. **Am J Nurs** 1987 May;87(5):698–9

Effect of repeated testing on contrast sensitivity. Kelly SA, et al. **Am J Optom Physiol Opt** 1987 Apr;64(4):241–5

Measuring contrast sensitivity [letter] Rizzo M. **Ann Neurol** 1986 Sep;20(3):374–5

Sensory perception threshold measurement: an evaluation of semiobjective testing devices. Halar EM, et al. **Arch Phys Med Rehabil** 1987 Aug;68(8):499–507

Temperature effect on antidromic and orthodromic sensory nerve action potential latency and amplitude. Tashjian EA, et al. **Arch Phys Med Rehabil** 1987 Sep;68(9):549–52

Prediction of thresholds and latency on the basis of experimentally determined impulse responses. Blommaert FJ, et al. **Biol Cybern** 1987;56(5–6):329–44

Saccadic eye movements and the detection of fast-moving gratings. Deubel H, et al. **Biol Cybern** 1987;57(1–2):37–45

Threshold perception and saccadic eye movements. Deubel H, et al. **Biol Cybern** 1986;54(6):351–8

The effect of saccades on threshold perception--a model study. Elsner T, et al. **Biol Cybern** 1986;54(6):359–66

Short-term effect of intraocular pressure variation on differential light threshold and colour vision. Drance SM, et al. **Can J Ophthalmol** 1987 Jun;22(4):221–5

Neuronal response thresholds to and encoding of thermal stimuli during carrageenin-hyperalgesic-inflammation in the ventro-basal thalamus of the rat. Guilbaud G, et al. **Exp Brain Res** 1987;66(2):421–31

Aortic diastolic caliber changes as a determinant for complete aortic baroreceptor resetting. Krieger EM. **Fed Proc** 1987 Jan;46(1):41–5

Limits of phase and amplitude sensitivity in the torus semicircularis of Eigenmannia. Rose G, et al. **J Comp Physiol [A]** 1986 Dec;159(6):813–22

Patterned response to odor in mammalian olfactory bulb: the influence of intensity. Meredith M. **J Neurophysiol** 1986 Sep;56(3):572–97

Effects of aging, hearing loss, and anatomical location on thresholds of inferior colliculus neurons in C57BL/6 and CBA mice. Willott JF. **J Neurophysiol** 1986 Aug; 56(2):391–408

Two mechanisms for the detection of slow motion. Boulton JC. **J Opt Soc Am [A]** 1987 Aug;4(8):1634–42

Retinal ganglion-cell density and receptive-field size as determinants of photopic flicker sensitivity across the human visual field. Raninen A, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1620–6

Effect of ambient light on electronically displayed medical images as measured by luminance-discrimination thresholds. Rogers DC, et al. **J Opt Soc Am [A]** 1987 May; 4(5):976–83

Aliasing in the parafovea with incoherent light. Smith RA, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1530–4

Retinal limits to the detection and resolution of gratings. Thibos LN, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1524–9

Two-point resolution near detection threshold. Toet A, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1448–54

Analysis of visual modulation sensitivity. III. Meridional variations in peripheral flicker sensitivity. Tyler CW. **J Opt Soc Am [A]** 1987 Aug;4(8):1612–9

Cortical magnification and peripheral vision. Virsu V, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1568–78

Cone spacing and the visual resolution limit. Williams DR, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1514–23

Peripheral hyperacuity: isoeccentric bisection is better than radial bisection. Yap YL, et al. **J Opt Soc Am [A]** 1987 Aug;4(8):1562–7

A mechanism for exact sensory adaptation based on receptor modification. Segel LA, et al. **J Theor Biol** 1986 May 21; 120(2):151–79

Increase of vibration threshold during wrist flexion in patients with carpal tunnel syndrome. Borg K, et al. **Pain** 1986 Aug; 26(2):211–9

Quantification of changes in myofascial trigger point sensitivity with the pressure algometer following passive stretch. Jaeger B, et al. **Pain** 1986 Nov;27(2):203–10

Alterations in physiological functions and in brain monoamine content in the sympathectomized rats. Lin LS, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Jul; 10(3):191–5

[Hygienic evaluation of pulsatile local vibration in industrial and experimental situations] Zhuravlev AB, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):30–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of substance P analogues in the rat tail-flick test. Couture R, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):355–9

PHYSIOLOGY

Thresholds for the detection of the direction of whole-body, linear movement in the horizontal plane. Benson AJ, et al. **Aviat Space Environ Med** 1986 Nov;57(11):1088–96

Temperature and vibration thresholds in vibration syndrome. Ekenvall L, et al. **Br J Ind Med** 1986 Dec;43(12):825–9

Quantitative sensory examination in diabetic children: assessment of thermal discrimination. Heimans JJ, et al. **Diabetic Med** 1987 May–Jun;4(3):251–3

Odor thresholds by forced-choice dynamic triangle olfactometry: reproducibility and methods of calculation. Dravnieks A, et al. **J Air Pollut Control Assoc** 1986 Aug; 36(8):900–5

Local and remote modifications of nociceptive sensitivity during carrageenin-induced inflammation in the rat. Kayser V, et al. **Pain** 1987 Jan;28(1):99–107

On the relation between summation and facilitation. Pelli DG. **Vision Res** 1987;27(1):119–23

Interocular sensitization to a rod-detected test. Reeves A, et al. **Vision Res** 1986;26(7):1119–27

SEPHAROSE

Hydroxyapatite formation in collagen, gelatin, and agarose gels. Hunter GK, et al. **Coll Relat Res** 1986 Jul;6(3):229–38

Preparation of agarose with low net negative charge density using an inexpensive anion exchanger. Polson A, et al. **Prep Biochem** 1986;16(4):309–19

Immunoadsorption of human plasma with protein A-sepharose columns. Branda RF, et al. **Transfusion** 1986 Sep–Oct;26(5):471–7

ANALOGS & DERIVATIVES

Interaction of tubulin with the macromolecular apolar probe, octyl sepharose. Prasad AR, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):949–55

Accessibility and multivalency of immobilized Cibacron blue F3GA. Liu YC, et al. **J Biol Chem** 1987 Jan 15;262(2):583–8

Quantitative determination of the ligand in phenyl-sepharose FF with proton nuclear magnetic resonance and derivative ultraviolet spectroscopy. Johansson BL, et al. **J Chromatogr** 1987 Apr 3;391(2):448–51

A progesterone receptor affinity chromatography reagent: 17 alpha-hexynyl nortestosterone sepharose. Salman M, et al. **J Steroid Biochem** 1987 Mar;26(3):383–91

Photosensitizing effects of hematoporphyrin derivative immobilized on sepharose. Gibson SL, et al. **Photochem Photobiol** 1987 Jan;45(1):93–104

Separation of chymosin and pepsin in calf rennet by dye-ligand affinity chromatography. Subramanian S. **Prep Biochem** 1987;17(3):297–312

[Method of synthesizing affinity sorbents using cyanobrominated sepharose as a base] Iakubovskaia RI, et al. **Lab Delo** 1987;(7):536–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunization of mice and rabbits by intrasplenic deposition of nanogram quantities of protein attached to Sepharose beads or nitrocellulose paper strips. Nilsson BO, et al. **J Immunol Methods** 1987 May 4;99(1):67–75

METABOLISM

Fibrinogen–sepharose interaction with prothrombin, prethrombin 1, prethrombin 2 and thrombin. Kaczmarek E, et al. **Biochim Biophys Acta** 1987 Aug 21;914(3):275–82

SEPTAL NUCLEI

Spontaneous and graft-induced behavioral recovery after 6-hydroxydopamine lesion of the nucleus accumbens in the rat. Choulli K, et al. **Brain Res** 1987 Mar 31; 407(2):376–80

Evidence to support the influence of the nucleus accumbens on drug-induced psychopathology. Wray SR, et al. **West Indian Med J** 1986 Dec;35(4):306–13

ANALYSIS

Central catecholamines, cognitive impairment, and affective state in elderly schizophrenics and controls. Bridge TP, et al. **Biol Psychiatry** 1987 Feb;22(2):139–47

Tail-pinch stress increases extracellular DOPAC levels (as measured by in vivo voltammetry) in the rat nucleus accumbens but not frontal cortex: antagonism by diazepam and zolpidem. D'Angio M, et al. **Brain Res** 1987 Apr 14; 409(1):169–74

Neurotensin in projection neurons of the striatum and nucleus accumbens, with reference to coexistence with enkephalin and GABA: an immunohistochemical study in the cat. Sugimoto T, et al. **J Comp Neurol** 1987 Mar 15; 257(3):383–95

ANATOMY & HISTOLOGY

The dopaminergic innervation of the ventral striatum in the rat: a light- and electron-microscopical study with antibodies against dopamine. Voorn P, et al. **J Comp Neurol** 1986 Sep 1;251(1):84–99

Somatostatin 28 and neuropeptide Y innervation in the septal area and related cortical and subcortical structures of the human brain. Distribution, relationships and evidence for differential coexistence. Gaspar P, et al. **Neuroscience** 1987 Jul;22(1):49–73

CYTOLOGY

A Golgi study on the nucleus accumbens septi of the rat. Rueda J, et al. **J Hirnforsch** 1986;27(5):515–20

Cholecystokinin-immunoreactive boutons in synaptic contact with hippocampal pyramidal neurons that project to the nucleus accumbens. Totterdell S, et al. **Neuroscience** 1986 Sep;19(1):181–92

DRUG EFFECTS

Chronic cocaine administration induces opposite changes in dopamine receptors in the striatum and nucleus accumbens. Goeders NE, et al. **Alcohol Drug Res** 1987;7(4):207–16

The facilitative effects of intraseptal 6-hydroxydopamine injections on time discrimination behavior in rats. Iwamoto T, et al. **Behav Neural Biol** 1985 May;43(3):311–6

Effects of opiate manipulations on latent inhibition in rabbits: sensitivity of the medial septal region to intracranial treatments. Gallagher M, et al. **Behav Neurosci** 1987 Jun; 101(3):315–24

Suppression of exploratory locomotor activity and increase in dopamine turnover following the local application of cis-flupenthixol into limbic projection areas of the rat striatum. Ahlenius S, et al. **Brain Res** 1987 Jan 27; 402(1):131–8

Control of the neuronal rhythmic bursts in the septal pacemaker of theta-rhythm: effects of anaesthetic and anticholinergic drugs. Brazhnik ES, et al. **Brain Res** 1986 Aug 13;380(1):94–106

Effect of lead exposure on dopaminergic receptors in rat striatum and nucleus accumbens. Govoni S, et al. **Brain Res** 1986 Aug 27;381(1):138–42

Electroacupuncture and morphine analgesia potentiated by bestatin and thiorphan administered to the nucleus accumbens of the rabbit. Jin WQ, et al. **Brain Res** 1986 Aug 20;380(2):317–24

Acute thioridazine stimulates mesolimbic but not nigrostriatal dopamine release: demonstration by in vivo electrochemistry. Lane RF, et al. **Brain Res** 1987 Apr 7; 408(1–2):317–20

In vivo electrochemical analysis of cholecystokinin-induced inhibition of dopamine release in the nucleus accumbens. Lane RF, et al. **Brain Res** 1986 Nov 5;397(1):200–4

Increased food intake after opioid microinjections into nucleus accumbens and ventral tegmental area of rat. Mucha RF, et al. **Brain Res** 1986 Nov 12;397(2):214–24

Effect of chronic antidepressant treatment on noradrenergic modulation of [3H]dopamine release from rat nucleus accumbens and striatal slices. Russell VA, et al. **Brain Res** 1987 Apr 28;410(1):78–82

Parenterally administered GM1 ganglioside prevents retrograde degeneration of cholinergic cells of the rat basal forebrain. Sofroniew MV, et al. **Brain Res** 1986 Nov 29; 398(2):393–6

Sensitization occurs to the locomotor effects of morphine and the specific mu opioid receptor agonist, DAGO, administered repeatedly to the ventral tegmental area but not to the nucleus accumbens. Vezina P, et al. **Brain Res** 1987 Aug 4;417(1):51–8

Chronic haloperidol decreases dopamine release in striatum and nucleus accumbens in vivo: depolarization block as a possible mechanism of action. Lane RF, et al. **Brain Res Bull** 1987 Jan;18(1):135–8

Central integration of cardiovascular and drinking responses elicited by central administration of angiotensin II: divergence of regulation by the ventral tegmental area and nucleus accumbens. Jones DL. **Can J Physiol Pharmacol** 1986 Jul;64(7):1011–6

The hypomotility elicited by small doses of apomorphine seems exclusively mediated by dopaminergic systems in the nucleus accumbens. Radhakishun FS, et al. **Eur J Pharmacol** 1987 May 7;137(1):41–7

Effects of sulpiride injected into the dorsal striatum and the nucleus accumbens on dopamine-mediated oral stereotypy and hyperlocomotion in rats. Koshikawa N, et al. **J Nihon Univ Sch Dent** 1986 Jun;28(2):109–16

6-hydroxydopamine treatments enhance behavioral responses to intracerebral microinjection of D1- and D2-dopamine agonists into nucleus accumbens and striatum without changing dopamine antagonist binding. Breese GR, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):167–76

Activation of excitatory amino acid receptors may mediate the folate-induced stimulation of locomotor activity after bilateral injection into the rat nucleus accumbens. Stephens RL Jr, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):627–33

Bovine serum albumin--haloperidol as a tool for the study of dopaminergic transmission: behavioural and neurochemical effects following a single injection in the nucleus accumbens. Taghzouti K, et al. **Life Sci** 1987 Jan 12;40(2):127–37

Influence of antipsychotics on presynaptic receptors modulating the release of dopamine in synaptosomes of the nucleus accumbens of rats. Hetey L, et al. **Neuropharmacology** 1986 Oct;25(10):1103–9

Inhibition by phencyclidine of excitatory amino acid-stimulated release of neurotransmitter in the nucleus accumbens. Jones SM, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):173–9

Modification of the function of D1 and D2 dopamine receptors in striatum and nucleus accumbens of rats chronically treated with haloperidol. Memo M, et al. **Neuropharmacology** 1987 May;26(5):477–80

Folate induced-hypermotility response after bilateral injection into the nucleus accumbens of the rat. Possible mediation through dopaminergic mechanisms. Stephens RL Jr, et al. **Neuropharmacology** 1986 Aug;25(8):887–96

Chronic treatment with classical and atypical antipsychotic drugs differentially decreases dopamine release in striatum and nucleus accumbens in vivo. Blaha CD, et al. **Neurosci Lett** 1987 Jul 22;78(2):199–204

Agonist action of the agonist/antagonist analgesic butorphanol on dopamine metabolism in the nucleus accumbens of the rat. Iyengar S, et al. **Neurosci Lett** 1987 Jun 15;77(2):226–30

Acute effects of methamphetamine applied microiontophoretically to nucleus accumbens neurons in rats. Hara M, et al. **Neurosci Res** 1987 Apr;4(4):279–90

Intra-nucleus accumbens amphetamine: dose-dependent effects on food intake. Evans KR, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1149–51

Stimulatory effect of N-methyl aspartate on locomotor activity and transmitter release from rat nucleus accumbens. Hamilton MH, et al. **Pharmacol Biochem Behav** 1986 Nov; 25(5):943–8

Effects of 5,7-dihydroxytryptamine lesions of the nucleus accumbens on rat intravenous morphine self-administration. Smith JE, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):607–12

Nucleus accumbens opiate-dopamine interactions and locomotor activation in the rat: evidence for a pre-synaptic locus. Swerdlow NR, et al. **Pharmacol Biochem Behav** 1987 Apr;26(4):765–9

Cholecystokinin-induced inhibition of dopamine neurotransmission: comparison with chronic haloperidol treatment. Lane RF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):291–9

The nucleus accumbens and antidepressants: modulation of ergometrine-induced hyperactivity by typical and atypical antidepressants and neuroleptics in rats. Cools AR. **Psychopharmacology (Berlin)** 1987;92(3):350–7

[Effect of the atypical neuroleptics carbidine and sulpiride

on dopamine biosynthesis in the synaptosomes of the nucleus accumbens septi in rats] Kudrin VS, et al. **Farmakol Toksikol** 1987 Mar-Apr;50(2):16-20 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Tyrosine hydroxylase immunochemistry and quantitative light microscopic studies of the mesolimbic dopamine system in rat brain: effects of chronic methamphetamine administration. Trulson ME, et al. **Brain Res Bull** 1987 Feb; 18(2):269-77

Opposite effects of sulfated cholecystokinin on DA-sensitive adenylate cyclase in two areas of the rat nucleus accumbens. Studler JM, et al. **Eur J Pharmacol** 1986 Jul 15;126(1-2):125-8

METABOLISM

Characterization of the synaptosomal high-affinity uptake of noradrenaline in the nucleus accumbens of rats. Hetey L, et al. **Biomed Biochim Acta** 1986;45(9):1203-7

Evidence for a tonic facilitatory influence of substance P on dopamine release in the nucleus accumbens. Elliott PJ, et al. **Brain Res** 1986 Oct 22;385(2):379-82

N-acetyl-aspartylglutamate: binding sites and excitatory action in the dorsolateral septum of rats. Joëls M, et al. **Brain Res** 1987 Feb 10;403(1):192-7

Enkephalin release into the ventral tegmental area in response to stress: modulation of mesocorticolimbic dopamine. Kalivas PW, et al. **Brain Res** 1987 Jun 30;414(2):339-48

Differential reactivity of dopaminergic neurons in the nucleus accumbens in response to different behavioral situations. An in vivo voltammetric study in free moving rats. Louilot A, et al. **Brain Res** 1986 Nov 12;397(2):395-400

Modulation of cholecystokinin release from posterior nucleus accumbens by D-2 dopamine receptor. Martin JR, et al. **Brain Res** 1986 Nov 12;397(2):253-8

A direct comparison of amphetamine-induced behaviours and regional brain dopamine release in the rat using intracerebral dialysis. Sharp T, et al. **Brain Res** 1987 Jan 20;401(2):322-30

D-2 receptor stimulation inhibits cyclic AMP formation brought about by D-1 receptor stimulation in rat neostriatum but not nucleus accumbens. Stoof JC, et al. **Eur J Pharmacol** 1986 Sep 23;129(1-2):205-6

D-1 dopamine receptor stimulation enables the inhibition of nucleus accumbens neurons by a D-2 receptor agonist. White FJ. **Eur J Pharmacol** 1987 Mar 3;135(1):101-5

Studies in postmortem dopamine uptake. I. Kinetic characterization of the synaptosomal dopamine uptake in rat and human brain after postmortem storage and cryopreservation. Comparison with noradrenaline and serotonin uptake. Haberland N, et al. **J Neural Transm** 1987; 68(3-4):289-301

Effects of an anxiogenic benzodiazepine receptor ligand on motor activity and dopamine release in nucleus accumbens and striatum in the rat. Brose N, et al. **J Neurosci** 1987 Sep;7(9):2917-26

Preferential stimulation of dopamine release in the nucleus accumbens of freely moving rats by ethanol. Imperato A, et al. **J Pharmacol Exp Ther** 1986 Oct;239(1):219-28

Presynaptic control of dopamine metabolism in the nucleus accumbens. Lack of effect of buspirone as demonstrated using in vivo voltammetry. Louilot A, et al. **Life Sci** 1987 May 18;40(20):2017-24

B-HT 920 and B-HT 958: presynaptic effects on electrically evoked 3H-dopamine release from slices of rat nucleus accumbens. Cichini G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jan; 335(1):28-31

Acute administration of clozapine, thioridazine and metoclopramide increases extracellular DOPAC and decreases extracellular 5-HIAA, measured in the nucleus accumbens and striatum of the rat using in vivo voltammetry. Maidment NT, et al. **Neuropharmacology** 1987 Feb-Mar;26(2-3):187-93

Locomotor activity in relation to dopamine and noradrenaline in the nucleus accumbens, septal and frontal areas: a 6-hydroxydopamine study. Oades RD, et al. **Neuropsychobiology** 1986;16(1):37-42

Paleocerebellar stimulation induces in vivo release of endogenously synthesized [3H]dopamine and [3H]norepinephrine from rat caudal dorsomedial nucleus accumbens. Dempsey CW, et al. **Neuroscience** 1987 May; 21(2):565-71

The ventral septal area: electrophysiological evidence for putative arginine vasopressin projections onto thermoresponsive neurons. Disturnal JE, et al. **Neuroscience** 1986 Nov;19(3):795-802

Increased dopamine metabolism in the nucleus accumbens and striatum following consumption of a nutritive meal but not a palatable non-nutritive saccharin solution. Blackburn JR, et al. **Pharmacol Biochem Behav** 1986 Nov; 25(5):1095-100

Reversal by cholecystokinin of apomorphine-induced inhibition of dopamine release in the nucleus accumbens of the rat. Blaha CD, et al. **Regul Pept** 1987 Jun; 17(6):301-10

[Regulation of 3H-dopamine release by presynaptic GABA and glutamate heteroreceptors in the synaptosomes of the rat nucleus accumbens] Kovalev GI, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):75-8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Behavioral effects of intraaccumbens transplants in rats with lesions of the mesocorticolimbic dopamine system. Choulli K, et al. **Ann NY Acad Sci** 1987;495:497-509

The septo-hippocampal pathway in patients suffering from senile dementia of Alzheimer's type. Evidence for neuronal plasticity? Gertz HJ, et al. **Neurosci Lett** 1987 May 6; 76(2):228-32

PHYSIOLOGY

Chemical microstimulation of the septal area lowers arterial pressure in the rat. Gelsema AJ, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R760-7

Evaluation of stressor effects on intracranial self-stimulation from the nucleus accumbens and the substantia nigra in a current intensity paradigm. Bowers WJ, et al. **Behav Brain Res** 1987 Jan;23(1):85-93

Mesolimbic noradrenaline: specificity, stability and dose-dependency of individual-specific responses to mesolimbic injections of alpha-noradrenergic agonists. Cools AR, et al. **Behav Brain Res** 1987 Jul;25(1):49-61

Alterations in regulatory behaviors induced by medial septal lesions and superior cervical ganglionectomy. Harrell LE, et al. **Brain Res** 1987 Apr 7;408(1-2):131-40

Differential and asymmetrical behavioral effects of electrolytic or 6-hydroxydopamine lesions in the nucleus accumbens. Kubos KL, et al. **Brain Res** 1987 Jan 13; 401(1):147-51

Septo-hippocampal neurons: altered properties in the aged rat. Lamour Y, et al. **Brain Res** 1987 Jul 28;416(2):277-82

Antipyretic action of centrally administered arginine vasopressin but not oxytocin in the cat. Naylor AM, et al. **Brain Res** 1986 Oct 15;385(1):156-60

Lesions of the dorsomedial nucleus of the thalamus, medial prefrontal cortex and pedunculopontine nucleus: effects on locomotor activity mediated by nucleus accumbens-ventral pallidal circuitry. Swerdlow NR, et al. **Brain Res** 1987 Jun 2;412(2):233-43

Does cholecystokinin potentiate dopamine action in the nucleus accumbens? Wang RY, et al. **Brain Res** 1986 Aug 20;380(2):363-7

Unit activity in the nucleus triangularis septi of the rat following blood pressure changes or vasoactive peptides, and electrically stimulated blood pressure decreases. de Beaurepaire R, et al. **Brain Res Bull** 1987 Mar;18(3):467-71

Cardiovascular and drinking responses elicited by central administration of angiotensin II: differential effects of GABA injected into the ventral tegmental area and spiperone injected into the nucleus accumbens. Jones DL. **Brain Res Bull** 1986 Aug;17(2):265-9

Rat lateral septum in slice preparation with viable transmission. Urban IJ. **Exp Neurol** 1987 Jan;95(1):1-12

Depletion of dopamine in the caudate nucleus but not in nucleus accumbens impairs reaction-time performance in rats. Amalric M, et al. **J Neurosci** 1987 Jul;7(7):2129-34

A1 noradrenergic input to medial preoptic-medial septal area: an electrophysiological study. Kim YI, et al. **Neuroendocrinology** 1987 Jan;45(1):77-85

Modulation of dopamine function by glycine in the nucleus accumbens of the brain of the rat. Barnes JC, et al. **Neuropharmacology** 1986 Dec;25(12):1347-51

Behavioral evidence for the involvement of endogenous opioids in the interaction between cholecystokinin and brain dopamine systems. Király I, et al. **Neurosci Lett** 1987 Mar 9;74(3):343-7

Retrograde cell changes in medial septum and diagonal band following fimbria-fornix transection: quantitative temporal analysis. Gage FH, et al. **Neuroscience** 1986 Sep; 19(1):241-55

Effects of septal and hippocampal stimuli on paraventricular nucleus neurons. Saphier D, et al. **Neuroscience** 1987 Mar; 20(3):749-55

Studies on the mesolimbic loop of antinociception--II. A serotonin-enkephalin interaction in the nucleus accumbens. Xuan YT, et al. **Neuroscience** 1986 Oct;19(2):403-9

Stimulation of food intake following opioid microinjection into the nucleus accumbens septi in rats. Majeed NH, et al. **Peptides** 1986 Sep-Oct;7(5):711-6

The role of brain catecholamines in the exhibition of muricide induced by nucleus accumbens lesions and the effect of antidepressants in rats. Al-Khatib IM, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):351-5

Defensive aggression toward an experimenter: no differences between males and females following septal, medial accumbens, or medial hypothalamic lesions in rats. Albert DJ, et al. **Physiol Behav** 1986;38(1):11-4

6-Hydroxydopamine lesions of the nucleus accumbens, but not of the caudate nucleus, attenuate enhanced responding with reward-related stimuli produced by intra-accumbens d-amphetamine. Taylor JR, et al. **Psychopharmacology (Berlin)** 1986;90(3):390-7

[Analgesic effect of septal stimulation and the intraseptal opiate receptor on visceral pain] Huang XH, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):367-76 (Eng. Abstr.) **(Chi)**

[Comparative characteristics of septal "burst" neurons after elimination of afferent effects of the reticular formation in the rabbit] Brazhnik ES. **Zh Vyssh Nerv Deiat** 1986 Jul-Aug;36(4):721-9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hippocampal seizures and striatal regulation: a possible functional pathway. La Grutta V, et al. **Neurosci Lett** 1986 Dec 23;72(3):277-82

SECRETION

Preferential stimulation of dopamine release in the nucleus accumbens by opiates, alcohol, and barbiturates: studies with transcerebral dialysis in freely moving rats. Di Chiara G, et al. **Ann NY Acad Sci** 1986;473:367-81

Effects of K+-stimulation and precursor loading on the in vivo release of dopamine, serotonin and their metabolites in the nucleus accumbens of the rat. Guan XM, et al. **Life Sci** 1987 Jun 29;40(26):2579-86

TRANSPLANTATION

Spatial learning and memory following fimbria-fornix transection and grafting of fetal septal neurons to the hippocampus. Nilsson OG, et al. **Exp Brain Res** 1987; 67(1):195-215

ULTRASTRUCTURE

Choline acetyltransferase-immunoreactive neurons and terminals in the rat septal complex: a combined light and electron microscopic study. Bialowas J, et al. **J Comp Neurol** 1987 May 8;259(2):298-307

SEPTICEMIA

Ecthyma gangrenosum without bacteremia or necrotic cellulitis: a localized form of septic vasculitis [letter] Hurwitz RM. **Arch Intern Med** 1987 Aug;147(8):1513

A prospective study of septicaemia in Zaria, northern Nigeria. Idoko JA, et al. **East Afr Med J** 1986 Aug; 63(8):515-21

Septic melioidosis after a visit to Southeast Asia. Bouvy JJ, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):655-6

Puerperal Pasteurella multocida septicemia. Greif Z, et al. **Eur J Clin Microbiol** 1986 Dec;5(6):657-8

Bacillaemia in smear negative leprosy [letter] Jayapal V, et al. **Indian J Lepr** 1986 Oct-Dec;58(4):661

Non-agglutinating vibrio (non 0-1 V. cholerae) septicemia. Lalitha MK, et al. **Indian J Pathol Microbiol** 1986 Jan; 29(1):27-30

Community-acquired bloodstream infection caused by Pseudomonas paucimobilis: case report and review of the literature. Morrison AJ Jr, et al. **J Clin Microbiol** 1986 Nov;24(5):853-5

Candida lusitaniae septicemia in a patient on extended home intravenous hyperalimentation. Terreni AA, et al. **J Med Vet Mycol** 1987 Feb;25(1):63-5

Candida sepsis. Smallhorne VE, et al. **J Natl Med Assoc** 1987 Apr;79(4):421-4

Early onset Campylobacter sepsis in a neonate. Forbes JC, et al. **Pediatr Infect Dis J** 1987 May;6(5):494

Prediction of outcome in sepsis. Stoner HB. **Prog Clin Biol Res** 1987;236B:25-31 (20 ref.)

Cryptogenic group A streptococcal bacteremia: experience at an urban general hospital and review of the literature. Bibler MR, et al. **Rev Infect Dis** 1986 Nov-Dec;8(6):941-51 (89 ref.)

Untreated pneumococcal bacteraemia of cryptic origin in the human adult with spontaneous recovery. Austrian R. **S Afr Med J** 1986 Oct 11;Suppl:46-9

[Pseudomonas cepacia septicemia in an intensive care unit. 14 cases (letter)] Bedock B, et al. **Presse Med** 1986 Nov 8;15(39):1973 **(Fre)**

[Bacteremia caused by Salmonella enteritidis (letter)] Torné Cachot J, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):566 **(Spa)**

BLOOD

Plasma fibronectin concentration in suspected septicaemia is related to severity of sepsis. Brodin B, et al. **Acta Chir Scand** 1986 Dec;152:721-6

The multifactorial basis for hypocalcemia during sepsis. Studies of the parathyroid hormone-vitamin D axis. Zaloga GP, et al. **Ann Intern Med** 1987 Jul;107(1):36-41

Inhibition of eicosanoid production by BW755C does not attenuate sepsis-induced alterations in glucose kinetics. Lang CH, et al. **Circ Shock** 1987;22(2):105-13

D-erythro-neopteria plasma levels in intensive care patients with and without septic complications. Strohmaier W, et al. **Crit Care Med** 1987 Aug;15(8):757-60

Pharmacokinetics of ceftazidime and netilmicin in patients with sepsis. Ganzinger U, et al. **Int J Clin Pharmacol Ther Toxicol** 1987 Jul;25(7):354-62

Antibiotic removal device [letter] de Silva MI. **J Natl Med Assoc** 1987 May;79(5):472, 569

Effect of sepsis and starvation on amino acid uptake in skeletal muscle. Warner BW, et al. **J Surg Res** 1987 Apr; 42(4):377-82

Factor XIII as a modulator of plasma fibronectin alterations during experimental bacteremia. Kiener JL, et al. **J Trauma** 1986 Nov;26(11):1013-23

Removal of bacteria from blood. Marks DH, et al. **Milit Med** 1987 Mar;152(3):156-60

Similarity in white blood cell counts between white and black children with bacteremia. Kline MW, et al. **Pediatr Infect Dis** 1986 Nov-Dec;5(6):636-9

Fibronectin and phagocytosis in acute and chronic infections. Bălună R, et al. **Physiologie** 1987 Jan–Mar;24(1):53–7
Fever is not responsible for the elevated glucose kinetics in sepsis. Lang CH, et al. **Proc Soc Exp Biol Med** 1987 Sep; 185(4):455–61
The proenzyme functional inhibition index as a predictor in septicemia. Aasen AO. **Prog Clin Biol Res** 1987; 236B:97–102
Elevated D-erythro-neopterin levels in intensive care patients with septic complications. Strohmaier W, et al. **Prog Clin Biol Res** 1987;236B:59–66
Uncontrolled plasma proteolysis: a major threat to the septicemic patient. Aasen AO, et al. **Resuscitation** 1986 Sep; 14(1–2):33–42
Blood cultures: issues and controversies. Washington JA 2d, et al. **Rev Infect Dis** 1986 Sep–Oct;8(5):792–802 (42 ref.)
Detection of tumour necrosis factor-like cytotoxicity in serum from patients with septicaemia but not from untreated cancer patients. Waage A, et al. **Scand J Immunol** 1986 Dec;24(6):739–43
Stability of endotoxin detected in human plasma against endotoxin-inactivating factor (EIF): quantitative analysis of EIF using chromogenic endotoxin assay. Yajima Y, et al. **Tohoku J Exp Med** 1986 Nov;150(3):317–25
[Sodium homeostasis in neonatal infection of eutrophic premature infants] Boehm G, et al. **Padiatr Padol** 1987; 22(2):149–55 (Eng. Abstr.) **(Ger)**
[Significance of blood picture changes in the diagnosis of neonatal sepsis] Forgács E, et al. **Orv Hetil** 1987 Mar 29; 128(13):683–5 (Eng. Abstr.) **(Hun)**
[Evaluation of serum ferritin levels in newborn infants with septicemia and pneumonia] Godula-Stuglik U, et al. **Pediatr Pol** 1986 Dec;61(12):798–802 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

[Treatment with enalapril causing leukopenia with septicemia and affected liver] Adriansson M, et al. **Lakartidningen** 1987 Apr 8;84(15):1270 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Fever without localizing signs and group B streptococcus bacteremia in two patients 90 days of age and older [letter] Strauss RH. **Am J Dis Child** 1987 Sep;141(9):940–1
Shigella bacteremia in patients with the acquired immune deficiency syndrome. Baskin DH, et al. **Am J Gastroenterol** 1987 Apr;82(4):338–41
Mycobacterium chelonei peritonitis due to hematogenous dissemination in a continuous ambulatory peritoneal dialysis patient. Selgas R, et al. **Am J Kidney Dis** 1987 Aug; 10(2):144–6
Polymicrobial sepsis and jaundice in a 46-year-old man [clinical conference] **Am J Med** 1986 Oct;81(4):649–54
Corynebacterium hemolyticum bacteremia with fatal neurologic complication in an intravenous drug addict. Chandrasekar PH, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):638–40
Pyomyositis and hepatic abscess in association with Aeromonas hydrophila sepsis. Kratzke RA, et al. **Am J Med** 1987 Aug;83(2):347–9
Listeria monocytogenes cerebritis, bacteremia, and cutaneous lesions complicating hairy cell leukemia. Salata RA, et al. **Am J Med** 1986 Dec;81(6):1068–72
Pulmonary permeability edema in a large animal model of nonpulmonary sepsis. A morphologic study. Craig I, et al. **Am J Pathol** 1987 Aug;128(2):241–51
A comparison between netilmicin with metronidazole and doxycycline as prophylaxis in elective colorectal surgery. Brolin J, et al. **Ann Chir Gynaecol** 1986;75(4):219–24
Bacteremic hypocalcemia. A comparison between the calcium levels of bacteremic and nonbacteremic patients with infection. Aderka D, et al. **Arch Intern Med** 1987 Feb; 147(2):232–6
Macronodular lesions associated with Staphylococcus aureus bacteremia. A condition that resembles a 'lymphocutaneous' syndrome. Saenz C, et al. **Arch Intern Med** 1987 Apr;147(4):793
Tenosynovitis in meningococcemia [letter] Pollet SM, et al. **Arthritis Rheum** 1987 Feb;30(2):232–3
Skin necrosis secondary to meningococcal septicaemia in an adult. Fielding GA, et al. **Aust NZ J Surg** 1987 Jan; 57(1):57–60
Pseudomonas pseudomallei (melioidosis): acute septicemia and meningitis in patient with systemic lupus erythematosus. Christenson-Bravo B, et al. **Bol Asoc Med PR** 1986 Aug;78(8):347–9
Necrotizing pneumonia in bacteraemic pneumococcal infection. Isaacs RD. **Br J Dis Chest** 1986 Jul;80(3):295–6
Pathophysiology of acute renal failure following living Escherichia coli injection in rats: high-energy metabolism and renal functions. Shimahara Y, et al. **Circ Shock** 1987; 21(3):197–205
Weaning failure due to acute neuromuscular disease [letter] Bolton CF. **Crit Care Med** 1987 Feb;15(2):180–1
C3a and adult respiratory distress syndrome after massive transfusion. Ketai LH, et al. **Crit Care Med** 1986 Dec; 14(12):1001–3
Thromboxane synthesis inhibition reverses group B Streptococcus-induced pulmonary hypertension. Tarpey MN, et al. **Crit Care Med** 1987 Jul;15(7):644–7
Group A streptococcal pharyngitis and bacteremia associated with a Ludwig's angina-like syndrome. Dolan S, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):323–6
Participation and interactions of neutrophil elastase in haemostatic disorders of patients with severe infections. Seitz R, et al. **Eur J Haematol** 1987 Mar;38(3):231–40
Acute meningococcal (group A) septicemia. Study during an epidemic with special reference to endotoxic shock. Sehgal SK, et al. **Indian Pediatr** 1986 Nov;23(11):937–41
Pyogenic liver abscess by haemophilus influenzae complicating hydatid cysts [letter] Ferrán M, et al. **Infection** 1986 Jul–Aug;14(4):197
Pericarditis in Erysipelothrix rhusiopathiae septicemia [letter] Quabeck K, et al. **Infection** 1986 Nov–Dec;14(6):301
Multifocal neurological impairment caused by infection-induced rise in blood lithium and amitriptyline. Pheterson AD, et al. **Int J Psychiatry Med** 1986–87; 16(3):257–62
Livedo reticularis and purpura: presenting features in fulminant pneumococcal septicemia in an asplenic patient. Rusonis PA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1120–2
Disseminated gonococcaemia with arthritis, tenosynovitis and moderately severe jaundice. Bhat A, et al. **J Assoc Physicians India** 1986 Jul;34(7):519–20
"Campylobacter cinaedi" bacteremia: case report and laboratory findings. Cimolai N, et al. **J Clin Microbiol** 1987 May;25(5):942–3
Pseudomonas stutzeri pneumonia and septicemia in a patient with multiple myeloma. Potvliege C, et al. **J Clin Microbiol** 1987 Feb;25(2):458–9
Non-pulmonary Rhodococcus equi infections in patients with acquired immune deficiency syndrome (AIDS). Fierer J, et al. **J Clin Pathol** 1987 May;40(5):556–8
Haemochromatosis presenting with a double Yersinia infection. Abbott M, et al. **J Infect** 1986 Sep;13(2):143–5
Five years' experience of bacteraemia in sickle-cell anaemia. Rao KR, et al. **J Infect** 1987 May;14(3):225–8
Relapsing fever and salmonella bacteraemia simultaneously affecting a healthy young man [letter] Shaked Y, et al. **J Infect** 1986 Nov;13(3):308–9
Congestive heart failure complicating Salmonella virchow septicaemia [letter] Taha A, et al. **J Infect** 1987 Jan; 14(1):85–6
Plasmodium falciparum malaria and Salmonella infections in Gambian children. Mabey DC, et al. **J Infect Dis** 1987 Jun;155(6):1319–21
Risk of iatrogenic septic arthritis in the presence of bacteremia: a rabbit study. Olney BW, et al. **J Pediatr Orthop** 1987 Sep–Oct;7(5):524–6
Staphylococcal bacteremia complicating septic prepatellar bursitis [letter] Smith DL, et al. **J Rheumatol** 1987 Jun; 14(3):634–5
Severe diarrhea in pneumococcal bacteremia [letter] **JAMA** 1987 Apr 10;257(14):1897–8
Severe diarrhea in pneumococcal bacteremia: croupous colitis [letter] del Rio C, et al. **JAMA** 1987 Jan 9;257(2):189
Streptococcus bovis bacteraemia and its association with alimentary-tract neoplasm [letter] Hønberg PZ, et al. **Lancet** 1987 Jan 17;1(8525):163–4
The prognostic significance of bacteremia in hepatic cirrhosis. Graudal N, et al. **Liver** 1987 Jun;7(3):138–41
Bacteremia in cirrhosis of the liver. Graudal N, et al. **Liver** 1986 Oct;6(5):297–301
Purpura fulminans in meningococcemia: association with acquired deficiencies of proteins C and S [letter] Powars DR, et al. **N Engl J Med** 1987 Aug 27;317(9):571–2
Pseudomonas septicemia with nodules and bullae. Fleming MG, et al. **Pediatr Dermatol** 1987 May;4(1):18–20
Uvulitis and Hemophilus influenzae b bacteremia. Wynder SG, et al. **Pediatr Emerg Care** 1986 Mar;2(1):23–5
Rhinocerebral mucormycosis in an infant with streptococcal sepsis and purpura fulminans. Lloyd TR, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):575–9
Shock in children with gram-negative bacillary sepsis and Haemophilus influenzae type b sepsis. Naqvi SH, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):512–5
Bacteremia in children afebrile at presentation to an emergency room. Kline MW, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):197–8
Pan-sialadenitis due to Staphylococcus aureus septicemia. Casselman JW, et al. **ROFO** 1986 Sep;145(3):346–7
Streptococcus bovis bacteraemia associated with candidal lesions of the large bowel in a leukaemic child. A case report. Berkowitz FE, et al. **S Afr Med J** 1987 Aug 1; 72(3):219–20
Group G streptococcal bacteremia in a chronically constipated adolescent. Hagen MD, et al. **South Med J** 1987 Aug;80(8):1056–7
[Interstitial pneumonia and L-form bacterial septicemia] Xue WL, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1987 Feb;10(1):35–7, 63 (Eng. Abstr.) **(Chi)**
[2 cases of shunt nephritis] Kingma PJ, et al. **Ned Tijdschr Geneeskd** 1987 Jun 20;131(25):1089–92 (Eng. Abstr.) **(Dut)**
[Salmonella bacteremia and generalized cryptococcosis, a double indicator of African AIDS] Rogerie F, et al. **Med Trop (Mars)** 1987 Apr–Jun;47(2):185–8 (Eng. Abstr.) **(Fre)**
[Aneurysm of the ulnar artery in Streptococcus bovis septicemia. First case (letter)] Bacourt F, et al. **Presse Med** 1987 Mar 14;16(9):450 **(Fre)**
[DF2 septicemia associated with purpura and respiratory distress syndrome in the adult (letter)] Perdrix JP, et al. **Presse Med** 1987 May 30;16(20):1006 **(Fre)**
[Purulent polyarthritis in Streptococcus B septicemia] Cottin S, et al. **Rev Rhum Mal Osteoartic** 1986 Dec;53(12):701–4 **(Fre)**
[Meningitis following lumbar puncture in bacteremia?] Wintergerst U, et al. **Monatsschr Kinderheilkd** 1986 Nov; 134(11):826–8 (Eng. Abstr.) **(Ger)**
[Austrian syndrome] Ben-Yaacov D, et al. **Harefuah** 1986 Dec 1;111(11):367–8 (Eng. Abstr.) **(Heb)**
[A case of sepsis, shock, disseminated intravascular coagulation, and necrotizing fasciitis caused by Vibrio vulnificus treated with early debridement] Sanai T, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1816–21 **(Jpn)**
[Rhabdomyolysis associated with staphylococcal septicemia] Saitoh H, et al. **Rinsho Shinkeigaku** 1986 Jul;26(7):693–7 (Eng. Abstr.) **(Jpn)**
[Bacterial arthritis in septicemia. Comments on 76 cases] Dimitriu SM, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Apr–Jun;90(2):237–42 (Eng. Abstr.) **(Rum)**
[Importance of bacteremia in children less than 2 years old with fever without manifest focus] Villa JR, et al. **An Esp Pediatr** 1986 Nov;25(5):317–21 (Eng. Abstr.) **(Spa)**
[Rheumatoid arthritis, amyloidosis and sepsis (clinical conference)] **Medicina (B Aires)** 1986;46(3):335–40 **(Spa)**

CONGENITAL

Early onset neonatal sepsis due to Neisseria meningitidis W135. Embree J, et al. **Pediatr Infect Dis J** 1987 Mar; 6(3):299–300
[Effect of hyperbilirubinemia on serum immunoglobulin levels in newborn infants with septicemia] Godula-Stuglik U. **Pediatr Pol** 1987 Jan;62(1):32–6 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Comparison of an agar slide blood culture device with Bactec 6B for the detection of bacteremia. Berger SA, et al. **Am J Clin Pathol** 1987 Feb;87(2):272–5
Reliability of blood cultures collected from intravascular catheter versus venipuncture. Bryant JK, et al. **Am J Clin Pathol** 1987 Jul;88(1):113–6
The value of outpatient blood cultures in the emergency department. Sklar DP, et al. **Am J Emerg Med** 1987 Mar; 5(2):95–100
Myopericarditis as an initial presentation of meningococcemia. Unusual manifestation of infection with serotype W135. Brasier AR, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):641–4
Septicemia due to DF-2. Cause of a false-positive cryptococcal latex agglutination result. Westerink MA, et al. **Am J Med** 1987 Jul;83(1):155–8
Neonatal candida septicaemia: diagnosis on buffy smear. Cattermole HE, et al. **Arch Dis Child** 1987 Mar;62(3):302–4
Blood cultures in neonates with percutaneous central venous catheters. Ramanathan R, et al. **Arch Dis Child** 1987 Jun; 62(6):621–3
Ecthyma gangrenosum without bacteremia. Report of six cases and review of the literature. Huminer D, et al. **Arch Intern Med** 1987 Feb;147(2):299–301
Candida parapsilosis diagnosed by peripheral blood smear. Monihan JM, et al. **Arch Pathol Lab Med** 1986 Dec; 110(12):1180–1
Detection of acetoin by head-space gas-liquid chromatography for rapid identification of bacteremia caused by Klebsielleae. Ho SW, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):9–14
The incubation period necessary for detection of bacteremia in immunocompetent children with fever. Implications for the clinician. Rowley AH, et al. **Clin Pediatr (Phila)** 1986 Oct;25(10):485–9
Improvement of positive blood culture detection by agitation. Hawkins BL, et al. **Diagn Microbiol Infect Dis** 1986 Sep; 5(3):207–13
Sepsis and septic shock. Ellrodt AG. **Emerg Med Clin North Am** 1986 Nov;4(4):809–40 (101 ref.)
Ethidium bromide stain for early detection of septicemia. Jiménez ML, et al. **Eur J Clin Microbiol** 1986 Dec; 5(6):680–1
Comparison of immunological methods for diagnosis of pneumococcal pneumonia in biological fluids. Lenthe-Eboa S, et al. **Eur J Clin Microbiol** 1987 Feb; 6(1):28–34
Current controversies in the detection of septicemia. Pierce G, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):487–91 (62 ref.)
Lysis centrifugation and slide blood culture systems for diagnosis of bacteremia in immunocompromised patients. Richet H, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):64–7
Diagnostic audit of C-reactive protein in neonatal infection. Mathers NJ, et al. **Eur J Pediatr** 1987 Mar;146(2):147–51
Polymicrobial bacteremia in a diabetic alcoholic. Moore GK, et al. **Hosp Pract [Off]** 1986 Nov 15;21(11):40–1
Bacteremic hemophilus influenzae pneumonia. Goshorn RK. **Indiana Med** 1987 Feb;80(2):148–9
Recurrent pseudobacteremias traced to a radiometric blood culture device. Bradley SF, et al. **Infect Control** 1987 Jul; 8(7):281–3
Is semiquantitative culture of central vein catheter tips useful

in the diagnosis of catheter-associated bacteremia? Collignon PJ, et al. **J Clin Microbiol** 1986 Oct;24(4):532–5
Clinical features and therapeutic interventions in 17 cases of Bacillus bacteremia in an immunosuppressed patient population. Cotton DJ, et al. **J Clin Microbiol** 1987 Apr; 25(4):672–4
Ewingella americana: recurrent pseudobacteremia from a persistent environmental reservoir. McNeil MM, et al. **J Clin Microbiol** 1987 Mar;25(3):498–500
Volume of blood submitted for culture from neonates. Neal PR, et al. **J Clin Microbiol** 1986 Sep;24(3):353–6
Yield, clinical significance, and cost of a combination BACTEC plus Septi-Chek blood culture system. Thomson RB Jr, et al. **J Clin Microbiol** 1987 May;25(5):819–23
Controlled evaluation of modified radiometric blood culture medium supplemented with gelatin for detection of bacteremia and fungemia. Weinstein MP, et al. **J Clin Microbiol** 1987 Aug;25(8):1373–5
C-reactive protein concentration in suspected bacteraemia [letter] Dryden MS. **J Clin Pathol** 1986 Dec;39(12):1363–4
Comparison of radiometric and gas capture systems for blood cultures [letter] Harper EA, et al. **J Clin Pathol** 1987 Feb; 40(2):243
Use of high speed centrifugation in early detection of bacteraemia. Sturm AW. **J Clin Pathol** 1986 Oct; 39(10):1157–8
Ludwig's angina and pneumococcal sepsis. Gridley J, et al. **J Emerg Med** 1986;4(3):201–4
Pour plate blood cultures to detect bacteraemias related to indwelling central venous catheters [letter] Weightman NC, et al. **J Hosp Infect** 1986 Sep;8(2):203–4
Enlarging erythematous macule: a cutaneous sign for fatal Aeromonas hydrophila septicemia. Leelarasamee A, et al. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:36–40
Shigella septicemia: a reminder. Musallam SS, et al. **J Med Liban** 1987;37(1):37–8
Meningococcal hepatitis: a case report. Cowan GO. **J Trop Med Hyg** 1987 Apr;90(2):95–6
Serological diagnosis of staphylococcal bacteraemia [letter] **Lancet** 1986 Nov 15;2(8516):1165–6
Prognosis of meningococcal septicaemia [letter] Sinclair JF, et al. **Lancet** 1987 Jul 4;2(8549):38
Delayed diagnosis of pneumococcal sepsis post-splenectomy [letter] Walker J, et al. **Lancet** 1987 Jan 31;1(8527):283
Haemophilus influenzae type b unsuspected bacteremia. Anderson AB, et al. **Pediatr Emerg Care** 1987 Jun;3(2):82–5
Predictors of persistently positive blood cultures in children with "occult" Salmonella bacteremia.Katz BZ, et al. **Pediatr Infect Dis** 1986 Nov-Dec;5(6):713–4
Incubation period necessary to detect bacteremia in neonates. Rowley AH, et al. **Pediatr Infect Dis** 1986 Sep-Oct; 5(5):590–1
Evaluation of routine lumbar punctures in newborn infants with respiratory distress syndrome. Eldadah M, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):243–6
Impaired sensitivity of a single early leukocyte count in screening for neonatal sepsis. Rozycki HJ, et al. **Pediatr Infect Dis J** 1987 May;6(5):440–2
Clinical evaluation in febrile patients of an optimized endotoxin assay in blood. van Deventer SJ, et al. **Prog Clin Biol Res** 1987;231:489–99
Occult life-threatening streptococcal septicaemia in the elderly. A report of 2 cases. Gordon GD, et al. **S Afr Med J** 1986 Dec 6;70(12):762–3
Are white blood cell count, platelet count, erythrocyte sedimentation rate and C-reactive protein useful in the diagnosis of septicaemia and endocarditis? Hellgren U, et al. **Scand J Infect Dis** 1986;18(5):487–8
Detection of bacteremia by buffy coat smears. Ristuccia PA, et al. **Scand J Infect Dis** 1987;19(2):215–7
Occult pneumococcal bacteremia and empyema without preceding pulmonary parenchymal involvement. Bennett MR, et al. **South Med J** 1987 Jun;80(6):774–7
Septic scarlet fever in 11th decade of life [letter] Stein DS, et al. **South Med J** 1987 Jun;80(6):798–9
Enterobacter bacteremia in surgical patients. Burchard KW, et al. **Surgery** 1986 Nov;100(5):857–62
Septic pylephlebitis following shigella bacteremia: case report. Vogel RA, et al. **Tex Med** 1986 Oct;82(10):35–6
Vibrio vulnificus septicemia: report of four cases. Kim JJ, et al. **Yonsei Med J** 1986;27(4):307–13
[Septicemia caused by Aeromonas hydrophila] Juhel A, et al. **Cah Anesthesiol** 1987 Jan-Feb;35(1):63–4 **(Fre)**
[Clinical value of endotoxin determination in infection. Comparison of the Limulus amebocyte lysate test with detection of bacterial pathogens] Watzke H, et al. **Acta Med Austriaca** 1987;14(1):21–4 (Eng. Abstr.) **(Ger)**
[Septic disease pictures in Salmonella infections] Allerberger FJ, et al. **Immun Infekt** 1986 Nov;14(6):199–202 (Eng. Abstr.) **(Ger)**
[Group B streptococcal panophthalmia in neonatal infection] Bialasiewicz AA, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):251–3 (Eng. Abstr.) **(Ger)**
[Toxic myocardial damage in meningococcal infection] Hohnloser SH, et al. **Med Klin** 1986 Dec 12; 81(25–26):821–3 (Eng. Abstr.) **(Ger)**
[Infection and neonatal meningitis: epidemiology, pathogen spectrum, therapy] Speer CP, et al. **Monatsschr Kinderheilkd** 1986 Nov;134(11):794–8 (Eng. Abstr.) **(Ger)**
[Early neonatal septicemia] Hals J, et al. **Tidsskr Nor Laegeforen** 1987 May 20;107(14):1228–30, 1232 (Eng. Abstr.) **(Nor)**
[Campylobacter jejuni septicemia] Harthug S, et al. **Tidsskr Nor Laegeforen** 1986 Aug 20;106(23):1810–1 (Eng. Abstr.) **(Nor)**
[Septicemia: clinico-laboratory analysis and prognostic factors in 50 inpatients in intensive care units] de Palva EF, et al. **AMB** 1986 Sep-Oct;32(9–10):169–74 (Eng. Abstr.) **(Por)**
[The express method of isolating hemocultures from the blood of patients] Ostrovskaia EA. **Lab Delo** 1986; (12):744–6 (Eng. Abstr.) **(Rus)**
[Shigellemia in a patient with the septic variant of the course of dysentery (clinical case)] Mebel' BD, et al. **Tr Inst Pastera** 1985;63:133–4 **(Rus)**

DRUG THERAPY

Effect of antibiotics on gram-negative sepsis in the rat. Lack of endotoxin burst. Almdahl SM, et al. **Acta Chir Scand** 1987 Apr;153(4):283–6
Hematogenous osteomyelitis in children. Rud B, et al. **Acta Orthop Scand** 1986 Oct;57(5):440–3
Role of appropriate antimicrobial therapy in outcome of enterococcal bacteremia [letter] DeCelis G, et al. **Am J Med** 1987 Jun;82(6):1283–4
Susceptibility testing of macrolide antibiotics against Haemophilus influenzae and correlation of in vitro results with in vivo efficacy in a mouse septicemia model. Fernandes PB, et al. **Antimicrob Agents Chemother** 1987 Aug;31(8):1243–50
Efficacy of teicoplanin in experimental group B streptococcal bacteremia and meningitis. Kim KS, et al. **Chemotherapy** 1987;33(3):177–82
Onset of Hemophilus influenzae type-b meningitis during cefaclor therapy for preseptal cellulitis. Brady MT, et al. **Clin Pediatr (Phila)** 1987 Mar;26(3):132–4
Cefotaxime monotherapy in septicemic patients with hematological malignancies. Plesner AM, et al. **Clin Ther** 1986;9(1):97–105
A comparison of six antistaphylococcal antibiotics. Wagner DS, et al. **Curr Surg** 1987 Mar-Apr;44(2):114–7
Measurement of serum bactericidal activity and use of vancomycin for treatment of nutritionally variant streptococcal bacteremia. Reimer LG. **Diagn Microbiol Infect Dis** 1987 Apr;6(4):319–22
Achromobacter xylosoxidans bacteremia [letter] Manzella JP. **Dig Dis Sci** 1987 Jul;32(7):781–2
Protective activity of habekacin and four other aminoglycosides in mouse septicaemia caused by Enterobacteriaceae. Rolin O, et al. **Drugs Exp Clin Res** 1986;12(11):885–7
Pneumonia complicated by bacteremia: therapeutic options. Mostow SR. **Hosp Pract [Off]** 1986 Dec 15;21(12):105–13
Ciprofloxacin treatment of recurrent Salmonella typhimurium septicaemia in a patient with acquired immune deficiency syndrome [letter] Connolly MJ, et al. **J Antimicrob Chemother** 1986 Nov;18(5):647–8
Treatment of septicaemia in immunocompromised patients with ceftazidime or with tobramycin and cefuroxime, with special reference to renal effects. Rödjer S, et al. **J Antimicrob Chemother** 1987 Jul;20(1):109–16
Comparative efficacy of different beta-lactam antibiotics and gentamicin in Klebsiella pneumoniae septicaemia in neutropenic mice. Trautmann M, et al. **J Antimicrob Chemother** 1986 Sep;18(3):387–91
Limitation of cusum plots in monitoring therapy of staphylococcal bacteraemia [letter] Ghosh HK. **J Infect** 1987 Jan;14(1):86–7
Ceftazidime alone for treating Pseudomonas aeruginosa septicaemia in neutropenic patients. Verhagen C, et al. **J Infect** 1986 Sep;13(2):125–31
Staphylococcus aureus bacteremia during therapy. Eng RH, et al. **J Infect Dis** 1987 Jun;155(6):1331–5
Effect of combined clofazimine and ansamycin therapy on Mycobacterium avium-Mycobacterium intracellulare bacteremia in patients with AIDS. Masur H, et al. **J Infect Dis** 1987 Jan;155(1):127–9
Treatment of children at risk for bacteremia [letter] Singer JI. **J Pediatr** 1987 Feb;110(2):331–2
Acute hematogenous osteomyelitis in children. LaMont RL, et al. **J Pediatr Orthop** 1987 Sep-Oct;7(5):579–83
Two neutropenic patients with multiple resistant Pseudomonas aeruginosa septicaemia treated with ciprofloxacin. Bendig JW, et al. **J R Soc Med** 1987 May; 80(5):316–7
Effect of high-dose glucocorticoid therapy on mortality in patients with clinical signs of systemic sepsis. The Veterans Administration Systemic Sepsis Cooperative Study Group. **N Engl J Med** 1987 Sep 10;317(11):659–65
Risk factors and response to antibiotic therapy in adults with bacteremic pneumonia caused by penicillin-resistant pneumococci. Pallares R, et al. **N Engl J Med** 1987 Jul 2;317(1):18–22
Comparative efficacy of ceftazidime vs. carbenicillin and amikacin for treatment of neonatal septicemia. Odio CM, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):371–7
A prospective randomised comparison of cefotaxime vs. netilmicin vs. cefotaxime plus netilmicin in the treatment of hospitalised patients with serious sepsis. Sage R, et al. **Scand J Infect Dis** 1987;19(3):331–7
Corticosteroids, nonsteroidal anti-inflammatory drugs, and naloxone in the sepsis syndrome. Long WM, et al. **World J Surg** 1987 Apr;11(2):218–25 (71 ref.)
[Study of the value of guidelines for he use of antibiotics in patients with sepsis] Admiraal JM, et al. **Ned Tijdschr Geneeskd** 1987 Mar 28;131(13):527–9 (Eng. Abstr.) **(Dut)**
[The value of guidelines for antibiotic administration in patients with sepsis (letter)] Frissen PH, et al. **Ned Tijdschr Geneeskd** 1987 May 30;131(22):967 **(Dut)**
[Experience with fosfomycin in the treatment of severe infections in a pediatric intensive care unit] Lagier P, et al. **Ann Pediatr (Paris)** 1987 Jun;34(6):457–61 (Eng. Abstr.) **(Fre)**
[Comparison of the efficacy of cefotaxime alone and the combination cefazolin-tobramycin in the treatment of enterobacterial septicemia] Arich C, et al. **Pathol Biol (Paris)** 1987 May;35(5):613–5 (Eng. Abstr.) **(Fre)**
[Acute reversible agranulocytosis during ceftriaxone treatment] Becq-Giraudon B, et al. **Pathol Biol (Paris)** 1986 May;34(5):534–5 (Eng. Abstr.) **(Fre)**
[Pseudomonas cepacia septicemias: therapeutic difficulties] Beytout J, et al. **Pathol Biol (Paris)** 1987 May;35(5):616–9 (Eng. Abstr.) **(Fre)**
[Importance of the study of the minimal bactericidal time of serum in the choice of optimal treatment of neonatal septicemias] Bingen E, et al. **Pathol Biol (Paris)** 1987 May; 35(5):599–602 (Eng. Abstr.) **(Fre)**
[Treatment of septicemias and skin infections in burn patient by teicoplanin. Study of its skin diffusion] Rio Y, et al. **Pathol Biol (Paris)** 1987 May;35(5):603–7 (Eng. Abstr.) **(Fre)**
[Curative activity of spiramycin adipate by parenteral route in experimental septicemia in mice. Comparison with orally administered basic spiramycin] Rolin O, et al. **Pathol Biol (Paris)** 1986 May;34(5):476–8 (Eng. Abstr.) **(Fre)**
[Emergencies in childhood. 5. Emergencies caused by septic infections] Schneeweiss B, et al. **Kinderarztl Prax** 1986 Aug; 54(8):425–30 (Eng. Abstr.) **(Ger)**
[Intra-arterial infusion treatment of mixed infection gangrene with cefotaxime sodium] Müller-Bühl U, et al. **Med Klin** 1986 Nov 11;81(23):751–2 (Eng. Abstr.) **(Ger)**
[Nontyphoid salmonella septicemia] Cohen A, et al. **Harefuah** 1987 Jan 1;112(1):5–7 (Eng. Abstr.) **(Heb)**
[In vivo evaluation of the effectiveness of a cefamandole-tobramycin combination] Prinz G, et al. **Orv Hetil** 1986 Nov 23;127(47):2881–3 (Eng. Abstr.) **(Hun)**
[Septicemia of children in Japan (1980–1984). Part 4. Antibiotic treatment and prognosis according to causative agents] Fujii R, et al. **Jpn J Antibiot** 1986 May; 39(5):1313–20 (Eng. Abstr.) **(Jpn)**
[Septicemia of children in Japan (1980–1984). Part 3. Antibiotic therapy and prognosis] Fujii R, et al. **Jpn J Antibiot** 1986 May;39(5):1302–12 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetic and clinical studies of cefotiam in mature neonates] Nishimura T, et al. **Jpn J Antibiot** 1986 Sep; 39(9):2450–7 (Eng. Abstr.) **(Jpn)**
[A case of septicemia due to Enterococcus faecium in an infant] Imaizumi K, et al. **Kansenshogaku Zasshi** 1987 Feb; 61(2):189–93 (Eng. Abstr.) **(Jpn)**
[Progress of chemotherapy in various fields—internal medicine (septicemia and fungemia)] Sawae Y, et al. **Nippon Rinsho** 1986 Apr;44(4):862–6 (9 ref.) **(Jpn)**
[Effect of prodigiozan, levamisole and methyluracil on the course of an experimental infection and primary immune response] Riabchinskaia LA, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):606–10 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Leucocyte elastase activity in meningococcal septicaemia associated coagulopathy. Canavan D, et al. **J Clin Pathol** 1986 Dec;39(12):1304–5
Lysosomal enzyme pattern in lung lymph and blood during E. coli sepsis in sheep. Andreasson S, et al. **Scand J Clin Lab Invest** 1987 Jun;47(4):355–62

ETIOLOGY

Erysipelothrix rhusiopathiae septicaemia: a case report. Claeys G, et al. **Acta Clin Belg** 1986;41(3):203–6
Neonatal septicemia: comparison of onset and risk factors during three consecutive 5-year periods. Bennet R, et al. **Acta Paediatr Scand** 1987 Mar;76(2):361–2
Septic pulmonary embolic secondary to an infected right atrial thrombus. Lam D, et al. **Am Heart J** 1987 Jul;114(1 Pt 1):178–80
Clinical, pathogenetic, and laboratory features of Capnocytophaga infections. Warren JS, et al. **Am J Clin Pathol** 1986 Oct;86(4):513–8
Neonatal intensive care unit bacteremia: emergence of gram-positive bacteria as major pathogens. Donowitz LG, et al. **Am J Infect Control** 1987 Aug;15(4):141–7
Staphylococcus aureus bacteremia caused by infected intravenous catheters. Mylotte JM, et al. **Am J Infect Control** 1987 Feb;15(1):1–6
Angioneurotic edema, agranulocytosis, and fatal septicemia following captopril therapy [letter] **Am J Med** 1987 Mar; 82(3):576–8
Pseudomonas putida. Newly recognized pathogen in patients with cancer. Anaissie E, et al. **Am J Med** 1987 Jun;

82(6):1191–4
Septicemia, rash, and pulmonary infiltrates secondary to Corynebacterium group JK infection. Guarino MJ, et al. **Am J Med** 1987 Jan;82(1):132–4
Enterococcal bacteremia in two large community teaching hospitals. Malone DA, et al. **Am J Med** 1986 Oct; 81(4):601–6
Group G streptococcal endocarditis and bacteremia [letter] Rolston KV. **Am J Med** 1987 Jan;82(1):187–8
Bacteremia and fungemia in patients with neoplastic disease. Whimbey E, et al. **Am J Med** 1987 Apr;82(4):723–30
Significant bacteremia associated with replacement of intrauterine contraceptive device. Murray S, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):698–700
Serratial bacteremia in the surgical patient. Fry DE, et al. **Am Surg** 1987 Aug;53(8):438–41
Bacteremia as a complication of nasotracheal intubation. Dinner M, et al. **Anesth Analg** 1987 May;66(5):460–2
Campylobacter bacteremia, cholecystitis, and the acquired immunodeficiency syndrome [letter] Wheeler AP, et al. **Ann Intern Med** 1986 Nov;105(5):804
The gut as a portal of entry for bacteremia. Role of protein malnutrition. Deitch EA, et al. **Ann Surg** 1987 Jun; 205(6):681–92
Recurrent sepsis and gastrointestinal ulceration due to child abuse. Rubin LG, et al. **Arch Dis Child** 1986 Sep; 61(9):903–5
Staphylococcus aureus bacteremia. Clinical, serologic, and echocardiographic findings in patients with and without endocarditis. Bayer AS, et al. **Arch Intern Med** 1987 Mar; 147(3):457–62
Invasive Haemophilus influenzae disease in adults. Crowe HM, et al. **Arch Intern Med** 1987 Feb;147(2):241–4
The unusual presentations of tularemia. Bacteremia, pneumonia, and rhabdomyolysis [editorial] Klotz SA, et al. **Arch Intern Med** 1987 Feb;147(2):214
The acute arthritis–dermatitis syndrome. The changing importance of Neisseria gonorrhoeae and Neisseria meningitidis. Rompalo AM, et al. **Arch Intern Med** 1987 Feb;147(2):281–3
Adherent microorganisms on lumenal surfaces of long–term intravenous catheters. Importance of Staphylococcus epidermidis in patients with cancer. Tenney JH, et al. **Arch Intern Med** 1986 Oct;146(10):1949–54
Systemic salmonellosis in patients with disseminated histoplasmosis. Case for 'macrophage blockade' caused by Histoplasma capsulatum. Wheat LJ, et al. **Arch Intern Med** 1987 Mar;147(3):561–4
Fibreoptic bronchoscopy and the use of antibiotic prophylaxis. Haynes J, et al. **Br Med J [Clin Res]** 1987 May 9;294(6581):1199
Serious infectious complications of open–heart surgery. Miedzinski LJ, et al. **Can J Surg** 1987 Mar;30(2):103–7
Pasteurella multocida septicemia during pregnancy. Rasaiah B, et al. **Can Med Assoc J** 1986 Dec 15;135(12):1369–72
Erysipelothrix septicemia in an immunocompromised host. Shumak SL, et al. **Can Med Assoc J** 1987 Feb 1; 136(3):273–4
The pathogenesis and prevention of neonatal meningitis and septicaemia. Hurley R. **Clin Exp Obstet Gynecol** 1986; 13(3–4):67–75 (57 ref.)
Focus of recurrent septicemia due to Klebsiella ozena detected by indium leukocyte scintigraphy. Kennedy JF, et al. **Clin Nucl Med** 1987 Apr;12(4):326–7
Etiology, diagnosis, and treatment of bacteremia. Sathe S, et al. **Compr Ther** 1987 Feb;13(2):24–31
Bacillus cereus bacteremia in an intravenous drug abuser. Hinchliffe CE, et al. **Conn Med** 1987 Jun;51(6):362–5
Risk and detection of pulmonary artery catheter–related infection in septic surgical patients. Hudson–Civetta JA, et al. **Crit Care Med** 1987 Jan;15(1):29–34
Bacterial colonization of intravascular catheters and anergy to recall skin antigens. Lehtonen OP, et al. **Crit Care Med** 1987 Feb;15(2):103–5
Broviac catheterization in low birth weight infants: incidence and treatment of associated complications. Sadiq HF, et al. **Crit Care Med** 1987 Jan;15(1):47–50
Bacteremia in diabetic patients with infected lower extremities. Sapico FL, et al. **Diabetes Care** 1982 Mar–Apr; 5(2):101–4
Corynebacterium minutissimum bacteremia in a patient with chronic myeloid leukemia in blast crisis. Guarderas J, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):327–30
Vibrio alginolyticus bacteremia in an immunocompromised patient. Janda JM, et al. **Diagn Microbiol Infect Dis** 1986 Nov;5(4):337–40
Bacteremia with gastrointestinal endoscopic procedures. Botoman VA, et al. **Gastrointest Endosc** 1986 Oct; 32(5):342–6 (57 ref.)
Prospective evaluation of infections associated with pacing catheters for electrophysiologic testing. Bierman PQ, et al. **Heart Lung** 1987 Jul;16(4):350–4
High incidence of subclavian dialysis catheter–related bacteremias. Pezzarossi HE, et al. **Infect Control** 1986 Dec; 7(12):596–9
Unusual case of IUD–associated postabortal sepsis complicated by an infected necrotic leiomyoma, suppurative pelvic thrombophlebitis, ovarian vein thrombosis, hemoperitoneum and drug fever. Wong TC, et al. **J Arkansas Med Soc** 1986 Aug;83(3):138–47
Semiquantitative culture of catheter tips [letter] Brun Buisson C, et al. **J Clin Microbiol** 1987 Jul;25(7):1343–4
Endocarditis with Moraxella–like M–6 after cardiac catheterization [published erratum appears in J Clin Microbiol 1986 Nov;24(5):906] Perez RE. **J Clin Microbiol** 1986 Sep;24(3):501–2
Broviac catheter infection with Kluyvera cryocrescens: a case report. Wong VK. **J Clin Microbiol** 1987 Jun; 25(6):1115–6
Pseudomonas stutzeri septicemia [letter] Yu VL. **J Clin Microbiol** 1987 Jul;25(7):1343
Septicaemia and meningitis caused by dysgonic fermenter–2 (DF–2). Chan PC, et al. **J Clin Pathol** 1986 Sep; 39(9):1021–4
Source of infection in Hickman catheters [letter] Weightman NC, et al. **J Clin Pathol** 1986 Sep;39(9):1046
Diagnostic amniocentesis and bacteraemia. Klein SA, et al. **J Hosp Infect** 1987 Jan;9(1):81–4
Blood transfusion–associated Pseudomonas fluorescens septicaemia: is this an increasing problem? Murray AE, et al. **J Hosp Infect** 1987 May;9(3):243–8
Group B streptococcal bacteraemia associated with a triple lumen intravenous catheter [letter] Ullman RF, et al. **J Hosp Infect** 1986 Sep;8(2):204–6
Meningitis and septicaemia due to a multiply resistant strain of Haemophilus influenzae type b. Karrar ZA, et al. **J Infect** 1987 Jan;14(1):61–5
The role of iron overload in Yersinia enterocolitica and Yersinia pseudotuberculosis bacteremia in hemodialysis patients. Boelaert JR, et al. **J Infect Dis** 1987 Aug; 156(2):384–7
P fimbriae and other virulence factors in Escherichia coli urosepsis: association with patients' characteristics. Johnson JR, et al. **J Infect Dis** 1987 Jul;156(1):225–9
Pyelonephritis and sepsis due to Staphylococcus saprophyticus [letter] Lee W, et al. **J Infect Dis** 1987 May; 155(5):1079–80
Fever, bacteremia, and death as complications of bacteriuria in women with long–term urethral catheters. Warren JW, et al. **J Infect Dis** 1987 Jun;155(6):1151–8
Late onset group A streptococcal bacteremia in a neonate. Ginsberg H, et al. **J La State Med Soc** 1987 Mar; 139(3):39–40
Pneumococcal sepsis and meningitis in vaccinated subjects: a review of 55 reported cases. Zarrabi MH, et al. **J Natl Med Assoc** 1987 Apr;79(4):372–6
Anaerobic bacteremia following tooth extraction and removal of osteosynthesis plates. Otten JE, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):477–80
Role of genital mycoplasmas in young infants with suspected sepsis. Likitnukul S, et al. **J Pediatr** 1986 Dec;109(6):971–4
Microporous vascular grafts do not require neointima for resistance to bacteremic infection. Buckels JA, et al. **J Vasc Surg** 1987 Jan;5(1):198–202
Plasma endotoxin levels and functions of peripheral granulocytes in surgical patients with respiratory distress syndrome. Miyata T, et al. **Jpn J Surg** 1986 Nov; 16(6):412–7
Bacteraemia and pelvic infection in women due to Ureaplasma urealyticum and Mycoplasma hominis. Plummer DC, et al. **Med J Aust** 1987 Feb 2;146(3):135–7
Streptococcus bovis bacteremia and underlying gastrointestinal neoplasms. Friedman E, et al. **Med Pediatr Oncol** 1986;14(6):313–5
Bacteremic pneumonia after fiberoptic bronchoscopy. Etzkorn ET, et al. **Milit Med** 1987 May;152(5):263–4
Iron sepsis: Yersinia enterocolitica septicemia possibly caused by an overdose of iron [letter] Mofenson HC, et al. **N Engl J Med** 1987 Apr 23;316(17):1092–3
Group A beta–hemolytic streptococcal septicemia complicating infected hemangioma in children. Yagupsky P, et al. **Pediatr Dermatol** 1987 May;4(1):24–6
Acinetobacter calcoaceticus sepsis in children with malignancies. Fuchs GJ 3d, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):545–9
Broviac catheter–related infection due to Mycobacterium fortuitum in a patient with acquired immunodeficiency syndrome. Brady MT, et al. **Pediatr Infect Dis J** 1987 May; 6(5):492–4
Community–acquired Pseudomonas sepsis in previously healthy infants. Chusid MJ, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):681–4
DF–2 bacteremia following a dog bite in a 4–month–old child. Dankner WM, et al. **Pediatr Infect Dis J** 1987 Jul; 6(7):695–6
Rapidly fatal Pasteurella multocida septicemia in infant following cat scratch [letter] Tessin I, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):425–6
Risk factors associated with candidemia in the neonatal intensive care unit: a case–control study. Weese–Mayer DE, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):190–6
Polymicrobial bacterial sepsis and defective neutrophil chemotaxis in an infant with cystic fibrosis. Kurland G, et al. **Pediatrics** 1986 Dec;78(6):1097–101
Characteristic features of neonatal sepsis due to Haemophilus influenzae. Friesen CA, et al. **Rev Infect Dis** 1986 Sep–Oct; 8(5):777–80 (18 ref.)
Group B streptococcal bacteremia in men. Verghese A, et al. **Rev Infect Dis** 1986 Nov–Dec;8(6):912–7
Bacteremia during bronchoalveolar lavage. Balk RA, et al. **South Med J** 1986 Dec;79(12):1496–8
Bacteremia in childhood acute leukemia. Hung IJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):385–91
Fatal Salmonella septicemia after platelet transfusion. Heal JM, et al. **Transfusion** 1987 Jan–Feb;27(1):2–5
Endotoxemia and bacteremia in patients following ultrasonic lithotripsy. Tanaka M, et al. **Urol Res** 1987;15(1):45–7
[Fatal septicemia due to Chromobacterium violaceum] Wu SH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Nov;19(4):289–94 (Eng. Abstr.) **(Chi)**
[Incidence of thrombosis and septicemia during the use of double–lumen polyurethane hemodialysis catheters] Wanscher MC, et al. **Ugeskr Laeger** 1987 Apr 27; 149(18):1190–2 (Eng. Abstr.) **(Dan)**
[Splenectomy: from life–saving to life–threatening intervention!] Kootstra G. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1251–3 **(Dut)**
[Nosocomial Candida albicans septicemia in parenteral alimentation through a peripheral vein] Tritschler C, et al. **Ann Fr Anesth Reanim** 1986;5(6):620–2 (Eng. Abstr.) **(Fre)**
[Post–jejunostomy bacteremia caused by Klebsiella pneumoniae] Jemni L, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Dec;22(7):395–6 (Eng. Abstr.) **(Fre)**
[Subacute meningococcal septicemia and temporary deficiency in complement factor C4 in lupus disease in an outbreak (letter)] Delrieu F, et al. **Ann Med Interne (Paris)** 1987;138(4):316–7 **(Fre)**
[Subacute septicemia caused by Meningococcus of serogroup Y and acquired deficiency of complement C3 fraction] Sansonetti PJ, et al. **Ann Med Interne (Paris)** 1986; 137(7):559–61 (Eng. Abstr.) **(Fre)**
[Septicopyemia caused by Fusobacterium gonidiaformans (letter)] Gouby A, et al. **Presse Med** 1987 Jan 10–17;16(1):34 **(Fre)**
[Septicemic campylobacteriosis after dog bite (letter)] Huchon A, et al. **Presse Med** 1986 Jul 5–12;15(27):1284–5 **(Fre)**
[Septicemia caused by enteritis due to Campylobacter fetus subspecies fetus] Sticht–Groh V, et al. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):548–50 (Eng. Abstr.) **(Ger)**
[Bacteremia following endoscopic laser therapy. Incidence of bacteremia and infection following laser coagulation of stenosing processes of the gastrointestinal tract] Kohler B, et al. **Fortschr Med** 1987 Feb 10;105(4):61–3 (Eng. Abstr.) **(Ger)**
[Life–threatening infection following splenectomy—the OPSI syndrome] Siegfried W, et al. **Fortschr Med** 1986 Nov 20;104(43):831–3 (Eng. Abstr.) **(Ger)**
[Infections caused by coagulase–negative Staphylococci in immunocompromised patients] Peters G, et al. **Immun Infekt** 1986 Sep;14(5):165–9 (Eng. Abstr.) **(Ger)**
[Staphylococcal infection after intramuscular injection] Zuber M, et al. **Schweiz Med Wochenschr** 1987 Feb 28; 117(9):328–32 (Eng. Abstr.) **(Ger)**
[Fever, lymphadenopathy, splenomegaly, monarthritis] Dürst UN. **Schweiz Rundsch Med Prax** 1986 Nov 18; 75(47):1427–31 (Eng. Abstr.) **(Ger)**
[Sepsis following burns (septic wounds, generalized sepsis)] Novák J. **Magy Traumatol Orthop Helyreallito Sebesz** 1987; 30(2):127–36 (69 ref.) (Eng. Abstr.) **(Hun)**
[Streptococcus pneumoniae infections associated with bacteremia in adulthood] Szalka A, et al. **Orv Hetil** 1987 Mar 15;128(11):559–62 (Eng. Abstr.) **(Hun)**
[Focus of sepsis of unusual location detected by ultrasonic examination] Temesi M, et al. **Orv Hetil** 1987 Mar 15; 128(11):581–3 (Eng. Abstr.) **(Hun)**
[A case of Staphylococcus aureus septicemia after acupuncture therapy] Doutsu Y, et al. **Kansenshogaku Zasshi** 1986 Aug;60(8):911–6 (Eng. Abstr.) **(Jpn)**
[A saved case of Vibrio vulnificus infection with shock, DIC and necrotizing fasciitis] Ito H, et al. **Kansenshogaku Zasshi** 1986 Jul;60(7):695–700 (Eng. Abstr.) **(Jpn)**
[A case of chronic mucocutaneous candidiasis (CMCC) with repeated pulmonary abscess and sepsis] Tsukaguchi K, et al. **Kansenshogaku Zasshi** 1987 Mar;61(3):356–61 (Eng. Abstr.) **(Jpn)**
[Studies on bacteremias in cases with catheters placed for hemodialysis] Wada K, et al. **Kansenshogaku Zasshi** 1986 Oct;60(10):1107–13 (Eng. Abstr.) **(Jpn)**
[Pathogenic premises for elaborating an evolutionary classification of hematogenous (metastatic) forms of extrapulmonary tuberculosis] Bellendir EN. **Probl Tuberk** 1986;(8):64–8 (Eng. Abstr.) **(Rus)**
[Disseminated intravascular coagulation in the patho– and thanatogenesis of acute viral respiratory diseases and sepsis] Shatrova KM, et al. **Vrach Delo** 1987 Apr;(4):113–4 (Eng. Abstr.) **(Rus)**
[Salmonella choleraesuis bacteremia. Apropos of a case (letter)] Ibáñez Rodríguez D, et al. **Med Clin (Barc)** 1986 Oct 18;87(12):521–2 **(Spa)**
[Clostridium perfringens septicotoxemia] López del Campo X, et al. **Rev Chil Obstet Ginecol** 1985;50(5):396–402 (Eng. Abstr.) **(Spa)**
[Staphylococcus aureus bacteremia in adults related to the use of intravascular catheters and devices] Maradona JA, et al. **Rev Clin Esp** 1987 Feb;180(3):147–50 (Eng. Abstr.) **(Spa)**
[Community–acquired bacteremic pneumonia caused by Escherichia coli. Report of 2 cases in healthy individuals (letter)] Torné J, et al. **Rev Clin Esp** 1986 Jul;179(3):158–9

(Spa)
[Extraintestinal infections due to Campylobacter. Report of 3 cases] Juliet C, et al. **Rev Med Chil** 1986 Feb;114(2):140–2 (Eng. Abstr.) (Spa)
[Thrombocyte transfusion as the cause of septicemia in a patient with pancytopenia] Anagrius N, et al. **Lakartidningen** 1986 Nov 5;83(45):3814 (Swe)

HISTORY

Classics in infections diseases. Significance of hemolytic streptococcic bacteremia: a study of two hundred and forty-six patients. By Chester S. Keefer, Franz J. Ingelfinger, and Wesley W. Spink, 1937. **Rev Infect Dis** 1986 Sep–Oct;8(5):832–7

IMMUNOLOGY

Inherited deficiency of properdin and C2 in a patient with recurrent bacteremia. Gelfand EW, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):671–5
Relationship of staphylococcal tolerance, teichoic acid antibody, and serum bactericidal activity to therapeutic outcome in staphylococcus aureus bacteremia [letter] Graman PS. **Am J Med** 1987 Apr;82(4):863–5
Effects of exogenous fat emulsion (Intralipid) on chemotactic function of monocytes and polymorphonuclear cells in sepsis. Chen WJ, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1986 May;19(2):104–11
Immunoblot analysis of serological response to Pseudomonas aeruginosa septicaemia in man. Matthews RC, et al.
J Clin Pathol 1986 Dec;39(12):1306–12
Unspecific binding of group B streptococcal cocytolysin (CAMP factor) to immunoglobulins and its possible role in pathogenicity. Jürgens D, et al. **J Exp Med** 1987 Mar 1;165(3):720–32
Splenomimetic effect of Corynebacterium parvum in fulminant pneumococcemia. Wellish KL, et al.
J Infect Dis 1987 Jul;156(1):130–5
Tamarin model of pneumococcal bacteremia. Chudwin DS, et al. **J Med Primatol** 1987;16(4):249–60
Phagocytic function of polymorphonuclear leukocytes and the RES in endotoxemia. Regel G, et al. **J Surg Res** 1987 Jan;42(1):74–84
[Evaluation of serum opsonization activity in infants with septicemia and infections of the digestive, respiratory and central nervous systems] Markiewicz-Loskot G.
Pediatr Pol 1986 Dec;61(12):784–9 (Eng. Abstr.) (Pol)
[Bacteremias in immunosuppressed patients] Bermudez LE. **Rev Paul Med** 1986 Mar–Apr;104(2):87–92 (Eng. Abstr.) (Por)

METABOLISM

3-O-methylglucose transport in soleus muscle of bacteremic rats. Westfall MV, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R55–63
Studies on the possible role of thyroid hormone in altered muscle protein turnover during sepsis. Hasselgren PO, et al. **Ann Surg** 1987 Jul;206(1):18–24
Branched chain amino acid enriched solutions in the septic patient [letter] Piccolboni D. **Ann Surg** 1986 Nov; 204(5):615–6
The effect of aspirin on protein breakdown in septic man. Miccolo M, et al. **Biochem Med Metab Biol** 1986 Feb; 35(1):77–82
Protein and energy metabolism in liver tissue following intravenous infusion of live E. coli bacteria in rats. Pedersen P, et al. **Circ Shock** 1987;21(1):59–64
Time course of changes in hepatic metabolism in response to sepsis in the rat: impairment of gluconeogenesis and ketogenesis in vitro. de Vasconcelos PR, et al. **Clin Sci** 1987 Jun;72(6):683–91
Impaired fat utilization in parenterally fed low-birth-weight infants suffering from sepsis. Park W, et al.
JPEN J Parenter Enteral Nutr 1986 Nov–Dec;10(6):627–30
Early metabolic and vascular tone patterns in lethal sepsis. Giovannini I, et al. **Prog Clin Biol Res** 1987;236B:115–21
Splanchnic and total body oxygen consumption differences in septic and injured patients. Dahn MS, et al. **Surgery** 1987 Jan;101(1):69–80
Phosphate depletion and ATP metabolism in muscle and liver during trauma, sepsis and total parenteral nutrition. Liaw KY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Feb; 86(2):188–93
[Sepsis—metabolic changes and their development] Kazda A. **Cas Lek Cesk** 1986 Aug 29;125(35):1081–5 (Eng. Abstr.) (Cze)
[Sepsis—problems of meeting energy needs] Kazda A.
Cas Lek Cesk 1986 Aug 29;125(35):1086–9 (Eng. Abstr.) (Cze)

MICROBIOLOGY

Kingella kingae septicaemia. Hansen WM, et al.
Acta Clin Belg 1987;42(1):40–2
Bacterial etiology of neonatal septicemia in relation to prior antibiotic treatment. Bennet R, et al.
Acta Paediatr Scand 1987 Jul;76(4):673–4
Epidemiological aspects of P-fimbriated Escherichia coli. IV. Extraintestinal E. coli infections before the age of one year and their relation to fecal colonization with P-fimbriated E. coli. Tullus K, et al. **Acta Paediatr Scand** 1987 May; 76(3):463–9
Lipolytic activity of Staphylococcus aureus strains from disseminated and localized infections. Rollof J, et al.
Acta Pathol Microbiol Immunol Scand [B] 1987 Apr; 95(2):109–13
The association of antimicrobial therapy with postmortem spleen culture in bacteremic patients. Roberts FJ.
Am J Clin Pathol 1987 Jun;87(6):770–2
DF-2 bacteremia following cat bites. Report of two cases. Carpenter PD, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):621–3
Mycobacterium fortuitum bacteremia in patients with cancer and long-term venous catheters. Hoy JF, et al.
Am J Med 1987 Aug;83(2):213–7
Blood cultures. Aronson MD, et al. **Ann Intern Med** 1987 Feb;106(2):246–53
BACTEC 460 blood culture system [letter] Love GL, et al.
Ann Intern Med 1987 Apr;106(4):633–4
Rapid diagnosis of intravascular catheter-related sepsis. Collignon P, et al. **Arch Intern Med** 1987 Sep; 147(9):1609–12
Solid-phase radioimmunoassay for IgG antibodies to Staphylococcus epidermidis. Use in serious coagulase-negative staphylococcal infections. Espersen F, et al. **Arch Intern Med** 1987 Apr;147(4):689–93
Staphylococcus aureus bacteremia. Potential impact of a new blood culture technique [editorial] Sheagren JN.
Arch Intern Med 1986 Dec;146(12):2323–4
Significance of blood culture isolates of Staphylococcus epidermidis [editorial] Sheagren JN. **Arch Intern Med** 1987 Apr;147(4):635
Lysis-centrifugation blood culture technique. Clinical impact in Staphylococcus aureus bacteremia. Walker RC, et al.
Arch Intern Med 1986 Dec;146(12):2341–3
Septicemia due to coagulase-negative Staphylococcus in a community hospital. Righter J. **Can Med Assoc J** 1987 Jul 15;137(2):121–5
Head-space gas-liquid chromatographic analysis for presumptive identification of bacteria in blood cultures. Ho SW.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1986 Feb;19(1):18–26
Nonfatal bacteremia caused by a mucoid, alginate-producing strain of Pseudomonas aeruginosa. Anastassiou ED, et al.
Diagn Microbiol Infect Dis 1986 Nov;5(4):277–83
Clinical importance of polymicrobial bacteremia. Weinstein MP, et al. **Diagn Microbiol Infect Dis** 1986 Sep;5(3):185–96
Isolation of Escherichia fergosonii from a patient with septicemia in France [letter] Freney J, et al.
Eur J Clin Microbiol 1987 Feb;6(1):78
Case report of Bacillus septicaemia: a rare isolate. Niranjan U, et al. **Indian J Med Sci** 1986 Jul;40(7):179–80
Neonatal septicemia. Khatua SP, et al. **Indian J Pediatr** 1986 Jul–Aug;53(4):509–14
Blood culture updated [published erratum appears in Indian J Pediatr 1986 Sep–Oct;53(5):670] Koshi G.
Indian J Pediatr 1986 Jul–Aug;53(4):429–31
Changing bacteriological patterns in neonatal septicaemia. Monga K, et al. **Indian J Pediatr** 1986 Jul–Aug;53(4):505–8
The JK diphtheroids. Schoch PE, et al. **Infect Control** 1986 Sep;7(9):466–9
M proteins of group G streptococci isolated from bacteremic human infections. Bisno AL, et al. **Infect Immun** 1987 Mar; 55(3):753–7
Fusarium as a pathogen. A case report of Fusarium sepsis and review of the literature. Veglia KS, et al.
J Am Acad Dermatol 1987 Jan;16(1 Pt 2):260–3
Gram-negative bacillary bacteremia in the elderly: incidence, ecology, etiology, and mortality. McCue JD.
J Am Geriatr Soc 1987 Mar;35(3):213–8
Bilateral abscessed orchiepididymitis associated with sepsis caused by Veillonella parvula and Clostridium perfringens: case report and review of the literature. Arrosagaray PM, et al. **J Clin Microbiol** 1987 Aug;25(8):1579–80
Bacterial concentration correlations in experimental endocarditis caused by Staphylococcus epidermidis. Baddour LM, et al. **J Clin Microbiol** 1987 Feb;25(2):207–10
Bacteremia caused by a lactose-fermenting, multiply resistant Salmonella typhi strain in a patient recovering from typhoid fever. Cohen SL, et al. **J Clin Microbiol** 1987 Aug; 25(8):1516–8
Septicemia caused by Sphingobacterium multivorum. Freney J, et al. **J Clin Microbiol** 1987 Jun;25(6):1126–8
Recovery of Blastomyces dermatitidis from blood of a patient with disseminated blastomycosis. Musial CE, et al.
J Clin Microbiol 1987 Aug;25(8):1421–3
Cedecea davisae bacteremia. Perkins SR, et al.
J Clin Microbiol 1986 Oct;24(4):675–6
Isolation of Francisella tularensis from blood. Provenza JM, et al. **J Clin Microbiol** 1986 Sep;24(3):453–5
Comparison of blood culture methods for recovery of Legionella pneumophila from the blood of guinea pigs with experimental infection. Reinhardt JF, et al.
J Clin Microbiol 1987 Apr;25(4):719–21
Occult bacteremia with nontypeable Haemophilus influenzae. Rubin LG, et al. **J Clin Microbiol** 1987 Jul;25(7):1314–5
Corynebacterium CDC group D2 bacteraemia [letter] Marshall RJ, et al. **J Clin Pathol** 1987 Jul;40(7):813–4
Blood clearance of Streptococcus pneumoniae by C-reactive protein. Horowitz J, et al. **J Immunol** 1987 Apr 15; 138(8):2598–603
Septicaemia and meningitis caused by a group G streptococcus. Devière J, et al. **J Infect** 1986 Nov; 13(3):285–7
Infections caused by Kingella kingae: report of four cases and review. Verbruggen AM, et al. **J Infect** 1986 Sep; 13(2):133–42
Isolation of a strain of beta-lactamase-producing Capnocytophaga ochracea [letter] Arlet G, et al.
J Infect Dis 1987 Jun;155(6):1346
Six cases of Mycobacterium tuberculosis bacteremia. Barnes PF, et al. **J Infect Dis** 1987 Aug;156(2):377–9
Importance of Aeromonas sobria in Aeromonas bacteremia. Janda JM, et al. **J Infect Dis** 1987 Mar;155(3):589–91
Quantitative colony counts in patients with Staphylococcus aureus bacteremia [letter] Manzella JP, et al.
J Infect Dis 1987 Jun;155(6):1347–8
Association of meningococcal serotypes with the course of disease: serotypes 2a and 2b in the Netherlands, 1959–1981. Spanjaard L, et al. **J Infect Dis** 1987 Feb;155(2):277–82
Clinical significance of colony counts in immunocompromised patients with Staphylococcus aureus bacteremia. Whimbey E, et al. **J Infect Dis** 1987 Jun; 155(6):1328–30
Bacteraemia and seeding of capsulate Bacteroides spp. and anaerobic cocci. Brook I. **J Med Microbiol** 1987 Feb; 23(1):61–7
Septicaemia caused by cysteine-requiring isolates of Escherichia coli. Tapsall JW, et al. **J Med Microbiol** 1986 Dec;22(4):379–82
Cost effectiveness of the antibiotic removal device for processing blood cultures. de Silva MI, et al.
J Natl Med Assoc 1986 Sep;78(9):857–61
Clostridium septicum and neutropenic enterocolitis [editorial] **Lancet** 1987 Sep 12;2(8559):608
Campylobacter bacteraemia: a report of 10 cases. Spelman DW, et al. **Med J Aust** 1986 Nov 17;145(10):503–5
Flavobacterium group IIb bacteremia: report of a case and review of Flavobacterium infections. Siegman-Igra Y, et al. **Med Microbiol Immunol (Berl)** 1987;176(2):103–11
Antibiotic-resistant pneumococcal disease in children at Baragwanath Hospital, Johannesburg. Oppenheim B, et al.
Pediatr Infect Dis 1986 Sep–Oct;5(5):520–4
Characteristics of coagulase-negative staphylococci from infants with bacteremia. Hall RT, et al.
Pediatr Infect Dis J 1987 Apr;6(4):377–83
Pneumococcal and Haemophilus influenzae type b antigen detection in children at risk for occult bacteremia. Rubin LG, et al. **Pediatrics** 1987 Jul;80(1):92–6
Neisseria meningitidis bacteremia in children: quantitation of bacteremia and spontaneous clinical recovery without antibiotic therapy. Sullivan TD, et al. **Pediatrics** 1987 Jul; 80(1):63–7
Biochemical and biological properties of Staphylococcus aureus septicemia strains in relation to clinical characteristics. Christensson B, et al. **Scand J Infect Dis** 1986;18(4):297–303
Yersinia enterocolitica septicemia: clinical and microbiological aspects. Foberg U, et al.
Scand J Infect Dis 1986;18(4):269–79 (44 ref.)
Septicemia in a university pediatric hospital: a five-year analysis of the bacterial and fungal isolates and outcome of the infections. Peltola H, et al. **Scand J Infect Dis** 1987; 19(3):277–82
Serotyping of 1,458 pneumococcal isolates with analysis of bacteremia in 84 patients. Fanciullo GJ, et al.
South Med J 1986 Nov;79(11):1370–5
Cryptococcemia due to Cryptococcus albidus. Gluck JL, et al. **South Med J** 1987 Apr;80(4):511–3
[Septicemia and gangrenous change of the legs caused by marine vibrio, *V. vulnificus*—report of a case] Yuan CY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Apr;86(4):448–51 (Eng. Abstr.) (Chi)
[Recent aspects of blood culture technics] Courcol R, et al.
Ann Biol Clin (Paris) 1987;45(1):1–11, 14 (59 ref.) (Fre)
[Streptobacillus moniliformis endocarditis. Apropos of 2 cases] Rey JL, et al. **Ann Cardiol Angeiol (Paris)** 1987 Jun; 36(6):297–300 (Eng. Abstr.) (Fre)
[Septicemia causative organisms 1983–1985. The results of a multicenter study] Rosenthal EJ.
Dtsch Med Wochenschr 1986 Dec 5;111(49):1874–80 (Eng. Abstr.) (Ger)
[Enterobacter bacteremia: clinico-bacteriological study of 27 patients] Igari J, et al. **Kansenshogaku Zasshi** 1986 Mar; 60(3):210–6 (Eng. Abstr.) (Jpn)
[Relationship between sepsis and intestinal flora in immuno-compromised children] Sakata H, et al.
Kansenshogaku Zasshi 1986 Mar;60(3):231–8 (Eng. Abstr.) (Jpn)
[A case of septicemia caused by Alcaligenes dentrificans subspecies xylosoxidans and a review of the literature] Unoki T, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):627–31 (Eng. Abstr.) (Jpn)
[An analysis of 147 patients with septicemia at the Department of Internal Medicine of Yamaguchi Prefectural Central Hospital for 16 years (1968–1983). III. Clinical study of patients with septicemia due to rare organisms] Unoki T, et al. **Kansenshogaku Zasshi** 1986 Nov; 60(11):1172–7 (Eng. Abstr.) (Jpn)
[Microbiological organisms causing sepsis in severe hematological diseases] Yoshida M, et al.
Rinsho Ketsueki 1987 Jan;28(1):65–9 (Eng. Abstr.) (Jpn)
[Septicemia caused by Campylobacter jejuni] Melby K, et al. **Tidsskr Nor Laegeforen** 1986 Nov 10;106(31):2631–2

(Eng. Abstr.) (Nor)
[Antibiotic resistance of revertant cultures of Streptococcus group A and of unclassified streptococci isolated from the blood of rheumatism patients] VulTovich IuV, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):628–33 (Eng. Abstr.) (Rus)
[Role of iron in Yersinia pestis multiplication in normal mammalian blood sera] Kravtsov AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Mar;(3):12–6 (Eng. Abstr.) (Rus)

MORTALITY

Predicting septic related mortality of the individual surgical patient based on admission host–defence measurements. Christou NV. **Can J Surg** 1986 Nov;29(6):424–8
Severe infectious purpura in children [letter] Aldamiz–Echevarria LA, et al. **Intensive Care Med** 1986; 12(5):385
Pneumococcal bacteremia—no change in mortality in 30 years: analysis of 104 cases and review of the literature. Kramer MR, et al. **Isr J Med Sci** 1987 Mar;23(3):174–80
Adults with community–acquired bacteremiss in two suburban hospitals: factors predicting outcome. Mitchell FK. **J Gen Intern Med** 1987 Jan–Feb;2(1):36–9
Etiologic organisms as independent predictors of death and morbidity associated with bloodstream infections. Miller PJ, et al. **J Infect Dis** 1987 Sep;156(3):471–7
Serious infection in the intensive therapy unit: a 15–year study of bacteraemia. Forgacs IC, et al. **Q J Med** 1986 Aug;60(232):773–9
Case fatality of meningococcal disease in western Norway. Halstensen A, et al. **Scand J Infect Dis** 1987;19(1):35–42
Staphylococcus aureus bacteremia: significance of hyperbilirubinemia. Watanakunakorn C, et al. **Scand J Infect Dis** 1987;19(2):195–203
The mortality of hospital–acquired bloodstream infections: need for a new vital statistic. Wenzel RP. **Trans Am Clin Climatol Assoc** 1986;98:43–8
Effect of varying number and volume of transfusions on mortality rate following septic challenge in an animal model. Waymack JP, et al. **World J Surg** 1987 Jun; 11(3):387–91
[An analysis of 147 patients with septicemia at the Department of Internal Medicine of Yamaguchi Prefectural Central Hospital during 16 years (1968–1983). II. Analysis of factors which deteriorated the prognosis of septicemia and therapeutic considerations] Unoki T, et al. **Kansenshogaku Zasshi** 1986 May;60(5):418–27 (Eng. Abstr.) (Jpn)
[Septic severity score. A simple method for the evaluation of intensive care patients with multiple organ failure] Kongsgaard UE, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):4–7 (Eng. Abstr.) (Nor)
[Causes of death of newborn infants with congenital heart defects] Godula–Stuglik U, et al. **Pediatr Pol** 1987 Jan; 62(1):25–31 (Eng. Abstr.) (Pol)

OCCURRENCE

Neonatal group B streptococcal septicaemia in a developing country. Macfarlane DE. **Acta Paediatr Scand** 1987 May; 76(3):470–3
A pseudo–epidemic of septicemia among Medicare patients in Iowa. Helms CM. **Am J Public Health** 1987 Oct; 77(10):1331–2
The incidence of bacteremia during skin surgery. Sabetta JB, et al. **Arch Dermatol** 1987 Feb;123(2):213–5
Gram negative septicaemia in Ibadan, Nigeria. Ashiru JO, et al. **East Afr Med J** 1986 Jul;63(7):471–6
Neonatal septicemia in Stockholm. Faxelius G, et al. **Eur J Clin Microbiol** 1987 Jun;6(3):262–5
Nosocomial bloodstream infections: secular trends in a statewide surveillance program in Virginia. Morrison AJ Jr, et al. **Infect Control** 1986 Nov;7(11):550–3
Emergence of coagulase negative staphylococci as major nosocomial bloodstream pathogens. Stillman RI, et al. **Infect Control** 1987 Mar;8(3):108–12
Septicemia and endocarditis, 1965–1980, in a Swedish university hospital for infectious diseases. Julander I. **Infection** 1987 May–Jun;15(3):177–83
Pneumococcal bacteremia. Update from an adult hospital with a high rate of nosocomial cases. Chang JI, et al. **J Am Geriatr Soc** 1987 Aug;35(8):747–54
Bacteremia in the spinal cord injury population. Bhatt K, et al. **J Am Paraplegia Soc** 1987 Jan–Apr;10(1):11–4
A two–center review of bacteremia in the community hospital. Haddy RI, et al. **J Fam Pract** 1987 Mar; 24(3):253–9
Problems in the investigation of an apparent outbreak of coagulase–negative staphylococcal septicaemia following cardiac surgery. Houang ET, et al. **J Hosp Infect** 1986 Nov;8(3):224–32
The national prevalence survey of nosocomial infections in Belgium, 1984. Mertens R, et al. **J Hosp Infect** 1987 May; 9(3):219–29
A one–year survey of nosocomial bacteraemia at a Danish university hospital. Eliasen K, et al. **J Hyg (Lond)** 1986 Dec;97(3):471–8
Septicaemia in a teaching hospital in Kuwait: incidence and aetiology [letter] Chowdhury MN. **J Infect** 1986 Nov; 13(3):307
Ten years' experience of Haemophilus influenzae infection at Birmingham Children's Hospital. Dyas A, et al. **J Infect** 1986 Sep;13(2):179–85
Community–acquired bacteraemia in African children. Lepage P, et al. **Lancet** 1987 Jun 27;1(8548):1458–61
Isolation of fungi in blood cultures. A review of fungal infections in the western part of Sweden 1970–1982. Eilard T. **Scand J Infect Dis** 1987;19(2):145–56
[Increase in the incidence of Staphylococcus aureus and Staphylococcus epidermis septicemias in chronic dialysis patients] Srugies S, et al. **Med Klin** 1986 Oct 31; 81(22):702–7 (Eng. Abstr.) (Ger)
[Staphylococcal bacteremia. 2. Review of 93 cases with Staphylococcus aureus bacteremia of the aged] Oka S, et al. **Kansenshogaku Zasshi** 1986 Jun;60(6):602–7 (Eng. Abstr.) (Jpn)
[An analysis of 147 patients with septicemia at the Department of Internal Medicine of Yamaguchi Prefectural Central Hospital during 16 years (1968–1983). I. Clinical observations] Unoki T, et al. **Kansenshogaku Zasshi** 1986 May;60(5):409–17 (Eng. Abstr.) (Jpn)
[Septicemia caused by Listeria monocytogenes in the adult] Rello J, et al. **Med Clin (Barc)** 1987 Apr 11;88(14):537–40 (Eng. Abstr.) (Spa)
[Analysis of bacteremia and fungemia occurring in hematology patients] Noguerado A, et al. **Sangre (Barc)** 1987;32(2):186–93 (Eng. Abstr.) (Spa)

PATHOLOGY

A case of fulminant systemic lupus erythematosus complicated by severe aspergillar septicemia confirmed by pathologic findings. Wang QL, et al. **Chin Med J [Engl]** 1986 Jun;99(6):493–7
Death caused by DF–2, following a dog–bite. Theilade P, et al. **Forensic Sci Int** 1987 Aug;34(4):255–6
Interaction of thromboxane A2 and tissue pathology during graded bacteremia. Slotman GJ, et al. **J Trauma** 1987 Feb; 27(2):167–75
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 41–1987. A 27–year–old woman with remote idiopathic thrombocytopenic purpura, recurrent thrombocytopenia, and headache. **N Engl J Med** 1987 Oct 8;317(15):946–53
Staphylococcus aureus: a common virulent cause of bacteremia [clinical conference] McKenzie B. **W Va Med J** 1987 Aug;83(8):380–3
[Sudden infant death following Salmonella dublin septicemia] Lenk V, et al. **Beitr Gerichtl Med** 1986;44:227–32 (Eng. Abstr.) (Ger)
[Various features of hematogenous, post–traumatic and disseminated osteomyelitis] Böhm E. **Unfallchirurg** 1987 Feb;90(2):59–66 (Eng. Abstr.) (Ger)
[Comparison of the clinical picture and pathomorphological changes in newborn infants who died of septicemia] Godula–Stuglik U, et al. **Pediatr Pol** 1986 May;61(5):291–9 (Eng. Abstr.) (Pol)
[Serratia marcescens septicemia. Comments on 6 cases] Tansanu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):31–4 (Eng. Abstr.) (Rum)
[Morphological changes in the internal organs in experimental staphylococcal sepsis] Tepliakov VG, et al. **Arkh Patol** 1987;49(2):32–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Renal and liver function tests in surgical septicemia. Smith–Erichsen N. **Acta Anaesthesiol Scand** 1987 Apr; 31(3):208–13
Skeletal microcirculatory responses to hyperdynamic Escherichia coli sepsis in unanesthetized rats. Cryer HM, et al. **Arch Surg** 1987 Jan;122(1):86–92
Experimental bacteremia and hepatic nutrient blood flow. Asher EF, et al. **Circ Shock** 1986;20(1):43–9
Effects of granulocytopenia on the hemodynamic responses of dogs during E. coli bacteremia. Crowley JP, et al. **Circ Shock** 1987;22(1):91–104
Pulmonary microvascular changes during hyperdynamic sepsis in an ovine model. Traber DL, et al. **Circ Shock** 1987;22(2):185–93
Twenty–four hour energy expenditure in critically ill patients. Swinamer DL, et al. **Crit Care Med** 1987 Jul; 15(7):637–43
Effect of Kupffer cell phagocytosis of erythrocytes and erythrocyte ghosts on susceptibility to endotoxemia and bacteremia. Loegering DJ, et al. **Infect Immun** 1987 Sep; 55(9):2074–80
Hepatic dysfunction during bacterial sepsis. Gimson AE. **Intensive Care Med** 1987;13(3):162–6
Indomethacin, dazoxiben and extravascular lung water after Escherichia coli infusion. Price S, et al. **J Surg Res** 1986 Aug;41(2):189–97
Pathophysiology of multiple organ failure with "sepsis"Goris RJ. **Med Klin** 1987 Jul 17;82(15–16):546–7
Thyroid function in critically ill infants with infections. Uzel N, et al. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):516–9
Effects of a leukotriene antagonist on the early hemodynamic manifestations of group B streptococcal sepsis in piglets. Goldberg RN, et al. **Pediatr Res** 1986 Oct;20(10):1004–8
Hämodynamic pattern in septic peritonitis. Köhler H, et al. **Prog Clin Biol Res** 1987;236B:109–14
Hemodynamic characterization of sepsis. Laggner LK, et al. **Prog Clin Biol Res** 1987;236B:129–38
Does bacteremia pose a direct threat to synthetic vascular grafts? White JV, et al. **Surgery** 1987 Aug;102(2):402–8
[Organ function disorders at a distance: "where there's smoke there's fire"] te Boekhorst TP, et al. **Ned Tijdschr Geneeskd** 1987 Jan 3;131(1):3–5 (Dut)

PREVENTION & CONTROL

Stratified duration of prophylactic antimicrobial treatment in emergency abdominal surgery. Metronidazole–fosfomycin vs. metronidazole–gentamicin in 381 patients. Andåker L, et al. **Acta Chir Scand** 1987 Mar;153(3):185–92
Pneumococcal septicemia in sickle cell disease [letter] Mallouh AA. **Am J Dis Child** 1986 Nov;140(11):1092–3
Gentamicin resistance among gram–negative bacillary blood isolates in a hospital with long–term use of gentamicin. Mylotte JM. **Arch Intern Med** 1987 Sep;147(9):1642–4
Thymostimulin in the antiinfectious treatment in patients with burns. Schiavon M, et al. **Arzneimittelforschung** 1987 May; 37(5):557–60
Prophylaxis of dental bacteraemia with oral amoxycillin in children. Roberts GJ, et al. **Br Dent J** 1987 Mar 7; 162(5):179–82
Infection prevention and immediate antibiotic therapy in the neutropenic patient. Wendt F, et al. **Hamatol Bluttransfus** 1987;30:175–81
Control of meningococcal epidemics. Peltola H. **Indian J Pediatr** 1987 Mar–Apr;54(2):131–4
Intravenous tubing containing burettes can be safely changed at 72 hour intervals. Snydman DR, et al. **Infect Control** 1987 Mar;8(3):113–6
Passive immunization with antibodies against iron–regulated outer membrane proteins protects turkeys from Escherichia coli septicemia. Bolin CA, et al. **Infect Immun** 1987 May; 55(5):1239–42
Antimicrobial prophylaxis in transurethral surgery. Madsen PO, et al. **Infection** 1986 Sep–Oct;14(5):201–2 (25 ref.)
Prophylactic effect of human immunoglobulin against pneumococcal post–splenectomy sepsis in the rat. Offenbartl K, et al. **Infection** 1986 Jul–Aug;14(4):167–9
Prophylactic plasma exchange in burn treatment. Donati L, et al. **Int J Tissue React** 1987;9(3):215–8
Comparison of intravenous teicoplanin with intramuscular amoxycillin for the prophylaxis of streptococcal bacteraemia in dental patients. Shanson DC, et al. **J Antimicrob Chemother** 1987 Jul;20(1):85–93
Administration in vivo of recombinant interleukin 2 protects mice against septic death. Weyand C, et al. **J Clin Invest** 1987 Jun;79(6):1756–63
Immunoprophylaxis of postnatally acquired group B streptococcal sepsis in neonatal rhesus monkeys. Hemming VG, et al. **J Infect Dis** 1987 Oct;156(4):655–8
Septicemia following transurethral resection of the prostate [letter] Brooks M. **J Urol** 1986 Oct;136(4):920
Junctional care: the key to prevention of catheter sepsis in intravenous feeding. Stotter AT, et al. **JPEN J Parenter Enteral Nutr** 1987 Mar–Apr;11(2):159–62
Prevention of pneumococcal bacteremia in a child with acquired immunodeficiency syndrome–related complex. Wood CC, et al. **Pediatr Infect Dis J** 1987 Jun;6(6):564–6
The effect of splenectomy on Escherichia coli sepsis and its treatment with semisoluble aminated glucan. Almdahl SM, et al. **Scand J Gastroenterol** 1987 Apr;22(3):261–7
[Problems of parenteral nutrition at home from the viewpoint of the hygienist] Gräf W. **Beitr Infusionther Klin Ernahr** 1986;14:93–6 (Ger)

RADIOGRAPHY

CT–guided percutaneous aspiration of septic thrombosis of the inferior vena cava. Miner DG, et al. **AJR** 1987 Jun; 148(6):1213–4
Septic portal vein thrombophlebitis: computed tomography appearance. Case report. Castillo M, et al. **Comput Radiol** 1986 Nov–Dec;10(6):289–92
[B streptococcal infection—problems in neonatology and diagnostic value of roentgen thoracic images] Ewest B, et al. **Radiol Diagn (Berl)** 1987;28(1):29–33 (Eng. Abstr.) (Ger)

THERAPY

Aggressive nutritional support does not prevent protein loss despite fat gain in septic intensive care patients. Streat SJ, et al. **J Trauma** 1987 Mar;27(3):262–6
Prognosis of meningococcal septicaemia [letter] **Lancet** 1987 Aug 15;2(8555):395
Treatment of acute renal failure, symmetrical peripheral gangrene, and septicaemia with plasma exchange and epoprostenol [letter] Leaker B, et al. **Lancet** 1987 Jan 17; 1(8525):156
Early prognostic indicators in acute meningococcemia: implications for management. Bausher JC, et al. **Pediatr Emerg Care** 1986 Sep;2(3):176–9
C1–esterase inhibitor in early septicemia. Siebeck M, et al. **Prog Clin Biol Res** 1987;236A:141–7
Influence of the lysosomal elastase inhibitor eglin on the development of interstitial lung edema in E. coli bacteremia in pigs. Welter HF, et al. **Prog Clin Biol Res** 1987; 236A:121–5
Immunotherapeutic advances in the treatment of gram–negative bacterial sepsis. Dunn DL. **World J Surg** 1987 Apr;11(2):233–40 (135 ref.)
[Continuous arteriovenous hemofiltration, a welcome

therapeutic addition?] Strack van Schijndel RJ, et al. **Ned Tijdschr Geneeskd** 1987 Feb 7;131(6):236–8 (Eng. Abstr.) **(Dut)**

[Current therapy of meningococcal infection in childhood] Sutter MU. **Helv Paediatr Acta** 1985 Apr;40(1):9–16 (Eng. Abstr.) **(Ger)**

[Methods of extracorporeal detoxication in non-specialized units] Cherniakov VL, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):57–9 (Eng. Abstr.) **(Rus)**

[Adsorption of bacteria from infected blood by activated charcoals] Cherniakov VL, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):66–7 (Eng. Abstr.) **(Rus)**

[Hemosorption using a SUMS–1 sorbent in staphylococcal septicemia] Mashkov OA, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):55–7 (Eng. Abstr.) **(Rus)**

[Effect of a session with donor spleen perfusion on blood indices of the recipient with staphylococcal bacteremia] Tiunina GK, et al. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):64–8 (Eng. Abstr.) **(Rus)**

[Role of hemosorption in the therapy of infectious toxic shock and the multiple-organ failure syndrome in a fulminating form of meningococcemia] Pokrovskii VI, et al. **Ter Arkh** 1986;58(9):117–22 (Eng. Abstr.) **(Rus)**

[Effect of blood transfusion therapy on the course of suppurative septic diseases in children] Semenov VN, et al. **Vestn Khir** 1987 Apr;138(4):79–85 (Eng. Abstr.) **(Rus)**

[Experience in treating sepsis in surgery patients] Babenko VF, et al. **Voen Med Zh** 1986 Nov;(11):41–3 **(Rus)**

TRANSMISSION

Group B streptococcus colonization & neonatal outcome in north India. Kishore K, et al. **Indian J Med Res** 1986 Nov; 84:492–4

VETERINARY

Therapy in two cases of neonatal foal septicaemia and meningitis with cefotaxime sodium. Morris DD, et al. **Equine Vet J** 1987 Mar;19(2):151–4

Septicemic listeriosis in a reindeer calf. Evans MG, et al. **J Wildl Dis** 1987 Apr;23(2):314–7

Listeriosis in an immature black buck antelope (Antilope cervicapra). Webb DM, et al. **J Wildl Dis** 1987 Apr; 23(2):318–20

Control of diarrhoea and septicaemia in colostrum deprived calves [letter] Roberts DH, et al. **Vet Rec** 1986 Nov 1; 119(18):459

Epidemiology of ovine listeriosis in Great Britain. Wilesmith JW, et al. **Vet Rec** 1986 Nov 8;119(19):467–70

Control of diarrhoea and septicaemia in colostrum deprived calves [letter] Williams Smith H. **Vet Rec** 1986 Nov 22; 119(21):535

SEPTUM PELLUCIDUM

The GM1 ganglioside hastens the reduction of hyperemotionality after septal lesions. Poplawsky A, et al. **Behav Neural Biol** 1987 Jul;48(1):150–8

Neuroblastoma cells in neural transplants: a neuroanatomical and behavioral analysis. Kordower JH, et al. **Brain Res** 1987 Aug 4;417(1):85–98

Symptomatic cyst of the septum pellucidum. Amin BH. **Childs Nerv Syst** 1986;2(6):320–2

Cyst of the septum pellucidum presenting as hemiparesis. Aoki N. **Childs Nerv Syst** 1986;2(6):326–8

Lipoma of the septum pellucidum: case report. Wilberger JE Jr, et al. **J Comput Tomogr** 1987 Jan;11(1):79–82

[Empyema of cavum septi pellucidi and cavum vergae—case report] Abe H, et al. **No Shinkei Geka** 1986 Sep; 14(10):1271–4 (Eng. Abstr.) **(Jpn)**

[A case of multiple teratomas combined with embryonal carcinoma] Miyamachi K, et al. **No Shinkei Geka** 1986 Aug; 14(9):1161–5 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Hypodipsic hypernatremia associated with absence of septum lucidum and olfactory dysfunction. Ohzeki T, et al. **Acta Paediatr Scand** 1986 Nov;75(6):1046–50

Syndrome of septo-optic-pituitary dysplasia: the clinical spectrum. Morishima A, et al. **Brain Dev** 1986;8(3):233–9

The syndrome of the absence of a septum pellucidum with porencephaly. Shimozawa N, et al. **Brain Dev** 1986; 8(6):632–6

Neuropathology of "septo-optic dysplasia" (de Morsier syndrome) with immunohistochemical studies of the hypothalamus and pituitary gland. Roessmann U, et al. **J Neuropathol Exp Neurol** 1987 Sep;46(5):597–608

Septo-optic dysplasia: recognition of causes of false-positive hepatobiliary scintigraphy in neonatal jaundice. Kumura D, et al. **J Nucl Med** 1987 Jun;28(6):966–72

Ultrasound evaluation of septo-optic dysplasia in the new born. Report of a case. Nowell M. **Neuroradiology** 1986; 28(5–6):491–2

Growth hormone deficiency associated with the ectrodactyly-ectodermal dysplasia-clefting syndrome and isolated absent septum pellucidum. Knudtzon J, et al. **Pediatrics** 1987 Mar;79(3):410–2

[Septo-optic dysplasia disclosed in adults] Rousseaux M, et al. **Ann Med Interne (Paris)** 1986;137(7):536–8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Neurotensin immunoreactive structures in the human infant striatum, septum, amygdala and cerebral cortex. Michel JP, et al. **Brain Res** 1986 Nov 5;397(1):93–102

GABAergic neurons in the septum of the lizard, Podarcis hispanica. Schwerdtfeger WK, et al. **Brain Res** 1986 Oct 1;384(1):184–8

Fimbria-fornix lesion increases nerve growth factor content in adult rat septum and hippocampus. Weskamp G, et al. **Neurosci Lett** 1986 Sep 25;70(1):121–6

ANATOMY & HISTOLOGY

Ultrasonographic evaluation of cavum septi pellucidi and cavum Vergae. Nakajima Y, et al. **Brain Dev** 1986; 8(5):505–8

Detailed projection patterns of septal and diagonal band efferents to the hippocampus in the rat with emphasis on innervation of CA1 and dentate gyrus. Nyakas C, et al. **Brain Res Bull** 1987 Apr;18(4):533–45

Vasopressin cells in the medial amygdala of the rat project to the lateral septum and ventral hippocampus. Caffé AR, et al. **J Comp Neurol** 1987 Jul 8;261(2):237–52

[Projections of the amygdala and septum to the caudate nucleus of the cat brain] Gorbachevskaia AI. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):18–26 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Various types of non-pyramidal hippocampal neurons project to the septum and contralateral hippocampus. Schwerdtfeger WK, et al. **Brain Res** 1986 Oct 29; 386(1–2):146–54

Organization of the nervous tissue (hippocampus and septum) developing in the anterior eye chamber. III. Axonal processes and their synaptic endings. Zhuravleva ZN, et al. **J Hirnforsch** 1986;27(3):323–41

DRUG EFFECTS

Enhanced frustrative nonreward effect following 6-hydroxydopamine lesions of the lateral septum in the rat. Taghzouti K, et al. **Behav Neurosci** 1985 Dec; 99(6):1066–73

Septal-preoptic unit responses to microelectrophoresis of cholecystokinin, gastrin, vasoactive intestinal peptide and secretin in the rat. Akema T, et al. **Brain Res** 1986 Oct 22;385(2):366–70

Effect of serotonin and serotonin analogues on passive membrane properties of lateral septal neurons in vitro. Joëls M, et al. **Brain Res** 1987 Aug 4;417(1):99–107

Modulation by arginine vasopressin of glutamate excitation in the ventral septal area of the rat brain. Disturnal JE, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):30–5

Direct, neuronal action of atrial natriuretic factor in the rat brain. Wong M, et al. **Neuroendocrinology** 1986;44(1):49–53

Microinjection of a vasopressin antagonist into the ventral septal area: effects on interleukin-1 fever. Naylor AM, et al. **Proc West Pharmacol Soc** 1986;29:349–52

[Effect of anticholinergic drugs alone and in combination with nembutal on burst theta-neurons of the rabbit septum] Brazhnik ES, et al. **Zh Vyssh Nerv Deiat** 1986 Nov–Dec; 36(6):1083–92 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Sexually dimorphic development of cholinergic enzymes in the rat septohippocampal system. Loy R, et al. **Brain Res** 1987 Jul;431(1):156–60

An immunocytochemical study of choline acetyltransferase-containing neurons and axon terminals in normal and partially deafferented hippocampal formation. Matthews DA, et al. **Brain Res** 1987 Jan 27;402(1):30–43

Characterization of acetylcholinesterase isoforms in septal and hippocampal cultures and cocultures. Schegg KM, et al. **Brain Res** 1986 Dec;395(2):221–30

INJURIES

Brain damage from boxing [letter] Aoki N. **J Neurosurg** 1987 Jan;66(1):153–4

METABOLISM

Pulsatile release of antipyretic neuropeptide alpha-MSH from septum of rabbit during fever. Bell RC, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):R1152–7

Choline and acetylcholine metabolism in slice cultures of the newborn rat septum. Keller F, et al. **Brain Res** 1987 Mar 10;405(2):305–12

Quantitative autoradiographic maps of local cerebral glucose metabolism in awake rats: I. Septal region and anterior hypothalamus. Brainard GC, et al. **J Comp Neurol** 1987 May 22;259(4):559–70

Increased tissue level of atrial natriuretic polypeptide in the hypothalamus and septum of spontaneously hypertensive rats. Morii N, et al. **J Hypertens [Suppl]** 1986 Oct; 4(3):S309–12

Origin of septal thyrotropin-releasing hormone in the rat. Ishikawa K, et al. **Neuroendocrinology** 1986;44(1):54–8

Vasopressin-like peptides retain ethanol tolerance in the absence of changes in serotonin synthesis in limbic structures. Speisky MB, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):797–803

PATHOLOGY

On the cavum septi pellucidi and the cavum Vergae. Oteruelo FT. **Anat Anz** 1986;162(4):271–8

PHYSIOLOGY

Mouse killing induced by para-chlorophenylalanine injections or septal lesions but not olfactory bulb lesions is similar to that of food-deprived spontaneous killers. Albert DJ, et al. **Behav Neurosci** 1985 Jun;99(3):546–54

Spatial problem solving in a dual runway task by normal and septal rats. Herrmann T, et al. **Behav Neurosci** 1985 Aug;99(4):631–7

Differential effects of posterior septal lesions on dispositional and representational memory [published erratum appears in Behav Neurosci 1987 Feb;101(1):12] Thomas GJ, et al. **Behav Neurosci** 1986 Oct;100(5):712–9

Cross-correlation analysis of septohippocampal neurons during theta-rhythm. Alonso A, et al. **Brain Res** 1987 Jun 9;413(1):135–46

Septohippocampal and commissural pathways antagonistically control inhibitory interneurons in the dentate gyrus. Bilkey DK, et al. **Brain Res** 1987 Mar 10; 405(2):320–5

Hippocampal formation neurons code the level of activation of the cholinergic septohippocampal pathway. Colom LV, et al. **Brain Res** 1987 Apr 28;410(1):12–20

Dopamine agonists produce functional recovery from septal lesions which affect hypothalamic defensive attack in cats. Maeda H, et al. **Brain Res** 1987 Mar 31;407(2):381–5

Xenografts of brain cells labeled in cell suspensions show growth and differentiation in septo-hippocampal transplants. Wells J, et al. **Brain Res** 1986 Sep 24; 383(1–2):333–8

Rostromedial septal area controls pulsatile growth hormone release in the golden hamster. Borer KT. **Brain Res Bull** 1987 Apr;18(4):485–90

Adipsia-polydipsia induced by simultaneous lesion of the mediventral septum and anteroventral third ventricle area in the rat. Montes R, et al. **Brain Res Bull** 1986 Dec; 17(6):823–8

Non-cholinergic afferents determine the distribution of the cholinergic septohippocampal projection: a study of the AChE staining pattern in the rat fascia dentata and hippocampus after lesions, X-irradiation, and intracerebral grafting. Zimmer J, et al. **Exp Brain Res** 1986;64(1):158–68

Passive-avoidance learning after medial septal lesions: effect of experience and the peripheral sympathetic nervous system. Harrell LE, et al. **Exp Neurol** 1987 Sep;97(3):542–54

Failure of chronic physostigmine to ameliorate working memory deficits after medial septal lesions. Parsons DS, et al. **Exp Neurol** 1987 May;96(2):456–61

Ganglioside-induced alterations in hippocampal cholinergic enzymes and Na,K-ATPase after fimbria-fornix transection. Fass B, et al. **J Neurosci Res** 1987;17(1):45–50

Dopaminergic modulation of the septo-hippocampal cholinergic system activity under stress. Gilad GM, et al. **Life Sci** 1986 Dec 22;39(25):2387–93

Serotonin mediates cardiovascular responses to acetylcholine, bradykinin, angiotensin II and norepinephrine in the lateral septal area of the rat brain. Pirola CJ, et al. **Neuropharmacology** 1987 Jun;26(6):561–6

Subcortical pathways involved in the mediation of adrenocortical responses following frontal cortex stimulation. Feldman S, et al. **Neurosci Lett** 1987 Jan 2; 73(1):85–9

Electrophysiology of AChE-positive neurons in basal forebrain slices. Griffith WH, et al. **Neurosci Lett** 1986 Nov 11;71(2):169–74

Lesions of the posterior septum or of the habenula decrease [3H]hemicholinium-3 binding (as measured by autoradiography) in the interpeduncular nucleus of the rat. Motohashi N, et al. **Neurosci Lett** 1987 May 19;76(3):339–44

Loss of GABAergic neurons in medial septum after fimbria-fornix transection. Peterson GM, et al. **Neurosci Lett** 1987 May 6;76(2):140–4

Neurotrophic effects of hippocampal target cells on developing septal cholinergic neurons in culture. Hsiang J, et al. **Neuroscience** 1987 May;21(2):333–43

Defensive aggression toward an experimenter: no differences between males and females following septal, medial accumbens, or medial hypothalamic lesions in rats. Albert DJ, et al. **Physiol Behav** 1986;38(1):11–4

[Effect of isorhythmic and heterorhythmic stimulation of the septum and mammillary bodies on the EEG of the rabbit] Korinevskaia IV. **Zh Vyssh Nerv Deiat** 1987 Jan–Feb; 37(1):62–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Differential responsivity of corticosterone and prolactin to stress following lesions of the septum or amygdala: implications for psychoneuroendocrinology. Seggie J. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):315–24

The stress-induced response of the septo-hippocampal cholinergic system. A vectorial outcome of psychoneuroendocrinological interactions. Gilad GM. **Psychoneuroendocrinology** 1987;12(3):167–84

RADIOGRAPHY

[Splitting of the lateral shift of the frontal horns and septum

pellucidum as an indicator of the dynamics of expanding processes in the temporal lobe] Kojder I, et al. **Pol Przegl Radiol (Warszawa)** 1986 May-Jun;50(3):133-6 (Eng. Abstr.) **(Pol)**

SECRETION

Septal release of vasopressin in response to osmotic, hypovolemic and electrical stimulation in rats. Demotes-Mainard J, et al. **Brain Res** 1986 Sep 3; 381(2):314-21

SURGERY

Primary oligodendroglioma of the septum pellucidum. Garza-Mercado R, et al. **Neurosurgery** 1987 Jul;21(1):78-80

TRANSPLANTATION

Factors affecting innervation in the CNS: comparison of three cholinergic cell types transplanted to the hippocampus of adult rats. Gibbs RB, et al. **Brain Res** 1986 Sep 24;383(1-2):362-6

Long-term effects of nerve growth factor and neural transplants on behavior of rats with medial septal lesions. Pallage V, et al. **Brain Res** 1986 Oct 29;386(1-2):197-208

Transplants of cholinergic septal explants reinnervate adult rodent hippocampus. Ezerman EB, et al. **Brain Res Bull** 1987 Mar;18(3):337-43

Susceptibility to pentylenetetrazol-induced and audiogenic seizures in rats with selective fimbria-fornix lesions and intrahippocampal septal grafts. Cassel JC, et al. **Exp Neurol** 1987 Sep;97(3):564-76

Grafted septal neurons form cholinergic synaptic connections in the dentate gyrus of behaviorally impaired aged rats. Clarke DJ, et al. **J Comp Neurol** 1986 Oct 22;252(4):483-92

Cholinergic septal grafts into the hippocampal formation improve spatial learning and memory in aged rats by an atropine-sensitive mechanism. Gage FH, et al. **J Neurosci** 1986 Oct;6(10):2837-47

Grafts of fetal septal cholinergic neurons to the hippocampal formation in aged or fimbria-fornix lesioned rats. Björklund A, et al. **Prog Brain Res** 1987;72:333-42

ULTRASTRUCTURE

An ultrastructural study of GABA-immunoreactive neurons and terminals in the septum of the rat. Onténiente B, et al. **J Neurosci** 1987 Jan;7(1):48-54

[Synapsoarchitectonics of the septum of the cat brain] Lazriev IL, et al. **Arkh Anat Gistol Embriol** 1986 Sep; 91(9):27-30 (Eng. Abstr.) **(Rus)**

SEQUENCE HOMOLOGY, NUCLEIC ACID see under **BASE SEQUENCE**

SERGENTOMYIA see **PSYCHODIDAE**

SERIAL EXTRACTION

Let's take a rational look at permanent second molar extraction [editorial] Haas AJ. **Am J Orthod Dentofacial Orthop** 1986 Nov;90(5):361-3

Incisor extraction case report. Hinkle F. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):94-7

Lower first premolar extraction [letter] Waisbord de Chudnovsky A. **Am J Orthod Dentofacial Orthop** 1987 Sep; 92(3):262-3

An evaluation of combination second molar extraction and functional appliance therapy. Whitney EF, et al. **Am J Orthod Dentofacial Orthop** 1987 Mar;91(3):183-92

The criteria for lower second molar extraction. Dacre JT. **Br J Orthod** 1987 Jan;14(1):1-9

Periodontal status of teeth facing extraction sites long-term after orthodontic treatment. Artun J, et al. **J Periodontol** 1987 Jan;58(1):24-9

SERIAL LEARNING

Effects of concurrent spatial and verbal memory loads on serial position functions of laterally presented letter strings. Bouma A. **Brain Cogn** 1987 Jul;6(3):295-320

Differential conditioning of the rabbit's nictitating membrane response to serial compound stimuli. Kehoe EJ, et al. **J Exp Psychol [Anim Behav]** 1987 Jan;13(1):17-30

Representation of serial order in speech: evidence from the repeated phoneme effect in speech errors. Dell GS. **J Exp Psychol [Learn Mem Cogn]** 1984 Apr;10(2):222-33

Representation of linear orders. Taylor DA, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jan;10(1):61-71

The effects of visual conspicuousness and the concept of randomness on the recognition of randomness in sequences. Wiegersma S. **J Gen Psychol** 1987 Apr;114(2):157-65

The sources of visual recency: movement and language in serial recall. Campbell R, et al. **Q J Exp Psychol [A]** 1983 Nov;35 Pt 4:571-87

SERINE

Differential racemization of aspartate and serine in human myelin basic protein. Shapira R, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1342-9

Modification of synthetic peptides related to lactate dehydrogenase (231-242) by protein carboxyl methyltransferase and tyrosine protein kinase: effects of introducing an isopeptide bond between aspartic acid-235 and serine-236. Aswad DW, et al. **Biochemistry** 1987 Feb 10;26(3):675-81

Theoretical study of the packing of alpha-helices into possible transmembrane bundles. Sequences including alanines, leucines and serines. Furois-Corbin S, et al. **Biochim Biophys Acta** 1987 Aug 7;902(1):31-45

Structure of the serine-containing capsular polysaccharide K40 antigen from Escherichia coli O8:K40:H9. Dengler T, et al. **Carbohydr Res** 1986 Aug 1;150:233-40

Stereoselective formation of a 2'(3')-aminoacyl ester of a nucleotide. Weber AL. **J Mol Evol** 1987;25(1):7-11

Novel serine phosphorylation of pp60c-src in intact cells after tumor promoter treatment. Gentry LE, et al. **Mol Cell Biol** 1986 Feb;6(2):735-8

Time resolved quenching study of serine-195 labeled alpha-chymotrypsin. Desie G, et al. **Photochem Photobiol** 1987 Jan;45(1):67-77

Lysine-156 and serine-119 are required for LexA repressor cleavage: a possible mechanism. Slilaty SN, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):3987-91

ANALOGS & DERIVATIVES

Clinical effects of L-threo-3,4-dihydroxyphenylserine in cases of parkinsonism and pure akinesia. Narabayashi H, et al. **Adv Neurol** 1987;45:593-602

Reactions of O-acyl-L-serines with tryptophanase, tyrosine phenol-lyase, and tryptophan synthase. Phillips RS. **Arch Biochem Biophys** 1987 Jul;256(1):302-10

Reversal by L-threo-3,4-dihydroxyphenylserine (L-threo-DOPS), a L-norepinephrine precursor of reserpine- or tetrabenazine-induced hypothermia. Katsuyama M, et al. **Arch Int Pharmacodyn Ther** 1986 Sep; 283(1):61-70

L-threo-3,4-dihydroxyphenylserine (DOPS) aldolase: a new enzyme cleaving DOPS into protocatechualdehyde and glycine. Naoi M, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):482-8

Studies on the activity of L-threo-3,4-dihydroxyphenylserine (L-DOPS) as a catecholamine precursor in the brain. Comparison with that of L-dopa. Kato T, et al. **Biochem Pharmacol** 1987 Sep 15;36(18):3051-7

Characterization of the phosphoserine of pepsinogen using 31P nuclear magnetic resonance: corroboration of X-ray crystallographic results. Williams SP, et al. **Biochemistry** 1986 Oct 21;25(21):6655-9

Resolution and identification of O-phosphoserine, O-phosphothreonine, O-phosphotyrosine, and gamma-carboxyglutamic acid as their fluorescent o-phthalaldehyde derivatives by high performance liquid chromatography. Etheredge RW 3d, et al. **Calcif Tissue Int** 1986 Oct;39(4):239-43

A new method for the selective isolation of phosphoserine-containing peptides. Holmes CF. **FEBS Lett** 1987 May 4;215(1):21-4

Possible incorporation of phosphoserine into globin readthrough protein via bovine opal suppressor phosphoseryl-tRNA. Mizutani T, et al. **FEBS Lett** 1986 Oct 20;207(1):162-6

Cluster of genes controlling synthesis and activation of 2,3-dihydroxybenzoic acid in production of enterobactin in Escherichia coli. Nahlik MS, et al. **J Bacteriol** 1987 Sep; 169(9):4163-70

Genetic organization of multiple fep genes encoding ferric enterobactin transport functions in Escherichia coli. Ozenberger BA, et al. **J Bacteriol** 1987 Aug;169(8):3638-46

Molecular characterization of the Escherichia coli enterobactin cistron entF and coupled expression of entF and the fes gene. Pettis GS, et al. **J Bacteriol** 1987 Sep; 169(9):4154-62

The human T3 gamma chain is phosphorylated at serine 126 in response to T lymphocyte activation. Davies AA, et al. **J Biol Chem** 1987 Aug 15;262(23):10918-21

Identification and assay of phosphoserine and tyrosine-O-sulphate in fibrinopeptides by reversed-phase high-performance liquid chromatography. Lucas J, et al. **J Chromatogr** 1986 Nov 21;369(2):357-64

Effects of undernutrition during suckling on phosphoryl-serine levels in brain nuclear proteins of adult rats. Salbego C, et al. **J Nutr** 1986 Nov;116(11):2303-10

Effects of L-threo-3,4-dihydroxyphenylserine on efflux of monoamines and acetylcholine in guinea pig brain. Nishino N, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):621-8

Effect of L-threo-3,4-dihydroxyphenylserine (L-DOPS), an immediate precursor of norepinephrine, on the cerebral blood flow in rats. Sato E, et al. **Jpn J Pharmacol** 1987 Jan;43(1):91-3

Effect of L-threo-3,4-dihydroxyphenylserine(L-threo-DOPS) on brain and serum MHPG levels in mice: evidence for NE formation in CNS. Karai N, et al. **Life Sci** 1987 Jun 8; 40(23):2261-8

gp140v-fms molecules expressed at the surface of cells transformed by the McDonough strain of feline sarcoma virus are phosphorylated in tyrosine and serine. Tamura T, et al. **Mol Cell Biol** 1986 Dec;6(12):4745-8

Studies on the central action of L-threo-3,4-dihydroxyphenyl-serine (L-threo-DOPS) in FLA-63-treated mice. Kato T, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):407-11

The effect of L-erythro-dihydroxyphenylserine injected into the lateral ventricle and the hypothalamus on the locomotor activity. Noto T, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):411-4

Unique pathway of expression of an opal suppressor phosphoserine tRNA. Lee BJ, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6384-8

Effect of L-threo-3,4-dihydroxyphenylserine (L-DOPS) on catecholamine levels in plasma and cerebrospinal fluid (CSF) in anesthetized rats. Ishikawa Y, et al. **Proc Soc Exp Biol Med** 1987 Feb;184(2):197-200

[Clinical effects of oral L-threo-3,4-dihydroxyphenylserine on orthostatic hypotension in patients with Shy-Drager syndrome] Senda Y, et al. **Rinsho Shinkeigaku** 1987 Mar; 27(3):300-4 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Molecular orbital studies on serine, cysteine, and modified proteases. Nakagawa S, et al. **Chem Pharm Bull (Tokyo)** 1977 May;25(5):909-17

Amino acid sequence of the serine active-site region of the medium-chain S-acyl fatty acid synthetase thioester hydrolase from rat mammary gland. Randhawa ZI, et al. **Eur J Biochem** 1987 Feb 2;162(3):577-81

BIOSYNTHESIS

Oxygen limitation on L-serine production in a hollow-fiber bioreactor. Klier J, et al. **Appl Biochem Biotechnol** 1986 Dec;13(3):181-7

Effect of acute ethanol on serine biosynthesis in liver. LaBaume LB, et al. **Arch Biochem Biophys** 1987 Aug 1; 256(2):569-77

Genetic characterization of a highly efficient alternate pathway of serine biosynthesis in Escherichia coli. Ravnikar PD, et al. **J Bacteriol** 1987 Jun;169(6):2611-7

BLOOD

A biochemical basis for psychotic symptoms in patients with brain dysfunction. Waziri R, et al. **Eur Arch Psychiatry Neurol Sci** 1987;236(4):251-5

Mitogen treatment of permeabilized human T lymphocytes stimulates rapid tyrosine and serine phosphorylation of a 42 kDa protein. Mire AR, et al. **FEBS Lett** 1986 Sep 29; 206(1):53-8

Homocysteinemia: depressed plasma serine levels. Dudman NP, et al. **Metabolism** 1987 Feb;36(2):198-201

METABOLISM

Renal metabolism of amino acids in vivo: studies on serine and glycine fluxes. Lowry M, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):F304-9

Prenatal diagnosis of non-ketotic hyperglycinaemia:amniotic fluid glycine and glycine:serine ratios. Smythe PJ, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):203-4

Gluconeogenesis from serine in rabbit hepatocytes. Clary GL, et al. **Arch Biochem Biophys** 1987 Aug 15;257(1):48-55

Epidermal growth factor stimulates serine and tyrosine phosphorylation in a 59-kD protein in purified plasma membranes from rat liver. David-Pfeuty T, et al. **Biochem Biophys Res Commun** 1987 Jun 15;145(2):982-8

An estimate of the extent of deamination of L-serine in auxotrophs of Escherichia coli K-12. Ramotar D, et al. **Can J Microbiol** 1986 Nov;32(11):842-6

Composition and labeling by [3H]glycerol and [3H]serine of phospholipids of the chicken retina and optic tectum. Marcheselli VL, et al. **Comp Biochem Physiol [B]** 1986; 85(4):825-32

Identification of the specific phosphorylated serine in the bovine alpha crystallin A1 chain. Chiesa R, et al. **Curr Eye Res** 1987 Mar;6(3):539-42

Rickettsia prowazekii requires host cell serine and glycine for growth. Austin FE, et al. **Infect Immun** 1987 Jan; 55(1):240-4

Subcellular site of synthesis of the N-acetylgalactosamine (alpha 1-0) serine (or threonine) linkage in rat liver. Abeijon C, et al. **J Biol Chem** 1987 Mar 25;262(9):4153-9

Phosphorylation of serine 833 in cytoplasmic domain of low density lipoprotein receptor by a high molecular weight enzyme resembling casein kinase II. Kishimoto A, et al. **J Biol Chem** 1987 Jan 25;262(3):1344-51

Rat pheochromocytoma tyrosine hydroxylase is phosphorylated on serine 40 by an associated protein kinase. Pigeon D, et al. **J Biol Chem** 1987 May 5; 262(13):6155-8

Serine incorporation into the selenocysteine moiety of glutathione peroxidase. Sunde RA, et al. **J Biol Chem** 1987 Jan 15;262(2):933-7

Extracellular accumulation of proline, serine and trehalose in the haemolymph of osmoconforming brackish-water mosquitoes. Garrett MA, et al. **J Exp Biol** 1987 May; 129:231-8

Effect of choline, ethanolamine and serine supplementation on the membrane properties of Microsporum gypseum. Pandey R, et al. **Lipids** 1987 Jul;22(7):530-4

Linked metabolism of L-serine and L-alanine by Moniliformis moniliformis (Acanthocephala) in vitro. Ward PF, et al. **Parasitology** 1986 Oct;93 (Pt 2):333-40

PHARMACODYNAMICS

Chemical and enzymatic oxidation of 4-methylcatechol in the presence and absence of L-serine. Spectrophotometric

determination of intermediates. Cabanes J, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):190–7

Enzymatic oxidation by frog epidermis tyrosinase of 4–methylcatechol and p–cresol. Influence of L–serine. García–Carmona F, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):198–204

Effects of L–serine borate on antagonism of leukotriene C4–induced contractions of guinea–pig trachea. Charette L, et al. **Br J Pharmacol** 1987 May;91(1):179–88

Differences in the ability of salbutamol to prevent and reverse LTC4–induced contractions of the guinea–pig isolated trachea: influence of l–serine borate. Hay DW, et al. **Eur J Pharmacol** 1986 Jul 31;126(3):323–7

L–serine enhances the anaerobic lactate metabolism of Veillonella dispar ATCC 17745. Hoshino E. **J Dent Res** 1987 Jun;66(6):1162–5

L–serine potentiates the mitogenic effects of growth factors on cultured human keratinocytes. Wilkinson DI. **J Invest Dermatol** 1987 Feb;88(2):198–201

Pharmacological comparison of L–serine borate and glutathione as inhibitors of metabolism of LTC4 to LTD4 by the isolated guinea pig trachea. Hand JM, et al. **Prostaglandins** 1987 May;33(5):709–16

PHYSIOLOGY

Pig pancreatic anhydro–elastase. Role of the serine–195 hydroxy group in the binding of inhibitors and substrate. Williams HR, et al. **Biochem J** 1987 Feb 15;242(1):267–73

Coordinate regulation of phospholipid biosynthesis by serine in Saccharomyces cerevisiae. Homann MJ, et al. **J Bacteriol** 1987 Jul;169(7):3276–80

URINE

[Comparative characteristics of the excretion of the nitrogenous components of phospholipids in diseases of the kidneys with secondary oxaluria in children] Malashina OA, et al. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):22–6 (Eng. Abstr.) **(Rus)**

SERINE DEAMINASE see **SERINE DEHYDRATASE**

SERINE DEHYDRATASE

GENETICS

Evolution of biosynthetic pathways: a common ancestor for threonine synthase, threonine dehydratase and D–serine dehydratase. Parsot C. **EMBO J** 1986 Nov;5(11):3013–9

In vivo D–serine deaminase transcription start sites in wild–type Escherichia coli and in dsdA promoter mutants. Bornstein–Forst SM, et al. **J Bacteriol** 1987 Mar; 169(3):1056–60

Covalent structure of biodegradative threonine dehydratase of Escherichia coli: homology with other dehydratases. Datta P, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):393–7

METABOLISM

An improved method for adrenalectomy of suckling rats. The influence of thrombin treatment and deoxycorticosterone substitution on survival and on hepatic and renal enzyme activities. Schulze E, et al. **Biomed Biochim Acta** 1986;45(8):1049–56

An estimate of the extent of deamination of L–serine in auxotrophs of Escherichia coli K–12. Ramotar D, et al. **Can J Microbiol** 1986 Nov;32(11):842–6

SERINE HYDROXYMETHYLTRANSFERASE see under **TRANSFERASES**

SERINE PHOSPHOGLYCERIDES see **PHOSPHATIDYLSERINES**

SERODIAGNOSIS

Serologic markers after the transplantation of corneas from donors infected with human immunodeficiency virus. Pepose JS, et al. **Am J Ophthalmol** 1987 Jun 15; 103(6):798–801

The serodiagnosis of tuberculosis and other mycobacterial diseases by enzyme–linked immunosorbent assay. Daniel TM, et al. **Am Rev Respir Dis** 1987 May;135(5):1137–51 (88 ref.)

Serodiagnosis of histoplasmosis and blastomycosis [editorial] Davies SF, et al. **Am Rev Respir Dis** 1987 Aug;136(2):254–5

Serologic studies in juvenile rheumatoid arthritis: a review. Petty RE, et al. **Arthritis Rheum** 1977 Mar;20(2 Suppl):260–7 (69 ref.)

Role of serodiagnostic tests and skin tests in the diagnosis of fungal disease. Davies SF, et al. **Clin Chest Med** 1987 Mar;8(1):135–46

Comparative efficacy of faecal examination & serological methods in experimental schistosomiasis in mouse. Panesar N, et al. **Indian J Med Res** 1986 Oct;84:366–73

Immunoserology of malaria. Franco EL. **Rev Inst Med Trop Sao Paulo** 1986 Mar–Apr;28(2):111–25 (90 ref.)

Serology in renal disease: a review. Schwab TR, et al. **Semin Nephrol** 1985 Sep;5(3):179–87

[Enzyme–linked immunosorbent assay (micro–ELISA) for serological diagnosis of multilocular echinococcosis] Nakao M, et al. **Hokkaido Igaku Zasshi** 1986 Jul;61(4):576–83 (Eng. Abstr.) **(Jpn)**

[Evaluation of sero–diagnostic technics in the diagnosis of Chlamydia psittaci infection, a study on experimental infection] Tomita H. **Kansenshogaku Zasshi** 1986 May; 60(5):428–42 (Eng. Abstr.) **(Jpn)**

[Production of erysipeloid antibody erythrocytes as diagnostic agents of differing specificity] Denisov GI, et al. **Lab Delo** 1987;(3):171–6 (Eng. Abstr.) **(Rus)**

METHODS

Comparative sensitivities of several diagnostic methods used to detect fish furunculosis. Sakai M, et al. **Kitasato Arch Exp Med** 1986 Sep;59(3):43–8

Hydatid disease: research and control in Turkana. II. The role of immunological techniques for the diagnosis of hydatid disease. Craig PS, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):183–92

[Use of the labeled–serotonin release test using rat mast cells for the purpose of diagnosing allergies] Blokha VV, et al. **Lab Delo** 1986;(10):625–7 (Eng. Abstr.) **(Rus)**

VETERINARY

[Interpretation of results of serologic analyses in large animal practices] Holzhauer C. **Tijdschr Diergeneeskd** 1987 Apr 1;112(7):390–5 (Eng. Abstr.) **(Dut)**

[Serological studies on swine. Significance and interpretation of laboratory results for clinical practice] Hunneman WA, et al. **Tijdschr Diergeneeskd** 1987 May 15;112(10):587–97 (Eng. Abstr.) **(Dut)**

SEROLOGY

[Current criteria in assessing the activities of the isoserology service of a blood transfusion station] Klimova KN, et al. **Gematol Transfuziol** 1986 Nov;31(11):54–6 **(Rus)**

METHODS

[Immunochemical relativism: its importance for forensic medicine serology and the means for its use and mastery] Potapov MI, et al. **Sud Med Ekspert** 1987 Apr–Jun; 30(2):28–31 (Eng. Abstr.) **(Rus)**

SEROMUCOID see **OROSOMUCOID**

SEROSITIS

COMPLICATIONS

[Eosinophilic polyserositis and retractile mesenteritis. An unusual case (letter)] Gosset D, et al. **Presse Med** 1987 May 16;16(18):918 **(Fre)**

DIAGNOSIS

Serositis with autoimmune endocrinopathy: clinical and immunogenetic features. Tucker WS Jr, et al. **Medicine (Baltimore)** 1987 Mar;66(2):138–47

ETIOLOGY

Periappendicitis: possible surgical pitfall. Smith SB, et al. **Milit Med** 1986 Nov;151(11):612–3

PATHOLOGY

[Serous membrane lesions in tuberculosis in adolescents] Firsova VA, et al. **Probl Tuberk** 1987;(4):66–8 **(Rus)**

SEROTHERAPY see **IMMUNIZATION, PASSIVE**

SEROTONIN

Chemical and enzymatic oxidative coupling of 5–hydroxy–N,N–dimethyltryptamine with amines. Babin F, et al. **J Med Chem** 1987 Jul;30(7):1239–41

Induction of a neural phenotype in a serotonergic endocrine cell derived from the neural crest. Barasch JM, et al. **J Neurosci** 1987 Sep;7(9):2874–83

(+)–8–OH–DPAT and 5–MeODMT induced analgesia is antagonised by noradrenaline depletion. Archer T, et al. **Physiol Behav** 1987;39(1):95–102

[Calculation of the structure of the serotonin–antibiotic lasalocid A complex by conformation analysis and the Monte Carlo method] Alieva IN, et al. **Biofizika** 1987 Mar–Apr;32(2):237–41 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Antimutagenic properties of WR 2721 and of a radioprotective mixture, ATP–AET–serotonin, with regard to X ray induced reciprocal translocations in mouse spermatogonia. Benova D. **Int J Radiat Oncol Biol Phys** 1987 Jan;13(1):117–9

The effects of intrathecally applied noradrenaline and 5–hydroxytryptamine on spinal nocifensive reflexes and the rostral transmission of noxious information to the thalamus in the rat. Barasi S, et al. **Neurosci Lett** 1987 Aug 5; 78(3):328–32

ADVERSE EFFECTS

Serotonin and experimental vascular disease. Heistad DD, et al. **Int J Cardiol** 1987 Feb;14(2):205–12

ANALOGS & DERIVATIVES

Chronic treatment with antidepressant drugs and the analgesia induced by 5–methoxy–N,N–dimethyltryptamine: attenuation by desipramine. Danysz W, et al. **Acta Pharmacol Toxicol (Copenh)** 1986 Aug;59(2):103–12

The amine transporter from bovine chromaffin granules: photolabeling and partial purification. Schuldiner S, et al. **Ann NY Acad Sci** 1987;493:189–93

Radioenzymatic microassay for picogram quantities of serotonin or acetylserotonin in biological fluids and tissues. Hussain MN, et al. **Biochem Med Metab Biol** 1987 Jun; 37(3):314–22

Study of metabolism of psychotomimetic indolealkylamines by rat tissue extracts using liquid chromatography. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1503–8

In vivo metabolism of 5–methoxy–N,N–dimethyltryptamine and N,N–dimethyltryptamine in the rat. Sitaram BR, et al. **Biochem Pharmacol** 1987 May 1;36(9):1509–12

Urinary excretion of 5–methoxy–N,N–dimethyltryptamine, N,N–dimethyltryptamine and their N–oxides in the rat. Sitaram BR, et al. **Biochem Pharmacol** 1987 Jul 1; 36(13):2235–7

5–Methoxy–N,N–dimethyltryptamine–induced analgesia is blocked by alpha–adrenoceptor antagonists in rats. Archer T, et al. **Br J Pharmacol** 1986 Oct;89(2):293–8

Levels of norepinephrine, epinephrine, dopamine, serotonin and N–acetylserotonin in aqueous humour. Trope GE, et al. **Can J Ophthalmol** 1987 Apr;22(3):152–4

Inhibition of 5–carboxamidotryptamine–induced relaxation of guinea–pig ileum correlates with [125I]LSD binding. Kalkman HO, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):139–45

Central serotonin receptors as targets for drug research. Glennon RA. **J Med Chem** 1987 Jan;30(1):1–12 (178 ref.)

5–HT agonist induced analgesia modulated by central but not peripheral noradrenaline depletion in rats. Minor BG, et al. **J Neural Transm** 1986;66(3–4):243–59

Ontogeny of circadian rhythmicity for melatonin, serotonin, and N–acetylserotonin in humans. Attanasio A, et al. **J Pineal Res** 1986;3(3):251–6

Pineal, retinal, serum melatonin, and N–acetylserotonin rhythms in chicks on reversing light regimen and eye covering. Nir I, et al. **J Pineal Res** 1987;4(3):305–14

Two kinds of modification by 5–methoxy–N,N–dimethyltryptamine of contractile responses to electrical stimulation of isolated guinea–pig vas deferens. Yoshida S, et al. **Jpn J Pharmacol** 1987 Apr; 43(4):341–9

Further studies on the dose–dependent stimulus properties of 5–methoxy–N,N–dimethyltryptamine. Young R, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1207–10

5–Hydroxytryptamine antagonists and the 5–methoxy–N,N–dimethyltryptamine–induced changes of postdecapitation convulsions. Archer T. **Pharmacol Toxicol** 1987 Jan;60(1):37–42

Effect of the selective 5–HT3 receptor antagonists ICS 205–930 and MDL 72222 on 5–HTP–induced head shaking and behavioral symptoms induced by 5–methoxy–N,N,dimethyltryptamine in rats: comparison with some other 5–HT receptor antagonists. Shearman GT, et al. **Psychopharmacology (Berlin)** 1987;92(4):520–3

[Treatment of leprosy by human metabolites] Mester de Parajd L, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep; (102):363–72 (Eng. Abstr.) **(Fre)**

ANALYSIS

Immunohistochemical evidence for mast cells containing 5–hydroxytryptamine in rat portal vein. Barja F, et al. **Agents Actions** 1986 Aug;18(5–6):508–11

Immunohistochemical studies on the distribution of neuropeptides and serotonin in the suprachiasmatic nucleus of the Brattleboro rat. Kawata M, et al. **Arch Histol Jpn** 1987 Mar;50(1):1–14

Radioenzymatic microassay for picogram quantities of serotonin or acetylserotonin in biological fluids and tissues. Hussain MN, et al. **Biochem Med Metab Biol** 1987 Jun; 37(3):314–22

Distribution of serotonin–containing cell bodies in the brainstem of the human fetus determined with immunohistochemistry using antiserotonin serum. Takahashi H, et al. **Brain Dev** 1986;8(4):355–65

Thyrotropin–releasing hormone in spinal cord: coexistence with serotonin and with substance P in fibers and terminals apposing identified preganglionic sympathetic neurons. Appel NM, et al. **Brain Res** 1987 Jul 7;415(1):137–43

Changes with age in total brain concentrations of biogenic amine neurotransmitters in coho salmon (Oncorhynchus kisutch Walbaum). Ebbesson SO, et al. **Brain Res** 1987 Mar 3;405(1):175–7

Thyrotropin–releasing hormone–immunoreactive neurons project from the ventral medulla to the intermediolateral cell column: partial coexistence with serotonin. Helke CJ, et al. **Brain Res** 1986 Aug 27;381(1):1–7

A comparative study of the immunohistochemical localization of a presumptive proctolin–like peptide, thyrotropin–releasing hormone and 5–hydroxytryptamine in the rat central nervous system. Holets VR, et al. **Brain Res** 1987 Apr 7;408(1–2):141–53

Analysis of the change in number of serotonergic neurons in the chick spinal cord during embryonic development. Wallace JA, et al. **Brain Res Bull** 1986 Sep;17(3):297–305

Levels of norepinephrine, epinephrine, dopamine, serotonin and N-acetylserotonin in aqueous humour. Trope GE, et al. **Can J Ophthalmol** 1987 Apr;22(3):152–4

Ultrastructural colocalization of the bioactive mediators 5-hydroxytryptamine and bombesin in endocrine cells of human fetal airways. Dey RD, et al. **Cell Tissue Res** 1986; 246(1):119–24

Serotonin-immunoreactive cells of peculiar shape in the urethral epithelium of the human penis. Iwanaga T, et al. **Cell Tissue Res** 1987 Jul;249(1):51–6

Immunohistochemical demonstration of serotonergic and peptidergic nerve fibers in the subcommissural organ of the dog. Matsuura T, et al. **Cell Tissue Res** 1987 May; 248(2):287–95

Immunocytochemical localization of serotonin in the reptilian lung. Pastor LM, et al. **Cell Tissue Res** 1987 Jun; 248(3):713–5

Butyrate-induced cell differentiation of cell-cycle mutants and 'wild-type' mastocytoma cells: histamine, 5-hydroxytryptamine and metachromatic granules as independently regulated differentiation markers. Muller DE, et al. **Differentiation** 1986;32(1):82–8

The host serotonin projection to tectal grafts in young rats: an immunohistochemical study. Harvey AR, et al. **Exp Neurol** 1987 Mar;95(3):688–96

Quantitative histological distribution of serotonin in the rat stomach. Glick D, et al. **Gastroenterology** 1969 Oct; 57(4):390–4

An immunohistochemical study of serotonin-containing nerves in the colon of rats. Nada O, et al. **Histochemistry** 1987;86(3):229–32

The monoaminergic innervation of primate neocortex. Lewis DA, et al. **Hum Neurobiol** 1986;5(3):181–8 (30 ref.)

Sensitive determination of deuterated and non-deuterated tryptophan, tryptamine and serotonin by combined capillary gas chromatography and negative ion chemical ionization mass spectrometry. Hayashi T, et al. **J Chromatogr** 1986 Dec 19;383(2):259–69

Variation of melatonin and serotonin content in rat pineal gland with sex and oestrous phase difference determined by high-performance liquid chromatography with fluorimetric detection. Wakabayashi H, et al. **J Chromatogr** 1986 Aug 22;381(1):21–8

Immunohistochemical study on the development of serotoninergic neurons in the chick: I. Distribution of cell bodies and fibers in the brain. Sako H, et al. **J Comp Neurol** 1986 Nov 1;253(1):61–78

Immunohistochemical study on the development of serotoninergic neurons in the chick: II. Distribution of cell bodies and fibers in the spinal cord. Sako H, et al. **J Comp Neurol** 1986 Nov 1;253(1):79–91

Morphometric analysis of serotoninergic bipolar cells in the retina and its implications for retinal image processing. Schütte M, et al. **J Comp Neurol** 1987 Jun 22;260(4):619–26

Immunohistochemical localization of serotonin in the third ventricular wall of the lamprey, using backscattered electron imaging. Ushiki T, et al. **J Electron Microsc (Tokyo)** 1986;35(2):157–64

An improved immunocytochemical method for subcellular localization of serotonin in rat enterochromaffin cells. Nilsson O, et al. **J Histochem Cytochem** 1987 Mar; 35(3):319–26

Effects of short-term lithium administration on tryptophan levels and 5-hydroxytryptamine synthesis in whole brain and brain regions in rats. Berggren U. **J Neural Transm** 1987;69(1-2):115–21

Effect of oestradiol on the responses of regional brain serotonin to stress in the ovariectomized rat. Chomicka LK. **J Neural Transm** 1986;67(3-4):267–73

Transient depletion of serotonin in the nervous system of Helisoma. Gadotti D, et al. **J Neurobiol** 1986 Sep; 17(5):431–47

Regional distribution of substance P- and thyrotrophin-releasing hormone-like immunoreactivity and indoleamines in the rabbit spinal cord. Fone KC, et al. **J Neurochem** 1987 Apr;48(4):1027–32

Effects of injury on the indoleamines in cerebral cortex. Pappius HM, et al. **J Neurochem** 1987 Jul;49(1):321–5

Physiological identification, morphological analysis, and development of identified serotonin-proctolin containing neurons in the lobster ventral nerve cord. Beltz BS, et al. **J Neurosci** 1987 Feb;7(2):533–46

Cell lineage, cell death, and the developmental origin of identified serotonin- and dopamine-containing neurons in the leech. Stuart DK, et al. **J Neurosci** 1987 Apr; 7(4):1107–22

The coexistence of serotonin- and substance P-like immunoreactivity in the spinal cord of the rat as shown by immunofluorescent double labeling. Wessendorf MW, et al. **J Neurosci** 1987 Aug;7(8):2352–63

Effect of intravenous 5-hydroxytryptophan on hypothalamic concentration of norepinephrine, dopamine, serotonin and hydroxyindole acetic acid in the fetal lamb. Richards GE, et al. **Life Sci** 1987 May 18;40(20):2001–5

HPLC-EC analysis of catechols and indoles in rat brain dialysates. Sharp T, et al. **Life Sci** 1987 Aug 17;41(7):869–72

Behavioral and biochemical changes following acute administration of MPTP and MPP+. Tadano T, et al. **Life Sci** 1987 Mar 30;40(13):1309–18

The depletion of tryptophan and serotonin in the brain of developing hyperphenylalaninemic rats is abolished by the additional administration of lysine. Huether G. **Neurochem Res** 1986 Dec;11(12):1663–8

Monoaminergic fibers form conventional synapses in the cerebral cortex. Papadopoulos GC, et al. **Neurosci Lett** 1987 May 19;76(3):275–9

Decreased glutamic acid and increased 5-hydroxytryptamine in Huntington's disease brain. Reynolds GP, et al. **Neurosci Lett** 1987 Jul 22;78(2):233–8

gamma-Aminobutyric acid and 5-hydroxytryptamine interrelationship in the rat nucleus raphe dorsalis: combination of radioautographic and immunocytochemical techniques at light and electron microscopy levels. Harandi M, et al. **Neuroscience** 1987 Apr;21(1):237–51

Immunocytochemical demonstration of the presence of catecholamine and serotonin neurons in the sheep olfactory bulb. Tillet Y, et al. **Neuroscience** 1987 Mar;20(3):1011–22

Immunocytochemical demonstration of 5-hydroxytryptamine (serotonin) in the nervous system of the liver fluke, Fasciola hepatica (Trematoda, Digenea). Fairweather I, et al. **Parasitol Res** 1987;73(3):255–8

Peptide-hormone- and serotonin-immunoreactive tumour cells in carcinoma of the prostate. Abrahamsson PA, et al. **Pathol Res Pract** 1987 Jun;182(3):298–307

Displacement of serotonin from its adenosine triphosphate complex by tricyclic amines in vitro. Gasco MR, et al. **Pharm Acta Helv** 1986;61(9):264–6

Reexamination of the relationship between alcohol preference and brain monoamines in inbred strains of mice including senescence-accelerated mice. Yoshimoto K, et al. **Pharmacol Biochem Behav** 1987 Jun;27(2):317–22

Serotonin and serotonin-immunoreactive neurons in the nervous system of insects. Nässel DR. **Prog Neurobiol** 1988; 30(1):1–85 (420 ref.)

Serotonergic split brain and suicide. Arató M, et al. **Psychiatry Res** 1987 Aug;21(4):355–6

The serotonergic system in Tetrahymena pyriformis. Essman EJ. **Ric Clin Lab** 1987 Jan-Mar;17(1):77–82

Serotonin in tubular adenomas, adenocarcinomas and endocrine tumours of the stomach. An immunohistochemical study. Ito H, et al. **Virchows Arch [A]** 1986;410(3):239–45

Distribution of monoamine-containing neurons in the brain of the weakly electric teleost, Eigenmannia lineata (Gymnotiformes: Rhamphichthyidae). Bonn U, et al. **Z Mikrosk Anat Forsch** 1987;101(2):339–62

Presence of serotonin in the hen reproductive tract. Paczoska-Eliasiewicz H, et al. **Zentralbl Veterinarmed [A]** 1987 Apr;34(4):301–4

[Conditions for the use of specific antibodies for immunohistochemical visualization of serotonin and melatonin in the pineal gland of sheep] Tillet Y, et al. **C R Acad Sci [III]** 1986;303(3):77–82 (Eng. Abstr.) **(Fre)**

[Transplantation of serotonin neurons in the olfactory bulb of the adult rat] Mansour H, et al. **Neurochirurgie** 1986; 32(6):514–8 (Eng. Abstr.) **(Fre)**

[Circadian oscillations of serotonin and related indoles determined in the hypothalamus of the rat by high performance liquid chromatography] de Francisci P, et al. **Boll Soc Ital Biol Sper** 1986 Dec 30;62(12):1409–16 (Eng. Abstr.) **(Ita)**

[Fasciola hepatica: noradrenaline and serotonin in its tissue extracts] Shalaeva NM, et al. **Dokl Akad Nauk SSSR** 1986; 290(6):1503–5 **(Rus)**

[Changes in serotonin metabolism during food satiation in the mink and its effect on predatory aggression] Popova NK, et al. **Zh Vyssh Nerv Deiat** 1986 Nov-Dec; 36(6):1034–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Nutrition, serotonin and appetite: case study in the evolution of a scientific idea. Blundell JE, et al. **Appetite** 1987 Jun; 8(3):183–94 (52 ref.)

Food-induced changes in brain serotonin synthesis: is there a relationship to appetite for specific macronutrients? Fernstrom JD. **Appetite** 1987 Jun;8(3):163–82 (51 ref.)

Food-composition, changes in brain serotonin synthesis and appetite for protein and carbohydrate. Leathwood P. **Appetite** 1987 Jun;8(3):202–5

Adaptations of neurotransmitter synthesis to chronic hypoxia in cell culture. Feinsilver SH, et al. **Biochim Biophys Acta** 1987 Apr 2;928(1):56–62

5-Hydroxytryptamine is synthesized in neurons terminating in the neural and intermediate lobes of the rat pituitary gland. Shannon NJ, et al. **Brain Res** 1987 Feb 3; 402(2):287–92

Stimulation of serotonin synthesis in rat brain after administration of antiepilepsirine, an antiepileptic piperine derivative. Liu GQ, et al. **Chin Med J [Engl]** 1986 May; 99(5):411–6

Pulmonary synthesis of 5-hydroxytryptamine in isolated perfused rabbit and rat lung preparations. Gonmori K, et al. **Exp Lung Res** 1986;11(4):295–305

The bacterial flora of the intestine of Ascaris suum and 5-hydroxytryptamine production. Hsu SC, et al. **J Parasitol** 1986 Aug;72(4):545–9

Complex temporal changes in 5-hydroxytryptamine synthesis in the central nervous system induced by experimental polyarthritis in the rat. Godefroy F, et al. **Pain** 1987 Feb; 28(2):223–38

Tryptophan availability and serotonin synthesis. Leathwood PD. **Proc Nutr Soc** 1987 Feb;46(1):143–56 (52 ref.)

Induction of granulopoiesis of mastocytoma cells: ultrastructural and cytochemical studies on production of serotonin in a cultured mouse mastocytoma cell line. Inoue K, et al. **Virchows Arch [B]** 1987;53(3):153–60

BLOOD

Platelet serotonin levels in panic disorder. Balon R, et al. **Acta Psychiatr Scand** 1987 Mar;75(3):315–7

Serotonin (5-HT) uptake by blood platelets in anorexia nervosa. Zemishlany Z, et al. **Acta Psychiatr Scand** 1987 Feb;75(2):127–30

Role of neuropeptides and serotonin in the diagnosis of carcinoid tumors. Feldman JM, et al. **Am J Med** 1986 Dec 22;81(6B):41–8

Platelet serotonin concentration in schizophrenic patients. Kolakowska T, et al. **Am J Psychiatry** 1987 Feb; 144(2):232–4

Platelet markers of suicidality. Meltzer HY, et al. **Ann NY Acad Sci** 1986;487:271–80

Synergistic potentiation of 5-hydroxytryptamine secretion by platelet agonists and phorbol myristate acetate despite inhibition of agonist-induced arachidonate/thromboxane and beta-thromboglobulin release and Ca2+ mobilization by phorbol myristate acetate. Krishnamurthi S, et al. **Biochem J** 1986 Aug 15;238(1):193–9

Whole blood serotonin and plasma tryptophan using high-pressure liquid chromatography with electrochemical detection. Marshall EF, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):81–6

Purification and properties of a human plasma endogenous modulator for the platelet tricyclic binding/serotonin transport complex. Abraham KI, et al. **Biochim Biophys Acta** 1987 Jan 20;923(1):8–21

Effect of phorbol 12-myristate 13-acetate (PMA) on agonist-induced arachidonate release and 5-hydroxytryptamine secretion in human platelets. Dependence of effects on agonist type and time of incubation with PMA. Krishnamurthi S, et al. **Biochim Biophys Acta** 1987 Mar 11;927(3):429–36

Effects of novel aggregation inhibitors on serotonin uptake by human blood platelets. Lassio A, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):443–50

Urinary 5-hydroxyindoleacetic acid and whole blood serotonin and tryptophan in autistic and normal subjects. Minderaa RB, et al. **Biol Psychiatry** 1987 Aug;22(8):933–40

Changes in [3H]5-HT uptake and [3H]imipramine binding in platelets after chlorimipramine in healthy volunteers. Comparison with maprotiline and amineptine. Poirier MF, et al. **Biol Psychiatry** 1987 Mar;22(3):287–302

Alloantibody-induced platelet serotonin release is blocked by antibody to the platelet PLA1 antigen. Duncan JR, et al. **Br J Haematol** 1986 Oct;64(2):331–8

Sulphinpyrazone and the platelet serotoninergic mechanism in ischaemic heart disease. Puri VK, et al. **Br Med J [Clin Res]** 1986 Sep 6;293(6547):591–3

Uptake of serotonin into rat platelets and synaptosomes: comparative structure-activity relationships, energetics and evaluation of the effects of acute and chronic nortriptyline administration. Slotkin TA, et al. **Brain Res Bull** 1986 Jul; 17(1):67–73

The uptake, storage, and efflux of serotonin in platelets from migraine patients. Lingjaerde O, et al. **Cephalalgia** 1986 Sep;6(3):135–9

Determination of a reference range for whole blood serotonin in a pediatric population using high pressure liquid chromatography with electrochemical detection. Goldsmith BM, et al. **Clin Biochem** 1986 Dec;19(6):359–63

Free 5-hydroxytryptamine in plasma: fact or artifact? Artigas F, et al. **Clin Chem** 1986 Oct;32(10):1985–6

Development and validation of an improved radioimmunoassay for serotonin in platelet-rich plasma. Gow IF, et al. **Clin Chim Acta** 1987 Jan 30;162(2):175–88

Effects of guanine nucleotides on the properties of 5-hydroxytryptamine secretion from electropermeabilised human platelets. Knight DE, et al. **Eur J Biochem** 1986 Oct 1;160(1):183–90

5-Hydroxytryptamine (serotonin), copper and ceruloplasmin plasma concentrations in spontaneous abortion. Bassiouni BA, et al. **Eur J Obstet Gynecol Reprod Biol** 1979 Apr; 9(2):81–8

The platelet and migraine. Hanington E. **Headache** 1986 Sep; 26(8):411–5

Defect of serotonin binding to mononuclear cells from episodic cluster headache patients. Martelletti P, et al. **Headache** 1987 Jan;27(1):23–6

Increases in platelet 5HT uptake rates following treatment with "uptake inhibiting" drugs.Healy D, et al. **Int Clin Psychopharmacol** 1986 Oct;1(4):332–9

Monoamine transport in depression: kinetics and dynamics. Healy D, et al. **J Affective Disord** 1987 Mar-Apr; 12(2):91–103

Platelet serotonin uptake in panic disorder. Norman TR, et al. **J Affective Disord** 1986 Jul-Aug;11(1):69–72

Association of serotonin concentration to behavior and IQ in autistic children. Kuperman S, et al. **J Autism Dev Disord** 1987 Mar;17(1):133–40

Platelet-activating factor stimulation of rabbit platelets is blocked by serine protease inhibitor (chymotryptic protease inhibitor). Sugatani J, et al. **J Biol Chem** 1987 Apr 25; 262(12):5740–7

Platelet cytosolic free Ca2+ concentration and serotonin (5-HT) content in essential hypertension. Le Quan Sang KH, et al. **J Hypertens** 1987 Apr;5(2):237–40

Effect of food restriction on the circadian rhythms of circulating tryptophan and serotonin in rats. Chik CL, et al. **J Neural Transm** 1986;66(3–4):261–9

A follow–up study of platelet–rich plasma serotonin in clinical subtypes of cerebral infarction. Ishizaki F. **J Neural Transm** 1987;69(1–2):123–9

Ontogeny of circadian rhythmicity for melatonin, serotonin, and N–acetylserotonin in humans. Attanasio A, et al. **J Pineal Res** 1986;3(3):251–6

Variations in platelet 5–hydroxytryptamine in control and depressed populations. Healy D, et al. **J Psychiatr Res** 1986; 20(4):345–53

Determination of serotonin in whole blood, platelet–rich plasma, platelet–poor plasma and plasma ultrafiltrate. Anderson GM, et al. **Life Sci** 1987 Mar 16;40(11):1063–70

Vervet monkey (Cercopithecus aethiops sabaeus) whole blood serotonin level is determined by platelet uptake sites. Brammer GL, et al. **Life Sci** 1987 Sep 21;41(12):1539–46

Serotonin uptake in blood platelets of Duchenne muscular dystrophy patients. Arora RC, et al. **Muscle Nerve** 1987 May;10(4):359–62

Determination of serotonin content and ceruloplasmin activity, of blood and CSF amino acid level in multiple sclerosis. Luca N, et al. **Neurol Psychiatr (Bucur)** 1986 Jul–Sep;24(3):153–9

Plasma insulin, tryptophan and serotonin levels during the glucose tolerance test among habitually violent and impulsive offenders. Virkkunen M, et al. **Neuropsychobiology** 1987;17(1–2):19–23

Whole–blood serotonin in premenstrual syndrome. Rapkin AJ, et al. **Obstet Gynecol** 1987 Oct;70(4):533–7

Circulating 5–hydroxytryptamine concentrations in preterm newborns. Schumacher RE, et al. **Pediatr Pulmonol** 1987 Mar–Apr;3(2):117–22

Effects of eight–week treatment with histamine H2–antagonists or an antacid on plasma levels of histamine and serotonin in duodenal ulcer patients. Lai KH, et al. **Pharmacol Res Commun** 1986 Sep;18(9):807–12

Serotonin reuptake inhibition vs. norepinephrine reuptake inhibition: a double–blind differential–therapeutic study with fluvoxamine and oxaprotiline in endogenous and neurotic depressives. Emrich HM, et al. **Pharmacopsychiatry** 1987 Mar;20(2):60–3

Morphine antagonizes TRH induced intestinal transit and hyperserotonemia in rabbits. Mori T, et al. **Proc West Pharmacol Soc** 1987;30:409–10

A kinetic analysis and replication of decreased platelet serotonin uptake in depressed patients. Rausch JL, et al. **Psychiatry Res** 1986 Oct;19(2):105–12

Effect of verapamil on platelet serotonin concentration in normal and schizophrenic subjects [letter] Uhr SB, et al. **Psychiatry Res** 1986 Nov;19(3):243–4

Reduced 3H–imipramine binding but unaltered 3H–serotonin uptake in platelets of adolescent enuretics. Weizman R, et al. **Psychiatry Res** 1986 Sep;19(1):37–42

Serotonin uptake inhibition during treatment of depression with nortriptyline caused by parent drug and not by 10–hydroxymetabolites. Malmgren R, et al. **Psychopharmacology (Berlin)** 1987;92(2):169–72

Effects of chronic fenfluramine on blood serotonin, cerebrospinal fluid metabolites, and behavior in monkeys. Raleigh MJ, et al. **Psychopharmacology (Berlin)** 1986; 90(4):503–8

Liquid chromatographic determination of free serotonin in human plasma. Marasini B, et al. **Ric Clin Lab** 1987 Apr–Jun;17(2):149–54

Comparative study of size, total protein, fibrinogen and 5–HT content of human and canine platelet density subpopulations. Mezzano D, et al. **Thromb Haemost** 1986 Dec 15;56(3):288–92

Reduced serotonin content and uptake in platelets from patients with essential hypertension: is a ouabain–like factor involved? Guicheney P, et al. **Thromb Res** 1987 Feb 15; 45(4):289–97

Platelet uptake of serotonin (5–HT) during ethanol withdrawal in male alcoholics. Neiman J, et al. **Thromb Res** 1987 Jun 15;46(6):803–9

Inhibition of platelet aggregation and [14C] serotonin release by luciferin: luciferase preparations. Pfueller SL, et al. **Thromb Res** 1986 Nov 15;44(4):539–42

Serotonin uptake at 22 degrees C of stored platelets. Shimizu T. **Tohoku J Exp Med** 1986 Oct;150(2):127–33

5–Hydroxytryptamine and thromboxane in platelets from rats treated with monocrotaline pyrrole. Ganey PE, et al. **Toxicol Appl Pharmacol** 1987 Apr;88(2):157–64

[Determination of 5–HT in the blood in cor pulmonale] Li SF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):276–8, 318 (Eng. Abstr.) **(Chi)**

[Relations between the depressor effect induced by stimulation of peripheral ends of the abdominal vagi and serotonin] Zuo WM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):180–3 (Eng. Abstr.) **(Chi)**

[Alcohol dependence and serotonin: new data] Hillemand B, et al. **Bull Acad Natl Med (Paris)** 1986 Nov; 170(8):1045–50 (Eng. Abstr.) **(Fre)**

[Platelet serotonin concentrations in autistic children and members of their families] de Villard R, et al. **Encephale** 1986 Jul–Aug;12(4):139–42 (Eng. Abstr.) **(Fre)**

[Determination of platelet serotonin in obsessive–compulsive disorders (letter)] Cottraux J, et al. **Presse Med** 1987 Apr 4;16(12):590 **(Fre)**

[The effects of electrical vagus nerve stimulation on plasma levels of histamine and serotonin in intact and sensitized guinea pigs] Sakashita I, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):770–3 (Eng. Abstr.) **(Jpn)**

[Platelet ATP, ADP and serotonin] Mori K, et al. **Rinsho Byori** 1987 Jun;Spec No 71:165–82 (18 ref.) **(Jpn)**

[Functional indices of the sympathetic–adrenal and serotonin systems before and after a course of reflexotherapy] Markelova VF, et al. **Fiziol Cheloveka** 1987 Mar–Apr; 13(2):290–5 **(Rus)**

[Relation between hormones of the hypothalamo–hypophyseal–gonadal system and peripheral blood serotonin levels] Serova LI, et al. **Fiziol Zh SSSR** 1987 May;73(5):675–9 (Eng. Abstr.) **(Rus)**

[Vasoactive hormone metabolism in the lungs of patients with congenital heart defects] Gimmel'farb GN, et al. **Kardiologiia** 1987 Jun;27(6):61–5 (Eng. Abstr.) **(Rus)**

[Nutritional corrections of histamine and serotonin levels in exposure to hypokinesia and neuro–emotional stress] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1986 Sep–Oct;20(5):31–4 (Eng. Abstr.) **(Rus)**

[Features of indoleamine metabolism in adolescent girls with delayed sexual development] Plekhova EI. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):40–3 (Eng. Abstr.) **(Rus)**

[Serotonin, histamine and catecholamine levels in patients with the hyperprolactinemia syndrome] Veinberg EG, et al. **Probl Endokrinol (Mosk)** 1986 Jul–Aug;32(4):40–3 (Eng. Abstr.) **(Rus)**

[Metabolism of biologically active substances in diphtheria] Borisova MA, et al. **Sov Med** 1986;(10):100–2 **(Rus)**

[The role of serotonin in viral hepatitis A in children] Gul'man LA, et al. **Tr Inst Pastera** 1985;63:100–3 **(Rus)**

[The role of disorders of biogenic amine metabolism in vascular pathology of the optic nerve and ways of correcting it] Antonova AI, et al. **Vrach Delo** 1987 Jan; (1):85–7 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Indices of serotonin and glucose metabolism in violent offenders, arsonists, and alcoholics. Roy A, et al. **Ann NY Acad Sci** 1986;487:202–20

5–HT and 5–HIAA in cerebrospinal fluid in depression. Gjerris A, et al. **J Affective Disord** 1987 Jan–Feb; 12(1):13–22

Serotonin in cisternal cerebrospinal fluid of the rat: measurement and use as an index of functionally active serotonin. Anderson GM, et al. **Life Sci** 1987 Jun 8; 40(23):2253–60

DEFICIENCY

[Effect of long–term lithium treatment on serotonin syndrome in rats] Yamawaki S, et al. **Yakubutsu Seishin Kodo** 1986 Jun;6(2):247–52 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Visualization of the popliteal lymph node by angiography [letter] Grassi CJ, et al. **Invest Radiol** 1987 Jan;22(1):92

[Effect of emotional stress on the electrical activity of the jejunum in the dog] Pastukhov VA. **Fiziol Zh SSSR** 1986 Dec;72(12):1686–9 **(Rus)**

[Use of the labeled–serotonin release test using rat mast cells for the purpose of diagnosing allergies] Blokha VV, et al. **Lab Delo** 1986;(10):625–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Anti–5–hydroxytryptamine antibodies: studies on their cross–reactivity in vitro and their immunohistochemical specificity. Bras H, et al. **Exp Brain Res** 1986;63(3):627–38

Immunoreactivity in Limulus. II. Studies of serotoninlike immunoreactivity, endogenous serotonin, and serotonin synthesis in the brain and lateral eye. Chamberlain SC, et al. **J Comp Neurol** 1986 Sep 15;251(3):363–75

[Stimulation of the immune response during blockade of serotonin receptors by cyproheptadine] Idova GV, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):440–2 (Eng. Abstr.) **(Rus)**

[Suppression of alcohol consumption by the induction of the synthesis of serotonin antibodies] Davydova TV, et al. **Farmakol Toksikol** 1987 Mar–Apr;50(2):57–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Immunocytochemistry on the localization of 5–hydroxytryptamine in monkey and rabbit taste buds. Fujimoto S, et al. **Acta Anat (Basel)** 1987;128(1):80–3

The effect of bacterial endotoxin of phagocytosis of Tetrahymena and serotonin induced imprinting. Kovács G, et al. **Acta Microbiol Hung** 1986;33(4):301–4

The effect of "facteur thymique serique" (FTS) on catecholamine and serotonin neurotransmission in discrete brain regions of mice. Vécsei L, et al. **Acta Physiol Hung** 1987;69(1):129–32

Immunohistochemical and pharmacological studies on serotonergic nerves and receptors in brain vessels. Chang JY, et al. **Acta Physiol Scand [Suppl]** 1986;552:49–53

Reduction in striatal 5–hydroxytryptamine turnover following chronic administration of ethanol to rats. Morinan A. **Alcohol Alcohol** 1987;22(1):53–60

Aspartame effects on brain serotonin [letter] Wurtman RJ. **Am J Clin Nutr** 1987 Apr;45(4):799–803

Acute effects of dietary protein on food intake, tissue amino acids, and brain serotonin. Peters JC, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R902–14

Depressed prostaglandin E1 and 5–hydroxytryptamine removal in patients with adult respiratory distress syndrome. Gillis CN, et al. **Am Rev Respir Dis** 1986 Oct; 134(4):739–44

Light and electron microscopic immunohistochemical studies of serotonin nerve fibers in the substantia nigra of the rat, cat and monkey. Mori S, et al. **Anat Embryol (Berl)** 1987; 176(1):13–8

Kinetics of serotonin uptake in the intact lung. Dawson CA, et al. **Ann Biomed Eng** 1987;15(2):217–27

Suppression of immune response in rats by stress and drugs interfering with metabolism of serotonin. Boranić M, et al. **Ann NY Acad Sci** 1987;496:485–91

Monitoring 5HT metabolism in the brain of the freely moving rat. Hutson PH, et al. **Ann NY Acad Sci** 1986;473:321–36

Electrochemical detection in vivo: indoleamines or uric acid? Knott PJ, et al. **Ann NY Acad Sci** 1986;473:215–23

Muramyl peptides, serotonergic system, and sleep. Mašek K, et al. **Ann NY Acad Sci** 1987;496:517–21

Drug–induced changes in the efflux of dopamine and serotonin metabolites from the brains of freely moving rats. Moore KE. **Ann NY Acad Sci** 1986;473:303–20

Release and metabolism of dopamine and serotonin in the caudate nucleus during euthermia and hibernation. Salzman SK, et al. **Ann NY Acad Sci** 1986;473:267–83

Interactions between grafted serotonin neurons and adult host rat hippocampus. Segal M. **Ann NY Acad Sci** 1987; 495:284–95

Serotonin and serotonergic receptors in suicide. Stanley M, et al. **Ann NY Acad Sci** 1986;487:122–7

Serotonergic function and suicidal behavior in personality disorders. Träskman–Bendz L, et al. **Ann NY Acad Sci** 1986; 487:168–74

The serotonin hypothesis of (auto)aggression. Critical appraisal of the evidence. Van Praag HM, et al. **Ann NY Acad Sci** 1986;487:150–67

Stimulation of serotonergic neuronal maturation after fetal mesencephalic raphe transplantation into the 5,7–DHT–lesioned hippocampus of the adult rat. Zhou FC, et al. **Ann NY Acad Sci** 1987;495:138–52

A skeptical view of the role of central serotonin in the selection and intake of protein. Peters JC, et al. **Appetite** 1987 Jun;8(3):206–10

Platelet tritiated imipramine binding and serotonin uptake in depressed patients and controls. Relationship to plasma cortisol levels before and after dexamethasone administration. Roy A, et al. **Arch Gen Psychiatry** 1987 Apr;44(4):320–7

Beta 2–glycoprotein–I (apo–H) inhibits the release reaction of human platelets during ADP–induced aggregation. Nimpf J, et al. **Atherosclerosis** 1987 Feb;63(2–3):109–14

Human alcohol dehydrogenases and serotonin metabolism. Consalvi V, et al. **Biochem Biophys Res Commun** 1986 Sep 30;139(3):1009–16

Effects of opioid agonist drugs on the in vitro release of 3H–GABA, 3H–dopamine and 3H–5HT from slices of rat globus pallidus. Dewar D, et al. **Biochem Pharmacol** 1987 May 15;36(10):1738–41

Modulation of neuronal MAO activity, 5–HT uptake and imipramine binding by endogenous substances in dog cerebrospinal fluid. Egashira T, et al. **Biochem Pharmacol** 1987 Jun 1;36(11):1781–5

Cerebral serotonin regulation by phenylalanine analogues and during hyperphenylalaninemia. Greengard O, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):965–70

Pitfalls in demonstrating an endogenous ligand of imipramine recognition sites. Lee CR, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):945–9

In vitro and in vivo neurochemical effects of methylenedioxymethamphetamine on striatal monoaminergic systems in the rat brain. Schmidt CJ, et al. **Biochem Pharmacol** 1987 Mar 1;36(5):747–55

Stereochemical effects of 3,4–methylenedioxymethamphetamine (MDMA) and related amphetamine derivatives on inhibition of uptake of [3H]monoamines into synaptosomes from different regions of rat brain. Steele TD, et al. **Biochem Pharmacol** 1987 Jul 15;36(14):2297–303

Acute exposure of rats to air ions: effects on the regional concentration and utilization of serotonin in brain. Bailey WH, et al. **Bioelectromagnetics** 1987;8(2):173–81

Hormonal probes of central serotonergic activity: do they really exist? van Praag HM, et al. **Biol Psychiatry** 1987 Jan;22(1):86–98 (59 ref.)

Therapeutic indications for serotonin–potentiating compounds: a hypothesis. van Praag HM, et al. **Biol Psychiatry** 1987 Feb;22(2):205–12

Plasma level of dipropylacetamide and dipropylacetic acid and effect of these drugs on 5–hydroxytryptamine metabolism in mouse brain. Whitton PS, et al. **Biomed Pharmacother** 1986;40(5):191–3

Pentylenetetrazol: effect on carbaryl–induced changes of serotonin metabolism in pons–medulla of rat brain. Ray SK, et al. **Biosci Rep** 1986 Aug;6(8):767–74

Reduction of nerves containing vasoactive intestinal polypeptide and serotonin, but not neuropeptide Y and catecholamine, in cerebral blood vessels of the 8-week streptozotocin-induced diabetic rat. Lagnado ML, et al. **Blood Vessels** 1987;24(4):169–80

Suppression and potentiation of 5-hydroxytryptophan-induced hypoglycaemia by alpha-monofluoromethyldopa: correlation with the accumulation of 5-hydroxytryptamine in the liver. Endo Y. **Br J Pharmacol** 1987 Jan;90(1):161–5

GABAB-receptor mediated inhibition of potassium-evoked release of endogenous 5-hydroxytryptamine from mouse frontal cortex. Gray JA, et al. **Br J Pharmacol** 1987 Jul; 91(3):517–22

Influence of 5-hydroxytryptamine uptake on the apparent 5-hydroxytryptamine antagonist potency of metoclopramide in the rat isolated superior cervical ganglion. Ireland SJ, et al. **Br J Pharmacol** 1987 Jan; 90(1):151–60

Involvement of 5-HT1A- and alpha 2-receptors in the decreased 5-hydroxytryptamine release and metabolism in rat suprachiasmatic nucleus after intravenous 8-hydroxy-2-(n-dipropylamino) tetralin. Marsden CA, et al. **Br J Pharmacol** 1986 Oct;89(2):277–86

Circadian covariation of norepinephrine and serotonin in the locus coeruleus and dorsal raphe nucleus in the rat. Agren H, et al. **Brain Res** 1986 Nov 12;397(2):353–8

Cell bodies of origin of serotonin-immunoreactive afferents to the inferior olivary complex of the rat. Bishop GA, et al. **Brain Res** 1986 Dec 10;399(2):369–73

Development of serotonin immunoreactivity in the rat spinal cord and its plasticity after neonatal spinal cord lesions. Bregman BS. **Brain Res** 1987 Aug;431(2):245–63

Differential effects of chronic partial myelotomies on monoamine levels in cat spinal cord. Casey KL, et al. **Brain Res** 1987 Apr 7;408(1-2):377–80

Neurotransmitter alterations associated with feeding and satiety. Chance WT, et al. **Brain Res** 1987 Jul 28; 416(2):228–34

Does morphine enhance the release of 5-hydroxytryptamine in the rat spinal cord? An in vivo differential pulse voltammetry study. Chiang CY, et al. **Brain Res** 1987 May 19;411(2):259–66

Functional meaning of tryptophan-induced increase of 5-HT metabolism as clarified by in vivo voltammetry. De Simoni MG, et al. **Brain Res** 1987 May 12;411(1):89–94

Modulation of striatal dopamine metabolism by the activity of dorsal raphe serotonergic afferences. De Simoni MG, et al. **Brain Res** 1987 May 12;411(1):81–8

Reversible serotoninergic neurotoxicity of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in mouse striatum studied by neurochemical and immunohistochemical approaches. Hara K, et al. **Brain Res** 1987 May 5;410(2):371–4

A thyrotropin-releasing hormone-containing system in the rat dorsal horn separate from serotonin. Harkness DH, et al. **Brain Res** 1986 Oct 8;384(2):323–33

Bi-directional, chemically specified neural connections between the subfornical organ and the midbrain raphe system. Lind RW. **Brain Res** 1986 Oct 8;384(2):250–61

Lesioning and recovery of the serotoninergic projections to the hippocampus. Lombardi G, et al. **Brain Res** 1987 May 19;411(2):275–81

A comparison of the effects of carbon monoxide intoxication and low-oxygen gas mixtures on cerebral biogenic amine metabolism. MacMillan V. **Brain Res** 1987 Apr 7; 408(1-2):40–6

Effect of serotonergic, corticostriatal and kainic acid lesions on the dopaminergic neurotoxicity of 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP) in mice. Melamed E, et al. **Brain Res** 1986 Dec 3; 399(1):178–80

Changes in serotonin concentration in a living neurone: a study by on-line intracellular voltammetry. Meulemans A, et al. **Brain Res** 1987 Jun 23;414(1):158–62

Catecholamine and serotonin colocalization in projection neurons of the area postrema. Miceli MO, et al. **Brain Res** 1987 Jun 2;412(2):381–5

Immunohistochemical evidence for colocalization of gamma-aminobutyric acid and serotonin in neurons of the ventral medulla oblongata projecting to the spinal cord. Millhorn DE, et al. **Brain Res** 1987 Apr 28;410(1):179–85

Neurochemical identification of afferents onto spinomedullary neurons in the rat spinal cord central gray matter. Nahin RL, et al. **Brain Res** 1987 Jan 20; 401(2):292–302

Direct histochemical localisation of 5,7-dihydroxytryptamine and the uptake of serotonin by a subpopulation of GABA neurones in the rabbit retina. Osborne NN, et al. **Brain Res** 1986 Sep 10;382(1):158–62

Upregulation of imipramine binding and serotonin uptake by estradiol in female rat brain. Rehavi M, et al. **Brain Res** 1987 Apr 28;410(1):135–9

Serotonin-like immunoreactivity of giant olfactory interneurons in the crayfish brain. Sandeman RE, et al. **Brain Res** 1987 Feb 17;403(2):371–4

High-affinity serotonin binding sites: autoradiographic evidence for their location on retinal afferents in the rat superior colliculus. Segu L, et al. **Brain Res** 1986 Oct 8; 384(2):205–17

Multiple high-affinity [3H]serotonin binding sites in human frontal cortex. Todd RD, et al. **Brain Res** 1987 Jan 6; 400(2):247–58

Localization of serotonin-immunoreactivity in the central nervous system of Octopus vulgaris by immunohistochemistry. Uemura T, et al. **Brain Res** 1987 Mar 17;406(1-2):73–86

Development of the hypothalamic serotoninergic system during ontogenesis in rats. Immunocytochemical and radioautographic study. Ugrumov MV, et al. **Brain Res** 1986 Nov;395(1):75–84

Variations in binding of [3H]5-HT to cortical membranes during the female rat estrous cycle. Uphouse L, et al. **Brain Res** 1986 Sep 3;381(2):376–81

Suppression of serotonin-dependent cerebral activation: a possible mechanism of action of some psychotomimetic drugs. Vanderwolf CH. **Brain Res** 1987 Jun 23; 414(1):109–18

Serotonin metabolism and the nature of monoamine oxidase in squid central nervous system. Youdim MB, et al. **Brain Res** 1986 Sep 3;381(2):300–4

Evidence for a differential innervation of the spinal motor columns by substance P and serotonin in the fetal monkey. Bowker RM. **Brain Res Bull** 1986 Dec;17(6):819–22

Gabaergic interneurons in the dorsal raphe mediate the effects of apomorphine on serotonergic system. Lee EH, et al. **Brain Res Bull** 1987 Mar;18(3):345–53

Tubular adenoma of the human stomach. An immunohistochemical analysis of gut hormones, serotonin, carcinoembryonic antigen, secretory component, and lysozyme. Ito H, et al. **Cancer** 1986 Nov 15;58(10):2264–72

Convergence of electrotonic club endings, GABA- and serotoninergic terminals on second order neurons of the electrosensory pathway in mormyrid fish, Gnathonemus petersii and Brienomyrus niger (Teleostei). Denizot JP, et al. **Cell Tissue Res** 1987 Aug;249(2):301–9

Serotonin-storing cells of the chicken duodenum: light, fluorescence and electron microscopy, and immunohistochemistry. Watanabe T, et al. **Cell Tissue Res** 1987 Jan;247(1):25–32

Effect of theanine on norepinephrine and serotonin levels in rat brain. Kimura R, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):3053–7

Antidepressant-binding sites in brain and platelets. Langer SZ, et al. **Ciba Found Symp** 1986;123:3–29

Glycolytic activity and enhancement of serotonin uptake by endothelial cells exposed to hypoxia/anoxia. Lee SL, et al. **Circ Res** 1987 May;60(5):653–8

Presynaptic 5-HT autoreceptors and the modulation of the release of 5-HT. Göthert M. **Clin Neuropharmacol** 1986; 9 Suppl 4:308–10

5-HT reuptake inhibitors in healthy human subjects. Netter P. **Clin Neuropharmacol** 1986;9 Suppl 4:162–4

Effect of cage density and rank in peck order on brain regional monoamines in adult male Coturnix coturnix japonica. Holladay SD, et al. **Comp Biochem Physiol [A]** 1987;87(2):261–5

The maturation of 5-hydroxytryptamine and 5-hydroxyindole acetic acid in the gerbil (Meriones unguiculatus) brain. Baker PC, et al. **Comp Biochem Physiol [C]** 1986;85(2):345–6

Injections of alpha-melanocyte stimulating hormone affect pineal serotonin, melatonin and N-acetyltransferase activity. Oaknin S, et al. **Comp Biochem Physiol [C]** 1987; 86(1):23–6

Intraluminal release of serotonin, substance P, and gastrin in the canine small intestine. Ferrara A, et al. **Dig Dis Sci** 1987 Mar;32(3):289–94

Regulatory mechanisms in endoluminal release of serotonin and substance P from feline jejunum. Gronstad K, et al. **Dig Dis Sci** 1987 Apr;32(4):393–400

Newly synthesized noradrenaline mediates the alpha 2-adrenoceptor inhibition of [3H]5-hydroxytryptamine release induced by beta-phenylethylamine in rat hippocampal slices. Benkirane S, et al. **Eur J Pharmacol** 1986 Nov 19;131(2-3):189–98

Cyproheptadine antagonism of p-chloroamphetamine hypothermia in mice. Burke DH, et al. **Eur J Pharmacol** 1986 Sep 23;129(1-2):195–8

Effects of the enantiomers of MDA, MDMA and related analogues on [3H]serotonin and [3H]dopamine release from superfused rat brain slices. Johnson MP, et al. **Eur J Pharmacol** 1986 Dec 16;132(2-3):269–76

3,4-Methylenedioxyethylamphetamine (MDE), a novel analogue of MDMA, produces long-lasting depletion of serotonin in the rat brain. Ricaurte GA, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):265–8

5HT2 binding sites after mianserin: comparison of loss of sites and brain levels of drug. Sanders-Bush E, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):199–204

Acute administration of methylenedioxymethamphetamine: comparison with the neurochemical effects of its N-desmethyl and N-ethyl analogs. Schmidt CJ. **Eur J Pharmacol** 1987 Apr 7;136(1):81–8

Ifoxetine, a compound with atypical effects on serotonin uptake. Waldmeier PC, et al. **Eur J Pharmacol** 1986 Oct 14;130(1-2):1–10

Autoradiographic localization of binding sites for 3H-serotonin and 3H-ketanserin on neurones and astrocytes of cultured rat brain stem and spinal cord. Hösli E, et al. **Exp Brain Res** 1987;65(2):486–90

Immobilized serotonin: a novel substrate for cell culture. Hannan GN, et al. **Exp Cell Res** 1987 Jul;171(1):153–63

Noradrenergic, serotonergic, and cholinergic sprouting in the hippocampus that follows partial or complete transection of the septohippocampal pathway: contributions of spared inputs. Gasser UE, et al. **Exp Neurol** 1987 May;96(2):352–64

Tetanus intoxication causes an increment of serotonin in the central nervous system. Aguilera J, et al. **Experientia** 1987 Apr 15;43(4):410–2

Extraneuronal serotonin accumulation in peripheral arteries of the rat. Fukuda S, et al. **Experientia** 1986 Dec 1; 42(11-12):1244–5

Serotonin metabolism in the CNS in cerebellar ataxic mice. Ohsugi K, et al. **Experientia** 1986 Dec 1;42(11-12):1245–7

Effects of repeated doses of aspartame on serotonin and its metabolite in various regions of the mouse brain. Sharma RP, et al. **Food Chem Toxicol** 1987 Aug;25(8):565–8

Circadian rhythms in serotonin, norepinephrine, and epinephrine contents of the pineal-paraphyseal complex of the soft-shelled turtle (Lissemys punctata punctata). Mahapatra MS, et al. **Gen Comp Endocrinol** 1986 Nov; 64(2):246–9

Biochemical and functional effects of fenfluramine in maturing mice. Goodrich CA, et al. **Gen Pharmacol** 1986; 17(4):457–60

Immunohistochemical evidence of serotoninergic regulation of vasoactive intestinal polypeptide (VIP) in the rat suprachiasmatic nucleus. Hisano S, et al. **Histochemistry** 1987;86(6):573–8

Synaptic interaction of serotonergic axons and corticotropin releasing factor (CRF) synthesizing neurons in the hypothalamic paraventricular nucleus of the rat. A light and electron microscopic immunocytochemical study. Liposits Z, et al. **Histochemistry** 1987;86(6):541–9

Effect of streptozotocin administration upon the serotonin content of the pancreas and small intestine of the rat. Richter G, et al. **Horm Metab Res** 1986 Oct;18(10):663–5

Enhanced 5-hydroxytryptamine release from vascular adrenergic nerves in spontaneously hypertensive rats. Kawasaki H, et al. **Hypertension** 1987 Sep;10(3):321–7

Response and action of 5-hydroxytryptamine in experimental head injury. Singh S, et al. **Indian J Exp Biol** 1986 Aug; 24(8):505–7

A pilot study of combined trazodone and tryptophan in obsessive-compulsive disorder. Mattes JA. **Int Clin Psychopharmacol** 1986 Apr;1(2):170–3

Prenatal and early postnatal exposure to zimelidine: behavioral, neurochemical and histological findings in rats. Grimm VE, et al. **Int J Neurosci** 1987 Apr;33(3-4):225–35

Catecholamine and serotonin content of foods: effect on urinary excretion of homovanillic and 5-hydroxyindoleacetic acid. Feldman JM, et al. **J Am Diet Assoc** 1987 Aug;87(8):1031–5

Separate areas of rat medulla oblongata with populations of serotonin- and adrenaline-containing neurons alter blood pressure after L-glutamate stimulation. Minson JB, et al. **J Auton Nerv Syst** 1987 Apr;19(1):39–50

Generation of nitro radical anions of some 5-nitrofurans, 2- and 5-nitroimidazoles by norepinephrine, dopamine, and serotonin. A possible mechanism for neurotoxicity caused by nitroheterocyclic drugs. Rao DN, et al. **J Biol Chem** 1987 Aug 25;262(24):11731–6

Verapamil inhibits serotonin uptake of endothelial cells in culture by a mechanism unrelated to Ca2+ channel blockade. Lee SL, et al. **J Cell Physiol** 1987 Jul; 132(1):178–82

Pharmacologic properties of serotonergic agents and antidepressant drugs. Fuller RW. **J Clin Psychiatry** 1987 Mar;48 Suppl:5–11

Receptor alterations associated with serotonergic agents: an autoradiographic analysis. Wamsley JK, et al. **J Clin Psychiatry** 1987 Mar;48 Suppl:19–25

Distribution of choline acetyltransferase-, serotonin-, dopamine-beta-hydroxylase-, tyrosine hydroxylase-immunoreactive fibers in monkey primary auditory cortex. Campbell MJ, et al. **J Comp Neurol** 1987 Jul 8;261(2):209–20

Serotonin-containing structures in the nucleus raphe dorsalis of the cat: an ultrastructural analysis of dendrites, presynaptic dendrites, and axon terminals. Chazal G, et al. **J Comp Neurol** 1987 May 15;259(3):317–29

Neurosecretory neurons and their projections to the serotonin neurohemal system of the cockroach Periplaneta americana (L.), and identification of mandibular and maxillary motor neurons associated with this system. Davis NT. **J Comp Neurol** 1987 May 22;259(4):604–21

The serotoninergic fibers in the dorsal lateral geniculate nucleus of the cat: distribution and synaptic connections demonstrated with immunocytochemistry. De Lima AD, et al. **J Comp Neurol** 1987 Apr 15;258(3):339–51

Serotonin and dopamine in the retina of a lizard. Engbretson GA, et al. **J Comp Neurol** 1987 Mar 1;257(1):140–7

Noradrenergic innervation of serotoninergic neurons in the myenteric plexus. Gershon MD, et al. **J Comp Neurol** 1987 May 8;259(2):193–210

Serotonin storage and uptake by identified neurons in the leech Haementeria ghilianii. Glover JC. **J Comp Neurol** 1987 Feb 1;256(1):117–27

Transmitter localization and vesicle turnover at a serotoninergic synapse between identified leech neurons in culture. Kuffler DP, et al. **J Comp Neurol** 1987 Feb 22;256(4):516–26

Postembryonic differentiation of serotonin-immunoreactive neurons in fleshfly optic lobes developing in situ or cultured in vivo without eye discs. Nässel DR, et al.

J Comp Neurol 1987 Jan 15;255(3):327–40
Mapping study of serotoninergic input to diencephalic-projecting dorsal column neurons in the rat. Willcockson HH, et al. J Comp Neurol 1987 Jul 22; 261(4):467–80
Serotonin and norepinephrine content in brain structures of rats with experimental and transplantation-compensated diabetes. Kulikov AV, et al. J Hirnforsch 1986;27(5):495–9
N-methyl derivatives of the 5-HT2 agonist 1-(4-bromo-2,5-dimethoxyphenyl)-2-aminopropane. Glennon RA, et al. J Med Chem 1987 May;30(5):930–2
Central serotonin receptors as targets for drug research. Glennon RA. J Med Chem 1987 Jan;30(1):1–12 (178 ref.)
Synthesis and antidepressant properties of novel 2-substituted 4,5-dihydro-1H-imidazole derivatives. Wentland MP, et al. J Med Chem 1987 Aug;30(8):1482–9
Resolved cis-10-hydroxy-4-n-propyl-1,2,3,4,4a,5,6,10b-octahydrobenzo[f]quinoline : central serotonin stimulating properties. Wikström H, et al. J Med Chem 1987 Sep; 30(9):1567–73
The fall of homovanillic acid and 5-hydroxyindoleacetic acid concentrations in brains of mice withdrawn from repeated morphine treatment and their restoration by acute morphine administration. Ahtee L, et al. J Neural Transm 1987;68(1-2):63–78
5-Hydroxytryptophol and 5-hydroxyindoleacetic acid levels in rat brain: effects of various drugs affecting serotonergic transmitter mechanisms. Beck O, et al. J Neural Transm 1987;69(3-4):287–98
Chronic beta-adrenergic stimulation increases in mice the sensitivity to methysergide and the number of cerebral high affinity serotonin binding sites (5-HT-1). Frances H, et al. J Neural Transm 1986;67(3-4):215–24
Conformationally rigid dopamine analogues as inhibitors of dopamine and 5-hydroxytryptamine uptake by synaptosomes. Tuomisto J, et al. J Neural Transm 1987; 68(3-4):191–6
The serotoninergic system in Cryptomphalus aspersa. Immunocytochemical study with an anti-5-HT antiserum. Flores V, et al. J Neurobiol 1986 Sep;17(5):547–61
The origin of 5-HT fibers of the tentacular sensory organs of Cryptomphalus aspersa. An immunocytochemical study following transection of the cerebro-tentacular connective. Flores V, et al. J Neurobiol 1986 Sep;17(5):563–8
Solubilization of serotonin1a and serotonin1b binding sites from bovine brain. Asarch KB, et al. J Neurochem 1987 May;48(5):1494–501
Regional differences in 5-hydroxytryptamine and catecholamine uptake in primary astrocyte cultures. Kimelberg HK, et al. J Neurochem 1986 Nov;47(5):1647–52
Determination of serotonin turnover in the rat brain using 6-fluorotryptophan. Miwa S, et al. J Neurochem 1987 May; 48(5):1577–80
Presynaptic serotonergic dysfunction in patients with Alzheimer's disease. Palmer AM, et al. J Neurochem 1987 Jan;48(1):8–15
Dopamine and serotonin metabolism in brain sites ipsi- and contralateral to direction of conditioned turning in rats. Schwarting R, et al. J Neurochem 1987 May;48(5):1473–9
Synthesis and high affinity uptake of serotonin and dopamine by human Y79 retinoblastoma cells. Yorek MA, et al. J Neurochem 1987 Oct;49(4):1316–23
Innervation and reinnervation of rat inferior olive by neurons containing serotonin and substance P: an immunohistochemical study after 5,6-dihydroxytryptamine lesioning. Paré M, et al. J Neurocytol 1987 Apr; 16(2):155–67
Depression and Parkinson's disease: possible role of serotonergic mechanisms. Kostić VS, et al. J Neurol 1987 Feb;234(2):94–6
Characterization of a novel 3H-5-hydroxytryptamine binding site subtype in bovine brain membranes. Heuring RE, et al. J Neurosci 1987 Mar;7(3):894–903
Cell death during gangliogenesis in the leech: competition leading to the death of PMS neurons has both random and nonrandom components. Macagno ER, et al. J Neurosci 1987 Jun;7(6):1911–8
Coexistence of galanin-like immunoreactivity with catecholamines, 5-hydroxytryptamine, GABA and neuropeptides in the rat CNS. Melander T, et al. J Neurosci 1986 Dec;6(12):3640–54
An indoleamine system in photoreceptor cell terminals of the Long-Evans rat retina. Redburn DA, et al. J Neurosci 1987 Feb;7(2):319–29
Evidence for serotonin synthesis, uptake, and release in dissociated rat sympathetic neurons in culture. Sah DW, et al. J Neurosci 1987 Feb;7(2):391–9
Morphological and immunocytochemical identification of indoleamine-accumulating neurons in the cat retina. Wässle H, et al. J Neurosci 1987 May;7(5):1574–85
Serotonin turnover rate in raphe and cortex of mice infected with Venezuelan equine encephalomyelitis virus. Lima L, et al. J Neurosci Res 1987;17(4):428–34
Role of serotonin in opiate-induced prolactin secretion and antinociception in the developing rat. Bero LA, et al. J Pharmacol Exp Ther 1987 Mar;240(3):831–6
Changes of cholinergic, noradrenergic and serotonergic synaptic transmission indices elicited by ethylcholine aziridinium ion (AF64A) infused intraventricularly. Eva C, et al. J Pharmacol Exp Ther 1987 Apr;241(1):181–6
Mechanisms of extraneuronal serotonin uptake in the rat aorta. Fukuda S, et al. J Pharmacol Exp Ther 1986 Oct; 239(1):264–9
Ascorbic acid prevents nonreceptor "specific" binding of [3H]-5-hydroxytryptamine to bovine cerebral cortex membranes. Hamblin MW, et al. J Pharmacol Exp Ther 1987 Mar;240(3):701–11
Effects of L-threo-3,4-dihydroxyphenylserine on efflux of monoamines and acetylcholine in guinea pig brain. Nishino N, et al. J Pharmacol Exp Ther 1987 Aug;242(2):621–8
Pulmonary extraction of [3H]bupivacaine: modification by dose, propranolol and interaction with [14C]5-hydroxytryptamine. Rothstein P, et al. J Pharmacol Exp Ther 1987 Feb;240(2):410–4
Fengabine, a novel antidepressant GABAergic agent. II. Effect on cerebral noradrenergic, serotonergic and GABAergic transmission in the rat. Scatton B, et al. J Pharmacol Exp Ther 1987 Apr;241(1):251–7
Biochemical changes in tissue catecholamines and serotonin in duodenal ulceration caused by cysteamine or propionitrile in the rat. Szabo S, et al. J Pharmacol Exp Ther 1987 Mar;240(3):871–8
Labeling in vivo of serotonin uptake sites in rat brain after administration of [3H]cyanoimipramine. Wolfe J, et al. J Pharmacol Exp Ther 1987 Apr;241(1):196–203
A simple organ bath for electrical stimulation and superfusion of rat brain slices. Hoffman AJ, et al. J Pharmacol Methods 1986 Nov;16(3):185–99
Serotoninergic and non-serotoninergic responses of phrenic motoneurones to raphe stimulation in the cat. Lalley PM. J Physiol (Lond) 1986 Nov;380:373–85
Interacting neurotransmitter systems. A non-experimental approach to the 5HIAA-HVA correlation in human CSF. Agren H, et al. J Psychiatr Res 1986;20(3):175–93
Photoaffinity labelling and solubilization on the central 5-HT1A receptor binding site. Gozlan H, et al. J Recept Res 1987;7(1-4):195–221
Serotonin release is mediated by muscarinic receptors on duodenal mucosal cells. Kuemmerle JF, et al. J Surg Res 1987 Aug;43(2):139–42
The role of alpha and beta receptors and their regulation of 5-HT metabolism of the rat brain in electroacupuncture analgesia. Wang YJ, et al. J Tradit Chin Med 1987 Mar; 7(1):57–62
Amino acids and indoleamines in the brain after infusion of branched-chain amino acids to rats with liver ischemia. Bugge M, et al. JPEN J Parenter Enteral Nutr 1986 Sep-Oct;10(5):474–8
Suppression of pentylenetetrazol-induced seizures by hydralazine associated with 5-hydroxytryptaminergic system in rat brain. Hara S, et al. Jpn J Pharmacol 1987 Apr;43(4):361–8
Effects of 2-substituted-4-phenylquinolines on uptake of serotonin and norepinephrine by isolated brain synaptosomes. Alhaider AA, et al. Life Sci 1987 Mar 2; 40(9):909–13
Spontaneous activity and brain 5-hydroxyindole levels measured in rats tested in two designs of elevated X-maze. Copland AM, et al. Life Sci 1987 Jul 6;41(1):57–64
p-Chloroamphetamine formation responsible for long-term depletion of brain serotonin after N-cyclopropyl-p-chloroamphetamine injection in rats. Fuller RW, et al. Life Sci 1987 May 11;40(19):1921–7
Additive effects of apomorphine and clonidine on serotonin neurons in the dorsal raphe. Lee EH. Life Sci 1987 Feb 16;40(7):635–42
In vivo electrochemistry--principles and applications. Martin KF, et al. Life Sci 1987 Aug 17;41(7):865–8
Brain serotonin levels and metabolism in the non-hibernating bulbectomized European hamster. Miro JL, et al. Life Sci 1986 Dec 29;39(26):2551–5
Characterization of a serotonin transporter and an adenylate cyclase-linked serotonin receptor in the cestode Hymenolepis diminuta. Ribeiro P, et al. Life Sci 1987 Feb 23;40(8):755–68
Determination of monoamines by use of liquid chromatography with electrochemical detection in the study of selective monoamine neurotoxins. Sundström E, et al. Life Sci 1987 Aug 17;41(7):857–60
Fluoxetine-induced attenuation of amphetamine self-administration in rats. Yu DS, et al. Life Sci 1986 Oct 13;39(15):1383–8
Age-related changes of serotonin and its metabolites content in the visual system of the rat. Santiago M, et al. Mech Ageing Dev 1987 Apr;38(2):157–65
Serotonergic mechanisms of lithium action. Goodnick PJ. Mt Sinai J Med (NY) 1987 Feb;54(2):182–7
Phenylethylamine-induced release of noradrenaline fails to stimulate alpha 1-adrenoceptors modulating [3H]-acetylcholine release in rat atria, but activates alpha 2-adrenoceptors modulating [3H]-serotonin release in the hippocampus. Benkirane S, et al. Naunyn Schmiedebergs Arch Pharmacol 1986 Oct; 334(2):149–55
Interaction between 5-HT uptake inhibition and activation of 5-HT autoreceptors by exogenous agonists in rat cerebral cortex slices and synaptosomes. Bonanno G, et al. Naunyn Schmiedebergs Arch Pharmacol 1987 Mar; 335(3):219–25
Influence of eicosanoids on serotonin release in the rat brain: inhibition by prostaglandins E1 and E2. Schlicker E, et al. Naunyn Schmiedebergs Arch Pharmacol 1987 Jun; 335(6):646–51
Age-related changes in metabolic responses to chronic monoamine depletion in central dopaminergic and serotonergic systems of rats treated with reserpine. Algeri S, et al. Neurobiol Aging 1987 Jan-Feb;8(1):61–6
In vivo release of endogenous dopamine, 5-hydroxytryptamine and some of their metabolites from rat caudate nucleus by phenylethylamine. Bailey BA, et al. Neurochem Res 1987 Feb;12(2):173–8
Cerebrocortical modulation of S2-receptors and turnover rate of 5-hydroxytryptamine in ischemia. Wroblewska B, et al. Neurochem Res 1987 Jan;12(1):21–5
A new experimental animal for the study of age-related changes in serotonergic neuronal activity in the brain cortex. Yamaguchi T, et al. Neurochem Res 1987 Feb; 12(2):215–9
Control of ACTH secretion by the central nucleus of the amygdala: implication of the serotoninergic system and its relevance to the glucocorticoid delayed negative feedback mechanism. Beaulieu S, et al. Neuroendocrinology 1986; 44(2):247–54
Facilitating effect of insulin on brain 5-hydroxytryptamine metabolism. Kwok RP, et al. Neuroendocrinology 1987 Apr; 45(4):267–73
Immunostaining reveals accumulation of serotonin and coexistence with tyrosine hydroxylase in hypothalamic neurons of acutely stalk-sectioned baboons. Thind KK, et al. Neuroendocrinology 1987 Feb;45(2):130–45
Relationship of analgesia induced by centrally injected calcitonin to the CNS serotonergic system. Guidobono F, et al. Neuropeptides 1986 Oct;8(3):259–71
Long-lasting effect of systemically administrated caerulein on monoaminergic neuronal pathways in rat brain. Kuroki T, et al. Neuropeptides 1987 Feb-Mar;9(2):169–76
Necessity of ascorbic acid in the radioligand binding assay for [3H]5-hydroxytryptamine. Andresen JW, et al. Neuropharmacology 1986 Aug;25(8):869–75
Adaptive changes in the 5-HT2 binding site after chronic administration of agonists and antagonists. Blackshear MA, et al. Neuropharmacology 1986 Nov;25(11):1267–71
Failure to detect any transport of the irreversible monoamine oxidase inhibitor N-cyclopropyl-4-chloroamphetamine by the carrier of 5-hydroxytryptamine in the brain of the rat in vivo. Fagervall I, et al. Neuropharmacology 1986 Aug; 25(8):911–3
Characterisation of sodium-dependent uptake of 5-hydroxytryptamine into guinea-pig brain. Kilpatrick AT, et al. Neuropharmacology 1986 Sep;25(9):1037–41
Indoloquinolizidines, formal derivatives of tetrahydro-beta-carbolines, show selective affinity for benzodiazepine, tryptamine and serotonin binding sites in rat brain. Lounasmaa M, et al. Neuropharmacology 1986 Aug;25(8):915–8
Short-term effects of ether, equithesin and droperidol/fentanyl on catecholamine and indolamine metabolism in the brain of the rat. Schwarting R, et al. Neuropharmacology 1987 May;26(5):457–61
Alzheimer's disease and serotonin: a review. Whitford GM. Neuropsychobiology 1986;15(3-4):133–42
Major dopamine innervation of the cortical motor areas in the cynomolgus monkey. A radioautographic study with comparative assessment of serotonergic afferents. Berger B, et al. Neurosci Lett 1986 Dec 12;72(2):121–7
Serotonergic and non-serotonergic raphe neurons projecting to the feline lumbar and cervical spinal cord: a quantitative horseradish peroxidase-immunocytochemical study. Bowker RM, et al. Neurosci Lett 1987 Mar 20;75(1):31–7
The relationship between descending serotonin projections and ascending projections in the nucleus raphe magnus: a double labeling study. Bowker RM. Neurosci Lett 1986 Oct 20;70(3):348–53
Origin and postnatal development of nerves showing 5-hydroxytryptamine-like immunoreactivity supplying major cerebral arteries of the rat. Cowen T, et al. Neurosci Lett 1987 Jul 22;78(2):121–6
[125I]LSD labels 5-HT1C recognition sites in pig choroid plexus membranes. Comparison with [3H]mesulergine and [3H]5-HT binding. Hoyer D, et al. Neurosci Lett 1986 Sep 12;69(3):269–74
The morphology and distribution of serotonin-like immunoreactive fibers in the cat dorsal column nuclei. Pearson JC, et al. Neurosci Lett 1987 Feb 24;74(2):125–31
p-Chloroamphetamine releases both serotonin and dopamine into rat brain dialysates in vivo. Sharp T, et al. Neurosci Lett 1986 Dec 23;72(3):320–4
Proteins that bind serotonin in the nervous system of Aplysia californica. Tamir H, et al. Neurosci Lett 1987 Mar 9; 74(3):257–61
Neuropeptide Y alters monoamine turnover in the rat brain. Vallejo M, et al. Neurosci Lett 1987 Jan 14;73(2):155–60
Immunocytochemical localization of serotonin in intracellularly analyzed and dye-injected ganglion cells of the turtle retina. Weiler R, et al. Neurosci Lett 1986 Dec 12;72(2):147–52
Evidence that serotonergic projections to the substantia nigra in the rat arise in the dorsal, but not the median, raphe nucleus. Wirtshafter D, et al. Neurosci Lett 1987 Jun 26; 77(3):261–6
Effect of cholinergic deficit induced by ethylcholine aziridinium on serotonergic parameters in rat brain. Hörtnagl H, et al. Neuroscience 1987 Jul;22(1):203–13
Spontaneous release of endogenous 5-hydroxytryptamine and 5-hydroxyindoleacetic acid from the isolated vascularly perfused ileum of the guinea-pig. Schwörer H,

et al. **Neuroscience** 1987 Apr;21(1):297–303

The modification by systemic morphine of the responses of serotonergic and non-serotonergic neurons in nucleus raphe magnus to heating the tail. Chiang CY, et al. **Pain** 1986 Aug;26(2):245–57

Differential effect of tetracaine and bupivacaine on catecholamine and 5-hydroxytryptamine turnover. Rosenberg PH, et al. **Pain** 1987 May;29(2):239–45

Peptide-hormone- and serotonin-immunoreactive cells in normal and hyperplastic prostate glands. Abrahamsson PA, et al. **Pathol Res Pract** 1986 Dec;181(6):675–83

Interaction of tonic immobility and dexamethasone in the modulation of hippocampal 5-HT activity in rabbits. Farabollini F, et al. **Pharmacol Biochem Behav** 1986 Oct; 25(4):781–4

Differential effects of nialamide and clomipramine on serotonin efflux and autoreceptors. Offord SJ, et al. **Pharmacol Biochem Behav** 1987 Mar;26(3):593–600

Dietary tryptophan supplements attenuate amphetamine self-administration in the rat. Smith FL, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):849–55

Vasopressin-like peptides retain ethanol tolerance in the absence of changes in serotonin synthesis in limbic structures. Speisky MB, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):797–803

Acute effects of nomifensine on in vivo uptake and metabolism of dopamine, noradrenaline and serotonin in the rat brain. Broch OJ. **Pharmacol Toxicol** 1987 Jan; 60(1):70–4

A comparison of acute stress paradigms: hormonal responses and hypothalamic serotonin. Paris JM, et al. **Physiol Behav** 1987;39(1):33–43

Behavioral and biochemical studies of the substrates of median raphe lesion induced hyperactivity. Wirtshafter D, et al. **Physiol Behav** 1986;38(6):751–9

The influence of auditory and lithium stimulation on blood and brain serotonin in the normal rat and in that susceptible to audiogenic convulsions. Uluitu M, et al. **Physiologie** 1986 Jul–Sep;23(3):167–76

Ontogeny of the serotonergic projection to rat neocortex: transient expression of a dense innervation to primary sensory areas. D'Amato RJ, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(12):4322–6

Isolation of a novel biliary metabolite of monocrotaline and its inhibitory actions on serotonin transport in the lung. Crowe PD, et al. **Proc West Pharmacol Soc** 1987;30:89–91

Cortical neurochemistry in Alzheimer-type dementia. Cross AJ, et al. **Prog Brain Res** 1986;70:153–69

Indoleamines in depression and suicide. van Praag HM. **Prog Brain Res** 1986;65:59–71 (73 ref.)

Reduced central serotonin turnover in a subgroup of alcoholics? Roy A, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):173–7

Lack of serotonergic modulation on 3H-imipramine binding sites in basal conditions and during prolonged treatment with desmethylimipramine. Brunello N, et al. **Psychopharmacol Bull** 1986;22(3):931–6

Analysis of 5-HT1 binding site subtypes and potential functional correlates. Peroutka SJ, et al. **Psychopharmacol Bull** 1986;22(3):813–7

Labeling of the 5-HT1A receptor subtype. Shih JC, et al. **Psychopharmacol Bull** 1986;22(3):818–24

Role of the serotonergic system in the postmortem analysis of suicide. Stanley M, et al. **Psychopharmacol Bull** 1986; 22(3):735–40

The pitfalls of serotonin precursors as challengers in hormonal probes of central serotonin activity. van Praag HM, et al. **Psychopharmacol Bull** 1986;22(3):565–70

Psychopharmacology of anxiety disorders: on the role of serotonin in the treatment of anxiety states and phobic disorders. Westenberg HG, et al. **Psychopharmacol Bull** 1987;23(1):145–9

Studies on the possible role of brain 5-HT systems and adrenocortical activity in behavioural responses to nicotine and diazepam in an elevated X-maze. Balfour DJ, et al. **Psychopharmacology (Berlin)** 1986;90(4):528–32

Effect of antidepressant and neuroleptic drugs on the electrically evoked release of serotonin from rat cerebral cortex. Gross G, et al. **Psychopharmacology (Berlin)** 1987; 91(2):175–81

Platelets and biogenic amines. 2. Indications for a discrete low affinity uptake mechanism shared by norepinephrine and 5-hydroxytryptamine in human platelets. Malmgren R. **Psychopharmacology (Berlin)** 1986;90(3):384–9

Effect of lithium administration on rat brain 5-hydroxyindole levels in a possible animal model for mania. Vale AL, et al. **Psychopharmacology (Berlin)** 1987;91(3):352–5

Effects of intracerebroventricular administration of bradykinin on rat brain serotonin and prostaglandins. Bhattacharya SK, et al. **Res Commun Chem Pathol Pharmacol** 1986 Dec; 54(3):355–66

Endosulfan induced inhibition of 3H-5-hydroxytryptamine uptake in platelets. Anand M, et al. **Toxicol Lett** 1986 Sep; 32(3):203–8

Endocrine cells in ectocervical epithelium. An immunohistochemical and ultrastructural analysis. Fetissof F, et al. **Virchows Arch [A]** 1987;411(3):293–8

Cathepsin D: a new marker of the vitality of the wound. Comparative study with histamine and serotonin. Lorente JA, et al. **Z Rechtsmed** 1987;98(2):95–101

[The role of alpha and beta receptors and their effects on 5-HT metabolism in acupuncture analgesia] Wang YJ, et al. **Chen Tzu Yen Chiu** 1987;12(1):62–7 (Eng. Abstr.) **(Chi)**

[Role of GABA and its effect on 5-HT metabolism in the rat brain under acupuncture analgesia] Wang YJ. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Mar;7(3):169–70, 134 (Eng. Abstr.) **(Chi)**

[Exploration of the metabolism of brain serotonin and dopamine in prolonged traumatic coma:prognostic value] Artru F, et al. **Agressologie** 1986 Nov;27(11):923–5 (Eng. Abstr.) **(Fre)**

[Histopathologic and neurochemical correlations as a function of lesions of the locus coeruleus region in the cat (I)] Marchand R, et al. **Can J Neurol Sci** 1979 Feb; 6(1):27–37 (Eng. Abstr.) **(Fre)**

[Identification of simulated suicides with biochemical determination of the age of injuries] Raekallio J. **Beitr Gerichtl Med** 1986;44:47–9 (Eng. Abstr.) **(Ger)**

[Epistaxis, hypertension and neck tumor—a rare case of a hormonally active carotid paraganglioma] Hiller E, et al. **HNO** 1986 Aug;34(8):350–2 (Eng. Abstr.) **(Ger)**

[Effect of experimental reserpine-induced stomach ulcers in rats on the enterochromaffin cells and the level of serotonin and 5-hydroxyindoleacetic acid in stomach and duodenum] Orlicz G, et al. **Z Mikrosk Anat Forsch** 1986;100(6):928–38 (Eng. Abstr.) **(Ger)**

[Specific inhibitory action of a novel antidepressant paroxetine on 5-HT uptake] Tanigaki N, et al. **Nippon Yakurigaku Zasshi** 1987 Apr;89(4):175–80 (Eng. Abstr.) **(Jpn)**

[Method of evaluating the concentration of biogenic amines in tissue basophils in histologic preparations] Datsenko AV, et al. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):80–2 **(Rus)**

[Localization of catecholamines, serotonin and histamine in the cells and mucus of bronchial washings from apparently healthy subjects] Teniukov VV, et al. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):40–3 (Eng. Abstr.) **(Rus)**

[Competitive interaction of serotonin and the dye acridine orange with DNA] Strakhovskaia MG, et al. **Biol Nauki** 1986;(11):33–6 (Eng. Abstr.) **(Rus)**

[Activation of serotonin release in a perfused in situ segment of the rat jejunum] Vasil'ev VP. **Biol Nauki** 1987;(2):48–51 (Eng. Abstr.) **(Rus)**

[Immunohistochemical and electron microscopic identification of serotonin, melatonin and beta-endorphin in the granules of natural killers] Dedenkov AN, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):491–3 (Eng. Abstr.) **(Rus)**

[Effect of the carcinogenic metabolites of aromatic amino acids on oxidative processes in lipids in vitro and in vivo] Levchuk AA, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):77–9 (Eng. Abstr.) **(Rus)**

[Pharmaco-histochemical study of monoamine-containing cells in the taste buds as affected by capsaicin-induced substance P deficiency] Solov'eva NA, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):612–5 (Eng. Abstr.) **(Rus)**

[Serotonin level in the olfactory bulbs and pheromone-mediated regulation of aggressive behavior in male domestic mice] Diuzhikova NA, et al. **Dokl Akad Nauk SSSR** 1987;292(5):1275–7 **(Rus)**

[Serotonin and histamine levels after exposure to noise and electromagnetic fields] Bylinkina TI. **Gig Sanit** 1986 Aug; (8):27–30 (Eng. Abstr.) **(Rus)**

[Serotonin content and 5-hydroxytryptophan decarboxylase activity in the tissues of rats with trophic impairment of the nervous system] Azhipa IaI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Jan–Feb;(1):96–103 (Eng. Abstr.) **(Rus)**

[Cyclic adenosine-3',5'-monophosphate and serotonin in the tissues of rats at various stages of a neurodystrophic process] Azipa IaI, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Mar–Apr;(2):185–95 (Eng. Abstr.) **(Rus)**

[A fluorometric method of determining serotonin levels using thin layer chromatography] Baubekova NA. **Lab Delo** 1986;(8):473–4 (Eng. Abstr.) **(Rus)**

[Radioautographic study of the hypothalamic serotoninergic structures in the perinatal period of the rat] Ugriumov MV, et al. **Ontogenez** 1987 Mar–Apr;18(2):192–7 (Eng. Abstr.) **(Rus)**

[Effect of super-high doses of gamma-radiation on the level and metabolism of serotonin in the rat brain] Silina AG, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):556–7 (Eng. Abstr.) **(Rus)**

[Age-related changes in the serotonin content of the epiphysis of birds] Nazarian MB, et al. **Zh Evol Biokhim Fiziol** 1986 Sep–Oct;22(5):497–9 (Eng. Abstr.) **(Rus)**

[Serotoninergic and catecholaminergic indices in patients with neurotic and depressive disorders and changes in them as a result of reflexotherapy] Markelova VF, et al. **Zh Nevropatol Psikhiatr** 1986;86(11):1708–12 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of serotonin on basal and TRH-induced release of prolactin from rat pituitary glands in vitro. Apfelbaum ME. **Acta Endocrinol (Copenh)** 1987 Apr;114(4):565–71

Serotonin stimulates GH secretion through a direct pituitary action: studies in hypophysectomized autografted animals and in perifused pituitaries. López F, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):317–22

Use of antidepressant drugs in the study of the role of biogenic amines in ethanol narcosis. Muñoz C, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):317–27

Contractile effects of noradrenaline and 5-hydroxytryptamine in human hand veins: a pharmacological receptor characterization. Arner M, et al. **Acta Physiol Scand** 1986 Oct;128(2):209–17

Changes in cyclic 3'5'-adenosine monophosphate tissue concentration and net fluid transport in the cat's small intestine elicited by cholera toxin, arachidonic acid, vasoactive intestinal polypeptide and 5-hydroxytryptamine. Eklund S, et al. **Acta Physiol Scand** 1987 Jan;129(1):115–25

Relaxant and contractile effects of some amines and prostanoids in myometrial and vascular smooth muscle within the human uteroplacental unit. Maigaard S, et al. **Acta Physiol Scand** 1986 Sep;128(1):33–40

Serotonin facilitates NMDA responses of cat neocortical neurones. Nedergaard S, et al. **Acta Physiol Scand** 1986 Oct;128(2):323–5

Receptors involved in the 5-hydroxytryptamine-induced contraction of isolated cerebral arteries. Young AR, et al. **Acta Physiol Scand [Suppl]** 1986;552:54–7

Influence of serotonin, serotonin antagonists, some vasoactive substances and temperature on carrageenin-induced tail thrombosis in rats and mice. Bekemeier H, et al. **Agents Actions** 1986 Aug;18(5–6):581–5

Substance P and vasoactive intestinal peptide in serotonin-induced nasal secretions in normal subjects. Tønnesen P, et al. **Allergy** 1987 Feb;42(2):146–50

The interaction between serotonin and angiotensin II in the chronically instrumented guinea pig and its alteration by indomethacin. Weiner C, et al. **Am J Obstet Gynecol** 1987 Apr;156(4):869–75

Effect of serotonin on prostaglandin synthesis in rat cultured mesangial cells. Knauss T, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 2):F844–50

Participation of serotonin and substance P in the action of cholecystokinin on colonic motility. Wiley J, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G431–5

Role of 5-hydroxytryptamine in endotoxin-induced respiratory failure of pigs. Olson NC. **Am Rev Respir Dis** 1987 Jan;135(1):93–9

Distribution of immunocompetent cells underlying psychoneuroimmunomodulation. Brain neuromediator control mechanisms. Devoino L, et al. **Ann NY Acad Sci** 1987;496:292–300

Influence of 5-hydroxytryptamine on the combination effect of lonidamine or gossypol and hyperthermia on Ehrlich tumour in vivo. Molla MR, et al. **Anticancer Res** 1987 May–Jun;7(3 Pt B):361–4

Responses of potassium-depolarized rat tail arteries to adrenaline and serotonin. Polidoro JH, et al. **Arch Int Pharmacodyn Ther** 1987 Apr;286(2):206–11

Reciprocal potentiation of a vasoconstrictor response between 5-hydroxytryptamine and clonidine in the perfused mesenteric vascular bed of the rat. Takiguchi Y, et al. **Arch Int Pharmacodyn Ther** 1987 May;287(1):16–30

Vasoconstrictor mechanism of 5-hydroxytryptamine in isolated and perfused canine basilar arteries. Tsuji T, et al. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):111–22

High-dose clonidine motor syndrome: relationship to serotonin syndrome. Pranzatelli MR, et al. **Behav Brain Res** 1987 Jun;24(3):221–32

Serotonin induced actin polymerization and association with cytoskeletal elements in cultured bovine aortic endothelium. Alexander JS, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):152–8

Serotonin-induced cytosolic free calcium transients in cultured vascular smooth muscle cells. Kanaide H, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):532–8

Serotonergic, adrenergic and histaminergic receptors coupled to phospholipase C in cultured cerebellar granule cells of rats. Xu J, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2353–8

Serotonin-induced alterations in inositol phospholipid metabolism in human platelets. de Chaffoy de Courcelles D, et al. **Biochim Biophys Acta** 1987 Feb 18;927(2):291–302

Vasoactive amines directly modify endothelial cells to affect polymorphonuclear leukocyte diapedesis in vitro. Doukas J, et al. **Blood** 1987 Jun;69(6):1563–9

Differential reactivity to 5-hydroxytryptamine in canine coronary arteries. Gutterman DD, et al. **Blood Vessels** 1986; 23(4–5):165–72

Whole mounted pressurized in vitro model for the study of cerebral arterial mechanics. Vinall PE, et al. **Blood Vessels** 1987;24(1–2):51–62

The effect of inhaled 5-hydroxytryptamine (5-HT, serotonin) on airway calibre in man. Cushley MJ, et al. **Br J Clin Pharmacol** 1986 Oct;22(4):487–90

Pharmacological analysis of the interaction between Bay K 8644 and 5-HT in rabbit aorta. Barrett VJ, et al. **Br J Pharmacol** 1986 Mar;87(3):487–94

Stereospecific inhibition of 5-HT-induced increase of intracellular free calcium by (+)- and (-)-desmethoxyverapamil in human platelets. Bruns C, et al. **Br J Pharmacol** 1986 Mar;87(3):481–2

Hypersensitivity of mesenteric veins to 5-hydroxytryptamine- and ketanserin-induced reduction

of portal pressure in portal hypertensive rats. Cummings SA, et al. **Br J Pharmacol** 1986 Nov;89(3):501–13

Pharmacological characterization of 5-hydroxytryptamine-induced depolarization of the rat isolated vagus nerve. Ireland SJ, et al. **Br J Pharmacol** 1987 Jan;90(1):229–38

Influence of serotonin on lower urinary tract smooth muscle in vitro. Klarskov P, et al. **Br J Urol** 1986 Oct;58(5):507–13

Effect of serotonin and serotonin analogues on passive membrane properties of lateral septal neurons in vitro. Joëls M, et al. **Brain Res** 1987 Aug 4;417(1):99–107

Effects of serotonin, cyproheptadine and reserpine on corticotropin-releasing factor release from the rat hypothalamus in vitro. Nakagami Y, et al. **Brain Res** 1986 Oct 29;386(1–2):232–6

Excitatory action of 5-HT on deglutitive substrates in the rat solitary complex. Hashim MA, et al. **Brain Res Bull** 1987 Mar;18(3):355–63

Water intake induced in rats by serotonin and 5-hydroxytryptophan: different mechanisms? Rowland NE, et al. **Brain Res Bull** 1987 Apr;18(4):501–8

Hypothalamic serotonin in the control of meal patterns and macronutrient selection. Shor-Posner G, et al. **Brain Res Bull** 1986 Nov;17(5):663–71

Lack of effect of antagonists on serotonin-induced inhibition in rat hippocampus. Penington NJ, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1413–8

The roles of monoaminergic neurotransmitters in thermoregulation. Zeisberger E. **Can J Physiol Pharmacol** 1987 Jun;65(6):1395–401

Relation between membrane potential and contractile force in smooth muscle of the rat tail artery during stimulation by norepinephrine, 5-hydroxytryptamine, and potassium. Neild TO, et al. **Circ Res** 1987 May;60(5):791–5

Porcine coronary arteries with regenerated endothelium have a reduced endothelium-dependent responsiveness to aggregating platelets and serotonin. Shimokawa H, et al. **Circ Res** 1987 Aug;61(2):256–70

In search of afferent pathways of a cardiogenic hypertensive chemoreflex. Thames MD, et al. **Circulation** 1987 Mar; 75(3):643–50

Basic pharmacology of ethanol-serotonin interactions. Kalant H. **Clin Neuropharmacol** 1986;9 Suppl 4:49–51

Serotonin induced protein phosphorylation in the Aplysia eye. Lotshaw DP, et al. **Comp Biochem Physiol [C]** 1987; 86(1):27–32

Effects of 5-hydroxytryptamine, dopamine, and aromatic L-amino acids on growth hormone (GH)-releasing factor-stimulated GH release in rat anterior pituitaries. Lindström P, et al. **Endocrinology** 1987 Feb;120(2):780–4

Influence of Ca2+e on 5-HT2- and alpha 1-induced arterial contraction and phosphoinositide metabolism. Berta P, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):253–7

Enhancement of vasoconstrictor and attenuation of vasodilator effects of 5-hydroxytryptamine by the calcium channel blockers nimodipine and nifedipine in the pig. Duncker DJ, et al. **Eur J Pharmacol** 1987 Apr 7; 136(1):11–21

5-Hydroxytryptamine stimulates the release of prostacyclin but not thromboxane A2 from isolated rat dental pulp. Hirafuji M, et al. **Eur J Pharmacol** 1987 Apr 29; 136(3):433–6

Amplification of serotonin-induced contractions of isolated porcine coronary arteries after pretreatment with therapeutic doses of beta-methyldigoxin. Hoang ND, et al. **Eur J Pharmacol** 1987 Mar 3;135(1):89–91

Multiple actions of serotonin on lateral septal neurons in rat brain. Joëls M, et al. **Eur J Pharmacol** 1986 Sep 23; 129(1–2):203–4

The effects of histamine and serotonin on polymorphonuclear leukocyte accumulation in the rat. Kheifets J, et al. **Eur J Pharmacol** 1986 Sep 9;128(3):179–86

Age-related change in serotonin-mediated prejunctional inhibition of rat vas deferens. Moritoki H, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):39–46

The dopamine response in mouse neuroblastoma cells is mediated by serotonin 5HT3 receptors. Neijt HC, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):271–4

5-Hydroxytryptamine depresses depolarizing responses to GABA in the rat isolated vagus nerve. Pike GK, et al. **Eur J Pharmacol** 1986 Nov 19;131(2–3):297–300

Neurophysiological effects of buspirone and isapirone in the hippocampus: comparison with 5-hydroxytryptamine. Rowan MJ, et al. **Eur J Pharmacol** 1986 Dec 2;132(1):93–6

A re-appraisal of the mode of action of 5-HT in inhibiting GABA-induced cholinergic contractions in the guinea-pig ileum. Tonini M, et al. **Eur J Pharmacol** 1986 Aug 15; 127(3):267–70

Action of dopamine and serotonin on the membrane potential of cultured astrocytes. Hösli L, et al. **Exp Brain Res** 1987; 65(2):482–5

A factor potentiating serotonin in the induction of germinal vesicle breakdown in surf clam oocytes. Toraya T, et al. **Experientia** 1987 Aug 15;43(8):885–6

Pertussis toxin inhibits the angiotensin II and serotonin-induced rise of free cytoplasmic calcium in cultured smooth muscle cells from rat aorta. Bruns C, et al. **FEBS Lett** 1987 Feb 9;212(1):40–4

The synergistic effect of serotonin and epinephrine on the human platelet at the level of signal transduction. de Chaffoy de Courcelles D, et al. **FEBS Lett** 1987 Jul 27; 219(2):283–8

Patterns of constriction produced by vasoactive agents. Grega GJ, et al. **Fed Proc** 1987 Feb;46(2):270–5

Quantity of DNA in foetal liver after X-irradiation and/or AET, MEA, or 5-HT treatment of pregnant Porton mice. Mazur L. **Folia Biol (Krakow)** 1986;34(3):293–8

In vitro effects of serotonin and prostaglandins on release of eggs from the ovary of the scallop, Patinopecten yessoensis. Matsutani T, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):111–8

Regulation of the stress-responsive X-organ--Y-organ axis by 5-hydroxytryptamine in the crab, Cancer antennarius. Mattson MP, et al. **Gen Comp Endocrinol** 1986 Jun; 62(3):419–27

Effect of serotonin and beta-endorphin on the release of luteinizing hormone in the hen (Gallus domesticus). Sakurai H, et al. **Gen Comp Endocrinol** 1986 Jul;63(1):24–30

Regulation of melanotropin release from the pars intermedia of the amphibian Xenopus laevis: evaluation of the involvement of serotonergic, cholinergic, or adrenergic receptor mechanisms. Verburg-van Kemenade BM, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):471–80

The inhibitory action of melatonin on the contractile response to 5-hydroxytryptamine in various isolated vascular smooth muscles. Satake N, et al. **Gen Pharmacol** 1986; 17(5):553–8

Metoclopramide fails to stimulate aldosterone secretion and inhibits serotonin-mediated aldosterone secretion in the rat. Hampton T, et al. **Horm Metab Res** 1986 Nov;18(11):754–6

Possible direct effect of serotonin on pituitary prolactin secretion: in vivo and in vitro studies. López F, et al. **Horm Res** 1987;25(3):160–70

Vascular responsiveness to serotonin metabolites in mineralocorticoid hypertension. Thompson LP, et al. **Hypertension** 1987 Mar;9(3):277–81

Effect of serotonin on T lymphocyte proliferation in vitro in healthy individuals. Khan IA, et al. **Int Arch Allergy Appl Immunol** 1986;81(4):378–80

Radioactive colloidal gold as a tool to quantify extravasation of macromolecules in the rat cremaster muscle. Verheyen A, et al. **Int J Microcirc Clin Exp** 1987;5(4):321–33

Effects of DSIP, 5-HTP and serotonin on the lymphokine system: a preliminary study. Yehuda S, et al. **Int J Neurosci** 1987 Apr;33(3–4):185–97

Effects of cyclooxygenase inhibition on pulmonary vascular responses to serotonin. Hofman WF, et al. **J Appl Physiol** 1987 Mar;62(3):1192–200

An investigation into the mechanisms of the cardiovascular effects of 5-hydroxytryptamine in conscious normotensive and DOCA-salt hypertensive rats. Dalton DW, et al. **J Auton Pharmacol** 1986 Sep;6(3):219–28

Effects of serotonin on sympathetic noradrenergic transmission in rabbit isolated ear artery. Meehan AG, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec;8(6):1144–53

Influence of 5-hydroxytryptamine on crypt cell production rate of human duodenal mucosa cultured in vitro. Wheeler EE, et al. **J Clin Pathol** 1987 Jul;40(7):710–3

Serotoninergic regulation of corticosterone secretion in domestic fowl. Cheung A, et al. **J Endocrinol** 1987 May; 113(2):159–65

Serotonin induces gonadotrophin release through stimulation of LH-releasing hormone release from the median eminence. Vitale ML, et al. **J Endocrinol** 1986 Nov; 111(2):309–15

Modulation of the serotonin-sensitive potassium channel in Aplysia sensory neurone cell body and growth cone. Siegelbaum SA, et al. **J Exp Biol** 1986 Sep;124:287–306

Serotonin reduces coronary flow in the isolated heart of the spontaneously hypertensive rat. Luscher TF, et al. **J Hypertens [Suppl]** 1986 Dec;4(5):S148–50

Effect of serotonin (5-HT) and other monoamines on murine macrophages: modulation of interferon-gamma induced phagocytosis. Sternberg EM, et al. **J Immunol** 1987 Jun 15;138(12):4360–5

The regulation of neurite outgrowth, growth cone motility, and electrical synaptogenesis by serotonin. Haydon PG, et al. **J Neurobiol** 1987 Mar;18(2):197–215

Stimulation of phosphoinositide hydrolysis by serotonin in C6 glioma cells. Ananth US, et al. **J Neurochem** 1987 Jan; 48(1):253–61

Agonist-induced phosphoinositide hydrolysis in choroid plexus. Conn PJ, et al. **J Neurochem** 1986 Dec; 47(6):1754–60

Inhibition of tyrosine hydroxylase activity by serotonin in explants of newborn rat locus ceruleus. Devau G, et al. **J Neurochem** 1987 Sep;49(3):665–70

Regulation of serotonin-stimulated phosphoinositide hydrolysis: relation to the serotonin 5-HT-2 binding site. Conn PJ, et al. **J Neurosci** 1986 Dec;6(12):3669–75

Complement and 5-HT increase phosphatidylcholine incorporation into the outer bilayers of Schistosoma mansoni. Young BW, et al. **J Parasitol** 1986 Oct;72(5):802–3

Ketanserin potentiates the prejunctional inhibitory effect of 5-hydroxytryptamine on rat vas deferens. Moritoki H, et al. **J Pharm Pharmacol** 1986 Oct;38(10):737–41

Inhibition of adrenergic neurotransmission in canine tibial artery after exposure to 5-hydroxytryptamine in vitro. Cohen RA. **J Pharmacol Exp Ther** 1987 Aug;242(2):493–9

Receptors for 5-hydroxytryptamine in rabbit blood vessels: activation of alpha adrenoceptors in rabbit thoracic aorta. Purdy RE, et al. **J Pharmacol Exp Ther** 1987 Feb; 240(2):535–41

5-Hydroxytryptamine decreases the sensitivity of nicotinic acetylcholine receptor in bull-frog sympathetic ganglion cells. Akasu T, et al. **J Physiol (Lond)** 1986 Nov;380:93–109

Circadian variation in sensitivity of suprachiasmatic and lateral geniculate neurones to 5-hydroxytryptamine in the rat. Mason R. **J Physiol (Lond)** 1986 Aug;377:1–13

Effects of melatonin, serotonin, and naloxone on aggression in isolated cichlid fish (Aequidens pulcher). Munro AD. **J Pineal Res** 1986;3(3):257–62

Responsiveness of vein bypass grafts to stimulation with norepinephrine and 5-hydroxytryptamine. Makhoul RG, et al. **J Vasc Surg** 1987 Jul;6(1):32–8

Graphic analysis of serotonin effects in dog heart-lung preparation. Hojo Y, et al. **Jpn Circ J** 1987 Mar; 51(3):293–302

Probable pre- and postsynaptic modifications by 5-hydroxytryptamine of contractile responses to electrical stimulation of isolated guinea-pig vas deferens. Yoshida S, et al. **Jpn J Pharmacol** 1986 Jul;41(3):315–23

Serotonin and the renal blood supply: role of prostaglandins and the 5HT-2 receptor. Blackshear JL, et al. **Kidney Int** 1986 Sep;30(3):304–10

Hepatic microvascular regulatory mechanisms. VIII. Glucogenic responses and morphologic changes following serotonin-induced low flow. Reilly FD, et al. **Microcirc Endothelium Lymphatics** 1986;3(1):21–46

GTP-binding proteins associated with serotonin-activated adenylate cyclase in Fasciola hepatica. Mansour JM, et al. **Mol Biochem Parasitol** 1986 Nov;21(2):139–49

Mechanisms involved in the action of serotonin-induced stimulation of progesterone production by bovine luteal cells in vitro. Battista PJ, et al. **Mol Cell Endocrinol** 1987 May;51(1–2):145–51

Adrenergic and serotonergic regulation of skeletal muscle metabolism in the rat: specificity of the serotonin- and isoproterenol-stimulable adenylyl cyclase in sarcolemma. Maillet CM, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2–3):179–90

Differential modulation of three separate K-conductances in hippocampal CA1 neurons by serotonin. Colino A, et al. **Nature** 1987 Jul 2–8;328(6125):73–7

cGMP-dependent protein kinase enhances Ca2+ current and potentiates the serotonin-induced Ca2+ current increase in snail neurones. Paupardin-Tritsch D, et al. **Nature** 1986 Oct 30-Nov 5;323(6091):812–4

Effects of combinations of 5-hydroxytryptamine receptor antagonists on 5-HT-induced human platelet aggregation. Bevan J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec;334(4):341–5

Serotonin (5-HT) enhances hippocampal noradrenaline (NA) release: evidence for facilitatory 5-HT receptors within the CNS. Feuerstein TJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):191–7

The direct and amplifying effects of serotonin are increased with age in the isolated perfused kidney of Wistar and spontaneously hypertensive rats. Janssens WJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec; 334(4):327–32

Effects of MDL 72222 and methiothepin on carotid vascular responses to 5-hydroxytryptamine in the pig: evidence for the presence of "5-hydroxytryptamine1-like" receptors. Saxena PR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):198–204

The influence of 5-hydroxytryptamine on the release of acetylcholine from guinea-pig brain ex vivo and in vitro. Bianchi C, et al. **Neuropharmacology** 1986 Sep;25(9):1043–9

The central site of the sympatho-inhibitory action of 5-hydroxytryptamine in the cat. Coote JH, et al. **Neuropharmacology** 1987 Feb-Mar;26(2–3):147–54

Effect of monoamines on field potentials in the suprachiasmatic nucleus of slices of hypothalamus of the rat evoked by stimulation of the optic nerve. Liou SY, et al. **Neuropharmacology** 1986 Sep;25(9):1009–14

Modulation of neuronal activity in the hippocampus by 5-hydroxytryptamine and 5-hydroxytryptamine1A selective drugs. Peroutka SJ, et al. **Neuropharmacology** 1987 Feb-Mar;26(2–3):139–46

Further studies on the blockade of 5-HT depolarizations of rabbit vagal afferent and sympathetic ganglion cells by MDL 72222 and other antagonists. Round A, et al. **Neuropharmacology** 1987 Jan;26(1):39–48

Effect of serotonin on the development of a rat cerebral cortex tissue culture. Chubakov AR, et al. **Neurosci Behav Physiol** 1986 Nov-Dec;16(6):490–7

Regulation of plastic properties of electroexcitable neuron membrane by serotonin. D'yakonova TL. **Neurosci Behav Physiol** 1986 Sep-Oct;16(5):389–94

Effect of serotonin and acetylcholine on electrical activity of the isolated rabbit cortex. Ignat'ev DA, et al. **Neurosci Behav Physiol** 1986 Sep-Oct;16(5):376–83

Repetitive axonal discharges elicited by serotonin and intracellular adenosine 3',5'-cyclic monophosphate in the crayfish neuromuscular junction. Finger W, et al. **Neurosci Lett** 1986 Dec 23;72(3):295–9

5-Hydroxytryptamine effects on the somata of bullfrog primary afferent neurons. Morita K, et al. **Neuroscience** 1987 Jun;21(3):1007–18

Hemorrhage-induced alterations of rabbit basilar artery reactivity and sensitivity to serotonin. Young HA, et al. **Neurosurgery** 1986 Oct;19(4):502–6

Reflex inhibition of efferent renal sympathetic nerve activity

by 5-hydroxytryptamine and nicotine is elicited by different epicardial receptors. Mohr B, et al. **Pflugers Arch** 1987 Jun;409(1-2):145-51

Modulation of the vestibulo-ocular reflex by serotonin in the rat. Ternaux JP, et al. **Pflugers Arch** 1987 Aug; 409(4-5):507-11

Medial hypothalamic serotonin: effects on deprivation and norepinephrine-induced eating. Weiss GF, et al. **Pharmacol Biochem Behav** 1986 Dec;25(6):1223-30

Stimulation of inositol phospholipid breakdown in rat cortical and hippocampal miniprisms by noradrenaline, 5-hydroxytryptamine and carbachol: some methodological aspects. Fowler CJ, et al. **Pharmacol Toxicol** 1987 Apr; 60(4):274-9

Functional significance of the serotoninergic influence on neuronal activity of the somatosensory cortex in 12-day-old kittens. Rayevsky VV, et al. **Physiol Bohemoslov** 1986;35(4):340-3

The permeability of aortic endothelium to 125I-BSA in hyperlipidemic hamster. Effect of histamine and serotonin. Georgescu L, et al. **Physiologie** 1986 Oct-Dec;23(4):221-5

Light paired with serotonin mimics the effect of conditioning on phototactic behavior of Hermissenda. Crow T, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(20):7975-8

Rat brain serotonin receptors in Xenopus oocytes are coupled by intracellular calcium to endogenous channels. Takahashi T, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):5063-7

Involvement of a specific protein in the regulation of a circadian rhythm in Aplysia eye. Yeung SJ, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):279-83

Effector systems coupled to serotonin receptors in brain: serotonin stimulated phosphoinositide hydrolysis. Sanders-Bush E, et al. **Psychopharmacol Bull** 1986; 22(3):829-36

Some applications of the indium-113m-transferrin technique for gamma-radiation detection of microvascular effects of serotonin and ischemia. Hultkvist U, et al. **Res Exp Med (Berl)** 1987;187(1):49-54

Characterization of the responses to serotonin and prostanoids in human umbilical arteries perfused in vitro. Bjoro K, et al. **Scand J Clin Lab Invest [Suppl]** 1986; 184:85-90

Exogenous serotonin and histamine-stimulated gastric acid and pepsin secretion in dogs. Bech K. **Scand J Gastroenterol** 1986 Dec;21(10):1205-10

Evidence that intraluminal pressure affects high potassium- and serotonin-induced contractions differently in the bovine middle cerebral artery: an in vitro study. Vinall PE, et al. **Stroke** 1987 Jan-Feb;18(1):92-100

Effects of calcium antagonists on isolated bovine cerebral arteries: inhibition of constriction and calcium-45 uptake induced by potassium or serotonin. Wendling WW, et al. **Stroke** 1987 May-Jun;18(3):591-8

[Levels of intra- and extra-platelet 5-HT-analogous substances and the effect of 5-HT on platelet aggregation in acute myocardial infarction] Xia Y, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1987 Apr; 15(2):83-5, 127 (Eng. Abstr.) **(Chi)**

[Effects of 5-hydroxytryptamine on various cardiovascular diseases] Xia Y, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Feb;67(2):115-7 (26 ref.) **(Chi)**

[Effect of iontophoretic 5-HT on raphe-spinal neurons] Zhu LX, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep; 7(5):394-8 (Eng. Abstr.) **(Chi)**

[Effect of serotonin on the arterial endothelium] Nikolov SD, et al. **Z Mikrosk Anat Forsch** 1986;100(4):588-606 (Eng. Abstr.) **(Ger)**

[Effect of serotonin on the cytochrome oxidase activity and on blood glucose in normal and pregnant rats (20bC in the daytime)] Balbi C, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):161-6 (Eng. Abstr.) **(Ita)**

[Behavior of the basal metabolism after i.p. injection of serotonin in normal and pregnant rats at 20C in the daytime] Brizzi G, et al. **Boll Soc Ital Biol Sper** 1987 Feb 28;63(2):155-9 (Eng. Abstr.) **(Ita)**

[The effects of ketanserin on the hemodynamic response after intracerebroventricular administration of 5-hydroxytryptamine] Hayashi H, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Oct 20;62(10):1222-9 (Eng. Abstr.) **(Jpn)**

[Serotonin and blood platelets in angiospasm and hypertension] Buczko W, et al. **Kardiol Pol** 1987; 30(1):42-54 (44 ref.) **(Pol)**

[The role of cAMP in generating excitatory serotonin responses of neurons in the edible snail] Borisova OV, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):657-9 (Eng. Abstr.) **(Rus)**

[Free cytoplasmic calcium and thrombocyte aggregation in patients with ischemic heart disease. The effect of ADP, thrombocyte activation factor and serotonin] Panchenko EP, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):90-6 (Eng. Abstr.) **(Rus)**

[Influence of prostaglandin synthesis blockade on the immunosuppressive effect of serotonin and haloperidol] Chekho MA, et al. **Farmakol Toksikol** 1987 Mar-Apr; 50(2):51-4 (Eng. Abstr.) **(Rus)**

[Action of serotonin on the electrogenesis and contraction of the smooth muscles of the basilar artery] Gokina NI, et al. **Fiziol Zh** 1987 Jul-Aug;33(4):48-53 (Eng. Abstr.) **(Rus)**

[Modulating effect of serotonin and histamine on rectus abdominis contraction in the frog induced by small doses of acetylcholine] Roitrub BA, et al. **Fiziol Zh** 1987 Mar-Apr;33(2):57-61 (Eng. Abstr.) **(Rus)**

[Action of serotonin on isolated smooth muscles of the human gastrointestinal tract and its potential use in the clinic] Vladimirova IA, et al. **Fiziol Zh** 1986 Nov-Dec; 32(6):671-80 (Eng. Abstr.) **(Rus)**

[Changes in the duration of action potentials of functionally different Helix neurons in response to serotonin] Balaban PM. **Neirofiziologiia** 1987;19(3):316-22 (Eng. Abstr.) **(Rus)**

[Effect of serotonin and noradrenaline on the magnitude of the response of the command neurons for defensive behavior in Helix lucorum L.] Chistakova MV. **Zh Vyssh Nerv Deiat** 1987 Jan-Feb;37(1):122-7 (Eng. Abstr.) **(Rus)**

[Role of the hippocampus and its monoamine reactive systems in the sleep mechanisms of the cat] Melikov EM. **Zh Vyssh Nerv Deiat** 1987 Mar-Apr;37(2):246-53 (Eng. Abstr.) **(Rus)**

[Pharmacology of serotonin and vascular function] Stefano FJ, et al. **Medicina (B Aires)** 1985;45(4):437-41 **(Spa)**

PHYSIOLOGY

Long lasting supersensitivity to 5-HT mediated behaviour following monoamine depletion in the rat brain. Rényi L. **Acta Pharmacol Toxicol (Copenh)** 1986 Oct;59(4):298-302

Effect on the plasma renin-aldosterone system of lesions to suprachiasmatic nuclei and central serotonin depletion in rats. Ikonomov OC, et al. **Acta Physiol Hung** 1986; 68(2):211-9

The role of serotonin in the genesis of hypertension in preeclampsia. Weiner CP. **Am J Obstet Gynecol** 1987 Apr; 156(4):885-8

Does serotonin play a role in entrance into hibernation? Canguilhem B, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R755-61

Role of brain serotonergic pathways and hypothalamus in regulation of renin secretion. Gotoh E, et al. **Am J Physiol** 1987 Jul;253(1 Pt 2):R179-85

A serotonin-hippocampal model indicates adult neurons survive transplantation and aged target may be deficient in a soluble serotonergic growth factor. Azmitia EC. **Ann NY Acad Sci** 1987;495:362-77

Conceptualizing a serotonin trait. A behavioral dimension of constraint. Depue RA, et al. **Ann NY Acad Sci** 1986; 487:47-62

From fenfluramine racemate to d-fenfluramine. Specificity and potency of the effects on the serotoninergic system and food intake. Garattini S, et al. **Ann NY Acad Sci** 1987; 499:156-66 (31 ref.)

Serotonin release in rat hippocampus examined by in vivo voltammetry: serotonergic function and tryptophan availability. Joseph MH, et al. **Ann NY Acad Sci** 1986; 473:256-66

Pharmacological treatments that affect CNS activity: serotonin. Nathan C, et al. **Ann NY Acad Sci** 1987; 499:277-96 (122 ref.)

Hormone effects on serotonin-dependent behaviors. O'Connor LH, et al. **Ann NY Acad Sci** 1986;474:437-44 (39 ref.)

Recent evidence from human studies linking central serotoninergic function with carbohydrate intake. Wurtman J. **Appetite** 1987 Jun;8(3):211-3

Serotonin function in panic disorders. The effect of intravenous tryptophan in healthy subjects and patients with panic disorder before and during alprazolam treatment. Charney DS, et al. **Arch Gen Psychiatry** 1986 Nov;43(11):1059-65

Modification by clonidine of harmine-induced tremors in mice: involvement of serotoninergic system. Shukla VK, et al. **Arch Int Pharmacodyn Ther** 1986 Jul;282(1):50-7

Influence of the alpha-2 agonist oxaminozoline (S3341) on firing rate of central noradrenergic and serotonergic neurons in the rat. Comparison with clonidine. Dresse A, et al. **Arch Int Physiol Biochim** 1986 Jun;94(2):99-106

Modulation of the brain aversive system by GABAergic and serotonergic mechanisms. Graeff FG, et al. **Behav Brain Res** 1986 Nov;22(2):173-80

Evidence for a possible functional interaction between serotonergic and cholinergic mechanisms in memory retrieval. Altman HJ, et al. **Behav Neural Biol** 1987 Jul; 48(1):49-62

Mouse killing induced by para-chlorophenylalanine injections or septal lesions but not olfactory bulb lesions is similar to that of food-deprived spontaneous killers. Albert DJ, et al. **Behav Neurosci** 1985 Jun;99(3):546-54

Pharmacological analysis of the neurotransmitter mechanisms regulating phenylethanolamine N-methyltransferase in the adrenal gland. Lima L, et al. **Biochem Pharmacol** 1986 Nov 15;35(22):3965-9

5-HT, a neurotransmitter for all seasons? van Kammen DP. **Biol Psychiatry** 1987 Jan;22(1):1-3

Obsessive-compulsive disorder: psychobiological approaches to diagnosis, treatment, and pathophysiology. Zohar J, et al. **Biol Psychiatry** 1987 Jun;22(6):667-87

Behavioural and adrenocortical responses to nicotine measured in rats with selective lesions of the 5-hydroxytryptaminergic fibres innervating the hippocampus. Balfour DJ, et al. **Br J Pharmacol** 1986 Oct; 89(2):341-7

Effect of chronic treatment with 5-HT1 agonist (8-OH-DPAT and RU 24969) and antagonist (isapirone) drugs on the behavioural responses of mice to 5-HT1 and 5-HT2 agonists. De Souza RJ, et al. **Br J Pharmacol** 1986 Oct;89(2):377-84

Early development of serotonin neuron in the rat brain as studied by immunohistochemistry combined with tryptophan administration. Fujimiya M, et al. **Brain Dev** 1986;8(4):335-42

Effect of dorsal midbrain lesion in infant rats on development of circadian rhythm. Takahashi K, et al. **Brain Dev** 1986; 8(4):373-81

6-Hydroxydopamine induces serotonergic axon sprouting in cerebral cortex of newborn rat. Blue ME, et al. **Brain Res** 1987 Apr;429(2):255-69

Spinal cord transplants permit the growth of serotonergic axons across the site of neonatal spinal cord transection. Bregman BS. **Brain Res** 1987 Aug;431(2):265-79

Serotonin decreases population spike amplitude in hippocampal cells through a pertussis toxin substrate. Clarke WP, et al. **Brain Res** 1987 May 5;410(2):357-61

5-HT-containing nerves to major cerebral arteries of the gerbil originate in the superior cervical ganglia. Cowen T, et al. **Brain Res** 1986 Oct 1;384(1):51-9

Serotonin- and dopamine-sensitive adenylate cyclase in molluscan nervous system. Biochemical and electrophysiological analysis of the pharmacological properties and the GTP-dependence. Deterre P, et al. **Brain Res** 1986 Nov;387(2):101-9

Evidence that serotonin is involved in the sexually dimorphic development of the preoptic area in the rat brain. Handa RJ, et al. **Brain Res** 1986 Dec;395(2):278-82

Brain Na+,K+-ATPase activity possibly regulated by a specific serotonin receptor. Hernández J. **Brain Res** 1987 Apr 7;408(1-2):399-402

Serotonin-mediated excitation of recurrent laryngeal and phrenic motoneurons evoked by stimulation of the raphe obscurus. Holtman JR Jr, et al. **Brain Res** 1987 Aug 4; 417(1):12-20

Female rats are more vulnerable than males in an animal model of depression: the possible role of serotonin. Kennett GA, et al. **Brain Res** 1986 Sep 24;382(2):416-21

Further evidence for endogenous hypothalamic serotonergic neurons involved in the cimetidine-induced prolactin release in the rat. Kertesz E, et al. **Brain Res** 1987 Jun 9;413(1):10-4

Single unit activity of noradrenergic neurons in locus coeruleus and serotonergic neurons in the nucleus raphe dorsalis of freely moving cats in relation to the cardiac cycle. Morilak DA, et al. **Brain Res** 1986 Dec 10; 399(2):262-70

Central neurotoxic effects of guanethidine: altered serotonin and enkephalin neurons within the area postrema. Newton BW, et al. **Brain Res** 1987 Feb 24;404(1-2):151-61

Inositol phosphate formation and chloride current responses induced by acetylcholine and serotonin through GTP-binding proteins in Xenopus oocyte after injection of rat brain messenger RNA. Nomura Y, et al. **Brain Res** 1987 Jul;388(2):113-23

The influence of temperature upon depolarizing responses of rat isolated vagal nerve to 5-hydroxytryptamine. Pike GK, et al. **Brain Res** 1987 Jun 16;413(2):388-91

Regulation of single potassium channels by serotonin in the cell bodies of the tail mechanosensory neurons of Aplysia californica. Pollock JD, et al. **Brain Res** 1987 May 5; 410(2):367-70

Is there a serotonergic tonic descending inhibition on the responses of dorsal horn convergent neurons to C-fibre inputs? Rivot JP, et al. **Brain Res** 1987 Feb 10;403(1):142-6

Degeneration of noradrenergic and serotonergic but not dopaminergic neurones in the lumbar spinal cord of parkinsonian patients. Scatton B, et al. **Brain Res** 1986 Aug 13;380(1):181-5

Common projection areas of 5-HT- and GABA-like immunoreactive fibers in the visual system of the honeybee. Schäfer S, et al. **Brain Res** 1986 Aug 20;380(2):368-70

Determination of the source of 5-hydroxytryptaminergic neuronal projections to the neural and intermediate lobes of the rat pituitary gland through the use of electrical stimulation and lesioning experiments. Shannon NJ, et al. **Brain Res** 1987 Jul 28;416(2):322-30

Serotonergic involvement in the backward tumbling response of the parlor tumbler pigeon. Smith GN, et al. **Brain Res** 1987 Jan 6;400(2):399-402

Vasopressin release after enhanced serotonergic transmission is not due to activation of the peripheral renin-angiotensin system. Steardo L, et al. **Brain Res** 1986 Sep 10; 382(1):145-8

In vivo voltammetric studies of the effect of morphine on the serotonergic system in the cat spinal cord. Suzuki Y, et al. **Brain Res** 1986 Nov 29;398(2):413-8

Postnatal changes in serotonin receptors following prenatal alterations in serotonin levels: further evidence for functional fetal serotonin receptors. Whitaker-Azmitia PM, et al. **Brain Res** 1987 Jun;430(2):285-9

Paraventricular nucleus serotonin mediates neurally stimulated adrenocortical secretion. Feldman S, et al. **Brain Res Bull** 1987 Feb;18(2):165-8

Raphe dorsalis-spinal cord cografts in oculo: electrophysiological evidence for an excitatory serotonergic innervation of transplanted spinal neurons. Henschen A, et al. **Brain Res Bull** 1986 Dec;17(6):801-8

3-Acetylpyridine lesions and four serotonergic behavioral

syndromes in the rat. Pranzatelli MR, et al. **Brain Res Bull** 1987 Feb;18(2):159–63

A comparison of the electrophysiological and pharmacological properties of serotonin–containing neurons in the nucleus raphe dorsalis, raphe medianus and raphe pallidus recorded from mouse brain slices in vitro: role of autoreceptors. Trulson ME, et al. **Brain Res Bull** 1987 Feb;18(2):179–90

Serotonin neuron transplants: electrophysiological unit activity of intrahippocampal raphe grafts in freely moving cats. Trulson ME, et al. **Brain Res Bull** 1986 Oct; 17(4):461–8

Interaction of serotonin with somatosensory cortical neuronal responses to afferent synaptic inputs and putative neurotransmitters. Waterhouse BD, et al. **Brain Res Bull** 1986 Oct;17(4):507–18

Serotonergic and adrenergic mechanisms in tolerance development to ethanol and barbital. Germany A, et al. **Cell Mol Biol** 1987;33(1):45–9

Adrenergic and serotonergic receptor responsiveness in depression. Siever LJ, et al. **Ciba Found Symp** 1986; 123:148–63

Dietary treatment of atherosclerosis abolishes hyperresponsiveness to serotonin: implications for vasospasm. Heistad DD, et al. **Circ Res** 1987 Sep; 61(3):346–51

Serotonin as an alternative transmitter in sympathetic nerves of large cerebral arteries of the rabbit. Saito A, et al. **Circ Res** 1987 Feb;60(2):220–8

Evidence for serotoninergic system involvement in opioid control of luteinizing hormone secretion in man. Foresta C, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):573–8

Therapeutic use of serotonergic drugs in alcohol abuse. Sellers EM, et al. **Clin Neuropharmacol** 1986;9 Suppl 4:60–2

Cerebral circulatory and metabolic effects of perivascular neurotransmitters. MacKenzie ET, et al. **CRC Crit Rev Clin Neurobiol** 1987;2(4):357–419 (446 ref.)

Suppression of penicillin–induced epileptiform activity by noxious stimulation: mediation by 5–hydroxytryptamine. Neuman RS. **Electroencephalogr Clin Neurophysiol** 1986 Dec;64(6):546–55

Opiate–serotonin synergism stimulating luteinizing hormone release in estrogen–progesterone–primed ovariectomized rats: mediation by serotonin2 receptors. Lenahan SE, et al. **Endocrinology** 1987 Apr;120(4):1498–502

Serotonergic terminals in the anterior hypothalamic nucleus involved in the prolactin release during suckling. Parisi MN, et al. **Endocrinology** 1987 Jun;120(6):2404–12

The stress of a novel environment reduces formalin pain: possible role of serotonin. Abbott FV, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):141–4

GABA–serotonergic interactions in the regulation of central sympathetic pathways. Harris LT, et al. **Eur J Pharmacol** 1986 Aug 22;128(1–2):133–6

Involvement of central serotonergic pathways in nefopam–induced antinociception. Hunskaar S, et al. **Eur J Pharmacol** 1987 Jun 12;138(1):77–82

Role of the dopaminergic nigrostriatal pathway in methamphetamine–induced depression of the neostriatal serotonergic system. Johnson M, et al. **Eur J Pharmacol** 1987 Mar 17;135(2):231–4

Antidepressant–like action of 5–HT1A agonists and conventional antidepressants in an animal model of depression. Kennett GA, et al. **Eur J Pharmacol** 1987 Feb 24;134(3):265–74

Single administration of 5–HT1A agonists decreases 5–HT1A presynaptic, but not postsynaptic receptor–mediated responses: relationship to antidepressant–like action. Kennett GA, et al. **Eur J Pharmacol** 1987 Jun 12; 138(1):53–60

MPP+ (1–methyl–4–phenylpyridine) is a neurotoxin to dopamine–, norepinephrine– and serotonin–containing neurons. Namura I, et al. **Eur J Pharmacol** 1987 Apr 7; 136(1):31–7

Increased gastric cholinergic activity evoked by 5–hydroxy–L–tryptophan in the rat. Sanger GJ, et al. **Eur J Pharmacol** 1986 Aug 15;127(3):179–85

Inhibition of serotonergic dorsal raphe neurons by systemic and iontophoretic administration of buspirone, a non–benzodiazepine anxiolytic drug. VanderMaelen CP, et al. **Eur J Pharmacol** 1986 Sep 23;129(1–2):123–30

Picrotoxin but not bicuculline antagonizes 5–hydroxytryptamine–induced inhibition of cerebellar Purkinje neurons. Lee M, et al. **Exp Neurol** 1987 Sep; 97(3):577–91

Modulation of postdecapitation convulsions in rats by alpha–adrenergic and 5–hydroxytryptamine1A agents. Peroutka SJ, et al. **Exp Neurol** 1987 May;96(2):344–51

Antagonism by methysergide of neurogenic vasoconstriction in the dog forelimb. Jandhyala BS, et al. **Fed Proc** 1987 Feb;46(2):276–80

Catecholaminergic primary sensory neurons: autonomic targets and mechanisms of transmitter regulation. Katz DM, et al. **Fed Proc** 1987 Jan;46(1):24–9 (23 ref.)

The failure of morphine to interact with serotonin on nucleus raphe magnus descending inhibition or morphine–induced suppression of cat spinal cord multireceptive neurones. Khanna S, et al. **Gen Pharmacol** 1987;18(3):287–92

Ritanserin, a serotonin–S2 receptor antagonist, does not prevent 5–hydroxytryptophan–induced beta–EP, beta–LPH and cortisol secretion. Facchinetti F, et al. **Horm Res** 1987;27(1):42–6

Involvement of serotonin in intestinal mastocytopoiesis and inflammation during a Trichinella spiralis infection in mice. Parmentier HK, et al. **Int Arch Allergy Appl Immunol** 1987; 83(1):31–8

Serotonin and haemorrheology. Dormandy JA. **Int J Cardiol** 1987 Feb;14(2):213–9

The 5–hydroxytryptamine system of blood platelets: physiology and pathophysiology. Pletscher A. **Int J Cardiol** 1987 Feb;14(2):177–88

Serotonin and the vascular wall. Vanhoutte PM. **Int J Cardiol** 1987 Feb;14(2):189–203

No effect of chronic fenfluramine on the P300 component of the event–related potential. Pritchard WS, et al. **Int J Neurosci** 1987 Jul;35(1–2):105–10

Dopamine and serotonin systems in human and rodent brain: effects of age and neurodegenerative disease. Morgan DG, et al. **J Am Geriatr Soc** 1987 Apr;35(4):334–45 (121 ref.)

Serotonergic neuron stimulation modulates thalamocortical glucose use in the conscious rat. Cudennec A, et al. **J Cereb Blood Flow Metab** 1987 Aug;7(4):502–6

Serotonin irritation syndrome [letter] Warner RR. **J Clin Psychiatry** 1987 May;48(5):217

Differential origin of brainstem serotoninergic projections to the midbrain periaqueductal gray and superior colliculus of the rat. Beitz AJ, et al. **J Comp Neurol** 1986 Aug 22; 250(4):498–509

A possible dual regulation of prolactin release by the serotoninergic system in rats at pro–oestrus and during late pregnancy: role of ovarian hormones. Jahn GA, et al. **J Endocrinol** 1987 Mar;112(3):367–74

Endocrine effects of 5–methoxytryptoline, 5–hydroxytryptoline and tryptoline, putative modulators of rat serotonergic system. Rovescalli AC, et al. **J Endocrinol Invest** 1987 Feb;10(1):65–72

Serotonin and the blood–vessel wall. Vanhoutte PM. **J Hypertens [Suppl]** 1986 Dec;4(5):S112–5 (29 ref.)

Role of serotonin in the regulation of human natural killer cell cytotoxicity. Hellstrand K, et al. **J Immunol** 1987 Aug 1;139(3):869–75

Effects of capsaicin on central monoaminergic mechanisms in the rat. Hajós M, et al. **J Neural Transm** 1986; 66(3–4):221–42

5–HT agonist induced analgesia modulated by central but not peripheral noradrenaline depletion in rats. Minor BG, et al. **J Neural Transm** 1986;66(3–4):243–59

Serotonergic influence on the growth hormone response to clonidine in rat. Söderpalm B, et al. **J Neural Transm** 1987; 69(1–2):105–14

Similar effect on REM sleep but differential effect on slow wave sleep of the two 5–HT uptake inhibitors zimeldine and alaproclate in cats and rats. Sommerfelt L, et al. **J Neural Transm** 1987;68(1–2):127–44

Convulsive activity of alpha–guanidinoglutaric acid and the possible involvement of 5–hydroxytryptamine in the alpha–guanidinoglutaric acid–induced seizure mechanism. Shiraga H, et al. **J Neurochem** 1986 Dec;47(6):1832–6

Microglia in the hypendyma of the rat subcommissural organ following brain lesion with serotonin neurotoxin. Stagaard M, et al. **J Neurocytol** 1987 Feb;16(1):131–42

In vivo electrophysiological evidence for the regulatory role of autoreceptors on serotonergic terminals. Chaput Y, et al. **J Neurosci** 1986 Oct;6(10):2796–801

Serotonin produces long–term changes in the excitability of Aplysia sensory neurons in culture that depend on new protein synthesis. Dale N, et al. **J Neurosci** 1987 Jul; 7(7):2232–8

Effects of coculture on the morphology of identified raphe and substantia nigra neurons from the embryonic rat brain. König N, et al. **J Neurosci Res** 1987;17(4):349–60

Denervation of serotonergic fibers in the hippocampus induced a trophic factor which enhances the maturation of transplanted serotonergic neurons but not norepinephrine neurons. Zhou FC, et al. **J Neurosci Res** 1987;17(3):235–46

Monoaminergic responses to spinal trauma. Participation of serotonin in posttraumatic progression of neural damage. Salzman SK, et al. **J Neurosurg** 1987 Mar;66(3):431–9

Involvement of specific receptors and calcium mechanisms in serotonergic contractile response of isolated cerebral and peripheral arteries from rats. Chang JY, et al. **J Pharmacol Exp Ther** 1987 Aug;242(2):629–36

Central and systemic morphine–induced antinociception in mice: contribution of descending serotonergic and noradrenergic pathways. Wigdor S, et al. **J Pharmacol Exp Ther** 1987 Jul;242(1):90–5

Thyrotrophin releasing hormone—5–hydroxytryptamine interactions in the brain studied using chronic immunization and chemical lesioning techniques. Bennett GW, et al. **J Recept Res** 1987;7(1–4):555–79

Acute hemodynamic effects of ketanserin in pulmonary hypertension secondary to systemic sclerosis. Seibold JR, et al. **J Rheumatol** 1987 Jun;14(3):519–24

Intraluminal release of serotonin during the interdigestive migrating complex in the canine small intestine. Ferrara A, et al. **J Surg Res** 1986 Sep;41(3):308–11

Participation of opiate and serotonergic systems in brain conditioning stimulatory inhibition of the potentials evoked by tooth pulp stimulation in the pars caudalis of the trigeminal sensory nucleus of the rat. Inoki R, et al. **Jpn J Pharmacol** 1986 Sep;42(1):51–61

The role of putative 5–HT1A and 5–HT1B receptors in the control of feeding in rats. Bendotti C, et al. **Life Sci** 1987 Aug 3;41(5):635–42

In vitro receptor specificity of the 5HT1A selective phenylpiperazine, LY165163. Cohen ML, et al. **Life Sci** 1986 Dec 22;39(25):2441–6

Naloxone reverses the serotonin dependent hypotensive action of CGP 6085 A. Goldstein DJ, et al. **Life Sci** 1987 Sep 14;41(11):1369–73

Multiple mechanisms of serotonergic signal transduction. Roth BL, et al. **Life Sci** 1987 Aug 31;41(9):1051–64 (102 ref.)

Effect of 5–HT2–selective agonists on cat platelet aggregation. Seggel MR, et al. **Life Sci** 1987 Aug 31; 41(9):1077–81

Role of 5–hydroxytryptamine in the uterotonic action of prostaglandin F2 alpha. Bandyopadhyay SK, et al. **Mater Med Pol** 1986 Sep–Dec;18(4):203–6

Serotoninergic structures and onset of the circadian corticosterone rhythm. Halász B, et al. **Monogr Neural Sci** 1986;12:148–52

Neuronal inhibition by the peptide FMRFamide involves opening of S K+ channels. Belardetti F, et al. **Nature** 1987 Jan 8–14;325(7000):153–6

A functional response to D1 dopamine receptor stimulation in the central nervous system: inhibition of the release of [3H]–serotonin from the rat substantia nigra. Benkirane S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):502–7

Effect of repeated amiflamine administration on serotonergic and noradrenergic neurotransmission: electrophysiological studies in the rat CNS. Blier P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Nov; 334(3):253–60

Changes in central serotoninergic transmission affect clonidine analgesia in monkeys. Lin MT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 May; 335(5):491–5

The serotonin/noradrenaline–link in brain. I. The role of noradrenaline and serotonin in the regulation of density and function of beta adrenoceptors and its alteration by desipramine. Manier DH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Feb; 335(2):109–14

Relation between yawning behavior and central serotonergic neuronal system in rats. Okuyama S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1987 Jun; 335(6):667–72

Evidence for multiple serotonergic influences on LH release in ovariectomized rats and for modulation of their relative effectiveness by estrogen. Lenahan SE, et al. **Neuroendocrinology** 1986;44(1):89–94

Differential effects of serotonin (5–HT1A and 5–HT2) agonists and antagonists on renin and corticosterone secretion. Lorens SA, et al. **Neuroendocrinology** 1987 Apr; 45(4):305–10

Evidence for a role of 5–hydroxytryptamine in the responses of rat raphe magnus neurones to peripheral noxious stimuli. Dickenson AH, et al. **Neuropharmacology** 1986 Aug; 25(8):863–8

Enhancement of clonidine–induced analgesia by lesions induced with spinal and intracerebroventricular administration of 5,7–dihydroxytryptamine. Duan J, et al. **Neuropharmacology** 1987 Apr;26(4):323–9

Serotonergic dorsal raphe neurons: subsensitivity to amphetamine with long–term treatment. Heidenreich BA, et al. **Neuropharmacology** 1987 Jul;26(7A):719–24

Influence of antipsychotics on presynaptic receptors modulating the release of dopamine in synaptosomes of the nucleus accumbens of rats. Hetey L, et al. **Neuropharmacology** 1986 Oct;25(10):1103–9

5–Hydroxytryptamine and noradrenaline uptake inhibition: studies on sleep in man. Nicholson AN, et al. **Neuropharmacology** 1986 Oct;25(10):1079–83

Serotonin mediates cardiovascular responses to acetylcholine, bradykinin, angiotensin II and norepinephrine in the lateral septal area of the rat brain. Pirola CJ, et al. **Neuropharmacology** 1987 Jun;26(6):561–6

Down–regulation of serotonin2, but not of beta–adrenergic receptors during chronic treatment with amitriptyline is independent of stimulation of serotonin2 and beta–adrenergic receptors. Scott JA, et al. **Neuropharmacology** 1986 Dec;25(12):1301–6

Buspirone decreases the activity of serotonin–containing neurons in the dorsal raphe in freely–moving cats. Trulson ME, et al. **Neuropharmacology** 1986 Nov;25(11):1263–6

The behavioural effects of intravenously administered tryptamine in mice. Yamada J, et al. **Neuropharmacology** 1987 Jan;26(1):49–53

Long–term lithium treatment causes serotonin receptor down–regulation via serotonergic presynapses in rat brain. Hotta I, et al. **Neuropsychobiology** 1986;16(1):19–26

Vasoactive intestinal polypeptide facilitates the late component of the 5–hydroxytryptamine–induced discharge in the cat superior cervical ganglion. Kawatani M, et al. **Neurosci Lett** 1987 Jan 2;73(1):59–64

Evidence for separate receptors that mediate parallel effects of serotonin and small cardioactive peptideB (SCPB) on adenylate cyclase in Aplysia californica. Ocorr KA, et al. **Neurosci Lett** 1986 Oct 8;70(2):283–8

5,7–Dihydroxytryptamine modifies excitability of rat dorsal raphe serotonergic neurons in vitro. Segal M. **Neurosci Lett** 1986 Nov 21;71(3):306–10

Target cell stimulation of dissociated serotonergic neurons

in culture. Azmitia EC, et al. **Neuroscience** 1987 Jan; 20(1):47–63

Effects of intracerebroventricular AF64A administration on cholinergic, serotoninergic and catecholaminergic circuitry in rat dorsal hippocampus. Gaál G, et al. **Neuroscience** 1986 Dec;19(4):1197–205

Studies on the mesolimbic loop of antinociception—II. A serotonin–enkephalin interaction in the nucleus accumbens. Xuan YT, et al. **Neuroscience** 1986 Oct;19(2):403–9

Neurochemical and behavioral consequences of mild, uncontrollable shock: effects of PCPA. Edwards E, et al. **Pharmacol Biochem Behav** 1986 Aug;25(2):415–21

Separation of dopaminergic and serotonergic inhibitory mechanisms in the mediation of estrogen–induced lordosis behaviour in the rat. Fernández–Guasti A, et al. **Pharmacol Biochem Behav** 1987 May;27(1):93–8

Brain serotonin depletion and nipple attachment in rat pups. Lesbem M, et al. **Pharmacol Biochem Behav** 1987 May; 27(1):7–14

Monoamine and opioid interactions in spinal analgesia and tolerance. Loomis CW, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):445–51

Inhibition of mouse killing behavior by serotonin–mimetic drugs: effects of partial alterations of serotonin neurotransmission. Molina V, et al. **Pharmacol Biochem Behav** 1987 May;27(1):123–31

Prenatal stress increases the behavioral response to serotonin agonists and alters open field behavior in the rat. Peters DA. **Pharmacol Biochem Behav** 1986 Oct;25(4):873–7

A role for serotonin and beta–endorphin in the analgesia induced by some tricyclic antidepressant drugs. Sacerdote P, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):153–8

Evidence against serotonin involvement in the hyperactivity produced by injections of muscimol into the median raphe nucleus. Wirtshafter D, et al. **Pharmacol Biochem Behav** 1987 May;27(1):45–52

Joint cholinergic–serotonergic control of neocortical and hippocampal electrical activity in relation to behavior: effects of scopolamine, ditran, trifluoperazine and amphetamine. Vanderwolf CH, et al. **Physiol Behav** 1986; 38(1):57–65

The influence of insulin on 5–methoxytryptamine–induced wet dog shake behavior in rats. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 1986 Sep–Dec;38(5–6):443–8

Serotonin initiates and autoamplifies its own synthesis during mouse central nervous system development. De Vitry F, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8629–33

Peripheral neural serotonin receptors: identification and characterization with specific antagonists and agonists. Mawe GM, et al. **Proc Natl Acad Sci USA** 1986 Dec; 83(24):9799–803

Suanzaorentang, and anxiolytic Chinese medicine, affects the central adrenergic and serotonergic systems in rats. Hsieh MT, et al. **Proc Natl Sci Counc Repub China [B]** 1986 Oct; 10(4):263–8

Involvement of the periaqueductal gray matter and serotonin in the analgesia produced by stimulation of the nucleus tractus solitarius. Lohof AM, et al. **Proc West Pharmacol Soc** 1987;30:267–8

ACTH neuropeptide stimulation of serotonergic neuronal maturation in tissue culture: modulation by hippocampal cells. Azmitia EC, et al. **Prog Brain Res** 1987;72:311–8

The dopamine and serotonin systems during aging in human and rodent brain. A brief review. Morgan DG. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2–3):153–7

Diazepam alters brain 5–HT function in man: implications for the acute and chronic effects of benzodiazepines. Nutt DJ, et al. **Psychol Med** 1987 Aug;17(3):601–7

Antidepressant monoamine oxidase inhibitors enhance serotonin but not norepinephrine neurotransmission. Blier P, et al. **Psychopharmacol Ser** 1987;3:127–34 (30 ref.)

Regulation of beta adrenergic and serotonin–S2 receptors in brain by electroconvulsive shock and serotonin. Kellar KJ, et al. **Psychopharmacol Ser** 1987;3:99–106 (31 ref.)

Benzodiazepine–serotonin interactions in man. Nutt DJ, et al. **Psychopharmacol Ser** 1987;3:72–6

Rats and marmosets respond differently to serotonin agonists and antagonists. Campos MF, et al. **Psychopharmacology (Berlin)** 1987;92(4):478–83

Serotonin function in anxiety. II. Effects of the serotonin agonist MCPP in panic disorder patients and healthy subjects. Charney DS, et al. **Psychopharmacology (Berlin)** 1987;92(1):14–24

Lesions of the serotonergic system impair the facilitation of but not the tolerance to the effects of chronic clenbuterol administration. Frances H, et al. **Psychopharmacology (Berlin)** 1987;91(4):496–9

The effect of lithium on 5–HT–mediated neuroendocrine responses and platelet 5–HT receptors. Glue PW, et al. **Psychopharmacology (Berlin)** 1986;90(3):398–402

Attenuation by electroconvulsive shock and antidepressant drugs of the 5–HT1A receptor–mediated hypothermia and serotonin syndrome produced by 8–OH–DPAT in the rat. Goodwin GM, et al. **Psychopharmacology (Berlin)** 1987; 91(4):500–5

Suppression of the hypo– and hyperthermic responses to 5–HT agonists following the repeated administration of monoamine oxidase inhibitors. Gudelsky GA, et al. **Psychopharmacology (Berlin)** 1986;90(3):403–7

A study of the possible influence of central 5–HT function on clonidine–induced hypoactivity responses in mice. Heal DJ, et al. **Psychopharmacology (Berlin)** 1987;92(2):219–23

Evidence that the amygdala is involved in benzodiazepine and serotonergic effects on punished responding but not on discrimination. Hodges H, et al. **Psychopharmacology (Berlin)** 1987;92(4):491–504

The role of the aural head shake reflex in serotonin–mediated head shaking behavior. Lucki I, et al. **Psychopharmacology (Berlin)** 1987;92(2):150–6

Effect of dihydroergosine (DHESN) on the serotoninergic system and behaviour: is DHESN a new antidepressive agent? Perićić D, et al. **Psychopharmacology (Berlin)** 1986; 90(1):112–8

Ventilatory adaptation to hypoxia occurs in serotonin–depleted rats. Olson EB Jr. **Respir Physiol** 1987 Aug;69(2):227–35

Increased numbers of ion channels promoted by an intracellular second messenger. Gunning R. **Science** 1987 Jan 2;235(4784):80–2

[The role of 5–HT in the electroneedling suppression of penicillin–induced epileptiform discharges] Ma JY, et al. **Sheng Li Hsueh Pao** 1986 Aug;38(4):377–82 (Eng. Abstr.) **(Chi)**

[Effects of serotonin on the sympathetic pre– and post–ganglionic neurons] Ma RC. **Sheng Li Ko Hsueh Chin Chan** 1986 Oct;17(4):360–3 (31 ref.) **(Chi)**

[Specific lesions of serotoninergic cells in the raphe. Effect on kindling of the olfactory bulb in rats] Torrès JH, et al. **C R Soc Biol (Paris)** 1986;180(5):530–7 (Eng. Abstr.) **(Fre)**

[The role of serotonin in the behavioral changes induced in the rat by cyclazocine] Gavend MR, et al. **J Pharmacol** 1986 Oct–Dec;17(4):601–14 (Eng. Abstr.) **(Fre)**

[Neonatal administration of 5,7–dihydroxytryptamine induces in the adult rat a decrease in paradoxical sleep restored by an intracisternal injection of fetal raphe cells] Glin L, et al. **Rev Electroencephalogr Neurophysiol Clin** 1986 Oct; 16(3):273–82 (Eng. Abstr.) **(Fre)**

[Nucleus tractus solitarius, serotonin and regulation of vigilance] Puizillout JJ. **Rev Electroencephalogr Neurophysiol Clin** 1986 Jul; 16(2):95–106 (107 ref.) (Eng. Abstr.) **(Fre)**

[Desipramine–induced down regulation of beta–adrenergic receptors: effects of noradrenergic and serotonergic neuronal activities and of alpha 2–adrenergic receptor mediated mechanisms] Matsubara S. **Hokkaido Igaku Zasshi** 1987 Mar;62(2):301–10 (Eng. Abstr.) **(Jpn)**

[Role of serotonin in the pathogenesis of arterial hypertension] Wąsowska–Ciszek T, et al. **Pol Tyg Lek** 1986 Jul 21–28;41(29–30):945–7 (21 ref.) **(Pol)**

[The serotoninergic component in the mechanism of the development of neurogenic damage to the stomach] Zavodskaia IS, et al. **Farmakol Toksikol** 1987 Jan–Feb; 50(1):77–80 (Eng. Abstr.) **(Rus)**

[Reflection of changes in serotonin synthesis on transcapillary protein exchange and lymph formation] Ainson KhKh, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1319–23 (Eng. Abstr.) **(Rus)**

[Effect of continuous illumination and disruption of monoaminergic innervation on the hypothalamus of the female rat] Danilova OA, et al. **Fiziol Zh SSSR** 1987 Jan; 73(1):8–12 (Eng. Abstr.) **(Rus)**

[Reception of sucrose in the small intestine after monoamine oxidase and beta–adrenoreceptor block] Itina LV. **Fiziol Zh SSSR** 1987 Jan;73(1):103–10 (Eng. Abstr.) **(Rus)**

[Effect of 5,6–hydroxytryptamine and various light schedules on the hypothalamo–hypophyseo–gonadal system of the female rat] Savchenko ON, et al. **Fiziol Zh SSSR** 1987 Apr; 73(4):480–2 (Eng. Abstr.) **(Rus)**

[Serotoninergic effects in the early ontogenesis of the cat are effected in the neocortex by inhibitory interneurons] Raevskiĭ VV. **Zh Vyssh Nerv Deiat** 1987 Mar–Apr; 37(2):362–4 **(Rus)**

[Central mechanisms of vomiting: the effect of histamine, 5–hydroxytryptamine, noradrenaline, nicotine and morphine] Beleslin D, et al. **Glas Srp Akad Nauka [Med]** 1985;(37):169–84 (Eng. Abstr.) **(Scc)**

[Serotonergic mechanisms in arterial hypertension. Physiological aspects] Basso N. **Medicina (B Aires)** 1985; 45(4):429–36 (53 ref.) **(Spa)**

[Blood pressure regulation by the interaction of the central serotonergic system with other neurotransmitters] Nahmod VE. **Medicina (B Aires)** 1985;45(4):442–6 **(Spa)**

SECRETION

Release of serotonin in structures containing serotoninergic nerve cell bodies: dorsalis raphe nucleus and nodose ganglia of the cat. Hery F, et al. **Ann NY Acad Sci** 1986;473:239–55

Separable function of platelet release reaction and clot retraction. Yatomi Y, et al. **Biochem Biophys Res Commun** 1986 Oct 15;140(1):329–34

Release of endogenous monoamines into spinal cord superfusates following the microinjection of phentolamine into the nucleus raphe magnus. Sagen J, et al. **Brain Res** 1987 Mar 17;406(1–2):246–54

Tachykinin regulation of serotonin release: enhancement of [3H]serotonin release from rat cerebral cortex by neuromedin K and substance P acting at distinct receptor sites. Solti M, et al. **Brain Res** 1987 Jan 20;401(2):377–80

Determination of neurotransmitter release into the caudate nucleus during convulsions induced by pentylenetetrazole using in vivo differential pulse voltammetry. Yokoi I, et al. **Brain Res** 1986 Oct 22;385(2):212–8

Dicyclomine– and pirenzepine–sensitive muscarinic receptors mediate inhibition of [3H]serotonin release in different rat brain areas. Marchi M, et al. **Eur J Pharmacol** 1986 Oct 7;129(3):353–7

Cholinergic modulation of the release of serotonin in the gastric interstitial fluid. An in vivo study in rabbits. Pairet M, et al. **Gastroenterology** 1986 Nov;91(5):1250–7

Endogenous serotonin release from rat cerebellar slices. Velazquez A, et al. **Gen Pharmacol** 1987;18(4):445–8

The control of mediator release from RBL–2H3 cells: roles for Ca2+, Na+, and protein kinase C1. Stump RF, et al. **J Immunol** 1987 Aug 1;139(3):881–6

Synthesis and biochemical studies of analogs of platelet–activating factor bearing a methyl group at C2 of the glycerol backbone. Bittman R, et al. **J Lipid Res** 1987 Jun;28(6):733–8

A carrier for GABA uptake exists on noradrenaline nerve endings in selective rat brain areas but not on serotonin terminals. Bonanno G, et al. **J Neural Transm** 1987; 69(1–2):59–70

Potentiation of phencyclidine–induced dopamine–dependent behaviors in rats after pretreatments with serotonin–depletors. Yamaguchi K, et al. **J Pharmacobiodyn** 1986 May;9(5):479–89

Vagal release of serotonin into gut lumen and portal circulation via separate control mechanisms. Grönstad KO, et al. **J Surg Res** 1987 Sep;43(3):205–10

Adrenergic control of serotonin release from carcinoid tumor cells in vitro and in vivo. Grönstad KO, et al. **J Surg Res** 1987 Feb;42(2):141–6

Pharmacological characterization of presynaptic alpha–adrenoceptors in the modulation of the 5–hydroxytryptamine release from vascular adrenergic nerves in the rat. Kawasaki H, et al. **Jpn J Pharmacol** 1986 Dec;42(4):561–70

Endogenous dopamine and serotonin release from the explanted rat tuberohypophyseal system: effects of electrical stimulation and neurotensin. Davis MD, et al. **Life Sci** 1987 May 11;40(19):1869–74

Effects of K+–stimulation and precursor loading on the in vivo release of dopamine, serotonin and their metabolites in the nucleus accumbens of the rat. Guan XM, et al. **Life Sci** 1987 Jun 29;40(26):2579–86

Potentiation by deprenyl of the autoreceptor–mediated inhibition of [3H]–5–hydroxytryptamine release by 5–methoxytryptamine. Galzin AM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Jul; 333(3):330–3

Does dietary tryptophan influence serotonin release from brain neurons? **Nutr Rev** 1987 Mar;45(3):87–9 (8 ref.)

Effect of neuroactive peptides on labeled 5–hydroxytryptamine release from rat spinal cord. Tsai HY. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):161–7

Platelet aggregation and endogenous 5–HT secretion in presence of Ca2+, Sr2+ and Ba2+. Effects of calcium antagonists. Blache D, et al. **Thromb Res** 1987 Jun 15; 46(6):779–91

[Mechanism of mobilization of biogenic amines from rat mast cells in radiation protected conditions] Goncharenko EN, et al. **Radiobiologiia** 1986 Sep–Oct;26(5):631–6 (Eng. Abstr.) **(Rus)**

[Secretion of 5–hydroxytryptamine after administration of protamine sulfate in heart surgery and carotid endarterectomy] Pajuelo A, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):408–13 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Potentiation of RSU–1069 tumour cytotoxicity by 5–hydroxytryptamine (5–HT). Chaplin DJ. **Br J Cancer** 1986 Nov;54(5):727–31

URINE

[Changes in urinary serotonin in subjects treated with calcitonin] Carrozzo M, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):155–8 (Eng. Abstr.) **(Fre)**

SEROTONIN ANTAGONISTS

Biochemical and physiological evidences for antiserotonergic properties of naftidrofuryl. Maloteaux JM, et al. **Arzneimittelforschung** 1986 Aug;36(8):1194–8

Inhibition of constriction of cerebral arterioles in vivo by naftidrofuryl. Action against serotonin and dinoprost. Rosenblum WI. **Arzneimittelforschung** 1987 May; 37(5):495–7

Stereospecific inhibition of 5–HT–induced increase of intracellular free calcium by (+)– and (–)–desmethoxyverapamil in human platelets. Bruns C, et al. **Br J Pharmacol** 1986 Mar;87(3):481–2

Lack of effect of antagonists on serotonin–induced inhibition in rat hippocampus. Penington NJ, et al. **Can J Physiol Pharmacol** 1986 Nov;64(11):1413–8

8–OH–DPAT is a strong antagonist of 5–HT action in rat hippocampus. Colino A, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):151–2

Verapamil inhibition of 5-hydroxytryptamine (5HT) uptake in rat platelets. Pietraszek MH, et al. **Eur J Pharmacol** 1987 Jun 4;137(2-3):273-5

Effects of pinacidil on serotonin-induced contractions and cyclic nucleotide levels in isolated rat aortae: comparison with nitroglycerin, minoxidil, and hydralazine. Kauffman RF, et al. **J Cardiovasc Pharmacol** 1986 Nov-Dec; 8(6):1195-200

The lack of antidepressant properties and a potent central antiserotonin activity of Org 8282. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1986 Jul-Aug;38(4):377-84

Flumezapine, an antagonist of central dopamine and serotonin receptors. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1986 Oct;54(1):23-34

ADVERSE EFFECTS

Adverse reaction to 5-HT3 antagonist ICS 205930 [letter] Coupe M. **Lancet** 1987 Jun 27;1(8548):1494

ANALYSIS

Gas chromatographic-mass spectrometric analysis and preliminary human pharmacokinetics of sertraline, a new antidepressant drug. Fouda HG, et al. **J Chromatogr** 1987 Jun 5;417(1):197-202

METABOLISM

Endosulfan induced inhibition of 3H-5-hydroxytryptamine uptake in platelets. Anand M, et al. **Toxicol Lett** 1986 Sep; 32(3):203-8

PHARMACODYNAMICS

Influence of serotonin, serotonin antagonists, some vasoactive substances and temperature on carrageenin-induced tail thrombosis in rats and mice. Bekemeier H, et al. **Agents Actions** 1986 Aug;18(5-6):581-5

Suppression of immune response in rats by stress and drugs interfering with metabolism of serotonin. Boranić M, et al. **Ann NY Acad Sci** 1987;496:485-91

Antagonistic effect of ketanserin on vasoconstrictor responses to serotonin in isolated canine skin artery. Ito T, et al. **Arch Dermatol Res** 1987;279(3):211-2

Behavioral effects and general pharmacology of 4-(5-chloro-benzofuranyl-2)-1-methylpiperidine HCl, an antidepressant inhibiting both monoamine oxidase A and 5-hydroxytryptamine uptake. Ortmann R, et al. **Arzneimittelforschung** 1986 Dec;36(12):1727-32

Melatonin and cortisol increase after fluvoxamine [letter] Demisch K, et al. **Br J Clin Pharmacol** 1986 Nov; 22(5):620-2

Activation of 5-HT3 receptor subtypes causes rapid excitation of rabbit parasympathetic neurones. Akasu T, et al. **Br J Pharmacol** 1987 Jul;91(3):453-5

In vivo and in vitro activity of selective 5-hydroxytryptamine2 receptor antagonists. Conolan S, et al. **Br J Pharmacol** 1986 Sep;89(1):129-35

The effect of GR38032F, novel 5-HT3-receptor antagonist on gastric emptying in the guinea-pig. Costall B, et al. **Br J Pharmacol** 1987 Jun;91(2):263-4

Effect of chronic treatment with 5-HT1 agonist (8-OH-DPAT and RU 24969) and antagonist (isapirone) drugs on the behavioural responses of mice to 5-HT1 and 5-HT2 agonists. De Souza RJ, et al. **Br J Pharmacol** 1986 Oct;89(2):377-84

Increased gut cholinergic activity and antagonism of 5-hydroxytryptamine M-receptors by BRL 24924: potential clinical importance of BRL 24924. Sanger GJ. **Br J Pharmacol** 1987 May;91(1):77-87

5-HT2 antagonists reduce ON responses in the rabbit retina. Brunken WJ, et al. **Brain Res** 1986 Oct 1;384(1):161-5

Is there a serotonergic tonic descending inhibition on the responses of dorsal horn convergent neurons to C-fibre inputs? Rivot JP, et al. **Brain Res** 1987 Feb 10;403(1):142-6

Role of 5-hydroxytryptamine receptors to narcotic-induced reduction in gastrointestinal transit in rats. Dhasmana KM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):499-503

The serotonin uptake inhibitor citalopram attenuates ethanol intake. Naranjo CA, et al. **Clin Pharmacol Ther** 1987 Mar; 41(3):266-74

Fluvoxamine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in depressive illness. Benfield P, et al. **Drugs** 1986 Oct; 32(4):313-34 (62 ref.)

Effect of the 5-HT3 receptor antagonist, GR38032F, on responses to injection of a neurokinin agonist into the ventral tegmental area of the rat brain. Hagan RM, et al. **Eur J Pharmacol** 1987 Jun 19;138(2):303-5

Evidence for serotonin-S2 receptor involvement in analgesia in humans. Sandrini G, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):311-4

The recovery of maturing brain from acute citalopram exposure. Baker PC, et al. **Gen Pharmacol** 1987;18(1):35-6

Pharmacologic properties of serotonergic agents and antidepressant drugs. Fuller RW. **J Clin Psychiatry** 1987 Mar;48 Suppl:5-11

Inhibition of melanization in human melanoma cells by a serotonin uptake inhibitor. McEwan M, et al. **J Invest Dermatol** 1987 Jul;89(1):82-6

Indazoles as indole bioisosteres: synthesis and evaluation of the tropanyl ester and amide of indazole-3-carboxylate as antagonists at the serotonin 5HT3 receptor. Fludzinski P, et al. **J Med Chem** 1987 Sep;30(9):1535-7

Conformationally rigid dopamine analogues as inhibitors of dopamine and 5-hydroxytryptamine uptake by synaptosomes. Tuomisto J, et al. **J Neural Transm** 1987; 68(3-4):191-6

Studies on thyrotropin-releasing hormone-induced micturition in cats. Beleslin DB, et al. **J Pharm Pharmacol** 1987 Jun;39(6):474-6

Modification of electrical field stimulation-induced contractions in the guinea-pig ileum by metoclopramide and ICS 205-930 depends on the integrity of the mucosa. Costall B, et al. **J Pharm Pharmacol** 1986 Nov;38(11):811-4

Resultant pharmacological actions of verapamil: quantification of competitive 5-hydroxytryptamine antagonism in combination with calcium antagonism. Leff P, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):284-7

Opposite regulation of serotonin-S2 and dopamine-D2 receptors in rat brain following chronic receptor blockade. Leysen JE, et al. **J Recept Res** 1987;7(1-4):223-39

Naloxone reverses the serotonin dependent hypotensive action of CGP 6085 A. Goldstein DJ, et al. **Life Sci** 1987 Sep 14;41(11):1369-73

Effects of combinations of 5-hydroxytryptamine receptor antagonists on 5-HT-induced human platelet aggregation. Bevan J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1986 Dec;334(4):341-5

Differential effects of serotonin (5-HT1A and 5-HT2) agonists and antagonists on renin and corticosterone secretion. Lorens SA, et al. **Neuroendocrinology** 1987 Apr; 45(4):305-10

Selective desensitization of serotonin (5-HT) receptor-mediated hyperthermia by mianserin and other 5-HT antagonists. Gudelsky GA, et al. **Neuropharmacology** 1987 Jul;26(7A):707-12

Further studies on the blockade of 5-HT depolarizations of rabbit vagal afferent and sympathetic ganglion cells by MDL 72222 and other antagonists. Round A, et al. **Neuropharmacology** 1987 Jan;26(1):39-48

5-Hydroxytryptamine antagonists and the 5-methoxy-N,N-dimethyltryptamine-induced changes of postdecapitation convulsions. Archer T. **Pharmacol Toxicol** 1987 Jan;60(1):37-42

Effects of serotonin and noradrenaline uptake blockers on wakefulness and sleep in cats. Hilakivi I, et al. **Pharmacol Toxicol** 1987 Mar;60(3):161-6

Recent advances in central 5-hydroxytryptamine receptor agonists and antagonists. Arvidsson LE, et al. **Prog Drug Res** 1986;30:365-471 (505 ref.)

Differential regulation of dopamine-D2 and serotonin-S2 receptors by chronic treatment with the serotonin-S2 antagonists, ritanserin, and setoperone. Leysen JE, et al. **Psychopharmacol Ser** 1987;3:214-24

Enhancement of the memory of a previously learned aversive habit following pre-test administration of a variety of serotonergic antagonists in mice. Altman HJ, et al. **Psychopharmacology (Berlin)** 1986;90(1):24-7

Rats and marmosets respond differently to serotonin agonists and antagonists. Campos MF, et al. **Psychopharmacology (Berlin)** 1987;92(4):478-83

Effect of the selective 5-HT3 receptor antagonists ICS 205-930 and MDL 72222 on 5-HTP-induced head shaking and behavioral symptoms induced by 5-methoxy-N,N,dimethyltryptamine in rats: comparison with some other 5-HT receptor antagonists. Shearman GT, et al. **Psychopharmacology (Berlin)** 1987;92(4):520-3

[Serotonin and cardiovascular regulation: new aspects of hypertension. Satellite symposium of the Second European Meeting on Hypertension. Milan, 9 June 1985] **Med Klin [Suppl]** 1985;1:1-16 **(Ger)**

THERAPEUTIC USE

Ritanserin (R 55667) an original thymosthenic. Hoppenbrowers ML, et al. **Boll Chim Farm** 1986 Dec; 125(12):136S-147S (24 ref.)

Remission of symptoms in carcinoid syndrome with a new 5-hydroxytryptamine M receptor antagonist. Anderson JV, et al. **Br Med J [Clin Res]** 1987 May 2;294(6580):1129

The effect of zimelidine, a serotonin-reuptake blocker, on cataplexy and daytime sleepiness of narcoleptic patients. Godbout R, et al. **Clin Neuropharmacol** 1986;9(1):46-51

Effects of citalopram, a specific serotonin uptake inhibitor, in tardive dyskinesia and parkinsonism. Korsgaard S, et al. **Clin Neuropharmacol** 1986;9(1):52-7

5-HT reuptake inhibitors in healthy human subjects. Netter P. **Clin Neuropharmacol** 1986;9 Suppl 4:162-4

Effects of serotonergic and anticholinergic drugs in haloperidol-induced dystonia in Cebus monkeys. Povlsen UJ, et al. **Clin Neuropharmacol** 1986;9(1):84-90

Serotonin and haemorrheology. Dormandy JA. **Int J Cardiol** 1987 Feb;14(2):213-9

Serotonin S2 receptors blockage and generalized anxiety disorders. A double-blind study on ritanserin and lorazepam. Bressa GM, et al. **Int J Clin Pharmacol Res** 1987;7(2):111-9

Clinical experience with serotonin reuptake inhibiting antidepressants. Mendels J. **J Clin Psychiatry** 1987 Mar;48 Suppl:26-30 (15 ref.)

5-HT3 receptor antagonists: a new class of antiemetics [editorial] **Lancet** 1987 Jun 27;1(8548):1470-1

Prevention of emesis in patients receiving cytotoxic drugs by GR38032F, a selective 5-HT3 receptor antagonist. Cunningham D, et al. **Lancet** 1987 Jun 27;1(8548):1461-3

First results with ICS 205-930 (5-HT3 receptor antagonist) in prevention of chemotherapy-induced emesis [letter] Leibundgut U, et al. **Lancet** 1987 May 23;1(8543):1198

Computerized EEG correlates of depression and antidepressant treatment. Knott VJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2-3):213-21

Therapeutic effect of selective 5HT reuptake inhibitors in comparison with tricyclic antidepressants. Kragh-Sørensen P, et al. **Psychopharmacol Ser** 1987;3:147-56 (46 ref.)

Ketanserin versus placebo in carcinoid syndrome. A clinical controlled trial. Gustafsen J, et al. **Scand J Gastroenterol** 1986 Sep;21(7):816-8

Failure of central nervous system serotonin blockage to influence outcome in acute cerebral infarction. A double blind randomized trial. Ramirez-Lessepas M, et al. **Stroke** 1986 Sep-Oct;17(5):953-6

[Effects of 5-hydroxytryptamine on various cardiovascular diseases] Xia Y, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Feb;67(2):115-7 (26 ref.) **(Chi)**

[The group of selective antidepressants, serotonin reuptake inhibitors] Rigal J. **Ann Med Psychol (Paris)** 1986 Apr; 144(4):422-9 **(Fre)**

TOXICITY

Safety evaluation of ritanserin--an investigational serotonin antagonist. Barone JA, et al. **Drug Intell Clin Pharm** 1986 Oct;20(10):770-5

SEROTONIN BLOCKADERS see **SEROTONIN ANTAGONISTS**

SEROTONIN RECEPTORS see **RECEPTORS, SEROTONIN**

SEROTYPING

The relationship between immunodiffusion and agglutination serotypes of Mycobacterium avium and Mycobacterium intracellulare. McIntyre G, et al. **Eur J Respir Dis** 1986 Sep;69(3):135-41

INSTRUMENTATION

[A new form of diagnostic preparations--immunoindicator pencils] Nikitin VM, et al. **Lab Delo** 1986;(7):438-40 (Eng. Abstr.) **(Rus)**

METHODS

An alternative approach to typing of Streptococcus pneumoniae strains by coagglutination. Smart LE, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1986 Dec; 94(6):409-13

[Serotyping Neisseria gonorrhoeae] Kohl PK, et al. **Hautarzt** 1987 Jan;38(1):4-9 (Eng. Abstr.) **(Ger)**

[Development of serological identification of slowly growing mycobacteria with alpha antigen as a marker] Tasaka H. **Kekkaku** 1986 Dec;61(12):663-9 (Eng. Abstr.) **(Jpn)**

[A serogrouping scheme for Campylobacter jejuni by the slide agglutination method with formation-treated antigens] Saito K, et al. **Nippon Saikingaku Zasshi** 1987 Mar;42(2):499-512 (Eng. Abstr.) **(Jpn)**

[A molecular biology method of typing the thermolabile enterotoxin determinants of Proteus strains isolated from acute intestinal infections] Bondarenko VM, et al. **Lab Delo** 1987;(4):289-91 (Eng. Abstr.) **(Rus)**

SEROUS MEMBRANE

BLOOD SUPPLY

Intestinal arteriolar responses to mucosal and serosal applications of adenosine analogues. Proctor KG. **Circ Res** 1987 Aug;61(2):187-93

CYTOLOGY

Genes encoding proteins with homologous contiguous repeat sequences are highly expressed in the serous cells of the rat submandibular gland. Heinrich G, et al. **J Biol Chem** 1987 Apr 15;262(11):5262-70

ENZYMOLOGY

Secretion of lingual lipase and amylase from rat lingual serous glands. Field RB, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):G217-25

METABOLISM

Kinetic analysis of zinc uptake and serosal transfer by vascularly perfused rat intestine. Hoadley JE, et al. **Am J Physiol** 1987 Jun;252(6 Pt 1):G825-31

Origin of transport inhibition after omission of serosal sodium. Nagel W. **Am J Physiol** 1987 Jun;252(6 Pt 1):C623-9

PHYSIOPATHOLOGY

The influence of celomic membranes and a tunnel between celomic cavities on cancer metastasis in poultry. Kajigaya H, et al. **Avian Dis** 1987 Jan-Mar;31(1):176-86

RADIATION EFFECTS

Unique radiosensitivity of serous cells in rhesus monkey

submandibular glands. Stephens LC, et al. **Am J Pathol** 1986 Sep;124(3):479–87

TRANSPLANTATION

[The surgical treatment of cutaneous duodenal fistulas: the modified intestinal seromuscular patch] Li JS, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):520–2, 572 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Serosal tissue: reactive tissue as a model for understanding mesotheliomas. Bolen JW, et al. **Ultrastruct Pathol** 1987; 11(2–3):251–62

[Serosa typing in gastric cancer and its significance] Chen JQ. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):736–8, 776 (Eng. Abstr.) **(Chi)**

SERRATIA

Autopsy findings of Serratia meningoencephalitis in infants. Ariel I, et al. **Pediatr Pathol** 1986;6(2–3):351–8

CLASSIFICATION

Reliability of the colistin disk test in identification of Serratia marcescens and Serratia liquefaciens. von Graevenitz A, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):70–1

ENZYMOLOGY

Human fibroblast collagenase contains an amino acid sequence homologous to the zinc-binding site of Serratia protease. McKerrow JH. **J Biol Chem** 1987 May 5; 262(13):5943

GENETICS

A broad-host-range expression vector based on the pL promoter of coliphage lambda: regulated synthesis of human interleukin 2 in Erwinia and Serratia species. Leemans R, et al. **J Bacteriol** 1987 May;169(5):1899–904

GROWTH & DEVELOPMENT

Persistence of Serratia marcescens, Serratia liquefaciens and E. coli in solutions for contact lenses. Parment PA, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):456–62

ISOLATION & PURIFICATION

Serratia plymuthica sepsis associated with infection of central venous catheter. Horowitz HW, et al. **J Clin Microbiol** 1987 Aug;25(8):1562–3

SERRATIA MARCESCENS

The emergence of Serratia marcescens as a pathogen in a newborn unit. Wake C, et al. **Aust Paediatr J** 1986 Nov; 22(4):323–6

Marsupialization of an abdominal abscess caused by Serratia marcescens in a mare. Rigg DL, et al. **J Am Vet Med Assoc** 1987 Jul 15;191(2):222–4

"Fatal Serratia marcescens infection of the neck in acute leukemia". Barrett AP. **J Oral Med** 1986 Jul–Sep; 41(3):138–40

[Serratia marcescens septicemia. Comments on 6 cases] Tansanu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jan–Mar;90(1):31–4 (Eng. Abstr.) **(Rum)**

CLASSIFICATION

Reliability of the colistin disk test in identification of Serratia marcescens and Serratia liquefaciens. von Graevenitz A, et al. **Eur J Clin Microbiol** 1987 Feb;6(1):70–1

Modification of Grimont biotyping system for epidemiologic studies with nosocomial Serratia marcescens isolates. Sifuentes-Osornio J, et al. **J Clin Microbiol** 1987 Mar; 25(3):567–8

Serotyping of Serratia marcescens using passive haemagglutination. Guinée PA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Apr; 264(1–2):105–19

[O-serotypes, biochemical properties and antimicrobial susceptibility of Serratia marcescens isolates from clinical specimens] Marumo K, et al. **Rinsho Byori** 1987 May; 35(5):555–60 **(Jpn)**

DRUG EFFECTS

Antibiotic resistance: a local hospital or community problem. File TM Jr, et al. **Bull NY Acad Med** 1987 Apr;63(3):231–6

Synergy of imipenem—a novel carbapenem, and rifampin and ciprofloxacin against Pseudomonas aeruginosa, Serratia marcescens and Enterobacter species. Chin NX, et al. **Chemotherapy** 1987;33(3):183–8

Outer membrane protein alterations in Serratia marcescens resistant against aminoglycoside and beta-lactam antibiotics. Traub WH, et al. **Chemotherapy** 1987; 33(3):172–6

Drug resistance, R plasmids and pigmentation of Serratia marcescens isolated in Taiwan. Ding MJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1987 Feb;20(1):69–79

Evaluation of the skin disinfecting activity and cumulative effect of chlorhexidine and triclosan handwash preparations on hands artificially contaminated with Serratia marcescens. Bartzokas CA, et al. **Infect Control** 1987 Apr; 8(4):163–7

ENZYMOLOGY

Properties of a class C beta-lactamase from Serratia marcescens. Joris B, et al. **Biochem J** 1986 Nov 1; 239(3):581–6

Antitumor activity of some bacterial proteases: eradication of solid tumors in mice by intratumor injection. Maeda H, et al. **Cancer Res** 1987 Jan 15;47(2):563–6

Internalization of serratial protease into cells as an enzyme-inhibitor complex with alpha 2-macroglobulin and regeneration of protease activity and cytotoxicity. Maeda H, et al. **J Biol Chem** 1987 Aug 15;262(23):10946–50

Interactions of purified Serratia marcescens metalloproteases with fresh human serum and with purified human serum proteins. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):561–71

[Epidemiologic study on the prevalence of Enterobacter, Serratia and Pseudomonas strains, producers of cefoxitin-inducible beta-lactamases] Marone P, et al. **Boll Ist Sieroter Milan** 1986;65(5):368–73 (Eng. Abstr.) **(Ita)**

GENETICS

Characterization of genes encoding type 1 fimbriae of Klebsiella pneumoniae, Salmonella typhimurium, and Serratia marcescens. Clegg S, et al. **Infect Immun** 1987 Feb; 55(2):281–7

Identification of the Serratia marcescens hemolysin determinant by cloning into Escherichia coli. Braun V, et al. **J Bacteriol** 1987 May;169(5):2113–20

Comparison of dnaA nucleotide sequences of Escherichia coli, Salmonella typhimurium, and Serratia marcescens. Skovgaard O, et al. **J Bacteriol** 1987 Sep;169(9):3976–81

GROWTH & DEVELOPMENT

Persistence of Serratia marcescens, Serratia liquefaciens and E. coli in solutions for contact lenses. Parment PA, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):456–62

Effect of refrigeration on microbial growth in the Blairex Water Purifier. Harris MG, et al. **Am J Optom Physiol Opt** 1987 May;64(5):321–3

Survival of Serratia marcescens in benzalkonium chloride and in multiple-dose medication vials: relationship to epidemic septic arthritis. Nakashima AK, et al. **J Clin Microbiol** 1987 Jun;25(6):1019–21

IMMUNOLOGY

Structural studies of the putative O-specific polysaccharide of Serratia marcescens O9. Oxley D, et al. **Eur J Biochem** 1987 Jul 15;166(2):421–4

Antigenic analysis of Serratia marcescens fimbriae with monoclonal antibodies. Jingushi S, et al. **Infect Immun** 1987 Jul;55(7):1600–6

The role of surface polysaccharide in determining the resistance of Serratia marcescens to serum killing. Jessop HL, et al. **J Gen Microbiol** 1986 Sep;132 (Pt 9):2505–14

ISOLATION & PURIFICATION

Bacterial penetration around amalgam restorations. Fayyad MA, et al. **J Prosthet Dent** 1987 May;57(5):571–4

METABOLISM

Relationship of prodigiosin condensing enzyme activity to the biosynthesis of prodigiosin and its precursors in Serratia marcescens. Cho LK, et al. **Experientia** 1987 Apr 15; 43(4):397–9

Effect of gramicidin A and valinomycin on prodigiosin production by non-proliferating Serratia marcescens. Viñas M, et al. **J Antibiot (Tokyo)** 1987 Jan;40(1):113–5

Immobilization of microbial cells on transition metal-activated supports. Cabral JM, et al. **Methods Enzymol** 1987;135:357–72

PHYSIOLOGY

Alcohol loss arising from microbial contamination of drivers' blood specimens. Dick GL, et al. **Forensic Sci Int** 1987 May–Jun;34(1–2):17–27

ULTRASTRUCTURE

Astromicin-induced membrane damage in Serratia marcescens. Umeda A, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):398–402

Flagellar variation in Serratia marcescens is associated with color variation. Paruchuri DK, et al. **J Bacteriol** 1987 Jan; 169(1):61–5

SER-(T-BU)6-DES-GLY(10)-LH-RH ETHYLAMIDE see **BUSERELIN ACETATE**

SERTOLI CELL TUMOR

METABOLISM

Norethindrone inhibition of testosterone secretion by an ovarian Sertoli-Leydig cell tumor. Brumsted JR, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):194–7

PATHOLOGY

A feminizing Sertoli-Leydig cell tumour in a postmenopausal woman. Case report. Dhont M, et al. **Br J Obstet Gynaecol** 1986 Nov;93(11):1171–5

Sertoli-cell tumour of the testis in a child. Tandon R, et al. **J Indian Med Assoc** 1986 Dec;84(12):386–7

Ovarian Sertoli-Leydig cell tumour with raised serum alpha fetoprotein. A case report. Tiltman A, et al. **Virchows Arch [A]** 1986;410(2):107–12

[Ultrasonography of subclinical primary testicular tumors. Apropos of a Sertoli cell tumor] Schouman-Claeys E, et al. **Ann Urol (Paris)** 1987;21(2):117–21 (Eng. Abstr.) **(Fre)**

[A case of malignant Sertoli cell tumor of the testis] Takada M, et al. **Gan No Rinsho** 1987 Mar;33(3):331–6 (Eng. Abstr.) **(Jpn)**

SECRETION

[Endocrinological study of Sertoli-Leydig cell tumor] Haruyama Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 May; 39(5):765–70 (Eng. Abstr.) **(Jpn)**

VETERINARY

[The pathology of testicular tumors in dogs. 2. Morphology and comparative morphologic aspects] Prange H, et al. **Arch Exp Veterinarmed** 1987 May;41(3):366–88 (Eng. Abstr.) **(Ger)**

SERTOLI CELLS

ANALYSIS

Evidence for a Sertoli cell, FSH-suppressible inhibiting factor(s) of testicular steroidogenic activity. Benahmed M, et al. **Biochem Biophys Res Commun** 1986 Aug 29; 139(1):169–78

Isolation of cyclic protein-2 from rat seminiferous tubule fluid and Sertoli cell culture medium. Wright WW, et al. **Biol Reprod** 1986 Oct;35(3):761–72

Specificity and partial purification of a factor in spent media from Sertoli cell-enriched cultures that stimulates steroidogenesis in Leydig cells. Verhoeven G, et al. **J Steroid Biochem** 1986 Sep;25(3):393–402

Contrasting levels of transferrin gene activity in cultured rat Sertoli cells and intact seminiferous tubules. Lee NT, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8177–81

CYTOLOGY

Postnatal development of bovine Sertoli cells. Sinowatz F, et al. **Anat Embryol (Berl)** 1986;174(3):413–23

Production of components of extracellular matrix by cultured rat Sertoli cells. Borland K, et al. **Biol Reprod** 1986 Nov; 35(4):997–1008

Morphogenetic restructuring and formation of basement membranes by Sertoli cells and testis peritubular cells in co-culture: inhibition of the morphogenetic cascade by cyclic AMP derivatives and by blocking direct cell contact. Tung PS, et al. **Dev Biol** 1987 Mar;120(1):139–53

FSH-induced Sertoli cell proliferation in the developing rat is modified by beta-endorphin produced in the testis. Orth JM. **Endocrinology** 1986 Oct;119(4):1876–8

Historical tribute: On the existence of specialized branching cells in the seminiferous canaliculi of the human testis. By Enrico Sertoli. 1865. **Hum Reprod** 1987 Feb;2(2):83–4 **(Eng, Ita)**

Interaction of rat Sertoli cells with a collagen lattice in vitro. Borland K, et al. **In Vitro Cell Dev Biol** 1986 Nov; 22(11):661–9

Effect of hypotonic treatment on Sertoli cell purity and function in culture. Wagle JR, et al. **In Vitro Cell Dev Biol** 1986 Jun;22(6):325–31

Relationship of absolute numbers of Sertoli cells to testicular size and spermatogenesis in young beef bulls. Berndtson WE, et al. **J Anim Sci** 1987 Jan;64(1):241–6

Spermatogenesis and Sertoli cell numbers and function in rams and bulls. Hochereau-de Reviers MT, et al. **J Reprod Fertil [Suppl]** 1987;34:101–14 (80 ref.)

DRUG EFFECTS

Gossypol-induced damage to mitochondria of transformed Sertoli cells. Robinson JM, et al. **Am J Pathol** 1986 Dec; 125(3):484–92

Comparison of sensitivities of rat spermatozoa, Sertoli and Leydig cells to gossypol acetic acid in vitro by the LD50. Zhuang LZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov; 7(6):563–7

Testicular toxicity in vitro: Sertoli-germ cell co-cultures as a model system. Gray TJ. **Food Chem Toxicol** 1986 Jun–Jul; 24(6–7):601–5

Quantitative analysis of Sertoli cells in neonatally oestrogen-treated rats. Gaytan F, et al. **J Reprod Fertil** 1987 Mar;79(2):589–98

ENZYMOLOGY

Differential effect of cadmium on GSH-peroxidase activity in the Leydig and the Sertoli cells of rat testis. Suppression by selenium and the possible relationship to heme concentration. Chung AS, et al. **Biochem Pharmacol** 1987 Apr 15;36(8):1367–72

An improved in vitro bioassay for follicle-stimulating hormone (FSH): suitable for measurement of FSH in unextracted human serum. Padmanabhan V, et al. **Endocrinology** 1987 Sep;121(3):1089-98

Modulation of stimulatory action of follicle stimulating hormone (FSH) and inhibitory action of epidermal growth factor (EGF) on aromatase activity in Sertoli cells by calcium. Mallea LE, et al. **FEBS Lett** 1987 Jun 22; 218(1):143-7

Calcium-, phospholipid-dependent protein kinase activity of cultured rat Sertoli cells and its modifications by vitamin A. Galdieri M, et al. **Mol Cell Endocrinol** 1986 Dec; 48(2-3):213-20

METABOLISM

Age-dependence of the rat Leydig cell and Sertoli cell function. Development of the peripheral testosterone level and its relation to mitochondrial and microsomal cytochromes P-450 and to androgen-binding protein. Kühn-Velten N, et al. **Acta Endocrinol (Copenh)** 1987 Jun; 115(2):275-81

Endocytic activity of Sertoli cells grown in bicameral culture chambers. Dai RX, et al. **Anat Rec** 1987 Jul;218(3):306-12

Distribution of actin in spermatids and adjacent Sertoli cell regions of the rat. Masri BA, et al. **Anat Rec** 1987 May; 218(1):20-6

Somatomedin-C/insulin-like growth factor 1-like material secreted by porcine Sertoli cells in vitro: characterization and regulation. Chatelain PG, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1009-17

Triiodothyronine decreases the production of androgen binding protein by rat Sertoli cells. Fugassa E, et al. **Biochem Biophys Res Commun** 1987 Feb 27;143(1):241-7

Sertoli-cell prostaglandin synthesis. Effects of (follitropin) differentiation and dietary vitamin E. Cooper DR, et al. **Biochem J** 1987 Feb 1;241(3):847-55

Rat testicular testibumin is a protein responsive to follicle stimulating hormone and testosterone that shares immunodeterminants with albumin. Cheng CY, et al. **Biochemistry** 1986 Sep 9;25(18):5276-88

Sertoli cells in the testis and epithelium of the ductuli efferentes are targets for 3H 1,25 (OH)2 vitamin D3. An autoradiographic study. Stumpf WE, et al. **Cell Tissue Res** 1987 Feb;247(2):453-5

Regulation of levels of specific Sertoli cell mRNAs by vitamin A. Hugly S, et al. **Dev Biol** 1987 Jun;121(2):316-24

Guanine triphosphate-binding site regulation by follicle-stimulating hormone and guanine diphosphate in membranes from immature rat Sertoli cells. Fletcher PW, et al. **Endocrinology** 1986 Nov;119(5):2221-6

Germ cell stimulation of Sertoli cell protein phosphorylation. Ireland ME, et al. **Endocrinology** 1987 Apr;120(4):1317-26

Partial characterization of a somatomedin-like peptide from the medium of cultured rat Sertoli cells. Smith EP, et al. **Endocrinology** 1987 Jan;120(1):186-93

Stimulation of polyamine biosynthesis by follicle-stimulating hormone in serum-free cultures of rat Sertoli cells. Swift TA, et al. **Endocrinology** 1987 Jan;120(1):394-400

Spent media from immature seminiferous tubules and Sertoli cells inhibit adult rat Leydig cell aromatase activity. Papadopoulos V, et al. **Horm Metab Res** 1987 Feb; 19(2):62-4

Epidermal growth factor stimulates lactate production and inhibits aromatization in cultured Sertoli cells from immature rats. Mallea LE, et al. **Int J Androl** 1986 Jun; 9(3):201-8

Inhibition of RNA and DNA synthesis in Sertoli cells by co-culture with spermatogenic cells. Rivarola MA, et al. **Int J Androl** 1986 Dec;9(6):424-34

Inhibin production by Sertoli cells during testicular regression in the golden hamster. Berkowitz AS, et al. **J Androl** 1987 Jul-Aug;8(4):272-7

Evidence for age-dependent changes in Sertoli cell androgen receptor concentration. Buzek SW, et al. **J Androl** 1987 Mar-Apr;8(2):83-90

Transferrin-mediated transcellular transport of 59Fe across confluent epithelial sheets of Sertoli cells grown in bicameral cell culture chambers. Djakiew D, et al. **J Androl** 1986 Nov-Dec;7(6):355-66

Vitamin A modifies the glycopeptide composition of cultured Sertoli cells. Galdieri M, et al. **J Androl** 1986 Sep-Oct; 7(5):303-9

Identification of inhibin secreted by cynomolgus monkey Sertoli cell cultures. Noguchi K, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):783-8

Immunocytochemical detection of anti-müllerian hormone in Sertoli cells of various mammalian species including human. Tran D, et al. **J Histochem Cytochem** 1987 Jul; 35(7):733-43

Identification of a new Sertoli cell metabolite of testosterone: 5 alpha-androstane-3 alpha,16 alpha,17 beta-triol, by HPLC and GC-MS. Tcholakian RK, et al. **J Steroid Biochem** 1987 May;26(5):619-25

Hormonal regulation of inhibin production by cultured Sertoli cells. Bicsak TA, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):211-7

Peritubular cells influence Sertoli cells at the level of translation. Hutson JC, et al. **Mol Cell Endocrinol** 1987 Jul; 52(1-2):11-5

Identification of insulin receptors on rat Sertoli cells. Oonk RB, et al. **Mol Cell Endocrinol** 1987 Jan;49(1):51-62

Modulation of Leydig cell functions by culture with Sertoli cells or with Sertoli cell-conditioned medium: effect of insulin, somatomedin-C and FSH. Perrard-Sapori MH, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):193-201

[Hormonal control of Sertoli cell function: effect of FSH, neurotransmitters and glucagon] Verhoeven G. **Verh K Acad Geneeskd Belg** 1986;48(5):341-76 (119 ref.) (Eng. Abstr.) **(Dut)**

MICROBIOLOGY

Development-dependent replication of minute virus of mice in differentiated mouse testicular cell lines. Guetta E, et al. **J Gen Virol** 1986 Nov;67 (Pt 11):2549-54

PATHOLOGY

Sertoli cell only syndrome: a variant of testicular germinal cell absence. Poo JL, et al. **Rev Invest Clin** 1987 Jan-Mar; 39(1):41-6

PHYSIOLOGY

The use of specific cDNA probes to assay Sertoli cell functions. Griswold MD, et al. **Adv Exp Med Biol** 1986; 205:301-17

Stage-dependent levels of specific mRNA transcripts in Sertoli cells. Morales C, et al. **Biol Reprod** 1987 May; 36(4):1035-46

Receptor-mediated endocytosis of transferrin by Sertoli cells of the rat. Morales C, et al. **Biol Reprod** 1986 Sep; 35(2):393-405

The phagocytic function of Sertoli cells: a morphological, biochemical, and endocrinological study of lysosomes and acid phosphatase localization in the rat testis. Chemes H. **Endocrinology** 1986 Oct;119(4):1673-81

Transferrin messenger ribonucleic acid: molecular cloning and hormonal regulation in rat Sertoli cells. Huggenvik JI, et al. **Endocrinology** 1987 Jan;120(1):332-40

Selective suppression of follicle-stimulating hormone by 3 alpha-hydroxy-4-pregnen-20-one, a steroid found in Sertoli cells. Wiebe JP, et al. **Endocrinology** 1987 Jun; 120(6):2259-64

Influence of temperature on the function of Sertoli and Leydig cells of human testes. Namiki M, et al. **Fertil Steril** 1987 Mar;47(3):475-80

Inhibin-like activity in Sertoli cell culture media and testicular homogenates from rats of various ages. Ultee-van Gessel AM, et al. **J Endocrinol** 1987 Apr;113(1):103-10

Effect of local heating of the rat testis on the levels in interstitial fluid of a putative paracrine regulator of the Leydig cells and its relationship to changes in Sertoli cell secretory function. Bartlett JM, et al. **J Reprod Fertil** 1987 May;80(1):279-87

A rat spermatocyte surface protein is involved in adhesion of pachytene spermatocytes to Sertoli cells in vitro. D'Agostino A, et al. **Mol Cell Biol** 1987 Mar;7(3):1250-5

Inhibition by phorbol esters and other tumor promoters of the response of the Sertoli cell to FSH: evidence for dual site of action. Monaco L, et al. **Mol Cell Endocrinol** 1987 Feb;49(2-3):227-36

SECRETION

Possible involvement of germ cells in the regulation of oestradiol-17 beta and ABP secretion by immature rat Sertoli cells (in vitro studies). Le Magueresse B, et al. **Biochem Biophys Res Commun** 1986 Dec 15;141(2):861-9

Purification and characterization of a sulfated glycoprotein secreted by Sertoli cells. Griswold MD, et al. **Biochemistry** 1986 Nov 18;25(23):7265-70

Homologous desensitization of rat Sertoli cells by non-stimulating concentrations of follicle-stimulating hormone. Guillou F, et al. **Biol Cell** 1987;59(3):227-32

Temporal appearance and cyclic behavior of Sertoli cell-specific secretory proteins during the development of the rat seminiferous tubule. Shabanowitz RB, et al. **Biol Reprod** 1986 Oct;35(3):745-60

Polarized secretion of androgen-binding protein and transferrin by Sertoli cells grown in a bicameral culture system. Hadley MA, et al. **Endocrinology** 1987 Mar; 120(3):1097-103

Bipolar secretion of androgen-binding protein and transferrin by Sertoli cells cultured in a two-compartment culture chamber. Janecki A, et al. **Endocrinology** 1987 Jan; 120(1):291-8

Measurement of a follicle-stimulating hormone-responsive protein of Sertoli cell origin using an enzyme-linked immunoblot assay. Lee WM, et al. **Endocrinology** 1986 Nov; 119(5):1914-21

Study of the dynamics of Sertoli cell secretions in a new superfusion, two-compartment culture system. Janecki A, et al. **In Vitro Cell Dev Biol** 1987 Jul;23(7):492-500

Identification of two testosterone-responsive testicular proteins in Sertoli cell-enriched culture medium whose secretion is suppressed by cells of the intact seminiferous tubule. Cheng CY, et al. **J Biol Chem** 1987 Sep 15; 262(26):12768-79

Vectorial secretion of transferrin and androgen binding protein in Sertoli cell cultures: effect of extracellular matrix, peritubular myoid cells and medium composition. Janecki A, et al. **Mol Cell Endocrinol** 1987 Jul;52(1-2):125-35

ULTRASTRUCTURE

Ultrastructure and possible function of giant crystalloids in the Sertoli cell of the juvenile and adult koala (Phascolarctos cinereus). Kerr JB, et al. **Anat Embryol (Berl)** 1987;176(2):213-24

Plasma membranes from rat Sertoli cells: purification and properties. Kew D, et al. **Biol Reprod** 1986 Dec; 35(5):1235-47

Immunohistochemical and ultrastructural study of Sertoli cells in androgen insensitivity. Aumüller G, et al. **Int J Androl** 1986 Apr;9(2):99-108

Three-dimensional profiles of Sertoli cell processes and associated appendices as viewed by SEM. Hamasaki M, et al. **J Electron Microsc (Tokyo)** 1986;35(2):132-43

Changes in the lipid inclusion/Sertoli cell cytoplasm area ratio during the cycle of the human seminiferous epithelium. Paniagua R, et al. **J Reprod Fertil** 1987 May; 80(1):335-41

The postnatal development of the junctional complexes of hamster Sertoli cells as revealed by HRP and freeze-fracture. Vignon X, et al. **J Submicrosc Cytol** 1987 Apr;19(2):303-9

A comparative study of Sertoli cell ectoplasmic specializations in selected non-mammalian vertebrates. Sprando RL, et al. **Tissue Cell** 1987;19(4):479-93

Ultrastructural study of the Sertoli cell and the limiting membrane in the seminiferous tubule of the adult cryptorchid rat. Hatier R, et al. **Virchows Arch [B]** 1986; 52(4):305-18

Scanning electron microscopic studies of the seminiferous tubules, Leydig cells and Sertoli cells in soft-shelled turtles. De TK, et al. **Z Mikrosk Anat Forsch** 1987;101(1):18-22

SERUM A RELATED PROTEIN see **AMYLOID PROTEIN SAA**

SERUM ALBUMIN

The adherence of polymorphonuclear leucocytes to an albumin-coated glass surface. Effects of therapeutic concentrations of the Catharantus derivatives vincristine, vinblastine and vindesine. Dahlgren C, et al. **Acta Med Scand** 1987;221(1):109-13

Fate of labeled albumin and erythrocytes following injection into amniotic cavity of sheep. Tomoda S, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R781-6

Influence on healing in the canine thoracic aorta of three substances used to close the interstices of macroporous Dacron grafts. Zammit M, et al. **Am Surg** 1986 Dec; 52(12):667-9

The influence of radioiodination on the adsorption of IgG and serum albumin to polystyrene. Walsh J, et al. **Anal Biochem** 1986 Nov 1;158(2):413-23

Reduced platelet adhesion and activation of coagulation factors on polyurethane treated with albumin-IgG complex. Mohammad SF, et al. **ASAIO Trans** 1986 Jul-Sep; 32(1):323-6

Optical detection of triplet-state magnetic resonance studies on individual tryptophan residues of serum albumin: correlation between phosphorescence and zero-field splittings. Mao SY, et al. **Biochemistry** 1987 Jun 2; 26(11):3106-14

Fourier transform infrared studies of proteins using nonaqueous solvents. Effects of methanol and ethylene glycol on albumin and immunoglobulin G. Wasacz FM, et al. **Biochemistry** 1987 Mar 10;26(5):1464-70

Isolation and two-dimensional 1H-NMR of peptide [1-24] of dog serum albumin and studies of its complexation with copper and nickel by NMR and CD spectroscopy. Decock-Le Reverend B, et al. **Biochim Biophys Acta** 1987 Mar 18;912(1):16-27

A proton nuclear magnetic resonance study of human serum albumin in the neutral pH region. Labro JF, et al. **Biochim Biophys Acta** 1986 Sep 26;873(2):267-78

Thyroid function in hospitalized patients: effect of illness and serum albumin concentrations. Desai RK, et al. **Clin Chem** 1987 Aug;33(8):1445-7

Hypoalbuminemia as an indicator of diarrheal incidence in critically ill patients. Brinson RR, et al. **Crit Care Med** 1987 May;15(5):506-9

Extraction of an erythrotropin-like factor from bovine serum albumin (Cohn fraction V). Congote LF. **In Vitro Cell Dev Biol** 1987 May;23(5):361-6

On the heterogeneity of serum albumin: effect of sodium dodecyl sulphate on agarose chromatography of the protein. Darcel CL. **Int J Biochem** 1987;19(2):213-6

Water structure in modified bovine plasma albumin (BPA) gel and bovine mercaptalbumin solution. 1H-n.m.r. studies. Sogami M, et al. **Int J Pept Protein Res** 1986 Aug; 28(2):130-40

Stable labelling of serum albumin microspheres with gallium-68. Maziere B, et al. **Int J Rad Appl Instrum [A]** 1986;37(4):360-1

Entrapment of bioactive compounds within native albumin beads: II. Effects of rate and extent of crosslinking on microbead properties. Sheu MT, et al. **J Parenter Sci Technol** 1986 Nov-Dec;40(6):253-8

Antioxidant activity of albumin-bound bilirubin. Stocker R, et al. **Proc Natl Acad Sci USA** 1987 Aug;84(16):5918-22

Virus-associated receptor for polymerized human serum albumin and antibody to the receptor in HBV and in HDV infection. Alberti A, et al. **Prog Clin Biol Res** 1987; 234:61-70

Utilization of immunogold labeling to compare the adsorption

behavior of fibrinogen, fibronectin and albumin on polymers. Murthy KD, et al. **Scanning Microsc** 1987 Jun; 1(2):765–73

Short sequences of high homology between the primary structures of alpha-fetoprotein and albumin. Moro R, et al. **Tumour Biol** 1986;7(2–3):115–21

[Effect of albumin on digoxin determination by the TDX system] Koizumi F, et al. **Rinsho Byori** 1987 Apr; 35(4):463–4 **(Jpn)**

ADMINISTRATION & DOSAGE

Selective in vitro and in vivo growth inhibition againtt human yoik sac tumor cell lines by purified antibody against human alpha-fetoprotein conjugated with mitomycin C via human serum albumin. Ohkawa K, et al. **Cancer Immunol Immunother** 1986;23(2):81–6

Entrapment of bioactive compounds within native albumin beads: III. Evaluation of parameters affecting drug release. Sheu MT, et al. **J Parenter Sci Technol** 1986 Nov–Dec; 40(6):259–65

[Use of human albumin as an additional cryoprotective agent in freeze preservation of hematopoietic stem cells] Reiners B, et al. **Folia Haematol (Leipz)** 1987;114(2):264–72 (Eng. Abstr.) **(Ger)**

ANALYSIS

Familial dysalbuminemic hyperthyroxinemia. Jensen IW, et al. **Acta Med Scand** 1987;221(5):469–73

Serum amyloid A protein, albumin and prealbumin in Alzheimer's disease and in demented patients with Down's syndrome. Elovaara I, et al. **Acta Neurol Scand** 1986 Sep; 74(3):245–50

Testosterone, SHBG and albumin in patients with ovarian carcinoma. Mühlck CG, et al. **Acta Obstet Gynecol Scand** 1986;65(6):533–8

Thickness of the gallbladder wall in patients with hypoalbuminemia: a sonographic study of patients on peritoneal dialysis. Kaftori JK, et al. **AJR** 1987 Jun; 148(6):1117–8

A comparison between chemical analysis and magnetic resonance imaging with the clinical diagnosis of multiple sclerosis. Papadopoulos NM, et al. **Am J Clin Pathol** 1987 Sep;88(3):365–8

Application of directly coupled flame atomic absorption spectrometry-fast protein liquid chromatography to the determination of protein-bound metals. Ebdon L, et al. **Analyst** 1987 Apr;112(4):437–40

The adjusted serum calcium concept—a reappraisal. Ashby JP, et al. **Ann Clin Biochem** 1986 Sep;23 (Pt 5):533–7

Serum albumin as a nutritional marker [letter] Craig RM. **Ann Intern Med** 1987 Feb;106(2):327–8

Serum albumin concentrations and oedema in the newborn [letter] **Arch Dis Child** 1986 Dec;61(12):1244

Serum albumin concentrations and oedema in the newborn [letter] Lucas A. **Arch Dis Child** 1987 Feb;62(2):214

Occurrence of vanadium ion in serum albumins. Sakurai H, et al. **Biochim Biophys Acta** 1987 Jun 22;924(3):562–3

Novel immunosensors. Karube I, et al. **Biosensors** 1986; 2(6):343–62

Facile resolution of alpha-fetoproteins and serum albumins by immobilized metal affinity chromatography. Andersson L, et al. **Cancer Res** 1987 Jul 15;47(14):3624–6

A sensitive spectrofluorimetric method for the determination of human serum albumin with chrome-azurol S. Saito Y, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul;34(7):2880–4

Comparison and contrast of affinity chromatographic determinations of plasma glycated albumin and total glycated plasma protein. Rendell M, et al. **Clin Biochem** 1986 Aug;19(4):216–20

Bromcresol purple dye-binding methods underestimate albumin that is carrying covalently bound bilirubin. Bush V, et al. **Clin Chem** 1987 Jun;33(6):821–3

Underestimation of monoclonal proteins by serum protein electrophoresis on cellulose acetate. Liu FJ, et al. **Clin Chem** 1987 Jan;33(1):182–4

4-Methylumbelliferone and its glucuronide interfere with protein estimation by the Lowry method. Marinelli RA, et al. **Clin Chem** 1987 Aug;33(8):1475

Interference by an IgM paraprotein in the bromcresol green method for determination of serum albumin. Reed RG. **Clin Chem** 1987 Jun;33(6):1075–6

No interference by amiodarone on albumin estimation by dye-binding methods. Siebers RW, et al. **Clin Chem** 1986 Oct;32(10):1990

Albumin-dependence of free thyroxin in nonthyroidal illness [letter] Wilkins TA, et al. **Clin Chem** 1987 Aug;33(8):1494–6

Percentile estimates of reference values for total protein and albumin in sera of premature infants (less than 37 weeks of gestation). Zlotkin SH, et al. **Clin Chem** 1987 Mar; 33(3):411–3

The relative extent of glycation of haemoglobin and albumin. Olufemi S, et al. **Clin Chim Acta** 1987 Mar 16;163(2):125–36

Precise measurement of glycated serum albumin by column affinity chromatography and immunoturbidimetry. Reed P, et al. **Clin Chim Acta** 1986 Dec 15;161(2):191–9

The molecular abnormality of albumin Niigata: 269 Asp——Gly. Sugita O, et al. **Clin Chim Acta** 1987 May 15;164(3):251–9

Human alpha-fetoprotein and albumin: differences in zinc binding. Wu JT, et al. **Clin Physiol Biochem** 1987;5(2):85–94

Further evidence for the heterogeneity of serum albumin. Darcel CL, et al. **Comp Biochem Physiol [B]** 1986; 85(1):15–22

Glycosylated haemoglobin and glycosylated albumin in non-diabetic and diabetic mothers, and their babies. John WG, et al. **Diabetic Med** 1985 Mar;2(2):103–4

Tear fluid electrolytes and albumin in persons under environmental stress. Thygesen JE, et al. **Environ Res** 1987 Jun;43(1):60–5

On the heterogeneity of serum albumin. Darcel CL. **Int J Biochem** 1987;19(4):295–301 (30 ref.)

The direct measurement of plasma colloid osmotic pressure is superior to colloid osmotic pressure derived from albumin or total protein. Barclay SA, et al. **Intensive Care Med** 1987;13(2):114–8

1H-NMR study on the interactions of human serum albumin with free fatty acid. Oida T. **J Biochem (Tokyo)** 1986 Dec; 100(6):1533–42

Structure of a biologically active neurotensin-related peptide obtained from pepsin-treated albumin(s). Carraway RE, et al. **J Biol Chem** 1987 May 5;262(13):5968–73

Dual-column determination of albumin and immunoglobulin G in serum by high-performance affinity chromatography. Hage DS, et al. **J Chromatogr** 1987 Jan 16;386:37–49

Reaction of bilirubin glucuronides with serum albumin. Van Breemen RB, et al. **J Chromatogr** 1986 Dec 19; 383(2):387–92

The role of glucosylated serum albumin in monitoring glycemic control in stable insulin-requiring diabetic out-patients. Ziel FH, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):269–73

The application of glucose oxidase-labeled antibodies for the detection of proteins on nitrocellulose. Geoghegan WD, et al. **J Immunol Methods** 1986 Nov 6;93(2):231–6

Acid gel and chromic chloride jellification in normal and pathological human sera. Pidetcha P, et al. **J Med Assoc Thai** 1986 Aug;69(8):452–5

Iodinated proteins in normal human thyroid gland. Thyroid albumin. Kawano R, et al. **J Med Clin Exp Theor** 1986; 17(5–6):313–30

Evaluation of albumin-globulin ratio to confirm the clinical stages of sarcoidosis. Nandedkar AK, et al. **J Natl Med Assoc** 1986 Oct;78(10):969–71

The distribution of serum albumin in rat peripheral nerve. Mata M, et al. **J Neuropathol Exp Neurol** 1987 Jul; 46(4):485–94

Comparison of serum fibronectin, prealbumin, and albumin concentrations during nutritional repletion in protein-calorie malnourished infants. Yoder MC, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):84–8

A comparative study of the interaction of warfarin with human alpha 1-acid glycoprotein and human albumin. Otagiri M, et al. **J Pharm Pharmacol** 1987 Jun;39(6):416–20

Relation of serum albumin concentration to death rate in nursing home men. Rudman D, et al. **JPEN J Parenter Enteral Nutr** 1987 Jul–Aug;11(4):360–3

Ifosfamide/mesna nomogram and serum albumin [letter] Constantine G, et al. **Lancet** 1986 Nov 8;2(8515):1102

Trace metals and plasma exchange [letter] Domen RE, et al. **Lancet** 1986 Nov 8;2(8515):1096

Ifosfamide/mesna nomogram and serum albumin [letter] Hill PG, et al. **Lancet** 1986 Oct 25;2(8513):986

Low serum albumin and failure of fixation of hip fractures [letter] Nunn D. **Lancet** 1987 May 23;1(8543):1210

Concentration of plasma albumin in its accessible space in postmortem human dermis. Bert JL, et al. **Microvasc Res** 1986 Sep;32(2):211–23

Influence of paramagnetic ions bound to human serum albumin on water 1HNMR relaxation times. Marzola P, et al. **Physiol Chem Phys Med NMR** 1986;18(4):263–73

Bisalbuminaemia in pancreatic ascites. Keidar S, et al. **Postgrad Med J** 1986 Jan;62(723):43–4

Determination of albumin in caprine serum. Bain MS. **Res Vet Sci** 1986 Jul;41(1):82–4

Changes in serum zinc and serum albumin after operation for bronchogenic carcinoma. Vasehus PM, et al. **Scand J Thorac Cardiovasc Surg** 1987;21(1):53–5

Effect of infection of the genital tract on the concentration of IgG and albumin in bull serum and semen. Suri AK, et al. **Vet Immunol Immunopathol** 1986 Nov;13(3):273–8

An improved acid blue 90-dye-binding method with equal sensitivity to albumin and globulin. Appenroth KJ, et al. **Z Med Lab Diagn** 1986;27(6):327–31

[The interaction of serpentine and seroalbumin by fluorescence quenching] Queraltó A, et al. **Farmaco [Prat]** 1986 Oct;41(10):338–46 (Eng. Abstr.) **(Ita)**

[Statistical study on 1166 electrophoretic patterns relating to normal persons, 20–50 years of age, within the population of the town of Terni] Prete C, et al. **Nuovi Ann Ig Microbiol** 1985 Sep–Oct;36(5):389–93 (Eng. Abstr.) **(Ita)**

[Heat exposure differentiates 2 electrophoretically equal allo-albumins] Montanelli A, et al. **Quad Sclavo Diagn** 1986 Mar;22(1):78–83 (Eng. Abstr.) **(Ita)**

[Ultrasonographic study of gallbladder wall thickness in relation to hypoalbuminemia, liver dysfunction and ascites] Sata T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1987 Apr 25;47(4):585–9 (Eng. Abstr.) **(Jpn)**

[An N-phenyl-1-amino-8-sulfonaphthalene fluorescent probe for blood plasma albumin] Aidyraliev RK, et al. **Lab Delo** 1987;(6):450–4 (Eng. Abstr.) **(Rus)**

[Determination of serum albumin by a colorimetric micromethod using bromcresol purple] Lukicheva TI, et al. **Lab Delo** 1987;(2):3–6 (Eng. Abstr.) **(Rus)**

[1H- and 2H-NMR relaxation in serum albumin solutions] Zhuravlev AK, et al. **Mol Biol (Mosk)** 1987 Mar–Apr; 21(2):434–41 (Eng. Abstr.) **(Rus)**

[Thiol-disulfide metabolism as a mechanism in the formation of albumin minor fractions with pI 5.2–7.4 in various pathologic states] Troitskiĭ GV, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):12–22 (Eng. Abstr.) **(Rus)**

[The degree of modification of serum albumin as a toxicological test] Troitskiĭ GV, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):38–41 (Eng. Abstr.) **(Rus)**

[Two-dimensional electrophoresis of the products of limited hydrolysis of human serum albumin using isoelectric focusing in a borate-polyol system] Zagorul'ko GV, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):136–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Primary cultures of human livers and their albumin-producing capacity. Tokiwa T, et al. **Acta Med Okayama** 1986 Aug;40(4):209–13

Limited effects of recombinant human and murine interleukin 1 and tumour necrosis factor on production of acute phase proteins by cultured rat hepatocytes. Koj A, et al. **Biochem Int** 1987 Mar;14(3):553–60

Albumin synthesis in premature infants: determination of turnover with [15N]glycine. Yudkoff M, et al. **Pediatr Res** 1987 Jan;21(1):49–53

BLOOD

Does the measurement of serum fructosamine accurately reflect levels of glycated albumin in insulin-dependent diabetes? Winocour PH, et al. **Ann Clin Biochem** 1987 Jan; 24 (Pt 1):47–52

On the albumin-dependence of measurements of free thyroxin. II. Patients with non-thyroidal illness. Csako G, et al. **Clin Chem** 1987 Jan;33(1):87–92

CEREBROSPINAL FLUID

Diagnostic values of IgG-albumin index and agarose gel electrophoresis in neurologic diseases. Wang CR, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Nov;19(4):238–44

[Measurements of IgG and albumin in CSF and serum in various neurological diseases] Su CL, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1986 Nov;19(4):250–7 (Eng. Abstr.) **(Chi)**

DEFICIENCY

Pathogenesis of congenital defects associated with Turner's syndrome: the role of hypoalbuminemia and edema. Shepard TH, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986; 279:440–7

Protein-losing enteropathy in acquired immunodeficiency syndrome due to intestinal Kaposi's sarcoma. Laine L, et al. **Arch Intern Med** 1987 Jun;147(6):1174–5

Inter-organ metabolism and transport of a cysteine-S-conjugate of xenobiotics in normal and mutant analbuminemic rats. Inoue M, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2145–50

Hypoalbuminaemia and naproxen pharmacokinetics in a patient with rheumatoid arthritis. Van den Ouweland FA, et al. **Clin Pharmacokinet** 1986 Nov–Dec;11(6):511–5

Hepato-renal transport of phenolsulfonphthalein in analbuminemic rats: albumin is essential for hepatic compensatory elimination of a nephrophilic ligand in animals with renal dysfunction. Inoue M, et al. **J Biochem (Tokyo)** 1986 Jul;100(1):201–6

Study of the molecular mechanism of decreased liver synthesis of albumin in inflammation. Moshage HJ, et al. **J Clin Invest** 1987 Jun;79(6):1635–41

Urinary bladder carcinogenesis by N-butyl-N-(4-hydroxybutyl)-nitrosamine in an analbuminemic congenic strain of rats with an ACI genetic background. Nagase S, et al. **Jpn J Cancer Res** 1986 Dec; 77(12):1198–200

Transplantation of putative preneoplastic hepatocytes of analbuminemic rats in the livers of Sprague-Dawley x analbuminemic hybrid rats. Yokota K, et al. **Jpn J Cancer Res** 1987 Feb;78(2):109–12

Studies on analbuminemic rats. Nagase S. **Prog Clin Biol Res** 1987;229:27–34

Rapid replacement of serum albumin in patients receiving total parenteral nutrition. Hardin TC, et al. **Surg Gynecol Obstet** 1986 Oct;163(4):359–62

Effect on platelet function of hypoalbuminemia in peritoneal dialysis. Sloand EM, et al. **Thromb Res** 1986 Nov 15; 44(4):419–25

Effects of liver transplantation in congenitally albumin-deficient rats. Nozawa M, et al. **Transplant Proc** 1987 Feb;19(1 Pt 2):1091–4

[Research related to hormones in Nagase analbuminemic rats] Nagase S, et al. **Gan To Kagaku Ryoho** 1987 Mar;14(3 Pt 2):763–70 (Eng. Abstr.) **(Jpn)**

[Deficiency of LDL receptors in a hypercholesteremic patient with analbuminemia (letter)] Masana L, et al. **Rev Clin Esp** 1987 Apr;180(7):406 **(Spa)**

DIAGNOSTIC USE

Magnetite albumin microspheres: a new MR contrast material. Widder DJ, et al. **AJR** 1987 Feb;148(2):399–404
Successful left ventricular opacification following peripheral venous injection of sonicated contrast agent: an experimental evaluation. Keller MW, et al. **Am Heart J** 1987 Sep;114(3):570–5
Assessment of value of glycosylated albumin and protein in detection of gestational diabetes. Ryan EA, et al. **Diabetes Care** 1987 Mar–Apr;10(2):213–6

GENETICS

Thyroid function tests in patients with familial dysalbuminaemic hyperthyroxinaemia (FDH). Stewart MF, et al. **Ann Clin Biochem** 1986 Jan;23 (Pt 1):59–64
Expression of cytochrome P-450 and albumin genes in rat liver: effect of xenobiotics. Satyabhama S, et al. **Biochemistry** 1986 Aug 12;25(16):4508–12
Transcriptional and posttranscriptional effects of dexamethasone on albumin and procollagen messenger RNAs in murine schistosomiasis. Weiner FR, et al. **Biochemistry** 1987 Mar 24;26(6):1557–62
Albumin Canterbury (313 Lys——Asn). A point mutation in the second domain of serum albumin. Brennan SO, et al. **Biochim Biophys Acta** 1987 Apr 8;912(2):191–7
Immunohistochemical localization of albumin and in situ hybridization of albumin mRNA. Shroyer KR, et al. **Cell Biochem Funct** 1987 Jul;5(3):195–210
The rat vitamin D binding protein (Gc-globulin) gene is syntenic with the rat albumin and alpha-fetoprotein genes on chromosome 14. Cooke NE, et al. **Cytogenet Cell Genet** 1987;44(2–3):98–100
Isolation and characterization of genes for blood proteins. Tu GF, et al. **Dev Biol Stand** 1987;67:177–83
Hepatoma variants (C2) are defective for transcriptional and post-transcriptional actions from both endogenous and viral genomes. Friedman JM, et al. **EMBO J** 1987 Jun; 6(6):1727–31
Modulation of alpha-fetoprotein, albumin and transferrin gene expression by cellular interactions and dexamethasone in cocultures of fetal rat hepatocytes. Lescoat G, et al. **Eur J Cell Biol** 1987 Aug;44(1):128–34
The molecular defect of albumin Tagliacozzo: 313 Lys——Asn. Galliano M, et al. **FEBS Lett** 1986 Nov 24; 208(2):364–8
Glucocorticoid-dependent expression of the albumin gene in adult rat hepatocytes. Nawa K, et al. **J Biol Chem** 1986 Dec 25;261(36):16883–8
Insulin negatively regulates albumin mRNA at the transcriptional and post-transcriptional level in rat hepatoma cells. Straus DS, et al. **J Biol Chem** 1987 Feb 15;262(5):1955–60
Hyperthyroxinemia due to the coexistence of two raised affinity thyroxine-binding proteins (albumin and prealbumin) in one family. Lalloz MR, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):346–52
Low protein—high energy diet induces repressed transcription of albumin mRNA in rat liver. Sakuma K, et al. **J Nutr** 1987 Jun;117(6):1141–8
Cellular promoters incorporated into the adenovirus genome: effects of viral regulatory elements on transcription rates and cell specificity of albumin and beta-globin promoters. Babiss LE, et al. **Mol Cell Biol** 1986 Nov;6(11):3798–806
Cellular promoters incorporated into the adenovirus genome: cell specificity of albumin and immunoglobulin expression. Friedman JM, et al. **Mol Cell Biol** 1986 Nov;6(11):3791–7
Multiple regulatory elements in the intergenic region between the alpha-fetoprotein and albumin genes. Godbout R, et al. **Mol Cell Biol** 1986 Feb;6(2):477–87
Determinants of rat albumin promoter tissue specificity analyzed by an improved transient expression system. Heard JM, et al. **Mol Cell Biol** 1987 Jul;7(7):2425–34
The rat alpha 1-fetoprotein gene: characterization of the 5'-flanking region and tandem organization with the albumin gene. Chevrette M, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1338–9
DNA sequence of the first exon and 5' flanking region of the 68-K serum albumin gene of Xenopus laevis. Sweeney G, et al. **Nucleic Acids Res** 1987 Jul 24;15(14):5889
Specific sets of DNase I-hypersensitive sites are associated with the potential and overt expression of the rat albumin and alpha-fetoprotein genes. Nahon JL, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(8):2135–9
Amino acid substitutions in genetic variants of human serum albumin and in sequences inferred from molecular cloning. Takahashi N, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(13):4413–7

IMMUNOLOGY

Immunohistopathology of experimental uveitis induced by a non-ocular antigen. Lightman S, et al. **Curr Eye Res** 1986 Nov;5(11):857–62
Serum anti-albumin antibodies and diabetes [letter] Cheţa D. **Diabetologia** 1986 Dec;29(12):897
Albumin-directed antibodies in diabetes: demonstration of human serum albumin-directed IgM autoantibodies. Gregor I, et al. **Diabetologia** 1986 Aug;29(8):481–4
Interactions between hepatitis B virus and polymeric human serum albumin. II. Development of syngeneic monoclonal anti-anti-idiotypes which mimic hepatitis B surface antigen in the induction of immune responsiveness. Colucci G, et al. **Eur J Immunol** 1987 Mar;17(3):371–4
Interactions between hepatitis B virus and polymeric human albumin. I. Production of monoclonal anti-idiotypes (anti-anti-polymeric human albumin) which recognize hepatitis B virus surface antigen. Colucci G, et al. **Eur J Immunol** 1987 Mar;17(3):365–70
Receptors for polymerized human serum albumin and other hepatitis B virus markers during acute hepatitis B—predictive value of the outcome of the disease. Mora I, et al. **Hepatogastroenterology** 1986 Dec;33(6):250–4
Antibody to pre-S antigens in hepatitis B virus infection [letter] Alberti A, et al. **Hepatology** 1987 Jan–Feb; 7(1):207–8
A unique epitope on human serum albumin recognized by monoclonal antibody HSA-1: a probe for identification of the human origin of blood or tissue. Benjamin DC, et al. **Hybridoma** 1987 Apr;6(2):183–90
Autoantibodies to albumin in the plasma of patients with diabetes mellitus. Relationship with circulating immune complexes. Triolo G, et al. **J Clin Lab Immunol** 1986 Nov; 21(3):113–5
Antibody to the hepatitis B virus receptor for polymerized albumin in acute infection and in hepatitis B vaccine recipients. Pontisso P, et al. **J Hepatol** 1986;3(3):393–8
IgE and IgG antibodies to beta-propiolactone and human serum albumin associated with urticarial reactions to rabies vaccine. Swanson MC, et al. **J Infect Dis** 1987 May; 155(5):909–13
Immunosuppression in experimental cryptococcosis in rats. Induction of afferent T suppressor cells to a non-related antigen. Sotomayor CE, et al. **J Med Vet Mycol** 1987 Apr; 25(2):67–76
Removal of subepithelial immune complexes with excess unaltered or cationic antigen. Agodoa LY, et al. **Kidney Int** 1987 Jul;32(1):13–8
Absence of pre-S2 antibodies in natural hepatitis B virus infection. Hellström U, et al. **Lancet** 1986 Oct 18; 2(8512):889–93
Degradation of immunoreactive albumin in young and old conscious female rats. Goya RG, et al. **Mech Ageing Dev** 1986 Nov 28;37(1):69–78
Interaction of hepatitis B surface antigen with serum albumin of various species on polystylene latex particles. Ise Y, et al. **Med Microbiol Immunol (Berl)** 1987;176(4):199–207
Albumin bound to the surface of M protein-positive streptococci increased their phagocytosis by human polymorphonuclear leukocytes in the absence of complement and bactericidal antibodies. Wagner B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):432–46

ISOLATION & PURIFICATION

Identification of a liver growth factor as an albumin-bilirubin complex. Diaz-Gil JJ, et al. **Biochem J** 1987 Apr 15; 243(2):443–8
Characterisation of the phenylhydrazone derivatives of "glycated albumin" purified from diabetic sera.Ghiggeri GM, et al. **Carbohydr Res** 1986 Oct 1;153(2):314–7
New supports for plasma protein fraction: optimization and application of gel filtration using an improved sephacryl S-200 gel. Berglöf JH, et al. **Dev Biol Stand** 1987;67:25–9
Large scale use of Spherosil ion exchangers in plasma fractionation. Tayot JL, et al. **Dev Biol Stand** 1987;67:15–24
Nonenzymatic glycosylation of albumin in vivo. Identification of multiple glycosylated sites. Iberg N, et al. **J Biol Chem** 1986 Oct 15;261(29):13542–5

METABOLISM

Investigation on the binding of tryptophan enantiomers to human serum albumin. Fitos I, et al. **Acta Biochim Biophys Hung** 1986;21(3):237–45
Isolation of a specific albumin receptor from a group G streptococcal strain. Widebäck K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1987 Jun; 95(3):203–10
Non-enzymatic acetylation of proteins by aspirin as protection against the secondary complications of diabetes mellitus. Hun-Opfer C, et al. **Acta Physiol Pharmacol Latinoam** 1986;36(3):313–6
Influence of perfusate oncotic pressure on the transcapillary clearance of albumin in maximally vasodilated rat skeletal muscle. Haraldsson B, et al. **Acta Physiol Scand** 1987 Jun; 130(2):219–28
Reactions of oxaprozin-1-O-acyl glucuronide in solutions of human plasma and albumin. Ruelius HW, et al. **Adv Exp Med Biol** 1986;197:431–41
Familial dysalbuminemic hyperthyroxinemia associated with primary thyroid disease. Young RA, et al. **Am J Med** 1987 Feb;82(2):221–3
Portal copper transport in rats by albumin. Gordon DT, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):E327–33
Changes in plasma albumin concentration, synthesis rate, and mRNA level during acute inflammation. Liao WS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C928–34
Albumin and IgG in skin and skeletal muscle after plasmapheresis with saline loading. Mullins RJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H71–9
Fetuin as a marker of cortical plate cells in the fetal cow neocortex: a comparison of the distribution of fetuin, alpha 2HS-glycoprotein, alpha-fetoprotein and albumin during early development. Reynolds ML, et al. **Anat Embryol (Berl)** 1987;175(3):355–63
Incorporation and intracellular hydrolysis of 131 I-albumin injected in rat testis. Bertini F, et al. **Andrologia** 1986 Sep-Oct;18(5):489–94
Reduced leucocyte zinc and albumin-bound zinc in blood of haemodialysis patients. Foote JW, et al. **Ann Clin Biochem** 1987 Mar;24 (Pt 2):198–202
Binding of sodium aurothiomalate to human serum albumin in vitro at physiological conditions. Pedersen SM. **Ann Rheum Dis** 1986 Sep;45(9):712–7
Studies on the transcapillary escape rate of albumin and capillary permeability in rhesus monkeys infected with Plasmodium knowlesi. Areekul S. **Ann Trop Med Parasitol** 1986 Aug;80(4):391–8
Cobinding of bilirubin and sulfonamide and of two bilirubin molecules to human serum albumin: a site model. Brodersen R, et al. **Arch Biochem Biophys** 1987 Feb 1;252(2):561–9
Perfluorochemical emulsion effect on warfarin binding by fraction V human albumin. Parsons DL. **Arch Int Pharmacodyn Ther** 1987 Mar;286(1):23–30
Binding of 3-alkyl-1,4-benzodiazepin-2-one stereoisomers to human serum albumin. Fitos I, et al. **Arch Pharm (Weinheim)** 1986 Aug;319(8):744–9
Effect of nicardipine and verapamil on in vitro albumin transport in rabbit thoracic aorta. Tedgui A, et al. **Arteriosclerosis** 1987 Jan–Feb;7(1):80–7
Wavelength-dependence of the relative rate constants for the main geometric and structural photoisomerization of bilirubin IX alpha bound to human serum albumin. Demonstration of green light at 510 nm as the most effective wavelength in photochemical changes from (ZZ)-bilirubin IX alpha to (EZ)-cyclobilirubin IX alpha via (EZ)-bilirubin. Onishi S, et al. **Biochem J** 1986 May 15;236(1):23–9
Renal plasma membrane receptors for certain modified serum albumins. Evidence for participation of a heparin receptor. Ranganathan PN, et al. **Biochem J** 1986 Nov 1; 239(3):537–43
Serum albumin and the metabolism of disulfiram. Agarwal RP, et al. **Biochem Pharmacol** 1986 Oct 1;35(19):3341–7
Effect of protein concentration on the binding of gold(I) to human serum albumin. Pedersen SM. **Biochem Pharmacol** 1987 Aug 15;36(16):2661–6
Rat testicular testibumin is a protein responsive to follicle stimulating hormone and testosterone that shares immunodeterminants with albumin. Cheng CY, et al. **Biochemistry** 1986 Sep 9;25(18):5276–88
Fibrin assembly in human plasma and fibrinogen/albumin mixtures. Torbet J. **Biochemistry** 1986 Sep 9;25(18):5309–14
Characterization of the aflatoxin B1-binding site of rat albumin. Dirr HW, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):300–7
Plasma zinc levels in diabetes mellitus: relation to plasma albumin and amino acids. Nobels F, et al. **Biomed Pharmacother** 1986;40(2):57–60
Age-dependence and free fatty acid modulation of binding kinetics at the benzodiazepine binding site of serum albumin in neonates and adults determined using fast reaction methods. Menke G, et al. **Br J Clin Pharmacol** 1987 Apr; 23(4):439–45
Distribution of a conjugate of 9-beta-D-arabinofuranosyladenine 5'-monophosphate (ara-AMP) with lactosaminated albumin in parenchymal and sinusoidal cells of rat liver. Fiume L, et al. **Cancer Drug Deliv** 1987 Spring;4(1):11–6
In vitro cytotoxicity of a human serum albumin-mediated conjugate of methotrexate with anti-MM46 monoclonal antibody. Endo N, et al. **Cancer Res** 1987 Feb 15; 47(4):1076–80
Isolation and characterization of the major serum albumin adduct formed by aflatoxin B1 in vivo in rats. Sabbioni G, et al. **Carcinogenesis** 1987 Jun;8(6):819–24
Intracellular transport of albumin through the secretory apparatus of rat liver parenchymal cells. An immunocytochemical study. Yokota S, et al. **Cell Struct Funct** 1987 Jun;12(3):251–64
Uptake of formalin-denaturated albumin by the sinus-lining cells of rat liver: an immunocytochemical and cytochemical study. Yokota S, et al. **Cell Struct Funct** 1987 Jun; 12(3):295–309
Total cholesterol: albumin ratio as an alternative indicator of risk of cardiovascular disease. Atukorala TM, et al. **Ceylon Med J** 1986 Dec;31(4):161–4
Effects of drug bindings on the esterase-like activity of human serum albumin. VII. Subdivision of R-type drugs inhibiting the activity towards p-nitrophenyl acetate. Kurono Y, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb; 35(2):734–9
Effects of albumin and alpha 1-acid glycoprotein on the transport of imipramine and desipramine through the blood-brain barrier in rats. Lin TH, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):294–301
Location of drug binding sites on human serum albumin. Maruyama K, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2989–93
Effects of fatty acid on the specific drug-binding sites of human serum albumin. Maruyama K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3394–402
Interaction of several drugs with Tyr 411 anthraniloyl human serum albumin. Sakamoto H, et al. **Chem Pharm Bull (Tokyo)** 1986 Oct;34(10):4202–6
Displacement effect of ceftriaxone on bilirubin bound to

human serum albumin. Gulian JM, et al. **Chemotherapy** 1986;32(5):399–403
Movement of albumin between plasma and tissues after limb ischaemia in the rat. Barton RN. **Circ Shock** 1987; 22(3):241–9
Effect of albumin on results of an "improved" analog-type assay for free thyroxin [letter] Beck R, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):337–8
A comment on the "Albumin effect" in analog free-thyroxin determinations [letter] Hashimoto T, et al. **Clin Chem** 1987 Jul;33(7):1291–3
Statistics, common sense, and serum free T4 in disease [letter] Lindstedt G, et al. **Clin Chem** 1987 Jul;33(7):1293–4
Albumin in analog FT4 assay reagents: the facts [letter] Wilkins TA. **Clin Chem** 1987 Jul;33(7):1293
Relationship between albumin and fructosamine concentration in diabetic and non-diabetic sera. Johnson RN, et al. **Clin Chim Acta** 1987 Apr 30;164(2):151–62
The effect of fatty acid chain length on the rate of arylester hydrolysis by various albumins. Wolfbeis OS, et al. **Clin Chim Acta** 1987 May 15;164(3):329–37
Platelet hyperaggregability in the nephrotic syndrome which is not dependent on arachidonic acid metabolism or on plasma albumin concentration. Bennett A, et al. **Clin Nephrol** 1987 Apr;27(4):182–8
Colloid osmotic pressure and albumin metabolism during parenteral nutrition. Grünert A. **Curr Stud Hematol Blood Transfus** 1986;(53):18–32
Physiology and pathophysiology of colloid osmotic pressure and albumin metabolism. Lundsgaard-Hansen P. **Curr Stud Hematol Blood Transfus** 1986;(53):1–17 (62 ref.)
Albumin binding of bumetanide. Robertson A, et al. **Dev Pharmacol Ther** 1986;9(4):241–8
Alteration of phenytoin binding by glycosylation of albumin in IDDM. Kemp SF, et al. **Diabetes** 1987 Apr;36(4):505–9
Distribution of endogenous albumin in the glomerular wall of streptozotocin-induced diabetic rats as revealed by high-resolution immunocytochemistry. Bendayan M, et al. **Diabetologia** 1986 Dec;29(12):868–75
Transcapillary escape rate and relative metabolic clearance of glycated and non-glycated albumin in type 1 (insulin-dependent) diabetes mellitus. Bent-Hansen L, et al. **Diabetologia** 1987 Jan;30(1):2–4
Evidence of changes in renal charge selectivity in patients with type 1 (insulin-dependent) diabetes mellitus. Kverneland A, et al. **Diabetologia** 1986 Sep;29(9):634–9
Protein loss during acute graft-versus-host disease: diagnostic and clinical significance. Guiot HF, et al. **Eur J Haematol** 1987 Feb;38(2):187–96
Growth failure due to protein loss in dermatitis. Abrahamov A, et al. **Eur J Pediatr** 1986 Aug;145(3):223–6
Location of penicilloyl groups on CNBr fragments of the albumin from penicillin-treated patients. Lafaye P, et al. **FEBS Lett** 1987 Aug 10;220(1):206–8
Lactosylation of albumin reduces uptake rate of dibromosulfophthalein in perfused rat liver and dissociation rate from albumin in vitro. van der Sluijs P, et al. **Hepatology** 1987 Jul–Aug;7(4):688–95
The role of an albumin receptor in hepatic organic anion uptake: the controversy continues. Wolkoff AW. **Hepatology** 1987 Jul–Aug;7(4):777–9
Complexes of albumin and alpha 1-antitrypsin with Fc-fragment of IgA monomer are disulfide-bound to penultimate C-terminal cysteine in the C alpha 3-domain. Vaerman JP, et al. **Immunol Lett** 1987 May;15(1):67–72
Protein binding studies of enfenamic acid. Rao AB, et al. **Indian J Exp Biol** 1986 Jun;24(6):395–6
Binding of 99mTc(113Sn)-MDP to human serum albumin. The influence of various technetium, tin, and MDP concentrations. Grouls RJ, et al. **Int J Rad Appl Instrum [B]** 1987;14(2):127–32
Increased systemic microvascular albumin flux in septic shock. Groeneveld AB, et al. **Intensive Care Med** 1987; 13(2):140–2
Ultrasonic absorption of bovine serum albumin solutions in the frequency range 60 to 160 kHz. Barnes C, et al. **J Acoust Soc Am** 1986 Nov;80(5):1291–6
The effect of prednisone on the levels of serum albumin of 20 patients with renal transplants. Aplasca EC, et al. **J Am Diet Assoc** 1986 Oct;86(10):1404–5
Cationic neutrophil proteins increase transendothelial albumin movement. Peterson MW, et al. **J Appl Physiol** 1987 Apr;62(4):1521–30
Proton nuclear magnetic resonance study on the multimode interactions of human serum albumin with drug molecules. Oida T. **J Biochem (Tokyo)** 1986 Jul;100(1):99–113
Effect of free fatty acids on the concentration of free thyroxine in human serum: the role of albumin. Mendel CM, et al. **J Clin Endocrinol Metab** 1986 Dec;63(6):1394–9
Free fatty acids alter calcium binding: a cause for misinterpretation of serum calcium values and hypocalcemia in critical illness. Zaloga GP, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1010–4
Role of serum carrier proteins in the peripheral metabolism and tissue distribution of thyroid hormones in familial dysalbuminemic hyperthyroxinemia and congenital elevation of thyroxine-binding globulin. Bianchi R, et al. **J Clin Invest** 1987 Aug;80(2):522–34
Comparison of initial biodistribution patterns of Gd-DTPA and albumin-(Gd-DTPA) using rapid spin echo MR imaging. Schmiedl U, et al. **J Comput Assist Tomogr** 1987 Mar–Apr;11(2):306–13
A new type of albumin with predominantly increased binding affinity for 3,3',5-triiodothyronine in a patient with Graves' disease. Yabu Y, et al. **J Endocrinol Invest** 1987 Apr; 10(2):163–9
Inhibition of glycation of albumin and hemoglobin by acetylation in vitro and in vivo. Rendell M, et al. **J Lab Clin Med** 1986 Oct;108(4):286–93
Characterisation of the polymerised and monomeric human serum albumin binding sites on hepatitis B surface antigen. Ishihara K, et al. **J Med Virol** 1987 Jan;21(1):89–95
Serum albumin (oncotic pressure) correlates with enteral feeding tolerance in the pediatric surgical patient. Ford EG, et al. **J Pediatr Surg** 1987 Jul;22(7):597–9
The effects of pH, calcium and chloride ions on the binding of tolmetin to human serum albumin: circular dichroic, dialysis and fluorometric measurements. Matsuyama K, et al. **J Pharm Pharmacol** 1987 Mar;39(3):190–5
On the binding of cinmetacin and indomethacin to human serum albumin. Montero MT, et al. **J Pharm Pharmacol** 1986 Dec;38(12):925–7
Analysis of chinoform binding to human serum albumin by an improved partition equilibrium method. Tanaka H, et al. **J Pharmacobiodyn** 1986 Dec;9(12):1015–22
SKF 525A displaces drugs from serum alpha 1-acid glycoprotein binding sites. Belpaire FM, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):628–30
Interaction between human serum albumin and alpha 1-acid glycoprotein in the binding of lidocaine to purified protein fractions and sera. Krauss E, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):754–9
Plasma binding of oestradiol in progesterone-treated rats. Shaw MA, et al. **J Steroid Biochem** 1987 Feb;26(2):297–9
Alpha 1-acid glycoprotein and serum binding of drugs in healthy and diseased dogs. Belpaire FM, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):43–8
Failure to detect polyalbumin-binding sites on the woodchuck hepatitis virus surface antigen: implications for the pathogenesis of hepatitis B virus in humans. Pohl CJ, et al. **J Virol** 1986 Dec;60(3):943–9
Studies on HBsAg binding with polymerised human serum albumin by ELISA. Irshad M, et al. **J Virol Methods** 1987 May;16(1–2):75–85
The effect of drugs on bilirubin-albumin binding capacity. Surjono A, et al. **Kobe J Med Sci** 1986 Oct;32(5):163–9
Acetaldehyde modification of proteins as result of ethanol metabolism [letter] Williams A, et al. **Lancet** 1986 Nov 1; 2(8514):1033
A proton relaxation enhancement investigation of the binding of fatty acid spin labels to human serum albumin. Slane JM, et al. **Magn Reson Med** 1986 Oct;3(5):699–706
Isotopic test of capillary permeability to albumin in diabetic patients: effects of hypertension, microangiopathy, and duration of diabetes. Valensi P, et al. **Metabolism** 1987 Sep; 36(9):834–9
Binding and uptake of native and glycosylated albumin-gold complexes in perfused rat lungs. Villaschi S, et al. **Microvasc Res** 1986 Sep;32(2):190–9
Forms of a self associating autoantibody complex between a monoclonal human IgG1 and human serum albumin. Jentoft JE, et al. **Mol Immunol** 1987 Feb;24(2):163–9
Protein aggregates in extracorporally perfused rabbit kidneys. Rossmann P, et al. **Pathol Res Pract** 1987 Feb;182(1):11–22
Fatty acid enhancement of the quantum yield for the formation of lumirubin from bilirubin bound to human albumin. Malhotra V, et al. **Pediatr Res** 1987 Jun; 21(6):530–3
Binding effect of albumin on uptake of bilirubin by brain. Robinson PJ, et al. **Pediatries** 1987 Apr;79(4):553–8
The influence of binding to albumin and alpha 1-acid glycoprotein on the clearance of drugs by the liver. Meijer DK, et al. **Pharm Weekbl [Sci]** 1987 Apr 24;9(2):65–74 (54 ref.)
Accumulation of copper on albumin in bovine plasma in vivo after intravenous trithiomolybdate administration. Mason J, et al. **Res Vet Sci** 1986 Jul;41(1):108–13
Serum binding activity for polymerized human albumin due to antibodies detected by enzyme-linked immunosorbent assay in acute and chronic type B, A and NANB viral hepatitis. Baraldini M, et al. **Ric Clin Lab** 1987 Apr–Jun; 17(2):131–42
Gly-Pro-Arg-Pro derivatives that bind to human plasma albumin and prevent fibrin formation. Kuyas C, et al. **Thromb Res** 1986 Aug 15;43(4):485–90
Influence of serum cholesterol and albumin on partitioning of PCB congeners between human serum and adipose tissue. Guo YL, et al. **Toxicol Appl Pharmacol** 1987 Jan; 87(1):48–56
Mercaptalbumin as a selective cadmium-binding protein in rat serum. Suzuki KT, et al. **Toxicol Appl Pharmacol** 1986 Dec;86(3):466–73
Albumin and globulin turnover in chronic ovine fascioliasis [letter] Holmes PH, et al. **Vet Rec** 1968 Aug 31;83(9):227–8
[Binding capacity of albumin for bilirubin in neonates] Zoban P, et al. **Cesk Pediatr** 1986 Dec;41(12):719–22 (Eng. Abstr.) **(Cze)**
[Plasma binding of drugs in chronic renal failure] Riant P, et al. **Nephrologie** 1986;7(3):89–93 (Eng. Abstr.) **(Fre)**
[Theoretical research on the interaction between drugs and receptor models. VIII. An interaction model for the binding of sulfonamides on human serum albumin] Höltje HD, et al. **Arch Pharm (Weinheim)** 1987 Mar;320(3):234–40 (Eng. Abstr.) **(Ger)**
[Binding of bilirubin to serum albumin in Crigler-Najjar syndrome, type I] Ihara H, et al. **Rinsho Byori** 1986 Sep; 34(9):1075–8 **(Jpn)**
[Enzymatic activity and drug binding activity of human serum albumin] Ikeda K, et al. **Yakugaku Zasshi** 1986 Oct; 106(10):841–55 (41 ref.) (Eng. Abstr.) **(Jpn)**
[Interaction between human serum albumin and thromboxane A2 synthetase inhibitors (OKY-1580 and OKY-046)] Li FL, et al. **Yakugaku Zasshi** 1986 May;106(5):427–31 (Eng. Abstr.) **(Jpn)**
[Microcalorimetric study of the parameters of dicloxacillin binding with human serum albumin at different temperatures] Markovich MN, et al. **Antibiot Med Biotekhnol** 1986 Aug;31(8):603–6 (Eng. Abstr.) **(Rus)**
[The search for photosensitive agents specifically binding to human serum albumin] Vorobei AV, et al. **Biofizika** 1986 Sep–Oct;31(5):757–9 (Eng. Abstr.) **(Rus)**
[Interaction of pyridoxal-5-phosphate with human serum albumin and pancreatic ribonuclease] Moroz AR, et al. **Biokhimiia** 1987 Apr;52(4):550–61 (Eng. Abstr.) **(Rus)**
[Structural and chemical transformations of heat-processed polyacrylonitrile fibers and characteristic parameters of their interactions with thrombocytes and plasma proteins] Nemets EA, et al. **Polim Med** 1986;16(3–4):137–47 (Eng. Abstr.) **(Rus)**
[Binding ability of serum albumin in thermal burns] Salomatin VV, et al. **Vopr Med Khim** 1987 Mar–Apr;33(2):73–7 (Eng. Abstr.) **(Rus)**
[Bilirubin binding to glycosylated human serum albumin] Stepurovo II, et al. **Vopr Med Khim** 1986 Nov–Dec; 32(6):46–8 (Eng. Abstr.) **(Rus)**
[Binding function of the serum albumin in food toxinfections] Andreichin MA, et al. **Vrach Delo** 1986 Sep;(9):112–4 (Eng. Abstr.) **(Rus)**
[In vitro combination of mercaptopurine and human serum albumin] Frutos G, et al. **Rev Esp Oncol** 1985;32(2):255–63 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Accelerated decomposition of 4-hydroxycyclophosphamide by human serum albumin. Kwon CH, et al. **Cancer Res** 1987 Mar 15;47(6):1505–8
Effect of albumin and lamellar bodies on fluorescence polarization of amniotic fluid. Ivie WM, et al. **Clin Chem** 1987 Jul;33(7):1194–7
Effects of hydroxyethylstarch (Hespan), a plasma expander, on the functional activity of the reticuloendothelial system. Comparison with human serum albumin and pyran copolymer. White KL Jr, et al. **Drug Chem Toxicol** 1986; 9(3–4):305–22
Fatty acid induced hemolysis. Protective action of ceruloplasmin, albumins, thiols and vitamin C. Løvstad RA. **Int J Biochem** 1986;18(9):771–5
Coepibolin, the activity of human serum that enhances the cell spreading properties of epibolin, associates with albumin. Stenn KS. **J Invest Dermatol** 1987 Jul;89(1):59–63
Fertilization and early embryonic development in androstenedione-immunized Merino ewes. Boland MP, et al. **J Reprod Fertil** 1986 Nov;78(2):423–31
The relative binding affinity of diethylstilbestrol to uterine nuclear estrogen receptor: effect of serum and serum albumin. Okulicz WC, et al. **Proc Soc Exp Biol Med** 1987 Sep;185(4):478–83

PHYSIOLOGY

Effects of albumin concentration on endothelial albumin transport in vitro. Shasby DM, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H654–61
Fibrinogen enhances and albumin reduces RBC aggregation [letter] Mikhailidis DP, et al. **Angiology** 1987 Aug; 38(8):615–6
Albumin modulates lateral assembly of fibrin polymers: evidence of enhanced fine fibril formation and of unique synergism with fibrinogen. Galanakis DK, et al. **Biochemistry** 1987 Apr 21;26(8):2389–400
Albumin and the systemic circulation. International Albumin Workshop. Grindelwald, March 5–7, 1986. **Curr Stud Hematol Blood Transfus** 1986;(53):1–234
Turbidimetric evaluation of the impact of albumin on the structure of thrombin-mediated fibrin gelation. Carr ME Jr. **Haemostasis** 1987;17(4):189–94
Increased biosynthesis of alkaline phosphatase by serum, serum albumin and gamma globulin in chimpanzee liver cells in culture. Sorimachi K, et al. **Jpn J Exp Med** 1986 Aug;56(4):185–8
Transient post-thyroidectomy hypocalcaemia—the role of parathormone, calcitonin and plasma albumin. Franz RC, et al. **S Afr J Surg** 1987 Jun;25(2):45–9

RADIATION EFFECTS

Photokinetic and photophysical measurements of the sensitized photooxidation of the tryptophyl residue in N-acetyl tryptophanamide and in human serum albumin. Reddi E, et al. **Photochem Photobiol** 1987 Mar;45(3):345–51
[Pulsed radiolysis of aqueous solutions of serum albumin containing naphthoquinones] Pribush AG, et al. **Radiobiologiia** 1987 Jul–Aug;27(4):435–40 (Eng. Abstr.) **(Rus)**

SECRETION

Secretion of human serum albumin from Bacillus subtilis. Saunders CW, et al. **J Bacteriol** 1987 Jul;169(7):2917–25

STANDARDS

Albumin solutions—their production and quality control. Turner PJ, et al. **Dev Biol Stand** 1987;67:119–27

Safety of albumin preparations manufactured from plasma not tested for HIV antibody [letter] Christie RB. **Lancet** 1987 Aug 1;2(8553):283–4

Safety of albumin preparations manufactured from plasma not tested for HIV antibody [letter] Cuthbertson B, et al. **Lancet** 1987 Jul 4;2(8549):41

[Standardization of albumin preparations] Migunov VN, et al. **Gematol Transfuziol** 1987 Mar;32(3):52–4 **(Rus)**

THERAPEUTIC USE

Successful improvement of blood pressure, cardiac output, and spinal cord blood flow after experimental spinal cord injury. Wallace MC, et al. **Neurosurgery** 1987 May; 20(5):710–5

[Diluted albumin-dextran 40 combination in treating arteriopathy of the lower extremities by normovolemic hemodilution. The rheological effects] Stoltz JF, et al. **J Mal Vasc** 1986;11(4):344–50 (Eng. Abstr.) **(Fre)**

[Effectiveness of the protein preparation polybiolin in treating alcoholism patients] Sosin IK, et al. **Vrach Delo** 1986 Sep;(9):86–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Acetaldehyde-modified albumin as hepatotoxic factor [letter] Williams AJ, et al. **Lancet** 1987 Feb 7;1(8528):327

URINE

Urinary excretion of total proteins, albumin, and beta 2-microglobulin during rest and exercise in diabetic adolescents with and without retinopathy. Poortmans J, et al. **Diabetes Care** 1982 Nov–Dec;5(6):617–23

Microalbuminuria predicts mortality in non-insulin-dependent diabetics. Jarrett RJ, et al. **Diabetic Med** 1984 May;1(1):17–9

SERUM ALBUMIN, BOVINE

Preparation of phosphorylcholine derivatives of bovine serum albumin and their application to the affinity chromatography of C-reactive protein. Stults NL, et al. **Anal Biochem** 1987 Mar;161(2):567–73

Simultaneous electrochemical determination of diffusion and partition coefficients of potassium ferrocyanide for albumin–glutaraldehyde membranes. Marrese CA, et al. **Anal Chem** 1987 Jan 15;59(2):248–52

Interferometric determination of the effective diffusion coefficient of albumin in single sepharose beads. Korthäuer W, et al. **Ann NY Acad Sci** 1987;501:517–21

Fourier transform infrared spectra of aqueous protein mixtures using a novel attenuated total internal reflectance cell with infrared fibers. Simhony S, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):1059–63

Direct evidence for the involvement of domain III in the N–F transition of bovine serum albumin. Khan MY. **Biochem J** 1986 May 15;236(1):307–10

Optical detection of triplet-state magnetic resonance studies on individual tryptophan residues of serum albumin: correlation between phosphorescence and zero-field splittings. Mao SY, et al. **Biochemistry** 1987 Jun 2; 26(11):3106–14

Influence of solvent conditions on refolding of bovine serum albumin. Damodaran S. **Biochim Biophys Acta** 1987 Aug 5;914(2):114–21

1H- and 2H-NMR study of bovine serum albumin solutions. Gallier J, et al. **Biochim Biophys Acta** 1987 Sep 2; 915(1):1–18

Preparation and properties of the water-soluble chlorophyll–bovine serum albumin complexes. Shibata H, et al. **Biochim Biophys Acta** 1986 Dec 3;852(2–3):175–82

Influence of succinylation of bovine serum albumin on its conformation and bilirubin binding. Tayyab S, et al. **Biochim Biophys Acta** 1987 Jul 7;913(3):359–67

Character of adsorbed bovine serum albumin from adsorption enthalpies. Filisko FE, et al. **Biomaterials** 1986 Sep; 7(5):348–53

FTIR–ATR studies of the effect of shear rate upon albumin adsorption onto polyurethaneurea. Pitt WG, et al. **Biomaterials** 1986 Sep;7(5):340–7

Isosteric conversion of protein carboxyl groups into carboxamide groups. II. Application to lysozyme. Kooistra C, et al. **Int J Pept Protein Res** 1987 Mar;29(3):357–67

Water structure in modified bovine plasma albumin (BPA) gel and bovine mercaptalbumin solution. 1H-n.m.r. studies. Sogami M, et al. **Int J Pept Protein Res** 1986 Aug; 28(2):130–40

A correlation between changes in conformation and molecular properties of bovine serum albumin upon succinylation. Tayyab S, et al. **J Biochem (Tokyo)** 1986 Nov;100(5):1125–36

Protein damage and degradation by oxygen radicals. IV. Degradation of denatured protein. Davies KJ, et al. **J Biol Chem** 1987 Jul 15;262(20):9914–20

Protein damage and degradation by oxygen radicals. III. Modification of secondary and tertiary structure. Davies KJ, et al. **J Biol Chem** 1987 Jul 15;262(20):9908–13

Fluorescence lifetime measurements using total internal reflection fluorimetry: evidence for a conformational change in albumin adsorbed to quartz. Rainbow MR, et al. **J Biomed Mater Res** 1987 May;21(5):539–55

Direct analytical and preparative resolution of enantiomers using albumin adsorbed to silica as a stationary phase. Erlandsson P, et al. **J Chromatogr** 1986 Dec 24; 370(3):475–83

Arginyl residues and thermal stability in proteins. Qaw FS, et al. **Mol Cell Biochem** 1986 Aug;71(2):121–7

[Transport of low molecular weight substances in protein crystals and films] Botin AS, et al. **Biofizika** 1987 Jan–Feb; 32(1):26–31 (Eng. Abstr.) **(Rus)**

[Effect of beta-endorphin conjugate with bovine serum albumin on conditioned feeding reflexes in the hedgehog] Pankov IuA, et al. **Dokl Akad Nauk SSSR** 1987; 293(3):755–9 **(Rus)**

ANALYSIS

Inactivation of follicle-stimulating hormone by a factor in a bovine serum albumin preparation. Caron PJ, et al. **Biol Reprod** 1986 Oct;35(3):717–23

Diffusion-controlled association of a dye, 1-anilinonaphthalene-8-sulfonic acid, to a protein, bovine serum albumin, using a fast-flow microsecond mixer and stopped-flow. Regenfuss P, et al. **Biophys Chem** 1987 Apr; 26(1):83–9

In vitro release of poly(ethylene oxides) from serum albumin microspheres. Ishizaka T, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3341–7

Detection of bovine serum albumin in the circulating IgA immune complexes of patients with IgA nephropathy. Yap HK, et al. **Clin Immunol Immunopathol** 1987 Jun; 43(3):395–402

Further evidence for the heterogeneity of serum albumin. Darcel CL, et al. **Comp Biochem Physiol [B]** 1986; 85(1):15–22

The preparation and properties of a highly specific antiserum elicited with 3-dehydrocholylglycine 3-succinyl-bovine serum albumin conjugate. Orbán EC, et al. **Int J Rad Appl Instrum [B]** 1986;13(3):285–7

A comparison of an enzyme-linked immunosorbent assay and counter current electrophoresis for the detection of bovine serum albumin in virus vaccines. ter Avest AR, et al. **J Biol Stand** 1987 Jul;15(3):245–50

Effects of pretreatment on the enantioselectivity of silica-bound bovine serum albumin used as high-performance liquid chromatographic stationary phases. Aubel M, et al. **J Chromatogr** 1987 Apr 17; 392:415–20

Effect of mass loadability, protein concentration and n-alkyl chain length on the reversed-phase high-performance liquid chromatographic behaviour of bovine serum albumin and bovine follicular fluid inhibin. de Vos FL, et al. **J Chromatogr** 1987 Apr 17;392:17–32

An improved acid blue 90-dye-binding method with equal sensitivity to albumin and globulin. Appenroth KJ, et al. **Z Med Lab Diagn** 1986;27(6):327–31

ANTAGONISTS & INHIBITORS

Electrical charge and joint inflammation. Suppression of cationic aBSA-induced arthritis with a competitive polycation. van den Berg WB, et al. **Am J Pathol** 1987 Apr;127(1):15–26

CHEMICAL SYNTHESIS

Chemical synthesis and seroreactivity of O-(3,6-di-O-methyl-beta-D-glucopyranosyl)-(1——4)-O-(2,3-di-O-methyl-alpha-L-rhamnopyranosyl)-(1——9)-oxynonanoyl-bovine serum albumin—the leprosy-specific, natural disaccharide-octyl-neoglycoprotein. Chatterjee D, et al. **Carbohydr Res** 1986 Nov 15;156:39–56

DIAGNOSTIC USE

Comparison of the contrast-enhancing properties of albumin-(Gd-DTPA) and Gd-DTPA at 2.0 T: and experimental study in rats. Schmiedl U, et al. **AJR** 1986 Dec;147(6):1263–70

Accuracy of Ektachem DT system for urea improved by using 70 g/L albumin solution as diluent. Orrell JM, et al. **Clin Chem** 1987 Jun;33(6):1078

Bovine serum albumin—haloperidol as a tool for the study of dopaminergic transmission: behavioural and neurochemical effects following a single injection in the nucleus accumbens. Taghzouti K, et al. **Life Sci** 1987 Jan 12;40(2):127–37

IMMUNOLOGY

Induction of plasma cell tumours with 2,6,10,14-tetramethylpentadecane (pristane) and paraffin oil (paraffinum perliquidum) in BALB/c mice simultaneously exposed to sustained antigenic stimulation with bovine serum albumin (BSA). Janz S, et al. **Arch Geschwulstforsch** 1987;57(1):25–30

Peptic fragments of bovine serum albumin bind antigen-specific T suppressor cells from orally tolerized mice. Zhang Z, et al. **Cell Immunol** 1987 Feb;104(2):426–33

Relationship of the quality and quantity of circulating anti-BSA antibodies to the severity of glomerulonephritis in rats with chronic serum sickness. Noble B, et al. **Clin Exp Immunol** 1987 Feb;67(2):277–82

Rat bovine serum albumin (BSA) nephritis. VI. The influence of chemically altered antigen. Yamamoto T, et al. **Clin Exp Immunol** 1986 Jul;65(1):51–6

Immunomodulation with liposomes: the immune response elicited by liposomes with entrapped dichloromethylene-diphosphonate and surface-associated antigen or hapten. Claassen E, et al. **Immunology** 1987 Apr; 60(4):509–15

Isolation of a bovine serum albumin-specific T-suppressor cell clone and evaluation of its in vitro functions. Degwert J, et al. **Immunology** 1987 Mar;60(3):345–52

Idiotype regulation of the anti-bovine serum albumin response. I. Generation of an idiotype-specific Lyt-1-2+ suppressor T cell. Eddy NK, et al. **J Immunol** 1987 Mar 15;138(6):1693–8

Cationization of protein antigens. II. Alteration of regulatory properties. Muckerheide A, et al. **J Immunol** 1987 May 1;138(9):2800–4

Cationization of protein antigens. I. Alteration of immunogenic properties. Muckerheide A, et al. **J Immunol** 1987 Feb 1;138(3):833–7

[Induction of membranous glomerulonephritis by administration of cationic antigen in chronic serum sickness nephritis in rabbits] Kobayashi M, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):699–705 (Eng. Abstr.) **(Jpn)**

[Immunologic and pharmacologic activity of atropine-protein conjugates] Kozlov VK, et al. **Biull Eksp Biol Med** 1986 Nov;102(11):580–3 (Eng. Abstr.) **(Rus)**

[Effect of heparin on the immunogenicity of electrostatic covalent albumin complexes with synthetic polyions. Immunogenicity of the triple covalent complex polyelectrolyte-protein-heparin] Petrov RV, et al. **Mol Gen Mikrobiol Virusol** 1986 Jun;(6):30–5 (Eng. Abstr.) **(Rus)**

[Effect of soybean trypsin inhibitor and chicken ovomucoid on the immunogenic and sensitizing properties of various dietary proteins] Sadykova RE, et al. **Vopr Pitan** 1987 Jan–Feb;(1):43–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Altered N——F transition in bovine serum albumin dimer and tetramer. Mir MM, et al. **Biochem Int** 1986 Sep; 13(3):487–91

Isolation and characterization of the major serum albumin adduct formed by aflatoxin B1 in vivo in rats. Sabbioni G, et al. **Carcinogenesis** 1987 Jun;8(6):819–24

METABOLISM

p-Nitrosophenetole: a reactive intermediate of phenacetin that binds to protein. Hinson JA, et al. **Adv Exp Med Biol** 1986;197:691–6

Cross-linking of protein molecules by the reactive metabolite of acetaminophen, N-acetyl-p-benzoquinone imine, and related quinoid compounds. Streeter AJ, et al. **Adv Exp Med Biol** 1986;197:727–37

The role of aspartic and cysteine proteinases in albumin degradation by rat kidney cortical lysosomes. Baricos WH, et al. **Arch Biochem Biophys** 1987 Aug 1;256(2):687–91

Degradation of proteins with blocked amino groups by cytoplasmic proteases. Murakami K, et al. **Biochem Biophys Res Commun** 1987 Aug 14;146(3):1249–55

Effects of various basic compounds on the degradation of formaldehyde-treated 125I-labeled bovine serum albumin in mouse liver lysosomes. Matsumoto Y, et al. **Biochem Med Metab Biol** 1987 Apr;37(2):220–7

Activity coefficients of salts in highly concentrated protein solutions. II. Potassium salts in isoionic bovine serum albumin solutions. Reboiras MD, et al. **Biophys Chem** 1986 Aug;24(3):249–57

Role of albumin for the cholesterol transport and on the steroidogenic pathways in serum-free medium newborn rat adrenocortical cell cultures. Hammami M, et al. **Cell Biol Int Rep** 1986 Aug;10(8):649–58

In vivo binding and uptake of low-density lipoprotein-gold- and albumin-gold conjugates by parenchymal and sinusoidal cells of the fetal rat liver. Franke H, et al. **Cell Tissue Res** 1987 Jul;249(1):221–6

Interaction of protein- and DNA-loaded liposomes with sperm cells. Boda K, et al. **Folia Biol (Praha)** 1987; 33(2):93–7

Cu(II)-BSA complexes and their identification by the ESR method. Asaturian RA. **Gen Physiol Biophys** 1986 Feb; 5(1):105–8

Kinetics of formation of hydrophobic regions during refolding of bovine serum albumin. Damodaran S. **Int J Pept Protein Res** 1986 Jun;27(6):589–96

Vitamin C-bovine serum albumin binding behaviour. Meucci E, et al. **Ital J Biochem** 1987 Mar–Apr;36(2):75–81

Transendothelial albumin flux: evidence against asymmetric transport. Siflinger-Birnboim A, et al. **J Appl Physiol** 1986 Dec;61(6):2035–9

Carbon 13 NMR studies of saturated fatty acids bound to bovine serum albumin. I. The filling of individual fatty acid binding sites. Cistola DP, et al. **J Biol Chem** 1987 Aug 15;262(23):10971–9

Carbon 13 NMR studies of saturated fatty acids bound to bovine serum albumin. II. Electrostatic interactions in individual fatty acid binding sites. Cistola DP, et al. **J Biol Chem** 1987 Aug 15;262(23):10980–5

Location of long chain fatty acid–binding sites of bovine serum albumin by affinity labeling. Reed RG. **J Biol Chem** 1986 Nov 25;261(33):15619–24

Selective covalent labeling of cysteines in bovine serum albumin and in hepatoma tissue culture cell glucocorticoid receptors by dexamethasone 21–mesylate. Simons SS Jr. **J Biol Chem** 1987 Jul 15;262(20):9669–75

Histamine type I receptor occupancy increases endothelial cytosolic calcium, reduces F–actin, and promotes albumin diffusion across cultured endothelial monolayers. Rotrosen D, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2379–87

A spectroscopic study of nickel(II)–bovine serum albumin binding and reactivity. Laurie SH, et al. **J Inorg Biochem** 1986 Dec;28(4):431–9

In vivo intestinal uptake of immunoreactive bovine albumin in piglet enteritis. Keljo DJ, et al. **J Pediatr Gastroenterol Nutr** 1987 Jan–Feb;6(1):135–40

Whole protein uptake and metabolism by mouse blastocysts. Pemble LB, et al. **J Reprod Fertil** 1986 Sep;78(1):149–57

Estradiol membrane binding sites on human breast cancer cell lines. Use of a fluorescent estradiol conjugate to demonstrate plasma membrane binding systems. Berthois Y, et al. **J Steroid Biochem** 1986 Dec;25(6):963–72

ATP-dependent degradation of 125I–bovine serum albumin by rabbit reticulocytes does not need repression of an endogenous inhibitor. Saus J, et al. **Physiol Chem Phys Med NMR** 1987;19(1):51–7

The permeability of aortic endothelium to 125I–BSA in hyperlipidemic hamster. Effect of histamine and serotonin. Georgescu L, et al. **Physiologie** 1986 Oct–Dec;23(4):221–5

[The interactions between dantrolene and bovine serum albumin] Tanaka S, et al. **Masui** 1987 Jan;36(1):65–70 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inhibition of lipid oxidation by serum and albumin. Robak J, et al. **Acta Physiol Pol** 1986 Mar–Apr;37(2):100–7

Factors influencing invasion of erythrocytes by Plasmodium falciparum parasites: the effects of an N–acetyl glucosamine neoglycoprotein and an anti–glycophorin A antibody. Hadley TJ, et al. **Am J Trop Med Hyg** 1986 Sep; 35(5):898–905

Immune–induced vascular connective tissue alterations in rabbits chronically immunized with bovine serum albumin: morphological and morphometric studies on normal and injured thoracic aorta. Jensen BA, et al. **Br J Exp Pathol** 1986 Oct;67(5):657–66

The effect of macromolecular conjugates of daunorubicin on nuclear ultrastructure in Trypanosoma brucei rhodesiense. Golightly L, et al. **Cell Biol Int Rep** 1986 Sep; 10(9):717–25

Effect of albumin on taurocholate uptake kinetics in rat liver. Aldini R, et al. **Clin Sci** 1987 Jan;72(1):11–7

The effects of bovine serum albumin and oleic acid on rat pancreatic lipase and bovine milk lipoprotein lipase. Posner I, et al. **Comp Biochem Physiol [B]** 1987;87(1):137–41

Human erythropoiesis in vitro and the source of burst–promoting activity in a serum–free system. Konwalinka G, et al. **Exp Hematol** 1986 Nov; 14(10):899–903

Macrophage migration inhibition induced by MDP, LPS, PMA, and MIF/MAF: reversal by macrophage migration enhancement factor (MEF), L–fucose, L–fucosyl BSA, D–mannose, and D–mannosyl BSA. Gordon MR, et al. **J Leukocyte Biol** 1987 Sep;42(3):197–203

Potentiation by bovine serum albumin (BSA) of endothelium–dependent vasodilator response to acetyl glyceryl ether phosphorylcholine (AGEPC). Shigenobu K, et al. **J Pharmacobiodyn** 1987 May;10(5):220–8

Effects of commercial and partially purified bovine serum albumin on dog renin activity. Nigawara K, et al. **Nippon Jinzo Gakkai Shi** 1986 Sep;28(9):1277–83

Experimental stimulation of eosinophil production in the domestic fowl (Gallus gallus domesticus). Maxwell MH, et al. **Res Vet Sci** 1986 Jul;41(1):114–23

PHYSIOLOGY

Effects of fetal calf serum and bovine serum albumin on in vitro maturation and fertilization of bovine and hamster cumulus–oocyte complexes. Leibfried–Rutledge ML, et al. **Biol Reprod** 1986 Nov;35(4):850–7

Hemagglutination enhancement by bovine serum albumin is affected by octanoate, Reactive Blue 2 (Cibacron Blue), and polymer. King MJ. **Transfusion** 1987 Jul–Aug; 27(4):302–8

RADIATION EFFECTS

The effect of a protein on the radiolysis of DNA studied by HPLC and pulse radiolysis. Schuessler H, et al. **Int J Radiat Biol** 1987 Aug;52(2):269–79

Urocanic acid photobiology. Photochemical binding of urocanic acid to bovine serum albumin. Deibel RM, et al. **Photochem Photobiol** 1987 Mar;45(3):421–3

SERUM ALBUMIN, RADIO–IODINATED

DIAGNOSTIC USE

Food proteins and gut mucosal barrier. IV. Effects of acute and chronic ethanol administration on handling and uptake of bovine serum albumin by rat small intestine. Stern M, et al. **Dig Dis Sci** 1986 Nov;31(11):1242–8

METABOLISM

Biodistribution in rats of 99Tcm–labelled human serum albumin. Kristensen K. **Nucl Med Commun** 1986 Aug; 7(8):617–24

The effect of a corticosteroid on the absorption of 131I–albumin from rabbit knee joint. Jakobsen J, et al. **Z Rheumatol** 1986 Jul–Aug;45(4):152–4

SERUM AMYLOID PROTEIN A see **AMYLOID PROTEIN SAA**

SERUM GLOBULINS

[Use of bovine conglutinin in the detection of immune complexes] Sadykov KB, et al. **Lab Delo** 1987;(5):377–9 (Eng. Abstr.) **(Rus)**

[Apheresis of euglobulins, cryoglobulins and the von Willebrand factor in vasculitis] Savchenko VG, et al. **Ter Arkh** 1987;59(6):75–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Indicators of depressed fibrinolytic activity in pre–operative prediction of deep venous thrombosis. Sue–Ling HM, et al. **Br J Surg** 1987 Apr;74(4):275–8

Acid gel and chromic chloride jellification in normal and pathological human sera. Pidetcha P, et al. **J Med Assoc Thai** 1986 Aug;69(8):452–5

Evaluation of albumin–globulin ratio to confirm the clinical stages of sarcoidosis. Nandedkar AK, et al. **J Natl Med Assoc** 1986 Oct;78(10):969–71

Concentration of 125globulins in intestinal tissues of immunized and non–immunized chickens infected with Eimeria acervulina. McKenzie ME, et al. **J Parasitol** 1986 Oct;72(5):791–2

An improved acid blue 90–dye–binding method with equal sensitivity to albumin and globulin. Appenroth KJ, et al. **Z Med Lab Diagn** 1986;27(6):327–31

[Statistical study on 1166 electrophoretic patterns relating to normal persons, 20–50 years of age, within the population of the town of Terni] Prete C, et al. **Nuovi Ann Ig Microbiol** 1985 Sep–Oct;36(5):389–93 (Eng. Abstr.) **(Ita)**

[Preliminary studies of the effect of occupational exposure to metallic mercury on plasma levels of immune and transport glycoproteins] Sikorski R, et al. **Pol Tyg Lek** 1986 Jul 7;41(27):855–7 (Eng. Abstr.) **(Pol)**

[Composition of serum euglobulins in diabetic microangiopathies] Dubrovskaia GV, et al. **Sov Med** 1986; (7):29–33 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Presence of HTLV–III antibodies in immune serum globulin preparations. Lai–Goldman M, et al. **Am J Clin Pathol** 1987 May;87(5):635–9

[Anaphylactogenicity of dextran–conjugated serum globulins] Ivanov AA, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):719–22 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Guinea pig plasma murinoglobulin. Purification and some properties. Suzuki Y, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):579–89

METABOLISM

The carbohydrate specificity of conglutinin and its homology to proteins in the hepatic lectin family. Young NM, et al. **Biochem Biophys Res Commun** 1987 Mar 13;143(2):645–51

A selective depression of tissue plasminogen activator (t–PA) activity in euglobulins characterises a risk group among survivors of acute myocardial infarction. Gram J, et al. **Thromb Haemost** 1987 Apr 7;57(2):137–9

Albumin and globulin turnover in chronic ovine fascioliasis [letter] Holmes PH, et al. **Vet Rec** 1968 Aug 31;83(9):227–8

[Permeability of the blood–brain barrier to blood globulins after allotransplantation of embryonal tissue into the brain of intact and hypoxic adult rats] Saburina IN, et al. **Dokl Akad Nauk SSSR** 1987 Jan–Feb;292(1):209–11 **(Rus)**

[Permeability of the barrier formations of the eye for native autogenous serum globulins in rabbits with neurogenic dystrophy] Gorban' VA. **Patol Fiziol Eksp Ter** 1987 Jan–Feb;(1):13–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The diurnal increase in euglobulin fibrinolytic activity in women using oral contraceptives and in normal women, and the generation of intrinsic fibrinolytic activity. Jespersen J. **Thromb Haemost** 1986 Oct 21;56(2):183–8

[Fibrinolytic activity of the plasma euglobulin fraction in men with coronary disease (under age 60)] Mamont B, et al. **Kardiol Pol** 1986;29(10):698–701 (Eng. Abstr.) **(Pol)**

SERUM PROTEINS see **BLOOD PROTEINS**

SERUM SIALOMUCIN see **OROSOMUCOID**

SERUM SICKNESS

CHEMICALLY INDUCED

Serum sickness–like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase. Noel J, et al. **Am Heart J** 1987 Feb;113(2 Pt 1):395–7

Three cases of illness during a drug trial in healthy volunteers. Fazackerley EJ, et al. **Br Med J** 1987 Feb 28; 294(6571):562–3

The development and use of analytical methods for investigation of pathophysiological and immunopathological mechanisms in serum–sickness like reactions during penicillin treatment. Brandslund I. **Dan Med Bull** 1986 Dec;33(6):304–19 (217 ref.)

Serum sickness associated with cefoxitin and pentoxifylline therapy. Panwalker AP, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):953–4

COMPLICATIONS

Serum–sickness–like disease is a common cause of acute arthritis in children. Kunnamo I, et al. **Acta Paediatr Scand** 1986 Nov;75(6):964–9

Antinephritic effect of prostaglandin E1 on serum sickness nephritis in rats. (3). Suppression of leukocytes by prostaglandin E1 as a mechanism for preventing immune complex glomerulonephritis. Nagamatsu T, et al. **Jpn J Pharmacol** 1986 Sep;42(1):109–16

ETIOLOGY

Acute serum sickness with glomerulonephritis induced by antithymocyte globulin. Cunningham E, et al. **Transplantation** 1987 Feb;43(2):309–12

[Complications after specific prevention of tetanus] Korableva NN, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):90–3 **(Rus)**

IMMUNOLOGY

Role of antigenic charge and antibody avidity on the glomerular immune complex localization in serum sickness of mice. Koyama A, et al. **Clin Exp Immunol** 1986 Jun; 64(3):606–14

Immunologic studies in subjects with a serum sickness–like illness after immunization with human diploid cell rabies vaccine. Warrington RJ, et al. **J Allergy Clin Immunol** 1987 Apr;79(4):605–10

Direct antigen binding to glomerular immune complex deposits. Ward DM, et al. **Kidney Int** 1986 Nov; 30(5):706–11

[The manner of platelet activation in acute serum sickness induced by stepwise charge modified ferritin] Kikuchi H, et al. **Nippon Jinzo Gakkai Shi** 1987 Feb;29(2):167–74 (Eng. Abstr.) **(Jpn)**

[Induction of membranous glomerulonephritis by administration of cationic antigen in chronic serum sickness nephritis in rabbits] Kobayashi M, et al. **Nippon Jinzo Gakkai Shi** 1986 Jun;28(6):699–705 (Eng. Abstr.) **(Jpn)**

[Current aspects of serum sickness] García Ortega MP. **Med Clin (Barc)** 1986 Oct 11;87(11):472–6 (27 ref.) **(Spa)**

PATHOLOGY

Wallace's Line in serum sickness and Kawasaki disease [letter] Bernhard JD, et al. **Br J Dermatol** 1986 Nov; 115(5):640

THERAPY

Treatment of acute serum sickness by plasma ultrafiltration. Kilpatrick JM, et al. **Am J Med Sci** 1987 Feb;293(2):75–84

SERYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

SESAME OIL see under **PLANT OILS**

SESAMOID BONES

Common peroneal nerve palsy associated with the fabella syndrome. Kubota Y, et al. **Anesthesiology** 1986 Nov; 65(5):552–3

ANATOMY & HISTOLOGY

Anatomy and pathology of the sesamoid bones. The hand compared to the foot. Goldberg I, et al. **Int Orthop** 1987; 11(2):141–7

INJURIES

Knee dysfunction secondary to dislocation of the fabella. Frey C, et al. **Clin Orthop** 1987 Sep;(222):223–7

Injuries to the hallucal sesamoids in the athlete. Richardson EG. **Foot Ankle** 1987 Feb;7(4):229–44

Fracture of the thumb sesamoid bones. Hansen CA, et al. **J Hand Surg [Am]** 1987 Mar;12(2):269–70

Condylar fracture of the cannon bone with axial sesamoid fracture in three horses. Greet TR. **Vet Rec** 1987 Mar 7; 120(10):223–5

[Diagnosis and treatment of sesamoid bone fractures in the dog foot] Krooshof Y, et al. **Tijdschr Diergeneeskd** 1986 Dec 1;111(23):1167–72 (Eng. Abstr.) **(Dut)**

PATHOLOGY

[Roentgenologic and comparative pathomorphologic studies of navicular bones with special reference to the sesamoid canals—a contribution to the diagnosis of podotrochilosis] Hertsch B, et al. **DTW** 1986 Sep 8;93(8):353–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Traumatic dislocation with sesamoid entrapment in the interphalangeal joint of the great toe. Kursunoglu S, et al. **J Trauma** 1987 Aug;27(8):959–61

SURGERY

Shelling the sesamoid in the McBride procedure. Andrews ET. **Orthopedics** 1986 Dec;9(12):1683–4

["Sesamoiditis" of the metatarsophalangeal joint]Lindner HO, et al. **Zentralbl Chir** 1987;112(12):776–9 (Eng. Abstr.) **(Ger)**

SESQUITERPENES

Trichothecenes and yellow rain: possible biological warfare agents. Dashek WV, et al. **Bioessays** 1986 Jan;4(1):27–30

Biochemical changes in subacute mycotoxicosis induced by T-2 toxin in rats. Kravchenko LV, et al. **Toxicology** 1986 Dec 1;42(1):77–83

ADMINISTRATION & DOSAGE

Cardiovascular effects of mycotoxin T-2 after topical application in rats. Magnuson BA, et al. **Can J Physiol Pharmacol** 1987 May;65(5):799–802

ADVERSE EFFECTS

Molecular recognition patterns of sesquiterpene lactones in costus-sensitive patients. Benezra C, et al. **Contact Dermatitis** 1986 Oct;15(4):223–30

ANALYSIS

Repetitive hit-and-run fluoroimmunoassay for T-2 toxin. Warden BA, et al. **Anal Biochem** 1987 May 1;162(2):363–9

Supercritical fluid extraction and direct fluid injection mass spectrometry for the determination of trichothecene mycotoxins in wheat samples. Kalinoski HT, et al. **Anal Chem** 1986 Oct;58(12):2421–5

High-performance liquid chromatographic determination of artemisinine (qinghaosu) in human plasma and saliva. Zhao SS. **Analyst** 1987 May;112(5):661–4

Comparative yields of T-2 toxin and related trichothecenes from five toxicologically important strains of Fusarium sporotrichioides. Marasas WF, et al. **Appl Environ Microbiol** 1987 Apr;53(4):693–6

Trichothecene mycotoxins in aerosolized conidia of Stachybotrys atra. Sorenson WG, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1370–5

Mass spectral investigations on trichothecene mycotoxins. I. Application of negative ion chemical ionization techniques for the simultaneous and accurate analysis of simple trichothecenes in picogram levels. Krishnamurthy T, et al. **Biomed Environ Mass Spectrom** 1986 Sep; 13(9):503–18

Simultaneous analysis of T-2 toxin and HT-2 toxin by an indirect enzyme-linked immunosorbent assay. Fan TS, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):657–61

Development of mass spectral library of trichothecenes based on positive chemical ionization mass spectra. Hewetson DW, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug; 70(4):647–53

Detection and quantitation of T-2 mycotoxin in rat organs by radioimmunoassay. Hewetson JF, et al. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):654–7

Mass spectral investigations on trichothecene mycotoxins. II. Detection and quantitation of macrocyclic trichothecenes by gas chromatography/negative ion chemical ionization mass spectrometry. Krishnamurthy T, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):132–40

Simultaneous analysis of nivalenol and deoxynivalenol in cereals by liquid chromatography. Lauren DR, et al. **J Assoc Off Anal Chem** 1987 May–Jun;70(3):479–83

Fast and sensitive screening method for detection of trichothecenes in maize by using protein synthesis inhibition in cultured fibroblasts. Scossa-Romano DA, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):129–32

Determination of nivalenol and deoxynivalenol in cereals by electron-capture gas chromatography. Scott PM, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):889–93

Mass spectrometric evidence for demethylated homologs occurring at trace levels in trichothecene standards. Visconti A, et al. **J Assoc Off Anal Chem** 1987 Mar–Apr; 70(2):193–6

Gas chromatographic determination of deoxynivalenol in wheat with electron capture detection: collaborative study. Ware GM, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct; 69(5):899–901

Instability of some trichothecenes in methanol. Wei RD, et al. **J Assoc Off Anal Chem** 1986 Sep–Oct;69(5):902–3

Radioimmunoassay of deoxynivalenol in wheat and corn. Xu YC, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec; 69(6):967–9

Detection of trace levels of trichothecene mycotoxins in environmental residues and foodstuffs using gas chromatography with mass spectrometric or electron-capture detection. Black RM, et al. **J Chromatogr** 1987 Feb 13;388(2):365–78

Sponge secondary metabolites: biochemical and ultrastructural localization of the antimitotic agent avarol in Dysidea avara. Müller WE, et al. **J Histochem Cytochem** 1986 Dec;34(12):1687–90

Studies on the detrimental effects of bivalent binding in a microtitration plate ELISA and possible remedies. Kemp HA, et al. **J Immunol Methods** 1986 Nov 20;94(1–2):65–72

Diacetoxyscirpenol detected in mouldy pig feed in the western Cape [letter] Collett MG, et al. **J S Afr Vet Assoc** 1986 Mar;57(1):74

The development of an ELISA-assay for semi-quantitative detection of dihydrogriesenin, a sesquiterpene lactone from Geigeria. Verschoor JA, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):1–4

Gas chromatographic determination of deoxynivalenol in cereals. Mulders EJ, et al. **Z Lebensm Unters Forsch** 1986 Dec;183(6):406–9

[Factors affecting the content of artemisinin] Chen HR. **Chung Yao Tung Pao** 1986 Jul;11(7):9–11 **(Chi)**

[Helenine and santonine, the 12-carboxy-eudesma-3,11(13) diene] Azoulay P, et al. **Pharm Acta Helv** 1986; 61(12):345–52 (Eng. Abstr.) **(Fre)**

[Analysis and action of cnicin] Schneider G, et al. **Planta Med** 1987 Jun;53(3):247–51 (Eng. Abstr.) **(Ger)**

[Studies on the chemical analysis of mycotoxin (XVI). Fate of nivalenol and deoxynivalenol in foods and contaminated wheat during cooking, cleaning and milling processes] Isohata E, et al. **Eisei Shikenjo Hokoku** 1986;(104):144–7 (Eng. Abstr.) **(Jpn)**

[Studies on the chemical analysis of mycotoxin (XV). Analysis of nivalenol and deoxynivalenol in imported cereals, baby foods and processed foods (confectioneries)] Isohata E, et al. **Eisei Shikenjo Hokoku** 1986;(104):113–8 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Protective effect of vitamins against trichothecene toxicity towards Saccharomyces cerevisiae. Yagen B, et al. **Experientia** 1987 Aug 15;43(8):886–8

Therapeutic efficacy of superactive charcoal in rats exposed to oral lethal doses of T-2 toxin. Galey FD, et al. **Toxicon** 1987;25(5):493–9

Assessment of potential therapies for acute T-2 toxicosis in the rat. Poppenga RH, et al. **Toxicon** 1987;25(5):537–46

BIOSYNTHESIS

T-2 toxin production by Fusarium acuminatum isolated from oats and barley. Rabie CJ, et al. **Appl Environ Microbiol** 1986 Sep;52(3):594–6

Biosynthesis of the sesquiterpene patchoulol from farnesyl pyrophosphate in leaf extracts of Pogostemon cablin (patchouli): mechanistic considerations. Croteau R, et al. **Arch Biochem Biophys** 1987 Jul;256(1):56–68

Production of deoxynivalenol and zearalenone by isolates of Fusarium graminearum Schw. Megalla SE, et al. **J Basic Microbiol** 1986;26(7):415–9

Precursor supply for insect juvenile hormone III biosynthesis in a cockroach. Feyereisen R, et al. **J Biol Chem** 1987 Feb 25;262(6):2676–81

Production of artemisinin in tissue cultures of Artemisia annua. Nair MS, et al. **J Nat Prod** 1986 May–Jun; 49(3):504–7

The intrinsic synthesis of juvenile hormone-III diol by locust corpora allata in vitro. Gadot M, et al. **Mol Cell Endocrinol** 1987 Feb;49(2–3):99–107

Preliminary observation on seasonal changes of trichothecene mycotoxin production by fusaria. Chelkowski J, et al. **Nahrung** 1987;31(2):173–4

Metabolic conversions of trichothecene mycotoxins: biotransformation of 3-acetyldeoxynivalenol into fusarenon-X. Baldwin NC, et al. **Z Naturforsch [C]** 1986 Sep–Oct;41(9–10):845–50

[Effect of culture conditions on the production of trichothecenes in strains of Fusarium] Basilico JC, et al. **Rev Latinoam Microbiol** 1986 Apr–Jun;28(2):153–5 (Eng. Abstr.) **(Spa)**

BLOOD

Detection of trace levels of trichothecenes in human blood using capillary gas chromatography-electron-capture negative ion chemical ionisation mass spectrometry. Begley P, et al. **J Chromatogr** 1986 Sep 26;367(1):87–101

Analysis of trichothecene mycotoxins in human blood by capillary column gas chromatography-ammonia chemical ionization mass spectrometry. D'Agostino PA, et al. **J Chromatogr** 1986 Sep 26;367(1):77–86

Analysis of artesunic acid and dihydroqinghaosu in blood by high-performance liquid chromatography with reductive electrochemical detection. Zhou ZM, et al. **J Chromatogr** 1987 Feb 20;414(1):77–90

CHEMICAL SYNTHESIS

[Studies on analogs of qinghaosu. VI. Synthesis of dihydroartemisic acid from the degradation product of qinghaosu-diketone] Li Y, et al. **Yao Hsueh Hsueh Pao** 1986 Dec;21(12):899–905 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Tresyl activation of a hydroxyalkyl ligand for coupling to a hydrazide gel: stable immobilization of T-2 toxin for affinity purification of T-2 antibody. Allam KI, et al. **Anal Biochem** 1987 Apr;162(1):171–7

Production and characterization of a generic antibody against group A trichothecenes. Wei RD, et al. **Anal Biochem** 1987 Feb 1;160(2):399–408

Production and characterization of antibodies against HT-2 toxin and T-2 tetraol tetraacetate. Fan TS, et al. **Appl Environ Microbiol** 1987 Jan;53(1):17–21

ISOLATION & PURIFICATION

Preparation of scirpentriol and triacetoxyscirpenol in good yield from cultures of Fusarium sambucinum NRRL 13495. Richardson KE, et al. **Appl Environ Microbiol** 1987 Feb; 53(2):457–9

Preparation of 4,15-diacetoxyscirpenol from cultures of Fusarium sambucinum NRRL 13495. Richardson KE, et al. **Appl Environ Microbiol** 1987 Feb;53(2):460–2

Marine natural products. XVII. Nephtheoxydiol, a new cytotoxic hydroperoxy-germacrane sesquiterpene, and related sesquiterpenoids from an Okinawan soft coral of Nephthea sp. (Nephtheidae). Kitagawa I, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):124–35

Corianin from Coriaria japonica A. Gray, and sesquiterpene lactones from Loranthus parasiticus Merr. used for treatment of schizophrenia. Okuda T, et al. **Chem Pharm Bull (Tokyo)** 1987 Jan;35(1):182–7

Comparison of column phases for separation of derivatized trichothecenes by capillary gas chromatography. Scott PM, et al. **J Chromatogr** 1986 Oct 24;368(2):374–80

Sesquiterpene lactones and flavonoids from Helianthus species. Gao F, et al. **J Nat Prod** 1987 Jan–Feb;50(1):23–9

Guayulins C and D from guayule (Parthenium argentatum). Martinez M, et al. **J Nat Prod** 1986 Nov–Dec;49(6):1102–3

Fercoperol, an unusual cyclic-endoperoxynerolidol derivative from Ferula communis subsp. communis. Miski M, et al. **J Nat Prod** 1986 Sep–Oct;49(5):916–8

[Studies on the chemical constituents of Saussurea involucrata] Wang HK, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):680–2 (Eng. Abstr.) **(Chi)**

[Studies on the chemical constituents of Aquilaria sinensis (Lour.) Gilg. II. Isolation and structure of baimuxinol and dehydrobaimuxinol] Yang JS, et al. **Yao Hsueh Hsueh Pao** 1986 Jul;21(7):516–20 (Eng. Abstr.) **(Chi)**

[Determination of the structures of versicolactone B and versicolactone C in the root of Aristolochia versicolar S.M.Hwang] Zhang J, et al. **Yao Hsueh Hsueh Pao** 1986 Apr;21(4):273–8 (Eng. Abstr.) **(Chi)**

[Toxicological and immunochemical studies on identification of Lampteromyces japonicus] Kawano M. **Igaku Kenkyu** 1986 Dec;56(3):108–20 (Eng. Abstr.) **(Jpn)**

METABOLISM

Pharmacokinetics of diacetoxyscirpenol in cattle and swine: effects of halothane. Coppock RW, et al. **Am J Vet Res** 1987 Apr;48(4):691–5

T-2 toxin metabolism by ruminal bacteria and its effect on their growth. Westlake K, et al. **Appl Environ Microbiol** 1987 Mar;53(3):587–92

Lack of hepatic microsomal metabolism of deoxynivalenol and its metabolite, DOM-1. Côté LM, et al. **Food Chem Toxicol** 1987 Apr;25(4):291–5

Comparison of penetration and metabolism of [3H]diacetoxyscirpenol, [3H]verrucarin A and [3H]T-2 toxin in skin. Kemppainen BW, et al. **Food Chem Toxicol** 1987 May;25(5):379–86

The cytochrome P-450-dependent hydroxylation of T-2 toxin in various animal species. Kobayashi J, et al. **Food Chem Toxicol** 1987 Jul;25(7):539–44

Studies on the metabolism of deoxynivalenol in the rat. Lake BG, et al. **Food Chem Toxicol** 1987 Aug;25(8):589–92

Evaluation of monkey skin as a model for in vitro percutaneous penetration and metabolism of [3H]T-2 toxin in human skin. Kemppainen BW, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):367–75

Metabolism and clearance of T-2 mycotoxin in perfused rat livers. Pace JG. **Fundam Appl Toxicol** 1986 Oct;7(3):424–33

Tissue distribution and excretion of radioactivity following administration of 14C-labeled deoxynivalenol to White Leghorn hens. Prelusky DB, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):635–45

Macrophage-specific effect on lipid metabolism by an antibiotic, ascofuranone. Magae J, et al. **J Antibiot (Tokyo)** 1987 Feb;40(2):202–8

Metabolism of three trichothecene mycotoxins, T-2 toxin, diacetoxyscirpenol and deoxynivalenol, by bovine rumen microorganisms. Swanson SP, et al. **J Chromatogr** 1987 Mar 6;414(2):335–42

Analysis of some metabolites of T-2 toxin, diacetoxyscirpenol and deoxynivalenol by thermospray high-performance liquid chromatography-mass spectrometry. Voyksner RD, et al. **J Chromatogr** 1987 May 8;394(1):183-99

Excretion of deoxynivalenol and its metabolite in milk, urine, and feces of lactating dairy cows. Côté LM, et al. **J Dairy Sci** 1986 Sep;69(9):2416-23

Metabolic fate and elimination in milk, urine and bile of deoxynivalenol following administration to lactating sheep. Prelusky DB, et al. **J Environ Sci Health [B]** 1987 Apr; 22(2):125-48

In vitro percutaneous penetration and metabolism of [3H]T-2 toxin: comparison of human, rabbit, guinea pig and rat. Kemppainen BW, et al. **Toxicon** 1987;25(2):185-94

Terpenoid biotransformation in mammals. IV Biotransformation of (+)-longifolene, (-)-caryophyllene, (-)-caryophyllene oxide, (-)-cyclocolorenone, (+)-nootkatone, (-)-elemol, (-)-abietic acid and (+)-dehydroabietic acid in rabbits. Asakawa Y, et al. **Xenobiotica** 1986 Aug;16(8):753-67

Metabolic conversions of trichothecene mycotoxins: biotransformation of 3-acetyldeoxynivalenol into fusarenon-X. Baldwin NC, et al. **Z Naturforsch [C]** 1986 Sep-Oct;41(9-10):845-50

[A formula for estimating the half-life of a drug] Li CS, et al. **Yao Hsueh Hsueh Pao** 1986 Mar;21(3):165-9 (Eng. Abstr.) **(Chi)**

[Studies on the pharmacokinetics of qinghaosu and two of its active derivatives in dogs] Zhao KC, et al. **Yao Hsueh Hsueh Pao** 1986 Oct;21(10):736-9 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Regulation of murine macrophage phagocytosis of sheep erythrocytes by T-2 toxin. Corrier DE, et al. **Am J Vet Res** 1987 Aug;48(8):1304-7

Immunotoxic effects of T-2 toxin on cell-mediated immunity to listeriosis in mice: comparison with cyclophosphamide. Corrier DE, et al. **Am J Vet Res** 1986 Sep;47(9):1956-60

Inhibition of macrophage adenylate cyclase by the alpha-methylene-gamma-lactone moiety of sesquiterpene lactones from forage plants. Elissalde MH Jr, et al. **Am J Vet Res** 1987 Jan;48(1):148-52

T-2 toxin-enhanced resistance against listeriosis in mice: importance of gastrointestinal lesions. Ziprin RL, et al. **Am J Vet Res** 1987 Jun;48(6):998-1002

The in vitro effects of trichothecenes on the immune system. Miller K, et al. **Arch Toxicol [Suppl]** 1987;11:321-4

The influence of the sesquiterpene lactones from Geigeria on mast cell degranulation. Gaspar AR, et al. **Biochem Pharmacol** 1987 Aug 1;36(15):2461-5

Influence of the antileukemic and anti-human immunodeficiency virus agent avarol on selected immune responses in vitro and in vivo. Müller WE, et al. **Biochem Pharmacol** 1987 May 1;36(9):1489-94

Protein synthesis inhibition by 8-oxo-12,13-epoxytrichothecenes. Ehrlich KC, et al. **Biochim Biophys Acta** 1987 Feb 20;923(2):206-13

Extracts of feverfew inhibit mitogen-induced human peripheral blood mononuclear cell proliferation and cytokine mediated responses: a cytotoxic effect. O'Neill LA, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):81-3

Survey of sensitivity of 22 strains of yeasts to T-2 toxin in relation to growth on glucose and glycerol medium. Baxter JA, et al. **Bull Environ Contam Toxicol** 1987 Jul;39(1):86-91

Suppression of hypertriglyceridemia of Ehrlich carcinoma-bearing mice by an antibiotic, ascofuranone. Magae J, et al. **Cancer Res** 1987 Jan 1;47(1):96-9

Hemolysis induced by artemisinin and its derivatives in vitro. Gu HM, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 May; 7(3):269-72

Effect of the anticomplementary agent, K-76 monocarboxylic acid, on experimental immune complex glomerulonephritis in rats. Iida H, et al. **Clin Exp Immunol** 1987 Jan;67(1):130-4

Hymenin, a novel alpha-adrenoreceptor blocking agent from the Okinawan marine sponge Hymeniacidon sp. Kobayashi J, et al. **Experientia** 1986 Sep 15;42(9):1064-5

Decreased feed consumption and body-weight gain in the B6C3F1 mouse after dietary exposure to 15-acetyldeoxynivalenol. Pestka JJ, et al. **Food Chem Toxicol** 1986 Dec;24(12):1309-13

Mode of cardiotonic action of helenalin, a sesquiterpene lactone, on guinea pig ventricular myocardium. Itoigawa M, et al. **J Cardiovasc Pharmacol** 1987 Feb;9(2):193-201

In vitro sensitivity of Naegleria fowleri to qinghaosu and dihydroqinghaosu. Cooke DW, et al. **J Parasitol** 1987 Apr; 73(2):411-3

The effect of artemisinin combined with standard antimalarials against chloroquine-sensitive and chloroquine-resistant strains of Plasmodium falciparum in vitro. Chawira AN, et al. **J Trop Med Hyg** 1987 Feb; 90(1):1-8

Inhibition of replication of the etiologic agent of acquired immune deficiency syndrome (human T-lymphotropic retrovirus/lymphadenopathy-associated virus) by avarol and avarone. Sarin PS, et al. **JNCI** 1987 Apr;78(4):663-6

The chemistry, pharmacology, and clinical applications of qinghaosu (artemisinin) and its derivatives. Luo XD, et al. **Med Res Rev** 1987 Jan-Mar;7(1):29-52 (66 ref.)

Eupatorium cannabinum L. A review emphasizing the sesquiterpene lactones and their biological activity. Woerdenbag HJ. **Pharm Weekbl [Sci]** 1986 Oct 17; 8(5):245-51 (69 ref.)

Effects of vomitoxin (deoxynivalenol) on conditioned saccharin aversion and food consumption in adult rats. Clark DE, et al. **Pharmacol Biochem Behav** 1987 Jun; 27(2):247-52

Anti-inflammatory agents; IV. Structure activity relationships of sesquiterpene lactone esters derived from helenalin. Hall IH, et al. **Planta Med** 1987 Apr;53(2):153-6

Modulation of cell-mediated resistance to listeriosis in mice given T-2 toxin. Corrier DE, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):323-31

Induction of differentiation in human myeloid leukemic cells by T-2 toxin and other trichothecenes. Samara A, et al. **Toxicol Appl Pharmacol** 1987 Jul;89(3):418-28

Action of T-2 toxin on gastrointestinal transit in mice: protective effect of an argillaceous compound. Fioramonti J, et al. **Toxicol Lett** 1987 May;36(3):227-32

Nuclear lipid peroxidation induced in rat liver by T-2 mycotoxin. Ahmed N, et al. **Toxicon** 1986;24(9):947-9

Qinghaosu resistance in rodent malaria. Chawira AN, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):477-80

Immunotoxic effects of T-2 mycotoxin on cell-mediated resistance to Listeria monocytogenes infection. Corrier DE, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):11-21

[Effects of qinghaosu on the surface structure of erythrocytes infected with Plasmodium berghei and the erythrocyte-free parasites] Ye ZG, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(4):260-2 (Eng. Abstr.) **(Chi)**

[Pressor mechanism of tussilagone] Li YP, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jul;7(4):333-6 (Eng. Abstr.) **(Chi)**

[Action of sodium artesunate on [3H]uridine incorporation and the cell membrane of mouse spleen cells] Song QL, et al. **Chung Kuo Yao Li Hsueh Pao** 1987 Jan;8(1):72-6 (Eng. Abstr.) **(Chi)**

[Effects of huperzine A on learning and the retrieval process of discrimination performance in rats] Tang XC, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):507-11 (Eng. Abstr.) **(Chi)**

[Anti-cholinesterase activity of huperzine A] Wang YE, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Mar;7(2):110-3 (Eng. Abstr.) **(Chi)**

[Development of a qinghaosu-resistant line of Plasmodium berghei ANKA and N strain] Li CS, et al. **Yao Hsueh Hsueh Pao** 1986 Nov;21(11):811-5 (Eng. Abstr.) **(Chi)**

[Artemisinines--a new class of antimalarial preparations (a review of the literature)] Khomchenovskiĭ EI. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):73-7 (32 ref.) **(Rus)**

POISONING

Changes in circulatory white blood cells of mice and rats due to acute trichothecene intoxication. Bergers WW, et al. **Toxicol Lett** 1987 Apr;36(2):173-9

Quantitative cytophotometric analysis of brain neuronal RNA and protein changes in acute T-2 mycotoxin poisoned rats. Martin LJ, et al. **Toxicon** 1986;24(9):933-41

Assessment of a general therapeutic protocol for the treatment of acute T-2 toxicosis in swine. Poppenga RH, et al. **Vet Hum Toxicol** 1987 Jun;29(3):237-9

[Hepatocyte ultrastructure in mice with chronic T-2 mycotoxicosis] Kravchenko LV, et al. **Biull Eksp Biol Med** 1986 Oct;102(10):482-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The chemotherapy of rodent malaria, XL. The action of artemisinin and related sesquiterpenes. Peters W, et al. **Ann Trop Med Parasitol** 1986 Oct;80(5):483-9

Preclinical evaluation of illudins as anticancer agents. Kelner MJ, et al. **Cancer Res** 1987 Jun 15;47(12):3186-9

Herbal therapy for migraine. An unconventional approach. Diamond S. **Postgrad Med** 1987 Jul;82(1):197-8

[Effect of costus root oil in murine tumors] Takanami I, et al. **Gan To Kagaku Ryoho** 1987 Jul;14(7):2276-9 (Eng. Abstr.) **(Jpn)**

[Effects of KT1-32 on acute gastric lesions and duodenal ulcers induced in rats] Okabe S, et al. **Nippon Yakurigaku Zasshi** 1986 Dec;88(6):467-76 (Eng. Abstr.) **(Jpn)**

TOXICITY

Helenalin: mechanism of toxic action. Merrill J, et al. **Adv Exp Med Biol** 1986;197:891-6

Muscovy ducklings, a particularly sensitive avian bioassay for T-2 toxin and diacetoxyscirpenol. Shlosberg AS, et al. **Avian Dis** 1986 Oct-Dec;30(4):820-4

Challenges and pitfalls in experimental studies with trichothecene mycotoxins. Schiefer HB. **Dev Toxicol Environ Sci** 1986;12:283-90 (35 ref.)

Effects of concurrent prenatal exposure to rubratoxin B and T-2 toxin in the mouse. Hood RD. **Drug Chem Toxicol** 1986;9(2):185-90

Protein synthesis inhibition and cardiac lesions associated with deoxynivalenol ingestion in mice. Robbana-Barnat S, et al. **Food Addit Contam** 1987 Jan-Mar;4(1):49-56

The toxicity of orally administered deoxynivalenol (vomitoxin) in rats and mice. Arnold DL, et al. **Food Chem Toxicol** 1986 Sep;24(9):935-41

Effect of T2 toxin on the spontaneous antibody-secreting cells and other non-lymphoid cells in the murine spleen. Cooray R, et al. **Food Chem Toxicol** 1987 Jan;25(1):25-9

Comparison of acute toxicities of deoxynivalenol (vomitoxin) and 15-acetyldeoxynivalenol in the B6C3F1 mouse. Forsell JH, et al. **Food Chem Toxicol** 1987 Feb;25(2):155-62

The in vitro effects of trichothecenes on the immune system. Miller K, et al. **Food Chem Toxicol** 1986 Jun-Jul; 24(6-7):545-9

Suppression of immune response in the B6C3F1 mouse after dietary exposure to the Fusarium mycotoxins deoxynivalenol (vomitoxin) and zearalenone. Pestka JJ, et al. **Food Chem Toxicol** 1987 Apr;25(4):297-304

Effects of low-level long-term oral exposure to T-2 toxin in CD-1 mice. Schiefer HB, et al. **Food Chem Toxicol** 1987 Aug;25(8):593-601

Effects of T-2 toxin gavage on the synthesis and contents of rat-liver macromolecules. Suneja SK, et al. **Food Chem Toxicol** 1987 May;25(5):387-92

Immunological responsiveness of mouse spleen cells after in vivo or in vitro exposure to 3-acetyldeoxynivalenol. Tomar RS, et al. **Food Chem Toxicol** 1987 May;25(5):393-8

Acute inhalation toxicity of T-2 mycotoxin in mice. Creasia DA, et al. **Fundam Appl Toxicol** 1987 Feb;8(2):230-5

Systemic distribution of blood flow during T-2 toxin induced shock in swine. Lundeen GR, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):309-23

Experimental T-2 toxicosis in swine. III. Morphologic changes following intravascular administration of T-2 toxin. Pang VF, et al. **Fundam Appl Toxicol** 1987 Apr; 8(3):298-309

The toxicity of T-2 toxin in swine following topical application. I. Clinical signs, pathology, and residue concentrations. Pang VF, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):41-9

The toxicity of T-2 toxin in swine following topical application. II. Effects on hematology, serum biochemistry, and immune response. Pang VF, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):50-9

Dose and time related effects of T-2 toxin on mitogenic response of murine splenic cells in vitro. Taylor MJ, et al. **Int J Immunopharmacol** 1987;9(1):107-13

Maternal toxicity, embryolethality and abnormal fetal development in CD-1 mice following one oral dose of T-2 toxin. Rousseaux CG, et al. **J Appl Toxicol** 1987 Aug; 7(4):281-8

Use of solid-phase extraction systems to improve the sensitivity of Artemia bioassays for trichothecene mycotoxins. Hoke SH, et al. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):661-3

Effects of nivalenol on the bone marrow in mice. Ryu JC, et al. **J Toxicol Sci** 1987 Feb;12(1):11-21

Effects of feeding mature White Leghorn hens diets that contain deoxynivalenol (vomitoxin). Kubena LF, et al. **Poult Sci** 1987 Jan;66(1):55-8

Interaction of T-2 toxin with bovine carrier erythrocytes: effects on cell lysis, permeability, and entrapment. DeLoach JR, et al. **Toxicol Appl Pharmacol** 1987 Mar 30; 88(1):123-31

Scanning cytophotometric analysis of brain neuronal nuclear chromatin changes in acute T-2 toxin-treated rats. Martin LJ, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):207-14

Cardiovascular pathology induced by passive transfer of splenic cells from syngeneic rats treated with T-2 toxin. Sherman Y, et al. **Toxicol Lett** 1987 Mar;36(1):15-22

Acute toxicity of T2 toxin in rats, mice, guinea pigs, and pigeons. Fairhurst S, et al. **Toxicology** 1987 Jan;43(1):31-49

Developmental toxicity of diacetoxyscirpenol in the mouse. Mayura K, et al. **Toxicology** 1987 Sep;45(3):245-55

Direct and reflex cardiovascular effects of trichothecene mycotoxins. Bubien JK, et al. **Toxicon** 1987;25(3):325-31

Structure-function relationships of 12,13-epoxytrichothecene mycotoxins in cell culture: comparison to whole animal lethality. Thompson WL, et al. **Toxicon** 1986;24(10):985-94

Cutaneous injury by topical T-2 toxin: involvement of microvessels and mast cells. Yarom R, et al. **Toxicon** 1987; 25(2):167-74

Systemic effects of topically applied trichothecenes. II. Studies with T-2 toxin in rats. Schiefer HB, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):384-9

Systemic effects of topically applied trichothecenes. III. The role of absorption enhancers. Schiefer HB, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):390-5

Systemic effects of topically applied trichothecenes. I. Comparative study of various trichothecenes in mice. Schiefer HB, et al. **Zentralbl Veterinarmed [A]** 1986 Jul; 33(5):373-83

[Effect of different supplies of vitamin E on biochemical changes in T-2 mycotoxicosis in rats] Kravchenko LV, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):99-103 (Eng. Abstr.) **(Rus)**

URINE

Detection of trace levels of trichothecene mycotoxins in human urine by gas chromatography-mass spectrometry. Black RM, et al. **J Chromatogr** 1986 Sep 26;367(1):103-15

SET (PSYCHOLOGY)

Clients' treatment expectations at a community mental health center. Balch P, et al. **Am J Community Psychol** 1978 Apr;

6(2):105–13
Constructivist view of meditation. DelMonte M.
Am J Psychother 1987 Apr;41(2):286–98
Perceived and actual control in EMG treatment of back pain. Biedermann HJ, et al. **Behav Res Ther** 1987;25(2):137–47
The learning process in biofeedback: is it feed-forward or feedback? Dunn TG, et al. **Biofeedback Self Regul** 1986 Jun;11(2):143–56
When a placebo is not a placebo: the value of effect size measures in assessing the validity of deception used in the balanced placebo design. Cole JA, et al. **Br J Addict** 1987 Jun;82(6):649–52
Outcome of alcoholism: the structure of patient attributions as to what causes change. Edwards G, et al.
Br J Addict 1987 May;82(5):533–45
Alcohol and expectancy: subjective, psychophysiological and behavioral responses to alcohol stimuli in severely, moderately and non-dependent drinkers. Laberg JC.
Br J Addict 1986 Dec;81(6):797–808
Client–therapist congruence of expectations over the course of therapy. Benbenishty R, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):17–24
Expectations in the treatment of obesity. Bennett GA.
Br J Clin Psychol 1986 Nov;25 (Pt 4):311–2
Cognitive style in depression. Blackburn IM, et al.
Br J Clin Psychol 1986 Nov;25 (Pt 4):241–51
Locus of control and clients' expectations of psychotherapeutic outcome. Foon AE.
Br J Clin Psychol 1986 Sep;25 (Pt 3):161–71
Expectancy and outcome in prescriptive vs. exploratory psychotherapy. Morrison LA, et al. **Br J Clin Psychol** 1987 Feb;26 (Pt 1):59–60
Processing of phobic stimuli. Watts FN, et al.
Br J Clin Psychol 1986 Nov;25 (Pt 4):253–9
Do infusion-related tastes and odors facilitate the development of anticipatory nausea? A failure to support hypothesis. Andrykowski MA. **Health Psychol** 1987; 6(4):329–41
A survey of expectations about group therapy among clinical and nonclinical populations. Slocum YS.
Int J Group Psychother 1987 Jan;37(1):39–54
Rate of habituation of electrodermal orienting responses: a comparison of instructions to stop responding, count stimuli, or relax and remain indifferent. Gruzelier J, et al.
Int J Psychophysiol 1987 Jan;4(4):289–91
Impending surgery: the expectations of male coronary patients and their wives. Radley A, et al.
Int Rehabil Med 1987;8(4):154–61
Adolescent alcohol expectancies in relation to personal and parental drinking patterns. Brown SA, et al.
J Abnorm Psychol 1987 May;96(2):117–21
Alcohol and the balanced-placebo design: the role of experimenter demands in expectancy. Knight LJ, et al.
J Abnorm Psychol 1986 Nov;95(4):335–40
Memory bias in clinical anxiety. Mogg K, et al.
J Abnorm Psychol 1987 May;96(2):94–8
Dysfunctional attitudes and attribution style in healthy controls and patients with schizophrenia, psychotic depression, and nonpsychotic depression. Zimmerman M, et al. **J Abnorm Psychol** 1986 Nov;95(4):403–5
Multiple spans in transcription typing. Salthouse TA, et al.
J Appl Psychol 1987 May;72(2):187–96
Attempting to control blood pressure without systematic instruction: when advice is counterproductive. Suls J, et al. **J Behav Med** 1986 Dec;9(6):567–77
Experimenters' expectation and subjects' knowledge of hypotheses in simple reaction time to lateralized visual stimuli. Bruyer R, et al. **J Clin Exp Neuropsychol** 1987 Apr; 9(2):162–6
Discrepancies between therapists' role preferences and role expectations. Benbenishty R, et al. **J Clin Psychol** 1986 Sep;42(5):719–27
Differences between experienced and anticipatory distress. Sowa CJ, et al. **J Clin Psychol** 1986 Sep;42(5):703–7
Longitudinal analysis of the development of anticipatory nausea. Andrykowski MA, et al. **J Consult Clin Psychol** 1987 Feb;55(1):36–41
Cognitive changes after alcohol cue exposure. Cooney NL, et al. **J Consult Clin Psychol** 1987 Apr;55(2):150–5
Psychological and pharmacological influences in cigarette smoking withdrawal: effects of nicotine gum and expectancy on smoking withdrawal symptoms and relapse. Gottlieb AM, et al. **J Consult Clin Psychol** 1987 Aug; 55(4):606–8
Attributional processes in behavior change and maintenance: smoking cessation and continued abstinence. Harackiewicz JM, et al. **J Consult Clin Psychol** 1987 Jun;55(3):372–8
Cognitive studies in alcoholism. Wilson GT.
J Consult Clin Psychol 1987 Jun;55(3):325–31
Common and distinctive features of verbal and pictorial stimuli as determinants of psychophysiological responsivity. Ben-Shakhar G, et al.
J Exp Psychol [Gen] 1987 Jun;116(2):91–105
Resolving 20 years of inconsistent interactions between lexical familiarity and orthography, concreteness, and polysemy. Gernsbacher MA. **J Exp Psychol [Gen]** 1984 Jun;113(2):256–81
Accuracy of feeling-of-knowing judgments for predicting perceptual identification and relearning. Nelson TO, et al.
J Exp Psychol [Gen] 1984 Jun;113(2):282–300
Automatic and expectancy-based priming effects in a digit naming task. Flowers JH, et al.
J Exp Psychol [Hum Percept] 1984 Feb;10(1):65–74
Visual knowledge underlying letter perception: font-specific, schematic tuning. Sanocki T.
J Exp Psychol [Hum Percept] 1987 May;13(2):267–78
Kinesthetic aftereffects and individual differences in carryover effects. Baker AH, et al. **J Gen Psychol** 1986 Jul;113(3):277–83
The influence of color and demand characteristics on muscle strength and affective ratings of the environment. Smith JM, et al. **J Gen Psychol** 1986 Jul;113(3):289–97
Perceptual development and categorization: I. An investigation of task demands, stimulus set similarity, and age. Burns B. **J Genet Psychol** 1986 Sep;147(3):359–70
Stress, control beliefs, and psychological distress: the problem of response bias. Krause N. **J Human Stress** 1985 Spring; 11(1):11–9
Depression and pessimism for the future: biased use of statistically relevant information in predictions for self versus others. Alloy LB, et al. **J Pers Soc Psychol** 1987 Feb;52(2):366–78
Attribution processes in distressed and nondistressed couples: 4. Self–partner attribution differences. Fincham FD, et al.
J Pers Soc Psychol 1987 Apr;52(4):739–48
Set/reset: use and disuse of concepts in impression formation. Martin LL. **J Pers Soc Psychol** 1986 Sep;51(3):493–504
Depression, self-focused attention, and expectancies for positive and negative future life events for self and others. Pyszczynski T, et al. **J Pers Soc Psychol** 1987 May; 52(5):994–1001
Attributions and expectations: a confluence of vulnerabilities in mild depression in a college student population. Riskind JH, et al. **J Pers Soc Psychol** 1987 Aug;53(2):349–54
Judgment of contingency: cognitive biases in depressed and nondepressed subjects. Vázquez C. **J Pers Soc Psychol** 1987 Feb;52(2):419–31
Mutual expectations. How family members view the social role of the mental health center client. Johnson SW.
J Psychosoc Nurs Ment Health Serv 1986 Oct;24(10):35–6
Prevalence and correlates of posttreatment and anticipatory nausea and vomiting in cancer chemotherapy. Cohen RE, et al. **J Psychosom Res** 1986;30(6):643–54
The influence of self-efficacy expectations on the treatment of preorgasmic women. Bogat GA, et al.
J Sex Marital Ther 1987 Summer;13(2):128–36
Nuclear knowledge and nuclear anxiety: a cross-cultural investigation. Zweigenhaft RL, et al. **J Soc Psychol** 1986 Aug;126(4):473–84
Expectations for reinforcement from alcohol use in a clinical sample. Zarantonello MM. **J Stud Alcohol** 1986 Nov; 47(6):485–8
Expectations and coping of women undergoing in vitro fertilization. Stewart S, et al. **Matern Child Nurs J** 1986 Summer;15(2):103–13
Effects of repetition on the facilitatory and inhibitory components of orienting in visual space. Maylor EA, et al. **Neuropsychologia** 1987;25(1A):41–54
Paradoxical instructions in relaxation training. Anderson LH, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):407–12
Effects of iconicity, motoric complexity, and linguistic function on sign acquisition in severe aphasia. Coelho CA, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):519–30
Factors in perception of earthquake hazard. de Man A, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):815–20
Can straight-forward information change alcohol-related expectancies? Gustafson R. **Percept Mot Skills** 1986 Oct; 63(2 Pt 2):937–8
Judgments about sexual harassment: effects of the power of the harasser. Lester D, et al. **Percept Mot Skills** 1986 Oct; 63(2 Pt 2):990
Anxiety, locus of control and appraisal of air pollution. Navarro PL, et al. **Percept Mot Skills** 1987 Jun;64(3 Pt 1):811–4
Expectancy, redefinition and reported pain. Spanos NP, et al. **Percept Mot Skills** 1987 Apr;64(2):355–8
Stress of predictable and unpredictable shock. Arthur AZ.
Psychol Bull 1986 Nov;100(3):379–87
Preparedness and phobias: a review. McNally RJ.
Psychol Bull 1987 Mar;101(2):283–303
Effects of stereotypic expectation on evaluation of written English attributed to handicapped and nonhandicapped students. Barowsky EI. **Psychol Rep** 1986 Dec;59(3):1097–8
Older adolescents' differential expectations of infants' development. Gullo DF, et al. **Psychol Rep** 1986 Dec; 59(3):1091–6
A "visual" explanation of facial vision.Ono H, et al.
Psychol Res 1986;48(2):57–62
Assessment of covariation by humans and animals: the joint influence of prior expectations and current situational information. Alloy LB, et al. **Psychol Rev** 1984 Jan; 91(1):112–49
Repetition priming of face recognition. Ellis AW, et al.
Q J Exp Psychol [A] 1987 May;39(2):193–210
Expecting different categories at different locations and spatial selective attention. Lambert A.
Q J Exp Psychol [A] 1987 Feb;39(1):61–76
Evaluations of causal and conditional hypotheses. O'Brien DP, et al. **Q J Exp Psychol [A]** 1986 Aug;38(3):493–512
[Some determinants of persistence and performance] Försterling F, et al. **Arch Psychol (Frankf)** 1987; 139(1):37–47 (Eng. Abstr.) **(Ger)**
[Performance increasing effect of self-caused failure: behavioral effects of attributions] Haisch J.
Arch Psychol (Frankf) 1987;139(1):23–35 (Eng. Abstr.) **(Ger)**
[An attribution psychological approach for explaining productive psychotic symptoms] Olbrich R.
Fortschr Neurol Psychiatr 1986 Dec;54(12):402–7 (Eng. Abstr.) **(Ger)**
[Prepartum expectations, behavior in labor and the puerperium and postpartum satisfaction with the birth experience. II. Rooming-in and breast feeding] Ringler M, et al. **Geburtshilfe Frauenheilkd** 1986 Aug;46(8):541–4 (Eng. Abstr.) **(Ger)**
[Effect of ideal body image on self assessment of the true body image in childhood and adolescence] Gutezeit G, et al. **Prax Kinderpsychol Kinderpsychiatr** 1986 Aug–Sep; 35(6):207–14 (Eng. Abstr.) **(Ger)**
[Negative vs. positive therapy expectations and compliance vs. noncompliance] Linden M. **Psychiatr Prax** 1987 Jul; 14(4):132–6 (Eng. Abstr.) **(Ger)**
[Expectations concerning physician consultation] Cloetta B, et al. **Soz Praventivmed** 1986;31(4–5):214–5 (Eng. Abstr.) **(Ger)**
[Relation between prior, stated and realized decisions for or against blood donation] Westhoff K, et al.
Z Exp Angew Psychol 1987;34(3):496–505 (Eng. Abstr.) **(Ger)**
[Therapeutic goal of the patient as a criterion for prognosis and success of inpatient psychotherapy] Ruff W, et al.
Z Psychosom Med Psychoanal 1987;33(3):238–51 (Eng. Abstr.) **(Ger)**
[Effect of family status in the transitional phase on expectations of the development of intergenerational contacts in advanced age] Michel M. **ZFA** 1986 Sep–Oct; 41(5):293–5 **(Ger)**
[Stereotype-based expectancy and social judgment: rethinking from a Bayesian perspective] Kameda T.
Shinrigaku Kenkyu 1986 Apr;57(1):27–34 (Eng. Abstr.) **(Jpn)**

SETARIASIS see under **FILARIASIS**

SEVERITY OF ILLNESS INDEX see under **DIAGNOSTIC RELATED GROUPS**

SEVIN

ANALOGS & DERIVATIVES

Comparison of nitrosocarbaryl and carbaryl: in vitro effects on hepatic microsomal aryl hydrocarbon hydroxylase, aminopyrine N-demethylase, epoxide hydrolase and cytosolic glutathione-S-transferase. Chan HH, et al.
Proc Natl Sci Counc Repub China [B] 1984 Oct;8(4):302–7

ANALYSIS

Studies on the environmental fate of carbaryl as a function of pH. Fisher SW, et al. **Arch Environ Contam Toxicol** 1986 Nov;15(6):661–7
Quantitative determination of carbaryl and carbaryl metabolites by reversed-phase high-performance liquid chromatography. Ward SA, et al. **J Chromatogr** 1987 Feb 13;388(2):462–6
[Effects of chlorine on methylparathion and carbaryl pesticides] Espigares García M, et al.
Rev Sanid Hig Publica (Madr) 1986 Mar–Apr; 60(3–4):251–62 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Pentylenetetrazol: effect on carbaryl-induced changes of serotonin metabolism in pons–medulla of rat brain. Ray SK, et al. **Biosci Rep** 1986 Aug;6(8):767–74
Differences in the in vivo and in vitro effects of the carbamate insecticide, carbaryl on rat hepatic monooxygenases. Knight EV, et al. **Drug Chem Toxicol** 1986;9(3–4):253–73
Comparison of nitrosocarbaryl and carbaryl: in vitro effects on hepatic microsomal aryl hydrocarbon hydroxylase, aminopyrine N-demethylase, epoxide hydrolase and cytosolic glutathione-S-transferase. Chan HH, et al.
Proc Natl Sci Counc Repub China [B] 1984 Oct;8(4):302–7

POISONING

Is carbaryl as safe as its reputation? [letter] McEvoy MK, et al. **Am J Med** 1986 Dec;81(6):1124–6
Delayed neurotoxicity after ingestion of carbamate pesticide. Dickoff DJ, et al. **Neurology** 1987 Jul;37(7):1229–31

TOXICITY

The effect of carbaryl and malathion in combination on gamma-glutamyl transpeptidase and glutathione S-alkyltransferase activity in vitro. Lechner DW, et al.
Arch Environ Contam Toxicol 1986 Nov;15(6):647–51
Alterations of Aplysia feeding behavior following acute carbamate intoxication. Basso A, et al.
Boll Soc Ital Biol Sper 1986 Aug 30;62(8):993–1000
Effects of carbaryl on differentiated and undifferentiated neuroblastoma cells: inhibition of growth rates and direct cell toxicity. Shea TB. **Bull Environ Contam Toxicol** 1987 Jan;38(1):143–50
Brain cholinesterase activity of rainbow trout poisoned by carbaryl. Zinkl JG, et al. **Bull Environ Contam Toxicol** 1987 Jan;38(1):29–35
Sperm abnormality assay in the evaluation of the genotoxic

potential of carbaryl in rats. Luca D, et al. **Morphol Embryol (Bucur)** 1987 Jan-Mar;33(1):19-22
[Effects of carbaryl on growth and morphogenesis of the chick embryo] Virgintino D, et al. **Boll Soc Ital Biol Sper** 1986 Aug 30;62(8):931-7 (Eng. Abstr.) (Ita)

SEWAGE

Ethidium bromide: destruction and decontamination of solutions. Lunn G, et al. **Anal Biochem** 1987 May 1; 162(2):453-8
Conversion of indole to oxindole under methanogenic conditions. Berry DF, et al. **Appl Environ Microbiol** 1987 Jan;53(1):180-2
Improved membrane filtration media for enumeration of total coliforms and Escherichia coli from sewage and surface waters. Freier TA, et al. **Appl Environ Microbiol** 1987 Jun; 53(6):1246-50
Fate of viruses in artificial wetlands. Gersberg RM, et al. **Appl Environ Microbiol** 1987 Apr;53(4):731-6
Comparison of methods for rotavirus detection in water and results of a survey of Jerusalem wastewater. Guttman-Bass N, et al. **Appl Environ Microbiol** 1987 Apr;53(4):761-7
Characterization of virucidal agents in activated sludge. Knowlton DR, et al. **Appl Environ Microbiol** 1987 Apr; 53(4):621-6
Mobilization of plasmid pHSV106 from Escherichia coli HB101 in a laboratory-scale waste treatment facility. Mancini P, et al. **Appl Environ Microbiol** 1987 Apr; 53(4):665-71
Complete reductive dechlorination and mineralization of pentachlorophenol by anaerobic microorganisms. Mikesell MD, et al. **Appl Environ Microbiol** 1986 Oct;52(4):861-5
Multiyear study of sludge application to farmland: prevalence of bacterial enteric pathogens and antibody status of farm families. Ottolenghi AC, et al. **Appl Environ Microbiol** 1987 May;53(5):1118-24
Method for determining virus inactivation during sludge treatment processes. Traub F, et al. **Appl Environ Microbiol** 1986 Sep;52(3):498-503
Explanations for the acclimation period preceding the mineralization of organic chemicals in aquatic environments. Wiggins BA, et al. **Appl Environ Microbiol** 1987 Apr;53(4):791-6
Use of geostatistics to predict virus decay rates for determination of septic tank setback distances. Yates MV, et al. **Appl Environ Microbiol** 1986 Sep;52(3):479-83
Household hazardous waste in Massachusetts. Stanek EJ 3d, et al. **Arch Environ Health** 1987 Mar-Apr;42(2):83-6
Xenobiotic degradation in industrial sewage: haloaromatics as target substrates. Knackmuss HJ. **Biochem Soc Symp** 1983;48:173-90 (35 ref.)
Growth of mixed microbial populations in ground water containing highly chlorinated organic wastes. Pelon W, et al. **Bull Environ Contam Toxicol** 1987 Apr;38(4):661-6
Survival of indigenous enteric viruses during storage of waste water sludge samples. Hurst CJ, et al. **Can J Microbiol** 1986 Aug;32(8):645-8
Stability of viruses in waste water sludge eluates. Hurst CJ, et al. **Can J Microbiol** 1986 Aug;32(8):649-53
Inhibition of methanogenesis in pure cultures by ammonia, fatty acids, and heavy metals, and protection against heavy metal toxicity by sewage sludge. Jarrell KF, et al. **Can J Microbiol** 1987 Jun;33(6):551-4
Detection and quantitation of human enteric viruses in waste waters: increased sensitivity using a human immune serum globulin--immunoperoxidase assay on MA-104 cells. Payment P, et al. **Can J Microbiol** 1987 Jun;33(6):568-70
Elimination of human enteric viruses during conventional waste water treatment by activated sludge. Payment P, et al. **Can J Microbiol** 1986 Dec;32(12):922-5
Evaluation of the test method "activated sludge, respiration inhibition test" proposed by the OECD. Yoshioka Y, et al. **Ecotoxicol Environ Safety** 1986 Dec;12(3):206-12
Sewage as a source of phages for typing strains of Salmonella typhimurium isolated in India. Adlakha S, et al. **Indian J Med Res** 1986 Jul;84:1-6
Disposal techniques for osmic acid solution harmful waste fixative. Shirasuka K, et al. **J Electron Microsc (Tokyo)** 1986;35(2):199-201
Occurrence of Cryptosporidium oocysts in sewage effluents and selected surface waters. Madore MS, et al. **J Parasitol** 1987 Aug;73(4):702-5
Removal of intestinal nematode eggs in tropical waste stabilization ponds. Mara DD, et al. **J Trop Med Hyg** 1986 Apr;89(2):71-4
Adsorption removal of phenol and cresol by surface-modified activated carbon for treatment of effluent from hospitals. Nakamura T, et al. **Nippon Eiseigaku Zasshi** 1987 Feb;41(6):945-50
Sorption of low-level radwaste by Spirulina. Tseng CL, et al. **Radioisotopes** 1986 Oct;35(10):540-2
Antibiotic resistance and transferable resistance in Enterobacteriaceae in municipal waste waters. Kralikova K, et al. **Recomb DNA Tech Bull** 1986 Jun;9(2):59-64
In vivo cytogenetic effects of oil shale retort process waters. Meyne J, et al. **Toxicology** 1982;24(3-4):223-9
Salmonella in sewage effluent and the relationship to animal and human disease in the north of Scotland. Johnston WS, et al. **Vet Rec** 1986 Aug 30;119(9):201-3
Enumeration of salmonellas by most probable number method from sewage and sewage-polluted natural waters, comparing the use of preenrichment versus direct enrichment in NR10 at different temperatures. Alcaide E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):34-41
Relationship between environment spread and presence in hosts of Escherichia coli strains resistant to antibiotics and metals. Morozzi G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):393-400
[Biological treatment for mixed TNT-RDX wastewater by screened bacteria strains] Yang YX, et al. **Wei Sheng Wu Hsueh Pao** 1986 Mar;26(1):53-9 (Eng. Abstr.) (Chi)
[Occurrence of poliovirus strains with increased neurovirulence in the waste water from the city of Prague 1983-1984] Matyášová I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1987 Jun;36(3):161-7 (Eng. Abstr.) (Cze)
[Demonstration of gram-negative bacteria and endotoxins in the air surrounding a sewage treatment plant: effect of contaminated aerosols on the health status of the staff] Schira JC, et al. **Schweiz Med Wochenschr** 1987 Mar 7; 117(10):354-8 (Eng. Abstr.) (Fre)
[Quantitative demonstration of helminth stages in municipal waste water] Teichmann A. **Angew Parasitol** 1986 Aug; 27(3):145-50 (Eng. Abstr.) (Ger)
[Requirements of waste water drainage from the production of plant pesticides] Irmer H. **Schriftenr Ver Wasser Boden Lufthyg** 1987;68:309-11 (Ger)
[Combined action of phosphate removal and disinfection on urban sewage treated at a biological oxidation plant] Bardasi G, et al. **Nuovi Ann Ig Microbiol** 1985 May-Jun; 36(3):181-99 (Eng. Abstr.) (Ita)
[Salmonella and Yersinia in the sewage of the city of Urbino] Pianetti A, et al. **Nuovi Ann Ig Microbiol** 1985 Jul-Aug; 36(4):279-90 (Eng. Abstr.) (Ita)
[Sodium and potassium levels in the soil, grass and blood serum of bulls after irrigation of the soil with sewage water] Kośla T. **Pol Arch Weter** 1986;24(3):375-84 (Eng. Abstr.) (Pol)
[Calcium, phosphorus and magnesium levels in the soil, grass and the body of bulls after irrigation of the soil with sewage water] Kośla T. **Pol Arch Weter** 1986;24(3):385-95 (Eng. Abstr.) (Pol)
[Effect of the aeration of sewers on the growth of dermatophytes and other keratinophilic fungi in bottom sediments] Ulfig K. **Rocz Panstw Zakl Hig** 1986;37(2):154-9 (Eng. Abstr.) (Pol)
[Hygienic characteristics of working conditions of operators of irrigation systems for livestock sewage utilization] Buianov ES, et al. **Gig Sanit** 1986 Aug;(8):30-2 (Eng. Abstr.) (Rus)
[Experimental research to assess the effect of biologically purified sewage on the sanitary regimen and processes of self-purification in reservoirs] Gus'kov GV, et al. **Gig Sanit** 1986 Dec;(12):7-10 (Eng. Abstr.) (Rus)
[Scientific basis of preventive sanitary control of swine-breeding farms] Okladnikov NI. **Gig Sanit** 1986 Nov; (11):67-9 (Rus)
[Viability of Staphylococcus aureus and Escherichia coli in the open pit waters of the Kama Fuel and Energy Complex] Zel'manovich BM, et al. **Gig Sanit** 1987 Apr;(4):87-9 (Rus)

ADVERSE EFFECTS

Campers' diarrhea outbreak traced to water-sewage link. Starko KM, et al. **Public Health Rep** 1986 Sep-Oct; 101(5):527-31
Health risk analysis of human exposures to soil amended with sewage sludge contaminated with polychlorinated dibenzodioxins and dibenzofurans. Eschenroeder A, et al. **Vet Hum Toxicol** 1986 Oct;28(5):435-42
[A bacteriological and helminthological investigation on a sewage-irrigated area in Beijing suburb] Cai SW. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):280-2 (Eng. Abstr.) (Chi)
[Evaluation of the genotoxic effects of industrial and domestic waste] Kan SV, et al. **Biol Nauki** 1987;(5):81-5 (Eng. Abstr.) (Rus)

ANALYSIS

Fluorimetric use of morin in the ultra-trace determination of cadmium and its application to sewage sludge analyses. Pal BK, et al. **Analyst** 1987 Feb;112(2):171-4
Two new vitamin B-12 factors from sewage sludge containing 2-methylsulfinyladenine or 2-methylsulfonyladenine as base component. Renz P, et al. **Eur J Biochem** 1987 Feb 16;163(1):175-9
Linear alkylbenzene sulfonates (LAS) in sewage sludges, soils and sediments: analytical determination and environmental safety considerations. De Henau H, et al. **Int J Environ Anal Chem** 1986;26(3-4):279-93 (32 ref.)
Soil contamination by some organic micropollutants related to sewage sludge spreading. Diercxsens P, et al. **Int J Environ Anal Chem** 1987;28(1-2):143-59
Sulfuric acid cleanup and KOH-ethanol treatment for confirmation of organochlorine pesticides and polychlorinated biphenyls: application to wastewater samples. Hernández Hernández F, et al. **J Assoc Off Anal Chem** 1987 Jul-Aug;70(4):727-33
An evaluation of microextraction/capillary column gas chromatography for monitoring industrial outfalls. Thielen DR, et al. **J Chromatogr Sci** 1987 Jan;25(1):12-6
Ammonia, hydrogen sulphide and methyl mercaptides in Finnish municipal sewage plants and pumping stations. Kangas J, et al. **Sci Total Environ** 1986 Dec 1;57:49-55
[Decomposition of the health-related components of sewage sludge and liquid manure using methane fermentation] Poch M. **Z Gesamte Hyg** 1987 Jan;33(1):30-1 (Eng. Abstr.) (Ger)
[Effect of methane fermentation on the survival rate of disease pathogens] Poch M. **Z Gesamte Hyg** 1987 Jan; 33(1):32-3 (Eng. Abstr.) (Ger)

SEX

see related
LIBIDO
PSYCHOSEXUAL DEVELOPMENT
RELIGION AND SEX

Adolescent sexology and ephebiatric sexual medicine. Money J. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:241-6 (12 ref.)
Sexual changes and impotence in elderly men. Rousseau PC. **Am Fam Physician** 1986 Nov;34(5):131-6
Sexuality in the handicapped. Walbroehl GS. **Am Fam Physician** 1987 Jul;36(1):129-33
Sexual dimorphism in adrenergic regulation of hepatic glycogenolysis. Studer RK. **Am J Physiol** 1987 Apr;252(4 Pt 1):E467-76
Marital adjustment following spinal cord injury. Urey JR, et al. **Arch Phys Med Rehabil** 1987 Feb;68(2):69-74
Sex fantasies revisited: an expansion and further clarification of variables affecting sex fantasy production. Follingstad DR, et al. **Arch Sex Behav** 1986 Dec;15(6):475-86
Sexual medicine: whose domain? [letter] Sheriff DS. **Can Med Assoc J** 1986 Oct 15;135(8):844-5
Sexuality and fertility in urologic cancer patients. Schover LR. **Cancer** 1987 Aug 1;60(3 Suppl):553-8
Sexual and reproductive issues for women with Hodgkin's disease. II. Application of PLISSIT model. Cooley ME, et al. **Cancer Nurs** 1986 Oct;9(5):248-55
Gonadal and sexual function in male patients with hairy cell leukemia: lack of adverse effects of recombinant alpha 2-interferon treatment. Schilsky RL, et al. **Cancer Treat Rep** 1987 Feb;71(2):179-81
Sexual activity after coronary bypass surgery. Papadopoulos C, et al. **Chest** 1986 Nov;90(5):681-5
Sex differences in adrenocortical structure and function. XXIII. Time-studies on the long-term effects of gonadectomy on rat adrenal cortex. Malendowicz LK. **Exp Clin Endocrinol** 1986 Nov;88(1):6-12
Use of a "permission giving" patient checklist in identification of social and sexual problems. Anderson WB. **Henry Ford Hosp Med J** 1986;34(4):267-9
Coping with the sexuality of the disabled: a comparison of the physically disabled and the mentally retarded. Giami A. **Int J Rehabil Res** 1987;10(1):41-8
Management of the multiproblem seductive patient [clinical conference] Mayer ML, et al. **J Fam Pract** 1976 Aug; 3(4):433-6
Sexual quality-of-life of patients with arthritis compared to arthritis-free controls. Blake DJ, et al. **J Rheumatol** 1987 Jun;14(3):570-6
Sexuality and the arthritic patient--how well are we doing? [editorial] Cohen M. **J Rheumatol** 1987 Jun;14(3):403-5
Sex therapy: an adjunct in the treatment of marital discord. Mobarak A, et al. **J Sex Marital Ther** 1986 Fall; 12(3):229-38
The cost of sex in hermaphrodite populations with variation in functional sex. Hoekstra RF, et al. **J Theor Biol** 1986 Oct 21;122(4):441-52
Males, parthenogenesis, and the maintenance of anisogamous sex. Krieber M, et al. **J Theor Biol** 1986 Oct 21; 122(4):421-40
Sexual and reproductive risk factors for invasive squamous cell cervical cancer. Brinton LA, et al. **JNCI** 1987 Jul; 79(1):23-30
Sex misinformation and misconceptions among Chinese medical students in Hong Kong. Chan DW. **Med Educ** 1986 Sep;20(5):390-8
Sex and the mentally handicapped: a lawyer's view. Gunn MJ. **Med Law** 1986;5(4):255-63
Evolution: contemplating life without sex [news] Smith JM. **Nature** 1986 Nov 27-Dec 3;324(6095):300-1
Sexual function following ostomy surgery. Shipes E. **Nurs Clin North Am** 1987 Jun;22(2):303-10
The sexual dimension of patient care. Campsey JR. **Nurs Forum** 1985;22(2):69-71
Sexual aspects in paraplegic patients. Francois N, et al. **Paraplegia** 1987 Jun;25(3):289-92
Sexuality in perspective. Masters WH. **Trans Stud Coll Physicians Phila** 1987 Mar;9(1):45-57
Prostatectomy and sexual function. Libman E, et al. **Urology** 1987 May;29(5):467-78 (32 ref.)
[A presentation of the sexual behavior, experience, knowledge and attitudes of 22-year-old women] Lunde Nielsen I, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2866-9 (Eng. Abstr.) (Dan)
[A presentation of the sexual behavior, experience, knowledge and attitudes of 70-year-old women] Lunde Nielsen I, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2863-6

(Eng. Abstr.) (Dan)
[Sexology and epidemiologic methods. Description and analysis of a method of studying the sexual behavior, experience, knowledge and attitudes of women] Nielsen IL, et al. **Ugeskr Laeger** 1986 Oct 27;148(44):2859–63 (Eng. Abstr.) (Dan)
[Psychological and sexual sequelae of hysterectomy] Gijsbers van Wijk CM, et al. **Ned Tijdschr Geneeskd** 1987 May 2; 131(18):758–62 (Eng. Abstr.) (Dut)
[Sexual politics controversies. Results of the 15th scientific meeting of the German Society for Sexual Research. 3–5 October 1985, Hannover. Proceedings] **Beitr Sexualforsch** 1987;63:1–133 (Ger)
[AIDS in a woman having had sexual relations with a patient with hemophilia A. Characteristic findings in DNA image cytometry] Schaar H, et al. **Dtsch Med Wochenschr** 1986 Dec 19;111(51–52):1966–9 (Eng. Abstr.) (Ger)
[Handicap and sexuality: from ignorance of defeat to a culture for creating] Manca S. **Minerva Pediatr** 1986 Aug 31; 38(15–16):699–701 (Eng. Abstr.) (Ita)
[Sexual life in patients with heart disease] Hasegawa T, et al. **Kokyu To Junkan** 1986 Jun;34(6):587–94 (16 ref.) (Jpn)
[Examination of impotence by recording the physiological reaction to sexual stimulation] Kawanishi Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Sep;77(9):1421–8 (Eng. Abstr.) (Jpn)
[Status of gynecologic sexology in Slovakia] Bárdoš A. **Cesk Gynekol** 1986 Aug;51(7):577–80 (Slo)

SEX ATTRACTANTS see under **PHEROMONES**

SEX BEHAVIOR

Smoking and cervical intraepithelial neoplasia. An association independent of sexual and other risk factors? Hellberg D, et al. **Acta Obstet Gynecol Scand** 1986;65(6):625–31
Sexuality in the elderly. Nilsson L. **Acta Obstet Gynecol Scand [Suppl]** 1987;140:52–8
Sexual socialization during early adolescence: the menarche. Amann-Gainotti M. **Adolescence** 1986 Fall;21(83):703–10
The sexual attitudes and behavior of private and public school students: a comparative study. Bernache-Baker B. **Adolescence** 1987 Summer;22(86):259–69
Autologous rosette forming cells in subjects at risk for the acquired immunodeficiency syndrome. Cabral CM, et al. **AIDS Res** 1986 Fall;2(4):335–42
Persistence of high risk sexual activity among homosexual men in an area of low incidence for acquired immunodeficiency syndrome. Calabrese LH, et al. **AIDS Res** 1986 Fall;2(4):357–61
Coital risk factors for cervical cancer. Sexual activity among white middle class women. Noller KL, et al. **Am J Clin Oncol** 1987 Jun;10(3):222–6
Accidental sexual strangulation [letter] Rohr WB. **Am J Forensic Med Pathol** 1987 Mar;8(1):90–1
Delayed death from "fisting" [letter]Torre C. **Am J Forensic Med Pathol** 1987 Mar;8(1):91
Cytomegalovirus infection in homosexual men. Relationship to sexual practices, antibody to human immunodeficiency virus, and cell-mediated immunity. Collier AC, et al. **Am J Med** 1987 Mar 23;82(3 Spec No):593–601
Sexual behavior and Down syndrome: the biological mechanism. Martin-DeLeon PA, et al. **Am J Med Genet** 1987 Jul;27(3):693–700 (38 ref.)
Reporting practices of psychiatrists who knew of sexual misconduct by colleagues. Gartrell N, et al. **Am J Orthopsychiatry** 1987 Apr;57(2):287–95
More on psychiatrist–patient sexual contact [letter] **Am J Psychiatry** 1987 May;144(5):688–9
Psychiatrist–patient sexual contact: results of a national survey, II: Psychiatrists' attitudes. Herman JL, et al. **Am J Psychiatry** 1987 Feb;144(2):164–9
Psychiatrist–patient sexual contact [letter] Kavoussi RJ, et al. **Am J Psychiatry** 1987 Sep;144(9):1249–50
Changes in AIDS risk behaviors among homosexual male physicians and university students. Klein DE, et al. **Am J Psychiatry** 1987 Jun;144(6):742–7
Psychiatrist–patient sexual contact [letter] Levenson JL. **Am J Psychiatry** 1987 Apr;144(4):529–30
Sexual practices among patients with borderline personality disorder. Zubenko GS, et al. **Am J Psychiatry** 1987 Jun; 144(6):748–52
Mirror hunger in the psychodynamics of sexually abusing therapists. Claman JM. **Am J Psychoanal** 1987 Spring; 47(1):35–40
Risk factors for human immunodeficiency virus (HIV) infections in homosexual men. Darrow WW, et al. **Am J Public Health** 1987 Apr;77(4):479–83
The impact of AIDS on gay male sexual behavior patterns in New York City. Martin JL. **Am J Public Health** 1987 May;77(5):578–81
Human immunodeficiency virus and oral intercourse [letter] [corrected; erratum to be published] DeGruttola V, et al. **Ann Intern Med** 1987 Sep;107(3):428–9
Effect of duration of abstinence on maturity of human spermatozoa nucleus. Le Lannou D, et al. **Arch Androl** 1986;17(1):35–8
Resistance to sexual aggression: personality, attitudinal, and situational factors. Amick AE, et al. **Arch Sex Behav** 1987 Apr;16(2):153–63
Perimenopausal sexuality. Cutler WB, et al. **Arch Sex Behav** 1987 Jun;16(3):225–34
The sexual scripting of oral genital contacts. Gagnon JH, et al. **Arch Sex Behav** 1987 Feb;16(1):1–25
Sexual climate and reported rape: a state-level analysis. Jaffee D, et al. **Arch Sex Behav** 1987 Apr;16(2):107–23
Sexual experience and drinking among women in a U.S. national survey. Klassen AD, et al. **Arch Sex Behav** 1986 Oct;15(5):363–92
Relations between sex hormone levels and sexual behavior in men. Knussmann R, et al. **Arch Sex Behav** 1986 Oct; 15(5):429–45
Sexuality in the puerperium: a review. Reamy KJ, et al. **Arch Sex Behav** 1987 Apr;16(2):165–86
Extraversion, neuroticism, and sexual behavior: interrelationships in a sample of young men. Schenk J, et al. **Arch Sex Behav** 1986 Dec;15(6):449–55
Sexual behavior in healthy married elderly men. Weizman R, et al. **Arch Sex Behav** 1987 Feb;16(1):39–44
Gynaecological and sexuality profile of new patients attending a family planning clinic. Kovacs GT, et al. **Aust NZ J Obstet Gynaecol** 1986 Aug;26(3):235–8
Time trends in prevalence of cervical cytological abnormality in women attending a sexually transmitted diseases clinic and their relationship to trends in sexual activity and specific infections. Armstrong BK, et al. **Br J Cancer** 1986 Oct;54(4):669–75
HIV and sexual lifestyle [editorial] Bradbeer C. **Br Med J** 1987 Jan 3;294(6563):5–6
HIV transmitted by kissing [letter] **Br Med J [Clin Res]** 1987 Mar 14;294(6573):705–6
Doctors' double standards on alcohol [letter] **Br Med J [Clin Res]** 1987 Jan 17;294(6565):178
AIDS and the heterosexual epidemic [letter] **Br Med J [Clin Res]** 1987 May 23;294(6583):1354
AIDS and the heterosexual epidemic [letter] Rawlins J. **Br Med J [Clin Res]** 1987 Apr 11;294(6577):970
Psychiatric injury in women's workplaces. Bursten B. **Bull Am Acad Psychiatry Law** 1986;14(3):245–51
The reliability of sexual histories in AIDS-related research: evaluation of an interview-administered questionnaire. Coates RA, et al. **Can J Public Health** 1986 Sep–Oct; 77(5):343–8
The Vancouver Lymphadenopathy-AIDS Study: 5. Antecedent behavioural, clinical and laboratory findings in patients with AIDS and HIV-seropositive controls. Boyko WJ, et al. **Can Med Assoc J** 1986 Oct 15; 135(8):881–7
Sexual misconduct. Rapp MS. **Can Med Assoc J** 1987 Aug 1;137(3):193–4
An assessment of the behavior of sexually abused and nonsexually abused children with anatomically correct dolls. Jampole L, et al. **Child Abuse Negl** 1987;11(2):187–92
Perpetrators and their acts: data from 365 adults molested as children. Kendall-Tackett KA, et al. **Child Abuse Negl** 1987;11(2):237–45
Parity and sexual behavior in pregnancy. Pepe F, et al. **Clin Exp Obstet Gynecol** 1987;14(1):60–5
The ordeal of the wayward woman (sotah): miracle or natural phenomenon. Rosner F. **Clio Med** 1984;19(1–2):87–93
Conspectus. Sex and pregnancy current concepts. Walbroehl GS. **Compr Ther** 1986 Nov;12(11):3–6
Proception: an important fertility behavior. Miller WB. **Demography** 1986 Nov;23(4):579–94
Disorders of sexual desire in a sample of women alcoholics. Heiser K, et al. **Drug Alcohol Depend** 1987 Mar; 19(2):145–57
Seroepidemiological study on sexually transmitted diseases and hepatitis B in African promiscuous heterosexuals in relation to HTLV-III infection. Van de Perre P, et al. **Eur J Epidemiol** 1987 Mar;3(1):14–8
Changes in the sexual behavior of couples after prostatectomy. A prospective study. Cytron S, et al. **Eur Urol** 1987;13(1–2):35–8
Sex education and sex-related behavior [editorial] **Fam Plann Perspect** 1986 Jul–Aug;18(4):150, 192
Premarital sexual activity among U.S. teenage women over the past three decades. Hofferth SL, et al. **Fam Plann Perspect** 1987 Mar–Apr;19(2):46–53
Teenage pregnancy in developed countries: determinants and policy implications. Jones EF, et al. **Fam Plann Perspect** 1985 Mar–Apr;17(2):53–63
Teenagers talk about sex, pregnancy and contraception. Kisker EE. **Fam Plann Perspect** 1985 Mar–Apr;17(2):83–90
Parent–child communication and adolescent sexual behavior. Newcomer SF, et al. **Fam Plann Perspect** 1985 Jul–Aug; 17(4):169–74
A prospective multicenter trial of the ovulation method of natural family planning. V. Psychosexual aspects. World Health Organization. **Fertil Steril** 1987 May;47(5):765–72
Psychological and demographic correlates of perceptions of sexual harassment. Terpstra DE, et al. **Genet Soc Gen Psychol Monogr** 1986 Nov;112(4):459–78
Brachioproctic eroticism and transmission of retrovirus associated with acquired immune deficiency syndrome (AIDS). Donovan B, et al. **Genitourin Med** 1986 Dec; 62(6):390–2
Sexual lifestyle and clinical findings related to HTLV-III/LAV status in homosexual men. Evans BA, et al. **Genitourin Med** 1986 Dec;62(6):384–9
Anal warts in heterosexual men [letter] Goorney BP, et al. **Genitourin Med** 1987 Jun;63(3):216
Sex in the MD's office. Shapiro ET, et al. **Hastings Cent Rep** 1987 Jun;17(3):11–2
Psychosocial predictors of reported behavior change in homosexual men at risk for AIDS. Emmons CA, et al. **Health Educ Q** 1986 Winter;13(4):331–45
AIDS risk reduction recommendations and sexual behavior patterns among gay men: a multifactorial categorical approach to assessing change. Martin JL. **Health Educ Q** 1986 Winter;13(4):347–58
Alcohol and drug use during sexual activity and compliance with safe sex guidelines for AIDS: the AIDS Behavioral Research Project. Stall R, et al. **Health Educ Q** 1986 Winter;13(4):359–71
Sexual counseling of women with coronary heart disease. Baggs JG, et al. **Heart Lung** 1987 Mar;16(2):154–9
The use of a mistress and the internalized sexual mother. Layland WR. **Int J Psychoanal** 1984;65 (Pt 3):323–30
Substance use and its relation to sexual activity among inner-city adolescents. Zabin LS, et al. **J Adolesc Health Care** 1986 Sep;7(5):320–31
Reflections on the moral dimension of the AIDS epidemic. Meisenbach AE 3d. **J Am Coll Health** 1987 May; 35(6):279–81
Sexual concerns and counseling needs of normal men attending a university student health service. Wiesmeier E, et al. **J Am Coll Health** 1986 Jul;35(1):29–35
Influence of culture on premarital sexual permissiveness among Nigerian and black American young adults. Oladunjoye F. **J Am Coll Health Assoc** 1979 Dec; 28(3):165–7
Male responsibility in sexual activity and family planning: perspectives of a college mental health professional. Roach AM. **J Am Coll Health Assoc** 1979 Dec;28(3):173–5
Sexuality and the institutionalized elderly. McCartney JR, et al. **J Am Geriatr Soc** 1987 Apr;35(4):331–3
Problems in a study of the sexual response of women with cancer: comment on Anderson and Jochimsen. Thomas J. **J Consult Clin Psychol** 1987 Feb;55(1):120–4
An exploratory study of parent–child communication about sex and the sexual attitudes of early, middle, and late adolescents. Fisher TD. **J Genet Psychol** 1986 Dec; 147(4):543–57
Sexual factors and prostatic cancer: results from a case-control study. Mandel JS, et al. **J Gerontol** 1987 May; 42(3):259–64
Sexual fulfillment of heterosexual, bisexual, and homosexual women. Bressler LC, et al. **J Homosex** 1986 May; 12(3–4):109–22
Lesbian sexuality. Califia P. **J Homosex** 1979 Spring; 4(3):255–66
Sensitive drawings of sexual activity in human sexuality textbooks: an analysis on communication and bias. Pollis CA. **J Homosex** 1986 Fall;13(1):59–73
Saying "no" to sexual involvement: a skill teens can be helped to use. Howard M. **J Med Assoc Ga** 1987 Mar;76(3):183–5
You can say no. Teenagers—don't be pressured into sex. Marsh S. **J Med Assoc Ga** 1987 Mar;76(3):173–5
The use of subliminal psychodynamic activation in the study of repression. Geisler C. **J Pers Soc Psychol** 1986 Oct; 51(4):844–51
Sexuality among Mexican Americans: a case of sexual stereotyping. Padilla ER, et al. **J Pers Soc Psychol** 1987 Jan;52(1):5–10
Female sexual behavior: fluctuations during the menstrual cycle. Harvey SM. **J Psychosom Res** 1987;31(1):101–10
The differential impact of diabetes type on female sexuality. Schreiner-Engel P, et al. **J Psychosom Res** 1987;31(1):23–33
Exposing sexual exploitation through values voting. Lohrmann DK. **J Sch Health** 1987 Aug;57(6):240–1
Health problems and sexual activity of selected inner city, middle school students. Smith PB, et al. **J Sch Health** 1986 Sep;56(7):263–6
Sexuality of widows: a study of the sexual practices of widows during the first fourteen months of bereavement. Kansky J. **J Sex Marital Ther** 1986 Winter;12(4):307–21
Sexual therapy for the post coronary patient. Sanders JD, et al. **J Sex Marital Ther** 1980 Fall;6(3):174–86
Leads from the MMWR. Positive HTLV-III/LAV antibody results for sexually active female members of social/sexual clubs—Minnesota. **JAMA** 1987 Jan 16;257(3):293, 296
AIDS and heterosexual anal intercourse [letter] Bolling DR, et al. **JAMA** 1987 Jul 24–31;258(4):474
The years of living dangerously [editorial] Dan BB. **JAMA** 1987 Mar 13;257(10):1376
Sex in the age of AIDS calls for common sense and 'condom sense' [news] Goldsmith MF. **JAMA** 1987 May 1; 257(17):2261–3, 2266
Male-to-female transmission of human immunodeficiency virus. Padian N, et al. **JAMA** 1987 Aug 14;258(6):788–90
Sexual transmission of human immunodeficiency virus. Peterman TA, et al. **JAMA** 1986 Oct 24–31;256(16):2222–6
Sexual practices and risk of infection by the human immunodeficiency virus. The San Francisco Men's Health Study. Winkelstein W Jr, et al. **JAMA** 1987 Jan 16; 257(3):321–5
Selected sexual practices of San Francisco heterosexual men and risk of infection by the human immunodeficiency virus [letter] Winkelstein W Jr, et al. **JAMA** 1987 Mar 20; 257(11):1470–1
Prevalence of antibodies to human immunodeficiency virus, gonorrhoea rates, and changed sexual behaviour in homosexual men in London. Carne CA, et al. **Lancet** 1987 Mar 21;1(8534):656–8

Changes in sexual behaviour and incidence of gonorrhoea [letter] Lawrence AG, et al. **Lancet** 1987 Apr 25; 1(8539):982–3

AIDS and promiscuity [letter] Peto J. **Lancet** 1986 Oct 25; 2(8513):979

Long latency precedes overt seroconversion in sexually transmitted human–immunodeficiency–virus infection. Ranki A, et al. **Lancet** 1987 Sep 12;2(8559):589–93

Responses of homosexual men to AIDS [letter] Ross M, et al. **Med J Aust** 1987 Mar 2;146(5):280

Teen–age sexual activity in rural Minnesota. Yawn BP, et al. **Minn Med** 1987 Jan;70(1):38–9

Positive HTLV–III/LAV antibody results for sexually active female members of social/sexual clubs—Minnesota. **MMWR** 1986 Nov 14;35(45):697–9

Self–reported changes in sexual behaviors among homosexual and bisexual men from the San Francisco City Clinic cohort. **MMWR** 1987 Apr 3;36(12):187–9

Psychosexual adjustment in congenital adrenal hyperplasia [editorial] Federman DD. **N Engl J Med** 1987 Jan 22; 316(4):209–11

What is safe sex? Suggested standards linked to testing for human immunodeficiency virus. Goedert JJ. **N Engl J Med** 1987 May 21;316(21):1339–42

Heterosexual transmission of AIDS by male drug users [letter] Furth PA. **Nature** 1987 May 21–27;327(6119):193

Varieties of sexual contact [letter] Reece G. **Nature** 1987 May 28–Jun 3;327(6120):288

"American teens speak". Report on a survey. The Planned Parenthood Federation of America, Inc. **NC Med J** 1987 May;48(5):267–70

Teens and sex: confessions of an imperiled liberal. Steege JF. **NC Med J** 1987 May;48(5):265–6

Effective responses to sexual harassment. Heinrich KT. **Nurs Outlook** 1987 Mar–Apr;35(2):70–2

Male to female transmission of AIDS [letter] Berger H. **NY State J Med** 1987 Mar;87(3):184

Intravenous drug use and the heterosexual transmission of the human immunodeficiency virus. Current trends in New York City. Des Jarlais DC, et al. **NY State J Med** 1987 May;87(5):283–6

AIDS in adolescents: a rationale for concern. Hein K. **NY State J Med** 1987 May;87(5):290–5

AIDS in Africa: evidence for heterosexual transmission of the human immunodeficiency virus. Quinn TC. **NY State J Med** 1987 May;87(5):286–9

Sexuality and pregnancy: a change in values. Porter S. **Ohio Med** 1987 Mar;83(3):154–8

Sexual behavior in the home [letter] Smith RS. **Pediatrics** 1987 Sep;80(3):458–9

Acquired immunodeficiency syndrome and adolescents: knowledge, beliefs, attitudes, and behaviors. Strunin L, et al. **Pediatrics** 1987 May;79(5):825–8

Judgments about sexual harassment: effects of the power of the harasser. Lester D, et al. **Percept Mot Skills** 1986 Oct; 63(2 Pt 2):990

Sexuality and the adolescent: issues for the clinician. Stewart DC. **Primary Care** 1987 Mar;14(1):83–99 (24 ref.)

Cacodemonomania. Salmons PH, et al. **Psychiatry** 1987 Feb; 50(1):50–4

The two–woman phenomenon. Weiss SS. **Psychoanal Q** 1987 Apr;56(2):271–86

Love, seduction, and trauma. Lothane Z. **Psychoanal Rev** 1987 Spring;74(1):83–105

Sexual arousal and aggression in a free–choice situation. Graves W, et al. **Psychol Rep** 1987 Feb;60(1):95–104

Shock threat and sexual arousal: the role of selective attention, thought content, and affective states. Beck JG, et al. **Psychophysiology** 1987 Mar;24(2):165–72

Male sexual arousal as a function of the content and the vividness of erotic fantasy. Smith D, et al. **Psychophysiology** 1987 May;24(3):334–9

An approach to the problem of teenage pregnancy. Macdonald DI. **Public Health Rep** 1987 Jul–Aug; 102(4):377–85

The Cape Town Teenage Clinic. van Coeverden de Groot HA, et al. **S Afr Med J** 1987 Apr 4;71(7):434–6

Randomized response technique [letter] Campbell AA. **Science** 1987 May 29;236(4805):1049

Sexual behavior and randomized responses [letter] Cohen JE. **Science** 1987 Jun 19;236(4808):1503

How to ask about sex and get honest answers [news] Kolata G. **Science** 1987 Apr 24;236(4800):382

Persistence of high–risk sexual activity among homosexual men in an area of low incidence of the acquired immunodeficiency syndrome. Jones CC, et al. **Sex Transm Dis** 1987 Apr–Jun;14(2):79–82

Disease transmission by heterosexual men with gonorrhea: an empiric estimate. Potterat JJ, et al. **Sex Transm Dis** 1987 Apr–Jun;14(2):107–10

Some aspects of sexual knowledge and sexual behaviour of local women results of a survey. IX. Female homosexuality. Atputharajah V. **Singapore Med J** 1987 Feb;28(1):57–60

Some aspects of sexual knowledge and sexual behaviour of local women—results of a survey: X orgasm (female). Atputharajah V. **Singapore Med J** 1987 Apr;28(2):152–61

Some aspects of sexual knowledge and sexual behaviour of local women. Results of a survey. VII. Orogenital sex. Atputharajah V. **Singapore Med J** 1986 Jun;27(3):230–2

Some aspects of sexual knowledge and sexual behaviour of local women. Results of a survey. VIII. Anal intercourse. Atputharajah V. **Singapore Med J** 1986 Oct;27(5):407–9

Breast feeding, birth interval and polygyny in Nigeria. Adewuyi AA. **Soc Sci Med** 1987;24(7):573–80

Menarche and sexuality among a sample of black South African schoolgirls. du Toit BM. **Soc Sci Med** 1987; 24(7):561–71

The changing pattern of post–partum sexual abstinence in a Nigerian rural community. Isenalumhe AE, et al. **Soc Sci Med** 1986;23(7):683–6

Breastfeeding: its relationship with postpartum amenorrhea and postpartum sexual abstinence in a Nigerian community. Oni GA. **Soc Sci Med** 1987;24(3):255–62

Adolescent sexual activity and pregnancy in South Carolina: trends, risks, and practice implications. Alexander GR, et al. **South Med J** 1987 May;80(5):581–4, 596

Natural history of Klüver–Bucy syndrome after treated herpes encephalitis. Hart RP, et al. **South Med J** 1986 Nov; 79(11):1376–8

Periodic abstinence in the Philippines: new findings from a national survey. Laing JE. **Stud Fam Plann** 1987 Jan–Feb; 18(1):32–41

Sexual behavior, contraceptive practice, and reproductive health among Liberian adolescents. Nichols D, et al. **Stud Fam Plann** 1987 May–Jun;18(3):169–76

Kaposi sarcoma in the acquired immune deficiency syndrome (AIDS), presenting as lymphogranuloma venereum (LGV) in a promiscuous trinidadian male. Aghadiuno PU, et al. **Trop Geogr Med** 1987 Jan;39(1):88–91

[The sex life of women with ovarian dysgenesis] Raboch J, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):154–8 (Eng. Abstr.) **(Cze)**

[Cyclophrenia and female sexuality] Raboch J Jr. **Cesk Psychiatr** 1986 Aug;82(3–4):174–81 (Eng. Abstr.) **(Cze)**

[Sexual activity and contraceptive habits among young people. A study among pupils of the 9th grade in the municipality of Viborg] Rasmussen KL, et al. **Ugeskr Laeger** 1986 Dec 29;149(1):46–8 (Eng. Abstr.) **(Dan)**

[Sexually transmissible diseases and AIDS while traveling] Coutinho RA, et al. **Ned Tijdschr Geneeskd** 1987 May 9; 131(19):810–1 **(Dut)**

[Sexually transmitted diseases in free sexual practice. Epidemiological aspects] Job–Spira N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):305–10 (Eng. Abstr.) **(Fre)**

[Epidemiological study on the sexuality of adolescent college students] Desjardins MF, et al. **Union Med Can** 1986 Sep; 115(9):668–71 (Eng. Abstr.) **(Fre)**

[Abortion in adolescence—psychosocial aspects] Eggers H, et al. **Arztl Jugendkd** 1987;78(1):51–6 (Eng. Abstr.) **(Ger)**

[The organization of sexual topics] Dannecker M. **Beitr Sexualforsch** 1987;63:1–10 **(Ger)**

[Social ideology of sexuality] Lautmann R. **Beitr Sexualforsch** 1987;63:18–28 **(Ger)**

[Sublimation of sexual aspects in psychoanalysis] Parin P. **Beitr Sexualforsch** 1987;63:11–7 **(Ger)**

[Subjectiveness of the researcher and psychoanalysis of female sexuality] Reinke E. **Beitr Sexualforsch** 1987; 63:58–66 **(Ger)**

[Sexuality and feminism—or also: very wrong sex] Schwarzer A. **Beitr Sexualforsch** 1987;63:49–57 **(Ger)**

[The difficulty of talking about sexuality] Sichtermann B. **Beitr Sexualforsch** 1987;63:42–8 **(Ger)**

[Chastity and healing power] Kudlien F. **Clio Med** 1984; 19(1–2):94–110 (Eng. Abstr.) **(Ger)**

[Empirical studies of sexual behavior of psychotic patients—a review] Strauss B, et al. **Fortschr Neurol Psychiatr** 1986 Aug;54(8):248–58 (Eng. Abstr.) **(Ger)**

[Sexuality and contraception in adolescence] Mall–Haefeli M. **Monatsschr Kinderheilkd** 1987 Jul;135(7):380–6 **(Ger)**

[Eros and Thanatos—a history] Düe M. **Psyche (Stuttg)** 1987 Aug;41(8):726–48 (Eng. Abstr.) **(Ger)**

[Identification, new needs and new forms of sexuality] McDougall J. **Psyche (Stuttg)** 1986 Nov;40(11):1007–29 (Eng. Abstr.) **(Ger)**

[Eros and the death drive. On deciphering psychoanalytic "mythology"] Noerr GS. **Psyche (Stuttg)** 1987 Aug; 41(8):677–98 (Eng. Abstr.) **(Ger)**

[Sexuality in the aged] Westenberger H. **Psyche (Stuttg)** 1987 Jun;41(6):529–38 (Eng. Abstr.) **(Ger)**

[Sexuality in the aged] Poeldinger W. **Wien Med Wochenschr** 1987 Feb 15;137(2–3):47–8 (Eng. Abstr.) **(Ger)**

[Sex behavior and vaginal flora in climacteric and postmenopausal females] Rudelstorfer R, et al. **Wien Med Wochenschr** 1987 Mar 31;137(5–6):120–2 (Eng. Abstr.) **(Ger)**

[Heterosexual partnerships of severely mentally retarded patients] Herrfurth R, et al. **Z Gesamte Hyg** 1986 Jul; 32(7):432–3 (Eng. Abstr.) **(Ger)**

[Sexual behavior in pregnancy] Magdowski E, et al. **Z Gesamte Hyg** 1987 Jun;33(6):310–2 (Eng. Abstr.) **(Ger)**

[Sexuality and urinary incontinence] Lamm D, et al. **Zentralbl Gynakol** 1986;108(23):1425–30 (Eng. Abstr.) **(Ger)**

[Partnership relations, sexuality and sexual behavior in elderly females and males after age 55. Partnership relations, sexuality and sexual reactions] Weissbach–Rieger A. **ZFA** 1987 Jul–Aug;42(4):207–9 (Eng. Abstr.) **(Ger)**

[Partnership relations, sexuality and sexual behavior in elderly females and males after age 55. I. Partnership relations and sexuality from the social gynecologic and sociological viewpoint] Weissbach–Rieger A. **ZFA** 1987 Jul–Aug; 42(4):203–5 (Eng. Abstr.) **(Ger)**

[Partnership relations, sexuality and sexual behavior in elderly females and males after age 55. Results of social gynecologic and social medicine studies] Weissbach–Rieger A, et al. **ZFA** 1987 Jul–Aug;42(4):211–3 (Eng. Abstr.) **(Ger)**

[Sexual function in asthmatic women] Rozenman D, et al. **Harefuah** 1987 Feb 1;112(3):121–3 (Eng. Abstr.) **(Heb)**

[Variety of forms of sexual activity as an epidemiological factor in acquiring AIDS] Stapiński A. **Przegl Dermatol** 1987 Jan–Feb;74(1):33–9 (Eng. Abstr.) **(Pol)**

[Sexual activity after myocardial infarction] Oliveira Júnior W. **Arq Bras Cardiol** 1986 Mar;46(3):205–9 (26 ref.) **(Por)**

[Viral meningoencephalitis and Klüver–Bucy syndrome. Report of 2 cases] Montanha EV, et al. **Arq Neuropsiquiatr** 1986 Dec;44(4):373–82 (Eng. Abstr.) **(Por)**

[Characteristics of the reproductive behavior and morbidity of women] Katkova IP, et al. **Sov Zdravookhr** 1987;(2):34–9 (Eng. Abstr.) **(Rus)**

[Imaginary "small fetishes" as factors in male sexual arousal] Molčan J, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):182–4 (Eng. Abstr.) **(Slo)**

[Changes in sexual behavior after tubal ligation] Gaviño Gaviño F, et al. **Ginecol Obstet Mex** 1986 Oct;54:278–84 (Eng. Abstr.) **(Spa)**

[Heterosexual transmission of the human immunodeficiency virus] Clotet B. **Med Clin (Barc)** 1987 May 9;88(18):721–3 (25 ref.) **(Spa)**

[Risk of infection with the human immunodeficiency virus in promiscuous heterosexual males (letter)] Flores JM, et al. **Med Clin (Barc)** 1987 Jun 6;89(2):83 **(Spa)**

[Heterosexual transmission of the human immunodeficiency virus in stable sexual partners of drug addicts] Tor J, et al. **Med Clin (Barc)** 1987 May 9;88(18):712–4 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Medroxyprogesterone acetate (MPA) treatment of sexual acting out in men suffering from dementia. Cooper AJ. **J Clin Psychiatry** 1987 Sep;48(9):368–70

Antidepressant medication and sexual function [letter] Cooper AJ. **J Clin Psychopharmacol** 1987 Apr;7(2):120–1

MDMA and human sexual function. Buffum J, et al. **J Psychoactive Drugs** 1986 Oct–Dec;18(4):355–9

Opioids and sexual behavior. Pfaus JG, et al. **Neurosci Biobehav Rev** 1987 Spring;11(1):1–34 (262 ref.)

PHYSIOLOGY

The female prostate: nonvestigial organ of the female. A reappraisal. Zaviačič M. **J Sex Marital Ther** 1987 Summer; 13(2):148–52

Sexuality during the menopause. Iddenden DA. **Med Clin North Am** 1987 Jan;71(1):87–94 (22 ref.)

Sexuality in the middle years. Sarrel PM. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):49–62

Neurohormonal functioning and sexual orientation: a theory of homosexuality–heterosexuality. Ellis L, et al. **Psychol Bull** 1987 Mar;101(2):233–58

Endocrine, psychological and genital response to sexual arousal in men. Rowland DL, et al. **Psychoneuroendocrinology** 1987;12(2):149–58

The role of androgen in the maintenance of sexual functioning in oophorectomized women. Sherwin BB, et al. **Psychosom Med** 1987 Jul–Aug;49(4):397–409

Sexuality in the elderly. Mallett EC, et al. **Semin Urol** 1987 May;5(2):141–5

[Effect of duration of sexual abstinence on the quality of human sperm in andrologic patients] Sievers F. **Z Hautkr** 1987 Jun 1;62(11):850–70 (Eng. Abstr.) **(Ger)**

[Sexual functions of men with a history of myocardial infarct during rehabilitation] Nikolaeva LF, et al. **Kardiologiia** 1986 Jul;26(7):82–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Sex behavior following primary radiotherapy of cervix cancer] Lasnik E, et al. **Geburtshilfe Frauenheilkd** 1986 Nov;46(11):813–6 (Eng. Abstr.) **(Ger)**

SEX BEHAVIOR, ANIMAL

Sexual interaction in adult laboratory rats: importance of female's stimuli and of male's experience. Dvorská I, et al. **Act Nerv Super (Praha)** 1986 Sep;28(3):174–81

Effect of visual cues from female on the postejaculatory operant behavior of male rat. Beck J. **Acta Physiol Pol** 1986 Jul–Aug;37(4–5):207–12

Mate choice by lineage in three captive groups of rhesus macaques (Macaca mulatta). Smith DG, et al. **Am J Phys Anthropol** 1987 Jun;73(2):185–91

Individual behavioral response mediates endocrine changes induced by social interaction. Cheng MF. **Ann NY Acad Sci** 1986;474:4–12 (23 ref.)

Influence of light intensity on rare–male advantage in Drosophila melanogaster. Lichtenberger M, et al. **Behav Genet** 1987 Mar;17(2):203–10

Minority mating advantage of certain eye color mutants of

Drosophila melanogaster. IV. Female discrimination among three genotypes. Spiess EB, et al. **Behav Genet** 1987 May;17(3):291–306

Sexual experience and preference for males or females in the female rat. de Jonge FH, et al. **Behav Neural Biol** 1987 May;47(3):369–83

Social isolation inhibits male-like sexual behavior in female hamsters. Hsu CH, et al. **Behav Neural Biol** 1986 Sep; 46(2):242–7

Prenatal stress and prepuberal social rearing conditions interact to determine sexual behavior in male rats. Ward IL, et al. **Behav Neurosci** 1985 Apr;99(2):301–9

Plasma steroid hormones in relation to behavioral sex role reversal in the spotted sandpiper, Actitis macularia. Fivizzani AJ, et al. **Biol Reprod** 1986 Dec;35(5):1195–201

The effect of season on the induction of sexual behavior by estradiol in female rhesus monkeys. Pope NS, et al. **Biol Reprod** 1987 May;36(4):1047–54

Oxytocin in the central nervous system and sexual behaviour in male rats. Hughes AM, et al. **Brain Res** 1987 Jun 23; 414(1):133–7

Inhibitory influence of corticotropin releasing factor on components of sexual behaviour in the male rat. Sirinathsinghji DJ. **Brain Res** 1987 Mar 24;407(1):185–90

Assessment of the sexual and antler potential of the male white-tailed deer (Odocoileus virginianus) by Gn-RH stimulation test. Bubenik GA, et al. **Comp Biochem Physiol [A]** 1987;86(4):767–71

Does intermale mounting function as a dominance demonstration in rhesus monkeys? Reinhardt V, et al. **Folia Primatol (Basel)** 1986:47(1):55–60

Courtship and copulation in Tarsius bancanus. Wright PC, et al. **Folia Primatol (Basel)** 1986;46(3):142–8

Pheromone from ovulatory female goldfish induces gonadotropin surge in males. Kobayashi M, et al. **Gen Comp Endocrinol** 1986 Sep;63(3):451–5

Plasma steroid hormone levels of female red-sided garter snakes, Thamnophis sirtalis parietalis: relationship to mating and gestation. Whittier JM, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):33–43

Hormonal regulation of chemosignal-stimulated precopulatory behaviors in male housemice (Mus musculus). Bean NJ, et al. **Horm Behav** 1986 Dec; 20(4):390–404

Attractivity of male and female rats which are hormonally manipulated during early development and in adulthood. de Jonge FH, et al. **Horm Behav** 1986 Dec;20(4):379–89

Expression of male-typical behavior in adult female pseudohermaphroditic rhesus: comparisons with normal males and neonatally gonadectomized males and females. Pomerantz SM, et al. **Horm Behav** 1986 Dec;20(4):483–500

Seasonality of adult male Japanese macaques (Macaca fuscata): androgens and behavior in a confined troop. Rostal DC, et al. **Horm Behav** 1986 Dec;20(4):452–62

Effects of pre- and postpubertal social experience on sexual and social behavior in male and female brown lemmings (Lemmus sibiricus). Coopersmith CB, et al. **J Comp Psychol** 1986 Dec;100(4):406–12

Sexual Pavlovian conditioned approach behavior in male Japanese quail (Coturnix coturnix japonica). Domjan M, et al. **J Comp Psychol** 1986 Dec;100(4):413–21

Social variables influence female sexual behavior in the musk shrew (Suncus murinus). Rissman EF. **J Comp Psychol** 1987 Mar;101(1):3–6

Song repertoire development in male cowbirds (Molothrus ater): its relation to female assessment of song potency. West MJ, et al. **J Comp Psychol** 1986 Sep;100(3):296–303

Role of the ultrasonic vocalization of the female rat (Rattus norvegicus) in sexual behavior. White NR, et al. **J Comp Psychol** 1987 Mar;101(1):73–81

Effects of hyperprolactinaemia on male sexual behaviour in the golden hamster and mouse. Shrenker P, et al. **J Endocrinol** 1987 Feb;112(2):221–8

Pavlovian conditioning of sexual arousal: parametric and background manipulations. Zamble E, et al. **J Exp Psychol [Anim Behav]** 1986 Oct;12(4):403–11

Characterization of oestrus and timed collection of oocytes in the grey short-tailed opossum, Monodelphis domestica. Baggott LM, et al. **J Reprod Fertil** 1987 Jan;79(1):105–14

Influence of pre- and post-copulatory pair contact on pregnancy success in Djungarian hamsters, Phodopus campbelli. Wynne-Edwards KE, et al. **J Reprod Fertil** 1987 May;80(1):241–9

A model describing the kinetics of mating in Drosophila. Dowse HB, et al. **J Theor Biol** 1986 Jul 21;121(2):173–83

Copulatory behavior of male rats paired with natural proestrous and hormone-treated ovariectomized females. Saito TR. **Jikken Dobutsu** 1987 Jan;36(1):91–3

A method for the routine observation of sexual behaviour in rats. Mercier O, et al. **Lab Anim** 1987 Apr;21(2):125–30

The wire-bar cage top as a barrier to breeding and genetic contamination of laboratory mice. Bean-Knudsen DE, et al. **Lab Anim Sci** 1987 Jun;37(3):350–1

Behavior of triatomines (Hemiptera: Reduviidae) vectors of Chagas' disease. II. Influence of feeding, lighting and time of day on the number of matings, mating speed and duration of copulation of Panstrongylus megistus (Burm, 1835) under laboratory conditions. Lima MM, et al. **Mem Inst Oswaldo Cruz** 1986 Oct-Dec;81(4):381–8

Behavior of triatomines (Hemiptera: Reduviidae) vectors of Chagas' disease. I. Courtship and copulation of Panstrongylus megistus (Burm., 1835) in the laboratory. Lima MM, et al. **Mem Inst Oswaldo Cruz** 1986 Jan-Mar; 81(1):1–5

Behaviour modification by in vitro mutagenesis of a variable region within the period gene of Drosophila. Yu Q, et al. **Nature** 1987 Apr 23–29;326(6115):765–9

Naltrexone blocks the effects of prenatal stress on sexual behavior differentiation in male rats. Ward OB, et al. **Pharmacol Biochem Behav** 1986 Sep;25(3):573–6

An improved chamber for the observation and analysis of the sexual behavior of the female rat. Mendelson SD, et al. **Physiol Behav** 1987;39(1):67–71

Stimulus qualities of a preferred female partner and sexual behavior of old rhesus males. Phoenix CH, et al. **Physiol Behav** 1986;38(5):673–6

Transcervical sperm transport in the rat: the roles of pre-ejaculatory behavior and copulatory plug fit. Toner JP, et al. **Physiol Behav** 1987;39(3):371–5

The importance of androgen metabolism in the regulation of reproductive behavior in the avian male. Harding CF. **Poult Sci** 1986 Dec;65(12):2344–51 (23 ref.)

Behavioral facilitation of reproduction in sexual and unisexual whiptail lizards. Crews D, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9547–50

Behavioral and sensory basis of courtship success in Drosophila melanogaster. Markow TA. **Proc Natl Acad Sci USA** 1987 Sep;84(17):6200–4

Geographic dialects in blind mole rats: role of vocal communication in active speciation. Nevo E, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3312–5

Sexual mimicry regulates the attractiveness of mated Drosophila melanogaster females. Scott D. **Proc Natl Acad Sci USA** 1986 Nov;83(21):8429–33

Sexual behavior of mares. Asa CS. **Vet Clin North Am [Equine Pract]** 1986 Dec;2(3):519–34

Reproductive behavior of the stallion. McDonnell S. **Vet Clin North Am [Equine Pract]** 1986 Dec;2(3):535–55

Abnormal behavior. Houpt KA. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):357–67 (55 ref.)

Endocrine systems and behavior. Katz LS. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):393–404 (60 ref.)

Male sexual behavior. Price EO. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):405–22 (83 ref.)

[Demonstration of mating behavior in the field in the European fallow deer (Dama d. dama)] Schaal A. **C R Acad Sci [III]** 1986;303(18):729–32 (Eng. Abstr.) **(Fre)**

[Practical aspects in grass-cutter breeding (Thryonomys swinderianus). I. Mating procedures and length of gestation] Mensah GA, et al. **Rev Elev Med Vet Pays Trop** 1986;39(2):239–42 (Eng. Abstr.) **(Fre)**

[Effect of the social rank of males on the reproductive function of mice] Renne U, et al. **Zh Obshch Biol** 1987 Jan-Feb;48(1):72–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of zeranol on reproduction in beef bulls: scrotal circumference, serving ability, semen characteristics, and pathologic changes of the reproductive organs. Deschamps JC, et al. **Am J Vet Res** 1987 Jan;48(1):137–47

Differences among ovariectomized female rhesus macaques in the display of sexual behavior without and with estradiol treatment. Chambers KC, et al. **Behav Neurosci** 1987 Jun; 101(3):303–8

Localization of hypothalamic sites for the estrogen-priming of sexual receptivity in female hamsters. Floody OR, et al. **Behav Neurosci** 1987 Jun;101(3):309–14

Neonatal testosterone propionate treatment in the female gerbil: morphological and behavioral effects. Raible LH, et al. **Behav Neurosci** 1987 Apr;101(2):215–8

Influences of pre- and postnatal testosterone treatment on defeminization of sexual receptivity in pigs. Ford JJ, et al. **Biol Reprod** 1987 Apr;36(3):581–7

Threshold for behavioral response to testosterone in old castrated male rhesus macaques. Phoenix CH, et al. **Biol Reprod** 1986 Nov;35(4):918–26

Leumorphin, a novel opioid peptide, promotes lordosis in female rats. Sakuma Y, et al. **Brain Res** 1987 Mar 31; 407(2):401–4

Suppression of mating behaviour in the male rat by intracerebroventricular infusions of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Sirinathsinghji DJ. **Brain Res** 1987 Mar 31;407(2):364–8

Estrogen induction of sexual behavior in female rats and synthesis of polyadenylated messenger RNA in the ventromedial nucleus of the hypothalamus. Yahr P, et al. **Brain Res** 1986 Nov;387(2):153–65

Neuroendocrine and behavioral effects of intrathecal capsaicin in adult female rats. Nance DM, et al. **Brain Res Bull** 1987 Jan;18(1):109–14

Testis functions and sexual potentia in langur monkey treated with a combination steroidal contraceptive formulation. Lohiya NK, et al. **Contraception** 1986 Oct;34(4):417–33

Repeated failure of prenatal ACTH administration to alter masculine behavior in mice. de Catanzaro D, et al. **Dev Psychobiol** 1986 Nov;19(6):501–10

Antagonism of female sexual behavior with intracerebral implants of antiprogestin RU 38486: correlation with binding to neural progestin receptors. Etgen AM, et al. **Endocrinology** 1986 Oct;119(4):1610–7

Intracranial sites regulating the biphasic action of progesterone in estrogen-primed golden hamsters. Takahashi LK, et al. **Endocrinology** 1986 Dec; 119(6):2744–54

Effects of 5-HT1A selective anxiolytics on lordosis behavior: interactions with progesterone. Mendelson SD, et al. **Eur J Pharmacol** 1986 Dec 16;132(2–3):323–6

Cimetidine does not demasculinize male rat offspring exposed in utero. Walker TF, et al. **Fundam Appl Toxicol** 1987 Feb; 8(2):188–97

Rapid decline in the behavioral response of paradise fish (Macropodus opercularis) to prostaglandin F2 alpha treatment. Villars TA, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):157–61

Sex-specific interactions between aggressive and sexual behavior in the rat: effects of testosterone and progesterone. de Jonge FH, et al. **Horm Behav** 1986 Dec;20(4):432–44

Female sexual behavior in hypogonadal mice with GnRH-containing brain grafts. Gibson MJ, et al. **Horm Behav** 1987 Jun;21(2):211–22

Estradiol plus progesterone treatment and precopulatory behavior in prepubertally ovariectomized female rats: dose-response relationships. Hliňák Z. **Horm Behav** 1986 Sep;20(3):263–9

Sex differences in response to discrete estradiol injections. Moreines J, et al. **Horm Behav** 1986 Dec;20(4):445–51

Effects of the antiandrogens cyproterone acetate and flutamide on male reproductive behavior in a lizard (Anolis sagrei). Tokarz RR. **Horm Behav** 1987 Mar;21(1):1–16

Effects of testosterone, estrogen, and dihydrotestosterone upon aggressive and sexual behavior of female rats. van de Poll NE, et al. **Horm Behav** 1986 Dec;20(4):418–31

Effects of cyproterone acetate on mating behavior, testicular morphology, testosterone level, and body temperature in male ferrets in comparison with normal and castrated males. Kästner D, et al. **Horm Res** 1987;25(3):178–84

Role of androgens in the establishment and regulation of behavioral sex differences in mammals. Goy RW. **J Anim Sci** 1966;25 Suppl:21–35

Failure of the synthetic androgen 17 beta-hydroxy-17 alpha-methyl-estra-4,9,11-triene-3-one (methyltrienolone, R1881) to duplicate the activational effect of testosterone on mating in castrated male rats. Baum MJ, et al. **J Endocrinol** 1987 Apr;113(1):15–20

Naloxone reverses post-ejaculatory inhibition of sexual behaviour in female rats. Forsberg G, et al. **J Endocrinol** 1987 Jun;113(3):429–34

Naloxone stimulates sexual behaviour in lactating rats. Forsberg G, et al. **J Endocrinol** 1987 Jun;113(3):423–7

Are catechol oestrogens obligatory mediators of oestrogen action in the central nervous system? II. Potencies of natural and synthetic oestrogens for induction of gonadotrophin release and female sexual behaviour in the rat. MacLusky NJ, et al. **J Endocrinol** 1986 Sep; 110(3):499–505

Minimal effects of 17 beta-hydroxy-17 alpha-methyl-estra-4,9,11-triene-3-one (R1881) on sexual behaviour in prepubertally castrated rams. Parrott RF. **J Endocrinol** 1986 Sep;110(3):481–7

Neonatal exposure to delta 9-tetrahydrocannabinol enhances sexual responses in the adult male mouse [published erratum appears in J Endocrinol 1987 Mar;112(3):481] Shrenker P, et al. **J Endocrinol** 1986 Sep;110(3):517–23

Activation of sexual behaviour in castrated rats: the role of oestradiol. Södersten P, et al. **J Endocrinol** 1986 Dec; 111(3):455–62

Olfactory recognition in the male hamster: effect of non-aromatizable androgens, 17 beta-hydroxy-17 alpha-methyl-estra-4,9,11-triene-3-one (R 1881) and 5 alpha-dihydrotestosterone, in combination with oestrogen. Steel E, et al. **J Endocrinol** 1986 Sep;110(3):525–31

Age-related changes in plasma oestrogen concentration, behavioural responsiveness to oestrogen, and reproductive success in female gray-tailed voles, Microtus canicaudus. Petersen SL. **J Reprod Fertil** 1986 Sep;78(1):57–64

Influence of neonatal steroid (diethylstilbestrol, allylestrenol) treatment on the sexual behaviour of the adult rat. Csaba G, et al. **Med Biol** 1986;64(4):193–5

The effect of trichloroethylene on male sexual behavior: possible opioid role. Nelson JL, et al. **Neurobehav Toxicol Teratol** 1986 Sep-Oct;8(5):441–5

Reproductive behavior of female rats treated with ethanol on postnatal days 1–7 or 8–14. Sonderegger TB, et al. **Neurobehav Toxicol Teratol** 1986 Jul-Aug;8(4):415–9

Effects of apomorphine on sexual behavior in young and middle-aged rats. Clark JT, et al. **Neurobiol Aging** 1987 Mar-Apr;8(2):153–7

Estrogen-induced and estrogen-facilitated female rat sexual behavior is not mediated by progestin receptors. Blaustein JD, et al. **Neuroendocrinology** 1987 Feb;45(2):152–9

Long-term weekly gonadal steroid treatment: effects on plasma prolactin, sexual behavior and hypothalamic-preoptic area catecholamines. Clark JT, et al. **Neuroendocrinology** 1986;44(4):488–93

Facilitation of lordosis by injection of substance P into the midbrain central gray. Dornan WA, et al. **Neuroendocrinology** 1987 Jun;45(6):498–506

Antagonism of sexual behavior in female rats by ventromedial hypothalamic implants of antiestrogen. Meisel RL, et al. **Neuroendocrinology** 1987 Mar;45(3):201–7

Opioids and sexual behavior. Pfaus JG, et al.

Neurosci Biobehav Rev 1987 Spring;11(1):1–34 (262 ref.)
The effect of naloxone on sexual behavior in female rats depends on the site of injection. Lindblom C, et al. **Neurosci Lett** 1986 Sep 25;70(1):97–100
Effects of vasopressin on female sexual behavior in male rats. Södersten P, et al. **Neurosci Lett** 1986 Aug 29;69(2):188–91
Selective activation of opioid receptors differentially affects lordosis behavior in female rats. Pfaus JG, et al. **Peptides** 1987 Mar–Apr;8(2):309–17
Short and long term inhibitory actions of alpha–melanocyte stimulating hormone on lordosis in rats. Raible LH, et al. **Peptides** 1986 Jul–Aug;7(4):581–6
Lisuride inhibits temporarily sexual behavior in female rats. Hlinák Z. **Pharmacol Biochem Behav** 1987 Jun;27(2):211–5
Naloxone inhibits mating and conditioned place preference for an estrous female in male rats soon after castration. Miller RL, et al. **Pharmacol Biochem Behav** 1987 Apr; 26(4):781–9
Reversible disruption of lordosis via midbrain infusions of procaine and tetrodotoxin. Rothfeld JM, et al. **Pharmacol Biochem Behav** 1986 Oct;25(4):857–63
Nicotinic cholinergic influences on sexual receptivity in female rats. Weaver DR, et al. **Pharmacol Biochem Behav** 1987 Feb;26(2):393–400
Lisuride–induced mounting and its modification by drugs active on adrenergic and dopaminergic receptors. Ferrari F, et al. **Pharmacol Res Commun** 1986 Dec;18(12):1159–68
Photoperiodic modulation of steroid–induced lordosis in golden hamsters. Badura LL, et al. **Physiol Behav** 1987; 40(4):551–4
Cholecystokinin stimulates and inhibits lordosis behavior in female rats. Bloch GJ, et al. **Physiol Behav** 1987; 39(2):217–24
Effective intervals for the administration of estradiol pulses and the induction of sexual behavior in female rats. Clark AS, et al. **Physiol Behav** 1987;39(5):665–7
Testosterone and its metabolites in male cynomolgus monkeys (Macaca fascicularis): behavior and biochemistry. Michael RP, et al. **Physiol Behav** 1987;40(4):527–37
Nonaromatizable androgens may stimulate a male mouse reproductive behavior by binding estrogen receptors. Nyby JG, et al. **Physiol Behav** 1987;39(2):147–51
Asymmetry in responsiveness of the hypothalamus of the female rat to estradiol. Roy EJ, et al. **Physiol Behav** 1987; 40(2):267–9
The ejaculatory behavior of sexually sluggish male rats treated with (–)deprenyl, apomorphine, bromocriptine and amphetamine. Dalló J, et al. **Pol J Pharmacol Pharm** 1986 May–Jun;38(3):251–5
Cell biology of the neural circuit for steroid–dependent female reproductive behavior. Cohen RS. **Prog Brain Res** 1987;72:137–51 (66 ref.)
Effects of imidazole and some imidazole–derivatives on lisuride–induced mounting and aggressiveness. Ferrari F, et al. **Psychopharmacology (Berlin)** 1987;93(1):19–24
Effects of D2–dopaminergic receptor stimulation on the lordotic response of female rats. Foreman MM, et al. **Psychopharmacology (Berlin)** 1987;91(1):96–100
The effect of midazolam and beta–carboline carboxylic acid ethyl ester on behaviour, steroid hormones and central monoamine metabolites in social groups of talapoin monkeys. Vellucci SV, et al. **Psychopharmacology (Berlin)** 1986;90(3):367–72

PHYSIOLOGY

Stress–related effects on the secretion of progesterone by the adrenals in castrated male rats presented to stimulus males. Involvement of oestrogen. Schaeffer C, et al. **Acta Endocrinol (Copenh)** 1987 Mar;114(3):440–5
The effects of copulatory behavior on sperm transport and fertility in rats. Adler NT, et al. **Ann NY Acad Sci** 1986; 474:21–32 (63 ref.)
Elevation in hypothalamic cyclic AMP as a common factor in the facilitation of lordosis in rodents: a working hypothesis. Beyer C, et al. **Ann NY Acad Sci** 1986; 474:270–81 (130 ref.)
Reciprocity in neuroendocrine and evolutionary approaches to the study of reproductive behavior. Diakow C. **Ann NY Acad Sci** 1986;474:325–30 (20 ref.)
Social induction of the ovarian response in the female ring dove. Erickson CJ. **Ann NY Acad Sci** 1986;474:13–20 (27 ref.)
The role of androgen metabolism in the activation of male behavior. Harding CF. **Ann NY Acad Sci** 1986;474:371–8 (33 ref.)
The role of the vomeronasal organ in behavioral control of reproduction. Johns MA. **Ann NY Acad Sci** 1986; 474:148–57 (78 ref.)
Genital stimulation as a trigger for neuroendocrine and behavioral control of reproduction. Komisaruk BR, et al. **Ann NY Acad Sci** 1986;474:64–75 (110 ref.)
Steroid hormone antagonists and behavior. Landau IT. **Ann NY Acad Sci** 1986;474:379–88 (87 ref.)
Noradrenergic regulation of progestin receptors: new findings, new questions. Nock B. **Ann NY Acad Sci** 1986; 474:415–22 (52 ref.)
Heterotypical sexual behavior: implications from variations. Thornton JE. **Ann NY Acad Sci** 1986;474:362–70 (47 ref.)
Hormonal control of behavior—a cautionary note. Whalen RE. **Ann NY Acad Sci** 1986;474:354–61 (52 ref.)
MPOA and BNST lesions in male Syrian hamsters: differential effects on copulatory and chemoinvestigatory behaviors. Powers JB, et al. **Behav Brain Res** 1987 Mar; 23(3):181–95
The ontogeny of sex appeal in Drosophila melanogaster males. Curcillo PG, et al. **Behav Genet** 1987 Jan;17(1):81–6
Courtship behavior and the kinetics of mating in three lines of Drosophila simulans and their hybrids. Ringo JM, et al. **Behav Genet** 1987 Mar;17(2):141–54
Effect of anosmia on reproduction in male and female wolves (Canis lupus). Asa CS, et al. **Behav Neural Biol** 1986 Nov; 46(3):272–84
Effects of female odors on the sexual behavior of male hamsters. Johnston RE. **Behav Neural Biol** 1986 Sep; 46(2):168–88
Evidence of proceptive without receptive defeminization in male ferrets. Baum MJ, et al. **Behav Neurosci** 1985 Aug; 99(4):742–50
Photoperiodic and endocrine control of social proximity behavior in male Japanese quail (Coturnix coturnix japonica). Domjan M. **Behav Neurosci** 1987 Jun; 101(3):385–92
Differential effects of lesions in three limbic areas on ultrasound production and lordosis by female hamsters. Kirn J, et al. **Behav Neurosci** 1985 Dec;99(6):1142–52
Temperature activation of courtship behavior in the male red–sided garter snake (Thamnophis sirtalis parietalis): role of the anterior hypothalamus–preoptic area. Krohmer RW, et al. **Behav Neurosci** 1987 Apr;101(2):228–36
Female and male sexual responses in female cats with ventromedial hypothalamic lesions. Leedy MG, et al. **Behav Neurosci** 1985 Oct;99(5):936–41
Hormonal control of sexual behavior in the female rat: molecular, cellular and neurochemical studies. McEwen BS, et al. **Biol Reprod** 1987 Feb;36(1):37–45 (67 ref.)
Role of the ovary and adrenal gland in the sexual behavior of the musk shrew, Suncus murinus. Rissman EF, et al. **Biol Reprod** 1987 Apr;36(3):664–8
Behavioural and ovarian changes during the oestrous cycle in the Boran (Bos indicus). Llewelyn CA, et al. **Br Vet J** 1987 Jan–Feb;143(1):75–82
Brainstem reticular stimulation facilitates back muscle motoneuronal responses to pudendal nerve input. Cohen MS, et al. **Brain Res** 1987 Mar 3;405(1):155–8
Effects of total and partial spinal transections on the pudendal nerve–evoked response in rat lumbar axial muscle. Cohen MS, et al. **Brain Res** 1987 Jan 13;401(1):103–12
Olfactory bulb removal decreases androgen receptor binding in amygdala and hypothalamus and disrupts masculine sexual behavior. Lumia AR, et al. **Brain Res** 1987 Feb 24; 404(1–2):121–6
Sexual differentiation and hormonal control of the sexually dimorphic medial preoptic nucleus in the quail. Panzica GC, et al. **Brain Res** 1987 Jul 21;416(1):59–68
Lesions in the preoptic area suppressed sexual receptivity in ovariectomized rats with estrogen implants in the ventromedial hypothalamus. Bast JD, et al. **Brain Res Bull** 1987 Feb;18(2):153–8
Effects of sex and reproductive state on acoustic responsiveness in hamsters. Floody OR, et al. **Brain Res Bull** 1987 Feb;18(2):235–44
Effects of tegmental lesions on lordosis and body weight in female hamsters. Floody OR, et al. **Brain Res Bull** 1986 Jul;17(1):59–66
Maintenance of progesterone–facilitated sexual behavior in female rats requires continued hypothalamic protein synthesis and nuclear progestin receptor occupation. Brown TJ, et al. **Endocrinology** 1987 Jul;121(1):298–304
Cyclic Djungarian hamsters, Phodopus campbelli, lack the progesterone surge normally associated with ovulation and behavioral receptivity. Wynne–Edwards KE, et al. **Endocrinology** 1987 Apr;120(4):1308–16
Control of breeding in the mare. Colquhoun KM, et al. **Equine Vet J** 1987 Mar;19(2):138–42
Sex pheromones of two Asian moths (Creatonotos transiens, C. gangis; Lepidoptera—Arctiidae): behavior, morphology, chemistry and electrophysiology. Wunderer H, et al. **Exp Biol** 1986;46(1):11–27
Plasma concentrations of prolactin during the breeding cycle in the Cape gannet (Sula capensis): a foot incubator. Hall MR. **Gen Comp Endocrinol** 1986 Oct;64(1):112–21
Hormonal control of courtship and copulatory behavior in male Cnemidophorus inornatus, a direct sexual ancestor of a unisexual, parthenogenetic lizard. Lindzey J, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):411–8
Corticosterone–binding proteins and behavioral effects of high plasma levels of corticosterone during the breeding period in the pied flycatcher. Silverin B. **Gen Comp Endocrinol** 1986 Oct;64(1):67–74
Male stimuli are necessary for female sexual behavior and uterine growth in prairie voles (Microtus ochrogaster). Carter CS, et al. **Horm Behav** 1987 Mar;21(1):74–82
Estrogen and the induction of lordosis in female and male prairie voles (Microtus ochrogaster). Carter CS, et al. **Horm Behav** 1987 Mar;21(1):65–73
Hormonal control of sex differences in ultrasound production by hamsters. Floody OR, et al. **Horm Behav** 1987 Mar; 21(1):17–35
Aromatase inhibition depresses ultrasound production and copulation in male hamsters. Floody OR, et al. **Horm Behav** 1987 Mar;21(1):100–4
Uterine position and the activation of male sexual activity in testosterone propionate–treated female guinea pigs. Gandelman R. **Horm Behav** 1986 Sep;20(3):287–93
Progesterone induction of pseudocopulatory behavior and stimulus–response complementarity in an all–female lizard species. Grassman M, et al. **Horm Behav** 1986 Sep; 20(3):327–35
Stimulus and hormonal determinants of flehmen behavior in cats. Hart BL, et al. **Horm Behav** 1987 Mar;21(1):44–52
Gonadal influences on sexual behavior in the male musk shrew (Suncus murinus). Rissman EF. **Horm Behav** 1987 Mar;21(1):132–6
Castration, sex steroids, and heterosexual behavior in adult male laboratory–housed stumptailed macaques (Macaca arctoides). Schenck PE, et al. **Horm Behav** 1986 Sep; 20(3):336–53
Hormonal responses to female conspecifics in hyperprolactinemic male rats and mice. Sellers KJ, et al. **Horm Behav** 1987 Mar;21(1):83–92
Hormonal regulation of male reproductive behavior in the lizard Anolis sagrei: a test of the aromatization hypothesis. Tokarz RR. **Horm Behav** 1986 Sep;20(3):364–77
A prenatal source for defeminization of female rats is the maternal ovary. Witcher JA, et al. **Horm Behav** 1987 Mar; 21(1):36–43
Polyadenylated and nonadenylated messenger RNA and androgen control of sexual behavior and scent marking in male gerbils. Yahr P, et al. **Horm Behav** 1987 Mar; 21(1):53–64
Sexual behaviour during ovarian cycles, pregnancy and lactation in group–living stumptail macaques (Macaca arctoides). Nieuwenhuijsen K, et al. **Hum Reprod** 1986 Apr; 1(3):159–69
Evaluation of involvement of accessory olfactory (vomeronasal) system in estrous cyclicity and mating in female mice. Rajendren G, et al. **Indian J Exp Biol** 1986 Sep;24(9):573–7
Influences of season and artificial photoperiod on stallions: testicular size, seminal characteristics and sexual behavior. Clay CM, et al. **J Anim Sci** 1987 Feb;64(2):517–25
Visual stimuli and reproductive behavior in bulls. Hale EB. **J Anim Sci** 1966;25 Suppl:36–48
Behavioral aspects of reproduction in prin. tes. Harlow HF, et al. **J Anim Sci** 1966;25 Suppl:49–67
Behavioral, social and psychological factors affecting mating time and breeding efficiency in sheep. Hulet CV. **J Anim Sci** 1966;25 Suppl:5–20
Estrous behavior in confined beef cows. Hurnik JF, et al. **J Anim Sci** 1987 Aug;65(2):431–8
Nutritional effects on hormone production. Leathem JH. **J Anim Sci** 1966;25 Suppl:68–82
Hormonal patterns of boars exposed to natural or supplemental lighting during pubertal development. Lee KH, et al. **J Anim Sci** 1987 Apr;64(4):1110–6
Effect of energy intake after weaning on the sexual development of beef bulls. II. Age at first mating, age at puberty, testosterone and scrotal circumference. Pruitt RJ, et al. **J Anim Sci** 1986 Aug;63(2):579–85
Influence of biostimulation by mature bulls on occurrence of puberty in beef heifers. Roberson MS, et al. **J Anim Sci** 1987 Jun;64(6):1601–5
Regulation of breeding season and estrous cycles by light and external stimuli in some mammals. Thibault C, et al. **J Anim Sci** 1966;25 Suppl:119–42
Effects of plane of nutrition and phenobarbital during the pre–mating period on reproduction in ewes fed differentially during the summer and mated in the fall. Thomas DL, et al. **J Anim Sci** 1987 Apr;64(4):1144–52
Changes in neck muscles in Swedish reindeer bucks during rutting season. Kiessling KH, et al. **J Comp Physiol [B]** 1987;157(1):45–50
Mounting behavior as affected by stage of estrous cycle in Holstein heifers. Helmer SD, et al. **J Dairy Sci** 1985 May; 68(5):1290–6
Relationships of sexual activities in estrous cows to different frequencies of observation and pedometer measurements. Pennington JA, et al. **J Dairy Sci** 1986 Nov;69(11):2925–34
Dissociation between the ovarian factors controlling sexual receptivity and preovulatory secretion of LH in cyclic female rats. Södersten P, et al. **J Endocrinol** 1987 Jan; 112(1):133–8
Diesters of 3–hydroxy fatty acids produced by the uropygial glands of female mallards uniquely during the mating season. Kolattukudy PE, et al. **J Lipid Res** 1987 May; 28(5):582–8
Effects of D2–dopaminergic receptor stimulation on male rat sexual behavior. Foreman MM, et al. **J Neural Transm** 1987;68(3–4):153–70
Brain cells that command sexual behavior in the snail Helix aspersa. Chase R. **J Neurobiol** 1986 Nov;17(6):669–79
The influence of maternal adrenal function during gestation on hormonal and long–term behavioral parameters in the offspring of rats. Götz F, et al. **Monogr Neural Sci** 1986; 12:112–6
Possible role of alpha–2–noradrenergic receptors in modulation of sexual behavior in female guinea pigs. Vincent PA, et al. **Neuroendocrinology** 1987 Jun;46(1):10–3
Involvement of the catecholamine mechanisms in the activation of mouse hypophyseotesticular complex induced by the female presence effect. Naumenko EV, et al. **Neurosci Behav Physiol** 1987 Mar–Apr;17(2):179–83
Sexual activity alters the concentration of amino acids in the cerebrospinal fluid of male rats. Qureshi GA, et al. **Neurosci Lett** 1986 Oct 20;70(3):374–8
Induction of maternal behavior in sexually inexperienced

male rats following removal of the vomeronasal organ. Saito TR. **Nippon Juigaku Zasshi** 1986 Oct;48(5):1029–30

Separation of dopaminergic and serotonergic inhibitory mechanisms in the mediation of estrogen–induced lordosis behaviour in the rat. Fernández–Guasti A, et al. **Pharmacol Biochem Behav** 1987 May;27(1):93–8

Intermale social aggression: reinstatement in castrated rats by implants of testosterone propionate in the medial hypothalamus. Albert DJ, et al. **Physiol Behav** 1987; 39(5):555–60

Effects of metabolism inhibitors, antiestrogens and antiandrogens on the androgen and estrogen induced sexual behavior in Japanese quail. Alexandre C, et al. **Physiol Behav** 1986 Oct;38(4):581–91

Olfactory environment and early mating behavior in the cyclic female rat. Antz–Vaxman M, et al. **Physiol Behav** 1986;38(2):241–5

Effects of ventromedial nucleus lesions on the display of lordosis behavior in the male rat. Interactions with facilitory effects of male urine. Chateau D, et al. **Physiol Behav** 1987;39(3):341–5

The effect of photoperiod on development of sexual behavior and fertility in golden hamsters. Cherry JA. **Physiol Behav** 1987;39(4):521–6

The influence of estrogen, testosterone and progesterone on partner preference, receptivity and proceptivity. de Jonge FH, et al. **Physiol Behav** 1986;37(6):885–91

Effects of adrenalectomy upon proceptivity, receptivity and sexual attractiveness in ovariectomized marmosets (Callithrix jacchus). Dixson AF. **Physiol Behav** 1987; 39(4):495–9

Mating–induced inhibition of receptivity in the female golden hamster (Mesocricetus auratus): III. Stimuli mediating long–term effects. Huck UW, et al. **Physiol Behav** 1987; 39(4):421–8

Short photoperiods increase ultrasonic vocalization rates among male Syrian hamsters. Matochik JA, et al. **Physiol Behav** 1986 Oct;38(4):453–8

Pinealectomy blocks vernal courtship behavior in red–sided garter snakes. Nelson RJ, et al. **Physiol Behav** 1987; 39(2):231–3

Spontaneous testicular recrudescence of Syrian hamsters: role of stimulatory photoperiods. Nelson RJ, et al. **Physiol Behav** 1987;39(5):615–7

Testicular hormones during the first few hours after birth augment the tendency of adult male rats to mount receptive females. Roffi J, et al. **Physiol Behav** 1987;39(5):625–8

Sexual behavior in the female rat following removal of the vomeronasal organ. Saito TR, et al. **Physiol Behav** 1986; 38(1):81–7

Male rat behavior, endocrinology and reproductive physiology in a mixed–sex, socially stressful colony. Taylor GT, et al. **Physiol Behav** 1987;39(4):429–33

Poly–A+ mRNA and defeminization of sexual behavior and gonadotropin secretion in rats. Ulibarri C, et al. **Physiol Behav** 1987;39(6):767–74

Aging and primate male sexual behavior. Phoenix CH, et al. **Proc Soc Exp Biol Med** 1986 Nov;183(2):151–62

Prenatal stress: effects on sexual receptivity in female rats. Rojo M, et al. **Rev Esp Fisiol** 1986 Sep;42(3):379–81

Sexual behavior of female domestic mammals. Hurnik JF. **Vet Clin North Am [Food Anim Pract]** 1987 Jul;3(2):423–61 (120 ref.)

[Physiologic basis for the "attractiveness" of female rats for males] Gladkova AI, et al. **Fiziol Zh SSSR** 1986 Dec; 72(12):1609–13 (Eng. Abstr.) **(Rus)**

[Involvement of catecholamine mechanisms in the activation of the mouse hypophyseal–testicular complex induced by the presence of females] Naumenko EV, et al. **Probl Endokrinol (Mosk)** 1986 Nov–Dec;32(6):55–9 (Eng. Abstr.) **(Rus)**

SEX CHARACTERISTICS

Sex dimorphism in the thyroid gland. IV. Cytologic aspects of sex dimorphism in the rat thyroid gland. Malendowicz LK, et al. **Acta Anat (Basel)** 1986;127(2):115–8

Sex differences in spatial abilities: strategic and experiential correlates. Miller LK, et al. **Acta Psychol (Amst)** 1986 Aug; 62(3):225–35

Skeletal development in ruminants: further data on sexual dimorphism in elk (Alces alces). Bartosiewicz L. **Acta Vet Hung** 1986;34(3–4):159–68

The influence of age and gender on left ventricular response to supine exercise in asymptomatic normal subjects. Adams KF, et al. **Am Heart J** 1987 Mar;113(3):732–42

The sexually dimorphic larynx of Xenopus laevis: development and androgen regulation. Sassoon D, et al. **Am J Anat** 1986 Dec;177(4):457–72

Sex–specific differences in plasma branched–chain keto acid levels in obesity. Schauder P, et al. **Am J Clin Nutr** 1987 Jul;46(1):58–60

Are parent–child resemblances in growth sex limited? [letter] Garn JM, et al. **Am J Dis Child** 1987 Feb;141(2):127–8

Sexual dimorphism in mandibular growth of French–Canadian children 6 to 10 years of age. Buschang PH, et al. **Am J Phys Anthropol** 1986 Sep;71(1):33–7

Variations in sexual dimorphism in the skulls of rats subjected to malnutrition, castration, and treatment with gonadal hormones. Dahinten SL, et al. **Am J Phys Anthropol** 1986 Sep;71(1):63–7

Unusually low sexual dimorphism of endocranial capacity in a Zulu cranial series. Ricklan DE, et al. **Am J Phys Anthropol** 1986 Nov;71(3):285–93

Evidence for cAMP as a mediator of gonadotropin secretion from female pituitaries. Bourne GA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E290–5

Evidence for cAMP as a mediator of gonadotropin secretion from male pituitaries. Bourne GA, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):E296–9

Seasonal, sexual, and individual variation in endurance and activity metabolism in lizards. Garland T Jr, et al. **Am J Physiol** 1987 Mar;252(3 Pt 2):R439–49

Sex differences in function and distribution of alpha 1– and alpha 2–adrenoceptors in rabbit urethra. Morita T, et al. **Am J Physiol** 1987 Jun;252(6 Pt 2):F1124–8

Sex–related differences in fever development of rats. Murakami N, et al. **Am J Physiol** 1987 Feb;252(2 Pt 2):R284–9

Biliary tract disease. Is there a difference in men? Bates DM, et al. **Am J Surg** 1987 Jun;153(6):532–4

Disparate cardiovascular findings in men and women with essential hypertension. Messerli FH, et al. **Ann Intern Med** 1987 Aug;107(2):158–61

No sex–related differences in human corpus callosum based on magnetic resonance imagery. Oppenheim JS, et al. **Ann Neurol** 1987 Jun;21(6):604–6

Interaction of species–typical environmental and hormonal factors in sexual differentiation of behavior. Moore CL. **Ann NY Acad Sci** 1986;474:108–19 (34 ref.)

Heterotypical sexual behavior: implications from variations. Thornton JE. **Ann NY Acad Sci** 1986;474:362–70 (47 ref.)

Sex–related interactions of cadmium and lead in changing cardiovascular homeostasis and tissue metal levels of chronically exposed rats. Carmignani M, et al. **Arch Toxicol [Suppl]** 1987;11:216–9

Sex difference in ultrasound distress call by rat pups. Naito H, et al. **Behav Brain Res** 1987 Jul;25(1):13–21

Sex differences and reversal of brain asymmetry by testosterone in chickens. Zappia JV, et al. **Behav Brain Res** 1987 Mar;23(3):261–7

Sex differences in the effects of gonadectomy on amphetamine–induced rotational behavior in rats. Camp DM, et al. **Behav Neural Biol** 1986 Nov;46(3):491–5

Sex differences in sulfation and glucuronidation of phenol, 4–nitrophenol and N–hydroxy–2–acetylaminofluorene in the rat in vivo. Meerman JH, et al. **Biochem Pharmacol** 1987 Aug 15;36(16):2605–8

Metabolism and covalent binding of hexachlorobenzene by isolated male and female rat hepatocytes. Stewart FP, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2232–4

Sex–related differences in desaturation and chain elongation of essential fatty acids studied in isolated rat hepatocytes. Hagve TA, et al. **Biochim Biophys Acta** 1987 Jul 31; 920(2):149–54

Sex differences in latencies of bilateral electrodermal responses. Miossec Y, et al. **Biol Psychol** 1986 Oct; 23(2):115–25

Sex differences in blood amino acid concentration and cell/plasma distribution in the domestic fowl. García FJ, et al. **Br Poult Sci** 1986 Sep;27(3):379–84

Sexual differences in neural tuning and their effect on active space. Wilczynski W. **Brain Behav Evol** 1986;28(1–3):83–94

Testosterone–induced enhancement of male medial preoptic tissue transplant volume in female recipients: a possible neuronotrophic action. Arendash GW, et al. **Brain Res** 1987 Jul;431(1):69–77

Rotational movement (circling) in normal humans: sex difference and relationship to hand, foot and eye preference. Bracha HS, et al. **Brain Res** 1987 May 19; 411(2):231–5

Modulation of oxytocin secretion by ascending noradrenergic pathways: sexual dimorphism in rats. Carter DA, et al. **Brain Res** 1987 Mar 17;406(1–2):313–6

Release of growth hormone, prolactin and somatostatin during perifusion of anterior pituitary and preoptic–medial basal hypothalamus from male and female rats. Critchlow V, et al. **Brain Res** 1986 Nov 29;398(2):347–53

The bed nucleus of the stria terminalis in the rat: regional sex differences controlled by gonadal steroids early after birth. del Abril A, et al. **Brain Res** 1987 Apr;429(2):295–300

Sex differences in the rat forebrain. Diamond MC. **Brain Res** 1987 May;434(2):235–40 (19 ref.)

Evidence that serotonin is involved in the sexually dimorphic development of the preoptic area in the rat brain. Handa RJ, et al. **Brain Res** 1986 Dec;395(2):278–82

Steroid autoradiography of the sexually dimorphic nucleus of the preoptic area. Jacobson CD, et al. **Brain Res** 1987 Jun 30;414(2):349–56

Testosterone implants into the amygdala during the neonatal period masculinize the social play of juvenile female rats. Meaney MJ, et al. **Brain Res** 1986 Nov 29;398(2):324–8

Sexual differentiation and hormonal control of the sexually dimorphic medial preoptic nucleus in the quail. Panzica GC, et al. **Brain Res** 1987 Jul 21;416(1):59–68

Ontogeny of functional innervation of bulbocavernosus muscles in male and female rats. Rand MN, et al. **Brain Res** 1987 May;430(1):150–2

Sexually dimorphic opioid distribution in the preoptic area: manipulation by gonadal steroids. Watson RE Jr, et al. **Brain Res** 1986 Nov 19;398(1):157–63

Monosodium glutamate neurotoxicity: a sex–specific impairment of blood pressure but not vasopressin in developing rats. Clough RW, et al. **Brain Res Bull** 1986 Jul;17(1):51–8

Hormonal control of cell death in a sexually dimorphic song nucleus in the zebra finch. Konishi M, et al. **Ciba Found Symp** 1987;126:173–85 (35 ref.)

Mineral uptake by the femora of older female X–linked hypophosphatemic (HYP) mice but not older male HYP mice. Brault BA, et al. **Clin Orthop** 1987 Sep;(222):289–99

Age– and sex–specific incidence of femoral neck and trochanteric fractures. An analysis based on 20,538 fractures in Stockholm County, Sweden, 1972–1981. Hedlund R, et al. **Clin Orthop** 1987 Sep;(222):132–9

Trazodone kinetics: effect of age, gender, and obesity. Greenblatt DJ, et al. **Clin Pharmacol Ther** 1987 Aug; 42(2):193–200

Bromazepam pharmacokinetics: influence of age, gender, oral contraceptives, cimetidine, and propranolol. Ochs HR, et al. **Clin Pharmacol Ther** 1987 May;41(5):562–70

Masculinity and femininity in early Renaissance treatises on human reproduction. Lemay HR. **Clio Med** 1983; 18(1–4):21–31

Sexually dimorphic and laterally asymmetric development of the embryonic duck syrinx: effect of estrogen on in vitro cell proliferation and chondrogenesis. Takahashi MM, et al. **Dev Biol** 1987 Jun;121(2):417–22

Effects of age and sex on pattern electroretinograms and visual evoked potentials. Celesia GG, et al. **Electroencephalogr Clin Neurophysiol** 1987 May; 68(3):161–71

The relationship of the latency of the visual P100 wave to gender and head size. Guthkelch AN, et al. **Electroencephalogr Clin Neurophysiol** 1987 May; 68(3):219–22

Evidence for a direct in vitro action of sex steroids on rabbit cartilage cells during skeletal growth: influence of age and sex. Corvol MT, et al. **Endocrinology** 1987 Apr; 120(4):1422–9

Endurance capacity of untrained males and females in isometric and dynamic muscular contractions. Maughan RJ, et al. **Eur J Appl Physiol** 1986;55(4):395–400

Comparison of the sex and subcellular distributions, catalytic and immunochemical reactivities of hepatic epoxide hydrolases in seven mammalian species. Meijer J, et al. **Eur J Biochem** 1987 Sep 1;167(2):269–79

Neonatal sex reversal of the brain and the urinary excretion of sex dependent proteins (SDP) in the rat. Alt JM, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):129–38

The sex difference in fetal lung surfactant production. Torday JS, et al. **Exp Lung Res** 1987;12(1):1–19 (91 ref.)

Sex differences in the effects of haloperidol, morphine, and their combination on colonic temperature in rats. de–la–Cruz F, et al. **Exp Neurol** 1987 May;96(2):376–80

Laterality associated with sexual dimorphism in the volume of the mouse hypogastric ganglion. Suzuki Y, et al. **Exp Neurol** 1986 Oct;94(1):241–5

Cytochemical and functional evaluation of ACTH responsive isolated rat adrenocortical cells. The maintenance of sex differences. Fichna P, et al. **Folia Histochem Cytobiol** 1987; 25(1):3–15

Androgen–binding levels in a sexually dimorphic muscle of Xenopus laevis. Segil N, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):95–101

Human axillary secretions influence women's menstrual cycles: the role of donor extract from men. Cutler WB, et al. **Horm Behav** 1986 Dec;20(4):463–73

Sex–specific interactions between aggressive and sexual behavior in the rat: effects of testosterone and progesterone. de Jonge FH, et al. **Horm Behav** 1986 Dec;20(4):432–44

Hormonal control of sex differences in ultrasound production by hamsters. Floody OR, et al. **Horm Behav** 1987 Mar; 21(1):17–35

Uterine position and the activation of male sexual activity in testosterone propionate–treated female guinea pigs. Gandelman R. **Horm Behav** 1986 Sep;20(3):287–93

Stimulus and hormonal determinants of flehmen behavior in cats. Hart BL, et al. **Horm Behav** 1987 Mar;21(1):44–52

Sex differences in response to discrete estradiol injections. Moreines J, et al. **Horm Behav** 1986 Dec;20(4):445–51

Expression of male–typical behavior in adult female pseudohermaphroditic rhesus: comparisons with normal males and neonatally gonadectomized males and females. Pomerantz SM, et al. **Horm Behav** 1986 Dec;20(4):483–500

Human axillary secretions influence women's menstrual cycles: the role of donor extract of females. Preti G, et al. **Horm Behav** 1986 Dec;20(4):474–82

Dermatoglyphic sexual dimorphism in Israelis: principal components and discriminant analyses applied to quantitative traits. Micle S, et al. **Hum Biol** 1986 Aug; 58(4):485–98

Sex difference in the development of deoxycorticosterone–salt hypertension in the rat. Ouchi Y, et al. **Hypertension** 1987 Feb;9(2):172–7

Comparative study of visual and auditory reaction time of hands and feet in males and females. Misra N, et al. **Indian J Physiol Pharmacol** 1985 Oct–Dec;29(4):213–8

Sex differences in regional distribution of fat cell size and lipoprotein lipase activity in morbidly obese patients. Fried SK, et al. **Int J Obes** 1987;11(2):129–40

Sex differences in nitrogen balance following marrow grafting for leukemia. Cheney CL, et al. **J Am Coll Nutr** 1987 Jun;6(3):223–30

Sex and training differences in human growth hormone levels during prolonged exercise. Bunt JC, et al.

J Appl Physiol 1986 Nov;61(5):1796–801
Testosterone-induced changes in contractile protein isoforms in the sexually dimorphic temporalis muscle of the guinea pig. Lyons GE, et al. **J Biol Chem** 1986 Oct 5; 261(28):13278–84
The role of relative weight in the positive association between age and serum cholesterol in men and women. Nanas S, et al. **J Chronic Dis** 1987;40(9):887–92
Site- and sex-related differences in adrenoreceptor status of human adipose tissue. Leibel RL, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1205–10
Sexual dimorphism in sympathetic preganglionic neurons of the rat hypogastric nerve. Nadelhaft I, et al. **J Comp Neurol** 1987 Feb 8;256(2):308–15
Sexual differentiation of androgen accumulation within the zebra finch brain through selective cell loss and addition. Nordeen EJ, et al. **J Comp Neurol** 1987 May 15; 259(3):393–9
Genetic and sex-related differences in the structure of submandibular glycoconjugates. Schulte BA. **J Dent Res** 1987 Feb;66(2):442–50
A sex difference in endogenous opioid regulation of the posterior pituitary response to stress in the rat. Carter DA, et al. **J Endocrinol** 1986 Nov;111(2):239–44
Sexual dimorphism in immunoneutralization of bioactivity of rat and ovine inhibin. van Dijk S, et al. **J Endocrinol** 1986 Nov;111(2):255–61
Renin relationship to sex, race and age in a normotensive population. James GD, et al. **J Hypertens [Suppl]** 1986 Dec; 4(5):S387–9
Sex differences in the densities of epidermal Langerhans cells of the mouse. Koyama Y, et al. **J Invest Dermatol** 1987 May;88(5):541–4
Sexual dimorphism in the response of the GABAergic system to estrogen administration. Perez J, et al. **J Neurochem** 1986 Dec;47(6):1798–803
Medial preoptic sexual dimorphisms in the guinea pig. II. An investigation of medial preoptic neurogenesis. Byne W, et al. **J Neurosci** 1987 Sep;7(9):2697–702
Medial preoptic sexual dimorphisms in the guinea pig. I. An investigation of their hormonal dependence. Byne W, et al. **J Neurosci** 1987 Sep;7(9):2688–96
Gender-related differences in gastric emptying. Datz FL, et al. **J Nucl Med** 1987 Jul;28(7):1204–7
The weaker sex? Men in women's working conditions report similar health symptoms. Mergler D, et al. **J Occup Med** 1987 May;29(5):417–21
Differences between sexes in maximum jaw opening when corrected to body size. Pullinger AG, et al. **J Oral Rehabil** 1987 May;14(3):291–9
An investigation of sex-linked differences to the toxic and to the pharmacological actions of difenacoum: studies in mice and rats. Winn MJ, et al. **J Pharm Pharmacol** 1987 Mar;39(3):219–22
Sex differences in prolactin change during mourning. Lane RD, et al. **J Psychosom Res** 1987;31(3):375–83
Sex difference in mouse embryonic development at neurulation. Seller MJ, et al. **J Reprod Fertil** 1987 Jan; 79(1):159–61
Fetal gender effects on maternal serum prolactin levels. Gonzalez FA, et al. **J Reprod Med** 1987 Jan;32(1):21–4
Pacemaker treated women with heart block have no increase in the frequency of HLA-B27 and associated rheumatic disorders in contrast to men—a sex linked difference in disease susceptibility. Bergfeldt L, et al. **J Rheumatol** 1986 Oct;13(5):941–3
Ethanol metabolism in men and women. Cole-Harding S, et al. **J Stud Alcohol** 1987 Jul;48(4):380–7
Sexual differentiation of mammalian frontal cortex. Maggi A, et al. **Life Sci** 1987 Mar 23;40(12):1155–60
Mammary gland growth and serum levels of prolactin and growth hormone in four strains of male mice in comparison with females. Nagasawa H, et al. **Life Sci** 1987 Apr 13; 40(15):1473–8
A possible morphological sexual dimorphism in the human gastrocnemius muscle. Mysorekar VR, et al. **Med Sci Law** 1987 Jan;27(1):17–20
Sex-related naloxone influence on growth hormone-releasing hormone-induced growth hormone secretion in normal subjects. Barbarino A, et al. **Metabolism** 1987 Feb; 36(2):105–9
Sex difference in the micronucleus test. The Collaborative Study Group for the Micronucleus Test. **Mutat Res** 1986 Nov;172(2):151–63
Saccharin preference in animals prenatally exposed to alcohol: no evidence of altered sexual dimorphism. Abel EL, et al. **Neurobehav Toxicol Teratol** 1986 Sep–Oct; 8(5):521–3
Female reproductive function and sexually dimorphic prolactin secretion in rats with lesions in the medial preoptic–anterior hypothalamic continuum. Jakubowski M, et al. **Neuroendocrinology** 1986;43(6):696–705
Vasopressin levels in the cerebrospinal fluid in rats of different age and sex. Jolkkonen J, et al. **Neuroendocrinology** 1986;44(2):163–7
Loss of estradiol-positive feedback action on LH release during prepubertal period in rats treated postnatally with an opiate antagonist. Lira SA, et al. **Neuroendocrinology** 1986;44(3):331–7
Role of sexual differentiation of the hypothalamus in the differential effect of the serotoninergic system on LH in prepubertal male and female rats. Moguilevsky JA, et al. **Neuroendocrinology** 1987 Apr;45(4):274–7
Electrophysiological evidence for a sex difference in neural regulation of prolactin secretion in rats. Wiersma J, et al. **Neuroendocrinology** 1986;44(4):475–82
Hormones and handedness: left-hand bias in female congenital adrenal hyperplasia patients. Nass R, et al. **Neurology** 1987 Apr;37(4):711–5
Sex role and spatial ability: an EEG study. Berfield KA, et al. **Neuropsychologia** 1986;24(5):731–5
The influence of gender, handedness and head-turn on auditory asymmetries. Dawe S, et al. **Neuropsychologia** 1986;24(6):857–62
Sex differences in polysaccharide and sugar preferences in rats. Sclafani A, et al. **Neurosci Biobehav Rev** 1987 Summer; 11(2):241–51
Reduction of the volume of the sexually dimorphic nucleus of the preoptic area by in utero ethanol exposure in male rats. Rudeen PK. **Neurosci Lett** 1986 Dec 23;72(3):363–8
Effects of vasopressin on female sexual behavior in male rats. Södersten P, et al. **Neurosci Lett** 1986 Aug 29;69(2):188–91
Sex differences in the survival of copper-deficient rats. **Nutr Rev** 1987 Aug;45(8):250–1 (5 ref.)
Elimination and toxicity of perfluorooctanoic acid during subchronic administration in the Wistar rat. Hanhijärvi H, et al. **Pharmacol Toxicol** 1987 Jul;61(1):66–8
Males increase serum estrogen and estrogen receptor binding in brain of female voles. Cohen-Parsons M, et al. **Physiol Behav** 1987;39(3):309–14
Effects of early postnatal gonadal steroids on the successive conditional discrimination reversal learning in the rat. Guillamón A, et al. **Physiol Behav** 1986;38(6):845–9
Sex differences in response rates during random ratio acquisition: effects of gonadectomy. Heinsbroek RP, et al. **Physiol Behav** 1987;39(2):269–72
Modulation of gender-specific effects upon swim analgesia in gonadectomized rats. Romero MT, et al. **Physiol Behav** 1987;40(1):39–45
Gender differences in two forms of cold-water swim analgesia. Romero MT, et al. **Physiol Behav** 1986; 37(6):893–7
Absence of behavioral differences between male and female rats in different radial-maze procedures. van Haaren F, et al. **Physiol Behav** 1987;39(3):409–12
Behavioral differences between male and female Wistar rats on DRL schedules: effect of stimuli promoting collateral activities. van Hest A, et al. **Physiol Behav** 1987; 39(2):255–61
Behavioral differences between male and female Wistar rats in food rewarded lever holding. van Hest A, et al. **Physiol Behav** 1987;39(2):263–7
Sexual dimorphism in broilers following periods of equal water and feed intake. Marks HL. **Poult Sci** 1987 Mar; 66(3):381–9
Androstenedione may organize or activate sex-reversed traits in female spotted hyenas. Glickman SE, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3444–7
Castration reversibly alters levels of cholecystokinin immunoreactivity within cells of three interconnected sexually dimorphic forebrain nuclei in the rat. Simerly RB, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2087–91
Sex differences in n-3 and n-6 fatty acid metabolism in EFA-depleted rats. Huang YS, et al. **Proc Soc Exp Biol Med** 1987 Jul;185(3):291–6
Social factors and the gender difference in mortality. Koskenvuo M, et al. **Soc Sci Med** 1986;23(6):605–9
The sex difference in manifestations of carotid bifurcation disease. Ford CS, et al. **Stroke** 1986 Sep–Oct;17(5):877–81
Dose- and stage-related sex difference in the incidence of cytosine arabinoside induced digit anomalies in the mouse fetus. Goto T, et al. **Teratology** 1987 Feb;35(1):35–40
Sex determination of the human skull based upon line drawing from roentgen cephalograms. Funayama M, et al. **Tohoku J Exp Med** 1986 Aug;149(4):407–16
[Cyclical ovarian function of ovaries transplanted into male monkeys and the sexual differentiation of the brain in primates] Presl J. **Cesk Gynekol** 1987 Mar;52(2):133–6 **(Cze)**
[Ontogenetic and sexual variability of the proportions of the facial tegumentary profile] Cretot M. **Orthod Fr** 1985; 56(2):623–35 (Eng. Abstr.) **(Fre)**
[Body hair: an atavistic relic?] Eckes LK. **Hautarzt** 1987 Mar; 38(3):125–30 (Eng. Abstr.) **(Ger)**
[Effect of sex on brainstem auditory evoked potentials] Maurizi M, et al. **Acta Otorhinolaryngol Ital** 1985 Sep–Oct; 5(5):455–60 (Eng. Abstr.) **(Ita)**
[Sex-related alterations in the functional development of the thermoregulatory system of rats exposed to tricyclic antidepressants at an early age] Taguchi H. **Nippon Yakurigaku Zasshi** 1987 Feb;89(2):63–72 (Eng. Abstr.) **(Jpn)**
[Systemic and peripheral hemodynamics of healthy persons of different ages and both sexes] Dobromyslova OP, et al. **Fiziol Cheloveka** 1986 Jul–Aug;12(4):585–9 **(Rus)**
[Stereologic analysis of the development of the sexually dimorphic nucleus in the medial preoptic area in the human fetus] Polzović A, et al. **Med Pregl** 1986;39(3–4):121–4 (Eng. Abstr.) **(Ser)**

SEX CHROMATIN

Incidence and relationship of sex chromatin with histological appearance of tumor in breast carcinoma. Murthy L, et al. **Indian J Pathol Microbiol** 1986 Apr;29(2):159–65
Sex chromatin screening of female athletes [letter] Bassis LM. **JAMA** 1987 Apr 10;257(14):1896–7
The use and misuse of sex chromatin screening for 'gender identification' of female athletes. de la Chapelle A. **JAMA** 1986 Oct 10;256(14):1920–3

SEX CHROMOSOME ABNORMALITIES

Combined cytogenetic techniques and non-fluorescent Y. Cytologic evidences of dic(Yp)(q11) in a previously interpreted 46,X,Yq-. de Almeida JC, et al. **Ann Genet (Paris)** 1986;29(2):114–8
47,XXY karyotype in a patient with Beckwith–Wiedemann syndrome. Fryns JP, et al. **Ann Genet (Paris)** 1986; 29(2):112–3
Methylation and the X chromosome. Monk M. **Bioessays** 1986 May;4(5):204–8
Molecular analysis of Duchenne and Becker muscular dystrophy. Worton RG. **Bioessays** 1987 Aug;7(2):57–62 (29 ref.)
Prospective studies on children with sex chromosome aneuploidy. **Birth Defects** 1986;22(3):1–328
Transplantation of bone marrow with constitutional chromosomal anomalies. Cytogenetic studies and clinical implications. Becher R, et al. **Blut** 1986 Oct;53(4):341–6
XYY syndrome and acute myeloblastic leukemia. Midro AT, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):363–5
Unusual in vivo rearrangements of the Y-chromosome in two males. Fryns JP, et al. **Clin Genet** 1987 Mar;31(3):132–6
Precocious disjunction of XY-bivalent in mouse germinal cells exposed in vivo to mitomycin C. Chakrabarti S, et al. **Indian J Exp Biol** 1986 Oct;24(10):636–7
Hermaphroditism, sex chromosomal mosaicism and germ cell selection in allophenic mice. Mintz B. **J Anim Sci** 1968;27 Suppl 1:51–60
Pericentric inversions of the X chromosome. A new observation and review of the published cases. Pfeiffer RA, et al. **J Genet Hum** 1986 Aug;34(3–4):331–7
Fragile X syndrome: a review. Casamassimo PS, et al. **J Oral Med** 1986 Oct–Dec;41(4):228–33 (22 ref.)
[Female karyotype and male phenotype: XX men. Apropos of 2 cases] Teyssier M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1986;15(6):751–6 (Eng. Abstr.) **(Fre)**
[Male infertility with chromosomal abnormalities. II. XX-male syndrome] Hazama M, et al. **Hinyokika Kiyo** 1987 Feb;33(2):193–203 (Eng. Abstr.) **(Jpn)**

BLOOD

LRH-stimulated release of bioactive and immunoreactive LH in a patient with the XX male syndrome. Grandi M, et al. **Exp Clin Endocrinol** 1987 Apr;89(2):229–32
[47,XYY syndrome and serum alpha fetoprotein] Brandt CA. **Ugeskr Laeger** 1987 Jun 1;149(23):1541 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Recurrent otitis media in the fragile X syndrome. Hagerman RJ, et al. **Am J Dis Child** 1987 Feb;141(2):184–7
Central nervous system neoplasm in a young man with Martin-Bell syndrome—fra(X)-XLMR. Rodewald L, et al. **Am J Med Genet** 1987 Jan;26(1):7–12
Coincidence of familial systemic lupus erythematosus and the fragile X syndrome. Belghiti D, et al. **Ann Genet (Paris)** 1986;29(4):261–3
Unusual association of XYY chromosomal constitution with colobomas of iris, myopia, increased lipoproteins, mental retardation and convulsions. Kitsiou S, et al. **Ann Genet (Paris)** 1986;29(4):264–5
Ophthalmologic findings in the fragile X syndrome. Storm RL, et al. **Arch Ophthalmol** 1987 Aug;105(8):1099–102
Fragile X syndrome: skin elastin abnormalities. Waldstein G, et al. **Birth Defects** 1987;23(1):103–14
Fragile X syndrome in a population of autistic children. Wright HH, et al. **J Am Acad Child Psychiatry** 1986 Sep; 25(5):641–4
Inflammatory bowel disease and X chromosome abnormalities. A case report. Verp MS, et al. **J Reprod Med** 1987 Jun;32(6):466–8
Sotos syndrome and fragile X chromosomes [letter] Verloes A, et al. **Lancet** 1987 Aug 8;2(8554):329
[Mental retardation linked to the fragile X chromosome] Mattei JF. **Arch Fr Pediatr** 1987 Apr;44(4):241–3 **(Fre)**

DIAGNOSIS

Possible similarities between the fragile X and Asperger's syndromes [letter] Bartolucci G, et al. **Am J Dis Child** 1987 Jun;141(6):601–2
Ethics of predictive testing for Huntington's chorea [letter] Kearns A. **Br Med J [Clin Res]** 1986 Sep 13; 293(6548):695–6
Diagnostic applications of H-Y serology: H-Y negative phenotype in cells from 45,X/46,XY fetus with testes. Lieber E, et al. **Clin Genet** 1986 Nov;30(5):366–73
Fragile X; experience of a laboratory [letter] Soudek D. **Clin Genet** 1986 Oct;30(4):346–7
Y-190, a DNA probe for the sensitive detection of Y-derived marker chromosomes and mosaicism. Müller U, et al. **Hum Genet** 1987 Feb;75(2):109–13

Prenatal diagnosis of a 46,XX,inv(12)pat/47,XX,i(Xq),inv(12)pat. Varela M, et al. **Hum Genet** 1987 Jan;75(1):93–4

Fragile X syndrome. Chudley AE, et al. **J Pediatr** 1987 Jun; 110(6):821–31 (85 ref.)

The fragile X chromosome [letter] **N Engl J Med** 1987 Feb 19;316(8):483

Parental decisions regarding termination of pregnancy following prenatal detection of sex chromosome abnormality. Holmes-Siedle M, et al. **Prenat Diagn** 1987 May;7(4):239–44

Prenatal diagnosis of the fragile X using thymidine induction. Sutherland GR, et al. **Prenat Diagn** 1987 Mar;7(3):197–202

Prenatal diagnosis of the fragile X syndrome using fetal blood and amniotic fluid. Webb TP, et al. **Prenat Diagn** 1987 Mar; 7(3):203–14

[Unexpected chromosomal abnormalities in prenatal diagnosis. 4 case reports with preservation of the pregnancy] Gilgenkrantz S, et al. **J Genet Hum** 1986 Aug; 34(3–4):245–54 (Eng. Abstr.) **(Fre)**

[What course should be adopted after the discovery of a gonosome anomaly in the fetal karyotype?] Le Marec B, et al. **J Genet Hum** 1987 Jan;35(1):63–8 (Eng. Abstr.) **(Fre)**

[XYY syndrome (diplo-Y syndrome)] Braun-Scharm H, et al. **Z Kinder Jugenpsychiatr** 1986;14(2):175–83 (Eng. Abstr.) **(Ger)**

[Prenatal cytogenetic diagnosis of a 69,XXX/46,XX fetus] Doria Lamba Carbone L, et al. **Pathologica** 1985 Nov-Dec; 77(1052):761–6 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Folic acid as an adjunct in the treatment of children with the autism fragile-X syndrome (AFRAX). Gillberg C, et al. **Dev Med Child Neurol** 1986 Oct;28(5):624–7

FAMILIAL & GENETIC

Increased expression of fragile site Xq by hydroxyurea. Preliminary communication. Gorski G, et al. **Acta Anthropogenet** 1985;9(1–3):71–6

Variants of sexual differentiation in relation to sex chromosomal aberrations. Bergada C, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:183–7 (10 ref.)

Congenital adrenal hypoplasia, myopathy, and glycerol kinase deficiency: molecular genetic evidence for deletions. Francke U, et al. **Am J Hum Genet** 1987 Mar;40(3):212–27

A new DNA probe proximal to and closely linked to fragile X [letter] Carpenter NJ, et al. **Am J Med Genet** 1987 Jul; 27(3):731–2

Autosomal suppressor gene for fragile-X: an hypothesis. Israel MH. **Am J Med Genet** 1987 Jan;26(1):19–31

De novo X;Y translocation associated with imperforate anus and retinal pigmentary abnormalities. Johnston K, et al. **Am J Med Genet** 1987 Jul;27(3):603–11

Further linkage data on Norrie disease. Kivlin JD, et al. **Am J Med Genet** 1987 Mar;26(3):733–6

H-Y typing by ELISA in a 46,X,dic(Y)(q11.2101) male: effects of a nonmosaic Yp duplication. Moreira-Filho CA, et al. **Am J Med Genet** 1987 Mar;26(3):709–17

Fragile X transmission and the determination of carrier probabilities for genetic counseling. Mulley JC, et al. **Am J Med Genet** 1987 Apr;26(4):987–90

Linkage and genetic counselling for the fragile X using DNA probes 52A, F9, DX13, and ST14. Mulley JC, et al. **Am J Med Genet** 1987 Jun;27(2):435–48

A new genetic model for the fragile X syndrome involving an autosomal suppressor gene—comments on the paper by M.H. Israel. Sherman SL. **Am J Med Genet** 1987 Jan; 26(1):33–6

A counseling guide to the Martin-Bell syndrome. Weaver DD, et al. **Am J Med Genet** 1987 Jan;26(1):39–44

Increased sister chromatid exchange frequency at Xq27 site in affected fragile X males. Wenger SL, et al. **Am J Med Genet** 1987 Apr;26(4):909–14

Fragile X syndrome: a common etiology of mental retardation [published erratum appears in Am J Ment Defic 1987 May;91(6):619] Rogers RC, et al. **Am J Ment Defic** 1987 Mar;91(5):445–9

The fragile X syndrome. Brown WT, et al. **Ann NY Acad Sci** 1986;477:129–50 (98 ref.)

Fragile X syndrome: a unique mutation in man. Nussbaum RL, et al. **Annu Rev Genet** 1986;20:109–45 (118 ref.)

Triploidy with an extra sex chromosome (70,XXYY) and elevated alpha-fetoprotein levels. Meisner LF, et al. **Birth Defects** 1987;23(1):333–9

Expression of two G-6-PD genes in an XX phenotypic male. Steinberg MH, et al. **Br J Haematol** 1986 Sep;64(1):107–10

Relations between a dermatoglyphic measure, hemispheric specialization, and intellectual abilities in 47,XXY males. Netley C, et al. **Brain Cogn** 1987 Apr;6(2):153–60

An abnormal terminal X-Y interchange accounts for most but not all cases of human XX maleness. Petit C, et al. **Cell** 1987 Jun 5;49(5):595–602

Analysis of fragile X-mental retardation families using flanking polymorphic DNA probes. Goonewardena P, et al. **Clin Genet** 1986 Oct;30(4):249–54

Non-mosaic isodicentric X-chromosome in a patient with secondary amenorrhea. Ponzio G, et al. **Clin Genet** 1987 Jul;32(1):20–3

Genetic mapping of the human X chromosome: linkage analysis of the q26–q28 region that includes the fragile X locus and isolation of expressed sequences. Mandel JL, et al. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:195–203

Expression of fragile X in human–mouse somatic cell hybrids. Lin MS, et al. **Cytogenet Cell Genet** 1987;44(2–3):118–22

Testis development in a mouse with 10% of XY cells. Singh L, et al. **Dev Biol** 1987 Jul;122(1):287–90

X-linked centronuclear myopathy as a cause of floppy baby. Donders G, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 Jan;24(1):33–8

The fragile X syndrome (Martin-Bell syndrome). Clinical and cytogenetic findings in 16 prepubertal boys and in 4 of their 5 families. Schinzel A, et al. **Helv Paediatr Acta** 1985 Jul;40(2–3):133–52

46XX male; report of case. Okuyama A, et al. **Hinyokika Kiyo** 1986 Oct;32(10):1539–42

From hemophilia B to hemophilia A via the fragile X locus: genes and recombination in the distal region of the human X chromosome long arm. Oberlé I, et al. **Horiz Biochem Biophys** 1986;8:51–89 (90 ref.)

A fragile X female with Down syndrome. Arinami T, et al. **Hum Genet** 1987 Sep;77(1):92–4

Further evidence for genetic heterogeneity in the fragile X syndrome. Brown WT, et al. **Hum Genet** 1987 Apr; 75(4):311–21

Hypothesis regarding the nature of the fragile X mutation. A reply to Winter and Pembrey. Brown WT, et al. **Hum Genet** 1987 Mar;75(3):294–5

Ten families with fragile X syndrome: linkage relationships with four DNA probes from distal Xq. Buchanan JA, et al. **Hum Genet** 1987 Jun;76(2):165–72

The origin and phenotype of XO males [letter] Fraccaro M, et al. **Hum Genet** 1987 Apr;75(4):392

Further cytologic evidence for Xp–Yp translocation in XX males using in situ hybridization with Y-derived probe. Magenis RE, et al. **Hum Genet** 1987 Mar;75(3):228–33

Multipoint genetic mapping of the Xq26–q28 region in families with fragile X mental retardation and in normal families reveals tight linkage of markers in q26–q27. Oberlé I, et al. **Hum Genet** 1987 Sep;77(1):60–5

What causes the abnormal phenotype in a 49,XXXXY male? Sarto GE, et al. **Hum Genet** 1987 May;76(1):1–4

Analysis of linkage relationships between genetic markers around the fragile X locus with special reference to the daughters of normal transmitting males. Winter RM, et al. **Hum Genet** 1986 Sep;74(1):93–7

Population genetics implications of the premutation hypothesis for the generation of the fragile X mental retardation gene. Winter RM. **Hum Genet** 1987 Mar; 75(3):269–71

Hormonal & H-Y antigen studies in 49, XXXXY syndrome. Mathews AR, et al. **Indian J Med Res** 1987 Feb;85:198–201

Fragile X syndrome: clinical, cytogenetic, biochemical and molecular features. Mixon JC, et al. **Indian J Pediatr** 1986 Jul–Aug;53(4):451–9

Variation of the human secondary sex ratio and lethal recessive X-linked mutations. Astolfi P, et al. **J Biosoc Sci** 1987 Jul;19(3):283–94

An XX male with schizophrenia: a case of personality development and illness similar to that in XXY males. Müller N, et al. **J Clin Psychiatry** 1987 Sep;48(9):379–80

Linkage analysis using multiple Xq DNA polymorphisms in normal families, families with the fragile X syndrome, and other families with X linked conditions. Connor JM, et al. **J Med Genet** 1987 Jan;24(1):14–22

Replication status of fragile X(q27.3) in 13 female heterozygotes. Tuckerman E, et al. **J Med Genet** 1986 Oct; 23(5):407–10

The fragile X syndrome in a large family. III. Investigations on linkage of flanking DNA markers with the fragile site Xq27. Veenema H, et al. **J Med Genet** 1987 Jul;24(7):413–21

The fragile X syndrome in a large family. I. Cytogenetic and clinical investigations. Veenema H, et al. **J Med Genet** 1987 Jan;24(1):23–31

Twelve families with fragile X(q27). Webb T, et al. **J Med Genet** 1986 Oct;23(5):400–6

Presumptive mosaic origin of an XX/XY female with ambiguous genitalia. Zuffardi O, et al. **J Med Genet** 1987 Mar;24(3):177–80

The fragile-X syndrome in twin sisters. Cowie VA, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):81–5

Klinefelter syndrome and associated fragile-X syndrome. Pueschel SM, et al. **J Ment Defic Res** 1987 Mar;31 (Pt 1):73–9

Successful pregnancy outcome after therapy for a müllerian anomaly with concomitant sex chromosomal mosaicism. A case report. Randolph JF Jr, et al. **J Reprod Med** 1987 May;32(5):383–4

RFLP for linkage analysis of fragile X syndrome [letter] Brown WT, et al. **Lancet** 1987 Jan 31;1(8527):280

Implications of fragile X expression in normal males for the nature of the mutation. Ledbetter DH, et al. **Nature** 1986 Nov 13–19;324(6093):161–3

Exchange of terminal portions of X- and Y-chromosomal short arms in human XX males. Page DC, et al. **Nature** 1987 Jul 30–Aug 5;328(6129):437–40

Deletion of a DNA sequence in eight of nine families with X-linked ichthyosis (steroid sulphatase deficiency). Gillard EF, et al. **Nucleic Acids Res** 1987 May 26;15(10):3977–85

Choroideremia in interstitial deletion of the X chromosome. Rosenberg T, et al. **Ophthalmic Paediatr Genet** 1986 Dec; 7(3):205–10

Isolation and characterization of a steroid sulfatase cDNA clone: genomic deletions in patients with X-chromosome-linked ichthyosis. Ballabio A, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(13):4519–23

Cytogenetic and molecular studies on a recombinant human X chromosome: implications for the spreading of X chromosome inactivation. Mohandas T, et al. **Proc Natl Acad Sci USA** 1987 Jul;84(14):4954–8

The fragile X site in somatic cell hybrids: an approach for molecular cloning of fragile sites. Warren ST, et al. **Science** 1987 Jul 24;237(4813):420–3

[Current methods of chromosome studies] Simola KO. **Duodecim** 1986;102(20):1545–53 **(Fin)**

[XYY syndrome in orthopedic practice] Stein V. **Beitr Orthop Traumatol** 1986 Jul;33(7):329–33 (Eng. Abstr.) **(Ger)**

[Arylsulfatase C deficiency in leukocytes in patients and carrier of X-chromosome recessive ichthyosis] Hadlich J, et al. **Dermatol Monatsschr** 1986;172(10):624–6 **(Ger)**

[X-chromosomal recessive ichthyosis. Detection of heterozygote status in genetically possible carriers by determination of arylsulfatase C activity] Hadlich J, et al. **Dermatol Monatsschr** 1986;172(12):734–6 **(Ger)**

[Sex chromosome abnormalities] Bühler EM. **Ther Umsch** 1986 Dec;43(12):888–92 (Eng. Abstr.) **(Ger)**

[Cytogenetic study of 140 patients with changes in sexual features] Palka G, et al. **Minerva Med** 1987 Jun 30; 78(12):855–9 (Eng. Abstr.) **(Ita)**

[(Fra)X in male cousins with mental retardation] Rożynkowa D, et al. **Pediatr Pol** 1986 Jul;61(7):441–5 **(Pol)**

[Spontaneous and induced chromosome instability in patients with fragile X syndrome] Suleimanova DG, et al. **Genetika** 1987 Mar;23(3):504–9 (Eng. Abstr.) **(Rus)**

[XX male: 1st case in Chile. Demonstration of the presence of Y-specific sequences in his DNA] Castillo Taucher S, et al. **Rev Med Chil** 1986 Oct;114(10):964–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Brain lipids of a myelin-deficient rabbit mutant during development. Domańska-Janik K, et al. **Neurochem Pathol** 1986 Jun;4(3):135–51

OCCURRENCE

Chromosome examination of 20,222 newborn children: results from a 7.5-year study in Arhus, Denmark. Nielsen J, et al. **Birth Defects** 1986;22(3):209–19

Prevalence of the fragile X syndrome in an institution for the mentally handicapped. Primrose DA, et al. **Br J Psychiatry** 1986 Jun;148:655–7

Chromosome analyses of 2,319 cases in genetic counseling clinic. Li LY, et al. **Chin Med J [Engl]** 1986 Jul;99(7):527–34

Frequency of the fragile X syndrome in institutionalized mentally retarded females in Japan. Arinami T, et al. **Hum Genet** 1987 Aug;76(4):344–7

Prevalence of the fragile X syndrome in four birth cohorts of children of school age. Kähkönen M, et al. **Hum Genet** 1987 Sep;77(1):85–7

The frequency of the fragile X chromosome among schoolchildren in Coventry. Webb TP, et al. **J Med Genet** 1986 Oct;23(5):396–9

[Incidence of oligophrenia with fragile X chromosome (FraXq27)] Bliumina MG. **Genetika** 1987 Jan;23(1):184–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ovarian size in the fragile X mental retardation syndrome [letter] Goodman RM, et al. **Am J Med Genet** 1987 Jan; 26(1):17–8

Phenotypic variation in male-transmitted fragile X: genetic inferences. Loesch DZ, et al. **Am J Med Genet** 1987 Jun; 27(2):401–17

A supraumbilical midline raphé with sternal cleft in a 47,XXX woman. Stoll C, et al. **Am J Med Genet** 1987 May; 27(1):229–31

The fetal pathology of the XXXXY-syndrome. Rehder H, et al. **Clin Genet** 1986 Sep;30(3):213–8

Dermatoglyphic peculiarities in families with X-linked mental retardation and fragile site Xq27: a collaborative study. Rodewald A, et al. **Clin Genet** 1986 Jul;30(1):1–13

Spermatogenesis in two patients with the fragile X syndrome. I. Histology: light and electron microscopy. Johannisson R, et al. **Hum Genet** 1987 Jun;76(2):141–7

[Arrhythmogenic dysplasia of the right ventricle and trisomy X. A single auricle and persistence of the left superior vena cava] Sánchez Cascos A. **Rev Esp Cardiol** 1986 Sep–Oct; 39(5):394–5 **(Spa)**

PHYSIOPATHOLOGY

P3 abnormality in fragile X syndrome. St. Clair DM, et al. **Biol Psychiatry** 1987 Mar;22(3):303–12

Physical and psychologic parameters in children with sex chromosome anomalies: further follow-up from the Winnipeg Cytogenetic Study of 14,069 newborn infants. Evans JA, et al. **Birth Defects** 1986;22(3):183–207

Growth, psychologic characteristics, and sleep-wakefulness cycle of children with sex chromosomal abnormalities. Higurashi M, et al. **Birth Defects** 1986;22(3):251–75

Prospective study of development of children with sex chromosome anomalies: New Haven Study IV.

Adolescence. Leonard MF, et al. **Birth Defects** 1986; 22(3):221–49
Edinburgh study of growth and development of children with sex chromosome abnormalities. III. Ratcliffe SG, et al. **Birth Defects** 1986;22(3):73–118
Sex chromosomal aneuploidy: prospective and longitudinal studies. Robinson A, et al. **Birth Defects** 1986;22(3):23–71
Growth and development from early to midadolescence of children with X and Y chromosome aneuploidy: the Toronto Study. Stewart DA, et al. **Birth Defects** 1986; 22(3):119–82
Behavioral development of boys with X chromosome aneuploidy: impact of reactive style on the educational intervention for learning deficits. Walzer S, et al. **Birth Defects** 1986;22(3):1–21
Gross and fine motor development in 47,XXY and 47,XYY males. Salbenblatt JA, et al. **Pediatrics** 1987 Aug; 80(2):240–4

PREVENTION & CONTROL

Preventive screening for fragile X syndrome [editorial] **Lancet** 1986 Nov 22;2(8517):1191–2

PSYCHOLOGY

Speech–language and the fragile X syndrome: initial findings. Wolf–Schein EG, et al. **ASHA** 1987 Jul;29(7):35–8
Summary overview of behavioural development in individuals with neonatally identified X and Y aneuploidy. Netley CT. **Birth Defects** 1986;22(3):293–306
Psychologic study of XYY and XXY men. Theilgaard A. **Birth Defects** 1986;22(3):277–92
Fragile (X) syndrome: a study of the psychological profile in 23 prepubertal patients. Borghgraef M, et al. **Clin Genet** 1987 Sep;32(3):179–86
Neurodevelopmental and psychological aspects in a child with 49XYYYY karyotype. Sirota L, et al. **Clin Genet** 1986 Dec;30(6):471–4
The fragile X syndrome in a large family. II. Psychological investigations. Veenema H, et al. **J Med Genet** 1987 Jan; 24(1):32–8

SEX CHROMOSOMES

Regions of active chromatin conformation in 'inactive' male meiotic sex chromosomes of the mouse. Richler C, et al. **Chromosoma** 1987;95(3):167–70
Sex chromosome–autosome translocations in the leaf–nosed bats, family Phyllostomidae. II. Meiotic analyses of the subfamilies Stenodermatinae and Phyllostominae. Tucker PK, et al. **Cytogenet Cell Genet** 1986;43(1–2):28–37
Sex chromosome–autosome translocations in the leaf–nosed bats, family Phyllostomidae. I. Mitotic analyses of the subfamilies Stenodermatinae and Phyllostominae. Tucker PK. **Cytogenet Cell Genet** 1986;43(1–2):19–27
An evolutionary conserved early replicating segment on the sex chromosomes of man and the great apes. Weber B, et al. **Cytogenet Cell Genet** 1986;43(1–2):72–8
Two highly polymorphic minisatellites from the pseudoautosomal region of the human sex chromosomes. Simmler MC, et al. **EMBO J** 1987 Apr;6(4):963–9
Sex chromosome ratios in human sperm [letter] **Fertil Steril** 1987 Mar;47(3):531–4
Sex chromosome ratios determined by karyotypic analysis in albumin–isolated human sperm. Brandriff BF, et al. **Fertil Steril** 1986 Oct;46(4):678–85
Sperm separation [letter] Shettles LB. **Fertil Steril** 1987 Mar; 47(3):534–6
A sex–linked enzyme in a reptile—association with a recent centric fusion in the common lizard. Goux JM, et al. **Genet Res** 1986 Aug;48(1):21–5
Linkage of the steroid sulfatase gene to the sex–reversed mutation in the mouse. Keitges EA, et al. **Genetics** 1987 Jul;116(3):465–8
The sex–linked black cat fallacy: a textbook case. Miller WJ, et al. **J Hered** 1986 Nov–Dec;77(6):463–4
Cytogenetic findings in 301 sterile and/or infertile men with abnormal spermograms. Coco R, et al. **Medicina (B Aires)** 1986;46(3):303–10

ANALYSIS

Distribution of heterozygous translocations and aneuploid spermatocyte frequency in domestic sheep. Stewart–Scott IA, et al. **J Hered** 1987 Jan–Feb;78(1):37–40
The meiotic chromosomes of Creole cattle from Guadeloupe. Sharma A, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(4):353–7

PHYSIOLOGY

Sexological theory, H–Y antigen, chromosomes, gonads, and cyclicity: two syndromes compared. Lewis VG, et al. **Arch Sex Behav** 1986 Dec;15(6):467–74
Protostrongylus rufescens: a cytogenetic study. Cutillas C, et al. **J Helminthol** 1987 Mar;61(1):72–6
Genetics of sex determination in eukaryotes. Nöthiger R, et al. **Results Probl Cell Differ** 1987;14:271–300 (105 ref.)

ULTRASTRUCTURE

Lack of evidence that the XqYq pairing tips at meiosis in the mouse show hypersensitivity to DNAse I. Separovic ER, et al. **Chromosoma** 1987;95(4):290–4

SEX DETERMINATION

see related
SEX CHROMATIN

Antenatal prediction of sex. Kasik JW, et al. **Acta Obstet Gynecol Scand** 1986;65(6):659–60
Can ultrasonography replace amniocentesis in fetal gender determination during the early second trimester? Reece EA, et al. **Am J Obstet Gynecol** 1987 Mar;156(3):579–81
Genetic control of primary sex determination in mice. Eicher EM, et al. **Annu Rev Genet** 1986;20:327–60 (115 ref.)
Molecular genetic aspects of sex determination in Drosophila. Baker BS, et al. **Bioessays** 1987 Feb;6(2):66–70 (22 ref.)
The Drosophila sex determination gene daughterless has different functions in the germ line versus the soma. Cronmiller C, et al. **Cell** 1987 Feb 13;48(3):479–87
sdc–1: a link between sex determination and dosage compensation in C. elegans. Villeneuve AM, et al. **Cell** 1987 Jan 16;48(1):25–37
Use of a biotinylated DNA probe specific for the human Y chromosome for rapid antenatal sex determination. Boehm TL, et al. **Clin Genet** 1986 Dec;30(6):509–14
Genetic and molecular studies on 46,XX and 45,X males. de la Chapelle A. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:249–55
Sex reversal: deletion mapping the male–determining function of the human Y chromosome. Page DC. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:229–35
A molecular approach to the study of the human Y chromosome and anomalies of sex determination in man. Seboun E, et al. **Cold Spring Harbor Symp Quant Biol** 1986; 51 Pt 1:237–48
Further chromosomal studies on Ellobius lutescens: heteromorphism of chromosome No. 1 is not associated with sex determination. Djalali M, et al. **Experientia** 1986 Dec 1;42(11–12):1281–2
Gain–of–function mutations of fem–3, a sex–determination gene in Caenorhabditis elegans. Barton MK, et al. **Genetics** 1987 Jan;115(1):107–19
Activity of the sex–determining gene tra–2 is modulated to allow spermatogenesis in the C. elegans hermaphrodite. Doniach T. **Genetics** 1986 Sep;114(1):53–76
Sex determination in the nematode C. elegans: analysis of tra–3 suppressors and characterization of fem genes. Hodgkin J. **Genetics** 1986 Sep;114(1):15–52
Linkage of the steroid sulfatase gene to the sex–reversed mutation in the mouse. Keitges EA, et al. **Genetics** 1987 Jul;116(3):465–8
An improved method for detecting Y chromosomal DNA. Stalvey JR, et al. **Hum Genet** 1987 Jul;76(3):240–3
Female heterogamety in the swordtail, Xiphophorus alvarezi Rosen (Pisces, Poeciliidae), with comments on a natural polymorphism affecting sword coloration. Kallman KD, et al. **J Exp Zool** 1987 Jul;243(1):93–102
The sciatic notch/acetabular index as a discriminator of sex in European skeletal remains. MacLaughlin SM, et al. **J Forensic Sci** 1986 Oct;31(4):1380–90
Age and sex determination of subadult skeletons. Sundick RI. **J Forensic Sci** 1977 Jan;22(1):141–4
Prenatal diagnosis and female abortion: a case study in medical law and ethics. Dickens BM. **J Med Ethics** 1986 Sep;12(3):143–4, 150
Detection of histocompatibility–Y antigen: identification of sex of pre–implantation ovine embryos. White KL, et al. **J Reprod Immunol** 1987 Jan;10(1):27–32
Amniotic fluid testosterone and testosterone glucuronide levels in the determination of foetal sex. Perera DM, et al. **J Steroid Biochem** 1987 Feb;26(2):273–7
Sex chromatin screening of female athletes [letter] Bassis LM. **JAMA** 1987 Apr 10;257(14):1896–7
The use and misuse of sex chromatin screening for 'gender identification' of female athletes. de la Chapelle A. **JAMA** 1986 Oct 10;256(14):1920–3
Gender testing in the Olympics [editorial] Simpson JL. **JAMA** 1986 Oct 10;256(14):1938
Sexing of female athletes [editorial] **Lancet** 1987 Sep 19; 2(8560):667–8
Evolution: sex determination in fish [news] Bulmer M. **Nature** 1987 Apr 2–8;326(6112):440–1
Adaptive variation in environmental and genetic sex determination in a fish. Conover DO, et al. **Nature** 1987 Apr 2–8;326(6112):496–8
Preventing feticide [letter] Hulten M, et al. **Nature** 1987 Jan 15–21;325(6101):190
Sex of new embryos known [news] Johnston K. **Nature** 1987 Jun 18–24;327(6123):547
Mapping the limits of the human pseudoautosomal region and a candidate sequence for the male–determining gene. Pritchard CA, et al. **Nature** 1987 Jul 16–22;328(6127):273–5
India: move to stop sex–test abortion [news] Rao R. **Nature** 1986 Nov 20–26;324(6094):202
Separation of the genetic loci for the H–Y antigen and for testis determination on human Y chromosome. Simpson E, et al. **Nature** 1987 Apr 30–May 6;326(6116):876–8
Isolation of a sequence which maps close to the human sex determining gene. Pritchard CA, et al. **Nucleic Acids Res** 1987 Aug 11;15(15):6159–69
Genetics of sex determination in eukaryotes. Nöthiger R, et al. **Results Probl Cell Differ** 1987;14:271–300 (105 ref.)
Maleness pinpointed on Y chromosome [news] [published erratum appears in Science 1987 Jan 2;235(4784):16] Kolata G. **Science** 1986 Nov 28;234(4780):1076–7
[Biological determination of sex. Significance of the genes on the X and Y chromosomes] Nielsen KB. **Ugeskr Laeger** 1987 Mar 23;149(13):833–6 (Eng. Abstr.) **(Dan)**
[Sexual ambiguities: definition, management, classification] Bigozzi U, et al. **J Genet Hum** 1987 May;35(2–3):83–9 (Eng. Abstr.) **(Fre)**
[Sexual ambiguity and a non–fluorescent Y chromosome] Fryns JP, et al. **J Genet Hum** 1987 May;35(2–3):173–7 (Eng. Abstr.) **(Fre)**
[An XX male newborn infant. A genetic and endocrinologic study] Nivelon JL, et al. **J Genet Hum** 1987 May; 35(2–3):165–72 (Eng. Abstr.) **(Fre)**
[XX male syndrome: a study model of the genetic determination of the male sex] Seboun E, et al. **Presse Med** 1986 Sep 13;15(29):1355–9 (Eng. Abstr.) **(Fre)**
[Comparison of variability in wall thickness for sex determination of cremated cadavers] Schutkowski H, et al. **Anthropol Anz** 1987 Mar;45(1):43–7 (Eng. Abstr.) **(Ger)**
[Sex determination of cadaver material by the detection of specific nucleotide sequences of the Y chromosome following DNA cleavage] Nowak R, et al. **Z Rechtsmed** 1986;97(1):21–8 (Eng. Abstr.) **(Ger)**
[Discriminant analysis of the sexual differences in the skeletons in Shiba dogs (Canis familiaris)] Onodera S, et al. **Kaibogaku Zasshi** 1987 Feb;62(1):19–32 (Eng. Abstr.) **(Jpn)**
[Sex determination of the human dry skull by the analysis of roentgen cephalogram with computer] Funayama M, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):40–4 (Eng. Abstr.) **(Jpn)**
[Has a women the legal right to be informed about the sex of the fetus?] Voll R. **Tidsskr Nor Laegeforen** 1987 May 10;107(13):1137–8 (Eng. Abstr.) **(Nor)**

VETERINARY

Comparative efficiency and accuracy of surgical and cytogenetic sexing in psittacines. Prus SE, et al. **Avian Dis** 1987 Apr–Jun;31(2):420–4

SEX DEVIATIONS see **PARAPHILIAS**

SEX DIFFERENCES see **SEX CHARACTERISTICS**

SEX DIFFERENTIATION

Variants of sexual differentiation in relation to sex chromosomal aberrations. Bergada C, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:183–7 (10 ref.)
Sin, sickness, or status? Homosexual gender identity and psychoneuroendocrinology. Money J. **Am Psychol** 1987 Apr;42(4):384–99
A two–step model for sexual differentiation. Balthazart J, et al. **Ann NY Acad Sci** 1986;474:308–24
Sex steroids and afferent input: their roles in brain sexual differentiation. Beyer C, et al. **Annu Rev Physiol** 1987; 49:349–64 (77 ref.)
A molecular analysis of transformer, a gene in Drosophila melanogaster that controls female sexual differentiation. McKeown M, et al. **Cell** 1987 Feb 13;48(3):489–99
Influence of sexual differentiation on striatal and limbic catecholamines. Leret ML, et al. **Comp Biochem Physiol [C]** 1987;86(2):299–303
Data suggesting that milk of early lactation period might be involved in sexual differentiation of rat brain. Kacsóh B, et al. **Endocrinol Exp (Bratisl)** 1986 Aug;20(2–3):155–66
Sexual differentiation of the brain: a model for drug–induced alterations of the reproductive system. Gorski RA. **Environ Health Perspect** 1986 Dec;70:163–75
Sexual differentiation of the human midtrimester brain. Abramovich DR, et al. **Eur J Obstet Gynecol Reprod Biol** 1987 May;25(1):7–14
The special case of hormonal imprinting, the neonatal influence of sex. Döhler KD. **Experientia [Suppl]** 1987; 53:103–23 (116 ref.)
Cytoplasmic DNA in differentiation and development. David IB. **J Anim Sci** 1968;27 Suppl 1:61–76
The differentiation of mouse gonads in vitro: a light and electron microscopical study. Mackay S, et al. **J Embryol Exp Morphol** 1986 Sep;97:189–99
Probing the mysteries of maleness. Saenger P, et al. **J Pediatr** 1986 Nov;109(5):831–4 (43 ref.)
The road to diploid androgenesis (the Japan Society of Human Genetics award lecture). Kajii T. **Jinrui Idengaku Zasshi** 1986 Jun;31(2):61–71 (34 ref.)
Aromatization of testicular androgens in physiological concentrations does not defeminize sexual brain functions. Döhler KD, et al. **Monogr Neural Sci** 1986;12:28–35
Hormone–dependent brain development and preventive medicine. Dörner G. **Monogr Neural Sci** 1986;12:17–27
Adrenergic influences on sexual differentiation of the rat brain. Jarzab B, et al. **Monogr Neural Sci** 1986;12:191–6
The influence of sex–specific brain differentiation on lipid metabolism in rats. Kahl PE, et al. **Monogr Neural Sci** 1986; 12:161–6
Androgen metabolism in the brain: role in sexual differentiation and in the control of gonadotropin secretion. Negri–Cesi P, et al. **Monogr Neural Sci** 1986;12:7–16 (41 ref.)
Differentiation in male ferrets of a sexually dimorphic nucleus

of the preoptic/anterior hypothalamic area requires prenatal estrogen. Tobet SA, et al. **Neuroendocrinology** 1986;44(3):299–308

Prenatal stress eliminates differential maternal attention to male offspring in Norway rats. Power KL, et al. **Physiol Behav** 1986;38(5):667–71

Testicular hormones during the first few hours after birth augment the tendency of adult male rats to mount receptive females. Roffi J, et al. **Physiol Behav** 1987;39(5):625–8

Hormonal control of sexual development. George FW, et al. **Vitam Horm** 1986;43:145–96 (213 ref.)

[An XX male newborn infant. A genetic and endocrinologic study] Nivelon JL, et al. **J Genet Hum** 1987 May; 35(2–3):165–72 (Eng. Abstr.) **(Fre)**

[Discriminant analysis of the sexual differences in the skeletons in Shiba dogs (Canis familiaris)] Onodera S, et al. **Kaibogaku Zasshi** 1987 Feb;62(1):19–32 (Eng. Abstr.) **(Jpn)**

[Differentiation of sexuality in Chlamydomonas] Matsuda Y, et al. **Seikagaku** 1986 Sep;58(9):1119–38 (85 ref.) **(Jpn)**

DRUG EFFECTS

Neonatal testosterone propionate treatment in the female gerbil: morphological and behavioral effects. Raible LH, et al. **Behav Neurosci** 1987 Apr;101(2):215–8

Prenatal androgen exposure, preoptic area and reproductive functions in the female rat. Ito S, et al. **Brain Dev** 1986; 8(4):463–8

Effect of an inhibitor of aromatization, 1,4,6 androstatriene–3,17–dione (ATD) on LH release and steroid binding in hypothalamus of adult female rats. Slama A, et al. **Exp Brain Res** 1986;64(3):407–10

Steroid hormones reverse sex in turtles. Gutzke WH, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):368–72

Role of androgens in the establishment and regulation of behavioral sex differences in mammals. Goy RW. **J Anim Sci** 1966;25 Suppl:21–35

Early exposure to delta 9–tetrahydrocannabinol influences neuroendocrine and reproductive functions in female rats. Kumar AM, et al. **Neuroendocrinology** 1986;44(2):260–4

[Growth in broiler chickens after the regulation of sex differentiation using tamoxifen] Juráni M, et al. **Vet Med (Praha)** 1987 Apr;32(4):247–56 (Eng. Abstr.) **(Slo)**

SEX DIFFERENTIATION DISORDERS

see related
TRANSSEXUALISM

Intersexuality: definitions, diagnosis, and dilemmas. Grace HJ. **Arch Androl** 1986;17(2):129–31

[12th meeting of the European Club of Genetic Counseling. Montecatini (Italy), 2–5 October 1985. Sexual ambiguities] **J Genet Hum** 1987 May;35(2–3):81–199 **(Fre)**

[Sexual ambiguities: definition, management, classification] Bigozzi U, et al. **J Genet Hum** 1987 May;35(2–3):83–9 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Prenatal diethylstilbestrol exposure: behavioral consequences in humans. Meyer–Bahlburg HF, et al. **Monogr Neural Sci** 1986;12:90–5

Influence of prenatal exposure to cimetidine and alcohol on selected morphological parameters of sexual differentiation: a preliminary report. McGivern RF. **Neurotoxicol Teratol** 1987 Jan–Feb;9(1):23–6

COMPLICATIONS

Abnormal sexual differentiation and neoplasia. Verp MS, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):191–218 (222 ref.)

Neoplastic potential in patients with disorders of sexual differentiation. Beheshti M, et al. **Urology** 1987 Apr; 29(4):404–7

DIAGNOSIS

The role of testosterone measurement in the investigation of androgen disorders. Ismail AA, et al. **Ann Clin Biochem** 1986 Mar;23 (Pt 2):113–34 (213 ref.)

Diagnostic applications of H–Y serology: H–Y negative phenotype in cells from 45,X/46,XY fetus with testes. Lieber E, et al. **Clin Genet** 1986 Nov;30(5):366–73

Diagnostic approach to the newborn with ambiguous genitalia. Pagon RA. **Pediatr Clin North Am** 1987 Aug; 34(4):1019–31 (24 ref.)

[Diagnostic and therapeutic management of sexual ambiguity] Bourguignon JP, et al. **Acta Urol Belg** 1986;54(3):328–38 (Eng. Abstr.) **(Fre)**

[Sexual ambiguity. The Lyons experience with 304 cases from 1964 to March 1985] François R. **Rev Fr Gynecol Obstet** 1986 Sep 20;81(9):445–50 **(Fre)**

DRUG THERAPY

[Correction of disorders of somatosexual development] Gurskii AI, et al. **Vrach Delo** 1986 Nov;(11):43–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Characterization of the testicular abnormality in 5 alpha–reductase deficiency. Johnson L, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1091–9

ETIOLOGY

The intersex baby. Lilford RJ, et al. **Br J Hosp Med** 1987 Jan;37(1):28, 30–1, 34 (28 ref.)

Prenatal stress feminizes adult male saccharin preference and maze learning: antagonism by propranolol. McGivern RF, et al. **Monogr Neural Sci** 1986;12:172–8

FAMILIAL & GENETIC

Androgen levels and androgenization in sex–reversed (XXSxr pseudomale) mouse: absence of initial segment of epididymis is independent of androgens. Le Barr DK, et al. **Arch Androl** 1986;17(3):195–205

Complete and incomplete Drash syndrome: a clinicopathologic study of five cases of a dysontogenetic–neoplastic complex. Manivel JC, et al. **Hum Pathol** 1987 Jan;18(1):80–9

[Cytogenetic study of 140 patients with changes in sexual features] Palka G, et al. **Minerva Med** 1987 Jun 30; 78(12):855–9 (Eng. Abstr.) **(Ita)**

METABOLISM

Genital fibroblasts from normal individuals and patients with androgen insensitivity: demonstration of reduced or absent levels of a specific protein (Mr approximately 41K, pI approximately 6) in receptor negative cells. Gyorki S, et al. **J Steroid Biochem** 1987 Jan;26(1):7–14

PATHOLOGY

[Characteristics of the morphology and mitotic condensation of human Y chromosomes with structural rearrangements] Kovaleva NV, et al. **Tsitologiia** 1986 Dec;28(12):1322–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Disorders of androgen action. Wilson JD. **Clin Res** 1987 Jan; 35(1):1–12 (80 ref.)

Reversal of the LH response to oestrogen administration after orchidectomy in a male subject with the androgen insensitivity syndrome. Gooren LJ. **Horm Metab Res** 1987 Mar;19(3):138

[Sexual ambiguity. Physiology and physiopathology of sexual differentiation] Verloes A. **Acta Urol Belg** 1986; 54(3):314–27 (Eng. Abstr.) **(Fre)**

[Significance of hormones for sex specific brain differentiation and teratopsychophysiogenesis] Hinz G, et al. **Z Psychol** 1986;194(3):293–309 (Eng. Abstr.) **(Ger)**

[Functional indices of the thyroid and testes in disorders of somatosexual development] Gurskii AI. **Vrach Delo** 1986 Dec;(12):61–3 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Tyrosine prevents the diminished male copulatory behavior in prenatally stressed male rats. Ohkawa T, et al. **Monogr Neural Sci** 1986;12:167–71

[Pediatric gynecology as prevention] Mall–Haefeli M. **Fortschr Med** 1986 Sep 11;104(34):629–32, 640 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[Psychosocial consequences of developmental disorders of the genitalia] Ladee–Levy JV, et al. **Ned Tijdschr Geneeskd** 1986 Aug 30;130(35):1556–9 (Eng. Abstr.) **(Dut)**

SURGERY

Neonatal genital reconstruction. Sharp RJ, et al. **J Pediatr Surg** 1987 Feb;22(2):168–71

[Surgical correction of sexual ambiguity in children] Hennebert PN, et al. **Acta Urol Belg** 1986;54(3):339–47 (Eng. Abstr.) **(Fre)**

VETERINARY

Aberrant sexual development in the horse [letter] Leadon DP. **Vet Rec** 1987 Apr 4;120(14):348

SEX DIMORPHISM see **SEX CHARACTERISTICS**

SEX DISORDERS

Adolescent sexology and ephebiatric sexual medicine. Money J. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:241–6 (12 ref.)

A simple and effective technique for increasing pregnancy rates in couples with retrograde ejaculation. Urry RL, et al. **Fertil Steril** 1986 Dec;46(6):1124–7

Abnormalities of ejaculation. Murphy JB, et al. **Urol Clin North Am** 1987 Aug;14(3):583–96 (132 ref.)

CHEMICALLY INDUCED

Cyproheptadine and drug–induced anorgasmia [letter] Jeffries JJ, et al. **Can J Psychiatry** 1987 Feb;32(1):79

The effect of long–term administration of digoxin on plasma androgens and sexual dysfunction. Neri A, et al. **J Sex Marital Ther** 1987 Spring;13(1):58–63

Drugs that cause sexual dysfunction. **Med Lett Drugs Ther** 1987 Jul 17;29(744):65–70

Sexual function in lithium–treated manic–depressive patients. Kristensen E, et al. **Pharmacopsychiatry** 1987 Jul; 20(4):165–7

COMPLICATIONS

Vulvodynia: a syndrome of unexplained vulvar pain, psychologic disability and sexual dysfunction. Lynch PJ. **J Reprod Med** 1986 Sep;31(9):773–80

Sexual relationships of patients with kleptomania. Turnbull JM. **South Med J** 1987 Aug;80(8):995–8

DIAGNOSIS

The effect of taking a sexual history on the notation of sexually related diagnoses. Driscoll CE, et al. **Fam Med** 1986 Sep–Oct;18(5):293–5

DRUG THERAPY

Does viloxazine really improve sex drive? A double–blind controlled study. De Leo D, et al. **Br J Psychiatry** 1986 May;148:597–9

Increasing circulating androgens with oral testosterone undecanoate in eugonadal men. Davidson DW, et al. **J Steroid Biochem** 1987 Jun;26(6):713–5

[Mepartricin in the treatment of prostatic hypertrophy and correlated sexual disorders] Buffa G, et al. **Minerva Urol Nefrol** 1987 Apr–Jun;39(2):121–4 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Sexual function in women after proctocolectomy. Metcalf AM, et al. **Ann Surg** 1986 Dec;204(6):624–7

Myocardial infarction and its influence on male sexual function. Dhabuwala CB, et al. **Arch Sex Behav** 1986 Dec; 15(6):499–504

Hyperprolactinaemia and sexual function in the male. Bouloux PM, et al. **Br J Hosp Med** 1987 Jun;37(6):503–10

Management of uremic patients with sexual difficulties. Bommer J. **Contrib Nephrol** 1986;50:139–52

Mild androgen insensitivity presenting with sexual dysfunction. Cundy TF, et al. **Fertil Steril** 1986 Oct; 46(4):721–3

Sexual and bladder dysfunctions following surgery for rectal carcinoma. Fegız G, et al. **Ital J Surg Sci** 1986;16(2):103–9

4 million female hospital workers face reproductive health hazards. Kooker BM. **Occup Health Saf** 1987 Apr; 56(4):61–4

Apareunia as a complication of osteogenesis imperfecta. A case report. Rodriguez RP, et al. **Orthopedics** 1986 Sep; 9(9):1233–4

Sexual and reproductive problems of paraplegic men. Brindley GS. **Oxf Rev Reprod Biol** 1986;8:214–22 (28 ref.)

Androgenic status and sexual function in males with rheumatoid arthritis and ankylosing spondylitis. Gordon D, et al. **Q J Med** 1986 Jul;60(231):671–9

Erectile dysfunction in men with diabetes mellitus. Maatman TJ, et al. **Urology** 1987 Jun;29(6):589–92

[Stoma and sex: sexual problems following proctocolectomy or rectum extirpation] Hengeveld MW. **Ned Tijdschr Geneeskd** 1987 Jul 18;131(29):1254–5 **(Dut)**

[Value of evoked sacral potentials in studying bladder sphincter disorders in peripheral neuropathies and central nervous system diseases. A study of 110 cases] Amarenco G, et al. **Ann Med Interne (Paris)** 1986;137(4):331–7 (Eng. Abstr.) **(Fre)**

[Partial Klüver–Bucy syndrome as a result of probable herpes simplex encephalitis] Trejo JM, et al. **Arch Neurobiol (Madr)** 1987 Jan–Feb;50(1):33–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Sexuality and menopause] Chatel A. **Union Med Can** 1987 Mar;116(3):171–3, 193 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Fine structure of spermatozoa retrieved from retrograde ejaculates. Vijayakumar R, et al. **Arch Androl** 1986; 17(1):25–33

PHYSIOPATHOLOGY

Evoked sacral potentials in subjects with true premature ejaculation. Colpi GM, et al. **Andrologia** 1986 Nov–Dec; 18(6):583–6

[The diagnostic value of electromyographic studies and evoked potentials in urogenital dysfunction] Goossens M, et al. **Acta Belg Med Phys** 1987 Jan–Mar;10(1):7–18 **(Dut)**

PSYCHOLOGY

Interactional therapy for the treatment of refractory vaginismus. A report of two cases. Elkins TE, et al. **J Reprod Med** 1986 Aug;31(8):721–4

[Personality structure and anxiety levels in functional sexual disorders in men] Buzek B, et al. **Cesk Psychiatr** 1986 Aug; 82(3–4):159–66 (Eng. Abstr.) **(Cze)**

REHABILITATION

Sexual rehabilitation and male radical cystectomy. Schover LR, et al. **J Urol** 1986 Nov;136(5):1015–7

THERAPY

Experiences from a marital-sex therapy clinic in Nairobi. Ndetei DM, et al. **Acta Psychiatr Scand** 1986 Nov; 74(5):479–84

Diadynamic currents in the therapy of sexual dysfunctions. Tabarka K, et al. **Acta Univ Palacki Olomuc Fac Med** 1986; 114:369–74

Sex therapy: current perspectives [editorial] Hawton K. **Br J Hosp Med** 1987 Jan;37(1):11

[Therapeutic group counseling for women with sex disorders] Saint-Jean H, et al. **Bol Of Sanit Panam** 1987 Mar; 102(3):257–62 (Eng. Abstr.) **(Spa)**

SEX EDUCATION

Vaginal erotic sensitivity by sexological examination. Hoch Z. **Acta Obstet Gynecol Scand** 1986;65(7):767–73

The sexual attitudes and behavior of private and public school students: a comparative study. Bernache-Baker B. **Adolescence** 1987 Summer;22(86):259–69

Parent-child communication about sex and young adolescents' sexual knowledge and attitudes. Fisher TD. **Adolescence** 1986 Fall;21(83):517–27

Family life education in Chicago schools: a study of programs implemented by nonschool agencies. Reis JS, et al. **Adolescence** 1986 Winter;21(84):981–90

Family life education needs of mentally disabled adolescents. Schultz JB, et al. **Adolescence** 1987 Spring;22(85):221–30

Parental preferences regarding sex education topics for sixth graders. Silverstein CD, et al. **Adolescence** 1986 Winter; 21(84):971–80

Sexual abuse prevention: a rural interdisciplinary effort. Johnson BB. **Child Welfare** 1987 Mar-Apr;66(2):165–73

Communication and special health care needs of a profoundly hearing impaired adolescent. Chacko MR, et al. **Clin Pediatr (Phila)** 1987 Aug;26(8):395–7

Teaching sexuality--a family life-cycle approach [letter] Shore WB. **Fam Med** 1987 Jul-Aug;19(4):311–2

Sex education and sex-related behavior [editorial] **Fam Plann Perspect** 1986 Jul-Aug;18(4):150, 192

Sex education in Swedish schools: the facts and the fiction. Boëthius CG. **Fam Plann Perspect** 1985 Nov-Dec; 17(6):276–9

The effects of sex education on adolescent behavior [published erratum appears in Fam Plann Perspect 1986 Sep-Oct;18(5):242] Dawson DA. **Fam Plann Perspect** 1986 Jul-Aug;18(4):162–70

The impact of sex education on sexual activity, contraceptive use and premarital pregnancy among American teenagers. Marsiglio W, et al. **Fam Plann Perspect** 1986 Jul-Aug; 18(4):151–62

Sex education mandates: are they the answer? Muraskin LD. **Fam Plann Perspect** 1986 Jul-Aug;18(4):171–4

Sex education and family planning services for adolescents in foster care. Polit DF, et al. **Fam Plann Perspect** 1987 Jan-Feb;19(1):18–23

Family life education for young teens: an assessment of three interventions. Herz EJ, et al. **Health Educ Q** 1986 Fall; 13(3):201–21

An exploratory study of parent-child communication about sex and the sexual attitudes of early, middle, and late adolescents. Fisher TD. **J Genet Psychol** 1986 Dec; 147(4):543–57

Representations of homosexuality in health science textbooks. Newton DE. **J Homosex** 1979 Spring;4(3):247–54

Saying "no" to sexual involvement: a skill teens can be helped to use. Howard M. **J Med Assoc Ga** 1987 Mar;76(3):183–5

You can say no. Teenagers--don't be pressured into sex. Marsh S. **J Med Assoc Ga** 1987 Mar;76(3):173–5

Menstruation problems in Nigerian students and sex education. Osujih M. **J R Soc Health** 1986 Dec; 106(6):219–21

Sex education--a path with pitfalls [editorial] Kilgore DG Jr. **J SC Med Assoc** 1987 Apr;83(4):226–8

Planners need to apply Eberst's Cube Model to sexuality education [letter] Flaherty-Zonis C. **J Sch Health** 1987 Aug;57(6):215–6

Reducing adolescent pregnancy through school and community-based education. Vincent ML, et al. **JAMA** 1987 Jun 26;257(24):3382–6

Sex education: a physician's responsibility? Knapp JF. **Minn Med** 1986 Oct;69(10):559

Developmental approach to preventing the sexual abuse of children. Jenny C, et al. **Pediatrics** 1986 Dec;78(6):1034–8

Sex and pediatricians [letter] Shenker IR, et al. **Pediatrics** 1978 Jan;61(1):160–1

A plan to prevent adolescent pregnancy and reduce infant mortality. Apte DV. **Public Health Rep** 1987 Jan-Feb; 102(1):80–6

An approach to the problem of teenage pregnancy. Macdonald DI. **Public Health Rep** 1987 Jul-Aug; 102(4):377–85

Sex education and rehabilitation with schizophrenic male outpatients. Lukoff D, et al. **Schizophr Bull** 1986; 12(4):669–77

Adolescence in perspective: a lifespan approach to sexuality education. Brick P. **Semin Adolesc Med** 1985 Jun; 1(2):139–44

Education to prevent child sexual abuse. View of a sex educator. Selverstone R. **Semin Adolesc Med** 1987 Mar; 3(1):23–8

Sex education and the adolescent. Perspectives from a sex educator. Selverstone R. **Semin Adolesc Med** 1985 Jun; 1(2):145–51

Sex education and family planning services for young adults: alternative urban strategies in Mexico. Townsend JW, et al. **Stud Fam Plann** 1987 Mar-Apr;18(2):103–8

[Sex education of schoolchildren in the 8th grade] Capka K. **Cesk Pediatr** 1986 Aug;41(8):493–4 **(Cze)**

[Training students in high schools for marriage and parenting] Novák T. **Cesk Pediatr** 1987 Feb;42(2):117–8 **(Cze)**

[Couple therapy in organic erectile dysfunction] Fredberg U. **Ugeskr Laeger** 1986 Nov 3;148(45):2921–2 (Eng. Abstr.) **(Dan)**

[School pupils' knowledge of contraception. A study at the conclusion of compulsory education] Rasmussen KL, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1085–7 (Eng. Abstr.) **(Dan)**

[Sex knowledge among young people] Wermuth L, et al. **Ugeskr Laeger** 1987 Apr 13;149(16):1083–5 (Eng. Abstr.) **(Dan)**

[Sex education in childhood and adolescence] François R. **Rev Fr Gynecol Obstet** 1986 Sep 20;81(9):427–8 **(Fre)**

[Sex education--not only for female students of the Görlitz Technical School. Observations on a paper by Dr. J. Richter] Borrmann R. **Arztl Jugendkd** 1986 Oct; 77(5):334–41 (Eng. Abstr.) **(Ger)**

[Results of evaluating a program for the sex education of educable mentally handicapped patients] Döbler U, et al. **Z Gesamte Hyg** 1986 Jul;32(7):429–31 (Eng. Abstr.) **(Ger)**

[The physician and sex education] Reis K. **Z Gesamte Hyg** 1987 Mar;33(3):159–60 (Eng. Abstr.) **(Ger)**

[Comparative study of university students with regard to basic sex information. General analysis] de Gabaldón MP. **Acta Cient Venez** 1986;37(3):327–31 (Eng. Abstr.) **(Spa)**

[Sex education and education in sexually transmitted diseases in pre-university students in Uruguay] Rostkier JM. **Bol Of Sanit Panam** 1987 Jan;102(1):74–80 (Eng. Abstr.) **(Spa)**

SEX FACTOR, BACTERIAL see **F FACTOR**

SEX FACTOR F see **F FACTOR**

SEX FACTORS

Hepatocellular carcinoma in Chinese males and females. Possible causes for the male predominance. Lai CL, et al. **Cancer** 1987 Sep 1;60(5):1107–10

Female-male differences in patients with primary lung cancer. McDuffie HH, et al. **Cancer** 1987 May 15; 59(10):1825–30

Gender, cardiology, and optimal medical care [editorial] Douglas PS. **Circulation** 1986 Nov;74(5):917–9

The effect of carried loads on the walking patterns of men and women. Martin PE, et al. **Ergonomics** 1986 Oct; 29(10):1191–202

Age and gender as factors in facial recognition and identification. Mason SE. **Exp Aging Res** 1986 Autumn; 12(3):151–4

Effects of gender and race on prognosis after myocardial infarction: adverse prognosis for women, particularly black women. Tofler GH, et al. **J Am Coll Cardiol** 1987 Mar; 9(3):473–82

Causes of the sex differential in longevity [letter] Waldron I. **J Am Geriatr Soc** 1987 Apr;35(4):365–6

Men and women optometrists: a profile of practice characteristics five and ten years after graduation. Ryan JB, et al. **J Am Optom Assoc** 1986 Oct;57(10):732–8

Gender differences in predictors of performance in medical training. Calkins EV, et al. **J Med Educ** 1987 Aug; 62(8):682–5

Relationship of residents' emotional problems, coping behaviors, and gender. Young EH. **J Med Educ** 1987 Aug; 62(8):642–50

Endothelium-dependent gender differences in the response of the rat aorta. Maddox YT, et al. **J Pharmacol Exp Ther** 1987 Feb;240(2):392–5

Sex-related differences in the effects of aspirin on the interaction of platelets with subendothelium. Escolar G, et al. **Thromb Res** 1986 Dec 15;44(6):837–47

[Self concept, sex and marital status] Tamayo A. **Acta Psiquiatr Psicol Am Lat** 1986 Sep;32(3):207–14 (Eng. Abstr.) **(Spa)**

SEX HORMONE-BINDING GLOBULIN

Amino acid sequence of the sex steroid binding protein of human blood plasma. Walsh KA, et al. **Biochemistry** 1986 Nov 18;25(23):7584–90

ANALYSIS

Serum testosterone and sex hormone binding globulin levels in women with androgenetic alopecia. Georgala G, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):532–4

Sex-steroid-binding plasma protein (SBP), testosterone, oestradiol and dehydroepiandrosterone (DHEA) in prepuberty and puberty. Maruyama Y, et al. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):60–7

Testosterone, SHBG and albumin in patients with ovarian carcinoma. Mählck CG, et al. **Acta Obstet Gynecol Scand** 1986;65(6):533–8

Hyperemesis gravidarum in relation to estradiol levels, pregnancy outcome, and other maternal factors: a seroepidemiologic study. Depue RH, et al. **Am J Obstet Gynecol** 1987 May;156(5):1137–41

Serum concentrations of sex hormone binding globulin in lung cancer [letter] **Br Med J [Clin Res]** 1986 Nov 8; 293(6556):1238–9

Serum concentrations of sex hormone binding globulin in lung cancer. Corbishley TP, et al. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):791–2

Long-term adjuvant therapy with tamoxifen: effects on sex hormone binding globulin and antithrombin III. Jordan VC, et al. **Cancer Res** 1987 Aug 15;47(16):4517–9

Measurement of sex-hormone-binding globulin: immunoradiometric vs binding capacity techniques. Hassan M, et al. **Clin Chem** 1987 Jul;33(7):1253

A method for measuring testosterone-estradiol-binding globulin--new analysis of experimental data and comparison with two commercially available kits. Lecureuil N, et al. **Clin Chim Acta** 1987 Feb 15; 162(3):277–89

Sex hormone binding globulin in women with anorexia nervosa. Estour B, et al. **Clin Endocrinol (Oxf)** 1986 May; 24(5):571–6

Dosage-related effects of danazol on sex hormone binding globulin and free and total androgen levels. Forbes KL, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):597–605

The effect of age, weight-related parameters and hormonal contraceptives on andrological assays. Trienekens PH, et al. **Contraception** 1986 May;33(5):503–17

Changes in thyroid function tests and sex hormone binding globulin associated with treatment by gonadotropin. Ben-Rafael Z, et al. **Fertil Steril** 1987 Aug;48(2):318–20

Changes in serum sex hormone-binding globulin, free estradiol, and testosterone during gonadotropin treatment. Ben-Rafael Z, et al. **Fertil Steril** 1986 Oct;46(4):593–8

Time-related changes in the plasma concentrations of prolactin, gonadotropins, sex hormone-binding globulin, and certain steroid hormones in female runners after a long-distance race. Mathur RS, et al. **Fertil Steril** 1986 Dec;46(6):1067–70

Free estradiol, free testosterone, and sex hormone-binding globulin in perimenopausal women. Longcope C, et al. **J Clin Endocrinol Metab** 1987 Mar;64(3):513–8

Relationships of plasma estradiol, testosterone, and sex hormone-binding globulin with lipoproteins, apolipoproteins, and high density lipoprotein subfractions in men. Stefanick ML, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):723–9

Adrenal androgens, sex-hormone binding globulin and bone density in osteoporotic menopausal women: is there a relationship? Wild RA, et al. **Maturitas** 1987 Apr;9(1):55–61

[Relation between hormone dependence and metastasis in breast cancer--SHBG assay in the study of breast cancer metastases] Murayama Y. **Nippon Gan Chiryo Gakkai Shi** 1987 Feb 20;22(1):7–9 (Eng. Abstr.) **(Jpn)**

[Serum levels of prolactin, estradiol, testosterone and sex hormone-binding globulin in women with breast cancer treated with cytostatics and anti-estrogens] Grodecka-Gazdecka S, et al. **Ginekol Pol** 1986 Dec; 57(12):778–83 (Eng. Abstr.) **(Pol)**

[Changes in the levels of sex hormone-binding globulin, estradiol and testosterone in the serum of women with breast cancer during various types of hormone therapy] Chwalisz K, et al. **Nowotwory** 1987 Jan-Mar;37(1):16–24 **(Pol)**

[Plasma level of testosterone-estradiol-binding globulin in women with Itsenko-Cushing disease] Manusharova RA. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):11–3 (Eng. Abstr.) **(Rus)**

BLOOD

The interaction between sex hormone binding globulin and levonorgestrel released from Norplant, an implantable contraceptive. Affandi B, et al. **Contraception** 1987 Feb; 35(2):135–45

Androgenic steroid effects on serum hormones and on maximal force development in strength athletes. Alén M, et al. **J Sports Med Phys Fitness** 1987 Mar;27(1):38–46

CEREBROSPINAL FLUID

Sex-hormone-binding globulin and albumin concentrations in human cerebrospinal fluid. Södergård R, et al. **J Steroid Biochem** 1987 May;26(5):557–60

GENETICS

A cDNA coding for human sex hormone binding globulin. Homology to vitamin K-dependent protein S. Gershagen S, et al. **FEBS Lett** 1987 Aug 10;220(1):129–35

The cDNA-deduced primary structure of human sex hormone-binding globulin and location of its steroid-binding domain. Hammond GL, et al. **FEBS Lett** 1987 May 4;215(1):100–4

Characterization of a cDNA coding for sex steroid-binding protein of human plasma. Que BG, et al. **FEBS Lett** 1987 Jul 27;219(2):405–9

IMMUNOLOGY

Use of a styrene–maleic anhydride copolymer as an adjuvant with testosterone–serum albumin immunogens and its application to increasing ovulation rate in the ewe. Wong MS, et al. **Aust J Biol Sci** 1986;39(1):99–108

ISOLATION & PURIFICATION

Characteristics of a testosterone–estradiol binding globulin (TEBG) in goldfish serum. Pasmanik M, et al. **Biol Reprod** 1986 Nov;35(4):838–45

Subunits of human sex hormone binding globulin. Interindividual variation in size. Gershagen S, et al. **J Biol Chem** 1987 Jun 15;262(17):8430–7

METABOLISM

Observations on the role of GH/IGF–1 and sex hormone binding globulin (SHBG) in the pubertal development of growth hormone deficient (GHD) children. Rudd BT, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:164–9

Divergent effects of two low–dose oral contraceptives on sex hormone–binding globulin and free testosterone. Jung–Hoffmann C, et al. **Am J Obstet Gynecol** 1987 Jan; 156(1):199–203

Plasma sex steroid binding in Chiroptera. Kwiecinski GG, et al. **Biol Reprod** 1987 Apr;36(3):628–35

The effects of low and high dose medroxyprogesterone acetate on sex steroids and sex hormone binding globulin in postmenopausal breast cancer patients. Dowsett M, et al. **Br J Cancer** 1987 Mar;55(3):311–3

Interference of sex–hormone binding globulin in the "Coat–A–Count" testosterone no–extraction radioimmunoassay. Slaats EH, et al. **Clin Chem** 1987 Feb; 33(2 Pt 1):300–2

Total testosterone, free–androgen index, calculated free testosterone, and free testosterone by analog RIA compared in hirsute women and in otherwise–normal women with altered binding of sex–hormone–binding globulin. Wilke TJ, et al. **Clin Chem** 1987 Aug;33(8):1372–5

A comparison of the effects of danazol and gestrinone on testosterone binding to sex hormone binding globulin in vitro and in vivo. Dowsett M, et al. **Clin Endocrinol (Oxf)** 1986 May;24(5):555–63

Sex steroid binding protein from Bufo arenarum: further characterization. Santa–Coloma TA, et al. **Comp Biochem Physiol [A]** 1986;85(3):401–5

Hepatic uptake of sex steroids in men with alcoholic cirrhosis. Guechot J, et al. **Gastroenterology** 1987 Jan;92(1):203–7

Total estradiol, free estradiol, sex hormone–binding globulin, and the fraction of estradiol bound to sex hormone–binding globulin in human follicular fluid. Ben–Rafael Z, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1106–11

Dietary lipids: an additional regulator of plasma levels of sex hormone binding globulin. Reed MJ, et al. **J Clin Endocrinol Metab** 1987 May;64(5):1083–5

Lack of correlation between sex hormone binding globulin and free testosterone in some cases of "idiopathic" hirsutism. Toscano V, et al. **J Endocrinol Invest** 1987 Feb;10(1):83–7

Dimerization of SHBG by gelatin and dithiothreitol. Implications for the measurement of SHBG binding capacity in human serum. Englebienne P, et al. **J Steroid Biochem** 1987 May;26(5):527–34

Contraceptive steroid treatment affects steroid binding proteins and the percentage of free 17 beta–estradiol and testosterone in the cynomolgus monkey (Macaca fascicularis). Koritnik DR, et al. **J Steroid Biochem** 1987 Feb;26(2):227–34

Plasma binding of oestradiol in progesterone–treated rats. Shaw MA, et al. **J Steroid Biochem** 1987 Feb;26(2):297–9

The effects of low–protein diet and testosterone on sex hormone–binding globulin capacity in male rabbits. Longcope C, et al. **Metabolism** 1987 Jul;36(7):703–7

Relative binding of certain steroids of low polarity to human sex hormone–binding globulin: strong binding of 2–methoxyestrone, a steroid lacking the 17 beta–OH group. Philip A, et al. **Steroids** 1986 Jun;47(6):373–9

[Effects of norethindrone on serum levels of sex hormone–binding globulin and ceruloplasmin in women] Song S, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Jan; 7(1):75–8 (Eng. Abstr.) **(Chi)**

[Diagnosis of peripheral thyroid hormone effect using sex hormone–binding globulin (SHBG) and systolic time intervals (STI)] Wakonig P, et al. **Acta Med Austriaca** 1986; 13(1):5–8 (Eng. Abstr.) **(Ger)**

[Circulating free–testosterone and SHBG levels before and after ovarian wedge resection in patients with polycystic ovarian disease] Oikawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Apr; 39(4):689–90 **(Jpn)**

[Interrelation of sex hormone–binding globulin and the androgen–estrogen balance in patients with hypercorticism] Bezverkhaia TP, et al. **Probl Endokrinol (Mosk)** 1986 Sep–Oct;32(5):48–51 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of sex–hormone–binding globulin and free sex steroid hormones in hyperandrogenic anovulation. Ohsawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2081–8

SECRETION

Sex hormone–binding globulin secretion by human hepatocarcinoma cells is increased by both estrogens and androgens. Lee IR, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):825–31

SEX HORMONES

The association of smoking with clinical indicators of altered sex steroids—a study of 50,145 women. Hartz AJ, et al. **Public Health Rep** 1987 May–Jun;102(3):254–9

[Sex hormones and autoimmune diseases] Piura B, et al. **Harefuah** 1987 Feb 15;112(4):192–5 (41 ref.) **(Heb)**

ADMINISTRATION & DOSAGE

Sex steroid implants and psychological disorders of the climacteric [letter] Robinson M. **Lancet** 1987 Mar 21; 1(8534):694–5

Hormone pellet implantation for the menopause and premenstrual syndrome. Studd J, et al. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):229–49 (75 ref.)

ADVERSE EFFECTS

Long–term surveillance of mortality and cancer incidence in women receiving hormone replacement therapy. Hunt K, et al. **Br J Obstet Gynaecol** 1987 Jul;94(7):620–35

Exogenous sex hormone exposure and the risk for VACTERL association. Lammer EJ, et al. **Teratology** 1986 Oct;34(2):165–9

ANALYSIS

Relations between sex hormone levels and sexual behavior in men. Knussmann R, et al. **Arch Sex Behav** 1986 Oct; 15(5):429–45

Relationship of macroscopic appearance of the surface of bovine ovarian follicles concentrations of steroids in follicular fluid, and maturation of oocytes in vitro. Grimes RW, et al. **Biol Reprod** 1986 Oct;35(3):725–32

The influence of the sampling point on testicular steroid concentrations in spermatic venous blood: a physiological approach to evaluate testicular secretion. Andò S, et al. **Horm Res** 1987;27(1):23–9

The clinical, biochemical and hormonal features of breast cysts. Conway W, et al. **Ir Med J** 1987 Jun;80(6):164–6

Relationship between the steroid and prolactin concentration in follicular fluid and the maturation and fertilization of human oocytes. Reinthaller A, et al. **J In Vitro Fert Embryo Transfer** 1987 Aug;4(4):228–31

Correlation of biochemical (receptors, endogenous tissue hormones) and quantitative morphologic (stereologic) findings in normal and hyperplastic human prostates. Bartsch G, et al. **J Urol** 1987 Mar;137(3):559–64

BIOSYNTHESIS

Evaluation of toxicity limit and sex hormone production in response to cythion and BHC in the vitellogenic catfish Clarias batrachus. Singh S, et al. **Environ Res** 1987 Apr; 42(2):482–8

Pluripotent steroidogenesis and ultrastructure in adrenocortical adenomas causing Cushing's syndrome. Valenta LJ, et al. **Horm Res** 1987;25(2):97–104

Cycloheximide inhibition of ovulation, prostaglandin biosynthesis and steroidogenesis in rabbit ovarian follicles. Espey LL. **J Reprod Fertil** 1986 Nov;78(2):679–83

Effect of human chorionic gonadotrophin and indomethacin on ovulation, steroidogenesis and prostaglandin synthesis in preovulatory follicles of PMSG–primed immature rats. Munalulu BM, et al. **J Reprod Fertil** 1987 May;80(1):229–34

Oestrogens inhibit steroid production by dispersed porcine thecal cells. Hunter MG, et al. **Mol Cell Endocrinol** 1987 Apr;50(3):165–70

Fibroblast growth factor as an intraovarian hormone: differential regulation of steroidogenesis by an angiogenic factor. Baird A, et al. **Regul Pept** 1986 Dec 30; 16(3–4):243–50

Effect of vasoactive intestinal polypeptide (VIP) on steroidogenesis in women. Ottesen B, et al. **Regul Pept** 1986 Dec 30;16(3–4):299–304

BLOOD

Peripheral hormone levels in healthy subjects during controlled fasting. Tegelman R, et al. **Acta Endocrinol (Copenh)** 1986 Nov;113(3):457–62

The role of gonadal steroids in feedback regulation of gonadotropin secretion at different stages of primate development. Winter JS, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):257–68

Some aspects of hormonal regulation of the menstrual cycle. A review. Fanchenko ND. **Acta Med Hung** 1986; 43(2):83–91

Treatment of endometrial hyperplasia with cyproterone acetate histological and hormonal aspects. Jasonni VM, et al. **Acta Obstet Gynecol Scand** 1986;65(7):685–7

Plasma steroid hormones in women with epithelial ovarian carcinoma. Mählck CG. **Acta Obstet Gynecol Scand [Suppl]** 1986;137:1–31

Endocrine effects of repeated sauna bathing. Leppäluoto J, et al. **Acta Physiol Scand** 1986 Nov;128(3):467–70

Effects of energy deprivation on sex hormone patterns in healthy menstruating women. Kurzer MS, et al. **Am J Physiol** 1986 Oct;251(4 Pt 1):E483–8

Hormonal changes in sows after induced porcine parvovirus infection in early pregnancy. Meyers PJ, et al. **Am J Vet Res** 1987 Apr;48(4):621–6

Sin, sickness, or status? Homosexual gender identity and psychoneuroendocrinology. Money J. **Am Psychol** 1987 Apr;42(4):384–99

Preovulatory serum gonadotropin levels in hMG stimulated menstrual cycles in pregnant and nonpregnant patients. van Uem JF, et al. **Arch Gynecol** 1987;240(1):49–56

Lack of sex differences in high density lipoproteins in Pima Indians. Studies of obesity, lipase activities, and steroid hormones. Howard BV, et al. **Arteriosclerosis** 1987 May–Jun;7(3):292–300

The effects of low and high dose medroxyprogesterone acetate on sex steroids and sex hormone binding globulin in postmenopausal breast cancer patients. Dowsett M, et al. **Br J Cancer** 1987 Mar;55(3):311–3

Human mammary cancer as a site of sex steroid metabolism. Vermeulen A. **Cancer Surv** 1986;5(3):585–95 (75 ref.)

Hormones, emotional dispositions, and aggressive attributes in young adolescents. Susman EJ, et al. **Child Dev** 1987 Aug;58(4):1114–34

Racial (black–white) comparisons of the relationship of levels of endogenous sex hormones to serum lipoproteins during male adolescence: the Bogalusa Heart Study. Srinivasan SR, et al. **Circulation** 1986 Dec;74(6):1226–34

Plasma sex hormones and ischemic heart disease. Eldrup E, et al. **Clin Biochem** 1987 Apr;20(2):105–12 (87 ref.)

Changes in specialized cognitive function following changes in hormone levels. Gordon HW, et al. **Cortex** 1986 Sep; 22(3):399–415

Comparison of the serum hormone levels and histological findings in pituitary adenomas. Irsy G, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):224–36

Does cyclosporin A influence sex hormone level? Schmidt JB, et al. **Exp Clin Endocrinol** 1986 Dec;88(2):207–11

Neuroendocrine evaluation in catamenial epilepsy. Murri L, et al. **Funct Neurol** 1986 Oct–Dec;1(4):399–403

Testis cytological structure, plasma sex steroids, and gonad cytosol free steroid receptors of heterologous gonadotropin (hCG)–stimulated silver eel, Anguilla anguilla L. Colombo G, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):167–78

Profiles of plasma sex steroids and gonadotropin in coho salmon, Oncorhynchus kisutch, during final maturation. Fitzpatrick MS, et al. **Gen Comp Endocrinol** 1986 Jun; 62(3):437–51

Plasma steroid hormone levels in free–living Wilson's phalaropes, Phalaropus tricolor. Fivizzani AJ, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):137–44

Progesterone receptors in the oviduct of a viviparous snake (Nerodia): correlations with ovarian function and plasma steroid levels. Kleis–San Francisco SK, et al. **Gen Comp Endocrinol** 1986 Aug;63(2):220–9

Variations in plasma corticosterone, estrone, estradiol–17 beta, and progesterone concentrations with forced renesting, molt, and body weight of captive female American kestrels. Rehder NB, et al. **Gen Comp Endocrinol** 1986 Jun;62(3):386–93

Annual cycles of plasma gonadotropins and sex steroids in Japanese common pheasants, Phasianus colchicus versicolor. Sakai H, et al. **Gen Comp Endocrinol** 1986 Aug; 63(2):275–83

Morphological and endocrine correlates of the reproductive cycle of the aplacental viviparous dogfish, Squalus acanthias. Tsang PC, et al. **Gen Comp Endocrinol** 1987 May; 66(2):182–9

A radioimmunoassay study of the plasma levels of sex steroids in the protandrous, sex–reversing fish Rhabdosargus sarba (Sparidae). Yeung WS, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):353–63

The plasma sex steroid profiles in the freshwater, sex–reversing teleost fish, Monopterus albus (Zuiew). Yeung WS, et al. **Gen Comp Endocrinol** 1987 Feb; 65(2):233–42

Effect of oxytetracycline administration on intestinal metabolism of oestrogens and on plasma sex hormones in healthy men. Hämäläinen E, et al. **Gut** 1987 Apr; 28(4):439–45

Behavioral and endocrine correlates of multiple brooding in the semicolonial house sparrow Passer domesticus. II. Females. Hegner RE, et al. **Horm Behav** 1986 Sep; 20(3):313–26

Endocrine events associated with spawning behavior in the sea lamprey (Petromyzon marinus). Linville JE, et al. **Horm Behav** 1987 Mar;21(1):105–17

Hormones and behavior of prepubertal and peripubertal chimpanzees. Nadler RD, et al. **Horm Behav** 1987 Mar; 21(1):118–31

Sex hormones, lipids, lipoprotein cholesterols, and apolipoproteins in normal and obese subjects: atherogenic relationships. Mendoza SG, et al. **Int J Obes** 1986; 10(6):427–41

Plasma lipoprotein profile in relation to sex hormones in premenarcheal athletes. Zonderland ML, et al. **Int J Sports Med** 1986 Oct;7(5):241–5

Marked decline in trabecular bone mineral content in healthy men with age: lack of association with sex steroid levels. Meier DE, et al. **J Am Geriatr Soc** 1987 Mar;35(3):189–97

Dynamics of plasma gonadotropin and sex steroid release in polycystic ovarian disease after pituitary–ovarian

inhibition with an analog of gonadotropin-releasing hormone. Calogero AE, et al. **J Clin Endocrinol Metab** 1987 May;64(5):980–5

Correlation of hormones with lipid and lipoprotein levels during normal pregnancy and postpartum. Desoye G, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):704–12

Hormonal dynamics during luteal-follicular transition. Mais V, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1109–14

Feminizing testicular Leydig cell tumor: hormonal profile before and after unilateral orchidectomy. Mineur P, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):686–91

Behavioral responses of juvenile rats (Rattus norvegicus) to neonates after infusion of maternal blood plasma. Brunelli SA, et al. **J Comp Psychol** 1987 Mar;101(1):47–59

Blood levels of ionized calcium, inorganic phosphorus, 1,25-dihydroxycholecalciferol and gonadal hormones in hens laying hard-shelled or shell-less eggs. Nys Y, et al. **J Endocrinol** 1986 Oct;111(1):151–7

The effect of orally administered melatonin on the seasonality of deer pelage exchange, antler development, LH, FSH, prolactin, testosterone, T3, T4, cortisol and alkaline phosphatase. Bubenik GA, et al. **J Pineal Res** 1986; 3(4):331–49

Hormonal changes around oestrus of farmed fallow deer, Dama dama. Asher GW, et al. **J Reprod Fertil** 1986 Nov; 78(2):487–96

Sex hormone status in women suffering from rheumatoid arthritis. Cutolo M, et al. **J Rheumatol** 1986 Dec; 13(6):1019–23

Klinefelter's syndrome: hormone metabolism in hypogonadal males with systemic lupus erythematosus. Lahita RG, et al. **J Rheumatol** 1987 Jun;14 Suppl 13:154–7

Effect of a low-fat diet on hormone levels in women with cystic breast disease [letter] Smith CJ. **JNCI** 1987 Sep; 79(3):607

Reproductive hormone responses to resistance exercise. Cumming DC, et al. **Med Sci Sports Exerc** 1987 Jun; 19(3):234–8

Effects of a cyproterone-containing oral contraceptive on hormonal levels in polycystic ovarian disease. Calaf-Alsina J, et al. **Obstet Gynecol** 1987 Feb;69(2):255–8

Endocrine, psychological and genital response to sexual arousal in men. Rowland DL, et al. **Psychoneuroendocrinology** 1987;12(2):149–58

[Hormone findings in women with gonadal dysgenesis] Kobilková J, et al. **Cesk Gynekol** 1987 Mar;52(2):110–5 (Eng. Abstr.) **(Cze)**

[Endocrine parameters of the menstrual cycle in a Cameroon woman] Manguelle-Dicoum B, Yong MA. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):451–7 (Eng. Abstr.) **(Fre)**

[Therapeutic results with tamoxifen in oligospermia. II. Hormonal analysis and semen parameters] Schieferstein G, et al. **Andrologia** 1987 May-Jun;19(3):333–41 (Eng. Abstr.) **(Ger)**

[Estradiol-17beta, testosterone, progesterone and cortisol levels in pregnant cows after ACTH administration in various stages of pregnancy] Janowski T, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):870–5 (Eng. Abstr.) **(Ger)**

[Rational hormonal diagnosis of secondary amenorrhea] Moltz L, et al. **Geburtshilfe Frauenheilkd** 1987 Apr; 47(4):228–39 (Eng. Abstr.) **(Ger)**

[Sex hormones and the hypophyseo-gonadal axis in females with liver cirrhosis in postmenopause] Grün R, et al. **Klin Wochenschr** 1987 May 4;65(9):411–8 (Eng. Abstr.) **(Ger)**

[Hormone interactions in varicose veins—receptor analysis and hormone level] Schmidt JB, et al. **Vasa** 1986; 15(3):224–7 (Eng. Abstr.) **(Ger)**

[Hormone studies in andrology] Krause W. **Z Hautkr** 1987 Apr 15;62(8):621–8 (Eng. Abstr.) **(Ger)**

[Retrospective hormonal evaluation of cervix incompetence in pregnant women previously treated for anovulation or other disorders of ovarian function] Jakowicki J, et al. **Ginekol Pol** 1986 Aug;57(8):525–30 (Eng. Abstr.) **(Pol)**

[Dynamics of utero-placental blood flow and endocrine indices of the feto-placental system in women with pregnancy complications] Kastelianos P, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):32–5 (Eng. Abstr.) **(Rus)**

[Ultrasonic picture and hormonal function of the placenta in women with missed abortions] Vinnitskii OI. **Akush Ginekol (Mosk)** 1986 Oct;(10):49–52 (Eng. Abstr.) **(Rus)**

[Gonadotropic function of the pituitary and hormonal function of the ovaries of female workers in the polymer-processing industry] Beskrovnaia NI, et al. **Gig Tr Prof Zabol** 1987 Apr;(4):30–4 (Eng. Abstr.) **(Rus)**

[Plasma levels of sex hormones and their receptors in the endometrium of women with normal menstrual cycle] Asribekova MK, et al. **Probl Endokrinol (Mosk)** 1986 Nov-Dec;32(6):30–3 (Eng. Abstr.) **(Rus)**

[Plasma gonadotropins and sex hormones in the hypothalamic pubertal syndrome in girls] Kaiusheva IV, et al. **Sov Med** 1986;(11):12–6 (Eng. Abstr.) **(Rus)**

[Variation in the hormonal status of women treated with vaginally administered estrogen in the postmenopausal period] Stavrić V, et al. **Med Pregl** 1986;39(11-12):541–5 (Eng. Abstr.) **(Scr)**

DIAGNOSTIC USE

Sex hormone priming prior to the combined hypoglycaemia test. Hamilton W, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:60–5

GENETICS

Quantitating genetic and nongenetic factors that determine plasma sex steroid variation in normal male twins. Meikle AW, et al. **Metabolism** 1986 Dec;35(12):1090–5

HISTORY

[The single hormone hypothesis. An instructive episode in the history of ovarian endocrinology] Süss J. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):134–7 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Isolation and properties of androgenic gland hormone from the terrestrial isopod, Armadillidium vulgare. Hasegawa Y, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):101–10

Availability of decapacitation factor for the detection of semen. Aoki F, et al. **Nippon Hoigaku Zasshi** 1986 Dec; 40(6):782–7

[Purification of radioactive sex hormones as receptor ligands] Degtiar' VG, et al. **Vopr Med Khim** 1987 Mar-Apr; 33(2):71–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Inhibition by plant herb extracts of steroid bindings in uterus, liver and serum of the rabbit. Tamaya T, et al. **Acta Obstet Gynecol Scand** 1986;65(8):839–42

Sexual endocrinology in older women. Samsioe G. **Acta Obstet Gynecol Scand [Suppl]** 1987;140:23–7

Characterization of an in vitro perfused rat ovary model: ovulation rate, oocyte maturation, steroidogenesis and influence of PMSG priming. Brännström M, et al. **Acta Physiol Scand** 1987 May;130(1):107–14

Hepatic uptake of sex steroids in men with alcoholic cirrhosis. Guechot J, et al. **Gastroenterology** 1987 Jan;92(1):203–7

Seasonal profiles of sex steroids in blood plasma and ovarian tissue of Clarias batrachus. Singh S, et al. **Gen Comp Endocrinol** 1987 Feb;65(2):216–24

A case of adrenal tumor producing renin, aldosterone, and sex steroid hormones. Iimura O, et al. **Hypertension** 1986 Oct;8(10):951–6

Concentrations of steroid hormones, and of prolactin, in washings of the human uterus during the menstrual cycle. Stone BA, et al. **J Reprod Fertil** 1986 Sep;78(1):21–5

Role of ovarian hormones in the glycogenic response to endurance training. Riggs C, et al. **J Sports Med Phys Fitness** 1986 Sep;26(3):241–4

Endotoxin-induced changes in sex steroid hormone levels in male rats. Christeff N, et al. **J Steroid Biochem** 1987 Jan;26(1):67–71

Developmental changes in duodenal calcium transport in female rats related to ovarian hormone status and growth rate. Thomas ML, et al. **Mech Ageing Dev** 1986-87 Jan; 37(3):221–9

[Role of prolactin and sex steroids in the pathophysiology of the breast. V. Evaluation of selected steroid metabolic changes in human breast tissue cultures] Kulikowski M, et al. **Ginekol Pol** 1986 Jul;57(7):457–62 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Cimetidine-induced prolactin release in rats. The effect of sex and gonadal steroids. Watanobe H, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):178–84

Influence of steroid hormones on the incorporation of amino acids in uterine and cervical tissue of pregnant women. Wiqvist I, et al. **Acta Endocrinol (Copenh)** 1987 Aug; 115(4):537–43

Coxsackievirus B-3-induced myocarditis. Effect of sex steroids on viremia and infectivity of cardiocytes. Lyden DC, et al. **Am J Pathol** 1987 Mar;126(3):432–8

Sex steroids and energy balance: sites and mechanisms of action. Wade GN. **Ann NY Acad Sci** 1986;474:389–99 (32 ref.)

Female sex hormones suppress development of collagen-induced arthritis in mice. Holmdahl R, et al. **Arthritis Rheum** 1986 Dec;29(12):1501–9

Sex mediated lipid metabolism in human aortic smooth muscle cells. Naseem SM, et al. **Biochem Biophys Res Commun** 1987 Apr 14;144(1):284–91

Effect of sex hormones on the fate of methylmercury and on glutathione metabolism in mice. Hirayama K, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1919–24

Isolation of renal brush-border membrane vesicles by a low-speed centrifugation; effect of sex hormones on Na+-H+ exchange in rat and mouse kidney. Mačković M, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):141–52

Gonadal steroid modulation of neurotransmitter-stimulated cAMP accumulation in the hippocampus of the rat. Harrelson A, et al. **Brain Res** 1987 Feb 24;404(1-2):89–94

Influence of hormones on DNA synthesis of breast tumors in culture. Calaf G, et al. **Breast Cancer Res Treat** 1986; 8(3):223–32

The effect of altered hormonal states on some enzymes of gluconeogenesis in the genital organs of immature female rhesus monkeys. Kushwah A, et al. **Cell Mol Biol** 1986; 32(5):551–3

Evidence for a direct in vitro action of sex steroids on rabbit cartilage cells during skeletal growth: influence of age and sex. Corvol MT, et al. **Endocrinology** 1987 Apr; 120(4):1422–9

Influence of sex steroid hormones on rat growth hormone-releasing factor and somatostatin in dispersed pituitary cells. Fukata J, et al. **Endocrinology** 1986 Nov; 119(5):2256–61

Modulation of gonadotropin secretion by corticosterone: interaction with gonadal steroids and mechanism of action. Kamel F, et al. **Endocrinology** 1987 Aug;121(2):561–8

Steroid effects on the secretory modalities of gonadotropin-releasing hormone release. Melrose P, et al. **Endocrinology** 1987 Jul;121(1):190–9

Steroid hormones reverse sex in turtles. Gutzke WH, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):368–72

Effects of sex steroids on the smoltification of masu salmon, Oncorhynchus masou. Ikuta K, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):99–110

Influence of an antiestrogenic drug (tamoxifen) on Müllerian duct agenesia induced by various steroidal sex hormones in the female chick embryo. Stoll R, et al. **Gen Comp Endocrinol** 1987 May;66(2):218–23

Castration, sex steroids, and heterosexual behavior in adult male laboratory-housed stumptailed macaques (Macaca arctoides). Schenck PE, et al. **Horm Behav** 1986 Sep; 20(3):336–53

Effects of sex hormones on basophil histamine release in recurrent idiopathic anaphylaxis. Slater JE, et al. **J Allergy Clin Immunol** 1987 Sep;80(3 Pt 1):285–90

Serum levels of human chorionic gonadotropin in nonpregnant women and men are modulated by gonadotropin-releasing hormone and sex steroids. Stenman UH, et al. **J Clin Endocrinol Metab** 1987 Apr;64(4):730–6

In vitro effects of estradiol, testosterone, and progesterone on 5-methoxyindole content, cyclic adenosine 3',5'-monophosphate synthesis, and norepinephrine release in different parts of the female guinea pig pineal complex. Cardinali DP, et al. **J Pineal Res** 1986;3(4):351–63

Modulation of phospholipase A2 activity in human endometrium and amniotic membrane by steroid hormones. Bonney RC, et al. **J Steroid Biochem** 1987 Apr;26(4):467–72

Sex steroids and 5-en-3 beta-hydroxysteroids in specific regions of the human brain and cranial nerves. Lanthier A, et al. **J Steroid Biochem** 1986 Sep;25(3):445–9

Effects of steroids with different endocrine profiles on the development, morphology and function of the bursa of Fabricius in chickens. Verheul HA, et al. **J Steroid Biochem** 1986 Nov;25(5A):665–75

Proliferative response of rat accessory sex organs to dietary sex hormones after castration or initial dietary administration of estrogen. Shirai T, et al. **J Urol** 1987 Jul; 138(1):216–8

Effects of gonadectomy and steroid treatment on renal prostaglandin 9-ketoreductase activity in the rat. Cagen LM, et al. **Life Sci** 1987 Jan 5;40(1):95–100

Administration of gonadal steroids to neonatal rats affects beta-endorphin levels in the adult. Forman LJ, et al. **Life Sci** 1987 Feb 16;40(7):687–95

Changes in lipoproteins with various sex steroids. Teran AZ, et al. **Obstet Gynecol Clin North Am** 1987 Mar;14(1):107–19 (82 ref.)

Gonadal steroids and the extinction of conditioned taste aversions in young domestic fowl. Clifton PG, et al. **Physiol Behav** 1987;39(1):27–31

Effects of gonadal steroids on attack and on memory processing in the domestic chick. Clifton PG, et al. **Physiol Behav** 1986;37(5):701–7

Hormonal regulation of protein kinase C in the mouse mammary gland. Holladay CS, et al. **Proc Soc Exp Biol Med** 1986 Dec;183(3):343–7

[Influence of sex hormones on an ovarian carcinoma cell line] Peretz T, et al. **Harefuah** 1986 Jul;111(1-2):1–3 (Eng. Abstr.) **(Heb)**

[Effects of steroid hormones upon lymphocyte transformation in normal subjects and patients with vernal keratoconjunctivitis] Hagihara M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Jul;90(7):936–41 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Regulation of hepatic lipase and serum lipoproteins by sex steroids. Tikkanen MJ, et al. **Am Heart J** 1987 Feb;113(2 Pt 2):562–7 (65 ref.)

Sex steroids and afferent input: their roles in brain sexual differentiation. Beyer C, et al. **Annu Rev Physiol** 1987; 49:349–64 (77 ref.)

Sexological theory, H-Y antigen, chromosomes, gonads, and cyclicity: two syndromes compared. Lewis VG, et al. **Arch Sex Behav** 1986 Dec;15(6):467–74

Gender and baboon aortic steroid hormone receptors. Lin AL, et al. **Arteriosclerosis** 1987 May-Jun;7(3):248–55

Reproductive endocrinology. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):1–246

Pulsatility of reproductive hormones: physiological basis and clinical implications. Clarke IJ, et al. **Baillieres Clin Endocrinol Metab** 1987 Feb;1(1):1–21 (140 ref.)

Evidence of proceptive without receptive defeminization in male ferrets. Baum MJ, et al. **Behav Neurosci** 1985 Aug; 99(4):742–50

Steroid-sensitive neuroeffector pathways for sonic and electric communication in fish. Bass AH. **Brain Behav Evol** 1986;28(1-3):7-21 (54 ref.)

Effects of sex steroids on the development of two granule cell subpopulations in the rat accessory olfactory bulb. Segovia S, et al. **Brain Res** 1986 Dec;395(2):283-6

Effects of sex and reproductive state on acoustic responsiveness in hamsters. Floody OR, et al. **Brain Res Bull** 1987 Feb;18(2):235-44

Effects of gonadectomy and hormonal replacement on rat hearts. Scheuer J, et al. **Circ Res** 1987 Jul;61(1):12-9

Response of rat pituitary anterior lobe prodynorphin products to changes in gonadal steroid environment. Molineaux CJ, et al. **Endocrinology** 1986 Nov; 119(5):2297-305

The special case of hormonal imprinting, the neonatal influence of sex. Döhler KD. **Experientia [Suppl]** 1987; 53:103-23 (116 ref.)

Possible role of gonadal hormones as triggering factors in migraine. Horowski R, et al. **Funct Neurol** 1986 Oct-Dec; 1(4):405-14

Induction of egg spawning in Gibbula umbilicalis (da Costa) by an homogenate of the cerebral ganglia. Clare AS. **Gen Comp Endocrinol** 1986 Oct;64(1):85-90

Hormonal control of courtship and copulatory behavior in male Cnemidophorus inornatus, a direct sexual ancestor of a unisexual, parthenogenetic lizard. Lindzey J, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):411-8

Hormonal regulation of chemosignal-stimulated precopulatory behaviors in male housemice (Mus musculus). Bean NJ, et al. **Horm Behav** 1986 Dec; 20(4):390-404

Attractivity of male and female rats which are hormonally manipulated during early development and in adulthood. de Jonge FH, et al. **Horm Behav** 1986 Dec;20(4):379-89

Hormonal control of sex differences in ultrasound production by hamsters. Floody OR, et al. **Horm Behav** 1987 Mar; 21(1):17-35

Stimulus and hormonal determinants of flehmen behavior in cats. Hart BL, et al. **Horm Behav** 1987 Mar;21(1):44-52

A prenatal source for defeminization of female rats is the maternal ovary. Witcher JA, et al. **Horm Behav** 1987 Mar; 21(1):36-43

Effect of gonadectomy and exogenous sex hormone administration on the concentrations of hepatic oestrogen receptors and hepatic atypical sex hormone binding protein (HASP) in the rat. Lax ER, et al. **Horm Metab Res** 1986 Dec;18(12):814-7

Sex steroid hormone regulation of follicle-stimulating hormone subunit messenger ribonucleic acid (mRNA) levels in the rat. Gharib SD, et al. **J Clin Invest** 1987 Aug; 80(2):294-9

Effect of sexual hormones on the electroencephalogram and seizures. Holmes GL, et al. **J Clin Neurophysiol** 1987 Jan; 4(1):1-22 (136 ref.)

Effect of hormones on seizure activity during pregnancy. Ramsay RE. **J Clin Neurophysiol** 1987 Jan;4(1):23-5

Hormonal modulation of central dopaminergic transmission. Drago F, et al. **J Neural Transm [Suppl]** 1986;22:47-54 (39 ref.)

Exercise-induced muscle protein leakage in the rat. Effects of hormonal manipulation. Amelink GJ, et al. **J Neurol Sci** 1986 Nov;76(1):61-8

Sex distribution, age of onset and HLA profiles in two types of multiple sclerosis. A role for sex hormones and microbial infections in the development of autoimmunity? Van Lambalgen R, et al. **J Neurol Sci** 1986 Nov;76(1):13-21

Interleukin 2, T cell receptor and sex hormone studies in autoimmune mice. Talal N, et al. **J Rheumatol** 1987 Jun; 14 Suppl 13:21-5

The influence of gonadal steroids and the pituitary on the levels and composition of plasma phospholipids in the rat. Edén S, et al. **Metabolism** 1987 Jun;36(6):527-32

Comparison of the effects of castration and steroid replacement on incertohypothalamic dopaminergic neurons in male and female rats. Gunnet JW, et al. **Neuroendocrinology** 1986;44(3):269-75

Neurology of sex steroids and oral contraceptives. Schipper HM. **Neurol Clin** 1986 Nov;4(4):721-51

A brief review comparing the effects of sex steroids on two forms of aggression in laboratory mice. Haug M, et al. **Neurosci Biobehav Rev** 1986 Winter;10(4):463-8 (53 ref.)

Role of sex-hormone-binding globulin and free sex steroid hormones in hyperandrogenic anovulation. Ohsawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2081-8

Increased self-administration of cocaine following haloperidol: effect of ovariectomy, estrogen replacement, and estrous cycle. Roberts DC, et al. **Pharmacol Biochem Behav** 1987 Jan;26(1):37-43

Scent marking in the musk shrew (Suncus murinus). Tennant LE, et al. **Physiol Behav** 1987;39(6):677-80

Affect and nurturance: mechanisms mediating maternal behavior in two female mammals. Fleming AS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2-3):121-7

The effects of gonadal hormones on brain and behavior. Steiner M. **Prog Neuropsychopharmacol Biol Psychiatry** 1987;11(2-3):115-9

Neurohormonal functioning and sexual orientation: a theory of homosexuality-heterosexuality. Ellis L, et al. **Psychol Bull** 1987 Mar;101(2):233-58

Endocrinological view of ageing and climacteric syndrome in women. Donát J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(5):603-47

Endocrine changes and urinary citrate excretion. Hammar ML, et al. **Scand J Urol Nephrol** 1987;21(1):51-3

Effects of pregnancy and sex hormones on the liver. **Semin Liver Dis** 1987 Feb;7(1):1-66

The influence of sex hormones on the disease systemic lupus erythematosus. Lahita RG. **Springer Semin Immunopathol** 1986;9(2-3):305-14 (58 ref.)

Hormonal control of sexual development. George FW, et al. **Vitam Horm** 1986;43:145-96 (213 ref.)

[Minor complaints in family medicine; vaginal blood loss in newborn infants] Eijkelenboom PR, et al. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1166-7 **(Dut)**

[Regulation of steroid hormone genetic activity] Jänne OA. **Duodecim** 1987;103(5):251-63 (21 ref.) **(Fin)**

[Occurrence and growth dynamics of the cystic corpora lutea in the estrus cycle of cattle and their hormone profile] Kähn W. **DTW** 1986 Nov 21;93(10):475-80 (Eng. Abstr.) **(Ger)**

[Inhibin-FSH releasing hormone. Must we revise our concept of the regulation of the hypophyseal-gonadal axis?] von Werder K. **Fortschr Med** 1986 Nov 13;104(42):787 **(Ger)**

[Neuroendocrinology of the menstrual cycle] Huber JC. **Gynakol Rundsch** 1986;26 Suppl 2:161-4 **(Ger)**

[Neuroendocrine control of the female menstrual cycle] Huber JC. **Gynakol Rundsch** 1987;27 Suppl 1:16-28 (Eng. Abstr.) **(Ger)**

[Significance of hormones for sex specific brain differentiation and teratopsychophysiogenesis] Hinz G, et al. **Z Psychol** 1986;194(3):293-309 (Eng. Abstr.) **(Ger)**

[Physiologic basis for the "attractiveness" of female rats for males] Gladkova AI, et al. **Fiziol Zh SSSR** 1986 Dec; 72(12):1609-13 (Eng. Abstr.) **(Rus)**

[Relation between the electrical activity of the cerebral cortex of the white rat and sex hormones] Pol'shin VV, et al. **Zh Vysh Nerv Deiat** 1986 Sep-Oct;36(5):981-4 **(Rus)**

SECRETION

Action of GnRH on steroid secretion by luteal cells of cyclic and early pregnant sows in vitro. Grazul A, et al. **Acta Physiol Hung** 1987;69(2):203-10

Patterns of reproductive hormone secretion in hibernating Turkish hamsters. Darrow JM, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):R329-36

The effect of treatment with an LH-RH agonist (Buserelin) on gonadal activity growth and bone maturation in children with central precocious puberty. Drop SL, et al. **Eur J Pediatr** 1987 May;146(3):272-8

Functioning ovarian tumors with peripheral steroid cell proliferation: a report of twenty-four cases. Rutgers JL, et al. **Int J Gynecol Pathol** 1986;5(4):319-37

Interrelationship of the circadian and ovulatory rhythms of secretion of sex and gonadotropic hormones in intact and neonatally androgenized female rats. Savchenko ON, et al. **Neurosci Behav Physiol** 1986 Nov-Dec;16(6):534-8

[Immunohormonal indicators in the prognosis of lung cancer] Vagner VP, et al. **Klin Med (Mosk)** 1986 Dec;64(12):55-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Decline in skin collagen content and metacarpal index after the menopause and its prevention with sex hormone replacement. Brincat M, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):126-9

Carcinoma of the exocrine pancreas: a sex hormone responsive tumour? Greenway BA. **Br J Surg** 1987 Jun; 74(6):441-2

TOXICITY

Sex hormones and neoplasia: genotoxic effects in short term assays. Degen GH, et al. **Arch Toxicol [Suppl]** 1987; 10:264-78 (99 ref.)

Sex hormones and neoplasia: liver tumors in rodents. Metzler M, et al. **Arch Toxicol [Suppl]** 1987;10:251-63 (61 ref.)

SEX MANUALS

HISTORY

Homosexuality in Dutch instruction books for youths. van der Feen RJ, et al. **J Homosex** 1986 Winter-1987 Spring; 13(2-3):69-87

SEX MATURATION

The role of gonadal steroids in feedback regulation of gonadotropin secretion at different stages of primate development. Winter JS, et al. **Acta Endocrinol (Copenh)** 1987 Feb;114(2):257-68

Hypothalamic GnRH-like bioactivity and immunoreactivity in prepubertal and adult male rats. Bourguignon JP, et al. **Acta Endocrinol [Suppl] (Copenh)** 1986;279:188-95

Puberty in female rats: relative effect of exercise and food restriction. Bronson FH. **Am J Physiol** 1987 Jan;252(1 Pt 2):R140-4

Extended organizational effects of estrogen at puberty. Rodriguez-Sierra JF. **Ann NY Acad Sci** 1986;474:293-307 (20 ref.)

The ontogeny of sex appeal in Drosophila melanogaster males. Curcillo PG, et al. **Behav Genet** 1987 Jan;17(1):81-6

Social mediation of puberty: an adaptive female strategy? Levin RN, et al. **Behav Neural Biol** 1986 Nov;46(3):308-24

Evidence for aggression-modulating pheromones in prepuberal pigs. McGlone JJ, et al. **Behav Neural Biol** 1987 Jan;47(1):27-39

Developmental and hormonal regulation of the major form of hepatic glutathione S-transferase in male mice. Hatayama I, et al. **Biochem Biophys Res Commun** 1986 Oct 30;140(2):581-8

Effects of social environment on sexual maturation in female cotton rats (Sigmodon hispidus). Evans AM, et al. **Biol Reprod** 1986 Dec;35(5):1081-7

Functional maturation of the gonads of Turkish hamsters under various photoperiods. Hong SM, et al. **Biol Reprod** 1986 Nov;35(4):858-62

Puberty delay of bank vole females in a high-density population. Kruczek M, et al. **Biol Reprod** 1986 Oct; 35(3):537-41

Pituitary gonadotropins, hypothalamic gonadotropin-releasing hormone, and testicular traits of boars exposed to natural or supplemental lighting during pubertal development. Lee KH, et al. **Biol Reprod** 1987 Jun;36(5):1164-9

A role for aromatizable androgens in female rat puberty. Mathews D, et al. **Biol Reprod** 1987 May;36(4):836-43

A study of spontaneous sexual maturation of the female ferret. Ryan KD, et al. **Biol Reprod** 1987 Mar;36(2):333-9

Development of opiate ([3H] naloxone)-binding sites in female rabbit brain: correlation with prepubertal gonadotropin secretion. Wilkinson M, et al. **Biol Reprod** 1986 Oct;35(3):572-8

Isolation of specific proteins affected by estradiol in the arcuate-median eminence of prepuberal female rats. Rodriguez-Sierra JF, et al. **Brain Res** 1986 Dec 10; 399(2):379-82

The effect of altered hormonal states on some enzymes of gluconeogenesis in the genital organs of immature female rhesus monkeys. Kushwah A, et al. **Cell Mol Biol** 1986; 32(5):551-3

Validity of self-report measures of girls' pubertal status. Brooks-Gunn J, et al. **Child Dev** 1987 Jun;58(3):829-41

The effects of starvation and sexual maturation on Na+ transbranchial fluxes following direct transfer from fresh water to sea-water in rainbow trout (Salmo gairdneri). Nance JM, et al. **Comp Biochem Physiol [A]** 1987; 87(3):613-22

The effect of age, gender, and sexual maturation on the caffeine breath test. Lambert GH, et al. **Dev Pharmacol Ther** 1986;9(6):375-88

Differences in maternal behavior of rats and the sociosexual development of the offspring. Birke LI, et al. **Dev Psychobiol** 1987 Jan;20(1):85-99

Estradiol has inverse effects on pituitary glycoprotein hormone alpha-subunit messenger ribonucleic acid in the immature European eel and the gonadectomized rat. Counis R, et al. **Endocrinology** 1987 Sep;121(3):1178-84

Hormonal regulation of the peripubertal surge of insulin-like growth factor-I in the rat. Handelsman DJ, et al. **Endocrinology** 1987 Feb;120(2):491-6

Ovarian adrenergic nerves directly participate in the control of luteinizing hormone-releasing hormone and beta-adrenergic receptors during puberty: a biochemical and autoradiographic study. Marchetti B, et al. **Endocrinology** 1987 Jul;121(1):219-26

Inhibin: measurement and role in the immature female rat. Rivier C, et al. **Endocrinology** 1987 Apr;120(4):1688-90

Hormonal control of pubertal spermatogenesis. Russell LD, et al. **Endocrinology** 1987 Apr;120(4):1615-32

Intratesticular factors and testosterone secretion: the role of luteinizing hormone in relation to changes during puberty and experimental cryptorchidism. Sharpe RM, et al. **Endocrinology** 1986 Nov;119(5):2089-96

Gonadal-independent activation of enhanced afternoon luteinizing hormone release during pubertal development in the female rat. Urbanski HF, et al. **Endocrinology** 1987 Sep;121(3):907-13

Crowding during pregnancy delays puberty and alters estrous cycles of female offspring in mice. Harvey PW, et al. **Experientia** 1987 Mar 15;43(3):306-8

Profiles of plasma sex steroids and gonadotropin in coho salmon, Oncorhynchus kisutch, during final maturation. Fitzpatrick MS, et al. **Gen Comp Endocrinol** 1986 Jun; 62(3):437-51

Maturational steroids and gonadotropin in upstream migratory sockeye salmon. Truscott B, et al. **Gen Comp Endocrinol** 1986 Apr;62(1):99-110

Estradiol plus progesterone treatment and precopulatory behavior in prepubertally ovariectomized female rats: dose-response relationships. Hliňák Z. **Horm Behav** 1986 Sep;20(3):263-9

Hormones and behavior of prepubertal and peripubertal chimpanzees. Nadler RD, et al. **Horm Behav** 1987 Mar; 21(1):118-31

Development indices of maturity in females. Mascie-Taylor CG, et al. **Hum Biol** 1987 Feb;59(1):1-6

Dermatoglyphic development and timing of maturation. Meier RJ, et al. **Hum Biol** 1987 Apr;59(2):357-73

Hematologic changes during sexual maturation. Why do black adolescents have low hemoglobin concentrations?

Charache S, et al. **J Adolesc Health Care** 1987 Jul; 8(4):315–21

Normal reproductive development in the adolescent female. Moscicki AB, et al. **J Adolesc Health Care** 1986 Nov;7(6 Suppl):41S–64S (115 ref.)

Sexual maturation in underfed weight-matched rats. A test of the "critical body weight" theory of pubertal timing in males. Glass AR, et al. **J Androl** 1987 Mar–Apr;8(2):116–22

Genotype x environment interactions involving proportion of Brahman breeding and season of birth. II. Postweaning growth, sexual development and reproductive performance of heifers. Bolton RC, et al. **J Anim Sci** 1987 Jul;65(1):48–55

Estrous and litter traits in gilts altered by altrenogest, flushing and pubertal status. Davis DL, et al. **J Anim Sci** 1987 Apr; 64(4):1117–26

Puberty–physiological mechanisms of control. Kragt CL, et al. **J Anim Sci** 1972;34 Suppl 1:1–18 (107 ref.)

Hormonal patterns of boars exposed to natural or supplemental lighting during pubertal development. Lee KH, et al. **J Anim Sci** 1987 Apr;64(4):1110–6

Effect of energy intake after weaning on the sexual development of beef bulls. II. Age at first mating, age at puberty, testosterone and scrotal circumference. Pruitt RJ, et al. **J Anim Sci** 1986 Aug;63(2):579–85

Influence of biostimulation by mature bulls on occurrence of puberty in beef heifers. Roberson MS, et al. **J Anim Sci** 1987 Jun;64(6):1601–5

The relative rate of maturation and its psychological effect. Goodson CS, et al. **J Biosoc Sci** 1987 Jan;19(1):73–88

Black–white differences in serum lipoproteins during sexual maturation: the Bogalusa Heart Study. Freedman DS, et al. **J Chronic Dis** 1987;40(4):309–18

Estimation of pubertal mammary development in heifers by computed tomography. Sørensen MT, et al. **J Dairy Sci** 1987 Feb;70(2):265–70

Thyroidectomy of nestling starlings appears to cause neotenous sexual maturation. Dawson A, et al. **J Endocrinol** 1987 Mar;112(3):R5–6

Evidence of gonadal steroid–independent changes in activity of the central LH–releasing hormone pulse generator in developing bull calves. D'Occhio MJ, et al. **J Endocrinol** 1986 Oct;111(1):67–73

Microheterogeneity of anterior pituitary FSH in the male rat: isoelectric focusing pattern throughout sexual maturation. Ulloa-Aguirre A, et al. **J Endocrinol** 1986 Sep; 110(3):539–49

RNA synthesis in Leydig cells during sexual maturation in the rat: effect of LH. Valladares LE, et al. **J Endocrinol** 1986 Sep;110(3):551–6

Developmental changes in gonadotrophins and testicular gonadotrophin receptors in the pig, from neonatal to adult life. Vandalem JL, et al. **J Endocrinol** 1986 Nov; 111(2):301–8

Sexual maturation–associated and estrogen–induced progesterone receptor expression in the bursa of Fabricius. Yukomi TJ, et al. **J Immunol** 1987 May 15;138(10):3174–8

Pubertal maturation and classical phenylketonuria. Scaglioni S, et al. **J Inherited Metab Dis** 1986;9(3):285–6

Changes in circulating levels of immunoreactive follicle stimulating hormone, luteinizing hormone, and testosterone during sexual development in the rhesus monkey, Macaca mulatta. Arslan M, et al. **J Med Primatol** 1986;15(5):351–9

Selenium content and glutathione peroxidase activity in the testis of the maturing rat. Behne D, et al. **J Nutr** 1986 Aug;116(8):1442–7

The secular trend in size and maturational timing and its implications for nutritional assessment. Garn SM. **J Nutr** 1987 May;117(5):817–23 (45 ref.)

Growth and sexual maturation in children after kidney transplantation. van Diemen-Steenvoorde R, et al. **J Pediatr** 1987 Mar;110(3):351–6

Ano–genital distance as a factor in determining puberty acceleration in mice. Cowley JJ, et al. **J Reprod Fertil** 1986 Nov;78(2):685–91

Androgen–dependence of ornithine decarboxylase in the rat epididymis. de las Heras MA, et al. **J Reprod Fertil** 1987 Jan;79(1):9–14

Seasonal variations in the effectiveness of urinary chemosignals influencing puberty in female house mice. Drickamer LC. **J Reprod Fertil** 1987 May;80(1):295–300

Age–related changes in plasma oestrogen concentration, behavioural responsiveness to oestrogen, and reproductive success in female gray–tailed voles, Microtus canicaudus. Petersen SL. **J Reprod Fertil** 1986 Sep;78(1):57–64

Effect of nutrition, temperature and photoperiod on the rate of sexual maturation of the field vole (Microtus agrestis). Spears N, et al. **J Reprod Fertil** 1987 May;80(1):175–81

Effect of male presence and of photoperiod on the sexual maturation of the field vole (Microtus agrestis). Spears N, et al. **J Reprod Fertil** 1986 Sep;78(1):231–8

Comparison of the gonadal response of wild and laboratory field voles (Microtus agrestis) to different photoperiods. Spears N, et al. **J Reprod Fertil** 1987 Jan;79(1):75–81

Short days induce premature reproductive maturation in juvenile starlings, Sturnus vulgaris. Williams TD, et al. **J Reprod Fertil** 1987 May;80(1):327–33

Endocrine regulation of puberty in cows and ewes. Kinder JE, et al. **J Reprod Fertil [Suppl]** 1987;34:167–86 (56 ref.)

Two noninvasive methods to measure female maturation. Kozinetz CA. **J Sch Health** 1986 Dec;56(10):440–2

Improving the productivity of breeding colonies of Mongolian gerbils (Meriones unguiculatus). Clark MM, et al. **Lab Anim** 1986 Oct;20(4):313–5

Developmental changes in duodenal calcium transport in female rats related to ovarian hormone status and growth rate. Thomas ML, et al. **Mech Ageing Dev** 1986–87 Jan; 37(3):221–9

Oestrogen–induced desensitization to the negative oestrogen feedback. A mechanism involved in the sex–specific control of gonadotrophin secretion during sexual maturation and in adulthood. Döcke F, et al. **Monogr Neural Sci** 1986; 12:36–44

Rapid naloxone–induced alterations of androgen variables in the growing male rat. Marić D, et al. **Neuroendocrinology** 1987 Aug;46(2):167–75

Incorporation of amino acids into proteins of the hypothalamus of prepuberal female rats after estradiol treatment. Rodriguez–Sierra JF, et al. **Neuroendocrinology** 1987 Jun;45(6):459–64

Peripheral plasma androgen levels in the male dog from birth to sexual maturity. Tsutsui T, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):177–9

Fertility onset, spermatogenesis, and pubertal development in male rats: effect of graded underfeeding. Glass AR, et al. **Pediatr Res** 1986 Nov;20(11):1161–7

The effect of photoperiod on development of sexual behavior and fertility in golden hamsters. Cherry JA. **Physiol Behav** 1987;39(4):521–6

Peripheral anosmia affects puberty–influencing chemosignals in mice: donors and recipients. Drickamer LC. **Physiol Behav** 1986;37(5):741–6

Body composition and other physical parameters as determinants of age at sexual maturity and performance efficiency in dwarf hens divergently selected for body weight. Renden JA, et al. **Poult Sci** 1986 Aug;65(8):1429–36

Selection for body weight at eight weeks of age. 18. Comparisons between mature and immature pullets at the same live weight and age. Zelenka DJ, et al. **Poult Sci** 1987 Jan;66(1):41–6

Androstenedione may organize or activate sex–reversed traits in female spotted hyenas. Glickman SE, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3444–7

Nutrition and puberty in the female. Kirkwood RN, et al. **Proc Nutr Soc** 1987 Jul;46(2):177–92 (97 ref.)

Nutritional effects on puberty and lactational infertility in mammals: some interspecies considerations. Loudon A. **Proc Nutr Soc** 1987 Jul;46(2):203–16 (91 ref.)

Effects of age and live weight on the sexual development of gilts and boars fed two planes of nutrition. Prunier A, et al. **Reprod Nutr Dev** 1987;27(3):689–700

Ontogeny of the androgen receptor in rat ventral prostate during sexual development. Moeller H, et al. **Res Exp Med (Berl)** 1987;187(4):287–94

Female reproductive development: a hazards model analysis. Foster A, et al. **Soc Biol** 1986 Fall–Winter;33(3–4):183–98

Steroid hormone feedback on LH in prepubertal Holstein heifers. Swanson LV, et al. **Steroids** 1986 Feb–Mar; 47(2–3):101–14

Influence of halothane genotype and boar presence on puberty in gilts. Eliasson L, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):61–8

Dopamine and norepinephrine in the diencephalon of ovariectomized and sham–operated hens around sexual maturity. Kajal S, et al. **Zentralbl Veterinarmed [A]** 1987 Feb;34(2):113–8

[Modern views on the control of sexual maturation in the woman] Presl J. **Cesk Gynekol** 1987 Apr;52(3):214–24 (72 ref.) **(Cze)**

[Puberty induction using pulsatile LHRH administration] Delemarre–van de Waal HA. **Tijdschr Kindergeneeskd** 1986 Dec;54(6):176–82 (Eng. Abstr.) **(Dut)**

[Induction of fetal thymidine kinase by phyto–estrogens in the immature rat uterus] Touffet S, et al. **C R Soc Biol (Paris)** 1987;181(2):122–7 (Eng. Abstr.) **(Fre)**

[Behavior of HDL and total cholesterol in the serum of students in adolescence and sex maturation] Schlegel V, et al. **Arztl Jugendkd** 1987;78(1):9–19 (Eng. Abstr.) **(Ger)**

[Pediatric gynecology as prevention] Mall–Haefeli M. **Fortschr Med** 1986 Sep 11;104(34):629–32, 640 (Eng. Abstr.) **(Ger)**

[Development of body structure in young males—a contribution to social health research] Stiegert I, et al. **Z Arztl Fortbild (Jena)** 1986;80(15):631–3 **(Ger)**

[Morphokinetic effect of chlormadinone acetate on the testicle of pre– and intrapuberal rats. III. Morphometric studies on the spermatogenic epithelium] Hünigen H, et al. **Z Mikrosk Anat Forsch** 1987;101(2):363–74 (Eng. Abstr.) **(Ger)**

[The neuronal activity of the amygdaloid complex during the prepubertal development of female rats] Smollich A, et al. **Z Mikrosk Anat Forsch** 1986;100(4):674–86 (Eng. Abstr.) **(Ger)**

[Effects of divergent and antagonistic body weight selection on sex maturation in female mice] von Butler I, et al. **Z Versuchstierkd** 1986;28(4):187–92 (Eng. Abstr.) **(Ger)**

[Evaluation of the development and sex maturation of children with bronchial asthma from the Upper Silesia based on many years' observation] Sadowska L, et al. **Pediatr Pol** 1986 Nov;61(11):717–24 (Eng. Abstr.) **(Pol)**

[Monoaminergic control over the sexual maturation of the female body] Plekhova EI, et al. **Akush Ginekol (Mosk)** 1987 Mar;(3):13–6 (Eng. Abstr.) **(Rus)**

[Hormonal adjustments during adaptation to high latitude conditions in girls in the postpubertal period] Shvareva NV. **Fiziol Cheloveka** 1987 May–Jun;13(3):473–81 **(Rus)**

[Rate of sexual maturation of tame and aggressive gray rats] Shishkina GT, et al. **Fiziol Zh SSSR** 1986 Jul;72(7):992–6 (Eng. Abstr.) **(Rus)**

[Features of indoleamine metabolism in adolescent girls with delayed sexual development] Plekhova EI. **Probl Endokrinol (Mosk)** 1987 Mar–Apr;33(2):40–3 (Eng. Abstr.) **(Rus)**

[Hypothalamic receptors of sex hormones in the mechanism of the sexual differentiation of the brain in rats] Babichev VN, et al. **Zh Evol Biokhim Fiziol** 1987 Mar–Apr; 23(2):216–23 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Long–term administration of gonadotropin–releasing hormone in men with idiopathic hypogonadotropic hypogonadism. A model for studies of the hormone's physiologic effects. Spratt DI, et al. **Ann Intern Med** 1986 Dec;105(6):848–55

Anticonvulsant drugs, growth, and development. Macardle BM, et al. **Arch Dis Child** 1987 Jun;62(6):615–7

Neonatal testosterone propionate treatment in the female gerbil: morphological and behavioral effects. Raible LH, et al. **Behav Neurosci** 1987 Apr;101(2):215–8

Delayed pubertal development of the male reproductive tract associated with chronic ethanol ingestion. Anderson RA Jr, et al. **Biochem Pharmacol** 1987 Jul 1;36(13):2157–67

Kainic acid lesioning of the preoptic area alters positive feedback of estrogen in prepubertal female rats. Clough RW, et al. **Biol Reprod** 1986 Dec;35(5):1269–76

Suppression of testicular maturation and fertility following androgen administration to neonatal male rats. Feigelson M. **Biol Reprod** 1986 Dec;35(5):1321–32

Effect of postnatal treatment with a gonadotropin–releasing hormone antagonist on sexual maturation of male rats. Huhtaniemi IT, et al. **Biol Reprod** 1986 Oct;35(3):501–7

Experimental micropolycystic ovarian disease. I. Measurement of body weight, ovarian weight and histochemical activity of 17 beta–hydroxysteroid dehydrogenase. Iannetta O, et al. **Braz J Med Biol Res** 1986;19(2):287–94

The influence of androgen administration on the structure and function of the brain–pituitary–gonad axis of sexually immature platyfish, Xiphophorus maculatus. Schreibman MP, et al. **Cell Tissue Res** 1986;245(3):519–24

Differential displacement of cells from the median eminence into the arcuate nucleus during puberty. Effects of melatonin administration. Marani E, et al. **Experientia** 1987 Mar 15;43(3):305–6

Effects of mammalian gonadotropins (oFSH and oLH) on testicular development in the immature water snake, Nerodia sipedon. Krohmer RW. **Gen Comp Endocrinol** 1986 Dec;64(3):330–8

Prolactin induced advancement in structural organization of accessory sex organs during puberal transition in albino rats. Reddy KV, et al. **Indian J Exp Biol** 1986 Jun; 24(6):356–62

Reproduction during initial stages of puberty in neonatally androgenised rats. Shanbhag AB, et al. **Indian J Exp Biol** 1986 Apr;24(4):217–23

Effect of feed treatment and exogenous estrogen and progestogen on puberty and lambing rates in ewe lambs. Burfening PJ, et al. **J Anim Sci** 1986 Dec;63(6):1717–21

Induced ovulation and fertility in prepuberal cattle, sheep and swine. Foote RH. **J Anim Sci** 1972;34 Suppl 1:49–56 (43 ref.)

Effects of adrenalectomy and glucocorticoids on puberty in gilts reared in confinement. Killian DB, et al. **J Anim Sci** 1987 Jan;64(1):231–6

Influence of manure gases on puberty in gilts. Malayer JR, et al. **J Anim Sci** 1987 May;64(5):1476–83

Inhibition of first ovulation: administration of an LHRH antagonist to immature female rats. Meijs–Roelofs HM, et al. **J Endocrinol** 1987 Mar;112(3):407–15

Delayed puberty in lambs chronically treated with oestradiol. Foster DL, et al. **J Reprod Fertil** 1986 Sep;78(1):111–7

Pituitary response to LHRH, LH pulsatility and plasma melatonin and prolactin changes in ewe lambs treated with melatonin implants to delay puberty. Kennaway DJ, et al. **J Reprod Fertil** 1986 Sep;78(1):137–48

Effect of prenatal alcohol exposure on sexual maturation of female rat offspring. Esquifino AI, et al. **Neuroendocrinology** 1986;44(4):483–7

Induction of precocious development of reproductive function in cockerels by tamoxifen administration. Rozenboim I, et al. **Poult Sci** 1986 Oct;65(10):1980–3

The effect of carbimazole on growth and sexual maturity in the pullet. Shanawany MM, et al. **Q J Exp Physiol** 1987 Jul;72(3):339–43

[Effect of various doses of progesterone in early pregnancy on the fertility of young and adult sows] Schlegel W, et al. **Arch Exp Veterinarmed** 1986 Jul;40(4):599–604 (Eng. Abstr.) **(Ger)**

[Treatment of various forms of retardation of sexual development in girls] Bogdanova EA, et al. **Akush Ginekol (Mosk)** 1987 May;(5):20–3 (Eng. Abstr.) **(Rus)**

[Effect of piracetam on rat reproductive function and the sexual development of their progeny] Terekhina AI, et al. **Farmakol Toksikol** 1987 May–Jun;50(3):69–70 (Eng. Abstr.)

(Rus)

RADIATION EFFECTS

The effect of exposure to direct solar radiation on the semen characteristics of the male rabbit. Salem MH, et al. **Beitr Trop Landwirtsch Veterinarmed** 1987;25(2):213–21

SEX OFFENSES

see related
PARAPHILIAS

Personality characteristics of sex offenders: a review. Levin SM, et al. **Arch Sex Behav** 1987 Feb;16(1):57–79

Male adolescent sexual offenders: the offender and the offense. Saunders E, et al. **Can J Psychiatry** 1986 Aug; 31(6):542–9

A group treatment program for adolescent sex offenders: five steps toward resolution. Smets AC, et al. **Child Abuse Negl** 1987;11(2):247–54

Recidivism among sex offenders: a follow-up study of 541 Norwegian sex offenders. Grünfeld B, et al. **Int J Law Psychiatry** 1986;9(1):95–102

Childhood sexual abuse in the lives of sexually aggressive offenders. Seghorn TK, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):262–7

MMPI-based personality types among juvenile sexual offenders. Smith WR, et al. **J Clin Psychol** 1987 Jul; 43(4):422–30

Frequency of MMPI two-point code types among sex offenders. Erickson WD, et al. **J Consult Clin Psychol** 1987 Aug;55(4):566–70

Criminological predictors of recidivism in a sexual offender population. Hall GC, et al. **J Consult Clin Psychol** 1987 Feb;55(1):111–2

Buggery in childhood—a common syndrome of child abuse. Hobbs CJ, et al. **Lancet** 1986 Oct 4;2(8510):792–6

Sex offenders and cyproterone acetate—a review of clinical care. Torpy D, et al. **Med Sci Law** 1986 Oct;26(4):279–82

Sexually transmitted diseases in victims of sexual assault [letter] **N Engl J Med** 1987 Apr 16;316(16):1023–5

Adolescent sex offenders. Davis GE, et al. **Psychol Bull** 1987 May;101(3):417–27

[Sexually motivated killing of the victim. Characteristics of a group of 50 offenders] Pondělíčková J, et al. **Cesk Psychiatr** 1986 Dec;82(6):396–401 (Eng. Abstr.) (Cze)

[Time factors in recidivism in patients after preventive sex therapy] Weiss P, et al. **Cesk Psychiatr** 1987 Feb;83(1):25–9 (Eng. Abstr.) (Cze)

[Sociocultural differences between sexual delinquents] Weiss P, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):228–32 (Eng. Abstr.) (Cze)

[Comprehensive adaptation therapy of sexual delinquents] Zimanová J, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):211–4 (Eng. Abstr.) (Cze)

[Experience of female patients in psychiatric ambulatory care with regard to deviant sexual behavior] Zvěřina J, et al. **Cesk Psychiatr** 1987 Apr;83(2):124–7 (Eng. Abstr.) (Cze)

[The factor of familiarity with the object as a characteristic of the sexual aggressor] Zvěřina J, et al. **Cesk Psychiatr** 1986 Aug;82(3–4):167–73 (Eng. Abstr.) (Cze)

[Guidelines for management of second offenders] Junnila SY, et al. **Duodecim** 1987;103(3):156–8 (Fin)

[Myths, nightmares, scenarios and criminal acts] Pirlot-Petroff G. **Ann Med Psychol (Paris)** 1986 Sep–Oct; 144(8):791–806 (Eng. Abstr.) (Fre)

LEGISLATION & JURISPRUDENCE

Research and laws regarding therapist-patient sexual involvement: implications for therapists. Pope KS. **Am J Psychother** 1986 Oct;40(4):564–71

Allen v. Illinois: the fifth amendment and the sexually dangerous person. Appelbaum PS. **Hosp Community Psychiatry** 1987 Jan;38(1):25–6

[Sperm detection. Rapid detection and optimal extraction of spots] Schwerd W, et al. **Arch Kriminol** 1986 Sep–Oct; 178(3–4):76–81 (Ger)

[Causes, clinical forms and forensic assessment of pedophilia] Fehlow P. **Z Arztl Fortbild (Jena)** 1986;80(20):857–60 (Ger)

SEX PRESELECTION see under **GENETIC INTERVENTION**

SEX RATIO

Increased sex concordance of sibling pairs with Behçet's disease, Hodgkin's disease, multiple sclerosis, and sarcoidosis. Grufferman S, et al. **Am J Epidemiol** 1987 Sep; 126(3):365–9 (31 ref.)

Sex ratio, paternal age, and duration of marriage [letter] James WH. **Am J Hum Genet** 1987 Mar;40(3):287–8

Male excess among anatomically normal fetuses in spontaneous abortions. Byrne J, et al. **Am J Med Genet** 1987 Mar;26(3):605–11

Neural tube defects and sex ratios. Seller MJ. **Am J Med Genet** 1987 Mar;26(3):699–707

Sex ratio in twin pregnancies [letter] Jakobovits AA, et al. **Am J Obstet Gynecol** 1987 May;156(5):1360

The effect of hormones on the sex ratio of infants following artificial insemination. James WH. **Ann Hum Biol** 1987 Jan–Feb;14(1):39–47

Pilot and astronaut offspring: possible G-force effects on human sex ratio. Little BB, et al. **Aviat Space Environ Med** 1987 Jul;58(7):707–9

Food restricting young hamsters (Mesocricetus auratus) affects sex ratio and growth of subsequent offspring. Huck UW, et al. **Biol Reprod** 1986 Oct;35(3):592–8

Association of placenta praevia and sex ratio at birth. Mills JL, et al. **Br Med J** 1987 Feb 28;294(6571):544

Sex ratio of the stillborn fetuses and neonates dying in the first week. Jakobovits A, et al. **Early Hum Dev** 1987 May; 15(3):131–5

Sex chromosome ratios in human sperm [letter] **Fertil Steril** 1987 Mar;47(3):531–4

Male/female ratio after induced ovulation [letter] James WH. **Fertil Steril** 1986 Oct;46(4):740–1

Sex ratio and male clomiphene treatment [letter] Rönnberg L, et al. **Fertil Steril** 1986 Dec;46(6):1171–2

Sperm separation [letter] Shettles LB. **Fertil Steril** 1987 Mar; 47(3):534–6

The influence of genetic background and the homologous chromosome 17 on t-haplotype transmission ratio distortion in mice. Gummere GR, et al. **Genetics** 1986 Sep; 114(1):235–45

Infant sex sequences. Birnholz JC, et al. **IMJ** 1987 Jul; 172(1):15–7

Fertility, fecundity, sex ratio and the accessory sex glands in male golden hamsters. Chow PH, et al. **Int J Androl** 1986 Aug;9(4):312–20

Changes in sex ratios in referrals [letter] Craft P, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Jan;26(1):113–4

Variation of the human secondary sex ratio and lethal recessive X-linked mutations. Astolfi P, et al. **J Biosoc Sci** 1987 Jul;19(3):283–94

Preferences for sex of children: a multivariate analysis. Krishnan V. **J Biosoc Sci** 1987 Jul;19(3):367–76

Simple test of the Multifactorial-Polygenic Model with sex dependent thresholds. Ottman R. **J Chronic Dis** 1987; 40(2):165–70

Maternal blood groups and birth sex ratio. Suvonnakote T. **J Med Assoc Thai** 1986 Jul;69(7):389–91

Women in the labor force: are sex mortality differentials changing? Passannante MR, et al. **J Occup Med** 1987 Jan; 29(1):21–8

Food availability and secondary sex ratio variation in wild and laboratory house mice (Mus musculus). Meikle DB, et al. **J Reprod Fertil** 1986 Nov;78(2):587–91

The prevalence of ankylosing spondylitis in males and females [letter] Piergiacomi G. **J Rheumatol** 1986 Oct; 13(5):990

Handedness of parents and sex of progeny. James WH. **J Theor Biol** 1986 Sep 21;122(2):243–5

Neural tube defects, sex ratios, and X inactivation [letter] Hall JG. **Lancet** 1986 Dec 6;2(8519):1334–5

Birth sex ratios and prostatic cancer in butchers [letter] Lloyd MM, et al. **Lancet** 1987 Mar 7;1(8532):561

Sex ratios in neural tube defects [letter] Martínez Frías ML, et al. **Lancet** 1986 Oct 11;2(8511):871–2

Sex ratio in outbreaks of parvovirus B19 infection [letter] Morgan-Capner P, et al. **Lancet** 1987 Jul 11;2(8550):98

Nutrition, women, and sex ratios. Bullough VL. **Perspect Biol Med** 1987 Spring;30(3):450–60

Lighting and sex ratio for breeding ringnecked pheasants in confined housing. Bates DP, et al. **Poult Sci** 1987 Apr; 66(4):605–12

Sex ratio variation in mammals. Clutton-Brock TH, et al. **Q Rev Biol** 1986 Sep;61(3):339–74 (221 ref.)

Sex preference for children and its implications for fertility in rural Bangladesh. Bairagi R, et al. **Stud Fam Plann** 1986 Nov-Dec;17(6 Pt 1):302–7

Individual and population sex allocation patterns. Frank SA. **Theor Popul Biol** 1987 Feb;31(1):47–74

The role of recombination and selection in the modifier theory of sex-ratio distortion. Lessard S. **Theor Popul Biol** 1987 Apr;31(2):339–58

The human sex ratio: increase in first-born males to parents with shared HLA-DR antigens. Radvany RM, et al. **Tissue Antigens** 1987 Jan;29(1):34–42

[The sex of children and breast cancer. Case-control study] Langlois SP, et al. **Union Med Can** 1986 Nov; 115(11):766–70, 806 (Eng. Abstr.) (Fre)

[Boy or girl?] Brunborg H. **Tidsskr Nor Laegeforen** 1987 May 20;107(14):1207–9 (Eng. Abstr.) (Nor)

[From an excess of women to an excess of men. A changed society] Forsdahl A. **Tidsskr Nor Laegeforen** 1986 Oct 10; 106(28):2341–3 (Eng. Abstr.) (Nor)

SEX REVERSAL, GONADAL

Decreased arterial vasculature of the epididymal head in XXSxr pseudomale ('sex-reversed') mice. Le Barr DK, et al. **Acta Anat (Basel)** 1987;129(2):123–6

Androgen levels and androgenization in sex-reversed (XXSxr pseudomale) mouse: absence of initial segment of epididymis is independent of androgens. Le Barr DK, et al. **Arch Androl** 1986;17(3):195–205

Sex reversal: deletion mapping the male-determining function of the human Y chromosome. Page DC. **Cold Spring Harbor Symp Quant Biol** 1986;51 Pt 1:229–35

Morphological development of the mouse gonad in tda-1 XY sex reversal. Nagamine CM, et al. **Differentiation** 1987; 33(3):214–22

Studies on the genetics of tda-1 XY sex reversal in the mouse. Nagamine CM, et al. **Differentiation** 1987;33(3):223–31

Sex reversal in wrasses. I. Uptake of testosterone by the gonads and the central nervous system and its aromatization in the CNS of Thalassoma duperrey (Teleostei: Labridae). Kincl FA, et al. **Endocrinol Exp (Bratisl)** 1987 Jun; 21(2):115–23

Development of interstitial cells in experimentally sex-reversed gonads of genetically female chick embryos. Maraud R, et al. **Gen Comp Endocrinol** 1986 Sep; 63(3):464–70

Secretion of the anti-müllerian hormone by the gonads of experimentally sex reversed female chick embryos. Rashedi PM, et al. **Gen Comp Endocrinol** 1987 Jan;65(1):87–91

In vitro studies on steroid metabolism by gonadal tissues from ambisexual teleosts. II. Conversion of [14C]androstenedione by the heterologous gonadal tissues of the protandric sea bream Pagellus acarne (Risso). Reinboth R, et al. **Gen Comp Endocrinol** 1986 May; 62(2):335–40

The plasma sex steroid profiles in the freshwater, sex-reversing teleost fish, Monopterus albus (Zuiew). Yeung WS, et al. **Gen Comp Endocrinol** 1987 Feb; 65(2):233–42

Androstenedione may organize or activate sex-reversed traits in female spotted hyenas. Glickman SE, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3444–7

SEXUAL ABSTINENCE see under **SEX BEHAVIOR**

SEXUAL ABUSE, CHILD see **CHILD ABUSE, SEXUAL**

SEXUALLY TRANSMITTED DISEASES

Adolescents and sexually transmitted disease. Hernandez TJ. **Am Fam Physician** 1987 Aug;36(2):127–32

Interdisciplinary andrology. STDs. AIDS research. Hafez ES. **Arch Androl** 1987;18(1–2):1–178 (170 ref.)

The office approach to the sexually transmitted diseases: Part II. Levin S, et al. **Dis Mon** 1987 Apr;33(4):181–236

The office approach to the sexually transmitted diseases: Part I. Levin S, et al. **Dis Mon** 1987 Mar;33(3):121–79

Sexually transmitted diseases (STDs) [editorial] Owili DM. **East Afr Med J** 1986 Oct;63(10):633–4

Hepatitis B virus transmission between heterosexuals [letter] **JAMA** 1987 Jan 16;257(3):314–5

Evidence for heterosexual transmission and clinical manifestations of human immunodeficiency virus infection and related conditions in Lusaka, Zambia. Melbye M, et al. **Lancet** 1986 Nov 15;2(8516):1113–5

Knowledge about sexually transmitted diseases shown by people attending the STD Clinic at Port Moresby General Hospital. Bukenya GB. **Papua New Guinea Med J** 1986 Dec;29(4):295–9

Sexually transmitted diseases. **Semin Adolesc Med** 1986 Jun; 2(2):99–173

Evaluation of a sexually transmitted diseases training program. Koutsky LA, et al. **Sex Transm Dis** 1982 Oct-Dec;9(4):178–82

The unique considerations and concerns of the homosexual patient receiving care for sexually transmitted diseases [editorial] Paroski PA Jr. **Sex Transm Dis** 1982 Oct-Dec; 9(4):214–5

[Can reactive arthritis be caused by Chlamydia trachomatis?] Bernelot Moens HJ. **Ned Tijdschr Geneeskd** 1987 Jan 24; 131(4):144–6 (Dut)

[Genital infections caused by Chlamydia trachomatis in French Guiana: current status and diagnostic importance] Crenn Y, et al. **Bull Soc Pathol Exot Filiales** 1986; 79(4):458–63 (Eng. Abstr.) (Fre)

[Austrian Society for Dermatology and Venereology annual scientific meeting. 15 June 1985, Innsbruck. Abstracts] **Hautarzt** 1987 Mar;38(3):176–81 (Ger)

[Sex education and education in sexually transmitted diseases in pre-university students in Uruguay] Rostkier JM. **Bol Of Sanit Panam** 1987 Jan;102(1):74–80 (Eng. Abstr.) (Spa)

COMPLICATIONS

Cervical carcinoma as a sexually transmitted disease: human papillomavirus and its possible etiologic role. Benson CA. **Adv Contracept** 1987 Jun;3(2):103–14 (62 ref.)

Sexually transmitted disease, infertility, IUDs and epidemiology. Struthers BJ. **Adv Contracept** 1987 Jun; 3(2):82–96 (59 ref.)

Oncogenic potential of sexually transmitted viruses with special reference to oral cancer. Eskinazi DP. **Oral Surg Oral Med Oral Pathol** 1987 Jul;64(1):35–40 (96 ref.)

Problematic ulcerative lesions in sexually transmitted diseases: surgical management. Parkash S, et al. **Sex Transm Dis** 1986 Jul-Sep;13(3):127–33

Sexually transmitted diseases and tubal infertility. Sherman KJ, et al. **Sex Transm Dis** 1987 Jan-Mar;14(1):12–6

[Cancer of the cervix. I. A disease transmitted by venereal infection?] Kjaer SK, et al. **Ugeskr Laeger** 1986 Oct 6; 148(41):2651–4 (Eng. Abstr.) (Dan)

DIAGNOSIS

Sexually transmitted diseases of mucous membranes. Weiss

JW. **Clin Dermatol** 1987 Apr–Jun;5(2):103–11 (6 ref.)
New methods for the detection of Chlamydia trachomatis. Thompson SE. **Clin Ther** 1986;9 Suppl A:17–21
Syphilitic patients with urogenital infection caused by Chlamydia trachomatis, Ureaplasma urealyticum and Gardnerella vaginalis. Borisenko KK, et al. **Dermatol Monatsschr** 1987;173(5):285
Sigmoidoscopy—a necessary procedure in the routine investigation of homosexual men? McMillan A. **Genitourin Med** 1987 Feb;63(1):44–6
Social significance of genital tract infections in adolescent girls admitted to a juvenile remand centre [letter] Lee CD. **Med J Aust** 1987 Mar 2;146(5):277–8
Sexually transmitted diseases in victims of sexual assault [letter] **N Engl J Med** 1987 Apr 16;316(16):1023–5
Is the Papanicolaou smear useful for diagnosing sexually transmitted diseases? Roongpisuthipong A, et al. **Obstet Gynecol** 1987 May;69(5):820–4 (18 ref.)
Detection of Chlamydia trachomatis infection by direct immunofluorescence staining of genital secretion. Wiesmeier E, et al. **Obstet Gynecol** 1987 Mar;69(3 Pt 1):347–9
Laboratory evaluation of sexually transmitted diseases. Farmer MY, et al. **Pediatr Ann** 1986 Oct;15(10):715–8, 721–4
American Academy of Pediatrics Committee on Adolescence: Role of the pediatrician in management of sexually transmitted diseases in children and adolescents. **Pediatrics** 1987 Mar;79(3):454–6
Understanding and recognizing the effects of Chlamydia trachomatis infections. Figelman AR. **Semin Adolesc Med** 1986 Jun;2(2):107–11
Acute pelvic inflammatory disease. Freij BJ. **Semin Adolesc Med** 1986 Jun;2(2):143–53
Acute urethral syndromes. Goldenring JM. **Semin Adolesc Med** 1986 Jun;2(2):125–9
Sexually transmitted vaginitis. Losnick JG. **Semin Adolesc Med** 1986 Jun;2(2):131–42
Chlamydial infections and other sexually transmitted diseases in adolescent pregnancy. Pitegoff JG, et al. **Semin Adolesc Med** 1986 Sep;2(3):215–29
Sexually transmitted diseases in sexually abused children. De Jong AR. **Sex Transm Dis** 1986 Jul–Sep;13(3):123–6
[Diagnosis of chlamydial urethritis in males] Valkoun A, et al. **Bratisl Lek Listy** 1987 Jun;87(6):721–5 (Eng. Abstr.) **(Cze)**
[Direct identification of Chlamydia trachomatis using fluorescent monoclonal antibodies in infections of the lower urogenital tract] Morier P, et al. **Ann Dermatol Venereol** 1986;113(9):799–803 (Eng. Abstr.) **(Fre)**
[Urogenital Chlamydia infections in venerologic patients at the dermatology department of a university clinic] Liebscher S, et al. **Dermatol Monatsschr** 1987;173(4):190–5 (Eng. Abstr.) **(Ger)**
[Routine microbiologic diagnosis of inflammatory gynecologic diseases including sexually transmitted diseases] Mayer HO, et al. **Gynakol Rundsch** 1987; 27(2):116–20 **(Ger)**
[Chlamydia and Mycoplasma infections] Reider W, et al. **Gynakol Rundsch** 1987;27(2):112–6 **(Ger)**
[Chlamydia trachomatis in patients with genital contact infections in Austria—studies of 3,367 patients] Stary A, et al. **Wien Klin Wochenschr** 1986 Oct 24;98(20):679–83 (Eng. Abstr.) **(Ger)**
[Current problems of sexually transmitted diseases] Sönnichsen N, et al. **Zentralbl Gynakol** 1986; 108(22):1337–57 (Eng. Abstr.) **(Ger)**
[Detection of chlamydial antigen with an EIA in patients with sexually transmitted disease] Kuriyama M, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Jul;77(7):1169–76 (Eng. Abstr.) **(Jpn)**
[Diagnosis of Chlamydia trachomatis infection of the urogenital system by a rapid method of direct immunofluorescence using monoclonal antibodies] Zdrodowska-Stefanow B, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):383–7 (Eng. Abstr.) **(Pol)**
[Use of antichlamydial monoclonal antibodies in the diagnosis of urogenital chlamydiasis] Gomberg MA, et al. **Vestn Dermatol Venerol** 1986;(8):57–61 (Eng. Abstr.) **(Rus)**
[New methods of diagnosis and treatment in dermatology and venereology (review of patent information in the USSR)] Kolotilo DV. **Vestn Dermatol Venerol** 1986; (10):40–4 (0 ref.) (Eng. Abstr.) **(Rus)**
[Diagnosis by culturing Ureaplasma urealyticum and gonococcus in patients with urogenital pathology] Starostina ZD. **Vestn Dermatol Venerol** 1986;(8):61–3 (Eng. Abstr.) **(Rus)**
[Consultation schedule of a professor] Tumasheva NI. **Vestn Dermatol Venerol** 1987;(6):39–40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Problems in the treatment of bacterial sexually transmitted diseases. Stamm WE. **Am J Med** 1987 Apr 27; 82(4A):307–10 (19 ref.)
Treatment of sexually transmitted diseases. Adler MW. **Clin Exp Obstet Gynecol** 1986;13(3–4):154–8
Ofloxacin: therapeutic results in Chlamydia trachomatis urethritis. Bischoff W. **Infection** 1986;14 Suppl 4:S316–7
Clinical experience with ofloxacin in sexually transmitted disease. Judson FN, et al. **Infection** 1986;14 Suppl 4:S309–10
Treatment of common genital infections in adolescents. Martien K, et al. **J Adolesc Health Care** 1987 Jan; 8(1):129–36 (42 ref.)
Drug treatment of sexually transmittable diseases. Philpot CR. **Med J Aust** 1983 Feb 5;1(3):132–4
Problems in the treatment of bacterial sexually transmitted diseases. Handsfield HH. **Sex Transm Dis** 1986 Jul–Sep;13(3 Suppl):179–84 (16 ref.)
[Sexually transmitted diseases. Reports from the 2d World Congress on Sexually Transmitted Diseases. Paris, 25–28 June 1986] **Med Monatsschr Pharm** 1986 Nov;9(11):347–52 **(Ger)**
[Dermatologic and venerologic therapy 1946/1986] Ippen H. **Z Hautkr** 1986 Dec 1;61(23):1711–5 **(Ger)**
[Elaboration of the pattern of drug supplies in the treatment of skin and venereal diseases] Dremova NB, et al. **Vestn Dermatol Venerol** 1987;(5):44–5 (Eng. Abstr.) **(Rus)**
[Treatment of sexually transmitted diseases] Casanova JM, et al. **Rev Sanid Hig Publica (Madr)** 1986 Jul–Aug; 60(7–8):759–79 (Eng. Abstr.) **(Spa)**

ECONOMICS

[Economic aspects of sexually transmissible diseases] Luger A. **Z Hautkr** 1987 Jan 15;62(2):87–9 **(Ger)**

ETIOLOGY

The prevalence of Chlamydia trachomatis in women with genitourinary symptoms. Bohbot JM, et al. **Clin Ther** 1986; 9 Suppl A:6–10
Pseudoelephantiasis induced by donovanosis. Sehgal VN, et al. **Genitourin Med** 1987 Feb;63(1):54–6
Viral STDs: herpes simplex and human papillomavirus. Quinn TC, et al. **Md Med J** 1987 Jan;36(1):64–6, 71–2
[Artificial insemination with donor sperm and sexually transmissible disorders (letter)] te Velde ER, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):1013 **(Dut)**
[Dermatologic and venereal pathology in drug addicts] Chieregato GC, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):1–10 (Eng. Abstr.) **(Ita)**
[Sexually transmitted infections in obstetrics and gynecology] Kuczyńska K. **Ginekol Pol** 1986 Nov;57(11):745–8 (Eng. Abstr.) **(Pol)**

HISTORY

On the cover: sexually transmitted diseases. Leland TM. **J SC Med Assoc** 1987 Jun;83(6):338–9
[Johann Wolfgang von Goethe—the first promoter of dermatovenerologic moulage art] Schnalke T. **Dermatol Monatsschr** 1987;173(6):348–52 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Anti-HIV antibodies in patients with sexually transmitted diseases or viral hepatitis (letter)] Ritter J, et al. **Presse Med** 1987 Apr 4;16(12):590 **(Fre)**
[Prevalence of serum markers of hepatitis B virus in heterosexual males with sexually transmitted diseases] Requena Caballero L, et al. **Med Clin (Barc)** 1986 Sep 20; 87(8):309–12 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Isolation of multiple strains of cytomegalovirus from women attending a clinic for sexually transmitted disease. Chandler SH, et al. **J Infect Dis** 1987 Apr;155(4):655–60
Asymptomatic Chlamydia trachomatis infections among sexually active men. Karam GH, et al. **J Infect Dis** 1986 Nov;154(5):900–3
Infection with multiple sexually transmitted agents. Osborne NG, et al. **J Natl Med Assoc** 1987 Mar;79(3):328–9
Sexual transmission of Candida. Horowitz BJ, et al. **Obstet Gynecol** 1987 Jun;69(6):883–6
Sexually transmitted diseases in adolescents. Johnson J. **Primary Care** 1987 Mar;14(1):101–20 (26 ref.)
Isolation of Branhamella (Neisseria) catarrhalis from men with urethritis. Doern GV, et al. **Sex Transm Dis** 1982 Oct–Dec;9(4):202–4
[Pathogen–host relations in sexually transmitted diseases] Korting HC, et al. **Hautarzt** 1986 Oct;37(10):547–53 (Eng. Abstr.) **(Ger)**
[Isolation of Mycoplasma and Chlamydia in patients with urogenital infections] Krausse R, et al. **Immun Infekt** 1987 May;15(3):112–9 (Eng. Abstr.) **(Ger)**
[Microbiologic analysis of genital test samples with special reference to Chlamydia and Mycoplasma] Grossgebauer K. **Off Gesundheitswes** 1986 Nov;48(11):605–7 (Eng. Abstr.) **(Ger)**
[Detection of Chlamydia trachomatis in cell culture] Hartmann M, et al. **Z Gesamte Hyg** 1987 Mar;33(3):139–42 (Eng. Abstr.) **(Ger)**
[Non-gonococcal urethritis: new sexually transmitted diseases—etiology, diagnosis and therapy] Kawada Y. **Nippon Rinsho** 1986 Sep;44(9):2104–11 (20 ref.) **(Jpn)**
[The Chlamidiazyme immunoenzyme test (Abbott) in the diagnosis of urogenital infections] Zaba R, et al. **Przegl Dermatol** 1987 Jan–Feb;74(1):46–50 (Eng. Abstr.) **(Pol)**

NURSING

Role and training of nurses working in departments of genitourinary medicine in England and Wales. 1. Role. Rogers JS, et al. **Genitourin Med** 1987 Apr;63(2):122–6
Role and training of nurses working in departments of genitourinary medicine in England and Wales. 2. Training and future role. Rogers JS, et al. **Genitourin Med** 1987 Apr; 63(2):127–32

OCCURRENCE

Chlamydia. An unheralded epidemic. Loucks A. **Am J Nurs** 1987 Jul;87(7):920–2
Widespread use of condoms and low prevalence of sexually transmitted diseases in Danish non-drug addicts [letter] Ward H, et al. **Br Med J** 1987 Feb 14;294(6569):444
Sexually transmitted disease surveillance in Britain—1984. Communicable Disease Surveillance Centre. **Br Med J [Clin Res]** 1986 Oct 11;293(6552):942–3
Widespread use of condoms and low prevalence of sexually transmitted diseases in Danish non-drug addict prostitutes. Krogsgaard K, et al. **Br Med J [Clin Res]** 1986 Dec 6; 293(6560):1473–4
A survey of sexually transmitted diseases diagnosed by physicians in New Brunswick and Prince Edward Island. Sweet L, et al. **Can J Public Health** 1987 Mar–Apr; 78(2):91–4
Sexually transmitted disease in Canada in 1985. **Can Med Assoc J** 1987 Apr 15;136(8):849–51
Chlamydia trachomatis infections in Japan. Kumamoto Y. **Clin Ther** 1986;9 Suppl A:11–6
Characterisation of Tanzanian outpatients presenting with sexually transmitted diseases. Msamanga GI, et al. **East Afr Med J** 1987 Jan;64(1):31–6
A survey of sexually transmitted diseases in the Democratic Republic of Somalia. Podgore JK, et al. **East Afr Med J** 1986 Oct;63(10):640–5
Seroepidemiological study on sexually transmitted diseases and hepatitis B in African promiscuous heterosexuals in relation to HTLV-III infection. Van de Perre P, et al. **Eur J Epidemiol** 1987 Mar;3(1):14–8
Sexually transmitted infections in adolescent girls. Mulcahy FM, et al. **Genitourin Med** 1987 Apr;63(2):119–21
Sexually transmitted disease in Northern Ireland. Maw R, et al. **Ir Med J** 1986 Nov;79(11):314–7
Sexually transmitted diseases and the gay male. Branson BM. **Md Med J** 1987 Jan;36(1):73–6
Prevalence of sexually transmitted diseases in high-risk women in the Republic of Panama. Reeves WC, et al. **Sex Transm Dis** 1987 Apr–Jun;14(2):69–74
Sexually transmitted diseases in the United States. **Stat Bull Metrop Insur Co** 1986 Oct–Dec;67(4):3–10
Sexually transmitted diseases: why such prominence? [editorial] Cates W Jr. **Stat Bull Metrop Insur Co** 1986 Oct–Dec;67(4):11
[Sexually transmissible diseases; a report by the Public Health Council] Mouton RP. **Ned Tijdschr Geneeskd** 1987 Apr 18;131(16):655–7 (Eng. Abstr.) **(Dut)**
[Extent of venereal diseases, hepatitis B and acquired immunologic deficiency syndrome in prostitution] Scheffel D, et al. **Beitr Gerichtl Med** 1986;44:55–62 (Eng. Abstr.) **(Ger)**
[Epidemiology, clinical aspects and therapy of infections with Chlamydia trachomatis serotype D–K] Luger A. **Wien Klin Wochenschr** 1987 Jan 9;99(1):1–14 (Eng. Abstr.) **(Ger)**
[Incidence of sexually transmitted diseases in 1985] Stapiński A, et al. **Przegl Dermatol** 1986 Nov–Dec;73(6):481–5 (Eng. Abstr.) **(Pol)**
[Migration of the population and problems of the epidemiology of venereal diseases] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1987;(5):41–3 (Eng. Abstr.) **(Rus)**
[Sero-epidemiological study of the penal institutions of eastern Andalusia] Maroto Vela MC, et al. **An R Acad Nac Med (Madr)** 1986;103(2):217–33 **(Spa)**

PATHOLOGY

Sexually transmitted papillomaviral infections. I. The anatomic distribution and pathologic grade of neoplastic lesions associated with different viral types. Reid R, et al. **Am J Obstet Gynecol** 1987 Jan;156(1):212–22
Cervical cytology screening in sexually transmitted diseases clinics in the United Kingdom. British Co-operative Clinical Group. **Genitourin Med** 1987 Feb;63(1):40–3
Histological aspects of sexually transmitted genital lesions. Freinkel AL. **Histopathology** 1987 Aug;11(8):819–31
Human papillomavirus and cervical intraepithelial neoplasia as sexually transmitted diseases. Sanz LE, et al. **Semin Adolesc Med** 1986 Jun;2(2):121–4
Genital ulcer syndrome. Silber TJ. **Semin Adolesc Med** 1986 Jun;2(2):155–62
Sexually transmitted papillomaviral infections in the male: I. Anatomic distribution and clinical features. Rosemberg SK, et al. **Urology** 1987 May;29(5):488–92

PREVENTION & CONTROL

The prophylactic properties of the Today sponge and other spermicide containing contraceptives. Berger KL, et al. **Adv Contracept** 1987 Jun;3(2):125–31 (14 ref.)
Female prostitutes and sexually transmitted diseases. Barton

SE, et al. **Br J Hosp Med** 1987 Jul;38(1):34, 36, 40 passim (50 ref.)
Screening for sexually transmitted diseases by family planning providers: is it adequate and appropriate? Aral SO, et al. **Fam Plann Perspect** 1986 Nov–Dec;18(6):255–8
Control of sexually transmitted diseases today and tomorrow. Morton RS. **Genitourin Med** 1987 Jun;63(3):202–9
Recent sexually transmitted disease prevention efforts and their implications for AIDS health education. Solomon MZ, et al. **Health Educ Q** 1986 Winter;13(4):301–16
Leads from the MMWR. Progress toward achieving the national 1990 objectives for sexually transmitted diseases. **JAMA** 1987 Apr 24;257(16):2141–3
Tubal infertility: an ounce of (more specific) prevention [editorial] Cates W Jr. **JAMA** 1987 May 8;257(18):2480
Some advice on using condoms against STDs: what every man (and woman) should know [news] Goldsmith MF. **JAMA** 1987 May 1;257(17):2266
Control of sexually transmitted chlamydial infections [editorial] Handsfield HH. **JAMA** 1987 Apr 17; 257(15):2073–4
Preventive strategies in sexually transmitted diseases for the primary care physician. US Preventive Services Task Force. Horsburgh CR Jr, et al. **JAMA** 1987 Aug 14; 258(6):814–21 (44 ref.)
STDs, IVF, and barrier contraception [letter] Potts M, et al. **JAMA** 1987 Oct 2;258(13):1729–30
Legal aspects of sexually transmitted diseases. Flannery FT, et al. **Md Med J** 1987 Jan;36(1):77–80
Prevention and sexually transmitted diseases. Hume JC. **Md Med J** 1987 Jan;36(1):25–30
Chlamydial infections. Lovchik JC. **Md Med J** 1987 Jan; 36(1):54–7
Progress toward achieving the national 1990 objectives for sexually transmitted diseases. **MMWR** 1987 Apr 3; 36(12):173–6
Spermicides and sexually transmitted diseases: new perspectives. Feldblum PJ, et al. **NC Med J** 1986 Dec; 47(12):569–72 (41 ref.)
The recognition and control of sexually transmitted diseases [letter] MacCormack JN, et al. **NC Med J** 1987 Apr; 48(4):226–7
The Denver Sexually Transmitted Diseases Prevention/Training Center: a two-year performance evaluation. Judson FN, et al. **Sex Transm Dis** 1982 Oct–Dec;9(4):183–7
WHO Expert Committee on Venereal Diseases and Treponematoses. Sixth report. **WHO Tech Rep Ser** 1986; 736:1–141
[Sexually transmissible diseases and AIDS while traveling] Coutinho RA, et al. **Ned Tijdschr Geneeskd** 1987 May 9; 131(19):810–1 **(Dut)**
[Sexually transmitted diseases in free sexual practice. Epidemiological aspects] Job-Spira N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(3):305–10 (Eng. Abstr.) **(Fre)**
[Elements of a regional program for the control and prevention of sexually transmitted diseases in the Montreal region] Adrien A, et al. **Union Med Can** 1986 Aug; 115(8):519–21 (Eng. Abstr.) **(Fre)**
[Legal regulations in the control of venereal diseases] Schmierl G, et al. **Med Klin** 1986 Aug 22;81(17):572–4 **(Ger)**
[Various problems in detecting offenses associated with the spread of venereal diseases] Iatsukha MV, et al. **Vestn Dermatol Venerol** 1986;(12):32–5 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychological disturbance and illness behaviour in a clinic for sexually transmitted diseases. Ikkos G, et al. **Br J Med Psychol** 1987 Jun;60 (Pt 2):121–6
Knowledge, attitudes and education background of sexually transmitted disease clinic attenders. Dinsmore WW, et al. **Ir J Med Sci** 1987 Jan;156(1):9–12
[Psychosocial characteristics of women examined for venereal diseases] Frankenberg AA, et al. **Vestn Dermatol Venerol** 1986;(7):74–6 (Eng. Abstr.) **(Rus)**

THERAPY

Dermatology's role in sexually transmitted diseases [letter] Conant MA. **J Am Acad Dermatol** 1986 Sep;15(3):533–4
Compliance with treatment for sexually transmitted diseases. Bell TA, et al. **Semin Adolesc Med** 1987 Jun;3(2):153–6

TRANSMISSION

Prevalence and transmission of human immunodeficiency virus in Japan. Kurimura T, et al. **AIDS Res** 1986 Dec;2 Suppl 1:S163–6
Sexually communicable micro-organisms in human semen samples to be used for artificial insemination by donor. Tjiam KH, et al. **Genitourin Med** 1987 Apr;63(2):116–8
Sex and the bowel. Allason-Jones E, et al. **Int J Color Dis** 1987 Feb;2(1):32–7 (53 ref.)
Semen donors as the source of sexually transmitted diseases in artificially inseminated women: the saga unfolds [editorial] Mascola L, et al. **JAMA** 1987 Feb 27; 257(8):1093–4
Spastic paraparesis: a possible sexually transmitted viral myeloneuropathy [letter] Zaninović V. **Lancet** 1986 Sep 20;2(8508):697–8
Chlamydia trachomatis infection in sexually abused children. Keskey TS, et al. **Mt Sinai J Med (NY)** 1987 Feb; 54(2):129–34
Mycotic urogenital syndrome: a sexually transmitted disease. Siboulet A. **Mykosen [Suppl]** 1978;1:267–70
Transmission of disease during artificial insemination [letter] **N Engl J Med** 1986 Nov 13;315(20):1289–91
Sexual acquisition of urinary tract infection in a man. Bailey RR, et al. **Nephron** 1986;44(3):217–8
Latent oculogenital infection with Chlamydia trachomatis. Insler MS, et al. **Ophthalmology** 1987 Jan;94(1):27–9
[Artificial insemination with donor semen and sexually transmissible disorders] Tjiam KH, et al. **Ned Tijdschr Geneeskd** 1986 Oct 18;130(42):1893–6 (Eng. Abstr.) **(Dut)**
[Condylomata acuminata-associated STD infections of the urethra of the male. A comparative epidemiologic study] Elsner P, et al. **Hautarzt** 1987 Jan;38(1):26–30 (Eng. Abstr.) **(Ger)**
[Primary tuberculosis complex of sexual transmission. Apropos of a case] Cecchi R, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):105–7 (Eng. Abstr.) **(Ita)**
[Sexually transmitted diseases: Chlamydia trachomatis] Giannone R, et al. **Minerva Ginecol** 1987 Apr;39(4):255–6 (Eng. Abstr.) **(Ita)**
[Some epidemiological and clinical aspects of Chlamydia trachomatis infections] Chiba S. **Ulrusu** 1986 Jun; 36(1):43–53 (75 ref.) **(Jpn)**
[Alcoholism—an important factor in the spread of venereal diseases] Tesalova OT, et al. **Vestn Dermatol Venerol** 1986; (7):68–74 (79 ref.) (Eng. Abstr.) **(Rus)**
[Diseases transmitted by sexual contact in childhood (editorial)] Santos-Preciado JI. **Bol Med Hosp Infant Mex** 1986 Oct;43(10):593–4 **(Spa)**

VETERINARY

Epidemiologic and economic analyses of an unusually long epizootic of trichomoniasis in a large California dairy herd. Goodger WJ, et al. **J Am Vet Med Assoc** 1986 Oct 1; 189(7):772–6
Vaccination studies for the control of campylobacteriosis in Jamaican cattle. Eaglesome MD, et al. **Vet Rec** 1986 Sep 20;119(12):299–301

SEZARY SYNDROME

COMPLICATIONS

Generalized vitiligo following Sézary syndrome. Alcalay J, et al. **Br J Dermatol** 1987 Jun;116(6):851–5
Disseminated epidermolytic acanthoma revealed by PUVA. Nakagawa T, et al. **Dermatologica** 1986;173(3):150–3
[Immunodeficiency in lymphoproliferative processes and possibilities of correcting it] Kirzon SS, et al. **Gematol Transfuziol** 1987 Jan;32(1):18–24 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

New techniques in the evaluation of cutaneous T-cell lymphoma. van Vloten WA, et al. **Dermatol Clin** 1985 Oct; 3(4):665–72 (72 ref.)

DRUG THERAPY

Oral retinoids in mycosis fungoides and Sézary syndrome: a comparison of isotretinoin and etretinate. A study from the Scandinavian Mycosis Fungoides Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):232–6

FAMILIAL & GENETIC

Cytogenetic studies of Sézary cells. Berger R, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):79–87

IMMUNOLOGY

Natural and concanavalin A-induced cytotoxic activity towards continuously growing B lymphocytes derived from patients with cutaneous T-cell lymphoma. Jensen JR, et al. **Arch Dermatol Res** 1986;279(1):12–5
A human T cell line established from a patient with Sézary syndrome. Application for assay of human interleukin 2 (IL-2). Namiuchi S, et al. **J Immunol Methods** 1986 Nov 20;94(1-2):215–24
[Sezary's cells: in vitro immunologic activity and effect of thymostimulin] Pimpinelli N, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):281–4 (Eng. Abstr.) **(Ita)**

METABOLISM

Detection of macrophage migration inhibitory factor by monoclonal antibody in Sézary syndrome. Neumann C, et al. **J Invest Dermatol** 1987 Jun;88(6):670–4

PATHOLOGY

A continuous T-cell line from a patient with Sézary syndrome. Kaltoft K, et al. **Arch Dermatol Res** 1987; 279(5):293–8
Mycosis fungoides and Sézary's syndrome show distinct histomorphological features. Imai S, et al. **Dermatologica** 1986;173(3):131–5
Coexistence of Sézary syndrome and dysmyelopoiesis with an excess of myeloblasts [letter] Rostoker G, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1296–8
Histopathologic studies in Sézary syndrome and erythrodermic mycosis fungoides: a comparison with benign forms of erythroderma. Sentis HJ, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1217–26
The nails in adult type 1 pityriasis rubra pilaris. A comparison with Sézary syndrome and psoriasis. Sonnex TS, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):956–60
Cytologic transformation in cutaneous T cell lymphoma: a clinicopathologic entity associated with poor prognosis. Dmitrovsky E, et al. **J Clin Oncol** 1987 Feb;5(2):208–15
[Lymph node histopathologic aspects in cutaneous lymphomas of the mycosis fungoides or Sézary syndrome type. Retrospective study of 98 biopsies] Wechsler J, et al. **Ann Pathol** 1987;7(2):122–9 (Eng. Abstr.) **(Fre)**

THERAPY

Interferon and T-cell lymphoma [letter] Alcalay J, et al. **Ann Intern Med** 1987 Sep;107(3):428
Alpha-interferon treatment of cutaneous T cell lymphoma and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):35–9

SGOT see **ASPARTATE AMINOTRANSFERASE**

SGPT see **ALANINE AMINOTRANSFERASE**

SHAME see under **GUILT**

SHARED PARANOID DISORDER

[Induced psychosis: a case] Higuero HA. **Rev Med Panama** 1987 Jan;12(1):14–22 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Shared paranoid disorder preceded by cannabis abuse: case report. Dalby JT, et al. **Can J Psychiatry** 1987 Feb; 32(1):64–5

HISTORY

The diary of a madman, seventeenth-century style: Goodwin Wharton, MP and communer with the fairy world. Porter R. **Psychol Med** 1986 Aug;16(3):503–13

PSYCHOLOGY

Folie à Deux in the aged: variations in psychopathology. Brooks SA. **Can J Psychiatry** 1987 Feb;32(1):61–3
Folie à deux in two sisters: case report from Nigeria. Ilechukwu ST, et al. **Can J Psychiatry** 1987 Apr;32(3):216–8
Life-threatening dermatitis artefacta. Murray SJ, et al. **Cutis** 1987 May;39(5):387–8
Munchausen's syndrome by proxy: update. Money J. **J Pediatr Psychol** 1986 Dec;11(4):583–4

SHARKS

Identification of arsenobetaine as a major arsenic compound in muscle of two demersal sharks, shortnose dogfish Squalus brevirostris and starspotted shark Mustelus manazo. Hanaoka K, et al. **Comp Biochem Physiol [B]** 1987; 86(4):681–2
Urogenital sinus calculi in a sand tiger shark (Odontaspis taurus). Walsh MT, et al. **J Wildl Dis** 1987 Jul;23(3):428–31

ANATOMY & HISTOLOGY

Resolution of apical from basolateral membrane of shark rectal gland. Dubinsky WP, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):C721–6
The elasmobranch renal corpuscle: fine structure of Bowman's capsule and the glomerular capillary wall. Lacy ER, et al. **Anat Rec** 1987 Jul;218(3):294–305
The anatomical organization of retinal projections in the shark Scyliorhinus canicula with special reference to the evolution of the selachian primary visual system. Repérant J, et al. **Brain Res** 1986 Sep;396(3):227–48
The cerebellum of the dogfish, Scyliorhinus canicula: a quantitative study. Alvarez R, et al. **J Hirnforsch** 1987; 28(2):133–7
At least one thalamotelencephalic pathway in cartilaginous fishes projects to the medial pallium. Smeets WJ, et al. **Neurosci Lett** 1987 Aug 5;78(3):277–82
Structural, ultrastructural and immunohistochemical observations on the interpeduncular nucleus of the elasmobranch fish Scyllium stellare. Kemali M, et al. **Z Mikrosk Anat Forsch** 1986;100(3):451–63
[Remarks on the relations between weight and the coefficients of condition in Selachian fishes] Capapé C. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):527–41 (Eng. Abstr.) **(Fre)**

BLOOD

Leukotriene B4 induces enhanced migration of fish leucocytes in vitro. Hunt TC, et al. **Immunology** 1986 Dec; 59(4):563–8
Preliminary studies on the chemotactic potential of dogfish (Scyliorhinus canicula) leucocytes using the bipolar shape

formation assay. Hunt TC, et al.
Vet Immunol Immunopathol 1986 Jun;12(1-4):75-82

EMBRYOLOGY

Subcellular organization of the yolk syncytial–endoderm complex in the preimplantation yolk sac of the shark, Rhizoprionodon terraenovae. Hamlett WC, et al.
Cell Tissue Res 1987 Feb;247(2):275-85
The acid–base status of prenatal pups of the dogfish, Squalus acanthias, in the uterine environment. Kormanik GA, et al. **J Exp Biol** 1986 Sep;125:173-9

GENETICS

Isolation and characterization of a cDNA clone encoding testis protamine Z1 from the dog-fish Scylliorhinus caniculus. Berlot-Picard F, et al. **Eur J Biochem** 1987 Jun 15;165(3):553-7
Nucleotide sequence of a cDNA clone encoding Scylliorhinus caniculus protamine Z2. Berlot-Picard F, et al. **Eur J Biochem** 1986 Oct 15;160(2):305-10
Evolutionary relationships of a "primitive" shark (Heterodontus) assessed by micro-complement fixation of serum transferrin. Davies DH, et al. **J Mol Evol** 1987; 25(1):74-80
Extensive families of constant region genes in a phylogenetically primitive vertebrate indicate an additional level of immunoglobulin complexity. Kokubu F, et al.
Proc Natl Acad Sci USA 1987 Aug;84(16):5868-72

IMMUNOLOGY

The immunoglobulins of carcharhine sharks: a comparison of serological and biochemical properties. Rosenshein IL, et al. **Comp Biochem Physiol [B]** 1987;86(4):737-47
Aspects of the immunology of the female genital tract of the elasmobranch, Scyliorhinus canicula L. Hart S, et al.
Dev Comp Immunol 1986 Fall;10(4):597-602
Macrophage-like effector of spontaneous cytotoxicity from the shark. McKinney EC, et al. **Dev Comp Immunol** 1986 Fall;10(4):497-508
Ontogeny of gut-associated lymphoid tissue (GALT) in the dogfish Scyliorhinus canicula L. Hart S, et al.
Vet Immunol Immunopathol 1986 Jun;12(1-4):107-16
Conservation among the immunoglobulins of carcharhine sharks and phylogenetic conservation of variable region determinants. Rosenshein IL, et al.
Vet Immunol Immunopathol 1986 Jun;12(1-4):13-20

METABOLISM

High-field n.m.r. studies of keratan sulphates. 1H and 13C assignments of keratan sulphate from shark cartilage. Cockin GH, et al. **Biochem J** 1986 Jun 15;236(3):921-4
A novel vasoactive intestinal peptide (VIP) from elasmobranch intestine has full affinity for mammalian pancreatic VIP receptors. Dimaline R, et al.
Biochim Biophys Acta 1987 Aug 19;930(1):97-100
Effects of urea, trimethylamine oxide, and osmolality on respiration and citrulline synthesis by isolated hepatic mitochondria from Squalus acanthias. Anderson PM.
Comp Biochem Physiol [B] 1986;85(4):783-8
Support of respiration and citrulline synthesis by isolated hepatic mitochondria from Squalus acanthias by acyl–CoAs and other nitrogen-donating substrates. Anderson PM.
Comp Biochem Physiol [B] 1986;85(4):789-94
Some kinetic properties of dogfish chymotrypsin. Ramakrishna M, et al. **Comp Biochem Physiol [B]** 1987; 87(1):25-30
Isolation, purification, and the sequence of relaxin from spiny dogfish (Squalus acanthias). Büllesbach EE, et al.
Eur J Biochem 1986 Dec 1;161(2):335-41
Primary structure of glucagon from the gut of the common dogfish (Scyliorhinus canicula). Conlon JM, et al.
FEBS Lett 1987 Apr 6;214(1):50-6
Glutamine synthetase isozymes in elasmobranch brain and liver tissues. Smith DD Jr, et al. **J Biol Chem** 1987 Jan 5;262(1):198-202
Potassium channels in the basolateral membrane of the rectal gland of Squalus acanthias. Regulation and inhibitors. Gögelein H, et al. **Pflugers Arch** 1987 Jun;409(1-2):107-13
The "small" conductance chloride channel in the luminal membrane of the rectal gland of the dogfish (Squalus acanthias). Gögelein H, et al. **Pflugers Arch** 1987 Jun; 409(1-2):122-5
Chloride channels in the luminal membrane of the rectal gland of the dogfish (Squalus acanthias). Properties of the "larger" conductance channel.Greger R, et al.
Pflugers Arch 1987 Jun;409(1-2):114-21
Potassium channels in the basolateral membrane of the rectal gland of the dogfish (Squalus acanthias). Greger R, et al.
Pflugers Arch 1987 Jun;409(1-2):100-6
Slow biliary elimination of methyl mercury in the marine elasmobranchs, Raja erinacea and Squalus acanthias. Ballatori N, et al. **Toxicol Appl Pharmacol** 1986 Sep 30; 85(3):407-15

MICROBIOLOGY

Bacteriology of the marine environment: implications for clinical therapy. Auerbach PS, et al. **Ann Emerg Med** 1987 Jun;16(6):643-9

PARASITOLOGY

Generic diagnosis of Asthenocotyle Robinson, 1961 (Monogenea:Microbothriidae) and description of Asthenocotyle taranakiensis new species from Oxynotus bruniensis (Oxynotidae) taken in New Zealand waters. Beverley-Burton M, et al. **Int J Parasitol** 1987 Apr; 17(4):965-9

PHYSIOLOGY

Roles of gill and red cell carbonic anhydrase in elasmobranch HCO3- and CO2 excretion. Swenson ER, et al.
Am J Physiol 1987 Sep;253(3 Pt 2):R450-8
Urea tolerance of myofibrillar proteins of two elasmobranchs: Squalus acanthias and Raja tengu. Hasnain A, et al.
Arch Int Physiol Biochim 1986 Sep;94(3):233-7
The nervus terminalis of the shark: the effect of efferent impulses on ganglion cell activity. White J, et al.
Brain Res 1987 Jan 1;400(1):159-64
Function of the liver and hepatic lipids of the lesser sand shark, Rhinobatos annulatus (Müller & Henle). Rossouw GJ. **Comp Biochem Physiol [B]** 1987;86(4):785-90
Acute toxicity of copper to mediterranean dogfish. Torres P, et al. **Comp Biochem Physiol [C]** 1987;86(1):169-71
Morphological and endocrine correlates of the reproductive cycle of the aplacental viviparous dogfish, Squalus acanthias. Tsang PC, et al. **Gen Comp Endocrinol** 1987 May; 66(2):182-9
Single nephron function of the lesser spotted dogfish, Scyliorhinus canicula, and the effects of adrenaline. Brown JA, et al. **J Exp Biol** 1987 May;129:265-78
Membrane potentials and intracellular chloride activity in the ciliary body of the shark. Wiederholt M, et al.
Pflugers Arch 1986;407 Suppl 2:S112-5

SHARP SYNDROME see **MIXED CONNECTIVE TISSUE DISEASE**

SHEEHAN'S SYNDROME see **HYPOPITUITARISM**

SHEEP

Ovine lentivirus lymphoid interstitial pneumonia. Rapid induction in neonatal lambs. Lairmore MD, et al.
Am J Pathol 1986 Oct;125(1):173-81
Sheep-associated outbreak of Q fever, Idaho. Rauch AM, et al. **Arch Intern Med** 1987 Feb;147(2):341-4
An evaluation of pregnancy testing in sheep using a real-time ultrasound scanner. Davey CG. **Aust Vet J** 1986 Oct; 63(10):347-8
Birth injury in a flock of polled Dorset ewes. Wilsmore AJ.
Br Vet J 1986 May-Jun;142(3):233-8
Rambutt—the killer sheep. Murray LA, et al.
Med Sci Law 1987 Apr;27(2):95-7
British sheep still contaminated by Chernobyl fallout [news] Johnston K. **Nature** 1987 Aug 20-26;328(6132):661
Teeth trimming in sheep [letter] Collins TP. **Vet Rec** 1986 Sep 27;119(13):338
Trimming the incisor teeth of sheep: another view. Denholm LJ, et al. **Vet Rec** 1986 Aug 23;119(8):182-4
Religious slaughter [letter] Mews A, et al. **Vet Rec** 1986 Aug 16;119(7):161-2
Sea transport of livestock [letter] Platt C. **Vet Rec** 1986 Aug 16;119(7):163
Religious slaughter [letter] Scott WA. **Vet Rec** 1986 Sep 6; 119(10):255
Feeding lambs by stomach tube [letter] Winter AC.
Vet Rec 1987 Feb 7;120(6):143
[Toxicity and nutritive action of Pharmakhim's sodium monensin in weaned lambs] Iotsev M, et al.
Vet Med Nauki 1987;24(1):49-56 (Eng. Abstr.) **(Bul)**
[Sheep raising in the farming industry] Burgkart M.
Tierarztl Prax 1986;14(3):337-41 (Eng. Abstr.) **(Ger)**
[Endangered domestic animal breeds in German-speaking countries. III. Sheep] Sambraus HH. **Tierarztl Prax** 1987; 15(1):11-6 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Analysis of individual, intraspecific and interspecific variability in quantitative parameters of caprine tooth enamel structure. Grine FE, et al. **Acta Odontol Scand** 1987 Feb;45(1):1-23
Neurophysiologic more of cutaneous innervation of the external genitalia of the ram. Kirk EJ, et al.
Am J Vet Res 1987 Jul;48(7):1162-6
Ultrastructural morphology of plasma cells in normal ovine hemal lymph nodes. Al-Bagdadi FK, et al.
Anat Histol Embryol 1986 Dec;15(4):344-54
Blood supply of the caudal mediastinal lymph node in sheep. Albertine KH, et al. **Anat Rec** 1985 Jun;212(2):129-31, 154-5
Culture of wool follicle dermal papilla cells from two breeds of sheep. Withers AP, et al. **Arch Dermatol Res** 1986; 279(2):140-2
Functional morphology of the conduction system and the myocardium in the sheep heart as revealed by scanning and transmission electron microscopic analyses. Shimada T, et al. **Arch Histol Jpn** 1986 Aug;49(3):283-95
Localization and somatotopy of sensory cells innervating the extraocular muscles of lamb, pig and cat. Histochemical and electrophysiological investigation. Bortolami R, et al.
Arch Ital Biol 1987 Jan;125(1):1-15
Measurement of histological changes in the cervix of ewes after prolonged exposure to oestrogenic clover or oestradiol-17 beta. Adams NR. **Aust Vet J** 1986 Sep; 63(9):279-82
Anatomy, physiology and pathology of the amniotic and allantoic compartments in the sheep and cow. Wintour EM, et al. **Aust Vet J** 1986 Jul;63(7):216-21
Polymelia in lamb. Hereć S, et al. **Folia Morphol (Warsz)** 1986;45(2):129-31
Relationships between measurements of the renal pelvis and kidney in domestic sheep. Mierzwa A, et al.
Folia Morphol (Warsz) 1986;45(3):236-46
Selection of an animal model for resurfacing hip arthroplasty. Phillips TW, et al. **J Arthroplasty** 1987;2(2):111-7
Changes in sperm surfaces associated with epididymal transit. Hammerstedt RH, et al. **J Reprod Fertil [Suppl]** 1987; 34:133-49 (77 ref.)
Heterogeneous cell types in the corpus luteum of sheep, goats and cattle. O'Shea JD. **J Reprod Fertil [Suppl]** 1987; 34:71-85 (61 ref.)
The afferent innervation of the face of sheep and goats. Carr DH, et al. **Res Vet Sci** 1987 Jul;43(1):113-21
Architecture of sheep haemal nodes. Gargiulo AM, et al.
Res Vet Sci 1987 May;42(3):280-6
A laboratory method for studying tooth mobility of the mandibular central incisor of the sheep. Moxham BJ, et al. **Res Vet Sci** 1987 Jan;42(1):61-4
Scanning electron microscopy of the wall of the ovine cervix uteri in relation to tensile strength at parturition. Owiny JR, et al. **Res Vet Sci** 1987 Jul;43(1):36-43
The ependyma of sheep. III. The third cerebral ventricle. Rajtová V. **Z Mikrosk Anat Forsch** 1986;100(6):950-60
The ependyma of sheep. II. The lateral cerebral ventricle. Rajtová V. **Z Mikrosk Anat Forsch** 1986;100(4):628-38
[Orthology of the epiphysis cerebri in sheep (Ovis aries L.)] Gutte G. **Arch Exp Veterinarmed** 1986 Nov;40(6):849-54 (Eng. Abstr.) **(Ger)**
[Function and topography of an endogenous lectin in sperm of the boar, bull and ram] Friess AE, et al.
Berl Munch Tierarztl Wochenschr 1986 Oct 1;99(10):338-42 (Eng. Abstr.) **(Ger)**
[The fine structure of the nucleus ambiguus and the spinal accessory nucleus] Stömer R, et al.
Schweiz Arch Tierheilkd 1987 Feb;129(2):75-86 (Eng. Abstr.) **(Ger)**
[The fine structure of the fibrous substratum of the conjunctival epithelium of sheep and goats] Weyrauch KD, et al. **Schweiz Arch Tierheilkd** 1987 Feb;129(2):95-103 (Eng. Abstr.) **(Ger)**
[Ultrastructure of frozen and thawed ram sperm] Zibrín M, et al. **Vet Med (Praha)** 1987 Mar;32(3):171-80 (Eng. Abstr.) **(Slo)**

BLOOD

Technique for repeated collection of blood that has just perfused the pineal gland of sheep. Colombo G, et al.
Am J Vet Res 1987 Jul;48(7):1126-8
Regulation of murine macrophage phagocytosis of sheep erythrocytes by T-2 toxin. Corrier DE, et al.
Am J Vet Res 1987 Aug;48(8):1304-7
Effect of insulin on gluconeogenesis and the metabolism of lactate in sheep. Brockman RP, et al.
Can J Physiol Pharmacol 1986 Aug;64(8):1055-9
Hemotypes in Spanish sheep breeds. Ordás JG, et al.
Comp Biochem Physiol [A] 1986;85(1):73-6
Metabolism of exogenous androgens in rams and wethers: differential clearance rates. Rhodes RC 3d, et al.
Comp Biochem Physiol [A] 1986;85(3):579-81
Sheep haemopexin: immunological cross-reactivity with other vertebrate sera and evidence for the absence of haemopexin in some mouflon. Stratil A.
Comp Biochem Physiol [B] 1987;86(1):113-6
Plasma somatotropin response to exogenous growth hormone releasing factor in lambs. Kensinger RS, et al.
J Anim Sci 1987 Apr;64(4):1002-9
Season influences FSH concentration in ovariectomized Ile-de-France ewes. Montgomery GW, et al.
J Reprod Fertil 1987 May;80(1):271-7
Metabolic clearance and plasma appearance rates of catecholamines in preterm and term fetal sheep. Padbury JF, et al. **Pediatr Res** 1986 Oct;20(10):992-5
Plasma free and total iodothyronine levels in the newborn lamb. Physiological considerations. Cabello G, et al.
Reprod Nutr Dev 1986;26(6):1281-8
Effects of food restriction on cortisol, TSH and iodothyronine concentrations in the plasma of the newborn lamb. Wrutniak C, et al. **Reprod Nutr Dev** 1987;27(3):721-32
A comparison of the effects of electroimmobilisation and, or, shearing procedures on ovine plasma concentrations of beta-endorphin/beta-lipoprotein and cortisol. Jephcott EH, et al. **Res Vet Sci** 1987 Jul;43(1):97-100
Effect of electroimmobilisation on ovine plasma concentrations of beta-endorphin/beta-lipotrophin, cortisol and prolactin. Jephcott EH, et al. **Res Vet Sci** 1986 Nov;41(3):371-7
Seasonal variations in plasma phosphorus levels of transhumant sheep in Kordofan, Sudan. Cook RH, et al.
Trop Anim Health Prod 1987 Feb;19(1):57-62
Blood selenium concentrations of sheep and goats from selected areas of Kenya. Mbwiria SK, et al.
Trop Anim Health Prod 1986 Aug;18(3):159-65
The use of a bovine plasma progesterone ELISA kit to

measure progesterone in equine, ovine and canine plasmas. Eckersall PD, et al. **Vet Rec** 1987 Jan 3;120(1):5–8

Assessment of pregnancy in sheep by analysis of plasma progesterone using an amplified enzyme immunoassay technique. McPhee IM, et al. **Vet Rec** 1987 Jul 18; 121(3):63–5

Xylose absorption in adult sheep and associated kinetics. Ergene N, et al. **Zentralbl Veterinarmed [A]** 1986 Sep; 33(7):556–60

[Hematological changes in sheep during neuroleptanalgesia with droperidol and fentanyl] Golemanov D, et al. **Vet Med Nauki** 1986;23(6):59–65 (Eng. Abstr.) **(Bul)**

[Effect of levamisole on the cytochemical function of leukocytes and on blood lysozyme in sheep] Goranov Kh, et al. **Vet Med Nauki** 1987;24(2):72–6 (Eng. Abstr.) **(Bul)**

[Variation factors in the hematocrit and the number of red cells in the Zaïan sheep breed from Morocco] Cabaret J, et al. **Acta Cient Venez** 1986;37(1):79–82 (Eng. Abstr.) **(Fre)**

[Disjunction between the daily duration of light and the plasma level of prolactin under hyperlong days in rams] Ravault JP, et al. **C R Acad Sci [III]** 1986;303(14):629–31 (Eng. Abstr.) **(Fre)**

[Preliminary trial of in vitro assessment of the plasma activity from an albendazole-treated ewe on the protoscolex of Echinococcus polymorphus] Dargouth MA, et al. **Tunis Med** 1986 Apr;64(4):339–42 (Eng. Abstr.) **(Fre)**

[Urea utilization in growing lambs. 4. N balances with unprocessed rations] Ulbrich M, et al. **Arch Tierernahr** 1986 Aug;36(8):697–707 (Eng. Abstr.) **(Ger)**

[Organ distribution pattern and plasma half-life times of diagnostically important enzymes in the sheep] Bickhardt K. **Berl Munch Tierarztl Wochenschr** 1987 May 1; 100(5):152–5 (Eng. Abstr.) **(Ger)**

[Biochemical indicators of the blood of domestic animals exposed to fluorine compounds in the environment] Hlyńczak AJ, et al. **Folia Med Cracov** 1987;28(1–2):89–96 (Eng. Abstr.) **(Pol)**

[Interaction of sheep haptoglobin with trypsin inhibitors] Beisembaeva RU, et al. **Biokhimiia** 1987 May;52(5):777–81 (Eng. Abstr.) **(Rus)**

[Interaction between copper and zinc in sheep parenterally treated with zinc oxide] Bíreš J. **Vet Med (Praha)** 1987 Feb;32(2):105–11 (Eng. Abstr.) **(Slo)**

[Use of sheep erythrocytes and plasma for the determination of neuroparalytic substances in vitro] Ništiarová A, et al. **Vet Med (Praha)** 1987 Jun;32(6):365–9 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Plasma adrenocorticotropic hormone and cortisol and adrenal blood flow during sustained hypoxemia in fetal sheep. Challis JR, et al. **Am J Obstet Gynecol** 1986 Dec; 155(6):1332–6

Norepinephrine regulation of fetal heart rate: multiple mechanisms of action. Cheung CY, et al. **Am J Obstet Gynecol** 1987 May;156(5):1254–9

Decreased urine production in the near-term fetal lamb after maternal ethanol infusion. Clarke DW, et al. **Am J Obstet Gynecol** 1987 May;156(5):1273–4

Renal effects of ovine fetal arginine vasopressin secretion in response to maternal hyperosmolality. Ervin MG, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1341–7

The effect of severing the spinal cord of fetal lambs on length of gestation. Nowak RA, et al. **Am J Obstet Gynecol** 1987 Aug;157(2):464–7

Fetal oxygen extraction: comparison of the human and sheep. Rurak D, et al. **Am J Obstet Gynecol** 1987 Feb;156(2):360–6

Effects of thyrotropin-releasing hormone in the fetal lamb. Umans JG, et al. **Am J Obstet Gynecol** 1986 Dec; 155(6):1266–71

Protein synthesis during hypoxia in fetal lambs. Milley JR. **Am J Physiol** 1987 Apr;252(4 Pt 1):E519–24

Thresholds for physiological effects of plasma catecholamines in fetal sheep. Padbury JF, et al. **Am J Physiol** 1987 Apr; 252(4 Pt 1):E530–7

Growth of the fetal sheep small intestine [published erratum appears in Growth 1986 Autumn;50(3):418] Trahair JF, et al. **Growth** 1986 Summer;50(2):201–16

Production of ovine chimeras by inner cell mass transplantation. Butler JE, et al. **J Anim Sci** 1987 Jul; 65(1):317–24

Production of sheep-goat chimeras by inner cell mass transplantation. Polzin VJ, et al. **J Anim Sci** 1987 Jul; 65(1):325–30

Acetyl-CoA carboxylase of sheep adipose tissue: problems of the assay and adaptation during fetal development. Vernon RG, et al. **J Anim Sci** 1986 Oct;63(4):1119–25

Histogenesis of the ovine uterus. Wiley AA, et al. **J Anim Sci** 1987 Apr;64(4):1262–9

The relationship between fetal breathing movements and prostaglandin E2 during ACTH-induced labour in sheep. Patrick J, et al. **J Dev Physiol** 1987 Jun;9(3):287–93

Effects of maternal indomethacin administration on fetal breathing movements in sheep. Patrick J, et al. **J Dev Physiol** 1987 Jun;9(3):295–300

An anatomic basis for fetal right ventricular dominance and arterial pressure sensitivity. Pinson CW, et al. **J Dev Physiol** 1987 Jun;9(3):253–69

Effect of an inhibitor of 3 beta-hydroxysteroid dehydrogenase on progesterone concentrations and embryo survival in sheep. Ashworth CJ, et al. **J Endocrinol** 1987 Feb;112(2):205–13

Relation between metabolic rate and body size in the ovine fetus. Bell AW, et al. **J Nutr** 1987 Jun;117(6):1181–6

Detection of histocompatibility-Y antigen: identification of sex of pre-implantation ovine embryos. White KL, et al. **J Reprod Immunol** 1987 Jan;10(1):27–32

Effect of intravenous 5-hydroxytryptophan on hypothalamic concentration of norepinephrine, dopamine, serotonin and hydroxyindole acetic acid in the fetal lamb. Richards GE, et al. **Life Sci** 1987 May 18;40(20):2001–5

Leucine disposal and oxidation rates in the fetal lamb. van Veen LC, et al. **Metabolism** 1987 Jan;36(1):48–53

GENETICS

Transferrin variants in sheep: separation and characterization by polyacrylamide gel electrophoresis and isoelectric focusing. Erhardt G. **Anim Genet** 1986;17(4):343–52

Genetic variations in blood proteins within and between Spanish dairy sheep breeds. Ordás JG, et al. **Anim Genet** 1986;17(3):255–66

Sheep wool (glycine + tyrosine)-rich keratin genes. A family of low sequence homology. Kuczek ES, et al. **Eur J Biochem** 1987 Jul 1;166(1):79–85

Genetic organization of the ovine MHC class II region. Scott PC, et al. **Immunogenetics** 1987;25(2):116–22

Reproduction in Javanese sheep: evidence for a gene with large effect on ovulation rate and litter size. Bradford GE, et al. **J Anim Sci** 1986 Aug;63(2):418–31

The crossbred sire: experimental results for sheep. Leymaster KA. **J Anim Sci** 1987 Jul;65(1):110–6 (29 ref.)

Fox colors in relation to colors in mice and sheep. Adalsteinsson S, et al. **J Hered** 1987 Jul-Aug;78(4):235–7

Distribution of heterozygous translocations and aneuploid spermatocyte frequency in domestic sheep. Stewart-Scott IA, et al. **J Hered** 1987 Jan-Feb;78(1):37–40

Electron spin resonance spectrometrical study of the melanins in the wool of some North European sheep in relation to their color inheritance. Vsevolodov EB, et al. **J Hered** 1987 Mar-Apr;78(2):120–2

Ovarian follicular activity in Booroola lambs with and without a fecundity gene. McNatty KP, et al. **J Reprod Fertil** 1987 Jan;79(1):57–66

Frequency of chromosomal abnormalities in embryos from superovulated merino ewes. Murray JD, et al. **J Reprod Fertil** 1986 Nov;78(2):433–7

Polyploid cells in blastocysts and early fetuses from Australian Merino sheep. Murray JD, et al. **J Reprod Fertil** 1986 Nov;78(2):439–46

GROWTH & DEVELOPMENT

Weight gains of lambs treated with a soluble glass bullet containing cobalt, selenium and copper. Ellis NJ, et al. **Aust Vet J** 1987 Mar;64(3):93–4

The effect of zeranol and testosterone on Merino wethers exposed to highly oestrogenic subterranean clover pasture. Gardner JJ, et al. **Aust Vet J** 1986 Jun;63(6):188–90

Cortisol and growth in sheep [letter] Millward DJ. **Br J Nutr** 1987 Jan;57(1):157–8

Carbonic anhydrase activity in the blood of adult sheep, fetal sheep and lambs. Holland RA, et al. **Comp Biochem Physiol [A]** 1987;86(4):673–7

Evaluation of alfalfa-corn cob associative action. II. Comparative tests of alfalfa hay as a source of ruminal degradable protein. Brandt RT Jr, et al. **J Anim Sci** 1986 Sep;63(3):902–10

Evaluation of alfalfa-corn cob associative action. I. Interactions between alfalfa hay and ruminal escape protein on growth of lambs and steers. Brandt RT Jr, et al. **J Anim Sci** 1986 Sep;63(3):894–901

Effect of sulfur fertilization on chemical composition, ensiling characteristics and utilization of corn silage by lambs. Buttrey SA, et al. **J Anim Sci** 1986 Oct;63(4):1236–45

Postweaning performance and carcass characteristics of crossbred ewe lambs produced in accelerated or annual lambing systems. Jenkins TG. **J Anim Sci** 1986 Oct; 63(4):1063–71

Effects of varying zinc concentrations on quality of alfalfa for lambs. Reid RL, et al. **J Anim Sci** 1987 Jun; 64(6):1735–42

An analysis of body weights and maturing patterns in western range ewes. Stobart RH, et al. **J Anim Sci** 1986 Sep; 63(3):729–40

Effects of growth rate and compensatory growth on body composition in lambs. Turgeon OA Jr, et al. **J Anim Sci** 1986 Sep;63(3):770–80

Effect of nutrition and immunization against somatostatin on growth and insulin-like growth factors in sheep. Bass JJ, et al. **J Endocrinol** 1987 Jan;112(1):27–31

Conduction velocity in peripheral nerve of foetal, newborn and adult sheep. Loke JC, et al. **Neurosci Lett** 1986 Nov 21;71(3):317–22

Maturation of luteinizing hormone-releasing hormone (LHRH) and somatostatin (SRIF) neuronal systems in the hypothalamus of growing ewe lambs. Polkowska J, et al. **Reprod Nutr Dev** 1987;27(3):627–39

Perinatal development of the small intestine of the sheep. Trahair JF, et al. **Reprod Nutr Dev** 1986;26(6):1255–63

IMMUNOLOGY

Antibodies to Borrelia spirochetes in sera from Swedish cattle and sheep. Hovmark A, et al. **Acta Vet Scand** 1986; 27(4):479–85

Rift Valley fever surveillance in mobile sheep flocks in the Nile Delta. Allam IH, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1055–60

Identification of bluetongue virus protein-specific antibody responses in sheep by immunoblotting. Adkison MA, et al. **Am J Vet Res** 1987 Aug;48(8):1194–8

Seroreactivity of Peruvian sheep and goats to small ruminant lentivirus-ovine progressive pneumonia virus. Madewell BR, et al. **Am J Vet Res** 1987 Mar;48(3):372–4

Enzyme-linked immunosorbent assay for detection of antibodies to Rift Valley fever virus in ovine and bovine sera. Meegan JM, et al. **Am J Vet Res** 1987 Jul; 48(7):1138–41

Agglutination of sheep erythrocyte-rabbit antibody complexes treated with sheep serum by a rabbit antiserum specific for the third component (C3) of sheep complement. Jonas W, et al. **Arch Immunol Ther Exp (Warsz)** 1986; 34(5–6):577–82

Selection of injection technique for the intraperitoneal vaccination of merino sheep. Paton M, et al. **Aust Vet J** 1986 Nov;63(11):383–4

Cytochemical identification of lymphocytes and other mononuclear cells in ovine and bovine hemal nodes. Ceccarelli P, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):297–302

T and B peripheral blood lymphocytes in normal and lymphocytotic sheep. Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(2):141–7

Mitotic rate maturation in the Peyer's patches of fetal sheep and in the bursa of Fabricius of the chick embryo. Reynolds JD. **Eur J Immunol** 1987 Apr;17(4):503–7

Circulation of mosquito-borne viruses in large-scale sheep farms in eastern Slovakia. Juřicová Z, et al. **Folia Parasitol (Praha)** 1986;33(3):285–8

The secondary immune response to Staphylococcus aureus vaccines in efferent popliteal lymph of sheep. Kerlin RL, et al. **Immunology** 1987 Feb;60(2):295–301

Four antigens expressed on most ovine cell types. Maddox JF, et al. **Immunology** 1986 Dec;59(4):631–2

Numbers and phenotype of lymphocytes emigrating from sheep bone marrow after in situ labelling with fluorescein isothiocyanate. Pabst R, et al. **Immunology** 1986 Oct; 59(2):217–22

Effect of cyclophosphamide on immune response of sheep against attenuated sheep pox virus. Prasad G, et al. **Indian J Exp Biol** 1986 Nov;24(11):692–3

Preparation of & comparison between whole cell & sonicated sheep brain antirabies vaccine. Mehta VK, et al. **Indian J Med Res** 1986 Oct;84:348–52

Inheritance of active and acquired immunity traits in sheep. Berggren-Thomas PL, et al. **J Anim Sci** 1987 May; 64(5):1302–12

Serological tests for detecting Rift Valley fever viral antibodies in sheep from the Nile Delta. Scott RM, et al. **J Clin Microbiol** 1986 Oct;24(4):612–4

Characterization of two mouse myeloma X sheep lymphocyte cell lines secreting sheep antibody. Beh KJ, et al. **Mol Immunol** 1986 Jul;23(7):717–24

Copper and disease resistance in sheep: a rare natural confirmation of interaction between a specific nutrient and infection. Suttle NF, et al. **Proc Nutr Soc** 1986 Sep; 45(3):317–25

The distribution of vasoactive intestinal polypeptide-like, substance P-like and bombesin-like immunoreactivity in the digestive system of the sheep. Wathuta EM. **Q J Exp Physiol** 1986 Oct;71(4):615–31

Responses of cattle, sheep and poultry to a recombinant vaccinia virus expressing a swine influenza haemagglutinin. Boyle DB, et al. **Res Vet Sci** 1986 Jul;41(1):40–4

Bronchoalveolar lavage of the live anaesthetised sheep. Burrells C, et al. **Res Vet Sci** 1987 Jan;42(1):109–12

Monoclonal antibodies against ovine IgA purified from lung lavage fluid. Chin JC, et al. **Res Vet Sci** 1986 Jul;41(1):102–7

Identification of immunoreactive membrane antigens of Brucella ovis by ELISA profiling. Chin JC, et al. **Res Vet Sci** 1986 Jul;41(1):1–6

Variations in immunoglobulin isotype produced during the antibody response to Brucella abortus and Staphylococcus aureus vaccines in sheep. Kerlin RL, et al. **Res Vet Sci** 1986 Sep;41(2):191–5

Passive protection of sheep against capripoxvirus. Kitching RP. **Res Vet Sci** 1986 Sep;41(2):247–50

Isolation and purification of a Thy-1-like glycoprotein from sheep brain and its distribution in ovine tissues. Sheldrake RF, et al. **Res Vet Sci** 1987 May;42(3):358–64

Production and characterization of monoclonal antibodies specific for sheep IgG subclasses IgG1 or IgG2. Beh KJ. **Vet Immunol Immunopathol** 1987 Feb;14(2):187–96

Lymphocyte localization in lymph nodes of pubescent, prepartum, and postpartum sheep. Harp JA, et al. **Vet Immunol Immunopathol** 1987 Jul;15(4):297–310

Monoclonal antibodies to sheep MHC class I and class II molecules: biochemical characterization of three class I gene products and four distinct subpopulations of class II molecules. Puri NK, et al. **Vet Immunol Immunopathol** 1987 May;15(1–2):59–86

Selenium supplementation in lambs: effects on antibody responses to a salmonella vaccine. Finch JM, et al. **Vet Rec** 1986 Oct 25;119(17):430–1

Injection site reactions and antibody responses in sheep and

goats after the use of multivalent clostridial vaccines. Green DS, et al. **Vet Rec** 1987 May 2;120(18):435–9

[Rapid and reproducible method for determining the primary antibody response to sheep erythrocytes] Dimitrov V, et al. **Eksp Med Morfol** 1986;25(3):38–42 (Eng. Abstr.) **(Bul)**

[Genetics of the immune response of Karakul sheep immunized with E. coli and Salmonella vaccines. An analysis of the intensity of the immune response in 2d-generation and reverse-cross hybrids] Dushanov AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):80–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Somatostatin cells in the gastric mucosa of small ruminants. Immunohistochemical study. Weyrauch KD, et al. **Acta Anat (Basel)** 1987;128(3):188–93

Pharmacokinetics of sulfaphenazole in sheep. Odegaard SA. **Acta Vet Scand** 1986;27(2):243–9

Local cerebral glucose utilization in fetal sheep exposed to noise. Abrams RM, et al. **Am J Obstet Gynecol** 1987 Aug; 157(2):456–60

Quantitation of phosphorus excretion in sheep by compartmental analysis. Schneider KM, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R720–31

Pharmacokinetics of selenium administered parenterally at toxic doses in sheep. Blodgett DJ, et al. **Am J Vet Res** 1987 Mar;48(3):530–4

Effects of dose and duration of therapy on gentamicin tissue residues in sheep. Brown SA, et al. **Am J Vet Res** 1986 Nov;47(11):2373–9

Pharmacokinetic evaluation of a slow-release cefotaxime suspension in the dog and in sheep. Guerrini VH, et al. **Am J Vet Res** 1986 Sep;47(9):2057–61

Urea and glucose formation in ovine liver after ammonia and lactate loading in vivo. Barej W, et al. **Ann Rech Vet** 1987;18(1):29–34

Sulphate/molybdate interactions: in vivo and in vitro studies on the group VI oxyanion transport system in ovine renal tubule epithelial cells. Ryan J, et al. **Ann Rech Vet** 1987; 18(1):47–55

Respiratory physiology of fish, amphibian, and mammalian sperm. Van der Horst G. **Arch Androl** 1986;17(2):161–4

Description and function of an open-circuit respiration plant for pigs and small ruminants and the techniques used to measure energy metabolism. Aguilera JF, et al. **Arch Tierernahr** 1986 Nov;36(11):1009–18

Effect of defaunation and refaunation of the rumen on rumen fermentation and N-flow in the duodenum of sheep. Kayouli C, et al. **Arch Tierernahr** 1986 Sep;36(9):827–37

Dynamics of enzymatic activity development in the adherent rumen microflora. Kmet V, et al. **Arch Tierernahr** 1986 Jul;36(7):621–8

Metal pollution in a salt marsh and its effect on sheep. Baars AJ, et al. **Arch Toxicol [Suppl]** 1986;9:410–3

Metabolism of valine and the exchange of amino acids across the hind-limb muscles of fed and starved sheep. Teleni E, et al. **Aust J Biol Sci** 1986;39(4):379–93

Development of a sheep hind-limb muscle preparation for metabolic studies. Teleni E, et al. **Aust J Biol Sci** 1986; 39(3):271–81

An omaso-abomasal cannula used to assess efflux from the omasum of sheep. McSweeney CS. **Aust Vet J** 1986 Oct; 63(10):332–4

Protein synthesis and growth in the gastrointestinal tract of the young preruminant lamb. Attaix D, et al. **Br J Nutr** 1987 Jul;58(1):159–69

The effect of the beta-2-adrenergic agonist clenbuterol or implantation with oestradiol plus trenbolone acetate on protein metabolism in wether lambs. Bohorov O, et al. **Br J Nutr** 1987 Jan;57(1):99–107

Vitamin E kinetics in sheep. Hidiroglou M, et al. **Br J Nutr** 1987 Jul;58(1):113–25

Absorption and secretion of 65Zn in the stomach and intestinal tract of sheep exchanging digesta via duodenal re-entrant cannulas. Ivan M. **Br J Nutr** 1987 May; 57(3):479–88

Effect of different levels of phosphorus on rumen microbial fermentation and synthesis determined using a continuous culture technique. Komisarczuk S, et al. **Br J Nutr** 1987 Mar;57(2):279–90

Effects of sodium intake during two parities on Na status in blackface sheep. Vincent IC, et al. **Br J Nutr** 1987 May; 57(3):447–55

The effect of condensed tannins on the site of digestion of amino acids and other nutrients in sheep fed on Lotus corniculatus L. Waghorn GC, et al. **Br J Nutr** 1987 Jan; 57(1):115–26

The distribution of selenium in the tissues of lambs following intramuscular administration of different levels of sodium selenite. McMurray CH, et al. **Br Vet J** 1987 Jan–Feb; 143(1):51–8

Effects of estradiol and progesterone on the gonadotropin-releasing hormone (GnRH)-immunoreactive neuronal system of the anestrous ewe. Glass JD, et al. **Brain Res** 1986 Sep 3;381(2):336–44

Studies on the absorption of sodium and chloride from the rumen of sheep. Martens H, et al. **Comp Biochem Physiol [A]** 1987;86(4):653–6

Unilateral orchidectomy of ram lambs: acute, chronic and hCG-stimulated androgen levels. Rhodes RC 3d, et al. **Comp Biochem Physiol [A]** 1987;87(3):627–30

Absorption of electrolytes and water by the jejunum and colon in milk-fed lambs. Scharrer E, et al. **Comp Biochem Physiol [A]** 1987;86(2):251–4

Copper absorption in sheep. Turner JC, et al. **Comp Biochem Physiol [C]** 1987;86(1):147–50

Phospholipase A2 activity in ram spermatozoa plasma membranes. Hinkovska VT, et al. **Int J Biochem** 1987; 19(6):569–72

The pharmacology of anthelmintics in livestock. Prichard RK. **Int J Parasitol** 1987 Feb;17(2):473–82 (81 ref.)

Some basic properties of sheep liver cAMP-dependent protein kinase. Javed MH, et al. **Ital J Biochem** 1986 Jul–Aug;35(4):221–31

Evaluation of alfalfa-corn cob associative action. III. The effect of mechanically separated alfalfa fractions on intake, digestibility and ruminal characteristics of ammonia-treated corn cob diets fed to sheep. Brandt RT Jr, et al. **J Anim Sci** 1986 Sep;63(3):911–22

Effect of dietary protein level on nitrogen metabolism in lambs: studies using 15N-nitrogen. Bunting LD, et al. **J Anim Sci** 1987 Mar;64(3):855–67

Effect of feeding frequency on forage fiber and nitrogen utilization in sheep. Bunting LD, et al. **J Anim Sci** 1987 Apr;64(4):1170–7

Potassium and lasalocid effects on performance and digestion in lambs. Funk MA, et al. **J Anim Sci** 1986 Sep;63(3):685–91

Effects of dietary monensin and potassium on apparent absorption of magnesium and other macroelements in sheep. Greene LW, et al. **J Anim Sci** 1986 Dec;63(6):1960–7

Effects of potassium on macromineral absorption in sheep fed wheat straw-based diets. Grings EE, et al. **J Anim Sci** 1987 Mar;64(3):872–9

Muscle metabolism and real-time ultrasound measurement of muscle and subcutaneous adipose tissue growth in lambs fed diets containing a beta-agonist. Hamby PL, et al. **J Anim Sci** 1986 Nov;63(5):1410–7

Evaluation of corn fiber, cottonseed hulls, oat hulls and soybean hulls as roughage sources for ruminants. Hsu JT, et al. **J Anim Sci** 1987 Jul;65(1):244–55

Growth, intakes and metabolic responses of artificially reared lambs weaned at 14 d of age. Lane SF, et al. **J Anim Sci** 1986 Dec;63(6):2018–27

Gluconeogenesis in isolated lamb hepatocytes. Looney MC, et al. **J Anim Sci** 1987 Jan;64(1):283–94

Effect of dietary phosphorus and roughage levels on calcium, magnesium and potassium utilization by sheep. Lopes HO, et al. **J Anim Sci** 1986 Dec;63(6):1983–9

Effects of heat and alcohol treatments of soybean meal on nitrogen utilization by sheep. Lynch GL, et al. **J Anim Sci** 1987 Jul;65(1):235–43

Effects of maternal undernutrition during early pregnancy on growth, muscle cellularity, fiber type and carcass composition in lambs. Nordby DJ, et al. **J Anim Sci** 1987 May;64(5):1419–27

Digestibility, intake and mineral utilization of combinations of grasses and legumes by lambs. Reid RL, et al. **J Anim Sci** 1987 Jun;64(6):1725–34

Effect of water restriction and dietary sodium on nutrient metabolism in lambs. Toha M, et al. **J Anim Sci** 1987 Apr; 64(4):1235–40

Digestibility and rate of passage by lambs of water-stressed alfalfa. Undersander DJ, et al. **J Anim Sci** 1987 Jun; 64(6):1813–20

Enzymes of glucose and fatty acid metabolism of liver, kidney, skeletal muscle, adipose tissue and mammary gland of lactating and non-lactating sheep. Vernon RG, et al. **J Anim Sci** 1987 May;64(5):1395–411

Effect of acid and alkali treatment of soybean meal on nitrogen utilization by ruminants. Waltz DM, et al. **J Anim Sci** 1986 Sep;63(3):879–87

Characterization of xenobiotic biotransformation in hepatic, renal and gut tissues of cattle and sheep. Watkins JB 3d, et al. **J Anim Sci** 1987 Jul;65(1):186–95

Interlobular distribution of hepatic xenobiotic-metabolizing enzyme activities in cattle, goats and sheep. Wisniewski JA, et al. **J Anim Sci** 1987 Jan;64(1):210–5

The effects of corn silage dry matter content and sodium bicarbonate addition on nutrient digestion and growth by lambs and calves. Worley RR, et al. **J Anim Sci** 1986 Dec; 63(6):1728–36

Effects of variation of dietary sulfur on movement of sulfur in sheep rumen. Kandylis K, et al. **J Dairy Sci** 1987 Jan; 70(1):40–9

Effects of ethanol, heat, and lipid treatment of soybean meal on nitrogen utilization by ruminants. Lynch GL, et al. **J Dairy Sci** 1987 Jan;70(1):91–7

Quantification of progesterone binding in mammary tissue of pregnant ewes. Smith JJ, et al. **J Dairy Sci** 1987 Jun; 70(6):1178–85

Characterization of particle-associated choriomammotrophin and progesterone in ovine placentomes. Rice GE, et al. **J Endocrinol** 1986 Nov;111(2):217–23

Metabolic fate and elimination in milk, urine and bile of deoxynivalenol following administration to lactating sheep. Prelusky DB, et al. **J Environ Sci Health [B]** 1987 Apr; 22(2):125–48

Amino acid requirements and biological value of proteins for sheep. Asplund JM. **J Nutr** 1987 Jul;117(7):1207–11

Alfalfa saponins affect site and extent of nutrient digestion in ruminants. Lu CD, et al. **J Nutr** 1987 May;117(5):919–27

Assessment of sheep blastocyst effects on neutral lipids in the uterine caruncular epithelium. Boshier DP, et al. **J Reprod Fertil** 1987 Mar;79(2):569–73

Immunogold co-localization of ovine placental lactogen and the antigen recognized by the SBU-3 monoclonal antibody in sheep placental granules. Lee CS, et al. **J Reprod Fertil** 1986 Nov;78(2):653–62

Photoperiodic history and a changing melatonin pattern can determine the neuroendocrine response of the ewe to daylength. Robinson JE, et al. **J Reprod Fertil** 1987 May; 80(1):159–65

Control of GnRH secretion. Clarke IJ. **J Reprod Fertil [Suppl]** 1987;34:1–8 (43 ref.)

Neurotransmitter regulation of luteinizing hormone and prolactin secretion. Dailey RA, et al. **J Reprod Fertil [Suppl]** 1987;34:17–26 (59 ref.)

Regulation of the secretion of FSH in domestic ruminants. Findlay JK, et al. **J Reprod Fertil [Suppl]** 1987;34:27–37 (70 ref.)

Function of the hypothalamic-hypophysial axis during the post-partum period in ewes and cows. Nett TM. **J Reprod Fertil [Suppl]** 1987;34:201–13 (55 ref.)

Luteal peptides and intercellular communication. Schams D. **J Reprod Fertil [Suppl]** 1987;34:87–99 (87 ref.)

Oxytetracycline concentrations in plasma and semen of rams. Immelman A, et al. **J S Afr Vet Assoc** 1986 Jun;57(2):103–4

Superiority of the power function over exponential functions for prediction of renal gentamicin residues in sheep. Brown SA, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):341–6

Pharmacokinetics of aditoprim, a dihydrofolate reductase inhibitor, in sheep. Haenni K, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):169–71

The kinetics of triclabendazole disposition in sheep. Hennessy DR, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):64–72

The pharmacokinetics of ivermectin after oral and subcutaneous administration to sheep and horses. Marriner SE, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):175–9

The pharmacodynamics of the flukicidal salicylanilides, rafoxanide, closantel and oxyclosanide. Mohammed-Ali NA, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):127–33

Uric acid is released in the zona incerta of the subthalamic region of the sheep during rumination and in response to feeding and drinking stimuli. Kendrick KM, et al. **Neurosci Lett** 1986 Oct 8;70(2):272–7

The effect of drinking water temperature in winter on water, magnesium and calcium metabolisms in ewes. Shiga A. **Nippon Juigaku Zasshi** 1986 Oct;48(5):893–9

Placental transfer of calcium to the ovine fetus and its regulation. Care AD. **Proc Nutr Soc** 1987 Jul;46(2):321–9 (33 ref.)

Measurement of blood flow and lipolysis in the hindquarter tissues of the fat-tailed sheep in vivo. Gooden JM, et al. **Q J Exp Physiol** 1986 Oct;71(4):537–47

The effect of potassium and the transmural potential difference on magnesium transport across an isolated preparation of sheep rumen epithelium. Martens H, et al. **Q J Exp Physiol** 1987 Apr;72(2):181–8

A comparison of energy metabolism in the new-born infant, piglet and lamb. Mellor DJ, et al. **Q J Exp Physiol** 1986 Jul;71(3):361–79 (103 ref.)

Autoradiographic localisation of alpha 2 adrenoceptor binding sites in the spinal cord of the sheep. Bouchenafa O, et al. **Res Vet Sci** 1987 May;42(3):382–6

Measurement of volatile fatty acid production rates in sheep given roughage. Bruce LA, et al. **Res Vet Sci** 1987 Jan; 42(1):47–52

Route of passage of cypermethrin across the surface of sheep skin. Jenkinson DM, et al. **Res Vet Sci** 1986 Sep; 41(2):237–41

Effects of intravenously administered tetra-thiomolybdate on the distribution of copper in the liver and kidney of copper loaded sheep: a histochemical study. Kumaratilake JS, et al. **Res Vet Sci** 1987 Mar;42(2):154–61

Histochemical study of the accumulation of copper in the liver of sheep. Kumaratilake JS, et al. **Res Vet Sci** 1987 Jan;42(1):73–81

Safety and effectiveness of cupric oxide particles for increasing liver copper stores in sheep. Suttle NF. **Res Vet Sci** 1987 Mar;42(2):219–23

The cytochromes P-450 concentrations in microsomes of liver, kidney and duodenal mucosa of the camel, sheep and goat. el Shiekh HA, et al. **Vet Hum Toxicol** 1986 Dec; 28(6):527–9

Effect of vitamin D supplementation during pregnancy on the vitamin D status of ewes and their lambs. Smith BS, et al. **Vet Rec** 1987 Feb 28;120(9):199–201

The influence of osmotic pressure, lactic acid and pH on ion and fluid absorption from the washed and temporarily isolated reticulo-rumen of sheep. Gaebel G, et al. **Zentralbl Veterinarmed [A]** 1987 Mar;34(3):220–6

Origin of the low pH values along the proximal duodenum in sheep. Malbert CH, et al. **Zentralbl Veterinarmed [A]** 1987 Jun;34(6):428–38

Urinary orotic acid excretion in hyperammonaemic sheep. I. Effect of portal and peripheral hyperammonaemia. Motyl T, et al. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):522–8

Hepatic capacity for ammonia removal in sheep. Orzechowski A, et al. **Zentralbl Veterinarmed [A]** 1987 Feb; 34(2):108–12

Evidence of high activity carbonic anhydrase in sheep placenta. Szenci O. **Zentralbl Veterinarmed [A]** 1987 Apr; 34(4):314–6

Inhibition of chloride absorption from the sheep rumen by nitrate. Würmli R, et al. **Zentralbl Veterinarmed [A]** 1987

Jun;34(6):476–9
[Urea feeding of sheep on a diet rich in proteins: effects on urinary secretion] Boivin R, et al. **Ann Rech Vet** 1986; 17(1):51–6 (Eng. Abstr.) **(Fre)**
[In vitro study of ionophore antibiotics and various derivatives. I. Action on fermentation products in the rumen] Caffarel-Mendez S, et al. **Reprod Nutr Dev** 1986; 26(6):1295–303 (Eng. Abstr.) **(Fre)**
[Digestion of milk proteins and metabolism of methionine in the newborn lamb] Patureau-Mirand P, et al. **Reprod Nutr Dev** 1987;27(3):649–57 (Eng. Abstr.) **(Fre)**
[Urea utilization by growing lambs. 5. N-balance with half synthetic rations] Baumeier A, et al. **Arch Tierernahr** 1986 Oct;36(10):873–83 (Eng. Abstr.) **(Ger)**
[Nitrogen exchange in the large intestine of ruminants. 4. Exchange and isotope balance of intracecally administered 14C- and 15N-urea in sheep with simultaneous intracecal dose of a partly hydrolyzed straw meal] Bergner H, et al. **Arch Tierernahr** 1986 Nov;36(11):1029–42 (Eng. Abstr.) **(Ger)**
[Nitrogen metabolism in the large intestine of ruminants. 3. Microbial utilization of intracecally administered 14C- and 15N-marked urea in the large intestine of sheep in simultaneous intracecal administration of partially hydrolyzed straw meal] Kijora C, et al. **Arch Tierernahr** 1986 Sep;36(9):839–50 (Eng. Abstr.) **(Ger)**
[The secretion of inorganic phosphorus in the saliva of P-depleted sheep] Breves G, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):42–7 (Eng. Abstr.) **(Ger)**
[Water and electrolyte metabolism in the isolated rumen of sheep after carbonic anhydrase inhibition] Kochanov NE, et al. **Fiziol Zh SSSR** 1986 Oct;72(10):1425–8 (Eng. Abstr.) **(Rus)**
[Renal retention of urea in sheep] Leng L, et al. **Vet Med (Praha)** 1987 Apr;32(4):201–8 (Eng. Abstr.) **(Slo)**
[Endogenous urea in the intestinal tract and its significance in nitrogen metabolism in ruminants] Várady J, et al. **Vet Med (Praha)** 1987 Apr;32(4):195–200 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Prevalence of Histophilus ovis and Actinobacillus seminis in the genital tract of sheep. Walker RL, et al. **Am J Vet Res** 1986 Sep;47(9):1928–30
Quin's oval and other microbiota in the rumens of molasses-fed sheep. Vicini JL, et al. **Appl Environ Microbiol** 1987 Jun;53(6):1273–6
Protein degradation by ruminal microorganisms from sheep fed dietary supplements of urea, casein, or albumin. Wallace RJ, et al. **Appl Environ Microbiol** 1987 Apr;53(4):751–3
Isolates of salmonella and Escherichia coli serotyped at the Salmonella Reference Laboratory in 1984 from veterinary and human sources. Murray CJ. **Aust Vet J** 1986 Jun; 63(6):192–3
Examination of rams culled during an ovine brucellosis accredited free flock scheme. Rothwell JT, et al. **Aust Vet J** 1986 Jul;63(7):209–11
Comparison of methods for routine separation of coagulase-negative staphylococci from micrococci isolated from sheep. de la Fuente R, et al. **Comp Immunol Microbiol Infect Dis** 1986;9(4):347–53
Failure to detect scrapie virus in sheep at slaughter in a highly endemic region of France. Cathala F, et al. **Eur J Epidemiol** 1985 Jun;1(2):90–3
Sulfur influences on rumen microorganisms in vitro and in sheep and calves. Slyter LL, et al. **J Anim Sci** 1986 Dec; 63(6):1949–59
Pithomyces chartarum spore counts in rumen contents and faeces of sheep exposed to autumn pasture at three different grazing pressures. Smith BL, et al. **J Appl Toxicol** 1987 Jun;7(3):179–84
Intracerebral infection of mice with ovine strains of Chlamydia psittaci: an animal screening test for the assay of vaccines. Johnson FW, et al. **J Comp Pathol** 1986 Sep; 96(5):497–505
Antigenic and structural variation of the p28 core polypeptide of goat and sheep retroviruses. McGuire TC, et al. **J Gen Virol** 1987 Aug;68 (Pt 8):2259–63
A possible route for the introduction of Rift Valley fever virus into Egypt during 1977. Gad AM, et al. **J Trop Med Hyg** 1986 Oct;89(5):233–6
Comparison of five ovine isolates of Chlamydia psittaci: an evaluation of three cell culture treatments. Anderson IE. **Med Lab Sci** 1986 Jul;43(3):241–8
Comparison of the external dimensions of capripoxvirus isolates. Kitching RP, et al. **Res Vet Sci** 1986 Nov; 41(3):425–7
Mechanical transmission of capripox virus and African swine fever virus by Stomoxys calcitrans. Mellor PS, et al. **Res Vet Sci** 1987 Jul;43(1):109–12
Colonial, biochemical and serological characteristics of Yersinia species isolated from animals in Nigeria. Agbonlahor DE, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(4):416–22
Shigella from ovine faeces [letter] Chadwick P, et al. **Vet Rec** 1986 Nov 29;119(22):559–60
[Role of rams in the epizootiology of salmonellal abortion in sheep] Vodas K, et al. **Vet Med Nauki** 1986;23(9):61–8 (Eng. Abstr.) **(Bul)**

PARASITOLOGY

Anaplasmosis of small ruminants in Nigeria: incidence and parasite identification through blood smear and latex agglutination test (LAT). Akinboade OA, et al. **Int J Zoonoses** 1986 Sep;13(3):210–4
The role of ciliate protozoa in nutrition of the ruminant. Veira DM. **J Anim Sci** 1986 Nov;63(5):1547–60 (113 ref.)
Quantitative observations on intrapulmonary populations of Muellerius capillaris (Mueller, 1889) Cameron, 1927, in sheep. Polley L. **J Parasitol** 1987 Feb;73(1):234–6
Parasites in sheep grazing on Kikuyu (Pennisetum clandestinum) pastures in the winter rainfall region. Reinecke RK, et al. **Onderstepoort J Vet Res** 1987 Mar; 54(1):27–38
Effect of host resistance on the feeding and reproductive performance of Haemaphysalis punctata and Ixodes ricinus ticks. Alani AJ, et al. **Res Vet Sci** 1987 Mar;42(2):238–43
Spontaneous infections of tick-borne blood parasites in splenectomized indigenous sheep and goats in Ibadan, Nigeria. Majaro OM, et al. **Rev Elev Med Vet Pays Trop** 1986;39(2):189–91
The geographical distribution and animal hosts of Rhipicephalus bursa (Canestrini and Fanzago, 1877) in Israel. Yeruham I, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(2):173–9
[Ecology of the geohelminths of Karakul sheep in the Kyzyl Kum] Matchanov NM, et al. **Parazitologiia** 1987 May-Jun; 21(3):467–71 (Eng. Abstr.) **(Rus)**
[Comparison between the communities of parasitic nematoda of sheep and goats bred in arid zones of Venezuela] Morales G, et al. **Mem Inst Oswaldo Cruz** 1986 Apr-Jun; 81(2):185–90 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Prostaglandin F2 alpha and oxytocin release during persistence of the corpus luteum in sheep. Hooper SB, et al. **Acta Endocrinol (Copenh)** 1987 Aug;115(4):469–77
Reduced ovarian follicular development as a consequence of low body condition in ewes. McNeilly AS, et al. **Acta Endocrinol (Copenh)** 1987 May;115(1):75–83
Electrical and mechanical uterine activity and gap junctions in estrogen-treated oophorectomized sheep. Verhoeff A, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1192–6
An analysis of the characteristics of the electromyogram recorded from the mesometrium in the ovariectomized nonpregnant ewe and its similarities with and differences from the electromyogram obtained from the myometrium: the effect of estrogens. Yarrington G, et al. **Am J Obstet Gynecol** 1986 Dec;155(6):1160–4
Esophageal manometry in horses, cows, and sheep during deglutition. Clark ES, et al. **Am J Vet Res** 1987 Apr; 48(4):547–51
Retrograde flow of spermatozoa into the urinary bladder of rams. Pineda MH, et al. **Am J Vet Res** 1987 Apr;48(4):562–8
An antegrade surgical uterine flush technique for ova collection in the ewe. Smith CL, et al. **Am J Vet Res** 1987 Jul;48(7):1129–31
Thalamic projections to the posterior sylvian and posterior ectosylvian gyri of the sheep brain, revealed with the retrograde transport of horseradish peroxidase. Michaloudi H, et al. **Anat Embryol (Berl)** 1986;175(1):77–90
Effects of mild heat exposure and suppression of prolactin secretion on gastro-intestinal tract function and temperature regulation in sheep. Faichney GJ, et al. **Aust J Biol Sci** 1986;39(1):85–97
Time required for spermatozoa to remain in the vagina of the ewe to ensure conception. Tilbrook AJ, et al. **Aust J Biol Sci** 1986;39(3):305–9
Pattern of loss of spermatozoa from the vagina of the ewe. Tilbrook AJ, et al. **Aust J Biol Sci** 1986;39(3):295–303
Response of sheep to short term restraint by electro-immobilisation [letter] Baxter JR. **Aust Vet J** 1987 Jun;64(6):195
Electro-immobilisation [letter] Rushen J. **Aust Vet J** 1987 Jun;64(6):194–5
Sheep may be more averse to electro-immobilisation than to shearing. Rushen J, et al. **Aust Vet J** 1986 Nov; 63(11):373–4
The functioning in unanaesthetized sheep of the popliteal lymph node after the surgical removal of its blood supply. Hall JG, et al. **Br J Exp Pathol** 1987 Feb;68(1):125–32
Cardiopulmonary effects of xylazine and yohimbine in laterally recumbent sheep. Doherty TJ, et al. **Can J Vet Res** 1986 Oct;50(4):517–21
Factors associated with productivity in Canadian sheep flocks. Doré AC, et al. **Can J Vet Res** 1987 Jan;51(1):39–45
Micropuncture measurement of microvascular pressures in isolated lamb lungs during hypoxia. Raj JU, et al. **Circ Res** 1986 Oct;59(4):398–404
The primary-secondary rumen contraction and gas expulsion in sheep (Ovis aries). Peruzzo de Naville LE, et al. **Comp Biochem Physiol [A]** 1987;87(4):993–1002
Phosphorus-31 nuclear magnetic resonance studies of spermatozoa from the boar, ram, goat and bull. Robitaille PM, et al. **Comp Biochem Physiol [B]** 1987;87(2):285–96
Beta-endorphin secretion in rams related to season and photoperiod. Ebling FJ, et al. **Endocrinology** 1987 Feb; 120(2):809–18
Ovarian function in ewes treated with antihistamines. Halterman SD, et al. **Endocrinology** 1986 Dec; 119(6):2417–21
Opioid peptides and the control of feeding in sheep. Baile CA, et al. **Fed Proc** 1987 Jan;46(1):173–7 (11 ref.)
Effects of tolazoline and yohimbine on xylazine-induced central nervous system depression, bradycardia, and tachypnea in sheep. Hsu WH, et al. **J Am Vet Med Assoc** 1987 Feb 15;190(4):423–6
Follicle stimulating hormone, luteinizing hormone and testicular Leydig cell responses to estradiol immunization in Ile-de-France rams. Schanbacher BD, et al. **J Androl** 1987 Mar-Apr;8(2):97–102
Effect of feed treatment and exogenous estrogen and progestogen on puberty and lambing rates in ewe lambs. Burfening PJ, et al. **J Anim Sci** 1986 Dec;63(6):1717–21
Effects of slaframine on ruminant digestive function: liquid turnover rate and fermentation patterns in sheep and cattle. Froetschel MA, et al. **J Anim Sci** 1987 Apr;64(4):1241–8
Effects of slaframine on ruminant digestive function: ruminal motility in sheep and cattle. Froetschel MA, et al. **J Anim Sci** 1986 Nov;63(5):1502–8
Endocrinology of the postpartum period in the Pelibuey ewe. Gonzalez A, et al. **J Anim Sci** 1987 Jun;64(6):1717–24
Endogenous opioid modulation of luteinizing hormone and prolactin secretion in postpartum ewes and cows. Gregg DW, et al. **J Anim Sci** 1986 Sep;63(3):838–47
Reproductive responses, progesterone profiles and ovarian characteristics of cycling, fine-wool ewes treated with an inhibitor of progesterone synthesis (epostane). Hoefler WC, et al. **J Anim Sci** 1986 Oct;63(4):1072–7
Influence of feeding time and diet on time of parturition in multiparous ewes. Hudgens RE, et al. **J Anim Sci** 1986 Oct;63(4):1036–40
Behavioral, social and psychological factors affecting mating time and breeding efficiency in sheep. Hulet CV. **J Anim Sci** 1966;25 Suppl:5–20
Lambing date and lamb production of spring-mated Rambouillet, Dorset and Finnsheep ewes and their F1 crosses. Iniguez LC, et al. **J Anim Sci** 1986 Sep;63(3):715–28
Lambing performance of Morlam and Dorset ewes under accelerated lambing systems. Iniguez LC, et al. **J Anim Sci** 1986 Dec;63(6):1769–78
Feeding behavior characteristics of intact male lambs as affected by number of lambs in a pen with restricted access to the feed stall. Jenkins TG, et al. **J Anim Sci** 1987 Aug; 65(2):422–30
Effects of alkaline hydrogen peroxide treatment of wheat straw on site and extent of digestion in sheep. Kerley MS, et al. **J Anim Sci** 1986 Sep;63(3):868–78
A comparative study of ovine placental lactogen and prolactin secretion patterns in genetically dissimilar fetal co-twins. Kitts DD, et al. **J Anim Sci** 1987 Jun; 64(6):1696–702
Influence of cottonseed meal supplementation on voluntary intake, ruminal and cecal fermentation, digesta kinetics and serum insulin and growth hormone in mature ewes fed prairie hay. Krysl LJ, et al. **J Anim Sci** 1987 Apr; 64(4):1178–88
Aspects of the antiluteolytic activity of the conceptus during early pregnancy in ewes. Lacroix MC, et al. **J Anim Sci** 1986 Nov;63(5):1449–58
Follicle stimulating hormone pattern and luteal function in ewes receiving bovine follicular fluid during three stages of the estrous cycle. Larson GH, et al. **J Anim Sci** 1987 May;64(5):1491–7
Effects of estradiol-17 beta, naloxone and gonadotropin releasing hormone on postpartum secretion of luteinizing hormone in fall-lambing ewes. Leakakos T, et al. **J Anim Sci** 1987 May;64(5):1484–90
Effects of suckling, progestogen-impregnated pessaries or hysterectomy on ovarian function in autumn-lambing postpartum ewes. Lewis GS, et al. **J Anim Sci** 1987 Jan; 64(1):216–25
Naloxone-reversible inhibition of luteinizing hormone in postpartum ewes: effects of suckling and season. Malven PV, et al. **J Anim Sci** 1987 Jul;65(1):196–202
Voluntary intake, gain, digestibility, rate of passage and gastrointestinal tract fill in tropical and temperate breeds of sheep. Mann DL, et al. **J Anim Sci** 1987 Mar;64(3):880–6
Fostering lambs by odor transfer: the add-on experiment. Martin NL, et al. **J Anim Sci** 1987 May;64(5):1378–83
Role of the uterus in corpus luteum function. Melampy RM, et al. **J Anim Sci** 1968;27 Suppl 1:77–96 (151 ref.)
Comparison of the effects of three methods of harvesting and storing alfalfa on nutrient digestibility by lambs and feedlot performance of steers. Merchen NR, et al. **J Anim Sci** 1986 Oct;63(4):1026–35
Effect of prostaglandin F2 alpha administration on early pregnancy in ewes. Naasz PE, et al. **J Anim Sci** 1987 Apr; 64(4):1127–33
Role of luteinizing hormone in regulating luteal function in ruminants. Niswender GD, et al. **J Anim Sci** 1986;62 Suppl 2:1–13
The voluntary forage intake and nutrition of goats and sheep in the semi-arid tropics of northeastern Brazil. Pfister JA, et al. **J Anim Sci** 1986 Oct;63(4):1078–86
Effect of gestation-lactation diet calcium and zinc levels and of parenteral vitamins A, D and E during gestation on ewe body weight and on lamb weight and survival. Pond WG, et al. **J Anim Sci** 1986 Oct;63(4):1019–25
A comparative study of feeding behavior and digestive function in dairy goats, wool sheep and hair sheep. Quick TC, et al. **J Anim Sci** 1986 Nov;63(5):1516–26
Function of ovine corpora lutea after administration of

luteinizing hormone-releasing hormone. Rahmanian MS, et al. **J Anim Sci** 1987 Feb;64(2):648–55

Changes in metabolic and reproductive characteristics associated with lactation and glucose infusion in the postpartum ewe. Rutter LM, et al. **J Anim Sci** 1986 Aug; 63(2):538–45

Effect of supplementation with concentrates and lasalocid during late pregnancy and lactation on productivity of Rambouillet ewes and development of wool follicles in their lambs. Shetaewi MM, et al. **J Anim Sci** 1987 Aug; 65(2):351–8

Maintenance of the corpus luteum of early pregnancy in the ewe. IV. Changes in luteal sensitivity to prostaglandin F2 alpha throughout early pregnancy. Silvia WJ, et al. **J Anim Sci** 1986 Oct;63(4):1201–7

Effects of plane of nutrition and phenobarbital during the pre-mating period on reproduction in ewes fed differentially during the summer and mated in the fall. Thomas DL, et al. **J Anim Sci** 1987 Apr;64(4):1144–52

Overestimation of sheep lung lymph contamination. Drake RE, et al. **J Appl Physiol** 1986 Oct;61(4):1590–2

Use of a standard forage to reduce effects of animal variation on estimates of mean voluntary intake. Abrams SM, et al. **J Dairy Sci** 1987 Jun;70(6):1235–40

Effects of acute and prolonged exposure to heat on regional blood flows in pregnant sheep. Alexander G, et al. **J Dev Physiol** 1987 Feb;9(1):1–15

Calibration of respiratory inductive plethysmography in spontaneously breathing lambs and piglets. Warren RH, et al. **J Dev Physiol** 1986 Aug;8(4):255–8

Reproductive hormone secretion and spermatogenic function in thyroidectomized rams receiving graded doses of exogenous thyroxine. Chandrasekhar Y, et al. **J Endocrinol** 1986 Nov;111(2):245–53

Peripheral plasma concentrations of pregnenolone sulphate, pregnenolone, progesterone and 20 alpha-hydroxy-4-pregnen-3-one in ewes throughout the oestrous cycle. McKay SA, et al. **J Endocrinol** 1987 May; 113(2):231–7

Endocrine and behavioural factors affecting water balance in sheep subjected to isolation stress. Parrott RF, et al. **J Endocrinol** 1987 Feb;112(2):305–10

Transient increase in prolactin secretion following hypothalamo-pituitary disconnection in ewes during anoestrus and the breeding season. Thomas GB, et al. **J Endocrinol** 1986 Dec;111(3):425–31

Prolonged secretion of prolactin in response to thyrotrophin-releasing hormone after hypothalamo-pituitary disconnection in the ewe. Thomas GB, et al. **J Endocrinol** 1986 Dec;111(3):433–8

Effects of continuous intravenous infusion of an ovine placental extract enriched in placental lactogen on plasma hormones, metabolites and metabolite biokinetics in non-pregnant sheep. Thordarson G, et al. **J Endocrinol** 1987 May;113(2):277–83

Met-enkephalin stimulates secretion of ACTH in sheep. Wang XM, et al. **J Endocrinol** 1986 Dec;111(3):463–7

Effect of long-term infusion of ovine corticotrophin-releasing factor in the immature ovine fetus. Wintour EM, et al. **J Endocrinol** 1986 Dec;111(3):469–75

Intravascular macrophages in the sheep lung. Wheeldon EB, et al. **J Leukocyte Biol** 1986 Nov;40(5):657–61

Effects of the alpha 2-adrenergic agonist clonidine and its antagonist idazoxan on the fetal lamb. Bamford OS, et al. **J Physiol (Lond)** 1986 Dec;381:29–37

Effects of apomorphine and haloperidol in fetal lambs. Bamford OS, et al. **J Physiol (Lond)** 1986 Aug;377:37–47

Brain intracellular pH and metabolism during hypercapnia and hypocapnia in the new-born lamb. Cady EB, et al. **J Physiol (Lond)** 1987 Jan;382:1–14

Lesions in the upper lateral pons abolish the hypoxic depression of breathing in unanaesthetized fetal lambs in utero. Gluckman PD, et al. **J Physiol (Lond)** 1987 Jan; 382:373–83

Inhibition of reticulo-ruminal motility by volatile fatty acids and lactic acid in sheep. Gregory PC. **J Physiol (Lond)** 1987 Jan;382:355–71

A method for studying lymphatic pumping activity in conscious and anaesthetized sheep. McHale NG, et al. **J Physiol (Lond)** 1986 Sep;378:109–18

The role of amiloride-blockable sodium transport in adrenaline-induced lung liquid reabsorption in the fetal lamb. Olver RE, et al. **J Physiol (Lond)** 1986 Jul;376:321–40

Sodium and chloride transport by the tracheal epithelium of fetal, new-born and adult sheep. Olver RE, et al. **J Physiol (Lond)** 1986 Jun;375:377–90

Secretory dynamics of bioactive and immunoactive LH during the oestrous cycle of the sheep. Adams TE, et al. **J Reprod Fertil** 1987 Mar;79(2):555–63

Ovarian features contributing to the variability of PMSG-induced ovulation rate in sheep. Driancourt MA. **J Reprod Fertil** 1987 May;80(1):207–12

Variations in patterns of follicle development in prolific breeds of sheep. Driancourt MA, et al. **J Reprod Fertil** 1986 Nov;78(2):565–75

Hypothalamo-pituitary portal blood concentrations of beta-endorphin during suckling in the ewe. Gordon K, et al. **J Reprod Fertil** 1987 Mar;79(2):397–408

Effects of a luteolytic dose of oestradiol benzoate on uterine oxytocin receptor concentrations, phosphoinositide turnover and prostaglandin F-2 alpha secretion in sheep. Hixon JE, et al. **J Reprod Fertil** 1987 Mar;79(2):457–67

Seasonal reproduction in ewes selected on seasonal changes in wool growth. Montgomery GW, et al. **J Reprod Fertil** 1987 Jan;79(1):207–13

Length of melatonin exposure and onset of ovarian activity in anoestrous ewes. Nowak R, et al. **J Reprod Fertil** 1987 May;80(1):343–7

Overfeeding during early pregnancy reduces peripheral progesterone concentration and pregnancy rate in sheep. Parr RA, et al. **J Reprod Fertil** 1987 May;80(1):317–20

The response of rams and ewes of three breeds to artificial photoperiod. Poulton AL, et al. **J Reprod Fertil** 1987 Mar; 79(2):609–26

Intraruminal soluble glass boluses containing melatonin can induce early onset of ovarian activity in ewes. Poulton AL, et al. **J Reprod Fertil** 1987 May;80(1):235–9

Some effects of epidermal growth factor on reproductive function in Merino sheep. Radford HM, et al. **J Reprod Fertil** 1987 May;80(1):113–8

Photoperiodic history and a changing melatonin pattern can determine the neuroendocrine response of the ewe to daylength. Robinson JE, et al. **J Reprod Fertil** 1987 May; 80(1):159–65

Function of the epididymis in bulls and rams. Amann RP. **J Reprod Fertil [Suppl]** 1987;34:115–31 (65 ref.)

Spermatogenesis and Sertoli cell numbers and function in rams and bulls. Hochereau-de Reviers MT, et al. **J Reprod Fertil [Suppl]** 1987;34:101–14 (80 ref.)

Photoperiodic control of the onset of breeding activity and fecundity in ewes. Kennaway DJ, et al. **J Reprod Fertil [Suppl]** 1987;34:187–99 (37 ref.)

Endocrine regulation of puberty in cows and ewes. Kinder JE, et al. **J Reprod Fertil [Suppl]** 1987;34:167–86 (56 ref.)

Molecular and cellular changes associated with maturation and early development of sheep eggs. Moor RM, et al. **J Reprod Fertil [Suppl]** 1987;34:55–69

Short light cycles induce persistent reproductive activity in Ile-de-France rams. Pelletier J, et al. **J Reprod Fertil [Suppl]** 1987;34:215–26 (36 ref.)

Effect of ivermectin on the reproductive potential of breeding rams. Schröder J, et al. **J S Afr Vet Assoc** 1986 Dec; 57(4):211–3

Some aspects of superovulation and fertilisation of Dorper sheep. Van Zyl JG, et al. **J S Afr Vet Assoc** 1987 Mar; 58(1):3–4

Depression of reticulo-ruminal motor functions through the stimulation of alpha 2-adrenoceptors. Ruckebusch Y, et al. **J Vet Pharmacol Ther** 1987 Mar;10(1):1–10

Elevated plasma levels of pro-opiomelanocortin-derived peptides in sheep following hypothalamo-pituitary disconnection. Clarke IJ, et al. **Neuroendocrinology** 1986; 44(4):508–14

Evidence that opioid peptides and dopamine participate in the suckling-induced release of prolactin in the ewe. Knight PG, et al. **Neuroendocrinology** 1986;44(1):29–35

The reproductive biology of prolific sheep breeds. Bindon BM, et al. **Oxf Rev Reprod Biol** 1986;8:414–51 (119 ref.)

Prenatal androgen exposure and growth and secretion of growth hormone and prolactin in ewes postweaning. Klindt J, et al. **Proc Soc Exp Biol Med** 1987 Jun;185(2):201–5

Concussive methods of pre-slaughter stunning in sheep: assessment of brain function using cortical evoked responses. Daly CC, et al. **Res Vet Sci** 1986 Nov; 41(3):349–52

Concussive methods of pre-slaughter stunning in sheep: effects of captive bolt stunning in the poll position on brain function. Daly CC, et al. **Res Vet Sci** 1986 Nov;41(3):353–5

Comparison between the renal clearance of endogenous creatinine and inulin in the sheep. Farningham DA. **Res Vet Sci** 1986 Nov;41(3):410–1

Cells in temporal cortex of conscious sheep can respond preferentially to the sight of faces [published erratum appears in Science 1987 May 8;236(4802):657] Kendrick KM, et al. **Science** 1987 Apr 24;236(4800):448–50

The pulmonary and systemic response to recurrent endotoxemia in the adult sheep. Demling RH, et al. **Surgery** 1986 Nov;100(5):876–83

Reproduction rate and viability of Merino, Nilagiri and halfbred Merino. II. Age specific replacement rate and net reproduction rate. Mohan M, et al. **Trop Anim Health Prod** 1986 Aug;18(3):177–83

Reproduction rate and viability of Merino, Nilagiri and halfbred Merino. I. Fertility, prolificacy and viability. Mohan M, et al. **Trop Anim Health Prod** 1986 Aug; 18(3):171–6

Ovarian response to PMSG and GnRH in ewes immunised against oestradiol-17 beta. Boland MP, et al. **Vet Rec** 1987 Jun 20;120(25):590–2

Side effects of clenbuterol as a repartitioning agent. Brockway JM, et al. **Vet Rec** 1987 Apr 18;120(16):381–3

Blood pressure in normal sheep [letter] Brockway JM. **Vet Rec** 1987 May 9;120(19):467

Transfer of frozen-thawed embryos in sheep. Heyman Y, et al. **Vet Rec** 1987 Jan 24;120(4):83–5

The effect of experimental copper deficiency on growth, reproduction and haemopoiesis in the sheep [letter] Howell JM. **Vet Rec** 1968 Aug 31;83(9):226–7

Electro-immobilisation of sheep may not reduce the aversiveness of a painful treatment. Rushen J, et al. **Vet Rec** 1987 Jan 10;120(2):37–8

Successful induction of labour in sheep. Silver M. **Vet Rec** 1987 Mar 28;120(13):299–300

Thyroid activity in relation to growth rate and body composition in four breeds of sheep. Lovell R, et al. **Vet Res Commun** 1987;11(3):227–33

Hexamethonium: a probe to assess autonomic nervous system involvement in upper gastrointestinal functions in conscious sheep. Ruckebusch Y, et al. **Vet Res Commun** 1987; 11(3):293–303

Normal values for radial, peroneal and tibial motor nerve conduction velocities in adult sheep, with comparison to adult dogs. Steiss JE, et al. **Vet Res Commun** 1987; 11(3):243–52

Study of osteogenesis in adult sheep on a high and a low calcium ration by means of fluorescing bone markers. van de Braak AE, et al. **Vet Res Commun** 1987;11(2):101–8

Relaxation of ruminal smooth muscle by vasoactive intestinal polypeptide (VIP). Denac M, et al. **Zentralbl Veterinarmed [A]** 1987 Apr;34(4):317–20

Maturational effects on the activation and recuperation ventricular vectors from sheep. Tovar P, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):18–24

Effects of maturational changes upon the orientation of auricular activation vector in sheep. Tovar P, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):13–7

[Effect of selenium and DL-methionine on the zinc and tocopherol content of the seminal fluid in rams] Kaludin I, et al. **Vet Med Nauki** 1986;23(7):41–6 (Eng. Abstr.) **(Bul)**

[Mechanisms of the lactogenic action of thyroid hormones and nonspecific resistance in ruminants] Tomov T, et al. **Vet Med Nauki** 1987;24(4):27–36 (Eng. Abstr.) **(Bul)**

[Transplantation of embryos in sheep breeding] Vlakhov K, et al. **Vet Med Nauki** 1987;24(5):75–9 (Eng. Abstr.) **(Bul)**

[Control of ingestive behavior and rumination by neuropeptides] Buéno L, et al. **Reprod Nutr Dev** 1987; 27(1B):157–69 (36 ref.) (Eng. Abstr.) **(Fre)**

[Note on induced sterilization in the ram in a tropical area] Nielsen M, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(2):195–9 (Eng. Abstr.) **(Fre)**

[The importance of pH value for the estimation of sperm quality and course of estrus for the attainment of good fertilization results. 3. Behavior of the pH value in original and diluted sheep sperm and its relation to rate of pregnancy] Menger H, et al. **Arch Exp Veterinarmed** 1986 Nov;40(6):933–8 (Eng. Abstr.) **(Ger)**

[Photometric estimation of sperm motility] Müller K, et al. **Arch Exp Veterinarmed** 1987 May;41(3):309–22 (Eng. Abstr.) **(Ger)**

[The photometric determination of sperm concentration—a step toward objectivity in sperm estimation procedures] Nehring H, et al. **Arch Exp Veterinarmed** 1987 May; 41(3):301–8 (Eng. Abstr.) **(Ger)**

[Eating and ruminating behavior of sheep. 2. Experiments in pregnant and lactating ewes fed with a straw-concentrate mixture] Dittrich A, et al. **Arch Tierernahr** 1986 Nov;36(11):1043–52 (Eng. Abstr.) **(Ger)**

[Reflection of changes in serotonin synthesis on transcapillary protein exchange and lymph formation] Alnson KhKh, et al. **Fiziol Zh SSSR** 1986 Sep;72(9):1319–23 (Eng. Abstr.) **(Rus)**

[Regulation of milk intake in young ruminants] Kuchár S, et al. **Vet Med (Praha)** 1987 Apr;32(4):219–26 (Eng. Abstr.) **(Slo)**

[The effect of water depletion on renal excretion of urea and electrolytes in sheep] Leng L, et al. **Vet Med (Praha)** 1987 Jun;32(6):371–8 (Eng. Abstr.) **(Slo)**

[Analysis of electrical ventricular systole in sheep. I. Depolarization phenomena] Tovar P, et al. **Zentralbl Veterinarmed [A]** 1986 Jul;33(5):365–72 (Eng. Abstr.) **(Spa)**

[Analysis of the ventricular electrical systole of sheep. II. Repolarization] Tovar P, et al. **Zentralbl Veterinarmed [A]** 1986 Aug;33(6):474–80 (Eng. Abstr.) **(Spa)**

SURGERY

An improved surgical cradle for sheep. Austin ME, et al. **Aust Vet J** 1986 Oct;63(10):346–7

Lung damage following lymph fistula preparation in sheep. Smith L, et al. **J Surg Res** 1987 Feb;42(2):192–7

URINE

[Allantoin excretion of wethers in variations of raw protein and energy administration] Roth FX, et al. **Arch Tierernahr** 1986 Jul;36(7):629–38 (Eng. Abstr.) **(Ger)**

SHEEP DISEASES

Border disease in France. Russo P, et al. **Ann Rech Vet** 1987; 18(1):103–5

Escherichia coli epididymitis in rams. Constable PD, et al. **Aust Vet J** 1987 Apr;64(4):123

Glucose-dose dependent characteristics of insulin secretion in obese and lean sheep. McCann JP, et al. **Endocrinology** 1987 Aug;121(2):553–60

Diethylsuccinate carboxylesterase activity in sheep poisoned by copper. Kelleher CA, et al. **J Comp Pathol** 1987 May; 97(3):329–33

Physiological and microbiological changes in the abomasum

of sheep infected with large doses of Haemonchus contortus. Nicholls CD, et al. **J Comp Pathol** 1987 May; 97(3):299–308

Coccidiosis in sheep and goats. Foreyt WJ. **Vet Hum Toxicol** 1987;29 Suppl 1:60–4 (22 ref.)

Ministry animal health schemes [letter] Imray WS. **Vet Rec** 1986 Dec 20–27;119(25–26):634

[Pulpy kidney in the lamb (letter)] Joubert JP, et al. **J S Afr Vet Assoc** 1987 Mar;58(1):43 **(Afr)**

BLOOD

Plasma oestrone sulphate and progesterone concentrations in cows and ewes associated with fetal death and abortion. Mohamed AR, et al. **Br Vet J** 1987 May–Jun;143(3):238–45

Investigations into the blood plasma profiles of electrolytes, 17 beta-oestradiol and progesterone in sheep suffering from vaginal inversion and prolapse ante partum. Sobiraj A, et al. **Br Vet J** 1986 May–Jun;142(3):218–23

Serum cortisol levels in clinically normal feedlot lambs and clinicopathological features of septicemic pasteurellosis. Suárez–Güemes F, et al. **Rev Latinoam Microbiol** 1986 Jul–Sep;28(3):253–7

The effects of Ipomoea carnea on goats and sheep. Damir HA, et al. **Vet Hum Toxicol** 1987 Aug;29(4):316–9

Clinical, haematological and plasma biochemical changes in specified-pathogen-free (sporozoa) lambs experimentally infected with low numbers of Sarcocystis tenella sporocysts. Phillips PH, et al. **Vet Parasitol** 1987 Apr; 24(1–2):15–23

Albumin and globulin turnover in chronic ovine fascioliasis [letter] Holmes PH, et al. **Vet Rec** 1968 Aug 31;83(9):227–8

Hypocalcaemia in ewes [letter] Prickard DW. **Vet Rec** 1987 Jul 25;121(4):92

Changes in circulating levels of iodothyronines, cortisol and endogenous thiocyanate in sheep during emotional stress caused by isolation of the animals from the flock. Bobek S, et al. **Zentralbl Veterinarmed [A]** 1986 Nov;33(9):698–705

[Results of blood gas analysis in newborn lambs with special reference to neonatal respiratory depression] Busse G, et al. **DTW** 1986 Jul 23;93(7):313–7 (Eng. Abstr.) **(Ger)**

[Serum calcium, inorganic phosphorus and alkaline phosphatase levels in sheep with deformities of the extremities] Rogowska W, et al. **Pol Arch Weter** 1986; 25(4):121–30 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Effect of fluoride ingestion on dental fluorosis in sheep. Milhaud GE, et al. **Am J Vet Res** 1987 May;48(5):873–9

Dieldrin toxicity in housed merino sheep. Glastonbury JR, et al. **Aust Vet J** 1987 May;64(5):145–8

Treatment of induced urea toxicity in sheep. McLennan MW. **Aust Vet J** 1987 Jan;64(1):26–8

Etiology of ammoniated hay toxicosis. Weiss WP, et al. **J Anim Sci** 1986 Aug;63(2):525–32

Acute selenium toxicosis in sheep. Blodgett DJ, et al. **Vet Hum Toxicol** 1987 Jun;29(3):233–6

Methiocarb poisoning in ewes. Ogilvie TW. **Vet Rec** 1986 Oct 18;119(16):407

Xylazine-induced hyperglycaemia and alpha-adrenergic receptors in sheep. Brikas P, et al. **Zentralbl Veterinarmed [A]** 1987 Jan;34(1):58–60

[Clinico-experimental research on acute isoproturon poisoning in sheep] Mikhallov G, et al. **Vet Med Nauki** 1987;24(2):30–5 (Eng. Abstr.) **(Bul)**

[Iatrogenic udder inflammation in sheep (letter)] Oldenkamp EP. **Tijdschr Diergeneeskd** 1987 Jul 15;112(14):871 **(Dut)**

CONGENITAL

Ovine congenital progressive muscular dystrophy: clinical syndrome and distribution of lesions. Richards RB, et al. **Aust Vet J** 1986 Dec;63(12):396–401

DIAGNOSIS

Immunohistochemical diagnosis of toxoplasmosis in fetuses and fetal membranes of sheep. Uggla A, et al. **Am J Vet Res** 1987 Mar;48(3):348–51

Delayed development of clinical signs in sheep affected by Phalaris aquatica staggers. Bourke CA, et al. **Aust Vet J** 1987 Jan;64(1):31–2

A simplified faecal egg count reduction test. Vizard AL, et al. **Aust Vet J** 1987 Apr;64(4):109–11

Synergistic hemolysis-inhibition titers associated with caseous lymphadenitis in a slaughterhouse survey of goats and sheep in Northeastern Brazil. Brown CC, et al. **Can J Vet Res** 1987 Jan;51(1):46–9

Diagnostic sensitivity and specificity of an enzyme-linked immunosorbent assay for the diagnosis of Brucella ovis infection in rams. Cho HJ, et al. **Can J Vet Res** 1987 Jan; 51(1):99–103

Brucellosis in Gujarat State. Panjarathinam R, et al. **Indian J Pathol Microbiol** 1986 Jan;29(1):53–60

An evaluation of the applicability of crossed immunoelectrophoresis in seroepidemiological studies of hydatid disease in livestock. Kagiko MM, et al. **Int J Zoonoses** 1986 Dec;13(4):230–5

Serodiagnosis of Babesia motasi (Wales), Theileria recondita (Wales) and Cytoecetes phagocytophila infection in sheep. Alani AJ, et al. **Res Vet Sci** 1987 Jul;43(1):104–8

Detection of Clostridium perfringens epsilon toxin by ELISA. Naylor RD, et al. **Res Vet Sci** 1987 Mar; 42(2):255–6

Evaluation of a solid-phase immunoassay (DIG-ELISA) for the serodiagnosis of ovine toxoplasmosis. Uggla A, et al. **Vet Immunol Immunopathol** 1987 Apr;14(4):309–18

A method for the interpretation of parasite egg counts in faeces of sheep. Tarazona JM. **Vet Parasitol** 1986 Nov; 22(1–2):113–9

Experimental microcyst sarcocystis infection in lambs: serology and immunohistochemistry. Smith TS, et al. **Vet Rec** 1986 Nov 29;119(22):547–50

Problems in the diagnosis and anticipation of trace element deficiencies in grazing livestock. Suttle NF. **Vet Rec** 1986 Aug 16;119(7):148–52

Clinical and radiographical diagnosis of coenurosis cerebralis in sheep and its surgical treatment. Tirgari M, et al. **Vet Rec** 1987 Feb 21;120(8A):173–8

[Clinical picture and pathomorphology of acute coenuriasis in sheep] Angelov AK, et al. **Vet Med Nauki** 1986; 23(6):19–25 (Eng. Abstr.) **(Bul)**

[Serological and pathomorphological studies of Toxoplasma abortion in sheep] Neikov P. **Vet Med Nauki** 1987; 24(3):38–46 (Eng. Abstr.) **(Bul)**

DRUG THERAPY

Observations on the control of ovine face lice (Linognathus ovillus) with closantel. Butler AR. **Aust Vet J** 1986 Nov; 63(11):371–2

Muscle damage associated with injections of vitamin E in sheep. Dickson J, et al. **Aust Vet J** 1986 Jul;63(7):231–3

Potentiation by parbendazole of the anthelmintic activity of oxfendazole against natural infections of benzimidazole resistant nematodes. Hennessy DR, et al. **Aust Vet J** 1987 Jan;64(1):28–9

A field trial with triclabendazole for the control of fascioliasis. Owen IL. **Aust Vet J** 1987 Feb;64(2):59–61

Use of tiamulin in the elimination of ureaplasmas from sheep. Ball HJ, et al. **Br Vet J** 1986 May–Jun;142(3):258–63

Comparative circulatory effects of isoproterenol, dopamine, and dobutamine in conscious lambs with and without aortopulmonary left-to-right shunts. Toorop GP, et al. **Circulation** 1987 Jun;75(6):1222–8

Mycoplasma californicum mastitis in ewes as an experimental model for antibiotic treatment. Ball HJ, et al. **Epidemiol Infect** 1987 Jun;98(3):369–78

Investigation into the inhibitory effect of flurofamide on animal ureaplasmas and its use in the treatment of ureaplasma-infected sheep. Ball HJ, et al. **J Vet Pharmacol Ther** 1986 Sep;9(3):280–5

Oral treatment of polioencephalomalacia and subclinical thiamine deficiency with thiamine propyl disulphide and thiamine hydrochloride. Thomas KW. **J Vet Pharmacol Ther** 1986 Dec;9(4):402–11

The efficacy of acetamide for the treatment of experimental Dichapetalum cymosum (gifblaar) poisoning in sheep. Egyed MN, et al. **Onderstepoort J Vet Res** 1986 Dec; 53(4):231–4

Two field strains of Haemonchus contortus resistant to rafoxanide. van Wyk JA, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):143–6

Efficacy, toxicity and metabolism of imidocarb dipropionate in the treatment of Babesia ovis infection in sheep. McHardy N, et al. **Res Vet Sci** 1986 Jul;41(1):14–20

Experimental intramuscular inoculation of tylosin in the elimination of ureaplasmas from ewes. Ball HJ, et al. **Vet Rec** 1987 Jun 6;120(23):557–8

Extension of the prepatent period of Fasciola hepatica in infected animals following treatment with triclabendazole. Büscher G, et al. **Vet Rec** 1987 May 9;120(19):460–1

Effect of mode of anthelmintic treatment on rumen short-chain fatty acid concentrations in sheep. Hodgson JC, et al. **Vet Rec** 1987 Jun 6;120(23):553–4

Use of ammonium tetrathiomolybdate in the treatment of copper poisoning in sheep. Humphries WR, et al. **Vet Rec** 1986 Dec 13;119(24):596–8

Flumethrin: a non-stripping pyrethroid dip for the control of sheep scab. Kirkwood AC, et al. **Vet Rec** 1987 Feb 28; 120(9):197–9

Lack of anthelmintic effect of propetamphos used in sheep dip [letter] McKellar QA, et al. **Vet Rec** 1987 Feb 14; 120(7):167–8

Use of deltamethrin 'pour on' for control of the sheep tick Ixodes ricinus. Mitchell GB, et al. **Vet Rec** 1986 Aug 16; 119(7):156–7

An evaluation of the efficacy of netobimin against Dicrocoelium dendriticum in sheep. Sanz F, et al. **Vet Rec** 1987 Jan 17;120(3):57–8

Field trials of triclabendazole against mixed age infections of Fasciola hepatica in sheep and cattle. Stansfield DG, et al. **Vet Rec** 1987 May 9;120(19):459–60

[Use of tribestan on rams with sexual disorders] Dimitrov M, et al. **Vet Med Nauki** 1987;24(5):102–10 (Eng. Abstr.) **(Bul)**

[Pros and cons of anthelmintic treatment of lambing ewes] Jansen J, et al. **Tijdschr Diergeneeskd** 1986 Nov 15; 111(22):1099–103 (Eng. Abstr.) **(Dut)**

[Treatment and prospects for chemoprophylaxis of ovine cowdriosis with a long-acting oxytetracycline] Gueye A, et al. **Rev Elev Med Vet Pays Trop** 1985;38(4):428–32 (Eng. Abstr.) **(Fre)**

[Benzimidazole resistance in Haemonchus contortus in a south German sheep herd] Bauer C, et al. **DTW** 1987 Apr 8;94(4):205–6 (Eng. Abstr.) **(Ger)**

[Effect of a combination of fenbendazole and triclabendazole on naturally acquired helminth infections of sheep] Bauer C, et al. **DTW** 1986 Oct 8;93(9):456–8 (Eng. Abstr.) **(Ger)**

ECONOMICS

The impact on production and mechanisms of pathogenesis of trematode infections in cattle and sheep. Dargie JD. **Int J Parasitol** 1987 Feb;17(2):453–63 (96 ref.)

The cost of Border disease infection in a commercial flock. Sharp MW, et al. **Vet Rec** 1986 Aug 9;119(6):128–30

ENZYMOLOGY

Serum lactate dehydrogenase: clinical significance of alterations in its activity in lambs infected with Dictyocaulus filaria. Bhat TK, et al. **Res Vet Sci** 1987 Jan; 42(1):127–9

[Total LDH activity and isoenzyme spectrum in experimental Cysticercus ovis infestation of lambs and kids] Georgieva D, et al. **Vet Med Nauki** 1987;24(1):28–35 (Eng. Abstr.) **(Bul)**

ETIOLOGY

Cardiovascular lesions in cobalt-vitamin B12 deficient sheep. Mohammed R, et al. **Ann Rech Vet** 1986;17(4):447–50

Pathogenesis and epidemiology of border disease. Nettleton PF. **Ann Rech Vet** 1987;18(2):147–55 (54 ref.)

Pathogenesis of caseous lymphadenitis in sheep and goats. Batey RG. **Aust Vet J** 1986 Sep;63(9):269–72

The nephrotoxicity of Isotropis forrestii in sheep. Cooper TB, et al. **Aust Vet J** 1986 Jun;63(6):178–82

Does Solanum esuriale cause humpyback in sheep? Dunster PJ, et al. **Aust Vet J** 1987 Apr;64(4):119–20

Neurological disease and lipofuscinosis in horses and sheep grazing Trachyandra divaricata (branched onion weed) in south Western Australia. Huxtable CR, et al. **Aust Vet J** 1987 Apr;64(4):105–8

Suspected poisoning of sheep by Anagallis arvensis (scarlet pimpernel). Rothwell JT, et al. **Aust Vet J** 1986 Sep; 63(9):316

Pyrrolizidine alkaloid poisoning of sheep in New South Wales. Seaman JT. **Aust Vet J** 1987 Jun;64(6):164–7

Bracken poisoning in sheep. Sunderman FM. **Aust Vet J** 1987 Jan;64(1):25–6

Brucellosis—cause of abortion in sheep and its public health significance. Mahajan NK, et al. **Int J Zoonoses** 1986 Sep; 13(3):174–9

Flaviviruses in South Africa: pathogenicity for sheep. Barnard BJ, et al. **Onderstepoort J Vet Res** 1986 Dec; 53(4):235–8

Acute water intoxication in sheep in Sudan. Abdelrahim AI, et al. **Rev Elev Med Vet Pays Trop** 1985;38(2):180–4

Effects of Cissus quadrangularis on goats and sheep in Sudan. Barakat SE, et al. **Rev Elev Med Vet Pays Trop** 1985; 38(2):185–94

Death camas poisoning in sheep: a case report. Panter KE, et al. **Vet Hum Toxicol** 1987 Feb;29(1):45–8

Acute mycotoxicosis in sheep: field cases. Suliman HB, et al. **Vet Hum Toxicol** 1987 Jun;29(3):241–3

Pathological features in thymus and thyroids of lambs fed on turnips. Barberan M, et al. **Vet Rec** 1987 Apr 11; 120(15):367–8

Clinical, biochemical and pathological study of perinatal lambs in a commercial flock. Barlow RM, et al. **Vet Rec** 1987 Apr 11;120(15):357–62

Post spongeing infertility in ewes [letter] Daniel NJ. **Vet Rec** 1987 Mar 7;120(10):239

Kangaroo gait [letter] Down JS. **Vet Rec** 1986 Sep 6; 119(10):255

A disease resembling louping-ill in sheep in the Basque region of Spain. Gonzalez L, et al. **Vet Rec** 1987 Jul 4;121(1):12–3

An investigation into the aetiology of 'wool slip': alopecia in ewes which are housed and shorn in winter. Morgan KL, et al. **Vet Rec** 1986 Dec 20–27;119(25–26):621–5

Suspected privet poisoning [letter] Parkinson SC. **Vet Rec** 1986 Nov 8;119(19):483–4

Copper deficiency in ruminants; recent developments. Suttle NF. **Vet Rec** 1986 Nov 22;119(21):519–22

[Iatrogenic mastitis in sheep] Roumen MP, et al. **Tijdschr Diergeneeskd** 1987 May 1;112(9):513–8 (Eng. Abstr.) **(Dut)**

[Cause of nutrition-induced muscular dystrophy in suckling lambs in Turkey] Camas H, et al. **Zentralbl Veterinarmed [A]** 1986 Sep;33(7):509–22 (Eng. Abstr.) **(Ger)**

[Causes of lamb losses with special reference to listeriosis on a large-scale farm] Dobrowolski W. **Pol Arch Weter** 1986;26(1–2):149–61 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Bent-limb disease in lambs. Apparent transmission with an autosomal recessive gene linked to the OL-Z minor lymphocyte antigen locus and the I locus involved in the expression of R and O antigens in sheep. Millot P. **J Immunogenet** 1986 Aug;13(4):341–8

Entropion in lambs [letter] Taylor M, et al. **Vet Rec** 1986 Aug 23;119(8):187

HISTORY

Cycad (zamia) poisoning in Australia. Hall WT.

Aust Vet J 1987 May;64(5):149–51

IMMUNOLOGY

Placental transfer of specific antibodies during ovine congenital toxoplasmosis. Dubey JP, et al. **Am J Vet Res** 1987 Mar;48(3):474–6

Serological cross–reactivity between Hammondia hammondi and Toxoplasma gondii in experimentally inoculated sheep. Munday BL, et al. **Aust Vet J** 1986 Oct;63(10):344–5

Serology of experimental toxoplasmosis in pregnant ewes and their foetuses. Munday BL, et al. **Aust Vet J** 1986 Nov; 63(11):353–5

Enzyme–linked immunosorbent assay for the detection of antibodies to bovine virus diarrhea virus in sera from border disease virus–infected sheep. Chu HJ, et al. **Can J Vet Res** 1987 Apr;51(2):281–3

T and B peripheral blood lymphocytes in normal and lymphocytotic sheep. Djilali S, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(2):141–7

Assessment of immunity to Pasteurella haemolytica in sheep by in vitro methods. Donachie W, et al. **Dev Biol Stand** 1986;64:63–9

Desensitization of the acute inflammatory response in skin and mammary gland of sheep. Maas PJ, et al. **Immunology** 1987 Jun;61(2):215–9

Evolving of live modified sheep pox virus strains: evaluation of immunological responses. Das SK, et al. **Indian J Exp Biol** 1986 Jun;24(6):367–70

Immunization of sheep against infection with larvae of the blowfly Lucilia cuprina. Bowles VM, et al. **Int J Parasitol** 1987 Feb;17(3):753–8

Hypersensitivity reactions and hematologic changes in sheep exposed to mosquito (Diptera: Culicidae) feeding. Jones CJ, et al. **J Med Entomol** 1987 Jan;24(1):71–6

Protection against experimental salmonellosis in mice and sheep by immunisation with aromatic–dependent Salmonella typhimurium. Mukkur TK, et al. **J Med Microbiol** 1987 Aug;24(1):11–9

Detection of Cowdria ruminantium antigen and antibody during the course of heartwater disease in sheep by means of an enzyme–linked immunosorbent assay. Neitz AW, et al. **Onderstepoort J Vet Res** 1986 Dec;53(4):205–7

Vaccination of young lambs by means of a protein fraction extracted from adult Haemonchus contortus. Munn EA, et al. **Parasitology** 1987 Apr;94 (Pt 2):385–97

Copper and disease resistance in sheep: a rare natural confirmation of interaction between a specific nutrient and infection. Suttle NF, et al. **Proc Nutr Soc** 1986 Sep; 45(3):317–25

Immune response in rams experimentally infected with Brucella ovis. Afzal M, et al. **Res Vet Sci** 1986 Jul; 41(1):85–9

Effect of host resistance on the feeding and reproductive performance of Haemaphysalis punctata and Ixodes ricinus ticks. Alani AJ, et al. **Res Vet Sci** 1987 Mar;42(2):238–43

Passive protection of sheep against capripoxvirus. Kitching RP. **Res Vet Sci** 1986 Sep;41(2):247–50

Demonstration of antibodies to Eimeria species in lambs by an enzyme–linked immunosorbent assay. Nolan A, et al. **Res Vet Sci** 1987 Jan;42(1):119–23

Transfer of immunity to Ostertagia circumcincta and IgA memory between identical sheep by lymphocytes collected from gastric lymph. Smith WD, et al. **Res Vet Sci** 1986 Nov;41(3):300–6

Helminth immunity and vaccines in sheep. Neilson JT. **Vet Clin North Am [Food Anim Pract]** 1986 Nov; 2(3):759–64

Immunocompetence of sheep experimentally infected with bovine leukemia virus. Cockerell GL, et al. **Vet Immunol Immunopathol** 1986 Nov;13(3):189–202

Adenovirus–induced immune complexes in ovine fetuses. Tuboly S. **Vet Immunol Immunopathol** 1987 Jun; 15(3):215–22

Differences in fluorescent antibody staining of bovine respiratory syncytial virus–infected cells by ovine and bovine sera. Adair BM, et al. **Vet Microbiol** 1987 Jan; 13(1):87–91

Heterologous resistance to Fasciola hepatica conferred upon rats by passive transfer of serum from different breeds of sheep. Boyce WM, et al. **Vet Parasitol** 1986 Dec; 22(3–4):259–66

Partial protection of lambs against Haemonchus contortus by vaccination with a fractionated preparation of the parasite. Neilson JT, et al. **Vet Parasitol** 1987 Feb; 23(3–4):211–21

Counterimmunoelectrophoresis detection of Brucella antigens in fetal stomachs of aborted sheep. Mahajan NK, et al. **Vet Rec** 1986 Nov 1;119(18):455–6

Immunizing activity of oil adjuvant attenuated spore vaccine of Bacillus anthracis in sheep. Al–Dabbass AH, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):340–5

METABOLISM

Cobalamin–folate interrelations [letter] Parry TE. **Blood** 1987 Mar;69(3):974–5

Undernutrition in sheep. Nitrogen repletion by N–depleted sheep. Hovell FD, et al. **Br J Nutr** 1987 Jan;57(1):77–88

MICROBIOLOGY

Experimental infection and abortion of pregnant guinea pigs with a unique spirillum–like bacterium isolated from aborted ovine fetuses. Bryner JH, et al. **Am J Vet Res** 1987 Jan;48(1):91–5

Pathogenicity and immunogenicity of a mutagen–attenuated Rift Valley fever virus immunogen in pregnant ewes. Morrill JC, et al. **Am J Vet Res** 1987 Jul;48(7):1042–7

Experimental reproduction of ovine weaner colitis with a Campylobacter–like organism. McOrist S, et al. **Aust Vet J** 1987 Jan;64(1):29–31

The pathogenicity and cultural characteristics of virulent, intermediate and benign strains of Bacteroides nodosus causing ovine foot–rot. Stewart DJ, et al. **Aust Vet J** 1986 Oct;63(10):317–26

Clinical and pathological responses of sheep and cattle to experimental infection with five different viruses of the epizootic hemorrhagic disease of deer serogroup. Uren MF. **Aust Vet J** 1986 Jun;63(6):199–201

Experimental infection of sheep with Chlamydia psittaci. Andreani E, et al. **Br Vet J** 1987 May–Jun;143(3):221–5

Experimental Salmonella arizonae infection of sheep. Hannam DA, et al. **Br Vet J** 1986 Sep–Oct;142(5):458–66

The use of a delayed hypersensitivity test and Ion_0–acting oxytetracycline in a flock affected with ovine enzootic abortion. Wilsmore AJ, et al. **Br Vet J** 1986 Nov–Dec; 142(6):557–61

Evolving of live modified sheep pox viral strains: modification of indigenous viral strains. Das SK, et al. **Indian J Exp Biol** 1986 May;24(5):282–6

Black–pigmented Bacteroides associated with broken–mouth periodontitis in sheep. Frisken KW, et al. **J Periodont Res** 1987 Mar;22(2):156–9

The relationship between the skin and some bacterial species occurring on it in the Merino. Jansen BC, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):107–11

The effects of Eperythrozoon ovis in sheep. Gulland FM, et al. **Res Vet Sci** 1987 Jul;43(1):85–7

Changing morphology of Eperythrozoon ovis. Gulland FM, et al. **Res Vet Sci** 1987 Jul;43(1):88–91

Response of sheep to experimental concurrent infection with tick–borne fever (Cytoecetes phagocytophila) and louping–ill virus. Reid HW, et al. **Res Vet Sci** 1986 Jul; 41(1):56–62

Variable nature of border disease on a single farm: the infection status of affected sheep. Roeder PL, et al. **Res Vet Sci** 1987 Jul;43(1):28–33

Enteric campylobacter infection in gnotobiotic calves and lambs. Terzolo HR, et al. **Res Vet Sci** 1987 Jul;43(1):72–7

Comparison of the virulence in mice of some ovine isolates of Chlamydia psittaci. Anderson IE. **Vet Microbiol** 1986 Sep;12(3):213–20

Comparison of some ovine Chlamydia psittaci isolates by indirect immunofluorescence. Anderson IE. **Vet Microbiol** 1987 Jan;13(1):69–74

Isolations of Cache Valley virus in Texas, 1981. McConnell S, et al. **Vet Microbiol** 1987 Jan;13(1):11–8

Many causes of calf scours. **Vet Rec** 1987 Jan 24;120(4):77

Chlamydia psittaci: inclusion morphology in cell culture and virulence in mice of ovine isolates. Anderson IE, et al. **Vet Rec** 1986 Nov 1;119(18):453–4

A chlamydial keratoconjunctivitis in a British sheep flock [letter] Andrews AH, et al. **Vet Rec** 1987 Mar 7; 120(10):238–9

Pseudomonas aeruginosa mastitis in a Sabi ewe. Honhold N, et al. **Vet Rec** 1987 Jan 3;120(1):16

Separation of Eperythrozoon ovis from erythrocytes. Lang FM, et al. **Vet Rec** 1986 Oct 4;119(14):359

Corynebacterium pseudotuberculosis infection in sheep and the complement fixation test for paratuberculosis. Pepin M, et al. **Vet Rec** 1987 Mar 7;120(10):236

Isolation of Mycoplasma gallinarum from sheep. Singh KC, et al. **Vet Rec** 1987 May 9;120(19):464

Isolation and characterization of Actinobacillus seminis strains from ovine semen samples and epididymitis. Hajtós I, et al. **Zentralbl Veterinarmed [B]** 1987 Mar;34(2):138–47

Ovine suppurative epididymo–orchitis caused by Histophilus ovis. Hajtós I, et al. **Zentralbl Veterinarmed [B]** 1986 Sep; 33(7):528–36

Propagation of ovine and bovine abortion strains of Chlamydia psittaci in suspension cultures of L–cells. Perez–Martinez JA, et al. **Zentralbl Veterinarmed [B]** 1986 Jun;33(5):346–53

Haemagglutination by Neisseria ovis isolated from the eyes of sheep. Varga J, et al. **Zentralbl Veterinarmed [B]** 1987 Apr;34(3):211–5

[Poxvirus infections in Mauritanian sheep. Atypical sheep pox or lumpy skin disease?] Chamoiseau G. **Rev Elev Med Vet Pays Trop** 1985;38(2):119–21 (Eng. Abstr.) **(Fre)**

[Demonstration of Mycoplasma in sheep pneumonia and experimental pneumonia produced by Mycoplasma arginini] Bocklisch H, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):249–57 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Rift Valley fever surveillance in mobile sheep flocks in the Nile Delta. Allam IH, et al. **Am J Trop Med Hyg** 1986 Sep;35(5):1055–60

Hydatidosis in sheep, goats and dromedaries in Morocco. Pandey VS, et al. **Ann Trop Med Parasitol** 1986 Oct; 80(5):525–9

Crystal–associated cholangiohepatopathy and photosensitisation in lambs. Button C, et al. **Aust Vet J** 1987 Jun;64(6):176–80

The identity, distribution and epizootiological significance of brucella isolates in Australia, 1981 to 1985. Crichton R, et al. **Aust Vet J** 1987 Feb;64(2):48–52

Serological survey for Toxoplasma infections in sheep. O'Donoghue PJ, et al. **Aust Vet J** 1987 Feb;64(2):40–5

Some parasitic diseases of intensively managed west African dwarf sheep and goats in Nsukka, eastern Nigeria. Chiejina SN. **Br Vet J** 1987 May–Jun;143(3):264–72

Incidence of abortions caused by leptospirosis in sheep and goats in Spain. Leon–Vizcaino L, et al. **Comp Immunol Microbiol Infect Dis** 1987;10(2):149–53

Investigations on the occurrence and impact of bovine viral diarrhea (BVD) virus infections in sheep in Turkey. Burgu I, et al. **DTW** 1987 May 7;94(5):292–4

A study on the prevalence of hydatidosis in sheep and goats at Tirupati municipal slaughter house. Pillai KJ, et al. **Indian J Public Health** 1986 Jul–Sep;30(3):160–5

Identification of ovine adenovirus types five and six in an epizootic of respiratory tract disease in recently weaned lambs. LeaMaster BR, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1545–7

Hydatidosis in animals in and around Delhi. Rana UV, et al. **J Commun Dis** 1986 Jun;18(2):116–9

Epidemiological study of echinococcosis in Dakahlia Governorate, Egypt. Hegazi MM, et al. **J Egypt Soc Parasitol** 1986 Dec;16(2):541–8

Enzootic abortion of ewes in Nigeria: an investigation into the naturally occurring disease in a research animal facility. Okoh AE. **Rev Elev Med Vet Pays Trop** 1986;39(2):181–4

Tick infestations on livestock in the Yemen Arab Republic and their potential as vectors of livestock diseases. McCartan BM, et al. **Trop Anim Health Prod** 1987 Feb; 19(1):21–31

Epidemiology of gastrointestinal nematodes of sheep and goats in Haryana, India. Gupta RP, et al. **Vet Parasitol** 1987 Apr;24(1–2):117–27

Coccidia in sheep in South Australia. O'Callaghan MG, et al. **Vet Parasitol** 1987 May;24(3–4):175–83

Forecasting parasitic gastroenteritis in lambs. Paton G, et al. **Vet Parasitol** 1987 May;24(3–4):305–11

Border disease without nervous signs or fleece changes. Bonniwell MA, et al. **Vet Rec** 1987 Mar 14;120(11):246–9

Border disease in France [letter] Brugère–Picoux J. **Vet Rec** 1987 Apr 11;120(15):374

Ostertagiasis in young lambs in spring. Connan RM. **Vet Rec** 1986 Oct 4;119(14):359–60

A field study of watery mouth: clinical, epidemiological, biochemical, haematological and bacteriological observations. Eales FA, et al. **Vet Rec** 1986 Nov 29; 119(22):543–7

A census of the prevalence of vaginal prolapse in sheep flocks in the Borders region of Scotland. Low JC, et al. **Vet Rec** 1987 Jun 13;120(24):571–5

An outbreak of hypocalcaemia in ewes associated with dietary mismanagement. Sweeney HJ, et al. **Vet Rec** 1987 Jan 31;120(5):114

Epidemiology of ovine listeriosis in Great Britain. Wilesmith JW, et al. **Vet Rec** 1986 Nov 8;119(19):467–70

[Wet carcass syndrome in sheep: incidence and geographic distribution] Jansen BN, et al. **J S Afr Vet Assoc** 1986 Mar; 57(1):25–7 (Eng. Abstr.) **(Afr)**

[Epizootiological evaluation of the peroral and vaginal infection of sheep with S. abortus ovis] Vodas K. **Vet Med Nauki** 1987;24(4):13–20 (Eng. Abstr.) **(Bul)**

[Incidence of salmonellosis abortion in sheep in Bulgaria 1970–1984] Vodas K, et al. **Vet Med Nauki** 1986;23(5):92–9 (Eng. Abstr.) **(Bul)**

[An attempt to create a factorial model of the epizootic process in sheep infected with S. abortus ovis] Vodas K, et al. **Vet Med Nauki** 1986;23(10):48–53 (Eng. Abstr.) **(Bul)**

[Intensity of the epizootic process in sheep infected with S. abortus ovis and Chlamydia psittaci var. ovis] Vodas K, et al. **Vet Med Nauki** 1986;23(8):40–6 (Eng. Abstr.) **(Bul)**

[Continuing eco–pathological survey: the objectives and their accomplishment, the choice and the typology of the herd] Barnouin J, et al. **Ann Rech Vet** 1986;17(3):201–7 (Eng. Abstr.) **(Fre)**

[Note on an enzootic of adenocarcinoma of the pituitary nasal mucosa in Djalonké ewes] Charray J, et al. **Rev Elev Med Vet Pays Trop** 1985;38(4):406–10 (Eng. Abstr.) **(Fre)**

[2 foci of Q fever in humans, sheep and cattle in the Olsztyn province] Anusz Z, et al. **Przegl Epidemiol** 1986; 40(4):349–61 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Protection of lambs with a purified metabolite of exsheathed third–stage Haemonchus contortus larvae. Boisvenue RJ, et al. **Am J Vet Res** 1987 Aug;48(8):1236–8

Toxoplasma gondii cysts in placentas of experimentally infected sheep. Dubey JP. **Am J Vet Res** 1987 Mar; 48(3):352–3

Serodiagnosis of postnatally and prenatally induced toxoplasmosis in sheep. Dubey JP, et al. **Am J Vet Res** 1987 Aug;48(8):1239–43

Quantity of Eimeria spp. oocyst elimination in sheep. Argüello MR, et al. **Angew Parasitol** 1987 Mar;28(1):7–14

The use of tracer lambs for monitoring protostrongylid infection on extension pastures of Morroco. Cabaret J, et al. **Ann Rech Vet** 1986;17(1):69–73

Biochemical characterization for identification of ovine sarcosporidia. Ford GE. **Aust J Biol Sci** 1986;39(1):31–6

Glomerulonephritis in lambs with coccidiosis. Majid HN, et al. **Aust Vet J** 1986 Sep;63(9):314–6

The prevalence and intensity of Sarcocystis spp infections in sheep. O'Donoghue PJ, et al. **Aust Vet J** 1986 Sep; 63(9):273–8

Anthelmintic resistance in Ostertagia and Trichostrongylus populations in sheep in the central tablelands of New South Wales. Ottaway SJ, et al. **Aust Vet J** 1986 Sep;63(9):313–4

Isolation of Giardia from a llama and from sheep. Kiorpes AL, et al. **Can J Vet Res** 1987 Apr;51(2):277–80

Developmental arrest of Haemonchus contortus in sheep treated with a corticosteroid. Adams DB. **Int J Parasitol** 1986 Dec;16(6):659–64

Repeatability of ovine faecal egg counts and blood packed cell volumes in Haemonchus contortus infections. Barger IA, et al. **Int J Parasitol** 1987 Apr;17(4):977–80

Observations on the dynamics of worm burdens in lambs infected daily with Ostertagia circumcincta. Hong C, et al. **Int J Parasitol** 1987 Apr;17(4):951–6

A scanning electron microscope study of L. cuprina larvae and the development of blowfly strike in sheep. Sandeman RM, et al. **Int J Parasitol** 1987 Feb;17(3):759–65

Experimental infections of free-ranging Rocky Mountain bighorn sheep with lungworms (Protostrongylus spp.; Nematoda: Protostrongylidae). Samson J, et al. **J Wildl Dis** 1987 Jul;23(3):396–403

Synchronised division of coccidia and their host cells in the ovine intestine. Gregory MW, et al. **Parasitol Res** 1987; 73(4):384–6

Population dynamics in echinococcosis and cysticercosis: evaluation of the biological parameters of Taenia hydatigena and T. ovis and comparison with those of Echinococcus granulosus. Gemmell MA, et al. **Parasitology** 1987 Feb;94 (Pt 1):161–80

Population dynamics in echinococcosis and cysticercosis: mathematical model of the life-cycles of Taenia hydatigena and T. ovis. Roberts MG, et al. **Parasitology** 1987 Feb;94 (Pt 1):181–97

Prevalence of benzimidazole resistance of nematodes in sheep in The Netherlands. Boersema JH, et al. **Res Vet Sci** 1987 Jul;43(1):18–21

Changes in LC50 in an in vitro egg development assay during the patent period of Haemonchus contortus in sheep. Borgsteede FH, et al. **Res Vet Sci** 1987 May;42(3):413–4

Resistance of Cooperia curticei against fenbendazole. Borgsteede FH. **Res Vet Sci** 1986 Nov;41(3):423–4

Regulation of Trichostrongylus vitrinus and T colubriformis populations in naturally infected sheep in the Netherlands. Eysker M. **Res Vet Sci** 1987 May;42(3):267–71

Population dynamics of Trichostrongylus colubriformis in sheep following anthelmintic treatment. Kerboeuf D. **Res Vet Sci** 1986 Nov;41(3):319–22

Winter survival of third stage Trichostrongylus colubriformis larvae: effects on infectivity and fecundity of adult worms. Mallet S, et al. **Res Vet Sci** 1986 Sep;41(2):265–7

A model for predicting parasitic gastroenteritis in lambs subject to mixed nematode infections. Paton G, et al. **Res Vet Sci** 1987 Jul;43(1):67–71

Enzyme-linked immunosorbent assay for the detection of antibodies to the sheep scab mite Psoroptes ovis. Wassall DA, et al. **Res Vet Sci** 1987 Jul;43(1):34–5

Haemonchus contortus and other trichostrongylid infections in parturient, lactating and dry ewes. Gibbs HC, et al. **Vet Parasitol** 1986 Nov;22(1–2):57–66

Experimental infection with Sarcocystis medusiformis in sheep. Obendorf DL, et al. **Vet Parasitol** 1987 Apr; 24(1–2):59–65

The pathogenicity of haemonchosis in sheep and goats in Iraq: 1. Clinical, parasitological and haematological findings. Al-Quaisy HH, et al. **Vet Parasitol** 1987 May; 24(3–4):221–8

The peri-parturient rise in sheep. Faecal worm egg counts in normal and late lambing ewes. Jansen J. **Vet Q** 1987 Apr;9(2):97–102

Toxoplasmosis in a flock of sheep: some investigations into its source and control. Faull WB, et al. **Vet Rec** 1986 Nov 15;119(20):491–3

Experimental microcyst sarcocystis infection in lambs: pathology. O'Toole D, et al. **Vet Rec** 1986 Nov 22; 119(21):525–31

[Localization of Cysticercus ovis in experimentally infected lambs] Kamenov I, et al. **Vet Med Nauki** 1987;24(5):97–101 (Eng. Abstr.) **(Bul)**

[The sheep: an experimental model for the study of African trypanosomiasis] Bouteille B, et al. **Bull Soc Pathol Exot Filiales** 1986;79(5 Pt 2):730–8 (Eng. Abstr.) **(Fre)**

[Benzimidazole-resistant Haemonchus contortus in sheep in West Germany] Düwel D, et al. **Berl Munch Tierarztl Wochenschr** 1987 Apr 1;100(4):120–3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Experimentally induced ovine border disease: extensive hypomyelination with minimal viral antigen in neonatal spinal cord. Anderson CA, et al. **Am J Vet Res** 1987 Mar; 48(3):499–503

Tropism of border disease virus for oligodendrocytes in ovine fetal brain cell cultures. Anderson CA, et al. **Am J Vet Res** 1987 May;48(5):822–7

Ultrasonographic imaging to monitor fetal and placental developments in ewes fed locoweed (Astragalus lentiginosus). Panter KE, et al. **Am J Vet Res** 1987 Apr; 48(4):686–90

The macroscopic appearance and associated histological changes in the enamel organ of hypoplastic lesions of sheep incisor teeth resulting from induced parasitism. Suckling G, et al. **Arch Oral Biol** 1986;31(7):427–39

Effects of the sheep-chewing louse (Damalinia ovis) on the epidermis of the Australian merino. Britt AG, et al. **Aust J Biol Sci** 1986;39(2):137–43

The effect of caseous lymphadenitis on body condition and weight of Merino mutton carcases. Batey RG. **Aust Vet J** 1986 Aug;63(8):268

The distribution of histopathological lesions in rams reacting in a complement fixation test for Brucella ovis. Searson JE. **Aust Vet J** 1987 Apr;64(4):108–9

Establishment, identification and characterization of a new sheep sinus tumor cell line. Shrivastava R, et al. **Biol Cell** 1987;59(2):169–74

Experimental infection of sheep and goats with transmissible mink encephalopathy virus. Hadlow WJ, et al. **Can J Vet Res** 1987 Jan;51(1):135–44

A necrotizing pneumonia in lambs caused by pseudorabies virus (Aujesky's disease virus). Schmidt SP, et al. **Can J Vet Res** 1987 Jan;51(1):145–9

False carotid aneurysm in a sheep. Rings DM, et al. **J Am Vet Med Assoc** 1986 Oct 1;189(7):799–801

An ultrastructural study of the kidney of normal, copper poisoned and thiomolybdate-treated sheep. Gooneratne SR, et al. **J Comp Pathol** 1986 Nov;96(6):593–612

Experimentally-induced border disease in goats. Løken T. **J Comp Pathol** 1987 Jan;97(1):85–9

Experimental ovine sarcocystosis: sequential ultrastructural pathology in skeletal muscle. O'Toole D. **J Comp Pathol** 1987 Jan;97(1):51–60

Multifocal ischaemic encephalomyelopathy associated with fibrocartilaginous emboli in the lamb. Jeffrey M, et al. **Neuropathol Appl Neurobiol** 1986 Jul-Aug;12(4):415–24

Ovine hepatogenous photosensitivity caused by the plant Nidorella foetida (Thunb.) DC. (Asteraceae). Schneider DJ, et al. **Onderstepoort J Vet Res** 1987 Mar;54(1):53–7

Variable nature of border disease on a single farm: clinical and pathological description of affected sheep. Jeffrey M, et al. **Res Vet Sci** 1987 Jul;43(1):22–7

Gross pathology and histopathology of haemonchosis in sheep and goats in Iraq. Al-Zubaidy AJ, et al. **Vet Parasitol** 1987 Feb;23(3–4):249–56

Pulmonary lesions in lambs experimentally infected with ovine adenovirus 5 strain RTS-42. Cutlip RC, et al. **Vet Pathol** 1986 Sep;23(5):589–93

Pathology of experimental ureaplasma mastitis in ewes. Kennedy S, et al. **Vet Pathol** 1987 Jul;24(4):302–7

Enzootic nasal tumour of sheep. Perl S, et al. **Vet Q** 1987 Apr;9(2):118–22

Kangaroo gait in ewes. Barlow RM, et al. **Vet Rec** 1986 Aug 23;119(8):174–5

Laryngeal chondritis in Texel sheep. Lane JG, et al. **Vet Rec** 1987 Jul 25;121(4):81–4

[A rare case of Sarcocystis encephalitis in a sheep] Belchev L, et al. **Vet Med Nauki** 1987;24(3):33–7 (Eng. Abstr.) **(Bul)**

[Pathomorphological studies of aborted fetuses from sheep infected with R. burneti] Nelkov P. **Vet Med Nauki** 1987; 24(1):36–43 (Eng. Abstr.) **(Bul)**

[Pregnancy toxemia of small ruminants with special reference to pathomorphology] Tontis A, et al. **Tierarztl Prax** 1987; 15(1):25–9 (Eng. Abstr.) **(Ger)**

[Neoplastic diseases in sheep in the Wielkopolska region (analysis of autopsy data of the Institute of Veterinary Hygiene in Poznan 1977–1984] Kempski W, et al. **Patol Pol** 1986 Jan-Mar;37(1):56–67 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Effects of maternal anemia on cardiac output, systemic oxygen consumption, and regional blood flow in pregnant sheep. Edelstone DI, et al. **Am J Obstet Gynecol** 1987 Mar; 156(3):740–8

Increased intrinsic pumping of intestinal lymphatics following hemorrhage in anesthetized sheep. Hayashi A, et al. **Circ Res** 1987 Feb;60(2):265–72

Inflammatory responses of the uterus. Hawk HW. **J Anim Sci** 1971;32 Suppl 1:55–65

Border disease. Virus-induced decrease in thyroid hormone levels with associated hypomyelination. Anderson CA, et al. **Lab Invest** 1987 Aug;57(2):168–75

Ejaculate characteristics of sheep infected with Trypanosoma brucei and T vivax: changes caused by treatment with diminazene aceturate. Akpavie SO, et al. **Res Vet Sci** 1987 Jan;42(1):1–6

Effect of Haemaphysalis punctata infestation on growing lambs and rabbits. Alani AJ, et al. **Res Vet Sci** 1987 Mar; 42(2):244–51

Effect of hypocalcaemia on blood flow distribution in sheep. Barzanji AA, et al. **Res Vet Sci** 1987 Jan;42(1):92–5

[Uterine rupture in sheep] ter Schure RA, et al. **Tijdschr Diergeneeskd** 1987 Jun 15;112(12):738–40 (Eng. Abstr.) **(Dut)**

PREVENTION & CONTROL

Efficacy of Corynebacterium pseudotuberculosis bacterin for the immunologic protection of sheep against development of caseous lymphadenitis. LeaMaster BR, et al. **Am J Vet Res** 1987 May;48(5):869–72

Control of ovine lupinosis: the treatment of lupin stubble materials with alkali. Allen JG, et al. **Aust Vet J** 1986 Oct; 63(10):350–2

A field trial with a commercial vaccine against foot-rot in sheep. Lambell RG. **Aust Vet J** 1986 Dec;63(12):415–8

An egg development test for the evaluation of benzimidazole resistance in Nematodirus spathiger. Obendorf DL, et al. **Aust Vet J** 1986 Nov;63(11):382–3

Examination of rams culled during an ovine brucellosis accredited free flock scheme. Rothwell JT, et al. **Aust Vet J** 1986 Jul;63(7):209–11

A Bacteroides nodosus pili vaccine produced by recombinant DNA for the prevention and treatment of foot-rot in sheep. Stewart DJ, et al. **Aust Vet J** 1987 Mar;64(3):79–81

The epidemiology of ovine toxoplasmosis with especial respect to control. Blewett DA, et al. **Br Vet J** 1987 Mar-Apr;143(2):128–35 (55 ref.)

Mass production and standardization of Clostridium oedematiens vaccine against black disease (infectious necrotic hepatitis) of sheep. Ardehali M, et al. **Dev Biol Stand** 1986;64:137–40

Economics of Brucella ovis control in sheep: epidemiologic simulation model. Carpenter TE, et al. **J Am Vet Med Assoc** 1987 Apr 15;190(8):977–82

Economics of Brucella ovis control in sheep: computerized decision-tree analysis. Carpenter TE, et al. **J Am Vet Med Assoc** 1987 Apr 15;190(8):983–7

Use of anthelmintics by New England sheep producers. Tritschler JP, et al. **J Am Vet Med Assoc** 1986 Nov 15; 189(10):1309–13

The protective effect of irradiated metacercariae of Fasciola gigantica against homologous challenge in sheep. A/Gadir H, et al. **J Helminthol** 1987 Jun;61(2):137–42

Immunization of sheep against the larval stage of Taenia multiceps. Verster A, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):103–5

Population dynamics in echinococcosis and cysticercosis: comparison of the response of Echinococcus granulosus, Taenia hydatigena and T. ovis to control. Gemmell MA, et al. **Parasitology** 1986 Oct;93 (Pt 2):357–69

A single vaccine for the control of capripox infection in sheep and goats. Kitching RP, et al. **Res Vet Sci** 1987 Jan; 42(1):53–60

Control of Brucella melitensis infection in sheep and goats—a review. Alton GG. **Trop Anim Health Prod** 1987 May; 19(2):65–74 (42 ref.)

Simulation of fly-waves to assess the ability of diflubenzuron to protect sheep against flystrike by Lucilia cuprina. Hughes PB, et al. **Vet Parasitol** 1987 May;24(3–4):275–84

Ministry animal health schemes [letter] Batten AT. **Vet Rec** 1987 Jan 24;120(4):95–6

Monensin and the control of experimental ovine toxoplasmosis: a systemic effect. Buxton D, et al. **Vet Rec** 1987 Jun 27;120(26):618–9

Preventive medicine [letter] Lester WA. **Vet Rec** 1987 Jul 4;121(1):24

Comparison of the anthelmintic efficacy of oxfendazole or ivermectin administered orally and ivermectin administered subcutaneously to sheep during the periparturient period. McKellar QA, et al. **Vet Rec** 1987 Apr 18;120(16):383–6

Control of headfly on sheep. Wright AJ, et al. **Vet Rec** 1987 Jun 27;120(26):612–4

[Specific prophylaxis of gangrenous mastitis in sheep] Masalski N, et al. **Vet Med Nauki** 1986;23(7):28–32 (Eng. Abstr.) **(Bul)**

[Control of digestive strongylosis in small ruminants in the French West Indies: development of benzimidazole resistance and value of the reasoned management of pastures] Gruner L. **Rev Elev Med Vet Pays Trop** 1985; 38(4):386–93 (Eng. Abstr.) **(Fre)**

[Protection of sheep against infection with bovine leukemia virus by vaccination with tumor cells or tumor cell preparations from lymph nodes of leukemic cattle] Ristau E, et al. **Arch Exp Veterinarmed** 1987 Mar;41(2):185–96 (Eng. Abstr.) **(Ger)**

[Study of the reactivity and immunogenicity of a combined vaccine against abortion due to coxiellosis and chlamydiosis in sheep] Dravecký T, et al. **Vet Med (Praha)** 1987 May; 32(5):309–13 (Eng. Abstr.) **(Slo)**

SURGERY

Urolithiasis in small ruminants. I. A retrospective evaluation of urethrostomy. van Weeren PR, et al. **Vet Q** 1987 Jan; 9(1):76–9

THERAPY

[Trial therapy of inoperable abdominal hydatid cysts by puncture] Ben Amor N, et al. **Ann Parasitol Hum Comp** 1986;61(6):689–92 (Eng. Abstr.) **(Fre)**

[Treatment of hepatic hydatid cyst in sheep by echographic puncture] Ben Amor N, et al. **Tunis Med** 1986 Apr; 64(4):325–31 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Rectal transmission of bovine leukemia virus in cattle and sheep. Henry ET, et al. **Am J Vet Res** 1987 Apr;48(4):634–6

Ovine anaplasmosis: in utero transmission as it relates to stage

of gestation. Zaugg JL. **Am J Vet Res** 1987 Jan;48(1):100–3
Contagious pustular dermatitis (orf) of sheep affecting the ear following ear tagging. Allworth MB, et al. **Aust Vet J** 1987 Feb;64(2):61–2
Serological, bacteriological and pathological changes in rams following different routes of exposure to Brucella ovis. Plant JW, et al. **Aust Vet J** 1986 Dec;63(12):409–12
Late fall transmission of Nematodirus battus (Nematoda: Trichostrongyloidea) in western Oregon. Rickard LG, et al. **J Parasitol** 1987 Feb;73(1):244–7
Experimental infections of Anaplasma ovis in pronghorn antelope. Zaugg JL. **J Wildl Dis** 1987 Apr;23(2):205–10
Experimental coinduction of type D retrovirus-associated pulmonary carcinoma and lentivirus-associated lymphoid interstitial pneumonia in lambs. DeMartini JC, et al. **JNCI** 1987 Jul;79(1):167–77
Exposure to Chlamydia psittaci in pregnancy [letter] Helm CW, et al. **Lancet** 1987 May 16;1(8542):1144–5
Corynebacterium ovis (pseudo-tuberculosis) lymphadenitis in a sheep farmer: a new occupational disease in New Zealand. House RW, et al. **NZ Med J** 1986 Sep 10; 99(809):659–62
Exposure of sheep to natural aerosols of foot-and-mouth disease virus. Gibson CF, et al. **Res Vet Sci** 1986 Jul; 41(1):45–9
Aujeszky's disease of sheep: experimental studies on the excretion and horizontal transmission of the virus. Mocsári E, et al. **Vet Microbiol** 1987 Apr;13(4):353–9
Toxoplasmosis in a flock of sheep: further report [letter] Faull WB, et al. **Vet Rec** 1986 Dec 13;119(24):607
Dipping risk [letter] Talbot D. **Vet Rec** 1986 Nov 22; 119(21):536
Experimental production of tick pyaemia [letter] Webster KA, et al. **Vet Rec** 1986 Aug 23;119(8):186–7
[Role of rams in the epizootiology of salmonellal abortion in sheep] Vodas K, et al. **Vet Med Nauki** 1986;23(9):61–8 (Eng. Abstr.) **(Bul)**
[Experimental infection with Salmonella abortus ovis in rams] Sanchis R, et al. **Ann Rech Vet** 1986;17(4):387–93 (Eng. Abstr.) **(Fre)**

URINE

Cobalt deficiency and urinary formiminoglutamic acid in lambs. Stebbings RS, et al. **Br Vet J** 1986 May–Jun; 142(3):270–4

SHELLFISH

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CLAMS
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SHRIMP

Studies on heat inactivation of hepatitis A virus with special reference to shellfish. Part 1. Procedures for infection and recovery of virus from laboratory-maintained cockles. Millard J, et al. **Epidemiol Infect** 1987 Jun;98(3):397–414
Determination of "heavy" organotin pollution of water and shellfish by a modified hydride atomic absorption procedure. Pinel R, et al. **Int J Environ Anal Chem** 1986; 27(4):265–71
Use of conductance methods to predict bacterial counts in fish. Ogden ID. **J Appl Bacteriol** 1986 Oct;61(4):263–8
A rapid and simple method for the detection and enumeration of Escherichia coli in cleansed shellfish. Humphrey TJ, et al. **J Hyg (Lond)** 1986 Oct;97(2):273–80
Effect of shellfish consumption on cholesterol absorption in normolipidemic men. Childs MT, et al. **Metabolism** 1987 Jan;36(1):31–5
[Levels of microbial contamination of frozen and quick-frozen shellfish products] D'Errico MM, et al. **Nuovi Ann Ig Microbiol** 1985 Sep–Oct;36(5):343–50 (Eng. Abstr.) **(Ita)**
[Preparation and nutritional characteristics of a hydrolysate from pepitona (Arca zebra)] Arbej J, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):577–85 (Eng. Abstr.) **(Spa)**
[Functional properties and possible uses of a hydrolysate of pepitona (Arca zebra) in the preparation of foods] Arbej J, et al. **Arch Latinoam Nutr** 1985 Dec;35(4):677–85 (Eng. Abstr.) **(Spa)**
[Determination of processing conditions for obtaining a pepitona (Arca zebra) hydrolysate for human consumption] Baixeras S, et al. **Arch Latinoam Nutr** 1985 Dec; 35(4):666–76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Reactivity of IgE antibodies with crustacea and oyster allergens: evidence for common antigenic structures. Lehrer SB, et al. **J Allergy Clin Immunol** 1987 Aug; 80(2):133–9

ANALYSIS

Organochlorine pesticide residues in Chilean fish and shellfish species. Ober A, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):528–33
Heavy metals in molluscan, crustacean, and other commercially important Chilean marine coastal water species. Ober AG, et al. **Bull Environ Contam Toxicol** 1987 Mar;38(3):534–9
Arsenic levels in Chilean marine species. Santa María I, et al. **Bull Environ Contam Toxicol** 1986 Oct;37(4):593–8
Rapid determination of methyl mercury in fish and shellfish: collaborative study. Hight SC. **J Assoc Off Anal Chem** 1987 Jul–Aug;70(4):667–72
Rapid determination of methyl mercury in fish and shellfish: method development. Hight SC, et al. **J Assoc Off Anal Chem** 1987 Jan–Feb;70(1):24–30
Simultaneous gas chromatographic determination of dibutyltin and tributyltin compounds in biological and sediment samples. Tsuda T, et al. **J Assoc Off Anal Chem** 1986 Nov–Dec;69(6):981–4
[Determination of indole and skatole in seafood using high performance liquid chromatography (HPLC)] Schulz H. **Z Lebensm Unters Forsch** 1986 Nov;183(5):331–4 (Eng. Abstr.) **(Ger)**
[Polychlorobiphenyl residue levels in edible marine Mollusca, Crustacea and Cephalopoda] Falandysz J. **Rocz Panstw Zaki Hig** 1986;37(5):409–15 (Eng. Abstr.) **(Pol)**
[Selection of methods of determining vitamin D levels in krill and its products] Korzeniowski W, et al. **Rocz Panstw Zaki Hig** 1986;37(4):296–302 (Eng. Abstr.) **(Pol)**

POISONING

Neurotoxic fish poisoning in the Solomon Islands. Eason RJ, et al. **Papua New Guinea Med J** 1987 Mar;30(1):49–52
Shellfish and fish poisoning related to the toxic dinoflagellates. Sakamoto Y, et al. **South Med J** 1987 Jul; 80(7):866–72 (98 ref.)

STANDARDS

[Technical note on determining the sanitary quality of edible bivalves] Jekov S, et al. **Arch Inst Pasteur Tunis** 1986 Jun–Sep;63(2–3):233–9 (Eng. Abstr.) **(Fre)**

SHELTERED WORKSHOPS

Turnover among new employees with physical and mental disabilities because of unsuccessful socialization in sheltered workshops. Dijkstra A. **Int J Rehabil Res** 1986;9(2):129–37

SHIGELLA

see related
DYSENTERY, BACILLARY

Shiga and Shiga-like toxins. O'Brien AD, et al. **Microbiol Rev** 1987 Jun;51(2):206–20 (120 ref.)

CLASSIFICATION

[Shigella implicated in current acute diarrheal diseases] Turcu T, et al. **Rev Med Chir Soc Med Nat Iasi** 1986 Jul–Sep; 90(3):469–72 (Eng. Abstr.) **(Rum)**
[Intergeneric antigenic relation of Hafnia and Shigella (S. flexneri and S. boydii) bacteria] Baturo AP. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):19–21 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Incidence of shigellosis and multi-drug resistant Shigellae: a 10 year study. Panigrahi D, et al. **J Trop Med Hyg** 1987 Feb;90(1):25–9
[Resistance to antibiotics and sulfanilamides of enterobacteria isolated in Ulyanovsk Province] Vos'mirko VL. **Antibiot Med Biotekhnol** 1986 Nov;31(11):863–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Antigenic specificity of Escherichia coli alkaline phosphatase studied with monoclonal antibodies: immunological characterization of E. coli and Shigella strains. Husson MO, et al. **Ann Inst Pasteur Microbiol** 1987 Jan–Feb; 138(1):39–48
A new chromogenic test for the detection of urokinase in the genus Shigella. Massenti MF, et al. **Microbiologica** 1987 Jul;10(3):331–3

GENETICS

Frequency of four classes of tetracycline resistance determinants in Salmonella and Shigella spp. clinical isolates. Martínez-Salazar JM, et al. **Antimicrob Agents Chemother** 1986 Oct;30(4):630–1
Production of restriction endonucleases using multicopy Hsd plasmids occurring naturally in pathogenic Escherichia coli and Shigella boydii. Mise K, et al. **Gene** 1986;44(1):165–9
A survey of plasmids in the clinically isolated Shigella strains and their invasive ability and antibiotic resistances. Sakaguchi S, et al. **Kitasato Arch Exp Med** 1986 Jun; 59(1–2):1–7
[Genetic analysis of Shigella plasmid involved in pathogenicity] Watanabe H. **Nippon Saikingaku Zasshi** 1986 Jul;41(4):693–9 **(Jpn)**
[Effect of RNA nucleotides on Shigella biology] Zemskov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec; (12):18–20 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Antigenic determinants of bacteria. The structure of the repeating unit of a specific polysaccharide from Shigella boydii type 7] L'vov VL, et al. **Bioorg Khim** 1987 Feb; 13(2):223–33 (Eng. Abstr.) **(Rus)**
[Somatic antigens of Shigella and Escherichia coli. Determination of the structure of O-specific polysaccharide from Shigella boydii type 12 and its serological properties compared with the O-specific polysaccharide from Escherichia coli] L'vov VL, et al. **Bioorg Khim** 1986 Sep;12(9):1240–52 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rapid automated method for screening of enteric pathogens from stool specimens. Villasante PA, et al. **J Clin Microbiol** 1987 Mar;25(3):584–5
Changing pattern of Shigella serotypes in a southern Indian population. Macaden R, et al. **J Diarrhoeal Dis Res** 1986 Jun;4(2):77–80
Media for isolating Shigella [letter] Bogaerts J, et al. **Lancet** 1987 Mar 7;1(8532):560
Shigella from ovine faeces [letter] Chadwick P, et al. **Vet Rec** 1986 Nov 29;119(22):559–60
[Shigella and Salmonella isolated in Burundi from 1980 to 1985] Petat E, et al. **Bull Soc Pathol Exot Filiales** 1987; 80(2):171–9 (Eng. Abstr.) **(Fre)**
[Bacteriological study of shigellosis in the Lake Kivu area (Central Africa). Developments in the last 15 years (1968–1983)] Rogerie F, et al. **Bull Soc Pathol Exot Filiales** 1986;79(4):435–46 (Eng. Abstr.) **(Fre)**
[A reservoir of Shigella of avian origin: herons and birds of prey of the zoological garden in Tananarive] Vicens R, et al. **Bull Soc Pathol Exot Filiales** 1987;80(3):295–300 (Eng. Abstr.) **(Fre)**
[Evaluation of the effectiveness of selective-differentiating culture media and their sets used to isolate Shigella and Salmonella] Litinski JI, et al. **Med Dosw Mikrobiol** 1987; 39(1):11–22 (Eng. Abstr.) **(Pol)**

METABOLISM

[Resistance patterns in Shigella] Altwegg M. **Schweiz Med Wochenschr** 1986 Dec 27;116(52):1848–51 (Eng. Abstr.) **(Ger)**

PATHOGENICITY

Comparison of DNA probes and the Sereny test for identification of invasive Shigella and Escherichia coli strains. Wood PK, et al. **J Clin Microbiol** 1986 Sep; 24(3):498–500
Production of Shiga toxin and other cytotoxins by serogroups of Shigella. Bartlett AV 3d, et al. **J Infect Dis** 1986 Dec; 154(6):996–1002
[Tissue affinity of pathogens: invasion of pathogens—intestines] Okamura N. **Nippon Rinsho** 1986 Sep;44(9):1937–41 (16 ref.) **(Jpn)**

PHYSIOLOGY

[Population aspects of Shigella interaction with the mucosa of explanted fragments of the human fetal intestine] Bondarenko VM, et al. **Vestn Akad Med Nauk SSSR** 1986; (12):72–8 **(Rus)**

SHIGELLA BOYDII see under **SHIGELLA**

SHIGELLA DYSENTERIAE

Morphologic evaluation of the effects of Shiga toxin and E coli Shiga-like toxin on the rabbit intestine. Keenan KP, et al. **Am J Pathol** 1986 Oct;125(1):69–80
Physicochemical characterization of A and B subunits of Shiga toxin and reconstitution of holotoxin from isolated subunits. Yutsudo T, et al. **Microbiol Immunol** 1987; 31(3):189–97

ANALYSIS

Characterization of purified Shiga toxin from Shigella dysenteriae 1. Yutsudo T, et al. **Microbiol Immunol** 1986; 30(11):1115–27

DRUG EFFECTS

Shigellosis in Bangladesh: a reply [letter] [published erratum appears in J Infect Dis 1987 Sep;156(3):535] Shahid NS, et al. **J Infect Dis** 1987 Sep;156(3):535
Plasmid-mediated resistance to nalidixic acid in Shigella dysenteriae type 1. Munshi MH, et al. **Lancet** 1987 Aug 22;2(8556):419–21

GENETICS

Localization of stx, a determinant essential for high-level production of shiga toxin by Shigella dysenteriae serotype 1, near pyrF and generation of stx transposon mutants. Sekizaki T, et al. **Infect Immun** 1987 Sep;55(9):2208–14
[Transfer of R plasmids between Shigella and E. coli strains in the intestine of patients with acute shigellosis] Li LJ, et al. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):713–7, 774 (Eng. Abstr.) **(Chi)**
[A preliminary study on the usefulness of the plasmid profile analysis for the epidemiological investigation of shigellosis]

Xu ZW. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1986 Dec;7(6):329–31 (Eng. Abstr.) **(Chi)**

[Cloning and primary structure of Shigella toxin genes] Kozlov IuV, et al. **Dokl Akad Nauk SSSR** 1987; 295(3):740–4 **(Rus)**

IMMUNOLOGY

Monoclonal antibodies specific for Shigella flexneri lipopolysaccharides: clones binding to type IV, V, and VI antigens, group 3,4 antigen, and an epitope common to all Shigella flexneri and Shigella dysenteriae type 1 stains. Carlin NI, et al. **Infect Immun** 1987 Jun;55(6):1412–20

ISOLATION & PURIFICATION

[A reservoir of Shigella of avian origin: herons and birds of prey of the zoological garden in Tananarive] Vicens R, et al. **Bull Soc Pathol Exot Filiales** 1987;80(3):295–300 (Eng. Abstr.) **(Fre)**

METABOLISM

Ionic requirements for entry of Shiga toxin from Shigella dysenteriae 1 into cells. Sandvig K, et al. **Infect Immun** 1987 Feb;55(2):298–303

Enzyme-linked immunosorbent assay to detect Shiga toxin of Shigella dysenteriae and related toxins. Kongmuang U, et al. **J Clin Microbiol** 1987 Jan;25(1):115–8

SHIGELLA FLEXNERI

CLASSIFICATION

[Intergeneric antigenic relation of Hafnia and Shigella (S. flexneri and S. boydii) bacteria] Baturo AP. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Sep;(9):19–21 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Shigellosis in Bangladesh: a reply [letter] [published erratum appears in J Infect Dis 1987 Sep;156(3):535] Shahid NS, et al. **J Infect Dis** 1987 Sep;156(3):535

Serogroup frequency and drug sensitivity of Shigella strains encountered at the University Hospital of the West Indies. Bodonaik NC, et al. **West Indian Med J** 1986 Sep; 35(3):194–6

GENETICS

Characterization of Shigella flexneri sequences encoding congo red binding (crb): conservation of multiple crb sequences and role of IS1 in loss of the Crb+ phenotype. Daskaleros PA, et al. **Infect Immun** 1986 Nov;54(2):435–43

DNA sequence and product analysis of the virF locus responsible for congo red binding and cell invasion in Shigella flexneri 2a. Sakai T, et al. **Infect Immun** 1986 Nov; 54(2):395–402

Molecular cloning of invasion plasmid antigen (ipa) genes from Shigella flexneri: analysis of ipa gene products and genetic mapping. Buysse JM, et al. **J Bacteriol** 1987 Jun; 169(6):2561–9

[Genetic characteristics and trends in the spread of a new Shigella flexneri subserovar with the antigenic formula IV:7,8] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Feb;(2):42–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Growth and development of a population of the causative agent during an infection] Pokrovskii VI, et al. **Sov Med** 1987;(4):29–36 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Humoral response in mice immunized with outer membrane proteins of Shigella flexneri. Witkowska D, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):499–504

Live dysentery vaccine "Vadizen" (T32–Istrati) immunogenicity against Shigella-like challenge in animals. Ciudin L, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec;45(3–4):247–56

Lack of correlation between HLA-B27 like antigenic epitopes on Shigella flexneri and the occurrence of reactive arthritis. van Bohemen CG, et al. **Clin Exp Immunol** 1986 Sep;65(3):679–82

Widal-type serology using live antigen for diagnosis of Shigella flexneri dysentery. Verbrugh HA, et al. **Eur J Clin Microbiol** 1986 Oct;5(5):540–2

HLA-B27M1M2 and high immune responsiveness to Shigella flexneri in post-dysenteric arthritis. van Bohemen CG, et al. **Immunol Lett** 1986 Aug;13(1–2):71–4

Monoclonal antibodies specific for Shigella flexneri lipopolysaccharides: clones binding to type IV, V, and VI antigens, group 3,4 antigen, and an epitope common to all Shigella flexneri and Shigella dysenteriae type 1 stains. Carlin NI, et al. **Infect Immun** 1987 Jun;55(6):1412–20

Secretory immunoglobulin A response following peroral priming and challenge with Shigella flexneri lacking the 140-megadalton virulence plasmid. Keren DF, et al. **Infect Immun** 1986 Dec;54(3):920–3

Characterization of five Shigella flexneri variant Y-specific monoclonal antibodies using defined saccharides and glycoconjugate antigens. Carlin NI, et al. **J Immunol** 1987 Jun 15;138(12):4419–27

Characterization of Shigella flexneri-specific murine monoclonal antibodies by chemically defined glycoconjugates. Carlin NI, et al. **J Immunol** 1986 Oct 1; 137(7):2361–6

Local and systemic antibody responses to Shigella infection in rhesus monkeys. Dinari G, et al. **J Infect Dis** 1987 May; 155(5):1065–9

Structure and biology of Shigella flexneri O antigens. Simmons DA, et al. **J Med Microbiol** 1987 Jun; 23(4):289–302 (57 ref.)

[Synthesis of a repeating unit and the dimer of the repeating unit of the major chain of Shigella flexneri O-antigen polysaccharide] Tsvetkov IuE, et al. **Bioorg Khim** 1986 Sep; 12(9):1213–24 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of Shigella antigens during the course of dysentery] Karal'nik BV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):49–52 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Congo red binding phenotype is associated with hemin binding and increased infectivity of Shigella flexneri in the HeLa cell model. Daskaleros PA, et al. **Infect Immun** 1987 Jun;55(6):1393–8

Virulence of iron transport mutants of Shigella flexneri and utilization of host iron compounds. Lawlor KM, et al. **Infect Immun** 1987 Mar;55(3):594–9

Evaluation with an iuc::Tn10 mutant of the role of aerobactin production in the virulence of Shigella flexneri. Nassif X, et al. **Infect Immun** 1987 Sep;55(9):1963–9

Isolation, characterization, and mapping of Tn5 insertions into the 140-megadalton invasion plasmid defective in the mouse Sereny test in Shigella flexneri 2a. Sasakawa C, et al. **Infect Immun** 1986 Oct;54(1):32–6

Surface hydrophobicity of plasmid-carrying virulent Shigella flexneri and their avirulent variants. Seltmann G, et al. **J Basic Microbiol** 1986;26(5):283–7

Effect of measles-virus infection and interferon treatment on invasiveness of Shigella flexneri in HEp2-cell cultures. Bukholm G, et al. **J Med Microbiol** 1986 Dec;22(4):335–41

[Reaction of the hematopoietic system in mice to the administration of virulent and avirulent strains of Shigella flexneri 2A] Nikolaeva TN, et al. **Biol Nauki** 1987;(6):17–22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Plasmid-mediated early killing of eucaryotic cells by Shigella flexneri as studied by infection of J774 macrophages. Clerc PL, et al. **Infect Immun** 1987 Mar;55(3):521–7

ULTRASTRUCTURE

Ultrastructural study on the bacterial symbiont in Giardia lamblia. Rădulescu S, et al. **Arch Roum Pathol Exp Microbiol** 1986 Jul–Dec; 45(3–4):285–92

[Ultrastructural study of intestinal bacteria grown on Endo- and Levine-type nutrient media based on nonfood raw materials] Pivovarova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):27–9 (Eng. Abstr.) **(Rus)**

SHIGELLA INFECTIONS see **DYSENTERY, BACILLARY**

SHIGELLA SONNEI

Colicin Js of Shigella sonnei: classification of type colicin "7".Smarda J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1987 Mar; 263(4):530–40

CYTOLOGY

[Phenomenology and molecular mechanisms of Shigella sonnei dissociation: its variability in model in vivo and in vitro systems] Kaminskii GD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov;(11):46–51 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Serogroup frequency and drug sensitivity of Shigella strains encountered at the University Hospital of the West Indies. Bodonaik NC, et al. **West Indian Med J** 1986 Sep; 35(3):194–6

ENZYMOLOGY

[Study of the conditions of activation and stabilization of DNA-methylases from Shigella sonnei 47 during fractionation, purification and storage] Suchkov SV, et al. **Biokhimiia** 1986 Aug;51(8):1369–76 (Eng. Abstr.) **(Rus)**

[Separation of modification methylation and restriction enzymes from Shigella sonnei 47] Kartashova IM, et al. **Mol Gen Mikrobiol Virusol** 1985 Apr;(4):31–5 (Eng. Abstr.) **(Rus)**

GENETICS

Location of plasmid-mediated citrate utilization determinant in R27 and incidence in other H incompatibility group plasmids. Taylor DE, et al. **Appl Environ Microbiol** 1986 Dec;52(6):1394–7

Experimental production of colicin type V of Shigella sonnei unusual in nature. Horák V, et al. **Folia Microbiol (Praha)** 1987;32(1):63–4

Limitations of using the plasmid pattern as an epidemiological tool for clinical isolates of Shigella sonnei. Prado D, et al. **J Infect Dis** 1987 Feb;155(2):314–6

[Functional characteristics of plasmids of Shigella sonnei 47 strains] Kariagina AS, et al. **Mol Gen Mikrobiol Virusol** 1986 Oct;(10):16–21 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Water-melon as a vehicle of transmission of shigellosis. Fredlund H, et al. **Scand J Infect Dis** 1987;19(2):219–21

IMMUNOLOGY

Comparison of enterobacterial common antigen from different species by serological techniques. Kuhn HM, et al. **Eur J Biochem** 1987 Jan 2;162(1):69–74

Prevention of shigellosis by a Salmonella typhi-Shigella sonnei bivalent vaccine. Black RE, et al. **J Infect Dis** 1987 Jun;155(6):1260–5

[Delayed-type hypersensitivity in mice immunized with ribosomal vaccines against Shigella sonnei] Belkin ZP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Dec;(12):56–9 (Eng. Abstr.) **(Rus)**

[Detection of immunosuppression factors in Shigella sonnei] Frolov AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Aug;(8):10–3 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of Shigella antigens during the course of dysentery] Karal'nik BV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Jan;(1):49–52 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Determination of Shigella sonnei in milk using the coagglutination reaction] Danilkin BK, et al. **Gig Sanit** 1987 Apr;(4):63–4 **(Rus)**

PATHOGENICITY

Characterization of outer membrane proteins of virulent phase I Shigella sonnei strains and their avirulent phase I derivatives. Adamus G, et al. **Arch Immunol Ther Exp (Warsz)** 1986;34(5–6):513–6

[Manifestations of genotypic and phenotypic heterogeneity in populations of Shigella sonnei and of humans at different phases of the development of the epidemic process] Shapiro MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Nov; (11):42–6 (Eng. Abstr.) **(Rus)**

SHIKIMIC ACID

ANALOGS & DERIVATIVES

Conversion of shikimic acid into 2-crotonyloxymethyl-(4R,5R,6S)-4,5,6-trihydroxycyclohex-2- ene analogous to a glyoxalase I inhibitor. Jung M. **J Antibiot (Tokyo)** 1987 May;40(5):720–2

METABOLISM

The shikimate pathway. V. Fluorine-containing analogues of 3-deoxy-D-arabino hept-2-ulosonate-7-phosphate (DAHP). Le Maréchal P, et al. **Biochimie** 1986 Oct–Nov; 68(10–11):1211–5

Studies on the biosynthesis of the alpha-glucosidase inhibitor acarbose: valienamine, a m-C7N unit not derived from the shikimate pathway. Degwert U, et al. **J Antibiot (Tokyo)** 1987 Jun;40(6):855–61

SHINGLES see **HERPES ZOSTER**

SHIPPING FEVER see under **PASTEURELLA INFECTIONS**

SHIPS

Historical perspective on asbestos: policies and protective measures in World War II shipbuilding. Corn JK, et al. **Am J Ind Med** 1987;11(3):359–73

Pleural plaques and respiratory function. Järvholm B, et al. **Am J Ind Med** 1986;10(4):419–26

Cruising with COPD. Burns MR. **Am J Nurs** 1987 Apr; 87(4):479–82

Asbestos diseases and pulmonary symptoms and signs in shipyard workers and their families in Los Angeles. Kilburn KH, et al. **Arch Intern Med** 1986 Nov;146(11):2213–20

Doctor at sea [interview] Mayner P. **Aust Fam Physician** 1986 Sep;15(9):1215–6

The sanitary evaluation of the diet and water-supply on ocean-going ships. Voitenko AM. **Bull Inst Marit Trop Med Gdynia** 1986;37(1–2):81–6

Outbreak of respiratory illness on board a ship cruising to ports in southern Europe and northern Africa. Christenson B, et al. **J Infect** 1987 May;14(3):247–54

Pleural plaques, respiratory symptoms and respiratory function in shipyard workers exposed to man-made mineral fibres. Sandén A, et al. **J Soc Occup Med** 1986 Autumn; 36(3):86–9

Evaluation of a bacteriological screening method for drinking water control on board ships. Andersen LP, et al. **Milit Med** 1986 Oct;151(10):519–21

Penetrating head trauma by a boat cleat. Potts FL 3d, et al. **NC Med J** 1987 Jan;48(1):21–2

Digital high-speed sampling of combined exposure to noise and vibration. Pekkarinen J, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):327–31

Medical facilities and needs aboard a cruise ship: points to ponder before an ocean cruise. Fitzgerald RH Jr. **South Med J** 1986 Nov;79(11):1413–5

Non-commercial, accidental water transport (boating) fatalities. Copeland AR. **Z Rechtsmed** 1986;96(4):291–6

[Medical advice for seamen via radio. The Radio Medical Advice Service in Denmark] Jørgensen LN, et al. **Ugeskr Laeger** 1987 Mar 9;149(11):743–6 (Eng. Abstr.) (Dan)

[Temporary work disability (work absenteeism) for reasons of sickness among workers in the shipbuilding industry] Sygit M, et al. **Sante Publique (Bucur)** 1987 Jan–Mar; 30(1):35–44 (Fre)

[Damage to the knee joint in ship building] Kasch J, et al. **Beitr Orthop Traumatol** 1986 Oct;33(10):487–94 (Eng. Abstr.) (Ger)

[Plant closure and medical disability. Medical disability in connection with the closing of the Trondheim shipyard] Opsjøn SL. **Tidsskr Nor Laegeforen** 1987 Feb 20; 107(5):475–7 (Eng. Abstr.) (Nor)

[Problems of occupational rehabilitation in the shipbuilding industry. II. Rehabilitation in a group of ship welders] Sygit M, et al. **Med Pr** 1987;38(1):60–5 (Eng. Abstr.) (Pol)

[Characteristics of traumatism on board ships of the transportation fleet] Shapovalov KA. **Ortop Travmatol Protez** 1986 Sep;(9):57–9 (Rus)

[Trauma in transportation by water] Matyshev AA. **Sud Med Ekspert** 1987 Apr–Jun;30(2):46–9 (55 ref.) (Rus)

[Sterilization of surgical materials and the hand scrubbing of the surgeon using pervomur on a hospital ship] Melekhov PA, et al. **Voen Med Zh** 1986 Nov;(11):37–8 (Rus)

[Harmful factors of a physical and chemical nature on the navigational objectives of the Naval River Fleet] Petrović D, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):116–9 (Eng. Abstr.) (Ser)

STANDARDS

Sick at sea: outbreaks prompt reinstatement of cruise ship inspections. Korcok M. **Can Med Assoc J** 1987 Jun 15; 136(12):1298–300

The inspection of international cruise ships [letter] Marcus LC. **JAMA** 1986 Oct 10;256(14):1895

[Effect of the rolling motion of a ship on the sleep and physiologic functions of fisherman] Skrupskil VA. **Gig Sanit** 1986 Sep;(9):61–3 (Rus)

[Ergonometric characteristics of the workplace and function of the visual analyzer in sailors] Evstaf'ev VN. **Oftalmol Zh** 1986;(8):466–8 (Eng. Abstr.) (Rus)

SHIVERING

Anaesthetic temperature and shivering in epidural anaesthesia. Ponte J, et al. **Acta Anaesthesiol Scand** 1986 Oct;30(7):584–7

Intraocular pressure changes during muscular hyperactivity after general anesthesia. Mahajan RP, et al. **Anesthesiology** 1987 Mar;66(3):419–21

Inhibition of postanesthetic shivering with radiant heat. Sharkey A, et al. **Anesthesiology** 1987 Feb;66(2):249–52

Human studies concerning thermal-induced shivering, postoperative "shivering," and cold-induced vasodilation. Pozos RS, et al. **Ann Emerg Med** 1987 Sep;16(9):1037–41

Suppression of shivering decreases oxygen consumption and improves hemodynamic stability during postoperative rewarming. Zwischenberger JB, et al. **Ann Thorac Surg** 1987 Apr;43(4):428–31

Power spectral analysis of the surface electromyogram during shivering. Muza SR, et al. **Aviat Space Environ Med** 1986 Dec;57(12 Pt 1):1150–3

Contribution of extradural temperature to shivering during extradural anaesthesia. Walmsley AJ, et al. **Br J Anaesth** 1986 Oct;58(10):1130–4

Hypoxia-induced changes in shivering and body temperature. Gautier H, et al. **J Appl Physiol** 1987 Jun; 62(6):2477–84

The relationship of muscle electrical activity, tremor and heat production to shivering thermogenesis in Japanese quail. Hohtola E, et al. **J Exp Biol** 1986 Sep;125:119–35

The effects of hypoxia on the metabolic and cardiorespiratory responses to shivering produced by external and central cooling in the pigeon. Gleeson M, et al. **Pflugers Arch** 1986 Sep;407(3):312–9

Cardiorespiratory responses to shivering in vagotomized pigeons during normoxia and hypoxia. Gleeson M, et al. **Pflugers Arch** 1986 Dec;407(6):664–9

[Thermoregulatory activity of motor units of the human deltoid muscle] Kuz'mina GI, et al. **Fiziol Cheloveka** 1987 May–Jun;13(3):432–5 (Rus)

[Thermoregulatory activity of the motor units of skeletal muscles in the pigeon] Sorokina LV, et al. **Fiziol Zh SSSR** 1986 Nov;72(11):1571–4 (Eng. Abstr.) (Rus)

[Chills and hyperthermic reactions during hemosorption of burn patients] Baldin VG, et al. **Klin Khir** 1987;(3):45–6 (Rus)

DRUG EFFECTS

Shivering related to epidural blockade with bupivacaine in labour, and the influence of epidural pethidine. Brownridge P. **Anaesth Intensive Care** 1986 Nov;14(4):412–7

Marcain shakes [letter] Dow AA, et al. **Anaesthesia** 1987 Mar; 42(3):328–9

Effect of meperidine on oxygen consumption, carbon dioxide production, and respiratory gas exchange in postanesthesia shivering. Macintyre PE, et al. **Anesth Analg** 1987 Aug; 66(8):751–5

Inhibition of the shake response in rats by adenosine and 2-chloroadenosine. Tse SY, et al. **Psychopharmacology (Berlin)** 1986;90(3):322–6

SHOCK

Hemorrhagic shock in obstetrics. Hayashi RH. **Clin Perinatol** 1986 Dec;13(4):755–63 (26 ref.)

Seminar: Pathobiochemistry of shock. In honor of Prof. L. Róka. Giessen, 28–29 April 1987. Abstracts. **J Clin Chem Clin Biochem** 1987 Apr;25(4):205–39

First Vienna Shock Forum. Part B: Monitoring and treatment of shock. Proceedings. May 1–3, 1986. **Prog Clin Biol Res** 1987;236B:1–342

BLOOD

Delayed lactate clearance in patients surviving circulatory shock. Falk JL, et al. **Acute Care** 1985;11(3–4):212–5

Prostaglandins, leukotrienes, and platelet-activating factor in shock. Feuerstein G, et al. **Annu Rev Pharmacol Toxicol** 1987;27:301–13 (71 ref.)

Relation of arterial blood lactate to oxygen delivery and hemodynamic variables in human shock states. Groeneveld AB, et al. **Circ Shock** 1987;22(1):35–53

Comparison of blood lactate concentrations in central venous, pulmonary artery, and arterial blood. Weil MH, et al. **Crit Care Med** 1987 May;15(5):489–90

Low antithrombin III in neonatal shock: DIC or non-specific protein depletion? Schmidt BK, et al. **Eur J Pediatr** 1986 Dec;145(6):500–3

Decrease of elevated plasma leucine enkephalin levels by thyrotropin-releasing hormone in traumatic tetraplegics during spinal shock. Pathak CM, et al. **Indian J Med Res** 1986 Dec;84:598–600

Action of acetyl carnitine on patients with circulatory shock. Gasparetto A, et al. **Int J Clin Pharmacol Res** 1986; 6(4):343–5

Hemodynamics and proteolysis in experimental trypsin induced shock. Naess F, et al. **Prog Clin Biol Res** 1987; 236A:185–92

Cardiodepressant and cardiostimulant factors in shock. Nagy S. **Prog Clin Biol Res** 1987;236A:599–610

[Dynamics of coagulation-fibrinolysis by catecholamine in shock] Kaneko H. **Nippon Geka Hokan** 1986 May 1; 55(3):452–66 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

Cardiovascular effects of pentobarbital in pigs, and the lack of response to naloxone in pentobarbital induced circulatory failure. Strøm J, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):413–6

Vancomycin [letter] Martin DC. **Neurosurgery** 1986 Oct; 19(4):677

An infant fatality following verapamil therapy for supraventricular tachycardia: cardiovascular collapse following intravenous verapamil. Garland JS, et al. **Pediatr Emerg Care** 1985 Dec;1(4):198–200

Chloramphenicol-induced cardiovascular collapse in an anephric patient. Phelps SJ, et al. **Pediatr Infect Dis J** 1987 Mar;6(3):285–8

Hypotensive shock associated with bradycardia after intravenous injection of contrast medium. Poulsen J, et al. **Radiology** 1987 Jul;164(1):275–6

Reversible hypovolaemic shock and myocardial ischaemia caused by contrast medium administered during diagnostic cardiac angiography. A case report. Przybojewski JZ. **S Afr Med J** 1987 Jan 10;71(1):43–6

Shock and tissue injury induced by recombinant human cachectin. Tracey KJ, et al. **Science** 1986 Oct 24; 234(4775):470–4

[Acute circulatory shock as a side effect of droperidol in a patient addicted to hard drugs with amphetamine poisoning] Koerselman GF, et al. **Ned Tijdschr Geneeskd** 1987 Jun 13;131(24):1047–9 (Eng. Abstr.) (Dut)

[Clinical picture and various questions concerning the pathogenesis and prevention of complications of teturam therapy of alcoholic patients] Guliamov MG, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):254–60 (Eng. Abstr.) (Rus)

COMPLICATIONS

Nephrotic syndrome due to glomerulonephritis and acute renal failure due to hypovolemic shock [clinical conference] **Am J Nephrol** 1986;6(5):403–12

Obliterative segmental sclerosis of pancreatic islets. A possible consequence of hypotensive shock in young BB rats. Seemayer TA, et al. **Am J Pathol** 1986 Nov; 125(2):327–31

Renal response to shock. Burke TJ, et al. **Ann Emerg Med** 1986 Dec;15(12):1397–400

Chest pain, shock, and pneumomediastinum in a previously healthy 56-year-old man [clinical conference] Uehara DT, et al. **Ann Emerg Med** 1987 Mar;16(3):359–64

Atrial fibrillation precipitated by acute hypovolaemia. Edwards JD, et al. **Br Med J** 1987 Jan 31;294(6567):283–4

Shock-induced alterations in hemostasis. Heene DL, et al. **Klin Wochenschr** 1986;64 Suppl 7:14–7

[Is organ failure in hypovolemic-traumatic shock the result of the reperfusion syndrome or of other mediators?] Schlag G, et al. **Anaesthesist** 1986 Nov;35(11):651–60 (68 ref.) (Eng. Abstr.) (Ger)

DIAGNOSIS

[Use of the rectal-skin temperature gradient for the rapid evaluation of the severity and prediction of the outcomes in critical states] Nazarenko GI. **Vestn Khir** 1986 Oct; 137(10):120–2 (Eng. Abstr.) (Rus)

DRUG THERAPY

Effects of prenalterol on central hemodynamics and myocardial metabolism in experimental propoxyphene-induced shock. Häggmark S, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):52–6

Antishock effects of corticosterone on dextran-induced shock in rats. Kogure K, et al. **Am J Physiol** 1986 Nov; 251(5 Pt 1):E569–75

Hemodynamics and metabolic effects of fructose 1-6 diphosphate in ischemia and shock--experimental and clinical observations. Markov AK. **Ann Emerg Med** 1986 Dec;15(12):1470–7

The effects of naloxone, dexamethasone, deoxycorticosterone and 17-hydroxyprogesterone on blood pressure responses of normal and adrenalectomized rats during hypovolaemic shock. Khalid BA, et al. **Clin Exp Pharmacol Physiol** 1987 Feb;14(2):111–7

Pharmacotherapy of circulatory shock. Higgins TL, et al. **Dis Mon** 1987 Jun;33(6):309–61 (192 ref.)

Naloxone in treatment of circulatory shock resistant to conventional therapy. Allolio B, et al. **Klin Wochenschr** 1987 Mar 2;65(5):213–7

Anti-shock effect of ACTH-(1-24) in rats: comparison between intracerebroventricular and intravenous route of administration. Guarini S, et al. **Pharmacol Res Commun** 1987 Mar;19(3):255–60

Dopamine in the management of shock. Thompson WL. **Proc R Soc Med** 1977;2:25–35

Oxygen radicals scavenging in prophylaxis and treatment of experimental shock. Novelli GP, et al. **Prog Clin Biol Res** 1987;236A:259–69

[Choice of a sympathomimetic amine for treating acute circulatory failure of peripheral origin] Melchior JC, et al. **Ann Fr Anesth Reanim** 1986;5(3):27A–31A (30 ref.) (Fre)

[Recurrent shock with monoclonal gammopathy. Treatment in the acute and chronic phases with oral and parenteral Ginkgo biloba extract] Lagrue G, et al. **Presse Med** 1986 Sep 25;15(31):1554–5 (Eng. Abstr.) (Fre)

[Hypoxemic shock and the myocardium. Effect of cardiovasoactive substances on the course of shock] Kontokollias JS. **Fortschr Med** 1986 Oct 9;104(38):715–8 (Eng. Abstr.) (Ger)

[New prospectives for the treatment of shock: endogenous antagonists of opioids] Bertolini A. **Clin Ter** 1986 Dec 15; 119(5):355–67 (Eng. Abstr.) (Ita)

[Programs for emergency care] **Nippon Rinsho** 1986 Nov;44 Suppl:1253–311 (Jpn)

ENZYMOLOGY

Studies on shock during extracorporeal circulation during aorto-coronary bypass operations. Heller W, et al. **Prog Clin Biol Res** 1987;236A:87–94

The proteinases in shock. Schlag G, et al. **Resuscitation** 1986 Sep;14(1-2):3–21

[Pathobiochemistry of circulatory shock] Scheuch DW. **Z Med Lab Diagn** 1986;27(8):411–9 (Ger)

[Blood phospholipases in burn shock] Zaets TL, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):403–4 (Eng. Abstr.) (Rus)

ETIOLOGY

Caudal anesthesia and cardiovascular collapse in an infant [letter] Rice LJ, et al. **Anesth Analg** 1987 Jul;66(7):694

Excessive airway pressure due to a malfunctioning anesthesia ventilator. Roth S, et al. **Anesthesiology** 1986 Nov; 65(5):532–4

Unusual presentation and novel solution for hemodynamic compromise during thoracic surgery. Wall RT, et al. **Anesthesiology** 1987 Apr;66(4):566–8

Rupture of cornual ectopic pregnancy after dilatation and curretage. Zorko MF. **Ann Emerg Med** 1987 Jul; 16(7):808–10

Transient shock and myocardial impairment caused by phaeochromocytoma crisis. Shaw TR, et al. **Br Heart J** 1987 Feb;57(2):194–8

Collapse during basketball "marathon" [letter]Rafla N, et al. **Br J Sports Med** 1986 Sep;20(3):148

Relation of oxygen transport patterns to the pathophysiology and therapy of shock states. Shoemaker WC.

Intensive Care Med 1987;13(4):230–43

Recognition of hypotensive shock on abdominal computed tomography. Radin DR, et al. **J Comput Tomogr** 1986 Oct; 10(4):299–301

Physiological and immunologic disturbances associated with shock in a primate model of Lassa fever. Fisher-Hoch SP, et al. **J Infect Dis** 1987 Mar;155(3):465–74

Polyurethane sheath disintegration causing impaction of pacer lead and shock during attempted removal [letter] Smyth NP. **PACE** 1987 Jan;10(1 Pt 1):154

Colloid oncotic pressure in severe dengue shock syndrome. Hassan R, et al. **Paediatr Indones** 1986 Nov–Dec; 26(11–12):213–9

Postreperfusion syndrome: cardiovascular collapse following hepatic reperfusion during liver transplantation. Aggarwal S, et al. **Transplant Proc** 1987 Aug;19(4 Suppl 3):54–5

[Circulatory collapse during surgery due to an undiagnosed asymptomatic pheochromocytoma] Egersgård JE, et al. **Ugeskr Laeger** 1987 Jan 26;149(5):301 (Eng. Abstr.) **(Dan)**

[Role of endogenous opioid peptides in the pathogenesis of circulatory shock] Balzano S, et al. **Clin Ter** 1987 Apr 15; 121(1):51–61 (76 ref.) (Eng. Abstr.) **(Ita)**

[Fatal shock in a case of Lyell's syndrome] Castelli R, et al. **Minerva Anestesiol** 1986 Oct;52(10):345–50 (Eng. Abstr.) **(Ita)**

[Heart failure related to hypovolemia after cardiac surgery] Matsuki O, et al. **Kyobu Geka** 1986 Nov;39(11):864–8 (Eng. Abstr.) **(Jpn)**

[The role of disorders of transcapillary exchange in the development of postresuscitation hypovolemia] Evtushenko AIa, et al. **Anesteziol Reanimatol** 1987 Jan–Feb;(1):50–3 (Eng. Abstr.) **(Rus)**

[Clinical picture, pathogenesis and treatment of shock in various infectious diseases] Bulychev VV, et al. **Klin Med (Mosk)** 1986 Nov;64(11):23–32 (Eng. Abstr.) **(Rus)**

[Endogenous intoxication in the pathogenesis of post-resuscitation disease] Negovskiĭ VA, et al. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):11–4 **(Rus)**

[Hypovolemic shock and the state of microcirculation in patients with food poisoning] Rashchinskiĭ MI. **Ter Arkh** 1986;58(10):51–4 (Eng. Abstr.) **(Rus)**

[Unusual findings in heat stroke] Alted López EJ, et al. **Rev Clin Esp** 1987 Apr;180(6):311–3 (Eng. Abstr.) **(Spa)**

[A case of peritonism in transurethral resection of a neoplasm of the dome of the urinary bladder (letter)] Barrera E, et al. **Rev Esp Anestesiol Reanim** 1986 Jul–Aug;33(4):276 **(Spa)**

IMMUNOLOGY

Anaphylatoxins: possible roles in disease. Vogt W. **Complement** 1986;3(3):177–88 (76 ref.)

Complement activity in shock. Heideman M, et al. **Prog Clin Biol Res** 1987;236A:3–9

METABOLISM

Neurohypophyseal secretion in hypovolemic rats: inverse relation to sodium appetite. Stricker EM, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R889–96

Tissue oxygen extraction during hypovolemia: role of hemoglobin P50. Schumacker PT, et al. **J Appl Physiol** 1987 May;62(5):1801–7

[Degree of hydration of the cerebral cortex in decompensated hypovolemic shock] Kozhura VL, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):26–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Form variants of globular hyaline microthrombi. Light microscopy, immunohistochemical and scanning and transmission electron microscopy observations] Oehmichen M, et al. **Z Rechtsmed** 1986;97(1):29–40 (Eng. Abstr.) **(Ger)**

[Histopathological studies on tourniquet shock death] Ikeda N, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):15–20 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Intestinal vascular obstruction shock in the rat. Effect of 2 dextran solutions on blood and plasma volumes, cardioinhibitory activity in blood and pulmonary platelet trapping. Haglind E, et al. **Acta Chir Scand** 1987 Feb; 153(2):87–92

Interaction between myocardial depressant factor and vasoactive mediators with ischemia and shock. Lefer AM. **Am J Physiol** 1987 Feb;252(2 Pt 2):R193–205 (110 ref.)

Renal failure in dogs with experimental acute pancreatitis: role of hypovolemia. Levy M, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):F969–77

Hemodynamic effects of high-frequency jet ventilation in patients with and without circulatory shock. Fusciardi J, et al. **Anesthesiology** 1986 Nov;65(5):485–91

Endocrinology of shock. Woolf PD. **Ann Emerg Med** 1986 Dec;15(12):1401–5 (25 ref.)

Cardiocirculatory function in the intoxicated shocked dog: acid base derangements. Horton JW. **Circ Shock** 1987; 22(1):23–34

Increased inotropic state during splanchnic artery occlusion shock in the dog. Kober PM, et al. **Circ Shock** 1987; 21(2):97–110

Effects of a platelet-activating factor antagonist, CV-3988, on different shock models in the rat. Toth PD, et al. **Circ Shock** 1986;20(3):193–203

Progressive central hypovolaemia in man—resulting in a vasovagal syncope? Haemodynamic and endocrine variables during venous tourniquets of the thighs. Sander-Jensen K, et al. **Clin Physiol** 1987 Jun;7(3):231–42

Correlation of plasma beta-endorphin levels with mean arterial pressure and cardiac output in hypovolemic shock. Daly T, et al. **Crit Care Med** 1987 Aug;15(8):723–5

Evaluation of prognostic indices based on hemodynamic and oxygen transport variables in shock patients with adult respiratory distress syndrome. Hankeln KB, et al. **Crit Care Med** 1987 Jan;15(1):1–7

Circulatory mechanisms of shock and their mediators. Shoemaker WC. **Crit Care Med** 1987 Aug;15(8):787–94

Danger of using core/peripheral temperature gradient as a guide to therapy in shock. Woods I, et al. **Crit Care Med** 1987 Sep;15(9):850–2

Shock in infants and children. Pollock MM, et al. **Emerg Med Clin North Am** 1986 Nov;4(4):841–57 (33 ref.)

Effects of atriopeptin III on renal function, regional blood flows and left ventricular function in conscious dogs in presence or absence of hypovolaemia. Habib BR, et al. **Eur J Clin Invest** 1986 Dec;16(6):461–7

Changes in the levels of coenzyme Q homologues, alpha-tocopherol and malondialdehyde in human tissue during the course of circulatory shock. Corbucci GG, et al. **Int J Tissue React** 1986;8(5):421–30

Elevated pulmonary capillary wedge pressure in a patient with hypovolemia. Tuchschmidt J, et al. **J Clin Monit** 1987 Jan;3(1):67–9

Absence of a tachycardic response to intraperitoneal hemorrhage. Adams SL, et al. **J Emerg Med** 1986; 4(5):383–9

Parvocellular neurosecretory neurons: converging inputs after saphenous nerve and hypovolemic stimulations in the rat. Hamamura M, et al. **Jpn J Physiol** 1986;36(5):921–33

Pathophysiological and morphological aspects of cellular lesions. Raute-Kreinsen U, et al. **Klin Wochenschr** 1986;64 Suppl 7:1–6

Cellular metabolic alterations in shock. Schumer W. **Klin Wochenschr** 1986;64 Suppl 7:7–13

PAF-acether and leukotriene participation in acute circulatory shock. Bessin P. **Pharmacol Res Commun** 1986 Aug;18 Suppl:139–50

Evidence of a role for PAF-acether in the pathophysiology of the shock state. Sanchez Crespo M, et al. **Pharmacol Res Commun** 1986 Aug;18 Suppl:181–96

Effects of ketamine on the circulatory functions and body tissue oxygenation in dogs under normal and hypovolemic conditions. Chen TS, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Apr;8(2):168–76

First Vienna Shock Forum. Part A: Pathophysiological role of mediators and mediator inhibitors in shock. May 1–3, 1986. Proceedings. **Prog Clin Biol Res** 1987;236A:1–664

Occurrence of a circadian rhythmicity for blood pressure in patients with circulatory shock. Cugini P, et al. **Prog Clin Biol Res** 1987;227B:173–82

Granulocytes as mediators of tissue injury in shock: therapeutic implications. Hammerschmidt DE, et al. **Prog Clin Biol Res** 1987;236A:19–31

Evaluation of heart performance with special emphasis on severe hemodynamic changes during hypovolemic-traumatic shock. Krösl P, et al. **Prog Clin Biol Res** 1987;236A:561–72

Protease inhibitor infusion improves survival rate and hemodynamics in experimental pancreatic shock. Ruud TE, et al. **Prog Clin Biol Res** 1987;236A:193–201

Intestinal vascular obstruction in the cat. Right heart function in a shock model. Haglind E, et al. **Res Exp Med (Berl)** 1986;186(4):285–94

Diprenorphine inhibits selectively the vasopressin response to hypovolemic stimuli. Robertson GL, et al. **Trans Assoc Am Physicians** 1985;98:322–33

Blood circulation in the urethra during hypovolemia—an experimental study. Talja M, et al. **Urol Res** 1986; 14(5):267–70

A new approach to physiology, monitoring, and therapy of shock states. Shoemaker WC. **World J Surg** 1987 Apr; 11(2):133–46

Effect of experimental shock conditions on the serum T4 level of rats and response of their thyroid gland to exogenous TSH. Nagy SU, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(2):113–6

[Circulatory regulation during hypovolemic shock] Sander Jensen K, et al. **Ugeskr Laeger** 1986 Sep 15;148(38):2383–7 (Eng. Abstr.) **(Dan)**

[Fetal shock syndrome] Künzel W. **Z Geburtshilfe Perinatol** 1986 Sep–Oct;190(5):177–84 (Eng. Abstr.) **(Ger)**

[Is the gallbladder a shock organ?] Mayer M, et al. **Zentralbl Chir** 1986;111(23):1456–9 (Eng. Abstr.) **(Ger)**

[Effect of temporary hypovolemia on the early central pooling of the blood circulation following resuscitation and the survival of animals experiencing clinical death] Evtushenko AIa, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):402–4 (Eng. Abstr.) **(Rus)**

[Adrenergic reactivity of blood vessels of the femoral artery pool in post-transfusion shock] Khomaziuk AI, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):38–41 (Eng. Abstr.) **(Rus)**

[Effect of blockade of adrenergic beta receptors on the development of disorders of cardio- and hemodynamics in shock of immunologic origin] Sagach VF, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):32–4 (Eng. Abstr.) **(Rus)**

[Changes in microhemocirculation in various types of shock and collapse and the evaluation of their possible use as prognostic criteria] Seleznev SA, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):25–8 (Eng. Abstr.) **(Rus)**

[Role of the endocrine system in the development of hypocalcemia in shock] Zoloev GK. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):46–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Influence of vagotomy and of atropine on the anti-shock effect of adrenocorticotropin. Guarini S, et al. **Neuropeptides** 1986 Jul;8(1):19–24

[Effect of indomethacin on the development of cardiac and hemodynamic disorders in shock of immune origin] Sagach VF. **Farmakol Toksikol** 1987 May–Jun;50(3):104–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Hypovolemic shock in children: abdominal CT manifestations. Taylor GA, et al. **Radiology** 1987 Aug; 164(2):479–81

SURGERY

The use of scoring systems as prognostic parameter after surgery and trauma. Lehmkuhl P, et al. **Prog Clin Biol Res** 1987;236B:17–24

THERAPY

The ethics of animal experimentation in the field of shock and trauma research. Lewis DH. **Acta Physiol Scand [Suppl]** 1986;554:214–20

Saline-expanded group O uncrossmatched packed red blood cells as an initial resuscitation fluid in severe shock. Schwab CW, et al. **Ann Emerg Med** 1986 Nov;15(11):1282–7

Intraosseous infusion [editorial] Redmond AD. **Arch Emerg Med** 1986 Dec;3(4):217–9

Management of shock in acute myocardial infarction: changing concepts; past, present and future. Hager WD, et al. **Cardiology** 1987;74(4):286–96

Presidential address, Ninth Annual Conference on Shock, the Shock Society, June 8–11, 1986, Scottsdale, Arizona: "Are we doing our job?" Reynolds DG. **Circ Shock** 1986; 20(2):83–90

Colloidal and crystalloidal fluid resuscitation in shock associated with increased capillary permeability. Haupt MT. **Curr Stud Hematol Blood Transfus** 1986;(53):86–100 (54 ref.)

Fluid resuscitation in circulatory shock. Colloids versus crystalloids. Kaufman BS, et al. **Curr Stud Hematol Blood Transfus** 1986;(53):186–98

Effects and side effects of colloid plasma substitutes as compared to albumin. Lutz H, et al. **Curr Stud Hematol Blood Transfus** 1986;(53):145–54

Therapeutic support of respiration and circulation. Bovill JG. **Injury** 1986 Sep;17(5):301–4

Medical antishock trousers (MAST): a review. Randall PE. **Injury** 1986 Nov;17(6):395–8 (41 ref.)

Crystalloid versus colloid: is colloid worth the cost? Gammage G. **Int Anesthesiol Clin** 1987 Spring;25(1):37–60 (67 ref.)

Shock: a systemic or cellular disease? Kirby RR. **Int Anesthesiol Clin** 1987 Spring;25(1):19–35 (46 ref.)

Cardiopulmonary arrest following penetrating trauma: guidelines for emergency hospital management of presumed exsanguination. Jones TK, et al. **J Trauma** 1987 Jan; 27(1):24–31

Modern strategies of ventilatory management in shock. Benzer H, et al. **Prog Clin Biol Res** 1987;236B:175–83 (20 ref.)

Treatment of experimental mesenteric shock by different fluids. Hamar J, et al. **Prog Clin Biol Res** 1987;236B:205–8

Dangerous treatment, shock and hypertension [letter] Burman ND. **S Afr Med J** 1987 Feb 7;71(3):192

Rapid fluid replacement for severe hypovolemia—human subject trials. Iserson KV, et al. **West J Med** 1987 Mar; 146(3):313–5

[High-flow intrailiac transfusion in the cadaver and 3 clinical cases from the point of view of the treatment of hypovolemic distress] Milhaud A, et al. **Agressologie** 1986 Nov;27(11):951–4 (Eng. Abstr.) **(Fre)**

[Accidental deep hypothermia and circulatory arrest. Treatment with extracorporeal circulation] Feiss P, et al. **Ann Fr Anesth Reanim** 1987;6(3):217–8 (Eng. Abstr.) **(Fre)**

[Blood component therapy—a transfusion plan for consequent use in volume replacement, in mass transfusion and in shock] Glück D, et al. **Anaesthesiol Reanim** 1987; 12(3):131–44 (Eng. Abstr.) **(Ger)**

[Therapeutic goals for fluid management in profound shock] Yano M, et al. **Nippon Geka Gakkai Zasshi** 1987 Jan; 88(1):6–13 (Eng. Abstr.) **(Jpn)**

[Approaches to the development of complex blood substitutes

for the treatment of shock] Levin GS.
Gematol Transfuziol 1986 Dec;31(12):13–8 (Eng. Abstr.) **(Rus)**

URINE

Hypochloruria associated with hypovolemia. Parini M.
Intensive Care Med 1986;12(4):332–4

VETERINARY

Clinical application of milbemycin D as a prophylactic agent against Dirofilaria immitis infection in dogs: clinical findings in dogs with shock-like reaction. Sasaki Y, et al.
Nippon Juigaku Zasshi 1986 Dec;48(6):1207–14

SHOCK, ANAPHYLACTIC see **ANAPHYLAXIS**

SHOCK, CARDIOGENIC

CHEMICALLY INDUCED

Cardiogenic shock due to antihistamine overdose. Reversal with intra-aortic balloon counterpulsation. Freedberg RS, et al. **JAMA** 1987 Feb 6;257(5):660–1

[Hemodynamic aspect of adiastole in oxprenolol poisoning] Delacour JL, et al. **Ann Fr Anesth Reanim** 1986;5(5):542–3 (Eng. Abstr.) **(Fre)**

[Cardiogenic shock during polychemotherapy in a patient with Hodgkin's disease] Drzewoski J, et al. **Kardiol Pol** 1986;29(8):555–9 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Compensated cardiogenic shock: a subset with damage limited to liver and kidneys. The possible salutary effect of low-dose dopamine. Naschitz JE, et al. **Cardiology** 1987; 74(3):212–8

COMPLICATIONS

The fundamental hemodynamic mechanism underlying gastric "stress ulceration" in cardiogenic shockBailey RW, et al. **Ann Surg** 1987 Jun;205(6):597–612

Important sinus bradycardia occurring after intravenous norepinephrine for terminating tachyarrhythmias associated with shock. Cotoi S, et al. **Med Interne** 1987 Apr-Jun;25(2):121–4

[Pathogenesis, clinical aspects and noninvasive diagnosis of acute hepatic ischemia in shock conditions] Wegener M, et al. **Med Klin** 1986 Dec 12;81(25–26):832–5 (Eng. Abstr.) **(Ger)**

[Value of determining and monitoring arterial acid–base equilibrium in lactic acidosis caused by cardiogenic shock] Cellamare G, et al. **Minerva Cardioangiol** 1987 Mar; 35(3):111–6 (Eng. Abstr.) **(Ita)**

[Characteristics of acute renal failure in patients in cardiogenic shock] Duraković Z. **Acta Med Iugosl** 1986; 40(3):167–75 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

The characteristics of acute renal failure in cardiogenic shock in the elderly. Duraković Z. **ZFA** 1986 Sep–Oct; 41(5):301–5

[Clinico-morphological comparisons in cardiogenic shock] Iuldashev KIu, et al. **Ter Arkh** 1986;58(12):73–7 **(Rus)**

DRUG THERAPY

Use of nitroglycerin in the treatment of acute heart failure and cardiogenic shock in patients with myocardial infarction. Belskii NE, et al. **Kor Vasa** 1987;29(2):89–97

Beneficial effect of captopril in cardiogenic shock [letter] Lipkin DP, et al. **Lancet** 1987 Aug 8;2(8554):327

[Acute myocardial infarction: emergency drug therapy—1). Cardiogenic shock] Noda T, et al. **Nippon Rinsho** 1986 Jun; 44(6):1403–8 (22 ref.) **(Jpn)**

ETIOLOGY

Spontaneous conversion of ventricular fibrillation in cardiogenic shock from acute myocardial infarction. Interian A Jr, et al. **Am J Cardiol** 1987 May 1;59(12):1200–1

Cardiogenic shock due to papillary muscle rupture in acute myocardial infarction. McNeill AJ, et al. **Int J Cardiol** 1987 Mar;14(3):376–9

Infants with myocarditis presenting with severe respiratory distress and shock. Bonadio WA, et al.
Pediatr Emerg Care 1987 Jun;3(2):110–3

Left mainstem coronary artery ostial stenosis—death after angiography. A report of 5 cases. Przybojewski JZ.
S Afr Med J 1986 Dec 20;70(13):832–7

[Myocardial infarction during postoperative peridural analgesia with opiates] Ravat F, et al.
Ann Fr Anesth Reanim 1987;6(3):207–8 (Eng. Abstr.) **(Fre)**

[Acute cardiogenic shock in prosthetic valve endocarditis in the mitral position] Ohtaki M, et al. **Kyobu Geka** 1987 Feb;40(2):141–4 (Eng. Abstr.) **(Jpn)**

[3 severe complications of electroimpulse therapy of cardiac rhythm disorders] Arleevskiĭ IP. **Klin Med (Mosk)** 1987 Jan;65(1):52–5 (Eng. Abstr.) **(Rus)**

[Pathogenesis of cardiogenic shock] Sherman DM, et al.
Patol Fiziol Eksp Ter 1986 Jul–Aug;(4):26–30 (Eng. Abstr.) **(Rus)**

[Cardiogenic shock in acute myocardial infarction] Martínez A, et al. **Rev Med Chil** 1986 Oct;114(10):947–53 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Evaluation of parameters determining prognosis in cardiogenic shock in acute myocardial infarction. Shah HG, et al. **J Postgrad Med** 1986 Jul;32(3):146–9

[Left ventricular function in cardiogenic shock: is the size of the infarct more important or the kinetics of the "unaffected" heart muscle?]Widimský P, et al.
Vnitr Lek 1986 Dec;32(12):1155–61 (Eng. Abstr.) **(Cze)**

[Cardiogenic shock. Supplementary notes from the pathophysiological, morphological and clinical viewpoints (letter)] Jentsch G, et al. **Dtsch Med Wochenschr** 1987 Jan 9;112(2):78–9 **(Ger)**

[Cardiogenic shock (letter)] Pop T, et al.
Dtsch Med Wochenschr 1987 May 1;112(18):741 **(Ger)**

SURGERY

Surgical treatment of cardiogenic shock after myocardial infarction. Laks H, et al. **Circulation** 1986 Nov;74(5 Pt 2):III11–6

THERAPY

Mechanical assistance for cardiogenic shock following cardiac surgery, myocardial infarction, and cardiac transplantation. Zumbro GL, et al. **Ann Thorac Surg** 1987 Jul;44(1):11–3

Cardiogenic shock in right ventricular infarction managed with a combined thermodilution and pacing pulmonary artery flotation catheter. Edwards JD, et al.
Arch Emerg Med 1987 Jun;4(2):107–10

Temporary mechanical support for cardiogenic shock. Pennington DG, et al. **ASAIO Trans** 1986 Oct–Dec; 32(2):629–32

Clinical consideration of a left ventricular assist system for acute myocardial infarction with cardiogenic shock. Takano H, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):467–73

Cardiogenic shock. Current concepts in management. Balakumaran K, et al. **Drugs** 1986 Oct;32(4):372–82

Aggressive therapy in the care of the critically ill patient [clinical conference] Smith MA, et al. **J Fam Pract** 1987 Aug;25(2):119–20, 122–4

Long-term results of ventricular assist pumping in postcardiotomy cardiogenic shock. Pae WE Jr, et al.
J Thorac Cardiovasc Surg 1987 Mar;93(3):434–41

[Clinical application of special emergency therapy: intra-aortic balloon pumping in the therapy of cardiogenic shock due to myocardial infarction and its limitations] Ishii T, et al. **Nippon Rinsho** 1986 Jun;44(6):1420–4 (15 ref.) **(Jpn)**

SHOCK, ENDOTOXIC see **SHOCK, SEPTIC**

SHOCK, HEMORRHAGIC

Further observations in haemorrhagic shock and encephalopathy syndrome. Hervás JA, et al.
Helv Paediatr Acta 1986 Dec;41(5):469–71

A method for hemorrhagic shock in the rat. van der Meer C, et al. **J Pharmacol Methods** 1987 Mar;17(1):75–82

BLOOD

Venous hypercarbia in canine hemorrhagic shock. Benjamin E, et al. **Crit Care Med** 1987 May;15(5):516–8

Role of neutrophils in hemorrhagic shock-induced gastric mucosal injury in the rat. Smith SM, et al.
Gastroenterology 1987 Sep;93(3):466–71

Plasma protein in dengue hemorrhagic fever/dengue shock syndrome. Suminta, et al. **Paediatr Indones** 1986 Mar–Apr; 26(3–4):56–61

[The role of leukocytes in the pathogenesis of microcirculatory disorders during shock] Zhao KS.
Chung Hua I Hsueh Tsa Chih 1986 Dec;66(12):722–5, 774 (Eng. Abstr.) **(Chi)**

[Effect of shock on plasma levels of thyroid hormones in dogs] Kudo M, et al. **Masui** 1987 Feb;36(2):197–203 (Eng. Abstr.) **(Jpn)**

[Effect of hemorrhagic shock on plasma atrial natriuretic polypeptide levels in dogs] Sakai T. **Masui** 1987 Jan; 36(1):21–31 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Efficacy of military antishock trousers in compensatory and decompensatory hemorrhagic hypotension. Johnson G 3d, et al. **Circ Shock** 1987;21(3):233–45

Quantifying stress ulceration in canine hemorrhagic shock. Ephgrave KS, et al. **Curr Surg** 1987 Jan–Feb;44(1):38–42

Nonocclusive ischemic colitis secondary to hemorrhagic shock. Byrd RL, et al. **Dis Colon Rectum** 1987 Feb; 30(2):116–8

[Hemorrhagic shock syndrome with encephalopathy] Hervé F, et al. **Arch Fr Pediatr** 1987 Mar;44(3):195–7 (Eng. Abstr.) **(Fre)**

[A study on the mechanism of development of acute gastric ulcer in hemorrhagic shock—with special reference to the relation of PGE2 and noradrenaline levels in the gastric mucosa and changes in gastric mucosal blood flow] Fukuoka S, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun; 88(6):701–9 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The rise of blood sugar as an additional parameter in traumatic shock. Holzrichter D, et al.
Arch Orthop Trauma Surg 1987;106(5):319–22

DIET THERAPY

Supplemental dietary tyrosine in sepsis and acute hemorrhagic shock. Simon R, et al. **Arch Surg** 1987 Jan; 122(1):78–81

DRUG THERAPY

Hypertonic sodium chloride solutions for the prehospital management of traumatic hemorrhagic shock: a possible improvement in the standard of care? Maningas PA, et al.
Ann Emerg Med 1986 Dec;15(12):1411–4

Beneficial actions of thromboxane receptor antagonism in hemorrhagic shock. Bitterman H, et al. **Circ Shock** 1986; 20(1):1–11

Beneficial effect of thyrotropin-releasing hormone in canine hemorrhagic shock. Teba L, et al. **Circ Shock** 1987; 21(1):51–7

Hemodynamic effects of naloxone on hemorrhagic shock in the beagle. Toth PD, et al. **Circ Shock** 1986;20(1):35–42

Hemorrhagic shock reversal with intra arterial hydrogen peroxide. McIlroy RH, et al. **Colo Med** 1986 Dec 1; 83(20):348–9

Thyrotropin releasing hormone: effects in monkeys and dogs subjected to experimental circulatory shock. Gurll NJ, et al. **Crit Care Med** 1987 Jun;15(6):574–81

The effects of exogenous calcium administration in the treatment of hemorrhagic shock. Fry WR, et al.
Curr Surg 1987 Mar–Apr;44(2):120–4

ACTH-(1–24) restores blood pressure in acute hypovolaemia and haemorrhagic shock in humans. Bertolini A, et al.
Eur J Clin Pharmacol 1987;32(5):537–8

Alpha-MSH and other ACTH fragments improve cardiovascular function and survival in experimental hemorrhagic shock. Bertolini A, et al. **Eur J Pharmacol** 1986 Oct 14;130(1–2):19–26

Modulation of cardiovascular reactivity with calcium channel blockers in rats subjected to haemorrhagic shock. Deep G, et al. **Indian J Exp Biol** 1986 Aug;24(8):524–7

Effect of desferrioxamine mesylate (Desferal) in anaesthetized dogs with clinical haemorrhagic shock. Sanan S, et al.
Indian J Med Res 1986 Jun;83:655–7

Potentiation of the protective effects of a converting enzyme inhibitor and a thromboxane synthetase inhibitor in hemorrhagic shock. Bitterman H, et al.
J Pharmacol Exp Ther 1987 Jul;242(1):8–14

Studies on cellular mechanism of the antishock action of anisodamine in rats—effect of anisodamine on the stability of liver lysosomes and comparison of its membrane-stabilizing action with that of dexamethasone. Zhu Y, et al. **J Tongji Med Univ** 1986;6(4):221–7

Influence of steroids on hemorrhagic and traumatic shock. Hardaway RM, et al. **J Trauma** 1987 Jun;27(6):667–70

Adrenocorticotropin reversal of experimental hemorrhagic shock is antagonized by morphine. Bertolini A, et al.
Life Sci 1986 Oct 6;39(14):1271–80

Caerulein and cholecystokinin reverse experimental hemorrhagic shock. Bertolini A, et al. **Neuropeptides** 1986 Jul;8(1):25–31

Beneficial effects of adenosine triphosphate-MgCl2 administered intravenously to rabbits subjected to haemorrhagic shock. Engelbrecht FM, et al.
S Afr Med J 1986 Oct 11;70(8):483–6

Increasing survival of dogs subjected to hemorrhagic shock by administration of fructose 1–6 diphosphate. Markov AK, et al. **Surgery** 1987 Sep;102(3):515–27

Pentoxifylline improves tissue oxygenation after hemorrhagic shock. Waxman K, et al. **Surgery** 1987 Aug;102(2):358–61

[Naloxone treatment of shock] Petkova M.
Khirurgiia (Sofiia) 1986;39(3):58–62 (24 ref.) **(Bul)**

[Effects of urinastatin on hepatic energy metabolism of the rat in acute hemorrhagic shock] Kashimoto S, et al.
Masui 1986 Oct;35(10):1495–8 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[The effect of acupuncture at renzhong on hepatic phosphorylase of rabbits during hemorrhagic shock. Histochemical observation] Wen S, et al.
Chen Tzu Yen Chiu 1986;11(4):258–62 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Hemorrhagic shock and encephalopathy syndrome. Its association with hyperthermia. Sofer S, et al.
Am J Dis Child 1986 Dec;140(12):1252–4

The relationship between total prehospital time and outcome in hypotensive victims of penetrating injuries. Pepe PE, et al. **Ann Emerg Med** 1987 Mar;16(3):293–7

Shock in an elderly woman. Brennan M, et al.
J Tenn Med Assoc 1986 Sep;79(9):561–2

Hemorrhage and shock due to intestinal malabsorption. Berezin S, et al. **Pediatr Emerg Care** 1986 Jun;2(2):91–2

An animal model for the study of hemorrhagic shock from abdominal trauma in children. Fleisher GR, et al.
Pediatr Emerg Care 1987 Mar;3(1):18–21

[Spontaneous rupture of the splenic artery as the cause of death of a patient with liver cirrhosis] Kuydowicz J, et al. **Wiad Lek** 1986 Dec 15;39(24):1706–8 (Eng. Abstr.) **(Pol)**

[Basic mechanisms of the pathogenesis of hemorrhagic shock] Levin GS. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):10–5 (19 ref.) **(Rus)**

[Mechanism of disorders of liver mitochondria functions in irreversible hemorrhagic shock] Tremasova GIa, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):21–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The effect of steroids for shock on the immune response to tetanus toxoid. Johnson JR, et al. **Am Surg** 1987 Jul; 53(7):389–91

Dengue-specific IgM and dengue haemorrhagic fever/shock [letter] Pang T. **Lancet** 1987 Apr 25;1(8539):988

METABOLISM

The effect of hemorrhagic stress on liver gluconeogenesis. An isolated rat liver perfusion study with three-carbon units as substrates. Boija PO, et al. **Acta Chir Scand** 1987 Apr;153(4):273–8

Blood and tissue oxygenation during hemorrhagic shock as determined with ultramicro oxygen electrodes. Fitts CT, et al. **Adv Exp Med Biol** 1973;37A:477–84

Factors determining total body and hind limb oxygen consumption in normal and shocked dogs. Halmagyi DF, et al. **Adv Exp Med Biol** 1973;37A:491–7

Signs of hypoxia in the small intestine of the rat during hemorrhagic shock. Rink R, et al. **Adv Exp Med Biol** 1973; 37A:469–75

Local PO2 in relation to intracellular pH, cell membrane potential and potassium leakage in hypoxia and shock. Silver IA. **Adv Exp Med Biol** 1973;37A:223–31

Local oxygen supply in intra-abdominal organs and in skeletal muscle during hemorrhagic shock. Sinagowitz E, et al. **Adv Exp Med Biol** 1973;37A:505–11

Local and whole organ renal oxygenation under hemorrhagic shock. Strauss J, et al. **Adv Exp Med Biol** 1973;37A:485–9

Ion transport in circulatory and/or septic shock. Sayeed MM. **Am J Physiol** 1987 May;252(5 Pt 2):R809–21 (67 ref.)

Calcium homeostasis after parathyroidectomy in normal and shocked states. McGonigal MD, et al. **Am Surg** 1987 Aug; 53(8):429–33

Effect of hemorrhagic shock on cefazolin and gentamicin pharmacokinetics in dogs. Dickson PL, et al. **Antimicrob Agents Chemother** 1987 Mar;31(3):389–92

Vicarious excretion of urographic contrast in a multiple trauma patient. Kim SR, et al. **Br J Urol** 1987 May; 59(5):482–3

Influence of hematocrit on cardiopulmonary function after acute hemorrhage. Fortune JB, et al. **J Trauma** 1987 Mar; 27(3):243–9

Alterations in metabolite levels in carbohydrate and energy metabolism of rat in hemorrhagic shock and sepsis. Mori E, et al. **Metabolism** 1987 Jan;36(1):14–20

[Effect of electroacupuncture on atriopeptin granules in the rat atrium with hemorrhagic shock–immunocytochemical observations] Huang WM, et al. **Chen Tzu Yen Chiu** 1986; 11(4):241–5 (Eng. Abstr.) **(Chi)**

[The effect of acupuncture at renzhong on hepatic glycogen of rabbits during hemorrhagic shock—a histochemical study] Wen S, et al. **Chen Tzu Yen Chiu** 1986;11(4):263–7 (Eng. Abstr.) **(Chi)**

[Sympathetic innervation of rabbit liver parenchyma and the effect of acupuncture during hemorrhagic shock] Wen S, et al. **Chen Tzu Yen Chiu** 1986;11(4):252–7 (Eng. Abstr.) **(Chi)**

[Mechanism of insulin resistance in response to injury] Kubo M, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):795 **(Jpn)**

[Changes in nucleic acid biosynthesis in the cerebral cortex in long-term hemorrhagic shock and in the post-resuscitation period] Kozhura VL. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

[Mechanism of activation of the external pathway of NADH oxidation in myocardial mitochondria during hemorrhagic shock] Shamkulashvili GG, et al. **Biokhimiia** 1987 Jan; 52(1):37–41 (Eng. Abstr.) **(Rus)**

[Oxygen tension indicator in evaluating the severity of the course and outcome of experimental shock] Shtykhno IuM, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):28–31 (Eng. Abstr.) **(Rus)**

MORTALITY

Superoxide radicals and hemorrhagic shock: are intravascular radicals associated with mortality? Lee ES, et al. **J Surg Res** 1987 Jan;42(1):1–6

PATHOLOGY

Hemorrhagic shock impairs myocardial cell volume regulation and membrane integrity in dogs. Horton JW. **Am J Physiol** 1987 Jun;252(6 Pt 2):H1203–10

Light and electron microscopic observations of the white pulp of the dog spleen during hemorrhagic shock. Kajihara H, et al. **Pathol Res Pract** 1986 Oct;181(5):586–95

[Role of oxygen-derived free radicals in hemorrhagic shock-induced small intestinal lesions in the rat] Yoshimura S. **Nippon Shokakibyo Gakkai Zasshi** 1986 Dec;83(12):2637 **(Jpn)**

[Myocardial lesions in experimental hemorrhagic and traumatic shock] Laky D, et al. **Rev Chir [Chir]** 1987 Jan–Feb;36(1):57–62 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Central opioid mechanisms and cardiovascular control in hemorrhagic hypotension. Sandor P, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):H507–11

Hypertonic saline as a resuscitation solution in hemorrhagic shock: effects on extravascular lung water and cardiopulmonary function. Layon J, et al. **Anesth Analg** 1987 Feb;66(2):154–8

Microcirculatory changes in visceral organs during slowly progressing hypovolaemia in pigs. Lehtola A, et al. **Ann Chir Gynaecol** 1986;75(5):290–4

Microcirculation of dogs in hemorrhagic shock and after treatment. Matsumoto T, et al. **Arch Surg** 1968 Feb; 96(2):179–83

Pathophysiology of haemorrhagic shock. Seeley HF. **Br J Hosp Med** 1987 Jan;37(1):14, 16–20 (18 ref.)

Comparison of the hemodynamic effects of sodium acetate in euvolemic dogs and in dogs submitted to hemorrhagic shock. Saragoça MA, et al. **Braz J Med Biol Res** 1986; 19(3):455–8

A computer model of hemorrhagic shock in domestic swine. Berman J, et al. **Circ Shock** 1987;21(2):85–96

Detrimental effect of recent thyroidectomy on hemorrhagic shock and resuscitation. Gallick HL, et al. **Circ Shock** 1987; 21(2):111–9

Central nervous system is involved in the cardiovascular responses to naloxone in canine endotoxic but not hemorrhagic shock. Gurll NJ, et al. **Circ Shock** 1987; 22(2):115–25

Effect of hemorrhagic shock on oxidative phosphorylation and blood flow in rabbit gastrointestinal mucosa. Martin LF, et al. **Circ Shock** 1987;21(1):39–50

Resuscitation in haemorrhagic shock—pulmonary and renal effects: an adverse effect of stabilised plasma protein solution on renal function? Ramsay G, et al. **Circ Shock** 1987;22(3):261–8

Response of Japanese quail to hemorrhagic stress after exposure to microwave radiation during embryogeny. Gildersleeve RP, et al. **Comp Biochem Physiol [A]** 1986; 85(4):679–87

Pulmonary function after hemorrhagic shock in pigs. Moosa HH, et al. **Curr Surg** 1987 May–Jun;44(3):199–201

Effect of exogenous acid on the rat gastric mucosal microcirculation in hemorrhagic shock. Morishita T, et al. **Gastroenterology** 1987 Jun;92(6):1958–64

Variations of gastric transmucosal potential difference and lesion formation during hemorrhagic shock in the rat. Takeuchi K, et al. **Gastroenterology** 1986 Nov; 91(5):1113–22

Permeability of barriers to albumin flux in lungs of sheep resuscitated from hemorrhagic shock. Gorin AB, et al. **J Appl Physiol** 1986 Dec;61(6):2156–61

Comparison of approaches to stress ulcer prophylaxis in hemorrhagic shock. Ephgrave KS, et al. **J Surg Res** 1987 Jul;43(1):52–61

Adenosine in hemorrhagic shock: possible role in attenuating sympathetic activation. Tung CS, et al. **Life Sci** 1987 Sep 14;41(11):1375–82

Heart rate during hypotensive central hypovolemia before and after atropine in man. Sander-Jensen K, et al. **Prog Clin Biol Res** 1987;236A:629–32

Pulmonary pressure-flow relation after trauma and hemorrhagic shock. Klöss T, et al. **Res Exp Med (Berl)** 1986;186(5):325–36

Permeability of red-cell membrane to adenosine triphosphate (ATP) molecules during hemorrhagic shock. Chiao JJ, et al. **Surgery** 1987 Sep;102(3):528–33

[The anti-shock effect of the acupoint renzhong and characteristics of its hemodynamics] Ma RC, et al. **Chen Tzu Yen Chiu** 1986;11(4):246–8 (Eng. Abstr.) **(Chi)**

[Changes in microvascular permeability in shock in rabbits using FITC-labelled dextran] Jin HM. **Chung Hua I Hsueh Tsa Chih** 1986 Sep;66(9):534–7, 576 (Eng. Abstr.) **(Chi)**

[Alpha-adrenoceptors in the rat spinal cord: its role in baroreflex and hemorrhagic shock] Xie CW, et al. **Sheng Li Hsueh Pao** 1986 Apr;38(2):132–8 (Eng. Abstr.) **(Chi)**

[The behavior of intracranial pressure under spontaneous respiration or artificial respiration in hemorrhagic shock during volume substitution] Pfenninger E, et al. **Anaesthesist** 1986 Aug;35(8):485–90 (Eng. Abstr.) **(Ger)**

[Characterization of the course of shock in peripheral venous hemorrhage of 50% of the calculated blood volume in the rat] Grässler J, et al. **Z Med Lab Diagn** 1987;28(1):17–9 (Eng. Abstr.) **(Ger)**

[Adrenal circulation of rabbits in hemorrhagic and endotoxin shock] Akiyama M, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):138–42 (Eng. Abstr.) **(Jpn)**

[Energy expenditure in the contractile function of the myocardium in hemorrhagic shock] Dumbadze GG, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):17–20 (Eng. Abstr.) **(Rus)**

[Pathophysiologic basis for increasing the hemodynamic effectiveness of plasma substitutes] Levin GS, et al. **Patol Fiziol Eksp Ter** 1986 Nov–Dec;(6):49–53 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The protective action of allopurinol in an experimental model of haemorrhagic shock and reperfusion. Allan G, et al. **Br J Pharmacol** 1986 Sep;89(1):149–55

Use of pneumatic antishock trousers in the management of pediatric pelvic hemorrhage. Brunette DD, et al. **Pediatr Emerg Care** 1987 Jun;3(2):86–90

[Prevention and treatment of hemorrhagic shock in massive obstetric hemorrhage] Rubanovich GL, et al. **Akush Ginekol (Mosk)** 1986 Oct;(10):12–4 (Eng. Abstr.) **(Rus)**

THERAPY

Massive transfusion without major complications after trauma. Brotman S, et al. **Am J Emerg Med** 1986 Nov; 4(6):514–5

Current shock models and clinical correlations. Bellamy RF, et al. **Ann Emerg Med** 1986 Dec;15(12):1392–5

Fluid resuscitation following liver laceration: a comparison of fluid delivery above and below the diaphragm in a pediatric animal model. Fleisher G, et al. **Ann Emerg Med** 1987 Feb;16(2):147–52

Intravenous fluid flow beneath inflated antishock trousers in a canine hemorrhagic shock model. Mullin MJ, et al. **Ann Emerg Med** 1987 Feb;16(2):153–5

Resuscitation from hemorrhagic shock. Alterations of the intracranial pressure after normal saline, 3% saline and dextran-40. Gunnar WP, et al. **Ann Surg** 1986 Dec; 204(6):686–92

Use of hypertonic saline in the treatment of hemorrhagic shock. Bitterman H, et al. **Circ Shock** 1987;21(4):271–83

Effects of warmed fluid resuscitation in hemorrhagic shock. Burnweit CA, et al. **Curr Surg** 1986 Sep–Oct;43(5):398–402

Haemorrhagic shock-encephalopathy syndrome: plasmapheresis as a therapeutic approach. Roth B, et al. **Eur J Pediatr** 1987 Jan;146(1):83–5

Hemorrhagic shock with paradoxical bradycardia. Barriot P, et al. **Intensive Care Med** 1987;13(3):203–7

Effects of resuscitation from hemorrhagic shock on cerebral hemodynamics in the presence of an intracranial mass. Poole GV Jr, et al. **J Trauma** 1987 Jan;27(1):18–23

Hypertonic sodium chloride solutions: effect on hemodynamics and survival after hemorrhage in swine. Traverso LW, et al. **J Trauma** 1987 Jan;27(1):32–9

Pyridoxalated polymerized stroma-free hemoglobin solution (SFHS-PP) as an oxygen-carrying fluid replacement for hemorrhagic shock in dogs. Marks DH, et al. **Milit Med** 1987 May;152(5):265–71

Fluid resuscitation in canine traumatic-hemorrhagic shock: long-term comparison of hydroxyethyl starch vs. Ringer's lactate. Brückner UB, et al. **Prog Clin Biol Res** 1987; 236B:197–204

SHOCK LUNG see **RESPIRATORY DISTRESS SYNDROME, ADULT**

SHOCK, SEPTIC

New aspects in diagnosis and therapy of septic shock. Vyhnánek F, et al. **Acta Univ Carol [Med] (Praha)** 1985; 31(5–6):393–402

Pathogenesis and management of septic shock. Luce JM. **Chest** 1987 Jun;91(6):883–8 (60 ref.)

Comparison of two types of nonbarbiturate anesthetics during endotoxemia in dogs. van Lambalgen AA, et al. **Circ Shock** 1986;20(1):51–9

Septic shock in obstetrics. Gonik B. **Clin Perinatol** 1986 Dec; 13(4):741–54 (51 ref.)

Toxic shock syndrome: dental implications and guidelines. Coke JM, et al. **J Oral Med** 1983 Apr–Jun;38(2):62–3

Current perspectives on septic shock. Zimmerman JJ, et al. **Pediatr Clin North Am** 1987 Feb;34(1):131–63 (243 ref.)

Can the outcome after trauma or sepsis be predicted from biochemical or hormonal parameters? Pasch T, et al. **Prog Clin Biol Res** 1987;236B:85–95

Prognostic indices in septic shock. Villar J, et al. **Prog Clin Biol Res** 1987;236B:33–9

Toxic shock syndrome (TSS) in children. Galea P, et al. **Scott Med J** 1987 Feb;32(1):28–9

BLOOD

Septic shock in the rat: activation of plasma proteolytic systems and effects of a kallikrein inhibitor/bradykinin antagonist (S-2441). Högström H, et al. **Acta Chir Scand** 1987 Mar;153(3):161–4

Free plasma amino acids in rabbits with endotoxin shock. Nicolov NA, et al. **Agressologie** 1986 May;27(6):477–9

Plasma fibronectin. Saba TM. **Br J Hosp Med** 1986 Nov; 36(5):364, 366

The effects of alpha adrenergic blockade on arachidonic acid metabolism and shock sequelae in endotoxemia. Armstrong J, et al. **Circ Shock** 1986;20(2):151–9

Humoral factors in primate endotoxin shock. May M, et al. **Circ Shock** 1987;22(2):127–39

Influence of indomethacin on the endotoxin-induced cardiodepressant effect of serum and steroid hormone changes in male rats. Nunez EA, et al. **Circ Shock** 1987; 22(3):231–40

Dexamethasone alters glucose, lactate, and insulin dyshomeostasis during endotoxicosis in the rat. Yelich MR, et al. **Circ Shock** 1987;22(2):155–71
Prostacyclin and thromboxane A2 in septic shock: species differences. Yellin SA, et al. **Circ Shock** 1986;20(4):291–7
Persistent bactericidal defect in neutrophils from a young woman who recovered from toxic shock syndrome. Berger EM, et al. **Inflammation** 1986 Dec;10(4):463–9
Increased incidence of menstruation-associated bactericidal defects in neutrophils from women who have recovered from toxic shock syndrome. Berger EM, et al. **Inflammation** 1986 Dec;10(4):471–80
Continuous monitoring of mixed venous oxygen saturation in septic shock. Heiselman D, et al. **J Clin Monit** 1986 Oct;2(4):237–45
Continuous monitoring of mixed venous oxygen saturation in septic shock [letter] Orlando R 3d. **J Clin Monit** 1987 Jul;3(3):213–4
Biochemical characterization of circulating Met-enkephalins in canine endotoxin shock. Watson JD, et al. **J Endocrinol** 1986 Nov;111(2):329–34
The clinical significance of prostaglandins and thromboxane as mediators of septic shock. Oettinger W, et al. **Klin Wochenschr** 1987 Jan 15;65(2):61–8
Erythrocyte deformability in canine septic shock and the efficacy of pentoxifylline and a leukotriene antagonist. Puranapanda V, et al. **Proc Soc Exp Biol Med** 1987 Jun; 185(2):206–10
Clinical evaluation of the plasma chromogenic Limulus assay. Dolan SA, et al. **Prog Clin Biol Res** 1987;231:405–16
The detection of gram-negative bacteria in the blood of septic rats by a Limulus amebocyte lysate assay. du Moulin GC, et al. **Prog Clin Biol Res** 1987;231:349–56
The quantitative determination of endotoxin in plasma samples of septic patients with peritonitis using the chromogenic substrate and its correlation with the clinical course of peritonitis. Nitsche D, et al. **Prog Clin Biol Res** 1987;231:417–29
The influence of septic shock on plasma proteins, lymphocytes and metabolic parameters. Roth E, et al. **Prog Clin Biol Res** 1987;236B:67–75
Anti-proteases in endotoxemia. Traber DL. **Prog Clin Biol Res** 1987;236A:149–57
[Mediators in septic shock: strategies of securing them and assessment of their causal significance] Neugebauer E, et al. **Chirurg** 1987 Jul;58(7):470–81 (Eng. Abstr.) **(Ger)**
[Increase of plasma cholecystokinin by Escherichia coli endotoxin-induced shock in swine] Riepl R, et al. **Z Gastroenterol** 1986 Nov;24(11):691–9 (Eng. Abstr.) **(Ger)**
[The role of thromboxane A2 in shock. II. Bacteremic shock] Fukushige T. **Masui** 1987 Mar;36(3):377–83 (Eng. Abstr.) **(Jpn)**
[Effect of shock on plasma levels of thyroid hormones in dogs] Kudo M, et al. **Masui** 1987 Feb;36(2):197–203 (Eng. Abstr.) **(Jpn)**
[Effect of endotoxin shock on plasma levels of immunoreactive atrial natriuretic polypeptide and stress hormones in dogs] Shirasaki S. **Masui** 1986 Nov; 35(11):1650–60 (Eng. Abstr.) **(Jpn)**
[An increase in serum substance P levels in rabbit endotoxin shock] Ishida T. **Nippon Shokakibyo Gakkai Zasshi** 1986 Sep;83(9):2089 **(Jpn)**

CHEMICALLY INDUCED

Effects of intravascular volume expansion on lung fluid balance in a canine model of septic shock. D'Orio V, et al. **Crit Care Med** 1987 Sep;15(9):863–8

COMPLICATIONS

Volume substitution and treatment with prostaglandin E1 in a porcine model of endotoxaemia-induced pulmonary and cardiovascular failure. Modig J, et al. **Acta Chir Scand** 1987 Mar;153(3):165–70
Pathophysiologic significance of lung granulocytes in human adult respiratory distress syndrome induced by septic or traumatic shock. Modig J, et al. **Acta Chir Scand** 1987 Apr; 153(4):267–71
Acute renal failure after septic shock. Coratelli P, et al. **Adv Exp Med Biol** 1987;212:233–43
Prevention of septic ventilatory depression with naloxone. Chuang GJ, et al. **Arch Surg** 1987 Aug;122(8):940–5
Involvement of endogenous opiates in glucose-stimulated hyperinsulinism of canine endotoxin shock. Inhibition by naloxone. Merrill GA, et al. **Diabetes** 1987 May; 36(5):585–91
Toxic shock syndrome in a penicillin sensitive patient. Barry M, et al. **Ir J Med Sci** 1987 Jan;156(1):18–9
Protein C prevents the coagulopathic and lethal effects of Escherichia coli infusion in the baboon. Taylor FB Jr, et al. **J Clin Invest** 1987 Mar;79(3):918–25
Disturbances of bone growth in a child who survived septic shock [clinical conference] Acheson LS. **J Fam Pract** 1986 Oct;23(4):321–2, 324–5, 328–9
The role of endorphins and vasopressin in canine endotoxin shock. Cronenwett JL, et al. **J Surg Res** 1986 Dec; 41(6):609–19
Continuous arterio-venous hemofiltration for the treatment of acute renal failure in septic shock. Reichow W, et al. **Prog Clin Biol Res** 1987;236B:235–40
Multisystem organ failure. Schuster HP. **Prog Clin Biol Res** 1987;236A:459–62
Continuous pump driven hemofiltration (CPDHF) in septic renal failure. Sporn P, et al. **Prog Clin Biol Res** 1987; 236B:225–33
[Hydrocholecystis and staphylococcal toxic shock (letter)] Foasso MF, et al. **Gastroenterol Clin Biol** 1986 Nov; 10(11):771 **(Fre)**
[Various characteristics of the thrombohemorrhagic syndrome in a generalized form of meningococcal infection complicated by toxic-infectious shock] Poliakova AM, et al. **Ter Arkh** 1986;58(10):38–42 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Severe salicylate intoxication mimicking septic shock [letter] Pei YP, et al. **Am J Med** 1987 Feb;82(2):381–2
Sepsis and septic shock. Ellrodt AG. **Emerg Med Clin North Am** 1986 Nov;4(4):809–40 (101 ref.)
Clinical and bacteriologic observations of a toxic shock-like syndrome due to Streptococcus pyogenes. Cone LA, et al. **N Engl J Med** 1987 Jul 16;317(3):146–9
Toxic shock syndrome [clinical conference] **NY State J Med** 1986 Aug;86(8):429–35
Toxic shock syndrome. What have we learned? Greenman RL, et al. **Postgrad Med** 1987 Mar;81(4):147–8, 153–4, 157–60 (17 ref.)
Evaluation of the chromogenic Limulus lysate assay in septic shock. McCartney AC, et al. **Prog Clin Biol Res** 1987; 231:459–74
[Infectious toxic shock: clinical aspects, pathogenesis, treatment] Gel'fand BR. **Akush Ginekol (Mosk)** 1986 Aug; (8):7–12 (Eng. Abstr.) **(Rus)**
[Septic shock in the obstetrical clinic] Makatsariia AD, et al. **Akush Ginekol (Mosk)** 1986 Aug;(8):60–4 **(Rus)**
[Cardiovascular disorder syndrome in sepsis] Pavlychev RKh, et al. **Vestn Khir** 1986 Oct;137(10):51–2 (Eng. Abstr.) **(Rus)**
[Toxic shock syndrome. Report of 3 cases] Durlach RA, et al. **Medicina (B Aires)** 1985;45(3):279–82 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Potential therapeutic efficacy of inhibitors of human phospholipase A2 in septic shock. Vadas P, et al. **Agents Actions** 1986 Nov;19(3–4):194–202
Effect of methylprednisolone, indomethacin, and diethylcarbamazine on survival rate following trauma and sepsis in rats. Hall-Angerås M, et al. **Circ Shock** 1986; 20(3):231–8
Leukotriene antagonist FPL 57231 prevents the acute pulmonary effects of Escherichia coli endotoxin in cats. Pacitti N, et al. **Circ Shock** 1987;21(2):155–68
A reappraisal of norepinephrine therapy in human septic shock. Desjars P, et al. **Crit Care Med** 1987 Feb;15(2):134–7
High-dose naloxone: pharmacokinetics in patients in septic shock. Groeger JS, et al. **Crit Care Med** 1987 Aug; 15(8):751–6
Thyrotropin releasing hormone: effects in monkeys and dogs subjected to experimental circulatory shock. Gurll NJ, et al. **Crit Care Med** 1987 Jun;15(6):574–81
Cryoprecipitate infusion fails to improve organ function in septic shock. Hesselvik F, et al. **Crit Care Med** 1987 May; 15(5):475–83
Reflex bradycardia during dopamine therapy for septic shock [letter] Woods I, et al. **Crit Care Med** 1987 Jan;15(1):88
Dobutamine in elderly septic shock patients refractory to dopamine. Tell B, et al. **Intensive Care Med** 1987;13(1):14–8
Benefits of high-dose dopamine in experimental neonatal septic shock. Lobe TE, et al. **J Surg Res** 1987 Jun; 42(6):665–74
Hypertonic saline resuscitates dogs in endotoxin shock. Mullins RJ, et al. **J Surg Res** 1987 Jul;43(1):37–44
A controlled clinical trial of high-dose methylprednisolone in the treatment of severe sepsis and septic shock. Bone RC, et al. **N Engl J Med** 1987 Sep 10;317(11):653–8
Inhibition of vasoactive substances in experimental endotoxin shock. O'Neil J, et al. **P R Health Sci J** 1986 Apr;5(1):7–11
Naloxone pretreatment prevents the bloody diarrhea of canine endotoxic shock. Ganes E, et al. **Proc Soc Exp Biol Med** 1987 Mar;184(3):267–77
Multitherapy: a new treatment regimen in endotoxemia. Aasen AO, et al. **Prog Clin Biol Res** 1987;236A:211–25
Effect of the nonsteroidal antiinflammatory agent BW755C in rat and sheep endotoxemia. Bahrami S, et al. **Prog Clin Biol Res** 1987;236A:347–59
Comparison of different corticosteroids in rat endotoxemia. Bahrami S, et al. **Prog Clin Biol Res** 1987;236B:273–86
Increased hemodynamic and survival with endotoxin and septic shock with ibuprofen treatment. Bone RC, et al. **Prog Clin Biol Res** 1987;236A:327–32
Efficiency of prostacyclin in rabbit endotoxin shock. Ditter H, et al. **Prog Clin Biol Res** 1987;236A:369–76
Non-adrenergic inotropic support in septic shock. Domb M, et al. **Prog Clin Biol Res** 1987;236B:319–22
Effect of ibuprofen on components of an acute systemic inflammatory response evoked by intravenous endotoxin administration in the conscious sheep. Jesmok GJ, et al. **Prog Clin Biol Res** 1987;236A:333–46
Antioxidant drugs and shock therapy. Ortolani O, et al. **Prog Clin Biol Res** 1987;236A:271–80
Hemodynamic consequences of multitherapy pretreatment in experimental endotoxemia. Pillgram-Larsen J, et al. **Prog Clin Biol Res** 1987;236A:227–34
Corticosteroids in the treatment of septic shock. Schumer W. **Prog Clin Biol Res** 1987;236B:249–59 (26 ref.)
Effect of a proteolytic enzyme inhibitor on the cardiopulmonary response to endotoxin. Traber DL, et al. **Resuscitation** 1986 Sep;14(1–2):91–104
[Naloxone treatment of shock] Petkova M. **Khirurgiia (Sofiia)** 1986;39(3):58–62 (24 ref.) **(Bul)**
[The use of high-dose corticosteroids in the treatment of septic shock] Jensen TH, et al. **Ugeskr Laeger** 1986 Nov 3;148(45):2903–5 (Eng. Abstr.) **(Dan)**
[Glucose-potassium-insulin in hypodynamic septic shock] Mauritz W, et al. **Anaesthesist** 1986 Oct;35(10):623–7 (Eng. Abstr.) **(Ger)**
[The protease inhibitor aprotinin in the therapy of septic shock] Putterman C, et al. **Harefuah** 1986 Dec 15; 111(12):411–4 (Eng. Abstr.) **(Heb)**
[Mechanism of the therapeutic action of 1,4-naphthoquinone derivatives in shock] Kamenetskaia TsL, et al. **Patol Fiziol Eksp Ter** 1987 Mar-Apr;(2):28–31 (Eng. Abstr.) **(Rus)**
[Use of naloxone in the therapy of septic shock] Campos JM, et al. **Rev Esp Anestesiol Reanim** 1986 Nov-Dec; 33(6):451–3 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Activity of Na+ and K+ ATPase in the red blood cells of patients with septic shock. Huerta-Torrijos J, et al. **Arch Invest Med (Mex)** 1985 Oct-Dec;16(4):375–80 **(Eng, Spa)**
Granulocyte elastase and white cell counts in septic pigs. Siebeck M, et al. **Prog Clin Biol Res** 1987;236A:115–9

ETIOLOGY

New infectious diseases other than AIDS. Griffin FM Jr. **Ala J Med Sci** 1987 Apr;24(2):205–8
Toxic shock syndrome after augmentation mammaplasty. Giesecke J, et al. **Ann Plast Surg** 1986 Dec;17(6):532–3
Endotoxins and disease mechanisms. Morrison DC, et al. **Annu Rev Med** 1987;38:417–32 (52 ref.)
Effects of toxic shock syndrome Staphylococcus aureus, endotoxin and tampons in a mouse model. Tierno PM Jr, et al. **Clin Invest Med** 1987 Mar;10(2):64–70
Cachectin/tumor necrosis factor: an endogenous mediator of shock and inflammation. Beutler B, et al. **Immunol Res** 1986;5(4):281–93 (93 ref.)
Acute meningococcal (group A) septicemia. Study during an epidemic with special reference to endotoxic shock. Sehgal SK, et al. **Indian Pediatr** 1986 Nov;23(11):937–41
A rabbit model of toxic shock syndrome that uses a constant, subcutaneous infusion of toxic shock syndrome toxin 1. Parsonnet J, et al. **Infect Immun** 1987 May;55(5):1070–6
Young teens and tampons. A crisis in waiting. D'Angelo LJ. **J Adolesc Health Care** 1986 Nov;7(6):423–4
Toxic shock syndrome as a complication of dermatologic surgery. Huntley AC, et al. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 2):227–9
Investigation by syringe method of effect of tampons on production in vitro of toxic shock syndrome toxin 1 by Staphylococcus aureus. Lee AC, et al. **J Clin Microbiol** 1987 Jan;25(1):87–90
Production of toxic shock syndrome toxin 1 by Staphylococcus aureus restricted to endogenous air in tampons. Reiser RF, et al. **J Clin Microbiol** 1987 Aug; 25(8):1450–2
Production of toxic shock syndrome toxin 1 by Staphylococcus aureus as determined by tampon disk-membrane-agar method. Robbins RN, et al. **J Clin Microbiol** 1987 Aug;25(8):1446–9
Evidence for the involvement of endotoxin in toxic shock syndrome. Stone RL, et al. **J Infect Dis** 1987 Apr; 155(4):682–9
Influence of focal growth conditions on the pathogenesis of toxic shock syndrome. Todd JK, et al. **J Infect Dis** 1987 Apr;155(4):673–81
Toxic shock syndrome following septoplasty and partial turbinectomy. Huang IT, et al. **J Otolaryngol** 1986 Oct; 15(5):310–2
Appendicectomy complicated by the toxic-shock syndrome. Duncan JL, et al. **J R Coll Surg Edinb** 1986 Oct;31(5):312–3
Nonmenstrual toxic shock syndrome. Methodologic problems in estimating incidence and delineating risk factors. Petitti D, et al. **J Reprod Med** 1987 Jan;32(1):10–6
The relationship of tampon characteristics to menstrual toxic shock syndrome. Berkley SF, et al. **JAMA** 1987 Aug 21; 258(7):917–20
Toxic shock syndrome: back to the future [editorial] Dan BB. **JAMA** 1987 Feb 27;257(8):1094–5
Toxic shock syndrome. A newly recognized complication of influenza and influenzalike illness. MacDonald KL, et al. **JAMA** 1987 Feb 27;257(8):1053–8
Toxic shock syndrome during an influenza outbreak. Sperber SJ, et al. **JAMA** 1987 Feb 27;257(8):1086–7
Toxic shock syndrome, Staphylococcus aureus, and influenza [letter] Todd JK. **JAMA** 1987 Jun 12;257(22):3070–1
Toxic shock syndrome [letter] Wolf PH, et al. **JAMA** 1987 Aug 21;258(7):908
Dangerous delays in tampon absorbency warnings [editorial] Wolfe SM. **JAMA** 1987 Aug 21;258(7):949–51
Pseudomonal toxic shock syndrome [letter] Daman Willems CE, et al. **Lancet** 1986 Nov 22;2(8517):1218–9

Toxic shock syndrome and staphylococcal pneumonia [letter] Marchant B, et al. **Lancet** 1987 Sep 5;2(8558):578
Chorionic villus sampling followed by genetic amniocentesis and septic shock [letter] Muggah HF, et al. **Lancet** 1987 Apr 11;1(8537):867–8
Portal vein gas and sepsis after administration of OKT3 [letter] Waymack JP, et al. **Lancet** 1987 Apr 25;1(8539):984
Toxic shock and a gunshot wound [letter] Reiner DS, et al. **Milit Med** 1986 Oct;151(10):557
Toxic shock syndrome following influenza—Oregon; update on influenza activity—United States. **MMWR** 1987 Feb 13;36(5):64–5
Toxic shock syndrome: odontogenic origin. Egbert GW, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb;63(2):167–71
Toxic shock syndrome after chemical face peel. LoVerme WE, et al. **Plast Reconstr Surg** 1987 Jul;80(1):115–8
Toxic shock syndrome following breast and nasal surgery. Tobin G, et al. **Plast Reconstr Surg** 1987 Jul;80(1):111–4
Toxic shock syndrome after nasal surgery. Wilson JA, et al. **Rhinology** 1987 Jun;25(2):139–40
Managing a low-incidence risk: the example of toxic shock syndrome. Weber EU. **Risk Anal** 1985 Mar;5(1):73–84
Retrorectal tumor: is biopsy risky? Verazin G, et al. **South Med J** 1986 Nov;79(11):1437–9
Toxic shock syndrome and multiple-system organ failure after breast biopsy. Landercasper J, et al. **Surgery** 1987 Jul; 102(1):96–8
Toxic shock syndrome complicating orthotopic liver transplantation—a case report. Shaffer D, et al. **Transplantation** 1986 Oct;42(4):434–7
Toxic shock syndrome in a 23-year-old male. Bonitatibus E. **W Va Med J** 1987 Jul;83(7):324–5
[Role of vasoactive mediators in endotoxic shock] Andreeva T, et al. **Khirurgiia (Sofiia)** 1986;39(3):30–7 (70 ref.) **(Bul)**
[Toxic shock caused by Staphylococcus aureus—a case report] Wolschon KM, et al. **Anaesthesiol Reanim** 1987; 12(1):59–62 (Eng. Abstr.) **(Ger)**
[Bronchiolitis and shock: biochemical monitoring] Ruggiero G, et al. **Recenti Prog Med** 1986 Oct;77(10):479–80 (Eng. Abstr.) **(Ita)**
[Clinical experience of 3 cases of toxic shock syndrome caused by methicillin cephem-resistant Staphylococcus aureus (MRSA)] Furukawa Y, et al. **Kansenshogaku Zasshi** 1986 Oct;60(10):1147–53 (Eng. Abstr.) **(Jpn)**
[A saved case of Vibrio vulnificus infection with shock, DIC and necrotizing fasciitis] Ito H, et al. **Kansenshogaku Zasshi** 1986 Jul;60(7):695–700 (Eng. Abstr.) **(Jpn)**
[A case of allergic shock caused by readministration of rifampicin] Hashimoto M, et al. **Kekkaku** 1987 Jan; 62(1):25–9 (Eng. Abstr.) **(Jpn)**
[A case of sepsis, shock, disseminated intravascular coagulation, and necrotizing fasciitis caused by Vibrio vulnificus treated with early debridement] Sanai T, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1816–21 **(Jpn)**
[Infectious-toxic (septic) shock in acute pneumonia] Sil'vestrov VP, et al. **Ter Arkh** 1986;58(10):20–3 **(Rus)**
[Endotoxic shock in septic abortion] López del Campo X, et al. **Rev Chil Obstet Ginecol** 1985;50(5):412–20 (Eng. Abstr.) **(Spa)**

HISTORY

The Thucydides syndrome [letter] Langmuir AD, et al. **JAMA** 1987 Jun 12;257(22):3071

IMMUNOLOGY

Metabolic burst and motility in granulocytes following trauma and endotoxinaemia in the anaesthetized pig. Andersen OK, et al. **Acta Chir Scand** 1986 Nov;152:641–5
Imbalanced serum IgG subclass pattern in toxic shock syndrome patients: deficiency of specific IgG1 and IgG4 subclass antibodies to toxic shock syndrome toxin 1. Christensson B, et al. **Clin Exp Immunol** 1986 Nov; 66(2):443–9
[IgG antibodies to toxic shock syndrome toxin-1 (TSST-1) in human sera] Dickgiesser N, et al. **Klin Wochenschr** 1987 Mar 16;65(6):256–8 (Eng. Abstr.) **(Ger)**
[IgG antibodies against toxic shock syndrome toxin 1 in human immunoglobulins] Dickgiesser N, et al. **Klin Wochenschr** 1986 Jul 15;64(14):633–5 (Eng. Abstr.) **(Ger)**
[The defense mechanism and its weakening: modification of the defense mechanism by microbes—increase of sensitivity to bacterial endotoxins by bacterial components] Takada H, et al. **Nippon Rinsho** 1986 Sep;44(9):1972–80 **(Jpn)**

METABOLISM

Effect of endotoxic shock on skeletal muscle intracellular electrolytes and amino acid transport. Karlstad MD, et al. **Am J Physiol** 1987 Apr;252(4 Pt 2):R674–80
Mechanisms of endotoxin-induced impairment in Na+-Ca2+ exchange in canine myocardium. Liu MS, et al. **Am J Physiol** 1986 Dec;251(6 Pt 2):R1078–85
Ion transport in circulatory and/or septic shock. Sayeed MM. **Am J Physiol** 1987 May;252(5 Pt 2):R809–21 (67 ref.)
Liver glycogen metabolism in endotoxin shock. I. Endotoxin administration decreases glycogen synthase activities in dog livers. Liu MS, et al. **Biochem Med Metab Biol** 1987 Feb; 37(1):61–72
Liver glycogen metabolism in endotoxin shock. II. Endotoxin administration increases glycogen phosphorylase activities in dog livers. Liu MS, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):73–80
Oxygen delivery and utilization during rapidly fatal septic shock in rats. Astiz ME, et al. **Circ Shock** 1986;20(4):281–90
Inhibition of lipid peroxidation improves survival rate of endotoxemic rats. Kunimoto F, et al. **Circ Shock** 1987; 21(1):15–22
Oxygen delivery and consumption in patients with hyperdynamic septic shock. Astiz ME, et al. **Crit Care Med** 1987 Jan;15(1):26–8
Increased systemic microvascular albumin flux in septic shock. Groeneveld AB, et al. **Intensive Care Med** 1987; 13(2):140–2
Effects of norepinephrine and fluid administration on diaphragmatic O2 consumption in septic shock. Hussain SN, et al. **J Appl Physiol** 1987 Apr;62(4):1368–76
Increases in oxygen extraction during rapidly fatal septic shock in rats. Rackow EC, et al. **J Lab Clin Med** 1987 Jun;109(6):660–4
Alterations in metabolite levels in carbohydrate and energy metabolism of rat in hemorrhagic shock and sepsis. Mori E, et al. **Metabolism** 1987 Jan;36(1):14–20
Leukotrienes as mediators in endotoxin shock and tissue trauma. Keppler D, et al. **Prog Clin Biol Res** 1987; 236A:301–9 (29 ref.)
Changes in metabolic control in injury and sepsis. Little RA, et al. **Prog Clin Biol Res** 1987;236A:463–75
[Effect of hydrocortisone on the behavior of mediators of the adrenergic system (dopamine, noradrenaline and homovanillic acid) in the liver during experimental endotoxic shock] Barczyk J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(3):144–50 (Eng. Abstr.) **(Ger)**
[Mechanism of insulin resistance in response to injury] Kubo M, et al. **Nippon Geka Gakkai Zasshi** 1987 Jun;88(6):795 **(Jpn)**

MICROBIOLOGY

Toxic shock syndrome associated with TSST-1 producing coagulase-negative staphylococci. Kahler RC, et al. **Am J Med Sci** 1986 Nov;292(5):310–2
Dengue shock syndrome in an American traveler with primary dengue 3 infection. Morens DM, et al. **Am J Trop Med Hyg** 1987 Mar;36(2):424–6
Nonproduction of toxic shock syndrome toxin 1 by coagulase-negative staphylococci. Parsonnet J, et al. **J Clin Microbiol** 1987 Aug;25(8):1370–2
Toxic shock syndrome associated with pyomyositis caused by a strain of Staphylococcus aureus that does not produce toxic-shock-syndrome toxin-1. Immerman RP, et al. **J Infect Dis** 1987 Sep;156(3):505–7
[Toxic shock syndrome toxin-1 producing strains of Staphylococcus aureus in vaginal smears] Dickgiesser N, et al. **Geburtshilfe Frauenheilkd** 1987 Feb;47(2):104–6 (Eng. Abstr.) **(Ger)**
[Toxic shock syndrome in children] Okland O. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):153–4 (Eng. Abstr.) **(Nor)**
[Staphylococcal toxic shock exotoxin (its isolation and characteristics)] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1986 Oct;(10):15–20 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Toxic shock syndrome. Evaluation of national surveillance data using a hospital discharge survey. Markowitz LE, et al. **JAMA** 1987 Jul 3;258(1):75–8
Outbreak of non-menstrual fatal staphylococcal toxic shock syndrome in India [letter] Naidu AS, et al. **Lancet** 1986 Dec 20–27;2(8521–22):1454–5
Shock in children with gram-negative bacillary sepsis and Haemophilus influenzae type b sepsis. Naqvi SH, et al. **Pediatr Infect Dis** 1986 Sep-Oct;5(5):512–5

PATHOLOGY

Ultrastructural modifications of the cavities formed by folliculo-stellate cells in chicken adenohypophysis under septic shock conditions. Fernández AJ, et al. **Cell Struct Funct** 1986 Dec;11(4):379–82
Bacterial croup and toxic shock syndrome. Chenaud M, et al. **Eur J Pediatr** 1986 Sep;145(4):306–7
[Histopathological changes in the organs of rabbits with experimental shock induced by an endotoxin of E. coli] Huang QF. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun; 15(2):140–2 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Choice of anesthetic alters the circulatory shock pattern as gauged by conscious rat endotoxemia. Schaefer CF, et al. **Acta Anaesthesiol Scand** 1987 Aug;31(6):550–6
Positive effects of ketamine v. metomidate anesthesia on cardiovascular function, oxygen delivery and survival. Studies with a porcine endotoxin model. Modig J. **Acta Chir Scand** 1987 Jan;153(1):7–13
Changes in the suprarenal function during endotoxin shock. Petkova M, et al. **Agressologie** 1986 Sep;27(8):669–71
Effect of vasopressors on organ blood flow during endotoxin shock in pigs. Breslow MJ, et al. **Am J Physiol** 1987 Feb; 252(2 Pt 2):H291–300
Effect of naloxone on regional cerebral blood flow during endotoxin shock in conscious rats. Law WR, et al. **Am J Physiol** 1987 Sep;253(3 Pt 2):R425–33
Escherichia coli endotoxin injections potentiate experimental ischemic renal injury. Zager RA. **Am J Physiol** 1986 Dec; 251(6 Pt 2):F988–94
Feline endotoxin shock: effects on tissue histamine and histidine decarboxylase activity. Parratt JR, et al. **Br J Pharmacol** 1986 Dec;89(4):635–40
Reduced RBC versus plasma microvascular flow due to endotoxin. Baker CH, et al. **Circ Shock** 1986;20(2):127–39
Central nervous system is involved in the cardiovascular responses to naloxone in canine endotoxic but not hemorrhagic shock. Gurll NJ, et al. **Circ Shock** 1987; 22(2):115–25
Effects of methylprednisolone on renal nerve response to stimulation of medullary pressor area in endotoxin-induced hypotension. Koyama S. **Circ Shock** 1986;20(3):205–15
Respiratory compensation and acidosis in endotoxin shock: effects of naloxone in conscious rats. Law WR, et al. **Circ Shock** 1987;21(1):65–78
Cardiorespiratory alterations produced by centrally administered thyrotropin-releasing hormone during canine endotoxin shock. Leffew SD, et al. **Circ Shock** 1987; 21(3):225–32
Changes in central hemodynamics during experimental septic shock in conscious rats. Pålsson J, et al. **Circ Shock** 1987; 22(1):65–72
Effects of vasodilators prostaglandin E1 and methylprednisolone on pulmonary hypertension and right ventricular performance during volume loading in porcine septic shock: a combined invasive and radionuclide study. Schneider AJ, et al. **Circ Shock** 1987;22(2):141–54
Pulmonary vascular response to live Escherichia coli: influences of different antiplatelet substances. Svartholm E, et al. **Circ Shock** 1987;22(2):173–83
Coronary hemodynamics and myocardial metabolism of lactate, free fatty acids, glucose, and ketones in patients with septic shock. Dhainaut JF, et al. **Circulation** 1987 Mar; 75(3):533–41
The endogenous mediator of endotoxic shock. Beutler B, et al. **Clin Res** 1987 Apr;35(3):192–7 (71 ref.)
Hemodynamic effects of continuous norepinephrine infusion in dogs with and without hyperkinetic endotoxic shock. Melchior JC, et al. **Crit Care Med** 1987 Jul;15(7):687–91
Visceral lymph flow in rats with peritonitis septic shock. Apantaku LM, et al. **Curr Surg** 1987 Mar-Apr;44(2):118–20
BAY k 8644, a calcium channel agonist, reverses hypotension in endotoxin-shocked rats. Ives N, et al. **Eur J Pharmacol** 1986 Nov 4;130(3):169–75
Profiles of endogenous prostaglandin F2 alpha, thromboxane A2 and prostacyclin with regard to cardiovascular and organ functions in early septic shock in man. Oettinger W, et al. **Eur Surg Res** 1987;19(2):65–77
Systemic distribution of blood flow during T-2 toxin induced shock in swine. Lundeen GR, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):309–23
Profound reduction in morphine clearance and liver blood flow in shock. Macnab MS, et al. **Intensive Care Med** 1986; 12(5):366–9
Endotoxemia in Yucatan miniature pigs: metabolic derangements and experimental therapies. Fettman MJ. **Lab Anim Sci** 1986 Aug;36(4):370–4 (44 ref.)
Cerebral circulation during endotoxic shock with special emphasis on the regional cerebral blood flow in vivo. Christenson JT, et al. **Nucl Med Commun** 1986 Jul; 7(7):531–40
The comparison of myocardial dysfunction in three forms of experimental septic shock. Peevy KJ, et al. **Pediatr Res** 1986 Dec;20(12):1240–2
The relative role of PAF-acether and icosanoids in septic shock. Etienne A, et al. **Pharmacol Res Commun** 1986 Aug; 18 Suppl:71–9
Differences in regional oxygen supply, oxygen consumption and blood flow during the onset of E. coli sepsis. Beerthuizen GI, et al. **Prog Clin Biol Res** 1987; 236A:495–502
Increased systemic microvascular permeability in septic shock. Groeneveld AB, et al. **Prog Clin Biol Res** 1987; 236A:487–94
Effects of endotoxin and gadolinium chloride on acute septic peritonitis and septic shock in rats. Lázár G Jr, et al. **Prog Clin Biol Res** 1987;236B:323–8
Glucose-insulin-potassium (GIK) in hypodynamic septic shock. Mauritz W, et al. **Prog Clin Biol Res** 1987; 236B:315–8
Judgment of central haemodynamics with and without Swan Ganz catheter in septic shock states. Redl G, et al. **Prog Clin Biol Res** 1987;236B:123–8
Physiologic and metabolic correlations in human septic shock. Siegel JH. **Prog Clin Biol Res** 1987;236A:439–57
Myocardial dysfunction in sepsis. Spitzer JJ, et al. **Prog Clin Biol Res** 1987;236A:573–90
"Endotoxin: the causative factor of mediator release during sepsis". Traber DL. **Prog Clin Biol Res** 1987;236A:377–92
Endotoxin shock model in the dog: a reevaluation. Vincent JL, et al. **Prog Clin Biol Res** 1987;236A:393–9
Intravascular starling forces and extravascular lung water in advanced septic shock states. Zadrobilek E, et al. **Prog Clin Biol Res** 1987;236B:139–44

Cardiac output and its distribution in peritonitis. (Septic) shock in the rat. Martinell S, et al. **Res Exp Med (Berl)** 1987;187(2):87–94

Ultimate survival from septic shock. Azimi G, et al. **Resuscitation** 1986 Dec;14(4):245–53

Skin microvascular permeability after resuscitation with Ringer's lactate solution from endotoxin shock. Mullins RJ, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):49–56

Cachectin/tumor necrosis factor induces lethal shock and stress hormone responses in the dog. Tracey KJ, et al. **Surg Gynecol Obstet** 1987 May;164(5):415–22

[Cardiovascular effects of anisodamine during endotoxin shock in anaesthetized dogs] Yao T, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Nov;6(11):679–81, 646 (Eng. Abstr.) **(Chi)**

[Changes in microvascular permeability in shock in rabbits using FITC–labelled dextran] Jin HM. **Chung Hua I Hsueh Tsa Chih** 1986 Sep;66(9):534–7, 576 (Eng. Abstr.) **(Chi)**

[Studies on vascular permeability after injection of Escherichia coli endotoxin in mice] Ye SJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct; 8(5):371–5 (Eng. Abstr.) **(Chi)**

[Hemodynamic effects of higenamine on shock induced by endotoxin in dogs] Huang XN, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec;6(4):263–5 (Eng. Abstr.) **(Chi)**

[Effects of ginsenosides and demethylcoclaurine on hemodynamics in dogs under septic shock] Shen YT, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):439–42 (Eng. Abstr.) **(Chi)**

[Effect of uterotonic agents on the pathophysiology of endotoxin–induced shock] Schmidt EH, et al. **Z Geburtshilfe Perinatol** 1987 Mar–Apr;191(2):73–5 (Eng. Abstr.) **(Ger)**

[Adrenal circulation of rabbits in hemorrhagic and endotoxin shock] Akiyama M, et al. **Nippon Geka Gakkai Zasshi** 1987 Feb;88(2):138–42 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Toxic shock syndrome and oral contraception [letter] Gray RH. **Am J Obstet Gynecol** 1987 Apr;156(4):1038

Protective effect of WEB 2086, a novel antagonist of platelet activating factor, in endotoxin shock. Casals–Stenzel J. **Eur J Pharmacol** 1987 Mar 17;135(2):117–22

Protection by ebselen against endotoxin shock in rats or mice sensitized by galactosamine. Konz KH, et al. **Prog Clin Biol Res** 1987;236A:281–8

Interference of the PAF–acether antagonist BN 52021 with endotoxin–induced hypotension in the guinea–pig. Adnot S, et al. **Prostaglandins** 1986 Dec;32(6):791–802

PSYCHOLOGY

Attitudes toward AIDS, herpes II, and toxic shock syndrome: two years later. Simkins L, et al. **Psychol Rep** 1986 Oct; 59(2 Pt 2):883–91

RADIONUCLIDE IMAGING

Volumetric measurements in endotoxic shock using single photon emission tomography (SPET). Christenson JT, et al. **Nucl Med Commun** 1986 Oct;7(10):771–7

The sensitivity of radionuclide and thermodilution techniques to detect cardiac dysfunction in the baboon model during prolonged anaesthesia. Dormehl IC, et al. **Nuklearmedizin** 1987 Apr;26(2):93–6

SURGERY

[Emergency surgical treatment in several clinical forms of toxico–septic shock in pleuropulmonary pathology] Coman C, et al. **Rev Chir [Chir]** 1987 Jan–Feb;36(1):29–40 (Eng. Abstr.) **(Rum)**

THERAPY

Intermittent and continuous positive–pressure ventilation in the prophylaxis of endotoxin–induced lung insufficiency. A study in pigs. Borg T, et al. **Acta Anaesthesiol Scand** 1987 Jan;31(1):67–72

Dopamine compared with dobutamine in experimental septic shock: relevance to fluid administration. Vincent JL, et al. **Anesth Analg** 1987 Jun;66(6):565–71

New developments in therapy of refractory traumatic shock. Fine J, et al. **Arch Surg** 1968 Feb;96(2):163–75

Fluid resuscitation with hypertonic saline in endotoxic shock. Luypaert P, et al. **Circ Shock** 1986;20(4):311–20

Hemodynamic response to fluid repletion in patients with septic shock: evidence for early depression of cardiac performance. Rackow EC, et al. **Circ Shock** 1987; 22(1):11–22

Anti–endotoxin immunotherapy in septic shock [letter] Baumgartner JD, et al. **J Antimicrob Chemother** 1987 Apr; 19(4):551

Anti–endotoxin immunotherapy in septic shock. Cohen J. **J Antimicrob Chemother** 1986 Oct;18(4):436–9

Protection from endotoxemia: a rat model of plasmapheresis and specific adsorption with polymyxin B. Cohen J, et al. **J Infect Dis** 1987 Apr;155(4):690–5

Plasma exchange therapy for endotoxin shock in puppies. Muraji T, et al. **J Pediatr Surg** 1986 Dec;21(12):1092–5

Endotoxinaemia in toxic shock syndrome treated with anti–endotoxin antibodies [letter] Fomsgaard A, et al. **Lancet** 1987 Feb 28;1(8531):514–5

Plasma exchange in septic shock. Bjertnaes LJ. **Prog Clin Biol Res** 1987;236B:215–23 (28 ref.)

Therapeutic approaches: haemodynamic and respiratory complications in septic shock. Lawin P, et al. **Prog Clin Biol Res** 1987;236B:185–95 (20 ref.)

The continuous arterio–venous hemofiltration in shock. Rau HC, et al. **Prog Clin Biol Res** 1987;236B:241–7

[Antibodies to lipoid A in the treatment of septic shock] Jaspers L, et al. **Infection** 1987 Mar–Apr;15(2):146–52 (Eng. Abstr.) **(Ger)**

[Antibody to lipoid A in the treatment of septic shock] Jaspers L, et al. **Infection** 1987;15 Suppl 2:S89–95 (Eng. Abstr.) **(Ger)**

[Hemosorption in the combined therapy of infectious toxic shock] Moskaliuk MP, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):53–4 **(Rus)**

[Hemosorption as a method of treating endotoxicosis in patients with septic shock of meningococcal etiology] Radzivil GG, et al. **Anesteziol Reanimatol** 1987 Mar–Apr; (2):46–50 (Eng. Abstr.) **(Rus)**

[Experience with the treatment of infectious–toxic shock in patients with hemorrhagic fever with the renal syndrome] Koval'skii GS, et al. **Klin Med (Mosk)** 1986 Nov; 64(11):55–9 (Eng. Abstr.) **(Rus)**

[Role of hemosorption in the therapy of infectious toxic shock and the multiple–organ failure syndrome in a fulminating form of meningococcemia] Pokrovskiĭ VI, et al. **Ter Arkh** 1986;58(9):117–22 (Eng. Abstr.) **(Rus)**

[Effect of blood transfusion therapy on the course of suppurative septic diseases in children] Semenov VN, et al. **Vestn Khir** 1987 Apr;138(4):79–85 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Nosocomial transmission of a strain of Staphylococcus aureus causing toxic shock syndrome. Kreiswirth BN, et al. **Ann Intern Med** 1986 Nov;105(5):704–7

VETERINARY

Methylprednisolone and gentamicin effects on hepatosplanchnic blood flow and carbohydrate metabolism in endotoxemic Yucatan miniature pigs. Fettman MJ, et al. **Am J Vet Res** 1986 Nov;47(11):2468–76

Changes in plasma, cerebrospinal fluid, urinary and salivary electrolytes during experimental septic shock in calves. Celly CS, et al. **Indian J Exp Biol** 1987 Jan;25(1):73–4

Experimental Escherichia coli endotoxin–induced sensitisation and abortion in sows. Hussaini SN, et al. **Res Vet Sci** 1986 Jul;41(1):131–2

Staphylococcal toxic shock syndrome [letter] Jones TO, et al. **Vet Rec** 1986 Oct 25;119(17):435–6

Staphylococcal toxic shock syndrome [letter] Morgan KL, et al. **Vet Rec** 1986 Nov 29;119(22):559

[Behavior of indicator enzymes in blood plasma after experimentally induced endotoxin shock in weaned piglets] Schaper U, et al. **Arch Exp Veterinarmed** 1986 Jul; 40(4):566–70 (Eng. Abstr.) **(Ger)**

SHOCK, SURGICAL

BLOOD

Release of myocardial depressant factor (MDF) during cardiopulmonary bypass (CPB): influence of corticosteroids (methylprednisolone) and protease inhibitor (aprotinin). Coraim FI, et al. **Prog Clin Biol Res** 1987; 236A:611–20

COMPLICATIONS

[Akinesia and kinesie paradoxale occurring after cerebral hypoxia] Jyoichi T, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1794–8 **(Jpn)**

SHOCK THERAPY see **CONVULSIVE THERAPY**

SHOCK THERAPY, ELECTRIC see **ELECTROCONVULSIVE THERAPY**

SHOCK THERAPY, INSULIN see **CONVULSIVE THERAPY**

SHOCK, TOXIC see **SHOCK, SEPTIC**

SHOCK, TRAUMATIC

Can the outcome after trauma or sepsis be predicted from biochemical or hormonal parameters? Pasch T, et al. **Prog Clin Biol Res** 1987;236B:85–95

BLOOD

Studies on low molecular weight inotropic plasma substances in prolonged hypovolemic traumatic shock. Hallström S, et al. **Prog Clin Biol Res** 1987;236A:591–7

Catecholamines in the serum of multiple trauma patients—mediators of ARDS? Sefrin P. **Prog Clin Biol Res** 1987;236A:477–86

[The role of leukocytes in the pathogenesis of microcirculatory disorders during shock] Zhao KS. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):722–5, 774 (Eng. Abstr.) **(Chi)**

CLASSIFICATION

[Current status of the problem of traumatic shock in its forensic medical relationship] Indiaminov S, et al. **Sud Med Ekspert** 1987 Jan–Mar;30(1):6–8 (30 ref.) **(Rus)**

COMPLICATIONS

Pathophysiologic significance of lung granulocytes in human adult respiratory distress syndrome induced by septic or traumatic shock. Modig J, et al. **Acta Chir Scand** 1987 Apr; 153(4):267–71

[Effect of various factors on the development of infectious complications in open fractures of the bones of the extremities] Iakovenko LM, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):108–9 **(Rus)**

[Postural compression syndrome complicated by acute kidney failure] Kozyr' VI, et al. **Klin Med (Mosk)** 1986 Oct;64(10):118–20 **(Rus)**

[Use of extraorganic detoxication in acute surgical diseases] Stanislavskiĭ OK, et al. **Vestn Khir** 1986 Nov;137(11):104–7 **(Rus)**

DIAGNOSIS

The rise of blood sugar as an additional parameter in traumatic shock. Holzrichter D, et al. **Arch Orthop Trauma Surg** 1987;106(5):319–22

[Protracted soft–tissue crush syndrome] Sorokina MI, et al. **Khirurgiia (Mosk)** 1986 Oct;(10):142–8 **(Rus)**

[Theoretical and applied aspects of the problem of predicting the course and outcome of traumatic shock in clinical situations] Seleznev SA, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):3–10 **(Rus)**

[The postural compression syndrome in dental patients] Zuev VP, et al. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):45–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of methylprednisolone, indomethacin, and diethylcarbamazine on survival rate following trauma and sepsis in rats. Hall–Angerås M, et al. **Circ Shock** 1986; 20(3):231–8

Beneficial effects of prostaglandin E1 infusion in experimental traumatic shock. Levitt MA, et al. **Crit Care Med** 1987 Aug;15(8):769–73

Influence of steroids on hemorrhagic and traumatic shock. Hardaway RM, et al. **J Trauma** 1987 Jun;27(6):667–70

Feasibility study of very high aprotinin dosage in polytrauma patients. Clasen C, et al. **Prog Clin Biol Res** 1987; 236A:175–83

[Effects of urinastatin on an energy metabolism disorder during shock] Sato M, et al. **Nippon Yakurigaku Zasshi** 1986 Sep;88(3):195–203 (Eng. Abstr.) **(Jpn)**

[Effect of dalargin on the course of stress and shock in an experiment] Zoloev GK, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1986;9(2):60–2 **(Rus)**

[Effect of izoturon and its combination with ganglionic blockaders and alpha–adrenoblockaders on systemic hemodynamics in traumatic shock] Gikavyĭ VI, et al. **Farmakol Toksikol** 1986 Sep–Oct;49(5):76–80 (Eng. Abstr.) **(Rus)**

[Changes in the pharmacodynamic properties of promedol, droperidol and dimedrol in burn shock and combined radiation–thermal injury] Il'iuchenok TIu, et al. **Farmakol Toksikol** 1987 Jan–Feb;50(1):71–4 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of a hypertonic solution of sodium chloride in experimental traumatic shock] Donskikh EA, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):32–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Description of two cases of "crush syndrome" observed after the Stava catastrophe] Berlanda GP, et al. **Minerva Anestesiol** 1986 Aug–Sep;52(8–9):261–5 (Eng. Abstr.) **(Ita)**

[Stages of post–resuscitation disease in patients with massive blood loss and trauma] Zolotokrylina ES. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):30–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

White cells in shock ischemia. Lewis DH, et al. **Prog Clin Biol Res** 1987;236A:63–74

METABOLISM

Major crush injury [editorial] Stewart IP. **Br Med J [Clin Res]** 1987 Apr 4;294(6576):854–5

Leukotrienes as mediators in endotoxin shock and tissue trauma. Keppler D, et al. **Prog Clin Biol Res** 1987; 236A:301–9 (29 ref.)

PATHOLOGY

[Myocardial lesions in experimental hemorrhagic and traumatic shock] Laky D, et al. **Rev Chir [Chir]** 1987 Jan–Feb;36(1):57–62 (Eng. Abstr.) **(Rum)**

[Structural changes in the liver and kidneys in traumatic illness with various methods of resuscitation] Magomedov AG. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):42–4 (Eng. Abstr.) **(Rus)**

[Morphology and pathogenetic problems of the crush syndrome] Sekamova SM. **Arkh Patol** 1987;49(2):3–12 (57 ref.) (Eng. Abstr.) **(Rus)**

[Morpho- and pathogenesis of muscle injury in the crush syndrome] Sekamova SM. **Arkh Patol** 1986;48(10):39–47 (Eng. Abstr.) **(Rus)**

[Rare case of an automobile injury] Ekgardt II. **Sud Med Ekspert** 1987 Jan–Mar;30(1):51–3 **(Rus)**

PHYSIOPATHOLOGY

Effect of voluntary exercise on resistance to trauma in rats. Asoh T, et al. **Circ Shock** 1986;20(4):259–67

Local renal ischemia during burn shock in rat effected by thromboxane A2 and serotonin. Haugan A, et al. **Circ Shock** 1986;20(1):13–23

Neurophysiological investigations in multiple nerve crush injury. Synek VM. **Electromyogr Clin Neurophysiol** 1986 Dec;26(8):667–72

Reaction pattern of alveolar cells in the posttraumatic lung failure. Joka T, et al. **Prog Clin Biol Res** 1987;236A:509–15

Evaluation of heart performance with special emphasis on severe hemodynamic changes during hypovolemic–traumatic shock. Krösl P, et al. **Prog Clin Biol Res** 1987;236A:561–72

Pulmonary pressure–flow relation after trauma and hemorrhagic shock. Klöss T, et al. **Res Exp Med (Berl)** 1986;186(5):325–36

[O2 transport as a criterion of the efficacy of artificial pulmonary ventilation using positive end–expiratory pressure in traumatic shock patients] Aleksandrov VN, et al. **Anesteziol Reanimatol** 1986 Sep–Oct;(5):27–30 (Eng. Abstr.) **(Rus)**

[Evaluation of the state of the circulatory system in patients in an intensive care unit according to the results of automated polyrheography examinations] Kamenskaia VN, et al. **Anesteziol Reanimatol** 1986 Jul–Aug;(4):32–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Efficacy of two leukotriene antagonists in rat traumatic shock. Levitt MA, et al. **Methods Find Exp Clin Pharmacol** 1987 May;9(5):269–73

Anti-shock properties of the prostacyclin analog, iloprost, in traumatic shock. Levitt MA, et al. **Prostaglandins Leukotrienes Med** 1986 Dec;25(2–3):175–85

RADIOTHERAPY

Effects of low–energy He–Ne laser irradiation on posttraumatic degeneration of adult rabbit optic nerve. Schwartz M, et al. **Lasers Surg Med** 1987;7(1):51–5

SURGERY

Crush syndrome due to limb compression. Kikta MJ, et al. **Arch Surg** 1987 Sep;122(9):1078–81

THERAPY

New developments in therapy of refractory traumatic shock. Fine J, et al. **Arch Surg** 1968 Feb;96(2):163–75

Normothermic rapid volume replacement in traumatic hypovolemia. A prospective analysis using a new device. Satiani B, et al. **Arch Surg** 1987 Sep;122(9):1044–7

Fluid resuscitation with hypertonic salt solutions in experimental burn shock. Mehrkens HH, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):53–6

Fluid resuscitation in canine traumatic–hemorrhagic shock: long–term comparison of hydroxyethyl starch vs. Ringer's lactate. Brückner UB, et al. **Prog Clin Biol Res** 1987; 236B:197–204

Burn shock and its resuscitation. Herndon DN, et al. **Prog Clin Biol Res** 1987;236A:539–57

Interactions between local and generalised burn edema. Hettich R. **Resuscitation** 1986 Sep;14(1–2):105–12

[Multifocal and multi–organ injuries treated in a provincial hospital] Wałczyński S. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):50–4 (Eng. Abstr.) **(Pol)**

[Treatment of shock caused by extensive burns in children] Wites M. **Folia Med Cracov** 1986;27(3–4):163–75 (Eng. Abstr.) **(Pol)**

[Advances in the treatment of early burn disease] Jastrzebski J. **Pol Tyg Lek** 1986 Dec 8;41(49):1539–42 **(Pol)**

[Immunocorrective therapy of the traumatic syndrome] Saakov BA, et al. **Biull Eksp Biol Med** 1987 Jul;104(7):73–5 (Eng. Abstr.) **(Rus)**

[Enhancement of the therapeutic efficacy of blood substitutes in burn shock] Kochetygov NI, et al. **Gematol Transfuziol** 1987 May;32(5):35–8 (Eng. Abstr.) **(Rus)**

[Basic principles and characteristics of the intensive therapy of shock due to injury] Treshchinskiĭ AI, et al. **Klin Khir** 1987;(4):21–4 (Eng. Abstr.) **(Rus)**

[Effect of hemosorption on biochemical and hematological indices of the blood in traumatic toxicosis] Mikaelian NP. **Patol Fiziol Eksp Ter** 1987 May–Jun;(3):45–7 (Eng. Abstr.) **(Rus)**

[Experience with extracorporeal use of xenospleen in patients with traumatic shock] Grinev MV, et al. **Vestn Khir** 1986 Nov;137(11):81–6 (Eng. Abstr.) **(Rus)**

SHOCKWAVES, ULTRASONIC see **ULTRASONICS**

SHOES

A mobile shoemaker's in Senegal to prevent plantar leprosy ulcers. Boucher P, et al. **Acta Leprol (Geneve)** 1987 Jan–Mar;(104):49–52 **(Eng, Fre)**

CT of children's feet: an immobilization technique. Donaldson JS, et al. **AJR** 1987 Jan;148(1):169–70

Normal and pathological human gait analysis using miniature triaxial shoe–borne load cells. Ranu HS. **Am J Phys Med** 1987 Feb;66(1):1–11

A more economical night splint for club foot. Wijesekera C, et al. **Ceylon Med J** 1986 Sep;31(3):157–8

A biomechanical evaluation of sorbothane. Cinats J, et al. **Clin Orthop** 1987 Sep;(222):281–8

Clinical evaluation of the treatment of osteoarthritic knees using a newly designed wedged insole. Sasaki T, et al. **Clin Orthop** 1987 Aug;(221):181–7

The use of ground reaction measuring shoes in gait evaluation. Kljajić M, et al. **Clin Phys Physiol Meas** 1987 May;8(2):133–42

Shoe gear for the insensitive foot. Coleman WC. **Clin Podiatr Med Surg** 1987 Apr;4(2):459–70

The classical ballet shoe. Contompasis JP. **Clin Podiatr Med Surg** 1986 Oct;3(4):631–6

Athletic footwear. Smith LS, et al. **Clin Podiatr Med Surg** 1986 Oct;3(4):637–47

The manufacture of diabetic footwear. Tovey FI. **Diabetic Med** 1984 May;1(1):69–71

Female gait patterns: the influence of footwear. Soames RW, et al. **Ergonomics** 1987 Jun;30(6):893–900

Foot pressure measurement in leprosy and footwear design. Patil KM, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):357–66

Interaction between man and shoe in running: considerations for a more comprehensive measurement approach. Komi PV, et al. **Int J Sports Med** 1987 Jun;8(3):196–202

The neglect of footwear education of podiatry students and practitioners. Rossi WA. **J Am Podiatr Med Assoc** 1987 Jul;77(7):357–62

Boot fitting problems in the skier. Santoro JP, et al. **J Am Podiatr Med Assoc** 1986 Oct;76(10):572–6

The triplane wedge. An adjunctive treatment modality in pediatric biomechanics. Valmassy RL, et al. **J Am Podiatr Med Assoc** 1986 Dec;76(12):672–5

Characteristics of various ballet pointe shoes. Whiteside PL. **J Am Podiatr Med Assoc** 1986 Oct;76(10):570–1

Amputations at the middle level of the foot. A retrospective and prospective study [letter] Rubin G. **J Bone Joint Surg [Am]** 1987 Jun;69(5):791–2

Isolation of dermatophytes from footwear with adhesive tape strips. Knudsen EA. **J Med Vet Mycol** 1987 Feb; 25(1):59–61

Kinematically mediated effects of sport shoe design: a review. Frederick EC. **J Sports Sci** 1986 Winter;4(3):169–84

The influence of lateral heel flare of running shoes on pronation and impact forces. Nigg BM, et al. **Med Sci Sports Exerc** 1987 Jun;19(3):294–302

A simple treatment of genu recurvatum in ataxic and athetoid cerebral palsy. Nuzzo RM. **Orthopedics** 1986 Sep; 9(9):1223–7

Effect of viscoelastic insoles on pain. Tooms RE, et al. **Orthopedics** 1987 Aug;10(8):1143–7

A comparison of shoe insole materials in plantar pressure relief. Leber C, et al. **Prosthet Orthot Int** 1986 Dec; 10(3):135–8

The case of the toxic boots [letter] Coombs WM, et al. **S Afr Med J** 1987 Jul 18;72(2):157

[Leg length discrepancy and the design of shoes] Wichers MJ, et al. **Ned Tijdschr Geneeskd** 1987 Jun 27; 131(26):1118–20 **(Dut)**

[Advice of the phlebologist concerning care of the foot, walking and the selection of shoes] Reinharez D. **Phlebologie** 1987 Apr–Jun;40(2):355–64 (Eng. Abstr.) **(Fre)**

[Results of functional aftercare following surgically treated ruptures of the outer ligaments. A comparative study of aftercare by a lower leg walking cast or the Dr. Spring special shoe] Wolff J, et al. **Aktuel Traumatol** 1986 Oct; 16(5):196–202 (Eng. Abstr.) **(Ger)**

[Neurophysiological study of a group of workers exposed to industrial heptane in a rubber shoe factory] Soleo L, et al. **Med Lav** 1987 Jan–Feb;78(1):68–74 (Eng. Abstr.) **(Ita)**

[Achromatizing contact dermatitis caused by rubber sandals] Zaitz ID, et al. **Med Cutan Ibero Lat Am** 1987;15(1):1–7 (Eng. Abstr.) **(Por)**

[Physiologic–hygienic evaluation of winter footwear with electric heating elements (experimental study)] Afanas'eva RF. **Gig Tr Prof Zabol** 1987 Mar;(3):46–9 (Eng. Abstr.) **(Rus)**

[Immunologic status of workers in the resin–processing industry] Iakovleva VV, et al. **Gig Tr Prof Zabol** 1986 Dec; (12):12–6 (Eng. Abstr.) **(Rus)**

[Footwear for protection from the cold] Khassi Iu. **Gig Tr Prof Zabol** 1987 Mar;(3):43–6 (Eng. Abstr.) **(Rus)**

[Physiological and hygienic basis for the rational nutrition of female workers in branches of light industry] Smolianskiĭ BL, et al. **Vopr Pitan** 1987 May–Jun;(3):29–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Acute compartment syndrome caused by a malfunctioning pneumatic–compression boot. A case report. Werbel GB, et al. **J Bone Joint Surg [Am]** 1986 Dec;68(9):1445–6

STANDARDS

Biomechanics of footwear. Snijders CJ. **Clin Podiatr Med Surg** 1987 Jul;4(3):629–44

Safety shoe testing standards key to protection and durability. O'Brien J. **Occup Health Saf** 1987 Jun;56(6):52, 55

[Torsion effects of shoe soles. A biomechanical viewpoint] Grifka J. **Z Orthop** 1986 Nov–Dec;124(6):772–4 (Eng. Abstr.) **(Ger)**

[The running shoe—a means of preventing running complaints] Nigg BM, et al. **Z Orthop** 1986 Nov–Dec; 124(6):765–71 (Eng. Abstr.) **(Ger)**

SHOPE FIBROMA VIRUS see under **POXVIRIDAE**

SHOPE PAPILLOMA VIRUS see under **PAPILLOMAVIRUSES**

SHORT BOWEL SYNDROME see under **MALABSORPTION SYNDROMES**

SHORT INCREMENT SENSITIVITY INDEX see **RECRUITMENT DETECTION (AUDIOLOGY)**

SHORT RIB–POLYDACTYLY SYNDROME see under **OSTEOCHONDRODYSPLASIAS**

SHORT TERM PSYCHOTHERAPY see **PSYCHOTHERAPY, BRIEF**

SHORT–WAVE THERAPY see under **DIATHERMY**

SHOTGUNS see **FIREARMS**

SHOULDER

Long–term therapeutic effects of electro–acupuncture for chronic neck and shoulder pain—a double blind study. Peng AT, et al. **Acupunct Electrother Res** 1987;12(1):37–44

Shoulder dystocia: predictors and outcome. A five–year review. Gross SJ, et al. **Am J Obstet Gynecol** 1987 Feb; 156(2):334–6

Shoulder dystocia: a fetal–physician risk. Gross TL, et al. **Am J Obstet Gynecol** 1987 Jun;156(6):1408–18

Paralytic brachial neuritis or Parsonage–Turner syndrome anterior interosseous nerve involvement. Report of three cases. Gaitzsch G, et al. **Ann Chir Main** 1986;5(4):288–94 **(Eng, Fre)**

Painful shoulder in hemiplegic patients: a study of the suprascapular nerve. Lee KH, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):818–20

Heterotopic ossification and pseudoarthrosis in the shoulder following encephalitis. A case report and review of the literature. An HS, et al. **Clin Orthop** 1987 Jun;(219):291–8

An elderly man with shoulder pain, dyspnea. Simkins L, et al. **Hosp Pract [Off]** 1987 Apr 15;22(4):139, 142, 144

A humeral modular prostheses for bone tumour surgery: a study of 56 cases. Capanna R, et al. **Int Orthop** 1986; 10(4):231–8

Neuralgic amyotrophy of the shoulder girdle. The Parsonage–Turner syndrome. Ferrini L, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):223–31

Shoulder muscle amyotrophy following isoniazid therapy [letter] Tripathi K, et al. **J Assoc Physicians India** 1986 Jun;34(6):454–5

Pasteurella multocida polyarticular septic arthritis. Baker GL, et al. **J Rheumatol** 1987 Apr;14(2):355–7

Assessment of strength deficits in eight paretic upper extremity muscle groups of stroke patients with hemiplegia. Bohannon RW, et al. **Phys Ther** 1987 Apr;67(4):522–5

Shoulder pain. Guidelines to diagnosis and management. Bonafede RP, et al. **Postgrad Med** 1987 Jul;82(1):185–9, 192–3

Muscle activity and fatigue in the shoulder muscles of assembly–plant employees. Christensen H. **Scand J Work Environ Health** 1986 Dec;12(6):582–7

[Work conditions and diseases of the shoulder girdle among women engaged in plastering and painting] Vorontsov AI, et al. **Gig Tr Prof Zabol** 1986 Oct;(10):47–9 **(Rus)**

ABNORMALITIES

Familial absence of the trapezius muscle with associated shoulder girdle abnormalities. Gross–Kieselstein E, et al. **Clin Genet** 1987 Sep;32(3):145–7

ANATOMY & HISTOLOGY

MR imaging of the supraclavicular region: normal anatomy. Kellman GM, et al. **AJR** 1987 Jan;148(1):77–82

High–resolution MR imaging of the normal rotator cuff. Middleton WD, et al. **AJR** 1987 Mar;148(3):559–64

MR imaging of the normal shoulder: anatomic correlation. Seeger LL, et al. **AJR** 1987 Jan;148(1):83–91

Functional anatomy of the shoulder complex. Peat M. **Phys Ther** 1986 Dec;66(12):1855–65

[Functional anatomy of the shoulder] Tillmann B, et al. **Unfallchirurg** 1986 Sep;89(9):389–97 (Eng. Abstr.) **(Ger)**

[The effect of the dimensions of the tonometric cuff in the evaluation of blood pressure in persons with excessive shoulder girth] Andrásyová D, et al. **Cas Lek Cesk** 1987

Jan 9;126(2):50–3 (Eng. Abstr.) (Slo)

EMBRYOLOGY

A description of caudal migration during growth leading to the formation of the pericardial and pleural coeloms, to caudal movement of the aortic arches, and to development of the shoulder. Searls RL. **Am J Anat** 1986 Oct; 177(2):271–83

Shoulder dystocia. Lee CY. **Clin Obstet Gynecol** 1987 Mar; 30(1):77–82 (21 ref.)

INJURIES

The use of the Putti–Platt procedure in the treatment of recurrent anterior dislocation. With special reference to the young athlete. Collins KA, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):380–2

Anterior glenoid labrum damage: a painful lesion in swimmers. McMaster WC. **Am J Sports Med** 1986 Sep–Oct; 14(5):383–7

Quadrilateral space syndrome in a throwing athlete. Redler MR, et al. **Am J Sports Med** 1986 Nov–Dec;14(6):511–3

Serratus anterior disruption: a complication of rheumatoid arthritis. Meythaler JM, et al. **Arch Phys Med Rehabil** 1986 Oct;67(10):770–2

Skiing-related injuries to the shoulder. Weaver JK. **Clin Orthop** 1987 Mar;(216):24–8

[Specific problems of the shoulder in sports] Fritschy D. **Helv Chir Acta** 1987 May;53(6):773–7 (Eng. Abstr.) (Fre)

[Sports injuries and sports damage of the shoulder] Steinbrück K. **Unfallchirurg** 1986 Sep;89(9):402–8 (Eng. Abstr.) (Ger)

[Rupture of the rotator cuff in the elderly] Steffens K, et al. **Z Gerontol** 1987 Mar–Apr;20(2):95–6 (Eng. Abstr.) (Ger)

[Surgical treatment of patients with injuries of the supraspinatus muscle of the shoulder] Orlovskii NB, et al. **Ortop Travmatol Protez** 1987 Feb;(2):22–4 (Eng. Abstr.) (Rus)

[Features of the diagnosis of injuries of the "rotator cuff" of the shoulder] Prudnikov OE. **Ortop Travmatol Protez** 1987 Feb;(2):18–21 (Eng. Abstr.) (Rus)

[Surgical treatment of total post-burn contracture of the shoulder] Grishkevich VM, et al. **Sov Med** 1987;(1):28–32 (Eng. Abstr.) (Rus)

INNERVATION

A rare human variation: the relationship of the axillary and inferior subscapular nerves to an accessory subscapularis muscle. Breisch EA. **Anat Rec** 1986 Nov;216(3):440–2

[The supracapsular nerve compression syndrome. An overlooked cause of shoulder pain?] Laulund T, et al. **Ugeskr Laeger** 1987 Feb 16;149(8):510–1 (Eng. Abstr.) (Dan)

PHYSIOLOGY

Rotator cuff function during a golf swing. Jobe FW, et al. **Am J Sports Med** 1986 Sep–Oct;14(5):388–92

Shoulder load during machine milking. An electromyographic and biomechanical study. Arborelius UP, et al. **Ergonomics** 1986 Dec;29(12):1591–607

Discomfort and load on the upper trapezius muscle when operating a wordprocessor. Hagberg M, et al. **Ergonomics** 1986 Dec;29(12):1637–45

Neck–shoulder loading characteristics and work technique. Melin E. **Ergonomics** 1987 Feb;30(2):281–5

Effects of changes in sitting work posture on static neck and shoulder muscle activity. Schüldt K, et al. **Ergonomics** 1986 Dec;29(12):1525–37

On the biomechanics of human shoulder complex—I. Kinematics for determination of the shoulder complex sinus. Engin AE, et al. **J Biomech** 1987;20(2):103–17

Biomechanical model of the human shoulder—I. Elements. Högfors C, et al. **J Biomech** 1987;20(2):157–66

On the biomechanics of human shoulder complex—II. Passive resistive properties beyond the shoulder complex sinus. Peindl RD, et al. **J Biomech** 1987;20(2):119–34

Stationary waves recorded at the shoulder after median nerve stimulation. Frith RW, et al. **Neurology** 1986 Nov; 36(11):1458–64

Electromyography and motion analysis of the upper extremity in sports. Moynes DR, et al. **Phys Ther** 1986 Dec;66(12):1905–11

Goniometric reliability in a clinical setting. Shoulder measurements. Riddle DL, et al. **Phys Ther** 1987 May; 67(5):668–73

Effects of arm support or suspension on neck and shoulder muscle activity during sedentary work. Schüldt K, et al. **Scand J Rehabil Med** 1987;19(2):77–84

On assessment of shoulder exercise and load-elicited pain in the cervical spine. Biomechanical analysis of load—EMG—methodological studies of pain provoked by extreme position. Harms-Ringdahl K. **Scand J Rehabil Med [Suppl]** 1986;14:1–40

[Diagnostic and practical value of craniocorpography in vertiginous syndromes] Claussen CF. **Presse Med** 1986 Sep 25;15(31):1565–8 (Eng. Abstr.) (Fre)

[Dynamic analysis of the shoulder girdle muscles during tracking movements in the scapular plane and in the sagittal plane—an electromyographic study] Nagaoka T. **Nippon Seikeigeka Gakkai Zasshi** 1986 Nov;60(11):1137–46 (Eng. Abstr.) (Jpn)

[Evaluation and recording of shoulder movements] Ferreira Filho AA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 Jul–Aug;41(4):187–9 (Eng. Abstr.) (Por)

PHYSIOPATHOLOGY

The weight-bearing shoulder. The impingement syndrome in paraplegics. Bayley JC, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):676–8

Orthopedic problems of the shoulder and neck. Hensinger RN. **Pediatr Clin North Am** 1986 Dec;33(6):1495–509

Shoulder muscle strength, endurance and electromyographic fatigue in ankylosing spondylitis. Hagberg M, et al. **Scand J Rheumatol** 1987;16(3):161–5

RADIOGRAPHY

The apical oblique view of the shoulder: its usefulness in acute trauma. Kornguth PJ, et al. **AJR** 1987 Jul; 149(1):113–6

[Computed tomography (CT) of shoulder soft tissues. 2. The rotator cuff] Dihlmann W, et al. **ROFO** 1987 Aug; 147(2):147–51 (Eng. Abstr.) (Ger)

SURGERY

Factors influencing the operative results of rotator cuff rupture. Vastamäki M. **Int Orthop** 1986;10(3):177–81

[Neurovascular pedicled latissimus dorsi flap transfer as a substitute for a paralyzed deltoid muscle] Shao X, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):265–6, 315 (Eng. Abstr.) (Chi)

[Ultraradical surgery of the shoulder and thoracic wall—indications and prognosis] Heinemann M, et al. **Chirurg** 1987 Mar;58(3):149–53 (Eng. Abstr.) (Ger)

[Improved possibility for applying immobilizing bandages to the sleeping patient following interventions of the shoulder girdle and upper extremities] Harrfeldt HP. **Unfallchirurg** 1987 Jan;90(1):48–50 (Eng. Abstr.) (Ger)

[Surgical treatment of post-burn contracture of the shoulder] Grishkevich VM, et al. **Khirurgiia (Mosk)** 1987 Jan; (1):98–102 (Rus)

SHOULDER DISLOCATION

COMPLICATIONS

[Etiological importance of the subdislocation of the humeral head in algoneurodystrophy in hemiplegic patients (letter)] Vautravers P, et al. **Presse Med** 1987 Sep 19;16(30):1484 (Fre)

DIAGNOSIS

Locked posterior dislocation of the shoulder. Hawkins RJ, et al. **J Bone Joint Surg [Am]** 1987 Jan;69(1):9–18

ETIOLOGY

Posterior dislocation of shoulder and bilateral hip fractures caused by epileptic seizure. McGlone R, et al. **Arch Emerg Med** 1987 Jun;4(2):115–6

Triple dislocation of the upper limb. Rosson JW. **J R Coll Surg Edinb** 1987 Apr;32(2):122

[Rotator defect and shoulder dislocation from the forensic viewpoint. Significance of degeneration and predisposition to instability] Probst J. **Unfallchirurg** 1986 Sep;89(9):436–9 (Eng. Abstr.) (Ger)

[Bilateral luxation of the shoulder and epiphyseal detachment caused by an electrical discharge (letter)] Galí F, et al. **Med Clin (Barc)** 1986 Dec 6;87(19):820 (Spa)

PATHOLOGY

Posterior shoulder dislocation. Muscle and capsular lesions in cadaver experiments. Ovesen J, et al. **Acta Orthop Scand** 1986 Dec;57(6):535–6

Dislocation and/or congenital malformation of the shoulder joint. Observations on a Mediaeval skeleton from Denmark. Bennike P, et al. **Anthropol Anz** 1987 Jun;45(2):117–29

Spontaneous medial dislocation of the tendon of the long biceps brachii. An anatomic study of prevalence and pathomechanics. Petersson CJ. **Clin Orthop** 1986 Oct; (211):224–7

PHYSIOPATHOLOGY

[Erect dislocation of the shoulder (luxatio erecta humeri). General review apropos of 10 cases] Féry A, et al. **Int Orthop** 1987;11(2):95–103 (36 ref.) (Eng. Abstr.) (Fre)

RADIOGRAPHY

Radiographic views in recurrent anterior shoulder dislocation. Comparison of six methods for identification of typical lesions. Rozing PM, et al. **Acta Orthop Scand** 1986 Aug;57(4):328–30

The apical oblique view of the shoulder: its usefulness in acute trauma. Kornguth PJ, et al. **AJR** 1987 Jul; 149(1):113–6

Isolated avulsion fracture of the lesser tuberosity of the humerus. A case report. Shibuya S, et al. **Clin Orthop** 1986 Oct;(211):215–8

The bent screw: a sign of postoperative recurrent dislocation. Rubenstein J. **J Can Assoc Radiol** 1987 Mar;38(1):20–2

Recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography. Work in progress. Singson RD, et al. **Radiology** 1987 Aug;164(2):425–8

"Shoulder arthrography". Gasparini D, et al. **Rays** 1985 Sep–Dec;10(3):23–30

[Pneumarthrocomputerized tomography in the diagnosis of recurrent and habitual shoulder dislocations] Resch H, et al. **Unfallchirurg** 1986 Oct;89(10):441–5 (Eng. Abstr.) (Ger)

REHABILITATION

[Functional rehabilitation treatment in traumatic shoulder dislocation] Tsykunov MV. **Ortop Travmatol Protez** 1986 Dec;(12):13–7 (Eng. Abstr.) (Rus)

SURGERY

Latissimus dorsi transfer for recurrent dislocation of the shoulder. Saha AK, et al. **Acta Orthop Scand** 1986 Dec; 57(6):539–41

Recurrent shoulder dislocation and screw failure after the Bristow–Latarjet procedure. A case report. Strömqvist B, et al. **Arch Orthop Trauma Surg** 1987;106(4):260–2

Arthroscopic Bankart suture repair: technique and early results. Morgan CD, et al. **Arthroscopy** 1987;3(2):111–22

Glenoplasty for recurrent posterior shoulder instability. An anatomic reappraisal. Gerber C, et al. **Clin Orthop** 1987 Mar;(216):70–9

Prosthetic replacement for chronic unreduced dislocations of the shoulder. Pritchett JW, et al. **Clin Orthop** 1987 Mar; (216):89–93

A modified Bristow–Helfet–May procedure for recurrent dislocation and subluxation of the shoulder. Report of two hundred and twelve cases. Torg JS, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):904–13

The Magnuson–Stack operation for recurrent anterior dislocation of the shoulder. A review of 38 cases. Ahmadain AM. **J Bone Joint Surg [Br]** 1987 Jan;69(1):111–4

Treatment of avulsed clavicle and recurrent subluxations of the ipsilateral shoulder by dynamic fixation. Caspi I, et al. **J Trauma** 1987 Jan;27(1):94–5

[Treatment of recurrent antero-medial dislocation of the shoulder. Apropos of 85 cases treated with a variant of Bankart's operation] Savornin C, et al. **Ann Chir** 1987; 41(3):216–21 (Eng. Abstr.) (Fre)

[Treatment of recurrent anterior dislocations of the shoulder by the technic of pre-glenoid stapling. Study of a series of 48 cases] Feron JM, et al. **J Chir (Paris)** 1986 Oct; 123(10):578–81 (Eng. Abstr.) (Fre)

[Arthroplastic resection of the shoulder. Results and indications apropos of 35 cases] Féry A, et al. **J Chir (Paris)** 1987 Jan;124(1):43–50 (Eng. Abstr.) (Fre)

[Latarjet's surgery in recurrent anterior dislocations of the shoulder. 117 cases with an 8-year follow-up] Benammar MN, et al. **Rev Chir Orthop** 1986;72(6):447–54 (Eng. Abstr.) (Fre)

[Prosthetic arthroplasty in recent and old complex injuries of the shoulder] Huten D, et al. **Rev Chir Orthop** 1986; 72(8):517–29 (Eng. Abstr.) (Fre)

[Long-term results of the treatment of fracture-luxations of the upper extremity of the humerus. Apropos of 64 cases] Mestdagh H, et al. **Rev Chir Orthop** 1986;72 Suppl 2:132–5 (Fre)

[Anterior recurrent luxation of the shoulder. Postoperative recurrences] Walch G, et al. **Rev Chir Orthop** 1986; 72(8):541–55 (Eng. Abstr.) (Fre)

[Surgical treatment of recurrent ventral dislocation of the shoulder using the Weber rotation osteotomy] Albers W, et al. **Aktuel Traumatol** 1986 Dec;16(6):238–40 (Eng. Abstr.) (Ger)

[Implantation instruments for bone chips—report of experiences with their use in the Eden–Hybinette–Lange operation] Bode G, et al. **Beitr Orthop Traumatol** 1987 Mar; 34(3):121–4 (Eng. Abstr.) (Ger)

[Surgical treatment of recurrent and habitual shoulder dislocations] Mayer G, et al. **Beitr Orthop Traumatol** 1987 Mar;34(3):117–21 (Eng. Abstr.) (Ger)

[Modified capsule-graft-plasty in the therapy of habitual shoulder dislocation] Blauth M, et al. **Unfallchirurg** 1986 Sep;89(9):429–35 (Eng. Abstr.) (Ger)

[Posterior shoulder dislocation] Poigenfürst J, et al. **Unfallchirurgie** 1986 Aug;12(4):171–5 (Eng. Abstr.) (Ger)

[Post-traumatic chronic instability of the shoulder joint. Therapy and results] Schneppendahl G, et al. **Unfallchirurgie** 1987 Feb;13(1):19–21 (Eng. Abstr.) (Ger)

[Late clinical and roentgenologic results following surgical treatment of chronic shoulder dislocation using Lange's technic] Melzer C, et al. **Z Orthop** 1986 Nov–Dec; 124(6):703–6 (Eng. Abstr.) (Ger)

[The Delitala technic in the surgical treatment of recurrent luxation of the shoulder] Manes E, et al. **Chir Organi Mov** 1986 Oct–Dec;71(4):343–6 (Eng. Abstr.) (Ita)

[Posterior habitual subluxation of the shoulder joint] Leydo R, et al. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):73–5 (Eng. Abstr.) (Pol)

[Functional and radiologic evaluation of the shoulder joint after joint-stabilizing procedures in habitual dislocation] Morasiewicz L, et al. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(4):302–7 (Eng. Abstr.) (Pol)

THERAPY

A comparison of the Milch and Kocher techniques for acute anterior dislocation of the shoulder. Beattie TF, et al. **Injury** 1986 Sep;17(5):349–52

Anterior dislocation of the shoulder in teen–agers and young adults. Five–year prognosis. Hovelius L. **J Bone Joint Surg [Am]** 1987 Mar;69(3):393–9

[Reduction of anterior subcoracoid dislocations of the shoulder] Mitel'man NIu. **Klin Khir** 1986;(12):52–3 **(Rus)**

VETERINARY

Chronic luxations. Bone DL. **Vet Clin North Am [Small Anim Pract]** 1987 Jul; 17(4):923–42 (53 ref.)

SHOULDER FRACTURES

CLASSIFICATION

A new classification of proximal humeral fractures. Seemann WR, et al. **Eur J Radiol** 1986 Aug;6(3):163–7

[Problems in classification of fractures of the proximal humerus] Ackermann C, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(4):209–15 **(Ger)**

COMPLICATIONS

[Indirect extensive injury of the brachial plexus associated with "asymptomatic" rupture of the subclavian artery]Kuś H, et al. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):76–9 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

The apical oblique view of the shoulder: its usefulness in acute trauma. Kornguth PJ, et al. **AJR** 1987 Jul; 149(1):113–6

Arthrography in evaluation of birth injuries of the shoulder. White SJ, et al. **J Can Assoc Radiol** 1987 Jun;38(2):113–5

SURGERY

Comminuted fractures of the proximal humerus treated with hook plate. Yamano Y. **Arch Orthop Trauma Surg** 1986; 105(6):359–63

Displaced proximal humeral fractures. Seven years' experience with a modified Zickel supracondylar device. Mouradian WH. **Clin Orthop** 1986 Nov;(212):209–18

External fixation of displaced fractures of the proximal humerus. Technique and preliminary results. Kristiansen B, et al. **J Bone Joint Surg [Br]** 1987 Aug;69(4):643–6

[Arthroplastic resection of the shoulder. Results and indications apropos of 35 cases] Féry A, et al. **J Chir (Paris)** 1987 Jan;124(1):43–50 (Eng. Abstr.) **(Fre)**

[Prosthetic arthroplasty in recent and old complex injuries of the shoulder] Huten D, et al. **Rev Chir Orthop** 1986; 72(8):517–29 (Eng. Abstr.) **(Fre)**

[Long–term results of the treatment of fracture–luxations of the upper extremity of the humerus. Apropos of 64 cases] Mestdagh H, et al. **Rev Chir Orthop** 1986;72 Suppl 2:132–5 **(Fre)**

[Temporary bore wire osteosynthesis in fractures of the head of the humerus] Rupf G, et al. **Aktuel Traumatol** 1987 Jun; 17(3):124–30 (Eng. Abstr.) **(Ger)**

[Wire osteosynthesis in fractures in the area of the shoulder] Vukov V, et al. **Beitr Orthop Traumatol** 1986 Oct; 33(10):494–500 (Eng. Abstr.) **(Ger)**

[Percutaneous drill wire osteosynthesis of fractures of the proximal humerus] Angehrn F, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(3):155–60 **(Ger)**

[Treatment of displaced fractures of the proximal third of the humerus based on our personal experience] Servodio Iammarrone C, et al. **Chir Organi Mov** 1986 Oct–Dec; 71(4):355–60 (Eng. Abstr.) **(Ita)**

[Role of osteosynthesis in fractures of the humeral neck] Zinghi GF, et al. **Chir Organi Mov** 1986 Jul–Aug; 71(3):235–40 (Eng. Abstr.) **(Ita)**

THERAPY

Proximal humeral fractures. Late results in relation to classification and treatment. Kristiansen B, et al. **Acta Orthop Scand** 1987 Apr;58(2):124–7

SHOULDER–HAND SYNDROME

ETIOLOGY

The clinical picture of the painful diabetic shoulder—natural history, social consequences and analysis of concomitant hand syndrome. Morén–Hybbinette I, et al. **Acta Med Scand** 1987;221(1):73–82

SHOULDER JOINT

Pulse oximetry during shoulder arthroscopy [letter] [published erratum appears in Anesthesiology 1987 Jul;67(1):156] Herschman ZJ, et al. **Anesthesiology** 1986 Nov;65(5):565

Frozen shoulder in hyperthyroidism. Wohlgethan JR. **Arthritis Rheum** 1987 Aug;30(8):936–9

Milwaukee shoulder—synovial fluid contains no active collagenase [letter] Cawston TE, et al. **Br J Rheumatol** 1987 Aug;26(4):311–2

Paracetamol and diclofenac in the painful shoulder syndrome [letter] Ward MC, et al. **Br J Rheumatol** 1986 Nov;25(4):412

Geriatric shoulder pain: common causes and their management. Zuckerman JD, et al. **Geriatrics** 1987 Sep; 42(9):43–8, 51–4, 56–8

Impingement syndrome of the shoulder. Johnson PH. **J Arkansas Med Soc** 1987 Feb;83(9):347–51

Excessive retroversion of the glenoid cavity. A cause of non–traumatic posterior instability of the shoulder [letter] Galinat BJ, et al. **J Bone Joint Surg [Am]** 1987 Apr; 69(4):632–3

Piroxicam versus naproxen in the treatment of painful shoulder. Smith MD, et al. **Pharmatherapeutica** 1986; 4(9):585–9

Examination of the shoulder complex. Bowling RW, et al. **Phys Ther** 1986 Dec;66(12):1866–77

Rheumatoid arthritis of the shoulder. Gibson KR. **Phys Ther** 1986 Dec;66(12):1920–9

Physical therapy management of the shoulder. Nitz AJ. **Phys Ther** 1986 Dec;66(12):1912–9

Frozen shoulder. Wadsworth CT. **Phys Ther** 1986 Dec; 66(12):1878–83

[Rotator cuff tears: intervention and rehabilitation] Segers M, et al. **Acta Belg Med Phys** 1986 Oct–Dec;9(4):299–301 **(Dut)**

[Arthroscopy of the shoulder] Lim TE. **Ned Tijdschr Geneeskd** 1987 Mar 7;131(10):404–7 (Eng. Abstr.) **(Dut)**

[Computed tomography (CT) of shoulder soft tissues. 2. The rotator cuff] Dihlmann W, et al. **ROFO** 1987 Aug; 147(2):147–51 (Eng. Abstr.) **(Ger)**

[Sonography as a new diagnostic procedure for resolving shoulder problems] Rapf C, et al. **ROFO** 1986 Sep; 145(3):288–95 (Eng. Abstr.) **(Ger)**

[Impingement syndrome of the shoulder] Kujat R. **Unfallchirurg** 1986 Sep;89(9):409–17 (Eng. Abstr.) **(Ger)**

[The frozen shoulder—results of a 10–year study] Ankermann KJ, et al. **Z Arztl Fortbild (Jena)** 1986;80(23):975–80 **(Ger)**

[Diseases and injuries of the rotator cuff—differential diagnostic aspects of periarthritis humeroscapularis] Irlenbusch U. **Z Arztl Fortbild (Jena)** 1987;81(5):205–10 **(Ger)**

[Periarthropathia humeroscapularis] Konermann H, et al. **Z Gerontol** 1987 Mar–Apr;20(2):91–4 (Eng. Abstr.) **(Ger)**

[Longitudinal study of the effect of physical stress on the locomotor system] Grube MR. **Z Gesamte Hyg** 1986 Sep; 32(9):564–5 (Eng. Abstr.) **(Ger)**

[The shoulder in basic calcium phosphate microcrystal deposit disease] Scutellari PN, et al. **Radiol Med (Torino)** 1986 Oct;72(10):724–8 (Eng. Abstr.) **(Ita)**

[The Milwaukee syndrome] Kucharz EJ. **Wiad Lek** 1987 Jan 1;40(1):18–20 (18 ref.) **(Pol)**

[Complex treatment of brachio–scapular periarthrisis using laser therapy] Berglezov MA, et al. **Klin Khir** 1986; (12):31–2 (Eng. Abstr.) **(Rus)**

[Arthroscopy of the shoulder joint] Levenets VN, et al. **Klin Khir** 1986;(12):34–5 (Eng. Abstr.) **(Rus)**

[Spontaneous rupture of the tendon of the long head of the biceps brachii in scapulohumeral periarthritis] Greida BP. **Sov Med** 1987;(3):119–20 **(Rus)**

[Use of cryotherapy in the treatment of a stiff and painful shoulder] Topličanec M. **Reumatizam** 1986;33(1–2):22–8 (Eng. Abstr.) **(Scr)**

[Rheumatological aspects of the painful shoulder] Jacobelli S. **Rev Med Chil** 1986 Feb;114(2):156–63 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Dislocation and/or congenital malformation of the shoulder joint. Observations on a Mediaeval skeleton from Denmark. Bennike P, et al. **Anthropol Anz** 1987 Jun;45(2):117–29

Congenital bilateral glenoid hypoplasia: a report of four cases. Kozlowski K, et al. **Br J Radiol** 1987 Jul;60(715):705–6

ANATOMY & HISTOLOGY

[MR of the shoulder joint with surface coils at 1.5 tesla. Its anatomy and possible clinical use] Beyer D, et al. **ROFO** 1987 Mar;146(3):294–9 (Eng. Abstr.) **(Ger)**

[Apparatus for measuring shoulder complex motion] Takahashi M, et al. **Iyodenshi To Seitai Kogaku** 1986 Dec; 24(7):457–63 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

The microangiographic pattern of the glenoid labrum of the dog. Kujat R. **Arch Orthop Trauma Surg** 1986;105(5):310–2

[Anatomical and clinical study of the circulation in shoulder disorders] Ebisuzaki T. **Igaku Kenkyu** 1986 Jun;56(2):51–65 (Eng. Abstr.) **(Jpn)**

INJURIES

Posterior shoulder dislocation. Muscle and capsular lesions in cadaver experiments. Ovesen J, et al. **Acta Orthop Scand** 1986 Dec;57(6):535–6

MR imaging of the shoulder: diagnosis of rotator cuff tears. Kneeland JB, et al. **AJR** 1987 Aug;149(2):333–7

Rupture of the rotator cuff of the shoulder associated with rupture of the tendon of the long head of the biceps. Postacchini F. **Ital J Orthop Traumatol** 1986 Jun; 12(2):137–49

MMIE malpractice claim review. Orthopedic surgery. MMIE Risk Management Committee. Sanders PS. **Minn Med** 1986 Sep;69(9):535–6

Mechanisms of shoulder injuries. McLeod WD, et al. **Phys Ther** 1986 Dec;66(12):1901–4

Athlete shoulder injuries: CT arthrographic findings. Rafii M, et al. **Radiology** 1987 Feb;162(2):559–64

[Lesions of the rotator cuff: the specific value of echography] Peetrons P, et al. **Acta Orthop Belg** 1986;52(6):703–16 (Eng. Abstr.) **(Fre)**

[Rotator cuff ruptures of the shoulder joint. Sonography—arthrography] Triebel HJ, et al. **Rontgenblatter** 1986 Sep;39(9):266–72 (Eng. Abstr.) **(Ger)**

[Sonography of the shoulder in rotator cuff defects. Technic and clinical value] Kujat R, et al. **Unfallchirurg** 1986 Sep; 89(9):398–401 (Eng. Abstr.) **(Ger)**

[Fractures of the glenoid surface of the scapula] Ecke H, et al. **Unfallchirurgie** 1987 Feb;13(1):14–8 (Eng. Abstr.) **(Ger)**

[Dislocation fractures of the proximal humerus—results following surgical treatment. A follow–up study of 167 cases] Kuner EH, et al. **Unfallchirurgie** 1987 Apr; 13(2):64–71 (Eng. Abstr.) **(Ger)**

[Sonography as a screening method in suspected rupture of the rotator cuff] Wening JV, et al. **Unfallchirurgie** 1987 Apr;13(2):60–3 (Eng. Abstr.) **(Ger)**

[Therapy of rupture of the great tubercle] Wolf T, et al. **Unfallchirurgie** 1987 Apr;13(2):106–9 (Eng. Abstr.) **(Ger)**

[Treatment of unstable fractures of the proximal end of the humerus using elastic curved intramedullary wires] Zifko B, et al. **Unfallchirurgie** 1987 Apr;13(2):72–81 (Eng. Abstr.) **(Ger)**

[Development and assessment of so–called rotator cuff ruptures] Weber M, et al. **Z Orthop** 1987 Jan–Feb; 125(1):108–19 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Examinations of the pathology of the rotator cuff. Refior HJ, et al. **Arch Orthop Trauma Surg** 1987;106(5):301–8

Heterotopic ossification of the shoulder following head injury. A case report. Wenner SM. **Clin Orthop** 1986 Nov; (212):231–6

Villonodular synovitis of the shoulder in the elderly. Ganel A, et al. **J Am Geriatr Soc** 1987 Jul;35(7):692–5

Painful shoulders in patients with rheumatoid arthritis. Prevalence, clinical and radiological features. Petersson CJ. **Scand J Rheumatol** 1986;15(3):275–9

Magnetic resonance imaging of glenohumeral joint diseases. Kieft GJ, et al. **Skeletal Radiol** 1987;16(4):285–90

PHYSIOLOGY

Posterior instability of the shoulder. A cadaver study. Ovesen J, et al. **Acta Orthop Scand** 1986 Oct;57(5):436–9

Anterior stability of the glenohumeral joint. A dynamic model. Cain PR, et al. **Am J Sports Med** 1987 Mar–Apr; 15(2):144–8

A clinical method of functional assessment of the shoulder. Constant CR, et al. **Clin Orthop** 1987 Jan;(214):160–4

Shoulder abduction fatiguability. Nicklin J, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):423–7

Cable grafting of the spinal accessory nerve for rehabilitation of shoulder function after radical neck dissection. Weisberger EC, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):915–8

A technique for studying the kinematics of human joints. Part II: The humeroscapular joint. Ohwovoriole EN, et al. **Orthopedics** 1987 Mar;10(3):457–62

Neuromuscular electrical stimulation of the muscles surrounding the shoulder. Baker LL, et al. **Phys Ther** 1986 Dec;66(12):1930–7

Shoulder joint load and muscular activity during lifting. Arborelius UP, et al. **Scand J Rehabil Med** 1986;18(2):71–82

Anatomic basis of ligamentous control of elevation of the shoulder (reference position of the shoulder joint). Gagey O, et al. **Surg Radiol Anat** 1987;9(1):19–26

["Rotator interval" lesion. Part 2: Biomechanical study]keda H. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec; 60(12):1275–81 (Eng. Abstr.) **(Jpn)**

[Analyses of tracking movements of the shoulder joint] Tomonaga I. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec; 60(12):1251–9 (Eng. Abstr.) **(Jpn)**

[Method for studying the motor function of the upper extremities in relation to the shoulder girdle] Pavlov VP, et al. **Ortop Travmatol Protez** 1987 Mar;(3):33–5 **(Rus)**

PHYSIOPATHOLOGY

The clinical picture of the painful diabetic shoulder—natural history, social consequences and analysis of concomitant hand syndrome. Morén–Hybbinette I, et al. **Acta Med Scand** 1987;221(1):73–82

Anterior and posterior shoulder instability. A cadaver study. Ovesen J, et al. **Acta Orthop Scand** 1986 Aug;57(4):324–7

Joint mobilization principles. Considerations for use in the child with central nervous system dysfunction. Cochrane CG. **Phys Ther** 1987 Jul;67(7):1105–9

Hemiplegic shoulder pain. Griffin JW. **Phys Ther** 1986 Dec; 66(12):1884–93

New rehabilitation concepts in management of radical neck dissection syndrome. A clinical report. Herring D, et al. **Phys Ther** 1987 Jul;67(7):1095–9

[The painful shoulder in the hemiplegic patient] Patte M. **Rev Med Brux** 1987 Jan;8(1):17–20 (Eng. Abstr.) **(Fre)**

[Electromyographic study associated with rotator cuff tears] Kawamoto S. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec; 60(12):1239–49 (Eng. Abstr.) **(Jpn)**

[Functional and radiologic evaluation of the shoulder joint after joint-stabilizing procedures in habitual dislocation] Morasiewicz L, et al. **Chir Narzadow Ruchu Ortop Pol** 1986; 51(4):302–7 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Radiographic views in recurrent anterior shoulder dislocation. Comparison of six methods for identification of typical lesions. Rozing PM, et al. **Acta Orthop Scand** 1986 Aug;57(4):328–30

CT arthrographic patterns in recurrent glenohumeral instability. Singson RD, et al. **AJR** 1987 Oct;149(4):749–53

Clinical experience with double contrast medium computerised tomography (arthro–CT) in instability of the shoulder. Randelli M, et al. **Ital J Orthop Traumatol** 1986 Jun;12(2):151–8

Primary degenerative joint disease of the shoulder in a colony of beagles. Morgan JP, et al. **J Am Vet Med Assoc** 1987 Mar 1;190(5):531–40

A useful projection in radiography of the shoulder. Horsfield D, et al. **J Bone Joint Surg [Br]** 1987 Mar;69(2):338

Radiologic case study. Shoulder impingement syndrome. Kerr R. **Orthopedics** 1987 Apr;10(4):634, 637–42

"Shoulder arthrography". Gasparini D, et al. **Rays** 1985 Sep–Dec;10(3):23–30

[Clinical investigation of scapulohumeral periarthritis with arthrography] Chen JR. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Aug;20(4):235–9 (Eng. Abstr.) **(Chi)**

[The enthesopathic shoulder] Fournié B, et al. **Rev Rhum Mal Osteoartic** 1987 Jun;54(6):447–51 (Eng. Abstr.) **(Fre)**

[Computed tomography of the soft tissues of the shoulder. 1. Synovial reactions] Dihlmann W, et al. **ROFO** 1987 Jul; 147(1):1–5 (Eng. Abstr.) **(Ger)**

[Radiological studies of peritendinitis calcarea in the area of the shoulder joint in the dog] Mayrhofer E. **Zentralbl Veterinarmed [A]** 1987 Aug;34(7):501–7 (Eng. Abstr.) **(Ger)**

SURGERY

Cup arthroplasty of the rheumatoid shoulder. Jónsson E, et al. **Acta Orthop Scand** 1986 Dec;57(6):542–6

Primary malignant bone tumors of the shoulder girdle: surgical technique of resection and reconstruction. Frassica FJ, et al. **Am Surg** 1987 May;53(5):264–9

Pulse oximetry during shoulder arthroscopy [letter] Gibbs N, et al. **Anesthesiology** 1987 Jul;67(1):150–1

Transposition of coracoacromial ligament to humerus in treatment of vertical shoulder joint instability. Clinical applicability of experimental technique. Ovesen J, et al. **Arch Orthop Trauma Surg** 1987;106(5):323–6

Interscalene block anesthesia for shoulder surgery. Conn RA, et al. **Clin Orthop** 1987 Mar;(216):94–8

External fixation shoulder arthrodesis. Johnson CA, et al. **Clin Orthop** 1986 Oct;(211):219–23

The early results of porous-coated total shoulder arthroplasty. McElwain JP, et al. **Clin Orthop** 1987 May; (218):217–24

A humeral head cutting guide: instrument to secure correct humeral component retroversion in shoulder joint arthroplasty. Ovesen J, et al. **Clin Orthop** 1987 Mar; (216):193–4

Prosthetic replacement for chronic unreduced dislocations of the shoulder. Pritchett JW, et al. **Clin Orthop** 1987 Mar; (216):89–93

Therapeutic value of scapular and pelvic girdle disarticulations in sarcoma. Lienard D, et al. **Eur J Surg Oncol** 1987 Jun;13(3):231–7

Clinical experience with total arthroplasty and hemiarthroplasty of the shoulder using the Neer prosthesis. Bell SN, et al. **Int Orthop** 1986;10(4):217–22

Total shoulder arthroplasty. Barrett WP, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):865–72

Simplified posterior approach to the shoulder joint. A technical note. Brodsky JW, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):773–4

Repair of the rotator cuff. End–result study of factors influencing reconstruction. Ellman H, et al. **J Bone Joint Surg [Am]** 1986 Oct;68(8):1136–44

Arthroplasty of the ipsilateral shoulder and elbow in patients who have rheumatoid arthritis. Friedman RJ, et al. **J Bone Joint Surg [Am]** 1987 Jun;69(5):661–6

[Transposition of vascular pedicled scapular flaps for the repair of defects of the proximal humerus and arthrodesis of the shoulder joint] Yang LM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 May;24(5):267–8, 315 (Eng. Abstr.) **(Chi)**

[Scapulohumeral arthrodesis by combined external and internal fixation. A biomechanical, technical and clinical study] Vidal J, et al. **Rev Chir Orthop** 1987;73(3):171–7 (Eng. Abstr.) **(Fre)**

[The shoulder joint in chronic polyarthritis] Petersson CJ. **Orthopade** 1986 Aug;15(4):297–303 (Eng. Abstr.) **(Ger)**

[Diagnosis and causal therapy of shoulder instabilities] Gerber C, et al. **Unfallchirurg** 1986 Sep;89(9):418–28 (Eng. Abstr.) **(Ger)**

[Widening of the subacromial space caused by changes in the vertical angle of inclination of the glenoid cavity in the surgical treatment of humeroscapular peri–arthritis] Koydl P. **Z Orthop** 1986 Jul–Aug;124(4):418–21 **(Ger)**

["Rotator interval" lesion. Part 1: Clinical study] Ikeda H. **Nippon Seikeigeka Gakkai Zasshi** 1986 Dec;60(12):1261–73 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of the impingement syndrome] Eri LM, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):543–4 **(Nor)**

[Acromionectomy in chronic shoulder pain] Nygaard OP, et al. **Tidsskr Nor Laegeforen** 1987 Feb 28;107(6):560–1 **(Nor)**

[Posterior habitual subluxation of the shoulder joint] Leydo R, et al. **Chir Narzadow Ruchu Ortop Pol** 1987;52(1):73–5 (Eng. Abstr.) **(Pol)**

[Methods for the surgical treatment of total postburn contracture of the shoulder joint with preservation of the undamaged portion of the skin over the cupola of the axillary fossa] Grishkevich VM, et al. **Klin Khir** 1987; (3):48–50 **(Rus)**

SHOWDOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SHREWS

Social variables influence female sexual behavior in the musk shrew (Suncus murinus). Rissman EF. **J Comp Psychol** 1987 Mar;101(1):3–6

ANATOMY & HISTOLOGY

Comparative studies of the dorsal surface of the tongue in three mammalian species by scanning electron microscopy. Iwasaki S, et al. **Acta Anat (Basel)** 1987;128(2):140–6

The female genital tract of the shrew Crocidura russula. Kress A, et al. **Adv Anat Embryol Cell Biol** 1987;101:1–76

Caecal size and function in the rock elephant shrew Elephantulus myurus (Insectivora, Macroscelididae) and the Namaqua rock mouse Aethomys namaquensis (Rodentia, Muridae). Woodall PF, et al. **Comp Biochem Physiol [A]** 1987;87(2):311–4

Atrial natriuretic peptide detected by immunocytochemistry in peripheral organs of Tupaia belangeri. Flügge G, et al. **Histochemistry** 1987;86(5):479–83

Sensory innervation of gingival and alveolar mucosa of the house musk shrew (Suncus murinus). Yamamoto T, et al. **Tohoku J Exp Med** 1986 Nov;150(3):327–36

GENETICS

Genetic differentiation between laboratory lines of the musk shrew (Suncus murinus, Insectivora) based on restriction endonuclease cleavage patterns of mitochondrial DNA. Yamagata T, et al. **Biochem Genet** 1987 Jun;25(5–6):429–46

Factors responsible for a karyotypic polymorphism in the common shrew, Sorex araneus. Searle JB. **Proc R Soc Lond [Biol]** 1986 Dec 22;229(1256):277–98 (52 ref.)

Chromosome preparations in the field from mammals long after death. Fredga K. **Stain Technol** 1987 May; 62(3):167–71

METABOLISM

Failure of hCG treatment in depleting testicular cholesterol content of the musk shrew (Suncus murinus L) in different seasons. Mohanty N, et al. **Indian J Exp Biol** 1986 Dec; 24(12):791–2

Serum constituents and liver photomicrographs of wild Suncus murinus in the south of Taiwan. Lin SC, et al. **Jikken Dobutsu** 1987 Jan;36(1):57–63

A new experimental animal for the study of age–related changes in serotonergic neuronal activity in the brain cortex. Yamaguchi T, et al. **Neurochem Res** 1987 Feb; 12(2):215–9

MICROBIOLOGY

New infectious spirochete isolated from short–tailed shrews and white–footed mice. Anderson JF, et al. **J Clin Microbiol** 1987 Aug;25(8):1490–4

[Strains of epidemic hemorrhagic fever virus isolated from the lungs of C. russula and A. squamipes] Chen SZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Sep;20(5):261–3 (Eng. Abstr.) **(Chi)**

PARASITOLOGY

Role of small mammals in population dynamics and dissemination of Amblyomma americanum and Dermacentor variabilis (Acari: Ixodidae) at Land Between The Lakes, Tennessee. Zimmerman RH, et al. **J Med Entomol** 1987 May;24(3):370–5

Coccidian parasites (Apicomplexa: Eimeriidae) from insectivores. III. Seven new species in shrews (Soricidae: Soricinae) from Canada, Japan, and the United States. Hertel LA, et al. **J Parasitol** 1987 Feb;73(1):172–83

[Description of Hymenolepis cerberensis n. sp. (Cestoda: Hymenolepididae) and first general considerations on the fauna of cestode parasites of the pygmy shrew Suncus etruscus (Savi, 1822) (Insectivora: Soricidae)] Mas–Coma S, et al. **Ann Parasitol Hum Comp** 1986;61(4):411–22 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Role of the ovary and adrenal gland in the sexual behavior of the musk shrew, Suncus murinus. Rissman EF, et al. **Biol Reprod** 1987 Apr;36(3):664–8

Gonadal influences on sexual behavior in the male musk shrew (Suncus murinus). Rissman EF. **Horm Behav** 1987 Mar;21(1):132–6

Pharmacological characteristics of the contractile response of the vas deferens in shrews (Suncus murinus). Iizuka H, et al. **Lab Anim Sci** 1986 Dec;36(6):701–2

Scent marking in the musk shrew (Suncus murinus). Tennant LE, et al. **Physiol Behav** 1987;39(6):677–80

SHREWS, TREE see **TUPAIIDAE**

SHRIMP

Regional variation in elicitation of contact urticaria syndrome (immediate hypersensitivity syndrome): shrimp. Maibach HI. **Contact Dermatitis** 1986 Aug;15(2):100

A lymphoma–like neoplasm arising from hematopoietic tissue in the white shrimp, Penaeus vannamei Boone (Crustacea: Decapoda). Lightner DV, et al. **J Invertebr Pathol** 1987 Mar;49(2):188–93

ANALYSIS

Adaptation of a quantitative programme for the X–ray analysis of solubilized tissue as microdroplets in the transmission electron microscope: application to the moult cycle of the shrimp Crangon crangon (L). Nott JA, et al. **Histochem J** 1986 Sep;18(9):507–18

Identification of a shrimp–derived allergen as tRNA. Nagpal S, et al. **J Immunol** 1987 Jun 15;138(12):4169–74

DRUG EFFECTS

Interaction between salinity and toxicity of phosphamidon in Metapenaeus monoceros (Fabricius). Vijayalakshmi P, et al. **Bull Environ Contam Toxicol** 1986 Dec;37(6):797–801

The effect of sub–lethal doses of dieldrin on resting and active metabolism in two species of shrimps. Lawrence V, et al. **Comp Biochem Physiol [C]** 1986;85(1):183–6

The effect of sub–lethal doses of dieldrin on the ventilatory and cardiac activity in two species of shrimps. Lawrence V, et al. **Comp Biochem Physiol [C]** 1986;85(1):177–81

Impact of phosphamidon on the carbohydrate metabolism of a freshwater prawn, Macrobrachium lamarrei. Omkar, et al. **Environ Res** 1986 Dec;41(2):591–7

EMBRYOLOGY

Ecdysteroid levels during embryogenesis in the shrimp, Palaemon serratus (Crustacea Decapoda): quantitative and qualitative changes. Spindler KD, et al. **Gen Comp Endocrinol** 1987 Apr;66(1):116–22

IMMUNOLOGY

Soy– and shrimp–specific IgE responses in orally and intraperitoneally immunized mice. Bozelka BE, et al. **Int Arch Allergy Appl Immunol** 1987;83(3):271–7

METABOLISM

Comparative metabolism of fenitrothion in aquatic organisms. III. Metabolism in the crustaceans, Daphnia pulex and Palaemon paucidens. Takimoto Y, et al. **Ecotoxicol Environ Safety** 1987 Feb;13(1):126–34

Affinity chromatography on 2',5'–ADP–Sepharose 4B for purification of malic enzyme from crustacean muscle. Skorkowski EF, et al. **J Chromatogr** 1987 Mar 13; 389(2):427–32

[Determination of indole and skatole in seafood using high performance liquid chromatography (HPLC)] Schulz H. **Z Lebensm Unters Forsch** 1986 Nov;183(5):331–4 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Evaluation of methods for enumeration of Vibrio parahaemolyticus from seafood. Karunasagar I, et al. **Appl Environ Microbiol** 1986 Sep;52(3):583–5

An outline of penaeid shrimp culture methods including infectious disease problems and priority drug treatments. Bell TA, et al. **Vet Hum Toxicol** 1987;29 Suppl 1:37–43

[Levels of microbial contamination of frozen and quick–frozen shellfish products] D'Errico MM, et al. **Nuovi Ann Ig Microbiol** 1985 Sep–Oct;36(5):343–50 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Waterborne and sediment–source toxicities of six organic chemicals to grass shrimp (Palaemonetes pugio) and amphioxus (Branchiostoma caribaeum). Clark JR, et al. **Arch Environ Contam Toxicol** 1987 Jul;16(4):401–7

SHWARTZMAN PHENOMENON

A possible effect on the Shwartzman reaction in the rabbit

caused by fentanyl-fluanisone tranquillization. Naess V, et al. **Lab Anim** 1986 Oct;20(4):304-6

COMPLICATIONS

Shwartzman reaction as a pathogenetic mechanism in fulminant hepatitis. Mori W, et al. **Semin Liver Dis** 1986 Aug;6(3):267-76 (57 ref.)

METABOLISM

Procoagulant activity in kidneys of normal and bacterial lipopolysaccharide-treated rabbits. Brukman J, et al. **Kidney Int** 1987 Jul;32(1):31-8

PHYSIOPATHOLOGY

Vasoactive agents and production of thrombosis during intravascular coagulation. 3. Comparative effects of catecholamines. Latour JG, et al. **Am J Pathol** 1987 Mar; 126(3):569-80

SHY-DRAGER SYNDROME see under **AUTONOMIC NERVOUS SYSTEM DISEASES**

SHYNESS

Shyness, group dependence and self-concept: attributes of the imaginary audience. Hauck WE, et al. **Adolescence** 1986 Fall;21(83):529-34

A comparison of treatment strategies for clients functionally impaired by extreme shyness and social avoidance. Cappe RF, et al. **J Consult Clin Psychol** 1986 Dec;54(6):796-801

Shyness: conceptualization and measurement. Jones WH, et al. **J Pers Soc Psychol** 1986 Sep;51(3):629-39

Shyness, boredom, and grade point average among college students. Maroldo GK. **Psychol Rep** 1986 Oct;59(2 Pt 1):395-8

Shyness situations: perspectives of a diverse sample of shy females. Watson AK, et al. **Psychol Rep** 1986 Dec; 59(3):1040-2

SIADH see **INAPPROPRIATE ADH SYNDROME**

SIALADENITIS see under **SALIVARY GLAND DISEASES**

SIALIC ACIDS

On the side-chain conformation of N-acetylneuraminic acid and its epimers at C-7, C-8, and C-7,8. Christian R, et al. **Carbohydr Res** 1987 Apr 15;162(1):1-11

The role of subunit sialic acid in the thyrotropic and gonadotropic activities of human chorionic gonadotropin. Amir SM, et al. **Endocrinology** 1987 Jul;121(1):160-6

Properties of a sialic acid-specific lectin from the slug Limax flavus. Miller RL. **Methods Enzymol** 1987;138:527-36

O-acetylsialic acid-specific lectin from the crab Cancer anntenarius. Ravindranath MH, et al. **Methods Enzymol** 1987;138:520-7

Isolation and characterization of the alpha-sialyl-beta-2,3-galactosyl-specific adhesin from fimbriated Escherichia coli. Moch T, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3462-6

ANALYSIS

The variation of Romhányi's aldehyde-bisulfite-toluidine blue (ABT)-reaction: the aldehyde-bisulfite-1.9-dimethyl methylene blue (ABD)- and sialic acid specific topo-optical reaction. Makovitzky J. **Acta Histochem (Jena)** 1987;81(1):35-9

Differential distribution of sialic acid in exocrine pancreas and parotid gland. Mureşan Z, et al. **Acta Histochem (Jena)** 1987;81(1):109-15

Effect of immunoglobulin deposition on the amount of glomerular sialic acids in patients with membranous nephropathy. Yagame M, et al. **Acta Pathol Jpn** 1986 Dec; 36(12):1807-11

Fluorometric determination of sialic acids using malononitrile in weakly alkaline media and its application to postcolumn labeling in high-performance liquid chromatography. Honda S, et al. **Anal Biochem** 1987 Feb 1;160(2):455-61

Quantitation of picomole levels of N-acetyl- and N-glycolylneuraminic acids by a HPLC-adaptation of the thiobarbituric acid assay. Powell LD, et al. **Anal Biochem** 1986 Aug 15;157(1):179-85

Comparison of electron and chemical ionization mass spectrometry of sialic acids. Reuter G, et al. **Anal Biochem** 1986 Aug 15;157(1):39-46

Novel sialic acid containing glycoproteins are produced during encystment of Entamoeba cultures. Avron B, et al. **Arch Invest Med (Mex)** 1986;17 Suppl 1:195-202

Carbohydrate deposits on the surfaces of worn extended-wear soft contact lenses. Klotz SA, et al. **Arch Ophthalmol** 1987 Jul;105(7):974-7

Asparagine-linked sugar chains of fetuin: occurrence of tetrasialyl triantennary sugar chains containing the Gal beta 1——3GlcNAc sequence. Takasaki S, et al. **Biochemistry** 1986 Sep 23;25(19):5709-15

Amino acid sequence of sialic acid binding lectin from frog (Rana catesbeiana) eggs. Titani K, et al. **Biochemistry** 1987 Apr 21;26(8):2189-94

Relationship between proliferative activity of bone marrow micrometastasis and plasmatic level of a new cancer marker: lipid associated sialic acid (LASA) in human breast cancer. Ginsbourg M, et al. **Biomed Pharmacother** 1986; 40(10):388-91

Migration of O-acetyl groups in N,O-acetylneuraminic acids. Kamerling JP, et al. **Eur J Biochem** 1987 Feb 2;162(3):601-7

Sialylation patterns of lymphocyte function-associated antigen 1 (LFA-1) differ between T and B lymphocytes. Takeda A. **Eur J Immunol** 1987 Feb;17(2):281-6

High and low molecular weight tracers for the electron microscopical detection of sialoglycoconjugates. Mureşan V, et al. **Histochem J** 1987 Mar;19(3):170-8

Histochemical procedures for the simultaneous visualization of neutral sugars and either sialic acid and its O-acyl variants or O-sulphate ester. II. Methods based upon the periodic acid-phenylhydrazine-Schiff reaction. Park CM, et al. **Histochem J** 1987 May;19(5):257-63

Histochemical procedures for the simultaneous visualization of neutral sugars and either sialic acid and its side chain O-acyl variants or O-sulphate ester. I. Methods based upon the selective periodate oxidation of sialic acids. Volz D, et al. **Histochem J** 1987 May;19(5):249-56

Can 'mild' periodate oxidation be used for the specific histochemical identification of sialic acid residues? Volz D, et al. **Histochem J** 1986 Oct;18(10):579-82

Cytochemical characterization of sialoglycoconjugates on rat photoreceptor cell surface. Cohen D, et al. **Invest Ophthalmol Vis Sci** 1987 Apr;28(4):640-5

Amino sugars in the glycoprotein toxin from Bacillus thuringiensis subsp. israelensis. Pfannenstiel MA, et al. **J Bacteriol** 1987 Feb;169(2):796-801

Colorectal goblet cell mucins in familial adenomatous polyposis. Sugihara K, et al. **J Clin Pathol** 1987 Jun; 40(6):608-11

Analysis of sialic acids. Schauer R. **Methods Enzymol** 1987; 138:132-61

Effects of chronic alcohol consumption in weanling rats on brain gangliosides. Klemm WR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1986; 10(6):697-702

Selective inactivation of influenza C esterase: a probe for detecting 9-O-acetylated sialic acids. Muchmore EA, et al. **Science** 1987 Jun 5;236(4806):1293-5

Possible role of sialic acid in bovine mastitis with particular reference to milk electrical conductivity. Atroshi F, et al. **Zentralbl Veterinarmed [B]** 1986 Oct;33(8):620-7

[Isolation and NMR spectroscopic characterization of sialic acid compounds and hemofiltrate of chronic uremia patients] Weissl uar G, et al. **Biol Chem Hoppe Seyler** 1987 Jun;368(6):647-58 (Eng. Abstr.) **(Ger)**

[Analysis of the fucose and sialic acid in mucoid sputum from patients with chronic obstructive pulmonary disease] Yasuoka S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):735-41 (Eng. Abstr.) **(Jpn)**

[Serial changes in the tumor markers (ferritin, immunosuppressive acid protein, beta 2 microglobulin, sialic acid) after TAE in hepatocellular carcinoma] Takagi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 May; 84(5):1077-83 (Eng. Abstr.) **(Jpn)**

[The structure of O-specific polysaccharide from Pseudomonas aeruginosa 013 containing 5,7-diacetoamido-3,5,7,9-tetradeoxy-D-glycero-L-galacto-nonulosonic acid and 2-acetamidino-2,6-dideoxy-L-galactose] Knirel' IuA, et al. **Bioorg Khim** 1986 Jun;12(6):848-51 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Polysialic acid units are spatially and temporally expressed in developing postnatal rat kidney. Roth J, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1969-73

BLOOD

Changes of sialic acid content in cell membranes and plasma in juvenile diabetes mellitus. Watała C, et al. **Acta Med Pol** 1986;27(1-2):51-5

Alternations in lipid membrane fluidity and the physical state of cell-surface sialic acid in zinc-deficient rat erythrocyte ghosts. Jay M, et al. **Biochim Biophys Acta** 1987 Mar 12; 897(3):507-11

Decreased sialic acid content of erythrocytes in patients with aplastic anaemia. Yoshida M, et al. **Br J Haematol** 1987 Mar;65(3):351-5

Total and lipid-associated serum sialic acid levels in cancer patients with different primary sites and differing degrees of metastatic involvement. Plucinsky MC, et al. **Cancer** 1986 Dec 15;58(12):2680-5

alpha-L-fucosidase variant and lipid-associated sialic acid in hereditary ovarian cancer. Wells IC, et al. **Cancer Genet Cytogenet** 1987 Apr;25(2):247-51

Studies of the sialylation and microheterogeneity of human serum alpha 1-acid glycoprotein in health and disease. Moule SK, et al. **Clin Chim Acta** 1987 Jul 15; 166(2-3):177-85

Prognostic significance of lipid bound sialic acid in sera of cancer patients. Shanmugam V, et al. **Indian J Cancer** 1986 Sep;23(3):173-7

Erythrocyte sialic acid in human sickle-cell disease. Onyemelukwe GC, et al. **J Comp Pathol** 1987 Mar; 97(2):143-7

Immunosuppression, sialic acid, and sialyltransferase of neonatal and maternal bovine serum. Sherblom AP, et al. **J Reprod Immunol** 1986 Dec;9(4):365-75

Resialylated erythrocytes for assessment of the specificity of sialyloligosaccharide binding proteins. Paulson JC, et al. **Methods Enzymol** 1987;138:162-8

Biochemical markers of malignant melanoma. Matouš B, et al. **Neoplasma** 1987;34(1):77-84

Serum sialic acid levels in cattle inoculated with Fusobacterium necrophorum. Itabisashi T, et al. **Nippon Juigaku Zasshi** 1987 Aug;49(4):673-80

Significance of sialic acid determination [letter] Roy HW, et al. **S Afr Med J** 1987 Feb 7;71(3):193-4

[Comparative research on serum N-acetylneuraminic acid determinations in tumor diagnosis] Kunstmann FW. **Arch Geschwulstforsch** 1987;57(1):47-51 (Eng. Abstr.) **(Ger)**

[Serum sialic acid levels in cancer, pregnancy and upper respiratory infections] Sydow G, et al. **Arch Geschwulstforsch** 1986;56(6):413-7 (Eng. Abstr.) **(Ger)**

[Lipid-bound sialic acid: a biological indicator of laryngeal neoplasia] Galioto GB, et al. **Acta Otorhinolaryngol Ital** 1985 Sep-Oct;5(5):507-14 (Eng. Abstr.) **(Ita)**

[Blood sialic acid in pregnancy and the puerperium] Conti M, et al. **Ann Ostet Ginecol Med Perinat** 1987 Mar-Apr; 108(2):90-3 (Eng. Abstr.) **(Ita)**

[A clinical study on serum sialic acid and immunosuppressive acidic protein (IAP) as inflammatory parameter in non-malignant pulmonary diseases] Reshad K, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1986 Mar;19(1-2):56-70 (Eng. Abstr.) **(Jpn)**

[Significance of serum sialic acid levels in monitoring patients with gynecologic cancer] Shimizu Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1986 Jul 20;21(6):1311-7 (Eng. Abstr.) **(Jpn)**

[Clinical significance of sialic acid determinations in patients with gynecologic cancer] Shimizu Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Jan;39(1):49-55 (Eng. Abstr.) **(Jpn)**

[Changes in the serum levels of seromucoid and sialic acid in women with cervical cancer after brachytherapy] Jakielsszek JM, et al. **Wiad Lek** 1986 Aug 1;39(15):1035-40 (Eng. Abstr.) **(Pol)**

[Determination of lipid-bound sialic acid levels in the diagnosis of recurrences of cancer of the rectum] Ozhiganov EL, et al. **Lab Delo** 1987;(3):204-7 (Eng. Abstr.) **(Rus)**

[Lipid-bound sialic acids in the diagnosis of malignant neoplasms of the lungs and stomach] Surina AG, et al. **Lab Delo** 1986;(8):470-3 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Elevation of cerebrospinal fluid sialic acid concentration in children with central nervous system leukemia. Asami T, et al. **Acta Paediatr Scand** 1987 Mar;76(2):260-5

CHEMICAL SYNTHESIS

Synthesis of p-nitrophenyl 5-acetamido-3,5-dideoxy-alpha-D-glycero-D-galacto-2-nonulopyranosid onic acid, a chromogenic substrate for sialidases. Eschenfelder V, et al. **Carbohydr Res** 1987 May 1;162(2):294-7

A synthesis of N-acetylneuraminic acid and [6-2H]-N-acetylneuraminic acid from N-acetyl-D-glucosamine. Julina R, et al. **Carbohydr Res** 1987 Jul 1;164:415-32

IMMUNOLOGY

Reversible susceptibility to natural cell-mediated cytotoxicity observed in altered BHK cells resistant to HVJ (Sendai virus) infection. Kimura Y, et al. **Cell Immunol** 1987 May; 106(2):287-92

Complement activation by human lymphocytes from different lymphoid organs: role of sialic acid and lack of relationship to electrical surface charge. Gutierrez C, et al. **Complement** 1987;4(2):99-109

New monoclonal antibodies SN3, SN3a, and SN3b directed to sialic acid of glycoprotein on human non-T leukemia cells. Fukukawa T, et al. **Exp Hematol** 1986 Oct;14(9):850-5

An IgG monoclonal antibody to group B meningococci cross-reacts with developmentally regulated polysialic acid units of glycoproteins in neural and extraneural tissues. Finne J, et al. **J Immunol** 1987 Jun 15;138(12):4402-7

ISOLATION & PURIFICATION

Rapid separation of oligomers of polysialic acid by high-performance liquid chromatography. Hallenbeck PC, et al. **Anal Biochem** 1987 Feb 15;161(1):181-6

Analysis of the chain length of oligomers and polymers of sialic acid isolated from Neisseria meningitidis group B and C and Escherichia coli K1 and K92. Lifely MR, et al. **Carbohydr Res** 1986 Nov 15;156:123-35

4,8-anhydro-N-acetylneuraminic acid. Isolation from edible bird's nest and structure determination. Pozsgay V, et al. **Eur J Biochem** 1987 Jan 15;162(2):445-50

METABOLISM

Sialic acid mediates the initial binding of positively charged inorganic particles to alveolar macrophage membranes. Gallagher JE, et al. **Am Rev Respir Dis** 1987 Jun; 135(6):1345-52

Pulmonary emphysema in a nonsmoking patient with Salla

disease. Pääkkö P, et al. **Am Rev Respir Dis** 1987 Apr; 135(4):979–82

Enhanced sialylation of the K 562 cell surface membrane glycoconjugates induced by adriamycin. Trentesaux C, et al. **Anticancer Res** 1987 Mar–Apr;7(2):187–92

N-acetylneuraminic acid accumulation in a buoyant lysosomal fraction of cultured fibroblasts from patients with infantile generalized N-acetylneuraminic acid storage disease. Hildreth J 4th, et al.
Biochem Biophys Res Commun 1986 Sep 14;139(2):838–44

Liver endothelium desialates ceruloplasmin. Irie S, et al.
Biochem Biophys Res Commun 1986 Oct 15;140(1):94–100

Transient expression of sialylated glycans during glycoprotein processing by embryonal carcinomas. Ivatt RJ. **Biochem Biophys Res Commun** 1987 Jan 30; 142(2):489–95

Theoretical and experimental study on the competition of NANA–aldolase and cytidine-5'-monophosphosialate–synthase for their common substrate N-acetylneuraminic acid. Kolisis FN, et al. **Biochem Int** 1986 Sep;13(3):493–500

Sialic acid of lung surfactant apoprotein, SP 28–36, is not required for the Ca2+–mediated interactions between surfactant lipids and SP 28–36. Efrati H, et al.
Biochim Biophys Acta 1987 Feb 23;917(3):425–7

N-acetyl-9-O-acetylneuraminic acid, the receptor determinant for influenza C virus, is a differentiation marker on chicken erythrocytes. Herrler G, et al.
Biol Chem Hoppe Seyler 1987 May;368(5):451–4

Detection of desialylated forms of human chorionic gonadotropin. Imamura S, et al. **Clin Chim Acta** 1987 Mar 30;163(3):339–49

Sialic acid in cervical carcinoma patients. Maity P.
Eur J Gynaecol Oncol 1987;8(2):102–4

Free sialic acid storage disease. A new Italian case. Fois A, et al. **Eur J Pediatr** 1987 Mar;146(2):195–8

Examination of sialic acid binding on dystrophic and normal retinal pigment epithelium. McLaughlin BJ, et al.
Exp Eye Res 1987 Mar;44(3):439–50

Localization of sialic acid moieties in the endothelial lining of Schlemm's canal in normal and glaucomatous eyes. Tripathi RC, et al. **Exp Eye Res** 1987 Feb;44(2):293–306

Developmental regulation of sialic acid modifications in rat and human colon. Muchmore EA, et al. **FASEB J** 1987 Sep;1(3):229–35

Calmodulin may decrease cell surface sialic acid and be involved in the expression of fibronectin during liver regeneration. Coll MJ, et al. **FEBS Lett** 1986 Nov 24; 208(2):418–22

Evidence for sialyl glycoconjugates as receptors for Bordetella bronchiseptica on swine nasal mucosa. Ishikawa H, et al. **Infect Immun** 1987 Jul;55(7):1607–9

Two integral membrane proteins located in the cis-middle and trans-part of the Golgi system acquire sialylated N-linked carbohydrates and display different turnovers and sensitivity to cAMP-dependent phosphorylation. Yuan L, et al. **J Cell Biol** 1987 Jul;105(1):215–27

Autoradiographic demonstration of in vivo sialylation of endogenous acceptors at the microvillar surface of intestinal columnar cells after intraluminal administration of CMP-[3H]-sialic acid. Bennett G, et al.
J Histochem Cytochem 1987 Aug;35(8):861–4

The effect of D-(+)-glucosamine on levels of free N-acetylneuraminic acid and UDP-N-acetylhexosamines in infantile sialic acid storage disease (ISSD) fibroblasts. Paschke E, et al. **J Inherited Metab Dis** 1987;10(1):48–51

Postnatal D2-CAM/N-CAM sialylation state is controlled by a developmentally regulated Golgi sialyltransferase. Breen KC, et al. **J Neurochem** 1987 May;48(5):1486–93

A ganglioside species (GD1 alpha) migrates at a slow rate and CMP-sialic acid several fold faster in Xenopus sciatic nerve: fluorographic demonstration. Igarashi M, et al.
J Neurochem 1986 Dec;47(6):1720–7

Sialic acids: metabolism of O-acetyl groups. Schauer R.
Methods Enzymol 1987;138:611–26

Ultrastructural alterations in the sialic acid distribution in minimal change disease and membranous glomerulonephritis. Quatacker J, et al. **Pathol Res Pract** 1987 Apr;182(2):188–94

Prenatal diagnosis and confirmation of infantile sialic acid storage disease. Vamos E, et al. **Prenat Diagn** 1986 Nov–Dec;6(6):437–46

The surface receptor is a major determinant of the cell tropism of influenza C virus. Herrler G, et al. **Virology** 1987 Jul;159(1):102–8

[Is the reduction of the intragastric output of sialic acid bound to glycoproteins of the mucus an index to its gastric protective effect?] Vatier J, et al.
Gastroenterol Clin Biol 1987 Jun–Jul;11(6–7):483–7 (Eng. Abstr.) **(Fre)**

[Methodologic studies of N-acetylneuraminic acid determination in human gastric juice] Schuchert A, et al.
Z Gastroenterol 1987 May;25(5):255–60 (Eng. Abstr.) **(Ger)**

[N-acetylneuraminic acid after pentagastrin and secretin in subjects with duodenal ulcer and non-ulcerative dyspepsia] Pilotto A, et al. **Minerva Dietol Gastroenterol** 1986 Jul–Sep; 32(3):241–8 (Eng. Abstr.) **(Ita)**

[Sialic acid content and hydrolase activity of the myocardium and blood serum in pesticide exposure (experimental data)] Popovich MI, et al. **Gig Sanit** 1986 Dec;(12):78–80 **(Rus)**

[Changes in sialic acid content of the plasma membrane in hepatocellular proliferation] Coll MJ, et al.
Rev Esp Fisiol 1986 Dec;42(4):435–9 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

The influence of N-acetylneuraminic acid on the properties of human orosomucoid. Friedman ML, et al. **Biochem J** 1986 May 15;236(1):149–53

Specific inhibition of human natural killer cell–mediated cytotoxicity by sialic acid and sialo-oligosaccharides. Van Rinsum J, et al. **Int J Cancer** 1986 Dec 15;38(6):915–22

[The effect of human glycophorin A and saccharides on the invasion of human erythrocytes by Plasmodium falciparum] Li JX, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1986;4(2):86–9 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Membrane sialic acid influences basophil histamine release by interfering with calcium dependence. Jensen C, et al.
Agents Actions 1987 Apr;20(3–4):161–4

Hyposialylation of differentiation-inducer-resistant HL-60 cells. Gallagher RE, et al. **Blood** 1986 Dec;68(6):1402–6

Cell surface sialylation of two human tumor cell lines and its correlation with their platelet-activating activity. Bastida E, et al. **Cancer Res** 1987 Apr 1;47(7):1767–70

Role of sialic acid in the kinetics of Streptococcus sanguis adhesion to artificial pellicle. Cowan MM, et al.
Infect Immun 1987 Jul;55(7):1552–7

Sialic acid of group B Neisseria meningitidis regulates alternative complement pathway activation. Jarvis GA, et al. **Infect Immun** 1987 Jan;55(1):174–80

A membrane-associated neuraminidase in Entamoeba histolytica trophozoites. Udezulu IA, et al.
Infect Immun 1987 Jan;55(1):181–6

Removal of human polymorphonuclear leukocyte surface sialic acid inhibits reexpression (or recycling) of formyl peptide receptors. A possible explanation for its effect on formyl peptide-induced polymorphonuclear leukocyte chemotaxis. Perez HD, et al. **J Immunol** 1987 Sep 15; 139(6):1978–84

Cell surface sialic acid influences tumor cell recognition in the mixed lymphocyte reaction. Powell LD, et al.
J Immunol 1987 Jul 1;139(1):262–70

The regulatory role of sialic acids in the response of class II reactive T cell hybridomas to allogeneic B cells [published erratum appears in J Immunol 1986 Dec 15;137(12):4021] Taira S, et al. **J Immunol** 1986 Oct 15; 137(8):2448–54

Role of sialic acid in synaptosomal transport of amino acid transmitters. Zaleska MM, et al.
Proc Natl Acad Sci USA 1987 Mar;84(6):1709–12

Role of sialic acid in acquired dysfibrinogenemia associated with liver cirrhosis. Narvaiza MJ, et al. **Ric Clin Lab** 1986 Oct–Dec;16(4):563–8

[Sialic acids and the cellular function of the hematopoietic system] Ding SF. **Sheng Li Ko Hsueh Chin Chan** 1987 Jan; 18(1):66–8 (35 ref.) **(Chi)**

[Biochemistry of sialic acids] Schauer R. **Seikagaku** 1987 Mar; 59(3):133–46 (6 ref.) **(Jpn)**

SECRETION

Effects of monensin on the Na+ pump activity and the release of amylase and sialic acid in dog submandibular glands. Komabayashi T, et al.
Res Commun Chem Pathol Pharmacol 1987 Jan;55(1):141–4

URINE

Detection of sialuria by cation-exchange high-performance liquid chromatography. Mononen I. **J Chromatogr** 1986 Sep 5;381(2):219–24

SIALIDASE see **NEURAMINIDASE**

SIALOGLYCOPEPTIDES see **SIALOGLYCOPROTEINS**

SIALOGLYCOPROTEINS

Human erythrocyte membrane sialoglycoprotein beta. The cDNA sequence suggests the absence of a cleaved N-terminal signal sequence. High S, et al. **Biochem J** 1987 Apr 1;243(1):277–80

Thermodynamics of glycophorin in phospholipid bilayer membranes. MacDonald AL, et al. **Biochemistry** 1987 Apr 7;26(7):1909–17

Possible role of the carbohydrate residues on the structure of the N-terminus of glycophorin AM. Dill K, et al.
Carbohydr Res 1986 Sep 1;152:217–28

Blood group antigens: synthesis of Ss antigenic peptides related to human glycophorin B. Ferrari B, et al.
Int J Pept Protein Res 1986 Nov;28(5):456–61

Preliminary X-ray diffraction results on co-crystals of wheat germ agglutinin with a sialoglycopeptide from the red cell receptor glycophorin A. Wright CS, et al. **J Mol Biol** 1987 Mar 20;194(2):353–5

ANALYSIS

Epithelial polyanion (podocalyxin) is found on the sides but not the soles of the foot processes of the glomerular epithelium. Sawada H, et al. **Am J Pathol** 1986 Nov; 125(2):309–18

The blood group U antigen is not located on glycophorin B. Ballas SK, et al. **Biochim Biophys Acta** 1986 Nov 19; 884(2):337–43

The Dantu erythrocyte phenotype of the NE variety. I. Dodecylsulfate polyacrylamide gel electrophoretic studies. Dahr W, et al. **Blut** 1987 Jul;55(1):19–31

The Dantu erythrocyte phenotype of the NE variety. II. Serology, immunochemistry, genetics, and frequency. Unger P, et al. **Blut** 1987 Jul;55(1):33–43

A human T-T-cell hybridoma-derived lymphocyte chemoattractant factor. Theodore AC, et al.
Cell Immunol 1986 Apr 1;98(2):411–21

Seasonal variability of sialo-glycoconjugates in the brain of the Djungarian hamster (Phodopus sungorus). Beitinger H, et al. **Comp Biochem Physiol [B]** 1987;86(2):377–84

Hybrid glycophorins from human erythrocyte membranes. Isolation and complete structural analysis of the novel sialoglycoprotein from St(a+) red cells. Blanchard D, et al. **Eur J Biochem** 1987 Sep 1;167(2):361–6

Hybrid glycophorins from human erythrocyte membranes. I. Isolation and complete structural analysis of the hybrid sialoglycoprotein from Dantu-positive red cells of the N.E. variety. Dahr W, et al. **Eur J Biochem** 1987 Jul 1; 166(1):31–6

Structural analysis of the major human erythrocyte membrane sialoglycoprotein from Miltenberger class VII cells. Dahr W, et al. **Eur J Biochem** 1987 Jul 1;166(1):27–30

Structures of novel sialylated O-linked oligosaccharides isolated from human erythrocyte glycophorins. Fukuda M, et al. **J Biol Chem** 1987 Sep 5;262(25):11952–7

Keratan sulfate proteoglycan in rabbit compact bone is bone sialoprotein II. Kinne RW, et al. **J Biol Chem** 1987 Jul 25;262(21):10206–11

A plasma membrane integral sialoglycoprotein (Sgp 130) molecularly distinguishes nonjunctional dense plaque sites of microfilament attachment. Rogalski AA. **J Cell Biol** 1987 Aug;105(2):819–31

Identification of a major sialoprotein in the glycocalyx of human visceral glomerular epithelial cells. Kerjaschki D, et al. **J Clin Invest** 1986 Nov;78(5):1142–9

Molecular heterogeneity of a lymphocyte glycoprotein in immunodeficient patients. Reisinger D, et al.
J Clin Invest 1987 Feb;79(2):595–9

Immunohistochemical demonstration of a 44-KD phosphoprotein in developing rat bones. Mark MP, et al.
J Histochem Cytochem 1987 Jul;35(7):707–15

Leukosialin, a major sialoglycoprotein on human leukocytes as differentiation antigens. Fukuda M, et al. **Med Biol** 1986; 64(6):335–43 (37 ref.)

Detection of polysialosyl-containing glycoproteins in brain using prokaryotic-derived probes. Troy FA, et al.
Methods Enzymol 1987;138:169–85

Structure of human erythrocyte glycophorin C deduced from cDNA analysis. Cartron JP, et al.
Rev Fr Transfus Immunohematol 1986 Sep;29(4):267–85 (61 ref.)

Molecular biological study of the structure and expression of human glycophorin A. Siebert PD, et al.
Rev Fr Transfus Immunohematol 1986 Sep;29(4):251–66

Reactions of murine monoclonal antibodies to blood group MN antigens. Rubocki R, et al. **Vox Sang** 1986;51(3):217–25

BIOSYNTHESIS

Temporal aspects of O-glycosylation and cell surface expression of ascites sialoglycoprotein-1, the major cell surface sialomucin of 13762 mammary ascites tumor cells. Spielman J, et al. **J Biol Chem** 1987 Jan 5;262(1):269–75

BLOOD

Characterization of O-glycosidically linked oligosaccharides of rat erythrocyte membrane sialoglycoproteins. Edge AS, et al. **Biochemistry** 1986 Dec 2;25(24):8017–24

High-frequency antigens of human erythrocyte membrane sialoglycoproteins, IV. Molecular properties of the U antigen. Dahr W, et al. **Biol Chem Hoppe Seyler** 1987 Jun; 368(6):659–67

Identification of a functional role for human erythrocyte sialoglycoproteins beta and gamma. Reid ME, et al.
Blood 1987 Apr;69(4):1068–72

Expression on blood cells of sialophorin, the surface glycoprotein that is defective in Wiskott-Aldrich syndrome. Remold-O'Donnell E, et al. **Blood** 1987 Jul; 70(1):104–9

Characterization of the Ss sialoglycoprotein and its antigens in Rhnull erythrocytes. Dahr W, et al. **Blut** 1987 Jan; 54(1):13–24

Structure and function of the red cell membrane sialoglycoproteins. Anstee DJ, et al. **Br J Haematol** 1986 Oct;64(2):211–5 (28 ref.)

Membrane glycophorins of Dantu blood group erythrocytes. Blumenfeld OO, et al. **J Biol Chem** 1987 Aug 25; 262(24):11864–70

[Serum levels of sialoglycoproteins soluble in perchloric acid in rats with Yoshida's sarcoma] Osinaga E, et al.
Rev Esp Oncol 1985;32(2):291–300 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Instability of red cell shape associated with the absence of membrane glycophorin C. Kuczmarski CA, et al.
Vox Sang 1987;52(1–2):36–42

GENETICS

Structural polymorphism of glycophorins demonstrated by immunoblotting techniques. Lu YQ, et al. **Blood** 1987 Feb; 69(2):618–24

Developmental expression of prion protein gene in brain. McKinley MP, et al. **Dev Biol** 1987 May;121(1):105–10

Measurements of the frequency of human erythrocytes with gene expression loss phenotypes at the glycophorin A locus. Langlois RG, et al. **Hum Genet** 1986 Dec; 74(4):353–62

Localization of the gene for human erythrocyte glycophorin C to chromosome 2, q14–q21. Mattei MG, et al. **Hum Genet** 1986 Dec;74(4):420–2

Transferrin variants in Japan and New Zealand. Report of an unusually sialyzed TF variant. Yuasa I, et al. **Hum Hered** 1987;37(1):20–5

RFLPs for the human erythrocyte membrane glycophorin C gene. Arveiler B, et al. **Nucleic Acids Res** 1987 Feb 25; 15(4):1880

The inheritance of abnormal sialoglycoproteins found in a Gerbich negative individual. Anderson SE, et al. **Pathology** 1986 Oct;18(4):407–12

Cloning and sequence analysis of rat bone sialoprotein (osteopontin) cDNA reveals an Arg–Gly–Asp cell–binding sequence. Oldberg A, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(23):8819–23

Evidence for increased somatic cell mutations at the glycophorin A locus in atomic bomb survivors. Langlois RG, et al. **Science** 1987 Apr 24;236(4800):445–8

IMMUNOLOGY

High frequency antigens of human erythrocyte membrane sialoglycoproteins, III. Studies on the EnaFR, Wrb and Wra antigens. Dahr W, et al. **Biol Chem Hoppe Seyler** 1986 Oct;367(10):1033–45

Characterization of a rat salivary sialoglycoprotein complex which agglutinates Streptococcus mutans. Brack CM, et al. **Infect Immun** 1987 May;55(5):1264–73

Acquired glycophorin–like antigens associated with autoimmune hemolytic anemia. Kajii E, et al. **Nippon Ketsueki Gakkai Zasshi** 1987 Feb;50(1):175–7

Inhibition of malarial invasion by intracellular antibodies against intrinsic membrane proteins in the red cell. Dluzewski AR, et al. **Parasitology** 1986 Dec;93 (Pt 3):427–31

A human monoclonal IgM kappa cold agglutinin recognizing oligosaccharides with immunodominant sialyl groups preferentially at the blood group M–specific peptide backbone of glycophorins: anti–PrM. Roelcke D, et al. **Vox Sang** 1986;51(3):207–11

ISOLATION & PURIFICATION

Fractionation of sialylated oligosaccharides, glycopeptides, and glycoproteins on immobilized elderberry (Sambucus nigra L.) bark lectin. Shibuya N, et al. **Arch Biochem Biophys** 1987 Apr;254(1):1–8

Glycophorins of human erythroleukemic K562 cells. Silver RE, et al. **Arch Biochem Biophys** 1987 Jul;256(1):285–94

Purification and partial characterization of a tumour–metastasis–associated high–Mr glycoprotein from rat 13762NF mammary adenocarcinoma cells. Steck PA, et al. **Biochem J** 1987 Mar 15;242(3):779–87

Structure of the carbohydrate portion of the sialo–glycopeptide isolated from the skin of the fish Mastacembalus armatus. Ghosh R, et al. **Carbohydr Res** 1987 May 1;162(2):257–69

Hybrid glycophorins from human erythrocyte membranes. Isolation and complete structural analysis of the novel sialoglycoprotein from St(a+) red cells. Blanchard D, et al. **Eur J Biochem** 1987 Sep 1;167(2):361–6

Glycophorins B and C from human erythrocyte membranes. Purification and sequence analysis. Blanchard D, et al. **J Biol Chem** 1987 Apr 25;262(12):5808–11

Purification and partial characterization of small proteoglycans I and II, bone sialoproteins I and II, and osteonectin from the mineral compartment of developing human bone. Fisher LW, et al. **J Biol Chem** 1987 Jul 15; 262(20):9702–8

METABOLISM

Autoradiographic investigations on sialoglycoconjugates in the CNS of normothermic and hibernating fat dormice (Glis glis). Hilbig R, et al. **Acta Histochem [Suppl] (Jena)** 1987;34:177–83

Decrease in the sialoglycoprotein content of the glomerular basement membrane in experimental nephrosis. Quatacker J. **Acta Histochem [Suppl] (Jena)** 1987;34:107–8

Trypsin induced destabilization of liposomes composed of dioleoylphosphatidylethanolamine and glycophorin. Hu LR, et al. **Biochem Biophys Res Commun** 1986 Dec 30; 141(3):973–8

Effect of surface modification of liposomes with sialoglycopeptide on their clearance from the circulation. Haga M, et al. **Chem Pharm Bull (Tokyo)** 1986 Jul; 34(7):2979–88

Calmodulin may decrease cell surface sialic acid and be involved in the expression of fibronectin during liver regeneration. Coll MJ, et al. **FEBS Lett** 1986 Nov 24; 208(2):418–22

Changes in the expression of cell surface sialoglycoproteins during transition of human monocytes into macrophages. Heino J, et al. **FEBS Lett** 1986 Oct 6;206(2):218–22

Evidence for sialyl glycoconjugates as receptors for Bordetella bronchiseptica on swine nasal mucosa. Ishikawa H, et al. **Infect Immun** 1987 Jul;55(7):1607–9

Heinz bodies induce clustering of band 3, glycophorin, and ankyrin in sickle cell erythrocytes. Waugh SM, et al. **J Clin Invest** 1986 Nov;78(5):1155–60

Possible pitfalls in the identification of glycophorin–binding proteins of Plasmodium falciparum. van Schravendijk MR, et al. **J Exp Med** 1987 Aug 1;166(2):376–90

Analysis of the bond between encephalomyocarditis virus and its human erythrocyte receptor by affinity chromatography on virus–sepharose columns. Allaway GP, et al. **J Gen Virol** 1987 Jul;68 (Pt 7):1849–56

Developmental change in the amount of polysialosyl glycopeptides isolated from the rat brain. Oohira A, et al. **J Neurochem** 1987 May;48(5):1333–9

Inhibition of reovirus type 3 binding to host cells by sialylated glycoproteins is mediated through the viral attachment protein. Pacitti AF, et al. **J Virol** 1987 May;61(5):1407–15

Selective binding of bone matrix sialoprotein to Staphylococcus aureus in osteomyelitis [letter] Rydén C, et al. **Lancet** 1987 Aug 29;2(8557):515

Noncollagenous bone proteins in experimental rickets in the rat. Wientroub S, et al. **Mol Cell Biochem** 1987 Apr; 74(2):157–62

Glycophorin is the reovirus receptor on human erythrocytes. Paul RW, et al. **Virology** 1987 Jul;159(1):94–101

PHARMACODYNAMICS

Gastroprotection and lysosomal membrane stabilization by sulglicotide. Porta R, et al. **Arzneimittelforschung** 1986 Jul; 36(7):1079–82

Glycophorin A interferes in the agglutination of human erythrocytes by concanavalin A. Explanation of the requirement for enzymic predigestion. Gokhale SM, et al. **Biochem J** 1987 Jan 15;241(2):505–11

A unique sialoglycopeptide growth regulator that inhibits mitogenic activity of a phorbol ester tumor promoter. Chou HH, et al. **Cancer Lett** 1987 May;35(2):119–28

Protective effect of sulglycotide on human gastric mucosa exposed to taurocholic acid. Corinaldesi R, et al. **Int J Clin Pharmacol Res** 1987;7(2):101–4

Inhibition of epidermal growth factor–stimulated DNA synthesis by a bovine sialoglycopeptide inhibitor occurs at an intracellular level. Bascom CC, et al. **J Cell Biochem** 1987 Aug;34(4):283–91

Sialic acid glycoproteins inhibit in vitro and in vivo replication of rotaviruses. Yolken RH, et al. **J Clin Invest** 1987 Jan;79(1):148–54

The effect of fetuin and other sialoglycoproteins on the in vitro penetration of Trypanosoma cruzi trypomastigotes into fibroblastic cells. Piras MM, et al. **Mol Biochem Parasitol** 1987 Jan 15;22(2–3):135–43

[The effect of human glycophorin A and saccharides on the invasion of human erythrocytes by Plasmodium falciparum] Li JX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1986;4(2):86–9 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Hyposialylation of differentiation–inducer–resistant HL–60 cells. Gallagher RE, et al. **Blood** 1986 Dec;68(6):1402–6

Identification of the O–linked sialyloligosaccharides of glycophorin A as the erythrocyte receptors for S–fimbriated Escherichia coli. Parkkinen J, et al. **Infect Immun** 1986 Oct;54(1):37–42

Glycoprotein recognition mediates attachment of Plasmodium chabaudi to mouse erythrocytes. Rodriguez MH, et al. **Infect Immun** 1987 Jan;55(1):187–92

Sialophorin, a surface sialoglycoprotein defective in the Wiskott–Aldrich syndrome, is involved in human T lymphocyte proliferation. Mentzer SJ, et al. **J Exp Med** 1987 May 1;165(5):1383–92

Structural and functional aspects of tumor cell sialomucins. Carraway KL, et al. **Mol Cell Biochem** 1986 Nov–Dec; 72(1–2):109–20

POISONING

Toxic effect of isolated glycophorin A on the in vitro growth of Plasmodium falciparum. Hermentin P, et al. **Blut** 1987 Feb;54(2):115–22

SIALOGRAPHY

Sialography: a brief update. Moss EG. **NJ Med** 1987 Jan; 84(1):39–41

[Present place of sialography in the diagnosis of diseases of the major salivary glands from the surgical point of view] Börsting R, et al. **Fortschr Kiefer Gesichtschir** 1987;32:62–3 **(Ger)**

[Epicritic analysis of clinical and x–ray findings in diseases of the major salivary glands] Karl P, et al. **Fortschr Kiefer Gesichtschir** 1987;32:61–2 **(Ger)**

[Sensitivity and specificity of sialography in relation to the diagnosis of inflammatory and calculous diseases of the salivary glands] Wagner W, et al. **Fortschr Kiefer Gesichtschir** 1987;32:60–1 **(Ger)**

[Changes in the salivary glands following sialography. Differential diagnosis of granulomatous reactions] Hamper K, et al. **Pathologe** 1987 Mar;8(2):65–72 **(Ger)**

ADVERSE EFFECTS

"Iodide mumps" following parotid sialography. Case reports. Katz J, et al. **J Oral Med** 1986 Jul–Sep;41(3):149–51

METHODS

CT sialography: utilising acinar filling. Evers K, et al. **Br J Radiol** 1985 Sep;58(693):839–43

Experimental sialography: the effects of retrograde infusion of radiographic contrast media on salivary gland morphology and function. A review article. Qwarnström E. **Oral Surg Oral Med Oral Pathol** 1986 Dec;62(6):668–82

[Present status and place of sialography, its possibilities and limitations] Pfeiffer K. **Fortschr Kiefer Gesichtschir** 1987; 32:53–6 **(Ger)**

[Digital subtraction dacryocystography and sialography] Gmelin E, et al. **ROFO** 1987 Jun;146(6):643–6 (Eng. Abstr.) **(Ger)**

[Use of CT sialography in the study of chronic inflammatory processes of the parotid gland] Sodano A, et al. **Minerva Stomatol** 1986 Nov;35(11):1097–100 (Eng. Abstr.) **(Ita)**

[Electroroentgenosialography in the diagnosis of diseases of the major salivary glands] Iazukiavichius LA. **Stomatologiia (Mosk)** 1987 May–Jun;66(3):39–41 (Eng. Abstr.) **(Rus)**

SIALOLITHIASIS see **SALIVARY DUCT CALCULI**

SIALOMETAPLASIA, NECROTIZING see under **SALIVARY GLAND DISEASES**

SIALOPROTEINS see **SIALOGLYCOPROTEINS**

SIALORRHEA

PHYSIOPATHOLOGY

Oral motor functioning, frequency of swallowing and drooling in normal children and in children with cerebral palsy. Sochaniwskyj AE, et al. **Arch Phys Med Rehabil** 1986 Dec;67(12):866–74

PREVENTION & CONTROL

The use of overcorrection as a means to control drooling. Trott MC, et al. **Am J Occup Ther** 1986 Oct;40(10):702–4

[A scopolamine plaster behind the ear to prevent drooling?] Storhaug K, et al. **Tidsskr Nor Laegeforen** 1986 Oct 20; 106(29):2440 **(Nor)**

THERAPY

Management of bulbar symptoms in amyotrophic lateral sclerosis. Hillel AD, et al. **Adv Exp Med Biol** 1987; 209:201–21

Self–control and reinforcement in the management of a cerebral–palsied adolescent's drooling. Dunn KW, et al. **Dev Med Child Neurol** 1987 Jun;29(3):305–10

Biofeedback techniques and behaviour modification in the conservative remediation of drooling by children with cerebral palsy. Koheil R, et al. **Dev Med Child Neurol** 1987 Feb;29(1):19–26

Sialodochoplasty—does it work? Pogrel MA. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):266–9

VETERINARY

A field study of watery mouth: clinical, epidemiological, biochemical, haematological and bacteriological observations. Eales FA, et al. **Vet Rec** 1986 Nov 29; 119(22):543–7

SIALYLTRANSFERASES

ANALYSIS

Hodgkin's cell lectin: an ectosialyltransferase and lymphocyte agglutinant related to the hepatic asialoglycoprotein receptor. Paietta E, et al. **Cancer Res** 1987 May 1; 47(9):2461–7

Differential subcompartmentation of terminal glycosylation in the Golgi apparatus of intestinal absorptive and goblet cells. Roth J, et al. **J Biol Chem** 1986 Oct 25; 261(30):14307–12

ANTAGONISTS & INHIBITORS

Inhibition of ganglioside sialyltransferase activity and stimulation of neutral glycolipid exocytosis by heparin. Schwarting GA, et al. **Arch Biochem Biophys** 1987 Jul; 256(1):69–77

BLOOD

Immunosuppression, sialic acid, and sialyltransferase of neonatal and maternal bovine serum. Sherblom AP, et al. **J Reprod Immunol** 1986 Dec;9(4):365–75

METABOLISM

Sialyltransferases as specific cell surface probes of terminal and penultimate saccharide structures on living cells. Whiteheart SW, et al. **Anal Biochem** 1987 May 15;

163(1):123–35
Characterization of serum, liver, and intestinal sialyltransferases from rats treated with colchicine. Ratnam S, et al. **Biochem Cell Biol** 1987 Mar;65(3):183–7
Different reactivity to lysophosphatidylcholine, DIDS and trypsin of two brain sialyltransferases specific for O-glycans: a consequence of their topography in the endoplasmic membranes. Baubichon-Cortay H, et al. **Biochim Biophys Acta** 1986 Nov 17;862(2):243–53
Developmental changes in the activities of sialyl- and fucosyltransferases in rat small intestine. Chu SH, et al. **Biochim Biophys Acta** 1986 Oct 1;883(3):496–500
Presence of cytidine 5'-monophospho-N-acetylneuraminic acid:Gal beta 1-3GalNAc-R alpha(2-3)-sialyltransferase in normal human leukocytes and increased activity of this enzyme in granulocytes from chronic myelogenous leukemia patients. Baker MA, et al. **Cancer Res** 1987 Jun 1;47(11):2763–6
Effect of retinoic acid and phorbol-12-myristate-13-acetate on glycosyltransferase activities in normal and transformed cells. Moskal JR, et al. **Cancer Res** 1987 Feb 1;47(3):787–90
Ganglioside biosynthesis in rat liver. Characterization of three sialyltransferases. Busam K, et al. **Eur J Biochem** 1986 Oct 1;160(1):23–30
The trans-tubular network of the hepatocyte Golgi apparatus is part of the secretory pathway. Taatjes DJ, et al. **Eur J Cell Biol** 1986 Dec;42(2):344–50
Study of circadian correlations between acetylcholine muscarinic receptor and brain glycosyltransferases by multivariate analysis. Broquet P, et al. **Int J Biochem** 1987; 19(7):653–6
Branch specificity of bovine colostrum CMP-sialic acid: Gal beta 1——4GlcNAc-R alpha 2——6-sialyltransferase. Sialylation of bi-, tri-, and tetraantennary oligosaccharides and glycopeptides of the N-acetyllactosamine type. Joziasse DH, et al. **J Biol Chem** 1987 Feb 15;262(5):2025–33
Activation of CMP-N-acetylneuraminic acid:lactosylceramide sialyltransferase during the differentiation of HL-60 cells induced by 12-O-tetradecanoylphorbol-13-acetate. Momoi T, et al. **J Biol Chem** 1986 Dec 5;261(34):16270–3
Postnatal D2-CAM/N-CAM sialylation state is controlled by a developmentally regulated Golgi sialyltransferase. Breen KC, et al. **J Neurochem** 1987 May;48(5):1486–93
Glycolipids. Basu M, et al. **Methods Enzymol** 1987; 138:575–607
CMP-NeuNAc:poly-alpha-2,8-sialosyl sialyltransferase in neural cell membranes. McCoy RD, et al. **Methods Enzymol** 1987;138:627–37

SIBLING RELATIONS

Phase-specific symptomatic response to sibling loss in late adolescence. Widen HA. **Adolesc Psychiatry** 1987; 14:218–29
Mentally retarded adults and their siblings. Zetlin AG. **Am J Ment Defic** 1986 Nov;91(3):217–25
Surviving a child's suicide. Hoffman Y. **Am J Nurs** 1987 Jul;87(7):955–6
Sibling incest: a study of the dynamics of 25 cases. Smith H, et al. **Child Abuse Negl** 1987;11(1):101–8
The firstborn's adjustment to the birth of a sibling: a longitudinal assessment. Stewart RB, et al. **Child Dev** 1987 Apr;58(2):341–55
Infants' interactions with mother, sibling, and peer: contrasts and relations between interaction systems. Vandell DL, et al. **Child Dev** 1987 Feb;58(1):176–86
Siblings as models in early infant learning. Wishart JG. **Child Dev** 1986 Oct;57(5):1232–40
Interpersonal influences in adolescent drug use—the role of older siblings, parents, and peers. Needle R, et al. **Int J Addict** 1986 Jul;21(7):739–66
Rural/urban elderly and siblings: their value consensus. Suggs PK, et al. **Int J Aging Hum Dev** 1986–87;24(2):149–59
Siblings in the delivery room: consultations to the obstetrical service. Isberg RS, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):268–73
Siblings with somatoform disorders in childhood and adolescence. Kriechman AM. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):226–31
Sibling relationships of children with autistic, mentally retarded, and nonhandicapped brothers and sisters. McHale SM, et al. **J Autism Dev Disord** 1986 Dec;16(4):399–413
Sibling quarrels and maternal intervention: individual differences in understanding and aggression. Dunn J, et al. **J Child Psychol Psychiatry** 1986 Sep;27(5):583–95
Sibling preparation classes for preschool children. Wilford B, et al. **Matern Child Nurs J** 1986 Fall;15(3):171–85
Siblings of the mentally retarded—a neglected resource and family member. Weiss AI. **Med Law** 1986;5(4):279–87
Siblings of paediatric cancer patients: a population at risk. Carr-Gregg M, et al. **Med Pediatr Oncol** 1987;15(2):62–8 (79 ref.)
Childhood sibling loss. A family tragedy. Pollock GH. **Pediatr Ann** 1986 Dec;15(12):851–5
[Conflict in sibling numbers and its effect on neuroses, diseases and everyday behavior] Langenmayr A. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb-Mar; 36(2):36–9 (Eng. Abstr.) (Ger)

SICK ROLE

see related
ATTITUDE TO HEALTH
Identifying children at high somatic risk: possible long-term effects on the parents' attitudes and feelings associated with the child. McNeil TF, et al. **Acta Psychiatr Scand** 1986 Oct;74(4):341–6
Diabetes as experienced by adolescents. Meldman LS. **Adolescence** 1987 Summer;22(86):433–44
Psychological measurements in somatization and abnormal illness behavior. Kellner R. **Adv Psychosom Med** 1987; 17:101–18
Comparison of the clinical features and illness behaviour of patients presenting with dyspepsia of unknown cause (essential dyspepsia) and organic disease. Talley NJ, et al. **Aust NZ J Med** 1986 Jun;16(3):352–9
Psychiatric symptoms, social disablement and illness behaviour. Hurry J, et al. **Aust NZ J Psychiatry** 1987 Mar; 21(1):68–73
The impact of dysmenorrhea on daily activities. Gruber VA, et al. **Behav Res Ther** 1987;25(2):123–8
Psychological factors influencing recovery from outpatient surgery. Jamison RN, et al. **Behav Res Ther** 1987;25(1):31–7
The role of learning history in current sick-role behavior and assertion. Moss RA. **Behav Res Ther** 1986;24(6):681–3
Complaint patterns of patients with irritable bowel syndrome, Crohn's disease and acute gastroenterological illness. Rosenthal TL, et al. **Behav Res Ther** 1987;25(2):99–112
Psychological disturbance and illness behaviour in a clinic for sexually transmitted diseases. Ikkos G, et al. **Br J Med Psychol** 1987 Jun;60 (Pt 2):121–6
Distinguishing disease from illness [letter] **Can Med Assoc J** 1987 Feb 1;136(3):234–5
Developmental changes in analogies used to describe parts of the body: implications for communicating with sick children. Eiser C, et al. **Child Care Health Dev** 1986 Sep-Oct;12(5):277–85
Psychological issues in diabetes: a different approach [letter] Glasgow RE, et al. **Diabetes Care** 1982 Nov-Dec; 5(6):645–6
Frequent attenders—a review. Schrire S. **Fam Pract** 1986 Dec;3(4):272–5 (32 ref.)
Chronic illness and the life cycle: a conceptual framework. Rolland JS. **Fam Process** 1987 Jun;26(2):203–21
Denial of illness: a reappraisal. Douglas CJ, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):53–7
Illness concerns, attitudes towards homosexuality, and social support in gay men with AIDS. Wolcott DL, et al. **Gen Hosp Psychiatry** 1986 Nov;8(6):395–403
Age differences in coping, behavioral dysfunction and depression following colostomy surgery. Keyes K, et al. **Gerontologist** 1987 Apr;27(2):182–4
Psychosocial adjustment to and control of diabetes mellitus: differences by disease type and treatment. Davis WK, et al. **Health Psychol** 1987;6(1):1–14
Assessing daily management in childhood diabetes. Johnson SB, et al. **Health Psychol** 1986;5(6):545–64
Psychosocial aspects of genital herpes virus infection. VanderPlate C, et al. **Health Psychol** 1987;6(1):57–72
Psychopathology in medical inpatients and its relationship to length of hospital stay: a pilot study. Levenson JL, et al. **Int J Psychiatry Med** 1986–87;16(3):231–6
Psychosocial adjustment of familial polyposis patients and participation in a chemoprevention trial. Miller HH, et al. **Int J Psychiatry Med** 1986–87;16(3):211–30
Predictors of psychological distress in hospitalized pediatric patients. Saylor CF, et al. **J Am Acad Child Adolesc Psychiatry** 1987 Mar;26(2):232–6
Neuroendocrine and psychological factors in childhood diabetes mellitus. Barglow P, et al. **J Am Acad Child Psychiatry** 1986 Nov;25(6):785–93
Psychotherapy of patients with serious intercurrent medical illness (cancer). Druss RG. **J Am Acad Psychoanal** 1986 Oct;14(4):459–72
Illness in the doctor: implications for the psychoanalytic process. Schwartz HJ. **J Am Psychoanal Assoc** 1987; 35(3):657–92
Countertransference during an analyst's brief illness. van Dam H. **J Am Psychoanal Assoc** 1987;35(3):647–55
Implicit models of illness. Turk DC, et al. **J Behav Med** 1986 Oct;9(5):453–74
The assessment of denial and physical complaints: the validity of the Hy scale and associated MMPI signs. McGrath RE, et al. **J Clin Psychol** 1986 Sep;42(5):754–60
Causal attribution, perceived benefits, and morbidity after a heart attack: an 8-year study. Affleck G, et al. **J Consult Clin Psychol** 1987 Feb;55(1):29–35
Depression, pain, and pain behavior. Keefe FJ, et al. **J Consult Clin Psychol** 1986 Oct;54(5):665–9
Correlates of psychosocial adjustment among young adults with cystic fibrosis. Moise JR, et al. **J Dev Behav Pediatr** 1987 Jun;8(3):141–8
Introspectiveness and adolescent symptom reporting. Hansell S, et al. **J Human Stress** 1985 Winter;11(4):165–76
Coping as an index of illness behavior in panic disorder. Vitaliano PP, et al. **J Nerv Ment Dis** 1987 Feb;175(2):78–84
Observation, history, and physical examination in diagnosis of serious illnesses in febrile children less than or equal to 24 months. McCarthy PL, et al. **J Pediatr** 1987 Jan; 110(1):26–30
Life stress and diabetic control in children and adolescents with insulin-dependent diabetes. Brand AH, et al. **J Pediatr Psychol** 1986 Dec;11(4):481–95
Adaptation to diabetes: behavior symptoms and family context. Wertlieb D, et al. **J Pediatr Psychol** 1986 Dec; 11(4):463–79
Control-related coping strategies in pediatric oncology patients. Worchel FF, et al. **J Pediatr Psychol** 1987 Mar; 12(1):25–38
Appraisals of control and predictability in adapting to a chronic disease. Affleck G, et al. **J Pers Soc Psychol** 1987 Aug;53(2):273–9
Self-blame, compliance, and distress among burn patients. Kiecolt-Glaser JK, et al. **J Pers Soc Psychol** 1987 Jul; 53(1):187–93
Response to symptoms in healthy, low utilizers of the health care system. Egan KJ, et al. **J Psychosom Res** 1987; 31(1):11–21
Degree of life-threat and differential use of coping modes. Feifel H, et al. **J Psychosom Res** 1987;31(1):91–9
Impact of chronic pain on the spouse: marital, emotional and physical consequences. Flor H, et al. **J Psychosom Res** 1987;31(1):63–71
Illness behavior as a predictor of pain and overt behavior patterns in chronic low back pain patients. Keefe FJ, et al. **J Psychosom Res** 1986;30(5):543–51
Determinants of beliefs about illness: a study of parents of children with diabetes, asthma, epilepsy, and no chronic illness. Marteau TM, et al. **J Psychosom Res** 1986; 30(6):673–83
Illness behaviour and general practice utilisation: a prospective study. Pilowsky I, et al. **J Psychosom Res** 1987; 31(2):177–83
Family health culture, ethnicity, and asthma: coping with illness. Guarnaccia PJ, et al. **Med Anthropol** 1985 Summer; 9(3):203–24
Coping among the non-institutionalised ill elderly. Thambypillai V. **Med J Malaysia** 1986 Jun;41(2):116–22
A patient's perspective on schizophrenia. Leete E. **New Dir Ment Health Serv** 1987 Summer;(34):81–90
Psychometric construction and validity of the Pilowsky Illness Behaviour Questionnaire in British patients with chronic low back pain. Main CJ, et al. **Pain** 1987 Jan; 28(1):13–25
Emotional impact of multiple sclerosis: recent findings and suggestions for future research. Devins GM, et al. **Psychol Bull** 1987 May;101(3):363–75
Role of prior illness, stress, and personality in predicting illness. Elliott GW, et al. **Psychol Rep** 1987 Apr;60(2):582
Relation of depression to specific medical complaints in psychiatric inpatients. Wiener RL, et al. **Psychol Rep** 1987 Feb;60(1):147–52
Comparative severity of illness in patients with combined medical and psychiatric diagnoses. Dvoredsky AE, et al. **Psychosomatics** 1986 Sep;27(9):625–30
Abnormal illness behaviour (dysnosognosia). Pilowsky I. **Psychother Psychosom** 1986;46(1–2):76–84
Reported vague symptoms and at-risk status: the case of polyvinyl chloride workers in Louisville. Sands RG, et al. **Public Health Rep** 1987 Jul-Aug;102(4):438–44
Health problems and care in young families—load of illness and patterns of illness behaviour. Dahlquist G, et al. **Scand J Prim Health Care** 1987 May;5(2):79–86
A measure of the 'sick' label in psychiatric disorder and physical illness. Beiser M, et al. **Soc Sci Med** 1987; 25(3):251–61
Socio-demographic variation in perceived illness and the use of primary care: the value of community survey data for primary care service planning. Bucquet D, et al. **Soc Sci Med** 1986;23(7):737–44
Illness experience in a chronic disease—ALS. Cobb AK, et al. **Soc Sci Med** 1986;23(7):641–50
Bearing illness: study of couples where the husband awaits coronary graft surgery. Radley A, et al. **Soc Sci Med** 1986; 23(6):577–85
Illness negotiation: the case of eating disorders. Swartz L. **Soc Sci Med** 1987;24(7):613–8
Human behavior and malaria. Hongvivatana T. **Southeast Asian J Trop Med Public Health** 1986 Sep; 17(3):353–9
Psychological aspects of inflammatory bowel disease. Lask B. **Wien Klin Wochenschr** 1986 Aug 29;98(16):544–7
[A patient with many physical symptoms: what to do and what not to do?] van der Mast RC, et al. **Ned Tijdschr Geneeskd** 1987 Jul 4;131(27):1153–5 (Dut)
[Experiences with artificial nutrition at home from the viewpoint of a patient] Baczko M. **Beitr Infusionther Klin Ernahr** 1986;14:212–5 (Ger)
[Psychosocial aspects of AIDS] Becker S. **Hautarzt** 1987 Feb; 38(2):115–7 (Ger)
[Coping with illness in families of children with mucoviscidosis] Möllering M. **Klin Padiatr** 1986 Sep-Oct; 198(5):369–73 (Eng. Abstr.) (Ger)
[Psychosocial aspects of the treatment of phenylketonuria] Schweitzer S, et al. **Klin Padiatr** 1987 Mar-Apr;199(2):90–4 (Eng. Abstr.) (Ger)
[Psychologic adjustment in pediatric cardiologic interventions. Observations and recommendations] Sohni H, et al. **Klin Padiatr** 1987 Mar-Apr;199(2):80–5 (Eng. Abstr.) (Ger)
[The social environment and consequences in patients with posttraumatic osteomyelitis] Klemm K. **Langenbecks Arch Chir** 1986;369:717–9 (Eng. Abstr.) (Ger)

[Paradigm change in medicine. Principles of ecologic medicine] Begemann H. **Med Klin** 1986 Jan 31;81(2):64–8 (Ger)

[Disease as a fate of being ill?] Hartmann F. **Med Klin** 1987 Feb 13;82(3):119–26 (Ger)

[Social and psychological consequences of inflammatory joint diseases] Brattström M. **Orthopade** 1986 Aug;15(4):359–60 (Eng. Abstr.) (Ger)

[What does falling ill with leukemia or a malignant tumor mean to the child and his family?] Pichler E. **Padiatr Padol** 1987;22(1):1–11 (Ger)

[Multimodal assessment of life satisfaction: a study of patients with cardiovascular diseases] Fahrenberg J, et al. **Psychother Psychosom Med Psychol** 1986 Nov; 36(11):347–54 (Eng. Abstr.) (Ger)

[Diseases of the elderly] Heim E. **Psychother Psychosom Med Psychol** 1986 Nov;36(11):321–2 (Ger)

[Problems and coping with problems by tumor patients in inpatient after care] Herschbach P, et al. **Psychother Psychosom Med Psychol** 1987 Jun;37(6):185–92 (Eng. Abstr.) (Ger)

[Psychiatric crises situations within the scope of the acute hospital] Michel K. **Schweiz Arch Neurol Psychiatr** 1986; 137(6):41–50 (Eng. Abstr.) (Ger)

[Art therapy as a psychotherapeutic approach in cancer patients. On the characteristics of its language—problems regarding indications] Burkhardt-Murbach R. **Schweiz Rundsch Med Prax** 1987 Jun 9;76(24):705–9 (Eng. Abstr.) (Ger)

[Emotional status in the decision process] Köhle K. **Verh Dtsch Ges Inn Med** 1986;92:452–4 (Ger)

[The "Medical-Psychologic Questionnaire for Heart Patients": a study of the assessment of the validity of a study instrument for psychological health of patients following myocardial infarct] Eder A, et al. **Wien Med Wochenschr** 1987 Jun 15;137(10–11):231–4 (Eng. Abstr.) (Ger)

[Behavioral medicine aspects of juvenile diabetes] Roth R. **Wien Med Wochenschr** 1986 Oct 31;136(19–20):522–4 (Eng. Abstr.) (Ger)

[Strategies of behavioral medicine in physically severely ill patients] Wisiak UV. **Wien Med Wochenschr** 1986 Oct 31; 136(19–20):516–8 (Eng. Abstr.) (Ger)

[Psychosocial sequelae of cancer in childhood and adolescence: retro- and prospective studies] Petermann F. **Z Klin Psychol Psychopathol Psychother** 1987;35(1):16–25 (Ger)

[Disease and truth. On the dialectic between body and soul] Wyss D. **Z Klin Psychol Psychopathol Psychother** 1986; 34(4):368–75 (Ger)

[Myocardial infarct (I). A psychosocial illness event] Glatzel H. **Z Psychosom Med Psychoanal** 1987;33(3):252–65 (Eng. Abstr.) (Ger)

SICK SINUS SYNDROME

Sick sinus syndrome [letter] Phibbs B. **J Am Coll Cardiol** 1986 Nov;8(5):1243–4

[The bradycardia-tachycardia syndrome] Pella J, et al. **Vnitr Lek** 1986 Dec;32(12):1197–202 (Eng. Abstr.) (Slo)

BLOOD

Atrial natriuretic peptide with artificial pacemakers. Nakaoka H, et al. **Am J Cardiol** 1987 Aug 1;60(4):384–5

CHEMICALLY INDUCED

Sick sinus syndrome aggravated by carbamazepine therapy for epilepsy. Hewetson KA, et al. **Postgrad Med J** 1986 Jun;62(728):497–8

COMPLICATIONS

[Gynecological operations with artificial cardiac pacing: report of 2 cases] Xu ZB. **Chung Hua Fu Chan Ko Tsa Chih** 1987 Jan;22(1):22–3, 62 (Eng. Abstr.) (Chi)

[A case of malignant lymphoma of the heart with sick sinus syndrome and superior vena cava syndrome] Yano M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Feb;35(2):213–7 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Value of pre-operative carotid sinus massage. McConachie I. **Anaesthesia** 1987 Jun;42(6):636–8

Indications for electrophysiologic testing in the diagnosis and assessment of sinus node dysfunction. Benditt DG, et al. **Circulation** 1987 Apr;75(4 Pt 2):II193–102 (53 ref.)

Sinus node disease in chronic bundle branch block. Senior R, et al. **Indian Heart J** 1986 May–Jun;38(3):222–5

Exercise testing in the diagnosis of sick sinus syndrome in the elderly: implications for treatment. Johnston FA, et al. **PACE** 1987 Jul;10(4 Pt 1):831–8

[Contribution of 12-hour ambulatory electrocardiography in the diagnosis of sick sinus syndrome. Comparison with invasive examining methods] Hes I, et al. **Vnitr Lek** 1986 May;32(5):420–9 (Eng. Abstr.) (Cze)

[Presentation of a case of idiopathic sick sinus syndrome in childhood] Fiorilli R, et al. **Minerva Cardioangiol** 1986 Nov; 34(11):725–8 (Eng. Abstr.) (Ita)

[Rapid atrial stimulation test after pharmacologic blockade of the autonomic nervous system in symptomatic and asymptomatic sick sinus syndrome] Piwowarska W, et al. **Kardiol Pol** 1986;29(11–12):756–60 (Eng. Abstr.) (Pol)

[Evaluation of the rapid atrial stimulation test after pharmacologic blockade with propranolol and atropine] Piwowarska W, et al. **Kardiol Pol** 1986;29(11–12):761–70 (Eng. Abstr.) (Pol)

[Effect of atropine on the automatism of the sinus node] Piwowarska W. **Kardiol Pol** 1986;29(11–12):747–55 (Eng. Abstr.) (Pol)

DRUG THERAPY

Pindolol therapy for bradycardia/tachycardia syndrome. Schamp DJ, et al. **Can J Cardiol** 1987 Jun–Aug;3(5):212–4

Effect of amiodarone on sinus node function in patients with sick sinus syndrome. Hoffmann A, et al. **Clin Cardiol** 1987 Aug;10(8):451–2

Electrophysiological effects of mexiletine in patients of sinus node dysfunction and intraventricular conduction defects. Gambhir DS, et al. **Indian Heart J** 1986 May–Jun; 38(3):173–8

[A survey of traditional Chinese medicine in the sick sinus syndrome] Han MX. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Jun;6(6):376–9 (34 ref.) (Chi)

[Evaluation of the immediate response and short-term effect in using nicotinamide in treating sick sinus syndrome] Jian ZF. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):203–6 (Chi)

[Clinical study on the efficacy of drug therapy in sick sinus node syndrome] Vintilă M, et al. **Rev Med Interna [Med Interna]** 1987 Mar–Apr;39(2):151–6 (Rum)

ETIOLOGY

Electrophysiological studies in thyrotoxicosis with and without associated sick sinus syndrome. Talwar KK, et al. **Clin Cardiol** 1987 Apr;10(4):249–54

The natural history of sick sinus syndrome. Sutton R, et al. **PACE** 1986 Nov;9(6 Pt 2):1110–4 (56 ref.)

Sinus node dysfunction occurring immediately after pericardiocentesis. Cotoi S, et al. **Physiologie** 1987 Jan–Mar;24(1):63–8

[The syndrome of inappropriate secretion of antidiuretic hormone caused by pituitary adenoma presenting sick sinus syndrome: a case report] Hasegawa K, et al. **Kokyu To Junkan** 1987 Apr;35(4):441–5 (Eng. Abstr.) (Jpn)

[Sick sinus syndrome in malignant lymphoma involving the heart] Ishibashi S, et al. **Nippon Naika Gakkai Zasshi** 1987 Jan;76(1):100–5 (Jpn)

[Sinus node dysfunction and acute myocardial infarction. Experience with 298 patients] Corbalán R, et al. **Rev Med Chil** 1986 Aug;114(8):737–41 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Antibodies to human sinus node in sick sinus syndrome. Maisch B, et al. **PACE** 1986 Nov;9(6 Pt 2):1101–9

PHYSIOPATHOLOGY

The human sinus nodal electrogram: techniques and clinical results of intra-atrial recordings in patients with and without sick sinus syndrome. Bethge C, et al. **Am Heart J** 1986 Nov;112(5):1074–82

Electrophysiologic mechanisms: sinus node dysfunction. Yee R, et al. **Circulation** 1987 Apr;75(4 Pt 2):III12–8 (56 ref.)

Electrophysiologic effects of ethmozin on sinus node function in patients with and without sinus node dysfunction. Shugushev KKh, et al. **Clin Cardiol** 1986 Sep;9(9):443–8

Deep inspiration induced sinus arrest. An unusual manifestation in a patient with the sick sinus syndrome. Strasberg B, et al. **J Electrocardiol** 1986 Jan;19(1):91–2

[Experimental studies on sick sinus syndrome: relation between electrophysiologic parameters and pathologic changes] Ge YZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):193–7, 253 (Eng. Abstr.) (Chi)

[The electrogram of the sinuatrial node and the measurement of SACT] Zhang DL, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):201–2 (Chi)

[Estimating sinus node function by measuring the effective refractory period of the sinus node] Zheng C. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):198–200, 253 (Eng. Abstr.) (Chi)

[Evaluation of the atrial contribution to ventricular filling in patients with DDD pacemakers] Iwase M, et al. **J Cardiogr** 1985 Dec;15(4):1225–36 (Eng. Abstr.) (Jpn)

[Electrophysiologic evaluation of the etiology of sick sinus syndrome—characteristics in aged patients] Kurusu T, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1219–27 (Jpn)

[Effect of cimetidine on the automatism of the sinoatrial node and atrioventricular conduction in persons with sick sinus syndrome] Ciemniewski Z, et al. **Kardiol Pol** 1986; 29(4):280–4 (Eng. Abstr.) (Pol)

[Electrophysiologic studies of the heart conduction system of patients with the paroxysmal form of atrial fibrillation and the sick sinus syndrome] Gir LB, et al. **Vrach Delo** 1987 Jun;(6):60–2 (Eng. Abstr.) (Rus)

[Physical work capacity in different clinical forms of the sick sinus syndrome] Klemenkov SV, et al. **Vrach Delo** 1987 Feb;(2):87–91 (Eng. Abstr.) (Rus)

THERAPY

Ventricular pacing in sick sinus syndrome—a long term follow-up. Maity AK, et al. **Indian Heart J** 1986 May–Jun; 38(3):188–91

Sinus node dysfunction in young adults: clinico-electrophysiologic characteristics and results of permanent pacing. Sethi KK, et al. **Indian Heart J** 1986 Sep–Oct;38(5):397–400

Contemporary cardiac pacing [clinical conference] **J Tenn Med Assoc** 1986 Aug;79(8):481–90

Long-term management of bradyarrhythmias following open heart surgery: surgical A–V block and sick sinus syndrome after surgery for secundum atrial septal defects treated with permanent cardiac pacing. Ohnishi S, et al. **Jpn Circ J** 1986 Sep;50(9):903–17

Orthodromic pacemaker circus movement tachycardia. den Heijer P, et al. **PACE** 1987 Jul;10(4 Pt 1):955–7

Ease of insertion of exposed helical coil tip and tined silicone leads through single cephalic vein. Goren CC. **PACE** 1987 Jul;10(4 Pt 1):949–50

Limitations of the long-term clinical application of rate hysteresis. Hollins WJ, et al. **PACE** 1987 Mar;10(2):302–4

What is the most appropriate stimulation mode in patients with sinus node dysfunction? Markewitz A, et al. **PACE** 1986 Nov;9(6 Pt 2):1115–20

Is chronic atrial stimulation a reliable method for single chamber pacing in sick sinus syndrome? Mast EG, et al. **PACE** 1986 Nov;9(6 Pt 2):1127–30

SICKLE CELL TRAIT see under **ANEMIA, SICKLE CELL**

SID see **SUDDEN INFANT DEATH**

SIDEROPHILIN see **TRANSFERRIN**

SIDEROSIS

see related
HEMOSIDEROSIS

COMPLICATIONS

[Bronchocytologic examination of siderosilicosis patients] Krivonos AP. **Vrach Delo** 1987 May;(5):102–4 (Eng. Abstr.) (Rus)

DIAGNOSIS

High-field spin-echo MR imaging of superficial and subependymal siderosis secondary to neonatal intraventricular hemorrhage. Gomori JM, et al. **Neuroradiology** 1987;29(4):339–42

[Functional significance of lung siderosis in electrode welders] Schneider WD, et al. **Z Gesamte Inn Med** 1987 Mar 1;42(5):126–30 (Eng. Abstr.) (Ger)

[Tuberculin tests in the diagnosis of siderosilicotuberculosis] Afonin AP, et al. **Vrach Delo** 1987 Jul;(7):88–9 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Effect of levamisole on the immunologic reactivity and efficacy of treatment of patients with siderosilicotuberculosis] Afonin AP, et al. **Vrach Delo** 1987 Jan;(1):110–2 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Experimental studies of the electric activity of the retina in ocular siderosis caused by an orbital foreign body] Gerkowicz K, et al. **Klin Oczna** 1986 Jun;88(6):192–3 (Eng. Abstr.) (Pol)

SIGA see **IGA, SECRETORY**

SIGMA FACTOR see under **TRANSCRIPTION FACTORS**

SIGMODON see **CRICETIDAE**

SIGMOID

Carcinoma of the sigmoid colon secondary to a foreign body. Melville DM, et al. **Br J Surg** 1987 May;74(5):389

[Severe obstructive ileus caused by a linseed bezoar. Case report with critical comment on the use of dietary fiber] Hardt M, et al. **Med Klin** 1986 Jul 18;81(15–16):541–3 (Ger)

ABNORMALITIES

[Congenital defect of the sigmoid mesentery as a cause of the development of early postoperative obstruction of the large intestine] Baramiia NN, et al. **Klin Khir** 1987;(4):63 (Rus)

BLOOD SUPPLY

[Variant of revascularization of the sigmoid colon] Andrianov AV. **Khirurgiia (Mosk)** 1987 May;(5):147 (Rus)

DRUG EFFECTS

[Effect of pirenzepine on sigmoid motility (letter)] Imhof M, et al. **Dtsch Med Wochenschr** 1987 Feb 27;112(9):366–7 **(Ger)**

[Effect of pirenzepine on sigmoid motility (letter)] Jaup BH. **Dtsch Med Wochenschr** 1987 Jul 10;112(28–29):1150 **(Ger)**

INJURIES

Perforation of the sigmoid colon by an intrauterine contraceptive device. Hays D, et al. **Contraception** 1986 Oct;34(4):413–6

[Casuistic ruptures of the rectosigmoid with small intestine evisceration through the anus] Mikhallov M, et al. **Khirurgiia (Sofiia)** 1986;39(4):62 **(Bul)**

METABOLISM

Human chorionic gonadotropin in the rectosigmoid colon. Immunohistochemical study on unbalanced distribution of subunits. Fukayama M, et al. **Am J Pathol** 1987 Apr; 127(1):83–9

Sigmoid intramural pH for prediction of ischemic colitis during aortic surgery. A comparison with risk factors and inferior mesenteric artery stump pressures. Schiedler MG, et al. **Arch Surg** 1987 Aug;122(8):881–6

Ion transport in human cecum, transverse colon, and sigmoid colon in vitro. Baseline and response to electrical stimulation of intrinsic nerves. Hubel KA, et al. **Gastroenterology** 1987 Feb;92(2):501–7

PATHOLOGY

The histopathology of rectosigmoid biopsies from adults with bloody diarrhea due to verotoxin-producing Escherichia coli. Kelly JK, et al. **Am J Clin Pathol** 1987 Jul;88(1):78–82

[Multiple perforations of the large intestine] Pugachev AD, et al. **Klin Khir** 1987;(2):48 **(Rus)**

PHYSIOLOGY

Myoelectrical activity and intraluminal flow in human sigmoid colon. Schang JC, et al. **Dig Dis Sci** 1986 Dec; 31(12):1331–7

RADIATION EFFECTS

Surgical treatment of radiation injury to the rectosigmoid. Harling H, et al. **Acta Chir Scand** 1986 Nov;152:691–3

SURGERY

Major or local surgery for cure in early rectal and sigmoid carcinoma—a prospective evaluation. Balslev I, et al. **Eur J Surg Oncol** 1986 Dec;12(4):373–7

Benign colonic neoplasm at the site of ureterosigmoidostomy. Qvist N, et al. **Eur Urol** 1986;12(5):360–1

Bladder replacement after cystoprostatectomy: efforts to achieve total continence. Reddy PK, et al. **J Urol** 1987 Sep;138(3):495–9

Sigmoidocystoplasty after total cystectomy for bladder cancer: a follow-up study. Ueda T, et al. **Jpn J Surg** 1986 Sep;16(5):351–6

Bladder replacement with sigmoid colon after radical cystoprostatectomy. Reddy PK, et al. **Urology** 1987 Apr; 29(4):368–71

[Complications and sequelae in the endoscopic follow-up of uretero-sigmoidostomies] Barrou B, et al. **Ann Urol (Paris)** 1987;21(2):138–40 (Eng. Abstr.) **(Fre)**

[Prevention of anuria in uretero-sigmoidostomy without catheter] Mouquet C, et al. **Ann Urol (Paris)** 1987; 21(2):135–7 (Eng. Abstr.) **(Fre)**

[Ureterosigmoidostomy with antireflux in children. Apropos of a short series] Charbit L, et al. **J Urol (Paris)** 1987; 93(3):129–30 (Eng. Abstr.) **(Fre)**

[Severe hypopotassemia 50 years after bilateral ureterosigmoidostomy intervention. Clinical and physiopathologic considerations] Pingi C, et al. **Recenti Prog Med** 1986 Dec;77(12):561–4 (Eng. Abstr.) **(Ita)**

[Reimplantation of the uretero-sigmoidostomy in stenosis of the anastomosis: analysis of 6 cases] Fiorentini L, et al. **Arch Esp Urol** 1986 Jul–Aug;39(6):393–7 (Eng. Abstr.) **(Spa)**

[Trans-sigmoid urinary diversion and cancer: experimental study] Núñez Núñez R, et al. **Arch Esp Urol** 1987 Jan–Feb; 40(1):3–6 **(Spa)**

TRANSPLANTATION

Continent urinary diversion using a sigmoid reservoir. Pontes JE. **Urology** 1987 Jun;29(6):629–31

Detubularized sigmoid reservoir for bladder replacement after cystoprostatectomy. Preliminary report of new configuration. Reddy PK. **Urology** 1987 Jun;29(6):625–8

SIGMOID DISEASES

[Simultaneous occurrence of sigmoid diverticulosis and tumor: differential diagnostic problems] Köves I, et al. **Orv Hetil** 1987 Aug 9;128(32):1667–9 (Eng. Abstr.) **(Hun)**

[Multiple perforating stress ulcers after surgery for acute intestinal obstruction] Shapiro IaL, et al. **Klin Khir** 1987; (2):42–3 **(Rus)**

COMPLICATIONS

Subcutaneous emphysema caused by perforating perisigmoiditis. Bloch AV, et al. **Acta Chir Scand** 1986 Aug–Sep;152:555–6

Sigmoid volvulus in association with Crohn's disease of the colon. Payne-James JJ. **Br J Surg** 1986 Dec;73(12):1005

Sigmoid volvulus in acromegaly. McFadden JP, et al. **Can Med Assoc J** 1987 May 15;136(10):1060

Sigmoid volvulus in association with parkinsonism. Report of four cases. Rosenthal MJ, et al. **J Am Geriatr Soc** 1987 Jul;35(7):683–4

Sigmoidovesicular fistula in a hemophiliac with diverticular disease. Parker S, et al. **J Clin Gastroenterol** 1986 Aug; 8(4):461–5

Necrotising fasciitis secondary to a strangulated femoral hernia containing a perforated sigmoid diverticulum. Conn IG, et al. **J R Coll Surg Edinb** 1986 Jun;31(3):191–2

Sigmoid perforation with evisceration of loop of ileum through the anus. Sellu DP. **J R Coll Surg Edinb** 1987 Apr;32(2):119

Small intestinal complications of diverticulitis of the sigmoid colon. Frager D, et al. **JAMA** 1986 Dec 19;256(23):3258–61

CONGENITAL

Congenital diverticula of the sigmoid colon. Andricopoulos PC, et al. **J R Coll Surg Edinb** 1986 Aug;31(4):249–50

DIAGNOSIS

Persistent appendiceal–sigmoid fistula. Dent TL, et al. **Arch Surg** 1968 Feb;96(2):309–11

[Differential diagnosis of a hemorrhagic-necrotizing epiploic appendix] Ervig K, et al. **Dtsch Med Wochenschr** 1987 May 15;112(20):805–6 (Eng. Abstr.) **(Ger)**

[Actinomycosis of the sigmoid colon—a case report and review of the literature] Sekine T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Jun;83(6):1199–203 (23 ref.) **(Jpn)**

[Sigmoidovaginal fistula. Report of 3 cases] Safatle NF, et al. **Rev Paul Med** 1986 Jul–Aug;104(4):221–3 (Eng. Abstr.) **(Por)**

[Torsion of the sigmoid colon] Mamedov IM, et al. **Klin Khir** 1987;(2):50–1 **(Rus)**

[Use of rectoromanoscopy in polyclinics] Kharaberiush VA, et al. **Vrach Delo** 1987 Feb;(2):55–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Colonic obstruction as the first manifestation of ovarian carcinoma. Feller E, et al. **Am J Gastroenterol** 1987 Jan; 82(1):25–8

Sigmoid perforation in patients with chronic constipation. Avinoah E, et al. **J Clin Gastroenterol** 1987 Feb;9(1):62–4

[Extramural obstruction of the sigmoid by the postpartum uterus after cesarean section] Grossmannová H, et al. **Cesk Gynekol** 1987 Apr;52(3):212–4 **(Cze)**

[A case of vesicosigmoidal fistula secondary to diverticulitis of the colon] Komeda H, et al. **Hinyokika Kiyo** 1987 Apr; 33(4):600–4 (Eng. Abstr.) **(Jpn)**

[Invagination of the sigmoid caused by a tumor] Andrianov AV. **Khirurgiia (Mosk)** 1987 Apr;(4):131 **(Rus)**

[Retrovesical hydatic cyst with spontaneous fistulization to the sigmoid] Burgos FJ, et al. **Actas Urol Esp** 1986 Sep–Oct; 10(5):367–70 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Sigmoiditis with lower rectal and perirectal development] Dubois F, et al. **Presse Med** 1987 Feb 7;16(4):163, 166 (Eng. Abstr.) **(Fre)**

[Sigmoid volvulus associated with volvulus of the small intestine. Apropos of 2 cases and a review of the literature] Dziri C, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):625–9 (6 ref.) (Eng. Abstr.) **(Fre)**

[Multiple perforations of the large intestine] Pugachev AD, et al. **Klin Khir** 1987;(2):48 **(Rus)**

RADIOGRAPHY

The radiological findings in torsion of an appendix epiploica. Jennings CM, et al. **Br J Radiol** 1987 May;60(713):508–9

CT appearance of giant colonic diverticulum. Fields SI, et al. **Gastrointest Radiol** 1987;12(1):71–2

CT demonstration of a giant colonic diverticulum. Smith TR, et al. **Gastrointest Radiol** 1987;12(1):73–5

An unusual volvulus—the ileosigmoid knot. Johnson CD. **Postgrad Med J** 1986 Jan;62(723):47–9

[Volvulus of the cecum and sigmoid] Van Daele G, et al. **Acta Chir Belg** 1987 May–Jun;87(3):158–62 (Eng. Abstr.) **(Dut)**

[A perineal fistula of unusual origin] Boumghar M. **Schweiz Rundsch Med Prax** 1986 Sep 2;75(36):1056–9 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Indium-111 leukocyte scan in the diagnosis of inflammatory bowel disease. Diba AA. **Wis Med J** 1986 Oct;85(10):31–2

SURGERY

Sigmoid volvulus at Kitale District Hospital: preliminary results. Nyarango PM. **East Afr Med J** 1986 Nov; 63(11):742–8

Colonic varices as a complication of colonic surgery. Arbona JL, et al. **Gastrointest Radiol** 1987;12(4):350–2

Primary resection and anastomosis for volvulus of sigmoid colon. Mishra SB, et al. **J Indian Med Assoc** 1986 Sep; 84(9):265–8

The Hartmann procedure: its role in acute complicated diverticulitis. Mallonga ET, et al. **Neth J Surg** 1986 Dec; 38(6):171–4

Sigmoid diverticular abscesses: percutaneous drainage as an adjunct to surgical resection in 24 cases. Mueller PR, et al. **Radiology** 1987 Aug;164(2):321–5

Volvulus of sigmoid colon [letter] De Wind CM. **Trop Doct** 1986 Jan;16(1):37

[Hartmann incontinuity resection in emergency treatment of perforated sigmoid diverticulitis] Rieger R, et al. **Zentralbl Chir** 1987;112(6):365–72 (Eng. Abstr.) **(Ger)**

[One-stage resection of the sigmoid colon in torsion] Svistoniuk IU, et al. **Klin Khir** 1987;(2):24–5 (Eng. Abstr.) **(Rus)**

THERAPY

Acute volvulus of the sigmoid colon. Welch GH, et al. **World J Surg** 1987 Apr;11(2):258–62

SIGMOID NEOPLASMS

Giant localized pseudopolyp of the colon without colonic inflammatory disease—case report. Tan KH, et al. **Neth J Surg** 1987 Jun;39(3):95–7

[Bone metastases of colorectal cancers. Apropos of the disclosure of sigmoid adenocarcinoma by a huge pseudosarcomatous iliopubic metastasis (letter)] Husson JL, et al. **J Chir (Paris)** 1986 Dec;123(12):749–50 **(Fre)**

[Association, in the same patient, of benign hepatic duct adenoma, thyroid adenocarcinoma and colonic adenocarcinoma (letter)] Giovannini M, et al. **Presse Med** 1987 Aug 29–Sep 5;16(28):1372 **(Fre)**

[Aberrant pancreas] Rivetti R, et al. **Minerva Chir** 1986 Nov 15;41(21):1865–9 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Paraneoplastic tonic pupils. Maitland CG, et al. **J Clin Neuro Ophthalmol** 1985 Jun;5(2):99–104

[Endometriosis causing intestinal stenosis] Jensen M. **Ugeskr Laeger** 1986 Oct 20;148(43):2770 (Eng. Abstr.) **(Dan)**

[Simultaneous occurrence of sigmoid diverticulosis and tumor: differential diagnostic problems] Köves I, et al. **Orv Hetil** 1987 Aug 9;128(32):1667–9 (Eng. Abstr.) **(Hun)**

[Pulmonary embolism caused by neoplastic tissue (case report)] Filipecki S, et al. **Pneumonol Pol** 1987 Jan; 55(1):34–7 (Eng. Abstr.) **(Pol)**

[Renal oncocytoma. Presentation of a case associated with carcinoma of the colon] Quiñonero Díaz A, et al. **Actas Urol Esp** 1987 Jan–Feb;11(1):87–92 (Eng. Abstr.) **(Spa)**

[Adenocarcinoma of the sigmoid colon and hypernephroma: a rare association (letter)] Lozano Molero M, et al. **Med Clin (Barc)** 1987 Jun 20;89(4):170–1 **(Spa)**

DIAGNOSIS

Symptomatic endosalpingosis in a postmenopausal woman. Onybeke W, et al. **Am J Obstet Gynecol** 1987 Apr; 156(4):924–6

Contribution of modern imaging in rectosigmoid neoplastic disease (comparison with fiberoptic endoscopy). Grellet J, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov; 22(6):305–15 **(Eng, Fre)**

Diagnostic accuracy of double-contrast enema and rectosigmoidoscopy in connection with faecal occult blood testing for the detection of rectosigmoid neoplasms. Jensen J, et al. **Br J Surg** 1986 Dec;73(12):961–4

Variation in recognition of recurrent colonic cancer by different CEA assays. O'Dwyer PJ, et al. **Dis Colon Rectum** 1987 Feb;30(2):133–6

[Lipoma of the large intestine in the form of a polyp diagnosed fiber-endoscopically] Bakalov V, et al. **Khirurgiia (Sofiia)** 1986;39(4):59–61 **(Bul)**

[Leser–Trélat sign in adenocarcinoma of the sigmoid colon—a rare clinical picture] Hodak E, et al. **Z Hautkr** 1987 Jun 1;62(11):875–6 (Eng. Abstr.) **(Ger)**

[Endometriosis of the sigmoid. Study of a case] Calvisi G, et al. **Minerva Chir** 1986 Sep 30;41(17–18):1521–4 (Eng. Abstr.) **(Ita)**

[Complicated diverticular disease as inflammatory tumor of the sigmoid. Problems of differential diagnosis with cancer] Ceraudo E, et al. **Minerva Chir** 1986 Aug 31; 41(15–16):1321–7 (Eng. Abstr.) **(Ita)**

[Diagnostic value of combined endoscopic examination of the stomach and small intestine] Kirillov VA, et al. **Voen Med Zh** 1987 Apr;(4):43–5 **(Rus)**

DRUG THERAPY

Endoscopic transduodenal removal of an hepatic artery infusion catheter. Weese JL, et al. **Gastrointest Endosc** 1987 Jun;33(3):246–7

[Microangiopathic hemolytic anemia (MAHA) observed after administration of mitomycin C (MMC)] Yasunaga C, et al. **Gan No Rinsho** 1987 Jun;33(7):854–60 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Carcinoma of the sigmoid colon secondary to a foreign body. Melville DM, et al. **Br J Surg** 1987 May;74(5):389

Occurrence of adenocarcinoma in the colon sigmoideum following Maydl's operation for urinary bladder exstrophy. Zvara V, et al. **Czech Med** 1986;9(3):117–23

Urinary carcinogen [nitrosamine] production in a rat animal model for ureterosigmoidostomy. Cohen MS, et al. **J Urol** 1987 Aug;138(2):449–52

[Trans-sigmoid urinary diversion and cancer: experimental study] Núñez Núñez R, et al. **Arch Esp Urol** 1987 Jan–Feb; 40(1):3–6 **(Spa)**

FAMILIAL & GENETIC

Inversion (16)(p13q22) in tumor cells of sigmoid colon. Shabtai F, et al. **Cancer Genet Cytogenet** 1987 Jul; 27(1):171–5

METABOLISM

Human chorionic gonadotropin in the rectosigmoid colon. Immunohistochemical study on unbalanced distribution of subunits. Fukayama M, et al. **Am J Pathol** 1987 Apr; 127(1):83–9

OCCURRENCE

Epidemiology of polyps in the rectum and sigmoid colon. Discriminant analysis for identification of individuals at risk of developing colorectal neoplasia. Hoff G, et al. **Scand J Gastroenterol** 1986 Sep;21(7):848–52

PATHOLOGY

Endometriosis of the sigmoid colon and rectum. Eyers T, et al. **Aust NZ J Surg** 1978 Dec;48(6):639–43

Carcinoma in Crohn's disease of the colon. Allen DC, et al. **Dis Colon Rectum** 1986 Nov;29(11):760–5

Rightward shift of colon cancer. A feature of the aging gut. Schub R, et al. **J Clin Gastroenterol** 1986 Dec;8(6):630–4

Adenomatous polyp of the sigmoid colon with focal squamous metaplasia. Nirodi NS, et al. **J R Coll Surg Edinb** 1986 Dec;31(6):379–81

Hamartoma of the bladder in a 4-year-old girl with hamartomatous polyps of the gastrointestinal tract. Keating MA, et al. **J Urol** 1987 Aug;138(2):366–9

[Mesocolonic liposclerosis: isolated lesion of the mesocolon?] Gugenheim J, et al. **Ann Chir** 1986 Jun;40(5):329–32 (Eng. Abstr.) **(Fre)**

[2 cases of digestive system endometriosis] Hoyez A, et al. **Rev Med Brux** 1986 Sep;7(7):407–11 (Eng. Abstr.) **(Fre)**

[Clinicopathological study of colorectal cancer in young adults including a case of cancer family syndrome] Ochi T, et al. **Gan No Rinsho** 1987 Apr;33(4):386–91 (Eng. Abstr.) **(Jpn)**

[Clinical aspects of cytological diagnosis of adenomas of the rectum and sigmoid] Maksimova LV, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):69–72 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Giant pseudopolyposis in Crohn's disease with computed tomography correlation. Foderaro AE, et al. **J Comput Tomogr** 1987 Jul;11(3):288–90

[Radiological diagnosis of metastatic cancer of the rectum and sigmoid colon via direct invasion and peritoneal implantation] Zhang TL. **Chung Hua Fang She Hsueh Tsa Chih** 1986 Dec;20(6):353–5 (Eng. Abstr.) **(Chi)**

[Role of computerized tomography in the study of endometriosis] Gurret JP, et al. **J Belge Radiol** 1986; 69(4):231–5 (Eng. Abstr.) **(Fre)**

[Significance of the colon contrast enema in evaluating the importance of rectosigmoid polyps] Gross-Fengels W, et al. **Rontgenblatter** 1986 Sep;39(9):245–50 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Immunoscintigraphy in the follow-up of patients operated on for carcinoma of the sigmoid and rectum. Preliminary report with a new monoclonal antibody: B72.3. Renda A, et al. **Dis Colon Rectum** 1987 Sep;30(9):683–6

RADIOTHERAPY

Postoperative pelvic irradiation [letter] Greene BD. **Dis Colon Rectum** 1986 Nov;29(11):780–1

Symptomatic recurrences of carcinoma of the rectum and sigmoid. The influence of radiotherapy on the quality of life. Pacini P, et al. **Dis Colon Rectum** 1986 Dec; 29(12):865–8

Technique of postoperative pelvic radiation in the management of rectal and rectosigmoid carcinoma. Kumar PP, et al. **J Natl Med Assoc** 1987 Jun;79(6):609–15

Adjuvant irradiation after radical surgery of cancer of the rectum and rectosigmoid. Zucali R, et al. **Radiother Oncol** 1987 Jan;8(1):19–24

SECONDARY

[Metastasis of breast carcinoma to the intestinal tract and endometrium] Krug B, et al. **ROFO** 1986 Dec;145(6):732–4 **(Ger)**

SURGERY

A relationship between perioperative blood transfusion and recurrence of carcinoma of the sigmoid colon following potentially curative surgery. Creasy TS, et al. **Ann R Coll Surg Engl** 1987 May;69(3):100–3

Endoscopic treatment of inoperable colorectal cancers with the Nd YAG laser. Bown SG, et al. **Br J Surg** 1986 Dec; 73(12):949–52

Palliative treatment of rectosigmoid carcinoma by laser endoscopic photoablation. Brunetaud JM, et al. **Gastroenterology** 1987 Mar;92(3):663–8

Banding technique for hemostasis of post polypectomy bleeding. Robinson DL, et al. **Iowa Med** 1987 Mar; 77(3):117–8

The significance of incomplete resection and postoperative pelvic recurrence on the prognosis of rectosigmoid cancer. Good RR, et al. **J Natl Med Assoc** 1986 Sep;78(9):843–6

Local recurrence in adenocarcinoma of the rectosigmoid colon after curative surgical resection. Taylor OF, et al. **J Natl Med Assoc** 1986 Nov;78(11):1027–31

[Myocardial infarction during postoperative peridural analgesia with opiates] Ravat F, et al. **Ann Fr Anesth Reanim** 1987;6(3):207–8 (Eng. Abstr.) **(Fre)**

[Importance of a loco-regional follow-up after curative operation in cancer of the rectum or sigmoid] Mosnier H, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 Jan–Feb; 23(1):15–8 (Eng. Abstr.) **(Fre)**

[Palliative laser treatment in rectosigmoid cancer] Brunetaud JM, et al. **Gastroenterol Clin Biol** 1986 Oct;10(10):649–50 **(Fre)**

[Endometriosis localized in the sigmoid. Apropos of a case] Renaudie J, et al. **Rev Fr Gynecol Obstet** 1987 Mar; 82(3):209–12 (Eng. Abstr.) **(Fre)**

[Validity of enlarged resections in surgery of tumors of the rectosigmoid: our experience] Destito C, et al. **Chir Patol Sper** 1984 Oct;32(5):230–7 (Eng. Abstr.) **(Ita)**

[Synchronous triple primary malignant neoplasms in a 42-year-old female] Nakajima K, et al. **Gan No Rinsho** 1987 Jul;33(8):961–8 (Eng. Abstr.) **(Jpn)**

[Simultaneous surgical treatment of synchronous primary multiple tumors] Blokhina NG, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):118–9 **(Rus)**

[Favorable outcome of a surgical intervention in complicated sigmoid cancer] Pugachev AD, et al. **Vopr Onkol** 1987; 33(6):88 **(Rus)**

[Surgical therapy of cancer of the rectosigmoid, the rectum and anus] Vujičić N, et al. **Acta Chir Iugosl** 1985; 32(2):235–9 (Eng. Abstr.) **(Scr)**

THERAPY

Postoperative adjuvant radiotherapy for adenocarcinoma of the rectum and rectosigmoid. Vigliotti A, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):999–1006

SIGMOIDOSCOPY

Establishing a flexible sigmoidoscopy/colonoscopy program for surgical residents. The University of Illinois experience. Pearl RK, et al. **Am Surg** 1986 Nov;52(11):577–80

Contribution of modern imaging in rectosigmoid neoplastic disease (comparison with fiberoptic endoscopy). Grellet J, et al. **Ann Gastroenterol Hepatol (Paris)** 1986 Nov; 22(6):305–15 **(Eng, Fre)**

An evaluation of a direct access flexible fibreoptic sigmoidoscopy service. Vellacott KD, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):149–52

Screening before surgery for colon neoplasms with a flexible sigmoidoscope by surgical residents. Mullins RJ, et al. **Ann Surg** 1987 Jun;205(6):659–64

Sigmoidoscopy in children with chronic mucoid diarrhoea in rural St. Lucia. Venugopal S, et al. **Ann Trop Paediatr** 1987 Jun;7(2):104–8

The role of flexible sigmoidoscopy in the preoperative screening of patients with inguinal hernia. A high yield of neoplasms. Rubin BG, et al. **Arch Surg** 1987 Mar; 122(3):296–9

Sigmoidoscopy in Ibadan, Nigeria. A critical review. Atoba MA, et al. **Cent Afr J Med** 1986 Jul;32(7):163–5

The role of colonoscopy and flexible sigmoidoscopy in screening for colorectal carcinoma. Warden MJ, et al. **Dis Colon Rectum** 1987 Jan;30(1):52–4

Methods to encourage screening sigmoidoscopy examination [letter] Madlon-Kay DJ. **J Clin Gastroenterol** 1986 Dec; 8(6):701–2

Flexible sigmoidoscopy [letter] Davis LJ. **J Fam Pract** 1987 Jun;24(6):576

Feasibility of 105-cm flexible sigmoidoscopy in family practice. Dervin JV. **J Fam Pract** 1986 Oct;23(4):341–4

Screening for colorectal cancer [letter] Dervin JV. **J Fam Pract** 1987 Feb;24(2):208

Operative endoscopic decompression of colonic pseudo-obstruction. King HA, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):56–7

Flexible sigmoidoscopy in the primary care setting. Gardner HJ. **Primary Care** 1986 Sep;13(3):543–7

[Rectoromanoscopic findings during prophylactic examination of peptic ulcer patients] Mordvinkina TN, et al. **Vutr Boles** 1986;25(5):58–9 **(Bul)**

[Use of rectoromanoscopy in polyclinics] Kharaberiush VA, et al. **Vrach Delo** 1987 Feb;(2):55–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Cecal perforation following fiberoptic flexible sigmoidoscopy. Sandhu KS, et al. **Am J Med** 1987 Mar; 82(3):546–8

Bowel perforation complicating flexible sigmoidoscopy. Magill MK, et al. **J Fam Pract** 1986 Nov;23(5):481–2

EDUCATION

Multicenter evaluation of training of non-endoscopists in 30-cm flexible sigmoidoscopy. Weissman GS, et al. **CA** 1987 Jan–Feb;37(1):26–30

INSTRUMENTATION

Sigmoidoscopy with flexible electronic endoscopy: a preliminary experience in Hong Kong. Yip YL, et al. **Aust NZ J Surg** 1986 Nov;56(11):819–21

A sigmoidoscope to facilitate reanastomosis following a Hartmann procedure. Buchmann P, et al. **Dis Colon Rectum** 1987 Feb;30(2):145–6

A study of optimal length of flexible fiberoptic sigmoidoscopes for initial endoscopic training. Lehman GA, et al. **Dis Colon Rectum** 1986 Dec;29(12):878–81

Choice of instrument for flexible sigmoidoscopy [letter] Selby JV. **J Fam Pract** 1987 Mar;24(3):238–9

Don't be rigid about flexible sigmoidoscopy [letter] Taylor L, et al. **JAMA** 1987 Aug 21;258(7):911–2

Faulty disposable sigmoidoscopes [letter] Garvey JF, et al. **Med J Aust** 1987 Feb 16;146(4):230

The flexible sigmoidoscope as a potential vector of infectious disease, including suggestions for decontamination of the flexible sigmoidoscope. Aliberti LC. **Yale J Biol Med** 1987 Jan–Feb;60(1):19–26

METHODS

Argon laser treatment of hemorrhagic radiation proctitis. Buchi KN, et al. **Gastrointest Endosc** 1987 Feb;33(1):27–30

STANDARDS

Clinical competence in the use of flexible sigmoidoscopy for screening purposes. Health and Public Policy Committee. **Ann Intern Med** 1987 Oct;107(4):589–91

SIGN LANGUAGE see under **MANUAL COMMUNICATION**

SIGNAL INTERPRETATION, COMPUTER-ASSISTED see **DIAGNOSIS, COMPUTER ASSISTED**

SIGNAL PEPTIDES

Properties of signal-sequence peptides at an air-water interface. Fidelio GD, et al. **Biochem J** 1986 Aug 15; 238(1):301–4

Circular dichroism studies on synthetic peptides corresponding to the cleavage site region of precursor proteins. Reddy GL, et al. **Int J Pept Protein Res** 1987 Apr;29(4):497–503

ANALYSIS

The Ace locus of Drosophila melanogaster: structural gene for acetylcholinesterase with an unusual 5' leader. Hall LM, et al. **EMBO J** 1986 Nov;5(11):2949–54

Evidence for a signal peptide at the amino-terminal end of human mitochondrial aldehyde dehydrogenase. Braun T, et al. **FEBS Lett** 1987 May 11;215(2):233–6

BIOSYNTHESIS

Synthesis in vitro of a seven amino acid peptide encoded in the leader RNA of Rous sarcoma virus. Hackett PB, et al. **J Mol Biol** 1986 Jul 5;190(1):45–57

GENETICS

Molecular cloning of a gene for a member of carcinoembryonic antigen (CEA) gene family; signal peptide and N-terminal domain sequences of nonspecific crossreacting antigen (NCA). Oikawa S, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):464–9

The membrane-spanning segment of invariant chain (I gamma) contains a potentially cleavable signal sequence. Lipp J, et al. **Cell** 1986 Sep 26;46(7):1103–12

Recombinant forms of M13 procoat with an OmpA leader sequence or a large carboxy-terminal extension retain their independence of secY function. Kuhn A, et al. **EMBO J** 1987 Feb;6(2):501–5

Signal peptide amino acid sequences in Escherichia coli contain information related to final protein localization. A multivariate data analysis. Sjöström M, et al. **EMBO J** 1987 Mar;6(3):823–31

Signal sequence and DNA-mediated expression of human lysosomal alpha-galactosidase A. Tsuji S, et al. **Eur J Biochem** 1987 Jun 1;165(2):275–80

The azurin gene from Pseudomonas aeruginosa codes for a pre-protein with a signal peptide. Cloning and sequencing of the azurin gene. Canters GW. **FEBS Lett** 1987 Feb 9; 212(1):168–72

Secretion of Cellulomonas fimi exoglucanase by Escherichia coli. O'Neill GP, et al. **Gene** 1986;44(2-3):331–6

Characterization and in vivo cloning of prlC, a suppressor of signal sequence mutations in Escherichia coli K12. Trun

NJ, et al. **Genetics** 1987 Aug;116(4):513–21
Suppression of a signal sequence mutation by an amino acid substitution in the mature portion of the maltose-binding protein. Cover WH, et al. **J Bacteriol** 1987 May; 169(5):1794–800
Characterization of the promoter, signal sequence, and amino terminus of a secreted beta-galactosidase from "Streptomyces lividans"Eckhardt T, et al. **J Bacteriol** 1987 Sep;169(9):4249–56
Secretion of human serum albumin from Bacillus subtilis. Saunders CW, et al. **J Bacteriol** 1987 Jul;169(7):2917–25
Construction and use of signal sequence selection vectors in Escherichia coli and Bacillus subtilis. Smith H, et al. **J Bacteriol** 1987 Jul;169(7):3321–8
Use of the Bacillus subtilis subtilisin signal peptide for efficient secretion of TEM beta-lactamase during growth. Wong SL, et al. **J Bacteriol** 1986 Nov;168(2):1005–9
Wild type and mutant signal peptides of Escherichia coli outer membrane lipoprotein interact with equal efficiency with mammalian signal recognition particle. Garcia PD, et al. **J Biol Chem** 1987 Jul 15;262(20):9463–8
The differential effect on two hybrid proteins of deletion mutations within the hydrophobic region of the Escherichia coli OmpA signal peptide. Lehnhardt S, et al. **J Biol Chem** 1987 Feb 5;262(4):1716–9
Effects of prolipoprotein signal peptide mutations on secretion of hybrid prolipo-beta-lactamase in Escherichia coli. Luan CA, et al. **J Biol Chem** 1987 Jun 15; 262(17):8318–24
Demonstration of erythromycin-dependent stalling of ribosomes on the ermC leader transcript. Narayanan CS, et al. **J Biol Chem** 1987 Feb 5;262(4):1766–71
Biosynthesis of human insulin-like growth factor I (IGF-I). The primary translation product of IGF-I mRNA contains an unusual 48-amino acid signal peptide. Rotwein P, et al. **J Biol Chem** 1987 Aug 25;262(24):11807–12
Kinetic analysis of lamB mutants suggests the signal sequence plays multiple roles in protein export. Stader J, et al. **J Biol Chem** 1986 Nov 15;261(32):15075–80
Mutations in the NH2-terminal domain of the signal peptide of preproparathyroid hormone inhibit translocation without affecting interaction with signal recognition particle. Szczesna-Skorupa E, et al. **J Biol Chem** 1987 Jun 25; 262(18):8896–900
Characterization of COX9, the nuclear gene encoding the yeast mitochondrial protein cytochrome c oxidase subunit VIIa. Subunit VIIa lacks a leader peptide and is an essential component of the holoenzyme. Wright RM, et al. **J Biol Chem** 1986 Dec 25;261(36):17183–91
Molecular basis of salivary proline-rich protein and peptide synthesis: cell-free translations and processing of human and macaque statherin mRNAs and partial amino acid sequence of their signal peptides. Oppenheim FG, et al. **J Dent Res** 1987 Feb;66(2):462–6
Efficient expression of unfused human alpha D-interferon in Escherichia coli using overlapping termination and initiation codons (TGATG) in its signal sequence. Hou YT, et al. **J Interferon Res** 1986 Aug;6(4):437–43
malM, a new gene of the maltose regulon in Escherichia coli K12. II. Mutations affecting the signal peptide of the MalM protein. Rousset JP, et al. **J Mol Biol** 1986 Oct 5; 191(3):313–20
Protein export in prokaryotes and eukaryotes: indications of a difference in the mechanism of exportation. Gascuel O, et al. **J Mol Evol** 1986;24(1–2):130–42
Dependence of expression of an inducible Staphylococcus aureus cat gene on the translation of its leader sequence. Brückner R, et al. **MGG** 1987 May;207(2–3):486–91
Alkaline phosphatase which lacks its own signal sequence becomes enzymatically active when fused to N-terminal sequences of Escherichia coli haemolysin (HlyA). Erb K, et al. **MGG** 1987 Jun;208(1–2):88–93
Saccharomyces cerevisiae secretes and correctly processes human interferon hybrid proteins containing yeast invertase signal peptides. Chang CN, et al. **Mol Cell Biol** 1986 May; 6(5):1812–9
A deletion that includes the segment coding for the signal peptidase cleavage site delays release of Saccharomyces cerevisiae acid phosphatase from the endoplasmic reticulum. Haguenauer-Tsapis R, et al. **Mol Cell Biol** 1986 Feb;6(2):723–9
Role of the avian retrovirus mRNA leader in expression: evidence for novel translational control. Katz RA, et al. **Mol Cell Biol** 1986 Feb;6(2):372–9
Three tightly linked genes encoding human type I keratins: conservation of sequence in the 5'-untranslated leader and 5'-upstream regions of coexpressed keratin genes. RayChaudhury A, et al. **Mol Cell Biol** 1986 Feb;6(2):539–48
Isolation of complementary DNA clones encoding the human lymphocyte glycoprotein T1/Leu-1. Jones NH, et al. **Nature** 1986 Sep 25-Oct 1;323(6086):346–9
Cloning and characterization of a Leishmania gene encoding a RNA spliced leader sequence. Miller SI, et al. **Nucleic Acids Res** 1986 Sep 25;14(18):7341–60
Detection of transcription-pausing in vivo in the trp operon leader region. Landick R, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(6):1507–11

METABOLISM

Molecular mechanisms of protein secretion: the role of the signal sequence. Briggs MS, et al. **Adv Protein Chem** 1986; 38:109–80 (253 ref.)
Identification of signal sequence binding proteins integrated into the rough endoplasmic reticulum membrane. Robinson A, et al. **Biochem J** 1987 Mar 15;242(3):767–77
Incorporation of a synthetic mitochondrial signal peptide into charged and uncharged phospholipid monolayers. Tamm LK. **Biochemistry** 1986 Nov 18;25(23):7470–6
Theoretical analysis of single-round transcription experiments on trp leader region. Suzuki H, et al. **Biophys J** 1987 Mar;51(3):407–12
A C-terminal signal prevents secretion of luminal ER proteins. Munro S, et al. **Cell** 1987 Mar 13;48(5):899–907
A novel leader peptide which allows efficient secretion of a fragment of human interleukin 1 beta in Saccharomyces cerevisiae. Baldari C, et al. **EMBO J** 1987 Jan;6(1):229–34
The leader peptides from bacteriorhodopsin and halorhodopsin are potential membrane-spanning amphipathic helices. von Heijne G, et al. **FEBS Lett** 1987 Mar 23;213(2):238–40
How proteins move across the endoplasmic reticulum membrane. Blobel G. **Hepatology** 1987 Jan-Feb;7(1 Suppl):26S–29S
T^e flaFIX gene product of Salmonella typhimurium is a flagellar basal body component with a signal peptide for export. Homma M, et al. **J Bacteriol** 1987 Apr; 169(4):1493–8
Secretion and processing of staphylococcal nuclease by Bacillus subtilis. Miller JR, et al. **J Bacteriol** 1987 Aug; 169(8):3508–14
Mediation, by Saccharomyces cerevisiae translocation signals, of beta-lactamase transport through the Escherichia coli inner membrane and sensitive method for detection of signal sequences. Roggenkamp R, et al. **J Bacteriol** 1986 Oct;168(1):467–9
The role of arginine residues in the rat mitochondrial malate dehydrogenase transit peptide. Chu TW, et al. **J Biol Chem** 1987 Sep 15;262(26):12806–11
Synthetic signal peptide and analogs display different activities in mammalian and plant in vitro secretion systems. Duong LT, et al. **J Biol Chem** 1987 May 5;262(13):6328–33
Identification of an outer mitochondrial membrane protein that interacts with a synthetic signal peptide. Gillespie LL. **J Biol Chem** 1987 Jun 15;262(17):7939–42
A functional interaction between the signal peptide and the translation apparatus is detected by the use of a single point mutation which blocks translocation across mammalian endoplasmic reticulum. Ibrahimi I, et al. **J Biol Chem** 1987 Jul 25;262(21):10189–94
The signal sequence of an Escherichia coli outer membrane protein can mediate translocation of a not normally secreted protein across the plasma membrane. MacIntyre S, et al. **J Biol Chem** 1987 Jun 15;262(17):8416–22
The consequences of stepwise deletions from the signal-processing site of beta-lactamase. Plückthun A, et al. **J Biol Chem** 1987 Mar 25;262(9):3951–7
An internalized amino-terminal signal sequence retains full activity in vivo but not in vitro. Rottier PJ, et al. **J Biol Chem** 1987 Jun 25;262(18):8889–95
Yeast carboxypeptidase Y can be translocated and glycosylated without its amino-terminal signal sequence. Blachly-Dyson E, et al. **J Cell Biol** 1987 May; 104(5):1183–91
The influenza hemagglutinin insertion signal is not cleaved and does not halt translocation when presented to the endoplasmic reticulum membrane as part of a translocating polypeptide. Finidori J, et al. **J Cell Biol** 1987 Jun; 104(6):1705–14
The ornithine transcarbamylase leader peptide directs mitochondrial import through both its midportion structure and net positive charge. Horwich AL, et al. **J Cell Biol** 1987 Aug;105(2):669–77
A signal sequence domain essential for processing, but not import, of mitochondrial pre-ornithine carbamyl transferase. Nguyen M, et al. **J Cell Biol** 1987 May; 104(5):1193–8
Direct probing of the interaction between the signal sequence of nascent preprolactin and the signal recognition particle by specific cross-linking. Wiedmann M, et al. **J Cell Biol** 1987 Feb;104(2):201–8
Net N-C charge imbalance may be important for signal sequence function in bacteria. von Heijne G. **J Mol Biol** 1986 Nov 20;192(2):287–90
Towards a comparative anatomy of N-terminal topogenic protein sequences. von Heijne G. **J Mol Biol** 1986 May 5;189(1):239–42
Signal processing, glycosylation, and secretion of mutant hemagglutinins of a human influenza virus by Saccharomyces cerevisiae. Abdul Jabbar M, et al. **Mol Cell Biol** 1987 Apr;7(4):1476–85
Signal peptide specificity in posttranslational processing of the plant protein phaseolin in Saccharomyces cerevisiae. Cramer JH, et al. **Mol Cell Biol** 1987 Jan;7(1):121–8
Biosynthesis of the v-sis gene product: signal sequence cleavage, glycosylation, and proteolytic processing. Hannink M, et al. **Mol Cell Biol** 1986 Apr;6(4):1343–8
In vivo evidence for posttranslational translocation and signal cleavage of the killer preprotoxin of Saccharomyces cerevisiae. Lolle SJ, et al. **Mol Cell Biol** 1986 Dec; 6(12):4274–80
Identification and synthesis of a recognition signal for the attachment of glycosaminoglycans to proteins. Bourdon MA, et al. **Proc Natl Acad Sci USA** 1987 May;84(10):3194–8
Photocrosslinking of the signal sequence of nascent preprolactin to the 54-kilodalton polypeptide of the signal recognition particle. Krieg UC, et al. **Proc Natl Acad Sci USA** 1986 Nov;83(22):8604–8
Targeting of a chimeric human histone fusion mRNA to membrane-bound polysomes in HeLa cells. Zambetti G, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):2683–7

PHARMACODYNAMICS

Inhibition of purified Escherichia coli leader peptidase by the leader (signal) peptide of bacteriophage M13 procoat. Wickner W, et al. **J Bacteriol** 1987 Aug;169(8):3821–2
Protein translocation into Escherichia coli membrane vesicles is inhibited by functional synthetic signal peptides. Chen L, et al. **J Biol Chem** 1987 Feb 5;262(4):1427–9

PHYSIOLOGY

Protein sorting by selective retention in the endoplasmic reticulum and Golgi stack. Rothman JE. **Cell** 1987 Aug 14;50(4):521–2
A signal regulating mouse histone H4 mRNA levels in a mammalian cell cycle mutant and sequences controlling RNA 3' processing are both contained within the same 80-bp fragment. Stauber C, et al. **EMBO J** 1986 Dec 1; 5(12):3297–303
Mutational alterations affecting the export competence of a truncated but fully functional maltose-binding protein signal peptide. Fikes JD, et al. **J Bacteriol** 1987 Jun; 169(6):2345–51
Export of unprocessed precursor maltose-binding protein to the periplasm of Escherichia coli cells. Fikes JD, et al. **J Bacteriol** 1987 Jun;169(6):2352–9
Role of amino-terminal positive charge on signal peptide in staphylokinase export across the cytoplasmic membrane of Escherichia coli. Iino T, et al. **J Biol Chem** 1987 May 25; 262(15):7412–7
Cytotoxic T lymphocytes recognize influenza haemagglutinin that lacks a signal sequence. Townsend AR, et al. **Nature** 1986 Dec 11–17;324(6097):575–7
Many random sequences functionally replace the secretion signal sequence of yeast invertase. Kaiser CA, et al. **Science** 1987 Jan 16;235(4786):312–7

SIGNAL PROCESSING, COMPUTER-ASSISTED

The methods of automatic analysis of epileptic EEG. Blinowska KJ. **Acta Physiol Pol** 1986 Nov-Dec; 37(6):275–84 (28 ref.)
Computer-aided analysis of the epileptic EEG. Penczek P, et al. **Acta Physiol Pol** 1986 Nov-Dec;37(6):262–74 (14 ref.)
Changes in ventricular activation time on the signal-averaged electrocardiogram in the first year after acute myocardial infarction. Denniss AR, et al. **Am J Cardiol** 1987 Sep 1; 60(7):580–3
A Monte Carlo technique for signal level detection in implanted intracranial pressure monitoring. Avent RK, et al. **Ann Biomed Eng** 1987;15(1):79–89
Automated analysis of enzyme inactivation phenomena. Application to beta-lactamases and DD-peptidases. De Meester F, et al. **Biochem Pharmacol** 1987 Jul 15; 36(14):2393–403
Prognostic significance of ventricular tachycardia and fibrillation induced at programmed stimulation and delayed potentials detected on the signal-averaged electrocardiograms of survivors of acute myocardial infarction. Denniss AR, et al. **Circulation** 1986 Oct; 74(4):731–45
Changes in systemic vascular resistance detected by the arterial resistometer: preliminary report of a new method tested during percutaneous transluminal coronary angioplasty. Mohr R, et al. **Circulation** 1986 Oct; 74(4):780–5
A prototype system and reconstruction algorithms for electrical impedance technique in medical body imaging. Kim Y, et al. **Clin Phys Physiol Meas** 1987;8 Suppl A:63–70
The effect of digital lowpass filters on the maximum velocity of saccadic eye movements. Juhola M. **Comput Biol Med** 1986;16(5):361–70
A system for rapidly converting quadriceps contraction to a digital signal for use in microcomputer-oriented muscle therapy and stroke patient assessment schedules. Thompson SB. **Comput Biol Med** 1987;17(2):117–25
Assessment of the maximum frequency components and digital sampling of cardiac Purkinje fiber action potentials. Buckles DS, et al. **Comput Biomed Res** 1986 Oct; 19(5):410–6
A computerized system for acquiring DNA solution viscosity data. Carlo P, et al. **Comput Biomed Res** 1987 Feb; 20(1):29–36
Estimation and removal of power line interference in the electrocardiogram: a comparison of digital approaches. Cramer E, et al. **Comput Biomed Res** 1987 Feb;20(1):12–28
Remarks and experiments on the construction of respiratory waveforms from electrocardiographic tracings. Pinciroli F, et al. **Comput Biomed Res** 1986 Oct;19(5):391–409
ECG baseline wander reduction using linear phase filters. van Alsté JA, et al. **Comput Biomed Res** 1986 Oct; 19(5):417–27
Fast microcomputer-based multipurpose filtering routine. Bernardi L, et al. **Comput Methods Programs Biomed** 1987 Apr;24(2):135–6

The design of transverse filters and their use in visual electrograms. Boire JY, et al.
Comput Methods Programs Biomed 1987 Apr;24(2):97–104

Digital signal processing in studies of animal acoustical communication, including human speech. Davis RO.
Comput Methods Programs Biomed 1986 Dec;23(3):171–96 (83 ref.)

The Personal Acoustics Lab (PAL): a microcomputer-based system for digital signal acquisition, analysis, and synthesis. Davis RO. **Comput Methods Programs Biomed** 1986 Dec; 23(3):199–210

The development of a microprocessor system for simultaneously monitoring heart rate from multiple subjects. Peterson JT, et al.
Comput Methods Programs Biomed 1987 Jun;24(3):169–77

Real-time acquisition and analysis of cardiac action potentials and twitches using a programmable digitizer and a microcomputer. Sellin LC, et al.
Comput Methods Programs Biomed 1987 Feb;24(1):21–4

Multi-channel amplifier system for computerized topographic EEG analysis. Coppola R, et al.
Electroencephalogr Clin Neurophysiol 1987 Aug;67(2):191–3

Automatic enhancement of single evoked potentials. Krieger D, et al. **Electroencephalogr Clin Neurophysiol** 1986 Dec; 64(6):568–72

Characterization and processing of surface recorded spinal somatosensory evoked potentials. Morin E, et al.
Electroencephalogr Clin Neurophysiol 1987 Jan;68(1):40–4

Elimination of EKG artifacts from EEG records: a new method of non-cephalic referential EEG recording. Nakamura M, et al.
Electroencephalogr Clin Neurophysiol 1987 Jan;66(1):89–92

Application of computer averaging techniques to the study of learned volitive heartbeat control. Yellin AM.
Electroencephalogr Clin Neurophysiol 1987 Jan;66(1):93–6

Pitfalls of computer use in acute care medicine. Pierpont GL.
Heart Lung 1987 Mar;16(2):207–10

Criteria for optimal averaging of cardiac signals. Craelius W, et al. **IEEE Trans Biomed Eng** 1986 Oct;33(10):957–66

The analysis of noisy signals by nonparametric smoothing and differentiation. Gasser T, et al.
IEEE Trans Biomed Eng 1986 Dec;33(12):1129–33

High-frequency electrocardiogram analyzer. Ge JG, et al.
IEEE Trans Biomed Eng 1986 Dec;33(12):1137–40

Classifier-directed signal processing in brain research. Gevins AS, et al. **IEEE Trans Biomed Eng** 1986 Dec; 33(12):1054–68 (43 ref.)

A multichannel signal processor for the detection of epileptogenic sharp transients in the EEG. Glover JR JR, et al. **IEEE Trans Biomed Eng** 1986 Dec;33(12):1121–8

Reduction of heart sounds from lung sounds by adaptive filtering. Iyer VK, et al. **IEEE Trans Biomed Eng** 1986 Dec;33(12):1141–8

Digital enhancement of the peripheral admittance plethysmogram. Marks LA. **IEEE Trans Biomed Eng** 1987 Mar;34(3):192–8

GMDH correction modeling of distorted signals recorded by mandibular kinesiograph. Nagata M, et al.
IEEE Trans Biomed Eng 1986 Dec;33(12):1213–21

Data processing of exercise ECG's. Pahlm O, et al.
IEEE Trans Biomed Eng 1987 Feb;34(2):158–65 (61 ref.)

A microprocessor-based signal processing system for measurement of vascular and urethral parameters. Pritchard TB, et al. **IEEE Trans Biomed Eng** 1986 Dec; 33(12):1197–203

An efficient formula for estimating the generalized moments of the power spectral density (PSD) without computing the Fourier transform. Saltzberg B.
IEEE Trans Biomed Eng 1986 Dec;33(12):1134–6

Two methods for optimal MECG elimination and FECG detection from skin electrode signals. Vanderschoot J, et al. **IEEE Trans Biomed Eng** 1987 Mar;34(3):233–43

Some aspects of nonstationary myoelectric signal processing. Xiong FQ, et al. **IEEE Trans Biomed Eng** 1987 Feb; 34(2):166–72

Heart rate variability signal processing: a quantitative approach as an aid to diagnosis in cardiovascular pathologies. Baselli G, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):51–70

Syntactic analysis of the epileptic electroencephalogram. Grochulski W, et al. **Int J Biomed Comput** 1986 Nov; 19(3–4):219–34

Identification of cellular and subcellular features by means of digital microscopy. Gualtieri P, et al.
Int J Biomed Comput 1987 Jan;20(1–2):79–86

Power spectral analysis of normal and pathological brainstem auditory evoked potentials. Kamath MV, et al.
Int J Biomed Comput 1987 Jul;21(1):33–54

The use of a multi-channel Kalman filter algorithm in structural analysis of the epileptic EEG. Penczek P, et al.
Int J Biomed Comput 1987 Jan;20(1–2):135–51

Filter transient response to EEG waveforms. Shirakawa S, et al. **Int J Biomed Comput** 1987 Jan;20(1–2):87–95

Clinical application of arrhythmia analyzer in ICU. Oyama T, et al. **Int J Clin Monit Comput** 1987;4(2):99–104

Elements of EEG signal processing. Rampil IJ.
Int J Clin Monit Comput 1987;4(2):85–98

Digital signal processing of stridor and snoring in children. Leiberman A, et al. **Int J Pediatr Otorhinolaryngol** 1986 Dec;12(2):173–85

A low-power multichannel electromyographic signal data acquisition system. Hortensius P, et al.
J Med Eng Technol 1987 Jan–Feb;11(1):11–6

Recording of foetal movements: a comparison of three methods. Valentin L, et al. **J Med Eng Technol** 1986 Sep–Oct;10(5):239–47

Signal processing technique to extract neuronal activity from noise. Chung SH, et al. **J Neurosci Methods** 1987 Feb; 19(2):125–39

Acquisition of gamma camera and physiological data by computer. Hack SN, et al. **J Nucl Med** 1986 Nov; 27(11):1755–63

An adaptive on-line method for the extraction of the complete fetal electrocardiogram from cutaneous multilead recordings. Callaerts D, et al. **J Perinat Med** 1986; 14(6):421–33

Variability analysis of fetal heart rate signals as obtained from abdominal electrocardiographic recordings. Cerutti S, et al. **J Perinat Med** 1986;14(6):445–52

On-line processing of the fetal electrocardiogram. A new direction for fetal monitoring. Symonds EM.
J Reprod Med 1987 Jul;32(7):509–12

Continuous registration of cardiac output with a new computer system designed for hot-film anemometry: an in vitro study. Hasenkam JM, et al. **Life Support Syst** 1986 Oct–Dec;4(4):335–44

A signal processing model of diagnostic x-ray scatter. Smith SW, et al. **Med Phys** 1986 Nov–Dec;13(6):831–5

Robust spectral analysis of the EEG. Molinari L, et al.
Neuropsychobiology 1986;15(3–4):208–18

Real-time monitoring of brainstem auditory evoked response (BAER) during cerebellopontine angle (CPA) surgery. Hammerschlag PE, et al. **Otolaryngol Head Neck Surg** 1986 Dec;95(5):538–42

Phonatory volume velocity recording by use of hot film anemometry and signal analysis. Woo P.
Otolaryngol Head Neck Surg 1986 Oct;95(3 Pt 1):312–8

Computer scoring of motility patterns for states of sleep and wakefulness: human infants. Thoman EB, et al. **Sleep** 1987 Apr;10(2):122–9

Advanced signal-processing method for the detection, localization, and quantification of acute myocardial ischemia. Siegel JH, et al. **Surgery** 1987 Aug;102(2):215–28

An approach to digital signal processing for ultrasonics research. Knight PC, et al. **Ultrasound Med Biol** 1987 Jun; 13(6):345–52

[Experimental analog devices for automatic stabilization of intracranial pressure in patients with external drainage] Texier JJ, et al. **Agressologie** 1986 Nov;27(10):847–50 (Eng. Abstr.) **(Fre)**

[Value of quantitative EEG and EEG mapping in medicine] Etévenon P, et al. **Ann Med Interne (Paris)** 1987;138(1):13–8 (Eng. Abstr.) **(Fre)**

[System for the automated acquisition of electrophysiological data] Baldetti F, et al. **Boll Soc Ital Biol Sper** 1986 Oct 30;62(10):1261–7 (Eng. Abstr.) **(Ita)**

[Experience using computerized monitoring of patients with bronchopneumopathies] Romanioli G, et al. **Pediatria** 1986 Oct;(10):59–60 **(Rus)**

SIGNAL PROCESSING, DIGITAL see **SIGNAL PROCESSING, COMPUTER-ASSISTED**

SIGNAL SEQUENCES, PEPTIDES see **SIGNAL PEPTIDES**

SILAGE see under **ANIMAL FEED**

SILANES see under **SILICON**

SILASTICS see **SILICONE ELASTOMERS**

SILICA

The use of modified silica gels in TLC and HPTLC. Jost W, et al. **Adv Chromatogr** 1987;27:129–65 (54 ref.)

Carminative property of peppermint in magnesium trisilicate mixture, BP [letter] Robson NJ. **Anaesthesia** 1987 Jul; 42(7):776–7

Silica containing primary hydroxyl groups for high-performance affinity chromatography. Ernst-Cabrera K, et al. **Anal Biochem** 1986 Dec;159(2):267–72

Experimental application of polyvinyl alcohol-silica for small artificial vessels. Tamura K, et al.
Biomater Med Devices Artif Organs 1985–86; 13(3–4):133–52

Silica-dust-exposed mine workers with scleroderma (systemic sclerosis). Cowie RL. **Chest** 1987 Aug; 92(2):260–2

Studies on surface properties of asbestos. I. Active sites on surface of chrysotile and amphiboles. Bonneau L, et al.
Environ Res 1986 Oct;41(1):251–67

The pathogenicity of dust from a fluorite mine. Xu YH, et al. **Environ Res** 1987 Aug;43(2):350–8

Aging test and dynamic fatigue test of apatite-wollastonite-containing glass ceramics and dense hydroxyapatite. Kitsugi T, et al. **J Biomed Mater Res** 1987 Apr;21(4):467–84

Analysis of dihydrocodeine in urine using Sep-Pak C18 cartridges for sample cleanup. Nakamura GR, et al.
J Forensic Sci 1987 Mar;32(2):535–8

The isolation of fungi from laboratory dental pumice. Williams HN, et al. **J Prosthet Dent** 1986 Dec;56(6):737–40

Experimental data on the antiulcerous action of a new pharmacological combination. Mungiu OC, et al.
Rev Med Chir Soc Med Nat Iasi 1986 Apr–Jun;90(2):367–8

[Technic of converting quartz to cristobalite in dental investment] Chen HD.
Chung Hua Kou Chiang Hsueh Tsa Chih 1987 Jan; 22(1):12–4, 62 (Eng. Abstr.) **(Chi)**

[Immobilization of urease from Staphylococcal saprophyticus L-1 on activated silica] Liubinskii GV, et al.
Ukr Biokhim Zh 1987 Jul–Aug;59(4):35–41 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Comparison of sodium citrate with magnesium trisilicate as pre-anaesthetic antacid in emergency caesarean sections. Wig J, et al. **Indian J Med Res** 1987 Mar;85:306–10

ADVERSE EFFECTS

Respiratory hazard from removal of ceramic fiber insulation from high temperature industrial furnaces. Gantner BA.
Am Ind Hyg Assoc J 1986 Sep;47(9):530–4

Man-made vitreous fibers: an overview of studies on their biologic effects. Gross P. **Am Ind Hyg Assoc J** 1986 Nov; 47(11):717–23

The morbidity and mortality of vermiculite miners and millers exposed to tremolite-actinolite: Part III. Radiographic findings. Amandus HE, et al.
Am J Ind Med 1987;11(1):27–37

The morbidity and mortality of vermiculite miners and millers exposed to tremolite-actinolite: Part II. Mortality. Amandus HE, et al. **Am J Ind Med** 1987;11(1):15–26

Silica and glomerulonephritis: case report and review of the literature. Osorio AM, et al. **Am J Kidney Dis** 1987 Mar; 9(3):224–30

A survey of the respiratory health of silica-exposed gemstone workers in Hong Kong. Ng TP, et al.
Am Rev Respir Dis 1987 Jun;135(6):1249–54

Some peculiarities of the pulmonary phagocytotic response: dust retention kinetics and silicosis development during long term exposure of rats to high quartz dust levels. Privalova LI, et al. **Br J Ind Med** 1987 Apr;44(4):228–35

Contact sensitivity to silicic acid in Unguentum Merck. Mitchell DM, et al. **Contact Dermatitis** 1987 Mar;16(3):178

Silica hazard of caisson construction in Hong Kong. Ng TP, et al. **J Soc Occup Med** 1987 Summer;37(2):62–5

Silica dust and lung cancer: results from the Nordic occupational mortality and cancer incidence registers. Lynge E, et al. **JNCI** 1986 Oct;77(4):883–9

Pleural effects of tremolite in north-west Greece [letter] Bazas T. **Lancet** 1987 Jun 27;1(8548):1490–1

Association of Metsovo lung and pleural mesothelioma with exposure to tremolite-containing whitewash. Langer AM, et al. **Lancet** 1987 Apr 25;1(8539):965–7

Urolithiasis in a patient ingesting pure silica: a scanning electron microscopy study. Leusmann DB, et al.
Scan Electron Microsc 1986;(Pt 2):757–60

Contributions to the IARC (International Agency for Research on Cancer) study on mortality and cancer incidence among man-made mineral fiber production workers. **Scand J Work Environ Health** 1986;12 Suppl 1:5–93

Incidence of cancer in the mineral-wool producing industry in Norway. Andersen A, et al.
Scand J Work Environ Health 1986;12 Suppl 1:72–7

Environmental surveys in the European man-made mineral fiber production industry [published erratum appears in Scand J Work Environ Health 1987 Apr;13(2):192] Cherrie J, et al. **Scand J Work Environ Health** 1986;12 Suppl 1:18–25

Past exposures to airborne fibers and other potential risk factors in the European man-made mineral fiber production industry. Cherrie J, et al.
Scand J Work Environ Health 1986;12 Suppl 1:26–33

Silicosis in the manufacture of scouring powder. Lee HS, et al. **Singapore Med J** 1986 Dec;27(6):496–506

Dentifrice abrasivity. The use of laser light for determination of the abrasive properties of different silicas. An in vitro study. Redmalm G. **Swed Dent J** 1986;10(6):243–50

[Functional compromise of the small airways in subjects exposed to SiO2] Avolio G, et al. **Minerva Med** 1986 Nov 30;77(45–46):2183–5 (Eng. Abstr.) **(Ita)**

[Evaluation of the biological effect of polishing powders] Woźniak H, et al. **Med Pr** 1986;37(4):236–42 (Eng. Abstr.) **(Pol)**

[Hygienic standards for the concentration of quartz and coal dusts in the air of a work area (a review of the literature)] Navatikian AO, et al. **Vrach Delo** 1986 Sep;(9):104–8 (29 ref.) **(Rus)**

ANALYSIS

Occupational exposure to airborne dust, respirable quartz and metals arising from refuse handling, burning and landfilling. Mozzon D, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):111–6

The morbidity and mortality of vermiculite miners and millers exposed to tremolite-actinolite: Part I. Exposure estimates. Amandus HE, et al. **Am J Ind Med** 1987; 11(1):1–14

Tremolite/chrysotile ratios [letter] Scansetti G, et al.
Am J Ind Med 1987;12(1):117–8

Fiber contamination of vermiculites: a potential occupational and environmental health hazard. Moatamed F, et al.
Environ Res 1986 Oct;41(1):207–18

Macromolecular prodrugs. V. Simultaneous determination of high-molecular-weight dextran metronidazole monosuccinate ester prodrugs and the hydrolysis products metronidazole and the corresponding monosuccinate ester on nucleosil diol. Larsen C, et al. **J Chromatogr** 1987 Feb 27;389(1):227-35

[Quantitative and qualitative analyses of inorganic dusts in idiopathic interstitial pneumonia (IIP)] Inoue M. **Hokkaido Igaku Zasshi** 1986 Sep;61(5):745-54 (Eng. Abstr.) **(Jpn)**

[Incidence of drug lithiasis in 1500 cases of renal calculi] Traba ML, et al. **Rev Clin Esp** 1986 Dec;179(9):447-50 **(Spa)**

DIAGNOSTIC USE

Application of 3 alpha-hydroxysteroid dehydrogenase column to the determination of bile acids fractionated by high-performance liquid chromatography: advantage of pretreating human bile acids with Seppak C18 and piperidinohydroxypropyl Sephadex LH-20. Watanabe J, et al. **Acta Med Okayama** 1987 Apr;41(2):47-54

PHARMACODYNAMICS

The relationship between intra- and extra-cellular surfactant phospholipids in the lungs of rabbits and the effects of silica-induced lung injury. Dethloff LA, et al. **Biochem J** 1986 Oct 1;239(1):59-67

Silicate minerals and the interferon system. Habon N, et al. **Environ Res** 1987 Aug;43(2):395-409

Effect of mouse peritoneal macrophages of orally administered very high dilutions of silica. Davenas E, et al. **Eur J Pharmacol** 1987 Mar 31;135(3):313-9

Interplay between extracellular -SH groups and Ca2+ in their mitogenic action on murine lymphocytes: the role of SiO2. Burger M, et al. **Immunol Lett** 1987 Apr; 14(4):277-82

Silica decreases phagocytosis and bactericidal activity of both macrophages and neutrophils in vitro. Zimmerman BT, et al. **Immunology** 1986 Dec;59(4):521-5

Effects of phagocytized substances on insulin secretion in mice. Basu I, et al. **Indian J Exp Biol** 1986 Dec;24(12):750-4

Regulation of tumor development: the biphasic effects of silica and of lipopolysaccharide on natural resistance. Sandstrom PA, et al. **Int J Cancer** 1987 Jul 15;40(1):122-30

Interrelationship between hemolysis and lipid peroxidation of human erythrocytes induced by silicic acid and silicate dusts. Singh SV, et al. **J Appl Toxicol** 1987 Apr;7(2):91-6

Selective removal of antigen-complexed IgG from cat plasma by adsorption onto a protein A-silica matrix. Snyder HW Jr, et al. **J Immunol Methods** 1987 Aug 3;101(2):209-17

Mutagenicity of diesel exhaust particles and oil shale particles dispersed in lecithin surfactant. Wallace WE, et al. **J Toxicol Environ Health** 1987;21(1-2):163-71

The effect of drugs on oligodendrocyte proliferation and myelin regeneration. Herndon RM. **Prog Brain Res** 1987; 71:485-91

Mycobacterium marinum infection in gnotobiotic nu/nu mice pretreated with cyclophosphamide and silica. Burchard GD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Jul; 261(4):411-6

[Nisin sorption and desorption on different silica adsorbents] Baranova IP, et al. **Antibiot Med Biotekhnol** 1987 Jun; 32(6):437-9 (Eng. Abstr.) **(Rus)**

[Effect of kerogen oxidation products on the biosynthesis of beta-lactamases by Escherichia coli] Poliak MS, et al. **Antibiot Med Biotekhnol** 1986 Jul;31(7):541-5 (Eng. Abstr.) **(Rus)**

POISONING

Mortality from lung cancer and respiratory disease among pottery workers exposed to silica and talc. Thomas TL, et al. **Am J Epidemiol** 1987 Jan;125(1):35-43

Collagen synthesis in rats with silica-induced pulmonary fibrosis. Poole A. **Arch Toxicol [Suppl]** 1987;11:285-7

THERAPEUTIC USE

Double-blind controlled study on the efficacy of sodium alginate (Gaviscon) in reducing gastroesophageal reflux assessed by 24 h continuous pH monitoring in infants and children. Buts JP, et al. **Eur J Pediatr** 1987 Mar; 146(2):156-8

Effect of cyclosporin A, silica quartz dust, and protease inhibitors on virus-induced demyelination. Rodriguez M, et al. **J Neuroimmunol** 1986 Dec;13(2):159-74

[Effect of fu-ning in treating skeletal fluorosis] Shang-Guan CM. **Chung Hua I Hsueh Tsa Chih** 1986 Nov;66(11):665-7 (Eng. Abstr.) **(Chi)**

[Ranitidine, cimetidine and magnesium silicate in the prevention of aspiration pneumonia] Tulli G, et al. **Minerva Anestesiol** 1986 Nov;52(11):375-83 (Eng. Abstr.) **(Ita)**

[Treatment of deep caries with a paste containing ethonium, dimexide and aerosil] Samollov IuA, et al. **Vrach Delo** 1986 Oct;(10):86-7 **(Rus)**

TOXICITY

Respirable dust control in grinding gray iron castings. O'Brien D, et al. **Am Ind Hyg Assoc J** 1987 Feb;48(2):181-7

Silica-induced alveolar cell tumors in rats. Johnson NF, et al. **Am J Ind Med** 1987;11(1):93-107

Effect of vehicular volume on the early pulmonary injury and inflammatory response in rats inoculated intratracheally with silica. Lopez A, et al. **Am J Vet Res** 1987 Aug;48(8):1282-5

Fine biogenic silica fibres in sugar cane: a possible hazard. Newman RH. **Ann Occup Hyg** 1986;30(3):365-70

Determinants of pulmonary fibrosis and lipidosis in the silica model. Heppleston AG. **Br J Exp Pathol** 1986 Dec; 67(6):879-88

Lysosomal enzyme activity and fibroblast stimulation of lavage from guinea pigs exposed to silica dust. Sjöstrand M, et al. **Br J Exp Pathol** 1987 Jun;68(3):309-18

Growth of bacteria in an oil shale retort water by indigenous microorganisms. Gauger WK, et al. **Bull Environ Contam Toxicol** 1987 May;38(5):769-74

Comparative lung immunotoxicity of inhaled quartz and coal combustion fly ash. Bice DE, et al. **Environ Res** 1987 Aug; 43(2):374-89

The prophylactic use of polyvinylpyridine-N-oxide (PVNO) in baboons exposed to quartz dust. Goldstein B, et al. **Environ Res** 1987 Apr;42(2):469-81

Quantitation of silica-induced type II cell hyperplasia by using alkaline phosphatase histochemistry in glycol methacrylate embedded lung. Miller BE, et al. **Exp Lung Res** 1987;12(2):135-48

Comparative studies of fibrogenic properties of wollastonite, chrysotile and crocidolite. Woźniak H, et al. **Med Pr** 1986; 37(5):288-96

Enhanced interleukin 1 production by alveolar macrophages and increase in Ia-positive lung cells in silica-exposed rats. Oghiso Y, et al. **Microbiol Immunol** 1986;30(11):1189-98

The pulmonary toxicity of talc and granite dust as estimated from an in vivo hamster bioassay. Beck BD, et al. **Toxicol Appl Pharmacol** 1987 Feb;87(2):222-34

[The rejection reaction in subcutaneous connective tissue in the rat after application of silicon dioxide] Schmidt H, et al. **Zahn Mund Kieferheilkd** 1987;75(3):249-54 (Eng. Abstr.) **(Ger)**

[Relation between the cytotoxic effect of silicosogenic dusts and intensified lipid peroxidation in macrophages] Kishitsina NS. **Gig Tr Prof Zabol** 1986 Sep;(9):12-6 (Eng. Abstr.) **(Rus)**

SILICIC ACID see under **SILICA**

SILICON

see related

ASBESTOS

A new catalyst for reductive cleavage of methylated glycans. Jun JG, et al. **Carbohydr Res** 1987 Jun 15;163(2):247-61

Regiospecific deoxygenation of the dihydroxyacetone moiety at C-17 of corticoid steroids with iodotrimethylsilane. Numazawa M, et al. **Chem Pharm Bull (Tokyo)** 1986 Sep; 34(9):3722-6

N-substituted trimethylsilylcarbamates as silylating and/or methoxime derivatizing reagents for gas chromatographic analysis. Knausz D, et al. **J Chromatogr** 1986 Sep 19; 365:183-90

Behaviour of synthetic corticoids in ointment on 3-cyanopropyltrichlorosilane in high-performance thin-layer chromatography. Okamoto M, et al. **J Chromatogr** 1986 Nov 21;369(2):403-7

Adhesion of resins to Ag-Pd alloys by means of the silicoating technique. Herø H, et al. **J Dent Res** 1987 Aug; 66(8):1380-5

Steroidal silicon side-chain analogues as potential antifertility agents. Peters RH, et al. **J Med Chem** 1987 Apr; 30(4):646-52

ADMINISTRATION & DOSAGE

[Resolutive treatment of bronchial aspirations in esophageal surgery] Gisbert J, et al. **An Otorrinolaringol Ibero Am** 1986;13(4):345-50 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Potential health risks from the use of fibrous mineral absorption granulates. Rödelsperger K, et al. **Br J Ind Med** 1987 May;44(5):337-43

ANALYSIS

Evaluation of occupational exposure to mixed dusts and polycyclic aromatic hydrocarbons in silicon carbide plants. Dufresne A, et al. **Am Ind Hyg Assoc J** 1987 Feb; 48(2):160-6

Analysis of all protein amino acids as their tert.-butyldimethylsilyl derivatives by gas-liquid chromatography. Goh CJ, et al. **Anal Biochem** 1987 May 15;163(1):175-81

Gas chromatography-mass spectrometry of isobutyl ester trimethylsilyl ether derivatives of bile acids and application to the study of bile sterol and bile acid biosynthesis in rat liver epithelial cell lines. Tsaconas C, et al. **Anal Biochem** 1986 Sep;157(2):300-15

Determination of organosilicon oxide polymers in tissue by atomic absorption spectroscopy using HGA graphite furnace. Felby S. **Forensic Sci Int** 1986 Aug-Sep;32(1):61-5

Analysis of amino acids by gas-liquid chromatography as tert.-butyldimethylsilyl derivatives. Preparation of derivatives in a single reaction. MacKenzie SL, et al. **J Chromatogr** 1987 Jan 30;387:241-53

BLOOD

[Silicon determination in the serum] Lastochkina KO, et al. **Gig Sanit** 1986 Nov;(11):42-5 **(Rus)**

CHEMICAL SYNTHESIS

Diethylhydrogensilyl cyclic diethylsilylene derivatives in gas chromatography-mass spectrometry of hydroxylated steroids. II. Pregnanes with a hydroxylated 17 beta-side-chain. Ishibashi M, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3298-305

DIAGNOSTIC USE

Hexamethyldisilazane in preparation of retinal tissue for scanning electron microscopy. Heegaard S, et al. **Ophthalmic Res** 1986;18(4):203-8

METABOLISM

Uptake, distribution, and excretion of 31silicon in normal rats. Adler AJ, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):E670-3

PHARMACODYNAMICS

Further morphological and histochemical studies on organosilicone induced effects in rat testis. Haider SG, et al. **Acta Histochem (Jena)** 1987;81(1):125-7

Hypocholesterolemic action of 1-ethoxysilatrane. Mehta PP, et al. **Biochim Biophys Acta** 1987 Jul 13;920(1):102-4

A new covalently modified support for gas-liquid phase sequencing. Frank R, et al. **Biol Chem Hoppe Seyler** 1986 Jul;367(7):573-8

Sister chromatid exchanges in rat pleural mesothelial cells treated with crocidolite, attapulgite, or benzo 3-4 pyrene. Achard S, et al. **Br J Ind Med** 1987 Apr;44(4):281-3

Sampling of airborne dichlorvos and fenitrothion by using octadecylsilane cartridges. Saito I, et al. **Bull Environ Contam Toxicol** 1986 Nov;37(5):664-7

[Mechanism of the membrane-stabilizing effect of 1-(chloromethyl)silatrane] Pisarskii IuV, et al. **Dokl Akad Nauk SSSR** 1987;293(3):724-7 **(Rus)**

[Antiviral activity of the 1-alpha- and beta-desoxy-D-ribofuranosides of 5-trimethylsilyl uracil] Bektemirov TA, et al. **Vopr Virusol** 1987 Jan-Feb; 32(1):114-6 **(Rus)**

TOXICITY

The lung biological activity of American attapulgite. Bégin R, et al. **Environ Res** 1987 Apr;42(2):328-39

SILICONE ELASTOMERS

Dimensional stability of two impression materials. Chew CL. **Ann Acad Med Singapore** 1986 Jul;15(3):326-9

Further improvement in a dressing for hypospadias. Zeligowski AA, et al. **Ann Plast Surg** 1987 Jan;18(1):81-2

Effect of vancomycin hydrochloride on Staphylococcus epidermidis biofilm associated with silicone elastomer. Evans RC, et al. **Antimicrob Agents Chemother** 1987 Jun; 31(6):889-94

Internal jugular vein cannulation with two silicone rubber catheters: a new and safe temporary vascular access for hemodialysis. Thirty months' experience. Canaud B, et al. **Artif Organs** 1986 Oct;10(5):397-403

Use of polyethylene-lined silicone rubber cannulae in long-term insulin infusion in the dog. Wigness BD, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):363-6

'Problems with addition-cured silicone putty' [letter] Darvell BW. **Br Dent J** 1986 Sep 6;161(5):160

Silastic implant as a part of temporomandibular joint arthroplasty. Evaluation of its efficacy. Kalamchi S, et al. **Br J Oral Maxillofac Surg** 1987 Jun;25(3):227-36

A silastic foam dressing for the protection of the post-operative ear. Ross JK, et al. **Br J Plast Surg** 1987 Mar;40(2):213-4

The pathogenicity of coagulase negative staphylococcus in the presence of silicone rubber implants. Wong PT, et al. **Br J Plast Surg** 1987 Jan;40(1):94-6

New silicone rubber mat: a simple aid for laparotomy wound closure. Peters JL, et al. **Br J Surg** 1987 Jan;74(1):65

Long-term indwelling silicone catheters: a simple, safe method for venous access. Koven IH, et al. **Can J Surg** 1987 May;30(3):181-4

Late results of silicone rubber perianal suture for rectal prolapse. Earnshaw JJ, et al. **Dis Colon Rectum** 1987 Feb; 30(2):86-8

Antibiotic prophylaxis in Silastic joint implantation. A retrospective study. Landry JR, et al. **J Am Podiatr Med Assoc** 1987 Apr;77(4):177-81

Silicone elastomer implant failure [letter] Lentz AJ. **J Am Podiatr Med Assoc** 1987 Jan;77(1):49-50

Scaphoid implant resection arthroplasty. Long-term results. Swanson AB, et al. **J Arthroplasty** 1986;1(1):47-62

A mechanical evaluation of an elastic femoral prosthetic stem. Newcombe WR, et al. **J Biomech** 1987;20(2):179-85

Adhesion of resins to Ag-Pd alloys by means of the silicoating technique. Herø H, et al. **J Dent Res** 1987 Aug; 66(8):1380-5

The color accuracy of the Kubelka-Munk theory for various colorants in maxillofacial prosthetic material. Ma T, et al. **J Dent Res** 1987 Sep;66(9):1438-44

Utilization of Silastic nerve caps for the treatment of amputation neuromas. Midenberg ML, et al.

J Foot Surg 1986 Nov-Dec;25(6):489-94

Long-term results of Kienböck's disease treated by excisional arthroplasty with a silicone implant or coiled palmaris longus tendon. Kato H, et al. **J Hand Surg [Am]** 1986 Sep; 11(5):645-53

Reconstruction of cerebral cortical veins using silicone tubing. Technical note. Sakaki T, et al. **J Neurosurg** 1987 Mar;66(3):471-3

Valgus stability of the elbow. Hotchkiss RN, et al. **J Orthop Res** 1987;5(3):372-7

A study of bubbles in a rubber elastomer manipulated under clinical conditions. Stackhouse JA Jr, et al. **J Prosthet Dent** 1987 May;57(5):591-6

Effects of different doses of acetylsalicylic acid on platelet aggregation: an experimental study of prosthetic materials in dogs. Escudero C, et al. **Life Support Syst** 1986 Oct-Dec; 4(4):325-34

Microvascular silicon replamineform grafts of 2- and 5-cm lengths: experimental studies. Berman DE, et al. **Microsurgery** 1986;7(3):132-4

Replication by silicone impression materials in crown and bridge construction. Hoffman JM. **NY State Dent J** 1987 Jan;53(1):40-3

Retained alloplastic temporomandibular joint disk implants: a retrospective study. Bronstein SL. **Oral Surg Oral Med Oral Pathol** 1987 Aug;64(2):135-45

Central venous silastic catheters in newborns: localization by sonography and radiology. Diemer A. **Pediatr Radiol** 1987;17(1):15-7

Percutaneous central venous silastic catheters in newborn infants [letter] Carrera G, et al. **Pediatrics** 1987 May; 79(5):837

Long-term results of silicone elastomer ring vertical gastroplasty for the treatment of morbid obesity. Willbanks OL. **Surgery** 1987 May;101(5):606-10

Silastic foam dressing--the ideal penile dressing. Mattelaer JJ, et al. **Urology** 1987 May;:37

[A preliminary report on the use of meniscus repositioning/repair and meniscectomy with silastic implantation] Zhang ZK. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1987 Mar; 22(2):78-81, 126 (Eng. Abstr.) **(Chi)**

[Treatment of retinal detachment using silicone implant and binding. Results in 95 cases] Philippot M, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1221-2, 1227-8 (Eng. Abstr.) **(Fre)**

[Results of the treatment of retinal detachment using Lincoff's sponge. Apropos of 40 cases] Sekkat A, et al. **Bull Soc Ophtalmol Fr** 1986 Oct;86(10):1215-9 **(Fre)**

[Wound management using a silicone foam dressing. Results of a multicenter study] Linke E, et al. **Fortschr Med** 1986 Dec 18;104(47-48):979-82 (Eng. Abstr.) **(Ger)**

[Antimicrobial properties of dressing material on a silicone base] Engel M, et al. **Unfallchirurg** 1987 May;90(5):241-5 (Eng. Abstr.) **(Ger)**

[Dressing technic with silastic foam following penis operations] Weissbach L. **Urologe [A]** 1987 Jul;26(4):220-1 (Eng. Abstr.) **(Ger)**

[Cultivated epidermis as a skin replacement--improved technics using mesh silastic sheets] Auböck J, et al. **Z Hautkr** 1987 Apr 1;62(7):550-61 (Eng. Abstr.) **(Ger)**

[Results of surgical treatment of retinal detachment using Soviet-made silicone rubber] Pen'kov MA, et al. **Oftalmol Zh** 1987;(1):40-2 (Eng. Abstr.) **(Rus)**

[Replacement of the radial head with a silicone implant] Movshovich IA, et al. **Ortop Travmatol Protez** 1986 Aug; (8):12-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Silicone-induced erosive arthritis: radiologic features in seven cases. Schneider HJ, et al. **AJR** 1987 May; 148(5):923-5

Acute and latent pneumonitis after subcutaneous injections of silicone in transsexual men. Chastre J, et al. **Am Rev Respir Dis** 1987 Jan;135(1):236-40

Long-term complications of trapeziometacarpal silicone arthroplasty. Peimer CA. **Clin Orthop** 1987 Jul;(220):86-98

Silicone rubber carpal implants: a study of the incidence of late osseous complications. Carter PR, et al. **J Hand Surg [Am]** 1986 Sep;11(5):639-44

Reactive synovitis after silicone arthroplasty. Peimer CA, et al. **J Hand Surg [Am]** 1986 Sep;11(5):624-38

Late reaction to silicone following reconstruction of an orbital floor fracture. Sewall SR, et al. **J Oral Maxillofac Surg** 1986 Oct;44(10):821-5

Silicone lymphadenopathy, synovitis and osteitis complicating big toe Silastic prostheses. Jasim KA, et al. **J R Coll Surg Edinb** 1987 Feb;32(1):29-33

[Acute respiratory insufficiency following illicit silicone injections: the value of broncho-alveolar lavage] Chastre J, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):531-5 (Eng. Abstr.) **(Fre)**

[Autoimmune phenomena after silicone implantation] Kaiser W, et al. **Dtsch Med Wochenschr** 1987 Sep 4;112(36):1376-9 (Eng. Abstr.) **(Ger)**

[A case of adjuvant disease of man associated with myopathy showing sarcoid-like lesion due to mammoplasty] Kato M, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):445-50 **(Jpn)**

METABOLISM

[Discoloration of maxillofacial silicone rubber due to lipid absorption and oxidation] Yanagisawa H. **Kokubyo Gakkai Zasshi** 1987 Mar;54(1):190-207 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

[Adhesion between thermoplastic and silicone casting materials in producing double combined molds] Pavlenko VM, et al. **Stomatologiia (Mosk)** 1987 May-Jun;66(3):68-9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Silastic foam dressing in hypospadias surgery. Whitaker RH, et al. **Ann R Coll Surg Engl** 1987 Mar;69(2):59-60

Prevention of prolapsed silicone stents in dacryocystorhinostomy surgery [letter] Jordan DR, et al. **Arch Ophthalmol** 1987 Apr;105(4):455

Cyanoacrylate-fixed silicone sleds in the orbit. An animal model. McFarland JE, et al. **Arch Ophthalmol** 1987 May; 105(5):704-8

Experimental studies on the use of a cushioned plate for internal fixation. Tomita N, et al. **Int Orthop** 1987; 11(2):135-9

[The use of silicone prostheses in comminutive fracture of the radial head] van Beek AJ, et al. **Ned Tijdschr Geneeskd** 1986 Oct 4;130(40):1797-800 (Eng. Abstr.) **(Dut)**

TOXICITY

[Improved biocompatibility of the newer alginate and silicone impression materials] Welker D, et al. **Zahn Mund Kieferheilkd** 1986;74(8):818-22 (Eng. Abstr.) **(Ger)**

SILICONE OILS

Long-term results of successful vitrectomy with silicone oil for advanced proliferative vitreoretinopathy. Sell CH, et al. **Am J Ophthalmol** 1987 Jan 15;103(1):24-8

Experimental transvitreal cyanoacrylate retinopexy through silicone oil. Sheta SM, et al. **Am J Ophthalmol** 1986 Dec 15;102(6):717-22

Effect of silicone oil viscosity on emulsification. Crisp A, et al. **Arch Ophthalmol** 1987 Apr;105(4):546-50

Management of recurrent retinal detachment after silicone oil injection. Case report. Sternberg P Jr, et al. **Arch Ophthalmol** 1987 Jan;105(1):27-8

Silicone oil with high specific gravity for intraocular use. Gabel VP, et al. **Br J Ophthalmol** 1987 Apr;71(4):262-7

Extended retinal tamponade in the treatment of retinal detachment with proliferative vitreoretinopathy. Stern WH, et al. **Br J Ophthalmol** 1986 Dec;70(12):911-7

Evaluation of liquid silicone oil in retinal detachments. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1985;214:131-8

Radical vitrectomy and silicone-oil injection in the treatment of proliferative vitreoretinopathy following retinal detachment. Stilma JS, et al. **Doc Ophthalmol** 1986 Dec 30;64(1):109-16

Peritoneal reaction to liquid silicone: an experimental study. Champion R, et al. **Graefes Arch Clin Exp Ophthalmol** 1987; 225(2):141-5

Analysis of intraocularly applied silicone oils of various origins. Gabel VP, et al. **Graefes Arch Clin Exp Ophthalmol** 1987;225(3):160-2

Use of fluorosilicone to unfold a giant retinal tear. Peyman GA, et al. **Int Ophthalmol** 1987 Jun;10(3):149-51

Mucus clearance by two-phase gas-liquid flow mechanism: asymmetric periodic flow model. Kim CS, et al. **J Appl Physiol** 1987 Mar;62(3):959-71

Usefulness and limit of silicone in management of complicated retinal detachment. Ando F. **Jpn J Ophthalmol** 1987;31(1):138-46

Results of silicone oil surgery. Laqua H, et al. **Jpn J Ophthalmol** 1987;31(1):124-31

[Technic and results of extensive retinotomies in retinal detachments with retino-viteous proliferation] Haut J, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:359-62 **(Fre)**

[Respective indications of different surgical technics for the treatment of retinal detachment via a macular hole] Larricart P, et al. **Bull Mem Soc Fr Ophtalmol** 1986; 97:363-6 **(Fre)**

[Silicone oil in the surgery of retinal detachment] Abellan P, et al. **Bull Soc Ophtalmol Fr** 1986 May;86(5):693-6 (Eng. Abstr.) **(Fre)**

[Internal tamponade using silicone oil in the treatment of retinal detachment] Chauvaud D. **J Fr Ophtalmol** 1986; 9(3):251-60 **(Fre)**

[Present status of internal tamponade of the retina. Internal tamponade] Haut J. **J Fr Ophtalmol** 1986;9(5):411-6 **(Fre)**

[Comparison of the effect of a Q-switched and a mode-locked laser based on gas development in silicone oil of various viscosities] Dölle W, et al. **Fortschr Ophthalmol** 1987;84(2):202-4 (Eng. Abstr.) **(Ger)**

[Animal experiment study of lens opacity in temporary silicone oil administration] Eckardt C. **Fortschr Ophthalmol** 1987;84(2):162-3 (Eng. Abstr.) **(Ger)**

[Long-term experience using an intraocular silicone oil filling] Lucke K, et al. **Fortschr Ophthalmol** 1987;84(1):96-8 (Eng. Abstr.) **(Ger)**

[Temporary silicone oil implantation following vitrectomy in proliferative diabetic retinopathy] Gnad H, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):388-90 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Ultrastructural characteristics of preretinal membranes from human eyes filled with silicone oil. Bornfeld N, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):770-5

Endophthalmitis in a silicone oil-filled eye. Chong LP, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):660-1

Effect of silicone oil on experimental traction retinal detachment. Lambrou FH, et al. **Arch Ophthalmol** 1987 Sep;105(9):1269-72

Basal iridectomy at 6 o'clock in the aphakic eye treated with silicone oil: prevention of keratopathy and secondary glaucoma. Beekhuis WH, et al. **Br J Ophthalmol** 1987 Mar; 71(3):197-200

Early anterior segment complications after silicone oil injection. Pang MP, et al. **Can J Ophthalmol** 1986 Dec; 21(7):271-5

Keratopathy following pars plana vitrectomy with silicone oil filling. Lemmen KD, et al. **Dev Ophthalmol** 1987; 13:88-98

Silicone oil released from disposable insulin syringes [letter] Chantelau E, et al. **Diabetes Care** 1986 Nov-Dec;9(6):672-3

Changing attitudes in United States to use of intravitreal silicone. Lean JS. **Jpn J Ophthalmol** 1987;31(1):132-7

Effect of intravitreal silicone oil on intraocular pressure. de Corral LR, et al. **Ophthalmic Surg** 1987 Jun;18(6):446-9

[Corneal complications caused by silicone oil and their treatment] De Molfetta V, et al. **Bull Mem Soc Fr Ophtalmol** 1986;97:198-200 **(Fre)**

[Value of lower iridotomy using the argon laser in the treatment of various complications of internal tamponade with silicone oil in the aphakic patient] Limon S, et al. **Bull Soc Ophtalmol Fr** 1986 Nov;86(11):1357-8 **(Fre)**

[Silicone oil in the anterior chamber of the aphakic eye: prevention and elimination of this complication] Petersen J. **Fortschr Ophthalmol** 1986;83(5):587-9 (Eng. Abstr.) **(Ger)**

[Late complications following silicone injection. Long-term follow-up of 100 cases] Dimopoulos S, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):223-7 (Eng. Abstr.) **(Ger)**

SILICONES

Learning hysteroscopy sterilization and the Ovabloc System with Hyskon. Loffer FD, et al. **Acta Eur Fertil** 1986 Nov-Dec;17(6):477-80

Silicone biliary stents. Iaccarino V, et al. **AJR** 1987 Apr; 148(4):741-3

Silicone bleed associated with double-lumen breast prostheses. Cocke WM Jr, et al. **Ann Plast Surg** 1987 Jun; 18(6):524-6

Cystosarcoma phylloides treated by excision and immediate reconstruction with silicon implant. Orenstein A, et al. **Ann Plast Surg** 1987 Jun;18(6):520-3

Silicone intraocular lenses during vitrectomy [letter] Glickman GM, et al. **Arch Ophthalmol** 1987 Sep; 105(9):1166

Evaluation of a new antithrombogenic polyurethane-polysiloxane complex biomaterial. Ohkubo N, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):193-7

PTFE-silicone self-sealing dialysis prosthesis. Schanzer H, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):297-9

Fibrinogen adsorption and platelet adhesion at the surface of modified polypropylene glycol/polysiloxane networks. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):379-85

Crosslinked polyether/polysiloxane networks for blood-interfacing applications. Pekala RW, et al. **Biomaterials** 1986 Sep;7(5):372-8

In vivo leucocyte interactions with the NHLBI-DTB primary reference materials: polyethylene and silica-free polydimethylsiloxane. Spilizewski KL, et al. **Biomaterials** 1987 Jan;8(1):12-7

Toxic catheters and diminished urethral blood circulation in the induction of urethral strictures. Talja M, et al. **Eur Urol** 1986;12(5):340-5

Polysiloxane vaginal rings and cylinders for physiologic endometrial priming in functionally agonadal women. Simon JA, et al. **Fertil Steril** 1986 Oct;46(4):619-25

Cranioplasty with a silicone prosthesis and split rib grafts. Chicarilli ZN, et al. **Head Neck Surg** 1986 May-Jun; 8(5):355-62

Establishing early pregnancy levels of serum progesterone in functionally agonadal women using polysiloxane vaginal rings and cylinders. Sauer MV, et al. **Hum Reprod** 1987 May;2(4):287-9

Silicone implants [letter] Balkin SW. **J Am Podiatr Med Assoc** 1987 Feb;77(2):104-5

Hydrophilic-hydrophobic microdomain surfaces having an ability to suppress platelet aggregation and their in vitro antithrombogenicity. Okano T, et al. **J Biomed Mater Res** 1986 Sep;20(7):919-27

Evaluation of the in vitro and ex vivo blood compatibility of primary reference materials. Pelzer H, et al. **J Biomed Mater Res** 1986 Nov-Dec;20(9):1401-9

Prevention of thrombosis of central venous catheters. Borow

M, et al. **J Cardiovasc Surg (Torino)** 1986 Sep–Oct; 27(5):571–4

Quantification of hydrogen gas released from polyvinylsiloxane impression materials in contact with die stone materials. McCrosson J, et al. **J Dent** 1987 Jun; 15(3):129–32

A silicone rubber spacer for processed resilient liner in removable prosthodontics. Bolouri A. **J Prosthet Dent** 1987 Jan;57(1):117–21

Use of polyvinyl siloxane as blockout material during indirect placement of overdenture attachments. Gerrow JD, et al. **J Prosthet Dent** 1986 Oct;56(4):510–2

Compatibility of type IV dental stones with polyvinyl siloxane impression materials. Schelb E, et al. **J Prosthet Dent** 1987 Jul;58(1):19–22

Macrocellular silicone foam for mechanically retaining orbital prostheses. Townend M, et al. **J Prosthet Dent** 1987 May;57(5):611–6

Urethane-lined silicone facial prostheses. Udagama A. **J Prosthet Dent** 1987 Sep;58(3):351–4

Absorbable gelatin film verses silicone rubber sheeting in orbital fracture treatment. Parkin JL, et al. **Laryngoscope** 1987 Jan;97(1):1–3

Macular hole-induced retinal detachment: treatment with an "armed-silicone" implant.Landolfo V, et al. **Ophthalmic Surg** 1986 Dec;17(12):810–2

Reduced bacterial adherence to silicone plastic neurosurgical prosthesis. Gower DJ, et al. **Pediatr Neurosci** 1985–86; 12(3):127–33

Contouring of a solid silicone block: a new use for the Shaw scalpel. Jackson IT, et al. **Plast Reconstr Surg** 1986 Oct; 78(4):528–9

Buried transverse abdominal myocutaneous flap and silicone implants to reconstruct pectus excavatum and bilateral mastectomy deformity. Rudolph R. **Plast Reconstr Surg** 1986 Dec;78(6):817–9

A new technique using a nasal cast for anterior rhinomanometry. Babatola FD, et al. **Rhinology** 1987 Jun; 25(2):109–15

Experiences with the silicone T-tube in man and dog. Edens ET, et al. **Vet Q** 1986 Oct;8(4):334–8

[Replacement of the head of the radius with a silicone endoprosthesis] Mowschowitsch IA, et al. **Beitr Orthop Traumatol** 1987 Mar;34(3):131–4 (Eng. Abstr.) (Ger)

[Experiences with the Molteno implant in secondary glaucoma] Grehn F, et al. **Fortschr Ophthalmol** 1986; 83(6):658–63 (Eng. Abstr.) (Ger)

[Clinical experiences using a silicone implant in glaucoma with a severely changed chamber angle] von Denffer H, et al. **Fortschr Ophthalmol** 1986;83(6):664–6 (Eng. Abstr.) (Ger)

[Animal experiment studies of an implant in glaucoma surgery] Wertheimer R, et al. **Fortschr Ophthalmol** 1986; 83(6):667–72 (Eng. Abstr.) (Ger)

[Silicone implant for surgery of therapy-refractory glaucomas] von Denffer H, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):176–7 (Eng. Abstr.) (Ger)

[Capsule fibrosis in silicone implants] Stock W, et al. **Langenbecks Arch Chir** 1986;369:303–8 (Eng. Abstr.) (Ger)

[Experiences with the intraocular silicon prosthesis as an alternative to enucleation in dogs and cats] Lettow E. **Tierarztl Prax** 1987;15(2):205–11 (Eng. Abstr.) (Ger)

[Esthetic correction of lower leg asymmetries, calf augmentation-plasty] Szalay L. **Z Orthop** 1987 Jan–Feb; 125(1):73–6 (Eng. Abstr.) (Ger)

[Experimental study of the cell response on the intraocular lens surface] Matoba M, et al. **Nippon Ganka Gakkai Zasshi** 1986 Nov;90(11):1333–40 (Eng. Abstr.) (Jpn)

[Results of the treatment of retinal detachment using episcleral silicone sponge implants] Hańczyc P, et al. **Klin Oczna** 1986 Apr;88(4):130–1 (Eng. Abstr.) (Pol)

ADMINISTRATION & DOSAGE

Evaluation in vitro and in vivo of dimethicone transdermal therapeutic systems. Influence of propylene glycol on drug release. Ritschel WA, et al. **Arzneimittelforschung** 1987 Mar;37(3):302–6

[Intravitreal injection of liquid silicone in the surgery of complicated retinal detachment] Karel I, et al. **Cesk Oftalmol** 1986 Sep;42(5):349–59 (Eng. Abstr.) (Cze)

[Internal plugging with total exchange with silicone oil] Calvet JM, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1089–90, 1092 (Fre)

[Vitrectomy–silicones by 2 or 3 approaches] Ruellan YM, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep;86(8–9):941–3 (Fre)

[Fluorosilicone oil heavier than water: a new aid in vitreoretinal surgery] Petersen J, et al. **Klin Monatsbl Augenheilkd** 1986 Sep;189(3):228–32 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Acute and latent pneumonitis after subcutaneous injections of silicone in transsexual men. Chastre J, et al. **Am Rev Respir Dis** 1987 Jan;135(1):236–40

Silicone oil with high specific gravity for intraocular use. Gabel VP, et al. **Br J Ophthalmol** 1987 Apr;71(4):262–7

Metabolic alkalosis and hypermagnesemia following "non-absorbable" antacid therapy.Agarwal BN, et al. **Del Med J** 1986 Aug;58(8):531–2

Silicone-induced hypercalcaemia in haemodialysis patients. Altmann P, et al. **Nephrol Dial Transplant** 1987;2(1):26–9

Ultrastructural study of initial calcification in the rat subcutaneous tissues elicited by a root canal filling material. Kawakami T, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):360–5

Destructive lesions of the mandibular condyle following diskectomy with temporary silicone implant. Westesson PL, et al. **Oral Surg Oral Med Oral Pathol** 1987 Feb; 63(2):143–50

[Prostheses and complications of silicones] Bricout N, et al. **Ann Chir Plast Esthet** 1986;31(3):268–71 (Eng. Abstr.) (Fre)

[Must we prohibit silicones?] Glicenstein J. **Ann Chir Plast Esthet** 1986;31(4):398 (Fre)

ANALYSIS

Determination of organosilicon oxide polymers in tissue by atomic absorption spectroscopy using HGA graphite furnace. Felby S. **Forensic Sci Int** 1986 Aug–Sep;32(1):61–5

Photo-properties of a silicon naphthalocyanine: a potential photosensitizer for photodynamic therapy. Firey PA, et al. **Photochem Photobiol** 1987 Apr;45(4):535–8

IMMUNOLOGY

Comparison of complement activation by silicone intraocular lenses and polymethylmethacrylate intraocular lenses with polypropylene loops. Mondino BJ, et al. **Arch Ophthalmol** 1987 Jul;105(7):989–90

PHARMACODYNAMICS

The effect of liquid silicone on the corneal endothelium in rabbits. A comparative specular microscopic and histopathologic study. Karel I, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(5):481–5

Comparison of the effect of polymethylmethacrylate and silicone intraocular lenses on rabbit corneal endothelium in vitro. Herzog WR, et al. **J Cataract Refract Surg** 1987 Jul;13(4):397–400

Contraction and relaxation of cultured mesangial cells on a silicone rubber surface. Singhal PC, et al. **Kidney Int** 1986 Dec;30(6):862–73

[The effect of dimethicone on the bioavailability of doxycycline] Bistue C, et al. **Therapie** 1987 Jan–Feb; 42(1):13–6 (Eng. Abstr.) (Fre)

[The effects of dimethicone on the bioavailability of cimetidine] Boismare F, et al. **Therapie** 1987 Jan–Feb; 42(1):9–11 (Eng. Abstr.) (Fre)

RADIATION EFFECTS

Effect of the Nd:YAG laser on polymethylmethacrylate, HEMA copolymer, and silicone intraocular materials. Keates RH, et al. **J Cataract Refract Surg** 1987 Jul; 13(4):401–9

THERAPEUTIC USE

Dimethicone for gastrointestinal symptoms? **Drug Ther Bull** 1986 Mar 24;24(6):21–2

Does dimethicone increase the efficacy of antacids in the treatment of reflux oesophagitis? Ogilvie AL, et al. **J R Soc Med** 1986 Oct;79(10):584–7

Non-endoscopic relief of oesophageal obstruction [letter] Campbell N, et al. **Lancet** 1986 Dec 13;2(8520):1405

Silicone in ophthalmic plastic and reconstructive surgery: a review and laboratory trial. Stewart WB, et al. **Ophthalmic Surg** 1978 Aug;9(4):92–101

Intravitreous silicone balloon: an experimental study. Tolentino FI, et al. **Ophthalmic Surg** 1978 Feb;9(1):73–80

SILICOSIS

BLOOD

Red blood cell anti-oxidant parameters in silicosis. Borm PJ, et al. **Int Arch Occup Environ Health** 1986;58(3):235–44

[Status of lipid peroxidation in patients with silicosis] Bezrukavnikova LM, et al. **Gig Tr Prof Zabol** 1987 Jun; (6):28–31 (Eng. Abstr.) (Rus)

COMPLICATIONS

Silicosis and risk of lung cancer or lung tuberculosis: a cohort study. Westerholm P, et al. **Environ Res** 1986 Oct; 41(1):339–50

Impotence in silicosis-associated scleroderma [letter] Barnadas MA, et al. **J Am Acad Dermatol** 1986 Dec; 15(6):1294–6

A patient with hereditary spherocytosis and silicosis who developed an IgA(lambda) monoclonal gammopathy. Fukata S, et al. **Jpn J Med** 1987 Feb;26(1):81–3

Relationship between silicosis and rheumatoid arthritis. Sluis-Cremer GK, et al. **Thorax** 1986 Aug;41(8):596–601

[Occurrence of silico-tuberculosis among foundry workers] Lander F, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):180–2 (Eng. Abstr.) (Dan)

[Bronchocytologic examination of siderosilicosis patients] Krivonos AP. **Vrach Delo** 1987 May;(5):102–4 (Eng. Abstr.) (Rus)

[Renal vasculitis, diffuse pulmonary hemorrhage and silicosis. Analysis of 2 cases] Pérez Pérez AJ, et al. **Med Clin (Barc)** 1986 Dec 13;87(20):858–60 (Eng. Abstr.) (Spa)

DRUG THERAPY

[Clinical observations on 24 silicotic patients treated with piperaquine phosphate for 10 years] Li QL, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Dec;9(6):350–1, 382–3 (Eng. Abstr.) (Chi)

[Action of dextran-modified hyaluronidase in experimental silicosis] Arkhipova OG, et al. **Biull Eksp Biol Med** 1987 Feb;103(2):221–3 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Angiotensin converting enzyme in sarcoidosis and in silicosis. Inoue Y, et al. **Clin Exp Hypertens [A]** 1987;9(2–3):481–5

Serum angiotensin converting enzyme activity in silicosis. Yano E, et al. **Ind Health** 1987;25(1):11–8

ACE monitoring in pneumoconiosis. Presentation of a case series and review of the literature. Barberis S, et al. **Panminerva Med** 1987 Apr–Jun;29(2):151–5

[Kinin aminopeptidase in lung tissue and activity of kininase II in the serum of patients with silicosis] Szechiński J. **Pol Tyg Lek** 1986 May 12;41(19):635–7 (Pol)

ETIOLOGY

Respiratory hazard from removal of ceramic fiber insulation from high temperature industrial furnaces. Gantner BA. **Am Ind Hyg Assoc J** 1986 Sep;47(9):530–4

An approach to the characterization of silica exposure in U.S. industry. Froines JR, et al. **Am J Ind Med** 1986; 10(4):345–61

Some peculiarities of the pulmonary phagocytotic response: dust retention kinetics and silicosis development during long term exposure of rats to high quartz dust levels. Privalova LI, et al. **Br J Ind Med** 1987 Apr;44(4):228–35

Some aspects of the problem of individual predisposition to silicosis. Katsnelson BA, et al. **Environ Health Perspect** 1986 Sep;68:175–85 (96 ref.)

Diffuse lung fibrosis due to fibrous zeolite (erionite) exposure. Baris YI, et al. **Eur J Respir Dis** 1987 Feb;70(2):122–5

Silica hazard of caisson construction in Hong Kong. Ng TP, et al. **J Soc Occup Med** 1987 Summer;37(2):62–5

Silicosis in the manufacture of scouring powder. Lee HS, et al. **Singapore Med J** 1986 Dec;27(6):496–506

Silicosis in barium miners. Seaton A, et al. **Thorax** 1986 Aug; 41(8):591–5

[Effect of cyclophosphamide on the morphology and function of alveolar macrophages in the development of silicosis] Lu TC, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Jun;15(2):114–8 (Eng. Abstr.) (Chi)

[Functional compromise of the small airways in subjects exposed to SiO2] Avolio G, et al. **Minerva Med** 1986 Nov 30;77(45–46):2183–5 (Eng. Abstr.) (Ita)

[Evaluation of the biological effect of polishing powders] Woźniak H, et al. **Med Pr** 1986;37(4):236–42 (Eng. Abstr.) (Pol)

[Fibrogenic activity of type Y zeolite and mordenite dusts] Fomina AS, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):17–9 (Eng. Abstr.) (Rus)

[Relation between the cytotoxic effect of silicosogenic dusts and intensified lipid peroxidation in macrophages] Kislitsina NS. **Gig Tr Prof Zabol** 1986 Sep;(9):12–6 (Eng. Abstr.) (Rus)

[Controlled regulation and the role of the humoral and cellular systems of immunity in the pathogenesis of silicosis] Petrova EV, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):24–7 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Alterations in lymphocyte subsets and serum immunoglobulin levels in patients with silicosis. Watanabe S, et al. **J Clin Lab Immunol** 1987 May;23(1):45–51

[Role of nonspecific immunologic stimulation with the products of macrophage destruction in the pathogenesis of silicosis] Privalova LI. **Gig Tr Prof Zabol** 1987 Feb; (2):22–6 (Eng. Abstr.) (Rus)

METABOLISM

Hyaluronic acid in bronchoalveolar lavage in rats exposed to quartz. Tornling G, et al. **Br J Ind Med** 1987 Jul; 44(7):443–5

Collagen crosslinking in lungs of rats with experimental silicosis. Reiser KM, et al. **Coll Relat Res** 1986 Oct; 6(4):313–23

Sulfated glycosaminoglycans in rat lung tissue during experimental silicotic fibrosis. Vilím V, et al. **Connect Tissue Res** 1987;16(1):27–40

Regulation of lung fibroblast proliferation and collagen synthesis by alveolar macrophages in experimental silicosis. I: Effect of macrophage conditioned medium from silica instilled rats. Benson SC, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec;7(1–2):87–97

The importance of liver in normal and silicotic lung-lipid homeostasis. 1. Phospholipids. Eskelson CD, et al. **J Environ Pathol Toxicol Oncol** 1986 May–Aug; 6(5–6):37–46

[Experimental silicosis. Analysis of collagen levels in the heart, spleen and liver of rats in experimental silicosis] Maciejewska A. **Med Pr** 1987;38(1):45–54 (Eng. Abstr.) **(Pol)**

[Changes in free radical reactions of lipid peroxidation in response to industrial aerosols of different levels of fibrogenicity] Bezrukavnikova LM, et al. **Gig Sanit** 1987 Mar;(3):80–1 **(Rus)**

MORTALITY

Mortality of workers compensated for silicosis during the period 1959–1963 in the Veneto region of Italy. Zambon P, et al. **Scand J Work Environ Health** 1987 Apr; 13(2):118–23

[Cancer mortality among Finnish workers with silicosis] Kurppa K, et al. **Gig Tr Prof Zabol** 1987 Mar;(3):34–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Silica, silicosis and lung cancer among ceramic workers: a case-referent study. Forastiere F, et al. **Am J Ind Med** 1986;10(4):363–70

Silica–dust–exposed mine workers with scleroderma (systemic sclerosis). Cowie RL. **Chest** 1987 Aug; 92(2):260–2

Silicosis in the iron–ore mine in Kiruna, Sweden, and the future need for silicosis control. Jörgensen HS. **Int Arch Occup Environ Health** 1986;58(4):251–7

The prevalence of silicosis in Orange Free State gold miners. Cowie RL, et al. **J Occup Med** 1987 Jan;29(1):44–6

[Analysis of tuberculosis complicating silicosis at 5 metal mines, Yunnan Province] Wei XZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):174–5, 191 (Eng. Abstr.) **(Chi)**

[Silicosis among workers engaged in the production of construction gravel] Finkel'berg EI, et al. **Gig Tr Prof Zabol** 1987 Jan;(1):44–5 **(Rus)**

[Medical and technologic aspects of the manifestation of silicosis in workers in the Prvomajska Foundry, Zagreb] Krpan A. **Arh Hig Rada Toksikol** 1985 Sep;36(3):263–8 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Inorganic particulates associated with pulmonary alveolar proteinosis: SEM and X–ray microanalysis results. Abraham JL, et al. **Appl Pathol** 1986;4(3):138–46

Formation of granulomas in liver of silica–treated rats. Kanta J, et al. **Br J Exp Pathol** 1986 Dec;67(6):889–99

Regulation of lung fibroblast proliferation and protein synthesis by bronchiolar lavage in experimental silicosis. Benson SC, et al. **Environ Res** 1986 Oct;41(1):61–78

Silicosis. Landrigan PJ. **State Art Rev Occup Med** 1987 Apr–Jun;2(2):319–26

[The kinetics of type II pneumocytes and alveolar macrophages in experimental silicosis] Si TR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):129–32, 188 (Eng. Abstr.) **(Chi)**

[The pathologic basis of egg–shell calcification of hilar and peritracheo–bronchial lymph nodes in silicosis] Xu YH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Oct;9(5):288–9, 319 (Eng. Abstr.) **(Chi)**

PREVENTION & CONTROL

The prophylactic use of polyvinylpyridine–N–oxide (PVNO) in baboons exposed to quartz dust. Goldstein B, et al. **Environ Res** 1987 Apr;42(2):469–81

Late aluminum therapy reduces the cellular activities of simple silicosis in the sheep model. Bégin R, et al. **J Leukocyte Biol** 1987 May;41(5):400–6

[Effect of reduced fat content of the diet of the rat and a single fat load on the lipopexic function of the lungs and the development of silicosis] Babushkina LG. **Vopr Pitan** 1987 Jan–Feb;(1):51–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT assessment of silicosis in exposed workers. Bégin R, et al. **AJR** 1987 Mar;148(3):509–14

[Computerized tomography in pneumologic evaluation] Blaha H. **Lebensversicherungsmedizin** 1986 Nov 1; 38(6):156–61 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Radioscintigraphic correlation in interstitial pneumopathy. Case presentations] Galietti F, et al. **Minerva Med** 1987 Apr 30;78(8):511–3 (Eng. Abstr.) **(Ita)**

URINE

[Behavior of urinary hydroxyproline and the effect of cigarette smoking in silicosis] Osaka F, et al. **Sangyo Igaku** 1986 May;28(3):181–8 (Eng. Abstr.) **(Jpn)**

SILICOTUBERCULOSIS

COMPLICATIONS

[Aspergillotic septic endocarditis of the mitral and trigeminal valves as a complication of silicotuberculosis] Vasin VA, et al. **Arkh Patol** 1987;49(1):50–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Comprehensive bronchologic examination of silicotuberculosis patients] Krivonos AP. **Probl Tuberk** 1986;(9):19–22 (Eng. Abstr.) **(Rus)**

[Errors in the diagnosis of silicotuberculosis] Tkach SI, et al. **Probl Tuberk** 1986;(12):41–3 (Eng. Abstr.) **(Rus)**

[Tuberculin tests in the diagnosis of siderosilicotuberculosis] Afonin AP, et al. **Vrach Delo** 1987 Jul;(7):88–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effect of levamisole on the immunologic reactivity and efficacy of treatment of patients with siderosilicotuberculosis] Afonin AP, et al. **Vrach Delo** 1987 Jan;(1):110–2 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Analysis of tuberculosis complicating silicosis at 5 metal mines, Yunnan Province] Wei XZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1986 Jun;9(3):174–5, 191 (Eng. Abstr.) **(Chi)**

SILKWORMS

Prothoracicotrophic hormone has an insulin–like tertiary structure. Jhoti H, et al. **FEBS Lett** 1987 Jul 27; 219(2):419–25

The protein subunits of the double–stranded RNA dependent RNA polymerase and methyltransferase of the cytoplasmic polyhedrosis virus of silkworm, Bombyx mori. Dai RM, et al. **Sci Sin [B]** 1986 Dec;29(12):1267–72

[A case of hypersensitivity pneumonitis relation to sericulture (sericulturist's lung disease)] Umegae Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):804–9 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Beta–1,3–glucan receptor and peptidoglycan receptor are present as separate entities within insect prophenoloxidase activating system. Yoshida H, et al. **Biochem Biophys Res Commun** 1986 Dec 30;141(3):1177–84

GENETICS

A single gene produces multiple sericin messenger RNAs in the silk gland of Bombyx mori. Michaille JJ, et al. **Biochimie** 1986 Oct–Nov;68(10–11):1165–73

Isolation of actin genes in Bombyx mori: the coding sequence of a cytoplasmic actin gene expressed in the silk gland is interrupted by a single intron in an unusual position. Mounier N, et al. **Biochimie** 1986 Sep;68(9):1053–61

Haemolymph control of sericin gene expression studied by organ transplantation. Hamada Y, et al. **Cell Differ** 1987 Jan;20(1):65–76

Transcriptional behavior of silkmoth chorion genes in vivo and in injected Xenopus laevis oocytes. Skeiky YA, et al. **J Biol Chem** 1987 May 15;262(14):6628–36

Gene regulation and evolution in the chorion locus of Bombyx mori. Structural and developmental characterization of four eggshell genes and their flanking DNA regions. Spoerel N, et al. **J Mol Biol** 1986 Jul 5; 190(1):23–35

The site–specific ribosomal insertion element type II of Bombyx mori (R2Bm) contains the coding sequence for a reverse transcriptase–like enzyme. Burke WD, et al. **Mol Cell Biol** 1987 Jun;7(6):2221–30

Structure of the Bombyx mori rDNA: initiation site for its transcription. Fujiwara H, et al. **Nucleic Acids Res** 1987 Feb 11;15(3):1245–58

Nucleotide sequence of the coding region of two actin genes in Bombyx mori. Mounier N, et al. **Nucleic Acids Res** 1987 Mar 25;15(6):2781

Tissue–specific transcription enhancement of the fibroin gene characterized by cell–free systems. Suzuki Y, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9522–6

IMMUNOLOGY

Carbohydrate–binding specificity of silkworm lectin. Kitagaki H, et al. **Carbohydr Res** 1986 Aug 15;151:271–8

METABOLISM

Starvation–induced alterations of ribosomal protein phosphorylation in Bombyx mori L. Evidence for different phosphorylation kinetics in free and membrane–bound ribosomes. Madjar JJ, et al. **Eur J Biochem** 1987 Mar 16; 163(3):577–82

PHYSIOLOGY

Further evidence for importance of the subunit combination of silk fibroin in its efficient secretion from the posterior silk gland cells. Takei F, et al. **J Cell Biol** 1987 Jul; 105(1):175–80

SILO FILLER'S DISEASE see under **LUNG DISEASES**

SILOXANES see under **SILICONES**

SILURID see **CATFISH**

SILVER

Modified method of silver staining of proteins in polyacrylamide gels. Wedrychowski A, et al. **Anal Biochem** 1986 Dec;159(2):323–8

Derivatization of ethylene dibromide with silica–supported silver picrate for improved high–performance liquid chromatographic detection. Colgan ST, et al. **Anal Chem** 1986 Oct;58(12):2366–72

Prevention of explosion of used ammoniacal silver solution [letter] Senba M. **Arch Pathol Lab Med** 1987 Jun;111(6):504

Influence of alloy composition on the hardening of silver–tin dental amalgam. Abbott JR, et al. **J Biomed Mater Res** 1986 Nov–Dec;20(9):1391–400

Mercury, silver, and gold inhibition of selenium–accelerated cysteine oxidation. Dillard CJ, et al. **J Inorg Biochem** 1986 Sep;28(1):13–20

Changes in physical and chemical properties of a dental palladium–silver alloy during metal–porcelain bonding. Payan J, et al. **J Oral Rehabil** 1986 Jul;13(4):329–38

Solid solubility of tin in silver–mercury gamma 1 in dental amalgams. Sarkar NK, et al. **J Oral Rehabil** 1986 Nov; 13(6):559–66

Dimensional stability of silver amalgam and composite used as core materials. Oliva RA, et al. **J Prosthet Dent** 1987 May;57(5):554–9

Reconstructive materials for endodontically treated teeth. Taleghani M, et al. **J Prosthet Dent** 1987 Apr;57(4):446–9

A sensitive urea–silver stain method for detecting trace quantities of separated proteins in polyacrylamide gels. Chaudhuri TR, et al. **Prep Biochem** 1987;17(1):93–9

Accelerated corrosion analysis of dental amalgams. Ravnholt G. **Scand J Dent Res** 1986 Dec;94(6):553–61

[A simple method of protein determination in polyacrylamide gel using silver staining] Grebinozhko EI, et al. **Ukr Biokhim Zh** 1986 Sep–Oct;58(5):62–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Silver nylon cloth: in vitro and in vivo evaluation of antimicrobial activity. Deitch EA, et al. **J Trauma** 1987 Mar;27(3):301–4

[Treatment of granulating wounds with a combination of silver salts and quaternary ammonium sprays] Bossotti M, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1211–4 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Potential nephrotoxic effects of exposure to silver. Rosenman KD, et al. **Br J Ind Med** 1987 Apr;44(4):267–72

[A case of cutaneous argyria] Serikova AZ, et al. **Ter Arkh** 1987;59(4):142–3 **(Rus)**

ANALYSIS

Time–dependent dissolution of amalgams into saline solution. Ferracane JL, et al. **J Dent Res** 1987 Aug;66(8):1331–5

Mechanism studies of coomassie blue and silver staining of proteins. de Moreno MR, et al. **J Pharm Sci** 1986 Sep; 75(9):907–11

Silver from Chernobyl [letter] van Dam H. **Nature** 1986 Nov 20–26;324(6094):216

[Interaction of immobilized DNA with silver ions] Kargov SI, et al. **Mol Biol (Mosk)** 1986 Nov–Dec;20(6):1499–505 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Aspiration cytology of a male breast carcinoma with argyrophilic cells [letter] Skoog L. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):379–81

Silver enhancement of lectin–gold and enzyme–gold cytochemical labelling of eggs of the nematode Onchocerca gibsoni. King TP, et al. **Histochem J** 1987 May;19(5):281–7

The use of gold–substituted silver–intensified diaminobenzidine (DAB) and non–intensified DAB for simultaneous electron microscopic immunoperoxidase labeling of tyrosine hydroxylase and glutamic acid decarboxylase immunoreactivity in the rat medial preoptic area. Görcs TJ, et al. **J Histochem Cytochem** 1986 Nov; 34(11):1439–47

Demonstration of spirochaetes in patients with Lyme disease with a modified silver stain. De Koning J, et al. **J Med Microbiol** 1987 May;23(3):261–7

Morphological characterization of brain cell cultures by controlled silver impregnation. Lascano EF, et al. **Medicina (B Aires)** 1987;47(1):20–6

Actinomycin D effects on termite chromosomes: induction of high resolution banding patterns with silver staining in mitotic stages. Fontana F, et al. **Stain Technol** 1986 Nov; 61(6):361–6

Effect of temperature on argyrophil impregnation: development of a high temperature rapid argyrophil procedure. Staples TC, et al. **Stain Technol** 1987 Jan; 62(1):41–9

Stabilization of silver chromate Golgi impregnation in rat central nervous system neurons using photographic developers. I. Light microscopy. Wouterlood FG. **Stain Technol** 1986 Nov;61(6):337–52

[Demonstration of viral proteins by silver staining] Anghel C, et al. **Virologie** 1986 Oct–Dec;37(4):237–45 (Eng. Abstr.) **(Fre)**

METABOLISM

Simultaneous ultrastructural demonstration of heavy metals (silver, mercury) and acid phosphatase. Thorlacius-Ussing O, et al. **Histochem J** 1986 Nov-Dec;18(11-12):639-46

Metal-catalyzed oxidation renders silver intensification selective. Applications for the histochemistry of diaminobenzidine and neurofibrillary changes. Gallyas F, et al. **J Histochem Cytochem** 1986 Dec;34(12):1667-72

The significance of argyrophilia in human breast carcinomas. McCutcheon J, et al. **Virchows Arch [A]** 1987;410(5):369-74

Argyrophil cells in normal endometrial glands. Satake T, et al. **Virchows Arch [A]** 1987;410(5):449-54

PHARMACODYNAMICS

Silver-coated nylon fiber as an antibacterial agent. MacKeen PC, et al. **Antimicrob Agents Chemother** 1987 Jan;31(1):93-9

Silver ions trigger Ca2+ release by interaction with the (Ca2+-Mg2+)-ATPase in reconstituted systems. Gould GW, et al. **J Biol Chem** 1987 Jun 5;262(16):7676-9

The effect of 110mAg on ceruloplasmin oxidase activity in rats. Bláha K Jr, et al.
J Hyg Epidemiol Microbiol Immunol 1987;31(1):39-43

Inhibitory and cidal antimicrobial actions of electrically generated silver ions. Hall RE, et al.
J Oral Maxillofac Surg 1987 Sep;45(9):779-84

Effects of extracellular calcium and calcium channel blocker on silver-induced contractures in frog skeletal muscle fibers. Oba T, et al. **Jpn J Physiol** 1987;37(1):125-35

Stabilization of silver chromate Golgi impregnation in rat central nervous system neurons using photographic developers. II. Electron microscopy. Wouterlood FG, et al. **Stain Technol** 1987 Jan;62(1):7-21

In vitro quantitative study of newly made antibacterial braided nylon sutures. Tsai WC, et al.
Surg Gynecol Obstet 1987 Sep;165(3):207-11

Silver-induced lipid peroxidation in mice: interactions with selenium and nickel. Rungby J. **Toxicology** 1987 Aug; 45(2):135-42

[Effect of silver compounds on viruses in water] Mahnel H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Jul; 182(4):381-92 (Eng. Abstr.) **(Ger)**

[Effect of silver preparations on the microflora regenerated from a condensate of atmospheric water vapor in a hermetically-sealed chamber] Shikina MI, et al.
Kosm Biol Aviakosm Med 1987 May-Jun;21(3):80-2 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Silver iontophoresis in chronic osteomyelitis. Satyanand, et al. **J Indian Med Assoc** 1986 May;84(5):134-6

[Use of katoxyn in neonatology] Gavinelli R, et al.
Minerva Pediatr 1987 Mar 31;39(5-6):211-4 (Eng. Abstr.) **(Ita)**

[Endobronchial use of silver ions with low-frequency ultrasound in chronic nonspecific diseases of the lungs] Kabanov AN, et al. **Sov Med** 1986;(11):66-9 **(Rus)**

TOXICITY

Silver affects viability and structure of cultured mouse peritoneal macrophages and peroxidative capacity of whole mouse liver. Rungby J, et al. **Arch Toxicol** 1987 Apr; 59(6):408-12

Experimental argyrosis: ultrastructural localization of silver in rat eye. Rungby J. **Exp Mol Pathol** 1986 Aug;45(1):22-30

A quantitative evaluation of the neurotoxic effect of silver on the volumes of the components of the developing rat hippocampus. Rungby J, et al. **Toxicology** 1987 Mar; 43(3):261-8

SILVER NITRATE

Use of silver staining (dieterlé's stain) in the diagnosis of cat scratch disease. Korbi S, et al. **Histopathology** 1986 Oct; 10(10):1015-21

An improved combined cholinesterase stain and silver impregnation method for quantitative analysis of innervation patterns in frog muscle. Diaz J, et al.
Stain Technol 1987 May;62(3):161-6

The effect of pH on silver staining of nucleolus organizer regions. Lomholt BE, et al. **Stain Technol** 1987 Mar; 62(2):101-5

[Silver impregnation of glial fibers in paraffin sections] Krutsay M. **Anat Anz** 1986;162(5):381-4 (Eng. Abstr.) **(Ger)**

[A new argyrophil reaction] Krutsay M.
Zentralbl Allg Pathol 1987;133(2):179-81 (Eng. Abstr.) **(Ger)**

[Advantages and disadvantages of silver staining of proteins in polyacrylamide gel] Morozov VA, et al.
Biull Eksp Biol Med 1986 Nov;102(11):620-3 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The use of silver nitrate-incorporated amniotic membrane as a temporary dressing. Haberal M, et al.
Burns Incl Therm Inj 1987 Apr;13(2):159-63

ADVERSE EFFECTS

Chelation of silver in argyria. Aaseth J, et al.
Acta Pharmacol Toxicol (Copenh) 1986;59 Suppl 7:471-4

Generalized argyrosis in man: neurotological, ultrastructural and X-ray microanalytical findings. Westhofen M, et al.
Arch Otorhinolaryngol 1986;243(4):260-4

Argyria: the intradermal "photograph," a manifestation of passive photosensitivity. Shelley WB, et al.
J Am Acad Dermatol 1987 Jan;16(1 Pt 2):211-7

DIAGNOSTIC USE

Advantage of Fontana-Masson stain in capsule-deficient cryptococcal infection. Ro JY, et al.
Arch Pathol Lab Med 1987 Jan;111(1):53-7

[Silver impregnation of astrocytes in paraffin sections] Krutsay M. **Zentralbl Allg Pathol** 1986;131(6):569-70 (Eng. Abstr.) **(Ger)**

POISONING

Ingestion of concentrated silver nitrate: a report of two cases. Rauber A, et al. **Vet Hum Toxicol** 1987 Aug;29(4):321-2

THERAPEUTIC USE

Prophylactic effects of silver nitrate and erythromycin on Chlamydia psittaci conjunctivitis. Sandstrom IK, et al.
Invest Ophthalmol Vis Sci 1987 Sep;28(9):1569-74

Silver nitrate irrigation for hematuria from sickle cell hemoglobinopathy. Bahnson RR. **J Urol** 1987 Jun; 137(6):1194-5

SILVER PROTEINS

Bodian's silver impregnation of endocrine cells. A tentative explanation to the staining mechanism. Scopsi L, et al.
Histochemistry 1986;86(1):59-62

A modified periodic acid-thiocarbohydrazide-silver proteinate staining sequence for enhanced contrast and resolution of glycogen depositions by transmission electron microscopy. Lo HK, et al. **J Histochem Cytochem** 1987 Mar;35(3):393-9

ADVERSE EFFECTS

Argyrosis of the lacrimal sac. Loeffler KU, et al.
Graefes Arch Clin Exp Ophthalmol 1987;225(2):146-50

ANALYSIS

Ultrastructural localization of Ag-NOR proteins in full-grown oocytes and preimplantation embryos of mice. Takeuchi IK, et al. **J Electron Microsc (Tokyo)** 1986; 35(3):280-7

SILVER SULFADIAZINE see under **SULFADIAZINE**

SILYMARIN see under **FLAVONES**

SIMAZINE see under **HERBICIDES, TRIAZINE**

SIMBU GROUP VIRUSES see under **BUNYAVIRIDAE**

SIMETHICONE see under **SILICONES**

SIMIAN SARCOMA VIRUSES see under **RETROVIRIDAE**

SIMIAN VIRUS 40 see **SV40 VIRUS**

SIMMONDS' DISEASE see **HYPOPITUITARISM**

SIMULIIDAE

Identity of the OP-insecticide resistant species in the Simulium sanctipauli subcomplex. Post RJ, et al.
Ann Soc Belg Med Trop 1987 Mar;67(1):71-3

Simulium dermatitis in man--clinical and biological features in South Africa. A case report. de Villiers PC.
S Afr Med J 1987 Apr 18;71(8):523-5

The effect of 7-8 years of vector control on the evolution of ocular onchocerciasis in West African savanna. Dadzie KY, et al. **Trop Med Parasitol** 1986 Sep;37(3):263-70

Entomological aspects and results of the Onchocerciasis Control Programme. Walsh JF, et al.
Trop Med Parasitol 1987 Mar;38(1):57-60

[The Simuliidae (Diptera, Nematocera) of Tunisia. II. Keys for the identification of species actually collected] Clergue-Gazeau M, et al. **Arch Inst Pasteur Tunis** 1986 Dec;63(4):601-37 (Eng. Abstr.) **(Fre)**

[Massive attacks by Simulium (Diptera) against animals and humans] Leclercq M. **Rev Med Liege** 1987 Apr 15; 42(8):327-34 **(Fre)**

[Distribution status and damage of black flies (Diptera: Simuliidae) in the Freising/Upper Bavaria area] Geiser R, et al. **DTW** 1986 Oct 8;93(9):405-9 (Eng. Abstr.) **(Ger)**

[Biological control of Culicidae and Simuliidae: bacterial insecticides] Ruas Neto AL, et al.
Rev Bras Malariol Doencas Trop 1985;37:61-75 (Eng. Abstr.) **(Por)**

ANATOMY & HISTOLOGY

Ultrastructure of the palpal bulb sensilla of the black fly Simulium arcticum (Diptera: Simuliidae). Sutcliffe JF, et al. **J Med Entomol** 1987 May;24(3):324-31

CLASSIFICATION

[New subspecies of black flies Chelocnetha angustitarsis zaporojae ssp. n. (Simuliidae) from the steppe zone of the Ukraine] Pavlichenko VI. **Parazitologiia** 1986 Nov-Dec; 20(6):484-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Identification of larval and adult Simulium yahense and Simulium sanctipauli based on species-specific enzyme markers and their distribution at different breeding habitats in Central Liberia. Fryauff DJ, et al.
Am J Trop Med Hyg 1986 Nov;35(6):1218-30

Characterization of Simulium (Edwardsellum) damnosum s.l. populations from six river systems in Kenya by cellulose acetate electrophoresis. Mebrahtu Y, et al.
Trans R Soc Trop Med Hyg 1986;80(6):914-22

GENETICS

Following movements of resistant populations of Simulium soubrense/sanctipauli (Diptera: Simuliidae) by means of chromosome inversions. Meredith SE, et al.
Trop Med Parasitol 1986 Sep;37(3):290-4

GROWTH & DEVELOPMENT

Rearing black flies (Diptera: Simuliidae) in the laboratory: bionomics and life table statistics for Simulium pictipes. Bernardo MJ, et al. **J Med Entomol** 1986 Dec 4;23(6):680-4

Short-term maintenance system for black fly larvae (Diptera: Simuliidae). Lacoursière JO, et al. **J Med Entomol** 1987 Jul;24(4):463-6

PARASITOLOGY

Quantitative studies of onchocerciasis transmission by Simulium yahense and Simulium sanctipauli in the Firestone Rubber Plantation at Harbel, Liberia. Fryauff DJ, et al. **Am J Trop Med Hyg** 1987 May;36(3):561-72

Human onchocerciasis foci and vectors in the American tropics and subtropics. Ramírez Pérez J.
Bull Pan Am Health Organ 1986;20(4):381-402

Some unsolved problems in the epidemiology of onchocerciasis. Southgate BA. **Ciba Found Symp** 1987; 127:32-45 (30 ref.)

Onchocerciasis in Sudan: the distribution of the disease and its vectors. Baker RH, et al. **Trop Med Parasitol** 1986 Dec; 37(4):341-55 (93 ref.)

Failure of Onchocerca gutturosa to develop in Simulium soubrense and Simulium yahense from Liberia. Ham PJ, et al. **Trop Med Parasitol** 1987 Jun;38(2):135-6

PHYSIOLOGY

Rearing black flies (Diptera: Simuliidae) in the laboratory: mass-scale in vitro membrane feeding and its application to collection of saliva and to parasitological and repellent studies. Bernardo MJ, et al. **J Med Entomol** 1986 Dec 4; 23(6):666-79

Fecundities of different members of the Simulium damnosum species complex in Togo [letter] Cheke RA, et al.
Trans R Soc Trop Med Hyg 1986;80(3):489-90

Nigerian blood-fed blackflies (Diptera. Simuliidae) caught in flight: relative activity and host preferences. Roberts DM, et al. **Trop Med Parasitol** 1987 Mar;38(1):23-6

Artificial feeding of west African Simulium damnosum Theobald s.l. (Diptera: Simuliidae) on man, domestic mammals and birds. Wirtz HP, et al.
Trop Med Parasitol 1986 Dec;37(4):385-9

Does retinol serve a sensitizing function in insect photoreceptors? Kirschfeld K, et al. **Vision Res** 1986; 26(11):1771-7

SIMULIUM see **SIMULIIDAE**

SIN-10 see **MOLSIDOMINE**

SINCALIDE

Conformational analysis of the cholecystokinin C-terminal octapeptide: a nuclear magnetic resonance and computer-simulation approach. Loomis RE, et al.
Biochim Biophys Acta 1987 Jan 30;911(2):168-79

ADMINISTRATION & DOSAGE

Infusion of CCK-8 into hepatic-portal vein fails to reduce food intake in rats. Greenberg D, et al. **Am J Physiol** 1987 May;252(5 Pt 2):R1015-8

Combined injection potentiates the satiety effects of pancreatic glucagon, cholecystokinin, and bombesin. Hinton V, et al. **Brain Res Bull** 1986 Nov;17(5):615-9

ANALOGS & DERIVATIVES

Inhibition of electroshock-induced seizures by cholecystokinin-related peptides in mice. Kádár T, et al.
Acta Physiol Hung 1987;69(1):43-50

Intracranial infusion of CCK-8 derivatives suppresses food intake in rats. Mori T, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):R718-23

Primary defect of congenital dyserythropoietic anemia type II. Failure in glycosylation of erythrocyte lactosaminoglycan proteins caused by lowered N-acetylglucosaminyltransferase II. Fukuda MN, et al.

J Biol Chem 1987 May 25;262(15):7195–206

A synthetic peptide derivative that is a cholecystokinin receptor antagonist. Lignon MF, et al. **J Biol Chem** 1987 May 25;262(15):7226–31

Investigation of peripheral cholecystokinin receptor heterogeneity by cyclic and related linear analogues of CCK26–33: synthesis and biological properties. Charpentier B, et al. **J Med Chem** 1987 Jun;30(6):962–8

Synthesis and biological evaluation of N alpha–hydroxysulfonyl–[Nle28,31]–CCK26–33. Sugg EE, et al. **Life Sci** 1986 Nov 3;39(18):1623–9

Intrathecal cholecystokinin interacts with morphine but not substance P in modulating the nociceptive flexion reflex in the rat. Wiesenfeld–Hallin Z, et al. **Peptides** 1987 Jan–Feb;8(1):153–8

ANALYSIS

Unexpectedly high levels of opioid peptides in rat brain membranes. Rothman RB, et al. **Peptides** 1987 Jul–Aug; 8(4):645–9

ANTAGONISTS & INHIBITORS

A new simple mouse model for the in vivo evaluation of cholecystokinin (CCK) antagonists: comparative potencies and durations of action of nonpeptide antagonists. Lotti VJ, et al. **Life Sci** 1986 Nov 3;39(18):1631–8

Different peripheral and central antagonistic activity of new glutaramic acid derivatives on satiety induced by cholecystokinin in rats. Makovec F, et al. **Regul Pept** 1986 Dec 30;16(3–4):281–90

CEREBROSPINAL FLUID

Increased cerebrospinal fluid concentrations of C– but not N–terminal cholecystokinin fragments in multiple sclerosis. Bryld E, et al. **Brain Res** 1987 Apr 21;409(2):364–6

ISOLATION & PURIFICATION

CCK–5: sequence analysis of a small cholecystokinin from canine brain and intestine. Shively J, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G272–5

Cholecystokinin octapeptides purified from chinchilla and chicken brains. Fan ZW, et al. **Brain Res Bull** 1987 Jun; 18(6):757–60

METABOLISM

Binding of 125I–cholecystokinin–octapeptide in the paraventricular but not the supraoptic nucleus is increased by ovariectomy. Akesson TR, et al. **Brain Res** 1986 Oct 15;385(1):165–8

Cholecystokinin–like immunoreactivity occurs in ocular sensory neurons and partially co–localizes with substance P. Kuwayama Y, et al. **Brain Res** 1986 Sep 3;381(2):266–74

Synaptic connections of cholecystokinin–immunoreactive neurons and terminals in the rat fascia dentata: a combined light and electron microscopic study. Leranth C, et al. **J Comp Neurol** 1986 Dec 1;254(1):51–64

Characterization of [3H]cholecystokinin octapeptide binding to mouse brain synaptosomes: effects of neuroleptics. Hama Y, et al. **Neurochem Res** 1987 Aug;12(8):729–37

Estrous cyclicity of 125I–cholecystokinin octapeptide binding in the ventromedial hypothalamic nucleus. Evidence for downmodulation by estrogen. Akesson TR, et al. **Neuroendocrinology** 1987 Apr;45(4):257–62

Increased brain levels of cholecystokinin octapeptide after kainic acid–induced seizures in the rat. Meyer DK, et al. **Neurosci Lett** 1986 Aug 29;69(2):208–11

The nuclei of origin of brainstem enkephalin and cholecystokinin projections to the spinal trigeminal nucleus of the rat. Beitz AJ, et al. **Neuroscience** 1987 Feb; 20(2):409–25

A quantitative light microscopic analysis and ultrastructural description of cholecystokinin–like immunoreactivity in the spinal trigeminal nucleus of the rat. Clements JR, et al. **Neuroscience** 1987 Feb;20(2):427–38

Immunohistochemical evidence for a spinothalamic pathway co–containing cholecystokinin– and galanin–like immunoreactivities in the rat. Ju G, et al. **Neuroscience** 1987 Feb;20(2):439–56

Distribution of [3H]cholecystokinin octapeptide binding sites in the hippocampal region of the rat brain as shown by in vitro receptor autoradiography. Köhler C, et al. **Neuroscience** 1987 Jun;21(3):857–67

Carotid ligation alters cholecystokinin–8 (CCK–8) immunoreactivity in gerbil brains. Xu C, et al. **Peptides** 1986 Nov–Dec;7(6):973–6

High affinity binding of cholecystokinin to small cell lung cancer cells. Yoder DG, et al. **Peptides** 1987 Jan–Feb; 8(1):103–7

On the biologically active structures of cholecystokinin, little gastrin, and enkephalin in the gastrointestinal system. Pincus MR, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4821–5

PHARMACODYNAMICS

Sensitivities of human jejunum, ileum, proximal colon, and gallbladder to cholecystokinin octapeptide. Kellow JE, et al. **Am J Physiol** 1987 Mar;252(3 Pt 1):G345–56

Effects of cholecystokinin–octapeptide on gastric motility of anesthetized dogs. Kuwahara A, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):G678–81

Effects of bethanechol and the octapeptide of cholecystokinin on colonic smooth muscle in the cat. Snape WJ Jr, et al. **Am J Physiol** 1987 May;252(5 Pt 1):G654–61

Role of sulfate ester in influencing biologic activity of cholecystokinin–related peptides. Vinayek R, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):G178–81

Evidence for dual modulation of pepsinogen secretion using isoproterenol, carbachol, CCK–8, forskolin, 8 bromo–cAMP, and A23187 probes. Ballantyne GH, et al. **Ann Surg** 1986 Nov;204(5):559–65

Altered responding to cholecystokinins and dopaminergic agonists following 6–hydroxydopamine treatment in rats. Hsiao S, et al. **Behav Neurosci** 1985 Oct;99(5):853–60

Regulation of free cytosolic Ca2+ in the isolated guinea pig gastric chief cells. Sakamoto C, et al. **Biochem Biophys Res Commun** 1987 Feb 13;142(3):865–71

Calcium concentration and amylase secretion in guinea pig pancreatic acini: interactions between carbachol, cholecystokinin octapeptide and the phorbol ester, 12–O–tetradecanoylphorbol 13–acetate. Ansah TA, et al. **Biochim Biophys Acta** 1986 Dec 19;889(3):326–33

The cholecystokinin–induced Ca2+ shuttle from the inositol trisphosphate–sensitive and ATP–dependent pool, and initial pepsinogen release connected with cytoskeleton of the chief cell. Tsunoda Y. **Biochim Biophys Acta** 1987 Jul 10;901(1):35–51

Phorbol ester inhibits cholecystokinin octapeptide–induced amylase secretion and calcium mobilization, but is without effect on secretagogue–induced hydrolysis of phosphatidylinositol 4,5–bisphosphate in rabbit pancreatic acini. Willems PH, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):230–6

Renal effects of gastrin C–terminal tetrapeptide (as pentagastrin) and cholecystokinin octapeptide in conscious rabbit and man. Calam J, et al. **Br J Pharmacol** 1987 Jun; 91(2):307–14

Effect of desamino–cholecystokinin–octapeptide (CCK–7) on the intraluminal pressure and myoelectrical activity of the gall–bladder, stomach, and small intestine in conscious dogs. Milenov E, et al. **Br J Pharmacol** 1983 Dec; 80(4):681–9

Activity of A9 and A10 dopaminergic neurons in unrestrained rats: further characterization and effects of apomorphine and cholecystokinin. Freeman AS, et al. **Brain Res** 1987 Mar 3;405(1):46–55

The effects of cholecystokinin and cholecystokinin antagonists on synaptic function in the CA1 region of the rat hippocampal slice. Jaffe DB, et al. **Brain Res** 1987 Jul 7;415(1):197–203

Exogenous cholecystokinin (CCK) reduces neonatal rat brain opioid receptor density and CCK levels. Johnson FE, et al. **Brain Res** 1987 Mar;429(1):139–46

In vivo electrochemical analysis of cholecystokinin–induced inhibition of dopamine release in the nucleus accumbens. Lane RF, et al. **Brain Res** 1986 Nov 5;397(1):200–4

Inhibition of synaptic transmission in the hippocampus by cholecystokinin (CCK) and its antagonism by a CCK analog (CCK27–33). MacVicar BA, et al. **Brain Res** 1987 Mar 17;406(1–2):130–5

Obese male mice (ob/ob) are normally sensitive to the satiating effect of CCK–8. Strohmayer AJ, et al. **Brain Res Bull** 1986 Oct;17(4):571–3

Behavioral effect of cholecystokinin octapeptide in vagotomized rats. Itoh S, et al. **Can J Physiol Pharmacol** 1986 Jun;64(6):745–7

The influence of cholecystokinin octapeptide and angiotensin II on in vitro duodenal motility in hibernating and aroused 13–lined ground squirrels. Weekley B, et al. **Cryobiology** 1986 Oct;23(5):447–52

Evidence that cholecystokinin octapeptide (CCK–8) acts as a potent, full agonist on gastrin receptors for acid secretion in the isolated mouse stomach: lack of antagonism by the specific CCK antagonist asperlicin. Lotti VJ, et al. **Digestion** 1986;35(3):170–4

Effects of cholecystokinin, food intake and cephalic stimuli on plasma levels of amylase, lipase, and immunoreactive cationic trypsinogen in rats. Tsukamoto H, et al. **Digestion** 1986;35(2):69–77

Intracerebroventricular injection of cholecystokinin octapeptide elevates plasma prolactin levels through stimulation of vasoactive intestinal polypeptide. Tanimoto K, et al. **Endocrinology** 1987 Jul;121(1):127–32

Cholecystokinin octapeptide activates an opioid mechanism in the guinea–pig ileum: a possible role for substance P. Garzón J, et al. **Eur J Pharmacol** 1987 Apr 29;136(3):361–70

Opposite effects of sulfated cholecystokinin on DA–sensitive adenylate cyclase in two areas of the rat nucleus accumbens. Studler JM, et al. **Eur J Pharmacol** 1986 Jul 15;126(1–2):125–8

Differences between muscular receptors and neural receptors for cholecystokinin–octapeptide in the guinea–pig gallbladder. Takahashi T, et al. **Eur J Pharmacol** 1987 Apr 14;136(2):255–8

CCK–8 elicits grooming: cross tolerance to ACTH1–24. Kulkosky PJ, et al. **Exp Neurol** 1987 Sep;97(3):697–703

Dual action of cholecystokinin–octapeptide on the guinea pig antrum. Kantoh M, et al. **Gastroenterology** 1987 Feb; 92(2):376–82

Stimulus–secretion coupling in the developing exocrine pancreas: secretory responsiveness to cholecystokinin. Chang A, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2353–65

Evidence that intracisternal injections of cholecystokinin–8 counteracts the cardiovascular effects of intracisternally injected adrenaline and neuropeptide Y in the alpha–chloralose anaesthetized rat. Hårfstrand A, et al. **J Hypertens [Suppl]** 1986 Dec;4(6):S251–3

Effects of kappa opiate agonists, cholecystokinin and bombesin on intake of diets varying in carbohydrate–to–fat ratio in rats. Romsos DR, et al. **J Nutr** 1987 May; 117(5):976–85

Effect of cholecystokinin–octapeptide on total parenteral nutrition–induced changes in hepatic bile secretion and composition in the rat. Innis SM. **J Pediatr Gastroenterol Nutr** 1986 Sep–Oct;5(5):793–8

Action of cholecystokinin octapeptide and CCK–related peptides on neurons in inferior mesenteric ganglion of guinea pig. Schumann MA, et al. **J Pharmacol Exp Ther** 1986 Nov;239(2):618–25

Effects of cholecystokinin tetra and octa peptides on locomotor activity in mice. Takeda Y, et al. **Jpn J Pharmacol** 1986 Sep;42(1):145–9

Mode of action of cholecystokinin octapeptide on smooth muscles of stomach, ileum and gall bladder. Rakovska A, et al. **Methods Find Exp Clin Pharmacol** 1986 Dec; 8(12):697–703

Effects of pre– and postnatal cholecystokinin treatment on brain development in rats. Telegdy G, et al. **Monogr Neural Sci** 1986;12:153–60

Cholecystokinin induces a decrease in Ca2+ current in snail neurons that appears to be mediated by protein kinase C. Hammond C, et al. **Nature** 1987 Feb 26–Mar 4; 325(6107):809–11

A behavioral pharmacological study on CCK–8 related peptides in mice. Moroji T, et al. **Neuropeptides** 1986 Oct; 8(3):273–86

Antinociceptive profile of sulfated CCK–8. Comparison with CCK–4, unsulfated CCK–8 and other neuropeptides. Barbaz BS, et al. **Neuropharmacology** 1986 Aug;25(8):823–9

Antinociceptive action of cholecystokinin octapeptide (CCK 8) and related peptides in rats and mice: effects of naloxone and peptidase inhibitors. Hill RG, et al. **Neuropharmacology** 1987 Apr;26(4):289–300

Cholecystokinin–octapeptide–induced hypothermia in rats: dose–effect and structure–effect relationships, effect of ambient temperature, pharmacological interactions and tolerance. Kapás L, et al. **Neuropharmacology** 1987 Feb–Mar;26(2–3):131–7

Behavioral evidence for the involvement of endogenous opioids in the interaction between cholecystokinin and brain dopamine systems. Király I, et al. **Neurosci Lett** 1987 Mar 9;74(3):343–7

Cerebroventricular infusion of cholecystokinin (CCK–8) restores REM sleep in parachlorophenylalanine (PCPA)–pretreated cats. Prospéro–García O, et al. **Neurosci Lett** 1987 Jul 22;78(2):205–10

Cholecystokinin octapeptide (CCK–8): antagonism to electroacupuncture analgesia and a possible role in electroacupuncture tolerance. Han JS, et al. **Pain** 1986 Oct; 27(1):101–15

CR–1409: a potent inhibitor of cholecystokinin–stimulated amylase release and cholecystokinin binding in rat pancreatic acini. Iwamoto Y, et al. **Pancreas** 1987; 2(1):85–90

Translational control of protein synthesis in isolated pancreatic acini: role of CCK8, carbachol, and insulin. Lahaie RG. **Pancreas** 1986;1(5):403–10

GIP potentiates CCK stimulated pancreatic enzyme secretion: correlation of anatomical structures with the effects of GIP and CCK on amylase secretion. Mueller MK, et al. **Pancreas** 1987;2(1):106–13

Release of individual enzymes from guinea pig pancreas following stimulation with CCK–8 or CCK–33. Padfield PJ, et al. **Pancreas** 1987;2(4):439–46

Photoperiod–peptide interactions in the energy intake of Siberian hamsters. Bartness TJ, et al. **Peptides** 1986 Nov–Dec;7(6):1079–85

Cholecystokinin octapeptide, proglumide, and passive avoidance in rats. Deupree D, et al. **Peptides** 1987 Jan–Feb; 8(1):25–8

Effect of CCK–8 on basal and meal–stimulated somatostatin in the baboon. Figlewicz DP, et al. **Peptides** 1986 Sep–Oct; 7(5):771–4

CCK–8 stimulation of ventromedial hypothalamic neurons in vitro: a feeding–relevant event? Kow LM, et al. **Peptides** 1986 May–Jun;7(3):473–9

Relative bioactivities of cholecystokinins–8 and –33 on rat pancreatic acini. Liddle RA, et al. **Peptides** 1986 Sep–Oct; 7(5):723–7

The effect of peripheral administration of peptides on food intake, glucose and insulin in wolf pups. Morley JE, et al. **Peptides** 1986 Nov–Dec;7(6):969–72

Pharmacological examination of cholecystokinin (CCK–8)–induced contractile activity in the rat isolated pylorus. Murphy RB, et al. **Peptides** 1987 Jan–Feb; 8(1):127–34

Cholecystokinin–induced suppression of locomotion is attenuated in capsaicin pretreated rats. Ritter RC, et al. **Peptides** 1986 Jul–Aug;7(4):587–90

The role of cholecystokinin octapeptide in the central control of food intake in the dog. Sakatani N, et al. **Peptides** 1987 Jul–Aug;8(4):651–6

Cholecystokinin, behavioral tolerance and tumor–induced anorexia. Sleeman M, et al. **Peptides** 1987 Mar–Apr; 8(2):223–6

The effect of cholecystokinin, bombesin and calcitonin on food intake in virgin, lactating and postweaning female rats. Wager-Srdar SA, et al. **Peptides** 1986 Sep-Oct;7(5):729-34

Cholecystokinin antagonizes morphine induced hypoactivity and hyperactivity in hamsters. Schnur P, et al. **Pharmacol Biochem Behav** 1986 Nov;25(5):1067-70

Lesions of the area postrema and underlying solitary nucleus fail to attenuate the inhibition of feeding produced by systemic injections of cholecystokinin in Syrian hamsters. Miceli MO, et al. **Physiol Behav** 1986;38(6):855-60

The effect of cholecystokinin on food intake in gonadectomized and intact rats: the influence of sex hormones. Wager-Srdar SA, et al. **Physiol Behav** 1987; 40(1):25-8

Infusion of cholecystokinin between meals into free-feeding rats fails to prolong the intermeal interval. West DB, et al. **Physiol Behav** 1987;39(1):111-5

Cholecystokinin-induced inhibition of dopamine neurotransmission: comparison with chronic haloperidol treatment. Lane RF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1987; 11(2-3):291-9

Significance of Ca2+, Rb+ fluxes, of cAMP and cGMP for the CCK8-modulated insulin release. Verspohl EJ, et al. **Regul Pept** 1987 Apr;17(4):229-41

Modulation of memory processing by cholecystokinin: dependence on the vagus nerve. Flood JF, et al. **Science** 1987 May 15;236(4803):832-4

[Blockade of morphine analgesia by intracerebroventricular or subarachnoid injections of cholecystokinin in rats] Ding XZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Dec; 6(4):241-4 (Eng. Abstr.) **(Chi)**

[CCK and carbachol differently modulate somatostatin binding to rat pancreatic acinar membranes] Sakamoto C, et al. **Nippon Naibunpi Gakkai Zasshi** 1986 Jul 20; 62(7):818-26 (Eng. Abstr.) **(Jpn)**

[Effect of cholecystokinin octapeptide (CCK-8) and bombesin on thyrotropin release from the rat pituitary gland in vitro] Krowicki Z, et al. **Endokrynol Pol** 1986; 37(4):171-8 (Eng. Abstr.) **(Pol)**

[Spike activity of neurons of the ventromedial hypothalamus of the rabbit in response to cholecystokinin application to the cornea] Lutsik NV, et al. **Fiziol Zh SSSR** 1986 Nov; 72(11):1493-6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Reversal of tolerance to morphine but no potentiation of morphine-induced analgesia by antiserum against cholecystokinin octapeptide. Ding XZ, et al. **Neuropharmacology** 1986 Oct;25(10):1155-60

THERAPEUTIC USE

Naloxone but not CCK-8 may attenuate binge-eating behavior in patients with the bulimia syndrome. Mitchell JE, et al. **Biol Psychiatry** 1986 Dec;21(14):1399-406

Caerulein and cholecystokinin reverse experimental hemorrhagic shock. Bertolini A, et al. **Neuropeptides** 1986 Jul;8(1):25-31

Double blind controlled trials of cholecystokinin octapeptide in neuroleptic-refractory schizophrenia. Peselow E, et al. **Psychopharmacology (Berlin)** 1987;91(1):80-4

[Protection against streptozotocin-induced diabetes by cholecystokinin-octapeptide in mice] Zhu WY, et al. **Sheng Li Hsueh Pao** 1985 Dec;37(6):539-44 (Eng. Abstr.) **(Chi)**

SINCALIDE RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

SINDBIS VIRUS

ANALYSIS

Topological organization of Sindbis virus capsid protein in isolated nucleocapsids. Coombs K, et al. **Virus Res** 1987 Apr;7(2):131-49

DRUG EFFECTS

Alphavirus replication in cultured cells and infected animals is inhibited by antiproteinase agents. Zhirnov OP, et al. **Antiviral Res** 1986 Aug;6(5):255-65

Sindbis virus mutants resistant to mycophenolic acid and ribavirin. Scheidel LM, et al. **Virology** 1987 May;158(1):1-7

GENETICS

Engineered defective interfering RNAs of Sindbis virus express bacterial chloramphenicol acetyltransferase in avian cells. Levis R, et al. **Proc Natl Acad Sci USA** 1987 Jul; 84(14):4811-5

Dominance of the CPE(+) phenotype in hybrid Aedes albopictus cells infected with Sindbis virus. Tatem J, et al. **Virus Res** 1986 Aug;5(2-3):121-30

GROWTH & DEVELOPMENT

Regional distribution of Sindbis virus glycoproteins on the plasma membrane of infected baby hamster kidney cells. Pavan A, et al. **Exp Cell Res** 1987 Jan;168(1):53-62

IMMUNOLOGY

Passive protection across subgroups of alphaviruses by hyperimmune non-cross-neutralizing anti-Sindbis serum. Wust CJ, et al. **Proc Soc Exp Biol Med** 1987 Jan; 184(1):56-63

ISOLATION & PURIFICATION

The pathogenesis of spinal cord involvement in the encephalomyelitis of mice caused by neuroadapted Sindbis virus infection. Jackson AC, et al. **Lab Invest** 1987 Apr; 56(4):418-23

Experimental assessment of the vector competence of Culex (Culex) neavei Theobald with West Nile and Sindbis viruses in South Africa. Jupp PG, et al. **Trans R Soc Trop Med Hyg** 1986;80(2):226-30

PHYSIOLOGY

Approaches to the study of vector specificity for arboviruses—model systems using cultured mosquito cells. Stollar V. **Adv Virus Res** 1987;33:327-65 (40 ref.)

Fusion of Sindbis virus with model membranes containing phosphatidylethanolamine: implications for protein-induced membrane fusion. Scheule RK. **Biochim Biophys Acta** 1987 May 29;899(2):185-95

Sindbis virus infection increases hexose transport in quiescent cells. Garry RF, et al. **Virology** 1986 Dec;155(2):378-91

[Mechanism of action of remantadine hydrochloride on Sindbis virus reproduction: inhibition of virus penetration into the cell] Zhiravetskii MM, et al. **Vopr Med Khim** 1986 Nov-Dec;32(6):118-20 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Novel preparation of functional Sindbis virosomes. Scheule RK. **Biochemistry** 1986 Jul 29;25(15):4223-32

The T=4 envelope of Sindbis virus is organized by interactions with a complementary T=3 capsid. Fuller SD. **Cell** 1987 Mar 27;48(6):923-34

Is Sindbis a simple picornavirus with an envelope? Fuller SD, et al. **EMBO J** 1987 Apr;6(4):1099-105

SINGLE PERSON

Widowhood and mortality in an Armenian church parish in Lebanon. Armenian HK, et al. **Am J Epidemiol** 1987 Jan;125(1):127-32

Mortality after bereavement: a prospective study of 95,647 widowed persons. Kaprio J, et al. **Am J Public Health** 1987 Mar;77(3):283-7

Marital disruption and poverty: the role of survey procedures in artificially creating poverty. Burkhauser R, et al. **Demography** 1986 Nov;23(4):621-31

Unmarried at delivery. II. Perinatal morbidity and mortality. Golding J, et al. **Early Hum Dev** 1986 Dec;14(3-4):217-27

Unmarried at delivery. I. The mothers and their care. Henriques J, et al. **Early Hum Dev** 1986 Dec;14(3-4):201-16

The financial experience of widowed women: evidence from the LRHS. Morgan LA. **Gerontologist** 1986 Dec; 26(6):663-8

Immediate and delayed effects of widowhood on poverty: patterns from the 1970s. Zick CD, et al. **Gerontologist** 1986 Dec;26(6):669-75

Widowhood, sex, labor force participation, and the use of physician services by elderly adults. Homan SM, et al. **J Gerontol** 1986 Nov;41(6):793-6

The Warnock Report and single women: what about the children? Golombok S, et al. **J Med Ethics** 1986 Dec; 12(4):182-6

Aged living alone: health and resources. Magaziner J, et al. **Md Med J** 1986 Nov;35(11):905-9

Sensitivity to infant development and behavior: a comparison of adolescent and adult single mothers. Becker PT. **Res Nurs Health** 1987 Jun;10(3):119-27

Mortality after bereavement: a review of the literature on survival periods and factors affecting survival. Bowling A. **Soc Sci Med** 1987;24(2):117-24 (57 ref.)

Contraceptive perceptions and method choice among young single women in the United States. Tanfer K, et al. **Stud Fam Plann** 1986 Nov-Dec;17(6 Pt 1):269-77

Postponement of health care by unmarried older women. Keith PM. **Women Health** 1987;12(1):47-60

[The single man in old age] Schneider HD. **Z Gerontol** 1986 Jul-Aug;19(4):235-9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Toward a theory of helpfulness for the elderly bereaved: an invitation to a new life. Rigdon IS, et al. **ANS** 1987 Jan;9(2):32-43

Death after bereavement [editorial] McAvoy BR. **Br Med J [Clin Res]** 1986 Oct 4;293(6551):835-6

Preventive intervention with a single pregnant patient. A case report. Sarkari BP. **Child Psychiatry Hum Dev** 1987 Summer;17(4):283-9

Retirement satisfaction in married and widowed rural women. Dorfman LT, et al. **Gerontologist** 1987 Apr; 27(2):215-21

Never married elderly as a social type: re-evaluating some images. Rubinstein RL. **Gerontologist** 1987 Feb; 27(1):108-13

Aging widows and widowers: are there mental health differences? Feinson MC. **Int J Aging Hum Dev** 1986; 23(4):241-55

The construction of a day by elderly widowers. Rubinstein RL. **Int J Aging Hum Dev** 1986;23(3):161-73

Single women, voluntary childlessness and perceptions about life and marriage. Callan VJ. **J Biosoc Sci** 1986 Oct; 18(4):479-87

Cause of death in widow(er)s and spouses. Jones DR, et al. **J Biosoc Sci** 1987 Jan;19(1):107-21

Long-term effects of losing a spouse or child in a motor vehicle crash. Lehman DR, et al. **J Pers Soc Psychol** 1987 Jan;52(1):218-31

Sexuality of widows: a study of the sexual practices of widows during the first fourteen months of bereavement. Kansky J. **J Sex Marital Ther** 1986 Winter;12(4):307-21

The health of conjugally bereaved older widows: the role of appraisal, coping and resources. Gass KA. **Res Nurs Health** 1987 Feb;10(1):39-47

Predictors of life outlook of older single women. Hoeffer B. **Res Nurs Health** 1987 Apr;10(2):111-7

Correlates of morale among Canadian widowed persons. Harvey CD, et al. **Soc Psychiatry** 1987;22(2):65-72

Single parent women. A community study. Weissman MM, et al. **Soc Psychiatry** 1987;22(1):29-36

[Children of mothers and fathers raising the child alone—a child and adolescent psychiatric study] Döcker A, et al. **Prax Kinderpsychol Kinderpsychiatr** 1987 Feb-Mar; 36(2):62-6 (Eng. Abstr.) **(Ger)**

[How lonely are single persons?] Dan J, et al. **ZFA** 1987 May-Jun;42(3):193-7 **(Ger)**

[Contact behavior of elderly females living alone from the social psychologic viewpoint—an exploratory study. II: Social contact with children (close relations) and with other relatives (siblings, extended family)] Klose S, et al. **ZFA** 1987 Jan-Feb;42(1):21-8 (Eng. Abstr.) **(Ger)**

[Contact behavior of elderly females living alone from the social psychologic viewpoint—an exploratory study. I: Theoretical and methodologic principles] Klose S, et al. **ZFA** 1987 Jan-Feb;42(1):15-9 (Eng. Abstr.) **(Ger)**

[Contact behavior of elderly females living alone from the social psychologic viewpoint—a preliminary study. III: Social contacts with friends/relatives including contacts with neighbors and former colleagues] Klose S, et al. **ZFA** 1987 Mar-Apr;42(2):127-32 (Eng. Abstr.) **(Ger)**

SINGLE-STRANDED DNA BINDING PROTEINS see **DNA-BINDING PROTEINS**

SINOATRIAL BLOCK see under **HEART BLOCK**

SINOATRIAL NODE

Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure. Alpert MA, et al. **Am Heart J** 1987 Apr;113(4):958-65

Successful cardiopulmonary resuscitation in a patient with rare sinus node artery anomaly. Shalev Y, et al. **Am Heart J** 1987 Mar;113(3):820-2

Sinus venosus interatrial communication and sinus node problems [letter] Anderson RH. **Am J Cardiol** 1987 Feb 1;59(4):390

Transient cardiac sinus dysrhythmia occurring after cold water immersion. Doubt TJ, et al. **Am J Cardiol** 1987 Jun 1;59(15):1421-2

Familial combined sinus node and atrioventricular conduction dysfunctions. Barak M, et al. **Int J Cardiol** 1987 May;15(2):231-9

An anatomical study of the patterns of the coronary arteries and sinus nodal artery in complete transposition. Smith A, et al. **Int J Cardiol** 1986 Sep;12(3):295-307

ANATOMY & HISTOLOGY

A new method for the histological study of aging changes in the sinoatrial node. Inoue S, et al. **Jpn Heart J** 1986 Sep;27(5):653-60

CYTOLOGY

Extranodal specialized sinoatrial cells. Ghidoni P, et al. **Anal Quant Cytol Histol** 1986 Sep;8(3):255-8

[Effects of nicotinamide on action potentials of sinoatrial node cells and depolarized papillary muscle cells of the guinea pig] Wang DY, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):429-33 (Eng. Abstr.) **(Chi)**

[Specific extranodal sinoatrial muscle cells in the crista terminalis. Cyto-morphometric study and anatomoclinical considerations] Matturri L, et al. **G Ital Cardiol** 1986 Nov; 16(11):947-54 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Comparative electrophysiologic effects of bepridil, verapamil and diltiazem in conscious and anesthetized dogs. Kantelip JP, et al. **Arch Int Pharmacodyn Ther** 1986 Nov;284(1):5-18

Effect of bepridil on membrane currents of rabbit sinoatrial node cells. Kotake H, et al. **Arzneimittelforschung** 1987 Apr; 37(4):424-7

Differing electrophysiological effects of class IA, IB and IC antiarrhythmic drugs on guinea-pig sinoatrial node. Campbell T. **Br J Pharmacol** 1987 Jun;91(2):395-401

Verapamil potentiates vagally mediated sinoatrial chronotropic responses in dogs. Wallick DW, et al. **Can J Physiol Pharmacol** 1986 Jul;64(7):954-7

Electrophysiological effects of alinidine (ST 567) on sinoatrial

node fibres in the rabbit heart. Opthof T, et al. **Cardiovasc Res** 1986 Oct;20(10):727–39

Effect of amiodarone on sinus node function in patients with sick sinus syndrome. Hoffmann A, et al. **Clin Cardiol** 1987 Aug;10(8):451–2

Electrophysiological study of cibenzoline in voltage-clamped rabbit sinoatrial node preparations. Kotake H, et al. **J Pharmacol Exp Ther** 1987 Jun;241(3):982–6

[Effects of amitriptyline on the ventricular fibrillation threshold, effective refractory period, diastolic threshold and sinus node function in dogs] Xin HB, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Nov;7(6):556–9 (Eng. Abstr.) **(Chi)**

[Negative chronotropic effect of calcium on the sinus node of rabbits] Gu YP, et al. **Sheng Li Hsueh Pao** 1986 Apr; 38(2):157–65 (Eng. Abstr.) **(Chi)**

[Method for differentiating in humans the direct effects of anti-arrhythmic drugs from those mediated by the autonomic nervous system. Effects of quinidine and propafenone] Paparella N, et al. **G Ital Cardiol** 1986 Sep; 16(9):762–9 (Eng. Abstr.) **(Ita)**

[Effect of cimetidine on the automatism of the sinoatrial node and atrioventricular conduction in persons with sick sinus syndrome] Ciemniewski Z, et al. **Kardiol Pol** 1986; 29(4):280–4 (Eng. Abstr.) **(Pol)**

[Effect of atropine on the automatism of the sinus node] Piwowarska W. **Kardiol Pol** 1986;29(11–12):747–55 (Eng. Abstr.) **(Pol)**

[Effects of sodium and calcium ions on the potentials of cardiac pacemaker cells in the frog] Golovko VA. **Fiziol Zh SSSR** 1986 Jul;72(7):933–9 (Eng. Abstr.) **(Rus)**

[Effect of alcohol on conduction of afferent impulsation from the area of the sinus node of the heart to structures of the central nervous system] Bilibin DP, et al. **Kardiologiia** 1986 Dec;26(12):20–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies to human sinus node in sick sinus syndrome. Maisch B, et al. **PACE** 1986 Nov;9(6 Pt 2):1101–9

METABOLISM

Activation of protein kinase C potentiates norepinephrine release from sinus node. Shuntoh H, et al. **Am J Physiol** 1986 Dec;251(6 Pt 1):C833–40

Effects of coenzyme Q10 on recovery of hypoxia-induced changes in ATP and creatine phosphate contents of sinoatrial nodal cells of the rabbit's heart after reoxygenation. Yoshikawa Y, et al. **Arch Int Pharmacodyn Ther** 1987 May;287(1):96–108

Inhibition of Ca2+ inward current in rabbit sinoatrial node by bunazosin, an alpha-adrenoceptor antagonist. Kotake H, et al. **Eur J Pharmacol** 1987 Apr 7;136(1):113–7

Modelling of the effects of Na+ and Ca2+ ions on the generation of action potentials by rabbit heart true pacemaker cells. Golovko VA, et al. **Gen Physiol Biophys** 1986 Dec;5(6):617–24

PHYSIOLOGY

The human sinus nodal electrogram: techniques and clinical results of intra-atrial recordings in patients with and without sick sinus syndrome. Bethge C, et al. **Am Heart J** 1986 Nov;112(5):1074–82

Selective vagal innervation of sinoatrial and atrioventricular nodes in canine heart. Ardell JL, et al. **Am J Physiol** 1986 Oct;251(4 Pt 2):H764–73

Effect of pindolol and propranolol on sinus node recovery time and atrioventricular conduction intervals. Kostis JB, et al. **Angiology** 1987 Jun;38(6):427–33

The effects of negative chronotropic interventions on sinus node recovery time. Neely BH, et al. **Basic Res Cardiol** 1987 Jan–Feb;82(1):92–100

Possible functional significance of a novel type of cardiac Ca channel. Nilius B. **Biomed Biochim Acta** 1986; 45(8):K37–45

Propagation through electrically coupled cells. How a small SA node drives a large atrium. Joyner RW, et al. **Biophys J** 1986 Dec;50(6):1157–64

Electrophysiologic evaluation of sinus node function. Reiffel JA. **Cardiol Clin** 1986 Aug;4(3):401–16 (78 ref.)

Electrophysiologic effects of ethmozin on sinus node function in patients with and without sinus node dysfunction. Shugushev KKh, et al. **Clin Cardiol** 1986 Sep;9(9):443–8

Changes in conduction within the diffuse sinoatrial node of the chicken following premature atrial stimulation. Goldberg JM, et al. **Comp Biochem Physiol [A]** 1986; 85(1):149–54

Variations of normal sinus node function in relation to age: role of autonomic influence. de Marneffe M, et al. **Eur Heart J** 1986 Aug;7(8):662–72

The origins of the sinus node pacemaker complex in man: demonstration of dominant and subsidiary foci. Gomes JA, et al. **J Am Coll Cardiol** 1987 Jan;9(1):45–52

Detection of experimental right ventricular infarction by isopotential body surface mapping during sinus rhythm and during ectopic ventricular pacing. Mirvis DM. **J Am Coll Cardiol** 1987 Jul;10(1):157–63

Functional and morphological organization of the cat sinoatrial node. Opthof T, et al. **J Mol Cell Cardiol** 1986 Oct;18(10):1015–31

Properties of the hyperpolarizing-activated current (if) in cells isolated from the rabbit sino-atrial node. DiFrancesco D, et al. **J Physiol (Lond)** 1986 Aug;377:61–88

On the mechanism by which changes in extracellular pH affect the electrical activity of the rabbit sino-atrial node. Satoh H, et al. **J Physiol (Lond)** 1986 Dec;381:181–91

Effects of tonicity on the pacemaker activity of guinea-pig sino-atrial node. Ohba M. **Jpn J Physiol** 1986;36(5):1027–38

Characterization of single pacemaker channels in cardiac sino-atrial node cells. DiFrancesco D. **Nature** 1986 Dec 4–10;324(6096):470–3

Chronotropic response of an activity detecting pacemaker compared with the normal sinus node. Moura PJ, et al. **PACE** 1987 Jan;10(1 Pt 1):78–86

Acetylcholine and the mammalian 'slow inward' current: a computer investigation. Egan TM, et al. **Proc R Soc Lond [Biol]** 1987 Apr 22;230(1260):315–37

Effects of adenosine on the heart rate in conscious animals: interaction between adenosine and parasympathetic mechanisms at the sinoatrial node. Belloni FL, et al. **Prog Clin Biol Res** 1987;230:361–74

Adenosine–vagus interaction at the cellular level. Mazgalev T, et al. **Prog Clin Biol Res** 1987;230:195–219

Interactive negative chronotropic actions of adenosine and verapamil on the canine sinus node in vivo. Pelleg A, et al. **Prog Clin Biol Res** 1987;230:235–52

Vagal component in the chronotropic and dromotropic actions of adenosine and ATP. Pelleg A, et al. **Prog Clin Biol Res** 1987;230:375–84

Actions of adenosine on the sinus node. West GA. **Prog Clin Biol Res** 1987;230:97–108

[Chronotropic effects of nicotinamide on the isolated sinoatrial node of rats] Wang YL, et al. **Chung Kuo Yao Li Hsueh Pao** 1986 Sep;7(5):433–5 (Eng. Abstr.) **(Chi)**

[Membrane currents of the sinus nodal cells] Gu YP. **Sheng Li Ko Hsueh Chin Chan** 1986 Apr;17(2):160–3 (32 ref.) **(Chi)**

[Influence of sodium selenite on the spontaneous electric activity of the guinea pig and rabbit heart] Zang WJ, et al. **Yao Hsueh Hsueh Pao** 1986 Aug;21(8):627–9 (Eng. Abstr.) **(Chi)**

[Effects of isocorydine on action potentials of the rabbit sinoatrial node and guinea pig ventricular muscles] Zhao YQ, et al. **Yao Hsueh Hsueh Pao** 1986 Sep;21(9):663–7 (Eng. Abstr.) **(Chi)**

[Intra-sinus echo: demonstration using direct intracavitary recording of the sinus potential] Romano S, et al. **Arch Mal Coeur** 1986 Aug;79(9):1337–42 (Eng. Abstr.) **(Fre)**

[Automation of the sinoatrial node and sinoatrial conduction and the autonomic nervous system] Piwowarska W. **Kardiol Pol** 1986;29(11–12):804–11 (32 ref.) **(Pol)**

[Transposition of the pacemaker in the right atrium during stimulation of the vagus nerve in the dog] Adomonis VM, et al. **Biull Eksp Biol Med** 1987 Apr;103(4):387–90 (Eng. Abstr.) **(Rus)**

[Intercellular electrotonic interactions in the cardiac sinus node in the frog] Kiseleva IS, et al. **Dokl Akad Nauk SSSR** 1987;292(6):1502–5 **(Rus)**

[New parameter for assessing sinus node function—the sinus node refractory period] Lautsiavichius A, et al. **Kardiologiia** 1986 Nov;26(11):97–8 **(Rus)**

PHYSIOPATHOLOGY

Analysis of sinus cycle variation: a new method for evaluation of suspected sinus node dysfunction. Bergfeldt BL, et al. **Am Heart J** 1987 Aug;114(2):321–7

Differential diagnosis of sinus node dysfunction vs advanced atrioventricular block by analysis of venous flow patterns in patients with ventricular pacemakers. Yamagishi T, et al. **Am Heart J** 1987 May;113(5):1243–5

Sinus node shift after the Senning procedure compared with the Mustard procedure for transposition of the great arteries. Byrum CJ, et al. **Am J Cardiol** 1987 Aug 1; 60(4):346–50

Use of the cryoprobe to facilitate intraoperative electrophysiologic mapping by inhibiting sinus node function in automatic atrial tachycardia. Wood DL, et al. **Am J Cardiol** 1987 Jan 1;59(1):176

Modulated parasystole originating in the sinoatrial node. Jalife J, et al. **Circulation** 1986 Nov;74(5):945–54

Enhancement of cardiac vagal action during ischaemia of the sino-atrial node. Potter EK, et al. **Clin Sci** 1986 Oct; 71(4):449–51

Deep inspiration induced sinus arrest. An unusual manifestation in a patient with the sick sinus syndrome. Strasberg B, et al. **J Electrocardiol** 1986 Jan;19(1):91–2

Electrophysiologic observation of the effects of Matrine Co against arrhythmia induced by Chinese cobra venom on isolated rat sinus node and papillary muscles. Wang YL, et al. **J Tradit Chin Med** 1987 Mar;7(1):35–40

Ventricular parasystole: a chronobiologic study. Lanza GA, et al. **PACE** 1986 Nov;9(6 Pt 1):860–7

[The electrogram of the sinuatrial node and the measurement of SACT] Zhang DL, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):201–2 **(Chi)**

[Estimating sinus node function by measuring the effective refractory period of the sinus node] Zheng C. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Aug; 14(4):198–200, 253 (Eng. Abstr.) **(Chi)**

[Arrhythmia elicited by electrical stimulation of amygdaloid complex and possibly involved descending pathway] Yuan XR, et al. **Sheng Li Hsueh Pao** 1987 Feb;39(1):68–75 (Eng. Abstr.) **(Chi)**

[Comparative study of auricular stimulation by transesophageal and endocavitary approach for evaluating sinus and atrioventricular node function] Cebron JP, et al. **Arch Mal Coeur** 1987 Feb;80(2):170–5 (Eng. Abstr.) **(Fre)**

[Study of sinus function and nodal conduction using transesophageal recordings] Le Heuzey JY, et al. **Arch Mal Coeur** 1987 Jan;80(1):28–35 (Eng. Abstr.) **(Fre)**

[Acute ischemia of the sinus node. Preliminary observations of orthoptic heart transplant recipients] Ambrosini M, et al. **Cardiologia** 1987 Feb;32(2):157–61 (Eng. Abstr.) **(Ita)**

[Electrophysiologic evaluation of the sinus node function in patients with Wolff–Parkinson–White syndrome] Cuccia C, et al. **Cardiologia** 1986 Mar;31(3):223–6 (Eng. Abstr.) **(Ita)**

[Cardioinhibitory carotid sinus hypersensitivity in subjects with symptomatic sinus dysfunction] Brignole M, et al. **G Ital Cardiol** 1986 Aug;16(8):643–7 (Eng. Abstr.) **(Ita)**

[Preoperative assessment of sinus dysfunctions by transesophageal stimulation] Beltrami M, et al. **Minerva Anestesiol** 1986 Jun–Jul;52(6–7):179–82 (Eng. Abstr.) **(Ita)**

[Rapid atrial stimulation test after pharmacologic blockade of the autonomic nervous system in symptomatic and asymptomatic sick sinus syndrome] Piwowarska W, et al. **Kardiol Pol** 1986;29(11–12):756–60 (Eng. Abstr.) **(Pol)**

[Evaluation of the rapid atrial stimulation test after pharmacologic blockade with propranolol and atropine] Piwowarska W, et al. **Kardiol Pol** 1986;29(11–12):761–70 (Eng. Abstr.) **(Pol)**

[Sinus node function of ischemic heart disease patients with chronotropic incompetence] Shul'man VA, et al. **Kardiologiia** 1986 Nov;26(11):84–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The ultrastructure of alligator conductive tissue: an electron microscopic study of the sino-atrial node. Koprla EC. **Acta Physiol Hung** 1987;69(1):71–84

Ultrastructure of DNA-synthesizing and mitotically dividing myocytes in sinoatrial node of mouse embryonal heart. Erokhina IL, et al. **J Mol Cell Cardiol** 1986 Dec; 18(12):1219–31

[Ultrastructure of the sinus and atrioventricular nodes in experimental myocardial infarct] Usynin AF, et al. **Biull Eksp Biol Med** 1987 Mar;103(3):361–3 (Eng. Abstr.) **(Rus)**

SINUS ARRHYTHMIA see **ARRHYTHMIA, SINUS**

SINUS OF VALSALVA

Ruptured aneurysms of the sinus of Valsalva [letter] Babacan KM. **Ann Thorac Surg** 1987 Aug;44(2):223–4

Repair of intrapericardial rupture of left sinus of Valsalva aneurysm. Killen DA, et al. **Ann Thorac Surg** 1987 Sep; 44(3):310–1

Amino acid sequence of atrial natriuretic peptides in human coronary sinus plasma. Yandle T, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):832–9

Rupture of the sinus of Valsalva during pregnancy. Cripps T, et al. **Br Heart J** 1987 May;57(5):490–1

Traumatic combined valve lesions with aneurysm of the sinus of Valsalva causing late onset of heart failure. Nawa S, et al. **Br Heart J** 1987 Apr;57(4):377–9

Rupture of an aneurysm of the aortic sinus of Valsalva into the right ventricle. A case presenting an unusual hemodynamic manifestation. Anzai N, et al. **Cardiology** 1987;74(2):147–50

Doppler echocardiographic detection of a ruptured acquired aneurysm of the sinus of Valsalva. Clinical–morphologic correlations. Ryan T, et al. **Chest** 1987 Apr;91(4):626–9

Rupture of aneurysm of sinus of valsalva diagnosed by contrast echocardiography. Shah VK, et al. **Indian Heart J** 1986 Sep–Oct;38(5):418–20

Sinus of Valsalva aneurysm complicating bacterial endocarditis in an infant: diagnosis with two-dimensional and Doppler echocardiography. Shaffer EM, et al. **J Am Coll Cardiol** 1987 Mar;9(3):588–91

Accuracy of clinical criteria and angiocardiographic findings in diagnosis of ruptured of aortic sinus of Valsalva. Sahasakul Y, et al. **J Med Assoc Thai** 1986 Aug;69(8):422–7

[Analysis and evaluation of diagnosing ruptured aneurysm of the aortic sinus of Valsalva in different chambers by M-mode and 2D echocardiography] Liu HY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1986 Dec; 14(6):327–9, 380 (Eng. Abstr.) **(Chi)**

[Aneurysm of the sinistro-anterior sinus of Valsalva causing coronary insufficiency. Apropos of a case] Le Helloco A, et al. **Arch Mal Coeur** 1986 Sep;79(10):1515–20 (Eng. Abstr.) **(Fre)**

[Unruptured aneurysms of the sinus of Valsalva disclosed by syncopal disorders of cardiac excitability. Apropos of 2 cases] Louis P, et al. **Arch Mal Coeur** 1986 Jun; 79(7):1081–8 (Eng. Abstr.) **(Fre)**

[Congenital aneurysm of the sinus of Valsalva with perforation into the right ventricle] Herter M, et al. **ROFO** 1987 Apr;146(4):468–70 **(Ger)**

[Experimental evaluations of a bending patch graft with monocusp and Valsalva sinus; for better right ventricular

outflow reconstruction in tetralogy of Fallot] Nishiya Y. **Nippon Kyobu Geka Gakkai Zasshi** 1987 Mar;35(3):328–42 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of the echocardiographic study of a patient with a ruptured congenital aneurysm of the sinus of Valsalva associated with other congenital heart defects] Maciejewski M, et al. **Kardiol Pol** 1987;30(1):36–41 (Eng. Abstr.) **(Pol)**

[Difficulties in the noninvasive diagnosis of aneurysms and fistulas of the sinus of Valsalva] Petelenz T, et al. **Pol Tyg Lek** 1986 Jun 23–30;41(25–26):822–4 (Eng. Abstr.) **(Pol)**

[Dissecting aneurysm of the ascending aorta and the right sinus of Valsalva with aorto-cardiac fistula] Petelenz T, et al. **Przegl Lek** 1986;43(8):576–8 **(Pol)**

[Rupture of a congenital aneurysm of the sinus of Valsalva (clinical picture, diagnosis and treatment)] Burakovskiĭ VI, et al. **Grudn Khir** 1987 Jan–Feb;(1):5–11 (Eng. Abstr.) **(Rus)**

[Congenital aneurysm of the sinus of Valsalva] Sabirov BN. **Grudn Khir** 1986 Nov–Dec;(6):72–6 (55 ref.) **(Rus)**

[Ultrasonic diagnosis of aneurysmal rupture of the sinus of Valsalva] Bobkov VV, et al. **Kardiologiia** 1987 Apr; 27(4):32–4 (Eng. Abstr.) **(Rus)**

[Aneurysm of the aortic sinus of Valsalva] Merzlikin LA, et al. **Klin Med (Mosk)** 1987 Jan;65(1):140–2 **(Rus)**

[Successful surgical correction of the rupture of a sinus of Valsalva aneurysm into the right ventricle associated with an interventricular septal defect] Todorić M, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):148–50 **(Scr)**

ABNORMALITIES

Anomalous origin of the right coronary artery from the left sinus of Valsalva: echocardiographic diagnosis—a case report. Erol C, et al. **Angiology** 1987 Mar;38(3):268–70

Anomalous origin of the right coronary artery from the left sinus of Valsalva: a case report. Kucera RF, et al. **Cathet Cardiovasc Diagn** 1986;12(5):334–6

Dual left coronary systems. Das B, et al. **Chest** 1986 Dec; 90(6):914–6

[Anomalous origin of both coronary arteries in the right sinus of Valsalva and the double origin of the great vessels in the left ventricle] Abdullaev FZ, et al. **Grudn Khir** 1987 May–Jun;(3):90–1 **(Rus)**

INJURIES

Fistula between noncoronary sinus of Valsalva and right atrium after blunt chest trauma. Kamiya H, et al. **Am Heart J** 1987 Aug;114(2):429–31

INNERVATION

Paroxysmal hypertension due to sinoaortic baroreceptor denervation in humans. Aksamit TR, et al. **Hypertension** 1987 Mar;9(3):309–14

Effects of pergolide on the cardiovascular responses to sinoaortic deafferentation in dogs with intact or surgically decentralized adrenal glands. Lorrain J, et al. **J Pharmacol Exp Ther** 1987 Jan;240(1):288–93

[Changes in the sensitivity of cardiovascular beta adrenergic receptors after sinoaortic denervation in rats] Marzán G, et al. **Medicina (B Aires)** 1986;46(2):186–90 (Eng. Abstr.) **(Spa)**

METABOLISM

Coronary sinus lactate release as an index of myocardial anaerobiosis: effects of interventions. Ferrari R, et al. **Adv Cardiol** 1986;35:115–26

PATHOLOGY

Sinus of Valsalva aneurysm associated with multiple conotruncal congenital malformations. Sundeen JT, et al. **Hum Pathol** 1987 Jan;18(1):96–9

PHYSIOLOGY

Stress sharing between the sinus and leaflets of canine aortic valve. Thubrikar MJ, et al. **Ann Thorac Surg** 1986 Oct; 42(4):434–40

PHYSIOPATHOLOGY

Intermittent coronary sinus occlusion in dogs: reduction of infarct size 10 days after reperfusion. Guerci AD, et al. **J Am Coll Cardiol** 1987 May;9(5):1075–81

SURGERY

Fistulous communication of aortic sinuses into the cardiac chambers. Fifteen years surgical experience and a report of 23 patients. Babocan KM, et al. **Jpn Heart J** 1986 Nov; 27(6):865–70

SINUS THROMBOSIS

CHEMICALLY INDUCED

[Thrombosis of the superior longitudinal sinus in the treatment of lymphoma in children. 4 case reports] Legrand I, et al. **J Radiol** 1986 Aug–Sep;67(8–9):595–600 (Eng. Abstr.) **(Fre)**

[Tranexamic acid and thrombosis of the superior longitudinal sinus (letter)] Humbert P, et al. **Therapie** 1987 Jan–Feb; 42(1):65–6 **(Fre)**

COMPLICATIONS

Dural sinus thrombosis: a mechanism for pseudotumor cerebri in systemic lupus erythematosus. Parnass SM, et al. **J Rheumatol** 1987 Feb;14(1):152–5

[Dural arteriovenous fistulas of the posterior cerebral fossa and thrombosis of the lateral sinus. Discussion of their relations and treatment apropos of 2 cases] Convers P, et al. **Neurochirurgie** 1986;32(6):495–500 (Eng. Abstr.) **(Fre)**

[An autopsied case of pure erythrocytosis complicated with cerebral sinus thrombosis] Ueta I, et al. **Nippon Naika Gakkai Zasshi** 1986 Aug;75(8):1141–5 **(Jpn)**

[Psychic symptomatology in thrombosis of the upper longitudinal sinus. Apropos of a case] López-Trabada Gómez JR, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1987 May–Jun;15(3):115–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

MR of venous sinus thrombosis: a case report. Bauer WM, et al. **AJNR** 1987 Jul–Aug;8(4):713–5

Clinical and anatomical considerations of the Tobey–Ayer test in lateral sinus thrombosis. Albert DM, et al. **J Laryngol Otol** 1986 Nov;100(11):1311–3

DRUG THERAPY

Dural sinus thrombosis [letter] Bousser MG. **Lancet** 1987 Apr 18;1(8538):923

ETIOLOGY

Cavernous sinus thrombosis due to Streptococcus milleri [letter] Myint S. **J Infect** 1986 Sep;13(2):202–3

Lateral sinus thrombosis: diagnosis and treatment—a case report. Rizer FM, et al. **J Otolaryngol** 1987 Mar;16(2):77–9

[Triple dural sinus obliteration due to invasion of a solitary malignant glioma. Case report and a pathological consideration on the growth of glioma] Yoshioka S, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):881–7 (Eng. Abstr.) **(Jpn)**

[Thrombophlebitis of the lateral sinus. Apropos of a case] de la Fuente Arjona L, et al. **An Otorrinolaringol Ibero Am** 1987;14(2):163–70 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Air in the cavernous sinus: a new sign of septic cavernous sinus thrombosis [letter] Curnes JT, et al. **AJNR** 1987 Jan–Feb;8(1):176–7

CT of cerebral venous sinus thrombosis in a child with homocystinuria. Schwab FJ, et al. **Pediatr Radiol** 1987; 17(3):244–5

The empty delta sign: frequency and significance in 76 cases of dural sinus thrombosis. Virapongse C, et al. **Radiology** 1987 Mar;162(3):779–85

Appearance and disappearance of empty delta sign in superior sagittal sinus thrombosis. Shinohara Y, et al. **Stroke** 1986 Nov–Dec;17(6):1282–4

[CT findings of thrombosis of the superior sagittal sinus and cerebral veins] Tsuboi K, et al. **Rinsho Hoshasen** 1986 Aug; 31(8):891–5 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Gallium scintigraphy in a case of septic cavernous sinus thrombosis. Palestro CJ, et al. **Clin Nucl Med** 1986 Sep; 11(9):636–9

SINUSITIS

[Maxillary sinusitis in intensive care patients] Schneck HJ, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):338–42 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Sinusitis and its complications. Gray WC, et al. **Am Fam Physician** 1987 Mar;35(3):232–43

Chronic sinus disease: a rare cause of enophthalmos. Hayes EJ, et al. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):351–3

Acute severe irreversible visual loss with sphenoethmoiditis–'posterior' orbital cellulitis. Slavin ML, et al. **Arch Ophthalmol** 1987 Mar;105(3):345–8

An unusual case of ocular phthisis. Goes F, et al. **Bull Soc Belge Ophtalmol** 1985;214:87–96

Chronic sinopulmonary disease in Chinese patients with obstructive azoospermia. Wang C, et al. **J Androl** 1987 Jul–Aug;8(4):225–9

Cavernous sinus thrombosis due to Streptococcus milleri [letter] Myint S. **J Infect** 1986 Sep;13(2):202–3

The acute orbit. Preseptal (periorbital) cellulitis, subperiosteal abscess and orbital cellulitis due to sinusitis. Moloney JR, et al. **J Laryngol Otol [Suppl]** 1987;12:1–18

Orbital complications of acute sinusitis. Shahin J, et al. **J Otolaryngol** 1987 Feb;16(1):23–7

Orbital infection and sinusitis [letter] Niyadurupola T. **J R Soc Med** 1987 Mar;80(3):194

Young's syndrome: an often unrecognized correctable cause of obstructive azoospermia. Hughes TM 3d, et al. **J Urol** 1987 Jun;137(6):1238–40

Toxic shock syndrome, Staphylococcus aureus, and influenza [letter] Todd JK. **JAMA** 1987 Jun 12;257(22):3070–1

Asthma complicated by sinusitis. Patel KS, et al. **Kans Med** 1987 Feb;88(2):46–7, 60

Pneumocephalus secondary to acute sinusitis—case report. Naganuma H, et al. **Neurol Med Chir (Tokyo)** 1986 Jul; 26(7):541–4

Paranasal sinusitis, orbital abscess, and inflammatory tumors of the orbit. Reidy JJ, et al. **Ophthalmic Surg** 1987 May; 18(5):363–6

The synchronous occurrence of aspergillosis and myospherulosis of the maxillary sinus. Report of a case with review of the literature. Panayiotopoulou MC, et al. **Oral Surg Oral Med Oral Pathol** 1987 May;63(5):582–5

Complicated frontal sinusitis: evaluation and management. Gardiner LJ. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):333–43

Pott puffy tumor: a serious occult infection. Feder HM Jr, et al. **Pediatrics** 1987 Apr;79(4):625–9

Occurrence of asymptomatic sinusitis in common cold and other acute ENT-infections. Berg O, et al. **Rhinology** 1986 Sep;24(3):223–5

Sinusitis and asthma. Minor MW, et al. **South Med J** 1987 Sep;80(9):1141–7 (29 ref.)

Intracranial complications of sinus and otologic infections. Luft JD, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1986; 38(2):422–5

Fever, frontal sinus mass, and CSF pleocytosis in a 44-year-old man. Berenson CS, et al. **Yale J Biol Med** 1986 Nov–Dec;59(6):613–20

[Frontal osteomyelitis as a complication of frontal sinusitis] Brask T, et al. **Ugeskr Laeger** 1987 Jan 12;149(3):157–8 (Eng. Abstr.) **(Dan)**

[Interaction between asthma and maxillary sinusitis] Michel O, et al. **Rev Mal Respir** 1986;3(5):259–62 (Eng. Abstr.) **(Fre)**

[Rhinogenic meningitis today] Winkler U, et al. **Z Arztl Fortbild (Jena)** 1987;81(5):231–3 **(Ger)**

[Bilateral paralysis of the 6th cranial nerve: a rare complication of isolated sphenoid sinusitis] Piane R, et al. **Acta Otorhinolaryngol Ital** 1986 Jul–Aug;6(4):431–7 (Eng. Abstr.) **(Ita)**

[Role of chronic suppurative sinusitis as a focal infection in rheumatic diseases. Observations on several clinical cases hospitalized at the ORL Section of the Bacau General Hospital] Orghidan I. **Rev Chir [Otorinolaringol]** 1987 Apr–Jun;32(2):113–7 **(Rum)**

[Problems and errors in the diagnosis of optochiasmal arachnoiditis of nasal sinus origin] Blagoveshchenskaia NS, et al. **Vestn Oftalmol** 1986 Sep–Oct;102(5):57–8 (Eng. Abstr.) **(Rus)**

[Radionuclide diagnosis of rhinosinusogenic inflammatory processes in the brain] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** 1987 Jul–Aug;(4):3–6 (Eng. Abstr.) **(Rus)**

[Value of early diagnosis in the successful treatment of optochiasmic rhinosinusogenic arachnoiditis] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):37–40 (Eng. Abstr.) **(Rus)**

[Orbital complications in children with sinusitis] Iarykov SA, et al. **Vestn Otorinolaringol** 1986 Nov–Dec;(6):82–3 **(Rus)**

[Periostitis of the orbit with exophthalmos of rhinogenic etiology] Ibragimov GT, et al. **Vestn Otorinolaringol** 1987 May–Jun;(3):70–1 **(Rus)**

[Clinical picture and treatment of chronic maxillary sinusitis complicating atrophy of the nasal mucosa] Kasymov KK. **Vestn Otorinolaringol** 1987 Mar–Apr;(2):43–6 (Eng. Abstr.) **(Rus)**

[Roentgenologic diagnosis of rhinocerebral mucormycosis] Kossovoi AL. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):85–8 (39 ref.) **(Rus)**

[Neuralgia of the nasociliary nerve in a patient with chronic sphenoiditis] Mashak VK. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):81–2 **(Rus)**

[Rhinosinusogenic cerebral arachnoiditis] Mukhamedzhanov NZ. **Vestn Otorinolaringol** 1987 May–Jun;(3):39–43 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of rhinosinusogenic cerebral arachnoiditis] Blagoveshchenskaia NS, et al. **Zh Nevropatol Psikhiatr** 1986;86(12):1782–5 (Eng. Abstr.) **(Rus)**

[Early diagnosis and complex treatment of brain abscesses of paranasal sinus origin] Mukhamedzhanov NZ. **Zh Nevropatol Psikhiatr** 1987;87(2):188–90 (Eng. Abstr.) **(Rus)**

[Otorhinogenic brain abscess] Džinić L, et al. **Vojnosanit Pregl** 1987 Mar–Apr;44(2):154–7 **(Scr)**

DIAGNOSIS

Antroscopy: its place in clinical practice. A comparison of antroscopic findings with radiographic appearances of the maxillary sinus. Pfleiderer AG, et al. **Clin Otolaryngol** 1986 Dec;11(6):455–61

Allergic Aspergillus sinusitis: concepts in diagnosis and treatment of a new clinical entity. Waxman JE, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):261–6

Mycotic infection of the paranasal sinuses. Gentles JC. **Mykosen [Suppl]** 1978;1:94–7

Diagnosis and management of acute sinusitis in children. Siegel JD. **Pediatr Infect Dis J** 1987 Jan;6(1):95–9 (19 ref.)

Brain abscess and ethmoid sinusitis presenting as periorbital cellulitis in a two-month-old infant. Zellers TM, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):213-5

Suppurative (bacterial) sinusitis. Kern EB. **Postgrad Med** 1987 Mar;81(4):194-8, 203-10

[Seromucous maxillary sinusitis or "glue-sinus"] Ammar-Khodja A. **Rev Laryngol Otol Rhinol (Bord)** 1987; 108(3):213-4 (Eng. Abstr.) **(Fre)**

[Maxillary sinusitis in intensive care patients] Schneck HJ, et al. **Anasth Intensivther Notfallmed** 1986 Dec;21(6):338-42 (Eng. Abstr.) **(Ger)**

[Penicillinosis of the paranasal sinuses] Nouri ME. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug;65(8):420-2 (Eng. Abstr.) **(Ger)**

[Localized intracavitary mucormycosis of the maxillary sinus in a patient without discernible predisposition] Develey R, et al. **Mykosen** 1987 May;30(5):210-4 (Eng. Abstr.) **(Ger)**

[Diagnostic problems in suppurative sinusitis complicated by orbital flux] Haivas V. **Rev Chir [Otorinolaringol]** 1987 Apr-Jun;32(2):127-30 (Eng. Abstr.) **(Rum)**

[Actinomycosis of the maxillary sinus and ethmoid labyrinth] Chkannikov AN, et al. **Vestn Otorinolaringol** 1987 Jan-Feb; (1):67-8 **(Rus)**

[Thermographic characteristics of combined inflammatory lesions of the pharyngeal tonsil, nasal cavity and paranasal sinuses in children] Psakhis GB, et al. **Vestn Otorinolaringol** 1986 Sep-Oct;(5):11-4 (Eng. Abstr.) **(Rus)**

[Thermography in the diagnosis of diseases of various organs] Shekhter AI, et al. **Vestn Rentgenol Radiol** 1987 Jan-Feb; (1):70-6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Nebulization treatment with saline compared to bromhexine in treating chronic sinusitis in asthmatic children. Van Bever HP, et al. **Allergy** 1987 Jan;42(1):33-6

Comparison of cyclacillin and amoxicillin for therapy for acute maxillary sinusitis. Scheld WM, et al. **Antimicrob Agents Chemother** 1986 Sep;30(3):350-3

Treatment of acute and chronic sinusitis with cefadroxil. Kaminszczik I. **Drugs** 1986;32 Suppl 3:33-8

Ultrasonic evaluation of antibiotic therapy [letter] Laufer P. **Ear Nose Throat J** 1987 Apr;66(4):177

Treatment of invasive Aspergillus sinusitis with liposomal-amphotericin B. Weber RS, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):937-41

Fungal nasosinusitis treated with econazole. Bambule J, et al. **Mykosen [Suppl]** 1978;1:87-93

Otitis media and sinusitis: management and when to refer to the otolaryngologist. Bluestone CD. **Pediatr Infect Dis J** 1987 Jan;6(1):100-6 (28 ref.)

[Observation on clinical experiments in the treatment of chronic nasal sinusitis with ping zhi tablets] Liu YC. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Oct;6(10):596-8, 580 (Eng. Abstr.) **(Chi)**

[Results of a multicenter study of an amoxicillin-clavulanic acid combination in sinusitis in children and adults] Le Clech G, et al. **Ann Otolaryngol Chir Cervicofac** 1987; 104(2):147-50 (Eng. Abstr.) **(Fre)**

[Use of 5% dioxidine ointment in the treatment of patients with chronic suppurative Highmoritis] Khlystov IuA, et al. **Vestn Otorinolaringol** 1987 Jul-Aug;(4):66-7 **(Rus)**

[Comparative study of the combination of trimethoprim and sulfamethopyrazine and amoxicillin in acute maxillary sinusitis] Correa A, et al. **Rev Med Chil** 1986 Mar; 114(3):215-20 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Significance of lysosomal proteases; cathepsins B and H in maxillary mucosa and nasal polyp with non-atopic chronic inflammation. Hamaguchi Y, et al. **Rhinology** 1986 Sep; 24(3):187-94

ETIOLOGY

Hairy cell leukemia and mucormycosis. Treatment with alpha-2 interferon. Bennett CL, et al. **Am J Med** 1986 Dec; 81(6):1065-7

Acute frontal sinusitis after lacrimal surgery. Wesley RE, et al. **Ann Ophthalmol** 1986 Dec;18(12):350-3

Fungal maxillary sinusitis caused by Curvularia lunata. Nishioka G, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jun;113(6):665-6

Paranasal sinusitis: a complication of nasotracheal intubation [letter] Kumar CM, et al. **Br J Anaesth** 1986 Oct; 58(10):1205

Acute paranasal sinusitis related to nasotracheal intubation of head-injured patients. Grindlinger GA, et al. **Crit Care Med** 1987 Mar;15(3):214-7

Allergic fungal sinusitis due to Curvularia lunata. MacMillan RH 3d, et al. **Hum Pathol** 1987 Sep;18(9):960-4

Klebsiella ozaenae sinusitis, otitis media, and meningitis in an elderly diabetic woman: a case report. Siegel JD. **J Am Geriatr Soc** 1987 Jul;35(7):685-7

Allergic sino-orbital mycosis. A clinical and immunologic study. Brummund W, et al. **JAMA** 1986 Dec 19; 256(23):3249-53

Fungal sinusitis and marijuana [letter] Schwartz IS. **JAMA** 1987 Jun 5;257(21):2914-5

Allergic Aspergillus sinusitis. Jackson IT, et al. **Plast Reconstr Surg** 1987 May;79(5):804-8

[Sinusal-dental tomography and dental origin of chronic sinusitis] Wayoff M, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(1):45-9 (Eng. Abstr.) **(Fre)**

[Role of the lateral nasal wall in the pathogenesis, diagnosis and therapy of recurrent and chronic rhinosinusitis] Messerklinger W. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun; 66(6):293-9 (36 ref.) (Eng. Abstr.) **(Ger)**

[Maxillary sinusitis due to foreign bodies introduced during dentistry] Konstantinov D, et al. **Radiol Diagn (Berl)** 1986; 27(4):501-6 (Eng. Abstr.) **(Ger)**

[A case of sino-broncho-bronchiolitis with persistent infection of the lower airway due to Klebsiella pneumoniae] Mikasa K, et al. **Kansenshogaku Zasshi** 1986 May; 60(5):510-7 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of airway diseases--the relationship between upper and lower airway] Okuda M. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Nov; 24(11):1227-31 (Eng. Abstr.) **(Jpn)**

[Infectious-allergic diseases in otorhinolaryngology] Blanco Vilariño RT, et al. **An Otorrinolaringol Ibero Am** 1986; 13(6):553-61 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Parameters of T cell mediated immunity to commensal micro-organisms in patients with chronic purulent rhinosinusitis: a comparison between delayed type hypersensitivity skin test, lymphocyte transformation test and macrophage migration inhibition factor assay. van de Plassche-Boers EM, et al. **Clin Exp Immunol** 1986 Dec; 66(3):516-24

[Immunohistochemical study of complements and complement receptor (CR1) in chronic sinusitis] Miyaguchi M. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Jan;90(1):14-20 (Eng. Abstr.) **(Jpn)**

[Effect of infections on the rate of detection of circulating immune complexes in the serum of patients with glomerulonephritis] Krzymański M, et al. **Pol Arch Med Wewn** 1986 Jul;76(1):19-26 (Eng. Abstr.) **(Pol)**

METABOLISM

Some chemical properties of tissue plasminogen activator purified from paranasal mucous membrane. Kosugi T, et al. **Rhinology** 1987 Jun;25(2):129-32

[Mucin-type glycoprotein of nasal secretion from patients with chronic sinusitis: solubilization and biochemical analysis of the O-glycosidic oligosaccharide chains] Sugita K. **Nippon Jibiinkoka Gakkai Kaiho** 1986 Jun;89(6):715-23 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Experimental acute sinusitis in rabbit. A study of mucosal blood flow. Drettner B, et al. **Acta Otolaryngol (Stockh)** 1987 May-Jun;103(5-6):432-4

Human Curvularia infections. Report of five cases and review of the literature. Rinaldi MG, et al. **Diagn Microbiol Infect Dis** 1987 Jan;6(1):27-39

Changing trends in the microbiology and management of acute otitis media and sinusitis. Nelson JD. **Pediatr Infect Dis** 1986 Nov-Dec;5(6):749-53

Microbial flora of nose and paranasal sinuses in chronic maxillary sinusitis. Almadori G, et al. **Rhinology** 1986 Dec; 24(4):257-64

Predictive value of nasal bacterial culture for etiological agents in acute maxillary sinusitis. Savolainen S, et al. **Rhinology** 1987 Mar;25(1):49-55

[Acute sinusitis in adults] Ekedahl C. **Infection** 1987;15 Suppl 3:S120-2 (Eng. Abstr.) **(Ger)**

[Clinical observations on nasosinus aspergillosis] Alexa EM, et al. **Rev Chir [Otorinolaringol]** 1987 Jan-Mar;32(1):59-62 (Eng. Abstr.) **(Rum)**

OCCURRENCE

[Epidemiology of acute otitis and sinusitis] Novák J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1984;27(4):353-68 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Histopathology and immunofluorescent immunoglobulins in asthmatics with aspirin idiosyncrasy. English GM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):377-9

Intracranial extension of paranasal sinus aspergillosis. Oates J, et al. **J Laryngol Otol** 1987 Feb;101(2):188-90

Maxillary sinus aspiration in children. What are the indications? Shone GR. **J Laryngol Otol** 1987 May; 101(5):461-4

Abnormalities of cilia and chronic sinusitis. Fontolliet C, et al. **Rhinology** 1987 Mar;25(1):57-62

Ultrasonography of the paranasal sinuses. A new computerized equipment using LCD-display and capture mode. Jannert M, et al. **Rhinology** 1987 Jun;25(2):133-7

[Incidence of maxillary sinusitis in intensive care patients with nasal intubation--ultrasonic diagnosis as a screening test] Bockmeyer M, et al. **HNO** 1987 Jul;35(7):282-5 (Eng. Abstr.) **(Ger)**

[Problems in the study of structural changes of the sinus mucosa in allergic patients] Ionescu N, et al. **Rev Chir [Otorinolaringol]** 1987 Jan-Mar;32(1):35-40 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Ostial and nasal patency in chronic maxillary sinusitis. A long-term post-treatment study. Melén I, et al. **Acta Otolaryngol (Stockh)** 1986 Nov-Dec;102(5-6):500-8

The pathophysiology and treatment of sinusitis. Incaudo G, et al. **Allergol Immunopathol (Madr)** 1986 Sep-Oct; 14(5):423-34 (39 ref.)

Obstructive azoospermia and chronic sinobronchial disease (Young's syndrome) in identical twins. Teichtahl H, et al. **Fertil Steril** 1987 May;47(5):879-81

Beat frequency of cilia from sites of purulent infection. Wilson R, et al. **Thorax** 1986 Jun;41(6):453-8

[Painful dysfunction syndrome of the temporomandibular joint (TMJ) and maxillary sinusitis] Ieremia L, et al. **Rev Chir [Otorinolaringol]** 1986 Oct-Dec;31(4):279-82 (Eng. Abstr.) **(Rum)**

[Lung function tests in obstructive and inflammatory diseases of the nose and paranasal sinuses] Hajtman A, et al. **Cesk Otolaryngol** 1986 Nov;35(6):361-4 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Radiography and ultrasonography in paranasal sinusitis. Jensen C, et al. **Acta Radiol** 1987 Jan-Feb;28(1):31-4

CT of inspissated mucus in chronic sinusitis. Naul LG, et al. **AJNR** 1987 May-Jun;8(3):574-5

The opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors. Silver AJ, et al. **Radiology** 1987 Apr; 163(1):205-10

Fallibility of sinus radiographs in demonstrating ethmoid sinusitis [letter] Andrew WK, et al. **S Afr Med J** 1987 Jul 18;72(2):158

[Value of conventional tomography and computer tomography in therapy-resistant diseases of the paranasal sinuses] Rieden K, et al. **Radiologe** 1986 Sep;26(9):433-8 (Eng. Abstr.) **(Ger)**

[Chronic ethmoid and sphenoid sinusitis as an incidental finding in computerized tomography of the skull] Mahmalat MO, et al. **Rontgenblatter** 1986 Oct;39(10):297-300 (Eng. Abstr.) **(Ger)**

[Incidence and significance of disease of the paranasal sinuses in small children] Friedrich W, et al. **Z Arztl Fortbild (Jena)** 1986;80(17):707-10 **(Ger)**

[CT findings of fungal infection of maxillary sinuses] Nishikawa M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Mar;90(3):319-23 (Eng. Abstr.) **(Jpn)**

SURGERY

Nasal and paranasal sinus surgery in children with cystic fibrosis. Crockett DM, et al. **Ann Otol Rhinol Laryngol** 1987 Jul-Aug;96(4):367-72

Nasal and paranasal sinus endoscopy. A diagnostic and surgical approach to recurrent sinusitis. Stammberger H. **Endoscopy** 1986 Nov;18(6):213-8

Radical surgical treatment for extensive chronic fronto-ethmoidal sinusitis. Warwick-Brown NP, et al. **J Laryngol Otol** 1986 Nov;100(11):1323-8

Serious misconceptions regarding functional endoscopic sinus surgery [letter] Kennedy DW. **Laryngoscope** 1986 Oct; 96(10):1170-1

Toxic shock syndrome after nasal surgery. Wilson JA, et al. **Rhinology** 1987 Jun;25(2):139-40

[Surgical treatment of chronic recurrent sinusitis--the Caldwell-Luc versus a functional endoscopic technic] Stammberger H, et al. **HNO** 1987 Mar;35(3):93-105 (Eng. Abstr.) **(Ger)**

[Therapeutic limits of endonasal fenestration of the maxillary sinus] Reck R. **Laryngol Rhinol Otol (Stuttg)** 1986 Dec; 65(12):673-5 (Eng. Abstr.) **(Ger)**

[Organ-sparing treatment of polypous sinusitis] Piskunov GZ, et al. **Vestn Otorinolaringol** 1987 May-Jun;(3):49-53 (Eng. Abstr.) **(Rus)**

THERAPY

Short and long-term treatment results in chronic maxillary sinusitis. Melén I, et al. **Acta Otolaryngol (Stockh)** 1986 Sep-Oct;102(3-4):282-90

[The value of maxillary sinus irrigation in children with maxillary sinusitis using the Waters film] Maes JJ, et al. **Acta Otorhinolaryngol Belg** 1986;40(4):570-81 (Eng. Abstr.) **(Dut)**

[Acute sphenoid sinusitis in adults] Boissonnas A, et al. **Ann Med Interne (Paris)** 1986;137(8):627-31 (Eng. Abstr.) **(Fre)**

[Diagnosis and treatment of chronic paranasal sinus inflammation] Pfaltz CR. **Schweiz Rundsch Med Prax** 1986 Sep 2;75(36):1045-7 **(Ger)**

[Results of maxillary sinus irrigation in childhood] Schmidt HJ, et al. **Z Arztl Fortbild (Jena)** 1986;80(17):711-3 **(Ger)**

[Our experience with focal ORL infections in children] Păunescu C, et al. **Rev Chir [Otorinolaringol]** 1987 Apr-Jun; 32(2):95-9 (Eng. Abstr.) **(Rum)**

[Therapeutic options in nasosinus allergy] Sbenghe-Teţu L, et al. **Rev Chir [Otorinolaringol]** 1987 Jan-Mar;32(1):31-4 (Eng. Abstr.) **(Rum)**

[Possibility of using the etiological factor and the function of the immune system in assessing the pathogenetic treatment of chronic suppurative sinusitis] Gorshtein RM, et al. **Antibiot Med Biotekhnol** 1986 Dec;31(12):921-4 (Eng.

Abstr.) (Rus)
[A method of administering drugs in the complex treatment of patients with acute and chronic rhinosinusitis] Telezhkina VI, et al. **Vestn Otorinolaringol** 1987 May-Jun; (3):72-3 (Rus)
[Combined use of ultrasound and Peloidin in treating patients with chronic allergic rhinosinusitis of bacterial origin] Pogosov VS, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1986 Jul-Aug; (4):48-50 (Rus)
[Acute sinusitis—when, how and by whom should it be treated?] Engquist S, et al. **Lakartidningen** 1986 Sep 17; 83(38):3112-4 (11 ref.) (Swe)

VETERINARY

Chronic rhinitis and sinusitis in budgerigars (Melopsittacus undulatus). Pass DA, et al. **Avian Dis** 1987 Apr-Jun; 31(2):425-7

SIPHONAPTERA see **FLEAS**

SIPPLE SYNDROME see **NEOPLASMS, MULTIPLE ENDOCRINE**

SIPUNCULIDA see **NEMATODA**

SIRENOMELIA see **ECTROMELIA**

SISOMICIN

ADVERSE EFFECTS

Systemic contact dermatitis medicamentosa induced by topical eye lotion (sisomicin) in a patient with corneal allograft [letter] Katayama I, et al. **Arch Dermatol** 1987 Apr;123(4):436-7

ANALOGS & DERIVATIVES

Human pharmacology of 5-epi-sisomicin (Sch 22591) following intramuscular administration. Blaser J, et al.
J Antimicrob Chemother 1987 Feb;19(2):233-8

ANALYSIS

[Spectrophotometric determination of amikacin and sisomicin in the air using the Hantzsch reaction] Churagulova NK.
Antibiot Med Biotekhnol 1987 May;32(5):344-5 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

[A new subspecies of Micromonospora genus producing aminoglycoside antibiotics] Zhu JP, et al.
Wei Sheng Wu Hsueh Pao 1987 Jun;27(2):181-5 (Eng. Abstr.) (Chi)

METABOLISM

Comparative distribution of gentamicin, tobramycin, sisomicin, netilmicin, and amikacin in interstitial fluid in rabbits. Carbon C, et al. **Antimicrob Agents Chemother** 1978 Mar;13(3):368-72
[Interrelations in the changes in the pharmacokinetics and nephrotoxic effect of sisomycin as affected by cefazolin] Gagaeva EV, et al. **Antibiot Med Biotekhnol** 1986 Oct; 31(10):785-90 (Eng. Abstr.) (Rus)

STANDARDS

The International Standard for sisomicin. Lightbown JW, et al. **J Biol Stand** 1986 Oct;14(4):377-85

THERAPEUTIC USE

Ceftazidime monotherapy vs. combined therapy in Pseudomonas pulmonary infections in cystic fibrosis. Padoan R, et al. **Pediatr Infect Dis J** 1987 Jul;6(7):648-53
[Experimental treatment of calf diarrhea with the aminoglycoside sisomicin (3'-N-desmethyl-3'-N-ethylsisomicin)] Menzel A, et al.
DTW 1987 May 7;94(5):302-6 (Eng. Abstr.) (Ger)

SISOMYCIN see **SISOMICIN**

SISSOMICIN see **SISOMICIN**

SISTER CHROMATID EXCHANGE

Cytogenetic studies on peripheral blood cultures of neonates treated in an intensive unit. Dobos M, et al.
Acta Paediatr Hung 1986;27(3):267-73
Combined effects of ultrasound and ionizing radiation on lymphocyte chromosomes. Kuwabara Y, et al.
Acta Radiol [Oncol] 1986 Jul-Dec;25(4-6):291-4
Increased sister chromatid exchange frequency at Xq27 site in affected fragile X males. Wenger SL, et al.
Am J Med Genet 1987 Apr;26(4):909-14
Sister chromatid exchanges induced by behavioral stress. Fischman HK, et al. **Ann NY Acad Sci** 1987;496:426-35
Bloom's syndrome with dimorphism of sister chromatid exchanges in phytohemagglutinin-stimulated lymphocytes [letter] Oono T, et al. **Arch Dermatol** 1987 Aug; 123(8):988-90
Normal sister chromatid exchange in lymphocytes from patients with multiple epidermal cancer? Frentz G, et al.
Arch Dermatol Res 1987;279(3):180-3
Sister chromatid exchanges and cell kinetics in relation to smoking habits. Bigatti MP, et al.
Boll Soc Ital Biol Sper 1987 Jan 31;63(1):69-74
Human leukocyte antigens and sister chromatid exchanges in families with multiple adenomatosis coli. Illeni MT, et al. **Cancer Detect Prev** 1986;9(5-6):459-68
The effect of tobacco smoking on the frequency of sister chromatid exchanges in human lymphocyte chromosomes. Ghosh R, et al. **Cancer Genet Cytogenet** 1987 Jul;27(1):15-9
Induced sister chromatid exchange frequency is not increased in homogeneously staining regions that contain amplified genes. Morgan WF, et al. **Cancer Genet Cytogenet** 1987 Jun;26(2):245-51
Induction of sister chromatid exchanges in cultured adult rat hepatocytes by directly and indirectly acting mutagens/carcinogens. Eckl PM, et al. **Carcinogenesis** 1987 Aug;8(8):1077-83
Sister chromatid exchanges induced by DNA demethylating agents persist through several cell cycles in mammalian cells. Perticone P, et al. **Carcinogenesis** 1987 Aug; 8(8):1059-63
Chinese hamster cells harbouring the Escherichia coli O6-alkylguanine alkyltransferase gene are less susceptible to sister chromatid exchange induction and chromosome damage by methylating agents. White GR, et al.
Carcinogenesis 1986 Dec;7(12):2077-80
An abnormal terminal X-Y interchange accounts for most but not all cases of human XX maleness. Petit C, et al.
Cell 1987 Jun 5;49(5):595-602
Seizure induced changes in sister-chromatid exchange (SCE) frequency in epileptic patients. Maurya AK, et al.
Cell Mol Biol 1987;33(2):237-45
Observations of clinical and chromosomal changes in a case of chronic granulocytic leukemia. Gao JS, et al.
Chin Med J [Engl] 1987 Feb;100(2):158-61
c-myc and functionally related oncogenes induce both high rates of sister chromatid exchange and abnormal karyotypes in rat fibroblasts. Cerni C, et al.
Curr Top Microbiol Immunol 1986;132:193-201
A rapid modified fluorescence-plus-Giemsa technique for sister chromatid exchanges and DNA replication patterns. Spencer T, et al. **Cytobios** 1987;50(202-203):145-50
Determination of the baseline sister chromatid exchange frequency in human and mouse peripheral lymphocytes using monoclonal antibodies and very low doses of bromodeoxyuridine. Tucker JD, et al.
Cytogenet Cell Genet 1986;43(1-2):38-42
Targeting of chemical mutagens to differentiating B-lymphocytes in vivo: detection by direct DNA labeling and sister chromatid exchange induction. Bloom SE, et al.
Environ Mutagen 1987;9(1):3-18
Sister chromatid exchange analysis in lung and peripheral blood lymphocytes of mice exposed to methyl isocyanate by inhalation. Kligerman AD, et al. **Environ Mutagen** 1987; 9(1):29-36
Methyl isocyanate: an evaluation of in vivo cytogenetic activity. Tice RR, et al. **Environ Mutagen** 1987;9(1):37-58
Transfer of 'immortalizing' oncogenes into rat fibroblasts induces both high rates of sister chromatid exchange and appearance of abnormal karyotypes. Cerni C, et al.
Exp Cell Res 1987 Feb;168(2):439-46
The incorporation of deoxyuridine monophosphate into DNA increases the sister-chromatid exchange yield. Pardo EG, et al. **Exp Cell Res** 1987 Feb;168(2):507-17
Influence of pulsing electromagnetic field on the frequency of sister-chromatid exchanges in cultured mammalian cells. Takahashi K, et al. **Experientia** 1987 Mar 15;43(3):331-2
Sister chromatid exchange frequency correlates with age, sex and cigarette smoking in a 5-year material of 553 healthy adults. Husum B, et al. **Hereditas** 1986;105(1):17-21
Extremely high sister chromatid exchange baseline levels in normal, healthy individuals. Wulf HC, et al. **Hereditas** 1987; 106(1):115-8
Eskimoes and Caucasians have the same SCE levels both in Greenland and in Denmark. Wulf HC, et al.
Hereditas 1986;105(2):273-5
Cell cycle rate and sister chromatid exchange profile in polyethylene glycol-exposed/unexposed Bloom syndrome and normal cells. A co-culture study. Bamezai R, et al.
Hum Genet 1987 Apr;75(4):356-8
Three-way differentiation of sister chromatids in endoreduplicated (M3) chromosomes of Bloom syndrome B-lymphoid cell line. Bamezai R, et al. **Hum Genet** 1987 Mar;75(3):239-43
The fragile site (16)(q22). II. Sister chromatid exchanges. Schmid M, et al. **Hum Genet** 1987 Aug;76(4):365-8
Assessment of cytogenetic response to folic acid deprivation in rat lymphocytes. Gollapudi BB, et al.
In Vitro Cell Dev Biol 1986 Nov;22(11):681-4
Sister chromatid exchange and chromosomal breakage in pentachlorophenol (PCP) exposed workers. Ziemsen B, et al. **Int Arch Occup Environ Health** 1987;59(4):413-7
Sister chromatid exchange induction by benzo(a)pryene in cultured peripheral blood lymphocytes of lung cancer patients and healthy individuals with or without familial history of neoplasms. Dosaka H, et al. **Int J Cancer** 1987 Mar 15;39(3):329-32
Duplication 9p due to unequal sister chromatid exchange. Mattina T, et al. **J Med Genet** 1987 May;24(5):303-5
Chromosomal alterations as markers of exposure and effect. Carrano AV. **J Occup Med** 1986 Oct;28(10):1112-6
Sister chromatid exchanges in laboratory cultured cells after repeated exposures to pulsed ultrasound. Barnett SB.
J Ultrasound Med 1987 Jul;6(7):377-83
DNA adducts, protein adducts, and sister chromatid exchange in cigarette smokers and nonsmokers. Perera FP, et al. **JNCI** 1987 Sep;79(3):449-56
Recombination and ligation of transfected DNA in CHO mutant EM9, which has high levels of sister chromatid exchange. Hoy CA, et al. **Mol Cell Biol** 1987 May; 7(5):2007-11
Sister-chromatid exchanges in a special form of xeroderma pigmentosum (form II). Andriadze MI, et al. **Mutat Res** 1987 Sep;180(1):89-92
Sister-chromatid exchanges in human lymphocytes exposed in vitro to therapeutic ultrasound. Ciaravino V, et al.
Mutat Res 1986 Nov;172(2):185-8
Cytological characterization of Chinese hamster ovary X-ray-sensitive mutant cells, xrs 5 and xrs 6. II. Induction of sister-chromatid exchanges and chromosomal aberrations by X-rays and UV-irradiation and their modulation by inhibitors of poly(ADP-ribose) synthetase and alpha-polymerase. Darroudi F, et al. **Mutat Res** 1987 Mar;177(1):149-60
In vitro SCE discrepancy between embryonic and extraembryonic mouse tissues. Elbling L, et al.
Mutat Res 1986 Nov;163(2):175-80
Persistence of SCE-inducing damage in mouse embryos and fetuses following superovulation. Elbling L, et al.
Mutat Res 1987 Jan;176(1):117-22
Effects of high osmotic strength on chromosome aberrations, sister-chromatid exchanges and DNA strand breaks, and the relation to toxicity. Galloway SM, et al. **Mutat Res** 1987 Sep;189(1):15-25
Sister-chromatid exchange and cell proliferation in cultured lymphocytes of passively and actively smoking restaurant personnel. Husgafvel-Pursiainen K. **Mutat Res** 1987 Mar; 190(3):211-5
Uncoupling of the induction of mutations and sister-chromatid exchanges by the replication of 5-bromouracil-substituted DNA. Kaufman ER.
Mutat Res 1987 Jan;176(1):133-41
Effects of repair inhibition in the G1 phase of clastogen-treated human lymphocytes on the frequencies of chromosome-type and chromatid-type aberrations and sister-chromatid exchanges. Kishi K. **Mutat Res** 1987 Jan; 176(1):105-16
Sister-chromatid exchanges induced by mitomycin C after exposure of human lymphocytes in G0 to a low dose of X-radiation. Moquet JE, et al. **Mutat Res** 1987 Jan; 176(1):143-6
Baseline and mutagen-induced sister-chromatid exchanges in cultures of human whole blood and purified fresh or frozen lymphocytes. Murli H, et al. **Mutat Res** 1987 Sep; 180(1):101-8
Sister-chromatid exchange frequencies in fibroblasts and lymphocytes of patients with systemic lupus erythematosus. Palmer RG, et al. **Mutat Res** 1987 Mar;177(1):125-32
Chromosomal aberrations and sister-chromatid exchanges in swine. Rubeš J. **Mutat Res** 1987 Jun;191(2):105-9
SCE levels in Bloom-syndrome cells at very low bromodeoxyuridine (BrdU) concentrations: monoclonal anti-BrdU antibody. Shiraishi Y, et al. **Mutat Res** 1987 Jan;176(1):157-64
Sister-chromatid exchanges in lymphocytes from patients with Schistosoma hematobium. Shubber EK. **Mutat Res** 1987 Sep;180(1):93-9
Chromosomal instability in mutagen-sensitive mutants isolated from mouse lymphoma L5178Y cells. I. Five different genes participate in the formation of baseline sister-chromatid exchanges and spontaneous chromosomal aberrations. Tsuji H, et al. **Mutat Res** 1987 May; 178(1):99-106
A study of sister-chromatid exchange in peripheral lymphocytes of hepatitis B patients with HBsAg positive and their children. Wang PL, et al. **Mutat Res** 1986 Dec; 175(4):249-54
Cytogenetic monitoring of petrochemical workers. Zhou XT, et al. **Mutat Res** 1986 Dec;175(4):237-42
Mitomycin C induced chromosomal aberrations and sister chromatid exchanges (SCEs) in lymphocytes of patients with precancerous and cancerous lesions of the uterine cervix. Murty VV, et al. **Neoplasma** 1987;34(1):101-5
Different mutations are responsible for the elevated sister-chromatid exchange frequencies characteristic of Bloom's syndrome and hamster EM9 cells. Ray JH, et al.
Proc Natl Acad Sci USA 1987 Apr;84(8):2368-71
Enhancement of X-ray-induced sister chromatid exchanges in hypoxic cells. Tofilon PJ, et al. **Radiat Res** 1987 Mar; 109(3):449-55
Isolation of temperature-sensitive mouse FM3A cell mutants exhibiting conditional chromosomal instability. Tsuji H, et al. **Somatic Cell Mol Genet** 1986 Nov;12(6):595-610
[Effect of acupuncture anesthesia in thyroidectomy on sister chromatid exchanges (SCE) and RNA/DNA rations in lymphocytes] Liu YT. **Chen Tzu Yen Chiu** 1986;11(2):91-5 (Eng. Abstr.) (Chi)
[Sister chromatid exchanges (SCE), chromosomal aberrations and micronuclei of cultured peripheral lymphocytes in patients with lung cancer, miners and non-mining workers of the tin mine in Yunnan] Hu GG, et al.
Chung Hua Chung Liu Tsa Chih 1987 Jan;9(1):29-32 (Eng.

Abstr.) (Chi)
[Mutagenicity of gastric juice in patients with chronic gastritis] Zhang RF, et al. **Chung Hua Chung Liu Tsa Chih** 1986 Nov;8(6):427–9 (Eng. Abstr.) (Chi)
[Sister chromatid exchange rate in detecting susceptible individuals to esophageal cancer] Xu NZ. **Chung Hua I Hsueh Tsa Chih** 1986 Dec;66(12):733–5, 776 (Eng. Abstr.) (Chi)
[Current cytogenetic technics and application to the protection of workers] Frédéric J, et al. **Bull Mem Acad R Med Belg** 1986;141(3–4):276–87 (Eng. Abstr.) (Fre)
[Sister chromatid exchanges and chromosome aberrations as parameters for human risk of cancer development] Morimoto K. **Gan No Rinsho** 1987 Apr;33(5 Suppl):587–95 (Eng. Abstr.) (Jpn)
[Sister chromatid exchange and detection of cancer predisposition] Oikawa A. **Gan No Rinsho** 1987 Apr;33(5 Suppl):596–9 (Eng. Abstr.) (Jpn)
[Sister chromatid exchange (SCE) in lymphocytes of patients with cancer of the cervix uteri] Yokota K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1987 Feb;39(2):249–55 (Eng. Abstr.) (Jpn)
[Evaluation of cell proliferation kinetics by the differential staining of the sister chromatids at 2 points of cell fixation] Nazarenko SA, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):457–9 (Eng. Abstr.) (Rus)
[Participation of DNA repair processes in altering the frequency of sister chromatid exchanges in the peripheral blood lymphocytes in inflammatory diseases] Umnova NV, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):743–5 (Eng. Abstr.) (Rus)
[Reproduction in the 2b1d nuclear cycle of chromatid aberrations induced in Crepis capillaris cells by neutrons and 5-fluoro-2-deoxyuridine] Beliaev IIa, et al. **Dokl Akad Nauk SSSR** 1987 Jul–Aug;295(1):227–30 (Rus)
[Modeling of induction and elimination of sister chromatid exchanges in time] Golovina ME, et al. **Genetika** 1987 Jan; 23(1):55–62 (Eng. Abstr.) (Rus)
[Changes in the number of sister chromatid exchanges in cultured Chinese hamster cells with limited proliferation. Additional studies] Khokhlov AN, et al. **Tsitol Genet** 1987 May–Jun;21(3):186–90 (Eng. Abstr.) (Rus)
[Chromosome instability in multiple sclerosis] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1987;87(2):206–8 (Eng. Abstr.) (Rus)
[The incidence of sister chromatid exchanges (SCE) and the kinetics of lymphocyte division in Down's syndrome] Konečná H, et al. **Bratisl Lek Listy** 1986 Sep;86(3):281–6 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Sensitivity of lymphocytes from patients with systemic lupus erythematosus to the induction of sister chromatid exchanges by alkylating agents and bromodeoxyuridine. Palmer RG, et al. **Ann Rheum Dis** 1987 Feb;46(2):110–3
Sister chromatid exchanges in rat pleural mesothelial cells treated with crocidolite, attapulgite, or benzo 3-4 pyrene. Achard S, et al. **Br J Ind Med** 1987 Apr;44(4):281–3
The relationship between sister chromatid exchange induction and leukemogenicity of different cytostatics. Raposa T, et al. **Cancer Detect Prev** 1987;10(1–2):141–51
Continued cell cycling ability of HL-60 cells following 3HaraC incorporation: a combination of "double-labeling" and sister chromatid analysis. Sailer M, et al. **Cancer Genet Cytogenet** 1987 Aug;27(2):311–8
Induction of sister chromatid exchange and dominant lethal mutation by 'Katha' (catechu) in male mice. Giri AK, et al. **Cancer Lett** 1987 Aug;36(2):189–96
Increased frequencies of alpha-naphthoflavone induced sister chromatid exchanges in long-term survivors of childhood acute lymphoblastic leukemia. Lundgren K, et al. **Cancer Lett** 1987 Aug;36(2):213–9
Effect of caffeine on cytotoxicity and sister chromatid exchange induction in sensitive and resistant rat brain tumor cells treated with 1,3-bis(2-chloroethyl)-1-nitrosourea. Aida T, et al. **Cancer Res** 1987 Oct 1;47(19):5052–8
Tumorigenesis and genotoxicity of ethyl carbamate and vinyl carbamate in rodent cells. Allen JW, et al. **Cancer Res** 1986 Oct;46(10):4911–5
Effects of alpha-naphthoflavone on levels of sister chromatid exchanges in lymphocytes from active and passive cigarette smokers: dose-response relationships. Collman GW, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6452–5
Cell cycle dependence of sister chromatid exchange induction by DNA topoisomerase II inhibitors in Chinese hamster V79 cells. Dillehay LE, et al. **Cancer Res** 1987 Jan 1; 47(1):206–9
Sister chromatid exchange induction in patients with anaplastic gliomas undergoing treatment with radiation plus diaziquone or 1,3-bis(2-chloroethyl)-1-nitrosourea. Kligerman AD, et al. **Cancer Res** 1987 Jan 15;47(2):631–5
cis-Diamminedichloroplatinum(II)-induced sister chromatid exchange: an indicator of sensitivity and heterogeneity in primary human tumor cell cultures. Tofilon PJ, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6156–9
Inhibition of O6-alkylguanine-DNA-alkyltransferase activity potentiates cytotoxicity and induction of SCEs in human glioma cells resistant to 1,3-bis(2-chloroethyl)-1-nitrosourea. Aida T, et al. **Carcinogenesis** 1987 Sep;8(9):1219–23
Epidermal growth factor induces cytogenetic damage in mammalian cells. Kelsey KT, et al. **Carcinogenesis** 1987 Apr;8(4):625–7
Effect of aliphatic amides on oncogenic transformation, sister chromatid exchanges, and mutations induced by cyclopenta[cd]-pyrene and benzo[a]pyrene. Krolewski B, et al. **Carcinogenesis** 1986 Oct;7(10):1647–50
Nicotinamide deficiency and benzamide-induced sister chromatid exchanges. Lindahl-Kiessling K, et al. **Carcinogenesis** 1987 Sep;8(9):1185–8
DNA alkylation repair and the induction of cell death and sister chromatid exchange in human cells. Samson L, et al. **Carcinogenesis** 1987 Feb;8(2):227–30
High local carcinogenic activity of 1,3-dimethyl-3-phenyl-1-nitrosourea and its inactivation by intravenous application in rats: comparison of in vivo findings with the in vitro direct and a combined in vivo/in vitro sister chromatid exchange assay in V79-E cells. Thust R, et al. **Carcinogenesis** 1987 Feb;8(2):237–40
Detection of bromodeoxyuridine incorporation in mammalian chromosomes by a bromodeoxyuridine antibody. II. Demonstration of sister chromatid exchanges. Speit G, et al. **Chromosoma** 1986;94(2):103–6
Enhancement and attenuation of cytogenetic damage by vitamin C in cultured human lymphocytes exposed to thiotepa or L-ethionine. Lialiaris T, et al. **Cytogenet Cell Genet** 1987;44(4):209–14
Mutagenicity of inhalation anaesthetics studied by the sister chromatid exchange test in lymphocytes of patients and operating room personnel. Husum B. **Dan Med Bull** 1987 Jun;34(3):159–70 (84 ref.)
Evaluation of sister chromatid exchange and cytotoxicity in murine tissues in vivo and lymphocytes in vitro following methyl isocyanate exposure. Conner MK, et al. **Environ Health Perspect** 1987 Jun;72:177–82
Genotoxicity of three-carbon compounds evaluated in the SCE test in vitro. von der Hude W, et al. **Environ Mutagen** 1987;9(4):401–10
In vivo induction of sister chromatid exchanges in mice by nitrosated coal dust extract. Krishna G, et al. **Environ Res** 1987 Feb;42(1):106–13
Mutagenic risk in epileptic patients before and after anticonvulsant therapy. Goyle S, et al. **Epilepsia** 1987 Jan–Feb;28(1):81–6
5-Bromodeoxyuridine-dependent increase in sister chromatid exchange formation in Bloom's syndrome is associated with reduction in topoisomerase II activity. Heartlein MW, et al. **Exp Cell Res** 1987 Mar;169(1):245–54
Analysis of low concentrations of 5-bromo-2-deoxyuridine on sister chromatid exchanges in human lymphocytes. Richer CL, et al. **Genome** 1987 Feb;29(1):165–8
Induction of sister chromatid exchange by ethyl carbamate and vinyl carbamate. Conner MK. **IARC Sci Publ** 1986; (70):313–20
Chromosome damage and second malignancy in patients treated with melphalan. Lambert B, et al. **IARC Sci Publ** 1986;(78):147–60
Toxic and genotoxic action of electric-arc welding fumes on cultured mammalian cells. Baker RS, et al. **J Appl Toxicol** 1986 Oct;6(5):357–62
Evaluation of the mutagenic potential of enflurane and isoflurane by sister chromatid exchange. Trudnowski RJ, et al. **J Med Clin Exp Theor** 1987;18(1):55–60
Cytogenetic effects of multiagent chemotherapy on the peripheral lymphocytes of patients with small cell lung cancer. Tominaga K, et al. **Jpn J Cancer Res** 1986 Dec; 77(12):1241–8
Mutagenicity and clastogenicity of the antineoplastic agents homo-azasteroidal ester of p-bis(2-chloroethyl)aminophenyl acetic acid and chlorambucil. Athanasiou K, et al. **Mutat Res** 1986 Nov; 175(3):165–9
Analysis of cytogenetic effect in human lymphocytes induced by metabolically activated 2-nitropropane. Bauchinger M, et al. **Mutat Res** 1987 Mar;190(3):217–9
Cytogenetic analysis in workers occupationally exposed to nickel carbonyl. Cai DC, et al. **Mutat Res** 1987 Jun; 188(2):149–52
Sister-chromatid exchange in spleenic lymphocytes of mice after exposure to nifurtimox or benznidazole. Gorla NB. **Mutat Res** 1987 Jun;188(2):129–33
Retinol (vitamin A) inhibition of dimethylnitrosamine (DMN) and diethylnitrosamine (DEN) induced sister-chromatid exchanges in V79 cells and mutations in Salmonella/microsome assays. Huang CC. **Mutat Res** 1987 Mar;187(3):133–40
Effects of vanillin on sister-chromatid exchanges and chromosome aberrations in human lymphocytes. Jansson T, et al. **Mutat Res** 1987 Mar;190(3):221–4
Hypersensitivity of Bloom's syndrome fibroblasts to N-ethyl-N-nitrosourea. Kurihara T, et al. **Mutat Res** 1987 Sep;184(2):147–51
Iron-mediated induction of sister-chromatid exchanges by hydrogen peroxide and superoxide anion. Larramendy M, et al. **Mutat Res** 1987 May;178(1):57–63
Changes of SCE frequency and chromatin molecular composition in rat progeny whose mothers were treated with oral contraceptives in early pregnancy. Liu C, et al. **Mutat Res** 1987 Sep;180(1):115–20
Sister-chromatid exchanges in newborns after normal and progesterone-treated pregnancies. Lukić B, et al. **Mutat Res** 1987 Jun;191(2):121–4
Effects of 5-bromo-2-deoxyuridine concentration and alpha-naphthoflavone on the association between smoking and the frequency of sister-chromatid exchanges in lymphocytes from maternal and cord blood. Lundgren K, et al. **Mutat Res** 1987 Jul;188(3):223–31
Induction of sister-chromatid exchanges and chromosomal aberrations in hematopoietic tissue of a marine fish following in vivo exposure to genotoxic carcinogens. Maddock MB, et al. **Mutat Res** 1986 Nov;172(2):165–75
Hepatocyte-mediated SCE induction by indirect mutagens: importance of hepatocyte density and cell-to-cell contact. Madle E, et al. **Mutat Res** 1987 Jun;188(2):153–60
Analysis of spontaneous sister-chromatid exchanges in vivo by three-way differentiation. Morales-Ramírez P, et al. **Mutat Res** 1987 May;178(1):49–56
Induction of cytogenetic damage by modified steroidal derivatives of p-bis(2-chloroethyl)aminophenylacetic acid in human lymphocytes. Mourelatos D, et al. **Mutat Res** 1987 Mar;190(3):205–10
Mutagenic bioassay of certain pharmacological drugs. I. Thiabendazole (TBZ). Mudry de Pargament MD, et al. **Mutat Res** 1987 May;188(1):1–6
Sister-chromatid exchanges in peripheral lymphocytes of workers occupationally exposed to xylenes. Pap M, et al. **Mutat Res** 1987 Apr;187(4):223–5
Effects of liquid holding by L-ethionine on the SCE frequency induced by nitrogen mustard in human lymphocyte cultures. Perticone P, et al. **Mutat Res** 1986 Nov;175(3):171–7
Cytogenetic evaluations in human lymphocytes exposed to methyl acetimidate, a lysine-specific protein crosslinking agent. Richardson VB, et al. **Mutat Res** 1987 Sep; 180(1):121–9
Effect of cigarette-smoke condensate and norharman on the induction of SCEs by direct and indirect mutagens in CHO cells. Rutten AA, et al. **Mutat Res** 1986 Oct;172(1):61–7
Effects of vanillin on sister-chromatid exchanges and chromosome aberrations induced by mitomycin C in cultured Chinese hamster ovary cells. Sasaki YF, et al. **Mutat Res** 1987 Jul–Aug;191(3–4):193–200
Cytogenetic studies on 1,1-dichloroethylene and its two isomers in mammalian cells in vitro and in vivo. Sawada M, et al. **Mutat Res** 1987 Mar;187(3):157–63
Comparison of S9 fractions from rats, mice, and Chinese hamsters to metabolize dimethylnitrosamine and diethylnitrosamine to intermediates that induce sister-chromatid exchanges in V79 cells. Sirianni SR, et al. **Mutat Res** 1987 May;188(1):7–11
Cytogenetic effects of penicillamine. Speit G, et al. **Mutat Res** 1987 Mar;190(3):197–203
The effect of agent treatment time on the induction of sister-chromatid exchanges in mouse bone marrow cells in vivo. Tice RR, et al. **Mutat Res** 1987 Feb;182(1):15–29
Proliferation-dependent reduction of sister-chromatid exchange frequency induced by mitomycin C in human lymphoblastoid cells and its suppression by inhibitors of DNA replication. Tohda H, et al. **Mutat Res** 1986 Nov; 163(2):167–74
Chromosomal instability in mutagen-sensitive mutants isolated from mouse lymphoma L5178Y cells. II. Abnormal induction of sister-chromatid exchanges and chromosomal aberrations by mutagens in an ionizing radiation-sensitive mutant (M10) and an alkylating agent-sensitive mutant (MS1). Tsuji H, et al. **Mutat Res** 1987 May;178(1):107–16
Effects of anticoagulants upon sister-chromatid exchanges, cell-cycle kinetics, and mitotic index in human peripheral lymphocytes. Tucker JD, et al. **Mutat Res** 1987 Mar; 190(3):225–8
Induction of sister-chromatid exchanges by pesticides in primary rat tracheal epithelial cells and Chinese hamster ovary cells. Wang TC, et al. **Mutat Res** 1987 Aug; 188(4):311–21
Chloramine-induced sister-chromatid exchanges. Weitberg AB. **Mutat Res** 1987 Apr;190(4):277–80
Antioxidants inhibit the effect of vitamin C on oxygen radical-induced sister-chromatid exchanges. Weitberg AB. **Mutat Res** 1987 May;191(1):53–6
Cyclophosphamide-induced cytogenetic effects in mouse bone marrow and spleen cells in in vivo and in vivo/in vitro assays. Krishna G, et al. **Teratogenesis Carcinog Mutagen** 1987;7(2):183–95
Enhancement of cytogenetic damage by inhibitors of poly(ADP-ribose)polymerase in human lymphocytes exposed to antineoplastics in vivo and in vitro. Mourelatos D, et al. **Teratogenesis Carcinog Mutagen** 1986;6(6):485–92
Spontaneous and MMC induced SCE in lymphocytes from patients with cervical cancer. Sou S, et al. **Tohoku J Exp Med** 1986 Aug;149(4):417–23
Toxicity of 5-methoxymethyl-2'-deoxyuridine in hamsters and evaluation of its mutagenicity by sister chromatid exchanges and hypoxanthine guanine phosphoribosyl transferase assays. Ayisi NK, et al. **Toxicol Appl Pharmacol** 1986 Nov;86(2):180–8
Dioxin treatment of rats results in increased in vitro induction of sister chromatid exchanges by alpha-naphthoflavone: an animal model for human exposure to halogenated aromatics. Lundgren K, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):189–95
In vivo exposure to four ellipticine derivatives with topoisomerase inhibitory activity results in chromosome clumping and sister chromatid exchange in murine bone

marrow cells. Renault G, et al. **Toxicol Appl Pharmacol** 1987 Jun 30;89(2):281–6

Cadmium sulfate does not induce sister chromatid exchanges in human lymphocytes in vitro. Bassendowska-Karska E, et al. **Toxicol Lett** 1987 Jul;37(2):173–5

Chromosome aberrations and sister-chromatid exchanges induced by technical grade toluene diisocyanate and methylenediphenyl diisocyanate in cultured human lymphocytes. Mäki-Paakkanen J, et al. **Toxicol Lett** 1987 Mar;36(1):37–43

Sister-chromatid exchanges in the lymphocytes of people exposed to environmental cadmium. Nogawa K, et al. **Toxicol Lett** 1986 Sep;32(3):283–8

The use of differential staining of sister chromatid to estimate the in vitro effect of human alpha interferon on cell division in normal and tumour cells. Georgian L, et al. **Virologie** 1986 Oct-Dec;37(4):257–61

Cytogenetic effects on mouse fetus of acute and chronic transplacental in vivo exposure to carbon monoxide: induction of micronuclei and sister chromatid exchanges. Kwak HM, et al. **Yonsei Med J** 1986;27(3):205–12

Cytogenetic effects of the insecticide methamidophos in mouse bone marrow and cultured mouse spleen cells. Amer SM, et al. **Z Naturforsch [C]** 1987 Jan-Feb;42(1-2):21–30

[Peripheral blood lymphocyte SCE and cell kinetics in workers exposed to ethylene oxide] Yang DY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Mar;20(2):90–1 (Eng. Abstr.) **(Chi)**

[A study on the mutagenicity of Sumithion] Yu YD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Nov; 20(6):354–5 (Eng. Abstr.) **(Chi)**

[The induction of sister chromatid exchange by diethylstilbestrol and mitomycin C in lymphocytes of mothers and their newborn infants] Chen X, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1987 Apr; 184(1):78–86 (Eng. Abstr.) **(Ger)**

[Anticancer drug induced sister chromatid exchange and correlation to cell survival in human brain tumor cells] Aida T, et al. **No To Shinkei** 1987 Mar;39(3):235–41 (Eng. Abstr.) **(Jpn)**

[Anticlastogenic effect of selenium on chromosome aberrations and bleomycin-induced sister chromatid exchange] Zajaczek S, et al. **Folia Med Cracov** 1987; 28(1-2):155–64 (Eng. Abstr.) **(Pol)**

[Sister chromatid exchange in human cells in vitro after exposure to lead chloride and ethyl alcohol and its metabolites] Bassendowska-Karska E, et al. **Rocz Panstw Zakl Hig** 1986;37(4):278–85 (Eng. Abstr.) **(Pol)**

[Effect of beta-aescin on the incidence of sister chromatid exchanges in V79 cells] Chalupa I, et al. **Bratisl Lek Listy** 1987 Jan;87(1):51–61 (Eng. Abstr.) **(Slo)**

[Cytogenetic evaluation of the damage induced by benzimidazoles for therapeutic use in parasitology (letter)] Mudry de Pargament MD, et al. **Medicina (B Aires)** 1986; 46(1):125–6 **(Spa)**

RADIATION EFFECTS

Dysplastic nevus syndrome: ultraviolet hypermutability confirmed in vitro by elevated sister chromatid exchanges. Jung EG, et al. **Dermatologica** 1986;173(6):297–300

Effects of radiofrequency radiation and simultaneous exposure with mitomycin C on the frequency of sister chromatid exchanges in Chinese hamster ovary cells. Ciaravino V, et al. **Environ Mutagen** 1987;9(4):393–9

The effect of low-level 60-Hz electromagnetic fields on human lymphoid cells. II. Sister-chromatid exchanges in peripheral lymphocytes and lymphoblastoid cell lines. Cohen MM, et al. **Mutat Res** 1986 Nov;172(2):177–84

Sister-chromatid exchanges induced by ultraviolet light in Bloom's syndrome fibroblasts. Kurihara T, et al. **Mutat Res** 1987 Mar;183(2):197–202

Production of sister-chromatid exchange by irradiation during the G1 stage: the probable role of 5-bromodeoxyuridine. Luchnik NV, et al. **Mutat Res** 1987 Feb;190(2):149–52

Effects of UV-irradiation on the SCE frequency in human lymphocyte cultures. Perticone P, et al. **Mutat Res** 1986 Oct;175(2):83–9

Excessive chromosome fragility and abundance of sister-chromatid exchanges induced by UV in an Indian muntjac cell line defective in postreplication (daughter strand) repair. Pillidge L, et al. **Mutat Res** 1986 Nov; 166(3):265–73

Chromosomal instability in mutagen-sensitive mutants isolated from mouse lymphoma L5178Y cells. II. Abnormal induction of sister-chromatid exchanges and chromosomal aberrations by mutagens in an ionizing radiation-sensitive mutant (M10) and an alkylating agent-sensitive mutant (MS1). Tsuji H, et al. **Mutat Res** 1987 May;178(1):107–16

Studies on sister chromatid exchange (SCE) induction by gamma-irradiation and protective effect of L-cysteine in HeLa cells. Shah VC, et al. **Strahlenther Onkol** 1987 Jan; 163(1):54–60

[Influence of microwaves on the frequency of human peripheral blood lymphocyte sister chromatid exchange in male contraception] Wu LF, et al. **Hua Hsi I Ko Ta Hsueh Hsueh Pao** 1987 Mar;18(1):22–4 (Eng. Abstr.) **(Chi)**

SITOSTEROLS

ANALYSIS

Biologically active phytoestrogens are present in bourbon. Gavaler JS, et al. **Alcoholism (NY)** 1987 Aug;11(4):399–406

[Chemical constituents of Typha angustata and Typha angustifolia] Yang YH. **Chung Yao Tung Pao** 1986 Dec; 11(12):39–42 **(Chi)**

ISOLATION & PURIFICATION

[Chemical constituents of Melastoma polyanthum] Liu SR. **Chung Yao Tung Pao** 1986 Dec;11(12):42–3 **(Chi)**

METABOLISM

Distribution and partitioning of cholesterol and beta-sitosterol in micellar bile salt solutions. Chijiiwa K. **Am J Physiol** 1987 Sep;253(3 Pt 1):G268–73

Invcstigation of the role of micellar phospholipid in the preferential uptake of cholesterol over sitosterol by dispersed rat jejunal villus cells. Child P, et al. **Biochem Cell Biol** 1986 Aug;64(8):847–53

Metabolism of 24-ethyl-4-cholesten-3-one and 24-ethyl-5-cholesten-3 beta-ol (sitosterol) after intraperitoneal injection in the rat. Boberg KM, et al. **Scand J Clin Lab Invest [Suppl]** 1986;184:47–54

PHARMACODYNAMICS

Visible fibrinolysis by endothelial cells: effect of vitamins and sterols. Kojima S, et al. **Biosci Rep** 1986 Dec;6(12):1029–33

Activation of peritoneal macrophages by sitoindoside-IV, an anti-ulcerogenic acylsterylglycoside from Musa paradisiaca. Chattopadhyay S, et al. **Planta Med** 1987 Feb; 53(1):16–8

THERAPEUTIC USE

Effect of low-dose sitostanol on serum cholesterol in patients with hypercholesterolemia. Heinemann T, et al. **Atherosclerosis** 1986 Sep;61(3):219–23

SITS see under **STILBENES**

SITUATIONAL ETHICS see **ETHICS**

SITUATIONAL THERAPY see **SOCIOENVIRONMENTAL THERAPY**

SITUS INVERSUS

COMPLICATIONS

Diffuse idiopathic skeletal hyperostosis (DISH) and situs viscerum inversus. Report of a single case. Ciocci A. **Clin Exp Rheumatol** 1987 Apr-Jun;5(2):159–60

Renal cell carcinoma in a patient with situs inversus totalis. Bertini JE Jr, et al. **J Surg Oncol** 1987 Jan;34(1):29–31

Aplasia of nasal cilia with situs inversus, azoospermia and normal sperm flagella: a unique variant of the immotile cilia syndrome. Matwijiw I, et al. **J Urol** 1987 Mar; 137(3):522–4

[Klinefelter's syndrome associated with situs inversus (letter)] Garcin JM, et al. **Presse Med** 1987 Jun 13;16(22):1099 **(Fre)**

[Selective proximal vagotomy in complete situs inversus of the internal organs] Ivanov NN, et al. **Vestn Khir** 1987 Mar;138(3):69–70 **(Rus)**

[Total situs inversus associated with Lutembacher syndrome] Malkun C, et al. **Arch Inst Cardiol Mex** 1986 Sep-Oct; 56(5):413–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Left-side appendicitis] Dikach VG. **Klin Khir** 1987;(6):75 **(Rus)**

[Acute appendicitis in children with an appendix on the left] Solov'ev AE, et al. **Klin Khir** 1987;(6):33–4 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial situs inversus and congenital heart defects. Zlotogora J, et al. **Am J Med Genet** 1987 Jan;26(1):181–4

RADIOGRAPHY

[Radiological diagnosis of cardiac and cardiovisceral malpositions. Report of 100 cases] de Medeiros Sobrinho JH, et al. **Arq Bras Cardiol** 1986 Jun;46(6):387–94 (Eng. Abstr.) **(Por)**

RADIONUCLIDE IMAGING

"Pseudo" abdominal situs inversus following trauma. Grimmond AP, et al. **Clin Nucl Med** 1986 Nov;11(11):809

Hepatic cirrhosis in a patient with total situs inversus. Unique findings on liver-spleen imaging [corrected and republished article originally printed in Clin Nucl Med 1986 Oct;11(10):726-7] Kuhn MJ, et al. **Clin Nucl Med** 1987 Mar; 12(3):243–4

SURGERY

[Left-sided appendix and appendicitis] Ravn F, et al. **Ugeskr Laeger** 1987 Apr 6;149(15):978–9 (Eng. Abstr.) **(Dan)**

SIZE PERCEPTION

Micropsia and metamorphopsia in the re-attached macula following retinal detachment. Sjöstrand J, et al. **Acta Ophthalmol (Copenh)** 1986 Aug;64(4):425–32

The category effect with rating scales: number of categories, number of stimuli, and method of presentation. Parducci A, et al. **J Exp Psychol [Hum Percept]** 1986 Nov; 12(4):496–516

Effects of blurring and stimulus size on the lateralized processing of nonverbal stimuli. Michimata C, et al. **Neuropsychologia** 1987;25(2):397–407

Relative size and spatial separation: effects on the parallel-lines illusion. Schiano DJ. **Percept Mot Skills** 1986 Dec;63(3):1151–5

Apparent height of a stereokinetic cone is decreased by departure from circularity. Wilson JA, et al. **Perception** 1986;15(4):399–403

Psychological analyses of haptic and haptic-visual judgements of extent. Jones B. **Q J Exp Psychol [A]** 1983 Nov;35 Pt 4:597–606

[Peak shift: perception related or motivational cause?] Hammerl M, et al. **Z Exp Angew Psychol** 1987;34(3):370–81 (Eng. Abstr.) **(Ger)**

[Additive-related measurement of perceived surface size: an experimental procedure for solving test problems] Lukas J. **Z Exp Angew Psychol** 1987;34(3):416–30 (Eng. Abstr.) **(Ger)**

[Sequential dependencies in judgments of horizontal line lengths: application of attention band theory] Mori S. **Shinrigaku Kenkyu** 1986 Dec;57(5):261–5 (Eng. Abstr.) **(Jpn)**

[Estimation by toads of the distance to the moving objects and their true size: neuroethological and comparative aspects] Bastakov VA. **Zh Evol Biokhim Fiziol** 1987 Jan-Feb;23(1):92–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Size-threshold changes after lesions of the visual telencephalon in pigeons. Hodos W, et al. **Behav Brain Res** 1986 Sep;21(3):203–14

The influence of letter size on the focusing response of the eye. Lovasik JV, et al. **J Am Optom Assoc** 1987 Aug; 58(8):631–9

Human ocular vergence movements induced by changing size and disparity. Erkelens CJ, et al. **J Physiol (Lond)** 1986 Oct;379:145–69

The responsiveness of Clare-Bishop neurons to size cues for motion stereopsis. Toyama K, et al. **Neurosci Res** 1986 Dec; 4(2):110–28

[Role of the right cerebral hemisphere in assuring the constant perception of the dimensions of objects] Menshutkin VV, et al. **Fiziol Cheloveka** 1987 Mar-Apr; 13(2):324–6 **(Rus)**

SJOGREN-LARSSON SYNDROME see **ICHTHYOSIS**

SJOGREN'S SYNDROME

Sjögren's syndrome. Association of cutaneous vasculitis with central nervous system disease. Alexander E, et al. **Arch Dermatol** 1987 Jun;123(6):801–10 (50 ref.)

Sjögren's syndrome [letter] Daniels TE. **Oral Surg Oral Med Oral Pathol** 1987 Jun;63(6):674–5

Sjögren's syndrome: clinical and laboratory features, immunopathogenesis, and management. Scully C. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):510–23 (166 ref.)

Proceedings of: 1st International Seminar on Sjögren's Syndrome 1986. Copenhagen, May, 1986. **Scand J Rheumatol [Suppl]** 1986;61:1–291

Experimental Sjögren's syndrome: a review. Tarkowski A, et al. **Scand J Rheumatol [Suppl]** 1986;61:274–9 (37 ref.)

BLOOD

Lymphoproliferative disease in primary B-cell immunodeficiency. Lymphoplasmocytoid lymphoma or Sjögren's pseudo-lymphoma? Montecucco C, et al. **Haematologica (Pavia)** 1986 May-Jun;71(3):237–40

Essential fatty acid and prostaglandin metabolism in Sjögren's syndrome, systemic sclerosis and rheumatoid arthritis. Horrobin DF. **Scand J Rheumatol [Suppl]** 1986;61:242–5 (16 ref.)

Platelets in blood and salivary glands of patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:170–2

CLASSIFICATION

Sjögren's syndrome: comments on the proposed criteria for classification [letter] Manthorpe R, et al. **Arthritis Rheum** 1987 Aug;30(8):954–6

First international symposium on Sjögren's syndrome: suggested criteria for classification. Fox RI, et al. **Scand J Rheumatol [Suppl]** 1986;61:28–30

Criteria for Sjögren's syndrome in Japan. Homma M, et al. **Scand J Rheumatol [Suppl]** 1986;61:26–7

The Copenhagen criteria for Sjögren's syndrome. Manthorpe R, et al. **Scand J Rheumatol [Suppl]** 1986;61:19–21

Editorial comments to the four sets of criteria for Sjögren's syndrome. Manthorpe R, et al. **Scand J Rheumatol [Suppl]** 1986;61:31–5

Definition and criteria for Sjögren's syndrome used by the contributors to the First International Seminar on Sjögren's syndrome--1986. Prause JU, et al. **Scand J Rheumatol [Suppl]** 1986;61:17–8

Comparing diagnostic criteria for the salivary component of Sjögren's syndrome. Schiødt M, et al. **Scand J Rheumatol [Suppl]** 1986;61:44–6

Preliminary diagnostic criteria for Sjögren's syndrome. Skopouli FN, et al. **Scand J Rheumatol [Suppl]** 1986;61:22–5

COMPLICATIONS

Vasculitis in primary Sjögren's syndrome. Histologic classification and clinical presentation. Tsokos M, et al. **Am J Clin Pathol** 1987 Jul;88(1):26–31

Primary Sjögren's syndrome with diffuse cerebral vasculitis and lymphocytic interstitial pneumonitis. Ferreiro JE, et al. **Am J Med** 1987 Jun;82(6):1227–32

Benign hypergammaglobulinemic purpura of Waldenström associated with Sjögren's syndrome. Case report and review of immunologic aspects. Ferreiro JE, et al. **Am J Med** 1986 Oct;81(4):734–40

Sjögren's syndrome. A dry-eyed diary. Tarail J. **Am J Nurs** 1987 Mar;87(3):324–6

Sjögren's syndrome and thymoma. Insler MS, et al. **Am J Ophthalmol** 1987 Jul 15;104(1):90–1

Subacute sensory neuronopathy secondary to dorsal root ganglionitis in primary Sjögren's syndrome. Malinow K, et al. **Ann Neurol** 1986 Oct;20(4):535–7

Prevalence of Sjögren's syndrome in autoimmune diseases. Coll J, et al. **Ann Rheum Dis** 1987 Apr;46(4):286–9

Sjögren's syndrome, vasculitis, and cryoglobulinaemia associated with a monoclonal IgM (kappa) paraprotein with rheumatoid factor activity. Fitzgerald S, et al. **Ann Rheum Dis** 1987 Jun;46(6):485–7

Thyroid disorders in systemic lupus erythematosus are associated with secondary Sjögren's syndrome [letter] Jonsson H, et al. **Ann Rheum Dis** 1987 Apr;46(4):349

T cell lymphoma in a patient with longstanding rheumatoid arthritis and Sjögren's syndrome [letter] Isenberg DA, et al. **Arthritis Rheum** 1987 Jan;30(1):115–7

Acute transverse myelopathy successfully treated with plasmapheresis and prednisone in a patient with primary Sjögren's syndrome. Konttinen YT, et al. **Arthritis Rheum** 1987 Mar;30(3):339–44

Sjögren-like syndrome in kappa chain deficiency [letter] Montecucco C, et al. **Arthritis Rheum** 1986 Dec; 29(12):1532–3

Primary Sjögren's syndrome associated with systemic necrotizing vasculitis: a fatal case [letter] Sato K, et al. **Arthritis Rheum** 1987 Jun;30(6):717–8

Renal and pancreatic calcification in rheumatoid arthritis with Sjögren's syndrome. Grindulis KA, et al. **Br J Rheumatol** 1987 Jun;26(3):212–5

Neurological complications of Sjogren's syndrome: a report of two cases. Fei YX, et al. **Chin Med J [Engl]** 1986 Sep; 99(9):751–4

Epilepsia partialis continua in Sjögren's syndrome. Bansal SK, et al. **Epilepsia** 1987 Jul–Aug;28(4):362–3

Renal tubular acidosis in association with Sjögren's syndrome, primary biliary cirrhosis and coeliac disease. Whitehead EM, et al. **Ir J Med Sci** 1987 Apr;156(4):124–5

Anhidrosis (hypohidrosis) in Sjögren's syndrome. Mitchell J, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):233–5

Chronic relapsing inflammatory polyneuropathy complicating sicca syndrome [letter] Gross M. **J Neurol Neurosurg Psychiatry** 1987 Jul;50(7):939–40

Sjögren's syndrome: severe upper airways obstruction due to primary malignant tracheal lymphoma developing during successful treatment of lymphocytic interstitial pneumonitis. Kamholz S, et al. **J Rheumatol** 1987 Jun; 14(3):588–94

Cardiac tamponade in Sjögren's syndrome [letter] Mohri H, et al. **J Rheumatol** 1986 Aug;13(4):830–1

Coexistence of Sjögren's syndrome associated systemic sclerosis with Adie's syndrome [letter] Rossi P, et al. **J Rheumatol** 1986 Aug;13(4):823–5

Successful treatment of aplastic anemia associated with chronic thyroiditis and Sjögren's syndrome [letter] Yoshida H, et al. **J Rheumatol** 1986 Dec;13(6):1189–90

Central nervous system (CNS) manifestations of primary Sjögren's syndrome: an overview. Alexander EL. **Scand J Rheumatol [Suppl]** 1986;61:161–5

Respiratory involvement in patients with Sjögren's syndrome: is it a problem? Constantopoulos SH, et al. **Scand J Rheumatol [Suppl]** 1986;61:146–50

The effect of bromhexine on the kidney lesions in NZB-NZW-F1 mice. Prause JU, et al. **Scand J Rheumatol [Suppl]** 1986;61:286–90

Kidney involvement in primary Sjögren's syndrome. Siamopoulos KC, et al. **Scand J Rheumatol [Suppl]** 1986; 61:156–60

Lymphoproliferative disorders in Japanese patients with Sjögren's syndrome. Sugai S, et al. **Scand J Rheumatol [Suppl]** 1986;61:118–22

The gastrointestinal involvement in primary Sjögren's syndrome. Tsianos EB, et al. **Scand J Rheumatol [Suppl]** 1986;61:151–5

Lymphoma in Sjögren's syndrome: urinary monoclonal free light chains as a diagnostic aid and a means of tumour monitoring. Walters MT, et al. **Scand J Rheumatol [Suppl]** 1986;61:114–7

[Hashimoto's thyroiditis, Gougerot–Sjögren syndrome and acute liver failure] Archambeaud–Mouveroux F, et al. **Ann Gastroenterol Hepatol (Paris)** 1987 May;23(3):151–2 **(Fre)**

[Acroscleroses, Gougerot–Sjögren syndrome, myxedema and anti–centromere antibodies. 3 cases of this association] Balafrej M, et al. **Ann Med Interne (Paris)** 1987; 138(3):185–8 (Eng. Abstr.) **(Fre)**

[Digestive immunoblastic lymphoma in Gougerot–Sjögren syndrome (letter)] Gosset D, et al. **Gastroenterol Clin Biol** 1987 Apr;11(4):348–9 **(Fre)**

[Gougerot–Sjögren syndrome and Waldenström's disease with pulmonary involvement and hypercalcemia] Brissaud P, et al. **Rev Med Interne** 1986 Nov;7(5):509–11 **(Fre)**

[Sicca syndrome with severe renal insufficiency] Gentric A, et al. **Rev Med Interne** 1986 Nov;7(5):486–9 (Eng. Abstr.) **(Fre)**

[Gougerot–Sjögren syndrome and IgM monoclonal gammopathy (letter)] Larbre JP, et al. **Rev Med Interne** 1987 May–Jun;8(3):332 **(Fre)**

[Comparative study of rheumatoid polyarthritis with and without the Gougerot–Sjögren syndrome. 54 cases] Jouquan J, et al. **Rev Rhum Mal Osteoartic** 1986 Dec; 53(12):691–5 (Eng. Abstr.) **(Fre)**

[Sjögren's syndrome and periodic paralysis. A case report and review of the literature] Isozumi K, et al. **Nippon Naika Gakkai Zasshi** 1986 Dec;75(12):1787–93 **(Jpn)**

[A patient with asymptomatic primary biliary cirrhosis in association with Sjögren syndrome developing features of systemic lupus erythematosus] Seki S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Nov;83(11):2445–9 **(Jpn)**

[Association of peripheral T-cell lymphoma in a patient with Sjögren's syndrome] Ohsaka A, et al. **Rinsho Ketsueki** 1986 Nov;27(11):2173–7 (Eng. Abstr.) **(Jpn)**

[Central nervous system involvement in primary Sjögren's syndrome] Kobayashi S, et al. **Rinsho Shinkeigaku** 1986 Oct;26(10):1009–16 (Eng. Abstr.) **(Jpn)**

[Sjögren's syndrome with partial hypopituitarism and renal tubular acidosis] Taneichi K, et al. **Ryumachi** 1986 Aug; 26(4):284–9 (Eng. Abstr.) **(Jpn)**

[Extrahepatic biliary system and chemical composition of bile in Sjögren's disease and syndrome] Kochina EN, et al. **Klin Med (Mosk)** 1987 Jun;65(6):84–8 **(Rus)**

[Sjögren's syndrome and lymphoma. An association to bear in mind (letter)] Collazos González J, et al. **Rev Clin Esp** 1987 Jun;181(2):118 **(Spa)**

[Primary biliary cirrhosis, CRST syndrome and Sjögren's syndrome. An uncommon association (letter)] Borda F, et al. **Rev Esp Enferm Apar Dig** 1987 Feb;71(2):177–8 **(Spa)**

[Pulmonary involvement in dermatomyositis, Sjogren's disease and mixed connective tissue disease] Grisanti M, et al. **Rev Med Chil** 1986 Dec;114(12):1196–202 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Sjögren's syndrome. Maran AG. **J Laryngol Otol** 1986 Nov; 100(11):1299–305

Serological diagnosis of primary Sjögren's syndrome by means of human recombinant La (SS-B) as nuclear antigen. Whittingham S, et al. **Lancet** 1987 Jul 4;2(8549):1–3

The "lipstick-on-teeth" sign in Sjögren's syndrome [letter] Ruiz-Arguelles GJ. **N Engl J Med** 1986 Oct 16; 315(16):1030–1

Sjögren's syndrome. Cutaneous, immunologic, and nervous system manifestations. Provost TT, et al. **Neurol Clin** 1987 Aug;5(3):405–26 (62 ref.)

Sjögren's syndrome. More than dry eyes and dry mouth. Smith DL, et al. **Postgrad Med** 1987 Jul;82(1):123–31

Tear glycoprotein determinations in the diagnosis and differential diagnosis of dry eyes. Berta A, et al. **Scand J Rheumatol [Suppl]** 1986;61:228–33

Differences between glycoprotein profiles of normal tear fluid and of tear fluid from patients with primary Sjögren's syndrome. Halken P, et al. **Scand J Rheumatol [Suppl]** 1986; 61:234–6

Dry eye and the Sjögren's syndrome. Holly FJ. **Scand J Rheumatol [Suppl]** 1986;61:201–5 (19 ref.)

Tear fluid proteins in Sjögren's syndrome. Janssen PT, et al. **Scand J Rheumatol [Suppl]** 1986;61:224–7

Confirmatory tests for the dry eye of Sjögren's syndrome. Mackie IA, et al. **Scand J Rheumatol [Suppl]** 1986;61:220–3

Serological profiles in subgroups of patients with Sjögren's syndrome. Manoussakis MN, et al. **Scand J Rheumatol [Suppl]** 1986;61:89–92

Hyperglobulinemic purpura, chronic sialoadenitis and the Sjögren syndrome. Waldenström J. **Scand J Rheumatol [Suppl]** 1986;61:139–41

[Unilateral sensory neuropathy of the trigeminal nerve as the leading symptom of primary Sjögren syndrome ("sicca syndrome")] Mauch E, et al. **Nervenarzt** 1987 Apr; 58(5):322–5 (Eng. Abstr.) **(Ger)**

[Studies on a staining test for keratoconjunctivitis sicca. II. Quantitative analysis of the fluorescein test and other clinical features in keratoconjunctivitis sicca] Iishi A. **Nippon Ganka Gakkai Zasshi** 1986 Oct;90(10):1268–73 (Eng. Abstr.) **(Jpn)**

[The occurrence of defective C3b receptors (CR1) on erythrocytes in connective tissue diseases--their relation to Sjögren's syndrome and SLE] Inokuma S, et al. **Ryumachi** 1986 Jun;26(3):153–8 (Eng. Abstr.) **(Jpn)**

[Sjögren's syndrome in children in the light of our observations] Wesolowska H, et al. **Pediatr Pol** 1986 Apr; 61(4):245–9 **(Pol)**

[Diagnosis of Sjögren's syndrome] Erov NK, et al. **Revmatologiia (Moskva)** 1986 Jul–Sep;(3):62–4 **(Rus)**

[Antinuclear antibodies in Sjögren's disease and syndrome] Kirtava ZZ, et al. **Ter Arkh** 1986;58(7):54–7 (Eng. Abstr.) **(Rus)**

[New concepts of Sjögren syndrome] Coll Daroca J. **Med Clin (Barc)** 1987 Jun 13;89(3):108–11 **(Spa)**

DRUG THERAPY

Effect of cyclosporin A (CyA) on the immunopathological lesion of the labial minor salivary glands from patients with Sjögren's syndrome. Dalavanga YA, et al. **Ann Rheum Dis** 1987 Feb;46(2):89–92

Cyclosporin A (CyA) in primary Sjögren's syndrome: a double blind study. Drosos AA, et al. **Ann Rheum Dis** 1986 Sep;45(9):732–5

Topical tretinoin treatment for dry-eye disorders. Tseng SC. **Int Ophthalmol Clin** 1987 Spring;27(1):47–53

Cyclosporin a therapy in patients with primary Sjögren's syndrome: results at one year. Drosos AA, et al. **Scand J Rheumatol [Suppl]** 1986;61:246–9

Treatment of Sjögren's syndrome: an overview. Manthorpe R, et al. **Scand J Rheumatol [Suppl]** 1986;61:237–41 (23 ref.)

Effects of immunosuppressive drugs on the morphology of the microvilli in Sjögren's syndrome. Scharf JM, et al. **Scand J Rheumatol [Suppl]** 1986;61:215–9

Treatment of xerostomia in patients with primary Sjögren's syndrome with sulfarlem. Schiødt M, et al. **Scand J Rheumatol [Suppl]** 1986;61:250–2

A double-blind, cross-over, study of oral N-acetylcysteine in Sjögren's syndrome. Walters MT, et al. **Scand J Rheumatol [Suppl]** 1986;61:253–8

[Thymosin in the treatment of Sjogren's syndrome] Wen ZX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul;21(4):219–20, 254 (Eng. Abstr.) **(Chi)**

[Primary Gougerot–Sjögren syndrome with necrotizing polymyositis: favorable effect of hydroxychloroquine] Ponge T, et al. **Rev Neurol (Paris)** 1987;143(2):147–8 (Eng. Abstr.) **(Fre)**

[Pulse therapy in the complex treatment of severe forms of Sjögren's syndrome and disease] Vasil'ev VI, et al. **Ter Arkh** 1986;58(7):117–22 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Salivary amylase and pancreatic enzymes in Sjögren's syndrome. Pal B, et al. **Clin Chem** 1987 Feb;33(2 Pt 1):305–7

ETIOLOGY

Primary Sjögren's syndrome after infectious mononucleosis [letter] Pflugfelder SC, et al. **JAMA** 1987 Feb 27; 257(8):1049–50

Epstein–Barr virus as an etiological agent in primary Sjögren's syndrome. Whittingham S, et al. **Med Hypotheses** 1987 Apr;22(4):373–86

Systemic evaluation of Sjögren-like syndrome after bone marrow transplantation in man. Janin-Mercier A, et al. **Transplantation** 1987 May;43(5):677–9

[Postactinic dental complications: radiotherapy involvement in Gougerot–Sjögren syndrome] Catalano E, et al. **Minerva Stomatol** 1986 Dec;35(12):1209–16 (73 ref.) (Eng. Abstr.) **(Ita)**

[A case of congenital lipoatrophic diabetes with conjunctival pseudolymphoma and Sjögren's syndrome] Gotoh M, et al. **Nippon Naika Gakkai Zasshi** 1986 Nov;75(11):1622–8 **(Jpn)**

[A case of primary amyloidosis associated with sicca syndrome] Masutani H, et al. **Nippon Naika Gakkai Zasshi** 1986 Sep;75(9):1286–90 **(Jpn)**

[Hypereosinophilia in Sjögren's syndrome] Trofimov GA, et al. **Klin Med (Mosk)** 1987 Jun;65(6):126–8 **(Rus)**

FAMILIAL & GENETIC

Familial Sjögren's syndrome in the Japanese: immunogenetic and serological studies. Moriuchi J, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):237–41

HISTORY

Henrik Sjögren and Sjögren's syndrome. Wollheim FA. **Scand J Rheumatol [Suppl]** 1986;61:11–6

IMMUNOLOGY

Circulating IgG from patients with primary Sjögren's syndrome deposited in the epidermis of normal human skin transplanted to athymic nude mice. Oxholm P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):233–8

Immunohistochemical characterization of intraepidermal in vivo IgG deposits in patients with primary Sjögren's syndrome. Oxholm P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1987 Sep; 95(5):239–44

Epidermal Langerhans cells in patients with primary Sjögren's syndrome. Oxholm P, et al. **Allergy** 1986 Aug; 41(6):429–34

Evidence of an immunopathogenic basis for central nervous system disease in primary Sjögren's syndrome. Alexander

EL, et al. **Arthritis Rheum** 1986 Oct;29(10):1223–31
Association between HLA and Sjögren's syndrome in Japanese patients. Moriuchi J, et al. **Arthritis Rheum** 1986 Dec;29(12):1518–21
Autoantibodies against RNA polymerase I in scleroderma and Sjögren's syndrome sera [published erratum appears in Biochem Biophys Res Commun 1987 Jun 30;145(3):1404] Stetler DA, et al. **Biochem Biophys Res Commun** 1987 May 14;144(3):1296–302
Monoclonal antibody defined T cell subsets in primary and secondary Sjögren's syndrome. Fossaluzza V, et al. **Boll Ist Sieroter Milan** 1986;65(5):440–2
Autoimmunity in 28 patients after allogeneic bone marrow transplantation: comparison with Sjögren syndrome and scleroderma. Rouquette–Gally AM, et al. **Br J Haematol** 1987 May;66(1):45–7
Periductal lymphocytic infiltrates in salivary glands in myasthenia gravis patients lacking Sjögren's syndrome. Lindahl G, et al. **Clin Exp Immunol** 1986 Oct;66(1):95–102
Interleukin 2 defect in the peripheral blood and the lung in patients with Sjögren's syndrome. Miyasaka N, et al. **Clin Exp Immunol** 1986 Sep;65(3):497–505
Epidermal IgG deposits in patients with chronic inflammatory connective tissue diseases: diagnostic value and correlation to clinical and immunological parameters in patients with primary Sjögren's syndrome. Oxholm P, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):5–9
In vitro binding of IgG from patients with primary and secondary Sjögren's syndrome to different components of keratinized stratified squamous epithelia. Oxholm P, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):117–22
Immunopathological features of primary Sjögren's syndrome. Youinou P, et al. **Clin Exp Rheumatol** 1987 Apr–Jun; 5(2):173–84 (165 ref.)
Immunohistochemical characterization of sialadenitis in NZB X NZW F1 mice. Jonsson R, et al. **Clin Immunol Immunopathol** 1987 Jan;42(1):93–101
Significance of the Ro antigen system. Reichlin M. **J Clin Immunol** 1986 Sep;6(5):339–48 (62 ref.)
Lupus/Sjögren's autoantibody specificities in sera with paraproteins. Sestak AL, et al. **J Clin Invest** 1987 Jul; 80(1):138–44
Animal models of Sjögren's syndrome. Cutler LS, et al. **J Dent Res** 1987 Feb;66(2):590–1
IgG subclasses of autoantibodies in systemic lupus erythematosus, Sjogren's syndrome, and drug–induced autoimmunity. Rubin RL, et al. **J Immunol** 1986 Oct 15; 137(8):2528–34
IgG subclasses of anti–tetanus toxoid antibodies in adult and newborn normal subjects and in patients with systemic lupus erythematosus, Sjogren's syndrome, and drug–induced autoimmunity. Rubin RL, et al. **J Immunol** 1986 Oct 15;137(8):2522–7
Detection of activated terminal complement (C5b–9) in cerebrospinal fluid from patients with central nervous system involvement of primary Sjogren's syndrome or systemic lupus erythematosus. Sanders ME, et al. **J Immunol** 1987 Apr 1;138(7):2095–9
Functional Fc–receptor defect of polymorphonuclear leukocytes in a patient with Sjögren's syndrome. Schopf RE, et al. **Klin Wochenschr** 1987 Apr 1;65(7):342–4
Recent advances in immunopathology of autoimmune diseases in salivary glands. Hirokawa K, et al. **Pathol Immunopathol Res** 1986;5(3–5):239–47
Immunopathologic mechanisms of inflammatory vascular disease in primary Sjögren's syndrome--a model. Alexander EL. **Scand J Rheumatol [Suppl]** 1986;61:280–5
Labial salivary gland immunopathology in Sjögren's syndrome. Dalavanga YA, et al. **Scand J Rheumatol [Suppl]** 1986;61:67–70
Blood mononuclear cells in patients with primary Sjögren's syndrome: production of interleukins, enumeration of interleukin–2 receptors, and DNA synthesis. Enk C, et al. **Scand J Rheumatol [Suppl]** 1986;61:131–4
Characterization of a crossreactive idiotype in Sjögren's syndrome. Fox RI, et al. **Scand J Rheumatol [Suppl]** 1986; 61:83–8
Antibodies against SS–B/La and SS–A/Ro antigens in patients with primary Sjögren's syndrome. Hansen B, et al. **Scand J Rheumatol [Suppl]** 1986;61:93–7
Symptomatic secondary Sjögren's syndrome in patients with systemic lupus erythematosus (SLE). Relation to anti–SS–A and anti–SS–B autoantibodies. Jonsson H, et al. **Scand J Rheumatol [Suppl]** 1986;61:166–9
Pathogenesis of Sjögren's syndrome. Konttinen YT, et al. **Scand J Rheumatol [Suppl]** 1986;61:61–6 (27 ref.)
An analysis of polyclonal B cell activation in Sjögren's syndrome. Characterization of B cell lines spontaneously established from the peripheral blood. Miyasaka N, et al. **Scand J Rheumatol [Suppl]** 1986;61:123–6
Characterization of intraepidermal IgG deposits in patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:181–4
Diagnostic significance of immunohistological skin examination in patients with primary Sjögren's syndrome and other chronic inflammatory connective tissue diseases. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:173–6
In vivo IgG deposits and reduced density of Langerhans cells in the surface epithelium of cervix uteri of patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:177–80
Impaired indomethacin–boosting of the defective natural killer cell activity in patients with primary Sjögren's syndrome. Pedersen BK, et al. **Scand J Rheumatol [Suppl]** 1986;61:135–8
Monoclonal anti–idiotypic antibodies against monoclonal rheumatoid factors derived from patients with Sjögren's syndrome. Shimizu S, et al. **Scand J Rheumatol [Suppl]** 1986;61:106–10
Recent developments in the immunology of Sjögren's syndrome (autoimmune exocrinopathy). Talal N. **Scand J Rheumatol [Suppl]** 1986;61:76–82 (35 ref.)
Erythrocyte complement C3b receptor (CR1) levels and immune complex–induced manifestations in patients with primary Sjögren's syndrome. Thomsen BS, et al. **Scand J Rheumatol [Suppl]** 1986;61:127–30
Cryoglobulinemia in primary Sjögren's syndrome: a monoclonal process. Tzioufas AG, et al. **Scand J Rheumatol [Suppl]** 1986;61:111–3
Rheumatic disease syndromes associated with antibodies to the Ro (SS–A) ribonuclear protein. Tsokos GC, et al. **Semin Arthritis Rheum** 1987 May;16(4):237–44 (60 ref.)
[Analysis and identification of rheumatoid factors in tears in Gougerot–Sjögren syndrome] Damillière B, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1365–72 **(Fre)**
[Is the target of anti–cardiolipin antibodies the same in Gougerot–Sjögren syndrome and lupus erythematosus disseminatus?] Moysan JF, et al. **Rev Med Interne** 1987 Mar–Apr;8(2):163–8 (Eng. Abstr.) **(Fre)**
[Gougerot–Sjögren syndrome. Revision of a problem...] Youinou P, et al. **Rev Med Interne** 1986 Nov;7(5):459–61 **(Fre)**
[Comparative profile of antinuclear antibodies in Gougerot–Sjögren syndrome with and without diffuse interstitial pulmonary fibrosis] Barranquero–Beltrán A, et al. **Rev Rhum Mal Osteoartic** 1986 Nov;53(11):615–9 (Eng. Abstr.) **(Fre)**
[Functional Fc receptor defect of granulocytes in a patient with Sjögren's syndrome] Schopf RE, et al. **Immun Infekt** 1987 Apr;15(2):76–7 (Eng. Abstr.) **(Ger)**
[Relation between Sjögren syndrome and malignant lymphoma] Karácsonyi M, et al. **Orv Hetil** 1987 Jan 25; 128(4):189–93 (Eng. Abstr.) **(Hun)**
[Characterization of B cell lines spontaneously established from the peripheral blood of Sjögren's syndrome] Yamaoka K, et al. **Arerugi** 1986 Jul;35(7):481–4 (Eng. Abstr.) **(Jpn)**
[Immunological studies on peripheral blood lymphocytes and lymphocytes infiltrated into the parotid gland with Sjögren's syndrome] Ikawa T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Feb;90(2):168–76 (Eng. Abstr.) **(Jpn)**

METABOLISM

Abnormal immunoglobulin and rheumatoid factor synthesis by blood lymphocytes in patients with primary Sjögren's syndrome. Rodriguez MA, et al. **Arthritis Rheum** 1986 Dec; 29(12):1446–55
Lacrimal proteins in Sjögren's syndrome. Suárez JC. **Ophthalmologica** 1987;194(4):188–90

MICROBIOLOGY

Detection of Epstein–Barr virus–associated antigens and DNA in salivary gland biopsies from patients with Sjogren's syndrome. Fox RI, et al. **J Immunol** 1986 Nov 15;137(10):3162–8

PATHOLOGY

Lymphoepithelial lesion and Sjögren's syndrome. Batsakis JG. **Ann Otol Rhinol Laryngol** 1987 May–Jun;96(3 Pt 1):354–5
Sjögren's syndrome and vulvar cancer. Becagli L, et al. **Clin Exp Obstet Gynecol** 1987;14(1):69–71
Oral and sialochemical findings in patients with autoimmune rheumatic disease. Fox PC, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):123–6
Immunohistochemical investigations on the epimyoepithelial islands in lymphoepithelial lesions. Use of monoclonal keratin antibodies. Caselitz J, et al. **Lab Invest** 1986 Oct; 55(4):427–32
Uniform detection of immunoglobulin–gene rearrangement in benign lymphoepithelial lesions. Fishleder A, et al. **N Engl J Med** 1987 Apr 30;316(18):1118–21
Bronchopulmonary manifestations of Sjögren's syndrome: the findings of the BAL, TBLB, and bronchoscopy. Taniguchi M, et al. **Panminerva Med** 1986 Jul–Sep; 28(3):249–51
Platelet involvement in salivary gland inflammation in patients with primary Sjögren's syndrome. Oxholm P, et al. **Rheumatol Int** 1987;7(1):29–33
Ultrastructural study of the lacrimal gland in a case of Sjögren's syndrome. Chomette G, et al. **Scand J Rheumatol [Suppl]** 1986;61:71–5
Salivary histopathology in diagnosis of Sjögren's syndrome. Daniels TE. **Scand J Rheumatol [Suppl]** 1986;61:36–43 (33 ref.)
Oral problems in patients with Sjögren's syndrome. Fox R, et al. **Scand J Rheumatol [Suppl]** 1986;61:194–200
Conjunctival morphology in Sjögren's syndrome and other disorders of the anterior eye. A light and electron microscopic study based on impression cytology. Kruse FE, et al. **Scand J Rheumatol [Suppl]** 1986;61:206–14
Focal lymphocytic infiltrates of salivary glands are not confined to Sjögren's syndrome. Lindahl G, et al. **Scand J Rheumatol [Suppl]** 1986;61:52–5
Focus score in the diagnosis of Sjögren's syndrome. Segerberg–Konttinen M, et al. **Scand J Rheumatol [Suppl]** 1986;61:47–51
[Case No.1--1987. Polyarthritis destruens, nephrotic syndrome and anti–DNA antibodies in a 51–year–old woman] Pruna A, et al. **Ann Med Interne (Paris)** 1987; 138(1):70–8 **(Fre)**
[Ultrastructure of superficial skin blood vessels and microtubular structures (MTS) in skin lesions in Sjögren's syndrome] Yazaki K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):9–21 **(Jpn)**
[Renal interstitial involvement in Sjögren's syndrome. The relationship between renal functions and renal interstitial lesions] Fujimoto T, et al. **Nippon Jinzo Gakkai Shi** 1986 Nov;28(11):1457–64 (Eng. Abstr.) **(Jpn)**
[Morphological characteristics of the minor salivary glands of patients with different forms of chronic parotitis and Sjögren's syndrome] Afanas'ev VV, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):69–71 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Lipid composition and viscosity of parotid saliva in Sjögren syndrome in man. Slomiany BL, et al. **Arch Oral Biol** 1986; 31(10):699–702
A case of partodeal myeloma in Sjogren's syndrome. Casaril M, et al. **Haematologica (Pavia)** 1987 Mar–Apr;72(2):167–70
Overview of Sjögren's syndrome. Talal N. **J Dent Res** 1987 Feb;66 Spec No:672–4
Smell and nasal findings in patients with primary Sjögren's syndrome. Rasmussen N, et al. **Scand J Rheumatol [Suppl]** 1986;61:142–5
[Short–term tracheobronchial clearance in apparently pure Gougerot–Sjögren syndrome] Becquemin MH, et al. **Bull Eur Physiopathol Respir** 1986 Nov–Dec;22(6):551–7 (Eng. Abstr.) **(Fre)**
[Changes in the respiratory function in Gougerot–Sjögren syndrome] Djeradi M, et al. **Rev Pneumol Clin** 1987; 43(2):85–9 (Eng. Abstr.) **(Fre)**
[Primary Sjögren syndrome] Genth E. **Dtsch Med Wochenschr** 1986 Oct 10;111(41):1578–9 **(Ger)**
[Sjögren's syndrome] Miyawaki S, et al. **Nippon Rinsho** 1986 Jul;44(7):1604–13 (30 ref.) **(Jpn)**
[Clinico–functional and morphological characteristics of the stomach in Sjögren's disease] Nasonova SV, et al. **Ter Arkh** 1986;58(7):84–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Hand radiographic changes in patients with primary and secondary Sjögren's syndrome. Tsampoulas CG, et al. **Scand J Rheumatol** 1986;15(3):333–9
[Diagnostic value of sialography for Sjögren's syndrome] Wen ZX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun; 8(3):188–92 (Eng. Abstr.) **(Chi)**

SURGERY

Ectropionization of the lacrimal punctum in Sjögren's syndrome. Murube–del–Castillo J. **Scand J Rheumatol [Suppl]** 1986;61:268–9

THERAPY

Sjögren's syndrome. Adding moisture to your life. Teutsch E, et al. **Am J Nurs** 1987 Mar;87(3):326–9
Clinical evaluation of a multilayered cryofilter for highly selective cryoglobulin removal. Emura M, et al. **ASAIO Trans** 1986 Jul–Sep;32(1):495–9
Treatment of oral symptoms in Sjögren's syndrome. Vissink A, et al. **Scand J Rheumatol [Suppl]** 1986;61:270–3
[Beneficial effect of the local application of plasma fibronectin and autologous serum in patients with the keratoconjunctivitis sicca of Sjögren's syndrome] Kono I, et al. **Ryumachi** 1986 Oct;26(5):339–43 (Eng. Abstr.) **(Jpn)**
[Transplantation of Steno's duct into the inferior conjunctival fornix in Sjögren's syndrome] Travkin AG. **Vestn Oftalmol** 1986 Sep–Oct;102(5):39–40 (Eng. Abstr.) **(Rus)**

SKATES (FISH) see under **ELECTRIC FISH**

SKATING see under **SPORTS**

SKATOLE see under **INDOLES**

SKELETAL AGE MEASUREMENT see **AGE DETERMINATION BY SKELETON**

SKELETAL MUSCLE RELAXANTS see **MUSCLE RELAXANTS, CENTRAL**

SKELETIN see **DESMIN**

SKELETON

ABNORMALITIES

Skeletal anomalies in a patient with the

Pallister/Teschler-Nicola/Killian syndrome. Kawashima H. **Am J Med Genet** 1987 Jun;27(2):285-9

ANATOMY & HISTOLOGY

Skeletal stature compared to archival stature in mid-eighteenth century American: Ft. William Henry. Steegmann AT Jr. **Am J Phys Anthropol** 1986 Dec; 71(4):431-5

Demi-span as a measure of skeletal size. Bassey EJ. **Ann Hum Biol** 1986 Sep-Oct;13(5):499-502

Survey of anthropological features of the Illyrians. Dhima A. **Anthropol Anz** 1987 Jun;45(2):131-44

Determining an individual's ideal body weight from skeletal measurements: a new method. Nguyen D, et al. **JPEN J Parenter Enteral Nutr** 1987 May-Jun;11(3):255-8

SKF 525-A see PROADIFEN

SKID ROW ALCOHOLICS

Carry the water to the desert. Higgs ZR. **J Prof Nurs** 1985 Jul-Aug;1(4):217-20

The social networks of terminally ill skid road residents: an analysis. McGrath BB. **Public Health Nurs** 1986 Sep; 3(3):192-205

PSYCHOLOGY

Social margin and social reentry: an evaluation of a rehabilitation program for Skid Row alcoholics. Fagan RW, et al. **J Stud Alcohol** 1986 Sep;47(5):413-25

SKIING

Recurrent herpes labialis in skiers. Clinical observations and effect of sunscreen. Mills J, et al. **Am J Sports Med** 1987 Jan-Feb;15(1):76-8

Injury patterns in nordic ski jumpers. A retrospective analysis of injuries occurring at the Intervale Ski Jump Complex from 1980 to 1985. Wright JR Jr, et al. **Am J Sports Med** 1986 Sep-Oct;14(5):393-7

Acute surgical repair of the skier's thumb. Derkash RS, et al. **Clin Orthop** 1987 Mar;(216):29-33

Consideration of the anterior cruciate ligament injury in skiing. Feagin JA Jr, et al. **Clin Orthop** 1987 Mar;(216):13-8

Changing patterns in tibial fractures resulting from skiing. Freeman JR, et al. **Clin Orthop** 1987 Mar;(216):19-23

Tendon injuries about the ankle resulting from skiing. Oden RR. **Clin Orthop** 1987 Mar;(216):63-9

Training for Alpine skiing. Steadman JR, et al. **Clin Orthop** 1987 Mar;(216):34-8

Skiing-related injuries to the shoulder. Weaver JK. **Clin Orthop** 1987 Mar;(216):24-8

Biomechanics and technique analysis of classic and freestyle Nordic skiing. Parks RM. **Clin Podiatr Med Surg** 1986 Oct; 3(4):679-703

Successful cardiopulmonary resuscitation on the ski slope. Carveth SW, et al. **Colo Med** 1986 Oct 1;83(16):276-8

Strain while skiing and hauling a sledge or carrying a backpack. Juhani I, et al. **Eur J Appl Physiol** 1986; 55(6):597-603

Assessment of plasma opioid peptides, beta-endorphin and met-enkephalin, at the end of an international nordic ski race. Mougin C, et al. **Eur J Appl Physiol** 1987;56(3):281-6

Skier's thumb--a method of prevention. Fairclough JA, et al. **Injury** 1986 May;17(3):203-4

Artificial ski slope injuries: a 1-year prospective study. Steedman DJ. **Injury** 1986 May;17(3):208-12

Detection of autologous blood transfusions in cross-country skiers. Berglund B, et al. **Int J Sports Med** 1987 Apr; 8(2):66-70

Effect of reinfusion of autologous blood on exercise performance in cross-country skiers. Berglund B, et al. **Int J Sports Med** 1987 Jun;8(3):231-3

Preloading of the thrust phase in cross-country skiing. Komi PV, et al. **Int J Sports Med** 1987 Mar;8 Suppl 1:48-54

Boot fitting problems in the skier. Santoro JP, et al. **J Am Podiatr Med Assoc** 1986 Oct;76(10):572-6

Overuse syndrome. Ames DL. **J Fla Med Assoc** 1986 Aug; 73(8):607-8

A five-year study of mortality in a busy ski population. Weston JT, et al. **J Forensic Sci** 1977 Jan;22(1):222-30

An unusual variety of skier's thumb. Hooper GJ. **J Hand Surg [Am]** 1987 Jul;12(4):627-9

Influence of ski materials on muscle activity. Clarys JP, et al. **J Sports Sci** 1986 Autumn;4(2):129-39

Hip dislocations from skiing [letter] Sherry E. **Med J Aust** 1987 Feb 16;146(4):227-8

Children's skiing injuries in Australia. Sherry E, et al. **Med J Aust** 1987 Feb 16;146(4):193-5

Nordic (cross-country) skiing injuries in Australia. Sherry E, et al. **Med J Aust** 1987 Mar 2;146(5):245-6

Neurologic injuries from winter sporting accidents. How they happen and how to minimize them. Lehman LB. **Postgrad Med** 1986 Dec;80(8):88, 93, 96-8

[Danish skiing injuries. Causes and social consequences] Krogsgaard MR. **Ugeskr Laeger** 1987 Jan 12;149(3):185-7 (Eng. Abstr.) (Dan)

[Peritonitis due to perforation of the intrahernial small intestine after a fall during cross-country skiing] Turbelin JM. **J Chir (Paris)** 1986 Aug-Sep;123(8-9):508-9 (Fre)

[Rupture of the jejunum after closed abdominal trauma during skiing] de Gottrau P, et al. **Rev Med Suisse Romande** 1986 Aug;106(8):715-7 (Fre)

[Equipment and ski accidents in Switzerland, winter 1983/84] Rigo M, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986;79(2):95-8 (Fre)

[25 years of Alpine skiing. In retrospect--the development and management of tibial fractures] Suckert K, et al. **Aktuel Traumatol** 1986 Dec;16(6):213-20 (Eng. Abstr.) (Ger)

[Changes in the characteristics of sports injuries based on the example of skiing] Rüedi T, et al. **Helv Chir Acta** 1987 May;53(6):765-71 (Eng. Abstr.) (Ger)

[3 hobby athletes on Mont Blanc. A physiological performance protocol] Spring H, et al. **Schweiz Z Sportmed** 1986 Jun;34(2):77-9 (Eng. Abstr.) (Ger)

[Symmetrical bilateral injuries in skiing 1976-1985] Kehl T, et al. **Z Unfallchir Versicherungsmed Berufskr** 1986; 79(2):129 (Ger)

[Alpine injuries in Oslo] Daljord OA, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17-18):1482-4 (Eng. Abstr.) (Nor)

[Cross-country ski injuries in Oslo] Daljord OA, et al. **Tidsskr Nor Laegeforen** 1986 Jun 20;106(17-18):1479-81 (Eng. Abstr.) (Nor)

[Typological characteristics of the physiological reactions to physical loading in highly trained biathlon athletes] Tkachenko EIa, et al. **Fiziol Cheloveka** 1986 Nov-Dec; 12(6):976-80 (Rus)

[Bone changes in the lower extremities after high-speed skiing] Egorov EP. **Voen Med Zh** 1987 May;(5):67 (Rus)

[Normalization of the immunologic reactivity of student skiers with a protein preparation] Chogovadze AV, et al. **Vopr Pitan** 1986 Sep-Oct;(5):26-7 (Eng. Abstr.) (Rus)

[Correlation between competency in skiing and personality traits] Díez Manrique JF, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1986 Nov-Dec;14(6):424-30 (Spa)

SKILLED NURSING FACILITIES

Staff observations help assess residents' hearing handicap. Gough KH, et al. **Dimens Health Serv** 1986 Nov;63(8):42-4

Facility, physician group strengthen continuity of care for the elderly. Musker J, et al. **Indiana Med** 1987 May; 80(5):474-5

An analysis of professional nurse burnout in two selected nursing care settings. Stanek LM. **J Nurs Adm** 1987 May; 17(5):3, 29

Use of antiepileptic drugs in the elderly population. Oles KS, et al. **Public Health Rep** 1987 May-Jun;102(3):335-7

ECONOMICS

Survey spurs concern over SNF reimbursement. Newald J. **Hospitals** 1987 Oct 5;61(19):146

Turf war heats up between CA rehabs and SNFs. Newald J. **Hospitals** 1987 Feb 5;61(3):58

The feasibility of using case mix and prospective payment for Medicare skilled nursing facilities. Liu K, et al. **Inquiry** 1986 Winter;23(4):365-70

Case mix of public patients in skilled nursing facilities in Connecticut. Ryan JF, et al. **Med Care** 1987 Jan;25(1):46-51

Case-mix differences between hospital-based and freestanding skilled nursing facilities. A review of the evidence. Wiener J, et al. **Med Care** 1986 Dec; 24(12):1173-82

LEGISLATION & JURISPRUDENCE

CA hospitals riled by surgicenter inpatient project. Newald J. **Hospitals** 1987 Mar 5;61(5):61

MANPOWER

Staff support systems acknowledge and address occupational stress. Fell N, et al. **Dimens Health Serv** 1986 Nov; 63(8):35-6

Health awareness and life-style practices of employees in extended-care facilities. Shoaf LR. **J Am Diet Assoc** 1986 Dec;86(12):1693-7

GNP practice in extended-care facilities varies from state to state. **Nurse Pract** 1986 Nov;11(11):12-4, 40

ORGANIZATION & ADMINISTRATION

Providence expands palliative care to meet patients' needs better. Fry R, et al. **Dimens Health Serv** 1986 Nov; 63(8):31-3

STANDARDS

The incidence of nosocomial infections in a skilled nursing facility. Gugliotti R. **Conn Med** 1987 May;51(5):287-90

Evaluation research in long-term care. Scope and methodology. Wan TT. **Res Aging** 1986 Dec;8(4):559-85

SUPPLY & DISTRIBUTION

Second SNF wave expected to peak within four years. Newald J. **Hospitals** 1986 Nov 20;60(22):97

UTILIZATION

The impact of state Medicaid nursing home policies on utilization and expenditures. Harrington C, et al. **Inquiry** 1987 Summer;24(2):157-72

Placing long-stay patients in private nursing homes. Jones ME, et al. **Public Health** 1987 May;101(3):169-78

SKIMMETIN see UMBELLIFERONES

SKIN

A video imaging technique for assessing dermal exposure. II. Fluorescent tracer testing. Fenske RA, et al. **Am Ind Hyg Assoc J** 1986 Dec;47(12):771-5

A video imaging technique for assessing dermal exposure. I. Instrument design and testing. Fenske RA, et al. **Am Ind Hyg Assoc J** 1986 Dec;47(12):764-70

The use of "artificial skin" for burnsJaksic T, et al. **Annu Rev Med** 1987;38:107-17 (35 ref.)

Skin potions. Milstone LM. **Arch Dermatol** 1987 Aug; 123(8):1087-8

British Society for Investigative Dermatology annual meeting. York, September 1986. Abstracts. **Br J Dermatol** 1987 Mar;116(3):417-57

Skin cleansing as an accompaniment to acne therapy. Hulme NA, et al. **Int J Dermatol** 1986 Oct;25(8):505

The cutaneous ink sign: a tipoff to suicide or suicide notes. Hanzlick RL, et al. **J Forensic Sci** 1987 Mar;32(2):565-6

The effect of tar and ultraviolet on the skin. Comaish JS. **J Invest Dermatol** 1987 Mar;88(3 Suppl):61s-64s

Rapid isolation in large numbers of intact, viable, individual hair follicles from skin: biochemical and ultrastructural characterization. Green MR, et al. **J Invest Dermatol** 1986 Dec;87(6):768-70

Cactus spine removal [letter] Schunk JE, et al. **J Pediatr** 1987 Apr;110(4):667

Development and care of the premature infant's skin. Lane AT. **Pediatr Dermatol** 1987 May;4(1):1-5

Evaluation of the effectiveness of wet ice, dry ice, and cryogenic packs in reducing skin temperature. Belitsky RB, et al. **Phys Ther** 1987 Jul;67(7):1080-4

Surgical skin-marking techniques. Granick MS, et al. **Plast Reconstr Surg** 1987 Apr;79(4):573-80

Zeta potential of synthetic and biological skin substitutes: effects on initial adherence. Morykwas MJ, et al. **Plast Reconstr Surg** 1987 May;79(5):732-9

The surgical marking pen: a comparative study. Stromberg BV. **Plast Reconstr Surg** 1987 Jul;80(1):104-7

Recommendation for collection of skin puncture blood from children, with special reference to production of reference values. Alström T, et al. **Scand J Clin Lab Invest** 1987 May;47(3):199-205

Endoscopic insertion of endoprostheses in the treatment of postoperative cutaneous biliary fistula. Goldin E, et al. **Surgery** 1987 Jul;102(1):88-90

[Problems of skin protection in clean rooms] Bieser LU. **Derm Beruf Umwelt** 1986 Sep-Oct;34(5):128-32 (Eng. Abstr.) (Ger)

ABNORMALITIES

Redundancy of the skin of the neck as a sign of congenital hypothyroidism [letter] Barnett SH, et al. **Am J Dis Child** 1987 May;141(5):477

Restrictive dermopathy [letter] Gillerot Y, et al. **Am J Med Genet** 1987 May;27(1):239-40

The "Michelin tire baby syndrome": an autosomal dominant trait [letter] Kunze J. **Am J Med Genet** 1986 Sep; 25(1):169-71

Aplasia cutis congenita and/or epidermolysis bullosa. Vivona G, et al. **Am J Med Genet** 1987 Feb;26(2):497-502

Encephalocraniocutaneous lipomatosis and Proteus syndrome. Wiedemann HR, et al. **Am J Med Genet** 1986 Oct;25(2):403-4

Morphologic examination of mesenchymal cells in healing wounds of normal and tight skin mice. Hembry RM, et al. **Am J Pathol** 1986 Oct;125(1):81-9

Pleiotropic mutations causing abnormalities in the murine immune system and the skin. Shultz LD. **Curr Probl Dermatol** 1987;17:236-50

Lethal genes surviving by mosaicism: a possible explanation for sporadic birth defects involving the skin. Happle R. **J Am Acad Dermatol** 1987 Apr;16(4):899-906

Glycosaminoglycan composition of tight skin and control mouse skins. Dorner RW, et al. **J Rheumatol** 1987 Apr; 14(2):295-8

Inhibition of fibrosis in TSK mice by blocking mast cell degranulation. Walker MA, et al. **J Rheumatol** 1987 Apr; 14(2):299-301

The association of aplasia cutis congenita with therapy of maternal thyroid disease. Kalb RE, et al. **Pediatr Dermatol** 1986 Sep;3(4):327-30

Median cleft lip with pedunculated skin masses [letter] Lewin ML. **Plast Reconstr Surg** 1987 May;79(5):843-4

[Clinical and etiopathogenic forms of uncommon cases (child born covered with scales, like a sea calf). Rare cases in Medicine, Anatomy and Surgery. Translated from the Latin by M. Planque. 1789] **Ann Chir Plast Esthet** 1986; 31(2):196-7 (Fre)

[Dominant dystrophic epidermolysis bullosa with localized congenital absence of the skin. A case with an ultrastructure study] Nazzaro V, et al. **Ann Dermatol Venereol** 1986; 113(8):697-700 (Fre)

[Skin aplasia of the trunk in the newborn. Apropos of 2 cases] Dyon JF, et al. **Chir Pediatr** 1986;27(3):157-61 (Eng. Abstr.) (Fre)

[Atypical unilocular neck appendage. Cutaneous branchiogenic cartilage chorista] Sladeczek M, et al. **Dermatol Monatsschr** 1986;172(8):468–70 (Eng. Abstr.) **(Ger)**

[Regional hypoplasia of dermal lymphatic vessels—a new variant of congenital lymphedema] Partsch H, et al. **Wien Klin Wochenschr** 1986 Oct 24;98(20):704–8 (Eng. Abstr.) **(Ger)**

[Congenital popliteal skin–muscle strip] Garncarek P, et al. **Chir Narzadow Ruchu Ortop Pol** 1986;51(1):57–9 (Eng. Abstr.) **(Pol)**

ANALYSIS

Continuous transcutaneous oxygen measurement: reproducibility and trace analysis in healthy adults. Swift AC, et al. **Acta Anaesthesiol Scand** 1986 Aug;30(6):458–62

Localization of vitronectin (S–protein of complement) in normal human skin. Dahlbäck K, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):461–7

Occurrence and distribution of neuropeptides in the human skin. An immunocytochemical and immunochemical study on normal skin and blister fluid from inflamed skin. Wallengren J, et al. **Acta Derm Venereol (Stockh)** 1987; 67(3):185–92

Flow cytometric DNA analysis of normal, premalignant and malignant human epidermal tissues. Frentz G. **Acta Derm Venereol [Suppl] (Stockh)** 1986;129:1–44 (120 ref.)

Histochemical determination of copper, zinc, and iron in some benign and malignant tissues. Bedrick AE, et al. **Am J Clin Pathol** 1986 Nov;86(5):637–40

Nodular primary cutaneous amyloidosis. Isolation and characterization of amyloid fibrils. Kitajima Y, et al. **Arch Dermatol** 1986 Dec;122(12):1425–30

Immunohistochemical demonstration of homicidal insulin injection site. Hood I, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):973–4

Isolation and structure of an epidermal mitosis inhibiting pentapeptide. Reichelt KL, et al. **Biochem Biophys Res Commun** 1987 Aug 14; 146(3):1493–501

Thermospray liquid chromatography/mass spectrometry of ether phosphocholines. Mallet AI, et al. **Biomed Environ Mass Spectrom** 1986 Oct;13(10):541–3

Californium–252 plasma desorption mass spectrometry of skin lipids. Positive and negative ions formed by attachment processes. Yang YM, et al. **Biomed Environ Mass Spectrom** 1986 Sep;13(9):489–94

Decline in skin collagen content and metacarpal index after the menopause and its prevention with sex hormone replacement. Brincat M, et al. **Br J Obstet Gynaecol** 1987 Feb;94(2):126–9

Structure of the carbohydrate portion of the sialo–glycopeptide isolated from the skin of the fish Mastacembalus armatus. Ghosh R, et al. **Carbohydr Res** 1987 May 1;162(2):257–69

Determination of the distribution of D–glucuronic acid units within the chain of pig–skin dermatan sulfate near the linkage region. Uchiyama H, et al. **Carbohydr Res** 1987 Feb 1;159(2):263–73

Occurrence of bufadienolides in the skin of Bufo viridis Laur. Shimada K, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug; 34(8):3454–7

Determination of cyclic AMP and cyclic GMP in psoriatic epidermis and dermis. Yang XQ, et al. **Chin Med J [Engl]** 1987 Mar;100(3):216–8

Reproducibility of tcPO2 measurements in normal volunteers. Coleman LS, et al. **Clin Phys Physiol Meas** 1986 Aug;7(3):259–63

Skin surface lipids of the mole Scalopus aquaticus. Downing DT, et al. **Comp Biochem Physiol [B]** 1987;86(4):667–70

Active peptides in the skins of two hundred and thirty American amphibian species. Erspamer V, et al. **Comp Biochem Physiol [C]** 1986;85(1):125–37

Indole–, imidazole– and phenyl–alkylamines in the skin of one hundred and forty American amphibian species other than bufonids. Roseghini M, et al. **Comp Biochem Physiol [C]** 1986;85(1):139–47

Computer models and images of the cutaneous surface. Gromley DE. **Dermatol Clin** 1986 Oct;4(4):641–9

Skin cellular retinoid–binding proteins and retinoid–responsive dermatoses. Siegenthaler G, et al. **Dermatologica** 1986;173(4):163–73

Tissue form of type VII collagen from human skin and dermal fibroblasts in culture. Bruckner–Tuderman L, et al. **Eur J Biochem** 1987 Jun 15;165(3):607–11

A slab gel electrophoresis technique for measurement of plasma retinol–binding protein, cellular retinol–binding and retinoic–acid–binding proteins in human skin. Siegenthaler G, et al. **Eur J Biochem** 1987 Jul 1;166(1):209–14

An immunocytochemical method for the localization of fibronectin in Araldite–embedded specimens. Zhu QL. **Histochemistry** 1987;86(4):385–8

The substitution of glucose–antiglucose oxidase complex (GAG) for peroxidase–antiperoxidase (PAP) in immunohistochemical studies of skin. Elias JM, et al. **Int J Dermatol** 1987 Jul–Aug;26(6):362–5

Iron, copper, and zinc concentrations in normal skin and in various nonmalignant and malignant lesions. Gorodetsky R, et al. **Int J Dermatol** 1986 Sep;25(7):440–5

Lipid composition of human leprous tissue [letter] Kumar B, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar; 55(1):162–4

Injection site leakage of depot neuroleptics: intramuscular versus subcutaneous injection. Glazer WM, et al. **J Clin Psychiatry** 1987 Jun;48(6):237–9

The significance of an IgM band at the dermo–epidermal junction. Wojnarowska F, et al. **J Cutan Pathol** 1986 Oct; 13(5):359–62

PCB and PCQ concentrations in subcutaneous tissue from patients with PCB poisoning (Yusho). Ohgami T, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):25–8

Skin lipids: an update. Downing DT, et al. **J Invest Dermatol** 1987 Mar;88(3 Suppl):2s–6s

Production of pyrimidine dimers in DNA of human skin exposed in situ to UVA radiation. Freeman SE, et al. **J Invest Dermatol** 1987 Apr;88(4):430–3

Immunohistochemical localization of urokinase– and tissue–type plasminogen activators in psoriatic skin. Grøndahl–Hansen J, et al. **J Invest Dermatol** 1987 Jan; 88(1):28–32

PIXE analysis in different stages of psoriatic skin. Kurz K, et al. **J Invest Dermatol** 1987 Feb;88(2):223–6

Necrobiosis lipoidica: ultrastructural and biochemical demonstration of a collagen defect. Oikarinen A, et al. **J Invest Dermatol** 1987 Feb;88(2):227–32

Dilutional effect of increased sebaceous gland activity on the proportion of linoleic acid in sebaceous wax esters and in epidermal acylceramides. Stewart ME, et al. **J Invest Dermatol** 1986 Dec;87(6):733–6

Arsenic values in the skin of Thai patients with and without history of arsenic intake. Timpatanapong P, et al. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:21–5

The cholecalciferol sulphate system in mammals. Axelson M. **J Steroid Biochem** 1987 Mar;26(3):369–73

Isolation and identification of C–12–h peptide from the skin of Bombina orientalis from China. Chen F, et al. **J Tongji Med Univ** 1987;7(1):8–14

The ratio of lipidperoxides to superoxide dismutase activity in the skin lesions of patients with severe skin diseases: an accurate prognostic indicator. Niwa Y, et al. **Life Sci** 1987 Mar 9;40(10):921–7

Characterization of nuclear thyroid hormone receptors of cultured skin fibroblasts from patients with resistance to thyroid hormone. Ichikawa K, et al. **Metabolism** 1987 Apr; 36(4):392–9

Concentration of plasma albumin in its accessible space in postmortem human dermis. Bert JL, et al. **Microvasc Res** 1986 Sep;32(2):211–23

Size of a plasma protein affects its content in postmortem human dermis. Mathieson JM, et al. **Microvasc Res** 1986 Sep;32(2):224–9

A potent factor in extracts of the skin of the Australian frog, Pseudophryne coriacea—II. Stimulation of the leech helical muscle in vitro and in vivo. Falconieri Erspamer G, et al. **Neuropharmacology** 1986 Aug;25(8):803–6

A potent factor in extracts of the skin of the Australian frog, Pseudophryne coriacea—III. Potentiation of contractions elicited in avian and mammalian isolated skeletal muscle preparations by direct and indirect electrical stimulation. Falconieri Erspamer G, et al. **Neuropharmacology** 1986 Aug;25(8):807–14

Disposable diapers and infant skin. Ueda H, et al. **Pediatrician** 1987;14 Suppl 1:11–4

Litorin–like peptides in the skin of five phyllomedusa species other than Phyll.sauvagei and Phyll.rohdei. Falconieri Erspamer G, et al. **Pharmacol Res Commun** 1987 May; 19(5):319–25

Non–invasive technique for obtaining fluorescence excitation and emission spectra in vivo. Pottier RH, et al. **Photochem Photobiol** 1986 Nov;44(5):679–87

Magainins, a class of antimicrobial peptides from Xenopus skin: isolation, characterization of two active forms, and partial cDNA sequence of a precursor. Zasloff M. **Proc Natl Acad Sci USA** 1987 Aug;84(15):5449–53

[Experimental observation of the effect of e–jiao on vascular permeability in rabbits] Cheng XC. **Chung Yao Tung Pao** 1986 Dec;11(12):47–51 **(Chi)**

[Indirect lymphangiography and transcutaneous measurement of oxygen pressure in white atrophy] Partsch H, et al. **Phlebologie** 1986 Jul–Sep;39(3):581–7 (Eng. Abstr.) **(Fre)**

[Synthesis of xylose–containing glycopeptides that contain the amino acid sequence 4 bis 7 des NH2–terminus of the protein core structure of cattle skin proteodermatan sulfates] Garg HG, et al. **Carbohydr Res** 1986 Aug 15; 151:225–32 (Eng. Abstr.) **(Ger)**

[Ano–sacral cutaneous amyloidosis—dylon positive material does not react with monoclonal antikeratin antibody EKH4] Mukai H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1247–51 **(Jpn)**

[Formation of sulfhemoglobin in the blood and skin caused by hydrogen sulfide poisoning and putrefaction of the cadaver] Adachi J, et al. **Nippon Hoigaku Zasshi** 1986 Jun; 40(3):316–22 (Eng. Abstr.) **(Jpn)**

[Detection of vibron phenylalanine bands in circular dichroism spectra for collagen] Lobachev VM. **Biofizika** 1987 Jan–Feb;32(1):157–9 (Eng. Abstr.) **(Rus)**

[Collagen type IV of the basal membrane of the epithelium of the skin in certain forms of pathology] Beletskaia LV, et al. **Biull Eksp Biol Med** 1987 May;103(5):598–600 (Eng. Abstr.) **(Rus)**

[Concentration of lipids in the skin, arterial wall and blood of patients with arteriosclerosis obliterans of the vessels of the lower extremities] Nikitin IuP, et al. **Ter Arkh** 1987; 59(1):34–7 **(Rus)**

[Polarographic determination of oxygen tension in the skin of vitiligo patients] Vaisov ASh. **Vestn Dermatol Venerol** 1986;(11):10–2 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

A selective histochemical method for the quantitative estimation of elastic fibers by computerized morphometric analysis. Effect of colchicin treatment. Godeau G, et al. **Anal Quant Cytol Histol** 1986 Dec;8(4):321–5

The monkey's paw. Goldsmith LA. **Arch Dermatol** 1986 Nov; 122(11):1333–4

Glycosaminoglycans in histologic sections [letter] Matsuoka LY, et al. **Arch Dermatol** 1987 Jul;123(7):862–3

Skin surface marking on the prickle cell layer. Hatzis J, et al. **Br J Dermatol** 1987 Apr;116(4):497–501

Skin surface topography in the domestic fowl and Japanese quail. Purton MD. **Br Vet J** 1986 Sep–Oct;142(5):446–52

Histology of the mucocutaneous junctions and the oral cavity. Heilman E. **Clin Dermatol** 1987 Apr–Jun;5(2):10–6

Anatomical location of human skin furrows. Rochefort A, et al. **Clin Exp Dermatol** 1986 Sep;11(5):445–9

The lines of Blaschko: a developmental pattern visualizing functional X–chromosome mosaicism. Happle R. **Curr Probl Dermatol** 1987;17:5–18

Autosomal dominant inheritance of benign bilateral acromial dimples. Méhes K, et al. **Hum Genet** 1987 Jun;76(2):206

Lymphatics of the skin. Neglected but important. Ryan TJ, et al. **Int J Dermatol** 1986 Sep;25(7):411–9 (38 ref.)

Structural and functional changes of normal aging skin. Fenske NA, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):571–85 (142 ref.)

Medium–depth chemical peeling: digging beneath the surface [editorial] Stegman SJ. **J Dermatol Surg Oncol** 1986 Dec; 12(12):1245–6

Ultrasound of normal skin. Fornage BD, et al. **JCU** 1986 Oct;14(8):619–22

Biological features of the skin of the pika. Ochotona rufescens rufescens: histological structure and enzymatic histochemical reactivity. Sakai T, et al. **Jikken Dobutsu** 1987 Apr;36(2):125–33

The microscopic anatomy on the torulus tactilis of the dog. Wakuri H, et al. **Kitasato Arch Exp Med** 1986 Dec; 59(4):115–27

Characterization of the Yucatan miniature pig skin and small intestine for pharmaceutical applications. Kurihara–Bergstrom T, et al. **Lab Anim Sci** 1986 Aug; 36(4):396–9

Density of toruli tactiles in the dog. Wakuri H, et al. **Okajimas Folia Anat Jpn** 1987 May;64(1):71–9

The subcutaneous tissue flap and the misconception of fasciocutaneous flaps. Gumener R, et al. **Scand J Plast Reconstr Surg** 1986;20(1):61–5

[Langer's lines of facial skin in the Chinese] Zhao LQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):180–2 **(Chi)**

[Stereology of the dermo–epithelial interface of the matrix–papilla unit of the hair bulb. Computerized processing of tridimensional images] Van Neste D, et al. **Ann Dermatol Venereol** 1986;113(9):767–71 (Eng. Abstr.) **(Fre)**

[Hepatoid glands—a distinctive type of mammalian skin gland] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1987 Jan–Feb;(1):82–95 (Eng. Abstr.) **(Rus)**

[Clinico–morphologic aspects of the active skin points of the upper extremities and their importance in reflexotherapy] Novikov II, et al. **Zh Nevropatol Psikhiatr** 1987;87(1):58–61 (Eng. Abstr.) **(Rus)**

[Correlation between the distance from the skin to the lumbar peridural space and various anthropometric variables] Castillo J, et al. **Rev Esp Anestesiol Reanim** 1986 Sep–Oct; 33(5):325–7 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Clinical salvage of an ischemic flap with diode laser irradiation. Maruyama Y, et al. **Acta Chir Plast** 1986; 28(4):232–7

Subcutaneous blood flow in the temporal region of migraine patients. Jensen K. **Acta Neurol Scand** 1987 May; 75(5):310–8

Effect of tourniquet–induced ischemia on cutaneous thermal thresholds. Kojo I, et al. **Acta Neurol Scand** 1986 Nov; 74(5):383–6

Impaired vascular reactivity in newborn infants of smoking mothers. Ahlsten G, et al. **Acta Paediatr Scand** 1987 Mar; 76(2):248–53

Detection of immunoglobulins and other serum proteins in the dermal and glomerular capillary walls from patients with diabetes mellitus. Inoue W, et al. **Acta Pathol Jpn** 1986 Aug;36(8):1181–9

Blood flow in skin, subcutaneous adipose tissue and skeletal muscle in the forearm of normal man during an oral glucose load. Bülow J, et al. **Acta Physiol Scand** 1987 Aug; 130(4):657–61

Skin blood flow responses to mental stress in man depend on body temperature. Elam M, et al. **Acta Physiol Scand** 1987 Mar;129(3):429–31

Alpha–adrenoceptors in the vessels of human finger skin. Lindblad LE, et al. **Acta Physiol Scand** 1986 Oct;

128(2):219–22
Histamine-induced microvascular permeability increases in hamster skin: a response predominantly mediated by H2-receptors. Woodward DF, et al. **Agents Actions** 1986 Aug;18(5–6):504–7
Making chronic nonspecific dermatitis specific. How to make precise diagnoses of superficial perivascular dermatitides devoid of epidermal involvement. Ackerman AB, et al. **Am J Dermatopathol** 1985 Aug;7(4):307–23
Microvascular function in skin windows. Humphrey DM, et al. **Am J Pathol** 1987 Mar;126(3):423–31
A new method for the quantitative assessment of arterial insufficiency of the limbs: cutaneous postischemic hyperemia test by laser Doppler. Leonardo G, et al. **Angiology** 1987 May;38(5):378–85
General considerations for evaluation of cutaneous and skeletal muscle blood flow. Messina EJ. **Angiology** 1976 Jan;27(1):53–6
Leukocytoclastic vasculitis and multiple myeloma [letter] **Ann Intern Med** 1987 Feb;106(2):329
Telangiectases [corrected] of the anterior chest in homosexual men [published erratum appears in Ann Intern Med 1987 Feb;106(2):336] Fallon T Jr, et al. **Ann Intern Med** 1986 Nov;105(5):679–82
Leukocytoclastic vasculitis in association with immunoglobulin A myeloma. McMillen JJ, et al. **Ann Intern Med** 1986 Nov;105(5):709–10
Livedo reticularis associated with increased titers of anticardiolipin antibodies in systemic lupus erythematosus. Weinstein C, et al. **Arch Dermatol** 1987 May;123(5):596–600
Antagonistic effect of ketanserin on vasoconstrictor responses to serotonin in isolated canine skin artery. Ito T, et al. **Arch Dermatol Res** 1987;279(3):211–2
Active proliferation of telangiectases in skin of patients with progressive systemic sclerosis (PSS). Kazandjian S, et al. **Arch Dermatol Res** 1986;279(1):8–11
Effects of tobacco smoke inhalation on capillary blood flow in human skin. Richardson D. **Arch Environ Health** 1987 Jan–Feb;42(1):19–25
Effect of externally applied skin surface forces on tissue vasculature. Bader DL, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):807–11
Evidence of immune deposits and of basement membrane alterations in dermal vessels of normal skin of patients with essential mixed cryoglobulinemia. Gabrielli A, et al. **Arthritis Rheum** 1987 Aug;30(8):884–93
Endothelial-dependent relaxation in human subcutaneous resistance vessels. Aalkjaer C, et al. **Blood Vessels** 1987; 24(1–2):85–8
The effects of propranolol and metoprolol on skin blood flow in diabetic patients. Hyer SL, et al. **Br J Clin Pharmacol** 1987 Jun;23(6):769–71
Dose and time effects of nicotine treatment on the capillary blood flow and viability of random pattern skin flaps in the rat. Forrest CR, et al. **Br J Plast Surg** 1987 May; 40(3):295–9
The vascular territories (angiosomes) of the body: experimental study and clinical applications. Taylor GI, et al. **Br J Plast Surg** 1987 Mar;40(2):113–41
PvO2 changes in cutaneous veins during regression of spinal anaesthesia. Kim JM, et al. **Can J Anaesth** 1987 Jul; 34(4):358–61
The effect of local heating on blood flow in the finger and the forearm skin. Nagasaka T, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1329–32
Computer analysis of the microvascular vasomotion. Xiu RJ, et al. **Chin Med J [Engl]** 1986 May;99(5):351–60
Laser Doppler assessment of skin blood flow in arteriopathic limbs. Allen PI, et al. **Clin Phys Physiol Meas** 1987 May; 8(2):179–82
Vascularized tissue transfer in the treatment of osteomyelitis. Moore JR, et al. **Clin Plast Surg** 1986 Oct;13(4):657–62
The peripheral vascular effects of nifedipine in Raynaud's syndrome associated with scleroderma: a double blind crossover study. Finch MB, et al. **Clin Rheumatol** 1986 Dec;5(4):493–8
Loss of spontaneous variability of fingertip anastomotic blood flow in diabetic autonomic neuropathy. Corcoran JS, et al. **Clin Sci** 1987 May;72(5):557–62
Decreased distensibility of resistance vessels of the skin in type 1 (insulin-dependent) diabetic patients with microangiopathy. Kastrup J, et al. **Clin Sci** 1987 Jan; 72(1):123–30
The differential effect of arginine vasopressin on skin blood flow in man. Wiles PG, et al. **Clin Sci** 1986 Dec;71(6):633–8
Cutaneous and subcutaneous blood flow measurements in psoriasis. Klemp P. **Dan Med Bull** 1987 Jun;34(3):147–59
Hexyl-nicotinate-induced vasodilation in normal human skin. Dowd PM, et al. **Dermatologica** 1987;174(5):239–43
Tunable pulsed dye laser for the treatment of benign cutaneous vascular ectasia. Polla LL, et al. **Dermatologica** 1987;174(1):11–7
Relationship between subcutaneous blood flow and absorption of lente type insulin. Hildebrant P, et al. **Diabetes Res** 1987 Apr;4(4):179–81
Effect of strict metabolic control on regulation of subcutaneous blood flow in insulin-dependent diabetic patients. Kastrup J, et al. **Diabetic Med** 1987 Jan–Feb; 4(1):30–6
Skin blood flow during incremental exercise in a thermoneutral and a hot dry environment. Smolander J, et al. **Eur J Appl Physiol** 1987;56(3):273–80
Regulation of the cutaneous circulation. Johnson JM, et al. **Fed Proc** 1986 Dec;45(13):2841–50
Effect of epinephrine on local cutaneous blood flow. Larrabee WF Jr, et al. **Head Neck Surg** 1987 May–Jun; 9(5):287–9
Immune complex induced vascular reactions in the mouse skin. Sailendri K, et al. **Indian J Med Res** 1986 Jul;84:67–73
Continuous and non-invasive quantification of heat-induced changes in blood flow in the skin and RIF-1 tumour of mice by laser Doppler flowmetry. Song CW, et al. **Int J Hyperthermia** 1987 Jan–Feb;3(1):71–7
Infrared fluorescence videomicroscopy of skin capillaries with indocyanine green. Moneta G, et al. **Int J Microcirc Clin Exp** 1987;6(1):25–34
Transcutaneous PO2 response to transient arterial occlusion in peripheral occlusive disease. Esato K, et al. **Int Surg** 1987 Apr–Jun;72(2):115–8
Angiogenesis and the skin. Barnhill RL, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1226–42 (165 ref.)
Thrombotic phenomena associated with intravenous cocaine. Heng MC, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):462–8
Nonthermoregulatory control of human skin blood flow. Johnson JM. **J Appl Physiol** 1986 Nov;61(5):1613–22 (80 ref.)
Local sweating and cutaneous blood flow during exercise in hypobaric environments. Kolka MA, et al. **J Appl Physiol** 1987 Jun;62(6):2224–9
Antidromic vasodilatation in the rat hindpaw measured by laser Doppler flowmetry: pharmacological modulation. Gamse R, et al. **J Auton Nerv Syst** 1987 May;19(2):105–11
Clinically uninvolved skin in AIDS: evidence of atypical dermal vessels similar to early lesions observed in Kaposi's sarcoma. Ultrastructural study in four patients. De Dobbeleer G, et al. **J Cutan Pathol** 1987 Jun;14(3):154–7
The pulsed dye laser: its use at 577 nm wavelength. Garden JM, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):134–8
Basal lamina of the dermal capillary: concentric multilamination following regeneration processes. Imayama S, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):456–9
Fine structural deformation of the dermal capillary following immersion fixation procedure. Imayama S, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):339–44
Redistribution of fetal circulation during repeated asphyxia in sheep: effects on skin blood flow, transcutaneous PO2, and plasma catecholamines. Jensen A, et al. **J Dev Physiol** 1987 Feb;9(1):41–55
The relative distribution of pulmocutaneous blood flow in Rana catesbeiana: effects of pulmonary or cutaneous hypoxia. Boutilier RG, et al. **J Exp Biol** 1986 Nov;126:33–9
Blood supply of the subcutaneous tissue of the upper limb and its importance in the subcutaneous flap. Zbrodowski A, et al. **J Hand Surg [Br]** 1987 Jun;12(2):189–93
Induction of an activation antigen on postcapillary venular endothelium in human skin organ culture. Messadi DV, et al. **J Immunol** 1987 Sep 1;139(5):1557–62
Human dermal microvascular endothelial cells behave like umbilical vein endothelial cells in T-cell adhesion studies. Haskard DO, et al. **J Invest Dermatol** 1987 Mar;88(3):340–4
Laser Doppler flow-meter assessment of iontophoretically applied norepinephrine on human finger skin circulation. Lindblad LE, et al. **J Invest Dermatol** 1986 Nov;87(5):634–6
Blood flow, temperature, and heat loss of skin exposed to local radiative and convective cooling. Nilsson AL. **J Invest Dermatol** 1987 May;88(5):586–93
Cutaneous reactive hyperemia: viscoelasticity determines response. Wilkin JK. **J Invest Dermatol** 1987 Aug; 89(2):197–200
Hemodynamics of human skin during mosquito (Diptera: Culicidae) blood feeding. Pappas LG, et al. **J Med Entomol** 1986 Dec 4;23(6):581–7
Sympathetic purinergic vasoconstriction and thermosensitivity in a canine cutaneous vein. Flavahan NA, et al. **J Pharmacol Exp Ther** 1986 Dec;239(3):784–9
Direct evidence of neurally mediated vasodilatation in hairy skin of the human foot. Blumberg H, et al. **J Physiol (Lond)** 1987 Jan;382:105–21
Cutaneous vasculitis: a presenting feature in Hodgkin's disease. Kesseler ME, et al. **J R Soc Med** 1986 Aug; 79(8):485–6
Cutaneous and fascial vasculature around the rectus abdominis muscle: anatomic basis of abdominal fasciocutaneous flaps. Onishi K, et al. **J Reconstr Microsurg** 1986 Jul;2(4):247–53
Cutaneous leukocytoclastic vasculitis in a patient with an adenocarcinoma of the colon. Callen JP. **J Rheumatol** 1987 Apr;14(2):386–9
Nailfold capillaroscopy in type I diabetics with vasculopathy and limited joint mobility. Trapp RG, et al. **J Rheumatol** 1986 Oct;13(5):917–20
Clinical studies of skin microcirculation. Fagrell B. **Klin Wochenschr** 1986 Oct 1;64(19):943–6
Pulsed ultrasound therapy and skin blood-flow [letter] Wiles PG, et al. **Lancet** 1987 Sep 5;2(8558):572
Integrating probe for tissue laser Doppler flowmeters. Salerud EG, et al. **Med Biol Eng Comput** 1986 Jul; 24(4):415–9
Effect of purified heat-labile toxin of Bordetella bronchiseptica on the peripheral blood vessels in guinea pigs or suckling mice. Endoh M, et al. **Microbiol Immunol** 1986;30(12):1327–30
Evaluation of postischemic hyperemia on the skin using laser Doppler velocimetry: study on patients with claudicatio intermittens. del Guercio R, et al. **Microvasc Res** 1986 Nov; 32(3):289–99
Synthesis of basement membrane-specific macromolecules by cultured human microvascular endothelial cells isolated from skin of diabetic and nondiabetic subjects. Fuh GM, et al. **Microvasc Res** 1986 Nov;32(3):359–70
Acute onset of diabetes insipidus in a patient with an active vasculitis. Balkin M, et al. **NY State J Med** 1986 Oct; 86(10):538–9
Effects of some antihypertensive drugs on cutaneous blood flow and inflammatory skin responses following allergen challenge in guinea pigs. Lindgren BR, et al. **Pharmacol Toxicol** 1987 May;60(5):364–7
Effect of arteriovenous flow reversal on blood flow and metabolism in a skin flap. Germann GK, et al. **Plast Reconstr Surg** 1987 Mar;79(3):375–80
The ulnar recurrent fasciocutaneous island flap: reverse medial arm flap. Maruyama Y, et al. **Plast Reconstr Surg** 1987 Mar;79(3):381–8
The anterior tibial artery flap: anatomic study and clinical application. Recalde Rocha JF, et al. **Plast Reconstr Surg** 1987 Mar;79(3):396–406
The venous skin graft method for repairing skin defects of the fingers. Yoshimura M, et al. **Plast Reconstr Surg** 1987 Feb;79(2):243–50
Regulation of microvascular prostacyclin and thromboxane with inhibitors of arachidonic acid metabolism. Knight KR, et al. **Prostaglandins** 1987 Mar;33(3):445–57
Fluorometric documentation of increased cutaneous blood flow after topical application of a PGE2 analog in man. Silverman DG, et al. **Prostaglandins** 1987 May;33(5):627–38
Abnormalities in dermal vessel walls of normal skin of patients with essential mixed cryoglobulinemia. An ultrastructural study. Gabrielli A, et al. **Ric Clin Lab** 1986 Apr–Jun;16(2):335–40
Cutaneous vasomotor sensitivity to noradrenalin in spinal and intact man. Stjernberg L. **Scand J Rehabil Med** 1986; 18(3):127–32
Cutaneous leukocytoclastic vasculitis: clinical experience in 44 patients. Callen JP, et al. **South Med J** 1987 Jul; 80(7):848–51
Laser Doppler examination of peripheral microvascular reactivity. Lerche A, et al. **Surg Gynecol Obstet** 1986 Nov; 163(5):410–4
Skin microvascular permeability after resuscitation with Ringer's lactate solution from endotoxin shock. Mullins RJ, et al. **Surg Gynecol Obstet** 1987 Jan;164(1):49–56
Nailing down the cause of periungual lesions. Schneiderman H, et al. **West J Med** 1987 Apr;146(4):505–6
[Local action of adrenaline and acetylcholine on the capillary reactivity of patients with diencephalic disorders] Damianova G, et al. **Vutr Boles** 1987;26(1):42–5 (Eng. Abstr.) **(Bul)**
[Arteriolar vasomotion and low-frequency wave movement] Ping BB. **Chung Hua I Hsueh Tsa Chih** 1986 Jun; 66(6):329–33, 382 (Eng. Abstr.) **(Chi)**
[A study on the perfusion area of skin flaps with vascular pedicle] Yang LM, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Sep;24(9):548–9, 574 (Eng. Abstr.) **(Chi)**
[Testing of toilet detergents for skin irritation. Clinical readings and measurement of blood circulation by laser Doppler technic] Serup J, et al. **Ugeskr Laeger** 1987 Feb 9;149(7):472–3 (Eng. Abstr.) **(Dan)**
[Cutaneous vasodilation induced by carbon dioxide. Comparative physiological study] Lagneaux D, et al. **Acta Belg Med Phys** 1986 Oct–Dec;9(4):309–16 **(Fre)**
[Effects of transient ischemia on inguinal flaps of the rat. Study of cutaneous microvascularization and the effects of vasodilator agents] Alnot JY, et al. **Ann Chir Plast Esthet** 1986;31(3):283–90 (Eng. Abstr.) **(Fre)**
[Refractory anemia with an excess of blasts and cutaneous vasculitis (letter)] Doutre MS, et al. **Ann Dermatol Venereol** 1987;114(1):97–100 **(Fre)**
[Congenital hemihypertrophy associated with cutaneous pigmento-vascular, cerebral, visceral and bone abnormalities] Hidano A, et al. **Ann Dermatol Venereol** 1987;114(5):665–9 (Eng. Abstr.) **(Fre)**
[Livedo disclosing thrombocythemia] Schmutz JL, et al. **Ann Dermatol Venereol** 1987;114(2):227–31 **(Fre)**
[Value of combining the thermal test with laser Doppler measurement of skin hemodynamics. Study of vascular acrosyndromes] Boccalon H, et al. **J Mal Vasc** 1987; 12(1):100–9 (Eng. Abstr.) **(Fre)**
[Varicosities as a result of acquired non-traumatic arteriovenous fistulas] Bihari I, et al. **Phlebologie** 1987 Jan–Mar;40(1):117–21 (Eng. Abstr.) **(Fre)**
[Effects of compression on microcirculation] Coget JM, et al. **Phlebologie** 1986 Jul–Sep;39(3):509–16 **(Fre)**
[Vascular lesions and fibroblast metabolism in inflammatory diseases] Lapière CM. **Phlebologie** 1987 Jan–Mar;40(1):21–9 (Eng. Abstr.) **(Fre)**
[Capillaroscopy and acrosyndromes] Mathijs C, et al. **Phlebologie** 1987 Jan–Mar;40(1):31–5 **(Fre)**
[Microcirculation in white atrophy] Merlen JF, et al. **Phlebologie** 1986 Jul–Sep;39(3):571–9 (Eng. Abstr.) **(Fre)**
[Localized cutaneous vasculitis induced by subcutaneous netilmicin (letter)] Bernard P, et al. **Presse Med** 1987 May 16;16(18):915–6 **(Fre)**
[Surgical treatment of leg ulcers caused by atheromatous angiodermatitis (letter)] Moulin G, et al. **Presse Med** 1987

May 16;16(18):919 (Fre)
[Thickening of the basement membranes of cutaneous capillaries. A possible peripheral marker of atherosclerosis (letter)] Reynaud P, et al. **Presse Med** 1986 Nov 1; 15(38):1932–3 (Fre)
[Laser–Doppler velocimetry: a new technic for evaluating of microcirculation. A reproducibility study] Zeghal K, et al. **Presse Med** 1986 Nov 15;15(40):1997–2000 (Eng. Abstr.) (Fre)
[Functional studies of the microcirculation] Boccalon H. **Rev Med Interne** 1986 May;7(3):279–84 (33 ref.) (Fre)
[Periungual capillaroscopy in rheumatoid arthritis. Prospective study of 80 cases] Drevet JG, et al. **Rev Rhum Mal Osteoartic** 1986 Jun;53(6):367–71 (Eng. Abstr.) (Fre)
[Cutaneous necrotizing angiitis] Lessana–Leibowitch M, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):87–91 (Eng. Abstr.) (Fre)
[Direct observation of microcirculation in isoflurane anesthesia] Böhrer H, et al. **Anasth Intensivther Notfallmed** 1987 Apr;22(2):84–9 (Eng. Abstr.) (Ger)
[Heat thrombosis of burned skin] Knezevic D, et al. **Arch Kriminol** 1986 Sep–Oct;178(3–4):88–94 (Eng. Abstr.) (Ger)
[Neurogenic mechanisms of skin circulation] Lembeck F. **Hautarzt** 1985;36 Suppl 7:6–11 (Ger)
[Vascular supply of the free fasciocutaneous forearm flap—an anatomical study] Trümper K, et al. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(1):37–43 (Eng. Abstr.) (Ger)
[Effect of pulsed dye laser radiation on the capillary vessels of the skin] Strempel H, et al. **Z Hautkr** 1987 Jul 15; 62(14):1076–85 (Eng. Abstr.) (Ger)
[Symptomatic livedo racemosa in cholesterol embolism with occlusion of the arterioles in the area of the corium–subcutis] Wolter M, et al. **Z Hautkr** 1987 Jun 15; 62(12):949–51 (Eng. Abstr.) (Ger)
[Apropos of the cutaneous neo–angiogenesis induced by tumors (letter)] Lotti T. G **Ital Dermatol Venereol** 1986 Jul–Aug;121(4):309 (Ita)
[Development of a system for monitoring the body surface circulation and its application. Part 1. Fundamental study] Nakamura H. **Nippon Eiseigaku Zasshi** 1987 Feb; 41(6):896–913 (Eng. Abstr.) (Jpn)
[Objective judgement on effects of medicine in patients with Raynaud's phenomenon—measurement of cutaneous blood flow using laser Doppler flowmeter and platelet aggregation activity] Shimizu H, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):35–8 (Jpn)
[Ultrastructure of superficial skin blood vessels and microtubular structures (MTS) in skin lesions in Sjögren's syndrome] Yazaki K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):9–21 (Jpn)
[Use of the lymphocyte–induced angiogenesis test and its variations in systemic scleroderma] Majewski S, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):361–6 (Eng. Abstr.) (Pol)
[Microvascular aspects of diabetic myocardiopathy] Argüelles E, et al. **Arq Bras Cardiol** 1986 Jul;47(1):15–20 (Eng. Abstr.) (Por)
[Ultrastructure of tissue basophils and capillaries during different periods of pre– and postnatal development of the dermis in the rat] Radostina AI. **Arkh Anat Gistol Embriol** 1986 Aug;91(8):17–23 (Eng. Abstr.) (Rus)
[Structural transformations of the vascular system of the connective tissue layer of the skin] Sarkisov DS, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):730–2 (Eng. Abstr.) (Rus)
[2 cases of Mondor's disease] Klepov ID. **Klin Khir** 1987; (2):64 (Rus)
[Characteristics of regional blood flow and oxygen tension in acute inflammation] Volozhin AI, et al. **Patol Fiziol Eksp Ter** 1987 Mar–Apr;(2):40–3 (Eng. Abstr.) (Rus)
[Role of injuries to the vascular plexus in the development of a radiation lesion of the skin in swine] Arkhipova EE, et al. **Radiobiologiia** 1986 Nov–Dec;26(6):826–9 (Eng. Abstr.) (Rus)
[Status of tissue microcirculation in psoriatic arthritis] Mach ES, et al. **Ter Arkh** 1986;58(7):77–9 (Eng. Abstr.) (Rus)
[Study of lipid peroxidation processes in the blood of patients with vasculitis and spontaneous panniculitis and their correction with antioxidants] Ezhova MN, et al. **Vestn Dermatol Venerol** 1987;(6):14–7 (Eng. Abstr.) (Rus)
[Ultrastructural features of human skin capillaries during aging] Sarkisov KG, et al. **Vestn Dermatol Venerol** 1987; (1):23–5 (Eng. Abstr.) (Rus)
[Percutaneous polarography as a method of evaluation of the blood supply of transplanted tissues] Tikhilov RM, et al. **Vestn Khir** 1987 Mar;138(3):125–7 (Rus)

CYTOLOGY

Reduced density of T6–positive epidermal Langerhans' cells in uninvolved skin of patients with psoriasis. Oxholm A, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):8–11
Skin inhibits cartilage proliferation and calcification. Tissue culture of fetal mice bones. van der Sluijs JA, et al. **Acta Orthop Scand** 1986 Dec;57(6):518–22
Simple method for observing migrating leucocytes in the skin of mirror carp (Cyprinus carpio L.). Sövényi JF, et al. **Acta Vet Hung** 1986;34(1–2):61–5
Proliferation of human embryonic and fetal epidermal cells in organ culture. Bickenbach JR, et al. **Am J Anat** 1986 Sep;177(1):97–106
Role of protein and calcium in stratum corneum cell cohesion. Bissett DL, et al. **Arch Dermatol Res** 1987; 279(3):184–9
Cholesterol sulfate uptake and outflux in cultured human keratinocytes. Ponec M, et al. **Arch Dermatol Res** 1986; 279(1):32–6
Lack of correlation between Gpd expression and X chromosome late replication in cultured fibroblasts of the kangaroo Macropus robustus. Johnston PG, et al. **Aust J Biol Sci** 1986;39(1):37–45
12–O–tetradecanoylphorbol–13–acetate induces an immediate, but transient increase in mitotic activity uncoupled from DNA synthesis in the monolayer cultures of rat keratinocyte. Kim HJ, et al. **Biochem Biophys Res Commun** 1987 Jul 31;146(2):777–82
Dermal tracts in frog skin: fibronectin pathways for cell migration. Denèfle JP, et al. **Biol Cell** 1987;59(3):219–26
Fibronectin (FN) localizations in mitochondria–rich cells of frog epidermis. Denefle JP, et al. **Biol Cell** 1987;59(2):181–4
The use of Ultroser G as a serum substitute in the culture of human skin fibroblasts. Myara I, et al. **Biol Cell** 1986; 57(3):243–7
Distribution of Langerhans cells in Swiss Webster mouse skin. Gebara G, et al. **Braz J Med Biol Res** 1986;19(1):131–3
Induction of anchorage independence in human diploid foreskin fibroblasts by carcinogenic metal salts. Biedermann KA, et al. **Cancer Res** 1987 Jul 15;47(14):3815–23
Failure of the tumor promoter 12–O–tetradecanoylphorbol–13–acetate (TPA) to inhibit cell–cell coupling in newborn mouse epidermal cells and Chinese hamster V79 cells under non–standard culture conditions. Miller DR, et al. **Carcinogenesis** 1987 Jun; 8(6):847–50
Phospholipase C mimics the differential effects of phorbol–12–myristate–13–acetate on the colony formation and cornification of cultured normal and transformed human keratinocytes. Parkinson EK. **Carcinogenesis** 1987 Jun;8(6):857–60
Cell migration is essential for sustained growth of keratinocyte colonies: the roles of transforming growth factor–alpha and epidermal growth factor. Barrandon Y, et al. **Cell** 1987 Sep 25;50(7):1131–7
Pigment cell differentiation: the relationship between pterin content, allopurinol treatment, and the melanoid gene in axolotls. Thorsteinsdottir S, et al. **Cell Differ** 1986 Oct; 19(3):161–72
Induction of xanthophores from non–pigmented dermal cells of xanthic goldfish in vitro. Wakamatsu Y, et al. **Cell Differ** 1987 Mar;20(2–3):161–70
Role of interferon in lymphocyte recruitment into the skin. Issekutz TB, et al. **Cell Immunol** 1986 May;99(2):322–33
Extracellular products of Staphylococcus aureus reversibly inhibit the terminal differentiation of cultured mouse epidermal cells. Sugai M, et al. **Cell Struct Funct** 1987 Aug; 12(4):395–9
Morphological appearance of epidermal cells cultured on fibroblast–reorganized collagen gels. Grinnell F, et al. **Cell Tissue Res** 1986;246(1):13–21
Lymphocyte traffic and the skin. Tigelaar RE. **Dermatol Clin** 1985 Oct;3(4):569–85 (94 ref.)
IgE on skin dendritic cells: a clue for work–related atopic dermatitis [letter] Figatto PD, et al. **Dermatologica** 1987; 174(1):50–1
The migration of dermal cells during blastema formation in axolotls. Gardiner DM, et al. **Dev Biol** 1986 Dec; 118(2):488–93
Distribution of a special subset of keratinocytes characterized by the expression of cytokeratin 9 in adult and fetal human epidermis of various body sites. Moll I, et al. **Differentiation** 1987;33(3):254–65
Donor–age–related changes in the morphology, growth potential, and collagen biosynthesis in rat fibroblast subpopulations in vitro. Mollenhauer J, et al. **Differentiation** 1986;32(2):165–72
In vitro comparisons of SENCAR and BALB/c primary epidermal cells. Strickland JE, et al. **Environ Health Perspect** 1986 Sep;68:39–44
Changes in chromatin structure during aging of human skin fibroblasts. Ishimi Y, et al. **Exp Cell Res** 1987 Apr; 169(2):458–67
Skin histogenesis during hind limb regeneration in larval and metamorphotic stages of the Egyptian toad Bufo regularis Reuss. Michael MI, et al. **Folia Morphol (Praha)** 1986; 34(4):386–94
Demonstration of proteins and nucleic acids during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):272–9
Variability of lipids and glycogen during hind limb regeneration in larval and metamorphose stages of Bufo regularis Reuss. Ramadan AA, et al. **Folia Morphol (Praha)** 1986;34(3):265–71
The site of action of the asebia locus (ab) in the skin of the mouse. Pennycuik PR, et al. **Genet Res** 1986 Dec; 48(3):179–85
Heterogeneity of keratin distribution in the oral mucosa and skin of mammals as determined using monoclonal antibodies. Murase N, et al. **Histochemistry** 1986; 85(4):265–76
Single–locus control of the mast cell population in mouse skin. Koizumi T, et al. **Immunogenetics** 1987;26(1–2):36–9
In vivo increase of cutaneous mast cells in response to specific mediators and ascaris antigen. Czarnetzki BM, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):259–60
Skin organ culture: why? Tammi R, et al. **Int J Dermatol** 1987 Apr;26(3):150–60 (125 ref.)
Functional heterogeneity of human mast cells from different anatomic sites: in vitro responses to morphine sulfate. Tharp MD, et al. **J Allergy Clin Immunol** 1987 Apr; 79(4):646–53
Quantification of cutaneous mast cells using morphometric point counting and a conjugated avidin stain. Kasper CS, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):326–31
Down regulation of phorbol diester receptors by proteolytic degradation of protein kinase C in a cultured cell line of fetal rat skin keratinocytes. Chida K, et al. **J Biol Chem** 1986 Oct 5;261(28):13013–8
Role of receptors in metabolic interaction of histamine with human vascular endothelial cells and skin fibroblasts. An ordered sequence of enzyme action. Haddock RC, et al. **J Biol Chem** 1987 Jul 25;262(21):10220–8
Organ culture of skin of rabbits and guinea pigs: maintenance of complete keratinization and effect of lithium on keratinization. Kondo S, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):92–100
Low glucose–6–phosphate dehydrogenase activity in cultured skin fibroblasts from Werner's syndrome. Shindo Y, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):396–8
Endogenous peroxidase activity in human cutaneous and adenoidal mast cells. Escribano LM, et al. **J Histochem Cytochem** 1987 Feb;35(2):213–20
Human skin mast cells: their dispersion, purification, and secretory characterization. Benyon RC, et al. **J Immunol** 1987 Feb 1;138(3):861–7
Further evidence for the self–reproducing capacity of Langerhans cells in human skin. Czernielewski JM, et al. **J Invest Dermatol** 1987 Jan;88(1):17–20
Human neonatal keratinocytes have very high levels of cellular vitamin A–binding proteins. Gates RE, et al. **J Invest Dermatol** 1987 Jan;88(1):37–41
Patterns of junctional communication in skin. Kam E, et al. **J Invest Dermatol** 1986 Dec;87(6):748–53
Sex differences in the densities of epidermal Langerhans cells of the mouse. Koyama Y, et al. **J Invest Dermatol** 1987 May;88(5):541–4
The effect of platelet–derived growth factor on cell division and glycosaminoglycan synthesis by human skin and scar fibroblasts. Savage K, et al. **J Invest Dermatol** 1987 Jul; 89(1):93–9
Coepibolin, the activity of human serum that enhances the cell spreading properties of epibolin, associates with albumin. Stenn KS. **J Invest Dermatol** 1987 Jul;89(1):59–63
Ligand–specific thermal misbehavior of synthetic androgen–receptor complexes in genital skin fibroblasts of subjects with familial ligand–sensitive androgen resistance. Kaufman M, et al. **J Steroid Biochem** 1986 Sep;25(3):323–31
Cytotoxicity of lectins toward skin fibroblasts from patients with Duchenne muscular dystrophy and myotonic dystrophy. Ohno K, et al. **Jinrui Idengaku Zasshi** 1986 Jun; 31(2):85–91
Bone resorption in cholesteatoma: epithelial–mesenchymal cell interaction and collagenase production. Moriyama H, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):854–9
Influence of environmental medium on fatty acid composition of human cells: leukocytes and fibroblasts. Delplanque B, et al. **Lipids** 1987 Apr;22(4):241–9
Induction of equine interferons. Yilma T. **Methods Enzymol** 1986;119:130–6
Epidermal Langerhans' cells and dermal dendritic cells in human fetal and neonatal skin: an immunohistochemical study. Drijkoningen M, et al. **Pediatr Dermatol** 1987 May; 4(1):11–7
Cultured epidermis influences the fibril organization of purified type I collagen gels. Denefle JP, et al. **Tissue Cell** 1987;19(4):469–78
A method for preparing mouse skin for assessing in vitro dermal penetration of xenobiotics. Grissom RE Jr, et al. **Toxicol Lett** 1987 May;36(3):251–8
EM diversity of neuroendocrine (Merkel) cells of the human skin. Beiras A, et al. **Ultrastruct Pathol** 1987;11(1):59–65
[Morphological observation on the effect of acupuncture on mast cells at the zusanli point] Yang YM, et al. **Chen Tzu Yen Chiu** 1986;11(4):298–302 (Eng. Abstr.) (Chi)
[35S sulfate incorporation in cultured normal human skin fibroblasts and normal amniotic fluid cells] Fang BL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Jun;8(3):223–5 (Eng. Abstr.) (Chi)
[Postmortem cytokinetics of epidermal cells] Frasunek J, et al. **Beitr Gerichtl Med** 1986;44:321–4 (Eng. Abstr.) (Ger)
[Electron microscopy studies of ciliated cells in the larval epidermis of Rana t. temporaria (L.) (Amphibia, Anura)] Hertwig I, et al. **Gegenbaurs Morphol Jahrb** 1987; 133(1):79–90 (Eng. Abstr.) (Ger)
[Dicarboxylic acids inhibit the growth of keratinocytes in vitro] Detmar M, et al. **Hautarzt** 1986 Nov;37(11):625–7 (Eng. Abstr.) (Ger)
[In vitro model of the re–epithelialization of defects] Thiele B, et al. **Z Hautkr** 1986 Oct 15;61(20):1474–82 (Eng. Abstr.)

(Ger)

[Effects of hydrocortisone on function and structure of human skin fibroblasts in culture—especially effects on the growth, cytoskeleton and fibronectin] Egawa M. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1259–73 (Jpn)

[Effect of total profound hypothermia on the relation between cells in the skin of the white rat at different ages] Sukhanov AF, et al. **Arkh Anat Gistol Embriol** 1987 Jan; 92(1):58–62 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Irritation and staining by dithranol (anthralin) and butantrone (10-butyryl dithranol): further short contact and tape stripping experiments. Göransson A. **Acta Derm Venereol (Stockh)** 1987;67(1):72–6

Tissue reactions to implanted orthodontic wires in rabbits. Gjerdet NR, et al. **Acta Odontol Scand** 1987 Jun;45(3):163–9

Testing of cosmetics and toiletries. Andersen KE. **Acta Physiol Scand [Suppl]** 1986;554:180–90

Evaluation of an improved fiberoptics luminescence skin monitor with background correction. Vo–Dinh T. **Am Ind Hyg Assoc J** 1987 Jun;48(6):594–8

The reaction of skin to primers used in the "single-step" bonding systems. Altuna G, et al. **Am J Orthod Dentofacial Orthop** 1987 Feb;91(2):105–10

Suppression of histamine-induced wheal response by loratadine (SCH 29851) over 28 days in man. Roman IJ, et al. **Ann Allergy** 1986 Oct;57(4):253–6

Plasmin induces acantholysis in skin organ cultures. Hunziker T, et al. **Arch Dermatol Res** 1987;279(5):341–6

Effects of 12-o–tetradecanoylphorbol–13–acetate and polyprenoic acid derivative on calcium–activated phospholipid–dependent protein kinase of pig skin. Koizumi H, et al. **Arch Dermatol Res** 1986;279(1):50–3

Reduction of lipoxygenase products in psoriatic skin homogenates by QA 208–199. Schnyder J, et al. **Arch Dermatol Res** 1986;278(6):494–6

Electron microscopy and immunohistochemistry of toxic and allergic effects of methylmethacrylate on the skin. Kanerva L, et al. **Arch Toxicol [Suppl]** 1986;9:456–9

Histopathological and morphometrical analysis applied to skin changes in NMRI mice induced by dithranol (anthranil) and its acyl analogs. Kosma VM, et al. **Arch Toxicol [Suppl]** 1986;9:451–4

Evaluation on the effects of cutaneous chemical agents by nuclear magnetic resonance techniques. Chiavacci R, et al. **Basic Appl Histochem** 1986;30(4):463–7

Effect of enalapril on the skin response to bradykinin in man. Fuller RW, et al. **Br J Clin Pharmacol** 1987 Jan;23(1):88–90

The cellular inflammatory response in nicotinate skin reactions. English JS, et al. **Br J Dermatol** 1987 Mar; 116(3):341–9

An investigation of the angry back syndrome using Trafuril. Sonnex TS, et al. **Br J Dermatol** 1987 Mar;116(3):361–70

Chronic 12–O–tetradecanoylphorbol–13–acetate treatment prevents restoration of collagen loss associated with its inflammatory effect on mouse skin. Marian B. **Cancer Lett** 1987 Mar;34(3):273–82

Formation of DNA adducts in mouse skin treated with metabolites of chrysene. Phillips DH, et al. **Cancer Lett** 1987 May;35(2):207–14

Effects of dietary retinyl palmitate or 13–cis–retinoic acid on the promotion of tumors in mouse skin. Gensler HL, et al. **Cancer Res** 1987 Feb 15;47(4):967–70

sn–1,2–Diacylglycerols mimic the effects of 12–O–tetradecanoylphorbol–13–acetate in vivo by inducing biochemical changes associated with tumor promotion in mouse epidermis. Smart RC, et al. **Carcinogenesis** 1986 Nov;7(11):1865–70

Tumor–producing and skin–irritating activity of dithranol (anthralin) and its 10–acyl analogues in SENCAR mice. Viluksela M, et al. **Carcinogenesis** 1986 Oct;7(10):1755–60

Increased collagen synthesis and cross–link formation in the skin of rats exposed to vinyl chloride monomer. Knight KR, et al. **Clin Sci** 1987 Jun;72(6):673–8

A 6–month dermal toxicity test with dithranol and butantrone in miniature swine. Männistö PT, et al. **Contact Dermatitis** 1986 Jul;15(1):1–9

Experimental induction of rough dermatitic skin in humans. Van Neste D, et al. **Contact Dermatitis** 1987 Jan;16(1):27–33

Cosmetic warning: This product may be detrimental to your purse. Fisher AA. **Cutis** 1987 Jan;39(1):23–4

Skin as a target organ of immunotoxicity reactions. Maurer T. **Dev Toxicol Environ Sci** 1986;12:147–57 (54 ref.)

Effect of linear alkyl benzene sulfonate in skin of fish fingerlings (Cirrhina mrigala): observations with scanning electron microscope. Misra V, et al. **Ecotoxicol Environ Safety** 1987 Apr;13(2):164–8

Effects of chronic topical application of 12–O–tetradecanoylphorbol–13–acetate on the skin and internal organs of SENCAR mice. Klein–Szanto AJ, et al. **Environ Health Perspect** 1986 Sep;68:75–80

Epidermal hyperplasia in mouse skin following treatment with alternative drinking water disinfectants. Robinson M, et al. **Environ Health Perspect** 1986 Nov;69:293–300

Jute batching oil: a tumor promoter on mouse skin. Mehrotra NK, et al. **Environ Res** 1987 Feb;42(1):12–23

An in vitro skin corrosivity test—modifications and validation. Oliver GJ, et al. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):507–12

The toxicity of T–2 toxin in swine following topical application. I. Clinical signs, pathology, and residue concentrations. Pang VF, et al. **Fundam Appl Toxicol** 1987 Jul;9(1):41–9

The isolated perfused porcine skin flap (IPPSF). I. A novel in vitro model for percutaneous absorption and cutaneous toxicology studies. Riviere JE, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):444–53

A teleost skin bioassay for melanotropic peptides. Castrucci AM, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):374–80

A hierarchical approach to the assessment of dermal and ocular irritancy: a report by the British Toxicology Society Working Party on Irritancy. Fielder RJ, et al. **Hum Toxicol** 1987 Jul;6(4):269–78

Substance P and calcitonin gene–related peptide: effects on mast cells and in human skin. Foreman JC. **Int Arch Allergy Appl Immunol** 1987;82(3–4):366–71 (32 ref.)

Inhibition of rhesus monkey airway and cutaneous responses to platelet–activating factor (PAF) (AGEPC) with the anti–PAF agent SRI 63–072. Patterson R, et al. **Int Arch Allergy Appl Immunol** 1986;81(3):265–8

Retinoid effects on fibroblast proliferation and collagen synthesis in vitro and on fibrotic disease in vivo. Daly TJ, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):900–2

All–trans–retinoic acid and cutaneous cancers. Epstein JH. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):772–8 (74 ref.)

Effects of all–trans–retinoic acid on the dermis of hairless mice. Kligman LH. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):779–85, 884–7

Gentian violet and wound repair [letter] Mobacken H. **J Am Acad Dermatol** 1986 Dec;15(6):1303

Extravascular effects of sclerosants in rabbit skin: a clinical and histologic examination. Goldman MP, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1085–8

A histologic evaluation of the effects of skin refrigerants in an animal model. Hanke CW, et al. **J Dermatol Surg Oncol** 1987 Jun;13(6):664–9

Vascular effects of leukotriene D4 in human skin. Bisgaard H. **J Invest Dermatol** 1987 Feb;88(2):109–14

The effect of prostaglandin D2 on the response of human skin to histamine. Maurice PD, et al. **J Invest Dermatol** 1987 Sep;89(3):245–8

Specific induction of metallothionein in hairless mouse skin by zinc and dexamethasone. Mullin CH, et al. **J Invest Dermatol** 1987 Aug;89(2):164–6

Effects of chronic intracutaneous administration of arachidonic acid and its metabolites. Induction of leukocytoclastic vasculitis by leukotriene B4 and 12–hydroxyeicosatetraenoic acid and its prevention by prostaglandin E2. Ruzicka T, et al. **J Invest Dermatol** 1987 Feb;88(2):120–3

Retinoic acid induces cyclic changes in epidermal thickness and dermal collagen and glycosaminoglycan biosynthesis rates. Schiltz JR, et al. **J Invest Dermatol** 1986 Nov; 87(5):663–7

Methotrexate inhibits the human C5a–induced skin response in patients with psoriasis. Ternowitz T, et al. **J Invest Dermatol** 1987 Aug;89(2):192–6

Patients with bone marrow failure demonstrate decreased cutaneous reactivity to human C5a. Yancey KB, et al. **J Invest Dermatol** 1987 Apr;88(4):388–92

Dietary influences of evening primrose and fish oil on the skin of essential fatty acid–deficient guinea pigs. Chapkin RS, et al. **J Nutr** 1987 Aug;117(8):1360–70

Effects of chloropyramine, dimethindene and diphenhydramine on transepithelial ion transport: studies in bovine tracheal epithelium and frog skin. Durand–Arczynska W, et al. **J Physiol (Paris)** 1986; 81(3):185–90

Effect of a ginkgolide mixture (BN 52063) in antagonising skin and platelet responses to platelet activating factor in man. Chung KF, et al. **Lancet** 1987 Jan 31;1(8527):248–51

Induction of metallothionein and other mRNA species by carcinogens and tumor promoters in primary human skin fibroblasts. Angel P, et al. **Mol Cell Biol** 1986 May; 6(5):1760–6

Biopharmaceutical problems in the treatment of superficial mycoses. Schaefer H, et al. **Mykosen [Suppl]** 1978;1:164–70

Ultrastructural study of initial calcification in the rat subcutaneous tissues elicited by a root canal filling material. Kawakami T, et al. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):360–5

Subcutaneous reactions to implantation of tubes with AH26 and Grossman's sealer. Tagger M, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct;62(4):434–40

Phorbol ester effect on the hydrosmotic response to vasopressin in frog skin. Casavola V, et al. **Pflugers Arch** 1987 Mar;408(3):318–20

Dihydrouabain, a reversible inhibitor of the sodium pump in frog skin. Cox TC, et al. **Pflugers Arch** 1987 Jul; 409(3):323–7

Structural and functional response of the isolated toad skin to mucosal lithium. Sanioto SM, et al. **Pflugers Arch** 1987 Jun;409(1–2):188–93

Photosensitizers in dermatology. McCullough JL, et al. **Photochem Photobiol** 1987 Jul;46(1):77–82

Necrosis of murine tail skin following photodynamic treatment with meso–tetra–(p–sulphophenyl) porphine (TPPS). Moore JV. **Photochem Photobiol** 1987 Jun; 45(6):791–4

Biostability and morphology of tissue reaction of some synthetic polymers. Waitzová D, et al. **Polim Med** 1986; 16(3–4):93–109

Tissue reactions to glass ionomer cement and dental amalgam in the rat. Lehtinen R. **Proc Finn Dent Soc** 1986;82(3):144–7

Effects of acetylsalicylic acid and naproxen on the mechanical and biochemical properties of intact skin in rats. Solheim LF, et al. **Scand J Plast Reconstr Surg** 1986; 20(2):161–3

Skin necrosis as a complication of improperly administered subcutaneous heparin. Lim KB, et al. **Singapore Med J** 1986 Aug;27(4):356–7

Effect of dextran sulfate on the growth of cultured fibroblasts derived from normal human skin and keloid lesions. Chiu HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1987 Mar; 86(3):264–70

Comparative effects of topically applied nitrated arenes and their nonnitrated parent arenes on cutaneous and hepatic drug and carcinogen metabolism in neonatal rats. Asokan P, et al. **Toxicol Appl Pharmacol** 1986 Oct;86(1):33–43

Toxicity of 8–methoxypsoralen, 5–methoxypsoralen, 3–carbethoxypsoralen, or 5–methylisopsoralen with ultraviolet radiation in the hairless (HRA/Skh) mouse. Dunnick JK, et al. **Toxicol Appl Pharmacol** 1987 Jun 15; 89(1):73–80

Acute dermal toxicity of two quarternary organophosphonium salts in the rabbit. Dunn BJ, et al. **Toxicology** 1982;24(3–4):245–50

Cutaneous injury by topical T–2 toxin: involvement of microvessels and mast cells. Yarom R, et al. **Toxicon** 1987; 25(2):167–74

[Skin necrosis following chemical synovectomy with osmium tetroxide] Jean P, et al. **Therapie** 1986 Sep–Oct;41(5):357–9 (Eng. Abstr.) (Fre)

[Experimental studies on the action of extracts of herba recens Echinaceae purpureae on skin flaps] Meissner FK. **Arzneimittelforschung** 1987 Jan;37(1):17–8 (Eng. Abstr.) (Ger)

[Development and regression of dermal corticosteroid atrophy. 2. Changes in compression rate] Hinz E, et al. **Derm Beruf Umwelt** 1986 Nov–Dec;34(6):174–8 (Eng. Abstr.) (Ger)

[Development and regression of dermal corticosteroid atrophy. 1. Change in the skinfold thickness] Lubach D, et al. **Derm Beruf Umwelt** 1986 Sep–Oct;34(5):146–9 (Eng. Abstr.) (Ger)

[In vitro PUVA irradiation inhibits the binding of antibodies to double–stranded (ds) DNA to human epidermis] Wollina U, et al. **Dermatol Monatsschr** 1986;172(9):554–6 (Ger)

[Modification of the surface film of the skin by skin cleansing and skin care] Würbach G. **Z Arztl Fortbild (Jena)** 1987; 81(2):65–8 (Ger)

[Effect of neutral solvents on lectin binding of healthy and psoriatic epidermis] Wollina U, et al. **Z Hautkr** 1986 Oct 1;61(19):1379–82 (Eng. Abstr.) (Ger)

[Percutaneous chronic toxicity study of 10% nitroglycerin (NT–1 ointment) in rabbits] Imoto S, et al. **J Toxicol Sci** 1986 May;11 Suppl 2:31–57 (Eng. Abstr.) (Jpn)

[Percutaneous subacute toxicity study of 10% nitroglycerin (NT–1 ointment) in rabbits] Taniguchi Y, et al. **J Toxicol Sci** 1986 May;11 Suppl 2:11–29 (Eng. Abstr.) (Jpn)

[Acute toxicity test on dermal application of NT–1 tape and 10% nitroglycerin (NT–1 ointment)] Yoshida R, et al. **J Toxicol Sci** 1986 May;11 Suppl 2:1–9 (Eng. Abstr.) (Jpn)

[Effects of dihydrotestosterone on cultured human skin fibroblasts—especially on enhancement of growth, DNA synthesis and protein synthesis by epidermal growth factor] Ogawa T. **Nippon Hifuka Gakkai Zasshi** 1986 Jun; 96(7):719–24 (Jpn)

[Comparative evaluation of the action of serum proteins on tissue regeneration] Miroshnikov VM, et al. **Biull Eksp Biol Med** 1987 Jan;103(1):95–7 (Eng. Abstr.) (Rus)

[Experience using an electronic optical device for quantitative measurements of local reactions in a toxicologic experiment] Dobriian BB, et al. **Gig Sanit** 1986 Oct;(10):87–8 (Rus)

[Medico–chemical and toxicologic studies of the polymer glue GIPK–1410] Medoian AA, et al. **Gig Sanit** 1986 Oct; (10):81–2 (Rus)

[Effect of adrenal cortex hormones on the ultrastructure of rat dermal fibroblasts in postnatal ontogeny. Electron microscopy morphometric data] Radostina AI. **Ontogenez** 1986 Sep–Oct;17(5):508–15 (Eng. Abstr.) (Rus)

[Protective compounds and chemical reagents for protecting the skin from external agents in the patent literature 1974–1984] Tankov IuP, et al. **Vestn Dermatol Venerol** 1987;(3):58–60 (Eng. Abstr.) (Rus)

[PUVA therapy: long–term degenerative effects. I. Histological changes observed after PUVA therapy] Torras H, et al. **Med Cutan Ibero Lat Am** 1987;15(1):63–70 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Differential effects of tissue processing on human embryonic and fetal skin. Foster CA. **Anat Rec** 1987 Jul;218(3):355–8

Embryological development of human palmar, plantar, and digital flexion creases. Kimura S, et al. **Anat Rec** 1986 Oct; 216(2):191–7

Markers of adult skin expressed in the skin of the first

trimester fetus. Holbrook KA, et al.
Curr Probl Dermatol 1987;16:94–108 (44 ref.)
Cell surface and cytoskeletal changes associated with epidermal stratification and differentiation in organ cultures of embryonic human skin. Fisher C, et al. **Dev Biol** 1987 Jan;119(1):231–41
Epigenesis in developing avian scales. III. Stage-specific alterations of the developmental program caused by 5-bromodeoxyuridine. Tanaka S, et al. **Dev Biol** 1987 Jun; 121(2):467–77
Proximal tissues and patterned neurite outgrowth at the lumbosacral level of the chick embryo: deletion of the dermamyotome. Tosney KW. **Dev Biol** 1987 Aug; 122(2):540–58
The appearance and distribution of intermediate filament proteins during differentiation of the central nervous system, skin and notochord of Xenopus laevis. Godsave SF, et al. **J Embryol Exp Morphol** 1986 Sep;97:201–23
Induction of hair follicles in mouse skin by rat vibrissa dermal papillae. Pisansarakit P, et al. **J Embryol Exp Morphol** 1986 Jun;94:113–9
Formation of epidermal and dermal Merkel cells during human fetal skin development. Moll I, et al.
J Invest Dermatol 1986 Dec;87(6):779–87
Cleavage line patterns of the skin in bovine fetuses. Wakuri H, et al. **Kitasato Arch Exp Med** 1986 Jun;59(1-2):9–20
Human fetal skin development. Lane AT.
Pediatr Dermatol 1986 Dec;3(6):487–91
Embryogenesis of the dermis in human skin. Smith LT, et al. **Pediatr Dermatol** 1986 Sep;3(4):271–80
Maternal cell contamination in cultured chorionic villi: comparison of chromosome Q-polymorphisms derived from villi, fetal skin, and maternal lymphocytes. Williams J 3d, et al. **Prenat Diagn** 1987 Jun;7(5):315–22
Regulation of melanoma by the embryonic skin. Gerschenson M, et al. **Proc Natl Acad Sci USA** 1986 Oct;83(19):7307–10
Further histochemical aspects of the development of the fetal porcine epidermis. Meyer W, et al.
Zentralbl Veterinarmed [A] 1986 Sep;33(7):481–90
[Changes in the expression of prekeratins with molecular weight of 55 and 40 kD in monolayer epithelium during skin morphogenesis in rats] Troianovskii SM, et al.
Biull Eksp Biol Med 1987 Apr;103(4):478–81 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Immunohistochemical studies on synthesis and distribution of Hageman factor and kininogen. Tsuruta J, et al.
Adv Exp Med Biol 1986;198 Pt B:63–70
Lipid metabolism in xanthomatous skin of hypercholesterolemic rabbits. Armstrong ML, et al.
Am J Pathol 1986 Nov;125(2):339–48
Enzyme activities involved in connective tissue metabolism in the skin of tight-skin (TSK) mice. Shikata H, et al.
Arch Dermatol Res 1986;278(6):510–2
Cytochemical expression of epidermal peroxidase and cytochrome oxidase activities in pathological skin conditions of man. Walzer C, et al. **Arch Dermatol Res** 1986;278(6):460–4
Localization and some properties of skin sulfhydryl oxidase. Yamada H, et al. **Arch Dermatol Res** 1987;279(3):194–7
The immunologic relationship of human neutrophil and skin collagenases. Hasty KA, et al. **Arthritis Rheum** 1987 Jun; 30(6):695–9
Cytochrome P-450 dependent metabolism of testosterone in rat skin. Mukhtar H, et al.
Biochem Biophys Res Commun 1987 Jun 15;145(2):749–53
Competitive inhibition of human skin collagenase by N-benzyloxycarbonyl-L-prolyl-L-alanyl-3-amino-2-oxopropyl-L-leucyl-L- alanylglycine ethyl ester. Wallace DA, et al. **Biochem J** 1986 Nov 1;239(3):797–9
Purification of human collagenases with a hydroxamic acid affinity column. Moore WM, et al. **Biochemistry** 1986 Sep 9;25(18):5189–95
Enzymatic oxidation by frog epidermis tyrosinase of 4-methylcatechol and p-cresol. Influence of L-serine. García-Carmona F, et al. **Biochim Biophys Acta** 1987 Aug 5;914(2):198–204
Conversion of linoleic acid and arachidonic acid by skin epidermal lipoxygenases. Nugteren DH, et al.
Biochim Biophys Acta 1987 Sep 4;921(1):135–41
Acyl-CoA:dihydroxyacetone phosphate acyltransferase in human skin fibroblasts: study of its properties using a new assay method. Schutgens RB, et al.
Biochim Biophys Acta 1986 Dec 5;879(3):286–91
Catalase in cultured skin fibroblasts from patients with the cerebro-hepato-renal (Zellweger) syndrome: normal maturation in peroxisome-deficient cells. Wanders RJ, et al. **Biochim Biophys Acta** 1987 Mar 19;923(3):478–82
Cutaneous superoxide dismutase activity in psoriasis [letter] van Baar HM, et al. **Br J Dermatol** 1987 Mar;116(3):462–3
Effect of application frequency on epidermal ornithine decarboxylase induction by chrysarobin in SENCAR mice. Kruszewski FH, et al. **Cancer Lett** 1986 Sep;32(3):263–9
Inhibition of epidermal xenobiotic metabolism in SENCAR mice by naturally occurring plant phenols. Das M, et al.
Cancer Res 1987 Feb 1;47(3):760–6
12-O-tetradecanoylphorbol-13-acetate-dependent induction of xanthine dehydrogenase and conversion to xanthine oxidase in murine epidermis. Reiners JJ Jr, et al.
Cancer Res 1987 Apr 1;47(7):1775–9
Inhibition of 12-O-tetradecanoylphorbol-13-acetate-mediated epidermal ornithine decarboxylase induction and skin tumor promotion by new lipoxygenase inhibitors lacking protein kinase C inhibitory effects. Aizu E, et al.
Carcinogenesis 1986 Nov;7(11):1809–12
Change in activities of lysosomal glycosidases in skin fibroblasts from controls and patients with cystic fibrosis. Hermelin B, et al. **Cell Mol Biol** 1987;33(1):83–9
Development of ATPase-positive, immature Langerhans cells in the fetal mouse epidermis and their maturation during the early postnatal period. Kobayashi M, et al.
Cell Tissue Res 1987 May;248(2):315–22
Homology between exon-containing portions of rabbit genomic clones for synovial cell collagenase and human foreskin and synovial cell mRNAs. Fini ME, et al.
Coll Relat Res 1986 Jul;6(3):239–48
A comparative study of hepatic and epidermal histidase in the guinea-pig (Cavia porcellus). Allen RL, et al.
Comp Biochem Physiol [B] 1986;84(4):523–9
Lectin inhibition and kinetics of microsomal K+-dependent p-nitrophenyl phosphatase of frog epidermis. Buron I, et al. **Comp Biochem Physiol [B]** 1987;86(2):241–4
Phospholipase C activity in cultured human skin fibroblasts. Shakir KM, et al. **Enzyme** 1987;37(4):189–96
Isolation of a dipeptidyl aminopeptidase, a putative processing enzyme, from skin secretion of Xenopus laevis. Mollay C, et al. **Eur J Biochem** 1986 Oct 1;160(1):31–5
Regulation of the activity of histamine-N-methyltransferase from guinea pig skin by biogenic amines. Tachibana T, et al. **Exp Mol Pathol** 1986 Dec;45(3):257–69
all-trans-Retinoic acid inhibits the appearance of two phorbol ester-induced ornithine decarboxylase mRNAs in mouse epidermis. Kumar S, et al. **FEBS Lett** 1986 Nov 10;208(1):151–4
Induction of epidermal and hepatic ornithine decarboxylase by a Prudhoe Bay crude oil. Rahimtula AD, et al.
Fundam Appl Toxicol 1987 Apr;8(3):408–14
Cell membrane transport enzymes in cultured dermal fibroblasts from progeroid donors: a comparison to other human fibroblasts. Mokrasch LC. **Gerontology** 1986; 32(4):202–6
Cysteine proteinases produced by cultured rabbit V2 carcinoma cells and rabbit skin fibroblasts. Baici A, et al.
Int J Cancer 1986 Nov 15;38(5):753–61
Mechanisms of accelerated purine nucleotide synthesis in human fibroblasts with superactive phosphoribosylpyrophosphate synthetases. Becker MA, et al. **J Biol Chem** 1987 Apr 25;262(12):5596–602
Sequence specificity of human skin fibroblast collagenase. Evidence for the role of collagen structure in determining the collagenase cleavage site. Fields GB, et al.
J Biol Chem 1987 May 5;262(13):6221–6
The activation of human skin fibroblast procollagenase. Sequence identification of the major conversion products. Grant GA, et al. **J Biol Chem** 1987 Apr 25;262(12):5886–9
Production of procollagenase by cultured human keratinocytes. Petersen MJ, et al. **J Biol Chem** 1987 Jan 15;262(2):835–40
Human skin chymotrypsin-like proteinase chymase. Subcellular localization to mast cell granules and interaction with heparin and other glycosaminoglycans. Sayama S, et al. **J Biol Chem** 1987 May 15;262(14):6808–15
Skin-derived fibroblasts respond to human parathyroid hormone-like adenylate cyclase-stimulating proteins. Wu TL, et al. **J Clin Endocrinol Metab** 1987 Jul;65(1):105–9
Hyaluronidase activity of rabbit skin wound granulation tissue fibroblasts. Ruggiero SL, et al. **J Dent Res** 1987 Jul; 66(7):1283–7
Localization of angiotensin converting enzyme (ACE) in granulomas of sarcoidosis cutaneous lesions. Takemura S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):122–5
Immunohistochemical localization of ornithine decarboxylase in human skin. Verrando P, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):112–7
Dopachrome conversion and dopa oxidase activities in recessive yellow mice. Catalytic activities of extracts from pheomelanic and eumelanic tissues. Lamoreux ML.
J Hered 1986 Sep-Oct;77(5):337–40
The role of calcium in the regulation of free radical reduction by thioredoxin reductase at the surface of the skin. Schallreuter KU, et al. **J Inorg Biochem** 1986 Oct-Nov; 28(2-3):227–38
Partial characterization of phospholipase C activity in normal, psoriatic uninvolved, and lesional epidermis. Bartel RL, et al. **J Invest Dermatol** 1987 Apr;88(4):447–51
Is increased 5 alpha-reductase activity a primary phenomenon in androgen-dependent skin disorders? Dijkstra AC, et al. **J Invest Dermatol** 1987 Jul;89(1):87–92
Decreased skin superoxide dismutase activity by a single exposure of ultraviolet radiation is reduced by liposomal superoxide dismutase pretreatment. Miyachi Y, et al.
J Invest Dermatol 1987 Jul;89(1):111–2
Retinoid treatment of human psoriatic fibroblasts induces an increase in cyclic AMP-dependent protein kinase activity. Raynaud F, et al. **J Invest Dermatol** 1987 Jul;89(1):105–10
Free radical reduction by thioredoxin reductase at the surface of normal and vitiliginous human keratinocytes. Schallreuter KU, et al. **J Invest Dermatol** 1986 Dec; 87(6):728–32
Substrate specificity of human cutaneous alcohol dehydrogenase and erythema provoked by lower aliphatic alcohols. Wilkin JK, et al. **J Invest Dermatol** 1987 Apr; 88(4):452–4
The presence of an inhibitor of human skin collagenase in the roots of healthy and periodontally diseased teeth. Morris ML, et al. **J Periodont Res** 1987 Jan;22(1):78–80
Effects of 10-(2-propynyl)-estr-4-ene-3,17-dione (MDL 18,962)--a mechanism-based irreversible inhibitor of aromatase--in cultured human foreskin fibroblasts. Kruter RH, et al. **J Steroid Biochem** 1987 Aug;28(2):139–45
Inter-individual variations of arylhydrocarbon-hydroxylase activity in cultured human epidermal and dermal cells. Kuroki T, et al. **Jpn J Cancer Res** 1987 Jan;78(1):45–53
Calmodulin antagonists suppress cholesterol synthesis by inhibiting sterol delta 24 reductase. Filipovic I, et al.
Lipids 1987 Apr;22(4):261–5
Angiotensin-converting enzyme: characteristics in human skin fibroblasts. Smallridge RC, et al. **Metabolism** 1986 Oct; 35(10):899–904
Vitamin K-dependent carboxylase in skin. **Nutr Rev** 1987 Jun;45(6):190–2 (6 ref.)
Carcinogen metabolizing enzymes in nude mice. Laaksonen AM, et al. **Pharmacol Toxicol** 1987 Jan;60(1):58–61
Immunochemical studies of fibroblasts from patients with methylmalonyl-CoA mutase apoenzyme deficiency: detection of a mutation interfering with mitochondrial import. Fenton WA, et al. **Proc Natl Acad Sci USA** 1987 Mar;84(5):1421–4
[Immunohistochemical demonstration of tyrosinase 4 in normal skin and melanocytic tumors] Kageshita T, et al.
Nippon Hifuka Gakkai Zasshi 1987 May;97(6):685–90 **(Jpn)**
[Enzyme activities of cultured skin fibroblasts in Werner's syndrome] Shindo Y, et al.
Nippon Hifuka Gakkai Zasshi 1987 May;97(6):723–8 **(Jpn)**
[Diagnosis of pyruvate dehydrogenase complex deficiency in biopsied muscles and cultured skin fibroblasts] Naito E, et al. **No To Hattatsu** 1986;18(6):459–63 (Eng. Abstr.) **(Jpn)**
[Selected lysosomal enzyme activity in the scales of psoriatic eruptions] Bienias L, et al. **Przegl Dermatol** 1986 May-Jun; 73(3):191–3 (Eng. Abstr.) **(Pol)**
[Cadmium distribution in tissues and Na,K-ATPase activity of the skin of the frog Rana temporaria in different routes of cadmium uptake by the body] Vasil'eva VF, et al.
Zh Evol Biokhim Fiziol 1987 May-Jun;23(3):300–4 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Sub-cutaneous tissue growth in boys of the Gaddi tribe, Himachal Pradesh, India. Singh SP, et al.
Anthropol Anz 1987 Jun;45(2):165–73
Evidence for structural changes in dermatan sulfate and hyaluronic acid with aging. Longas MO, et al.
Carbohydr Res 1987 Jan 15;159(1):127–36
Interrelationships among epidermal Na-K ATPase, developmental stage and length of Rana catesbeiana tadpoles. Casada JH, et al. **Comp Biochem Physiol [A]** 1986; 85(3):429–33
Gene expression during formation of the cuticle of Caenorhabditis elegans. Hirsh D, et al.
Curr Probl Dermatol 1987;17:19–31
The carboxylpropeptide of type I procollagen in skin fibrillogenesis. Fleischmajer R, et al. **J Invest Dermatol** 1987 Aug;89(2):212–5
Morphogenesis and malformations of the skin
NICHD/NIADDK research workshop. Krey AK, et al.
J Invest Dermatol 1987 Apr;88(4):464–73 (100 ref.)
Relationship between maturation of the skin and electrical skin resistance. Muramatsu K, et al. **Pediatr Res** 1987 Jan; 21(1):21–4
[In vitro reconstruction of the human skin] Coulomb B, et al. **Rev Laryngol Otol Rhinol (Bord)** 1987;108(1):55–7 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Circulating IgG from patients with primary Sjögren's syndrome deposited in the epidermis of normal human skin transplanted to athymic nude mice. Oxholm P, et al.
Acta Pathol Microbiol Immunol Scand [A] 1987 Sep; 95(5):233–8
Immunohistochemical characterization of intraepidermal in vivo IgG deposits in patients with primary Sjögren's syndrome. Oxholm P, et al.
Acta Pathol Microbiol Immunol Scand [A] 1987 Sep; 95(5):239–44
Influence of mitosis on the in vitro intra-nuclear penetration of anti-RNP antibodies in several cell and tissue cultures. Guillet G, et al. **Agressologie** 1986 Sep;27(8):679–82
Characteristics of IgA deposits in liver and skin of patients with liver disease. van de Wiel A, et al.
Am J Clin Pathol 1986 Dec;86(6):724–30
Epidermal antigen preservation with freezing. Helm KF, et al. **Am J Dermatopathol** 1986 Dec;8(6):492–5
Three immunostaining techniques for the localization of leukocyte common antigen in formalin-fixed, paraffin-embedded dermatological biopsy specimens. Wick MR, et al. **Am J Dermatopathol** 1987 Jun;9(3):250–5
Immunofluorescent studies of skin in primary fibrositis syndrome. Caro XJ. **Am J Med** 1986 Sep 29;81(3A):43–9
Cellular responses to the intradermal injection of recombinant human gamma-interferon in lepromatous leprosy patients.

Kaplan G, et al. **Am J Pathol** 1987 Aug;128(2):345–53

Immunopathological abnormalities in the normal skin of patients with rheumatoid arthritis in relation to clinical and serological findings: a one year follow up study. Westedt ML, et al. **Ann Rheum Dis** 1987 Mar;46(3):213–8

Early detection of streptococcal group antigens in skin samples by latex particle agglutination. Bernard P, et al. **Arch Dermatol** 1987 Apr;123(4):468–70

Membrane attack complex of complement in leukocytoclastic vasculitis of the skin. Presence and possible pathogenetic role. Boom BW, et al. **Arch Dermatol** 1987 Sep; 123(9):1192–5

Characteristic immunologic profile of large atypical cells in lymphomatoid papulosis. Possible implications for histogenesis and relationship to other diseases [editorial] Kadin ME. **Arch Dermatol** 1986 Dec;122(12):1388–90

Atypical neutrophilic dermatosis with subcorneal IgA deposits. Wallach D, et al. **Arch Dermatol** 1987 Jun; 123(6):790–5

Ultrastructural lupus band test in the skin of MRL mice. Horiguchi Y, et al. **Arch Dermatol Res** 1986;278(6):474–80

PUVA treatment of human cultured fibroblasts from psoriatic skin enhances the binding of antibodies to SSA(Ro). Wollina U, et al. **Arch Dermatol Res** 1987;279(3):206–8

Do epidermotropic T cells exist in normal human skin? A re-evaluation of the SALT hypothesis [editorial] Breathnach SM. **Br J Dermatol** 1986 Oct;115(4):389–92

Immunogold labelling of epidermal Langerhans cells on tissue sections of normal human skin. De Panfilis G, et al. **Br J Dermatol** 1986 Sep;115(3):351–6

Antibody enhances lymphocyte proliferation in guinea pigs immunized to express cutaneous basophil hypersensitivity. Faix JD, et al. **Cell Immunol** 1986 May;99(2):354–63

Suppression of the cutaneous immune response following topical application of the prostaglandin PGE2. Rheins LA, et al. **Cell Immunol** 1987 Apr 15;106(1):33–42

Bullous pemphigoid and other basement membrane antigens. Diaz LA, et al. **Clin Dermatol** 1987 Jan–Mar;5(1):93–109 (88 ref.)

Immune complex-mediated complement activation in bullous pemphigoid. Gammon WR. **Clin Dermatol** 1987 Jan–Mar; 5(1):110–6 (25 ref.)

The immunopathology of bullous pemphigoid. Imber MJ, et al. **Clin Dermatol** 1987 Jan–Mar;5(1):81–92 (83 ref.)

The molecular pathogenesis of bullous pemphigoid. Wintroub BU, et al. **Clin Dermatol** 1987 Jan–Mar;5(1):126–34 (45 ref.)

Epidermolysis bullosa acquisita—mapping of antigenic determinants by an immunofluorescent technique. Barthelemy H, et al. **Clin Exp Dermatol** 1986 Jul; 11(4):378–86

Skin immunofluorescence in the diagnosis of primary bullous diseases—a review of 279 cases. Maurice PD, et al. **Clin Exp Dermatol** 1986 Jul;11(4):352–64

Release in vivo of IL-1 like activity by human skin. Dowd PM, et al. **Clin Exp Immunol** 1987 Mar;67(3):606–10

Phenotypic characterization of the early cellular responses in allergic and irritant contact dermatitis. Gawkrodger DJ, et al. **Clin Exp Immunol** 1986 Dec;66(3):590–8

Epidermal keratinocyte Ia expression, Langerhans cell hyperplasia and lymphocytic infiltration in skin lesions of leprosy. Rea TH, et al. **Clin Exp Immunol** 1986 Aug; 65(2):253–9

Immune deposits in oral mucosa, skin and kidney in patients with systemic lupus erythematosus. Jonsson R, et al. **Clin Exp Rheumatol** 1986 Jul–Sep;4(3):231–6

Epidermal IgG deposits in patients with chronic inflammatory connective tissue diseases: diagnostic value and correlation to clinical and immunological parameters in patients with primary Sjögren's syndrome. Oxholm P, et al. **Clin Exp Rheumatol** 1987 Jan–Mar;5(1):5–9

The presence of IgE on macrophages and dendritic cells infiltrating into the skin lesion of atopic dermatitis. Leung DY, et al. **Clin Immunol Immunopathol** 1987 Mar; 42(3):328–37

Bacterial colonization of intravascular catheters and anergy to recall skin antigens. Lehtonen OP, et al. **Crit Care Med** 1987 Feb;15(2):103–5

Altered skin basement membrane antigenicity in epidermolysis bullosa. Fine JD. **Curr Probl Dermatol** 1987; 17:111–26

Outcome of asbestos exposure (lung fibrosis and antinuclear antibodies) with respect to skin reactivity: an 8-year longitudinal study. Lange A, et al. **Environ Res** 1986 Oct; 41(1):1–13

The effect of skin allograft survival of a monoclonal antibody specific for a polymorphic CD3-like cell surface molecule in rhesus monkeys. Nooij FJ, et al. **Eur J Immunol** 1987 Aug;17(8):1089–93

Association of the HLA-DR2/DR4 phenotype with skin test responses to bovine dermal collagen: a potential interaction of two MHC alleles in regulating an immune response. Cooperman LS, et al. **Hum Immunol** 1986 Dec;17(4):471–9

Effects of therapy with azathioprine and prednisolone and ultraviolet irradiation on mouse skin immune function and immune cell markers. Kelly GE, et al. **Immunol Cell Biol** 1987 Apr;65 (Pt 2):153–61

MHC class II antigen expression in normal human epidermis. Carr MM, et al. **Immunology** 1986 Oct;59(2):223–7

Effects on murine T helper cell proliferation by DTH activated syngeneic epidermal cells. Scheynius A, et al. **Immunology** 1986 Nov;59(3):379–82

Purification, partial characterization, and identification of a skin-reactive protein antigen of Mycobacterium bovis BCG. De Bruyn J, et al. **Infect Immun** 1987 Jan; 55(1):245–52

Inflammatory and immunological responses in skin and peripheral lymph of sheep following intracutaneous injection of Staphylococcus aureus. Kerlin RL, et al. **Inflammation** 1987 Jun;11(2):175–88

Immunohistologic comparison between armadillo-derived leprosin and standard lepromin skin tests in leprosy patients. Narayanan RB, et al. **Int Arch Allergy Appl Immunol** 1987; 82(2):202–7

Schistosoma mansoni: the cutaneous response to cercarial challenge in naive guinea pigs and guinea pigs vaccinated with highly irradiated cercariae. Pearce EJ, et al. **Int J Parasitol** 1986 Oct;16(5):491–510

The IgE-mediated late-phase skin response—unraveling the enigma. Atkins PC, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):12–5 (30 ref.)

Cutaneous mast cell heterogeneity: response to antigen in atopic dogs. Becker AB, et al. **J Allergy Clin Immunol** 1986 Nov;78(5 Pt 1):937–42

Immune responses to bovine collagen implants. Significance of pretreatment serology. McCoy JP Jr, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):955–60

Linear immunofluorescence staining of the cutaneous basement membrane zone produced by pemphigoid antibodies: the result of hemidesmosome staining. Mutasim DF, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):75–82

Henoch-Schönlein vasculitis: direct immunofluorescence study of uninvolved skin. Van Hale HM, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):665–70

Immunohistology of pityriasis lichenoides et varioliformis acuta and pityriasis lichenoides chronica. Evidence for their interrelationship with lymphomatoid papulosis. Wood GS, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):559–70

A comparative immunohistochemical study of adult T cell leukemia and cutaneous T cell lymphoma. Sudo S, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):460–3

Localized pemphigoid: a case report showing in situ deposition as well as presence in serum of IgG and IgA anti-basement membrane zone antibodies. Sugihara K, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):73–6

The role of MCA in dermatology: monoclonal antibodies in cutaneous immunohistochemistry. Thivolet J. **J Dermatol (Tokyo)** 1986 Oct;13(5):313–25 (28 ref.)

Regional variations in antigenic properties of skin. A possible cause for disease-specific distribution of skin lesions. Sison-Fonacier L, et al. **J Exp Med** 1986 Dec 1; 164(6):2125–30

Psoriatic skin lesions contain biologically active amounts of an interleukin 1-like compound. Camp RD, et al. **J Immunol** 1986 Dec 1;137(11):3469–74

Involvement of prostaglandins in the immune alterations caused by the exposure of mice to ultraviolet radiation. Chung HT, et al. **J Immunol** 1986 Oct 15;137(8):2478–84

Suppressor T lymphocytes from lepromatous leprosy skin lesions. Modlin RL, et al. **J Immunol** 1986 Nov 1; 137(9):2831–4

Cloned auto-Ia-reactive T cells elicit lichen planus-like lesion in the skin of syngeneic mice. Saito K, et al. **J Immunol** 1986 Oct 15;137(8):2485–95

Responder strain-specific enhancement of endothelial and mononuclear cell Ia in delayed hypersensitivity reactions in (strain 2 X strain 13)F1 guinea pigs. Sobel RA, et al. **J Immunol** 1986 Oct 1;137(7):2132–8

Hybrid resistance to parental mast cell precursors in the skin of (WB X C57BL/6)F1-W/Wv mice. Sonoda S, et al. **J Immunol** 1986 Oct 1;137(7):2152–5

Induction and regulation of contact hypersensitivity by resident, bone marrow-derived, dendritic epidermal cells: Langerhans cells and Thy-1+ epidermal cells. Sullivan S, et al. **J Immunol** 1986 Oct 15;137(8):2460–7

The skin immune system (SIS): distribution and immunophenotype of lymphocyte subpopulations in normal human skin. Bos JD, et al. **J Invest Dermatol** 1987 May; 88(5):569–73

Monoclonal antibody labeling of mononuclear cell surface antigens in formaldehyde-fixed paraffin-embedded cutaneous tissue. Cerio R, et al. **J Invest Dermatol** 1986 Oct;87(4):499–503

An in situ immunogold method applied to the identification of plasma membrane-associated antigens of skin-infiltrating cells. De Panfilis G, et al. **J Invest Dermatol** 1986 Oct; 87(4):510–4

Keratinocyte expression of MHC class II antigens in allergic sensitization and challenge reactions and in irritant contact dermatitis. Gawkrodger DJ, et al. **J Invest Dermatol** 1987 Jan;88(1):11–6

Apoptotic keratin bodies as autoantigen causing the production of IgM-anti-keratin intermediate filament autoantibodies. Grubauer G, et al. **J Invest Dermatol** 1986 Oct;87(4):466–71

Demonstration of Skn antigens on mouse epidermal cells by immunofluorescence and flow cytometry. Jackman SH, et al. **J Invest Dermatol** 1987 May;88(5):574–6

Granulomatous slack skin: clonal rearrangement of the T-cell receptor beta gene is evidence for the lymphoproliferative nature of a cutaneous elastolytic disorder. LeBoit PE, et al. **J Invest Dermatol** 1987 Aug;89(2):183–6

Immunophenotyping of the cutaneous infiltrate and of the mononuclear cells in the peripheral blood in patients with atopic dermatitis. Lever R, et al. **J Invest Dermatol** 1987 Jul;89(1):4–7

Killing of human dermal capillary endothelial cells by antibody-dependent cellular cytotoxicity. Marks RM, et al. **J Invest Dermatol** 1986 Oct;87(4):519–23

A controlled and blinded study of immunoreactant deposition at the dermal-epidermal junction of patients with primary fibrositis syndrome. Caro XJ, et al. **J Rheumatol** 1986 Dec; 13(6):1086–92

Comparison of the evolving histopathology of early and late cutaneous and asthmatic responses in rabbits after a single antigen challenge. Behrens BL, et al. **Lab Invest** 1987 Jan; 56(1):101–13

Characterization of nonhuman primate epidermal and dermal dendritic cells with monoclonal antibodies. A study of Langerhans cells and indeterminate cells in the rhesus monkey. Ringler DJ, et al. **Lab Invest** 1987 Mar; 56(3):313–20

Immunology of human skin and susceptibility to HIV infection [letter] Kay LA. **Lancet** 1987 Jul 18;2(8551):166

"Aberrant" MHC class II expression in epithelia [letter]Moore M, et al. **Lancet** 1987 Jan 17;1(8525):165

Effector and suppressor circuits of the immune response are activated in vivo by different mechanisms. Okamoto H, et al. **Proc Natl Acad Sci USA** 1987 Jun;84(11):3841–5

Mechanisms of antigen-induced reactions in skin and lung. Gold WM. **Respiration** 1986;50 Suppl 2:42–56

Characterization of intraepidermal IgG deposits in patients with primary Sjögren's syndrome. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:181–4

Diagnostic significance of immunohistological skin examination in patients with primary Sjögren's syndrome and other chronic inflammatory connective tissue diseases. Oxholm P, et al. **Scand J Rheumatol [Suppl]** 1986;61:173–6

Skin hypersensitivity of the delayed type in renal transplant patients receiving azathioprine or cyclosporine. Kimmelstiel FM, et al. **Transplant Proc** 1987 Apr; 19(2):2939–42

Epithelial class II antigen expression in cutaneous graft-versus-host disease. Beschorner WE, et al. **Transplantation** 1987 Aug;44(2):237–43

Localization of immunoglobulins and complement by the peroxidase antiperoxidase method in autoimmune and non-autoimmune canine dermatopathies. Moore FM, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):1–9

[Immunofluorescence study of the skin in lupus erythematosus] Velthuis PJ, et al. **Ned Tijdschr Geneeskd** 1986 Nov 1;130(44):1976–80 **(Dut)**

[Value of cutaneous immunofluorescence in the etiological diagnosis of a disease with antinuclear antibodies] Lévêque E, et al. **Ann Dermatol Venereol** 1986;113(8):655–64 (Eng. Abstr.) **(Fre)**

[Histamine reactivity of affected and unaffected skin in endogenous eczema and in chronic allergic contact dermatitis] Haustein UF, et al. **Allerg Immunol (Leipz)** 1986; 32(3):193–8 (Eng. Abstr.) **(Ger)**

[The immune system of the skin] Haustein UF. **Dermatol Monatsschr** 1987;173(4):173–82 (Eng. Abstr.) **(Ger)**

[Determination of surface markers of free cells of the normal human skin using an original method of immuno-electro-microscopy on tissue (immune-gold)] De Panfilis G, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb; 122(1–2):19–23 (Eng. Abstr.) **(Ita)**

[Dermo-epidermal blister formation in normal human skin in organ culture by linear IgA dermatosis sera] Akahoshi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug; 96(9):921–6 **(Jpn)**

[Two cases of psoriatic erythroderma with high values of plasma CEA and the simultaneous co-existence of CEA in the epidermis of the cutaneous lesions] Inoue S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):711–8 **(Jpn)**

[Immunohistochemical study of the distribution of blood group antigens A, B and H in normal skin] Kageshita T, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):705–10 **(Jpn)**

[Autoantibodies to the thymus and skin epithelium in NZB/N mice and (NZBxNZW)F1 hybrids] Liampert IM, et al. **Biull Eksp Biol Med** 1986 Sep;102(9):321–4 (Eng. Abstr.) **(Rus)**

[Antibodies reacting with thymus and skin epithelium and antibodies to cell nuclei in immunization with streptococcal group A polysaccharide conjugated with synthetic polyelectrolytes] Ryzhikova EV, et al. **Biull Eksp Biol Med** 1987 Jun;103(6):707–10 (Eng. Abstr.) **(Rus)**

[Role of autosensitization in the pathogenesis of vitiligo] Koshevenko IuN. **Vestn Dermatol Venerol** 1986;(9):46–9 (Eng. Abstr.) **(Rus)**

[Synthesis of monoclonal antibodies to tissue-specific antigens of human skin and thymus epithelium in polyclonal activation by pertussis toxin] Drobyshevskaia EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1987 Apr;(4):85–8 (Eng. Abstr.) **(Rus)**

INJURIES

Restoration of skin defects with fibrin glue. Bornemisza G, et al. **Acta Chir Hung** 1986;27(4):249–58

The effect of pulse-modulated thermal radiation on the time-intensity relationship for dermal pain. Miller TM. **Am Ind Hyg Assoc J** 1986 Oct;47(10):629–34

Multiple perforations of the skin by a stylet [letter] Donn SM, et al. **Am J Perinatol** 1986 Oct;3(4):361
Acute upper airway injury in burn patients. Serial changes of flow–volume curves and nasopharyngoscopy. Haponik EF, et al. **Am Rev Respir Dis** 1987 Feb;135(2):360–6
The effect of hyperbaric oxygen on the bursting strength and rate of vascularization of skin wounds in the rat. Meltzer T, et al. **Am Surg** 1986 Dec;52(12):659–62
A comparison of materials for percutaneous connectors. Kadefors R, et al. **Ann Biomed Eng** 1974 Sep;2(3):274–88
Accelerated healing of carbon dioxide laser burns in rats treated with composite polyurethane dressings. Chan P, et al. **Arch Dermatol** 1987 Aug;123(8):1042–5
Reduction of skin damage from transcutaneous oxygen electrodes using a spray on dressing. Evans NJ, et al. **Arch Dis Child** 1986 Sep;61(9):881–4
Comparison of the dielectric properties of normal and wounded human skin material. Gabriel C, et al. **Bioelectromagnetics** 1987;8(1):23–7
In vivo test system for characterization of skin wound healing. Cahill BP, et al. **Biomed Sci Instrum** 1987;23:29–33
Cutaneous hyperalgesia: contributions of the peripheral and central nervous systems to the increase in pain sensitivity after injury. Coderre TJ, et al. **Brain Res** 1987 Feb 24; 404(1–2):95–106
Factitious skin wounds. Edlich RF, et al. **Compr Ther** 1987 Aug;13(8):57–61
Evaluation of a new dressing in the treatment of sports-related skin lesions. Levy AM, et al. **Cutis** 1987 Feb; 39(2):161–4
The self-inflicted dermatoses: a critical review. Gupta MA, et al. **Gen Hosp Psychiatry** 1987 Jan;9(1):45–52
Topical treatment of experimental skin lesions in rats: macroscopic, microscopic and scanning electron–microscopic evaluation of the healing process. Trabucchi E, et al. **Int J Tissue React** 1986;8(6):533–44
Skin avulsion during oscillometry. Bause GS, et al. **J Clin Monit** 1986 Oct;2(4):262–3
Use of lasers for closure of cutaneous wounds: experience with Nd:YAG, argon and CO2 lasers. Abergel RP, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1181–5
Basic mechanisms in the healing cutaneous wound. Kanzler MH, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1156–64
Bullet or bite—a contribution to the morphogenesis of gunshot dermal injury. Adelson L. **J Forensic Sci** 1986 Oct; 31(4):1479–86
Evaluation of epidermal cell kinetics following freezing or wounding of mouse skin and their potential as initiators of carcinogenesis. Hasegawa R, et al. **J Invest Dermatol** 1987 May;88(5):652–6
Ultrasonic assessment of skin and wounds with the scanning laser acoustic microscope. Olerud JE, et al. **J Invest Dermatol** 1987 May;88(5):615–23
Wound healing in sarcoma-bearing rats: tumor effects on cutaneous and deep wounds. Lawrence WT, et al. **J Surg Oncol** 1987 May;35(1):7–12
Reaction of various skin wounds in the rat to collagen sponge dressing. Chvapil M, et al. **J Surg Res** 1986 Oct;41(4):410–8
Comparative study of four wound dressings on epithelization of partial-thickness wounds in pigs. Chvapil M, et al. **J Trauma** 1987 Mar;27(3):278–82
Ancrod prevents vascular occlusion in thermally injured rats. Ehrlich HP, et al. **J Trauma** 1987 Apr;27(4):420–4
Natural course of the human bite wound: incidence of infection and complications in 434 bites and 803 lacerations in the same group of patients. Lindsey D, et al. **J Trauma** 1987 Jan;27(1):45–8
How to avoid surface burns during electrosurgery. Irnich W. **Med Instrum** 1986 Nov–Dec;20(6):320–6
Depletion of neuropeptides during wound healing in rat skin. Senapati A, et al. **Neurosci Lett** 1986 Oct 30;71(1):101–5
Effects of high voltage stimulation on cutaneous wound healing in rabbits. Brown M, et al. **Phys Ther** 1987 May; 67(5):662–7
Acute and definitive management of traumatic osteocutaneous defects of the lower extremity. Yaremchuk MJ, et al. **Plast Reconstr Surg** 1987 Jul;80(1):1–14
[Treatment of extensive avulsions of the skin and soft tissues of the extremities] Huygen RE, et al. **Ned Tijdschr Geneeskd** 1986 Oct 11;130(41):1836–40 (Eng. Abstr.) **(Dut)**
[Surgical treatment of traumatic cutaneous substance losses. Apropos of 100 cases] Benhamla A, et al. **Ann Chir Plast Esthet** 1986;31(2):157–62 (Eng. Abstr.) **(Fre)**
[Artefacts on the skin. 3 case reports] Sorhage B. **Fortschr Med** 1987 Feb 10;105(4):59–61 (Eng. Abstr.) **(Ger)**
[Characteristics of fibrin formation in stab wounds of the skin, determined by scanning electron microscopy] Lasarov I. **Z Rechtsmed** 1987;98(3):155–64 (Eng. Abstr.) **(Ger)**
[Amputations and loss of cutaneous substance of the digits. The choice of the appropriate surgical treatment] Altissimi M, et al. **Arch Putti Chir Organi Mov** 1985;35:239–46 (Eng. Abstr.) **(Ita)**
[Post-traumatic epitheliomas of the skin. Review of a 10-year case series] Alessi M, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):405–9 (Eng. Abstr.) **(Ita)**
[Transfer of cefotetan into exudates from excoriated skin wounds] Sugiyama H, et al. **Jpn J Antibiot** 1986 May; 39(5):1297–301 (Eng. Abstr.) **(Jpn)**
[A fatal fall from a height causing "internal print type of marginal hemorrhage"] Hashimoto Y, et al. **Nippon Hoigaku Zasshi** 1986 Feb;40(1):40–1 (Eng. Abstr.) **(Jpn)**
[Opioid activity of peptides and wound healing of the skin] Vinogradov VA, et al. **Biull Eksp Biol Med** 1987 Jul; 104(7):89–91 (Eng. Abstr.) **(Rus)**
[Thermostable placental alkaline phosphatase in the clinical evaluation of processes of regeneration] Miroshnikov VM, et al. **Lab Delo** 1986;(9):528–31 (Eng. Abstr.) **(Rus)**
[Non-free dermatoplasty in the treatment of injuries of the foot and their sequelae] Petrov NV. **Ortop Travmatol Protez** 1987 Feb;(2):58–9 **(Rus)**
[Accelerated healing of skin wounds after administration of blood serum preparations] Miroshnikov VM. **Patol Fiziol Eksp Ter** 1986 Sep–Oct;(5):28–31 (Eng. Abstr.) **(Rus)**
[Quantitative changes in prostaglandin F2 alpha for establishing the intravital nature and time of cutting wounds to the skin] Lazarov IK, et al. **Sud Med Ekspert** 1987 Jan–Mar;30(1):22–5 (Eng. Abstr.) **(Rus)**
[Local application of pentacin in dimethyl sulfoxide in skin burns contaminated with 241AM] Ivannikov AT, et al. **Vestn Dermatol Venerol** 1987;(1):53–5 (Eng. Abstr.) **(Rus)**

INNERVATION

Immunohistochemical demonstration of neuron specific enolase (NSE) on cutaneous nerves: comparative study using NSE and S-100 protein antibodies on denervated skin. Hachisuka H, et al. **Acta Histochem (Jena)** 1987; 81(2):227–35
Comparison of Hoffmann reflex with quantitative assessment of cutaneous sensation in diabetic neuropathy. Bertelsmann FW, et al. **Acta Neurol Scand** 1986 Aug;74(2):121–7
A detailed account of NPY-immunoreactive nerves and cells of the human skin. Comparison with VIP-, substance P- and PHI-containing structures. Johansson O. **Acta Physiol Scand** 1986 Oct;128(2):147–53
Peripheral neural correlates of cutaneous anaesthesia induced by skin cooling in man. Kunesch E, et al. **Acta Physiol Scand** 1987 Feb;129(2):247–57
Neurophysiologic maps of cutaneous innervation of the external genitalia of the ram. Kirk EJ, et al. **Am J Vet Res** 1987 Jul;48(7):1162–6
An approach to posterior femoral cutaneous nerve block. Hughes PJ, et al. **Anaesth Intensive Care** 1986 Nov; 14(4):350–1
Narcotics do not alter the heat response of unmyelinated primary afferents in monkeys. Raja SN, et al. **Anesthesiology** 1986 Nov;65(5):468–73
Skin potential reflex corresponding to transient motion discomfort. Isu N, et al. **Aviat Space Environ Med** 1987 Jun;58(6):576–80
Logarithmic transformations in ANOVA. Berry DA. **Biometrics** 1987 Jun;43(2):439–56
Perineural xanthoma. Nakayama H, et al. **Br J Dermatol** 1986 Dec;115(6):715–20
The effects of locally applied capsaicin on conduction in cutaneous nerves in four mammalian species. Baranowski R, et al. **Br J Pharmacol** 1986 Oct;89(2):267–76
Tactile cutaneous representation in cerebellar granule cell layer of the opossum, Didelphis virginiana. Welker W, et al. **Brain Behav Evol** 1985;27(2–4):57–79
Collateral reinnervation of skin by C-fibres following nerve injury in the rat. Brenan A. **Brain Res** 1986 Oct 15; 385(1):152–5
Inhibition of the responses of neurons in the rat spinal cord to noxious skin heating by stimulation in midbrain periaqueductal gray or lateral reticular formation. Carstens E, et al. **Brain Res** 1986 Sep 24;382(2):266–77
Noxious heating of the skin releases immunoreactive substance P in the substantia gelatinosa of the cat: a study with antibody microprobes. Duggan AW, et al. **Brain Res** 1987 Feb 17;403(2):345–9
Dorsal horn cells in the cat responding to stimulation of the plantar cushion. Egger MD, et al. **Brain Res** 1986 Sep 24; 383(1–2):68–82
Two immunohistochemically identified populations of calcitonin gene-related peptide (CGRP)-immunoreactive axons in human skin. Gibbins IL, et al. **Brain Res** 1987 Jun 23;414(1):143–8
Collateral sprouting of sensory axons in the hairy skin of the trunk: a morphological study in adult rats. Kinnman E. **Brain Res** 1987 Jun 30;414(2):385–9
Field potentials evoked in rat primary somatosensory cortex (SI) by impulses in cutaneous A beta- and C-fibres. Schouenborg J, et al. **Brain Res** 1986 Nov 5;397(1):86–92
Response to an itch-producing substance in cat. II. Cutaneous receptor populations with unmyelinated axons. Tuckett RP, et al. **Brain Res** 1987 Jun 9;413(1):95–103
Response to an itch-producing substance in cat. I. Cutaneous receptor populations with myelinated axons. Tuckett RP, et al. **Brain Res** 1987 Jun 9;413(1):87–94
Afferent fiber innervation on acupuncture points and its role in acupuncture analgesia. Lü GW. **Chen Tzu Yen Chiu** 1987; 12(1):1–32 (93 ref.)
Genito-femoral neuropathy. Rischbieth RH. **Clin Exp Neurol** 1986;22:145–7
Spread of HSV-1 to the mouse eye after inoculation in the skin of the snout requires an intact nerve supply to the inoculation site. Shimeld C, et al. **Curr Eye Res** 1987 Jan; 6(1):9–12
Skin nerve sympathetic activity during insulin-induced hypoglycaemia. Berne C, et al. **Diabetologia** 1986 Dec; 29(12):855–60
Discharge patterns of afferent cutaneous nerve fibers from the rat's tail during prolonged noxious mechanical stimulation. Handwerker HO, et al. **Exp Brain Res** 1987; 65(3):493–504
The responses of pericruciate cortical neurones to distal forepaw electrical stimulation in the unanaesthetized, unrestrained cat. Palmer CI, et al. **Exp Brain Res** 1986; 63(3):474–86
Sensitization of nociceptive cutaneous nerve fibers from the rat's tail by noxious mechanical stimulation. Reeh PW, et al. **Exp Brain Res** 1987;65(3):505–12
Convergent inputs from articular, cutaneous and muscle receptors onto ascending tract cells in the cat spinal cord. Schaible HG, et al. **Exp Brain Res** 1987;66(3):479–88
Analysis of switching neurons within the thermoafferent system. Werner J, et al. **Exp Brain Res** 1986;64(1):70–6
Responses in glabrous skin mechanoreceptors during precision grip in humans. Westling G, et al. **Exp Brain Res** 1987;66(1):128–40
Lack of spontaneous activity of cutaneous spinal dorsal horn neurons in awake, drug-free, spinally transected cats. Collins JG, et al. **Exp Neurol** 1987 May;96(2):299–306
Numerical patterns of axon regeneration that follow sciatic nerve crush in the neonatal rat. Jenq CB, et al. **Exp Neurol** 1987 Feb;95(2):492–9
Convergent effects from vestibulospinal tract and primary cutaneous afferent fibers on motoneurons to ankle extensor and flexor muscles in humans. Szturm T, et al. **Exp Neurol** 1987 Sep;97(3):529–41
Histochemical evidence for the presence of dipeptidylpeptidase IV in the Schwann cells of skin unmyelinated axons. Dubový P. **Experientia** 1987 Aug 15; 43(8):883–4
Relationships between the taste buds and the peculiar structures and movements of the first dorsal fin in Motella mustela (L.) (Pisces, Gadiformes). Vandewalle P, et al. **Gegenbaurs Morphol Jahrb** 1987;133(2):291–6
A device for measuring tactile spatiotemporal sensitivity. Van Doren CL, et al. **J Acoust Soc Am** 1987 Jun;81(6):1906–16
Normal and precocious sprouting of heat nociceptors in the skin of adult rats. Doucette R, et al. **J Comp Neurol** 1987 Jul 22;261(4):592–603
Regionally selective elimination of cutaneous thermal nociception in rats by neonatal capsaicin. Doucette R, et al. **J Comp Neurol** 1987 Jul 22;261(4):583–91
Successive waves of differentiation of cutaneous afferents in rat mystacial skin. Munger BL, et al. **J Comp Neurol** 1986 Oct 15;252(3):404–14
Central terminations of cutaneous mechanoreceptive afferents in the rat lumbar spinal cord. Woolf CJ. **J Comp Neurol** 1987 Jul 1;261(1):105–19
Somatotopic organization of cutaneous afferent terminals and dorsal horn neuronal receptive fields in the superficial and deep laminae of the rat lumbar spinal cord. Woolf CJ, et al. **J Comp Neurol** 1986 Sep 22;251(4):517–31
Morphology, distribution, and density of sensory receptors in the glabrous skin of the cat rhinarium. Abrahams VC, et al. **J Morphol** 1987 Feb;191(2):109–14
Skin sensory innervation patterns in embryonic chick hindlimb following dorsal root ganglion reversals. Scott SA. **J Neurobiol** 1986 Nov;17(6):649–68
Diagnosis of juvenile-adult form of neuroaxonal dystrophy by electron microscopy of rectum and skin biopsy [letter] Schwendemann G, et al. **J Neurol Neurosurg Psychiatry** 1987 Jun;50(6):818–21
Residual tactile sensitivity with self-directed stimulation in hemianaesthesia. Weiskrantz L, et al. **J Neurol Neurosurg Psychiatry** 1987 May;50(5):632–4
A kinematic and electromyographic study of cutaneous reflexes evoked from the forelimb of unrestrained walking cats. Drew T, et al. **J Neurophysiol** 1987 Apr;57(4):1160–84
Tactile detection of a dot on a smooth surface: peripheral neural events. LaMotte RH, et al. **J Neurophysiol** 1986 Oct; 56(4):1109–28
Distribution of activity in the spinal terminations of single hair follicle afferent fibers to somatotopically identified regions of the cat spinal cord. Meyers DE, et al. **J Neurophysiol** 1986 Oct;56(4):1022–38
Characterization of neuronal responses to noxious visceral and somatic stimuli in the medial lumbosacral spinal cord of the rat. Ness TJ, et al. **J Neurophysiol** 1987 Jun; 57(6):1867–92
PAD and PAH response patterns of group Ia- and Ib-fibers to cutaneous and descending inputs in the cat spinal cord. Rudomin P, et al. **J Neurophysiol** 1986 Oct;56(4):987–1006
Responses of primate spinothalamic neurons to noxious thermal stimulation of glabrous and hairy skin. Surmeier DJ, et al. **J Neurophysiol** 1986 Aug;56(2):328–50
Temporal features of the responses of primate spinothalamic neurons to noxious thermal stimulation of hairy and glabrous skin. Surmeier DJ, et al. **J Neurophysiol** 1986 Aug; 56(2):351–69
Static and dynamic response characteristics, receptive fields, and interaction with noxious input of midline medullary thermoresponsive neurons in the rat. Young AA, et al. **J Neurophysiol** 1987 Jun;57(6):1925–36
Effect of cutaneous nerve stimulation on voluntary and stretch reflex electromyographic activity in wrist flexors

in humans. Becker WJ, et al. **J Physiol (Lond)** 1987 Jan; 382:509–22

Are Merkel cell–neurite reciprocal synapses involved in the initiation of tactile responses in salamander skin? Diamond J, et al. **J Physiol (Lond)** 1986 Jul;376:101–20

The diving response in man: effects on sympathetic activity in muscle and skin nerve fascicles. Fagius J, et al. **J Physiol (Lond)** 1986 Aug;377:429–43

Artificial reflex arc: a potential solution for chronic aspiration. I. Neck skin stimulation triggering strap muscle contraction in the canine. Broniatowski M, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):331–3

Timing and site of nerve growth factor synthesis in developing skin in relation to innervation and expression of the receptor. Davies AM, et al. **Nature** 1987 Mar 26–Apr 1;326(6111):353–8

Reduced responsiveness of locus coeruleus neurons to cutaneous thermal stimuli in capsaicin–treated rats. Hajós M, et al. **Neurosci Lett** 1986 Oct 20;70(3):382–7

Sensory reinnervation and sensibility after superficial skin wounds in human patients. Hermanson A, et al. **Neurosci Lett** 1987 Mar 9;74(3):377–82

Immunohistochemical evidence for the presence of somatostatin–containing sensory nerve fibres in the human skin. Johansson O, et al. **Neurosci Lett** 1987 Jan 27; 73(3):225–30

Response of lumbar spinocervical tract cells to natural and electrical stimulation of the hindlimb footpads in cats. Kunze WA, et al. **Neurosci Lett** 1987 Apr 10;75(3):253–8

Innervation of facial skin but not masticatory muscles or the tongue by trigeminal primary afferents containing somatostatin in the rat. Ositelu DO, et al. **Neurosci Lett** 1987 Aug 5;78(3):271–6

The ventral septal area: electrophysiological evidence for putative arginine vasopressin projections onto thermoresponsive neurons. Disturnal JE, et al. **Neuroscience** 1986 Nov;19(3):795–802

Peripheral neuronal changes in growth–retarded neonates: an ultrastructural study. Hadi HA, et al. **Obstet Gynecol** 1987 Jun;69(6):916–20

Collateral sprouting in skin and sensory recovery after nerve injury in man. Inbal R, et al. **Pain** 1987 Feb;28(2):141–54

Effects of selective cutaneous denervation on hypothalamic thermosensitivity in rats. Heath ME, et al. **Pflugers Arch** 1987 Jan;408(1):73–9

Reinnervation of experimental superficial wounds in rats. Aldskogius H, et al. **Plast Reconstr Surg** 1987 Apr; 79(4):595–9

Sensibility and cutaneous reinnervation in free flaps. Hermanson A, et al. **Plast Reconstr Surg** 1987 Mar; 79(3):422–7

The recovery of sensory function following skin flaps in humans. Woodward KL, et al. **Plast Reconstr Surg** 1987 Mar;79(3):428–35

Evidence for a mosaic representation of the body surface in area 3b of the somatic cortex of cat. Favorov OV, et al. **Proc Natl Acad Sci USA** 1987 Sep;84(18):6606–10

The afferent innervation of the face of sheep and goats. Carr DH, et al. **Res Vet Sci** 1987 Jul;43(1):113–21

Cutaneous sensory impairment in rheumatoid atlanto–axial subluxation assessed quantitatively by electrical stimulation. Toolanen G. **Scand J Rheumatol** 1987;16(1):27–32

Responses of mechanoreceptive afferent units in the glabrous skin of the human hand to vibration. Lundström RJ. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):413–6

Central projections of identified, unmyelinated (C) afferent fibers innervating mammalian skin. Sugiura Y, et al. **Science** 1986 Oct 17;234(4774):358–61

Bilateral receptive fields and callosal connectivity of the body midline representation in the first somatosensory area of primates. Conti F, et al. **Somatosens Res** 1986;3(4):273–89

Somatotopic organization of the third somatosensory area (SIII) in cats. Garraghty PE, et al. **Somatosens Res** 1987; 4(4):333–57

Consistent features of the representation of the hand in area 3b of macaque monkeys. Pons TP, et al. **Somatosens Res** 1987;4(4):309–31

Relations between stimulus force, skin displacement, and discharge characteristics of slowly adapting type I cutaneous mechanoreceptors in glabrous skin of squirrel monkey hand. Pubols BH Jr, et al. **Somatosens Res** 1986; 4(2):111–25

Sensory innervation of the raccoon forepaw: 2. Response properties and classification of slowly adapting fibers. Rasmusson DD, et al. **Somatosens Res** 1986;4(1):63–75

Somatotopic organization and response characteristics of dorsal horn neurons in the cervical spinal cord of the cat. Sorkin LS, et al. **Somatosens Res** 1986;3(4):323–38

Sensory innervation of the raccoon forepaw: 1. Receptor types in glabrous and hairy skin and deep tissue. Turnbull BG, et al. **Somatosens Res** 1986;4(1):43–62

An anatomical study of the palmar cutaneous branch of the median nerve. Bezerra AJ, et al. **Surg Radiol Anat** 1986; 8(3):183–8

Anatomic study of the lateral cutaneous rami of the subcostal and iliohypogastric nerves. Maigne JY, et al. **Surg Radiol Anat** 1986;8(4):251–6

Lamellar cells of sensory receptors and perineural cells of nerve endings of pig skin contain cytokeratins. Ortonne JP, et al. **Virchows Arch [A]** 1987;410(6):547–52

[The segmental distribution of the afferent neurons of the "jianshi" point]Tao ZL, et al. **Chen Tzu Yen Chiu** 1986; 11(1):40–3 (Eng. Abstr.) **(Chi)**

[Morphological study on the low impedance line along channels] Wang ZT, et al. **Chen Tzu Yen Chiu** 1987; 12(1):82–5 (Eng. Abstr.) **(Chi)**

[Cutaneo–muscular reflexes of the human hand. I. Methodologic principles] Berkefeld J, et al. **EEG EMG** 1986 Dec;17(4):189–96 (Eng. Abstr.) **(Ger)**

[Sympathetic skin response (SSR)—a simple quantitative method for assessing sympathetic dysfunction. (1). SSR in normal man] Watahiki Y. **Rinsho Shinkeigaku** 1987 Apr; 27(4):442–8 (Eng. Abstr.) **(Jpn)**

[Morphofunctional restoration of a nerve trunk by filling the defect with a blood vessel] Chumasov EI, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):26–33 (Eng. Abstr.) **(Rus)**

[Morphologic differences in the cutaneous receptors of low– and high–excitability lines of rats] Vshivtseva VV, et al. **Arkh Anat Gistol Embriol** 1986 Dec;91(12):33–7 (Eng. Abstr.) **(Rus)**

[New data on the neural mechanisms of thermoregulation] Ivanov KP, et al. **Dokl Akad Nauk SSSR** 1986;290(3):762–5 **(Rus)**

[Role of superficial and deep cold receptors of the integument in thermoregulatory reactions] Minut–Sorokhtina OP. **Fiziol Zh SSSR** 1987 Feb;73(2):290–4 (Eng. Abstr.) **(Rus)**

[Change in the activity of sympathetic preganglionic neurons of the lumbar segments of the spinal cord as a result of thermal stimulation of the skin of the abdomen] Tsutsurin VI. **Fiziol Zh SSSR** 1986 Jul;72(7):893–901 (Eng. Abstr.) **(Rus)**

[Effect of catecholamines on the formation of vibration sensitivity] Mikulinskiĭ AM, et al. **Gig Sanit** 1986 Nov; (11):70–1 **(Rus)**

[Readjustment of the efferent activity of the scratching generator in response to stimulation of cutaneous afferents of the hindlimb of the decerebrate immobilized cat] Shimanskiĭ IuP, et al. **Neirofiziologiia** 1987;19(3):382–90 (Eng. Abstr.) **(Rus)**

[Method of early diagnosis of regeneration of injured peripheral nerves] Tsymbaliuk VI, et al. **Vrach Delo** 1987 Jun;(6):97–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Oxygen tension and consumption measured by a tc–PO2 electrode on heated skin before and after epidermal stripping. Jaszczak P, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):362–9

Oxidation of dopa in the skin of black and albino mice. Carstam R, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):369–74

Collagen biosynthesis in a case of epidermolysis bullosa dystrophica recessiva. Chamson A, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):16–23

Phenylethanolamine N–methyltransferase–like immunoreactivity in psoriasis. An immunohistochemical study on catecholamine synthesizing enzymes and neuropeptides of the skin. Johansson O, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):1–7

Reduced levels of histidine and urocanic acid in suction blister fluids from patients with psoriasis. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):295–300

Alterations in scleroderma fibroblast surface glycoproteins associated with increased collagen synthesis. Kähäri VM, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):199–205

Modulation of collagen metabolism in cultured human skin fibroblasts by dexamethasone: correlation with glucocorticoid receptor density. Oikarinen A, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):106–15

The effect of l–thyroxine treatment on skin accumulation of acid glycosaminoglycans in primary myxoedema. Lund P, et al. **Acta Endocrinol (Copenh)** 1986 Sep;113(1):56–8

Ca2+ as regulator of transepithelial K+ secretion in isolated frog skin. Nielsen R. **Acta Physiol Scand** 1987 Aug; 130(4):723–4

Identification of intratissue sites for xenobiotic activation and detoxication. Baron J, et al. **Adv Exp Med Biol** 1986; 197:119–44

Ethanol vapor above skin: determination by a gas sensor instrument and relationship with plasma concentration. Giles HG, et al. **Alcoholism (NY)** 1987 Jun;11(3):249–53

Glycoconjugates in sweat glands and other structures of skin from normal and cystic fibrosis subjects. Hazen–Martin DJ, et al. **Am J Dermatopathol** 1986 Dec;8(6):478–91

Dependence of L–arginine accumulation on membrane potential in cultured human fibroblasts. Bussolati O, et al. **Am J Physiol** 1987 Sep;253(3 Pt 1):C391–7

Effects of lung volume and O2 and CO2 content on cutaneous gas exchange in frogs. Malvin GM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):R941–6

Mitogen stimulation of Na+–H+ exchange: differential involvement of protein kinase C. Muldoon LL, et al. **Am J Physiol** 1987 Aug;253(2 Pt 1):C219–29

Albumin and IgG in skin and skeletal muscle after plasmapheresis with saline loading. Mullins RJ, et al. **Am J Physiol** 1987 Jan;252(1 Pt 2):H71–9

Relationships between calcium and chloride transport in frog skin glands. Ziyadeh FN, et al. **Am J Physiol** 1986 Oct; 251(4 Pt 2):F647–54

Comparative cutaneous histamine release by neuromuscular blocking agents. Galletly DC. **Anaesth Intensive Care** 1986 Nov;14(4):365–9

The influence of sympathetic nerves on transcutaneous oxygen tension in normal and ischemic lower extremities. Rooke TW, et al. **Angiology** 1987 May;38(5):400–10

Altered metabolic properties of cultured skin fibroblasts in Alzheimer's disease. Sims NR, et al. **Ann Neurol** 1987 May; 21(5):451–7

Electron–probe X ray microanalysis of transepithelial ion transport. Rick R, et al. **Ann NY Acad Sci** 1986;483:245–59

Beta–oxidation of very–long–chain fatty acids and their coenzyme A derivatives by human skin fibroblasts. Singh H, et al. **Arch Biochem Biophys** 1987 May 1;254(2):526–33

A comparative study of stearic and lignoceric acid oxidation by human skin fibroblasts. Singh H, et al. **Arch Biochem Biophys** 1986 Oct;250(1):171–9

A reticulated eruption on the chest. Reticular erythematous mucinosis (REM). Astle NJ, et al. **Arch Dermatol** 1987 Apr; 123(4):521, 523–4

Dermal pericapillary fibrin in venous disease and venous ulceration. Falanga V, et al. **Arch Dermatol** 1987 May; 123(5):620–3

Androgens and the skin. Another journey around the circle. Lucky AW. **Arch Dermatol** 1987 Feb;123(2):193–5

Effects of dietary supplementation of fish oil on neutrophil and epidermal fatty acids. Modulation of clinical course of psoriatic subjects. Ziboh VA, et al. **Arch Dermatol** 1986 Nov;122(11):1277–82

In vivo relationship between transepidermal water loss and percutaneous penetration of some organic compounds in man: effect of anatomic site. Lotte C, et al. **Arch Dermatol Res** 1987;279(5):351–6

In vivo distribution of linoleic acid in hairless rat skin following topical administration. Roguet R, et al. **Arch Dermatol Res** 1986;278(6):503–6

Effect of cyproterone acetate–ethinyl estradiol treatment on the proportions of linoleic and sebaleic acids in various skin surface lipid classes. Stewart ME, et al. **Arch Dermatol Res** 1986;278(6):481–5

Coordinated regulation of type I and type III collagen production and mRNA levels of pro alpha 1(I) and pro alpha 2(I) collagen in cultured morphea fibroblasts. Vuorio T, et al. **Arch Dermatol Res** 1987;279(3):154–60

Comparison of hydrocarbon—DNA adducts formed in mouse and human skin following treatment with benzo [A] pyrene. Watson WP, et al. **Arch Toxicol [Suppl]** 1987; 11:93–8

Downregulation of high density lipoprotein receptor activity of cultured fibroblasts by platelet–derived growth factor. Oppenheimer MJ, et al. **Arteriosclerosis** 1987 Jul–Aug; 7(4):325–32

Penetration of mucopolysaccharides into the skin of diverse animal species. Elling H. **Arzneimittelforschung** 1986 Oct; 36(10):1525–7

Free radicals in skin exposed to dithranol and its derivatives. Shroot B, et al. **Arzneimittelforschung** 1986 Aug; 36(8):1253–5

Effects of probucol on the composition and in vitro catabolism of LDL in type IIa hypercholesterolemia. Baudet MF, et al. **Atherosclerosis** 1986 Oct;62(1):65–71

Reduced sensitivity to catecholamine in Werner's syndrome fibroblasts. Bannai S, et al. **Biochem Biophys Res Commun** 1987 May 29;145(1):183–9

Abnormal protein metabolism in skin fibroblasts in vitro from patients with Duchenne muscular dystrophy. Rodemann HP, et al. **Biochem Biophys Res Commun** 1987 May 29; 145(1):1–9

Interleukin–1 inhibits the synthesis of collagen by fibroblasts. Bhatnagar R, et al. **Biochem Int** 1986 Oct;13(4):709–20

Location of antithrombin–binding regions in rat skin heparin proteoglycans. Jacobsson KG, et al. **Biochem J** 1986 Dec 15;240(3):625–32

Synthesis and degradation rates of collagens in vivo in whole skin of rats, studied with 18O2 labelling. Molnar JA, et al. **Biochem J** 1986 Dec 1;240(2):431–5

Effects of excess methionine on collagen metabolism: a study on newborn rat skin. Taniguchi K, et al. **Biochem Med Metab Biol** 1987 Feb;37(1):125–31

The formation of all–trans–retinoic acid from all–trans–retinol in hairless mouse skin. Connor MJ, et al. **Biochem Pharmacol** 1987 Mar 15;36(6):919–24

Lipophilic beta–adrenoceptor antagonists stimulate cholesterol biosynthesis in human skin fibroblasts. Corsini A, et al. **Biochem Pharmacol** 1987 Jun 15;36(12):1901–6

Depletion of nicotinamide adenine dinucleotide in normal and xeroderma pigmentosum fibroblast cells by the antitumor drug CC–1065. Jacobson MK, et al. **Biochemistry** 1986 Oct 7;25(20):5929–32

Potential dependence of unidirectional chloride fluxes across isolated frog skin. Biber TU, et al. **Biochim Biophys Acta** 1986 Nov 6;862(1):27–38

The effect of vitamin D status on cutaneous sterologenesis in vivo and in vitro. Feingold KR, et al. **Biochim Biophys Acta** 1987 Sep 14;930(2):193–200

Interleukin–1 increases collagen production and mRNA levels in cultured skin fibroblasts. Kähäri VM, et al. **Biochim Biophys Acta** 1987 Jul 6;929(2):142–7

The voltage–dependent chloride current conductance of toad skin is localized to mitochondria–rich cells. Katz U, et al. **Biochim Biophys Acta** 1986 Oct 23;861(3):480–2

Chemical alterations of hyaluronic acid and dermatan sulfate detected in aging human skin by infrared spectroscopy. Longas MO, et al. **Biochim Biophys Acta** 1986 Nov 19;

884(2):265–9
Metabolic activities in human skin fibroblasts preloaded with labeled GM2–ganglioside. Raghavan S, et al. **Biochim Biophys Acta** 1987 Jan 13;917(1):42–7
Effect of selenium compounds on selenium content, growth and 35S–cystine metabolism of skin fibroblasts from normal and cystinotic individuals. Rhead WJ, et al. **Bioinorg Chem** 1976;6(3):187–202
Eosinophils stimulate fibroblast DNA synthesis. Pincus SH, et al. **Blood** 1987 Aug;70(2):572–4
Topical steroid treatment reduces arachidonic acid and leukotriene B4 in lesional skin of psoriasis. Wong E, et al. **Br J Clin Pharmacol** 1986 Dec;22(6):627–32
On the definition of viability in isolated perfused skin preparations [letter] Riviere JE, et al. **Br J Dermatol** 1987 May;116(5):739–41
Papular and nodular mucinosis associated with systemic lupus erythematosus. Rongioletti F, et al. **Br J Dermatol** 1986 Nov;115(5):631–6
The release, tissue distribution and excretion of mercury from experimental amalgam tattoos. Cox SW, et al. **Br J Exp Pathol** 1986 Dec;67(6):925–35
Severe subcutaneous calcification in the 'CREST' syndrome: evidence of high turnover of calcific deposits. Veerapen K, et al. **Br J Rheumatol** 1987 Apr;26(2):89–92
Oxygen inhalation induced changes in the skin [letter] Hunt TK. **Br J Surg** 1987 Jul;74(7):654–5
Effects of garlic and onion oils on glutathione peroxidase activity, the ratio of reduced/oxidized glutathione and ornithine decarboxylase induction in isolated mouse epidermal cells treated with tumor promoters. Perchellet JP, et al. **Cancer Biochem Biophys** 1986 Oct;8(4):299–312
High stereoselectivity in mouse skin metabolic activation of methylchrysenes to tumorigenic dihydrodiols. Amin S, et al. **Cancer Res** 1987 Jul 15;47(14):3613–7
Inhibition of polycyclic aromatic hydrocarbon–DNA adduct formation in epidermis and lungs of SENCAR mice by naturally occurring plant phenols. Das M, et al. **Cancer Res** 1987 Feb 1;47(3):767–73
Characterization of human fibronectin glycopeptides from cystic fibrosis and control skin fibroblasts. Stowell CP, et al. **Carbohydr Res** 1986 Aug 15;151:279–92
Skin tumor promotion is associated with increased type V collagen content in the dermis. Marian B, et al. **Carcinogenesis** 1987 Jan;8(1):151–4
32P–postlabeling analysis of DNA adduction in mice by synthetic metabolites of the environmental carcinogen, 7H–dibenzo[c,g]carbazole: chromatographic evidence for 3–hydroxy–7H–dibenzo[c,g]carbazole being a proximate genotoxicant in liver but not skin. Schurdak ME, et al. **Carcinogenesis** 1987 Apr;8(4):591–7
Comparative metabolism and DNA binding of 6–nitro–5–methylchrysene and 5–methylchrysene. Shiue GH, et al. **Carcinogenesis** 1987 Sep;8(9):1327–31
Age–related changes in the biochemical and physicochemical properties of rat skin. Collagen synthesis and maturation and mechanical parameters (uniaxial tension). Flandin F, et al. **Cell Mol Biol** 1986;32(5):565–71
The cell–interactive properties of glucosylated very–low–density and low–density lipoproteins. Turk Z, et al. **Cell Mol Biol** 1987;33(3):345–54
Effects of inducers on the regio– and stereoselective metabolism of benzo[a]pyrene by mouse tissue microsomes. Hall M, et al. **Chem Biol Interact** 1986 Oct 1;59(3):265–80
The retention of isoconazole in the skin after once or twice daily application of 1% isoconazole nitrate cream (Travogen) over a 14–day period. Dykes PJ, et al. **Clin Exp Dermatol** 1986 Jul;11(4):365–70
Glucocorticoids change the ratio of type III to type I procollagen extracellularly. Shull S, et al. **Coll Relat Res** 1986 Jul;6(3):295–300
Effects of metamorphosis on water permeability of skin in the salamander, Ambystoma tigrinum. Galey WR, et al. **Comp Biochem Physiol [A]** 1987;86(3):429–32
Components of increased labelling with putrescine and fucose during healing of skin wounds. Bowness JM, et al. **Connect Tissue Res** 1987;16(1):57–70
Variability in proteoglycan synthesis among six strains of normal human adult skin fibroblasts. Vogel KG, et al. **Connect Tissue Res** 1986;15(3):187–98
Hydration studies on scaly hand eczema. Blichmann C, et al. **Contact Dermatitis** 1987 Mar;16(3):155–9
The collagens of skin. Burgeson RE. **Curr Probl Dermatol** 1987;17:61–75 (43 ref.)
Fibroblasts of an acrogeria patient produce normal amounts of type I and III collagen. Bruckner–Tuderman L, et al. **Dermatologica** 1987;174(4):157–65
Penetration kinetics of liposomal hydrocortisone in human skin. Wohlrab W, et al. **Dermatologica** 1987;174(1):18–22
Import of frog prepropeptide GLa into microsomes requires ATP but does not involve docking protein or ribosomes. Schlenstedt G, et al. **EMBO J** 1987 Mar;6(3):699–703
Influence of cumene hydroperoxide and 4–hydroxynonenal on the glutathione metabolism during in vitro ageing of human skin fibroblasts. Poot M, et al. **Eur J Biochem** 1987 Jan 15;162(2):287–91
Intrathecal administration of substance P enhances cutaneous plasma protein extravasation in pentobarbital anaesthetized rats. Kérouac R, et al. **Eur J Pharmacol** 1987 Jan 13;133(2):129–36
Collagen synthesis in growing human skin fibroblasts. Kirchhofer D, et al. **Exp Cell Biol** 1986;54(4):177–82
TPA–induced alteration of actin organization in cultured human keratinocytes. Kitano Y, et al. **Exp Cell Res** 1986 Dec;167(2):369–75
Plasmalogen deficiency in cultured skin fibroblasts from neonatal adrenoleukodystrophy. Sakai T, et al. **Exp Neurol** 1986 Oct;94(1):149–54
Calcium–binding proteins in rat skin. Schelling CP, et al. **FEBS Lett** 1987 Apr 6;214(1):21–7
Photosynthesis of vitamin D in the skin: effect of environmental and life–style variables. Holick MF. **Fed Proc** 1987 Apr;46(5):1876–82
Comparison of penetration and metabolism of [3H]diacetoxyscirpenol, [3H]verrucarin A and [3H]T–2 toxin in skin. Kemppainen BW, et al. **Food Chem Toxicol** 1987 May;25(5):379–86
The skin of the male African catfish, Clarias gariepinus: a source of steroid glucuronides. Ali SA, et al. **Gen Comp Endocrinol** 1987 Jun;66(3):415–24
Androgen binding in the skin of mature male brown trout, Salmo trutta L. Pottinger TG. **Gen Comp Endocrinol** 1987 May;66(2):224–32
Cerulein mRNA and peptide alpha–amidation activity in the skin of Xenopus laevis: stimulation by norepinephrine. Spindel ER, et al. **Gen Comp Endocrinol** 1987 Jul;67(1):67–76
Relative and absolute changes in soluble and insoluble collagen pool size in skin during normal growth and with dietary protein restriction in rats. Molnar JA, et al. **Growth** 1987 Spring;51(1):132–45
The binding of epidermolytic toxin from Staphylococcus aureus to mouse epidermal tissue. Smith TP, et al. **Histochem J** 1987 Mar;19(3):137–49
pH changes in the dermis during the course of the tuberculin skin test. Harrison DK, et al. **Immunology** 1986 Dec;59(4):497–501
Study of hydration of stratum corneum in leprosy. Okhandiar RP, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):395–400
Increased cutaneous fibrinolytic activity in aquagenic pruritus. Lotti T, et al. **Int J Dermatol** 1986 Oct;25(8):508–10
Extracellular deposition of eosinophil granule major basic protein in pressure urticaria. Peters MS, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):513–7
Penetration activities of ciprofloxacin into muscle, skin and fat following oral administration [letter] Aigner KR, et al. **J Antimicrob Chemother** 1986 Nov;18(5):644–5
Proteoglycan synthesis in normal and Lowe syndrome fibroblasts. Harper GS, et al. **J Biol Chem** 1987 Apr 25;262(12):5637–43
Formation of dermatan sulfate by cultured human skin fibroblasts. Effects of sulfate concentration on proportions of dermatan/chondroitin. Silbert JE, et al. **J Biol Chem** 1986 Oct 15;261(29):13397–400
Structure and formation of a stable histidine–based trifunctional cross–link in skin collagen. Yamauchi M, et al. **J Biol Chem** 1987 Aug 25;262(24):11428–34
The expression of mutant epidermal keratin cDNAs transfected in simple epithelial and squamous cell carcinoma lines. Albers K, et al. **J Cell Biol** 1987 Aug;105(2):791–806
The effects of sulfhydryl modifying reagents on nonhormonal and hormonally regulated hexose transport in cultured human skin fibroblasts. Germinario RJ, et al. **J Cell Physiol** 1987 Feb;130(2):214–20
Sodium 22+ washout from cultured rat cells. Kino M, et al. **J Cell Physiol** 1986 Oct;129(1):1–10
Insulin stimulation of aminoisobutyric acid transport in human skin fibroblasts is mediated through both insulin and type I insulin–like growth factor receptors. Chaiken RL, et al. **J Clin Endocrinol Metab** 1986 Nov;63(5):1181–5
Sunscreens suppress cutaneous vitamin D3 synthesis. Matsuoka LY, et al. **J Clin Endocrinol Metab** 1987 Jun;64(6):1165–8
Thyroid hormone inhibits fibronectin synthesis by cultured human skin fibroblasts. Murata Y, et al. **J Clin Endocrinol Metab** 1987 Feb;64(2):334–9
Decreased deoxyribonucleic acid binding of glucocorticoid–receptor complex in cultured skin fibroblasts from a patient with the glucocorticoid resistance syndrome. Nawata H, et al. **J Clin Endocrinol Metab** 1987 Aug;65(2):219–26
Altered binding of 125I–labeled calmodulin to a 46.5–kilodalton protein in skin fibroblasts cultured from patients with cystic fibrosis. Tallant EA, et al. **J Clin Invest** 1987 Feb;79(2):643–8
Transferrin receptor expression in normal skin and in various cutaneous tumors. Soyer HP, et al. **J Cutan Pathol** 1987 Feb;14(1):1–5
Regeneration and degradation of basal lamina–associated anionic sites in vitro. Manabe M. **J Dermatol (Tokyo)** 1987 Apr;14(2):95–100
Lunar cycles of coho salmon, Oncorhynchus kisutch. II. Scale amino acid uptake, nucleic acids, metabolic reserves and plasma thyroid hormones. Farbridge KJ, et al. **J Exp Biol** 1987 May;129:179–89
Collagen gene expression in keloids: analysis of collagen metabolism and type I, III, IV, and V procollagen mRNAs in keloid tissue and keloid fibroblast cultures. Ala–Kokko L, et al. **J Invest Dermatol** 1987 Sep;89(3):238–44
Skin permeability in the newborn. Barker N, et al. **J Invest Dermatol** 1987 Apr;88(4):409–11
Evidence for histamine in the urticating hairs of Hylesia moths. Dinehart SM, et al. **J Invest Dermatol** 1987 Jun;88(6):691–3
Substance P–induced histamine release in human cutaneous mast cells. Ebertz JM, et al. **J Invest Dermatol** 1987 Jun;88(6):682–5
Transforming growth factor–beta: selective increase in glycosaminoglycan synthesis by cultures of fibroblasts from patients with progressive systemic sclerosis. Falanga V, et al. **J Invest Dermatol** 1987 Jul;89(1):100–4
Effect of essential fatty acid deficiency on cutaneous sterol synthesis. Feingold KR, et al. **J Invest Dermatol** 1986 Nov;87(5):588–91
Localization of profilaggrin mRNA in newborn rat skin by in situ hybridization. Fisher C, et al. **J Invest Dermatol** 1987 May;88(5):661–4
Unscheduled DNA synthesis in human skin after in vitro ultraviolet–excimer laser ablation. Green HA, et al. **J Invest Dermatol** 1987 Aug;89(2):201–4
Isolation and characterization of type V collagen from human post–burn granulation tissues. Hashimoto Y, et al. **J Invest Dermatol** 1986 Oct;87(4):540–3
Discrepancy between the localization of in vivo bound immunoglobulins in the skin and in vitro binding sites of circulating anti–BMZ antibodies in bullous pemphigoid: immunoelectron microscopic studies. Horiguchi Y, et al. **J Invest Dermatol** 1986 Dec;87(6):715–9
Selective recovery of deranged water–holding properties by stratum corneum lipids. Imokawa G, et al. **J Invest Dermatol** 1986 Dec;87(6):758–61
Diffusion of [2–14C]diazepam across hairless mouse skin and human skin. Koch RL, et al. **J Invest Dermatol** 1987 May;88(5):582–5
Formation of epidermal cell thymocyte–activating factor (ETAF) from cultured human keratinocytes from normal and uninvolved psoriatic skin. Kragballe K, et al. **J Invest Dermatol** 1987 Jan;88(1):8–10
Physicochemical study of percutaneous absorption enhancement by dimethyl sulfoxide: dimethyl sulfoxide mediation of vidarabine (ara–A) permeation of hairless mouse skin. Kurihara–Bergstrom T, et al. **J Invest Dermatol** 1987 Sep;89(3):274–80
Modulation of arachidonic acid metabolism in a cultured newborn rat keratinocyte cell line. Kvedar J, et al. **J Invest Dermatol** 1987 Feb;88(2):124–9
In vitro damage of basal lamina–associated anionic sites by hydroxyl radical. Manabe M, et al. **J Invest Dermatol** 1987 May;88(5):657–60
Dermatitis herpetiformis: extraction of intact IgA from granular deposits in dermal papillae. Meyer LJ, et al. **J Invest Dermatol** 1987 May;88(5):559–63
Biologic properties of LTB4 and paf–acether in vivo in human skin. Michel L, et al. **J Invest Dermatol** 1987 Jun;88(6):675–81
Identification and subcellular distribution of cornified envelope precursor proteins in the transformed human keratinocyte line SV–K14. Michel S, et al. **J Invest Dermatol** 1987 Mar;88(3):301–5
Production of fibronectin by epithelium in a skin equivalent. O'Keefe EJ, et al. **J Invest Dermatol** 1987 May;88(5):634–9
Enhanced integumental and ocular amelanosis following the termination of cyclosporine administration. Pardue SL, et al. **J Invest Dermatol** 1987 Jun;88(6):758–61
The hairless rat: a relevant animal model to predict in vivo percutaneous absorption in humans? Rougier A, et al. **J Invest Dermatol** 1987 May;88(5):577–81
Alterations in the metabolism of filaggrin in the skin after chemical– and ultraviolet–induced erythema. Scott IR. **J Invest Dermatol** 1986 Oct;87(4):460–5
Effect of skin pretreatment with vehicle alone or drug in vehicle on flux of a subsequently applied drug: results of hairless mouse skin and diffusion cell studies. Sherertz EF, et al. **J Invest Dermatol** 1987 Sep;89(3):249–52
RNA, DNA, and cell surface characteristics of lesional and nonlesional psoriatic skin. Staiano–Coico L, et al. **J Invest Dermatol** 1987 May;88(5):646–51
Ultrastructure: effects of melanin pigment on target specificity using a pulsed dye laser (577 nm). Tong AK, et al. **J Invest Dermatol** 1987 Jun;88(6):747–52
Depletion of cutaneous glutathione and the induction of inflammation by 8–methoxypsoralen plus UVA radiation. Wheeler LA, et al. **J Invest Dermatol** 1986 Nov;87(5):658–62
Localization of the alpha 3 (V) chain of type V collagen in human skin. Woodley DT, et al. **J Invest Dermatol** 1987 Mar;88(3):246–52
Glucosylsterol and acylglucosylsterol of snake epidermis: structure determination. Abraham W, et al. **J Lipid Res** 1987 Apr;28(4):446–9
Relationship of epidermal lipogenesis to cutaneous barrier function. Grubauer G, et al. **J Lipid Res** 1987 Jun;28(6):746–52
Recognition of vesicular lipoproteins by the apolipoprotein B,E receptor of cultured fibroblasts. Williams KJ, et al. **J Lipid Res** 1986 Aug;27(8):892–900
Role of stratum corneum lipid fluidity in transdermal drug flux. Golden GM, et al. **J Pharm Sci** 1987 Jan;76(1):25–8
D–aspartic acid in aged mouse skin and lens. Fujii N, et al. **J Radiat Res (Tokyo)** 1987 Mar;28(1):117–25
Comparison of the penetration of 14 pesticides through the skin of young and adult rats. Shah PV, et al. **J Toxicol Environ Health** 1987;21(3):353–66
In vivo and in vitro absorption and binding to powered

stratum corneum as methods to evaluate skin absorption of environmental chemical contaminants from ground and surface water. Wester RC, et al. **J Toxicol Environ Health** 1987;21(3):367–74

Biochemical and morphological studies on the percutaneous uptake of [14C] ethylenediamine in the rat. Yang RS, et al. **J Toxicol Environ Health** 1987;20(3):261–72

The value of laser Doppler velocimetry and transcutaneous oxygen tension determination in predicting healing of ischemic forefoot ulcerations and amputations in diabetic and nondiabetic patients. Karanfilian RG, et al. **J Vasc Surg** 1986 Nov;4(5):511–6

The effect of 3-methylcholanthrene on postlanosterol cholesterol biosynthetic pathways in mouse skin. Kayata Y, et al. **Jpn J Cancer Res** 1987 Jul;78(7):663–9

Skin collagen changes in post-menopausal women receiving oestradiol gel. Brincat M, et al. **Maturitas** 1987 Apr;9(1):1–5

Physicochemical properties of the triiodothyronine nuclear receptor from tadpole liver, intestine and tail fin. Jaffe RC. **Mol Cell Endocrinol** 1987 Jul;52(1–2):137–42

Aluminum accumulation in the skin in end-stage renal failure. Ichimaru K, et al. **Nephron** 1987;46(3):239–42

Production of 1,25-dihydroxyvitamin D3 in skin. **Nutr Rev** 1986 Sep;44(9):299–300 (21 ref.)

Effect of age on the linoleate content of skin acylglucosylceramide in mice. **Nutr Rev** 1986 Nov; 44(11):372–3

EFAs and epidermal water barrier [letter] Hansen H. **Nutr Rev** 1987 Mar;45(3):95–6

Skin collagen changes in postmenopausal women receiving different regimens of estrogen therapy. Brincat M, et al. **Obstet Gynecol** 1987 Jul;70(1):123–7

Reversed short-circuit current across isolated skin of the toad Bufo arenarum. Berman DM, et al. **Pflugers Arch** 1987 Aug; 409(6):616–9

Phenothiazines increase active sodium transport across the isolated toad skin. Berman DM, et al. **Pflugers Arch** 1986 Sep;407(3):327–32

Evidence for a Na+/H+ exchanger at the basolateral membranes of the isolated frog skin epithelium: effect of amiloride analogues. Ehrenfeld J, et al. **Pflugers Arch** 1987 Jun;409(1–2):200–7

K+ -stimulated Na+ transport in frog-skin epithelia. Kaufman AI, et al. **Pflugers Arch** 1986 Dec;407(6):596–601

Niemann-pick variant disorders: comparison of errors of cellular cholesterol homeostasis in group D and group C fibroblasts. Butler JD, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(2):556–60

Altered chloride metabolism in cultured cystic fibrosis skin fibroblasts. Mattes PM, et al. **Proc Natl Acad Sci USA** 1987 May;84(9):3009–13

Route of passage of cypermethrin across the surface of sheep skin. Jenkinson DM, et al. **Res Vet Sci** 1986 Sep; 41(2):237–41

Output of triglyceride from the sebaceous gland and to the skin surface of cattle. McMaster JD, et al. **Res Vet Sci** 1986 Sep;41(2):242–6

Cutaneous and gill O2 uptake in the European eel (Anguilla anguilla L.) in relation to ambient PO2, 10–400 Torr. le Moigne J, et al. **Respir Physiol** 1986 Dec;66(3):341–54

Changes in water vapor loss from the skin of metal industry workers monitored during exposure to oils. Coenraads PJ, et al. **Scand J Work Environ Health** 1986 Oct;12(5):494–8

Percutaneous uptake rate of 2-butoxyethanol in the guinea pig. Johanson G, et al. **Scand J Work Environ Health** 1986 Oct;12(5):499–503

Aromatic cross-links in insect cuticle: detection by solid-state 13C and 15N NMR. Schaefer J, et al. **Science** 1987 Mar 6;235(4793):1200–4

Subcutaneous tissue oxygen tension falls during hemodialysis. Jensen JA, et al. **Surgery** 1987 Apr;101(4):416–21

Role of inflammatory cells in the metabolic activation of polycyclic aromatic hydrocarbons in mouse skin. Kensler TW, et al. **Toxicol Appl Pharmacol** 1987 Sep 15; 90(2):337–46

In vitro percutaneous penetration and metabolism of [3H]T-2 toxin: comparison of human, rabbit, guinea pig and rat. Kemppainen BW, et al. **Toxicon** 1987;25(2):185–94

Transdermal drug delivery and cutaneous metabolism. Guy RH, et al. **Xenobiotica** 1987 Mar;17(3):325–43 (50 ref.)

[Biochemical, pharmacological and therapeutic aspects of skin metabolism of arachidonic acid] Bouclier M, et al. **Ann Dermatol Venereol** 1986;113(12):1289–93 **(Fre)**

[Cutaneous apoprotein B and coronary atherosclerosis] Bouissou H, et al. **Arch Mal Coeur** 1986 Jul;79(8):1210–5 (Eng. Abstr.) **(Fre)**

[Metabolic functions of the skin] Lemaire R. **Phlebologie** 1986 Jul-Sep;39(3):543–51 (Eng. Abstr.) **(Fre)**

[Preparation and characterization of glycosaminoglycans from skin flakes and the epidermis in psoriasis vulgaris] Herrmann K, et al. **Dermatol Monatsschr** 1986; 172(10):577–84 (Eng. Abstr.) **(Ger)**

[Evaluation of the absorption of salicylic acid in keratolytic therapy] Montagnani A, et al. **G Ital Dermatol Venereol** 1986 Jul-Aug;121(4):293–6 (Eng. Abstr.) **(Ita)**

[Percutaneous absorption of flurbiprofen--comparison in 8 regional variations] Osamura H, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan;97(1):65–71 **(Jpn)**

[Studies on connective tissue biosynthesis and DNA synthesis of cultured dermal fibroblasts derived from patients with Werner's syndrome] Takeda K. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):143–50 **(Jpn)**

[Synthesis of vitamin D by the skin] Marcinowska-Suchowierska E. **Wiad Lek** 1987 Mar 15; 40(6):413–9 (Eng. Abstr.) **(Pol)**

[Binding and metabolism of testosterone in the skin of women with hirsutism] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1987 May;(5):55–8 (Eng. Abstr.) **(Rus)**

[Effect of ultraviolet rays on lipid peroxidation and various factors of its regulation in the rat skin] Maisuradze VN, et al. **Biol Nauki** 1987;(5):31–5 (Eng. Abstr.) **(Rus)**

[Effect of a medium with a low serum content on protein synthesis and secretion and RNA and DNA synthesis in a skin fibroblast culture from patients with rheumatoid arthritis and systemic scleroderma] Abakumova OIu, et al. **Biull Eksp Biol Med** 1986 Dec;102(12):706–9 (Eng. Abstr.) **(Rus)**

[Oxygen metabolism in the skin in chronic phosphorus poisoning] Orynbaev TO, et al. **Gig Tr Prof Zabol** 1986 Sep;(9):59–61 **(Rus)**

[Synthesis of procollagen proteins in cultured skin fibroblasts of patients with Ehlers-Danlos type I syndrome from a subisolated Azerbaijan population] Lomova TIu, et al. **Mol Gen Mikrobiol Virusol** 1986 Feb;(2):35–9 (Eng. Abstr.) **(Rus)**

[Tissue hypoxia in patients with scoliosis] Arakcheev AI. **Ortop Travmatol Protez** 1986 Jul;(7):27–8 **(Rus)**

[Polarographic study of the skin in malignant tumors of the head and neck] Dmitrieva VS, et al. **Sov Med** 1986; (12):112–3 **(Rus)**

[Cytochemical and electron microscopic research on the peripheral blood leukocytes and skin fibroblasts in mucopolysaccharidoses] Barer FS, et al. **Tsitol Genet** 1986 Sep-Oct;20(5):330–4 (Eng. Abstr.) **(Rus)**

[Protein synthesis and secretion and RNA and DNA synthesis in human skin fibroblasts in a medium with a low serum content] Abakumova OIu, et al. **Tsitologiia** 1986 Sep; 28(9):1016–23 (Eng. Abstr.) **(Rus)**

[Role of peroxidation of membrane lipids in the pathogenesis of discoid lupus erythematosus] Akimov VG. **Vestn Dermatol Venerol** 1987;(6):7–9 (Eng. Abstr.) **(Rus)**

[Changes in the cellular respiratory activity of the skin in arthrosis deformans patients as affected by taking hydrogen sulfide baths] Tsarfis PG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1986 Jul-Aug; (4):38–40 **(Rus)**

[Effect of antioxidants on redox processes and free radicals in the skin of psoriasis patients] Dashchuk AM, et al. **Vrach Delo** 1987 Jun;(6):99–100 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Effect of chlorhexidine 0.5% on the hand bacterial flora. Sia RL, et al. **Acta Anaesthesiol Scand** 1986 Aug; 30(6):477–9

The effect of UV-light on human skin microorganisms. Faergemann J, et al. **Acta Derm Venereol (Stockh)** 1987; 67(1):69–72

An in vitro human skin model for assaying topical drugs against dermatophytic fungi. Kligman AM, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):243–8

Influence of repeated washings with soap and synthetic detergents on pH and resident flora of the skin of forehead and forearm. Results of a cross-over trial in health probationers. Korting HC, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):41–7

Microbiologic effects of emollient on gloved hands. Larson EL, et al. **Am J Infect Control** 1987 Aug;15(4):168–71

Evaluation of a standard scrubbing method for the recovery of aerobic skin flora. Chevalier J, et al. **Ann Inst Pasteur Microbiol** 1987 May-Jun;138(3):349–58

Activity of nine antimicrobial agents against Corynebacterium group D2 strains isolated from clinical specimens and skin. Fernández-Roblas R, et al. **Antimicrob Agents Chemother** 1987 May;31(5):821–2

The in vitro antimicrobial effect of azelaic acid. Leeming JP, et al. **Br J Dermatol** 1986 Nov;115(5):551–6

Rate of bacterial recolonization of the skin after preparation: four methods compared. Johnston DH, et al. **Br J Surg** 1987 Jan;74(1):64

In vitro growth inhibition of mastitis pathogens by bovine teat skin normal flora. Woodward WD, et al. **Can J Vet Res** 1987 Jan;51(1):27–31

Microbiology of the interdigital web. Terleckyj B, et al. **Clin Dermatol** 1983 Jul-Sep;1(1):6–13

Preoperative use of povidone-iodine. A prospective, randomized study. Zdeblick TA, et al. **Clin Orthop** 1986 Dec;(213):211–5

Factors affecting staphylococcal colonization among NIDDM outpatients. Lipsky BA, et al. **Diabetes Care** 1987 Jul-Aug;10(4):483–6

Comparative evaluation of the immediate and sustained antibacterial action of two regimens, based on triclosan- and chlorhexidine-containing handwash preparations, on volunteers. Bartzokas CA, et al. **Epidemiol Infect** 1987 Jun; 98(3):337–44

An epidemiologic study of the fungal skin flora among the elderly in Alexandria. Gad ZM, et al. **Epidemiol Infect** 1987 Aug;99(1):213–9

Skin smear examination in relation to multidrug therapy campaigns. Bhatia VN. **Indian J Lepr** 1987 Jan-Mar; 59(1):75–9

Bacterial index: Ridley's vs. Dharmendra's scale. Bhatia VN. **Indian J Lepr** 1987 Jan-Mar;59(1):80–3

Impact of topical metronidazole on the skin and colon microflora in patients with rosacea. Eriksson G, et al. **Infection** 1987 Jan-Feb;15(1):8–10

Selection of sites for slit skin smears in untreated and treated leprosy patients. Kumar B, et al. **Int J Lepr Other Mycobact Dis** 1986 Dec;54(4):540–4

Orientation staining for the demonstration of Mycobacterium leprae in semithin sections. Luderschmidt C. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):83–7

Staphylococcal colonization, infection, and atopic dermatitis--association not etiology. Hanifin JM, et al. **J Allergy Clin Immunol** 1986 Oct;78(4 Pt 1):563–6

The cutaneous microbiology of normal human feet. Marshall J, et al. **J Appl Bacteriol** 1987 Feb;62(2):139–46

Pig skin as test substrate for evaluating topical antimicrobial activity. Bush LW, et al. **J Clin Microbiol** 1986 Sep; 24(3):343–8

Diaper area skin microflora of normal children and children with atopic dermatitis. Keswick BH, et al. **J Clin Microbiol** 1987 Feb;25(2):216–21

Newly recognized Leptospira species ("Leptospira inadai" serovar lyme) isolated from human skin. Schmid GP, et al. **J Clin Microbiol** 1986 Sep;24(3):484–6

Microbiological tests on operating-theatre staff of a new disinfectant foam based on 1% chlorhexidine gluconate. Beeuwkes H, et al. **J Hosp Infect** 1986 Sep;8(2):200–2

A study of the skin flora of spinal cord injured patients. Fawcett C, et al. **J Hosp Infect** 1986 Sep;8(2):149–58

The use of alcoholic paper wipes for routine hand cleansing: results of trials in two hospitals. Jones MV, et al. **J Hosp Infect** 1986 Nov;8(3):268–74

The dispersal of bacteria and skin scales from the body after showering and after application of a skin lotion. Hall GS, et al. **J Hyg (Lond)** 1986 Oct;97(2):289–98

Colonization of skin and development of peritonitis due to coagulase-negative staphylococci in patients undergoing peritoneal dialysis. Eisenberg ES, et al. **J Infect Dis** 1987 Sep;156(3):478–82

Comparison of in vivo antibacterial activity of hydro-alcoholic solutions of hexamidine and of chlorhexidine. Michel G, et al. **J Int Med Res** 1986; 14(4):205–9

Skin microflora. Leyden JJ, et al. **J Invest Dermatol** 1987 Mar;88(3 Suppl):65s–72s

Malassezia furfur skin colonization of infants hospitalized in intensive care units. Powell DA, et al. **J Pediatr** 1987 Aug; 111(2):217–20

Skin shaving: a cause for concern. Fairclough J, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):76–8

Laboratory production in vivo of infectious human papillomavirus type 11. Kreider JW, et al. **J Virol** 1987 Feb;61(2):590–3

Differential staining of fungi in clinical specimens using fluorescent whitening agent (Blankophor). Gip L, et al. **Mykosen** 1987 Jan;30(1):21–4

Experimental cryptococcosis: dissemination of Cryptococcus neoformans and dermotropism in guinea-pigs. Van Cutsem J, et al. **Mykosen** 1986 Dec;29(12):561–75

A rapid silver staining method for identification of Mycobacterium leprae in histologic sections. Senba M, et al. **Tohoku J Exp Med** 1986 Nov;150(3):363–4

Transfer of murine cytomegalovirus by syngeneic skin grafts. Shelby J, et al. **Transplantation** 1987 Aug;44(2):318–20

Diagnosis of Lyme disease by demonstration of spirochetes in tissue biopsies. de Koning J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec; 263(1–2):179–88

Antibacterial efficacy of Fabry's tinctura on the resident flora of the skin at the forehead. Study of bacterial population dynamics in stratum corneum and infundibulum after single and repeated applications. Hartmann AA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Oct; 182(5–6):499–514

[Flora of the skin] Elbaze P, et al. **Ann Dermatol Venereol** 1987;114(4):613–8 **(Fre)**

[Bacterial interference with skin colonization in germfree hairless mice] Barc MC, et al. **Can J Microbiol** 1986 Sep; 32(9):751–5 (Eng. Abstr.) **(Fre)**

[Hand, skin and mucous membrane disinfection in medical and dental practice] Gundermann KO. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1986 Dec; 183(2–3):196–203 (Eng. Abstr.) **(Ger)**

[A species profile of skin Staphylococci and the distribution of drug-resistant strains among five antibacterial agents in staphylococcal species] Someya T, et al. **Nippon Eiseigaku Zasshi** 1986 Oct;41(4):746–51 (Eng. Abstr.) **(Jpn)**

[Histological localization of human papillomaviruses and DNA in the tissues of myrmecia] Honda M, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):105–8 **(Jpn)**

[Antibiotic sensitivity of Staphylococci representative of the normal skin flora of the breasts of healthy women] Sytnik SI. **Antibiot Med Biotekhnol** 1987 Jun;32(6):460–3 (Eng. Abstr.) **(Rus)**

[Pathomorphogenesis of skin lesions in experimental candidiasis] Bykov VL. **Vestn Dermatol Venerol** 1986; (12):23–5 (Eng. Abstr.) **(Rus)**

[Effect of antimicrobial linens on the automicroflora of sailors during a cruise] Zholus BI, et al. **Voen Med Zh** 1986 Oct;

(10):41-2 (Rus)
[Autoflora of the skin of phosphorus production workers] Ergeshbaev KE, et al. **Vrach Delo** 1987 Jun;(6):103-5 (Eng. Abstr.) (Rus)
[Skin microflora and immunological indices of elderly tuberculosis patients] Sargsian VP, et al. **Vrach Delo** 1987 Jul;(7):45-7 (Eng. Abstr.) (Rus)
[Micrococci in the skin microbiocenosis of the breasts of healthy women] Sytnik SI. **Vrach Delo** 1986 Oct;(10):19-21 (Eng. Abstr.) (Rus)
[Staphylococci in skin microbiocenosis of the breasts in healthy women] Sytnik SI.
Zh Mikrobiol Epidemiol Immunobiol 1986 Aug;(8):28-32 (Eng. Abstr.) (Rus)

PARASITOLOGY

Effects of the sheep-chewing louse (Damalinia ovis) on the epidermis of the Australian merino. Britt AG, et al.
Aust J Biol Sci 1986;39(2):137-43
Schistosoma mansoni: migration potential of normal and radiation attenuated parasites in naive guinea pigs. Kamiya H, et al. **Exp Parasitol** 1987 Feb;63(1):98-107
The chemical stimuli of human skin surface for the attachment response of Schistosoma mansoni cercariae. Granzer M, et al. **Int J Parasitol** 1986 Dec;16(6):575-9
Leishmaniasis: the touch preparation as a rapid means of diagnosis. Berger RS, et al. **J Am Acad Dermatol** 1987 May; 16(5 Pt 2):1096-105
A clinicoparasitological study of scabies. Baweja UK, et al. **J Commun Dis** 1986 Jun;18(2):132-5
Host-parasite relationship in superficial mycoses. Ogawa H, et al. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:14-6
Seasonal changes in density and tissue distribution of Onchocerca cervicalis microfilariae in ponies and related changes in Culicoides variipennis populations in Louisiana. Foil LD, et al. **J Parasitol** 1987 Apr;73(2):320-6
Detection of skin nodules in onchocerciasis by ultrasound scans [letter] Poltera AA, et al. **Lancet** 1987 Feb 28; 1(8531):505
The penetration of mammalian skin by cercariae of Trichobilharzia sp. (Trematoda: Schistosomatidae) from South Africa. Appleton CC, et al.
Onderstepoort J Vet Res 1986 Dec;53(4):209-11
Rate of Leishmania-induced skin-lesion development in rodents depends on the site of inoculation. Kirkpatrick CE, et al. **Parasitology** 1987 Jun;94 (Pt 3):451-65
The use of diethylcarbamazine cream in the diagnosis of onchocerciasis. Newland HS, et al. **Trop Med Parasitol** 1987 Jun;38(2):143-4
Sensitivity of skin snips in the diagnosis of onchocerciasis. Taylor HR, et al. **Trop Med Parasitol** 1987 Jun;38(2):145-7
[Micromorphology of Trichophyton verrucosum]
Wawrzkiewicz K, et al. **Pol Arch Weter** 1986;25(4):67-74 (Eng. Abstr.) (Pol)
[Schistosoma mansoni: experimental infection in mice through the ear and quantification of the parasitism in the skin] Gerken SE, et al. **Rev Inst Med Trop Sao Paulo** 1986 Nov-Dec;28(6):381-8 (Eng. Abstr.) (Por)
[Attempt at cryogenic preservation of the amastigote stage of Leishmania major in the ear skin of experimentally infected golden hamsters (Mesocricetus auratus)] Passova OM, et al. **Med Parazitol (Mosk)** 1986 Jul-Aug;(4):45-6 (Eng. Abstr.) (Rus)

PATHOLOGY

Cell populations in pagetoid reticulosis: an immunological study using cell activation associated monoclonal antibodies. Kaudewitz P, et al.
Acta Derm Venereol (Stockh) 1987;67(1):24-9
Biochemical characterization and tissue distribution of the scleredema in a case of Buschke's disease. Roupe G, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):193-8
The heterogeneity of tumours associated with epidermodysplasia verruciformis. Sandbank M, et al.
Acta Derm Venereol (Stockh) 1987;67(1):79-82
Immunocompetent cells of fixed drug eruption. Visa K, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):30-5
The perivascular cell populations in human skin after topical application of leukotriene B4. Winkelmann RK, et al.
Acta Derm Venereol (Stockh) 1986;66(4):340-3
Histological and histochemical skin changes in insulin-dependent diabetic patients with and without limited joint mobility. Vera M, et al. **Acta Diabetol Lat** 1987 Apr-Jun;24(2):101-8
Infectivity to cattle of metacyclic forms of Trypanosoma (Nannomonas) congolense propagated in vitro. I. Development of localized skin reactions following intradermal inoculation. Akol GW, et al.
Acta Trop (Basel) 1986 Sep;43(3):207-14
Altered expression of oncogenes in mouse epidermis following exposure to benzo(a)pyrene diol epoxides. Pelling JC, et al. **Adv Exp Med Biol** 1986;197:981-92
Epidermal Langerhans cells in patients with primary Sjögren's syndrome. Oxholm P, et al. **Allergy** 1986 Aug; 41(6):429-34
Candida albicans septicemia with folliculitis in heroin addicts. Darcis JM, et al. **Am J Dermatopathol** 1986 Dec;8(6):501-4
"Shadow" cells as clues to follicular differentiationJacobson M, et al. **Am J Dermatopathol** 1987 Feb;9(1):51-7
Familial atrophie blanche-like lesions with subcutaneous fibrinoid vasculitis. The Georgian ulcers. Suster S, et al.
Am J Dermatopathol 1986 Oct;8(5):386-91
Dermal surface morphology in wound healing. An experimental scanning electron microscope study. Torre C, et al. **Am J Forensic Med Pathol** 1986 Dec;7(4):337-43
Panniculitis in familial Mediterranean fever. Case report with histopathologic findings. Danar DA, et al. **Am J Med** 1987 Apr;82(4):829-32
Defective release of tissue plasminogen activator in systemic and cutaneous vasculitis. Jordan JM, et al. **Am J Med** 1987 Mar;82(3):397-400
Synovial metaplasia of the skin. Gonzalez JG, et al.
Am J Surg Pathol 1987 May;11(5):343-50
Cutaneous gerontology: solar degeneration of the skin. Giam YC. **Ann Acad Med Singapore** 1987 Jan;16(1):94-7
Axilla skin biopsy: a reliable test for the diagnosis of Lafora's disease. Busard HL, et al. **Ann Neurol** 1987 Jun; 21(6):599-601
Muscarinic receptor density in skin fibroblasts and autopsied brain tissue in affective disorder. Gillin JC, et al.
Ann NY Acad Sci 1986;487:143-9
Metastatic malignant mixed tumor of the skin. Ultrastructural and immunocytochemical characterization, histogenetic considerations and comparison with benign mixed tumors of skin and salivary glands. Pinto de Moraes H, et al.
Appl Pathol 1986;4(3):199-208
Cellular neurothekeoma. Rosati LA, et al. **Appl Pathol** 1986; 4(3):186-91
Leukemia cutis in acute myelomonocytic leukemia. Preferential localization in a recent Hickman catheter scar. Baden TJ, et al. **Arch Dermatol** 1987 Jan;123(1):88-90
The natural history of dysplastic nevi. A case history illustrating their evolution. Barnes LM, et al.
Arch Dermatol 1987 Aug;123(8):1059-61
Pruritic, pink, papular eruption. Generalized granuloma annulare (GA). Birnbaum PS, et al. **Arch Dermatol** 1987 Aug;123(8):1071-2, 1074-5
Systemic plasmacytosis and the Crow-Fukase syndrome. Burton JL. **Arch Dermatol** 1987 Apr;123(4):425-6
Prognostic significance of hypopigmentation in malignant melanoma. Bystryn JC, et al. **Arch Dermatol** 1987 Aug; 123(8):1053-5
Normolipemic eruptive cutaneous xanthomatosis. Caputo R, et al. **Arch Dermatol** 1986 Nov;122(11):1294-7
Hyperpigmentation following the use of bleaching creams. Localized exogenous ochronosis. Connor T, et al.
Arch Dermatol 1987 Jan;123(1):105-6, 108
An annular erythema of infancy. Cox NH, et al.
Arch Dermatol 1987 Apr;123(4):510-3
Hemorrhagic bullae in an anemic women. Paroxysmal nocturnal hemoglobinuria (PNH). Draelos ZK, et al.
Arch Dermatol 1986 Nov;122(11):1326-7, 1329-30
Dysplastic nevus in histologic contiguity with acquired nonfamilial melanoma. Clinicopathologic experience in a 100-bed hospital. Duray PH, et al. **Arch Dermatol** 1987 Jan;123(1):80-4
Intercellular IgA dermatosis with clinical features of subcorneal pustular dermatosis. Hashimoto T, et al.
Arch Dermatol 1987 Aug;123(8):1062-5
Erythema ab igne [letter] Hurwitz RM, et al.
Arch Dermatol 1987 Jan;123(1):21-3
Diagnosis of mastocytosis subsets using a morphometric point counting technique. Kasper CS, et al. **Arch Dermatol** 1987 Aug;123(8):1017-21
Diffuse lipomatosis and tuberous sclerosis. Klein JA, et al.
Arch Dermatol 1986 Nov;122(11):1298-302
Chronic dermatosis in a young man. Darier's disease. Koh HK, et al. **Arch Dermatol** 1987 Aug;123(8):1072-3, 1075
Vesicles on the dorsa of the fingers. Porphyria cutanea tarda (PCT). Lefer LG, et al. **Arch Dermatol** 1987 Jan;123(1):107, 110
Mycosis fungoides associated with dystrophic xanthomatosis. McCadden ME, et al. **Arch Dermatol** 1987 Jan;123(1):91-4
Atypical fibroxanthoma in a patient with xeroderma pigmentosum. Patterson JW, et al. **Arch Dermatol** 1987 Aug;123(8):1066-70
The skin changes in the Crow-Fukase (POEMS) syndrome. A case report. Shelley WB, et al. **Arch Dermatol** 1987 Jan; 123(1):85-7
Postgranulomatous anetoderma associated with Takayasu's arteritis in a child. Taïeb A, et al. **Arch Dermatol** 1987 Jun; 123(6):796-800
Recurrent coumarin-induced skin necrosis in a patient with an acquired functional protein C deficiency. Teepe RG, et al. **Arch Dermatol** 1986 Dec;122(12):1408-12
Fever and hypotrichosis in a newborn. Anhidrotic ectodermal dysplasia (AED). Wasserteil V, et al.
Arch Dermatol 1986 Nov;122(11):1325-6, 1328-9
Well-demarcated papules and plaques in sun-exposed areas. Multiple large-cell acanthomas. Weinstock MA, et al.
Arch Dermatol 1987 Aug;123(8):1073, 1075-6
Solitary nodule on the foot of a 37-year-old man. Atypical fibroxanthoma (AFX). Wesson SK. **Arch Dermatol** 1986 Nov;122(11):1326, 1329
Forehead plaque: a presenting skin sign in tuberous sclerosis. Fryer AE, et al. **Arch Dis Child** 1987 Mar;62(3):292-3
Ecthyma gangrenosum without bacteremia or necrotic cellulitis: a localized form of septic vasculitis [letter] Hurwitz RM. **Arch Intern Med** 1987 Aug;147(8):1513
Pathologic quiz case 2. Plaque stage of mycosis fungoides. Derkay C, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):332-3, 335-6
Cutaneous protothecosis. A clinicopathologic study. Kuo TT, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):737-40
Pilomatrixoma. Cytologic features with differential diagnostic considerations. Solanki P, et al.
Arch Pathol Lab Med 1987 Mar;111(3):294-7
The microscopic evaluation of skin buttons used in a long-term human total artificial heart recipient. Murray KD, et al. **ASAIO Trans** 1986 Jul-Sep;32(1):42-5
Electron microscopic findings in ichthyosis secondary to sarcoidosis. Heng MC, et al. **Australas J Dermatol** 1986 Dec;27(3):127-30
Fibronectin (FN) localizations in early wound healing of cultured frog skins. Zhu QL, et al. **Biol Cell** 1986; 57(2):161-7
Wallace's Line in serum sickness and Kawasaki disease [letter] Bernhard JD, et al. **Br J Dermatol** 1986 Nov; 115(5):640
Wallace's line [letter] Copeman PW. **Br J Dermatol** 1987 Apr;116(4):607
Methotrexate-induced epidermal necrosis. Harrison PV.
Br J Dermatol 1987 Jun;116(6):867-9
Skin mast cells in polycythaemia vera: relationship to the pathogenesis and treatment of pruritus. Jackson N, et al.
Br J Dermatol 1987 Jan;116(1):21-9
Cholinergic dermographism. Mayou SC, et al.
Br J Dermatol 1986 Sep;115(3):371-7
Anhidrotic and achromians lesions in incontinentia pigmenti. Moss C, et al. **Br J Dermatol** 1987 Jun;116(6):839-49
Poikiloderma vasculare atrophicans granulomatosa [letter] van de Kerkhof PC, et al. **Br J Dermatol** 1986 Sep; 115(3):383-5
The effect of washing on the thickness of the stratum corneum in normal and atopic individuals. White MI, et al. **Br J Dermatol** 1987 Apr;116(4):525-30
Lichen planus and lichen-planus-like reactions.
Graham-Brown R. **Br J Hosp Med** 1986 Oct;36(4):281-4
Skin-fold thickness and nail-fold capillaries in diabetics: relationship to limited joint mobility and retinopathy [letter] Pal B, et al. **Br J Rheumatol** 1987 Apr;26(2):153-5
Terminal differentiation-resistant epidermal cells in mice undergoing two-stage carcinogenesis [published erratum appears in Cancer Res 1987 Sep 1;47(17):4752] Miller DR, et al. **Cancer Res** 1987 Apr 1;47(7):1935-40
Carcinogenic doses of methylnitrosourea induce dose response related delay in transit through S and G2 phases in mouse epidermis: a cell kinetic study. Kirkhus B, et al.
Carcinogenesis 1987 Mar;8(3):369-75
Early inflammatory changes in the skin of SENCAR and C57BL/6 mice following exposure to 12-O-tetradecanoylphorbol-13-acetate. Lewis JG, et al.
Carcinogenesis 1987 Jul;8(7):889-98
Benzoyl peroxide promotes the formation of melanotic tumors in the skin of 7,12-dimethylbenz[a]anthracene-initiated Syrian golden hamsters. Schweizer J, et al. **Carcinogenesis** 1987 Mar; 8(3):479-82
Pathology of pemphigoid. Flotte TJ. **Clin Dermatol** 1987 Jan-Mar;5(1):71-80 (68 ref.)
Cutaneous involvement in localized forms of bullous pemphigoid. Kaplan RP. **Clin Dermatol** 1987 Jan-Mar; 5(1):43-51 (46 ref.)
Histopathology of human expanded tissue. Pasyk KA, et al.
Clin Plast Surg 1987 Jul;14(3):435-45 (36 ref.)
Localized cicatricial pemphigoid (Brunsting-Perry syndrome). Gibson V, et al. **Cutis** 1986 Oct;38(4):252-3
Unilateral atrophoderma of Pasini and Pierini. Iriondo M, et al. **Cutis** 1987 Jan;39(1):69-70
Linear lichen nitidus. Petrozzi JW, et al. **Cutis** 1970 Oct; 6(10):1109-12
Frostbite desquamation of the soles as the presenting sign of leukemia. Shelley WB, et al. **Cutis** 1986 Oct;38(4):259-60
The use of the computer in the dermatopathology laboratory. Friedman RJ, et al. **Dermatol Clin** 1986 Oct;4(4):651-6
Mycosis fungoides and Sézary's syndrome show distinct histomorphological features. Imai S, et al. **Dermatologica** 1986;173(3):131-5
Profile of cutaneous toxoplasmosis. Binazzi M.
Int J Dermatol 1986 Jul-Aug;25(6):357-63 (30 ref.)
What does "dry skin" mean?Piérard GE. **Int J Dermatol** 1987 Apr;26(3):167-8
Bilateral Koebner phenomenon in lichen sclerosus et atrophicus. Ronnen M, et al. **Int J Dermatol** 1987 Mar; 26(2):117-8
Hyperthermia, cell proliferation and cancer [letter] Coltart S, et al. **Int J Hyperthermia** 1986 Oct-Dec;2(4):389-90
Histopathological examination of skin biopsies from an epidemiological study of leprosy in northern Malawi. McDougall AC, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):88-98
Keratotic (Norwegian) scabies. Ramsay B, et al.
Ir J Med Sci 1987 Jan;156(1):13-5
Cellular inflammatory responses in human allergic skin reactions. Fleekop PD, et al. **J Allergy Clin Immunol** 1987 Aug;80(2):140-6
Lupus erythematosus and toxic epidermal necrolysis [letter] Bielsa I, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1265-7
Electron microscopic and immunolabeling studies of the lesional and normal skin of patients with mycosis fungoides treated by total body electron beam irradiation. Braverman IM, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):61-74
Use of curettage and shave excision in office practice. Microscopic confirmation of removal. Cott RE, et al.
J Am Acad Dermatol 1987 Jun;16(6):1243-51

Familial anetoderma. Friedman SJ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):341–5

Extensive congenital erosions and vesicles healing with reticulate scarring. Gupta AK, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):369–76

Postpolycythemic myeloid metaplasia, Sweet's syndrome, and acute myeloid leukemia. Horan MP, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):458–62

Benign lymphoplasia of the earlobes induced by gold earrings: immunohistologic study on the cellular infiltrates. Iwatsuki K, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):83–8

Deep recurrent basal cell epithelioma [letter] Leonforte JF. **J Am Acad Dermatol** 1987 Jun;16(6):1257–9

Metastatic squamous cell carcinoma in linear porokeratosis of Mibelli. Lozinski AZ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):448–51

Peculiar papular skin lesions occurring in hepatitis B carriers. Martínez MI, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):31–4

Platelike cutaneous osteoma. Monroe AB, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):481–4

Paraproteinemia in patients with scleredema. Clinical findings and serum effects on skin fibroblasts in vitro. Ohta A, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):96–107

Purpuric papules and vesicles of the palms in dermatitis herpetiformis [letter] Pierce DK, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1274–6

The skin in Ehlers–Danlos syndrome [letter] Pinnell SR. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):399–400

Interface dermatitis in patients with the acquired immunodeficiency syndrome. Rico MJ, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1209–18

Epidermotropic primary neuroendocrine (Merkel cell) carcinoma of the skin with Pautrier–like microabscesses. Report of three cases and review of the literature. Rocamora A, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1163–8

Melanosome macrocomplex: an ultrastructural component of patterned and nonpatterned seborrheic keratoses. Shelley WB, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):124–8

Fibrofolliculomas, trichodiscomas, and acrochordons: the Birt–Hogg–Dubé syndrome. Ubogy–Rainey Z, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):452–7

Mechanical characterisation of human postburn hypertrophic skin during pressure therapy. Clark JA, et al. **J Biomech** 1987;20(4):397–406

Basement membrane formation by malignant mouse keratinocyte cell lines in organotypic culture and transplants: correlation with degree of morphologic differentiation. Hornung J, et al. **J Cancer Res Clin Oncol** 1987;113(4):325–41

Cytologic transformation in cutaneous T cell lymphoma: a clinicopathologic entity associated with poor prognosis. Dmitrovsky E, et al. **J Clin Oncol** 1987 Feb;5(2):208–15

HSV–2 replication sites, monocyte and lymphocytic cell infection and virion phagocytosis by neutrophils, in vesicular lesions on penile skin. Electronoptical studies of a biopsy. Boddingius J, et al. **J Cutan Pathol** 1987 Jun;14(3):165–75

Spores in a skin biopsy: a surprising finding [letter] Holten I, et al. **J Cutan Pathol** 1986 Aug;13(4):319–21

Punch biopsy diagnostic technique [letter] Crollick JS, et al. **J Dermatol Surg Oncol** 1987 Aug;13(8):839

Transepithelial elimination of benign and malignant tumors. Goette DK. **J Dermatol Surg Oncol** 1987 Jan;13(1):68–73

Surgical treatment of livedo vasculitis. Teman J, et al. **J Dermatol Surg Oncol** 1987 Aug;13(8):893–7

Flow cytometric investigations of corneocytes from psoriatic scales and the effects of Ingram therapy. Bauer FW, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):175–8

Reticular erythematous mucinosis syndrome: a case report. Funai T, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):213–6

Comparison of the nuclear contour index (NCI) and T cell subsets of erythematosus, plaque and tumor lesions in patients with mycosis fungoides (MF). Hantanyapong Y, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):43–7

Induction of chronic skin changes in intraperitoneally hematoporphyrin–injected mice with metal halide lamp irradiation. Honda T, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):426–32

The proteoglycans in hypertrophic scar. Honda T, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):326–33

Papulonecrotic tuberculid—report of a case. Ihm CW, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):63–6

Satellite cell necrosis in two cases with dermatomyositis. Katayama I, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):208–12

Maintenance of epidermal structures of psoriatic skin in organ culture. Kondo S. **J Dermatol (Tokyo)** 1986 Aug;13(4):242–9

A case of poroma folliculare on the forearm. Muramatsu T, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):483–5

Five cases of porphyria cutanea tarda with mild cutaneous changes: evaluation of the efficacy of phlebotomy by the pattern analysis of urinary porphyrins. Nonaka S, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):196–202

Prognostic significance of initial skin lesions in epidermotropic cutaneous lymphoma. Yamamura T, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):120–5

Expression of HLA–DR molecules by keratinocytes, and presence of Langerhans cells in the dermal infiltrate of active psoriatic plaques. Gottlieb AB, et al. **J Exp Med** 1986 Oct 1;164(4):1013–28

Distribution and turnover of Langerhans cells during delayed immune responses in human skin. Kaplan G, et al. **J Exp Med** 1987 Mar 1;165(3):763–76

The value of needle aspiration in the management of cellulitis. Epperly TD. **J Fam Pract** 1986 Oct;23(4):337–40

Skin necrosis complicating mallet finger splinting and vascularity of the distal interphalangeal joint overlying skin. Rayan GM, et al. **J Hand Surg [Am]** 1987 Jul;12(4):548–52

Digital volar amelanotic malignant melanoma in a child. Chapman P, et al. **J Hand Surg [Br]** 1987 Feb;12(1):117–9

Cutaneous mast cell depletion and recovery in murine graft–vs–host disease. Choi KL, et al. **J Immunol** 1987 Jun 15;138(12):4093–101

Mouse skin damage caused by cytolysin from Vibrio vulnificus and by V. vulnificus infection. Gray LD, et al. **J Infect Dis** 1987 Feb;155(2):236–41

Contraction of collagen lattices by skin fibroblasts from dystrophic recessive epidermolysis bullosa and other dermatoses. Adams LW, et al. **J Invest Dermatol** 1986 Oct;87(4):544–6

Electron microscopic features in generalized pustular psoriasis. Heng MC, et al. **J Invest Dermatol** 1987 Aug;89(2):187–91

A computed image analyzing system for quantitation of melanocyte morphology in café–au–lait macules of neurofibromatosis. Ishida O, et al. **J Invest Dermatol** 1987 Mar;88(3):287–91

Immediate dermal changes in pig skin after exposure to moderate amounts of heat and electrical energy. Karlsmark T, et al. **J Invest Dermatol** 1986 Oct;87(4):528–32

Aged skin: a study by light, transmission electron, and scanning electron microscopy. Lavker RM, et al. **J Invest Dermatol** 1987 Mar;88(3 Suppl):44s–51s (56 ref.)

Experimental American leishmaniasis in the Brazilian squirrel monkey (Saimiri sciureus): lesions, hematology, cellular, and humoral immune responses. Pung OJ, et al. **J Med Primatol** 1987;16(3):165–74

Biocompatibility of a resilient resin—a histological study in rats. de Carvalho AC, et al. **J Nihon Univ Sch Dent** 1987 Mar;29(1):42–7

Congenital smooth muscle hamartoma. Prendiville J, et al. **J Pediatr** 1987 May;110(5):742–4

Cutaneous sclerosis localized to one limb after immobilization in a patient with CREST syndrome [letter] Varga J, et al. **J Rheumatol** 1987 Jun;14(3):637–8

Aggressive squamous cell carcinoma of the skin after chronic lymphocytic leukemia. Bridges N, et al. **J Surg Oncol** 1986 Sep;33(1):27–30

Hypertrophic skin grafts in burned patients: a prospective analysis of variables. McDonald WS, et al. **J Trauma** 1987 Feb;27(2):147–50

Coumadin–induced skin necrosis versus venous gangrene of the extremities [editorial] Haimovici H, et al. **J Vasc Surg** 1987 Apr;5(4):655–6

Histopathology of skin lesions in leprosy. Jayalakshmi. **Malays J Pathol** 1980 Aug;3:39–45

Transfection of the EJ rasHa gene into keratinocytes derived from carcinogen–induced mouse papillomas causes malignant progression. Harper JR, et al. **Mol Cell Biol** 1986 Sep;6(9):3144–9

Phorbol ester and Epstein–Barr virus dependent transformation of normal primary human skin epithelial cells. Tomei LD, et al. **Nature** 1987 Sep 3–9;329(6134):73–5

Membranous nephropathy accompanied by angiolymphoid hyperplasia of the skin. Sonkodi S, et al. **Nephron** 1987;47(1):32–5

Biologic evaluation of SPAD. I. A comparison between the tissue reactions to SPAD, Gelfoam, and silver amalgam. Negm MM, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):478–86

Dermal monocytic sarcoma/monoblastic tumour: report of two cases of acute monocytic leukemia with initial dermal manifestations only. Miliauskas JR. **Pathology** 1986 Apr;18(2):249–53

Acute miliary tuberculosis in a child with anhidrotic ectodermal dysplasia. Frix CD 3d, et al. **Pediatr Dermatol** 1986 Dec;3(6):464–7

Microdissection study of the incidence of branched eccrine sweat glands and the number of eccrine glands per unit area of infants' and childrens' skin. Wells TR, et al. **Pediatr Pathol** 1986;6(2–3):301–7

Cutaneous necrosis following a spider bite: a case report and review. Alario A, et al. **Pediatrics** 1987 Apr;79(4):618–21 (15 ref.)

Local subcutaneous atrophy after corticosteroid injection. Jacobs MB. **Postgrad Med** 1986 Sep 15;80(4):159–60

Skin necrosis following Haemaccel. Allen MB. **Postgrad Med J** 1986 Sep;62(731):889–91

Previously unreported abnormalities of dermal basement membranes and collagen fibrils in a patient with X–linked spondyloepiphyseal dysplasia tarda. Borsey DQ, et al. **Postgrad Med J** 1986 Oct;62(732):943–6

Progressive dysplasia and aneuploidy are hallmarks of mouse skin papillomas: relevance to malignancy. Aldaz CM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2029–32

A major factor contributing to epidermal proliferation in inflammatory skin diseases appears to be interleukin 1 or a related protein. Ristow HJ. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1940–4

Morphological changes in the skin of Rana pipiens in response to metabolic acidosis. Page RD, et al. **Proc Soc Exp Biol Med** 1987 Apr;184(4):416–22

Pathology of concanavalin A–induced cutaneous reaction in the chicken. Sinha BK, et al. **Res Vet Sci** 1987 May;42(3):365–72

The comparative pathology of open chest vs. mechanical closed chest cardiopulmonary resuscitation in dogs. Badylak SF, et al. **Resuscitation** 1986 Jul;13(4):249–64

Skin necrosis following fluorescein extravasation. A survey of the Macula Society. Elman MJ, et al. **Retina** 1987 Summer;7(2):89–93

Langerhans cells in connective tissue diseases. Goobar JP, et al. **Scand J Rheumatol** 1987;16(4):273–9

A staining method for easy detection of eosinophilic globules in Kaposi's sarcoma. Senba M, et al. **Tohoku J Exp Med** 1987 Jun;152(2):209–10

Three stage carcinogenesis in mouse skin—recent results and present status of an advanced model system of chemical carcinogenesis. Hecker E. **Toxicol Pathol** 1987;15(2):245–58 (86 ref.)

Histologic changes in nude mouse skin and human skin xenografts following exposure to sulfhydryl reagents: arsenicals. McGown EL, et al. **Toxicol Pathol** 1987;15(2):149–56

Topical administration of tetrasodium–meso–tetraphenyl–porphinesulfonate (TPPS): correlation between drug penetration and depth of necrosis in skin of nude mice following red light irradiation. Marchesini R, et al. **Tumori** 1987 Feb 28;73(1):11–7

Malignant evolution of penile horn. Fields T, et al. **Urology** 1987 Jul;30(1):65–6

Seborrheic keratoses of penis. Friedman SJ, et al. **Urology** 1987 Feb;29(2):204–6

Cutaneous horn of penis. Walther MM, et al. **Urology** 1987 Aug;30(2):156–8

The cutaneous histology of dermatomyositis in collie dogs. Gross TL, et al. **Vet Pathol** 1987 Jan;24(1):11–5

Immunohistochemical study of epidermal Langerhans cells and dermal dendritic cells in benign and malignant skin lesions characterized by a dermal lymphoid infiltrate consisting either of B–cells or T–cells. Drijkoningen M, et al. **Virchows Arch [A]** 1987;411(4):337–43

The spectrum of organ and systems pathology in human Lyme disease. Duray PH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1986 Dec;263(1–2):169–78

Skin collagen conformation in canine spondylarthrosis. Silva N, et al. **Zentralbl Veterinarmed [A]** 1987 Jun;34(6):439–44

[Prognostic value of the lupus band test in light–protected normal skin of patients with systemic lupus erythematosus] Liu T, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):9–12 (Eng. Abstr.) (Chi)

[Pathological observations on skin lesions in 2 cases of Kawasaki syndrome] He ZF. **Chung–hua Ping Li Hsueh Tsa Chih** 1986 Sep;15(3):228–9 (Chi)

[Relationship between the pathology of skin lesions and immunological parameters or clinical activity in SLE] Yu MX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1986 Oct;8(5):347–52 (Eng. Abstr.) (Chi)

[Dermal coumarin necrosis due to Pelentan] Trefanec J, et al. **Rozhl Chir** 1987 May;66(5):369–72 (Eng. Abstr.) (Cze)

[Biological, chemical and pathohistologic study of the skin in papular dermatitis in fattened pigs] Raszyk J. **Vet Med (Praha)** 1986 Oct;31(10):609–20 (Eng. Abstr.) (Cze)

[Necrotic course of erythema nodosum leprosum] Husser JA, et al. **Acta Leprol (Geneve)** 1986 Apr–Jun;(101):239–50 (Eng. Abstr.) (Fre)

[41 local complications of chemotherapy] Abbes M, et al. **Ann Chir Plast Esthet** 1986;31(2):149–56 (Eng. Abstr.) (Fre)

[Paris Dermatology Seminar, 12–15 March 1986. Papers] **Ann Dermatol Venereol** 1986;113(10):915–1034 (Fre)

[Thompson's type congenital poikiloderma. Presentation of a minor form] Basset N, et al. **Ann Dermatol Venereol** 1986;113(4):345–8 (Fre)

[Recurrence of a mycetoma due to Actinomadura madurae with visceral and lymph node involvement] Develoux M, et al. **Ann Dermatol Venereol** 1986;113(5):455–7 (Fre)

[The clinical kinetics of psoriasis lesions] Grosshans E, et al. **Ann Dermatol Venereol** 1986;113(8):707–9 (Fre)

[Lutz–Miescher elastosis perforans serpiginosa] Moreno–Gimenez JC, et al. **Ann Dermatol Venereol** 1986;113(4):339–42 (Fre)

[Glucagonoma syndrome. Unusual histologic image] Poiares Baptista A, et al. **Ann Dermatol Venereol** 1987;114(1):55–8 (Fre)

[A case for diagnosis: Degos' malignant atrophic papulosis] Prigent F. **Ann Dermatol Venereol** 1987;114(4):589–91 (Fre)

[Association of a pediatric bullous eruption, cutaneous and muscular atrophy, hyperpigmentation and dysmorphism. A new entity?] Sciolla JP, et al. **Ann Dermatol Venereol** 1986;113(4):317–27 (Eng. Abstr.) (Fre)

[Macular anetoderma] Venencie PY. **Ann Dermatol Venereol** 1986;113(5):477–8 (Fre)

[Acrosclerosis, Gougerot–Sjögren syndrome, myxedema and

anti-centromere antibodies. 3 cases of this association] Balafrej M, et al. **Ann Med Interne (Paris)** 1987; 138(3):185–8 (Eng. Abstr.) (Fre)

[Deep skin lesions of lupus erythematosus] Morel P, et al. **Ann Med Interne (Paris)** 1986;137(4):320–3 (Eng. Abstr.) (Fre)

[Anatomo-pathologic study of skin and ocular lesions in rodents infested by Monanema spp.: significance for the study of human onchocerciasis] Vuong-Ngoc P, et al. **Ann Parasitol Hum Comp** 1986;61(3):311–20 (Eng. Abstr.) (Fre)

[Immunolabeling methods in cutaneous histopathology. Principles and practical applications] Kanitakis J, et al. **Ann Pathol** 1987;7(2):79–97 (200 ref.) (Eng. Abstr.) (Fre)

[Cutaneous hematopoiesis and myelofibrosis] Pierard GE. **Ann Pathol** 1987;7(1):73–5 (Eng. Abstr.) (Fre)

[Pyoderma gangrenosum. 14 personal observations and review of the literature] Guilhou JJ, et al. **J Mal Vasc** 1987; 12(2):202–7 (Eng. Abstr.) (Fre)

[What is your diagnosis?] Colmant A, et al. **Pediatrie** 1986 Dec;41(8):665–7 (Fre)

[Pseudo-Kaposi's syndrome of the left lower extremity. The Stewart-Bluefarb syndrome] Cardoso J, et al. **Phlebologie** 1986 Oct-Dec;39(4):933–9 (Eng. Abstr.) (Fre)

[Degos' papulosis atrophicans maligna] Eussen R. **Phlebologie** 1987 Jan-Mar;40(1):81–3 (Eng. Abstr.) (Fre)

[Association of carpal tunnel syndrome, Raynaud's phenomenon and cutaneous necrosis. Description of a clinical case] Piergiacomi G, et al. **Rev Rhum Mal Osteoartic** 1986 Jun;53(6):393–5 (Fre)

[Cutaneous necrosis after infusion of acyclovir (letter)] Fayol J, et al. **Therapie** 1987 Mar-Apr;42(2):249 (Fre)

[Cutaneous mastocytosis] Demoulin V, et al. **Tunis Med** 1986 Mar;64(3):211–6 (Eng. Abstr.) (Fre)

[Electrophoretic studies of blister formation on skin ridges between rope marks] Pollak S, et al. **Beitr Gerichtl Med** 1986;44:535–42 (Eng. Abstr.) (Ger)

[Pattern of distribution of elastic bodies in human skin. Complementary studies of infants and small children and of the hands and feet of adults] Vock R, et al. **Beitr Gerichtl Med** 1986;44:141–51 (Eng. Abstr.) (Ger)

[Morphologic studies of elastic and collagen fibers and acid mucopolysaccharide in rabbit skin following experimental freezing] Szyszkowska AM. **Gegenbaurs Morphol Jahrb** 1986;132(4):567–76 (Eng. Abstr.) (Ger)

[Detection of immunoglobulin deposits in paraffin embedded skin with the peroxidase-antiperoxidase (PAP) method] Kutzner H, et al. **Hautarzt** 1986 Sep;37(9):503–6 (Eng. Abstr.) (Ger)

[Skin changes in advanced age—biochemical findings corresponding to morphology?] Schmiegelow P, et al. **Z Gerontol** 1986 May-Jun;19(3):179–89 (Eng. Abstr.) (Ger)

[Immunohistologic characterization of stasis dermatitis transformed skin of the lower leg] Bahmer F. **Z Hautkr** 1987 Jul 15;62(14):1056–63 (Eng. Abstr.) (Ger)

[Differential diagnosis of leprosy in developing countries—the skin and oral cavity] Stingl P. **Z Hautkr** 1987 Feb 1;62(3):227–31 (Eng. Abstr.) (Ger)

[Jadassohn type anetoderma—case report] Ulrich R, et al. **Z Hautkr** 1986 Oct 1;61(19):1405–8 (Eng. Abstr.) (Ger)

[Eosinophilic spongiosis in various vesicobullous diseases] Ziv R, et al. **Harefuah** 1986 Dec 1;111(11):362–4 (Eng. Abstr.) (Heb)

[Necrobiosis lipoidica with transepithelial elimination] Aloi FG, et al. **G Ital Dermatol Venereol** 1987 May;122(5):225–7 (Eng. Abstr.) (Ita)

[A case of anetoderma associated with discoid type lupus erythematosus. Clinico-histologic and pathogenetic observations] Candio P, et al. **G Ital Dermatol Venereol** 1986 Jul-Aug;121(4):269–72 (Eng. Abstr.) (Ita)

[Lichen aureus. Presentation of a case in zonal arrangement] Minghetti G, et al. **G Ital Dermatol Venereol** 1987 May; 122(5):243–5 (Eng. Abstr.) (Ita)

[Zinsser-Cole-Engman syndrome] Parodi A, et al. **G Ital Dermatol Venereol** 1986 Nov-Dec;121(6):423–4 (Eng. Abstr.) (Ita)

[Skin lesions in carbon monoxide poisoning] Patrizi A, et al. **G Ital Dermatol Venereol** 1986 Nov-Dec;121(6):395–7 (Eng. Abstr.) (Ita)

[Lichen myxedematosus] Tinozzi CC, et al. **G Ital Dermatol Venereol** 1987 May;122(5):229–32 (Eng. Abstr.) (Ita)

[Neurocutaneous melanosis] Cazzani M, et al. **Minerva Pediatr** 1987 Jan 31;39(1-2):43–51 (Eng. Abstr.) (Ita)

[6 cases of friction melanosis with amyloid deposition and frequency of friction melanosis in general population by questionnaires] Baba A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1215–23 (Jpn)

[A case of Leptospirosis (pretibial fever)] Hanada K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):805–9 (Jpn)

[Friction melanosis with amyloid deposits with special reference to collagen fibrils] Henmi K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Sep;96(10):989–95 (Jpn)

[Sporotrichosis which showed peculiar clinical findings] Takase T, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov; 96(12):1239–45 (Jpn)

[A case of late congenital syphilis which has remained undiagnosed and untreated for more than 30 years] Usami H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug; 96(9):937–41 (Jpn)

[Four cases of fatal poisoning by hydrogen sulfide. A study of greenish discoloration of the skin and formation of sulfhemoglobin] Tatsuno Y, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):308–15 (Eng. Abstr.) (Jpn)

[Effects of magnesium deficiency on dermal mast cells in rats] Ishiguro S, et al. **Nippon Yakurigaku Zasshi** 1987 Mar; 89(3):121–7 (Eng. Abstr.) (Jpn)

[Skin, mucous membrane and retinal manifestations in HTLV III/LAV infections and AIDS] Dobloug JH, et al. **Tidsskr Nor Laegeforen** 1986 Jun 30;106(19–21):1547–53 (Eng. Abstr.) (Nor)

[Venous dysfunction, chronic cutaneous changes and leg ulcers. Surgical prevention and treatment] Iversen T, et al. **Tidsskr Nor Laegeforen** 1987 Jan 20;107(2):138–41 (Eng. Abstr.) (Nor)

[Pathomorphology of pigmentary changes in the skin and mucous membranes] Sikorowa L. **Pediatr Pol** 1986 Aug; 61(8):484–90 (Eng. Abstr.) (Pol)

[Cutaneous necrosis in plastic surgery and its probable relation to the use of cigarettes (letter)] D'Assumpção EA. **AMB** 1986 Jul-Aug;32(7–8):143–4 (Por)

[Angiolymphoid hyperplasia with eosinophilia (Kimura disease)] Kalamkarian AA, et al. **Arkh Patol** 1987; 49(3):76–8 (Eng. Abstr.) (Rus)

[Changes in the skin and underlying tissues in radiation lymphostasis of the extremities] Khalmosh L, et al. **Med Radiol (Mosk)** 1987 Apr;32(4):17–21 (Rus)

[Complex study of the morphofunctional state of the dermis of psoriasis patients] Bukharovich MN, et al. **Vestn Dermatol Venerol** 1987;(2):4–7 (Eng. Abstr.) (Rus)

[Pathomorphology of experimental chromomycosis] Egorova TP, et al. **Vestn Dermatol Venerol** 1987;(5):30–2 (Eng. Abstr.) (Rus)

[Toxicodermia caused by mercury vapor] Gusein-Zade KM, et al. **Vestn Dermatol Venerol** 1987;(1):47–9 (Eng. Abstr.) (Rus)

[Kimura disease (angiolymphoid hyperplasia with eosinophilia)] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1986;(9):4–6 (Eng. Abstr.) (Rus)

[Skin lesions in multiple myeloma] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1986;(11):4–8 (Eng. Abstr.) (Rus)

[Chronic ulcerative vegetating scrofuloderma-like pyoderma] Kazangapova KB, et al. **Vestn Dermatol Venerol** 1987;(1):49–50 (Eng. Abstr.) (Rus)

[Sweet's syndrome] Kotov AA. **Vestn Dermatol Venerol** 1986;(9):51–4 (Eng. Abstr.) (Rus)

[The Bloch-Sulzberger syndrome] Kurnikov GIu, et al. **Vestn Dermatol Venerol** 1986;(11):43–4 (Eng. Abstr.) (Rus)

[A case of juvenile xanthogranuloma] Romanenko VN, et al. **Vestn Dermatol Venerol** 1987;(2):60–1 (Eng. Abstr.) (Rus)

[Correlation of immunological disorders with histological changes in Kaposi's disease] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986;(10):4–8 (Eng. Abstr.) (Rus)

[Rarely observed forms of trichophytosis] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1986;(9):65–6 (Eng. Abstr.) (Rus)

[Lafora disease. Morphopathologic analysis of its hypothetical relation to amylopectinosis apropos of the study of 3 cases] Gutiérrez Molina M, et al. **Arch Neurobiol (Madr)** 1986 Sep-Oct;49(5):251–67 (Eng. Abstr.) (Spa)

[Dermal necrosis and heparin (letter)] Alegre A, et al. **Med Clin (Barc)** 1987 Jan 31;88(4):170 (Spa)

[Idiopathic atrophie blanche or livedoid vasculitis (letter)] Yebra Bango M, et al. **Rev Clin Esp** 1987 Feb;180(3):175–6 (Spa)

[3 cases of wound formation in treatment of enuresis with home modified mats] Hattevig G, et al. **Lakartidningen** 1987 Jan 7;84(1–2):47 (Swe)

[6 case reports of warfarin-induced skin necrosis] Sjöberg A, et al. **Lakartidningen** 1986 Nov 26;83(48):4089–92 (Swe)

[An unusual skin manifestation in lymphocytic malignant lymphoma] Zylberstein D, et al. **Lakartidningen** 1987 Apr 1;84(14):1167–8 (Swe)

PHYSIOLOGY

Reproducibility and variability of transepidermal water loss measurement. Studies on the Servo Med Evaporimeter. Blichmann CW, et al. **Acta Derm Venereol (Stockh)** 1987; 67(3):206–10

Effect of transcutaneous electrostimulation on the cell composition of skin exudate. Eberhardt A, et al. **Acta Physiol Pol** 1986 Jan-Feb;37(1):41–6

Concentration dependence of halide fluxes and selectivity of the anion pathway in toad skin. Harck AF, et al. **Acta Physiol Scand** 1986 Oct;128(2):289–304

Intracellular pH regulation in frog skin: a 31P-nuclear magnetic resonance study. Civan MM, et al. **Am J Physiol** 1986 Nov;251(5 Pt 2):F831–8

Voltage-dependent Ba2+ block of K+ channels in apical membrane of frog skin. De Wolf I, et al. **Am J Physiol** 1986 Nov;251(5 Pt 1):C696–706

Effects of TPA on short-circuit current across frog skin. Mauro T, et al. **Am J Physiol** 1987 Feb;252(2 Pt 1):C173–8

Insulin action on electrophysiological properties of apical and basolateral membranes of frog skin. Schoen HF, et al. **Am J Physiol** 1987 Apr;252(4 Pt 1):C411–7

Measurement of interstitial fluid pressure in dogs: evaluation of methods. Wiig H, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H283–90

Volume-pressure relationship (compliance) of interstitium in dog skin and muscle. Wiig H, et al. **Am J Physiol** 1987 Aug;253(2 Pt 2):H291–8

The choice of pulse duration for chronic electrical stimulation via surface, nerve, and intramuscular electrodes. Crago PE, et al. **Ann Biomed Eng** 1974 Sep;2(3):252–64

Hercules and hydra. Goldsmith LA. **Arch Dermatol** 1987 Jan; 123(1):117–8

Apologies to John Donne. Goldsmith LA. **Arch Dermatol** 1987 Apr;123(4):535–6

Stratum corneum lipid phase transitions and water barrier properties. Golden GM, et al. **Biochemistry** 1987 Apr 21; 26(8):2382–8

A method for measuring skin tension. Jones MH, et al. **Biomed Sci Instrum** 1987;23:199–205

Peripheral autonomic surface potential: a quantitative technique for recording autonomic neural function in man. Knezevic W, et al. **Clin Exp Neurol** 1985;21:201–10

Electrical sensimetry. Assessment of cutaneous sensibility with electrical stimulation. Laitinen LV. **Clin Neurol Neurosurg** 1987;89(1):5–8

Tissue expansion. **Clin Plast Surg** 1987 Jul;14(3):431–577

The origin of expanded tissue. Austad ED. **Clin Plast Surg** 1987 Jul;14(3):431–3

Rapid expansion: experimental and clinical experience. Marks MW, et al. **Clin Plast Surg** 1987 Jul;14(3):455–63

Skin morphology and function. Stal S, et al. **Clin Plast Surg** 1987 Apr;14(2):201–8

Some further characteristics of expanded tissue. Vander Kolk CA, et al. **Clin Plast Surg** 1987 Jul;14(3):447–53

Changes in cell membrane fluidity affect the sodium transport across frog skin and its sensitivity to amiloride. Lagerspetz KY, et al. **Comp Biochem Physiol [A]** 1987;87(4):873–6

The short-term effect of prolactin on the active Na transport system of the tadpole skin during metamorphosis. Takada M. **Comp Biochem Physiol [A]** 1986;85(4):755–9

Electrocardiograms recorded from the body surface of the carp, Cyprinus carpio. Ueno S, et al. **Comp Biochem Physiol [A]** 1986;85(1):129–33

The human gene map and genes expressed in the skin. Gedde-Dahl T Jr. **Curr Probl Dermatol** 1987;16:45–64 (32 ref.)

Tissue expansion in dermatologic surgery. Roenigk RK, et al. **Dermatol Clin** 1987 Apr;5(2):429–36 (23 ref.)

Importance of the dermal-epidermal junction and recent advances. Woodley DT. **Dermatologica** 1987;174(1):1–10 (45 ref.)

Wound healing of human skin transplanted onto the nude mouse. II. An immunohistological and ultrastructural study of the epidermal basement membrane zone reconstruction and connective tissue reorganization. Démarchez M, et al. **Dev Biol** 1987 May;121(1):119–29

A simple procedure to attenuate artifacts in surface electrode recordings by painlessly lowering skin impedance. Okamoto T, et al. **Electromyogr Clin Neurophysiol** 1987 Apr-May;27(3):173–6

Water and sodium transport: effects of calcium channel blocker and calmodulin antagonists on the apical and basolateral membranes of amphibian epithelia. Natochin YuV, et al. **Gen Physiol Biophys** 1987 Feb;6(1):35–44

Nonsudorific skin potential level: current hypothesis and psychophysiological significance. Leonesio RJ, et al. **Int J Neurosci** 1987 Feb;32(3-4):783–98 (101 ref.)

The mechanical point impedance of the human head, with and without skin penetration. Håkansson B, et al. **J Acoust Soc Am** 1986 Oct;80(4):1065–75

Vitamin A and wound healing. Hunt TK. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):817–21 (51 ref.)

A technique to quantify skin displacement in the walking horse. van Weeren PR, et al. **J Biomech** 1986;19(10):879–83

Evaluation of fiberoptic dermofluorometry as a means of clinically assessing tissue perfusion. Leopold PW, et al. **J Cardiovasc Surg (Torino)** 1987 May-Jun;28(3):243–8

Temperature and humidity dynamics of cutaneous and respiratory evaporation in pigeons, Columba livia. Webster MD, et al. **J Comp Physiol [B]** 1987;157(2):253–60

Ventilation and partitioning of oxygen uptake in the frog Rana pipiens: effects of hypoxia and activity. Pinder AW, et al. **J Exp Biol** 1986 Nov;126:453–68

Dermis-derived 15-hydroxy-eicosatetraenoic acid inhibits epidermal 12-lipoxygenase activity. Kragballe K, et al. **J Invest Dermatol** 1986 Oct;87(4):494–8

Developmental initiation of elastin gene expression by human fetal skin fibroblasts. Sephel GC, et al. **J Invest Dermatol** 1987 Jun;88(6):732–5

Melanin-related metabolites as markers of the skin pigmentary system. Westerhof W, et al. **J Invest Dermatol** 1987 Jul;89(1):78–81

Prostaglandin E2-stimulated glandular ion and water secretion in isolated frog skin (Rana esculenta). Bjerregaard HF, et al. **J Membr Biol** 1987;97(1):9–19

Diacylglycerols stimulate short-circuit current across frog

skin by increasing apical Na+ permeability. Civan MM, et al. **J Membr Biol** 1987;97(3):193–204

Membrane potentials and intracellular Cl- activity of toad skin epithelium in relation to activation and deactivation of the transepithelial Cl- conductance. Willumsen NJ, et al. **J Membr Biol** 1986;94(2):173–90

Cat hindlimb motoneurons during locomotion. IV. Participation in cutaneous reflexes. Loeb GE, et al. **J Neurophysiol** 1987 Feb;57(2):563–73

Acid secretion through the Rana esculenta skin: involvement of an anion–exchange mechanism at the basolateral membrane. Duranti E, et al. **J Physiol (Lond)** 1986 Sep; 378:195–211

Sintered hydroxyapatite for a percutaneous device and its clinical application. Aoki H, et al. **Med Prog Technol** 1987; 12(3–4):213–20

Body surface potential mapping—its application to animal experiments and clinical examinations. Doniwa K, et al. **Med Prog Technol** 1987;12(1–2):117–22

Measurement of electrical bio–impedance and its applications. Yamamoto Y, et al. **Med Prog Technol** 1987;12(3–4):171–83

Thermoregulatory responses to skin wetting during prolonged treadmill running. Bassett DR Jr, et al. **Med Sci Sports Exerc** 1987 Feb;19(1):28–32

Spatial organization of the diplesthetic and nondiplesthetic areas of the fingers. Benedetti F. **Perception** 1986; 15(3):285–301

Oxytocin stimulates the apical K+ conductance in frog skin. Erlij D, et al. **Pflugers Arch** 1986 Dec;407(6):602–6

Induction of megakaryocytic colony–stimulating activity in mouse skin by inflammatory agents and tumor promoters. Clark DA, et al. **Proc Soc Exp Biol Med** 1987 Mar; 184(3):245–9

Particle probe analysis in the study of skin physiology. Forslind B. **Scan Electron Microsc** 1986;(Pt 3):1007–14

Measurement of skin mobility in the upper back. Hirschberg GG, et al. **Scand J Rehabil Med** 1986;18(4):173–5

Epithelial wound healing enhanced by transforming growth factor–alpha and vaccinia growth factor. Schultz GS, et al. **Science** 1987 Jan 16;235(4786):350–2

Ionic basis of short–circuit current in toad skin at high hydrostatic pressure. Goldinger JM, et al. **Undersea Biomed Res** 1986 Sep;13(3):361–7

[Electrically induced cutaneo–muscular reflex from the m. extensor digitorum brevis] Piepenbrock N, et al. **EEG EMG** 1987 Jun;18(2):76–81 (Eng. Abstr.) **(Ger)**

[Basement membrane zone antigens during epidermal wound healing—EBA antigen, BP antigen and fibronectin] Igarashi A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov; 96(12):1279–81 **(Jpn)**

[Kinetics of the response of native skin tissue to electric stimulation using polarizing electrodes] Zinevich AN, et al. **Biofizika** 1987 Jan–Feb;32(1):135–8 (Eng. Abstr.) **(Rus)**

[Effect of plasma flow on the regeneration of skin wounds and body reactivity] Stupin IV, et al. **Biull Eksp Biol Med** 1987 May;103(5):565–6 (Eng. Abstr.) **(Rus)**

[A gauge for measuring the temperature sensitivity of human skin] Kalakutskiĭ LI, et al. **Fiziol Cheloveka** 1986 Jul–Aug; 12(4):689–91 **(Rus)**

[Modified method for determining skin bactericidal activity] Tkach VK, et al. **Lab Delo** 1987;(6):462–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A 'new' mechanism for oedema generation: strongly negative interstitial fluid pressure causes rapid fluid flow into thermally injured skin. Lund T, et al. **Acta Physiol Scand** 1987 Mar;129(3):433–5

Time course and intensity of anthralin inflammation on involved and uninvolved psoriatic skin. Paramsothy Y, et al. **Br J Dermatol** 1987 Apr;116(4):517–9

Lasers, dermal fibroblasts and psoriasis [letter] Saiag P, et al. **Br J Dermatol** 1986 Dec;115(6):744–5

Oxygen inhalation induced changes in the skin as measured by transcutaneous oxymetry. McCollum PT, et al. **Br J Surg** 1986 Nov;73(11):882–5

Skin reflectance measurements of patch test responses. Mendelow AY, et al. **Contact Dermatitis** 1986 Aug; 15(2):73–8

Fibrinolysis in chronic urticaria [letter] Haustein UF. **Dermatologica** 1987;175(1):51–2

Percutaneous sensitisation to house dust mite may occur naturally in eczema. Carswell F, et al. **Int Arch Allergy Appl Immunol** 1987;82(3–4):453–5

Noninvasive determination of skin perfusion pressure using a laser Doppler. Castronuovo JJ Jr, et al. **J Cardiovasc Surg (Torino)** 1987 May–Jun;28(3):253–7

Behavior of epidermolysis bullosa fibroblasts in a hydrated collagen lattice. Eisen AZ, et al. **J Invest Dermatol** 1987 Jun;88(6):741–6

In vitro functional reactivities of cutaneous mast cells from patients with mastocytosis. Tharp MD, et al. **J Invest Dermatol** 1987 Sep;89(3):264–8

Evaluation of pH changes in inflammation of the subcutaneous air pouch lining in the rat, induced by carrageenan, dextran and Staphylococcus aureus. Punnia–Moorthy A. **J Oral Pathol** 1987 Jan;16(1):36–44

Effects of unilateral and bilateral auricular transcutaneous electrical nerve stimulation on cutaneous pain threshold. Krause AW, et al. **Phys Ther** 1987 Apr;67(4):507–11

Cutaneous fibrinolytic activity in primary hypertrophic osteoarthropathy. Matucci–Cerinic M, et al. **Scand J Rheumatol** 1987;16(3):205–12

Skin elasticity measurements in normals and in patients with a connective tissue disorder. Manschot JF, et al. **Vasa** 1987; 16(1):4–8

[Psoriasis in Köbner's sign] van Joost T, et al. **Ned Tijdschr Geneeskd** 1987 May 30;131(22):929–31 **(Dut)**

[Pre- and postoperative quantitative measures of facial sensitivity in tic douloureux] Hariz MI, et al. **Neurochirurgie** 1986;32(5):433–9 (Eng. Abstr.) **(Fre)**

[Elasticity of the skin in chronic venous insufficiency] Kuiper JP, et al. **Phlebologie** 1986 Jul–Sep;39(3):553–60 (Eng. Abstr.) **(Fre)**

[A study of itch intensity in relation to two–point tactual discrimination] Hama H, et al. **Shinrigaku Kenkyu** 1986 Aug;57(3):179–82 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Clinical and experimental aspects of long–wave ultraviolet (UVA) irradiation of human skin. Beitner H. **Acta Derm Venereol [Suppl] (Stockh)** 1986;123:1–56 (93 ref.)

Indian and Pakistani immigrants have the same capacity as Caucasians to produce vitamin D in response to ultraviolet irradiation. Lo CW, et al. **Am J Clin Nutr** 1986 Nov; 44(5):683–5

Mast cells in sun–exposed and non–sun–exposed skin. An autopsy study. Rosen LB, et al. **Am J Dermatopathol** 1987 Jun;9(3):208–11

Ear swelling in response to UVB irradiation. Ikai K, et al. **Arch Dermatol Res** 1986;278(6):445–8

Early persistent UVA–pigmentation: ultrastructural and morphometric analyses. Ryckmanns F, et al. **Arch Dermatol Res** 1987;279(3):173–9

Cellular confluence determines injury–induced prostaglandin E2 synthesis by human keratinocyte cultures. Pentland AP, et al. **Biochim Biophys Acta** 1987 May 13;919(1):71–8

The effect of mixed fractionation with X rays and neutrons on tumour growth delay and skin reactions in mice. Carl UM, et al. **Br J Radiol** 1987 Jun;60(714):583–8

Single–dose relative biological effectiveness and toxicity studies under conditions of hypothermia and hyperbaric oxygen. Hering ER, et al. **Br J Radiol** 1986 Nov; 59(707):1099–103

The response of pig skin to single doses of irradiation from strontium–90 sources of differing surface area. Hopewell JW, et al. **Br J Radiol** 1985 Aug;58(692):778–80

On minimisation of toxicity to skin during capacitive radio–frequency hyperthermia. Reddy NM, et al. **Br J Radiol** 1986 Nov;59(707):1129–31

Action spectra for human skin cells: estimates of the relative cytotoxicity of the middle ultraviolet, near ultraviolet, and violet regions of sunlight on epidermal keratinocytes. Tyrrell RM, et al. **Cancer Res** 1987 Apr 1;47(7):1825–9

Long–term actinic damage in sun–exposed vitiligo and normally pigmented skin. Calanchini–Postizzi E, et al. **Dermatologica** 1987;174(6):266–71

Photocarcinogenesis and persistent hyperplasia in UV–irradiated SENCAR mouse skin. Strickland PT. **Environ Health Perspect** 1986 Sep;68:131–4

Helion–neon and infra–red laser do not modify the U.V.A. and U.V.B. minimal erythema dose. Benoldi D, et al. **Farmaco [Prat]** 1987 Aug;42(8):193–7

Electron dose–rate conversion factors for external exposure of the skin from uniformly deposited activity on the body surface. Kocher DC, et al. **Health Phys** 1987 Aug; 53(2):135–41

The differential response of the skin in young and old rats to a combination of X–rays and 'wet' or 'dry' hyperthermia. Hamlet R, et al. **Int J Radiat Biol** 1986 Nov;50(5):853–9

The response of mouse epidermis to fractionated doses of pi mesons. Chaplin DJ, et al. **Int J Radiat Oncol Biol Phys** 1987 Aug;13(8):1199–208

Response of previously irradiated mouse skin to a second course of irradiation: early skin reaction and skin shrinkage. Masuda K, et al. **Int J Radiat Oncol Biol Phys** 1986 Sep; 12(9):1645–51

Dosimetry in phototherapy cabinets. Fanselow D, et al. **J Am Acad Dermatol** 1987 Jul;17(1):74–7

Effect of dye laser pulse duration on selective cutaneous vascular injury. Garden JM, et al. **J Invest Dermatol** 1986 Nov;87(5):653–7

Immediate pigment darkening phenomenon. A reevaluation of its mechanisms. Hönigsmann H, et al. **J Invest Dermatol** 1986 Nov;87(5):648–52

Ultraviolet excimer laser ablation: the effect of wavelength and repetition rate on in vivo guinea pig skin. Morelli J, et al. **J Invest Dermatol** 1987 Jun;88(6):769–73

UVB–induced collagen changes in the skin of the hairless albino mouse. Plastow SR, et al. **J Invest Dermatol** 1987 Feb;88(2):145–8

Melanosomes are a primary target of Q–switched ruby laser irradiation in guinea pig skin. Polla LL, et al. **J Invest Dermatol** 1987 Sep;89(3):281–6

The response of mouse skin to re–irradiation with x–rays or fast neutrons. Tsukiyama I, et al. **J Radiat Res (Tokyo)** 1986 Dec;27(4):371–7

Effects of microwave radiation on living tissues. Surrell JA, et al. **J Trauma** 1987 Aug;27(8):935–9

Light dosimetry in animal models: application to photodynamic therapy in otolaryngology. Werkhaven J, et al. **Laryngoscope** 1986 Oct;96(10):1058–61

The early and late effect of ultraviolet light exposure on the induction and repair of electron–induced DNA damage in rat epidermis. Sargent EV, et al. **Mech Ageing Dev** 1987 Aug;39(3):233–43

Skin–sparing effects of neutron beam filtering materials. Otte VA, et al. **Med Phys** 1987 Jul–Aug;14(4):670–3

Dosimetric study of total skin irradiation with a scanning beam electron accelerator. Sharma SC, et al. **Med Phys** 1987 May–Jun;14(3):355–8

Unscheduled DNA synthesis after beta–irradiation of mouse skin in situ. Ootsuyama A, et al. **Mutat Res** 1986 Sep; 166(2):183–5

Effects of CO2 laser radiation on the skin of the rat. Light and scanning electron microscopy study. Watanabe I, et al. **Okajimas Folia Anat Jpn** 1987 May;64(1):81–97

Excision repair of pyrimidine dimers in marsupial cells. Applegate LA, et al. **Photochem Photobiol** 1987 Feb; 45(2):241–5

Potential involvement of free radical reactions in ultraviolet light–mediated cutaneous damage. Black HS. **Photochem Photobiol** 1987 Aug;46(2):213–21

The effect of applied thickness on sunscreen protection: in vivo and in vitro studies. Brown S, et al. **Photochem Photobiol** 1986 Oct;44(4):509–13

ESR detection of endogenous ascorbate free radical in mouse skin: enhancement of radical production during UV irradiation following application of chlorpromazine. Buettner GR, et al. **Photochem Photobiol** 1987 Aug; 46(2):161–4

Depletion of cutaneous glutathione by ultraviolet radiation. Connor MJ, et al. **Photochem Photobiol** 1987 Aug; 46(2):239–45

The vascular response of human skin to ultraviolet radiation. Farr PM, et al. **Photochem Photobiol** 1986 Oct;44(4):501–7

Pyrimidine dimer formation in human skin. Freeman SE, et al. **Photochem Photobiol** 1987 Aug;46(2):207–12

DNA–protein crosslinking in normal human skin fibroblasts exposed to solar ultraviolet wavelengths. Lai LW, et al. **Photochem Photobiol** 1987 Jul;46(1):143–6

Monodelphis domestica: a new animal model for studies in photodermatology. Ley RD. **Photochem Photobiol** 1987 Aug;46(2):223–7

Loss of photoreversibility of sunburn cell induction in Monodelphis domestica. Ley RD, et al. **Photochem Photobiol** 1987 Aug;46(2):315–7

Effect of growth temperature on lipid composition and ultraviolet sensitivity of human cells. McAleer MA, et al. **Photochem Photobiol** 1987 Jul;46(1):31–7

The effect of the antipsoriatic drug metabolite etretin (Ro 10–1670) on UVB irradiation induced changes in the metabolism of arachidonic acid in human keratinocytes in culture. Punnonen K, et al. **Photochem Photobiol** 1986 Nov; 44(5):623–7

Action spectra for the induction of pyrimidine(6–4)pyrimidone photoproducts and cyclobutane pyrimidine dimers in normal human skin fibroblasts. Rosenstein BS, et al. **Photochem Photobiol** 1987 Jun; 45(6):775–80

Endogenous glutathione protects human skin fibroblasts against the cytotoxic action of UVB, UVA and near–visible radiations. Tyrrell RM, et al. **Photochem Photobiol** 1986 Nov;44(5):561–4

Photosensitivity in the skin of the lizard, Anolis carolinensis. Vaughan GL. **Photochem Photobiol** 1987 Jul;46(1):109–14

UVB–induced erythema, delayed tanning, and UVA–induced immediate tanning in Japanese skin. Kawada A. **Photodermatol** 1986 Dec;3(6):327–33

The nature of photoaging: its prevention and repair. Kligman LH, et al. **Photodermatol** 1986 Aug;3(4):215–27 (53 ref.)

Sunlight, vitamin A and the skin. Vahlquist A, et al. **Photodermatol** 1986 Aug;3(4):203–5

Dielectric properties of Co–gamma–irradiated and microwave–heated rat tumour and skin measured in vivo between 0.2 and 2.4 GHz. Zywietz F, et al. **Phys Med Biol** 1986 Sep;31(9):1021–9

Alteration of macromolecular events and elemental levels in the skin of UVC exposed hairless mice. Ranade SS, et al. **Physiol Chem Phys Med NMR** 1986;18(3):197–205

Cell population kinetic parameters for acute epidermal reactions in man. Cohen L. **Radiat Res** 1986 Nov; 108(2):139–45

The differential protection by WR2721 of skin versus growing cartilage following irradiation in weanling rats. Constine LS, et al. **Radiat Res** 1987 Apr;110(1):61–71

Age dependency of response of the mouse skin to single and multifractionated gamma irradiation. Masuda K, et al. **Radiother Oncol** 1986 Oct;7(2):147–53

Histochemical changes in the guinea pig skin after irradiation. Glycides. II. Zvára J. **Sb Ved Pr Lek Fak Univ Karlovy** 1984;27(4):543–68

Oncogenes in radioresistant, noncancerous skin fibroblasts from a cancer–prone family. Chang EH, et al. **Science** 1987 Aug 28;237(4818):1036–9

Potential risks associated with indoor tanning. Skopec LL. **SD J Med** 1987 Mar;40(3):31–3

2nd Tübingen Radiotherapy Symposium: Whole body, large field and whole skin irradiation. April 11th and 12th, 1986. Proceedings. **Strahlenther Onkol** 1987 Apr;163(4):203–81

[Determination of the UV erythema threshold value using UV gradient exposure] Meffert H, et al. **Dermatol Monatsschr** 1987;173(1):8–11 (Eng. Abstr.) **(Ger)**

[Effects of argon laser on the skin] Marini D, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):285–8 (Eng. Abstr.) **(Ita)**

[Reactions of the cardiorespiratory system to low-intensity infrared laser irradiation of local areas of the skin on the wrist] Seleznev VI, et al. **Fiziol Cheloveka** 1986 Jul–Aug; 12(4):595–600 **(Rus)**

[Hygienic evaluation of global Kr-85] Vasilenko IIa. **Gig Sanit** 1986 Nov;(11):47–50 (16 ref.) **(Rus)**

[Human tolerance for high-intensity contact heat exposure of the surface of the skin] Kozlovskii AP, et al. **Kosm Biol Aviakosm Med** 1986 Jul–Aug;20(4):53–5 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation and other factors on the thermal sensitivity of mouse skin] Kurpeshev OK, et al. **Med Radiol (Mosk)** 1987 Mar;32(3):69–74 (Eng. Abstr.) **(Rus)**

[Radiosensitizing effect of hyperthermia on normal and tumor tissues] Kurpeshev OK, et al. **Med Radiol (Mosk)** 1987 Jul; 32(7):57–62 (Eng. Abstr.) **(Rus)**

[Modification of separate and combined effects of hyperthermia and ionizing radiation on normal tissues] Kurpeshev OK. **Med Radiol (Mosk)** 1986 Dec;31(12):52–6 (Eng. Abstr.) **(Rus)**

[Theoretical study of the relation of the RBE of fast neutrons to dose for normal human skin and connective tissue] Lisin VA. **Radiobiologiia** 1986 Sep–Oct;26(5):656–60 (Eng. Abstr.) **(Rus)**

[Role of iron in the pathogenesis of free radical processes induced by UV-irradiation of guinea pig skin] Akimov VG. **Vestn Dermatol Venerol** 1987;(2):7–10 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Response of skin thickness and metacarpal index to estradiol therapy in postmenopausal women. Brincat M, et al. **Obstet Gynecol** 1987 Oct;70(4):538–41

SECRETION

Acidification of the bathing fluid by the skin of Rana pipiens in metabolic acidosis. Frazier LW. **Comp Biochem Physiol [A]** 1986;85(1):57–61

Purification and properties of a hemagglutination factor from Arabian Gulf catfish (Arius thalassinus) epidermal secretion. Al-Hassan JM, et al. **Comp Biochem Physiol [B]** 1986;85(1):31–9

Lipid composition of the epidermal gel secretion from the Arabian Gulf catfish (Arius thalassinus Ruppell). Al-Hassan JM, et al. **Comp Biochem Physiol [B]** 1986; 85(1):41–7

Skin peptides in Xenopus laevis: morphological requirements for precursor processing in developing and regenerating granular skin glands. Flucher BE, et al. **J Cell Biol** 1986 Dec;103(6 Pt 1):2299–309

Prostaglandin D2 release by guinea pig skin during in vitro anaphylaxis induced by antigen and compound 48/80. Kozuka T, et al. **J Invest Dermatol** 1987 Feb;88(2):115–9

Prostaglandin associated mortality following intravenous injection of catfish epidermal secretions in rabbits. Al-Hassan JM, et al. **Prostaglandins Leukotrienes Med** 1987 Jun;28(1):95–102

Tetrodotoxin secreting glands in the skin of puffer fishes. Kodama M, et al. **Toxicon** 1986;24(8):819–29

SURGERY

Mammoplasty with an L-shaped limited scar and retropectoral dermopexy. De Longis E. **Aesthetic Plast Surg** 1986;10(3):171–5

Suture materials for closing the skin and subcutaneous tissues. Lober CW, et al. **Aesthetic Plast Surg** 1986;10(4):245–8

Skin deepithelialization using the carbon dioxide laser. Hallock GG, et al. **Ann Plast Surg** 1987 Apr;18(4):283–8

Tissue expansion techniques in burn reconstruction. Hallock GG. **Ann Plast Surg** 1987 Apr;18(4):274–82

Blood pressure as a parameter in dermatologic surgery. Dzubow LM. **Arch Dermatol** 1986 Dec;122(12):1406–7

Complications of cutaneous laser surgery. A survey. Olbricht SM, et al. **Arch Dermatol** 1987 Mar;123(3):345–9

Inverted mattress suture for perineal skin. Bowles P. **Aust Fam Physician** 1986 Dec;15(12):1601

Double rotation skin closure: an alternative to elliptical closure. Robbins TH. **Aust NZ J Surg** 1978 Dec;48(6):650–2

Nerve growth to tooth buds after homotopic or heterotopic autotransplantation. Erdélyi G, et al. **Brain Res** 1987 May; 430(1):39–47

Cryosurgery of rhesus monkey skin—evaluation of epidermal thickening and effect on elastic component. Natiella JR, et al. **Clin Exp Dermatol** 1986 Sep;11(5):486–97

Modification of the skin incision for the Van Nes limb rotationplasty. Gebhart MJ, et al. **Clin Orthop** 1987 Mar; (216):179–82

Pigment changes in human skin after cryotherapy. Burge SM, et al. **Cryobiology** 1986 Oct;23(5):422–32

The role of tissue expansion in reconstructive surgery. Cohen M, et al. **Curr Surg** 1987 Jan–Feb;44(1):13–7

Advanced dermatologic surgery. **Dermatol Clin** 1987 Apr; 5(2):259–466

The modified rhytidectomy incision as an approach to buccal space masses. Myssiorek D, et al. **Ear Nose Throat J** 1986 Oct;65(10):463–7

Skin coverage in occupational hand injuries. Barwick WJ, et al. **Hand Clin** 1986 Aug;2(3):533–46 (15 ref.)

Use of gloves among dermatologists. Freeman WE, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):320–3

The technic of curettage surgery [letter] Mohs FE. **J Am Acad Dermatol** 1987 Apr;16(4):886

Electrosurgery electrode safety [letter] Rabhan NB. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):312

Marking the skin for reference [letter] Dolezal JF. **J Dermatol Surg Oncol** 1987 Aug;13(8):838–9

Chemosurgical report: indications for a geometric approach to wound closure following Mohs surgery. Dzubow LM. **J Dermatol Surg Oncol** 1987 May;13(5):480–6

Superpulsed lasers: minimizing thermal damage with short duration, high irradiance pulses. Hobbs ER, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):955–64

New instruments for razor blade surgery. Johannesson A. **J Dermatol Surg Oncol** 1987 Sep;13(9):984–5

VaraDerm: a skin substitute for surgical workshops. Lewis LA, et al. **J Dermatol Surg Oncol** 1987 May;13(5):473–4

Tattooing from surgical dye [letter] Parish WR, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1144

Crescent excision of skin lesions. Peled IJ, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1214–5

The suspension suture. Salasche SJ, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):973–8

Simplified surgery with surgical punches. Unis ME. **J Dermatol Surg Oncol** 1987 Aug;13(8):906–8

Skin incision parallel with skin cleavage lines for access to the fractured zygomatic arch. Shikimori M, et al. **J Maxillofac Surg** 1986 Dec;14(6):321–2

Intra-abdominal tissue expansion: an adjunct in the separation of conjoined twins. Zuker RM, et al. **J Pediatr Surg** 1986 Dec;21(12):1198–200

Non-suture closure of wound using cyanoacrylate. Dalvi A, et al. **J Postgrad Med** 1986 Apr;32(2):97–100

Comparative study of argon, Nd: YAG and CO2 lasers to achieve similar histological changes in ddY mouse skin. Ohshiro T. **Keio J Med** 1987 Jan;36(1):99–111

Subcutaneous suture placement. Davidson TM. **Laryngoscope** 1987 Apr;97(4):501–4

Modeling optical and thermal distributions in tissue during laser irradiation. Jacques SL, et al. **Lasers Surg Med** 1987; 6(6):494–503

Ultraviolet laser ablation of skin: healing studies and a thermal model. Lane RJ, et al. **Lasers Surg Med** 1987; 6(6):504–13

The effect of sterile inflammation on skin flap survival. Gaughan RN, et al. **Otolaryngol Head Neck Surg** 1986 Jul; 95(1):90–3

How does skin expansion work? [letter] Dover R. **Plast Reconstr Surg** 1987 Apr;79(4):672

Immediate Z-plasty for semicircular wounds. Gahhos FN, et al. **Plast Reconstr Surg** 1987 Sep;80(3):416–9

Regional aesthetic units of the face [letter] González-Ulloa M. **Plast Reconstr Surg** 1987 Mar;79(3):489–90

Flexible rhombic flap [letter] Zimman OA. **Plast Reconstr Surg** 1987 Mar;79(3):493–4

Principles and techniques of primary wound closure. Breitenbach KL, et al. **Primary Care** 1986 Sep;13(3):411–31 (18 ref.)

Complex wound closure, excisional biopsy, and use of simple flaps. Warren SE, et al. **Primary Care** 1986 Sep;13(3):433–45

Reconstructing chest walls with vertical abdominal fasciocutaneous flaps. Maruyama Y, et al. **Scand J Plast Reconstr Surg** 1986;20(1):79–83

[Comparative study of the cosmetic effect of using a vertical pi-shaped skin suture with gauze rolls in abdominal operations] Radev D. **Khirurgiia (Sofiia)** 1986;39(4):5–10 **(Bul)**

[Intracutaneous skin suture with a resorbable synthetic monofilament suture] Greve H, et al. **Langenbecks Arch Chir** 1986;368(1):57–63 (Eng. Abstr.) **(Ger)**

[Telethermographic studies of the wound suture in animal experiments] Sedlarik KM, et al. **Unfallchirurgie** 1986 Oct; 12(5):234–6 (Eng. Abstr.) **(Ger)**

[Methods for the surgical treatment of total postburn contracture of the shoulder joint with preservation of the undamaged portion of the skin over the cupola of the axillary fossa] Grishkevich VM, et al. **Klin Khir** 1987; (3):48–50 **(Rus)**

[Comparative evaluation of the healing of skin wounds inflicted with plasma and steel scalpels and the electric knife] Stupin IV, et al. **Klin Khir** 1987;(1):37–9 (Eng. Abstr.) **(Rus)**

[Adjustment of the skin and soft tissues in the area of the foot, calf and thigh amputation stump] Petrović S, et al. **Acta Chir Orthop Traumatol Cech** 1986 Dec;53(6):532–41 (Eng. Abstr.) **(Slo)**

TRANSPLANTATION

A survey of testing methods and techniques for free skin graft revascularization. Sekan V, et al. **Acta Chir Plast** 1986; 28(3):145–8

Free inguinal flap and its uses. Tvrdek M. **Acta Chir Plast** 1987;29(1):27–32

Graft exchange in vitiligo. Studies on the outcome of exchanging biopsies from vitiliginous skin to normal, pigmented skin and vice versa. Beck HI, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):311–5

Auricular composite graft from the scapha and its repair using a retroauricular subcutaneous pedicle flap. Sawada Y, et al. **Aesthetic Plast Surg** 1987;11(1):53–4

Recurrent carcinoma in situ of vulva in skin graft [letter] Townsend DE. **Am J Obstet Gynecol** 1987 Apr;156(4):1041

Skin graft survival in the uterine lumen of ewes treated with progesterone. Hansen PJ, et al. **Am J Reprod Immunol Microbiol** 1986 Oct;12(2):48–54

The use of collagen in oral surgery. Mitchell R. **Ann Acad Med Singapore** 1986 Jul;15(3):355–60

Introduction of the glabella composite graft for reconstruction of nasal tip defects and review of other methods. Ravindranathan N, et al. **Ann Acad Med Singapore** 1986 Jul;15(3):361–4

Grafting of burns with widely meshed autograft split skin and Langerhans cell–depressed allograft split skin overlay. Alsbjörn BF, et al. **Ann Plast Surg** 1986 Dec;17(6):480–4

The plantar digital web space island flap for reconstruction of the distal sole. Granick MS, et al. **Ann Plast Surg** 1987 Jul;19(1):68–74

Bolster dressing to support a full-thickness skin graft. Iacobucci JJ, et al. **Ann Plast Surg** 1987 Jun;18(6):550–1

Clinical evaluation of laser Doppler blood flow measurements in free flaps. Walkinshaw M, et al. **Ann Plast Surg** 1987 Mar;18(3):212–7

How to harvest skin graft from the avulsed flap in degloving injuries. Zeligowski AA, et al. **Ann Plast Surg** 1987 Jul; 19(1):89–90

Improved ischemic island skin flap survival with continuous intraarterial infusion of adenosine triphosphate—magnesium chloride and superoxide dismutase: a rat model. Zimmerman TJ, et al. **Ann Plast Surg** 1987 Mar;18(3):218–23

Porcine corium sling in the treatment of urinary stress incontinence. Iosif CS. **Arch Gynecol** 1987;240(3):131–6

The forearm flap as a free neurovascular flap for treatment of an extensive bone/soft-tissue defect in the calcaneal part of the foot. Sparmann M, et al. **Arch Orthop Trauma Surg** 1987;106(5):263–7

A comparison of three methods of oral reconstruction. McConnel FM, et al. **Arch Otolaryngol Head Neck Surg** 1987 May; 113(5):496–500

Dermis-fat graft: evolution of a living prosthesis. Martin PA, et al. **Aust N Z J Ophthalmol** 1986 May;14(2):161–5

The properties and uses of non-expanded machine-meshed skin grafts. Davison PM, et al. **Br J Plast Surg** 1986 Oct; 39(4):462–8

Configurational changes within the dermis of meshed split skin grafts: a histological study. Knight SL, et al. **Br J Plast Surg** 1987 Jul;40(4):420–2

The free radial forearm flap—the management of the secondary defect. McGregor AD. **Br J Plast Surg** 1987 Jan;40(1):83–5

Contraction and growth of wounds covered by meshed and non-meshed split thickness skin grafts. Petry JJ, et al. **Br J Plast Surg** 1986 Oct;39(4):478–82

Layered shaving of venous leg ulcers. Quaba AA, et al. **Br J Plast Surg** 1987 Jan;40(1):68–72

A new pressure device for securing skin grafts. Silfverskiold KL. **Br J Plast Surg** 1986 Oct;39(4):567–9

"Tie-over sutures" fixed by staples.Tolhurst DE, et al. **Br J Plast Surg** 1986 Oct;39(4):565–6

The properties and uses of non-expanded machine-meshed skin grafts [letter] Weiss PR. **Br J Plast Surg** 1987 Jul; 40(4):436

Surgery for malignant melanoma: from which limb should the graft be taken? Flook D, et al. **Br J Surg** 1986 Oct; 73(10):793–5

Pinch skin grafting or porcine dermis in venous ulcers: a randomised clinical trial. Poskitt KR, et al. **Br Med J [Clin Res]** 1987 Mar 14;294(6573):674–6

Pinch skin grafting or porcine dermis in venous ulcers [letter] Simpson LO. **Br Med J [Clin Res]** 1987 May 23; 294(6583):1352–3

Pinch skin grafting or porcine dermis in venous ulcers [letter] Simpson LO. **Br Med J [Clin Res]** 1987 Jul 4;295(6589):53–4

Focal circumvention of blood–brain barrier with grafts of muscle, skin and autonomic ganglia. Wakai S, et al. **Brain Res** 1986 Oct 29;386(1–2):209–22

Cultured epithelium as a skin substitute. Eldad A, et al. **Burns Incl Therm Inj** 1987 Jun;13(3):173–80

Mesh grafts—an 18 month follow-up. Herd AN, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):57–61

Management of wounds treated by thrombin coagulation. Higuchi D, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):75–6

Face burn reconstruction—does early excision and autografting improve aesthetic appearance? Hunt JL, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):39–44

Combined use of topical cyclosporin A and silver sulphadiazine on allografts infected with Pseudomonas in burned rats. Lai CS, et al. **Burns Incl Therm Inj** 1987 Jun; 13(3):181–4

Treatment of the burned hand: early surgical treatment (1975–85) vs. conservative treatment (1964–74). A comparative study. Mahler D, et al. **Burns Incl Therm Inj** 1987 Feb;13(1):45–8

Management of lower limb burns using suspension of the leg by means of ASIF bone screws. An analysis of the results. Vloemans AF, et al. **Burns Incl Therm Inj** 1987 Jun;13(3):245–7

Monoclonal antibody analysis of skin in chronic murine graft vs host disease produced across minor histocompatibility barriers. Giorno R, et al. **Cell Immunol** 1987 Apr 15;

106(1):76–87
Induction of tolerance via skin depleted of Langerhans cells by a chemical carcinogen. Halliday GM, et al. **Cell Immunol** 1986 Apr 15;99(1):220–7
The prevention of adhesions after laminectomy. Adverse results of Zenoderm implantations into laminectomy sites in rabbits. Boot DA, et al. **Clin Orthop** 1987 Feb; (215):296–302
Acceptance of a connective tissue equivalent for grafting and capsuloligamentary reconstruction. Chamson A, et al. **Clin Physiol Biochem** 1986;4(5):281–4
Foot reconstruction using free microvascular muscle flaps with skin grafts. May JW Jr, et al. **Clin Plast Surg** 1986 Oct;13(4):681–9
Complications of adjacent grafting. Grumbine NA. **Clin Podiatr Med Surg** 1986 Oct;3(4):749–67
Allogeneic transplantation of normal epidermal cells and squamous cell carcinomas in SENCAR mice. Conti CJ, et al. **Environ Health Perspect** 1986 Sep;68:125–9
Description of and treatment to inhibit the rejection of human split-thickness skin grafts by congenitally athymic (nude) rats. Gilhar A, et al. **Exp Cell Biol** 1986;54(5–6):263–74
The vascularization of artificial skin grafts in rats: its modification by protamine. Ehrlich HP, et al. **Exp Mol Pathol** 1986 Aug;45(1):68–75
Cyclosporine resistant effector cells in rabbit skin allografts. Gratwohl A, et al. **Experientia** 1987 Aug 15;43(8):910–2
The effect of a single transfusion of allogeneic or xenogeneic blood on skin allograft survival in mice. Kubera M. **Folia Biol (Krakow)** 1987;35(1–2):69–77
Differences in the prolongation of skin graft survival by pretransplant blood injections in the model system of congenic lines of chickens. Vilhelmová M. **Folia Biol (Praha)** 1987;33(2):114–29
Recurrent carcinoma in situ of the vagina following split-thickness skin graft vaginoplasty. Gallup DG, et al. **Gynecol Oncol** 1987 Jan;26(1):98–102
Autologous lymphoid cells exposed to recombinant interleukin-2 in vitro in the absence of antigen can induce the rejection of long-term tolerated skin allografts. Loveland B, et al. **Immunology** 1986 Sep;59(1):159–61
Modulatory effect of prostaglandin E2 on the immune response in mice, with special reference to anti-sperm immunity. Bratanov K, et al. **Int J Fertil** 1986 Sep–Oct; 31(4):305–10
Decrease of mononuclear phagocyte cell functions and prolongation of graft survival in experimental transplantation by (+/–)-15-deoxyspergualin. Dickneite G, et al. **Int J Immunopharmacol** 1987;9(5):559–65
Preprosthetic mandibular vestibuloplasty with split-skin graft. A 2-year follow-up study. Hillerup S. **Int J Oral Maxillofac Surg** 1987 Jun;16(3):270–8
Suppressed cellular cytotoxic response in rats bearing skin implants in the anterior chamber of the eye. Grogan JB. **Invest Ophthalmol Vis Sci** 1987 Aug;28(8):1390–6
Skin grafts in the surgical treatment of incisional hernias. Navarrini GC, et al. **Ital J Surg Sci** 1987;17(1):49–53
Keratinocyte grafting in epidermolysis bullosa [editorial] Bauer EA. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):300–1
Toxic epidermal necrolysis: an approach to management using cryopreserved allograft skin. Birchall N, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):368–72
Treatment of junctional epidermolysis bullosa with epidermal autografts. Carter DM, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):246–50
Controlled double-blind trial of fibrinolysin-desoxyribonuclease (Elase) solution in patients with chronic leg ulcers who are treated before autologous skin grafting. Westerhof W, et al. **J Am Acad Dermatol** 1987 Jul;17(1):32–9
Burow's grafts. Zitelli JA. **J Am Acad Dermatol** 1987 Aug; 17(2 Pt 1):271–9
The use of large pinch graft technique in a traumatic foot wound. A case report. Baerg R, et al. **J Am Podiatr Med Assoc** 1987 Feb;77(2):92–5
Immunosuppressive activities of 15-deoxyspergualin in animals. Nemoto K, et al. **J Antibiot (Tokyo)** 1987 Apr; 40(4):561–2
Blastogenic responses and the release of interleukins 1 and 2 by spleen cells obtained from rat skin allograft recipients administered with 15-deoxyspergualin. Nemoto K, et al. **J Antibiot (Tokyo)** 1987 Jul;40(7):1062–4
Technical aids for dermabrasion. Alt TH. **J Dermatol Surg Oncol** 1987 Jun;13(6):638–48
Comparison of cosmesis following healing by surgical closure and second intention. Ellner KM, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):1016–20
Refinements in split-thickness skin grafting technique. Glogau RG, et al. **J Dermatol Surg Oncol** 1987 Aug; 13(8):853–8
The evolution of skin graft reconstruction. Hill TG. **J Dermatol Surg Oncol** 1987 Aug;13(8):834–5 (32 ref.)
Contouring of donor skin in full-thickness skin grafting. Hill TG. **J Dermatol Surg Oncol** 1987 Aug;13(8):883–8
Skin grafting: perioperative technique and management. Salasche SJ, et al. **J Dermatol Surg Oncol** 1987 Aug; 13(8):863–9
Techniques for split-thickness skin grafting. Skouge JW. **J Dermatol Surg Oncol** 1987 Aug;13(8):841–9
Treatment for pitted acne scarring—postauricular punch grafts followed by dermabrasion. Solotoff SA. **J Dermatol Surg Oncol** 1986 Oct;12(10):1079–84
The technique and current status of pinch grafting. Wheeland RG. **J Dermatol Surg Oncol** 1987 Aug;13(8):873–80
Surgical treatment of speckled skin caused by dyschromatosis symmetrica hereditaria—case report. Taki T, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):471–3
Factors influencing autograft taking in burns. el-Nagar M, et al. **J Egypt Public Health Assoc** 1985;60(5–6):309–34
Pseudofolliculitis barbae with keloids. Edlich RF, et al. **J Emerg Med** 1986;4(4):283–6
Phenotype, specificity, and function of T cell subsets and T cell interactions involved in skin allograft rejection. Rosenberg AS, et al. **J Exp Med** 1987 May 1; 165(5):1296–315
T cell-derived factor alone or in combination with immunosuppressive drugs augments prolongation of allogeneic skin graft survival in mice receiving donor-specific transfusion. Gorczynski RM, et al. **J Immunol** 1987 May 15;138(10):3197–202
Effects of monoclonal anti-H-2Ld and anti-H-2Dd alloantibodies in the immunological enhancement of skin grafts and neonatal heart grafts in the mouse. Lems SP, et al. **J Immunol** 1987 Apr 1;138(7):2082–7
Prolongation of murine skin allograft survival by the systemic effects of 8-methoxypsoralen and long-wave ultraviolet radiation (PUVA). Granstein RD, et al. **J Invest Dermatol** 1987 Apr;88(4):424–9
A histologic study on the fate of intradermally implanted epidermal cells in guinea pigs: a new method for evaluation of skin allograft survival. Nakagawa S, et al. **J Invest Dermatol** 1987 Sep;89(3):234–7
Epithelial inclusion cyst in the temporomandibular joint after a dermal graft. Bonnington G, et al. **J Oral Maxillofac Surg** 1987 Aug;45(8):705–7
Tissue expansion reconstruction of soft tissue avulsions of the face: report of two cases. Cook HE, et al. **J Oral Maxillofac Surg** 1987 Apr;45(4):362–70
Autogenous dermal grafts for repair of temporomandibular joint disc perforations. Tucker MR, et al. **J Oral Maxillofac Surg** 1986 Oct;44(10):781–9
Assessment of the guinea pig's middle ear cell-mediated response using the mixed lymphocyte response (MLR). Cormier R, et al. **J Otolaryngol** 1987 Mar;16(2):67–70
Closure of gastroschisis by mesh skin grafts in problem cases. Anderl H, et al. **J Pediatr Surg** 1986 Oct;21(10):870–2
Esophageal atresia and ante-thoracic skin tube esophageal conduits: squamous cell carcinoma in the conduit 44 years following surgery. LaQuaglia MP, et al. **J Pediatr Surg** 1987 Jan;22(1):44–7
A radiographic analysis of a mandibular anterior vestibuloplasty with free skin graft. Watson CJ. **J Prosthet Dent** 1987 Sep;58(3):374–9
Reflection photometry of oxygen supply of skin flaps and replanted fingers. Keller H, et al. **J Reconstr Microsurg** 1986 Jul;2(4):241–5
Depressed host response to skin implants in the anterior chamber of the eye. Subba Rao DS, et al. **J Surg Res** 1986 Dec;41(6):636–44
Scar carcinoma arising acutely in a skin graft donor site. Hammond JS, et al. **J Trauma** 1987 Jun;27(6):681–3
Determinants of mortality in pediatric patients with greater than 70% full-thickness total body surface area thermal injury treated by early total excision and grafting. Herndon DN, et al. **J Trauma** 1987 Feb;27(2):208–12
Grafting of cultured allogeneic epidermis on second- and third-degree burn wounds on 26 patients. Madden MR, et al. **J Trauma** 1986 Nov;26(11):955–62
Biosynthetic skin substitute versus frozen human cadaver allograft for temporary coverage of excised burn wounds. Purdue GF, et al. **J Trauma** 1987 Feb;27(2):155–7
Transplantation of the prepuce to facilitate hypospadias repair in monozygotic twins. Donovan J, et al. **J Urol** 1986 Nov;136(5):1077–9
Experience with free grafts in urethral reconstruction. Vyas PR, et al. **J Urol** 1987 Mar;137(3):471–4
Microscopic split-skin grafts: a new technique for 30-fold expansion. Blair SD, et al. **Lancet** 1987 Aug 29; 2(8557):483–4
HIV transmission and skin grafts [letter] Clarke JA. **Lancet** 1987 Apr 25;1(8539):983
Cultured skin for burn injury [letter] Clarke JA, et al. **Lancet** 1986 Oct 4;2(8510):809
Short-term cyclosporin and meshed allograft in burns [letter] Frame JD. **Lancet** 1987 Jan 17;1(8525):154–5
Allografts as vectors of infection [letter] Lawrence JC. **Lancet** 1987 Jun 6;1(8545):1318
The use of the mesher to improve split-thickness skin graft survival. Colman MF, et al. **Laryngoscope** 1987 Feb; 97(2):239–40
Tips on septal dermoplasty. Goldsmith MM, et al. **Laryngoscope** 1987 Aug;97(8 Pt 1):994–5
Sensory reinnervation and sensibility in skin transplants. Hermanson A, et al. **Med Biol** 1987;65(1):49–52
Neuroanatomical evidence of reinnervation in primate allografted (transplanted) skin during cyclosporine immunosuppression. Samulack DD, et al. **Neurosci Lett** 1986 Dec 3;72(1):1–6
Autogenous dermis-fat "baseball" orbital implantBullock JD. **Ophthalmic Surg** 1987 Jan;18(1):30–6
Macrocystic enlargement of orbital dermis-fat grafts. Patrinely JR, et al. **Ophthalmic Surg** 1987 Jul;18(7):498–502
Histologic fate of dermal grafts following implantation for temporomandibular joint meniscal perforation: a preliminary study. Stewart HM, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):481–5
Pyoderma gangrenosum: skin grafting after preparation with hyperbaric oxygen. Davis JC, et al. **Plast Reconstr Surg** 1987 Feb;79(2):200–7
Skin graft from a scalp flap. Fang K, et al. **Plast Reconstr Surg** 1987 Apr;79(4):622–4
Surgical scar camouflage in donor site for composite earlobe graft. Guerrerosantos J. **Plast Reconstr Surg** 1987 Jul; 80(1):125–8
Proper surgical treatment of Bowen's carcinoma [letter] Hill TG. **Plast Reconstr Surg** 1987 Jun;79(6):1008
Long-term survival of a free split-thickness skin graft on a large seroma. Koyama H, et al. **Plast Reconstr Surg** 1987 Jan;79(1):109–13
Survival of a nonadhering skin graft [letter] Shafir R, et al. **Plast Reconstr Surg** 1987 Sep;80(3):471
Endogenous retroviruses lead to the expression of a histocompatibility antigen detectable by skin graft rejection. Colombo MP, et al. **Proc Natl Acad Sci USA** 1987 Jan;84(1):189–93
Skin graft and kidney transplantation in rats. Relation between circulatory condition of the transplanted organ and histocompatibility. Numata M. **Res Exp Med (Berl)** 1986;186(6):443–8
Quantification of texture match of the skin graft: function and morphology of the stratum corneum. Inoue K, et al. **Scand J Plast Reconstr Surg** 1986;20(1):31–5
The regeneration of adrenergic nerves in a free microvascular groin flap in the rat. Lähteenmäki T. **Scand J Plast Reconstr Surg** 1986;20(2):183–8
Clinical experience and complications with fasciocutaneous flaps. Tolhurst DE. **Scand J Plast Reconstr Surg** 1986; 20(1):75–8
Early burn excision and grafting. Heimbach DM. **Surg Clin North Am** 1987 Feb;67(1):93–107 (27 ref.)
A simple technique for improving the cosmesis of excision of a melanoma and skin grafting. Hodgson KJ, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):491–2
Augmentation of experimental skin flap survival via postoperative phosphocreatine replacement. Cuono CB, et al. **Surgery** 1987 Aug;102(2):263–8
Test of prolongation of skin graft survival by blood injections provides evidence for presence of a new histocompatibility locus in the B-G region of chicken MHC. Vilhelmová M. **Tissue Antigens** 1987 Feb;29(2):83–92
Genetic control of permanently accepted allografts. Adelmann A, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):890–3
Effect of skin grafts on pancreatic islet cell allografts in the renal subcapsular space. Amiel J, et al. **Transplant Proc** 1987 Feb;19(1 Pt 3):2368–71
Effect of Lyt-2 mAb on murine skin graft survivals. Ichikawa T, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):579–81
Cyclosporine dosage requirements for rabbit skin allograft enhancement due to perioperative blood transfusion and cyclosporine synergy. Masendycz PJ, et al. **Transplant Proc** 1987 Apr;19(2):2895–7
Attenuation of immunologic memory in canine recipients hyperimmunized with DLA-specific alloantigens. Rapaport FT, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):464–8
Mechanism of tolerance in rat liver transplantation: evidence for the existence of suppressor cells. Tsuchimoto S, et al. **Transplant Proc** 1987 Feb;19(1 Pt 1):514–8
The role of the thymus in regulating tolerance to self and nonself. Tutschka PJ. **Transplant Proc** 1987 Feb;19(1 Pt 1):486–9
Effect of posttransplantation administration of peripheral blood lymphocytes in skin-grafted mice treated with antilymphocyte serum or antilymphocyte serum plus bone marrow. De Fazio SR, et al. **Transplantation** 1987 Jul; 44(1):70–5
An immunohistological study of the revascularization process in human skin transplanted onto the nude mouse. Demarchez M, et al. **Transplantation** 1987 Jun; 43(6):896–903
Thoracic-duct-to-esophagus shunt [letter] Dumont AE. **Transplantation** 1987 Feb;43(2):320
Alternate-day cyclosporine. Allograft and antibody immunosuppression. Friedman EA, et al. **Transplantation** 1987 Mar;43(3):457–8
Lack of tolerance to donor-strain skin grafts in mice with established islet allografts. Gores DF, et al. **Transplantation** 1987 May;43(5):749–50
Prolonged minor allograft survival in intravenously primed mice—a test of the veto hypothesis. Johnson LL. **Transplantation** 1987 Jul;44(1):92–7
Long-term survival of skin allografts in rats treated with topical cyclosporine. Lai CS, et al. **Transplantation** 1987 Jul;44(1):83–7
Different specificities of cloned T cells assessed by in vitro proliferation assays and by the ability to mediate skin graft rejection in vivo. Lynch DH, et al. **Transplantation** 1987 Mar;43(3):408–11
Hyperthermia for treatment of human split-thickness skin. Differential effects on HLA-DR-expressing cells and keratinocytes. Morhenn VB. **Transplantation** 1987 Aug; 44(2):280–6
Induction of cutaneous graft-versus-host disease by allo- or self-Ia-reactive helper T cells in mice. Shiohara T, et al. **Transplantation** 1987 May;43(5):692–8

The role of T4+ and Ly-2+ cells in skin graft rejection in the mouse. Wheelahan J, et al. **Transplantation** 1987 Aug; 44(2):273–80

Ultrastructural studies of cultured human epithelial sheets used as skin allografts. Kanitakis J, et al. **Virchows Arch [A]** 1987;410(6):523–30

Prolongation of skin allograft survival in mice after pretreatment with an extract of human platelets in combination with donor antigen. Bundschuh G. **Z Exp Chir Transplant Kunstliche Organe** 1987;20(3):171–6

[Estriol changes in the serum and urine of pregnant women with habitual abortions and skin grafts] Despodova Ts, et al. **Akush Ginekol (Sofiia)** 1987;26(2):17–22 (Eng. Abstr.) **(Bul)**

[Selection of the dermatome in the free transplantation of skin] Vŭglenova E. **Khirurgiia (Sofiia)** 1986;39(5):27–9 (Eng. Abstr.) **(Bul)**

[Potential donor sites in the surgical treatment of burns] Vŭglenova E. **Khirurgiia (Sofiia)** 1986;39(4):29–31 (Eng. Abstr.) **(Bul)**

[Nursing care of patients with whole-piece and full-thickness facial skin grafts] Zhou YS, et al. **Chung Hua Hu Li Tsa Chih** 1986 Oct;21(7):310 **(Chi)**

[The comparison of the healing process between full thickness skin graft and the preserved subdermal vascular network of skin grafts] Bu BH. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 May;21(3):134–6, 190 (Eng. Abstr.) **(Chi)**

[Microskin grafting in animal experiments and clinical practice] Zhang ML, et al. **Chung Hua Wai Ko Tsa Chih** 1986 Apr;24(4):219–21, 253–4 (Eng. Abstr.) **(Chi)**

[Problems with early transplantation in severe burns] Königová R. **Rozhl Chir** 1986 Dec;65(12):794–6 (Eng. Abstr.) **(Cze)**

[The importance of corium grafts in reconstruction of recurrent postoperative hernias] Kubáček V. **Rozhl Chir** 1986 Oct;65(10):687–90 (Eng. Abstr.) **(Cze)**

[Use of Duoderm in the treatment of skin graft donor sites. Comparative study of Duoderm and tulle gras] Champsaur A, et al. **Ann Chir Plast Esthet** 1986;31(3):273–8 (Eng. Abstr.) **(Fre)**

[Culture of the human epidermis. Use as an autograft in burn patients] Gangolphe M, et al. **Ann Chir Plast Esthet** 1987; 32(1):38–41 (Eng. Abstr.) **(Fre)**

[Skin flap with an induced arteriovenous pedicle: an experimental study] Martinot Duquennoy V, et al. **Ann Chir Plast Esthet** 1986;31(3):291–5 (Eng. Abstr.) **(Fre)**

[Use of the Duoderm dressing in the healing of graft donor sites in burned patients. Apropos of 20 cases] Perrot J, et al. **Ann Chir Plast Esthet** 1986;31(3):279–82 (Eng. Abstr.) **(Fre)**

[Human epidermis grown in in vitro culture is not rejected and may be used as a skin allograft] Thivolet J, et al. **Bull Acad Natl Med (Paris)** 1986 Apr;170(4):557–62 (Eng. Abstr.) **(Fre)**

[Dermo-adipose grafts in the repair of orbital cavities] Pellissier de Feligнole, et al. **Bull Soc Ophtalmol Fr** 1987 Jan;87(1):75–6 **(Fre)**

[Dermo-fat grafts in the reconstruction of the orbital cavity. Indications—results] Varène B, et al. **Bull Soc Ophtalmol Fr** 1985 Nov;85(11):1251–4 (Eng. Abstr.) **(Fre)**

[Introduction of a disposable dermatome] Sanchez F, et al. **Phlebologie** 1986 Oct–Dec;39(4):963–7 (Eng. Abstr.) **(Fre)**

[4th working seminar of the Dermatosurgical Section of the East Germany Dermatology Society. 29 November 1985, Berlin. Abstracts] **Dermatol Monatsschr** 1986;172(9):560–7 **(Ger)**

[Initial clinical experience using Dermodress, a new temporary biological skin substitute] Walter M, et al. **Langenbecks Arch Chir** 1987;370(3):155–61 (Eng. Abstr.) **(Ger)**

[Temporary wound closure in burns] Zellner R. **Langenbecks Arch Chir** 1987;370(3):153 **(Ger)**

[Reconstruction of large oral cavity defects using a microvascular anastomosed forearm flap] Drommer RB. **Schweiz Monatsschr Zahnmed** 1986 Jun;96(6):774–8 (Eng. Abstr.) **(Ger)**

[Mixed freeze preserved heterologous/autologous full-thickness transplants following 3d degree burns in animal experiments] Bäumer F, et al. **Unfallchirurgie** 1986 Oct;12(5):231–3 (Eng. Abstr.) **(Ger)**

[New possibilities for reducing transplant immunogenicity by influencing the antigen-presenting cells—results of basic immunologic research] Gruner S, et al. **Z Exp Chir Transplant Kunstliche Organe** 1986;19(6):349–51 **(Ger)**

[Cultivated epidermis as a skin replacement—improved technics using mesh silastic sheets] Auböck J, et al. **Z Hautkr** 1987 Apr 1;62(7):550–61 (Eng. Abstr.) **(Ger)**

[Epidermal cell cultures—significance for wound coverage in the human] Bonnekoh B, et al. **Z Hautkr** 1986 Oct 15; 61(20):1433–42 (Eng. Abstr.) **(Ger)**

[Does the anesthesia method modify the results of dermatologic surgery of the nose?] Vanscheidt W, et al. **Z Hautkr** 1987 Jul 1;62(13):998–1000, 1003–4 (Eng. Abstr.) **(Ger)**

[Unusual form of acne conglobata (acne triad) and its surgical management] Hrabovszky T, et al. **Orv Hetil** 1987 Jun 21; 128(25):1317–22 (Eng. Abstr.) **(Hun)**

[A case of full thickness chest wall resection reconstructed with Marlex polyethylene mesh, transposed omentum and a split-skin-graft in local recurrence breast cancer] Kuwabara Y, et al. **Kyobu Geka** 1986 Sep;39(9):743–7 (Eng. Abstr.) **(Jpn)**

[Free full-thickness skin graft for one-stage hypospadias repair] Tanikaze S, et al. **Nippon Hinyokika Gakkai Zasshi** 1987 Jan;78(1):71–5 (Eng. Abstr.) **(Jpn)**

[Contrary action of khingamin on the rejection of a skin allograft and on the level of antibody-producing cells in mice] Gamburg LIu, et al. **Biull Eksp Biol Med** 1987 Jun; 103(6):727–30 (Eng. Abstr.) **(Rus)**

[Depressing effect of IgE anaphylaxis on allograft rejection in mice] Ionov ID. **Izv Akad Nauk SSSR [Biol]** 1987 Jan–Feb;(1):142–5 (Eng. Abstr.) **(Rus)**

[Cutaneo-plastic surgery of finger injuries at a trauma center] Stepanov AV, et al. **Khirurgiia (Mosk)** 1986 Nov;(11):43–5 (Eng. Abstr.) **(Rus)**

[New skin-fatty tissue flap for free plastic repair in deep burns and frostbite] Vikhriev BS, et al. **Klin Khir** 1987;(3):34–6 (Eng. Abstr.) **(Rus)**

[Treatment large ventral and postoperative hernias by the technic of autodermal plasty] Zheleznyi VN, et al. **Klin Khir** 1987;(2):22–3 (Eng. Abstr.) **(Rus)**

[Method of preserving a scalped finger] Iudkevich GL. **Sov Med** 1986;(11):31–2 (Eng. Abstr.) **(Rus)**

[Autodermoplasty in diseases of the perineum and sacrococcygeal area] Sakhautdinov VG, et al. **Sov Med** 1986;(11):72–4 **(Rus)**

[Combined autoallodermatoplasty in the treatment of severely burned patients] Vikhriev BS, et al. **Vestn Khir** 1986 Nov;137(11):138–40 (41 ref.) **(Rus)**

[Use of free skin grafts for additional strengthening of bronchial stumps] Sardak VG, et al. **Vrach Delo** 1987 Feb; (2):29–32 (Eng. Abstr.) **(Rus)**

[Advantages of using the semi-open method in the care of the donor region in partial thickness skin transplantation] Hadžić Z, et al. **Vojnosanit Pregl** 1987 Jan–Feb;44(1):33–7 **(Scr)**

[Skin autografts obtained for in vitro culture of epidermal cells] Kuri-Harcuch W, et al. **Rev Invest Clin** 1987 Jan–Mar;39(1):5–9 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Farber's disease in two siblings, sural nerve and subcutaneous biopsies by light and electron microscopy. Pellissier JF, et al. **Acta Neuropathol (Berl)** 1986;72(2):178–88

Ultrastructural findings of rectal and skin biopsies in adult GM1-gangliosidosis. Ikeda S, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1823–31

Lipid storage disease: Part III. Ultrastructural evaluation of cultured fibroblasts in sphingolipidoses. Takahashi K, et al. **Acta Pathol Jpn** 1987 Feb;37(2):261–72

Comparative ultrastructural study of generalized and localized granuloma annulare. Friedman-Birnbaum R, et al. **Am J Dermatopathol** 1986 Aug;8(4):302–8

Epidermolysis bullosa acquisita. Direct immunofluorescence and ultrastructural studies. Medenica-Mojsilović L, et al. **Am J Dermatopathol** 1987 Aug;9(4):324–33

Microanatomy of the dermis in relation to relaxed skin tension lines and Langer's lines. Piérard GE, et al. **Am J Dermatopathol** 1987 Jun;9(3):219–24

New observations on cutaneous firearm wounds. Torre C, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):186–91

Actin filaments in normal dermis and during wound healing. Doillon CJ, et al. **Am J Pathol** 1987 Jan;126(1):164–70

The diagnostic value of ultrastructural studies of skin-punch biopsies and buffy coat for the early diagnosis of some neurodegenerative diseases. Wisniewski KE. **Ann NY Acad Sci** 1986;477:285–311

The CHILD syndrome. Histologic and ultrastructural studies. Hebert AA, et al. **Arch Dermatol** 1987 Apr; 123(4):503–9

New techniques of demonstrating lymph vessels in skin biopsy specimens and intact skin with the scanning electron microscope. Berens von Rautenfeld D, et al. **Arch Dermatol Res** 1987;279(5):327–34

Juvenile xanthogranuloma. Ultrastructural and immunocytochemical studies. Seo IS, et al. **Arch Pathol Lab Med** 1986 Oct;110(10):911–5

Major differences between lung, skin and liver in the microsomal metabolism of homologous series of resorufin and coumarin ethers. Rettie AE, et al. **Biochem Pharmacol** 1986 Oct 15;35(20):3495–500

A case of multicentric reticulohistiocytosis: uncommon clinical signs and a report of T-cell marker characteristics. Green CA, et al. **Br J Dermatol** 1986 Nov;115(5):623–8

Demonstration of a unique viral structure: the molluscum viral colony sac. Shelley WB, et al. **Br J Dermatol** 1986 Nov;115(5):557–62

Immunopathological and ultrastructural findings in human allergic and irritant contact dermatitis. Willis CM, et al. **Br J Dermatol** 1986 Sep;115(3):305–16

The effect of beta,beta'-iminodipropionitrile (IDPN) on cytoskeletal organization in cultured human skin fibroblasts. Durham HD. **Cell Biol Int Rep** 1986 Aug; 10(8):599–610

Is the hemidesmosome a half desmosome? An immunological comparison of mammalian desmosomes and hemidesmosomes. Jones JC, et al. **Cell Motil Cytoskeleton** 1986;6(5):560–9

The role of basophils and mast cells in cutaneous basophil hypersensitivity reaction. Kishimoto T, et al. **Clin Exp Immunol** 1987 Mar;67(3):611–6

In vitro hyperdiploidy in dermal fibroblasts: evidence for genetic predisposition in aerodigestive tract cancer. Danes BS, et al. **Clin Genet** 1987 Jan;31(1):25–34

Ultrastructural organization of skin: classification on the basis of mechanical role. Craig AS, et al. **Connect Tissue Res** 1987;16(3):213–23

Interaction of human liver connective tissue cells, skin fibroblasts and smooth muscle cells with collagen gels. Monteiro AN, et al. **Hepatology** 1987 Jul–Aug;7(4):665–71

Electron microscopy as a means for carrier detection and genetic counselling in families at risk of tuberous sclerosis. Hausser I, et al. **Hum Genet** 1987 May;76(1):73–80

Pathologic features of diabetic thick skin. Hanna W, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):546–53

Lipoid proteinosis: ultrastructural and biochemical studies. Moy LS, et al. **J Am Acad Dermatol** 1987 Jun; 16(6):1193–201

Cutaneous ultrastructural changes and photosensitivity associated with amiodarone therapy. Waitzer S, et al. **J Am Acad Dermatol** 1987 Apr;16(4):779–87

Nuclear enlargement produced in mouse skin by carcinogenic mineral oils. Ingram AJ, et al. **J Appl Toxicol** 1987 Aug; 7(4):289–95

Transformations in the structure of the cytoplasmic ground substance in erythrophores during pigment aggregation and dispersion. I. A study using whole-cell preparations in stereo high voltage electron microscopy. Byers HR, et al. **J Cell Biol** 1977 Nov;75(2 Pt 1):541–58

Type VII collagen forms an extended network of anchoring fibrils. Keene DR, et al. **J Cell Biol** 1987 Mar;104(3):611–21

Minocycline-related cutaneous hyperpigmentation as demonstrated by light microscopy, electron microscopy and X-ray energy spectroscopy. Argenyi ZB, et al. **J Cutan Pathol** 1987 Jun;14(3):176–80

Ultrastructural study of the histogenesis of membranocystic lesions (Nasu) in diabetics. Sueki H, et al. **J Cutan Pathol** 1986 Oct;13(5):390–401

Lamellar bodies in hyperkeratosis lenticularis perstans. Tidman MJ, et al. **J Cutan Pathol** 1987 Aug;14(4):207–11

Ultrastructure of deep wrinkles in the elderly. Tsuji T. **J Cutan Pathol** 1987 Jun;14(3):158–64

The morphological details of globular keratohyalin granules. Westerhof W, et al. **J Cutan Pathol** 1986 Oct;13(5):375–82

Ultrastructural observations of skin lesions in MRL mice—dermal infiltrations and capillary changes. Horiguchi Y, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):440–7

Fine structural arrangement of fibrous stroma around dermal capillaries. Imayama S, et al. **J Dermatol (Tokyo)** 1987 Apr; 14(2):106–11

The localization of laminin, fibronectin, and lectin-binding sites on the epidermal basal lamina. Osawa T. **J Electron Microsc (Tokyo)** 1986;35(3):259–71

Rat hair follicle dermal papillae have an extracellular matrix containing basement membrane components. Couchman JR. **J Invest Dermatol** 1986 Dec;87(6):762–7

Neonatal foreskin substrate has limitations for the immunofluorescent screening of monoclonal antibodies. Woodley DT, et al. **J Invest Dermatol** 1987 Feb; 88(2):167–71

Developments of new Lowicryl resins for embedding biological specimens at even lower temperatures. Acetarin JD, et al. **J Microsc** 1986 Jul;143 (Pt 1):81–8

Measurement of increased uptake of osmium in skin and in a gelatin model 'tissue' treated with tannic acid. Caceci T, et al. **J Microsc** 1987 Jul;147 (Pt 1):109–14

Ultrastructural study of Letterer-Siwe disease in three infants, one complicated by pneumocystosis. Chaudhry AP, et al. **J Oral Med** 1983 Apr–Jun;38(2):47–55

Ultrastructural changes in eczema. Dobrescu G, et al. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):123–6

Ultrastructure of ultraviolet radiation-induced hairless mouse skin carcinogenesis, with special reference to the epidermal-dermal junction. Canfield PJ, et al. **Pathology** 1986 Jul;18(3):337–44

A comparative scanning electron microscopic view of the integument of domestic mammals. Meyer W, et al. **Scanning Microsc** 1987 Mar;1(1):169–80

Assembly and alignment of fibronectin-coated gold beads into fibrils by human skin fibroblasts. Peters DM, et al. **Scanning Microsc** 1987 Jun;1(2):757–63

Overview article: basal lamina of epidermis, muscle fibers, muscle capillaries, and renal tubules: changes with aging and in diabetes mellitus. Vracko R, et al. **Ultrastruct Pathol** 1980 Oct–Dec;1(4):559–74

[Clinical and ultrastructural study on psoriasis treated by indirubin] Yuan ZZ, et al. **Chung Hua I Hsueh Tsa Chih** 1987 Jan;67(1):7–8 (Eng. Abstr.) **(Chi)**

[Dermo-epidermal junction] Claudy AL. **Ann Dermatol Venereol** 1986;113(11):1161–6 (39 ref.) **(Fre)**

[Ultrastructure of lichen aureus] Geiger JM, et al. **Ann Dermatol Venereol** 1986;113(11):1123–7 **(Fre)**

[Congenital diffuse melanosis] Kint A, et al. **Ann Dermatol Venereol** 1987;114(1):11–6 (Eng. Abstr.) **(Fre)**

[Connective tissue papillae and proliferative epithelial units]

Piérard GE. **Ann Dermatol Venereol** 1987;114(5):717–9 **(Fre)**

[Biological behavior of Sarcoptes scabiei var. suis in swine epidermis. A scanning electron microscopy study in hyperkeratotic (or Norwegian) scabies of swine] Van Neste D, et al. **Ann Dermatol Venereol** 1986;113(5):435–40 (Eng. Abstr.) **(Fre)**

[Increased retraction of collagen lattices by fibroblasts from patients with scleroderma] Gillery P, et al. **C R Acad Sci [III]** 1986;303(3):59–64 (Eng. Abstr.) **(Fre)**

[Cutaneous leishmaniasis: description of a case and ultrastructural study] Montaguti A, et al. **Pathologica** 1986 Jul–Aug;78(1056):479–88 (Eng. Abstr.) **(Ita)**

[Electron microscopic studies in piebaldism: report of two cases] Fukai K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug;96(9):897–904 **(Jpn)**

[Light and electron microscopic immunohistochemistry of solar elastosis: a study with cutis rhomboidalis nuchae] Matsuda M. **Nippon Hifuka Gakkai Zasshi** 1987 Jan; 97(1):47–60 **(Jpn)**

[A case of dysplastic nevi associated with nodular melanoma. II. Electron microscopic observations] Sato S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1157–66 **(Jpn)**

[Ultrastructural aspects of fibroblasts and macrophages during the healing process in the skin of rats] Simões M de J, et al. **Rev Paul Med** 1986 May–Jun;104(3):132–5 (Eng. Abstr.) **(Por)**

[Ultrastructural aspects of the reticular dermis in various ages after birth] Simões M de J, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):293–6 (Eng. Abstr.) **(Por)**

[Electron microscopic and histochemical aspects of the histogenesis and diagnosis of undifferentiated squamous cell carcinoma of the skin] Korkmazov BM. **Arkh Patol** 1986; 48(10):60–7 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the skin in fatal electrical trauma] Nikolenko LP, et al. **Biull Eksp Biol Med** 1986 Oct; 102(10):493–5 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the skin of patients following the irradiation of head and neck tumors] Delektorskiĭ VV, et al. **Stomatologiia (Mosk)** 1986 Sep–Oct;65(5):29–31 (Eng. Abstr.) **(Rus)**

[Electron microscopy changes in the skin after administration of organophosphate pesticides] Fedorov SM, et al. **Vestn Dermatol Venerol** 1987;(5):24–8 (Eng. Abstr.) **(Rus)**

[Electron-microscopic study of Hailey-Hailey chronic familial benign pemphigus] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1987;(1):4–8 (Eng. Abstr.) **(Rus)**

[Scanning electron microscopy in vitiligo] Vaisov ASh, et al. **Vestn Dermatol Venerol** 1987;(4):19–20 (Eng. Abstr.) **(Rus)**

[Sarcoptic scabies in capybaras (Hydrochoerus hidrochaeris L.). Study under scanning electron microscopy] Rivera MA, et al. **Acta Cient Venez** 1986;37(1):89–91 (Eng. Abstr.) **(Spa)**

SKIN ABSORPTION

see related

ADMINISTRATION, TOPICAL

Evidence for dermal absorption as the major route of body entry during exposure of transformer maintenance and repairmen to PCBs. Lees PS, et al. **Am Ind Hyg Assoc J** 1987 Mar;48(3):257–64

Influence of skin site on bioavailability of nitroglycerin ointment in congestive heart failure. Moe G, et al. **Am J Med** 1986 Nov;81(5):765–70

In vivo distribution of linoleic acid in hairless rat skin following topical administration. Roguet R, et al. **Arch Dermatol Res** 1986;278(6):503–6

Regional variation in percutaneous absorption in man: measurement by the stripping method. Rougier A, et al. **Arch Dermatol Res** 1986;278(6):465–9

High plasma urea concentration in babies with lamellar ichthyosis [letter] Garty BZ. **Arch Dis Child** 1986 Dec; 61(12):1245–6

Drug absorption through the skin: a mixed blessing. Rutter N. **Arch Dis Child** 1987 Mar;62(3):220–1

Worker exposure to, and absorption of, cypermethrin during aerial application of an "ultra low volume" formulation to cotton. Chester G, et al. **Arch Environ Contam Toxicol** 1987 Jan;16(1):69–78

Stratum corneum lipid phase transitions and water barrier properties. Golden GM, et al. **Biochemistry** 1987 Apr 21; 26(8):2382–8

Animal models for percutaneous penetration: assessing contamination of the experimental system. Gummer CL, et al. **Br J Dermatol** 1986 Sep;115(3):335–9

Effect of percutaneous absorption of hydrocortisone on adrenocortical responsiveness in infants with severe skin disease. Turpeinen M, et al. **Br J Dermatol** 1986 Oct; 115(4):475–84

In vivo and in vitro dermal penetration of lipophilic and hydrophilic pesticides in mice. Grissom RE Jr, et al. **Bull Environ Contam Toxicol** 1987 Jun;38(6):917–24

Percutaneous absorption of butylparaben from liposomes in vitro. Komatsu H, et al. **Chem Pharm Bull (Tokyo)** 1986 Aug;34(8):3423–30

Prolonged absorption with development of tolerance to toxic effects after cutaneous exposure to nicotine. Benowitz NL, et al. **Clin Pharmacol Ther** 1987 Jul;42(1):119–20

Permeation of nickel salts through human skin in vitro. Fullerton A, et al. **Contact Dermatitis** 1986 Sep;15(3):173–7

Some factors influencing percutaneous absorption of organic solvents. Boman A, et al. **Dev Toxicol Environ Sci** 1986; 12:175–7

Percutaneous absorption and skin sensitization. Okamoto K, et al. **Dev Toxicol Environ Sci** 1986;12:159–68

Skin absorption of chemical contaminants from drinking water while bathing or swimming. Wester RC, et al. **Dev Toxicol Environ Sci** 1986;12:169–74 (6 ref.)

Effect of exercise and heat exposure on percutaneous absorption of methyl salicylate. Danon A, et al. **Eur J Clin Pharmacol** 1986;31(1):49–52

Studies on benzyl acetate. III. The percutaneous absorption and disposition of [methylene-14C]benzyl acetate in the rat. Chidgey MA, et al. **Food Chem Toxicol** 1987 Jul; 25(7):521–5

Absorption through the skin: theory, in vitro techniques and their applications. Dugard PH. **Food Chem Toxicol** 1986 Jun–Jul;24(6–7):749–53

Comparison of penetration and metabolism of [3H]diacetoxyscirpenol, [3H]verrucarin A and [3H]T-2 toxin in skin. Kemppainen BW, et al. **Food Chem Toxicol** 1987 May;25(5):379–86

Percutaneous absorption, metabolism, and hemolytic activity of n-butoxyethanol. Bartnik FG, et al. **Fundam Appl Toxicol** 1987 Jan;8(1):59–70

Evaluation of monkey skin as a model for in vitro percutaneous penetration and metabolism of [3H]T-2 toxin in human skin. Kemppainen BW, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):367–75

The isolated perfused porcine skin flap (IPPSF). I. A novel in vitro model for percutaneous absorption and cutaneous toxicology studies. Riviere JE, et al. **Fundam Appl Toxicol** 1986 Oct;7(3):444–53

The release and percutaneous permeation of anthralin products, using clinically involved and uninvolved psoriatic skin. Wang JC, et al. **J Am Acad Dermatol** 1987 Apr; 16(4):812–21

Percutaneous absorption of 7, 10 14C-benzo[a]pyrene and 7, 12 14C-dimethylbenz[a]anthracene in mice. Sanders CL, et al. **J Environ Pathol Toxicol Oncol** 1986 Sep–Dec; 7(1–2):25–34

Controlled removal of human stratum corneum by pulsed laser. Jacques SL, et al. **J Invest Dermatol** 1987 Jan; 88(1):88–93

Comparison of the in vivo and in vitro percutaneous absorption of a lipophilic molecule (cypermethrin, a pyrethroid insecticide). Scott RC, et al. **J Invest Dermatol** 1987 Aug;89(2):142–6

Use of theoretical partition coefficients determined from solubility parameters to predict permeability coefficients for 5-fluorouracil. Sherertz EF, et al. **J Invest Dermatol** 1987 Aug;89(2):147–51

An experimental skin sandwich flap on an independent vascular supply for the study of percutaneous absorption. Wojciechowski Z, et al. **J Invest Dermatol** 1987 Apr; 88(4):439–46

An approach to reduce the number of skin samples in testing the transdermal permeation of drugs. Langguth P, et al. **J Pharm Pharmacol** 1986 Oct;38(10):726–30

Methods for in vitro percutaneous absorption studies. VII: Use of excised human skin. Bronaugh RL, et al. **J Pharm Sci** 1986 Nov;75(11):1094–7

Percutaneous penetration of nicotinates: in vivo and in vitro measurements. Guy RH, et al. **J Pharm Sci** 1986 Oct; 75(10):968–72

Permeation of mouse skin and silicone rubber membranes by phenols: relationship to in vitro partitioning. Jetzer WE, et al. **J Pharm Sci** 1986 Nov;75(11):1098–103

Dermal penetration enhancement profile of hexamethylenelauramide and its homologues: in vitro versus in vivo behavior of enhancers in the penetration of hydrocortisone. Mirejovsky D, et al. **J Pharm Sci** 1986 Nov;75(11):1089–93

In vivo percutaneous penetration of some organic compounds related to anatomic site in humans: predictive assessment by the stripping method. Rougier A, et al. **J Pharm Sci** 1987 Jun;76(6):451–4

The effect of vehicle on the diffusion of salicylic acid through hairless mouse skin. Sloan KB, et al. **J Pharm Sci** 1986 Aug;75(8):744–9

Drug permeation across the skin: effect of penetrant hydrophilicity. Tojo K, et al. **J Pharm Sci** 1987 Feb; 76(2):123–6

Absorption of indomethacin and its calcium salt through rat skin: effect of penetration enhancers and relationship between in vivo and in vitro penetration. Ogiso T, et al. **J Pharmacobiodyn** 1986 Jun;9(6):517–25

A diffusion-diffusion model for percutaneous drug absorption. Kubota K, et al. **J Pharmacokinet Biopharm** 1986 Aug;14(4):409–39

Skin absorption and cutaneous first pass metabolism of topical steroids: in vitro studies with mouse skin in organ culture. Kao J, et al. **J Pharmacol Exp Ther** 1987 May;241(2):482–7

Percutaneous absorption of the insecticides fenitrothion and aminocarb in rats and monkeys. Moody RP, et al. **J Toxicol Environ Health** 1987;20(1–2):209–18

The epidermal barrier [editorial] **Lancet** 1987 Jun 20; 1(8547):1414

Chemically resistant glove use helps prevent skin contamination. Mansdorf SZ. **Occup Health Saf** 1987 Feb; 56(2):79–83

Absorption and emission spectra of fluorescein in skin [letter] Valencia S, et al. **Plast Reconstr Surg** 1987 Apr;79(4):667–9

Percutaneous organophosphate poisoning. Halle A, et al. **South Med J** 1987 Sep;80(9):1179–81

A physiological pharmacokinetic model for dermal absorption of vapors in the rat. McDougal JN, et al. **Toxicol Appl Pharmacol** 1986 Sep 15;85(2):286–94

Systemic toxicity from subchronic dermal exposure, chemical characterization, and dermal penetration of catalytically cracked clarified slurry oil. Cruzan G, et al. **Toxicol Ind Health** 1986 Dec;2(4):429–44

Percutaneous absorption of anthracene in the rat: comparison of in vivo and in vitro results. Yang JJ, et al. **Toxicol Ind Health** 1986 Dec;2(4):79–84

Percutaneous absorption of benzo[a]pyrene in the rat: comparison of in vivo and in vitro results. Yang JJ, et al. **Toxicol Ind Health** 1986 Dec;2(4):409–16

Percutaneous absorption of anthracene in the rat: comparison of in vivo and in vitro results [published erratum appears in Toxicol Ind Health 1986 Dec;2(4):607] Yang JJ, et al. **Toxicol Ind Health** 1986 Jul;2(1):79–84

Dermal absorption of the antioxidant 4,4'-thiobis(6-tert-butyl-m-cresol) in Sencar mice and Fischer rats. Birnbaum LS, et al. **Toxicol Lett** 1987 Jun; 37(1):13–9

Biological monitoring of a herbicide applied through backpack and vehicle sprayers. Chester G, et al. **Toxicol Lett** 1986 Oct;33(1–3):137–49

A method for preparing mouse skin for assessing in vitro dermal penetration of xenobiotics. Grissom RE Jr, et al. **Toxicol Lett** 1987 May;36(3):251–8

Dermal exposure and urinary metabolite excretion in farmers repeatedly exposed to 2,4-D amine. Grover R, et al. **Toxicol Lett** 1986 Oct;33(1–3):73–83

Pneumotoxicity of butylated hydroxytoluene applied dermally to CD-1 mice. Miyakawa Y, et al. **Toxicol Lett** 1986 Nov;34(1):99–105

Iodine absorption after topical administration. Dela Cruz F, et al. **West J Med** 1987 Jan;146(1):43–5

[Cutaneous absorption of chemicals] Schröder J. **J S Afr Vet Assoc** 1986 Sep;57(3):169–76 (46 ref.) (Eng. Abstr.) **(Afr)**

[Studies on the percutaneous permeability of 3H-TNT] Yu BY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1986 Jul; 20(4):202–4 (Eng. Abstr.) **(Chi)**

[Transcutaneous penetration of a mucopolysaccharide polysulfuric acid ester in the human. A histochemical study] Elling H. **Arzneimittelforschung** 1987 Feb; 37(2):212–3 (Eng. Abstr.) **(Ger)**

[Photoacoustic spectroscopy as a new approach to the determination of the skin penetration of locally applied drugs. Preliminary communication] Kölmel K, et al. **Arzneimittelforschung** 1986 Nov;36(11):1711–2 (Eng. Abstr.) **(Ger)**

[The percutaneous absorption of diclofenac] Riess W, et al. **Arzneimittelforschung** 1986 Jul;36(7):1092–6 (Eng. Abstr.) **(Ger)**

[In vitro studies on the permeation of ethylene oxide through human skin] Baumbach N, et al. **Dermatol Monatsschr** 1987; 173(6):328–32 (Eng. Abstr.) **(Ger)**

[Contact allergy as a model for detection of liberation of active agents from zinc containing dermatologic agents] Lübbe D. **Dermatol Monatsschr** 1986;172(10):627–8 **(Ger)**

[Recovery rate of externally administered glucocorticoids on the skin surface] Wohlrab W. **Dermatol Monatsschr** 1986; 172(10):615–9 (Eng. Abstr.) **(Ger)**

[Skin—vehicle—drug, the decision criterion for skin absorption] Ziegenmeyer J. **Pharm Unserer Zeit** 1986 Sep; 15(5):129–43 **(Ger)**

[Percutaneous resorption of testosterone, androstenedione and estradiol and their effect on serum steroid levels] Stoppe G, et al. **Z Hautkr** 1986 Oct 1;61(19):1372–6 (Eng. Abstr.) **(Ger)**

[Percutaneous resorption of salicylic acid methylester from bathing solutions] Pratzel H. **Z Rheumatol** 1987 May–Jun; 46(3):143–50 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Determination of vehicle effects on percutaneous absorption by laser Doppler velocimetry. Guy RH, et al. **Arch Dermatol Res** 1986;278(6):500–2

Effect of Azone on the percutaneous absorption of 5-fluorouracil from gels in hairless rats. Hosoya K, et al. **Chem Pharm Bull (Tokyo)** 1987 Feb;35(2):726–33

Physicochemical study of percutaneous absorption enhancement by dimethyl sulfoxide: dimethyl sulfoxide mediation of vidarabine (ara-A) permeation of hairless mouse skin. Kurihara-Bergstrom T, et al. **J Invest Dermatol** 1987 Sep;89(3):274–80

Effect of penetration enhancers on the permeation of mannitol, hydrocortisone and progesterone through human skin. Barry BW, et al. **J Pharm Pharmacol** 1987 Jul; 39(7):535–46

Effect of egg yolk lecithin on transdermal delivery of bunazosin hydrochloride. Kato A, et al. **J Pharm Pharmacol** 1987 May;39(5):399–400

Enhanced penetration of mitomycin C through hairless mouse and rat skin by enhancers with terpene moieties. Okamoto H, et al. **J Pharm Pharmacol** 1987 Jul;39(7):531–4

Procaine has opposite effects on passive Na and K

permeabilities in frog skin. Flonta ML, et al. **Pflugers Arch** 1987 Mar;408(3):215–9
Effects of surfactants in percutaneous absorption. Ashton P, et al. **Pharm Acta Helv** 1986;61(8):228–35
[Effect of urea on the penetration of prednisolone into the human skin] Wohlrab W. **Dermatol Monatsschr** 1986; 172(9):523–7 (Eng. Abstr.) **(Ger)**
[Effect of forskolin on the active transport of sodium and on the permeability of skin isolated from Bufo bufo] Margiotta M, et al. **Boll Soc Ital Biol Sper** 1986 Jun 30; 62(6):729–35 (Eng. Abstr.) **(Ita)**
[Studies on percutaneous absorption of pantethine in guinea pigs] Suzuki M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):725–35 **(Jpn)**
[Safety and possible penetration of pyridoxal phosphate across the skin barrier when used epicutaneously] Gurochkina LP. **Farmakol Toksikol** 1986 Jul–Aug; 49(4):62–3 (Eng. Abstr.) **(Rus)**

SKIN ADMINISTRATION, DRUG see **ADMINISTRATION, CUTANEOUS**

SKIN APPENDAGE DISEASES

CLASSIFICATION

Tumors of the epidermal appendages. Zarem HA. **Clin Plast Surg** 1987 Apr;14(2):233–5

DIAGNOSIS

The Cronkhite–Canada syndrome. Case report. Aanestad O, et al. **Acta Chir Scand** 1987 Feb;153(2):143–5
The best diagnosis? [letter] Lewis JE. **J Dermatol Surg Oncol** 1987 Jul;13(7):710, 712

PATHOLOGY

[A long–term survived case of Cronkhite–Canada syndrome showed resolution of gastrointestinal polyposis] Iijima T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1987 Mar; 84(3):749–53 **(Jpn)**

SKIN DISEASES

Systemic plasmacytosis and the Crow–Fukase syndrome. Burton JL. **Arch Dermatol** 1987 Apr;123(4):425–6
British Society for Investigative Dermatology annual meeting. York, September 1986. Abstracts. **Br J Dermatol** 1987 Mar;116(3):417–57
Proceedings of the 237th meeting of the Netherlands Society for Dermatology and Venereology. Utrecht, 31 May 1986. Abstracts. **Br J Dermatol** 1987 Apr;116(4):591–603
British Association of Dermatologists sixty–seventh annual meeting, 1987, Harrogate. Abstracts. **Br J Dermatol** 1987 Jun;117 Suppl 32:1–118
Proceedings of the 236th Meeting of the Netherlands Society for Dermatology and Venereology, Amsterdam, 1 February 1986. **Br J Dermatol** 1986 Nov;115(5):583–94
Spontaneous cholecystocutaneous fistulas. Hakaim AG, et al. **Cleve Clin Q** 1986 Winter;53(4):363–5
Benign tumors and conditions of the skin and subcutaneous tissue. **Clin Plast Surg** 1987 Apr;14(2):201–430
Common dermatologic disorders. Schaefer DG, et al. **Clin Plast Surg** 1987 Apr;14(2):209–22
The porphyrias. Poh–Fitzpatrick MB. **Dermatol Clin** 1987 Jan;5(1):55–61 (44 ref.)
Subcorneal pustular dermatosis in a young boy. Garg BR, et al. **Indian J Dermatol** 1985 Oct;30(4):21–3
Contraceptive use in the chronically ill adolescent female. Part II. Neinstein LS, et al. **J Adolesc Health Care** 1986 Sep;7(5):350–60 (119 ref.)
Self–assessment examination of the American Academy of Dermatology. **J Am Acad Dermatol** 1987 Apr; 16(4):29A–38A
Self–assessment examination of the American Academy of Dermatology. **J Am Acad Dermatol** 1987 Jul; 17(1):25A–46A
Rothmund–Thomson syndrome. A case report, phototesting, and literature review. Berg E, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):332–8
Sneddon's syndrome. A case report. Deffer TA, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 2):1084–7
Photodermatoses. Lim HW, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):293–9
Abstracts of papers presented at the 24th annual meeting of the American Society of Dermatopathology. New Orleans, Louisiana, USA, December 4–5, 1986. **J Cutan Pathol** 1986 Dec;13(6):432–470
Application of basic sciences to problems in pediatric dermatology. Ogawa H, et al. **J Med Assoc Thai** 1987 Apr; 70 Suppl 3:9–13
Neurocutaneous disorders. **Neurol Clin** 1987 Aug; 5(3):337–518
[White atrophy and surgery] Van der Stricht J. **Phlebologie** 1986 Jul–Sep;39(3):605–6 **(Fre)**
[Very late complications of extrapleural pneumothorax as a result of external fistulation (on acrylic balls after 18 years) or internal fistulation (on oleothorax after 32 and 48 years, respectively)] Jost A. **Rev Med Suisse Romande** 1986 Jul;106(7):605–17 **(Fre)**
[Papular mucinosis. Associated dermatologic and dysimmune aspects] Bourgeois P, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):109–12 (Eng. Abstr.) **(Fre)**
[9th meeting of the Dermatology Society of East Germany with international participation. 7–11 April 1987, Binz/Rügen. Abstracts] **Dermatol Monatsschr** 1987; 173(2):65–91 **(Ger)**
[Austrian Society for Dermatology and Venereology annual scientific meeting. 15 June 1985, Innsbruck. Abstracts] **Hautarzt** 1987 Mar;38(3):176–81 **(Ger)**
[Joint meeting of the Austrian Society for Dermatology and Venereology with the International Society of Dermatology. 18–19 October 1985, Vienna. Abstracts] **Hautarzt** 1987 Apr;38(4):243–6 **(Ger)**
[Proceedings of the German Dermatologic Society. 34th meeting, Zurich, 20–24 March 1985] **Hautarzt** 1985;36 Suppl 7:1–198 **(Ger)**
[86th annual meeting of the Japanese Dermatological Association. 10–12 April 1987, Yokohama, Japan. Abstracts] **Nippon Hifuka Gakkai Zasshi** 1987 Mar; 97(3):277–411 **(Jpn)**
[The 85th annual meeting of the Japanese Dermatological Association. Kyoto, May 16–18, 1986. Abstracts] **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(13):1299–618 **(Jpn)**
[Are our patients satisfied? A patient's evaluation of the service and information at a dermatologic outpatient clinic] Jensen P. **Tidsskr Nor Laegeforen** 1986 Sep 10; 106(25):2077–8 (Eng. Abstr.) **(Nor)**
[Cutaneous pancreatic fistula as a complication of left nephrectomy] Zikrillaev Z. **Urol Nefrol (Mosk)** 1987 Jan–Feb;(1):53 **(Rus)**

BLOOD

Defective release of tissue plasminogen activator in systemic and cutaneous vasculitis. Jordan JM, et al. **Am J Med** 1987 Mar;82(3):397–400
Plasma anaphylatoxin concentrations in inflammatory skin diseases. Terui T, et al. **Tohoku J Exp Med** 1987 Feb; 151(2):245–52
[Skin changes in chronic alcoholism with special reference to the zinc and biotin content of the serum] Bahmer FA, et al. **Z Hautkr** 1987 May 1;62(9):691–5 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Penicillamine–induced elastosis perforans serpiginosa. Tip of the iceberg? Price RG, et al. **Am J Dermatopathol** 1986 Aug;8(4):314–20
Nylon brush macular amyloidosis. Hashimoto K, et al. **Arch Dermatol** 1987 May;123(5):633–7
Cutaneous and ocular side–effects of oral photochemotherapy: results of an 8–year follow–up study. Cox NH, et al. **Br J Dermatol** 1987 Feb;116(2):145–52
Pustular dermatosis induced by co–trimoxazole. Macdonald KJ, et al. **Br Med J [Clin Res]** 1986 Nov 15; 293(6557):1279–80
Drug eruption localized to previously irradiated skin [letter] Vukelja SJ, et al. **Cancer Treat Rep** 1987 Jun;71(6):668–9
Contact granuloma annulare. Stransky L. **Contact Dermatitis** 1987 Feb;16(2):106
Porphyria cutanea tarda symptomatica. Handa F, et al. **Indian J Dermatol** 1985 Apr;30(2):49–51
Cutaneous mucinosis in the toxic oil syndrome [letter] Fonseca E, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):139–40
Coumadin versus heparin necrosis [letter] Gold JA, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):148–50
Genetic susceptibility to scleroderma–like syndrome in symptomatic and asymptomatic workers exposed to vinyl chloride. Black C, et al. **J Rheumatol** 1986 Dec; 13(6):1059–62
A study of the pathogenesis of local skin necrosis induced by Naja nigricollis (spitting cobra) venom using simple histological staining techniques. Iddon D, et al. **Toxicon** 1987;25(6):665–72
[Bromine, bromides, pregnancy and lactation. Apropos of 2 case reports] Jean P, et al. **J Toxicol Clin Exp** 1985 Jan–Feb;5(1):25–33 (Eng. Abstr.) **(Fre)**
[An iatrogenic complication subsequent to an injection of corticoids into the instep] Davy A, et al. **Phlebologie** 1986 Jul–Sep;39(3):527–37 (Eng. Abstr.) **(Fre)**
[Extrasystemic factors in the pathogenesis and prevention of porphyria cutanea tarda] Kaszewska I, et al. **Przegl Dermatol** 1986 Nov–Dec;73(6):457–63 (Eng. Abstr.) **(Pol)**
[A case of porphyria after treatment with cisplatin (letter)] Aramburo González P, et al. **Med Clin (Barc)** 1986 Nov 22;87(17):738–9 **(Spa)**
[Spontaneous hematoma of the subscapular muscle during heparin therapy in a patient with renal insufficiency (letter)] Bosch X, et al. **Med Clin (Barc)** 1987 May 2;88(17):697–8 **(Spa)**
[Acral erythema induced by cytostatic polychemotherapy (letter)] Martí JM, et al. **Med Clin (Barc)** 1987 Jul 4; 89(6):261 **(Spa)**
[Nodular cystic acne: excessive granulation tissue caused by isotretinoin] Henkes J, et al. **Med Cutan Ibero Lat Am** 1987; 15(1):55–8 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Normocholesterolemic xanthomatosis. Parker F. **Arch Dermatol** 1986 Nov;122(11):1253–7
Pseudomalignancies. Dufresne CR, et al. **Clin Plast Surg** 1987 Apr;14(2):367–81 (102 ref.)
The eruptions of pregnancy: review and new classification. Brenman S. **J Am Osteopath Assoc** 1986 Dec;86(12):793–7
[On the classification of congenital poikiloderma] Marghescu S. **Ann Dermatol Venereol** 1987;114(2):255–9 **(Fre)**

COMPLICATIONS

Sweet's syndrome and chronic recurrent multifocal osteomyelitis [letter] Arndt JH. **Am J Dis Child** 1987 Jul; 141(7):721
Association between Takayasu's arteritis and cutaneous polyarteritis nodosa [letter] Cajigas JC, et al. **Am J Med** 1987 Feb;82(2):382–4
Sweet's syndrome in association with solid tumors [letter] Grigsby PW, et al. **Am J Med** 1987 May;82(5):1084–5
Mycosis fungoides associated with dystrophic xanthomatosis. McCadden ME, et al. **Arch Dermatol** 1987 Jan;123(1):91–4
Systemic plasmacytosis. A syndrome of peculiar multiple skin eruptions, generalized lymphadenopathy, and polyclonal hypergammaglobulinemia. Watanabe S, et al. **Arch Dermatol** 1986 Nov;122(11):1314–20
Takatsuki syndrome: a reversible multisystem plasma cell dyscrasia [letter] Pruzanski W. **Arthritis Rheum** 1986 Dec; 29(12):1534–5
Sneddon's syndrome. Scott IA, et al. **Aust NZ J Med** 1986 Dec;16(6):799–802
Lichen sclerosus et atrophicus with ocular and maxillary complications. Dalziel K, et al. **Br J Dermatol** 1987 May; 116(5):735–7
A graft–versus–host disease–like syndrome with carcinomatosis. Graham–Brown RA, et al. **Br J Dermatol** 1987 Feb;116(2):249–52
Acute febrile neutrophilic dermatosis (Sweet's syndrome) in Behçet's disease. Mizoguchi M, et al. **Br J Dermatol** 1987 May;116(5):727–34
Necrobiotic xanthogranuloma with myeloma. A case report. Venencie PY, et al. **Cancer** 1987 Feb 1;59(3):588–92
Sweet's syndrome and subacute thyroiditis. Alcalay J, et al. **Dermatologica** 1987;174(1):28–9
Sweet's syndrome associated with Yersinia enterocolitica infection. Elsner P, et al. **Dermatologica** 1986;173(2):85–9
Paget's disease in an epidermal cyst. Stephenson TJ, et al. **Dermatologica** 1987;174(4):186–90
Sea–blue histiocyte syndrome with cutaneous involvement. Case report with ultrastructural findings. Zina AM, et al. **Dermatologica** 1987;174(1):39–44
The coexistence of Langerhans' cell granulomatosis and malignant lymphoma may take different forms: report of seven cases with a review of the literature. Neumann MP, et al. **Hum Pathol** 1986 Oct;17(10):1060–5
Aspects of primary liver cancer and its relation to porphyria cutanea tarda and porphyria acuta intermittens. Hardell L. **IARC Sci Publ** 1986;(77):591–2
Lichen nitidus associated with nail changes. Natarajan S, et al. **Int J Dermatol** 1986 Sep;25(7):461–2
Bilateral Koebner phenomenon in lichen sclerosus et atrophicus. Ronnen M, et al. **Int J Dermatol** 1987 Mar; 26(2):117–8
Cutaneous malakoplakia with dermatomyositis. Singh M, et al. **Int J Dermatol** 1987 Apr;26(3):190–1
Lichen myxedematosus. An unusual case with rapid progression and possible internal involvement. Truhan AP, et al. **Int J Dermatol** 1987 Mar;26(2):91–5
Cutaneous manifestations of the acquired immunodeficiency syndrome. Warner LC, et al. **Int J Dermatol** 1986 Jul–Aug; 25(6):337–50 (80 ref.)
Postpolycythemic myeloid metaplasia, Sweet's syndrome, and acute myeloid leukemia. Horan MP, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):458–62
Dermatologic findings and manifestations of acquired immunodeficiency syndrome (AIDS). Kaplan MH, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):485–506
Mucocutaneous findings in acquired immunodeficiency syndrome/AIDS–related complex patients [letter] Triana AF, et al. **J Am Acad Dermatol** 1987 Apr;16(4):888–9
Lichen nitidus with hyperpigmentation. van de Kerkhof PC. **J Dermatol (Tokyo)** 1986 Oct;13(5):399–401
Langerhans cell– and T–lymphocyte functions in patients with atopic dermatitis with disseminated cutaneous herpes simplex virus infection. Räsänen L, et al. **J Invest Dermatol** 1987 Jul;89(1):15–8
Monoclonal paraproteinemia with subacute encephalopathy, seizures, and scleromyxedema. Reid TL, et al. **Neurology** 1987 Jun;37(6):1054–7
Corneal manifestations of scleromyxedema. Pusateri TJ, et al. **Ophthalmology** 1987 May;94(5):510–3
Renovascular hypertension in a child with Degos–Köhlmeier disease. Schade FB, et al. **Pediatr Radiol** 1987;17(3):260–1
Pustulotic arthro–osteitis. A report of two cases. Seppälä J, et al. **Scand J Rheumatol** 1987;16(2):135–8
Sweet's syndrome followed by acute myelomonocytic leukaemia: the need for follow–up. Vestey JP, et al. **Scott Med J** 1986 Jul;31(3):184–6
[Porphyria cutanea tarda and neoplasms. Apropos of 2 cases] Dandurand M, et al. **Ann Dermatol Venereol** 1986; 113(8):679–83 (Eng. Abstr.) **(Fre)**
[Skin manifestations of refractory anemia with excess of blasts (RAEB)] Rouchouse B, et al. **Ann Dermatol Venereol** 1986; 113(5):441–7 (Eng. Abstr.) **(Fre)**
[Degos' syndrome. Intestinal involvement as demonstrated by digital angiography. A case] Bilbao JI, et al. **J Radiol** 1986 Oct;67(10):711–3 (Eng. Abstr.) **(Fre)**

[Local treatment of ulcers on white atrophy] Parpex P. **Phlebologie** 1986 Jul–Sep;39(3):603–4 **(Fre)**

[Dermatomyositis, cutaneous necrosis and pulmonary fibrosis. A new entity or a fortuitous association? (letter)] Basset N, et al. **Presse Med** 1987 Jun 27;16(25):1243 **(Fre)**

[Acne–pustulosis–hyperostosis–osteitis syndrome. Results of a national survey. 85 cases] Chamot AM, et al. **Rev Rhum Mal Osteoartic** 1987 Mar;54(3):187–96 (Eng. Abstr.) **(Fre)**

[Porphyria cutanea tarda and diabetes mellitus] Köstler E. **Dermatol Monatsschr** 1986;172(8):481–4 (Eng. Abstr.) **(Ger)**

[Combined pellagra, porphyria variegata and chronic alcoholism] Landman L, et al. **Harefuah** 1986 Dec 1; 111(11):371–3 (Eng. Abstr.) **(Heb)**

[T-cell non-Hodgkin's lymphoma following Sweet's syndrome] Szabó P, et al. **Orv Hetil** 1987 May 10; 128(19):993–6 (Eng. Abstr.) **(Hun)**

[Sweet's syndrome and hemopoietic dysplasia] Lomuto M, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):131–4 (Eng. Abstr.) **(Ita)**

[Morphofunctional evaluation of hepatic injury in porphyria cutaneous tarda by isotopic diagnosis with radiocolloids and bilio-tropic tracers] Biolcati GF, et al. **Minerva Dietol Gastroenterol** 1987 Jan–Mar;33(1):33–8 (Eng. Abstr.) **(Ita)**

[Liver cirrhosis in congenital erythropoietic protoporphyria] Szechciński J, et al. **Pol Tyg Lek** 1986 Jul 14;41(28):899–901 (Eng. Abstr.) **(Pol)**

[Acute hepatorenal failure in external intestinal fistula] Arbuliev MG, et al. **Klin Khir** 1987;(2):8–10 (Eng. Abstr.) **(Rus)**

[Plasma cell dyscrasia, polyneuropathy and multisystemic involvement] Bonaventura I, et al. **Med Clin (Barc)** 1986 Nov 29;87(18):764–6 (Eng. Abstr.) **(Spa)**

CONGENITAL

Neonatal lupus syndrome. Olson NY, et al. **Am J Dis Child** 1987 Aug;141(8):908–10 (28 ref.)

Congenital external fistulae of the parotid duct. Gilbert PM. **Br J Plast Surg** 1987 Jan;40(1):99–101

Congenital self-healing reticulohistiocytosis (Hashimoto-Pritzker type). Hashimoto K, et al. **Int J Dermatol** 1986 Oct;25(8):516–23 (33 ref.)

Congenital appendiceal-cutaneous fistula with appendiceal intussusception and herniation through an umbilical defect. Shija JK. **J R Coll Surg Edinb** 1986 Jun;31(3):184–5

Zinsser-Cole-Engman syndrome (dyskeratosis congenita) with cataract—a rare association. Menon V, et al. **Jpn J Ophthalmol** 1986;30(2):192–6

Congenital neurocutaneous melanosis with metastatic orbital malignant melanoma. Ellis DS, et al. **Ophthalmology** 1986 Dec;93(12):1639–42

[Zinsser-Cole-Engman syndrome] Parodi A, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):423–4 (Eng. Abstr.) **(Ita)**

[Cutis marmorata telangiectatica congenita. Description of a further case] Gelmetti C, et al. **Pediatr Med Chir** 1986 Nov–Dec;8(6):907–9 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Common office dermatoses. Approach to diagnosis and therapy. Fine JD. **Ala J Med Sci** 1987 Apr;24(2):209–15

Dermatologic emergencies. Rapini RP. **Am Fam Physician** 1986 Nov;34(5):159–68

Papular acantholytic dyskeratosis of vulva [letter] Weedon D. **Am J Dermatopathol** 1986 Aug;8(4):363

Monoclonal antibodies in diagnostic dermatopathology. Wick MR. **Am J Dermatopathol** 1987 Jun;9(3):185–8

Simultaneous bilateral central retinal arterial occlusion in a patient with Sneddon syndrome: case history. Pauranik A, et al. **Angiology** 1987 Feb;38(2 Pt 1):158–63

Terra firma-forme dermatosis [letter] Duncan WC, et al. **Arch Dermatol** 1987 May;123(5):567–9

Bilateral odontogenous sinuses on the chin. Kawaguchi S, et al. **Arch Dermatol** 1986 Nov;122(11):1240–1

Acral persistent papular mucinosis: a new entity. Rongioletti F, et al. **Arch Dermatol** 1986 Nov;122(11):1237–9

Granuloma annulare [letter] Truhan AP, et al. **Arthritis Rheum** 1987 Jan;30(1):117–9

Secondary syphilis mimicking Sweet's syndrome. Jordaan HF, et al. **Br J Dermatol** 1986 Oct;115(4):495–6

Fine needle aspiration cytology in dermatology: a clinicopathological appraisal. Slater DN, et al. **Br J Dermatol** 1986 Sep;115(3):317–27

Secondary syphilis and Sweet's syndrome [letter] Sugathan P. **Br J Dermatol** 1987 Jun;116(6):879–80

Dermatology. Bunker CB, et al. **Br J Hosp Med** 1987 Feb; 37(2):122–6, 130–1, 134

Washington University case conference. Dual porphyria—an underdiagnosed entity? Chan KM, et al. **Clin Chem** 1987 Jul;33(7):1190–3

Laboratory diagnosis. **Clin Dermatol** 1986 Jul–Sep;4(3):1–140

Cutaneous diseases and their laboratory findings. Butterworth T. **Clin Dermatol** 1986 Jul–Sep;4(3):1–94

Mucous membranes in systemic disease. Case JD, et al. **Clin Dermatol** 1987 Apr–Jun;5(2):164–81 (109 ref.)

Laboratory findings in various diseases. Cawley NS. **Clin Dermatol** 1986 Jul–Sep;4(3):95–128

Mucous membranes in cutaneous disease. Friedman RJ. **Clin Dermatol** 1987 Apr–Jun;5(2):157–63 (16 ref.)

The diagnosis and differential diagnosis of cutaneous sarcoidosis. Gibson LE, et al. **Clin Dermatol** 1986 Oct–Dec; 4(4):62–74 (70 ref.)

Computer-aided diagnosis of dermatologic disorders. Stoecker WV. **Dermatol Clin** 1986 Oct;4(4):607–25 (44 ref.)

Geriatric skin problems. Gilchrest BA. **Hosp Pract [Off]** 1986 Sep 30;21(9A):55, 59–65

The 'great imitator' keeps up with the times. Stroh JA. **Hosp Pract [Off]** 1986 Nov 15;21(11):33–4, 38

Keratoacanthomas presenting as squamous cell carcinomas [letter] Karnauchow PN. **Hum Pathol** 1987 Jan;18(1):99

Immunologic testing in the dermatologic patient. Callen JP. **Int J Dermatol** 1987 May;26(4):224–5

Recurrent generalized erythematopustular eruption [letter] Maleville J, et al. **Int J Dermatol** 1987 Mar;26(2):136

What does "dry skin" mean? Piérard GE. **Int J Dermatol** 1987 Apr;26(3):167–8

AIDS and the dermatologist. Rampen FH. **Int J Dermatol** 1987 Jan–Feb;26(1):1–7

Cutaneous changes during pregnancy. Powell F, et al. **Ir Med J** 1987 Feb;80(2):50–5

Skin and mucosal manifestations in vitamin deficiency. Barthelemy H, et al. **J Am Acad Dermatol** 1986 Dec; 15(6):1263–74

Primary care physicians' errors in handling cutaneous disorders. A prospective survey. Pariser RJ, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):239–45

Computerized dermatopathologic diagnosis. Potter B, et al. **J Am Acad Dermatol** 1987 Jul;17(1):119–31

Epithelioid sarcoma and isolated necrobiotic granuloma: a comparative immunocytochemical study. Wick MR, et al. **J Cutan Pathol** 1986 Aug;13(4):253–60

Punch biopsy diagnostic technique [letter] Crollick JS, et al. **J Dermatol Surg Oncol** 1987 Aug;13(8):839

Diagnostic procedures of the skin. Part two: Skin biopsy and other tests. Krull EA, et al. **J Fam Pract** 1976 Aug; 3(4):427–31

Sneddon's syndrome. Case report and literature review. Bruyn RP, et al. **J Neurol Sci** 1987 Jul;79(3):243–53

In utero sonographic demonstration of a caput succedaneum. Schwimer SR, et al. **J Ultrasound Med** 1986 Dec; 5(12):711–2

Noninvasive method for the assessment of subcutaneous oedema. Mridha M, et al. **Med Biol Eng Comput** 1986 Jul; 24(4):393–8

Primary cutaneous cryptococcosis. Moreno Castillo JL, et al. **Mycopathologia** 1986 Oct;96(1):25–8

Tuberous sclerosis. Hanno R, et al. **Neurol Clin** 1987 Aug; 5(3):351–60 (24 ref.)

Behçet's disease. Jorizzo JL. **Neurol Clin** 1987 Aug; 5(3):427–40 (58 ref.)

The psyche and the skin. Masters R. **Neurol Clin** 1987 Aug; 5(3):483–97 (55 ref.)

Skin conditions simulating child abuse. Saulsbury FT, et al. **Pediatr Emerg Care** 1985 Sep;1(3):147–50

Differential diagnosis of unusual skin diseases in infants. Honda M. **Pediatrician** 1987;14 Suppl 1:15–7

Localized polyarteritis nodosa: cases involving the lower extremities and the breast. Levy A, et al. **Rheumatol Int** 1986;6(1):43–4

Porphyria cutanea tarda simulating scleroderma. Goh CL. **Singapore Med J** 1987 Feb;28(1):83–8

Unrecognized leukemia cutis. Hainsworth JD, et al. **South Med J** 1987 May;80(5):663–4

[Thompson's type congenital poikiloderma. Presentation of a minor form] Basset N, et al. **Ann Dermatol Venereol** 1986; 113(4):345–8 **(Fre)**

[A case for diagnosis: macular amyloidosis] Bonnetblanc JM. **Ann Dermatol Venereol** 1987;114(3):403–5 **(Fre)**

[Isolated malignant pachydermatoglyphia (letter)] Crovato F, et al. **Ann Dermatol Venereol** 1986;113(5):469–70 **(Fre)**

[Monoclonal antibodies applied to cutaneous lymphocytic infiltrates] Dreno B. **Ann Dermatol Venereol** 1987; 114(2):285–7 **(Fre)**

[Macular anetoderma] Venencie PY. **Ann Dermatol Venereol** 1986;113(5):477–8 **(Fre)**

[Vesico-pustules and transient melanosis in a newborn infant: a benign condition] Chabrolle JP, et al. **Ann Pediatr (Paris)** 1987 Feb;34(2):169–70 **(Fre)**

[Immunofluorescence as a diagnostic aid in oral medicine (2)] Goulet JP. **Can Dent Assoc J** 1987 Apr;53(4):309–13 (64 ref.) **(Fre)**

[Prognosis and prevention of white atrophy] Depairon M, et al. **Phlebologie** 1986 Jul–Sep;39(3):617–20 (Eng. Abstr.) **(Fre)**

[Ecchymotic patches of the fingers and Gardner-Diamond vascular purpura] Merlen JF. **Phlebologie** 1987 Apr–Jun; 40(2):473–87 (Eng. Abstr.) **(Fre)**

[Indirect lymphangiography and transcutaneous measurement of oxygen pressure in white atrophy] Partsch H, et al. **Phlebologie** 1986 Jul–Sep;39(3):581–7 (Eng. Abstr.) **(Fre)**

[Clinical study of white atrophy: the viewpoint of the phlebologist] Sapin G. **Phlebologie** 1986 Jul–Sep; 39(3):589–92 (Eng. Abstr.) **(Fre)**

[Adult eosinophilic granuloma accompanied by skin manifestations] Themelin D, et al. **Rev Med Brux** 1986 Nov; 7(9):551–6 (Eng. Abstr.) **(Fre)**

[Spinocellular epithelioma and keratoacanthoma. Anatomicoclinical inconsistencies] Tagliana P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):282–6 (Eng. Abstr.) **(Fre)**

[Diagnosis of erythropoietic porphyrias and protoporphyrinemias] Köstler E, et al. **Dermatol Monatsschr** 1987;173(1):44–7 (Eng. Abstr.) **(Ger)**

[Lectins—diagnostic and therapeutic aspects in dermatology] Wollina U. **Dermatol Monatsschr** 1987;173(5):237–41 **(Ger)**

[Porphyria cutanea tarda: pathognomonic needle-like inclusions in the cytoplasm of the hepatocytes (letter)] Grouls V, et al. **Dtsch Med Wochenschr** 1987 Jan 23; 112(4):157 **(Ger)**

[Skin changes in HIV-infected patients] Steigleder GK, et al. **Dtsch Med Wochenschr** 1987 Apr 24;112(17):686–90 (9 ref.) **(Ger)**

[News from american dermatology] Hollander A. **Hautarzt** 1986 Dec;37(12):639–46 **(Ger)**

[The spectrum of transient acantholytic dermatoses] Lang I, et al. **Hautarzt** 1986 Sep;37(9):485–93 (Eng. Abstr.) **(Ger)**

[Marghescu-Braun-Falco syndrome] Schmidt JB, et al. **Hautarzt** 1986 Sep;37(9):516–8 (Eng. Abstr.) **(Ger)**

[Skin diseases in Sierra Leone] Stingl P. **Hautarzt** 1987 Mar; 38(3):146–54 (Eng. Abstr.) **(Ger)**

[The skin and diabetes mellitus] Haustein UF. **Z Arztl Fortbild (Jena)** 1986;80(24):1009–14 **(Ger)**

[Cutaneous paraneoplastic syndromes of the skin] Husz S, et al. **Z Hautkr** 1987 Feb 1;62(3):206–15 (Eng. Abstr.) **(Ger)**

[What dermatologic sequelae, aside from acro-osteopathy, can be expected in diabetic polyneuropathy?] Mensing H. **Z Hautkr** 1986 Sep 15;61(18):1277–9 **(Ger)**

[Sweet's syndrome. Acute febrile neutrophilic dermatosis] Gjertsen BT, et al. **Tidsskr Nor Laegeforen** 1987 Jun 20; 107(17–18):1556–7 (Eng. Abstr.) **(Nor)**

[Diagnostic patterns and utilization of a dermatologic outpatient department] Gram IT. **Tidsskr Nor Laegeforen** 1987 Feb 20;107(5):457–9 (Eng. Abstr.) **(Nor)**

[Vascular lesion of the brain in patients with livedo reticularis] Kalashnikova LA. **Klin Med (Mosk)** 1986 Sep; 64(9):48–53 (Eng. Abstr.) **(Rus)**

[New methods of diagnosis and treatment in dermatology and venereology (review of patent information in the USSR)] Kolotilo DV. **Vestn Dermatol Venerol** 1986; (10):40–4 (0 ref.) (Eng. Abstr.) **(Rus)**

[Use of monoclonal antibodies for studying immunocompetent cells in dermatology] Rubins AIa, et al. **Vestn Dermatol Venerol** 1987;(4):12–6 (Eng. Abstr.) **(Rus)**

[Consultation schedule of a professor] Tumasheva NI. **Vestn Dermatol Venerol** 1987;(6):39–40 (Eng. Abstr.) **(Rus)**

[Total immunoglobulin E level in dermatoses studied by immunoenzyme analysis] Vladimirov VV, et al. **Vestn Dermatol Venerol** 1987;(4):16–8 (Eng. Abstr.) **(Rus)**

[Isolated macronodular sarcoidosis] Balsa RE, et al. **Med Cutan Ibero Lat Am** 1987;15(1):49–54 (Eng. Abstr.) **(Spa)**

[Differential diagnosis of various porphyrias. Experience with 28 cases] Armas-Merino R, et al. **Rev Med Chil** 1986 Apr; 114(4):315–20 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Arotinoid ethyl ester (Ro 13-6298): a long term pilot study in various dermatoses. Mérot Y, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):237–42

Vulval lichen sclerosus et atrophicus treated with etretinate (Tigason). Mørk NJ, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):363–5

Treatment of calcinosis universalis with low-dose warfarin. Berger RG, et al. **Am J Med** 1987 Jul;83(1):72–6

Intravenous cimetidine as an effective treatment for systemic anaphylaxis and acute allergic skin reactions. Mayumi H, et al. **Ann Allergy** 1987 Jun;58(6):447–50

Squamous cell carcinoma following fluorouracil-responsive 'keratoacanthoma' [letter] Cobb MW, et al. **Arch Dermatol** 1987 Aug;123(8):987–8

Antidepressant drugs in dermatology. An update. Gupta MA, et al. **Arch Dermatol** 1987 May;123(5):647–52

Effect of retinoids on natural killer cell activity. Pigatto PD, et al. **Arch Dermatol Res** 1986;278(6):507–9

Beta-carotene therapy for erythropoietic protoporphyria and other photosensitivity diseases. Mathews-Roth MM. **Biochimie** 1986 Jun;68(6):875–84 (125 ref.)

Two cases of infantile porphyria cutanea tarda: successful treatment with oral S-adenosyl-L-methionine and low-dose oral chloroquine. Battle AM, et al. **Br J Dermatol** 1987 Mar;116(3):407–15

Treatment of porphyria cutanea tarda [letter] Malina L. **Br J Dermatol** 1987 Jan;116(1):139–40

Hydroxychloroquine in polymorphic light eruption: a controlled trial with drug and visual sensitivity monitoring. Murphy GM, et al. **Br J Dermatol** 1987 Mar;116(3):379–86

The treatment of eruptive vellus hair cysts with isotretinoin [letter] Urbina-González F, et al. **Br J Dermatol** 1987 Mar; 116(3):465–6

Allergy-induced hepatic toxicity associated with dacarbazine. McClay E, et al. **Cancer Treat Rep** 1987 Feb; 71(2):219–20

A case of generalized granuloma annulare responding to hydroxychloroquine. Carlin MC, et al. **Cleve Clin J Med** 1987 May-Jun;54(3):229-32
Cutaneous sarcoidosis: prognosis and treatment. Veien NK. **Clin Dermatol** 1986 Oct-Dec;4(4):75-87 (68 ref.)
Treatment of steatocystoma multiplex and pseudofolliculitis barbae with isotretinoin. Friedman SJ. **Cutis** 1987 Jun; 39(6):506-7
Considerations in selecting a moisturizer. Wehr RF, et al. **Cutis** 1987 Jun;39(6):512-5
DERM/PHARM. Drug data base for dermatologists. Maddin S, et al. **Dermatol Clin** 1986 Oct;4(4):599-606
Light- and electron-microscopic findings in lichen sclerosus of the vulva during etretinate treatment. Romppanen U, et al. **Dermatologica** 1987;175(1):33-40
Cholestyramine ointment in the treatment of perianal skin irritation following ileoanal anastomosis. Møller P, et al. **Dis Colon Rectum** 1987 Feb;30(2):106-7
Evaluation of efficacy and tolerability of K-FA fluocinolone acetonide tape. Cattaneo M, et al. **Int J Clin Pharmacol Res** 1987;7(4):279-82
Cimetidine in dermatology. Aram H. **Int J Dermatol** 1987 Apr;26(3):161-6 (64 ref.)
Oral prednisone--an illogical therapy. Arnold HL Jr. **Int J Dermatol** 1987 Jun;26(5):286-8
Nonsteroidal anti-inflammatory drugs. Their use in dermatology. Lichtenstein J, et al. **Int J Dermatol** 1987 Mar;26(2):80-7 (77 ref.)
Primary cutaneous amyloidosis [letter] Ollague W. **Int J Dermatol** 1987 Mar;26(2):135
Dry skin et cetera, corneocyte detachment, desquamation, and neo-strata. Van Scott EJ. **Int J Dermatol** 1987 Mar; 26(2):90
Topical retinoids: an update. Proceedings of a symposium. April 19-20, 1986, New York, NY. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):735-916
Etretinate therapy. Ellis CN, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):267-91 (255 ref.)
Pharmacology and significance of nonsteroidal anti-inflammatory drugs in the treatment of skin diseases. Greaves MW. **J Am Acad Dermatol** 1987 Apr;16(4):751-64
Selected therapeutic applications of topical tretinoin. Haas AA, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):870-7 (55 ref.)
Topical tretinoin for photoaged skin. Kligman AM, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):836-59
Skin care for the elderly [letter] Kligman AM. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1047-8
Etretinate for keratin disorders and isotretinoin for acne and not the other way around [letter] Moncada B. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):622
Premature epiphyseal closure--a complication of etretinate therapy in children. Prendiville J, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1259-62
Treatment of multiple keratoacanthomas with oral isotretinoin. Shaw JC, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1079-82
Low-dose methotrexate therapy for cutaneous vasculitis of rheumatoid arthritis. Upchurch KS, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):355-9
Studies of blood histamine levels during topical corticosteroid therapy compared with those during systemically administered corticosteroids. Tanaka K. **J Dermatol (Tokyo)** 1987 Apr;14(2):141-9
Topical cyclosporin and immunologically-mediated skin disorders [letter] Thomson AW, et al. **Lancet** 1987 May 23;1(8543):1212
Potential therapeutic effect of yeast killer toxin. Polonelli L, et al. **Mycopathologia** 1986 Nov;96(2):103-7
Treatment of hemodialysis-related porphyria cutanea tarda with deferoxamine [letter] Praga M, et al. **N Engl J Med** 1987 Feb 26;316(9):547-8
The spectrum of skeletal changes associated with long-term administration of 13-cis-retinoic acid. Lawson JP, et al. **Skeletal Radiol** 1987;16(2):91-7
Pseudoporphyria cutanea tarda associated with cyclosporine therapy [letter] Solá R, et al. **Transplantation** 1987 May; 43(5):772
[Cutaneous sarcoidosis: treatment with etretinate (letter)] Claudy AL. **Ann Dermatol Venereol** 1987;114(5):725-6 **(Fre)**
[Problems posed by the therapeutic use of photosensitizers in dermatology] Beani JC, et al. **Biochimie** 1986 Jun; 68(6):905-12 (89 ref.) (Eng. Abstr.) **(Fre)**
[Cutaneous and articular sarcoidosis. Improvement by PUVA therapy (letter)] Courtois JM, et al. **Presse Med** 1987 Jul 11-18;16(27):1334-5 **(Fre)**
[What is the role of systemic retinoids in practice?] Camenzind M, et al. **Schweiz Rundsch Med Prax** 1987 Feb 24;76(9):225-9 (18 ref.) (Eng. Abstr.) **(Fre)**
[Initial clinical experiences with the urea-containing basic dermatologic agent Elacutan] Taube KM, et al. **Dermatol Monatsschr** 1987;173(5):242-8 (Eng. Abstr.) **(Ger)**
[Sulfones--dermatologic indications and side effects] Wozel G, et al. **Dermatol Monatsschr** 1986;172(9):513-22 (Eng. Abstr.) **(Ger)**
[Are there indications for cyclosporin A in dermatology?] Mensing H. **Hautarzt** 1986 Aug;37(8):421-3 (Eng. Abstr.) **(Ger)**
[Eye diseases attributable to dermatologic therapy] Casanovas J. **Klin Monatsbl Augenheilkd** 1987 May; 190(5):403-5 (Eng. Abstr.) **(Ger)**
[Retinoids in dermatologic therapy] Uhl D. **Med Monatsschr Pharm** 1987 May;10(5):159-61 **(Ger)**
[Dermatologic and venerologic therapy 1946/1986] Ippen H. **Z Hautkr** 1986 Dec 1;61(23):1711-5 **(Ger)**
[Zinc--a new therapeutic principle in dermatology?] Leyh F. **Z Hautkr** 1987 Jul 15;62(14):1064, 1069-72, 1075 (11 ref.) (Eng. Abstr.) **(Ger)**
[Problematic aspects of placebo-controlled double-blind studies with highly effective drugs such as etretinate] Schwanitz HJ. **Z Hautkr** 1987 May 15;62(10):785-6, 791 (Eng. Abstr.) **(Ger)**
[Colchicine in dermatology] Sterry W. **Z Hautkr** 1987 May 1;62(9):697-704 (Eng. Abstr.) **(Ger)**
[Death following administration of 1,250 mg chloroquine in porphyria cutanea tarda] Drasch G, et al. **Z Rechtsmed** 1986;97(4):285-93 (Eng. Abstr.) **(Ger)**
[Skin diseases and zinc (editorial)] Feuerman EJ. **Harefuah** 1986 May 1;110(9):475-7 **(Heb)**
[Use of etretinate (tigason) in dermatologic therapy in Italy. Results of a clinical and laboratory monitoring] Cavicchini S, et al. **G Ital Dermatol Venereol** 1987 Jan-Feb; 122(1-2):I-V (Eng. Abstr.) **(Ita)**
[Use of 0.3% diflucortolone valerate in the topical treatment of steroid-sensitive dermatitis] Jucci A, et al. **G Ital Dermatol Venereol** 1986 Nov-Dec; 121(6):LXXVII-LXXX (Eng. Abstr.) **(Ita)**
[Elaboration of the pattern of drug supplies in the treatment of skin and venereal diseases] Dremova NB, et al. **Vestn Dermatol Venerol** 1987;(5):44-5 (Eng. Abstr.) **(Rus)**
[Testing of 5% dibunol liniment for topical application in dermatological practice] Ezhova MN, et al. **Vestn Dermatol Venerol** 1986;(9):58-61 (Eng. Abstr.) **(Rus)**
[Photochemotherapy of skin diseases. Mechanism of action, results and outlook] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1986;(10):35-40 (68 ref.) **(Rus)**
[The preparation "Glutamevit" in dermatovenereologic clinical practice] Khamaganova AV, et al. **Vestn Dermatol Venerol** 1986;(11):41-2 (Eng. Abstr.) **(Rus)**
[Biseptol in the treatment of bacterial diseases of the skin] Shakhnes IE, et al. **Vestn Dermatol Venerol** 1986;(11):44-6 (Eng. Abstr.) **(Rus)**
[Effect of thymus cytomedins (thymalin) on the course of skin diseases] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1987;(4):4-7 (Eng. Abstr.) **(Rus)**
[Effectiveness and complications of treatment with corticosteroid preparations of patients with dermatoses] Tsyrkunov LP. **Vestn Dermatol Venerol** 1987;(3):48-52 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Cytochemical expression of epidermal peroxidase and cytochrome oxidase activities in pathological skin conditions of man. Walzer C, et al. **Arch Dermatol Res** 1986;278(6):460-4
Lysosomal enzyme abnormalities in preleukaemic Sweet's disease: case report. Judge M, et al. **J Clin Pathol** 1987 Jan;40(1):67-9
Localization of angiotensin converting enzyme (ACE) in granulomas of sarcoidosis cutaneous lesions. Takemura S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):122-5

ETIOLOGY

The spirochetal etiology of lymphadenosis benigna cutis solitaria. Hovmark A, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):479-84
Acute febrile neutrophilic dermatosis (Sweet's syndrome) following BCG vaccination. Radeff B, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):357-8
Cutaneous signs of thyroid disease. Mullin GE, et al. **Am Fam Physician** 1986 Oct;34(4):93-8
Sweet's syndrome and malignancy. Cohen PR, et al. **Am J Med** 1987 Jun;82(6):1220-6 (63 ref.)
Abscess following cannulation of the radial artery. Lindsay SL, et al. **Anaesthesia** 1987 Jun;42(6):654-7
Sjögren's syndrome. Association of cutaneous vasculitis with central nervous system disease. Alexander E, et al. **Arch Dermatol** 1987 Jun;123(6):801-10 (50 ref.)
The cutaneous manifestations of cholesterol crystal embolization. Falanga V, et al. **Arch Dermatol** 1986 Oct; 122(10):1194-8
Acute graft-vs-host disease. Development following autologous and syngeneic bone marrow transplantation. Hood AF, et al. **Arch Dermatol** 1987 Jun;123(6):745-50
Transient acantholytic dermatosis in immunocompromised febrile patients with cancer. Horn TD, et al. **Arch Dermatol** 1987 Feb;123(2):238-40
Sarcoidal reaction to lymphoma presenting as granulomatous rosacea. Sherertz EF, et al. **Arch Dermatol** 1986 Nov; 122(11):1303-5
Plasmin induces acantholysis in skin organ cultures. Hunziker T, et al. **Arch Dermatol Res** 1987;279(5):341-6
Skin rash after triple vaccine. Denning DW, et al. **Arch Dis Child** 1987 May;62(5):510-1
'Kissing lesions' of the thorax and upper extremity. Louis DS, et al. **Arch Surg** 1987 Jul;122(7):821-2
Arthropathy and cutaneous calcinosis in hemodialysis oxalosis. Reginato AJ, et al. **Arthritis Rheum** 1986 Nov; 29(11):1387-96
Scleromyxedema and inflammatory myopathy: a clinicopathologic study of three patients. Harvey JM, et al. **Aust NZ J Med** 1986 Jun;16(3):329-35
Is the pathogenesis of Sweet's syndrome mediated by interleukin-1? [letter] Going JJ. **Br J Dermatol** 1987 Feb; 116(2):282-3
Giant orf in a normal individual. Pether JV, et al. **Br J Dermatol** 1986 Oct;115(4):497-9
Prostatocutaneous urinary fistula to the thigh after retropubic prostatectomy in a patient with polycythaemia rubra vera. Snooks SJ, et al. **Br J Urol** 1986 Oct;58(5):558
Dermatological conditions in HIV infection. Walker MM, et al. **Br Med J** 1987 Jan 3;294(6563):29-32 (20 ref.)
Severe cutaneous reactions to alternative remedies. Monk B. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):665-6
Visceral and skin granuloma annulare, diabetes, and polyendocrine disease. Thomas DJ, et al. **Br Med J [Clin Res]** 1986 Oct 18;293(6553):977-8
Calcinosis cutis--a rare late complication of burns. Heim M, et al. **Burns Incl Therm Inj** 1986 Oct;12(7):502-4
Skin changes following bone marrow transplantation. McConn R. **Cancer Nurs** 1987 Apr;10(2):82-4
Skin signs in pulmonary disease. Alper J, et al. **Clin Chest Med** 1987 Jun;8(2):299-311
Cutaneous sarcoidosis: definitions and types of lesions. Elgart ML. **Clin Dermatol** 1986 Oct-Dec;4(4):35-45 (37 ref.)
Cutaneous granuloma over a vitallium plate. Rostoker G, et al. **Contact Dermatitis** 1987 Mar;16(3):175-8
Skin necrosis from intravenously infused materials. Dufresne RG Jr. **Cutis** 1987 Mar;39(3):197-8
Long-term actinic damage in sun-exposed vitiligo and normally pigmented skin. Calanchini-Postizzi E, et al. **Dermatologica** 1987;174(6):266-71
Acute cutaneous complications and catheter needle colonization during insulin-pump treatment. Chantelau E, et al. **Diabetes Care** 1987 Jul-Aug;10(4):478-82
Chyloperitoneum with collateral lymphatic drainage involving abdominal skin. Perino LE, et al. **Dig Dis Sci** 1987 Jun;32(6):660-4
Colocutaneous fistulas complicating diverticulitis. Fazio VW, et al. **Dis Colon Rectum** 1987 Feb;30(2):89-94
Transfusion-associated graft-versus-host disease [letter] LeBoit PE. **Hum Pathol** 1987 Apr;18(4):414-5
Cutaneous manifestations in Ixodes-borne Borrelia spirochetosis. Asbrink E, et al. **Int J Dermatol** 1987 May; 26(4):215-23 (87 ref.)
Prolidase deficiency. A metabolic disorder presenting with dermatologic signs. Freij BJ, et al. **Int J Dermatol** 1986 Sep;25(7):431-3
Cutaneous associations of chronic renal failure and dialysis. Gupta AK, et al. **Int J Dermatol** 1986 Oct;25(8):498-504 (103 ref.)
Cutaneous-pericardial tuberculous fistula in an immunocompromised host. Lin RY, et al. **Int J Dermatol** 1986 Sep;25(7):456-8
Skin manifestations in AIDS, HIV infection, and AIDS-related complex. Sindrup JH, et al. **Int J Dermatol** 1987 Jun;26(5):267-72
Causative agents and pathogenicity in iatrogenic cutaneous autoimmunity. van Joost T, et al. **Int J Dermatol** 1987 Mar; 26(2):75-9 (43 ref.)
Could amiodarone increase acute cutaneous and mucosal toxicity of radiotherapy? [letter] Demange L, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):289
Nodular subcutaneous abscesses caused by Candida tropicalis [letter] Benson PM, et al. **J Am Acad Dermatol** 1987 Mar; 16(3 Pt 1):623-4
Prevalence of cutaneous disease in patients with acquired immunodeficiency syndrome (AIDS) or AIDS-related complex. Goodman DS, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):210-20
Lymphomatoid papulosis following Hodgkin's disease. Lederman JS, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):331-5
Hard water and skin irritation [letter] Osborne DW. **J Am Acad Dermatol** 1987 Jun;16(6):1263-4
Autointoxication revisited. Person JR, et al. **J Am Acad Dermatol** 1986 Sep;15(3):559-63
Solar elastotic bands of the forearm: an unusual clinical presentation of actinic elastosis. Raimer SS, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):650-6
Dermatologic considerations of stoma care. Rothstein MS. **J Am Acad Dermatol** 1986 Sep;15(3):411-32 (27 ref.)
Livedo reticularis and purpura: presenting features in fulminant pneumococcal septicemia in an asplenic patient. Rusonis PA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1120-2
Rower's rump [letter] Tomecki KJ, et al. **J Am Acad Dermatol** 1987 Apr;16(4):890-1
Dermabrasion-Loo-punch-excision technique for the treatment of acne-induced osteoma cutis. Fulton JE Jr. **J Dermatol Surg Oncol** 1987 Jun;13(6):655-9
Cutaneous complications of heart transplantation. Goldstein GD, et al. **J Heart Transplant** 1986 Mar-Apr;5(2):143-7
Dermatologic complications following heart transplantation. O'Connell BM, et al. **J Heart Transplant** 1986 Nov-Dec; 5(6):430-6
An erythematous maculopapular eruption in macaques infected with an HTLV-III-like virus (STLV-III). Ringler DJ, et al. **J Invest Dermatol** 1986 Nov;87(5):674-7
Cutaneous polyarteritis nodosa in a patient with ulcerative

colitis. Volk DM, et al. **J Pediatr Gastroenterol Nutr** 1986 Nov–Dec;5(6):970–2

The skin and internal malignancy [editorial] Savin JA. **J R Soc Med** 1986 Aug;79(8):439–40

Crohn's disease with metastatic cutaneous involvement and granulomatous cheilitis. Tatnall FM, et al. **J R Soc Med** 1987 Jan;80(1):49–50

Diabetic skin, joints, and eyes—how are they related? [editorial] **Lancet** 1987 Aug 8;2(8554):313–4

Two new cases of cutaneous alternariosis with a review of the literature. Viviani MA, et al. **Mycopathologia** 1986 Oct; 96(1):3–12

Perineal decubitus ulcer with urethro–cutaneous fistula without bilateral ischiectomy: case report. Ramasastry SS, et al. **Paraplegia** 1986 Oct;24(5):326–9

Cutaneous changes associated with inflammatory bowel disease. Paller AS. **Pediatr Dermatol** 1986 Dec;3(6):439–45

Cytomegalovirus infection in an infant presenting with cutaneous vasculitis. Sandler A, et al. **Pediatr Infect Dis J** 1987 Apr;6(4):422–3

A hemorrhagic hazard of tissue expansion. Ashall G, et al. **Plast Reconstr Surg** 1987 Apr;79(4):627–30

The severity of late skin damage related to fraction size in women treated by radiotherapy after mastectomy. Morgan SA, et al. **Radiother Oncol** 1987 Apr;8(4):315–9

Hereditary antithrombin III (AT III) deficiency and atypical localization of a coumarin necrosis [letter] Kiehl R, et al. **Thromb Res** 1987 Jan 15;45(2):191–3

Cutaneous manifestations of leukemia. Kauh YC. **Yonsei Med J** 1987;28(2):81–90

[Cutaneous and visceral sarcoidosis. Apropos of an exceptional form] Bazex J, et al. **Ann Dermatol Venereol** 1987;114(5):685–90 (Eng. Abstr.) **(Fre)**

[Cutaneous signs of trichinosis. Apropos of the 1985 outbreak] Bournerias I, et al. **Ann Dermatol Venereol** 1986; 113(11):1139–44 **(Fre)**

[Cutaneous manifestations of zinc deficiency in ethylic cirrhosis] Gaveau D, et al. **Ann Dermatol Venereol** 1987; 114(1):39–53 (Eng. Abstr.) **(Fre)**

[Livedo disclosing thrombocythemia] Schmutz JL, et al. **Ann Dermatol Venereol** 1987;114(2):227–31 **(Fre)**

[Cutaneous manifestations of periodic disease] Lachaux A, et al. **Arch Fr Pediatr** 1986 Nov;43(9):711–3 (Eng. Abstr.) **(Fre)**

[Rothmund syndrome and syndermatotic cataracts] Burillon C, et al. **Bull Soc Ophtalmol Fr** 1985 Dec;85(12):1353–6 **(Fre)**

[Value of molluscum pendulum in the diagnosis of colorectal polyps and/or cancers (letter)] Jobard JM, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):176–7 **(Fre)**

[Granulomatous hepatitis caused by Mycobacterium avium in AIDS detected by porphyria cutanea tarda (letter)] Larnier C, et al. **Gastroenterol Clin Biol** 1987 Mar; 11(3):264–5 **(Fre)**

[Molluscum pendulum and colorectal preneoplastic and neoplastic lesions (letter)] Vinel JP, et al. **Gastroenterol Clin Biol** 1987 Feb;11(2):177–8 **(Fre)**

[Bilio–thoracic fistulas of traumatic origin] Boumghar M. **J Chir (Paris)** 1986 Aug–Sep;123(8–9):457–62 (Eng. Abstr.) **(Fre)**

[The viewpoint of the dermatologist toward white atrophy] Passas H. **Phlebologie** 1986 Jul–Sep;39(3):593–602 (Eng. Abstr.) **(Fre)**

[Sweet's syndrome. 2 cases of probable infectious origin (letter)] Plantin P, et al. **Presse Med** 1987 Jul 11–18; 16(27):1333 **(Fre)**

[Skin manifestations of AIDS] Harms M, et al. **Schweiz Rundsch Med Prax** 1987 Feb 24;76(9):220–4 (19 ref.) (Eng. Abstr.) **(Fre)**

[The skin and colonic polyposis] Sfar Z. **Tunis Med** 1986 Oct;64(10):787–90 (Eng. Abstr.) **(Fre)**

[Special dermatologic problems of clean–room work] Schwarz G, et al. **Derm Beruf Umwelt** 1987 May–Jun; 35(3):98–100 (Eng. Abstr.) **(Ger)**

[Skin problems in joggers] Itin P, et al. **Schweiz Med Wochenschr** 1986 Aug 30;116(35):1189–94 (Eng. Abstr.) **(Ger)**

[Skin changes in hemodialysis patients] Morvay M, et al. **Z Hautkr** 1987 Jun 1;62(11):891–3 (Eng. Abstr.) **(Ger)**

[Ultrastructure of skin biopsy specimens from uremic patients treated by peritoneal dialysis] Vajda K, et al. **Morphol Igazsagugyi Orv Sz** 1987 Jan;27(1):9–18 (Eng. Abstr.) **(Hun)**

[Dermatologic and venereal pathology in drug addicts] Chieregato GC, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):1–10 (Eng. Abstr.) **(Ita)**

[Dermatoses associated with type I diabetes mellitus] Tosti A, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb; 122(1–2):15–7 (Eng. Abstr.) **(Ita)**

[A case of granulomatous reaction to tattooing] Colombo R, et al. **Minerva Chir** 1987 Apr 30;42(8):747–9 (Eng. Abstr.) **(Ita)**

[Bourneville's tuberous sclerosis: neurological manifestations and skin anomalies] Galli V, et al. **Pediatr Med Chir** 1986 Nov–Dec;8(6):771–6 (Eng. Abstr.) **(Ita)**

[A case of Sweet's syndrome associated with acute myeloblastic leukemia] Asai O, et al. **Rinsho Ketsueki** 1986 Oct;27(10):1977–82 (Eng. Abstr.) **(Jpn)**

[Disseminated granuloma annulare in patients with erythema multiforme] Kalbarczyk K. **Przegl Dermatol** 1986 Sep–Oct; 73(5):398–402 (Eng. Abstr.) **(Pol)**

[Livedo racemosa and polyneuropathy in periarteritis nodosa] Skoromets AA, et al. **Sov Med** 1986;(8):87–90 **(Rus)**

[Role of alcohol in the development and course of skin diseases] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1986; (11):66–9 (Eng. Abstr.) **(Rus)**

[Stercoral fistulae in pancreatitis] Cársky S, et al. **Rozhl Chir** 1987 Apr;66(4):261–4 (Eng. Abstr.) **(Slo)**

[Tobacco and dermatologic lesions] Molina Leguizamón EB. **Med Cutan Ibero Lat Am** 1986;14(4):238–42 (Eng. Abstr.) **(Spa)**

[Tumor calcinosis in chronic renal insufficiency] Caballero P, et al. **Rev Clin Esp** 1986 Jul;179(3):138–41 (Eng. Abstr.) **(Spa)**

[Lymphomatoid granulomatosis with early skin involvement. Clinico–pathological study of a case] Guarch R, et al. **Sangre (Barc)** 1987;32(2):225–30 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

An autopsy case of a syndrome with muscular atrophy, decreased subcutaneous fat, skin eruption and hyper gamma–globulinemia: peculiar vascular changes and muscle fiber degeneration. Oyanagi K, et al. **Acta Neuropathol (Berl)** 1987;73(4):313–9

Familial occurrence of lichen sclerosus et atrophicus. Case reports of a mother and daughter. Shirer JA Jr, et al. **Arch Dermatol** 1987 Apr;123(4):485–8

Lichen sclerosus et atrophicus in non–identical female twins [letter] Cox NH, et al. **Br J Dermatol** 1986 Dec;115(6):743

Sweet's syndrome, acute leukemia, and t(3;5). McCarthy CM, et al. **Cancer Genet Cytogenet** 1987 Sep;28(1):87–91

Prenatal diagnosis of heritable skin diseases. **Curr Probl Dermatol** 1987;16:1–216

Biology of heritable skin diseases. Papers presented at the 35th annual Symposium on the Biology of the Skin, Gleneden Beach, Oregon, October 6–9, 1985, and/or at the European Society for Dermatological Research Clinically Oriented Symposium, Oslo, February 7–8, 1986. **Curr Probl Dermatol** 1987;17:1–254

Prenatal diagnosis of epidermal disorders. Arnold ML, et al. **Curr Probl Dermatol** 1987;16:120–8 (18 ref.)

Use of morphological markers in carriers as an aid in genetic counselling and prenatal diagnosis. Blanchet–Bardon C, et al. **Curr Probl Dermatol** 1987;16:109–19

Use of fetoscopy for the prenatal diagnosis of hereditary skin disorders. Elias S. **Curr Probl Dermatol** 1987;16:1–13 (24 ref.)

Prenatal diagnosis of genodermatoses using amniotic fluid cells and DNA analysis. Gosden C. **Curr Probl Dermatol** 1987;16:65–82 (29 ref.)

Friable hair, urea cycle dysfunction, and trichothiodystrophy. A new X–linked genodermatosis. Hordinsky MK, et al. **Curr Probl Dermatol** 1987;17:52–60

Genetic principles applied to skin disease. Sybert VP. **Curr Probl Dermatol** 1987;17:1–4

Familial Netherton's disease. Kassis V, et al. **Cutis** 1986 Sep; 38(3):175–8

The genodermatoses. **Dermatol Clin** 1987 Jan;5(1):1–256

Genetic principles. Abuelo D. **Dermatol Clin** 1987 Jan; 5(1):1–15 (29 ref.)

Genodermatoses with malignant potential. Mallory SB, et al. **Dermatol Clin** 1987 Jan;5(1):221–30 (54 ref.)

Heritable skin diseases with molecular defects in collagen or elastin. Uitto J, et al. **Dermatol Clin** 1987 Jan;5(1):63–84 (80 ref.)

Porphyria cutanea tarda and HLA–linked hemochromatosis—all in the family? [editorial] Adams PC, et al. **Gastroenterology** 1987 Jun;92(6):2033–5

Porphyria cutanea tarda and HLA–linked hemochromatosis. Evidence against a systematic association. Beaumont C, et al. **Gastroenterology** 1987 Jun;92(6):1833–8

Genodermatoses. Burgdorf WH, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1045–9

Familial anetoderma. Friedman SJ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):341–5

Familial granuloma annulare. Report of two cases and review of the literature. Friedman SJ, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):600–5

Hereditary disorders—a dermatologist's role [letter] Fusaro RM. **J Am Acad Dermatol** 1986 Sep;15(3):538–9

Pachyonychia congenita with cutaneous amyloidosis and hyperpigmentation—a distinct variant. Tidman MJ, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):935–40

Fibrofolliculomas, trichodiscomas, and acrochordons: the Birt–Hogg–Dubé syndrome. Ubogy–Rainey Z, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):452–7

Regulation of collagen gene expression in cutaneous diseases with dermal fibrosis: evidence for pretranslational control. Abergel RP, et al. **J Invest Dermatol** 1987 Jun;88(6):727–31

Arrested epidermal morphogenesis in three newborn infants with a fatal genetic disorder (restrictive dermopathy). Holbrook KA, et al. **J Invest Dermatol** 1987 Mar; 88(3):330–9

Genetic diseases of the skin. Kurban A. **J Med Liban** 1986; 36(2):85–8

[Porphyria cutanea tarda in a 4–year–old child with uroporphyrinogen decarboxylase deficiency] Cotton JB, et al. **Pediatrie** 1986 Dec;41(8):617–27 (Eng. Abstr.) **(Fre)**

[Rothmund–Thomson syndrome (case report)] Fritsche HJ. **Beitr Orthop Traumatol** 1986 Aug;33(8):369–74 (Eng. Abstr.) **(Ger)**

[Monogenic inheritance: the skin] Moser H. **Ther Umsch** 1986 Dec;43(12):922–30 (Eng. Abstr.) **(Ger)**

[Familial multiple keratoacanthomas] Hilker O, et al. **Z Hautkr** 1987 Feb 15;62(4):280–9 (Eng. Abstr.) **(Ger)**

[Various aspects of the epidemiology of chronic staphylococcal diseases of the skin] Bukharovich AM, et al. **Vestn Dermatol Venerol** 1987;(1):33–7 (Eng. Abstr.) **(Rus)**

HISTORY

What is really the Biblical "shechin"? [letter]Ingber A, et al. **Am J Dermatopathol** 1987 Feb;9(1):81–2

Acantholysis (Auspitz). King DF, et al. **Am J Dermatopathol** 1986 Dec;8(6):516–9

Familial benign chronic pemphigus. Steffen CG. **Am J Dermatopathol** 1987 Feb;9(1):58–73

Musings relating to skin diseases. Ranasinghe L. **Ceylon Med J** 1985 Dec;30(4):159–73

Dermatology and mucous membrane disease. A historical perspective. Quintal D, et al. **Clin Dermatol** 1987 Apr–Jun; 5(2):1–9

Historical perspectives of tretinoin. Stüttgen G. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):735–40

[Johann Wolfgang von Goethe—the first promoter of dermatovenerologic moulage art] Schnalke T. **Dermatol Monatsschr** 1987;173(6):348–52 (Eng. Abstr.) **(Ger)**

[The practice of clinical drug trials 100 years ago based on an 1890 scientific study. By C. Shirren] **Z Hautkr** 1986 Dec 1;61(23):1721–3 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Magnesium–deficient hairless rat: spleen cells mitogenic responses and variations in hormonal status. Barbier A, et al. **Agents Actions** 1986 Dec;19(5–6):341–3

Immunopathology of cutaneous graft–versus–host disease. Breathnach SM, et al. **Am J Dermatopathol** 1987 Aug; 9(4):343–8 (51 ref.)

Membrane attack complex of complement in leukocytoclastic vasculitis of the skin. Presence and possible pathogenetic role. Boom BW, et al. **Arch Dermatol** 1987 Sep; 123(9):1192–5

Characteristic immunologic profile of large atypical cells in lymphomatoid papulosis. Possible implications for histogenesis and relationship to other diseases [editorial] Kadin ME. **Arch Dermatol** 1986 Dec;122(12):1388–90

Expression of T6 antigen on the epidermal keratinocytes in various dermatoses [letter] **Br J Dermatol** 1986 Oct; 115(4):511–4

The localization of the binding site of circulating IgA antibodies in linear IgA disease of adults, chronic bullous disease of childhood and childhood cicatricial pemphigoid. Aboobaker J, et al. **Br J Dermatol** 1987 Mar;116(3):293–302

A study of HLA antigen association in localized and generalized granuloma annulare. Friedman–Birnbaum R, et al. **Br J Dermatol** 1986 Sep;115(3):329–33

Natural killer cells and lymphomatoid granulomatosis [letter] Rongioletti F, et al. **Br J Dermatol** 1986 Oct;115(4):514–5

Distribution of natural killer cells and lymphocyte subclasses in Jessner's lymphocytic infiltration of the skin and in cutaneous lesions of discoid and systemic lupus erythematosus. Viljaranta S, et al. **Br J Dermatol** 1987 Jun; 116(6):831–8

Immunologic studies on cutaneous lesions in sarcoidosis. Quismorio FP Jr. **Clin Dermatol** 1986 Oct–Dec;4(4):54–61 (35 ref.)

Autoimmunity and the skin. Kumar V, et al. **Concepts Immunopathol** 1985;1:318–53 (142 ref.)

Pseudopelade of Brocq: an immunologically mediated disease? [letter] Pincelli C, et al. **Dermatologica** 1987; 174(1):49–50

T–cell independent transfer of organized granuloma formation. Epstein WL, et al. **Immunol Lett** 1986 Nov 17; 14(1):59–63

Interleukin–1. A new mediator in dermatology. Lisby G, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):8–13

T–cell growth factor receptor (Tac–antigen) expression in cutaneous lymphoid infiltrates. Ralfkiaer E, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):628–37

Cutaneous polyarteritis nodosa associated with hepatitis B surface antigen. Whittaker SJ, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1142–5

Lymphomatoid papulosis expresses immunophenotypes associated with T cell lymphoma but not inflammation. Wood GS, et al. **J Am Acad Dermatol** 1986 Sep; 15(3):444–58

A comparison of the dermal lymphoid infiltrates in discoid lupus erythematosus and Jessner's lymphocytic infiltrate of the skin using the monoclonal antibody Leu 8. Ashworth J, et al. **J Cutan Pathol** 1987 Aug;14(4):198–201

The role of MCA in dermatology: monoclonal antibodies in cutaneous immunohistochemistry. Thivolet J. **J Dermatol (Tokyo)** 1986 Oct;13(5):313–25 (28 ref.)

Epidermal lesions of the GVHR: evaluation of the role of different MHC and non MHC loci and of the Ly–2+ and L3T4+ T lymphocytes. Piguet PF, et al. **J Immunol** 1987 Jul 15;139(2):406–10

Granulomatous slack skin: clonal rearrangement of the T–cell receptor beta gene is evidence for the lymphoproliferative nature of a cutaneous elastolytic disorder. LeBoit PE, et al. **J Invest Dermatol** 1987 Aug;89(2):183–6

T4 epitope deficiency associated with cutaneous polyarteritis [letter] Mitchell SR, et al. **J Rheumatol** 1986 Oct;

13(5):994–5
[Visualization of IL2 and IL2 receptor in leprous dermal granulomata] Elagrul B, et al. **Acta Leprol (Geneve)** 1986 Jul–Sep;(102):343–4 (Fre)
[Analysis of proteins by immunoblotting. Application to dermatology] Verrando P. **Ann Dermatol Venereol** 1987; 114(5):773–9 (Fre)
[Immunofluorescence in dermatology] Ramelet AA, et al. **Rev Med Suisse Romande** 1987 Feb;107(2):147–55 (13 ref.) (Fre)
[Anti-keratin filament autoantibodies] Hintner H. **Hautarzt** 1987 Mar;38(3):131–7 (Eng. Abstr.) (Ger)
[Pathogenetic mechanisms in autoimmune diseases] Morenz J. Z **Gesamte Inn Med** 1986 Sep 1;41(17):469–73 (Eng. Abstr.) (Ger)
[Acute febrile neutrophil dermatosis (Sweet's syndrome)] Török L, et al. **Orv Hetil** 1987 Apr 5;128(14):721–3 (Eng. Abstr.) (Hun)
[False positive reactions to the fluorescence test (FTA–ABS) in skin disease patients] Scuderi G, et al. **Quad Sclavo Diagn** 1986 Jun;22(2):186–92 (Eng. Abstr.) (Ita)
[Basal cell antigens of normal epidermal tissues and in pathology] Beletskaia LV, et al. **Vestn Dermatol Venerol** 1986;(8):15–21 (65 ref.) (Rus)

METABOLISM

Hyaluronate in suction blisters from patients with scleroderma and various skin disorders. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1986;66(5):409–13
Nodular primary cutaneous amyloidosis. Isolation and characterization of amyloid fibrils. Kitajima Y, et al. **Arch Dermatol** 1986 Dec;122(12):1425–30
Calmodulin levels in psoriasis and other skin disorders. van Erp PE, et al. **Arch Dermatol Res** 1987;279(3):151–3
Abnormal keratinization in restrictive dermopathy. Dale BA, et al. **Curr Probl Dermatol** 1987;17:45–51
Fibroblasts of an acrogeria patient produce normal amounts of type I and III collagen. Bruckner-Tuderman L, et al. **Dermatologica** 1987;174(4):157–65
Skin cellular retinoid-binding proteins and retinoid-responsive dermatoses. Siegenthaler G, et al. **Dermatologica** 1986;173(4):163–73
The bioavailability and toxicity of topical drugs related to diseased skin. Hensby CN, et al. **Dev Toxicol Environ Sci** 1986;12:179–86 (6 ref.)
Diet and alcohol effects on the manifestation of hepatic porphyrias. Cripps DJ. **Fed Proc** 1987 Apr;46(5):1894–900
Iron, copper, and zinc concentrations in normal skin and in various nonmalignant and malignant lesions. Gorodetsky R, et al. **Int J Dermatol** 1986 Sep;25(7):440–5
Intracellular elastin in cutaneous giant cell reaction [letter] Shum DT, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):617–9
[Elastin diseases of the skin] Oikarinen A. **Duodecim** 1986; 102(21):1566–74 (Fin)
[Physicochemical analysis of subcutaneous calcifications in a case of Thibierge–Weissenbach syndrome] Legros R, et al. **Ann Dermatol Venereol** 1986;113(6–7):535–40 (Eng. Abstr.) (Fre)
[Cholesterol esterification in experimental xanthoma tissues] Arakawa K. **Nippon Hifuka Gakkai Zasshi** 1986 Dec; 96(14):1661–8 (Jpn)
[Lectin-binding pattern of myrmecia warts—histochemical investigation using the avidin–biotin–peroxidase complex (ABC) method] Egawa K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):737–43 (Jpn)
[Fecal porphyrin analyses in patients with porphyria cutanea tarda] Nonaka S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):151–6 (Jpn)

MICROBIOLOGY

Human papillomavirus type 13 DNA in focal epithelial hyperplasia among Mexicans. Brief report. Hernandez-Jauregui P, et al. **Arch Virol** 1987;93(1–2):131–7
Restriction endonuclease analysis of herpes simplex virus from recrudescent lesions, from latent infection and during passage in the skin and nervous system of mice. Darville JM, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):907–11
Different roles for L3T4+ and Lyt 2+ T cell subsets in the control of an acute herpes simplex virus infection of the skin and nervous system. Nash AA, et al. **J Gen Virol** 1987 Mar;68 (Pt 3):825–33
[Occurrence of coagulase-negative Staphylococcus in skin processes and their identification] Pospíšil L, et al. **Dermatol Monatsschr** 1986;172(8):462–7 (Eng. Abstr.) (Ger)

MORTALITY

Favourable prognostic features in histiocytosis X: bone involvement and absence of skin disease. Broadbent V. **Arch Dis Child** 1986 Dec;61(12):1219–21

OCCURRENCE

Cutaneous complications in renal transplant recipients. Cohen EB, et al. **Am J Clin Pathol** 1987 Jul;88(1):32–7
Skin problems in the aged. Coenraads PJ. **Ann Acad Med Singapore** 1987 Jan;16(1):98–100
[Structure of skin morbidity among the inhabitants of Conakry] Pankratov VG. **Vestn Dermatol Venerol** 1987; (4):47–50 (Eng. Abstr.) (Rus)
[Structure of dermatological morbidity along the Mediterranean coast] Smirnov LD. **Vestn Dermatol Venerol** 1987;(4):50–1 (Eng. Abstr.) (Rus)

PARASITOLOGY

Dermal myiasis of the eyelid. Savino DF, et al. **Ophthalmology** 1986 Sep;93(9):1225–7
[Cutaneous changes induced by a dose of DEC in rodents with skin microfilaria: relevance of these phenomena for understanding the Mazzotti reaction and the pathogenesis of human onchocerciasis] Bain O, et al. **C R Acad Sci [III]** 1987;304(6):133–8 (Eng. Abstr.) (Fre)

PATHOLOGY

Basal keratinocyte herniation. Kanerva L. **Acta Derm Venereol (Stockh)** 1987;67(3):254–7
Papular acantholytic dyskeratosis [letter] Coppola G, et al. **Am J Dermatopathol** 1986 Aug;8(4):364–5
Comparative ultrastructural study of generalized and localized granuloma annulare. Friedman-Birnbaum R, et al. **Am J Dermatopathol** 1986 Aug;8(4):302–8
Kerosis and comedos without prominent elastosis in Favre-Racouchot disease. Hassounah A, et al. **Am J Dermatopathol** 1987 Feb;9(1):15–7
Solitary labial papular acantholytic dyskeratoma in an immunocompromised host. O'Connell BM, et al. **Am J Dermatopathol** 1987 Aug;9(4):339–42
Reactive perforating collagenosis in Hodgkin's disease. Pedragosa R, et al. **Am J Dermatopathol** 1987 Feb;9(1):41–4
Poikiloderma [letter] Taieb A, et al. **Am J Dermatopathol** 1985 Aug;7(4):403
Papular acantholytic dyskeratosis of the penis [letter] van der Putte SC, et al. **Am J Dermatopathol** 1986 Aug; 8(4):365–6
Focal acantholytic dyskeratosis of the anal canal [letter] Warkel RL, et al. **Am J Dermatopathol** 1986 Aug;8(4):362–3
Cutaneous necrotizing granulomatous vasculitis with evolution to T cell lymphoma. Foley JF, et al. **Am J Med** 1987 Apr;82(4):839–44
Histiocytosis X and acute monocytic leukemia. Biologic illustration of the monocyte phagocytic system. Fontana J, et al. **Am J Med** 1987 Jan;82(1):137–42
Aging skin. Berliner H. **Am J Nurs** 1986 Oct;86(10):1138–41
Aging skin. Part two. Berliner H. **Am J Nurs** 1986 Nov; 86(11):1259–61
A selective histochemical method for the quantitative estimation of elastic fibers by computerized morphometric analysis. Effect of colchicin treatment. Godeau G, et al. **Anal Quant Cytol Histol** 1986 Dec;8(4):321–5
Pruritic, pink, papular eruption. Generalized granuloma annulare (GA). Birnbaum PS, et al. **Arch Dermatol** 1987 Aug;123(8):1071–2, 1074–5
Normolipemic eruptive cutaneous xanthomatosis. Caputo R, et al. **Arch Dermatol** 1986 Nov;122(11):1294–7
Vesicles on the dorsa of the fingers. Porphyria cutanea tarda (PCT). Lefer LG, et al. **Arch Dermatol** 1987 Jan;123(1):107, 110
Papules and nodules in a patient with sarcoidosis. Chromoblastomycosis. Perry AE, et al. **Arch Dermatol** 1987 Apr;123(4):520–21, 522–3
Lichen sclerosus et atrophicus. Ridley CM. **Arch Dermatol** 1987 Apr;123(4):457–60
Lymphomatoid papulosis. Histologic and immunohistochemical studies in a patient with a scaly pigmented eruption. Tokura Y, et al. **Arch Dermatol** 1986 Dec;122(12):1400–5
Atypical neutrophilic dermatosis with subcorneal IgA deposits. Wallach D, et al. **Arch Dermatol** 1987 Jun; 123(6):790–5
Erythematosquamous skin lesions in hereditary lactate dehydrogenase M-subunit deficiency. Yoshikuni K, et al. **Arch Dermatol** 1986 Dec;122(12):1420–4
Immunologic detection of markers of keratinocyte differentiation [letter] Cramer SF. **Arch Pathol Lab Med** 1987 Jun;111(6):503–4
Multifocal fibrosclerosis, cutaneous associations [letter] Kocsard E. **Australas J Dermatol** 1986 Dec;27(3):142
Langerhans cells in human warts. Chardonnet Y, et al. **Br J Dermatol** 1986 Dec;115(6):669–75
Wallace's line [letter] Copeman PW. **Br J Dermatol** 1987 Apr;116(4):607
A clinicopathological study of Flegel's disease (hyperkeratosis lenticularis perstans). Price ML, et al. **Br J Dermatol** 1987 May;116(5):681–91
Sensitivity to UV radiation of fibroblasts from a Japanese group A xeroderma pigmentosum patient with mild neurological abnormalities. Sato K, et al. **Br J Dermatol** 1987 Jan;116(1):101–8
Poikiloderma vasculare atrophicans granulomatosa [letter] van de Kerkhof PC, et al. **Br J Dermatol** 1986 Sep; 115(3):383–5
Spontaneous passage of renal calculi through nephrocutaneous fistula due to calculous pyelonephritis. Iseki T, et al. **Br J Urol** 1987 Mar;59(3):285–6
Ultrastructural study of the long-term development of two experimental cutaneous calcinoses (topical calciphylaxis and topical calcergy) in the rat. Boivin G, et al. **Cell Tissue Res** 1987 Mar;247(3):525–32
Primary cutaneous amyloidosis in Sri Lanka. Perera WD, et al. **Ceylon Med J** 1985 Dec;30(4):175–7
Acantholytic change of psoriatic-involved epidermis during organ culture in vitro. Iizuka H, et al. **Clin Exp Dermatol** 1986 Jul;11(4):345–51
Hyper IgE syndrome—case history. Zachary CB, et al. **Clin Exp Dermatol** 1986 Jul;11(4):403–8
Sternocostoclavicular hyperostosis (SCCHO) with palmoplantar pustulosis (PPP). Fallet GH, et al. **Clin Exp Rheumatol** 1987 Apr–Jun;5(2):135–41
Linear lichen nitidus. Petrozzi JW, et al. **Cutis** 1970 Oct; 6(10):1109–12
Monoclonal antibody patterns in lymphomatoid papulosis. Kaudewitz P, et al. **Dermatol Clin** 1985 Oct;3(4):749–57
Lymphomatoid papulosis. Willemze R. **Dermatol Clin** 1985 Oct;3(4):735–47 (82 ref.)
Skin lesion resembling malignant atrophic papulosis in lupus erythematosus. Doutre MS, et al. **Dermatologica** 1987; 175(1):45–6
Annular elastolytic giant cell granuloma occurring in covered areas. Ishibashi A, et al. **Dermatologica** 1987;174(6):293–7
Sudan-IV-positive material in fingernails of patient affected with mal de Meleda [letter] Salamon T. **Dermatologica** 1986;173(4):199–200
Tissue section Donovan bodies—identification through slow-Giemsa (overnight) technique. Sehgal VN, et al. **Dermatologica** 1987;174(5):228–31
Sweet syndrome in early childhood. Litt R, et al. **Eur J Pediatr** 1986 Sep;145(4):303–5
The histological diagnosis of cutaneous graft versus host disease: relationship of skin changes to marrow purging and other clinical variables. Elliott CJ, et al. **Histopathology** 1987 Feb;11(2):145–55
Reactive perforating collagenosis: light, ultrastructural and immunohistological studies. Millard PR, et al. **Histopathology** 1986 Oct;10(10):1047–56
Circinate eosinophilic dermatosis. Beer WE, et al. **Int J Dermatol** 1987 Apr;26(3):192–3
Generalized and localized granuloma annulare. Friedman-Birnbaum R. **Int J Dermatol** 1986 Jul–Aug; 25(6):364–6
Sweet's syndrome. Leibovici V, et al. **Int J Dermatol** 1987 Apr;26(3):178–80
Cutaneous amyloidoses. Wong CK. **Int J Dermatol** 1987 Jun; 26(5):273–7 (50 ref.)
Recurrent eruptions following unusual solitary coelenterate envenomations. Burnett JW, et al. **J Am Acad Dermatol** 1987 Jul;17(1):86–92
Histiocytosis X mimicking the follicular occlusion syndrome: response to local therapy [letter] Dufresne AG Jr, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):385–6
Granuloma formation in herpes zoster scars [letter] Fischer G, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1261–3
Pathologic features of diabetic thick skin. Hanna W, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):546–53
The eosinophil and cutaneous edema. Leiferman KM, et al. **J Am Acad Dermatol** 1986 Sep;15(3):513–7 (50 ref.)
Platelike cutaneous osteoma. Monroe AB, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):481–4
Solitary giant spider angioma with an overlying pyogenic granuloma [letter] Okada N. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1053–4
Cutaneous sarcoidosis in Caucasians. Veien NK, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):534–40
Granuloma annulare. Case reports of superficial and deep forms. Lemont H, et al. **J Am Podiatr Med Assoc** 1987 Feb;77(2):82–5
Sweet's syndrome: histological and immunohistochemical study of 15 cases. Going JJ, et al. **J Clin Pathol** 1987 Feb; 40(2):175–9
Follicular mucinosis in association with a melanocytic nevus. A report of two cases. Jordaan HF. **J Cutan Pathol** 1987 Apr;14(2):122–6
Charcot-Leyden crystals in pemphigus vegetans [letter] Kanitakis J. **J Cutan Pathol** 1987 Apr;14(2):127
Stump the experts. Kouskoukis CE. **J Dermatol Surg Oncol** 1986 Oct;12(10):1037, 1113
Stump the experts: granuloma annulare disseminatum. Kouskoukis CE. **J Dermatol Surg Oncol** 1987 Mar; 13(3):233, 295
Verrucous carcinoma in penile lichen sclerosus et atrophicus. Weber P, et al. **J Dermatol Surg Oncol** 1987 May; 13(5):529–32
Reactive perforating collagenosis—a case report. Bhatia KK, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):70–2
Induction of chronic skin changes in intraperitoneally hematoporphyrin-injected mice with metal halide lamp irradiation. Honda T, et al. **J Dermatol (Tokyo)** 1986 Dec; 13(6):426–32
Disseminated atypical granuloma annulare. Husz S, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):67–9
Protein AL origin in amyloidosis cutis nodularis atrophicans. Masuda C, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):280–4
Annular elastolytic giant cell granuloma: an unusual case with lesions arising in non-sun-exposed areas. Muramatsu T, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):54–8
Primary osteoma cutis. Nakamura S, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):85–8
Immunocyte derived amyloidosis. Rajasingam, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):175–7
An acantholytic variant of seborrheic keratosis. Uchiyama

N, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):222–5
A case of extensive subcutaneous sarcoidosis. Yamada S, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):217–21
Contraction of collagen lattices by skin fibroblasts from dystrophic recessive epidermolysis bullosa and other dermatoses. Adams LW, et al. **J Invest Dermatol** 1986 Oct; 87(4):544–6
A long-term clinicopathologic survey of patients with Jessner's lymphocytic infiltration of the skin. Konttinen YT, et al. **J Invest Dermatol** 1987 Aug;89(2):205–8
Subcutaneous palisading granulomas (benign rheumatoid nodules) in children. Minifee PK, et al. **J Pediatr Surg** 1986 Dec;21(12):1078–80
Inflammation spurts: the role of ground substance viscosity. Stone OJ. **Med Hypotheses** 1986 Aug;20(4):403–6
Clonal analysis of T cells in lymphomatoid papulosis [letter] **N Engl J Med** 1987 Feb 5;316(6):347–8
Cutaneous polyarteritis nodosa. Ball GV. **NY State J Med** 1987 Jul;87(7):381
Polyarteritis nodosa presenting with migratory soft tissue swelling. Meredith GS, et al. **NY State J Med** 1987 Jul; 87(7):402–3
Effect of some endodontic sealers on cell migration in experimental granulomas. Feiglin B. **Oral Surg Oral Med Oral Pathol** 1987 Mar;63(3):371–4
Cutaneous adnexal tumors and cysts: a review. Part II—Tumors with apocrine and eccrine glandular differentiation and miscellaneous cutaneous cysts. Massa MC, et al. **Pathol Annu** 1987;22 Pt 1:225–76 (89 ref.)
Quantitative assessment of Langerhans cells in actinic keratosis, Bowen's disease, keratoacanthoma, squamous cell carcinoma and basal cell carcinoma. McArdle JP, et al. **Pathology** 1986 Apr;18(2):212–6
A major factor contributing to epidermal proliferation in inflammatory skin diseases appears to be interleukin 1 or a related protein. Ristow HJ. **Proc Natl Acad Sci USA** 1987 Apr;84(7):1940–4
Malignant evolution of penile horn. Fields T, et al. **Urology** 1987 Jul;30(1):65–6
Cutaneous horn of penis. Walther MM, et al. **Urology** 1987 Aug;30(2):156–8
Immunohistochemical study of epidermal Langerhans cells and dermal dendritic cells in benign and malignant skin lesions characterized by a dermal lymphoid infiltrate consisting either of B-cells or T-cells. Drijkoningen M, et al. **Virchows Arch [A]** 1987;411(4):337–43
Demonstration of needle-shaped hepatic inclusions in porphyria cutanea tarda using the ferric ferricyanide reduction test. Fakan F, et al. **Virchows Arch [A]** 1987; 411(4):365–8
[Paris Dermatology Seminar, 12–15 March 1986. Papers] **Ann Dermatol Venereol** 1986;113(10):915–1034 **(Fre)**
[Lymphomatoid papulosis] Belaïch S. **Ann Dermatol Venereol** 1986;113(6–7):591–2 **(Fre)**
[Amyloidosis] Grossin M, et al. **Ann Dermatol Venereol** 1986; 113(9):869–73 **(Fre)**
[Anatomo-pathologic study of skin and ocular lesions in rodents infested by Monanema spp.: significance for the study of human onchocerciasis] Vuong-Ngoc P, et al. **Ann Parasitol Hum Comp** 1986;61(3):311–20 (Eng. Abstr.) **(Fre)**
[Immunolabeling methods in cutaneous histopathology. Principles and practical applications] Kanitakis J, et al. **Ann Pathol** 1987;7(2):79–97 (200 ref.) (Eng. Abstr.) **(Fre)**
[Lymphomatoid papulosis of the eyelid] Lemagne JM, et al. **J Fr Ophtalmol** 1987;10(3):247–52 (Eng. Abstr.) **(Fre)**
[Degos' papulosis atrophicans maligna] Eussen R. **Phlebologie** 1987 Jan–Mar;40(1):81–3 (Eng. Abstr.) **(Fre)**
[Pathologic anatomy of white atrophy] Klüken N, et al. **Phlebologie** 1986 Jul–Sep;39(3):561–6 (Eng. Abstr.) **(Fre)**
[Microcirculation in white atrophy] Merlen JF, et al. **Phlebologie** 1986 Jul–Sep;39(3):571–9 (Eng. Abstr.) **(Fre)**
[Lichen sclerosus et atrophicus–like circumscript scleroderma (Gougerot sclerolichen). Report of 2 cases] Wätzig V, et al. **Dermatol Monatsschr** 1987;173(1):24–8 (Eng. Abstr.) **(Ger)**
[Hypereosinophilia syndrome—a case report] Zollmann C, et al. **Dermatol Monatsschr** 1987;173(5):268–71 (Eng. Abstr.) **(Ger)**
[Skin sarcoidosis simulating necrobiosis lipoidica] Brüngger A. **Hautarzt** 1987 Apr;38(4):238–40 (Eng. Abstr.) **(Ger)**
[Detection of immunoglobulin deposits in paraffin embedded skin with the peroxidase–antiperoxidase (PAP) method] Kutzner H, et al. **Hautarzt** 1986 Sep;37(9):503–6 (Eng. Abstr.) **(Ger)**
[Cutaneous mucinosis] Nödl F. **Hautarzt** 1987 Apr; 38(4):235–7 (Eng. Abstr.) **(Ger)**
[Fistulous pyoderma caused by Serratia liquefaciens] Waldermann F, et al. **Hautarzt** 1987 Jan;38(1):36–9 (Eng. Abstr.) **(Ger)**
[Eye and skin manifestations of endogenous oxalosis of the protracted type (follow-up)] Welt R, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):158–61 (Eng. Abstr.) **(Ger)**
[A case report of Jadassohn anetoderma] Hellwich M, et al. **Z Hautkr** 1986 Nov 15;61(22):1638–40, 1645 (Eng. Abstr.) **(Ger)**
[Anetoderma] Nagy E, et al. **Z Hautkr** 1986 Nov 1; 61(21):1545–8 (Eng. Abstr.) **(Ger)**
[Cutaneous sarcoidosis] Pfeiff B, et al. **Z Hautkr** 1986 Sep 15;61(18):1311–7 (Eng. Abstr.) **(Ger)**
[Sclerodermiform porphyria] Simon N, et al. **Z Hautkr** 1986 Nov 15;61(22):1607–21 (Eng. Abstr.) **(Ger)**
[Generalized perforating granuloma annulare] Sala GP, et al. **G Ital Dermatol Venereol** 1987 Jan–Feb;122(1–2):39–43 (Eng. Abstr.) **(Ita)**
[6 cases of friction melanosis with amyloid deposition and frequency of friction melanosis in general population by questionnaires] Baba A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1215–23 **(Jpn)**
[Light and electron microscopic immunohistochemistry of solar elastosis: a study with cutis rhomboidalis nuchae] Matsuda M. **Nippon Hifuka Gakkai Zasshi** 1987 Jan; 97(1):47–60 **(Jpn)**
[Ano–sacral cutaneous amyloidosis—dylon positive material does not react with monoclonal antikeratin antibody EKH4] Mukai H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1247–51 **(Jpn)**
[Mechanism of bullous formation in porphyria cutanea tarda. 1. Histopathological observation of bullae in 3 cases of porphyria cutanea tarda] Nagato N, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):471–7 **(Jpn)**
[A case of Bence Jones (gamma) type multiple myeloma, presenting multiple cutaneous lesions] Takeuchi R, et al. **Nippon Naika Gakkai Zasshi** 1987 Mar;76(3):453–4 **(Jpn)**
[Macroglobulinemia with specific skin lesions] Noda Y, et al. **Rinsho Ketsueki** 1986 Dec;27(12):2298–303 (Eng. Abstr.) **(Jpn)**
[Transient acantholytic dermatosis. Presentation of a case] Azulay–Abulafia L, et al. **Med Cutan Ibero Lat Am** 1986; 14(5):345–8 (Eng. Abstr.) **(Por)**
[Polyarteritis nodosa cutanea] Santiago MB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1986 May–Jun; 41(3):113–6 (Eng. Abstr.) **(Por)**
[External ileorectal fistula not completely removed during appendectomy] Papazov FK, et al. **Klin Khir** 1987;(2):37–8 **(Rus)**
[Hopf's acrokeratosis verruciformis] Belov AS, et al. **Vestn Dermatol Venerol** 1986;(7):60–2 (Eng. Abstr.) **(Rus)**
[Analysis of morphologic studies in the diagnosis of skin diseases (data of the Central Institute of Dermatologic and Venereal Diseases)] Kalaĭnkarian AA, et al. **Vestn Dermatol Venerol** 1986;(12):12–6 (Eng. Abstr.) **(Rus)**
[Sweet's syndrome] Kotov AA. **Vestn Dermatol Venerol** 1986;(9):51–4 (Eng. Abstr.) **(Rus)**
[Changes in the eye in skin diseases] Mozherenkov VP, et al. **Vestn Dermatol Venerol** 1987;(2):23–7 (60 ref.) **(Rus)**
[Clinico-morphological parallels in annular granuloma and necrobiosis lipoidica and their association with diabetes mellitus (review of the literature and personal data)] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1986; (12):4–12 (61 ref.) (Eng. Abstr.) **(Rus)**
[Epidermoid carcinoma or keratoacanthoma? (letter)] Estruch R, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):477 **(Spa)**

PHYSIOPATHOLOGY

Relationship of cutaneous sarcoidosis to systemic disease. Callen JP. **Clin Dermatol** 1986 Oct–Dec;4(4):46–53 (37 ref.)
Pathway to carrageenan-induced inflammation in the hind limb of the rat. Vinegar R, et al. **Fed Proc** 1987 Jan; 46(1):118–26
Hydration characteristics of pathologic stratum corneum—evaluation of bound water. Takenouchi M, et al. **J Invest Dermatol** 1986 Nov;87(5):574–6
Role of reactive oxygen species and free radicals from melanins in photoinduced cutaneous inflammations. Ranadive NS, et al. **Pathol Immunopathol Res** 1986; 5(2):118–39 (154 ref.)
[Pre-remission syndrome in flat warts. Report of 2 cases] Baradad M, et al. **Med Cutan Ibero Lat Am** 1987;15(1):75–9 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Sunscreens and their use in the preventive treatment of sunlight-induced skin damage. Pathak MA. **J Dermatol Surg Oncol** 1987 Jul;13(7):739–50 (18 ref.)
Use of tunica vaginalis to prevent fistulas in hypospadias surgery. Snow BW. **J Urol** 1986 Oct;136(4):861–3
Peristomal skin integrity. Broadwell DC. **Nurs Clin North Am** 1987 Jun;22(2):321–32
[Effectiveness of Alphastria cream in the prevention of pregnancy stretch marks (striae distensae). Results of a double-blind study] de Buman M, et al. **Gynakol Rundsch** 1987;27(2):79–84 (Eng. Abstr.) **(Ger)**
[Protective compounds and chemical reagents for protecting the skin from external agents in the patent literature 1974–1984] Tankov IuP, et al. **Vestn Dermatol Venerol** 1987;(3):58–60 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Erythropoietic protoporphyria: a study of its psychosocial aspects. Rufener EA. **Br J Dermatol** 1987 May;116(5):703–8
Psychogenic skin disease: a review of 35 cases. Sheppard NP, et al. **Br J Psychiatry** 1986 Nov;149:636–43
Some indigenous beliefs and practices connected with cutaneous disorders. Katugampola G. **Ceylon Med J** 1985 Dec;30(4):203–6
A few characteristic features of the patients with psychosomatic skin disturbances: a projective study. Paik MM, et al. **Indian J Dermatol** 1985 Jul;30(3):13–22
Developmental and psychosocial considerations in pediatric dermatology practice. Rauch P, et al. **Pediatr Dermatol** 1986 Nov;3(5):380–3
[Use of pimozide in the treatment of dermatoses of psychogenic origin] Delfino M, et al. **G Ital Dermatol Venereol** 1987 Mar;122(3):139–41 (Eng. Abstr.) **(Ita)**
[Impact of psychosomatic factors in dermatologic pathology. A questionnaire research on the evaluation of dermatology specialists and general physicians] Meluzzi A, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):253–60 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Dermal breast calcifications: localization with template-guided placement of skin marker. Berkowitz JE, et al. **Radiology** 1987 Apr;163(1):282

RADIONUCLIDE IMAGING

Gallium uptake in cutaneous sarcoidosis. Glickstein MF, et al. **Clin Nucl Med** 1986 Feb;11(2):119–20
Accumulation of indium-111-labeled neutrophils and gallium-67 citrate in rabbit abscesses. Bitar RA, et al. **J Nucl Med** 1986 Dec;27(12):1883–9

RADIOTHERAPY

Dermatologic radiotherapy. The risk-benefit ratio [editorial] Goldschmidt H. **Arch Dermatol** 1986 Dec;122(12):1385–8
Malignancies after Grenz-Ray therapy [letter] Kalz F. **Arch Dermatol** 1987 May;123(5):566
Incidence of malignant skin tumors in 14,140 patients after grenz-ray treatment for benign skin disorders. Lindelöf B, et al. **Arch Dermatol** 1986 Dec;122(12):1391–5
Cutaneous Waldenström's macroglobulinemia. A report of a case successfully treated with radiotherapy. Orengo IF, et al. **Cancer** 1987 Sep 15;60(6):1341–5
Dosimetry in phototherapy cabinets. Fanselow D, et al. **J Am Acad Dermatol** 1987 Jul;17(1):74–7
Radiation therapy in dermatologic training centers [letter] Polano MK. **J Am Acad Dermatol** 1987 Jun;16(6):1267–8
Dosimetric study of total skin irradiation with a scanning beam electron accelerator. Sharma SC, et al. **Med Phys** 1987 May–Jun;14(3):355–8
Radiotherapy of pancreatic fistula. Hishikawa Y, et al. **Radiat Med** 1986 Jan–Mar;4(1):27–8
[Conversion of the ultraviolet lamp SL 500 to a halogen metal vapor lamp of the NS 400 type] Biella U, et al. **Dermatol Monatsschr** 1986;172(11):672–4 **(Ger)**

SURGERY

Antibiotic prophylaxis and dermatologic surgery [letter] Lycka B. **Arch Dermatol** 1987 Apr;123(4):424–5
Benign skin and soft-tissue tumors of the hand. Shenaq SM. **Clin Plast Surg** 1987 Apr;14(2):403–12 (51 ref.)
Nonexcisional therapy for benign skin lesions. Stal S, et al. **Clin Plast Surg** 1987 Apr;14(2):237–42
Cysts and cyst-like lesions of the skin and subcutaneous tissue. Thaller SR, et al. **Clin Plast Surg** 1987 Apr; 14(2):327–40 (42 ref.)
Advanced dermatologic surgery. **Dermatol Clin** 1987 Apr; 5(2):259–466
Laser therapy of the skin. A review of principles and applications. Bailin PL, et al. **Dermatol Clin** 1987 Apr; 5(2):259–85
Electrosurgical fundamentals. Boughton RS, et al. **J Am Acad Dermatol** 1987 Apr;16(4):862–7
Keratoacanthomas treated with Mohs' micrographic surgery (chemosurgery). A review of forty-three cases. Larson PO. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1040–4
Acute surgical complications: cause, prevention, and treatment. Salasche SJ. **J Am Acad Dermatol** 1986 Dec; 15(6):1163–85
Laser surgery for children. Brauner GJ, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):178–86
The pulsed dye laser: its use at 577 nm wavelength. Garden JM, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):134–8
Multiple eruptive vellus hair cysts treated with carbon dioxide laser vaporization. Huerter CJ, et al. **J Dermatol Surg Oncol** 1987 Mar;13(3):260–3
Razor blade surgery of keratoacanthoma. Johannesson A. **J Dermatol Surg Oncol** 1986 Oct;12(10):1056–7
Surgical treatment of livedo vasculitis. Teman J, et al. **J Dermatol Surg Oncol** 1987 Aug;13(8):893–7
Use of Freon 12 in treating verruca lesions. McDow RA, et al. **J Fam Pract** 1987 Jul;25(1):73, 76–7
Some ancillary procedures for correction of depressed adherent tracheostomy scars and associated tracheocutaneous fistulae. Lewis VL Jr, et al. **J Trauma** 1987 Jun;27(6):651–5
Preliminary report on use of the neodymium-YAG laser in plastic surgery. Apfelberg DB, et al. **Lasers Surg Med** 1987; 7(2):189–98
Laser dermatology—1985. Goldman L. **Lasers Surg Med** 1986;6(4):387–8
Closure of orocutaneous and pharyngocutaneous fistulas [letter] Raman R, et al. **Plast Reconstr Surg** 1987 Feb; 79(2):310

Flexible rhombic flap [letter] Stegman SJ. **Plast Reconstr Surg** 1987 Mar;79(3):497–9

Office management of epithelial cysts and cutaneous abscesses. Caruthers LD, et al. **Primary Care** 1986 Sep; 13(3):477–91 (17 ref.)

[Use of cryoincision using a cryogenic knife in the treatment of skin diseases] Ni RZ. **Chung Hua I Hsueh Tsa Chih** 1986 May;66(5):300–1 **(Chi)**

[Cutaneous expansion by inflatable implant] Marchac D, et al. **Ann Dermatol Venereol** 1986;113(4):329–37 (Eng. Abstr.) **(Fre)**

[Therapeutic experiences with the argon laser in dermatology] Eichmann A, et al. **Schweiz Rundsch Med Prax** 1987 Jul 7;76(28):806–9 (Eng. Abstr.) **(Ger)**

[Argon laser therapy in dermatology] Fürnsinn G. **Z Hautkr** 1987 May 1;62(9):715–22 (Eng. Abstr.) **(Ger)**

[Telethermographic aspects of dermabrasion including the management of postoperative wounds] Issing K, et al. **Z Hautkr** 1987 Jul 1;62(13):1007–28 (Eng. Abstr.) **(Ger)**

[Surgical rehabilitation of patients with external intestinal fistulas] Denisov IN, et al. **Klin Khir** 1987;(2):28–9 **(Rus)**

[Treatment of epithelial coccygeal fistulas] Obatnin IuI, et al. **Klin Khir** 1987;(2):53 **(Rus)**

[Autodermoplasty in diseases of the perineum and sacrococcygeal area] Sakhautdinov VG, et al. **Sov Med** 1986;(11):72–4 **(Rus)**

[Therapeutic procedure in the ossification of cephalohematomas] Brodskiĭ IuS, et al. **Vrach Delo** 1987 Jul;(7):73–6 (Eng. Abstr.) **(Rus)**

THERAPY

Interferon. Promises, disappointments, and tempered optimism. Edwards L. **Arch Dermatol** 1987 Jun; 123(6):743–4

Plasmapheresis in a patient with scleromyxedema. Westheim AI, et al. **Arch Dermatol** 1987 Jun;123(6):786–9

Tropical skin disorders. Millar P. **Aust Fam Physician** 1987 Feb;16(2):106–8

Treatment of urethrocutaneous fistulae with a two-component fibrin adhesive (Beriplast). Luke M, et al. **Br J Urol** 1987 Jul;60(1):87–8

Scleromyxedema: systemic manifestations and cosmetic improvement from dermabrasion. Kaufman D, et al. **Cutis** 1987 Apr;39(4):321–4

DERM/RX. A computer aid to the management of diseases of the skin. Kopf AW, et al. **Dermatol Clin** 1986 Oct; 4(4):589–98

Acupuncture and pain in dermatology. Nielsen M. **Dermatologica** 1986;173(3):143–5

Application techniques for corrective and camouflage cosmetics. Roberts FL, et al. **Ear Nose Throat J** 1987 Jan; 66(1):12–8

Uses and abuses of cosmetics. Roberts NC. **Ear Nose Throat J** 1987 Jan;66(1):4–5

Postoperative biliocutaneous fistula: successful treatment by insertion of an endoprosthesis. van Steenbergen W, et al. **Endoscopy** 1987 Jan;19(1):34–6

Dermatologic therapy: December 1985 to December 1986. Coskey RJ. **J Am Acad Dermatol** 1987 Jun;16(6):1219–25 (48 ref.)

Treatment of telangiectasia: a review. Goldman MP, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):167–82 (111 ref.)

Iontophoresis in dermatology. A review. Sloan JB, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):671–84 (108 ref.)

Five cases of porphyria cutanea tarda with mild cutaneous changes: evaluation of the efficacy of phlebotomy by the pattern analysis of urinary porphyrins. Nonaka S, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):196–202

Keratinocyte grafting: covering of skin defects by separated autologous keratinocytes in a fibrin net [letter] Hunyadi J, et al. **J Invest Dermatol** 1987 Jul;89(1):119–20

External gastrointestinal fistulas. Principles of management and treatment. Bergamini TM, et al. **J Ky Med Assoc** 1987 Apr;85(4):186–90

Treatment of hemodialysis-related porphyria cutanea tarda with small repeated phlebotomies. Riccioni N, et al. **Nephron** 1987;46(2):125–7

[New possibilities in the treatment of serious skin diseases] Rozsívalová V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1985;28(1):83–90 (Eng. Abstr.) **(Cze)**

[Clinical and experimental white atrophy] Van der Molen HR. **Phlebologie** 1986 Jul–Sep;39(3):607–16 (Eng. Abstr.) **(Fre)**

[Patient referral between general medicine and ambulatory dermatologic care] Lohfink HD. **Z Arztl Fortbild (Jena)** 1987;81(7):313–5 **(Ger)**

[Cutaneous artefacts—possibilities for treatment and their limits] Gieler U, et al. **Z Hautkr** 1987 Jun 1;62(11):882–90 (Eng. Abstr.) **(Ger)**

[Magnetic-fluid obturation of external intestinal fistulas] Frank VA. **Klin Khir** 1987;(2):7–8 (Eng. Abstr.) **(Rus)**

[Characteristics of the dispensary care of patients with dermatoses exacerbated by a carbohydrate metabolic disorder] Antonʹev AA, et al. **Vestn Dermatol Venerol** 1987; (4):46–7 (Eng. Abstr.) **(Rus)**

[Experience in using pulsating currents in the treatment of various dermatoses] Gorialnova LK, et al. **Vestn Dermatol Venerol** 1987;(1):25–9 (Eng. Abstr.) **(Rus)**

[Effect of enterosorption on the microcirculation and the clinical picture in pruritic dermatoses] Grando SA, et al. **Vestn Dermatol Venerol** 1987;(2):41–4 (Eng. Abstr.) **(Rus)**

[Dermatologic diseases in the traditional medicine of Mexico] Zurita Esquivel M, et al. **Bol Of Sanit Panam** 1986 Oct; 101(4):339–47 (Eng. Abstr.) **(Spa)**

VETERINARY

Some characteristics of the antibodies involved in allergic skin reactions of the horse to biting insects. Morrow AN, et al. **Br Vet J** 1987 Jan–Feb;143(1):59–69

Avidin–biotin–peroxidase complex immunohistochemistry to detect immunoglobulin in formalin fixed skin biopsies in canine autoimmune skin disease. Haines DM, et al. **Can J Vet Res** 1987 Jan;51(1):104–9

Acidic glycosaminoglycans, isolation and structural analysis of a proteodermatan sulfate from dermatosparactic calf skin. Matsunaga E, et al. **Coll Relat Res** 1987 Feb; 6(6):467–79

Morphometric study of cauliflower collagen fibrils in dermatosparaxis of the calves. Piérard GE, et al. **Coll Relat Res** 1987 Feb;6(6):481–92

Newly recognized and emerging genodermatoses in domestic animals. Dunstan RW, et al. **Curr Probl Dermatol** 1987; 17:216–35

Unusual multisystemic pathology in a sperm whale bull. Lambertsen RH, et al. **J Wildl Dis** 1987 Jul;23(3):510–4

The relationship between the skin and some bacterial species occurring on it in the Merino. Jansen BC, et al. **Onderstepoort J Vet Res** 1987 Jun;54(2):107–11

Localization of immunoglobulins and complement by the peroxidase antiperoxidase method in autoimmune and non-autoimmune canine dermatopathies. Moore FM, et al. **Vet Immunol Immunopathol** 1987 Jan;14(1):1–9

The external ear in skin diseases of dogs and cats: a diagnostic challenge. Wisselink MA. **Vet Q** 1986 Oct;8(4):318–28 (13 ref.)

[Chemical study of body organs in papular dermatitis in fattened pigs] Raszyk J. **Vet Med (Praha)** 1987 Jan; 32(1):19–26 (Eng. Abstr.) **(Cze)**

[The clinical course and differential diagnosis of papular dermatitis in fattened pigs] Raszyk J. **Vet Med (Praha)** 1986 Sep;31(9):531–40 (Eng. Abstr.) **(Cze)**

[Biological, chemical and pathohistologic study of the skin in papular dermatitis in fattened pigs] Raszyk J. **Vet Med (Praha)** 1986 Oct;31(10):609–20 (Eng. Abstr.) **(Cze)**

SKIN DISEASES, BULLOUS

Bullous pemphigoid. **Clin Dermatol** 1987 Jan–Mar;5(1):1–170

Bullous pemphigoid. Clinical features. Ahmed AR, et al. **Clin Dermatol** 1987 Jan–Mar;5(1):6–12 (45 ref.)

Childhood bullous pemphigoid. Bean SF. **Clin Dermatol** 1987 Jan–Mar;5(1):13–7 (17 ref.)

Cicatricial pemphigoid. Foster CS. **Trans Am Ophthalmol Soc** 1986;84:527–663

[Herpes gestationis] Lacour JP. **Ann Dermatol Venereol** 1986; 113(9):861–3 **(Fre)**

CHEMICALLY INDUCED

Penicillamine-induced bullous pemphigoid–like eruption [letter] Brown MD, et al. **Arch Dermatol** 1987 Sep; 123(9):1119–20

Acute bullous dermatosis and onycholysis due to high-dose methotrexate and leucovorin calcium [letter] Chang JC. **Arch Dermatol** 1987 Aug;123(8):990–2

Linear IgA bullous dermatosis related to lithium carbonate [letter] McWhirter JD, et al. **Arch Dermatol** 1987 Sep; 123(9):1120–2

Local necrosis and interstitial nephritis due to topical methyl salicylate and menthol. Heng MC. **Cutis** 1987 May; 39(5):442–4

Cutaneous associations of chronic renal failure and dialysis. Gupta AK, et al. **Int J Dermatol** 1986 Oct;25(8):498–504 (103 ref.)

Pustular eruptions following administration of cefazolin: a possible interaction with methyldopa [letter] Stough D, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1051–2

Mefenamic acid–induced bullous pemphigoid. Shepherd AN, et al. **Postgrad Med J** 1986 Jan;62(723):67–8

HLA phenotypes and bullous cutaneous reactions to drugs. Roujeau JC, et al. **Tissue Antigens** 1986 Oct;28(4):251–4

[An unusual case: hemorrhagic bullous pemphigoid following furosemide treatment] Ingber A, et al. **Z Hautkr** 1986 Nov 1;61(21):1554–6 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Clinical variants of pemphigoid [letter] Chorzelski TP, et al. **Int J Dermatol** 1986 Dec;25(10):669–70

COMPLICATIONS

Immunofluorescence of the nail bed in pemphigoid. Barth JH, et al. **Am J Dermatopathol** 1987 Aug;9(4):349–50

Severe upper airway obstruction and difficult intubation in cicatricial pemphigoid. Drenger B, et al. **Anaesthesia** 1986 Oct;41(10):1029–31

Bullous eruption in a patient with lupus erythematosus. Rock B, et al. **Arch Dermatol** 1987 Jul;123(7):938, 940–1

Monoclonal IgG gammopathy in a case of pustular psoriasis. A ten year follow-up [letter] Humbert P, et al. **Blut** 1987 Jan;54(1):61–2

Adult linear IgA bullous dermatosis with bronchial involvement. Verhelst F, et al. **Br J Dermatol** 1987 Apr; 116(4):587–90

Bullous pemphigoid: associated diseases. Dahl MV. **Clin Dermatol** 1987 Jan–Mar;5(1):64–70 (53 ref.)

Pemphigoid and malignancy. Schroeter AL. **Clin Dermatol** 1987 Jan–Mar;5(1):60–3 (39 ref.)

Haemorrhagic pompholyx is a sign of bullous pemphigoid and an indication for low-dose prednisolone therapy. Barth JH, et al. **Clin Exp Dermatol** 1986 Jul;11(4):409–12

Necrotizing fasciitis. Review of the literature and case report. Wilkerson R, et al. **Clin Orthop** 1987 Mar;(216):187–92

Association of vesiculobullous eruptions with mycosis fungoides. Maeda K, et al. **Dermatologica** 1987;174(1):34–8

Acute generalized exanthematous pustular dermatitis and viral infection. Rouchouse B, et al. **Dermatologica** 1986; 173(4):180–4

Dermatological diseases and the peripheral cornea. Mondino BJ, et al. **Int Ophthalmol Clin** 1986 Winter;26(4):121–36

Localized chronic pemphigoid as an unusual cause of circulatory eosinophilia. Alcalay J, et al. **Isr J Med Sci** 1987 Apr;23(4):292–3

Nuclear vacuolar acantholytic vesicular dermatitis associated with leukocytoclastic vasculitis. Minkowitz S, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1083–9

Acanthosis palmaris in a patient with bullous pemphigoid. Razzack EM, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):217–9

Linear IgA disease and oesophageal carcinoma. Green ST, et al. **J R Soc Med** 1987 Jan;80(1):48–9

Pseudomonas septicemia with nodules and bullae. Fleming MG, et al. **Pediatr Dermatol** 1987 May;4(1):18–20

[Histopathological analysis of desquamative gingival lesions] Meng HX. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jul; 21(4):203–5, 252–3 (Eng. Abstr.) **(Chi)**

[Degos disease: apropos of a case with a genital localization] Meazza A, et al. **J Urol (Paris)** 1986;92(4):262–3 **(Fre)**

[Pemphigus–pemphigoid mixed bullous dermatosis in chronic lymphatic leukemia] Aloi FG, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):343–8 (Eng. Abstr.) **(Ita)**

[Chronic pemphigus vulgaris associated with ulcerative rectocolitis. Apropos of a clinical case] Fabbri P, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):355–9 (Eng. Abstr.) **(Ita)**

[Association of erosive lichen of the mucosa, chronic hepatopathy of uncertain classification, bullous pemphigoid (letter)] Rotoli M, et al. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):310 **(Ita)**

CONGENITAL

Extensive congenital erosions and vesicles healing with reticulate scarring. Gupta AK, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):369–76

DIAGNOSIS

Herpes gestationis. Jørgensen EH, et al. **Acta Obstet Gynecol Scand** 1987;66(2):175–7

Localized bullous pemphigoid. A mimic of acute contact dermatitis. Salomon RJ, et al. **Arch Dermatol** 1987 Mar; 123(3):389–92

Juvenile blistering diseases: the problems of diagnosis and treatment. Piamphongsant T, et al. **Asian Pac J Allergy Immunol** 1986 Dec;4(2):133–7

Immunopathologic diagnosis of oral mucosal inflammatory diseases. Rogers RS 3d, et al. **Australas J Dermatol** 1986 Aug;27(2):51–7

Cicatricial pemphigoid of upper digestive and respiratory tracts. Bergstrom L. **Clin Dermatol** 1987 Jan–Mar; 5(1):36–42

Oral involvement in mucous membrane pemphigoid. Gallagher G, et al. **Clin Dermatol** 1987 Jan–Mar;5(1):18–27 (18 ref.)

Ocular pemphigoid. Mondino BJ, et al. **Clin Dermatol** 1987 Jan–Mar;5(1):28–35 (21 ref.)

Skin immunofluorescence in the diagnosis of primary bullous diseases—a review of 279 cases. Maurice PD, et al. **Clin Exp Dermatol** 1986 Jul;11(4):352–64

Who is Nikolsky and what does his sign mean? [letter] Doubleday CW. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1054–5

Bullous pemphigoid. Korman N. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):907–24 (139 ref.)

Tear glycoprotein determinations in the diagnosis and differential diagnosis of dry eyes. Berta A, et al. **Scand J Rheumatol [Suppl]** 1986;61:228–33

[Sneddon–Wilkinson subcorneal pustulosis] Faucher F. **Ann Dermatol Venereol** 1987;114(4):605–6 **(Fre)**

[Oral aspects of cicatricial pemphigoid. What is left of "desquamative gingivitis"?] Kuffer R. **Ann Dermatol Venereol** 1987;114(4):621–30 **(Fre)**

[Vesiculo-bullous lupus erythematosus. Immuno-electronic study] Lambert D, et al. **Ann Dermatol Venereol** 1986; 113(8):665–9 (Eng. Abstr.) **(Fre)**

[A case for diagnosis: Degos' malignant atrophic papulosis] Prigent F. **Ann Dermatol Venereol** 1987;114(4):589–91 **(Fre)**

[Immunoelectron microscopy. Diagnostic value in dermatology] Prost C. **Ann Dermatol Venereol** 1987;

114(3):431-7 (Fre)
[Herpes gestationis] Merk H, et al.
Dtsch Med Wochenschr 1987 Jul 31;112(31-32):1235-6 (Ger)
[Sneddon-Wilkinson disease in a 30-month-old child] Rosińska-Borkowska D, et al. **Przegl Dermatol** 1986 Sep-Oct;73(5):406-8 (Eng. Abstr.) (Pol)
[Lymphomatoid papulosis] Roszkiewicz J, et al.
Przegl Dermatol 1986 Sep-Oct;73(5):388-92 (Eng. Abstr.) (Pol)
[Bullous form of sclerotic and atrophic lichen] Loseva VA, et al. **Vestn Dermatol Venerol** 1986;(12):39-41 (Eng. Abstr.) (Rus)
[Impression cytodiagnosis of ocular cicatricial pemphigoid] Nikolić Lj, et al. **Srp Arh Celok Lek** 1986 Nov-Dec; 114(11-12):1011-7 (Eng. Abstr.) (Scc)

DIET THERAPY

Experience with a gluten free diet in the treatment of linear IgA disease. Leonard JN, et al.
Acta Derm Venereol (Stockh) 1987;67(2):145-8

DRUG THERAPY

Dapsone and sulfapyridine therapy of pemphigoid diseases. Rogers RS 3d. **Australas J Dermatol** 1986 Aug;27(2):58-63
Ritodrine and pyridoxine in herpes gestationis [letter] Costa C, et al. **Dermatologica** 1986;173(2):102-3
Bullous pemphigoid controlled by tetracycline. Thornfeldt CR, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):305-10
Topical tretinoin treatment for severe dry-eye disorders. Tseng SC. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):860-6
Topical retinoic acid treatment of drug-induced pseudopemphigoid. Herbort CP, et al. **Ophthalmologica** 1986;193(1-2):27-33
[Cyclosporin in the treatment of bullous pemphigoid: preliminary study] Barthélémy H, et al.
Ann Dermatol Venereol 1986;113(4):309-13 (Eng. Abstr.) (Fre)
[Immediate treatment of bullous pemphigus with a corticosteroid-cyclophosphamide combination] Taieb A, et al. **Ann Dermatol Venereol** 1986;113(12):1223-9 (Eng. Abstr.) (Fre)
[Vitamin A therapy of pemphigoid of the conjunctiva] Tseng CG, et al. **Fortschr Ophthalmol** 1986;83(6):637-40 (Eng. Abstr.) (Ger)
[Functional activity of the hypophysis, the adrenal cortex and the pancreas in patients with vesicular dermatoses during combination immunosuppressive therapy]
Glukhen'kil BT, et al. **Vestn Dermatol Venerol** 1986; (10):51-3 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Elevated levels of human collagenase inhibitor in blister fluids of diverse etiology. Welgus HG, et al.
J Invest Dermatol 1986 Nov;87(5):592-6

ETIOLOGY

Hemorrhagic bullae in an anemic women. Paroxysmal nocturnal hemoglobinuria (PNH). Draelos ZK, et al.
Arch Dermatol 1986 Nov;122(11):1326-7, 1329-30
Pustulotic arthro-osteitis in children and adults. A report of 13 cases. Huaux JP, et al. **Clin Exp Rheumatol** 1987 Apr-Jun;5(2):143-6
On the case report of 'Bullous reaction in leprosy' [letter] Kulkarni B. **Indian J Lepr** 1986 Apr-Jun;58(2):354
A characteristic vesiculobullous eruption in patients with chronic lymphocytic leukemia. Rosen LB, et al.
J Am Acad Dermatol 1986 Nov;15(5 Pt 1):943-50
[Idiopathic bullous disease in diabetics] Mazer JM, et al.
Ann Dermatol Venereol 1987;114(4):593-7 (Fre)
[Bullous skin diseases] Pierard GE, et al. **Rev Med Liege** 1986 Aug 1-15;41(15-16):591-601 (Fre)
[Bullous photodermatitis following contact with the stem sap of the giant bear claw (Heracleum mantegazzianum)] Tiedemann A, et al. **Z Arztl Fortbild (Jena)** 1987; 81(5):235-6 (Ger)

FAMILIAL & GENETIC

[The bullous form of Brocq's congenital ichthyosiform erythroderma in 3 generations] Akulov IuS, et al.
Vestn Dermatol Venerol 1987;(1):45-7 (Eng. Abstr.) (Rus)

HISTORY

Historical perspective of bullous pemphigoid. Lever WF.
Clin Dermatol 1987 Jan-Mar;5(1):1-5

IMMUNOLOGY

Intercellular IgA dermatosis with clinical features of subcorneal pustular dermatosis. Hashimoto T, et al.
Arch Dermatol 1987 Aug;123(8):1062-5
Reticulin and endomysial antibodies in bullous diseases. Comparison of specificity and sensitivity. Kumar V, et al.
Arch Dermatol 1987 Sep;123(9):1179-82
Animal models for bullous pemphigoid. Anhalt GJ, et al.
Clin Dermatol 1987 Jan-Mar;5(1):117-25 (38 ref.)
Bullous pemphigoid and other basement membrane antigens. Diaz LA, et al. **Clin Dermatol** 1987 Jan-Mar;5(1):93-109 (88 ref.)
Immune complex-mediated complement activation in bullous pemphigoid. Gammon WR. **Clin Dermatol** 1987 Jan-Mar; 5(1):110-6 (25 ref.)
The immunopathology of bullous pemphigoid. Imber MJ, et al. **Clin Dermatol** 1987 Jan-Mar;5(1):81-92 (83 ref.)
The molecular pathogenesis of bullous pemphigoid. Wintroub BU, et al. **Clin Dermatol** 1987 Jan-Mar;5(1):126-34 (45 ref.)
Bullous pemphigoid: disease of the aging immune system. Yaar M, et al. **Clin Dermatol** 1987 Jan-Mar;5(1):135-45 (127 ref.)
Circulating antibodies to gliadin subfractions in dermatitis herpetiformis and linear IgA dermatosis of adults and children. Ciclitira PJ, et al. **Clin Exp Dermatol** 1986 Sep; 11(5):502-9
Linear IgA bullous disease in a patient with transitional cell carcinoma of the bladder. Sekula SA, et al. **Cutis** 1986 Dec; 38(6):354-6, 362
Detection of antigliadin antibodies in bullous diseases and their recognition of similar antigenic polypeptides. Kumar V, et al. **Int Arch Allergy Appl Immunol** 1987;83(2):155-9
Bullous pemphigoid autoantibodies are markers of corneal epithelial hemidesmosomes. Anhalt GJ, et al.
Invest Ophthalmol Vis Sci 1987 May;28(5):903-7
Two types of linear IgA bullous dermatosis [letter] Beutner EH, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):390-1
Linear immunofluorescence staining of the cutaneous basement membrane zone produced by pemphigoid antibodies: the result of hemidesmosome staining. Mutasim DF, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):75-82
Induction of pemphigoid lesions in neonatal mice. Mitsuhashi Y, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):259-65
Localized pemphigoid: a case report showing in situ deposition as well as presence in serum of IgG and IgA anti-basement membrane zone antibodies. Sugihara K, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):73-6
Chronic bullous dermatosis of childhood: immunopathologic studies. Roberts LJ, et al. **Pediatr Dermatol** 1987 May; 4(1):6-10
Basement membrane reactivity of antisera to type IV collagen and sera from patients with bullous pemphigoid and epidermolysis bullosa acquisita. Peng TK, et al.
Proc Natl Sci Counc Repub China [B] 1984 Jul;8(3):268-73
[Bullous pemphigoid with pemphigus type antibodies in vivo. 2 cases] Bernard P, et al. **Ann Dermatol Venereol** 1986; 113(8):671-6 (Eng. Abstr.) (Fre)
[Impairment of sheep erythrocyte rosette formation by sera from patients with bullous pemphigoid] Schaller J, et al.
Dermatol Monatsschr 1986;172(9):535-40 (Eng. Abstr.) (Ger)
[New immunological aspects in bullous diseases (editorial)] Ingber A, et al. **Harefuah** 1987 Feb 1;112(3):151-3 (Heb)
[Dermo-epidermal blister formation in normal human skin in organ culture by linear IgA dermatosis sera] Akahoshi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug; 96(9):921-6 (Jpn)
[Role of humoral factors in the etiology of immunopathologic lesions of connective and epithelial tissues in patients with systemic dermatoses] Butov IuS.
Vestn Dermatol Venerol 1986;(12):17-9 (Eng. Abstr.) (Rus)

METABOLISM

Discrepancy between the localization of in vivo bound immunoglobulins in the skin and in vitro binding sites of circulating anti-BMZ antibodies in bullous pemphigoid: immunoelectron microscopic studies. Horiguchi Y, et al.
J Invest Dermatol 1986 Dec;87(6):715-9

MICROBIOLOGY

Group B streptococcal blistering distal dactylitis in an adult diabetic [letter] Benson PM, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):310-1

MORTALITY

Death in bullous pemphigoid. Savin JA. **Clin Dermatol** 1987 Jan-Mar;5(1):52-9 (45 ref.)

PATHOLOGY

Scanning electron microscopy of conjunctival surfaces in patients with ocular cicatricial pemphigoid. Foster CS, et al. **Am J Ophthalmol** 1986 Nov 15;102(5):584-91
Clonal composition of T cells in lymphomatoid papulosis. Kadin ME, et al. **Am J Pathol** 1987 Jan;126(1):13-7
Diffuse bullous eruption in a 3-month-old infant [clinical conference] Zebede MS, et al. **Ann Allergy** 1987 Jan; 58(1):12-3, 63-6
Infantile acropustulosis. A clinicopathologic study of six cases. Vignon-Pennamen MD, et al. **Arch Dermatol** 1986 Oct;122(10):1155-60
Pathology of pemphigoid. Flotte TJ. **Clin Dermatol** 1987 Jan-Mar;5(1):71-80 (68 ref.)
Cutaneous involvement in localized forms of bullous pemphigoid. Kaplan RP. **Clin Dermatol** 1987 Jan-Mar; 5(1):43-51 (46 ref.)
Localized cicatricial pemphigoid (Brunsting-Perry syndrome). Gibson V, et al. **Cutis** 1986 Oct;38(4):252-3
Scleromyxedema. Mittal R, et al. **Indian J Dermatol** 1985 Jul;30(3):33-7
Blood eosinophilia as a severity marker for bullous pemphigoid [letter] Bernard P, et al.
J Am Acad Dermatol 1987 Apr;16(4):879-81
Bullosis diabeticorum [letter] Goodfield MJ, et al.
J Am Acad Dermatol 1986 Dec;15(6):1292-4
Sterile eosinophilic pustulosis in dog and man: comparative aspects. Scott DW. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1022-6
Red, blistering, and erosive lesions of the oral mucosa. Mantich NM, et al. **J Am Dent Assoc** 1987 Sep;115(3):457-8
Infection and immunosuppression. A case report. Ward RJ, et al. **J Am Podiatr Med Assoc** 1987 Apr;77(4):182-5
Painful papule of the ear: a follicular disorder. Hurwitz RM.
J Dermatol Surg Oncol 1987 Mar;13(3):270-4
A bullous variant of Kaposi's sarcoma in an elderly female. Recht B, et al. **J Dermatol Surg Oncol** 1986 Nov; 12(11):1192-7
A unique case of subepidermal bullous disease. Toda K, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):141-6
Mononuclear cell infiltrates in bullous disease. Nestor MS, et al. **J Invest Dermatol** 1987 Feb;88(2):172-5
An unusual bullous reaction in borderline leprosy. Singh K.
Lepr Rev 1987 Mar;58(1):61-7
Lichen planus pemphigoides: report of a case with oral lesions. Allen CM, et al.
Oral Surg Oral Med Oral Pathol 1987 Feb;63(2):184-8
[Differential fluorescence immunology diagnosis of acquired subepidermal bullous dermatoses caused by artificial NaCl separation of the dermoepidermal junction zone] Kühn G, et al. **Dermatol Monatsschr** 1987;173(5):281-4 (Ger)
[Pustulosis subcornealis Sneddon-Wilkinson and metastasizing seminoma—random coincidence or cutaneous paraneoplasia?] Pambor M, et al.
Dermatol Monatsschr 1987;173(1):33-9 (Eng. Abstr.) (Ger)
[Psoriasis vulgaris partim inversa and bullous pemphigoid. Case report and short review of the literature] Wollina U, et al. **Dermatol Monatsschr** 1987;173(1):29-32 (Eng. Abstr.) (Ger)
[Bullosis diabeticorum: 2 follow-up studies] Börner C, et al.
Med Klin 1987 Feb 27;82(4):165-8 (Ger)
[Urticaria-vasculitis with bullous eruptions in visceral lupus erythematosus] Faulhaber G, et al. **Z Hautkr** 1987 Jun 1; 62(11):839-40, 843-4 (Eng. Abstr.) (Ger)
[Benign chronic bullous dermatosis in childhood with involvement of the mouth mucosa] Gassenmaier A, et al.
Z Hautkr 1986 Aug 15;61(16):1187-94 (Eng. Abstr.) (Ger)
[Scarring linear IgA dermatosis in the adult] Kurz K, et al.
Z Hautkr 1986 Oct 15;61(20):1447-55 (Eng. Abstr.) (Ger)
[Eosinophilic spongiosis in various vesicobullous diseases] Ziv R, et al. **Harefuah** 1986 Dec 1;111(11):362-4 (Eng. Abstr.) (Heb)
[A case of transient bullous epidermolysis of the newborn] Hashimoto A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1209-14 (Jpn)
[Identification of infiltrating cells for blister formation in bullous pemphigoid—a newly established method using epidermal sheets] Ikeda S.
Nippon Hifuka Gakkai Zasshi 1987 Mar;97(4):485-91 (Jpn)
[Infantile acro-localized papulo-vesicular syndromes] Alcalde Alonso M, et al. **Med Cutan Ibero Lat Am** 1986; 14(5):325-31 (Eng. Abstr.) (Spa)
[Actinic granuloma] Torne Escasany R, et al.
Med Cutan Ibero Lat Am 1986;14(4):243-5 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Chronology of the cicatrization process in localized cicatricial pemphigoid type Brunsting-Perry. Preliminary study] Fanti PA, et al. **G Ital Dermatol Venereol** 1987 Jun; 122(6):313-9 (Eng. Abstr.) (Ita)

THERAPY

Bullous pemphigoid. Therapy and management. Ahmed AR, et al. **Clin Dermatol** 1987 Jan-Mar;5(1):146-54 (37 ref.)
[Corticoids and plasma exchange in autoimmune bullous dermatoses] Roujeau JC, et al. **Ann Med Interne (Paris)** 1986;137 Suppl:11-4 (Fre)

VETERINARY

Pemphigoid in domestic animals. Scott DW.
Clin Dermatol 1987 Jan-Mar;5(1):155-62 (73 ref.)
Subepidermal bullous drug eruption resembling bullous pemphigoid in a dog. Mason KV.
J Am Vet Med Assoc 1987 Apr 1;190(7):881-3

SKIN DISEASES, FUNGAL see **DERMATOMYCOSES**

SKIN DISEASES, INFECTIOUS

see related
POXVIRUS INFECTIONS

Primary lymphocutaneous Nocardia brasiliensis infection. Moeller CA, et al. **Arch Dermatol** 1986 Oct;122(10):1180-2

COMPLICATIONS

Disseminated Nocardia brasiliensis infection following cryptococcal disease. Schreiner DT, et al.

Arch Dermatol 1986 Oct;122(10):1186–90

Transient gastroparesis associated with cutaneous herpes zoster. Kebede D, et al. **Dig Dis Sci** 1987 Mar;32(3):318–22

Cutaneous rhinosporidiosis in a patient of lepromatous leprosy—a case report. Porichha D, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):626–7

Familial benign chronic pemphigus generalized by Pseudomonas infection. Takami Y, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):474–6

Infection with human parvovirus (B19), aplasia of the bone marrow and a rash in hereditary spherocytosis. Nunoue T, et al. **J Infect** 1987 Jan;14(1):67–70

Pseudomonas septicemia with nodules and bullae. Fleming MG, et al. **Pediatr Dermatol** 1987 May;4(1):18–20

Unusual case of Haemophilus influenzae type b: Haemophilus influenzae type b meningitis cellulitis and subcutaneous abscess. Medina FA. **Pediatr Emerg Care** 1987 Mar; 3(1):28–9

Group B streptococcal bacteremia in men. Verghese A, et al. **Rev Infect Dis** 1986 Nov–Dec;8(6):912–7

[Skin infections in secondary immunodeficiency] Piérard GE, et al. **Rev Med Liege** 1987 Mar 15;42(6):235–45 **(Fre)**

DIAGNOSIS

Early detection of streptococcal group antigens in skin samples by latex particle agglutination. Bernard P, et al. **Arch Dermatol** 1987 Apr;123(4):468–70

Cutaneous manifestations of neurologic infections in children. Silverman RA. **Neurol Clin** 1987 Aug;5(3):459–82 (71 ref.)

Nontuberculous mycobacterial skin infection resembling lepromatous leprosy. Love GL. **South Med J** 1987 Aug; 80(8):1060–1

[Human Epstein–Barr virus infection. Dermatological manifestations] Caussade P, et al. **Ann Dermatol Venereol** 1987;114(2):289–300 (147 ref.) **(Fre)**

DRUG THERAPY

Cellulitis and related skin infections. Suss SJ, et al. **Am Fam Physician** 1987 Sep;36(3):126–36

Systemic treatment of cutaneous infections. A comparative study of ciprofloxacin and cefotaxime. Parish LC, et al. **Am J Med** 1987 Apr 27;82(4A):227–9

Double-blind comparison of ciprofloxacin with cefotaxime in the treatment of skin and skin structure infections. Pérez-Ruvalcaba JA, et al. **Am J Med** 1987 Apr 27; 82(4A):242–6

Comparative, double-blind study of oral ciprofloxacin and intravenous cefotaxime in skin and skin structure infections. Ramirez-Ronda CH, et al. **Am J Med** 1987 Apr 27; 82(4A):220–3

Sultamicillin in the treatment of superficial skin and soft tissue infections in children. Goldfarb J, et al. **Antimicrob Agents Chemother** 1987 Apr;31(4):663–4

Treatment of bone, joint, and soft-tissue infections with oral ciprofloxacin. Greenberg RN, et al. **Antimicrob Agents Chemother** 1987 Feb;31(2):151–5

Effect of vidarabine in dimethyl sulfoxide vehicle on type 1 herpesvirus-induced cutaneous lesions in laboratory animals. Sidwell RW, et al. **Chemotherapy** 1987; 33(2):141–50

A comparison of the new topical antibiotic mupirocin ('Bactroban') with oral antibiotics in the treatment of skin infections in general practice. Villiger JW, et al. **Curr Med Res Opin** 1986;10(5):339–45

Comment: topical mupirocin [letter] Pappa KA. **Drug Intell Clin Pharm** 1987 May;21(5):466

Topical mupirocin in the treatment of bacterial skin infections. Rumsfield J, et al. **Drug Intell Clin Pharm** 1986 Dec;20(12):943–8 (23 ref.)

Efficacy of enoxacin in the treatment of bacterial infections of the skin with regards to photosensitization. Petri H, et al. **Infection** 1986;14 Suppl 3:S213–6

The cephalosporins in dermatologic practice. Johnson JD. **Int J Dermatol** 1986 Sep;25(7):427–30

Cefuroxime axetil in the treatment of cutaneous infections. Parish LC, et al. **Int J Dermatol** 1987 Jul–Aug;26(6):389–93

The quinolones and dermatologic practice. Parish LC, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):351–6 (24 ref.)

Mupirocin ('pseudomonic acid')—a promising new topical antimicrobial agent. Casewell MW, et al. **J Antimicrob Chemother** 1987 Jan;19(1):1–5 (45 ref.)

Treatment of skin and soft tissue infections with oral ciprofloxacin. Fass RJ. **J Antimicrob Chemother** 1986 Nov; 18 Suppl D:153–7

Ciprofloxacin for soft tissue infections. Wood MJ, et al. **J Antimicrob Chemother** 1986 Nov;18 Suppl D:159–64

Impetigo and other skin infections [letter] Ascher DP, et al. **Milit Med** 1987 Jul;152(7):381

Cephalexin suspension for the treatment of skin infection in children [letter] Ascher DP, et al. **Milit Med** 1987 Feb; 152(2):103

Changing therapy for skin and soft tissue infections in children: have we come full circle? Blumer JL, et al. **Pediatr Infect Dis J** 1987 Jan;6(1):117–22 (31 ref.)

A clinical trial of hydrocortisone/potassium hydroxyquinoline sulphate ('Quinocort') in the treatment of infected eczema and impetigo in general practice. Jaffé GV, et al. **Pharmatherapeutica** 1986;4(10):628–36

Fusidic acid–betamethasone combination in infected eczema: an open, randomized comparison with gentamicin–betamethasone combination. Strategos J. **Pharmatherapeutica** 1986;4(9):601–6

Treatment of skin and soft-tissue infections with cefsulodin. Mogabgab WJ. **Rev Infect Dis** 1984 Sep–Oct;6 Suppl 3:S721–7

[Practice of Dr Zhang San Lai's combined use of Chinese and western drugs in infectious skin diseases] Sun QM. **Chung Hsi I Chieh Ho Tsa Chih** 1987 Jan;7(1):55–6 **(Chi)**

[Results of treatment of bacterial inflammation of the skin with enoxacin] Mensing H. **Infection** 1986;14 Suppl 3:S217–8 (Eng. Abstr.) **(Ger)**

[Use of ceftazidime in the treatment of skin infections] Carabelli A, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec; 121(6):LXXIII–LXXV (Eng. Abstr.) **(Ita)**

[Lymphotropic antibiotic therapy] Levin IuM, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):72–6 (Eng. Abstr.) **(Rus)**

[Diadynamophoresis of chemical and biologically active substances in the treatment of suppurative and inflammatory diseases in diabetes mellitus] Gostishchev VK, et al. **Vestn Khir** 1986 Aug;137(8):63–6 (Eng. Abstr.) **(Rus)**

[Use of a mixture on the dimexide base in suppurative-inflammatory diseases of the skin and subcutaneous tissue in a Medical Regimental Unit] Koshcheev AG. **Voen Med Zh** 1987 Feb;(2):74 **(Rus)**

ETIOLOGY

Acrodermatitis chronica atrophicans in association with lichen sclerosus et atrophicans: tubulo-interstitial nephritis and urinary excretion of spirochete-like organisms. Aberer E, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):62–5

The acute arthritis–dermatitis syndrome. The changing importance of Neisseria gonorrhoeae and Neisseria meningitidis. Rompalo AM, et al. **Arch Intern Med** 1987 Feb;147(2):281–3

Primary cutaneous nocardiosis due to Nocardia caviae. Girouard Y, et al. **Can Med Assoc J** 1987 Apr 15; 136(8):844–5

Mycobacterium marinum infection in a mechanic. Cole GW. **Contact Dermatitis** 1987 May;16(5):283–4

Streptococcus milleri subcutaneous abscesses in drug addicts [letter] Müller F, et al. **Infection** 1987 May–Jun;15(3):201

Cutaneous manifestations of Corynebacterium group JK sepsis. Jerdan MS, et al. **J Am Acad Dermatol** 1987 Feb; 16(2 Pt 2):444–7

Cutaneous botryomycosis in a patient with acquired immunodeficiency syndrome. Patterson JW, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):238–42

Injection abscesses due to atypical mycobacteria in a diabetic patient [letter] Odugbesan OM, et al. **J Infect** 1986 Nov; 13(3):311–2

Cutaneous nocardiosis presenting as a tick-borne infection. Leggiadro RJ, et al. **Pediatr Infect Dis J** 1987 Apr; 6(4):421–2

Fish-tank granuloma. The first reported case in South Africa. Mousdicas N, et al. **S Afr Med J** 1987 Mar 7;71(5):321–2

[AIDS and mucocutaneous lesions] Achten G, et al. **Bull Mem Acad R Med Belg** 1986;141(3–4):238–50 (Eng. Abstr.) **(Fre)**

[Primary subcutaneous nocardiosis complicating nephrotic syndrome under corticosteroid therapy (letter)] Cahen R, et al. **Presse Med** 1987 Jun 27;16(25):1242–3 **(Fre)**

[Pathomechanism, bacteriology and treatment of acne changes] Kasprowicz A. **Folia Med Cracov** 1987; 28(1–2):13–23 (Eng. Abstr.) **(Pol)**

[Lyme disease] Lutowiecka-Wranicz A, et al. **Przegl Dermatol** 1986 Mar–Apr;73(2):160–4 (22 ref.) **(Pol)**

HISTORY

"Savill's disease": a pauper epidemic in Britain and its implications. Crowther MA. **Bull Hist Med** 1986 Winter; 60(4):544–58

IMMUNOLOGY

Erythema chronicum migrans: evidence for cellular immune reaction in the skin lesion. Büchner SA, et al. **Dermatologica** 1987;174(3):144–9

Langerhans cells in molluscum contagiosum, verruca vulgaris, plantar wart, and condyloma acuminatum. Bhawan J, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):645–9

[Penicillin-resistant gonococcal infection found by routine culture from cutaneous abscesses] Høgdall CK, et al. **Ugeskr Laegr** 1986 Aug 18;148(34):2163–4 (Eng. Abstr.) **(Dan)**

MICROBIOLOGY

Human papillomavirus type 16 in bowenoid papulosis, intraoral papillomas, and squamous cell carcinoma of the tongue. Lookingbill DP, et al. **Arch Dermatol** 1987 Mar; 123(3):363–8

Lymphocutaneous nocardiosis caused by Nocardia asteroides. Case report and literature review. Tsuboi R, et al. **Arch Dermatol** 1986 Oct;122(10):1183–5

Recent clinical advances in knowledge of the nonleprous environmental mycobacteria responsible for cutaneous disease. Wallace RJ Jr. **Arch Dermatol** 1987 Mar; 123(3):337–9

Pathogenicity of Clostridium species with other bacteria in mixed infections. Brook I, et al. **J Infect** 1986 Nov; 13(3):245–53

[Primary sporotrichoid cutaneous nocardiosis caused by Nocardia asteroides. Review of the literature apropos of 2 cases] el Baze P, et al. **Ann Dermatol Venereol** 1987; 114(1):17–23 (Eng. Abstr.) **(Fre)**

OCCURRENCE

An outbreak of staphylococcal skin infections among river rafting guides. Decker MD, et al. **Am J Epidemiol** 1986 Dec;124(6):969–76

An outbreak of group A streptococcal skin infection: control by source isolation and teicoplanin therapy. Webster A, et al. **Scand J Infect Dis** 1987;19(2):205–9

Dermatological priorities in developing countries. Predominance of infective–parasitic dermatoses in rural communities. Canizares O. **Trop Doct** 1986 Apr;16(2):50–3

PATHOLOGY

Cytomegalovirus infection initially diagnosed by skin biopsy. Swanson S, et al. **Am J Clin Pathol** 1987 Jan;87(1):113–6

Verruga peruana mimicking malignant neoplasms. Arias-Stella J, et al. **Am J Dermatopathol** 1987 Aug; 9(4):279–91

Chronic borreliosis, type acrodermatitis chronica atrophicans, in the Mosan region of Belgium [letter] Piérard GE, et al. **Am J Dermatopathol** 1987 Aug;9(4):366

Macronodular lesions associated with Staphylococcus aureus bacteremia. A condition that resembles a 'lymphocutaneous' syndrome. Saenz C, et al. **Arch Intern Med** 1987 Apr;147(4):793

Cutaneous protothecosis. A clinicopathologic study. Kuo TT, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):737–40

Skin necrosis secondary to meningococcal septicaemia in an adult. Fielding GA, et al. **Aust NZ J Surg** 1987 Jan; 57(1):57–60

Acute inflammation in gram-negative infection: endotoxin, interleukin 1, tumor necrosis factor, and neutrophils. Movat HZ, et al. **Fed Proc** 1987 Jan;46(1):97–104 (46 ref.)

Skin granulomas due to Mycobacterium gordonae. Gengoux P, et al. **Int J Dermatol** 1987 Apr;26(3):181–4

Macular scabies with annular arrangement of papules. Terui T, et al. **Int J Dermatol** 1986 Nov;25(9):597

Group B streptococcal blistering distal dactylitis in an adult diabetic [letter] Benson PM, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):310–1

Mycobacterium kansasii infection with multiple cutaneous lesions. Hanke CW, et al. **J Am Acad Dermatol** 1987 May; 16(5 Pt 2):1122–8

Cutaneous manifestation of disseminated infection by Mycobacterium fortuitum biovariant "third group" [letter] Lazo-de-la-Vega SA, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):1058–60

Peculiar papular skin lesions occurring in hepatitis B carriers. Martinez MI, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):31–4

Rabbit zosteriform eruption induced by intra-arterial inoculation of herpes simplex virus, type 1. Matsubara M, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):126–31

Cutaneous infection with Mycobacterium gordonae. McIntyre P, et al. **J Infect** 1987 Jan;14(1):71–8

Suspected Mycobacterium ulcerans disease in Kiribati. Christie M. **Med J Aust** 1987 Jun 1;146(11):600–4

Case for diagnosis. AIDS. Baird JK, et al. **Milit Med** 1987 Jan;152(1):M89–96

[Cutaneous diphtheria from Africa] Fleischer K, et al. **Dtsch Med Wochenschr** 1987 May 29;112(22):884–6 (Eng. Abstr.) **(Ger)**

SURGERY

[Use of ambulatory carbon dioxide laser irradiation in children with surgical pathology] Livshits IuL, et al. **Klin Khir** 1987;(6):53–4 (Eng. Abstr.) **(Rus)**

[Topographico-anatomical substantiation of the method of long-term conduction anesthesia of the upper extremity] Antonenko AV, et al. **Vestn Khir** 1986 Nov;137(11):94–5 **(Rus)**

[Automatic programmed aspiration and irrigation treatment of abscesses and phlegmons of soft tissues] Bystritskiĭ AL, et al. **Vestn Khir** 1986 Sep;137(9):21–5 (Eng. Abstr.) **(Rus)**

[Treatment of suppurative wounds of soft tissues with colocyl and its combination with proteolytic enzymes] Kharitonov IuK, et al. **Vestn Khir** 1986 Nov;137(11):63–6 (Eng. Abstr.) **(Rus)**

THERAPY

Management of selected skin and soft tissue infections. Ginsburg CM. **Pediatr Infect Dis** 1986 Nov–Dec; 5(6):735–40

TRANSMISSION

Herpes simplex virus infections [letter] Feder HM Jr, et al. **N Engl J Med** 1987 Mar 19;316(12):754–5

Zoonotic dermatoses of dogs and cats. Scott DW, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):117–44 (106 ref.)

VETERINARY

Cellulitis and subcutaneous abscesses caused by Rhodococcus equi infection in a foal. Perdrizet JA, et al. **J Am Vet Med Assoc** 1987 Jun 15;190(12):1559–61

Serum antibiotic concentration and bovine skin susceptibility to infection by Dermatophilus congolensis. Oduye OO, et al. **J Vet Pharmacol Ther** 1987 Jun;10(2):160–3

Concurrent outbreak of pseudo–lumpy skin disease and acute Trypanosoma vivax infection in cattle. Connor RJ, et al. **Trop Anim Health Prod** 1986 Aug;18(3):127–32

SKIN DISEASES, PARASITIC

see related
ECTOPARASITIC INFESTATIONS

Cutaneous myiasis. Farrell LD, et al. **Am Fam Physician** 1987 Feb;35(2):127–33

DIAGNOSIS

The presentation and treatment of delusional parasitosis: a dermatological perspective. Reilly TM, et al. **Int Clin Psychopharmacol** 1986 Oct;1(4):340–53

[Subcutaneous dirofilariasis tumor in France (letter)] Bourée P, et al. **Presse Med** 1987 May 30;16(20):1010 **(Fre)**

[A case of cutaneous furunculous myiasis originating in Brazil] Bochud–Gabellon I, et al. **Schweiz Rundsch Med Prax** 1986 Dec 16;75(51):1551–3 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Cutaneous pneumocystosis. Coulman CU, et al. **Ann Intern Med** 1987 Mar;106(3):396–8

[Cutaneous schistosomiasis of the chest] Develoux M, et al. **Ann Dermatol Venereol** 1987;114(5):695–7 **(Fre)**

[Human case of disseminated cutaneous myiasis due to Phaenicia sericata] Guarnera EA, et al. **Bol Chil Parasitol** 1986 Jul–Dec;41(3–4):79–82 (Eng. Abstr.) **(Spa)**

HISTORY

Historical aspects of cutaneous toxoplasmosis. Binazzi M. **Int J Dermatol** 1986 Jul–Aug;25(6):401–4

OCCURRENCE

Myiasis. Pelton SL. **Cutis** 1987 Jun;39(6):484

Dermatological priorities in developing countries. Predominance of infective–parasitic dermatoses in rural communities. Canizares O. **Trop Doct** 1986 Apr;16(2):50–3

PARASITOLOGY

Clinical responses in human onchocerciasis: parasitological and immunological implications. Mackenzie CD, et al. **Ciba Found Symp** 1987;127:46–72 (40 ref.)

Onchocerciasis of the face and mouth. Williams HK, et al. **Oral Surg Oral Med Oral Pathol** 1986 Nov;62(5):560–3

PATHOLOGY

Cutaneous myiasis. Immunohistologic and ultrastructural morphometric features of a human botfly lesion. Grogan TM, et al. **Am J Dermatopathol** 1987 Jun;9(3):232–9

Profile of cutaneous toxoplasmosis. Binazzi M. **Int J Dermatol** 1986 Jul–Aug;25(6):357–63 (30 ref.)

SURGERY

Gnathostomiasis externa: a case report. Raturi U, et al. **J Hand Surg [Am]** 1986 Sep;11(5):751–3

TRANSMISSION

Zoonotic dermatoses of dogs and cats. Scott DW, et al. **Vet Clin North Am [Small Anim Pract]** 1987 Jan; 17(1):117–44 (106 ref.)

VETERINARY

Five cases of psoroptic mange in the domestic donkey (Equus asinus asinus) and treatment with ivermectin. Abu–Samra MT, et al. **Equine Vet J** 1987 Mar;19(2):143–4

Diagnostic exercise: cutaneous lesions in frogs. Cromeens DM, et al. **Lab Anim Sci** 1987 Feb;37(1):58–9

Epidermal capillariasis in South African clawed frogs (Xenopus laevis). Stephens LC, et al. **Lab Anim Sci** 1987 Jun;37(3):341–4

Immunosuppression of carp (Cyprinus carpio L.) to ichthyophthiriasis using the corticosteroid triamcinolone acetonide. Houghton G, et al. **Vet Immunol Immunopathol** 1986 Jun;12(1–4):413–9

SKIN DISEASES, STAPHYLOCOCCAL see **STAPHYLOCOCCAL SKIN INFECTIONS**

SKIN DRUG ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

SKIN ELECTRIC CONDUCTANCE see **GALVANIC SKIN RESPONSE**

SKIN MANIFESTATIONS

Dermatologic manifestations of systemic disease. Sams WM. **Ala J Med Sci** 1987 Apr;24(2):190–3

Earlobe creases and coronary atherosclerosis. The view from forensic pathology. Cumberland GD, et al. **Am J Forensic Med Pathol** 1987 Mar;8(1):9–11

Cutaneous diseases and their laboratory findings. Butterworth T. **Clin Dermatol** 1986 Jul–Sep;4(3):1–94

Laboratory findings in various diseases. Cawley NS. **Clin Dermatol** 1986 Jul–Sep;4(3):95–128

Cutaneous manifestations of systemic diseases: collagen vascular disease and vasculitis. Witkowski JA. **Clin Dermatol** 1983 Jul–Sep;1(1):88–101

Cutaneous manifestations of systemic diseases: metabolic diseases. Witkowski JA. **Clin Dermatol** 1983 Jul–Sep; 1(1):77–87

Skin tags and colonic polyps. **J Am Acad Dermatol** 1987 Feb; 16(2 Pt 1):402–3

Skin tags and colonic polyps—a gastroenterologist's perspective [editorial] Chobanian SJ. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):407–9

Enlarging erythematous macule: a cutaneous sign for fatal Aeromonas hydrophila septicemia. Leelarasamee A, et al. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:36–40

Osler's nodes and the recognition of infective endocarditis: a lesion of diagnostic importance. Yee J, et al. **South Med J** 1987 Jun;80(6):753–7 (66 ref.)

[Frank's sign and coronary disease] Lesbre JP, et al. **Ann Cardiol Angeiol (Paris)** 1987 Jan;36(1):37–41 (Eng. Abstr.) **(Fre)**

[Clinical markers and screening for colorectal neoplasms] Matuchansky C, et al. **Gastroenterol Clin Biol** 1987 Feb; 11(2):133–5 **(Fre)**

SKIN NEOPLASMS

Skin cancer. Complications, diagnosis, and treatment. Omura EF. **Ala J Med Sci** 1987 Apr;24(2):193–7

Sebaceous carcinoma of the face following irradiation. Hood IC, et al. **Am J Dermatopathol** 1986 Dec;8(6):505–8

Adenocarcinoma of pancreas and duodenum associated with cutaneous neurofibromatosis [letter] Niv Y, et al. **Am J Med** 1987 Feb;82(2):384–5

Malignant melanoma of the skin. Armstrong BK, et al. **Bull WHO** 1987;65(2):245–52 (47 ref.)

Skin tumors. Rabinowitz AD. **Clin Dermatol** 1983 Jul–Sep; 1(1):54–66

Benign tumors and conditions of the skin and subcutaneous tissue. **Clin Plast Surg** 1987 Apr;14(2):201–430

Cutaneous hemangiomas, vascular stains and associated syndromes. Esterly NB. **Curr Probl Pediatr** 1987 Jan; 17(1):1–69 (234 ref.)

Symposium on T–cell lymphoma and related disorders. **Dermatol Clin** 1985 Oct;3(4):561–768

Disseminated nevus anelasticus [letter] Crivellato E, et al. **Int J Dermatol** 1987 May;26(4):257–8

Age–specific incidences of basal and squamous cell carcinoma [letter] van de Kerkhof PC. **Int J Dermatol** 1987 Jun;26(5):334

Photoradiation diagnosis and therapy. Dermatologic and photobiologic aspects. Bickers DR. **Invest Radiol** 1986 Nov;21(11):885–90 (66 ref.)

Unilateral nevoid basal cell carcinoma syndrome [letter] Camisa C. **J Am Acad Dermatol** 1987 Jun;16(6):1270–1

Cutaneous malignant melanoma. Kopf AW, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):610–3

Unusual presentation of metastatic scalp angiosarcoma: diagnosis by transbronchial lung biopsy. Lanese DM, et al. **J Natl Med Assoc** 1987 May;79(5):565–8

Is Bowen's disease a predictor for the development of internal malignancy? A methodological critique of the literature. Arbesman H, et al. **JAMA** 1987 Jan 23–30;257(4):516–8

Bowen's disease as a predictor of malignancy [letter] Bryant J. **JAMA** 1987 Apr 24;257(16):2164

Cutaneous malignant melanoma associated with gastrointestinal metastases. Rădulescu D. **Morphol Embryol (Bucur)** 1987 Apr–Jun;33(2):141–3

Dermatofibrosarcoma protuberans: an unusual presentation (letter). Ahmed AF, et al. **NY State J Med** 1986 Oct; 86(10):543

Orbital metastasis from cutaneous melanoma. Bond JB, et al. **South Med J** 1986 Nov;79(11):1439–42

[Kaposi's sarcoma. 2 case reports of the classic type] Weberová D, et al. **Cas Lek Cesk** 1987 May 22; 126(21):662–4 (Eng. Abstr.) **(Cze)**

[Benign cutaneous lymphocytoma] Friedel J, et al. **Ann Dermatol Venereol** 1986;113(12):1301–9 **(Fre)**

[Grouped eruptive fibromas] Heid E, et al. **Ann Dermatol Venereol** 1986;113(12):1235–8 **(Fre)**

[Nikolowski's trichoadenoma. Immunohistological study of a new case] Kanitakis J, et al. **Ann Dermatol Venereol** 1986; 113(12):1239–43 **(Fre)**

[Malignant melanoma (editorial)] Schachter J, et al. **Harefuah** 1986 Jul;111(1–2):48–9 **(Heb)**

[A case of angiolymphoid hyperplasia with eosinophilia] Leoni A, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec; 121(6):411–4 (Eng. Abstr.) **(Ita)**

[Juvenile hyaline fibromatosis. Description of a case and review of the literature] Ronconi G, et al. **Pediatr Med Chir** 1986 Sep–Oct;8(5):727–33 (25 ref.) (Eng. Abstr.) **(Ita)**

[Primary–multiple malignant tumors and their metastasis] Poluéktov IuA, et al. **Klin Khir** 1987;(5):45–6 **(Rus)**

[Multiple primary synchronous–metasynchronous basal cell carcinoma of the facial skin] Vazhenin AV, et al. **Vestn Dermatol Venerol** 1986;(12):49–50 (Eng. Abstr.) **(Rus)**

[Intestinal metastasis of melanoma] Cerdán FJ, et al. **Rev Esp Enferm Apar Dig** 1987 Apr;71(4):349–52 (Eng. Abstr.) **(Spa)**

[Gastric metastasis of malignant melanoma (letter)] Clavero Torrent JA, et al. **Rev Esp Enferm Apar Dig** 1987 Jan; 71(1):75 **(Spa)**

ANALYSIS

Flow cytometric DNA analysis of normal, premalignant and malignant human epidermal tissues. Frentz G. **Acta Derm Venereol [Suppl] (Stockh)** 1986;129:1–44 (120 ref.)

Immunohistochemical study of S–100 protein and neuron specific enolase (NSE) in melanocytes and the related tumors. Hachisuka H, et al. **Acta Histochem (Jena)** 1986; 80(2):215–23

Merkel cell tumor coexpressing cytokeratin and neurofilament proteins. Sadahira Y, et al. **Acta Pathol Jpn** 1987 Feb;37(2):331–7

Eosinophilic globules in Kaposi's sarcoma. A histochemical, immunohistochemical, and ultrastructural study. Senba M, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1327–33

Growth–promoting factors in neurofibroma crude extracts. Riccardi VM. **Ann NY Acad Sci** 1986;486:206–26

Diamineoxidase activity and tissue histamine content of human skin, breast and rectal carcinoma. Chanda R, et al. **Cancer Lett** 1987 Feb;34(2):207–12

Expression of the c–src protooncogene in human skin tumors. Barnekow A, et al. **Cancer Res** 1987 Jan 1;47(1):235–40

Enzyme histochemistry of human melanomas and pigmented naevi with special reference to alpha–D–mannosidase activity. Elleder M, et al. **Histochem J** 1986 Sep; 18(9):472–80

Histophotometric quantification of protein and reactive proteinthiols in invasive carcinomas of the skin. Nöhammer G, et al. **Histochemistry** 1986;85(5):437–8

Trace element profiles in skin–tumour and tissues of tumour–bearing mice. Gulati N, et al. **Indian J Cancer** 1985 Dec;22(4):308–14

Non–polarizable collagen in dermatofibrosarcoma protuberans: a useful diagnostic aid. Barr RJ, et al. **J Cutan Pathol** 1986 Oct;13(5):339–46

Granular–cell tumours of the skin do not express carcino–embryonic antigen. Kanitakis J, et al. **J Cutan Pathol** 1986 Oct;13(5):370–4

Neuroendocrine carcinoma of the skin: an immunohistochemical study of tumor markers and neuroendocrine products. Layfield L, et al. **J Cutan Pathol** 1986 Aug;13(4):268–73

S–100 protein content of dermal and oral mucosal blue nevi. Lovas G, et al. **J Oral Pathol** 1986 Jul;15(6):363–5

Gangliosides of human melanoma. Tsuchida T, et al. **JNCI** 1987 Jan;78(1):45–54

Gangliosides of human melanoma: GM2 and tumorigenicity. Tsuchida T, et al. **JNCI** 1987 Jan;78(1):55–60

Variability of expression and arrangement of cytokeratin and neurofilaments in cutaneous neuroendocrine carcinomas (Merkel cell tumors): immunocytochemical and biochemical analysis of twelve cases. Moll R, et al. **Ultrastruct Pathol** 1986;10(6):473–95

[Immunohistochemical and electron microscopic study of so–called mixed tumor of the skin] Tokuhashi I. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1095–108 **(Jpn)**

BLOOD

Significance of squamous cell carcinoma (SCC)–related antigens in cutaneous SCC. A preliminary report. Yagi H, et al. **Arch Dermatol** 1987 Jul;123(7):902–6

Nonneoplastic circulating Sézary–like cells in cutaneous T–cell lymphoma. Ultrastructural, immunologic, and T–cell receptor gene–rearrangement studies. Bendelac A, et al. **Cancer** 1987 Sep 1;60(5):980–6

Blood groups and malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1986 Sep;33(1):24–6

BLOOD SUPPLY

Port–wine stains [letter] Gaylarde PM, et al. **Arch Dermatol** 1987 Jul;123(7):861–2

Neovascularization in human cutaneous melanoma: a quantitative morphological and Doppler ultrasound study. Srivastava A, et al. **Eur J Cancer Clin Oncol** 1986 Oct; 22(10):1205–9

Clinically uninvolved skin in AIDS: evidence of atypical dermal vessels similar to early lesions observed in Kaposi's sarcoma. Ultrastructural study in four patients. De Dobbeleer G, et al. **J Cutan Pathol** 1987 Jun;14(3):154–7

[Ultrastructure of the terminal vessels in squamous cell carcinoma of the human external ear. A transmission electron microscopy study] Grevers G, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug;65(8):450–4 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Reactivity and tumorigenicity of bay–region diol epoxides derived from polycyclic aromatic hydrocarbons. Jerina DM, et al. **Adv Exp Med Biol** 1986;197:11–30

Altered expression of oncogenes in mouse epidermis following exposure to benzo(a)pyrene diol epoxides. Pelling JC, et al. **Adv Exp Med Biol** 1986;197:981–92

A case–control study of skin cancer in the tire and rubber manufacturing industry. Bourguet CC, et al. **Am J Ind Med** 1987;11(4):461–73

Kaposi's sarcoma in rheumatoid arthritis. Schottstaedt MW, et al. **Am J Med** 1987 May;82(5):1021–6

Steroid-induced Kaposi's sarcoma in a patient with pre–AIDS. Schulhafer EP, et al. **Am J Med** 1987 Feb; 82(2):313–7

Mycosis fungoides: carcinogens and cerebral involvement. Conrad ME, et al. **Am J Med Sci** 1987 Feb;293(2):122–4

Kaposi's sarcoma following corticosteroid treatment for temporal arteritis—a case report. Di Giacomo V, et al. **Angiology** 1987 Jan;38(1 Pt 1):56–61

Dermatology. Bunker CB, et al. **Br J Hosp Med** 1987 Feb; 37(2):122–6, 130–1, 134

Occupational risk and the development of premalignant skin lesions among paraquat manufacturers. Wang JD, et al. **Br J Ind Med** 1987 Mar;44(3):196–200

Effect of application frequency on epidermal ornithine decarboxylase induction by chrysarobin in SENCAR mice. Kruszewski FH, et al. **Cancer Lett** 1986 Sep;32(3):263–9

Sebaceous adenomas with associated epidermal hyperplasia and papilloma formation as a major type of tumor induced in mouse skin by high doses of carcinogens. Rice JM, et al. **Cancer Lett** 1986 Dec;33(3):295–306

Evaluation of premalignant and malignant lesions during the induction of mouse melanomas. Berkelhammer J, et al. **Cancer Res** 1987 Mar 1;47(5):1251–4

Effects of dietary retinyl palmitate or 13–cis–retinoic acid on the promotion of tumors in mouse skin. Gensler HL, et al. **Cancer Res** 1987 Feb 15;47(4):967–70

Characterization of skin tumor promotion and progression by chrysarobin in SENCAR mice. Kruszewski FH, et al. **Cancer Res** 1987 Jul 15;47(14):3783–90

Effects of combined treatments with selenium, glutathione, and vitamin E on glutathione peroxidase activity, ornithine decarboxylase induction, and complete and multistage carcinogenesis in mouse skin. Perchellet JP, et al. **Cancer Res** 1987 Jan 15;47(2):477–85

Inhibition of both stage I and stage II mouse skin tumour promotion by retinoic acid and the dependence of inhibition of tumor promotion on the duration of retinoic acid treatment. Verma AK. **Cancer Res** 1987 Oct 1; 47(19):5097–101

Inhibition of 12–O–tetradecanoylphorbol–13–acetate–mediated epidermal ornithine decarboxylase induction and skin tumor promotion by new lipoxygenase inhibitors lacking protein kinase C inhibitory effects. Aizu E, et al. **Carcinogenesis** 1986 Nov;7(11):1809–12

Mouse skin tumor promoting activity of orange peel oil and d–limonene: a re–evaluation. Elegbede JA, et al. **Carcinogenesis** 1986 Dec;7(12):2047–9

Characterization of an inbred strain of the SENCAR mouse that is highly sensitive to phorbol esters. Fischer SM, et al. **Carcinogenesis** 1987 Mar;8(3):421–4

Investigations on the carcinogenicity of fusarin C—a mutagenic metabolite of Fusarium moniliforme. Gelderblom WC, et al. **Carcinogenesis** 1986 Nov; 7(11):1899–901

Bryostatin 1, an activator of protein kinase C, inhibits tumor promotion by phorbol esters in SENCAR mouse skin. Hennings H, et al. **Carcinogenesis** 1987 Sep;8(9):1343–6

Skin tumor promotion is associated with increased type V collagen content in the dermis. Marian B, et al. **Carcinogenesis** 1987 Jan;8(1):151–4

Promotion of skin tumours by TPA in the progeny of mice exposed pre–natally to DMBA. Napalkov N, et al. **Carcinogenesis** 1987 Mar;8(3):381–5

Tumor–initiating activity of major in vivo metabolites of indeno[1,2,3–cd]pyrene on mouse skin. Rice JE, et al. **Carcinogenesis** 1986 Oct;7(10):1761–4

Initiating activity in a two–stage mouse skin model of nine mutagenic pyrolysates of amino acids, soybean globulin and proteinaceous food. Sato H, et al. **Carcinogenesis** 1987 Sep; 8(9):1231–4

Benzoyl peroxide promotes the formation of melanotic tumors in the skin of 7,12–dimethylbenz[a]anthracene–initiated Syrian golden hamsters. Schweizer J, et al. **Carcinogenesis** 1987 Mar; 8(3):479–82

sn–1,2–Diacylglycerols mimic the effects of 12–O–tetradecanoylphorbol–13–acetate in vivo by inducing biochemical changes associated with tumor promotion in mouse epidermis. Smart RC, et al. **Carcinogenesis** 1986 Nov;7(11):1865–70

Marked differences between mutagenicity in Salmonella and tumour–initiating activities of dibenzo[a,e]fluoranthene proximate metabolites; initiation inhibiting activity of norharman. Zajdela F, et al. **Carcinogenesis** 1987 Mar; 8(3):461–4

The SENCAR mouse in toxicological testing. May 1–2, 1985, Cincinnati, Ohio. **Environ Health Perspect** 1986 Sep; 68:1–151

Association of carcinoma yield with early papilloma development in SENCAR mice. Bull RJ, et al. **Environ Health Perspect** 1986 Sep;68:11–7

Binding and distribution studies in the SENCAR mouse of compounds demonstrating a route–dependent tumorigenic effect. Carlson GP, et al. **Environ Health Perspect** 1986 Sep;68:53–60

Malignant conversion and metastasis of mouse skin tumors: a comparison of SENCAR and CD–1 mice. Hennings H, et al. **Environ Health Perspect** 1986 Sep;68:69–74

Gross and microscopic lesions in the female SENCAR mouse skin and lung in tumor initiation and promotion studies. Knutsen GL, et al. **Environ Health Perspect** 1986 Sep; 68:91–104

Comparison of the tumorigenic response of SENCAR and C57BL/6 mice to benzo(a)pyrene and the inter–experimental variability over a three–year period. Nesnow S, et al. **Environ Health Perspect** 1986 Sep; 68:19–25

A combined carcinogen bioassay utilizing both the lung adenoma and skin papilloma protocols. Robinson M, et al. **Environ Health Perspect** 1986 Sep;68:141–5

SENCAR mouse skin tumorigenesis model versus other strains and stocks of mice. Slaga TJ. **Environ Health Perspect** 1986 Sep;68:27–32 (35 ref.)

Methodology for statistical analysis of SENCAR mouse skin assay data. Stober JA. **Environ Health Perspect** 1986 Sep; 68:5–9

Phorbol myristate acetate and catechol as skin cocarcinogens in SENCAR mice. Van Duuren BL, et al. **Environ Health Perspect** 1986 Sep;68:33–8

Influence of housing conditions for mice on the results of a dermal oncogenicity bioassay. DePass LR, et al. **Fundam Appl Toxicol** 1986 Nov;7(4):601–8

Evaluation of the dermal carcinogenic potential of tar sands bitumen–derived liquids. McKee RH, et al. **Fundam Appl Toxicol** 1986 Aug;7(2):228–35

Studies of skin tumorigenesis in PGK mosaic mice: many promoter–independent papillomas and carcinomas do not develop from pre–existing promoter–dependent papillomas. Reddy AL, et al. **Int J Cancer** 1987 Feb 15;39(2):261–5

All–trans–retinoic acid and cutaneous cancers. Epstein JH. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):772–8 (74 ref.)

Skin tumors in the European PUVA Study. Eight–year follow–up of 1,643 patients treated with PUVA for psoriasis. Henseler T, et al. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 1):108–16

Nonmelanoma skin tumors in long–term photochemotherapy treatment of psoriasis. An 8–year follow–up study. Tanew A, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):960–5

Cutaneous chemical carcinogenesis. Yuspa SH. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1031–44 (47 ref.)

Tumor promoting activity of teleocidin in skin and forestomach of mice initiated transplacentally with 7,12–dimethylbenz(a)anthracene. Suganuma M, et al. **J Cancer Res Clin Oncol** 1987;113(2):123–5

Inhibition and enhancement of skin tumors in mice by dimethyl sulfoxide depending on method of application. Jacoby WT, et al. **JNCI** 1986 Oct;77(4):983–7

Initiating, promoting and carcinogenic activities of three naphthofurans in a mouse skin long–term study. Lasne C, et al. **Jpn J Cancer Res** 1987 Jun;78(6):565–70

Bacterial assays of complex mixtures and carcinogenicity. Van Duuren BL. **Mutat Res** 1987 May;188(1):63

Kaposi's sarcoma in a renal transplant patient treated with cyclosporine A. Messina M, et al. **Nephron** 1987;45(2):154–5

Three stage carcinogenesis in mouse skin—recent results and present status of an advanced model system of chemical carcinogenesis. Hecker E. **Toxicol Pathol** 1987;15(2):245–58 (86 ref.)

[Multiple arsenic–induced basaliomas as an occupational disease] Münzberger H, et al. **Z Arztl Fortbild (Jena)** 1986; 80(23):985–6 **(Ger)**

[The DDD and AKR strains of mice and the promotion of chemical carcinogenesis of the skin] Ohno H. **Fukuoka Igaku Zasshi** 1987 Jan;78(1):1–21 (Eng. Abstr.) **(Jpn)**

[Carcinogenicity in mice by inhalation of benzotrichloride and benzoyl chloride] Yoshimura H, et al. **Sangyo Igaku** 1986 Sep;28(5):352–9 (Eng. Abstr.) **(Jpn)**

[Changes in the mechanical properties of the epidermis during chemical carcinogenesis] Chernova TA, et al. **Tsitologiia** 1986 Aug;28(8):891–4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Intraepithelial melanocytic neoplasia: a classification by pattern analysis of proliferations of atypical melanocytes [letter] Frankel KA. **Am J Dermatopathol** 1987 Feb; 9(1):80–1

Pseudomalignancies. Dufresne CR, et al. **Clin Plast Surg** 1987 Apr;14(2):367–81 (102 ref.)

The histopathologic classification of cutaneous lymphomas. Garvin AJ. **Dermatol Clin** 1985 Oct;3(4):587–91

Multiple benign progressive fibromatosis of the skin [letter] Stevanović D. **J Invest Dermatol** 1987 May;88(5):665

Etiological differences between subtypes of cutaneous malignant melanoma: Western Canada Melanoma Study. Elwood JM, et al. **JNCI** 1987 Jan;78(1):37–44

[Intraepidermal melanocytic proliferation. A practical guide to the classification of ambiguous melanotic skin lesions and of possible precursors of malignant melanomas] Prade M, et al. **Bull Cancer (Paris)** 1986;73(5):504–12 (Eng. Abstr.) **(Fre)**

[Diagnostic characteristics of malignant melanomas and pigmented nevi with a tendency to develop into melanomas] Hundeiker M. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):551–2 **(Ger)**

[Alopecia mucinosa and skin lymphoma] Raznatovskiĭ IM, et al. **Vestn Dermatol Venerol** 1987;(5):35–41 (69 ref.) **(Rus)**

COMPLICATIONS

Focal naevoid hypotrichosis. Barth JH, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):178–9

Transformation of lymphocytoma cutis into a malignant lymphoma in association with the sign of Leser–Trélat. Halevy S, et al. **Acta Derm Venereol (Stockh)** 1987; 67(2):172–5

Skin tags: a cutaneous marker for diabetes mellitus. Kahana M, et al. **Acta Derm Venereol (Stockh)** 1987;67(2):175–7

Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate. Schieken LS, et al. **Am Heart J** 1987 Jan;113(1):202–4

Severe congestive heart failure in newborns due to giant cutaneous hemangiomas. Vaksmann G, et al. **Am J Cardiol** 1987 Aug 1;60(4):392–4

Isolated leukemia cutis—a case report. Haubenstock A, et al. **Am J Hematol** 1987 Apr;24(4):437–9

Median cleft of the upper lip associated with lipomas of the central nervous system and cutaneous polyps. Pai GS, et al. **Am J Med Genet** 1987 Apr;26(4):921–4

Nevus of Ota associated with neurofibromatosis. Gupta A, et al. **Ann Ophthalmol** 1986 Apr;18(4):154–5

Rosacea is not associated with skin cancer. Dupont C. **Arch Dermatol** 1986 Oct;122(10):1099

Diffuse lipomatosis and tuberous sclerosis. Klein JA, et al. **Arch Dermatol** 1986 Nov;122(11):1298–302

Mycosis fungoides associated with dystrophic xanthomatosis. McCadden ME, et al. **Arch Dermatol** 1987 Jan;123(1):91–4

Hypopigmentation, vitiligo, and melanoma. New data, more enigmas. Nordlund JJ. **Arch Dermatol** 1987 Aug; 123(8):1005–8

Noonan's syndrome and neurofibromatosis. Shuper A, et al. **Arch Dis Child** 1987 Feb;62(2):196–8

Neurologic complications of the epidermal nevus syndrome. Baker RS, et al. **Arch Neurol** 1987 Feb;44(2):227–32

Central nervous system involvement in blue–rubber–bleb–nevus syndrome. Satya–Murti S, et al. **Arch Neurol** 1986 Nov;43(11):1184–6

Marjolin's ulcer complicating a pressure ulcer: case report and literature review. Berkwits L, et al. **Arch Phys Med Rehabil** 1986 Nov;67(11):831–3

Metastatic cutaneous squamous carcinoma—an unusual cause of extra–hepatic obstructive jaundice. Templeton JL, et al. **Br J Clin Pract** 1986 May;40(5):216–7

No association between malignant melanoma and acne or psoriasis: results from the Western Canada Melanoma Study. Elwood JM, et al. **Br J Dermatol** 1986 Nov; 115(5):573–6

Bowenoid papulosis in a penile epidermal inclusion cyst. Masessa JM, et al. **Br J Dermatol** 1987 Feb;116(2):237–9

The coincidence of neurocutaneous melanosis and encephalofacial angiomatosis. Novotny EJ Jr, et al. **Clin Neuropathol** 1986 Nov–Dec;5(6):246–51

Association of vesiculobullous eruptions with mycosis fungoides. Maeda K, et al. **Dermatologica** 1987;174(1):34–8

Kasabach–Merritt syndrome with disseminated intravascular coagulopathy treated by exchange transfusion and surgical excision. Tanaka K, et al. **Dermatologica** 1986;173(2):90–4

Ocular abnormalities associated with cutaneous melanoma and vitiligolike leukoderma. Chang MA, et al. **Graefes Arch Clin Exp Ophthalmol** 1986;224(6):529–35

Postangiomatous seborrheic keratoses [letter] Beranek JT. **Int J Dermatol** 1986 Dec;25(10):668

Premycotic poikiloderma, mycosis fungoides and cutaneous squamous cell carcinoma. Two cases and a discussion of their relevance. Colver G, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):376–8

Squamous cell carcinoma arising in porokeratosis of mibelli. James WD, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):389–91

Deep angiomatous nevus with ipsilateral cataract. Somasundaram V, et al. **Int J Dermatol** 1987 Mar; 26(2):108–9

Alopecia associated with underlying nerve sheath myxoma. Burket JM. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):209–11

Diffuse, progressive hyperpigmentation: an unusual skin manifestation of mycosis fungoides. David M, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):257–60

Nevus comedonicus in association with widespread, well–differentiated follicular tumors. Dudley K, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1123–7

Metastatic squamous cell carcinoma in linear porokeratosis of Mibelli. Lozinski AZ, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 2):448–51

Cutaneous squamous cell carcinoma and hypercalcemia. Picascia DD, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 2):347–51

Bowenoid papulosis of the male and female genital tracts: risk of cervical neoplasia [letter] Rüdlinger R. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):625–7

Subungual basal cell carcinoma presenting as longitudinal melanonychia. Rudolph RI. **J Am Acad Dermatol** 1987 Jan; 16(1 Pt 2):229–33

Pilomatricomas associated with myotonic dystrophy [letter] Schwartz BK, et al. **J Am Acad Dermatol** 1987 Apr; 16(4):887–8

Generalized trichoepitheliomas with alopecia and myasthenia gravis: clinicopathologic and immunohistochemical study

and comparison with classic and desmoplastic trichoepithelioma. Starink TM, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1104–12

"Giant pigmented hairy nevus in von–Recklinghausen's disease" [letter] Bhatia KK, et al. **J Assoc Physicians India** 1986 Dec;34(12):894–5

Malignant melanoma and squamous cell carcinoma in a patient treated for severe pustular psoriasis. Friedman KJ, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1290–4

Solitary angiokeratoma seen in a patient with pretibial epidermolysis bullosa. Maeda M. **J Dermatol (Tokyo)** 1987 Feb;14(1):89–91

Diabetic retinopathy and Campbell de Morgan's spots. Shah KC. **J Dermatol (Tokyo)** 1986 Dec;13(6):464–6

Giant cutaneous hemangioma associated with axillary arteriovenous fistula causing congestive heart failure in the newborn infant. Lofland GK, et al. **J Pediatr Surg** 1987 May;22(5):458–60

Common skin cancers under cutaneous horns. Beynon J, et al. **J R Coll Surg Edinb** 1987 Apr;32(2):107–9

Aggressive polyfibromatosis. Fenton DA, et al. **J R Soc Med** 1986 Aug;79(8):482–3

Squamous cell carcinoma of the skin in black patients with discoid lupus erythematosus. Caruso WR, et al. **J Rheumatol** 1987 Feb;14(1):156–9

Blue rubber bleb nevus syndrome. Oranje AP. **Pediatr Dermatol** 1986 Sep;3(4):304–10

Group A beta–hemolytic streptococcal septicemia complicating infected hemangioma in children. Yagupsky P, et al. **Pediatr Dermatol** 1987 May;4(1):24–6

Pilomatrixoma presenting as a parotid mass. Brandner MD, et al. **Plast Reconstr Surg** 1986 Oct;78(4):518–21

Syringocystadenoma papilliferum developed from giant comedo: a case report. Niizuma K. **Tokai J Exp Clin Med** 1986 Mar;11(1):47–50

Malignant melanoma in pregnancy. Fogarty PP. **Ulster Med J** 1987 Apr;56(1):72–3

[Gougerot–Carteaud confluent and reticulated papillomatosis associated with pseudoacanthosis nigricans: the same entity?] Decroix J, et al. **Ann Dermatol Venereol** 1987; 114(2):223–6 **(Fre)**

[Chronic herpes of the pyodermatitis vegetans type in chronic cutaneous lymphoid leukemia] Meunier L, et al. **Ann Dermatol Venereol** 1986;113(12):1199–204 (Eng. Abstr.) **(Fre)**

[Association of cardiac myxomas and pigmented cutaneous lesions: a new cardiocutaneous syndrome?] Ortonne JP. **Ann Dermatol Venereol** 1986;113(12):1279–81 **(Fre)**

[Giant hemangioma associated with thrombopenia in a child (Kasabach–Merritt syndrome). Apropos of a case] Saadi A, et al. **Ann Radiol (Paris)** 1986;29(6):553–5 (Eng. Abstr.) **(Fre)**

[Neuro'logic manifestations of basal cell nevomatosis. A case] Aumaître O, et al. **Presse Med** 1986 Nov 29;15(42):2105–7 (Eng. Abstr.) **(Fre)**

[Skin tags and colonic polyps (editorial)] Alcalay J, et al. **Harefuah** 1987 Mar 15;112(6):309–10 **(Heb)**

[A case of generalized melanosis due to wildly–metastatic malignant melanoma] Yamazaki S, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):453–61 **(Jpn)**

[A case of renovascular hypertension associated with neurofibromatosis] Yoshii S, et al. **Nippon Hinyokika Gakkai Zasshi** 1986 Aug;77(8):1353–7 (Eng. Abstr.) **(Jpn)**

[Thrombocytopenic purpura in a 20–year–old patient with Kasabach–Merritt syndrome] Szmigiel Z, et al. **Wiad Lek** 1987 Mar 1;40(5):327–32 (Eng. Abstr.) **(Pol)**

[Erythematosus–carcinoma] Potekaev NS, et al. **Vestn Dermatol Venerol** 1986;(11):34–7 (Eng. Abstr.) **(Rus)**

CONGENITAL

Immunohistologic patterns of congenital nevocellular nevi. Nickoloff BJ, et al. **Arch Dermatol** 1986 Nov; 122(11):1263–8

Congenital nevomelanocytic nevi. Histologic patterns in the first year of life and evolution during childhood. Rhodes AR. **Arch Dermatol** 1986 Nov;122(11):1257–62

Congenital melanoma with multiple prenatal metastases. Schneiderman H, et al. **Cancer** 1987 Sep 15;60(6):1371–7

Congenital pigmented and vascular lesions in newborn infants. Osburn K, et al. **J Am Acad Dermatol** 1987 Apr; 16(4):788–92

Fishman's syndrome (encephalocraniocutaneous lipomatosis): a field defect of ectomesoderm. Brumback RA, et al. **J Child Neurol** 1987 Jul;2(3):168–9

Encephalocraniocutaneous lipomatosis. Fishman MA. **J Child Neurol** 1987 Jul;2(3):186–93

Tumor conference #59. Non–nevocytic congenital nevus [clinical conference] Kopf AW, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1262–4

Congenital self–healing reticulohistiocytosis (Hashimoto–Pritzker): a case report with a solitary lesion. Ofuji S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):182–4

Congenital smooth muscle hamartoma. Prendiville J, et al. **J Pediatr** 1987 May;110(5):742–4

Periocular congenital melanocytic nevi. Margo CE, et al. **J Pediatr Ophthalmol Strabismus** 1986 Sep–Oct;23(5):222–6

Aggressive infantile myofibromatosis: report of a case of a clinically progressive congenital multiple fibromatosis. Molnar P, et al. **Med Pediatr Oncol** 1986;14(6):332–7

Congenital self–healing reticulohistiocytosis: report of a case. Jordaan HF, et al. **Pediatr Dermatol** 1986 Dec;3(6):473–5

Congenital pilar and smooth muscle nevus. Gvozden AB, et al. **Pediatrics** 1987 Jun;79(6):1021–3

Congenital malignant melanoma. Prose NS, et al. **Pediatrics** 1987 Jun;79(6):967–70

[Cerebriform intradermal nevus] Berbis P, et al. **Ann Dermatol Venereol** 1987;114(3):369–73 **(Fre)**

[Diagnosis and therapy of congenital pigment–cell nevi] Hundeiker M. **Dtsch Med Wochenschr** 1987 May 15; 112(20):807–9 (12 ref.) **(Ger)**

[Assessment and treatment of congenital pigment cell nevi] Drepper H, et al. **Monatsschr Kinderheilkd** 1987 Jul; 135(7):406–10 **(Ger)**

[Congenital nevus cell nevi as precursors of melanomas of the skin] Schnyder UW, et al. **Monatsschr Kinderheilkd** 1987 May;135(5):259–64 (Eng. Abstr.) **(Ger)**

[Congenital giant hairy nevi] Taube E, et al. **Harefuah** 1986 Jul;111(1–2):17–20 (Eng. Abstr.) **(Heb)**

[Ultrastructural study of congenital halo nevus] Kitajima J, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr;97(5):545–53 **(Jpn)**

DIAGNOSIS

Exfoliative–cytologic diagnosis of basal–cell carcinoma, with the use of DNA image cytometry as a diagnostic aid. Böcking A, et al. **Acta Cytol (Baltimore)** 1987 Mar–Apr; 31(2):143–9

Differential effects of 5–fluorouracil on human skin melanocytes and malignant melanoma cells in vitro. Tsuji T, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):474–8

The differential diagnosis of intraepidermal malignant lesions using immunohistochemistry. Guldhammer B, et al. **Am J Dermatopathol** 1986 Aug;8(4):295–301

Monoclonal antibodies in diagnostic dermatopathology. Wick MR. **Am J Dermatopathol** 1987 Jun;9(3):185–8

Neurofibromatosis and cancer. Bader JL. **Ann NY Acad Sci** 1986;486:57–65

Clinical diagnosis of von Recklinghausen's neurofibromatosis. Fitzpatrick TB, et al. **Ann NY Acad Sci** 1986;486:383–5

Neurofibromatosis. A review of the clinical problem. Rubenstein AE. **Ann NY Acad Sci** 1986;486:1–13

Neurofibromatosis in Nigerian children. Ademiluyi SA, et al. **Ann Trop Paediatr** 1987 Jun;7(2):145–8

Target blue nevi [letter] Gartmann H. **Arch Dermatol** 1987 Jan;123(1):18

An ultrastructural morphometric and immunohistochemical analysis of cutaneous lymphomas and benign lymphocytic infiltrates of skin. Useful criteria for diagnosis. Payne CM, et al. **Arch Dermatol** 1986 Oct;122(10):1139–54

Immunologic detection of markers of keratinocyte differentiation [letter] Murphy GF, et al. **Arch Pathol Lab Med** 1986 Nov;110(11):991–2

Hypertrophic lupus erythematosus: differentiation from squamous cell carcinoma. Vinciullo C. **Australas J Dermatol** 1986 Aug;27(2):76–82

Pilomatrixoma mimicking breast carcinoma. Hamilton A, et al. **Br J Dermatol** 1987 Apr;116(4):585–6

Angiotropic (intravascular) large cell lymphoma of the skin previously classified as malignant angioendotheliomatosis. Willemze R, et al. **Br J Dermatol** 1987 Mar;116(3):393–9

Doppler ultrasound as an adjunct to the differential diagnosis of pigmented skin lesions. Srivastava A, et al. **Br J Surg** 1986 Oct;73(10):790–2

Waiting time for urgent appointments [letter] Golding J. **Br Med J** 1987 Feb 7;294(6568):370

Extramammary Paget's disease. Anthony PP, et al. **Clin Exp Dermatol** 1986 Jul;11(4):387–95

Inverted variant of carcinoma cuniculatum of the toe. Hitti IF, et al. **Cutis** 1987 Mar;39(3):250–2

Differential diagnosis of pigmented tumor of the skin. Szymanski FJ. **Cutis** 1987 Jan;39(1):42

New techniques in the evaluation of cutaneous T–cell lymphoma. van Vloten WA, et al. **Dermatol Clin** 1985 Oct; 3(4):665–72 (72 ref.)

Basal cell nevus syndrome and webbed neck. de Boer EM, et al. **Dermatologica** 1986;173(5):245–7

Expert systems in dermatology: the computer potential. The example of facial tumour diagnosis. Finlay AY, et al. **Dermatologica** 1986;173(2):79–84

Cytokeratin and laminin immunostaining in the diagnosis of cutaneous neuro–endocrine (Merkel cell) tumours. Hall PA, et al. **Histopathology** 1986 Nov;10(11):1179–90

The patient with a pigmented lesion. Koh HK. **Hosp Pract [Off]** 1986 Oct 30;21(10A):47–9, 53–4

Pleomorphic adenoma of skin (chondroid syringoma). Kapoor VK, et al. **Indian J Pathol Microbiol** 1986 Jul; 29(3):309–11

Pagetoid Bowen's disease on the breast. Blobstein SH, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):381–2

Basal cell cancer and classic Kaposi's sarcoma in a locally immunocompromised patient. Ruocco V, et al. **Int J Dermatol** 1986 Nov;25(9):594–6

Pseudomelanoma. A pathologist's perspective. Suster S. **Int J Dermatol** 1986 Oct;25(8):506–7

A possible new tool for clinical diagnosis of melanoma: the computer. Cascinelli N, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):361–7

Nevoid basal cell carcinoma syndrome. A review and case report of a patient with unilateral basal cell nevus syndrome. Gutierrez MM, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1023–30 (34 ref.)

Spotting sinister spots. A challenge to dermatologists to examine every new patient at increased risk for signs of early melanoma. Howell JB. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):722–6

Malignant pyoderma: a manifestation of Wegener's granulomatosis? [letter] Lerner EA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1051–2

Early recognition of malignant melanoma [editorial] MacKie RM. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):707–8

Clinical diagnostic accuracy of basal cell carcinoma. Presser SE, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):988–90

Kaposi's sarcoma of the lower extremity. A case report. Shilling GA, et al. **J Am Podiatr Med Assoc** 1987 Feb; 77(2):89–92

Epithelioid sarcoma and isolated necrobiotic granuloma: a comparative immunocytochemical study. Wick MR, et al. **J Cutan Pathol** 1986 Aug;13(4):253–60

Identification of basal cell carcinomas by means of monoclonal antibodies C50 and C241. Nilsson LA, et al. **J Dermatol Surg Oncol** 1987 Jan;13(1):49–51

Antigenic differences and further perspectives on the differential diagnosis of skin tumors. Tosca AD, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):366–71

Routine total skin examination to detect malignant melanoma. Boyce JA, et al. **J Gen Intern Med** 1987 Jan–Feb;2(1):59–61 (24 ref.)

"Catalyst" symptoms in malignant melanoma.Cassileth BR, et al. **J Gen Intern Med** 1987 Jan–Feb;2(1):1–4

B16 melanoma in hairless mice: a model for thermographic research. Jochimsen PR, et al. **J Surg Oncol** 1986 Sep; 33(1):50–2

Indolent lymphadenopathic Kaposi's sarcoma. Schwartz RA, et al. **J Surg Oncol** 1987 Apr;34(4):243–7

Metastatic disease in patients with newly diagnosed malignant melanoma. Zartman GM, et al. **J Surg Oncol** 1987 Jul; 35(3):163–4

Diagnosis of metastatic malignant melanoma by fine needle aspiration biopsy: a clinical and pathologic correlation of 298 cases. Perry MD, et al. **JNCI** 1986 Nov;77(5):1013–21

Nevus sebaceus of Jadassohn: the head and neck manifestations. Hagan WE. **Laryngoscope** 1987 Aug;97(8 Pt 1):909–14

Squamous cell carcinoma of the skin. Accuracy of clinical diagnosis and outcome of follow–up in Australia. Nixon RL, et al. **Med J Aust** 1986 Mar 3;144(5):235–9

Epidermal nevus syndrome. Paller AS. **Neurol Clin** 1987 Aug;5(3):451–7 (34 ref.)

Neurofibromatosis. Riccardi VM. **Neurol Clin** 1987 Aug; 5(3):337–49 (28 ref.)

Superior sensitivity of computed tomographic scanning to magnetic resonance imaging in metastatic neoplasia: two case reports. Goldstein S, et al. **Neurosurgery** 1987 Jun; 20(6):959–62

Stage I–II melanoma: the value of metastatic work–up. Ardizzoni A, et al. **Oncology** 1987;44(2):87–9

Criteria for the diagnosis of primary endocrine carcinoma of the skin (Merkel cell carcinoma). A histological, immunohistochemical and ultrastructural study of 13 cases [published erratum appears in Pathology 1987 Jan;19(1):27] Leong AS, et al. **Pathology** 1986 Oct;18(4):393–9

Epidermal nevus syndrome: report of association with transitional cell carcinoma of the bladder. Rosenthal D, et al. **Pediatr Dermatol** 1986 Dec;3(6):455–8

Mucocutaneous and peripheral soft–tissue hemangiomas: MR imaging. Kaplan PA, et al. **Radiology** 1987 Apr; 163(1):163–6

The value of thermography and lymphography in the diagnosis and follow–up of Kaposi's disease. Lauriola C, et al. **Rays** 1985 May–Aug;10(2):85–90

Malignant melanoma in childhood. Salman T, et al. **Turk J Pediatr** 1986 Oct–Dec;28(4):263–70

[The extra–mammary form of Paget's disease] Go IH, et al. **Ned Tijdschr Geneeskd** 1986 Nov 1;130(44):1992–5 (Eng. Abstr.) **(Dut)**

[Melanoma or no melanoma? Various practical guidelines for the differential clinical diagnosis of pigmented skin tumors] Suurmond D, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6; 131(23):981–5 **(Dut)**

[Melanoma of the extremities a little known diagnosis and difficult treatment. Review of 20 cases] Nogaret JM, et al. **Acta Chir Belg** 1986 Jul–Aug;86(4):238–44 (Eng. Abstr.) **(Fre)**

[Monoclonal antibodies applied to cutaneous lymphocytic infiltrates] Dreno B. **Ann Dermatol Venereol** 1987; 114(2):285–7 **(Fre)**

[Prognosis of malignant melanoma] Perroulaz G, et al. **Rev Med Suisse Romande** 1986 Jul;106(7):649–51 **(Fre)**

[Multicentric reticulohistiocytosis. A case with unusual clinical, radiologic and ultrastructural aspects] Amor B, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):113–9 (Eng. Abstr.) **(Fre)**

[Spinocellular epithelioma and keratoacanthoma. Anatomicoclinical inconsistencies] Tagliana P, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):282–6 (Eng. Abstr.) **(Fre)**

[Classification, diagnosis and differential diagnosis of malignant melanomas] Braun–Falco O, et al. **Chirurg** 1986 Oct;57(10):593–600 **(Ger)**

[Comparative studies between excretion of 5–S–cysteinyldopa and indole melanogens in urine] Beyer C, et al. **Dermatol Monatsschr** 1986;172(9):541–4 (Eng. Abstr.) **(Ger)**

[Stewart-Bluefarb syndrome (kaposiform arteriovenous fistula with bone changes)] Ueki H, et al. **Hautarzt** 1986 Dec;37(12):673-5 (Eng. Abstr.) (Ger)
[Malignant melanoma: classification and early diagnosis] Vakilzadeh F. **Med Klin** 1986 May 6;81(10):365-9 (Ger)
[Cavernous hemangioma and disseminated intravascular coagulation (Kasabach-Merritt syndrome) in a newborn infant with a large ventricular septal defect] Paul T, et al. **Monatsschr Kinderheilkd** 1986 Nov;134(11):815-8 (Eng. Abstr.) (Ger)
[Neurocutaneous syndrome with a ventricular tumor] Fehlow P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct;38(10):606-11 (Eng. Abstr.) (Ger)
[Diagnostic value of ultrasound in malignant melanoma] Schwaighofer B, et al. **ROFO** 1987 Apr;146(4):409-11 (Eng. Abstr.) (Ger)
[Neuroendocrine carcinoma (Merkel cell tumor) in the head and neck area] Weidauer H, et al. **Strahlenther Onkol** 1987 Aug;163(8):529-33 (Eng. Abstr.) (Ger)
[Clinical aspects and treatment of Kaposi sarcoma in acquired immunodeficiency syndrome (AIDS)] Braun-Falco O, et al. **Verh Dtsch Ges Inn Med** 1986;92:325-30 (Ger)
[Occurrence of arteriovenous fistulas in haemangiomatosis chondrodystrophica (Maffucci syndrome)] Lofferer O, et al. **Wien Klin Wochenschr** 1986 Oct 24;98(20):698-702 (Eng. Abstr.) (Ger)
[Kasabach-Merritt syndrome] Klare M, et al. **Z Gesamte Inn Med** 1986 Oct 1;41(19):550-1 (Eng. Abstr.) (Ger)
[The proteus syndrome] Bendick C. **Z Hautkr** 1987 Mar 1; 62(5):341-3 (Ger)
[Metastasizing basalioma in AIDS] Steigleder GK. **Z Hautkr** 1987 May 1;62(9):661 (Ger)
[Diagnostic difficulties of malignant melanoma] Bégány A, et al. **Orv Hetil** 1987 Jan 18;128(3):133-5 (Eng. Abstr.) (Hun)
[Primary and secondary tumors of the chest wall. Surgical treatment in our experience] Sciannameo F, et al. **Minerva Chir** 1987 Jun 15;42(11):995-8 (Eng. Abstr.) (Ita)
[A case of the Solomon syndrome] Caterino P, et al. **Riv Neurol** 1986 Sep-Oct;56(5):319-24 (Eng. Abstr.) (Ita)
[Immunohistochemical demonstration of tyrosinase 4 in normal skin and melanocytic tumors] Kageshita T, et al. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):685-90 (Jpn)
[Immunohistological detection of antisera to casein in skin tumors] Kurakazu M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Nov;96(12):1231-8 (Jpn)
[Melanogens in the diagnosis of melanoma] Kubiński Z. **Nowotwory** 1987 Jan-Mar;37(1):10-5 (Eng. Abstr.) (Pol)
[Clinical picture of malignant melanoma in children] Czerwiński W, et al. **Pediatr Pol** 1986 Aug;61(8):534-42 (Eng. Abstr.) (Pol)
[Giant pigmented nevus and malignant melanoma in children] Stoba C, et al. **Pediatr Pol** 1986 Aug;61(8):529-33 (Pol)
[Mercury-induced granuloma simulating malignant melanoma] Kadyków M. **Przegl Dermatol** 1986 Mar-Apr; 73(2):147-51 (Eng. Abstr.) (Pol)
[A case of basal cell carcinoma of the tip of the nose in the form of a pedunculated tumor] Starzycki Z. **Przegl Dermatol** 1986 Mar-Apr;73(2):152-4 (Eng. Abstr.) (Pol)
[Once more on Kaposi's angioreticulosis] Olovianishnikov OV. **Vestn Dermatol Venerol** 1987;(3):64-5 (Rus)
[Metatypic skin cancer] Prikhod'ko SG, et al. **Vestn Dermatol Venerol** 1986;(7):62-3 (Eng. Abstr.) (Rus)
[Retroperitoneal pelvioscopy in the diagnosis of skin melanoma metastases to the iliac lymph nodes] Vagner RI, et al. **Vestn Khir** 1986 Jul;137(7):99-100 (Rus)

DRUG THERAPY

Oral retinoids in mycosis fungoides and Sézary syndrome: a comparison of isotretinoin and etretinate. A study from the Scandinavian Mycosis Fungoides Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1987;67(3):232-6
Pyrogallol in the tumour stage of mycosis fungoides: a case report. van de Kerkhof PC. **Acta Derm Venereol (Stockh)** 1986;66(4):361-3
Combination chemotherapy with dacarbazine and lomustine in disseminated malignant melanoma. Joensuu H, et al. **Acta Radiol [Oncol]** 1986 May-Jun;25(3):177-9
Disseminated Merkel cell tumor. Treatment with systemic chemotherapy. Grosh WW, et al. **Am J Clin Oncol** 1987 Jun;10(3):227-30
Acute non-lymphocytic leukemia (ANLL) following treatment with dacarbazine for malignant melanoma. Carey RW, et al. **Am J Hematol** 1987 May;25(1):119-21
Treatment of advanced squamous cell carcinoma of the skin with isotretinoin. Lippman SM, et al. **Ann Intern Med** 1987 Oct;107(4):499-502
Cyclosporin A therapy for mycosis fungoides. Jensen JR, et al. **Arch Dermatol** 1987 Feb;123(2):160-3
Isotretinoin and cutaneous helper T-cell lymphoma (mycosis fungoides). Kessler JF, et al. **Arch Dermatol** 1987 Feb; 123(2):201-4
Mycosis fungoides treated with high-dose carmustine [letter] Marino C, et al. **Arch Dermatol** 1987 Aug;123(8):990
The effect of isotretinoin in six patients with cutaneous T-cell lymphoma. Neely SM, et al. **Arch Intern Med** 1987 Mar; 147(3):529-31
Mitozolomide (NSC 353451), a new active drug in the treatment of malignant melanoma. Phase II trial in patients with advanced disease. Gundersen S, et al. **Br J Cancer** 1987 Apr;55(4):433-5
Isolation perfusion with cisplatin for malignant melanoma of the limbs. Klein ES, et al. **Cancer** 1987 Mar 15; 59(6):1068-71
Treatment of advanced stage mycosis fungoides with bleomycin, doxorubicin, and methotrexate with topical nitrogen mustard (BAM-M). Zakem MH, et al. **Cancer** 1986 Dec 15;58(12):2611-6
Combined treatment of advanced malignant melanoma with coumarin and cimetidine. A phase II study. Pedersen L, et al. **Cancer Immunol Immunother** 1987;24(2):178-9
Glycoalkaloids from Solanum sodomaeum are effective in the treatment of skin cancers in man. Cham BE, et al. **Cancer Lett** 1987 Aug;36(2):111-8
Phase II study of the combination of vinblastine plus cisplatin administered by continuous 120-hour infusion for patients with advanced malignant melanoma. Creagan ET, et al. **Cancer Treat Rep** 1987 Jul-Aug;71(7-8):769-70
Phase II study of recombinant interferon-gamma in patients with disseminated malignant melanoma. Creagan ET, et al. **Cancer Treat Rep** 1987 Sep;71(9):843-4
Combination chemotherapy and hormonal therapy in the treatment of malignant melanoma. McClay EF, et al. **Cancer Treat Rep** 1987 May;71(5):465-9
Phase II study of i.v. menogaril in patients with malignant melanoma: a National Cancer Institute of Canada Clinical Trials Group Study. McCulloch PB, et al. **Cancer Treat Rep** 1987 Jul-Aug;71(7-8):771-2
Effects of intralesional versus ip administration of cisplatin on squamous cell carcinoma of mice. Nagase M, et al. **Cancer Treat Rep** 1987 Sep;71(9):825-9
Topical tretinoin: indications, safety, and effectiveness. Kligman A. **Cutis** 1987 Jun;39(6):486-8
Extracutaneous spreading with fatal outcome of mycosis fungoides in a patient treated with ciclosporin A: a word of caution. Thomsen K, et al. **Dermatologica** 1987; 174(5):236-8
Cytotoxic chemotherapy of disseminated cutaneous malignant melanoma--a prospective and randomized clinical trial of procarbazine, vindesine and lomustine versus procarbazine, DTIC and lomustine. Carmo-Pereira J, et al. **Eur J Cancer Clin Oncol** 1986 Dec;22(12):1435-9
Hyperthermic antiblastic perfusion with DTIC in stage IIIA-IIIAB melanoma of the extremities [published erratum appears in Eur J Surg Oncol 1987 Aug;13(4):unbound] Vaglini M, et al. **Eur J Surg Oncol** 1987 Apr;13(2):127-9
Verrucous carcinoma treated with etretinate. Czarnecki DB, et al. **Int J Dermatol** 1987 Jun;26(5):322-3
Effects of Solcoderm. Engelberg IS, et al. **Int J Dermatol** 1986 Nov;25(9):606-7
Interferon study lacked controls [letter] Gormley DE. **J Am Acad Dermatol** 1987 Apr;16(4):885-6
Treatment of basal cell carcinoma with intralesional interferon. Greenway HT, et al. **J Am Acad Dermatol** 1986 Sep;15(3):437-43
Role of topical tretinoin in melanoma and dysplastic nevi. Meyskens FL Jr, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):822-5
Topical tretinoin in actinic keratosis and basal cell carcinoma. Peck GL. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 2):829-35
Treatment of cutaneous T-cell lymphoma with the arotinoid Ro 13-6298. Tousignant J, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):167-71
Comparison of the effects of three different treatment regimens of recombinant interferons (r-IFN alpha, r-IFN gamma, and r-IFN alpha + cimetidine) in disseminated malignant melanoma. Steiner A, et al. **J Cancer Res Clin Oncol** 1987;113(5):459-65
WR-2721 and high-dose cisplatin: an active combination in the treatment of metastatic melanoma. Glover D, et al. **J Clin Oncol** 1987 Apr;5(4):574-8
T-cell subsets and NCI (nuclear contour index) of their skin infiltrates in mycosis fungoides (MF)--a comparison of pre-and post-treatments using ACNU [1-(4-amino-2 methyl-5-pyrimidinyl)-methyl-3-(2-chloroethyl-3-nitrosourea)] and interferon alpha and the effectiveness of interferon alpha on Sézary cells in vitro. Zhang KG, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):150-7
Adjuvant chemotherapy in high-risk malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1987 Sep;36(1):64-7
Preliminary clinical studies with PDT by topical TPPS administration in neoplastic skin lesions. Sacchini V, et al. **Lasers Surg Med** 1987;7(1):6-11
Treatment of cutaneous T-cell lymphoma by extracorporeal photochemotherapy. Preliminary results. Edelson R, et al. **N Engl J Med** 1987 Feb 5;316(6):297-303
Nonsurgical management of children with recurrent or unresectable fibromatosis. Raney B, et al. **Pediatrics** 1987 Mar;79(3):394-8
Photodynamic therapy for the treatment of skin cancer. A case report. Isanov T, et al. **Radiobiol Radiother (Berl)** 1987; 28(1):5-7
Topical administration of tetrasodium-meso-tetraphenylporphinesulfonate (TPPS) and red light irradiation for the treatment of superficial neoplastic lesions. Sacchini V, et al. **Tumori** 1987 Feb 28; 73(1):19-23
Isolated regional perfusion in malignant melanoma of the extremities. Schraffordt Koops H, et al. **World J Surg** 1987 Aug;11(4):527-33
[Retinoids in the treatment of epithelial skin tumors] Berretti B, et al. **Ther Umsch** 1986 Sep;43(9):703-6 (24 ref.) (Eng. Abstr.) (Fre)
[Randomized melanoma study of perfusion of the extremities. Results of treatment 2 1/2 years after premature discontinuation] Ghussen F, et al. **Chirurg** 1986 Oct; 57(10):619-23 (Eng. Abstr.) (Ger)
[Chemotherapy of malignant melanoma] Karakousis CP. **Chirurg** 1986 Oct;57(10):606-11 (Ger)
[Acyclovir in mycosis fungoides and lymphomatoid papulosis] Burg G, et al. **Hautarzt** 1986 Oct;37(10):533-6 (Eng. Abstr.) (Ger)
[DTIC: effect on fibrinolysis and thrombocyte function] Biltz H, et al. **Onkologie** 1986 Oct;9(5):270-3 (Eng. Abstr.) (Ger)
[Monotherapy of endemic Kaposi sarcoma with long-term vincristine infusion] Haubenstock A, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):239-42 (Eng. Abstr.) (Ger)
[Laser-photo-radiotherapy in the treatment malignant tumors] Tomio L, et al. **Radiol Med (Torino)** 1987 Apr; 73(4):313-6 (Eng. Abstr.) (Ita)
[Therapeutic effect of human lymphoblastoid interferon (MOR-22) on malignant skin tumors--a phase II study] Mishima Y. **Nippon Gan Chiryo Gakkai Shi** 1986 Jun 20; 21(5):1059-67 (Eng. Abstr.) (Jpn)
[A case of angiosarcoma effectively treated with intra-arterial continuous infusion of anticancer agents] Fujioka A, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Sep; 96(10):1025-33 (Jpn)
[Enhancement of antitumor effect by bleomycin encapsulated in liposome: in vivo study] Hasegawa S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(14):1619-25 (Jpn)
[Value of perfusion and infusion in the treatment of malignant melanoma of the lower extremities] Meyza J. **Pediatr Pol** 1986 Aug;61(8):521-3 (Pol)
[Clinical trials of supplementary chemotherapy in cases of malignant melanoma of the skin with unfavorable prognosis after surgical treatment] Dobrek Z. **Wiad Lek** 1987 Feb 15;40(4):237-41 (Eng. Abstr.) (Pol)
[Pharmacologic therapy of melanoma of the skin] Dement'eva NP, et al. **Sov Med** 1987;(2):49-53 (Rus)
[Late results of the conservative treatment of melanoma of the skin] Kogoniia LM, et al. **Sov Med** 1986;(11):101-2 (Rus)

ENZYMOLOGY

Effects of retinoids on type IV collagenolytic activity in melanoma cells. Oikarinen A, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):346-8
Cytochemical expression of epidermal peroxidase and cytochrome oxidase activities in pathological skin conditions of man. Walzer C, et al. **Arch Dermatol Res** 1986;278(6):460-4
Regulation of ornithine decarboxylase gene expression in mouse epidermis and epidermal tumors during two-stage tumorigenesis. Gilmour SK, et al. **Cancer Res** 1987 Mar 1;47(5):1221-5
Involvement of protein kinase C activation in ornithine decarboxylase gene expression in primary culture of newborn mouse epidermal cells and in skin tumor promotion by 12-O-tetradecanoylphorbol-13-acetate. Verma AK, et al. **Cancer Res** 1986 Dec;46(12 Pt 1):6149-55
Enzyme activities in cytoplasm, mitochondria and peroxisomes in dermatofibrosarcoma protuberans. Shindo Y, et al. **J Dermatol (Tokyo)** 1986 Aug;13(4):304-6
Ornithine decarboxylase from mouse epidermis and epidermal papillomas: differences in enzymatic properties and structure. O'Brien TG, et al. **Proc Natl Acad Sci USA** 1986 Dec;83(24):9448-52
[The effect of dinitrophenylation on the tyrosinase activity of extracts from human melanomas] Schwartze G. **Dermatol Monatsschr** 1986;172(8):498-500 (Ger)

ETHNOLOGY

Nonmelanoma skin cancer in Japanese residents of Kauai, Hawaii. Leong GK, et al. **J Am Acad Dermatol** 1987 Aug; 17(2 Pt 1):233-8

ETIOLOGY

Sarcoma following irradiation for breast cancer. Report of three unusual cases including one malignant mesenchymoma of bone. Hatlinghus S, et al. **Acta Radiol [Oncol]** 1986 Jul-Dec;25(4-6):239-42
Squamous cell cancers and the acquired immunodeficiency syndrome [letter] Enck RE. **Ann Intern Med** 1987 May; 106(5):773
Multiple squamous cell carcinomas and human immunodeficiency virus infection [letter] Overly WL, et al. **Ann Intern Med** 1987 Feb;106(2):334
Cancer in ataxia-telangiectasia patients: analysis of factors leading to radiation--induced and spontaneous tumors. Becker Y. **Anticancer Res** 1986 Sep-Oct;6(5):1021-32 (93 ref.)
Bilateral ulcers in a patient with a hereditary bullous dermatosis. Squamous cell carcinoma (SCC) arising in

recessive dystrophic bullous dermatosis. Callen JP, et al. **Arch Dermatol** 1987 Jun;123(6):812–3, 815–6

Dermatologic radiotherapy. The risk–benefit ratio [editorial] Goldschmidt H. **Arch Dermatol** 1986 Dec;122(12):1385–8

Keratitis, ichthyosis, and deafness (KID) syndrome. Vertical transmission and death from multiple squamous cell carcinomas. Grob JJ, et al. **Arch Dermatol** 1987 Jun; 123(6):777–82

Cutaneous malignant neoplasms in patients with renal transplants. Gupta AK, et al. **Arch Dermatol** 1986 Nov; 122(11):1288–93

Malignancies after Grenz–Ray therapy [letter] Kalz F. **Arch Dermatol** 1987 May;123(5):566

Incidence of malignant skin tumors in 14,140 patients after grenz–ray treatment for benign skin disorders. Lindelöf B, et al. **Arch Dermatol** 1986 Dec;122(12):1391–5

A case–control study of possible causative factors in mycosis fungoides. Tuyp E, et al. **Arch Dermatol** 1987 Feb; 123(2):196–200

Atypical angiomatosis in polyarteritis nodosa. Horan RF, et al. **Br J Dermatol** 1986 Nov;115(5):611–8

The risk of progression of lentigo maligna to lentigo maligna melanoma. Weinstock MA, et al. **Br J Dermatol** 1987 Mar; 116(3):303–10

Radiation–induced skin cancer and radiodermatitis of the head and neck. van Vloten WA, et al. **Cancer** 1987 Feb 1;59(3):411–4

Advances in the immunobiology of the skin. Implications for cutaneous malignancies. Romerdahl CA, et al. **Cancer Metastasis Rev** 1986;5(2):167–78 (89 ref.)

Enhanced pancreatic and skin tumorigenesis in cabbage–fed hamsters and mice. Birt DF, et al. **Carcinogenesis** 1987 Jul; 8(7):913–7

Squamous cell carcinoma in a frost–bite scar. Eun HC, et al. **Clin Exp Dermatol** 1986 Sep;11(5):517–20

Eruptive squamous cell carcinomata following psoralen–UVA phototoxicity. Kahn JR, et al. **Clin Exp Dermatol** 1986 Jul;11(4):398–402

Nonpigmented premalignant lesions of the skin. Gard D. **Clin Plast Surg** 1987 Apr;14(2):413–23 (88 ref.)

Basal cell carcinoma arising in a tattoo. Wiener DA, et al. **Cutis** 1987 Feb;39(2):125–6

Premycotic eruptions. Lambert WC. **Dermatol Clin** 1985 Oct; 3(4):629–45 (86 ref.)

Pathogenesis of cutaneous T–cell lymphoma. Toback AC, et al. **Dermatol Clin** 1985 Oct;3(4):605–14 (63 ref.)

Neurofibromatosis in a scar [letter] Ingber A, et al. **Dermatologica** 1986;173(2):101

Disseminated epidermolytic acanthoma revealed by PUVA. Nakagawa T, et al. **Dermatologica** 1986;173(3):150–3

Squamous cell carcinoma occurring in a skin–grafted ileostomy stoma. Report of a case. O'Connell PR, et al. **Dis Colon Rectum** 1987 Jun;30(6):475–8

Photocarcinogenesis and persistent hyperplasia in UV–irradiated SENCAR mouse skin. Strickland PT. **Environ Health Perspect** 1986 Sep;68:131–4

Squamous cell carcinoma in trophic ulcer cases. Arora SK, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):100–2

Risk factors for cutaneous malignant melanoma in a northern Italian population. Cristofolini M, et al. **Int J Cancer** 1987 Feb 15;39(2):150–4

Lymphomatoid papulosis, cutaneous T–cell lymphoma, and Hodgkin's disease: diseases of activated helper T cells? Fine RM. **Int J Dermatol** 1986 Dec;25(10):636–7

Squamous cell carcinoma complicating discoid lupus erythematosus. Goh CL, et al. **Int J Dermatol** 1987 Mar; 26(2):110–1

Hyperthermia, cell proliferation and cancer [letter] Coltart S, et al. **Int J Hyperthermia** 1986 Oct–Dec;2(4):389–90

Port–wine stains: a new hypothesis. Rosen S, et al. **J Am Acad Dermatol** 1987 Jul;17(1):164–6

Fluorescent lighting enhances chemically induced papilloma formation and increases susceptibility to tumor challenge in mice. Wiskemann A, et al. **J Cancer Res Clin Oncol** 1986;112(2):141–3

Malignant melanoma arising intradermally in a small congenital nevus of an adult. Paull WH, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1176–8

A case of acantholytic squamous cell carcinoma derived from the acantholytic type of solar keratosis. Uchiyama N, et al. **J Dermatol (Tokyo)** 1986 Oct;13(5):377–80

Regulation of the immune response against UV–induced skin cancers: specificity of helper cells and their susceptibility to UV–induced suppressor cells. Romerdahl CA, et al. **J Immunol** 1986 Nov 1;137(9):3031–5

Evaluation of epidermal cell kinetics following freezing or wounding of mouse skin and their potential as initiators of carcinogenesis. Hasegawa R, et al. **J Invest Dermatol** 1987 May;88(5):652–6

Squamous cell carcinoma: complication of chronic skin disorders in black patients. Rosen T. **J Natl Med Assoc** 1986 Dec;78(12):1203–5

Links between exposure to ultraviolet radiation and skin cancer. A report of the Royal College of Physicians. **J R Coll Physicians Lond** 1987 Apr;21(2):91–6

Scar carcinoma arising acutely in a skin graft donor site. Hammond JS, et al. **J Trauma** 1987 Jun;27(6):681–3

Summer wanes, but dermatologists caution threat of skin cancer remains [news] Goldsmith MF. **JAMA** 1987 Sep 11;258(10):1281

Tumorigenesis in athymic nude mouse skin by chemical carcinogens and ultraviolet light. Anderson LM, et al. **JNCI** 1987 Jan;78(1):125–34

UV radiation–induced tumors in haired mice: identification as squamous cell carcinomas. Morison WL, et al. **JNCI** 1986 Nov;77(5):1155–62

Presence of tumor promoters in the seed oil of Jatropha curcas L. from Thailand. Horiuchi T, et al. **Jpn J Cancer Res** 1987 Mar;78(3):223–6

Sunburn and melanoma [editorial] **Lancet** 1987 May 23; 1(8543):1184

Ozone depletion and cancer risk. Jones RR. **Lancet** 1987 Aug 22;2(8556):443–6

Melanoma of the skin is not caused by ultraviolet radiation but by a chemical xenobiotic. Rampen FH, et al. **Med Hypotheses** 1987 Apr;22(4):341–6

Australian sunlight: a health hazard for the outdoor worker [editorial] Marks R. **Med J Aust** 1986 Nov 17;145(10):490–1

Risk of cutaneous melanoma in dysplastic nevus syndrome types A and B [letter] Kraemer KH, et al. **N Engl J Med** 1986 Dec 18;315(25):1615–6

Pseudo–Kaposi's sarcoma as a complication of Cimino–Brescia arteriovenous fistulas in hemodialysis patients. Bogaert AM, et al. **Nephron** 1987;46(2):170–3

Skin disorders are high on the list of occupational health hazards. Hogan DJ. **Occup Health Saf** 1986 Oct;55(10):42, 44–5

Solar exposure in the etiology of cutaneous melanoma. Sober AJ. **Photodermatol** 1987 Feb;4(1):23–31 (39 ref.)

PUVA carcinogenesis after ten years: prospect and retrospect [editorial] Stern RS. **Photodermatol** 1986 Oct;3(5):257–60

Perianal Bowen's disease associated with anorectal warts: a case report. Fiumara NJ, et al. **Sex Transm Dis** 1987 Jan–Mar;14(1):58–60

Occupational skin cancers. Emmett EA. **State Art Rev Occup Med** 1987 Jan–Mar;2(1):165–77 (58 ref.)

Sunlight and skin cancer. Kripke ML. **Tex Med** 1986 Dec; 82(12):52–3

Effects of immunosuppressive therapy on the induction of skin tumors by ultraviolet irradiation in hairless mice. Kelly GE, et al. **Transplantation** 1987 Sep;44(3):429–34

[Photocarcinogenesis] Amblard P, et al. **Ann Dermatol Venereol** 1987;114(3):381–94 (132 ref.) **(Fre)**

[Cutaneous angiosarcoma of the breast following surgery and irradiation of breast adenocarcinoma] Body G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1987;16(4):479–83 (Eng. Abstr.) **(Fre)**

[Post–traumatic epitheliomas of the skin. Review of a 10–year case series] Alessi M, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):405–9 (Eng. Abstr.) **(Ita)**

[Skin malignant tumor. High–risk groups] Ishihara K. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2667–71 (Eng. Abstr.) **(Jpn)**

[Callosal–choroid plexus lipoma associated with subcutaneous lipoma. Case report] Nitta T, et al. **Neurol Med Chir (Tokyo)** 1986 Nov;26(11):895–9 (Eng. Abstr.) **(Jpn)**

[The sun and the skin. Relation to skin cancer (editorial)] Thune P. **Tidsskr Nor Laegeforen** 1987 Mar 30;107(9):824–6 **(Nor)**

[Pathomorphology of pigmentary changes in the skin and mucous membranes] Sikorowa L. **Pediatr Pol** 1986 Aug; 61(8):484–90 (Eng. Abstr.) **(Pol)**

[Carcinogenic effect of ultraviolet rays] Lisiewicz J, et al. **Wiad Lek** 1986 Sep 1;39(17):1175–80 (34 ref.) **(Pol)**

[Epidermoid carcinoma of the skin caused by prolonged tracheostomy (letter)] de Aquino JL, et al. **Rev Paul Med** 1986 Mar–Apr;104(2):110 **(Por)**

FAMILIAL & GENETIC

Chromatid repulsion associated with Roberts/SC phocomelia syndrome is reduced in malignant cells and not expressed in interspecies somatic–cell hybrids. Krassikoff NE, et al. **Am J Hum Genet** 1986 Nov;39(5):618–30

The inheritance of cutaneous malignant melanoma (CMM) and dysplastic nevus syndrome (DNS) [letter] Pascoe L. **Am J Hum Genet** 1987 May;40(5):464–7

Juvenile hyaline fibromatosis: two new patients and review of the literature. Fayad MN, et al. **Am J Med Genet** 1987 Jan;26(1):123–31 (22 ref.)

The genetic aspects of neurofibromatosis. Carey JC, et al. **Ann NY Acad Sci** 1986;486:45–56

Linkage analysis between the beta–nerve growth factor gene and other chromosome 1p markers and disseminated neurofibromatosis. Darby JK, et al. **Ann NY Acad Sci** 1986; 486:311–26

Enhanced sensitivity of skin fibroblasts from neurofibromatosis patients to transformation by the Kirsten murine sarcoma virus. A potential laboratory assay for individuals at risk of cancer. Frankel JW, et al. **Ann NY Acad Sci** 1986;486:403–12

Evidence against linkage of von Recklinghausen neurofibromatosis and chromosome 19 markers. Huson SM, et al. **Ann NY Acad Sci** 1986;486:349–53

DNA transfection analysis of the tumors of neurofibromatosis. Jacoby LB, et al. **Ann NY Acad Sci** 1986; 486:333–5

Neurofibromatosis. A genetic epidemiologist's point of view. Mulvihill JJ. **Ann NY Acad Sci** 1986;486:38–44

Oncogene expression in neurofibromatosis. Rowley PT, et al. **Ann NY Acad Sci** 1986;486:327–32

Genetic linkage analysis of neurofibromatosis with DNA markers. Seizinger BR, et al. **Ann NY Acad Sci** 1986; 486:304–10

Genetic linkage analysis of neurofibromatosis. Spence MA, et al. **Ann NY Acad Sci** 1986;486:287–92

Normal sister chromatid exchange in lymphocytes from patients with multiple epidermal cancer? Frentz G, et al. **Arch Dermatol Res** 1987;279(3):180–3

Management of xeroderma pigmentosum. Osguthorpe JD, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar; 113(3):292–4

A familial syndrome of cardiac myxomas, myxoid neurofibromata, cutaneous pigmented lesions, and endocrine abnormalities. Wilsher ML, et al. **Aust NZ J Med** 1986 Jun;16(3):393–6

Cytogenetics in hereditary malignant melanoma and dysplastic nevus syndrome: is dysplastic nevus syndrome a chromosome instability disorder? Caporaso N, et al. **Cancer Genet Cytogenet** 1987 Feb;24(2):299–314

Neurofibromatosis in a man with a ring 22: in situ hybridization studies. Duncan AM, et al. **Cancer Genet Cytogenet** 1987 Mar;25(1):169–74

Sister chromatid exchanges, hyperdiploidy and chromosomal rearrangements studied in cells from melanoma–prone individuals belonging to families with the dysplastic nevus syndrome. Jaspers NG, et al. **Cancer Genet Cytogenet** 1987 Jan;24(1):33–43

Clonal chromosomal abnormalities in cutaneous T–cell lymphoma. Shapiro PE, et al. **Cancer Genet Cytogenet** 1987 Oct;28(2):267–76

Loss of heterozygosity at autosomal and X–linked loci during tumor progression in a patient with melanoma. Dracopoli NC, et al. **Cancer Res** 1987 Aug 1;47(15):3995–4000

Role of cytoskeleton changes and expression of the H–ras oncogene during promotion of neoplastic transformation in mouse epidermal JB6 cells. Takahashi K, et al. **Cancer Res** 1986 Nov;46(11):5923–32

Aneuploidy, an early event in mouse skin tumor development. Conti CJ, et al. **Carcinogenesis** 1986 Nov; 7(11):1845–8

Immunochemical determination of an initial step in thymine dimer excision repair in xeroderma pigmentosum variant fibroblasts and biopsy material from the normal population and patients with basal cell carcinoma and melanoma. Roth M, et al. **Carcinogenesis** 1987 Sep;8(9):1301–7

Neurofibromatosis and Albright's syndrome. Riccardi VM. **Dermatol Clin** 1987 Jan;5(1):193–203 (37 ref.)

Are Lisch nodules an ocular marker of the neurofibromatosis gene in otherwise unaffected family members? Toonstra J, et al. **Dermatologica** 1987;174(5):232–5

Site–dependent phenotypic heterogeneity in peripheral T–cell lymphoma. Duque RE, et al. **Hum Pathol** 1986 Sep; 17(9):967–70

Familial multiple trichodiscomas. Balus L, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):603–7

Melanomas arising in married couples [letter] Marcus L. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):400–1

DNA repair synthesis in fibroblast strains from patients with actinic keratosis, squamous cell carcinoma, basal cell carcinoma, or malignant melanoma after treatment with ultraviolet light, N–acetoxy–2–acetyl–aminofluorene, methyl methanesulfonate, and N–methyl–N–nitrosourea. Thielmann HW, et al. **J Cancer Res Clin Oncol** 1987; 113(2):171–86

Genotypic analysis of cutaneous T–cell lymphomas. Ralfkiaer E, et al. **J Invest Dermatol** 1987 Jun;88(6):762–5

Familial malignant melanoma. Kopf AW, et al. **JAMA** 1986 Oct 10;256(14):1915–9

Activation of c–myc and c–K–ras oncogenes in primary rat tumors induced by ionizing radiation. Sawey MJ, et al. **Mol Cell Biol** 1987 Feb;7(2):932–5

An activated Harvey ras oncogene produces benign tumours on mouse epidermal tissue. Roop DR, et al. **Nature** 1986 Oct 30–Nov 5;323(6091):822–4

Juvenile hyaline fibromatosis (Murray–Puretic–Drescher syndrome): oral and systemic findings in siblings. Sciubba JJ, et al. **Oral Surg Oral Med Oral Pathol** 1986 Oct; 62(4):397–409

[Neuroendocrine tumor of the skin. Demonstration of chromosome abnormalities in tumor cells (letter)] Hopfner C, et al. **Presse Med** 1987 Apr 25;16(15):731 **(Fre)**

[Dysplastic nevus syndrome] Andreev VC, et al. **Z Hautkr** 1986 Dec 15;61(24):1793–8 (Eng. Abstr.) **(Ger)**

HISTORY

The Proteus syndrome: the Elephant Man diagnosed. Tibbles JA, et al. **Br Med J [Clin Res]** 1986 Sep 13;293(6548):683–5

Nutrition classics. The American Journal of Cancer, Volume XXXVIII, March, 1940: The initiation and growth of tumors. Introduction. I. Effects of underfeeding. By Albert Tannenbaum. **Nutr Rev** 1987 Jan;45(1):20–2

IMMUNOLOGY

Histological and immunological features of primary Kaposi's sarcoma: evaluation before and after chemotherapy. Brambilla L, et al. **Acta Derm Venereol (Stockh)** 1987; 67(3):211–7

Identification and possible significance of HNK–1+ human lymphocytes, macrophages, and non–neoplastic T–cells in cutaneous lymphoma. McMillan E, et al. **Am J Dermatopathol** 1987 Feb;9(1):2–9

Interferon inactivator(s) in patients with AIDS and AIDS-unrelated Kaposi's sarcoma [letter] Margolis DM. **Am J Med** 1987 Jun;82(6):1278

Production of monoclonal antibodies using spleen cells from nude mice bearing human tumors. Al Saati T, et al. **Ann Pathol** 1987;7(1):1-8

T-cell receptor gene rearrangement in regressing atypical histiocytosis. Headington JT, et al. **Arch Dermatol** 1987 Sep;123(9):1183-7

Natural and concanavalin A-induced cytotoxic activity towards continuously growing B lymphocytes derived from patients with cutaneous T-cell lymphoma. Jensen JR, et al. **Arch Dermatol Res** 1986;279(1):12-5

Recombinant gamma interferon induces HLA-DR expression on squamous cell carcinoma, trichilemmoma, adenocarcinoma cell lines, and cultured human keratinocytes. Kameyama K, et al. **Arch Dermatol Res** 1987; 279(3):161-6

Reactivity of monoclonal antibody BE 2 in different stages of mycosis fungoides and in benign dermal infiltrates. Kaudewitz P, et al. **Arch Dermatol Res** 1986;279(2):83-8

Expression of a Hodgkin and Reed-Sternberg cell associated antigen (Ki-1) in cutaneous lymphoid infiltrates. Ralfkiner E, et al. **Arch Dermatol Res** 1987;279(5):285-92

Development of MoAb HMSA-2 for melanosomes of human melanoma and its application to immunohistopathologic diagnosis of neoplastic melanocytes. Maeda K, et al. **Cancer** 1987 Feb 1;59(3):415-23

Immunohistochemical detection of antigen in human primary and metastatic melanomas by the monoclonal antibody 140.240 and its possible prognostic significance. Natali PG, et al. **Cancer** 1987 Jan 1;59(1):55-63

Relationship between expression of tumor-specific transplantation antigens and neoplastic transformation in an ultraviolet radiation-induced murine skin cancer. Ananthaswamy HN. **Cancer Res** 1986 Dec;46(12 Pt 1):6322-6

The immunopathology of hypopigmented mycosis fungoides. Rustin MH, et al. **Clin Exp Dermatol** 1986 Jul;11(4):332-9

Release in vivo of IL-1 like activity by human skin. Dowd PM, et al. **Clin Exp Immunol** 1987 Mar;67(3):606-10

Monoclonal antibody patterns in cutaneous lymphoid infiltrates. Their possible relevance to the diagnosis and categorization of cutaneous lymphomas. McMillan EM. **Dermatol Clin** 1985 Oct;3(4):593-603 (139 ref.)

Immunohistochemical study of Langerhans cells in skin tumors. Sudo S, et al. **Dermatologica** 1987;174(2):76-83

Role of activated T lymphocytes in mycosis fungoides. Wehrmann W, et al. **Eur J Clin Microbiol** 1987 Apr; 6(2):210-1

Production of stable cytolytic T-cell clones directed against autologous human melanoma. Hérin M, et al. **Int J Cancer** 1987 Mar 15;39(3):390-6

Multiple clear cell acanthomas. Case report and delineation of basement membrane zone antigens. Baden TJ, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 2):1075-8

Cutaneous pheomorphic T cell lymphoma. Immunologic, virologic, and T-cell receptor gene rearrangement studies in one European case with initial pseudolymphoma presentation. Bendelac A, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):657-64

Expression of human lymphocyte antigen (HLA)-DR on tumor cells in basal cell carcinoma. Kohchiyama A, et al. **J Am Acad Dermatol** 1987 Apr;16(4):833-8

von Willebrand factor antigen levels in Kaposi's sarcoma. Penneys NS, et al. **J Am Acad Dermatol** 1986 Dec; 15(6):1214-7

Clinical implications of immunologic phenotyping in cutaneous T cell lymphoma. Vonderheid EC, et al. **J Am Acad Dermatol** 1987 Jul;17(1):40-52

Occurrence of human T cell lymphotropic virus (type I) antibodies in cutaneous T cell lymphoma. Wantzin GL, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):598-602

Lymphomatoid papulosis expresses immunophenotypes associated with T cell lymphoma but not inflammation. Wood GS, et al. **J Am Acad Dermatol** 1986 Sep; 15(3):444-58

Immunohistochemical study of HLA antigens and lymphocyte infiltration in melanocytic tumors. Kageshita T, et al. **J Dermatol (Tokyo)** 1986 Jun;13(3):179-84

A comparative immunohistochemical study of adult T cell leukemia and cutaneous T cell lymphoma. Sudo S, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):460-3

Immunohistologic studies of squamous cell carcinoma: possible participation of Leu-7+ (natural killer) cells as antitumor effector cells. Kohchiyama A, et al. **J Invest Dermatol** 1986 Oct;87(4):515-8

Differential expression of class II alloantigens by keratinocytes in disease. Volc-Platzer B, et al. **J Invest Dermatol** 1987 Jul;89(1):64-8

Associated expression of HLA class I and class II antigens on melanoma cells in surgically removed metastases. van Duinen SG, et al. **J Pathol** 1986 Aug;149(4):339-48

Cell-mediated immune response in mice during the two-step carcinogenesis experiment by 7,12-dimethylbenz(a)anthracene and 12-O-tetradecanoylphorbol-13-acetate. Takeuchi M, et al. **Jpn J Exp Med** 1986 Jun;56(3):131-4

Vascular malformations and hypogammaglobulinaemia [letter] Kasperlik-Zaluska AA. **Lancet** 1987 Aug 15; 2(8555):393

Lectin binding patterns and monoclonal antibodies to epidermal antigens in tumours of the skin. Matalanis G, et al. **Pathology** 1986 Apr;18(2):206-11

Ability of cyclosporine to promote the growth of transplanted ultraviolet radiation-induced tumors in mice. Servilla KS, et al. **Transplantation** 1987 Aug;44(2):291-5

[Demonstration in situ of immunological phenotypes in diffuse large cell lymphoma of skin monoclonal antibodies] Gu SQ, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1986 Mar;15(1):41-2 (Eng. Abstr.) **(Chi)**

[Immunologic phenotyping of cutaneous lymphomas] Kaudewitz P, et al. **Hautarzt** 1986 Dec;37(12):647-55 (Eng. Abstr.) **(Ger)**

[Cell-mediated immune reaction in patients with condylomata acuminata C. A.)] Kuhlwein A, et al. **Z Hautkr** 1987 Jul 15;62(14):1044-50 (Eng. Abstr.) **(Ger)**

[Decrease in immunoreactivity in melanoma. Analysis of DNCB tests in the literature] Remy W, et al. **Z Hautkr** 1986 Dec 15;61(24):1767-77 (Eng. Abstr.) **(Ger)**

[Detection of antibodies to melanoma cells in vitiligo by 125I-labeled SpA antibody binding assay] Mori N, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):835-8 **(Jpn)**

[Immunohistochemical study of the distribution of blood group antigens A, B and H in tumors of the epidermis] Seki Y, et al. **Nippon Hifuka Gakkai Zasshi** 1987 May; 97(6):717-21 **(Jpn)**

[An immunohistochemical study on basal cell epithelioma using anti-keratin monoclonal antibodies] Shimizu N. **Nippon Hifuka Gakkai Zasshi** 1987 May;97(6):691-7 **(Jpn)**

[Characteristics of an eosinophilic chemotactic factor released from malignant trichilemmoma cells in vivo and in vitro] Tsukamoto K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Mar;97(4):479-83 **(Jpn)**

[Immunochemical analysis of two M components (IgG-kappa, IgM-kappa) in a patient with malignant melanoma] Okumura J, et al. **Rinsho Byori** 1986 Sep; 34(9):1045-8 **(Jpn)**

METABOLISM

Absence of estrogen receptor in human melanoma as evaluated by a monoclonal antiestrogen receptor antibody. Flowers JL, et al. **Arch Dermatol** 1987 Jun;123(6):764-5

Arachidonic acid metabolites in cutaneous carcinomas [letter] Rustin MH, et al. **Arch Dermatol** 1987 Feb;123(2):159

Human papillomavirus DNA detected in squamous-cell carcinoma tissue of a patient with epidermodysplasia verruciformis. Tanigaki T, et al. **Arch Dermatol Res** 1986; 279(1):66-7

A novel technique for measuring human tissue pO2 at the cellular level. Urtasun RC, et al. **Br J Cancer** 1986 Sep; 54(3):453-7

Increased production of fibronectin by fibroblasts from pre-cancerous scars. Igisu K. **Br J Dermatol** 1987 Jan; 116(1):79-86

Variations in S-100 protein expression in naevocellular naevi may be related to metabolic activity. Paul E, et al. **Br J Dermatol** 1987 Mar;116(3):371-8

Immunosuppressive acidic protein in true histiocytic lymphoma. Yamamura T, et al. **Cancer** 1987 Jul 1; 60(1):38-41

Events associated with mouse skin tumor promotion with respect to arachidonic acid metabolism: a comparison between SENCAR and NMRI mice. Fischer SM, et al. **Cancer Res** 1987 Jun 15;47(12):3174-9

The probable role of superoxide produced by blast cells in leukaemic cutaneous spreading. Mazzone A, et al. **Int J Tissue React** 1986;8(6):493-6

Measuring S100 protein and neurone specific enolase in melanocytic tumours using video image analysis. Williams RA, et al. **J Clin Pathol** 1986 Oct;39(10):1096-8

Calcifying epithelioma of Malherbe with ossification. Special reference to lectin binding and immunohistochemistry of ossified sites. Kumasa S, et al. **J Cutan Pathol** 1987 Jun; 14(3):181-7

Transferrin receptor expression in normal skin and in various cutaneous tumors. Soyer HP, et al. **J Cutan Pathol** 1987 Feb;14(1):1-5

Peanut agglutinin immunohistochemistry of basal cell carcinoma. Vigneswaran N, et al. **J Cutan Pathol** 1987 Jun; 14(3):147-53

Immunohistochemical and electron microscopic observations in granular cell tumors. Kishimoto S, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):113-9

A comparative study of Spitz nevus and nodular malignant melanoma using image analysis cytometry. LeBoit PE, et al. **J Invest Dermatol** 1987 Jun;88(6):753-7

Biochemical markers of malignant melanoma. Matouš B, et al. **Neoplasma** 1987;34(1):77-84

[Immunohistochemical localization of factor VIII R-Ag in Kaposi's sarcoma] Risio M, et al. **Pathologica** 1985 Sep-Oct; 77(1051):503-9 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Human papillomavirus type 17 transcripts expressed in skin carcinoma tissue of a patient with epidermodysplasia verruciformis. Yutsudo M, et al. **Int J Cancer** 1987 May 15;39(5):586-9

Human papillomavirus type 16 in intraepithelial neoplasia (bowenoid papulosis) and coexistent invasive carcinoma of the vulva. Bergeron C, et al. **Int J Gynecol Pathol** 1987; 6(1):1-11

Human papillomavirus type 5 and skin cancer in renal allograft recipients [letter] Bunney MH, et al. **Lancet** 1987 Jul 18;2(8551):151-2

[Human pathogenic papillomaviruses and cancer] Scheurlen W. **Lebensversicherungsmedizin** 1986 Sep 1;38(5):139-43 (Eng. Abstr.) **(Ger)**

MORTALITY

On the natural history of von Recklinghausen neurofibromatosis. Sørensen SA, et al. **Ann NY Acad Sci** 1986;486:30-7

Prior pregnancy and melanoma survival [letter] Bork K, et al. **Arch Dermatol** 1986 Oct;122(10):1097

Prognostic significance of hypopigmentation in malignant melanoma. Bystryn JC, et al. **Arch Dermatol** 1987 Aug; 123(8):1053-5

Malignant melanoma in the elderly [letter] Lew R, et al. **J Clin Oncol** 1987 Jul;5(7):1129

Early metastatic patterns and survival in malignant melanoma. Nambisan RN, et al. **J Surg Oncol** 1987 Apr; 34(4):248-52

Trends in mortality from melanoma in Australia [letter] Armstrong BK, et al. **Med J Aust** 1987 Aug 3;147(3):150

[Malignant melanoma--compared worldwide] Balch CM, et al. **Chirurg** 1986 Oct;57(10):601-5 **(Ger)**

[Epidemiology of malignant melanoma of the skin: an international comparison] Orfanos CE, et al. **Hautarzt** 1985; 36 Suppl 7:81-4 **(Ger)**

[Malignant melanoma: increase in incidence and mortality in West Germany] Garbe C, et al. **Z Hautkr** 1986 Dec 15;61(24):1751-64 (Eng. Abstr.) **(Ger)**

[Primary melanoma of the skin] Khasanov ShR. **Khirurgiia (Mosk)** 1987 Apr;(4):108-12 (Eng. Abstr.) **(Rus)**

[Melanoma of the skin and pregnancy] Trapeznikov NN, et al. **Vopr Onkol** 1987;33(6):40-6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Cutaneous complications in renal transplant recipients. Cohen EB, et al. **Am J Clin Pathol** 1987 Jul;88(1):32-7

Seasonal variation in the incidence of cutaneous malignant melanoma: an analysis by body site and histologic type. Schwartz SM, et al. **Am J Epidemiol** 1987 Jul;126(1):104-11

Incidence of malignant melanoma in Central Hesse, Germany. Rauh M, et al. **Anticancer Res** 1987 May-Jun; 7(3 Pt B):447-8

Possible association between malignant melanoma and breast cancer [letter] Koh HK, et al. **Arch Dermatol** 1987 Jun; 123(6):712-3

Xeroderma pigmentosum. Cutaneous, ocular, and neurologic abnormalities in 830 published cases. Kraemer KH, et al. **Arch Dermatol** 1987 Feb;123(2):241-50

Increasing incidence of trunk melanoma in young Danish women [letter] Osterlind A, et al. **Br J Cancer** 1987 Apr; 55(4):467

Non-melanoma skin cancer and solar keratoses in Australia--a review. Marks R. **Eur J Epidemiol** 1985 Dec; 1(4):319-22

Incidence of non-melanoma skin cancer in Kauai during 1983 [published erratum appears in Hawaii Med J 1986 Nov;45(11):378] Stone JL, et al. **Hawaii Med J** 1986 Aug; 45(8):281-2, 285-6

Nonmelanotic skin cancer and solar keratoses. The quiet 20th century epidemic. Marks R. **Int J Dermatol** 1987 May; 26(4):201-5 (39 ref.)

Melanoma/skin cancer screening in Michigan. Field SI. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):578-83

Frequency of moles as a key to melanoma incidence? Rampen FH, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1200-3

Non melanoma skin cancer and solar keratoses in Australia. Marks R. **J Med Assoc Thai** 1987 Apr;70 Suppl 3:17-20

Skin cancer in black Americans: a review of 126 cases. Bang KM, et al. **J Natl Med Assoc** 1987 Jan;79(1):51-8

Dermatological screening. Emmett EA. **J Occup Med** 1986 Oct;28(10):1045-50

Unusual moles play leading role in new strategies for predicting and preventing malignant melanoma [news] Goldsmith MF. **JAMA** 1987 Feb 20;257(7):894-5

Melanoma surveillance and earlier diagnosis [letter] Schneider JS, et al. **Lancet** 1987 Jun 20;1(8547):1435

Strawberry hemangioma in preterm infants. Amir J, et al. **Pediatr Dermatol** 1986 Sep;3(4):331-2

The possible effect of increased surveillance on the incidence of malignant melanoma. Hiatt RA, et al. **Prev Med** 1986 Nov;15(6):652-60

[Incidence of granular cell myoblastoma, 1980-1985] Boot JM, et al. **Ned Tijdschr Geneeskd** 1987 May 16; 131(20):860-3 (Eng. Abstr.) **(Dut)**

[Clinico-histologic and statistical study on primary cutaneous melanomas (224) seen in 1984 and 1985] Zina G, et al. **G Ital Dermatol Venereol** 1987 May;122(5):219-24 (Eng. Abstr.) **(Ita)**

[Pilomatrixoma: a childhood neoplasm] Amantea A, et al. **Minerva Pediatr** 1986 Dec 31;38(23-24):1101-4 (Eng. Abstr.) **(Ita)**

[Malignant melanoma of the skin] Hove LM, et al. **Tidsskr Nor Laegeforen** 1987 Jan 10;107(1):17-9 (Eng. Abstr.) **(Nor)**

[Malignant melanoma of the skin in Norway. Have we failed in our information?] Magnus K. **Tidsskr Nor Laegeforen** 1986 Oct 10;106(28):2309–13, 2325 (Eng. Abstr.) **(Nor)**

[Evaluation of the incidence of malignant melanoma of the skin in the population of Warsaw 1973–1982] Gadomska H, et al. **Pediatr Pol** 1986 Aug;61(8):543–7 (Eng. Abstr.) **(Pol)**

[Epidemiology of malignant melanoma] Kustov VI, et al. **Vopr Onkol** 1987;33(6):35–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Squamous-cell carcinoma in a pilonidal sinus. Case report. Bark T, et al. **Acta Chir Scand** 1986 Nov;152:703–4

Fine needle aspiration cytology of metastatic dermatofibrosarcoma protuberans. A case report. Perry MD, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct; 30(5):507–12

Cell populations in pagetoid reticulosis: an immunological study using cell activation associated monoclonal antibodies. Kaudewitz P, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):24–9

Intramedullary spinal cord metastasis. A case report. Maiuri F, et al. **Acta Neurol (Napoli)** 1986 Aug;8(4):487–90

Fatal course of malignant melanoma during pregnancy with dissemination to the products of conception. Møller D, et al. **Acta Obstet Gynecol Scand** 1986;65(5):501–2

Malignant melanoma of the choroid in an infant with the dysplastic naevus syndrome. Jensen OA, et al. **Acta Ophthalmol (Copenh)** 1987 Feb;65(1):91–100

Primary small cell carcinoma of skin. Histogenetical study. Cachaza JA, et al. **Acta Pathol Jpn** 1986 Jun;36(6):905–12

Primary cutaneous meningioma. Report of a case. Kakizoe S, et al. **Acta Pathol Jpn** 1987 Mar;37(3):511–4

Merkel cell tumor. Kitazawa M, et al. **Acta Pathol Jpn** 1987 Jun;37(6):1025–32

Chondroid syringoma (mixed tumor of the skin). A clinicopathological study of 13 cases. Kunikane H, et al. **Acta Pathol Jpn** 1987 Apr;37(4):615–25

Infantile myofibromatosis. Report of two cases. Mizobuchi K, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1411–8

Infantile digital fibromatosis. An electron microscopic and immunohistochemical study. Mukai M, et al. **Acta Pathol Jpn** 1986 Nov;36(11):1605–15

Adenoid squamous cell carcinoma of the skin overlying the right breast. An autopsy case clinically manifested with rapid growth and widely spreading metastases. Watanabe K, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1921–9

Caryometry of benign compound acquired naevi, Spitz epitheloid naevi and malignant melanomas. Lindholm C, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1986 Nov; 94(6):371–4

Multiple granular cell tumors of the skin and gastrointestinal tract. Radin DR, et al. **AJR** 1986 Dec;147(6):1305–7

Basal cell carcinoma. Tobinick EL. **Am Fam Physician** 1987 Sep;36(3):219–24

Accountability of pathologists. Ackerman AB. **Am J Dermatopathol** 1985 Aug;7(4):305–6

Angiosarcomas in lymphedematous limbs. Alessi E, et al. **Am J Dermatopathol** 1986 Oct;8(5):371–8

Acquired tufted angioma. Alessi E, et al. **Am J Dermatopathol** 1986 Oct;8(5):426–9

Verruga peruana mimicking malignant neoplasms. Arias-Stella J, et al. **Am J Dermatopathol** 1987 Aug; 9(4):279–91

Hair follicle-like change over histiocytomas. Dalziel K, et al. **Am J Dermatopathol** 1986 Dec;8(6):462–6

Malignant angioendotheliomatosis proliferans. Report of an autopsied case studied with immunoperoxidase. Dominguez FE, et al. **Am J Dermatopathol** 1986 Oct;8(5):419–25

Hypopigmented mycosis fungoides. Speculations about the mechanism of hypopigmentation. Goldberg DJ, et al. **Am J Dermatopathol** 1986 Aug;8(4):326–30

Evaluation of a method for controlled tissue embedding for histologic evaluation of tumor margins. Gormley DE. **Am J Dermatopathol** 1987 Aug;9(4):308–15

"Shadow" cells as clues to follicular differentiationJacobson M, et al. **Am J Dermatopathol** 1987 Feb;9(1):51–7

Mammary Paget's disease without underlying carcinoma. Jones RE Jr. **Am J Dermatopathol** 1985 Aug;7(4):361–5

Three-dimensional reconstruction of the superficial multicentric basal cell carcinoma using serial sections and a computer. Lang PG Jr, et al. **Am J Dermatopathol** 1987 Jun;9(3):198–203

Atypical cutaneous fibrous histiocytoma. Leyva WH, et al. **Am J Dermatopathol** 1986 Dec;8(6):467–71

Primary cutaneous atypical histiocytosis with possible dissemination. Maier H, et al. **Am J Dermatopathol** 1985 Aug;7(4):373–82

A cystic teratoma in skin. Moreno A, et al. **Am J Dermatopathol** 1985 Aug;7(4):383–6

Pigmented dermatofibrosarcoma protuberans. Report of two cases as a variant of dermatofibrosarcoma protuberans with partial neural differentiation. Nakamura T, et al. **Am J Dermatopathol** 1987 Feb;9(1):18–25

Disseminated lobular capillary hemangioma (pyogenic granuloma). A clinicopathologic study of two cases. Nappi O, et al. **Am J Dermatopathol** 1986 Oct;8(5):379–85

Acquired "tufted" angioma (progressive capillary hemangioma). A distinctive clinicopathologic entity related to lobular capillary hemangioma. Padilla RS, et al. **Am J Dermatopathol** 1987 Aug;9(4):292–300

Nevi of connective tissue. A reappraisal of their classification. Pierard GE, et al. **Am J Dermatopathol** 1985 Aug; 7(4):325–33

Aspiration cytology of cutaneous metastatic melanoma and epidermoid carcinoma of the penis. Piscioli F, et al. **Am J Dermatopathol** 1986 Dec;8(6):472–7

High-grade malignant cutaneous plasmacytoma metastatic to the central nervous system. A case report with electron microscopy, immunohistological, and neuropathological studies. Prost C, et al. **Am J Dermatopathol** 1987 Feb; 9(1):30–6

The histogenesis of Kaposi's sarcoma. Russell Jones R, et al. **Am J Dermatopathol** 1986 Oct;8(5):369–70

Follicular lymphomatoid papulosis. Sexton FM, et al. **Am J Dermatopathol** 1986 Dec;8(6):496–500

Fulminant metastasizing chondroid syringoma of the skin. Shvili D, et al. **Am J Dermatopathol** 1986 Aug;8(4):321–5

Mammary and extramammary Paget's disease. Sitakalin C, et al. **Am J Dermatopathol** 1985 Aug;7(4):335–40

The fluorescence of melanocytic lesions. Temple-Camp CR, et al. **Am J Dermatopathol** 1986 Aug;8(4):290–4

Three immunostaining techniques for the localization of leukocyte common antigen in formalin-fixed, paraffin-embedded dermatological biopsy specimens. Wick MR, et al. **Am J Dermatopathol** 1987 Jun;9(3):250–5

Mycosis fungoides simulating acanthosis nigricans. Willemze R, et al. **Am J Dermatopathol** 1985 Aug;7(4):367–71

Diffuse large cell lymphomas of follicular center cell origin presenting in the skin. A clinicopathologic and immunologic study of 16 patients. Willemze R, et al. **Am J Pathol** 1987 Feb;126(2):325–33

Prognostic factors in patients with regional cervical nodal metastases from cutaneous malignant melanoma. Singletary SE, et al. **Am J Surg** 1986 Oct;152(4):371–5

Kaposi's sarcoma. With special reference to its manifestations in infants and children and to the concepts of Arthur Purdy Stout. Dorfman RF. **Am J Surg Pathol** 1986;10 Suppl 1:68–77 (70 ref.)

Invasive benign histiocytoma [letter] Nguyen GK, et al. **Am J Surg Pathol** 1987 Jun;11(6):487–8

Malignant melanoma primary in lymph node. The case of the missing link. Shenoy BV, et al. **Am J Surg Pathol** 1987 Feb;11(2):140–6

Granular cell tumors. Morrison JG, et al. **Am Surg** 1987 Mar; 53(3):156–60

Cell culture studies on neurofibromatosis (von Recklinghausen). Characterization of cells growing from neurofibromas. Krone W, et al. **Ann NY Acad Sci** 1986; 486:354–70

Schwann-like cells cultured from human dermal neurofibromas. Immunohistological identification and response to Schwann cell mitogens. Pleasure D, et al. **Ann NY Acad Sci** 1986;486:227–40

Neurofibromatosis in the bicolor damselfish (Pomacentrus partitus) as a model of von Recklinghausen neurofibromatosis. Schmale MC, et al. **Ann NY Acad Sci** 1986;486:386–402

Connective tissue biochemistry of neurofibromas. Uitto J, et al. **Ann NY Acad Sci** 1986;486:271–86

The lower limb as a presenting site of malignant lymphoma. Stringer MD, et al. **Ann R Coll Surg Engl** 1987 Jan; 69(1):8–11

Two cases of spindle cell tumors studied by light microscopy, electron microscopy and immunohistochemistry. Steiner A, et al. **Anticancer Res** 1987 May-Jun;7(3 Pt B):435–6

Multiple nodules on the leg. Primary neuroendocrine carcinoma of the skin (PNCS). Aneiros J, et al. **Arch Dermatol** 1987 May;123(5):654, 656–8

Leukemia cutis in acute myelomonocytic leukemia. Preferential localization in a recent Hickman catheter scar. Baden TJ, et al. **Arch Dermatol** 1987 Jan;123(1):88–90

Asymptomatic nodules on the back and abdomen. Connective tissue nevi, eruptive collagenoma type. Berberian BB, et al. **Arch Dermatol** 1987 Jun;123(6):811–2, 815

Squamous cell carcinoma following fluorouracil-responsive 'keratoacanthoma' [letter] Cobb MW, et al. **Arch Dermatol** 1987 Aug;123(8):987–8

Infiltrated blue-gray plaques in a patient with leukemia. Chloroma (granulocytic sarcoma). Cohen PR, et al. **Arch Dermatol** 1987 Feb;123(2):251, 254

Dysplastic nevus in histologic contiguity with acquired nonfamilial melanoma. Clinicopathologic experience in a 100-bed hospital. Duray PH, et al. **Arch Dermatol** 1987 Jan;123(1):80–4

Palmar lesions and a nonhealing ulcer of the ear in a former agricultural worker. Arsenical keratoses; invasive squamous cell carcinoma of the right ear; and bowenoid keratoses. Jampel RM, et al. **Arch Dermatol** 1987 Feb; 123(2):253, 255–6

Carcinoma arising in Bowen's disease. Kao GF. **Arch Dermatol** 1986 Oct;122(10):1124–6

Epidermal appendage tumors in xeroderma pigmentosum [letter] Kars SA, et al. **Arch Dermatol** 1987 Jun;123(6):713–4

Neurotropic Melanoma. A variant of desmoplastic melanoma. Kossard S, et al. **Arch Dermatol** 1987 Jul;123(7):907–12

An enlarging tumor of the foot. Eccrine poroma. Moeller CA, et al. **Arch Dermatol** 1987 May;123(5):653–4, 656

Atypical fibroxanthoma in a patient with xeroderma pigmentosum. Patterson JW, et al. **Arch Dermatol** 1987 Aug;123(8):1066–70

Superior vena cava obstruction from Merkel cell carcinoma [letter] Routh A, et al. **Arch Dermatol** 1987 Jun; 123(6):714–6

Umbilical nodule and abdominal pain. Endometriosis. Shwayder TA. **Arch Dermatol** 1987 Jan;123(1):106–7, 109

Congenital, segmental pigmented lesions. Segmental neurofibromatosis (SN). Stotts JS, et al. **Arch Dermatol** 1987 Feb;123(2):252. 255

Immunohistochemical demonstration of simple epithelia-type keratin intermediate filament in a case of Merkel cell carcinoma. Tazawa T, et al. **Arch Dermatol** 1987 Apr, 123(4):489–92

Primary benign chondroblastoma cutis: extraskeletal manifestation without bone involvement [letter] Weinrauch L, et al. **Arch Dermatol** 1987 Jan;123(1):24–6

Well-demarcated papules and plaques in sun-exposed areas. Multiple large-cell acanthomas. Weinstock MA, et al. **Arch Dermatol** 1987 Aug;123(8):1073, 1075–6

Solitary nodule on the foot of a 37-year-old man. Atypical fibroxanthoma (AFX). Wesson SK. **Arch Dermatol** 1986 Nov;122(11):1326, 1329

In vitro study of the cell populations in two cases of Kaposi's sarcoma. Gioanni J, et al. **Arch Dermatol Res** 1986; 279(1):26–31

Immunohistochemical studies of basal cell carcinomas transplanted into nude mice. Löning TH, et al. **Arch Dermatol Res** 1986;279(1):37–43

Multiple cylindromas. The 'turban tumor'. Nerad JA, et al. **Arch Ophthalmol** 1987 Aug;105(8):1137

Pathologic quiz case 2. Plaque stage of mycosis fungoides. Derkay C, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):332–3, 335–6

Pathologic quiz case 1. Epithelioid hemangioma (histiocytoid hemangioma, angiolymphoid hyperplasia with eosinophilia). Walker AN, et al. **Arch Otolaryngol Head Neck Surg** 1987 Mar;113(3):332–5

Malignant transformation in a solitary dermal cylindroma. Lin PY, et al. **Arch Pathol Lab Med** 1987 Aug;111(8):765–7

Pilomatrixoma. Cytologic features with differential diagnostic considerations. Solanki P, et al. **Arch Pathol Lab Med** 1987 Mar;111(3):294–7

Cutaneous thick melanoma. Prognosis and treatment. Schneebaum S, et al. **Arch Surg** 1987 Jun;122(6):707–11

Recurrent melanocytic naevi following partial removal (pseudomelanoma). Dymock RB, et al. **Australas J Dermatol** 1986 Aug;27(2):67–9

Merkel cell carcinoma—a potentially aggressive disease. Boyages J, et al. **Australas Radiol** 1986 Nov;30(4):335–9

An original method for submacroscopic metastases visualization in cases of cancer minimal residual disease. Le Pape A, et al. **Biomed Pharmacother** 1986;40(10):392–8

Evaluation of circulating malignant cells provides prognostic information in cutaneous T cell lymphoma. Schechter GP, et al. **Blood** 1987 Mar;69(3):841–9

Multicentric reticulohistiocytosis. Coupe MO, et al. **Br J Dermatol** 1987 Feb;116(2):245–7

A case of multicentric reticulohistiocytosis: uncommon clinical signs and a report of T-cell marker characteristics. Green CA, et al. **Br J Dermatol** 1986 Nov;115(5):623–8

Pleomorphic lipoma of the dermis. Nigro MA, et al. **Br J Dermatol** 1987 May;116(5):713–7

Cell proliferation kinetics of cultured human keratinocytes and fibroblasts measured using a monoclonal antibody. Oku T, et al. **Br J Dermatol** 1987 May;116(5):673–9

NK cell density in malignant skin tumours—a stereological study. Smolle J, et al. **Br J Dermatol** 1987 Jun;116(6):823–9

Relative increase of Langerhans cells in 'banal' and dysplastic melanocytic naevi. Sterry W, et al. **Br J Dermatol** 1987 Apr;116(4):511–5

Pagetoid reticulosis, epidermotropic mycosis fungoides and mycosis fungoides: a disease spectrum. Tan RS, et al. **Br J Dermatol** 1987 Jan;116(1):67–77

Neurotropic malignant melanoma of right temple with orbital metastasis: a clinicopathological case report. Khalil MK, et al. **Br J Ophthalmol** 1987 Jan;71(1):41–6

Cutaneous malignant melanoma in the young. Moss AL, et al. **Br J Plast Surg** 1986 Oct;39(4):537–41

Small bowel metastases from a Merkel cell tumor. Naunton Morgan TC, et al. **Br J Radiol** 1985 Dec;58(696):1212–3

Effect of rapid referral on thickness of melanomas. **Br Med J [Clin Res]** 1986 Sep 27;293(6550):790

Angiosarcoma of the scalp: case report and literature review. Freedman AN. **Can J Surg** 1987 May;30(3):197–8

Prognostic index for malignant melanoma. Kopf AW, et al. **Cancer** 1987 Mar 15;59(6):1236–41

Risk of developing another basal cell carcinoma. A 5-year prospective study. Robinson JK. **Cancer** 1987 Jul 1; 60(1):118–20

Malignant lymphoma of the skin in children. Zaatari GS, et al. **Cancer** 1987 Mar 1;59(5):1040–5

A new medium for primary cultures of adult murine epidermal cells: application to experimental carcinogenesis. Morris RJ, et al. **Cancer Lett** 1987 Mar;34(3):297–304

Metastasis from squamous cell carcinomas of SENCAR mouse skin produced by complete carcinogenesis. Patskan GJ, et al. **Cancer Lett** 1987 Feb;34(2):121–7

Enhanced G2 chromatid radiosensitivity, an early stage in the neoplastic transformation of human epidermal keratinocytes in culture. Gantt R, et al. **Cancer Res** 1987 Mar 1;47(5):1390–7

Terminal differentiation-resistant epidermal cells in mice undergoing two-stage carcinogenesis [published erratum appears in Cancer Res 1987 Sep 1;47(17):4752] Miller DR, et al. **Cancer Res** 1987 Apr 1;47(7):1935–40

Sequential studies of skin tumorigenesis in phosphoglycerate

kinase mosaic mice: effect of resumption of promotion on regressed papillomas. Reddy AL, et al. **Cancer Res** 1987 Apr 1;47(7):1947–51

Distinct effects of Na+ and Li+ on the induction of morphological changes in A431 cells mediated by epidermal growth factor. Emura–Yamaguchi N, et al. **Cell Struct Funct** 1987 Feb;12(1):23–33

The complex of myxomas, spotty pigmentation and endocrine overactivity. Leedman PJ, et al. **Clin Endocrinol (Oxf)** 1986 Nov;25(5):527–34

Benign dermal Schwannoma with glandular elements—true heterology or a local 'organizer' effect? Fletcher CD, et al. **Clin Exp Dermatol** 1986 Sep;11(5):475–85

Growth of cavernous hemangioma with puberty [letter] Stickler GB. **Clin Pediatr (Phila)** 1986 Dec;25(12):629

Clinical and histologic features of nevi with emphasis on treatment approaches. Kaplan E, et al. **Clin Plast Surg** 1987 Apr;14(2):277–300 (52 ref.)

Successfully treated Hodgkin's disease followed by mycosis fungoides: case report and review of the literature. Kaufman D, et al. **Cutis** 1987 Apr;39(4):291–6

Histologically proven leukemia cutis carries a poor prognosis in acute nonlymphocytic leukemia. Shaikh BS, et al. **Cutis** 1987 Jan;39(1):57–60

Clinical features of cutaneous T–cell lymphoma. Abel EA. **Dermatol Clin** 1985 Oct;3(4):647–64 (100 ref.)

Cutaneous pseudolymphomas. Brodell RT, et al. **Dermatol Clin** 1985 Oct;3(4):719–34 (75 ref.)

Cutaneous B–cell lymphoma. Burg G, et al. **Dermatol Clin** 1985 Oct;3(4):689–704 (50 ref.)

Cutaneous histiocytic proliferations. van der Valk P, et al. **Dermatol Clin** 1985 Oct;3(4):705–17 (97 ref.)

Necrobiosis–lipoidica–like skin manifestation in lymphomatoid granulomatosis (Liebow). Akagi M, et al. **Dermatologica** 1987;174(2):84–92

Skin tags: localization and frequencies according to sex and age. Banik R, et al. **Dermatologica** 1987;174(4):180–3

Triple extramammary Paget's disease. Immunohistochemical studies. Hashimoto T, et al. **Dermatologica** 1986; 173(4):174–9

Mycosis fungoides and Sézary's syndrome show distinct histomorphological features. Imai S, et al. **Dermatologica** 1986;173(3):131–5

Morphological and flow–cytometric characterization of a trichilemmoid carcinoma cell line in vitro. Katsuoka K, et al. **Dermatologica** 1987;175(1):15–22

Regressing atypical histiocytosis (of Flynn). Report of a new case. Moayed MJ, et al. **Dermatologica** 1987;174(5):253–7

Bowenoid papulosis. LaVoo JW. **Dis Colon Rectum** 1987 Jan; 30(1):62–4

Allogeneic transplantation of normal epidermal cells and squamous cell carcinomas in SENCAR mice. Conti CJ, et al. **Environ Health Perspect** 1986 Sep;68:125–9

A sensitive method to quantify the terminal differentiation of cultured epidermal cells. King I, et al. **Exp Cell Res** 1986 Nov;167(1):252–6

Bowenoid papulosis: clinical and histological study of eight cases. Gimeno E, et al. **Genitourin Med** 1987 Apr; 63(2):109–13

Atypical fibroxanthoma of the skin: a clinicopathological and immunohistochemical study and a discussion of its histogenesis. Leong AS, et al. **Histopathology** 1987 May; 11(5):463–75

Immunohistochemical staining in primary neuroendocrine (Merkel cell) carcinoma of the skin [letter] Leong AS, et al. **Histopathology** 1987 Jun;11(6):668–9

Spitz naevi and malignant melanomas of childhood and adolescence. Peters MS, et al. **Histopathology** 1986 Dec; 10(12):1289–302

Multiple melanomas associated with diffuse melanocytic dysplasia. Robertson I, et al. **Histopathology** 1987 Apr; 11(4):395–402

Cytokeratin distribution in Merkel cell tumor of the skin [letter] Leong AS, et al. **Hum Pathol** 1987 Mar;18(3):308–9

Endovascular papillary angioendothelioma of childhood: a vascular lesion possibly characterized by "high" endothelial cell differentiation. Manivel JC, et al. **Hum Pathol** 1986 Dec;17(12):1240–4

DLE changing into squamous cell carcinoma in an Indian farmer. Samar SK, et al. **Indian J Dermatol** 1985 Apr; 30(2):41–3

Lichen planus arising in an inflammatory linear verrucous epidermal nevus. Ahrens EM, et al. **Int J Dermatol** 1986 Oct;25(8):527–8

Histopathologic concepts of intraepithelial epithelioma. Hodge SJ, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):372–5

Eruptive lesions and the sign of Leser–Trélat [letter] Holdiness MR. **Int J Dermatol** 1986 Jul–Aug;25(6):405–6

Cutaneous T–cell lymphoma and related disorders. Heterogeneity in clinical, histopathologic, phenotypic, and fine structural expressions. Jimbow K, et al. **Int J Dermatol** 1986 Oct;25(8):485–97 (50 ref.)

Association of syringoma and intradermal nevus. Malhotra R, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):397

Granuloma pyogenicum. Ro BI. **Int J Dermatol** 1986 Dec; 25(10):634–5

The anatomical distribution of skin cancers. Pearl DK, et al. **Int J Epidemiol** 1986 Dec;15(4):502–6

Acute myelofibrosis and multiple chloromas of the mandible and skin. Saleh MN, et al. **Int J Oral Maxillofac Surg** 1987 Feb;16(1):108–11

Ocular and orbital metastasis of cutaneous melanomas. Oosterhuis JA, et al. **Int Ophthalmol** 1987 Jun;10(3):175–84

Electron microscopic and immunolabeling studies of the lesional and normal skin of patients with mycosis fungoides treated by total body electron beam irradiation. Braverman IM, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):61–74

Pilomatrix carcinoma. Green DE, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):264–70

Dermatofibroma occurring in a smallpox vaccination scar [letter] Hendricks WM. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):146–7

Connective tissue nevus masquerading as a localized linear epidermal nevus. Herbst VP, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 2):264–6

Desmoplastic melanoma of the penis [letter] Jorda E, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):619–20

Multiple skin tumors of indeterminate cells in an adult. Kolde G, et al. **J Am Acad Dermatol** 1986 Oct;15(4 Pt 1):591–7

Kaposi's sarcoma and acquired immunodeficiency syndrome. Postmortem findings in twenty–four cases. Lemlich G, et al. **J Am Acad Dermatol** 1987 Feb;16(2 Pt 1):319–25

Deep recurrent basal cell epithelioma [letter] Leonforte JF. **J Am Acad Dermatol** 1987 Jun;16(6):1257–9

Primary cutaneous lymphoplasmacytic lymphoma. Martí RM, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 2):1106–10

Recurrent melanocytic nevi: clinical and histologic review of 175 cases. Park HK, et al. **J Am Acad Dermatol** 1987 Aug;17(2 Pt 1):285–92

Epidermotropic primary neuroendocrine (Merkel cell) carcinoma of the skin with Pautrier–like microabscesses. Report of three cases and review of the literature. Rocamora A, et al. **J Am Acad Dermatol** 1987 Jun; 16(6):1163–8

Primary cutaneous adenoid cystic carcinoma. Seab JA, et al. **J Am Acad Dermatol** 1987 Jul;17(1):113–8

Histopathologic studies in Sézary syndrome and erythrodermic mycosis fungoides: a comparison with benign forms of erythroderma. Sentis HJ, et al. **J Am Acad Dermatol** 1986 Dec;15(6):1217–26

Eruptive widespread Spitz nevi. Smith SA, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 2):1155–9

Confluent and reticulated papillomatosis [letter] el–Tonsy MH, et al. **J Am Acad Dermatol** 1987 Apr;16(4):893–4

Primary cutaneous large cell lymphomas of follicular center cell origin. A clinical follow–up study of nineteen patients. Willemze R, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):518–26

Kaposi's idiopathic hemorrhagic sarcoma. A case report. Jarvis BD, et al. **J Am Podiatr Med Assoc** 1987 Jul; 77(7):354–6

Malignant melanoma in the elderly. Cohen HJ, et al. **J Clin Oncol** 1987 Jan;5(1):100–6

Cytologic transformation in cutaneous T cell lymphoma: a clinicopathologic entity associated with poor prognosis. Dmitrovsky E, et al. **J Clin Oncol** 1987 Feb;5(2):208–15

Malignant eccrine poroma: report of three cases. Ryan JF, et al. **J Clin Pathol** 1986 Oct;39(10):1099–104

Merkel cell carcinoma. Marks S, et al. **J Comput Tomogr** 1987 Jul;11(3):291–3

Primitive neuroectodermal tumor in the skin with features of neuroblastoma in an adult patient. Argenyi ZB, et al. **J Cutan Pathol** 1986 Dec;13(6):420–30

Extramedullary (skin) presentation of acute monocytic leukemia resembling cutaneous lymphoma: morphological and immunological features. Blaustein JC, et al. **J Cutan Pathol** 1987 Aug;14(4):232–7

Verrucous carcinoma of the skin associated with syringadenoma papilliferum: a case report. Contreras F, et al. **J Cutan Pathol** 1987 Aug;14(4):238–41

Porokeratotic eccrine ostial and dermal duct nevus. Driban NE, et al. **J Cutan Pathol** 1987 Apr;14(2):118–21

Superficial epithelioma with sebaceous differentiation. Friedman KJ, et al. **J Cutan Pathol** 1987 Aug;14(4):193–7

Linear cutaneous neuromas (dermatoneurie en stries): a limited phakomatosis with striated pigmentation corresponding to cutaneous hyperneury (featuring multiple endocrine neoplasia syndrome?). Guillet G, et al. **J Cutan Pathol** 1987 Feb;14(1):43–8

Basal cell epithelioma with giant tumor cells: light and electron microscopic study. Ochiai T, et al. **J Cutan Pathol** 1987 Aug;14(4):242–7

Paget's disease of the groin associated with adenocarcinoma of the urinary bladder. Ojeda VJ, et al. **J Cutan Pathol** 1987 Aug;14(4):227–31

Palisading cutaneous fibrous histiocytoma. Schwob VS, et al. **J Cutan Pathol** 1986 Dec;13(6):403–7

Meningioma of the scalp: a case report with immunohistological features. Theaker JM, et al. **J Cutan Pathol** 1987 Feb;14(1):49–53

Tubular apocrine adenoma. Toribio J, et al. **J Cutan Pathol** 1987 Apr;14(2):114–7

Perforating pilomatricoma. Uchiyama N, et al. **J Cutan Pathol** 1986 Aug;13(4):312–8

Primary neuroendocrine carcinoma and small–cell malignant lymphoma of the skin. A discriminant immunohistochemical comparison. Wick MR, et al. **J Cutan Pathol** 1986 Oct;13(5):347–58

Tumor stage mycosis fungoides in a patient treated with long–term corticosteroids for asthma and atopic–like dermatitis. Abel EA, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1089–93

Fatal outcome in a metatypical, giant, "horrifying" basal cell carcinoma. Bianchini R, et al. **J Dermatol Surg Oncol** 1987 May;13(5):556–7

Biologic behavior of BCC [letter] Broadbent G. **J Dermatol Surg Oncol** 1987 Jul;13(7):712

Epithelioma cuniculatum (carcinoma cuniculatum) of the thumb: a case report and literature review. Coldiron BM, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1150–5

The association of basal cell carcinomas with other tumors. Coskey RJ, et al. **J Dermatol Surg Oncol** 1987 May; 13(5):553–5

Metastatic basal cell carcinoma originating in the supra–parotid region. Dzubow LM. **J Dermatol Surg Oncol** 1986 Dec;12(12):1306–8

Malignant blue nevus [letter] Ginzburg A, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1252, 1328

Transepithelial elimination of benign and malignant tumors. Goette DK. **J Dermatol Surg Oncol** 1987 Jan;13(1):68–73

Thickness of malignant melanoma: global analysis of related factors. Kopf AW, et al. **J Dermatol Surg Oncol** 1987 Apr; 13(4):345–90, 401–20

A bullous variant of Kaposi's sarcoma in an elderly female. Recht B, et al. **J Dermatol Surg Oncol** 1986 Nov; 12(11):1192–7

Pregnancy and hormonal influences on malignant melanoma. Schwartz BK, et al. **J Dermatol Surg Oncol** 1987 Mar; 13(3):276–81

Subclinical syringoma coexisting with basal cell carcinoma. Spitz DF, et al. **J Dermatol Surg Oncol** 1987 Jul;13(7):793–5

Solitary pigmented Bowen's disease of the scrotum. Wagner RF Jr, et al. **J Dermatol Surg Oncol** 1986 Oct;12(10):1114–5

A tumor with sebaceous differentiation showing intraepidermal epithelioma. Aso M, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):137–40

Comparison of the nuclear contour index (NCI) and T cell subsets of erythematosus, plaque and tumor lesions in patients with mycosis fungoides (MF). Hantanyapong Y, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):43–7

Multiple linear eccrine spiradenoma associated with multiple trichoepithelioma. Ikeya T. **J Dermatol (Tokyo)** 1987 Feb; 14(1):48–53

An epithelioma with hair follicle and apocrine differentiation. Masuda T, et al. **J Dermatol (Tokyo)** 1987 Feb;14(1):81–4

A case of poroma folliculare on the forearm. Muramatsu T, et al. **J Dermatol (Tokyo)** 1986 Dec;13(6):483–5

Increased densities of Langerhans cells in the epidermis of skin tumors. Yamaji K, et al. **J Dermatol (Tokyo)** 1987 Feb; 14(1):20–4

Prognostic significance of initial skin lesions in epidermotropic cutaneous lymphoma. Yamamura T, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):120–5

Merkel cell carcinoma. Doyle MA. **J Foot Surg** 1986 Sep–Oct;25(5):374–7

Digital volar amelanotic malignant melanoma in a child. Chapman P, et al. **J Hand Surg [Br]** 1987 Feb;12(1):117–9

Kaposi's sarcoma. Tandon R, et al. **J Indian Med Assoc** 1986 Feb;84(2):59–60, 65–6

A computed image analyzing system for quantitation of melanocyte morphology in café–au–lait macules of neurofibromatosis. Ishida O, et al. **J Invest Dermatol** 1987 Mar;88(3):287–91

Langerhans cell density in epithelial skin tumors correlates with epithelial differentiation but not with the peritumoral infiltrate. Smolle J, et al. **J Invest Dermatol** 1986 Oct; 87(4):477–9

Mucocutaneous granulocytic sarcomas of the head and neck. Dreizen S, et al. **J Oral Pathol** 1987 Feb;16(2):57–60

Linear nevi, hemihypertrophy, connective tissue hamartomas, and unusual neoplasms in children. Hornstein L, et al. **J Pediatr** 1987 Mar;110(3):404–8

Recurring digital fibrous tumor of childhood: case report with long–term follow–up and review of the literature. Dabney KW, et al. **J Pediatr Orthop** 1986 Sep–Oct; 6(5):612–7

Aggressive squamous cell carcinoma of the skin after chronic lymphocytic leukemia. Bridges N, et al. **J Surg Oncol** 1986 Sep;33(1):27–30

Pilomatrix carcinoma. Chen KT, et al. **J Surg Oncol** 1986 Oct;33(2):112–4

Granulomatous reactions in mycosis fungoides. Dabski K, et al. **J Surg Oncol** 1987 Apr;34(4):217–29

Basal cell carcinoma with lung metastases: a case report. Icli F, et al. **J Surg Oncol** 1986 Sep;33(1):57–60

Changes in survival with clinical stage I malignant melanoma. Karakousis CP, et al. **J Surg Oncol** 1987 Mar;34(3):155–9

Spontaneous regional lymph node metastases of three variants of the B16 melanoma: relationship to primary tumor size and pulmonary metastases. Nathanson SD, et al. **J Surg Oncol** 1986 Sep;33(1):41–5

Giant basal cell carcinoma with metastases and myelophthisic anemia. Schwartz RA, et al. **J Surg Oncol** 1986 Dec; 33(4):223–6

Cellular blue nevus simulating metastatic melanoma: report of an unusually large lesion associated with nevus–cell aggregates in regional lymph nodes. Sterchi JM, et al. **J Surg Oncol** 1987 Sep;36(1):71–5

Dermatofibrosarcoma protuberans—a clinicopathological study of ten cases. Chattopadhyay TK, et al. **Jpn J Surg** 1986 Nov;16(6):435–8

Biology of tumor progression in human melanocytes. Herlyn M, et al. **Lab Invest** 1987 May;56(5):461–74 (135 ref.)

Establishment and characterization of a neuroendocrine skin carcinoma cell line. Rosen ST, et al. **Lab Invest** 1987 Mar;

56(3):302–12
Epithelioid angiomatosis: a distinct vascular disorder in patients with the acquired immunodeficiency syndrome or AIDS-related complex. Cockerell CJ, et al. **Lancet** 1987 Sep 19;2(8560):654–6
Early or low-grade melanoma? [letter] Retsas S. **Lancet** 1987 Aug 1;2(8553):276–7
The diagnostic dilemma of subungual melanoma [letter] Fernando SS, et al. **Med J Aust** 1987 Mar 16;146(6):325
Fibrosarcoma: a belated historical diagnosis [letter] Nores JM, et al. **Med J Aust** 1987 Aug 3;147(3):157, 159
Histology of skin lesions [letter] Orr KB. **Med J Aust** 1986 Nov 17;145(10):550
Case of diagnosis. Multiple atypical fibroxanthoma. Nadjem MA. **Milit Med** 1986 Dec;151(12):666, 668–9
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 24–1987. A 56-year-old man with a substernal goiter, multiple cutaneous and mucosal lesions, and a positive stool test for occult blood. **N Engl J Med** 1987 Jun 11;316(24):1531–40
Clonal analysis of T cells in lymphomatoid papulosis [letter] **N Engl J Med** 1987 Feb 5;316(6):347–8
Cylindroma of the scalp. Spauwen PH, et al. **Neth J Surg** 1987 Jun;39(3):101–3
Malignant melanoma of the skin. Changing clinical stage at presentation, 1955–1979. Hove LM, et al. **Oncology** 1987; 44(3):156–8
Neoplastic angioendotheliomatosis. A variant of malignant lymphoma immunohistochemical and ultrastructural observations of three cases. Elner VM, et al. **Ophthalmology** 1986 Sep;93(9):1237–45
Metastatic atypical fibroxanthoma of skin. Grosso M, et al. **Pathol Res Pract** 1987 Jun;182(3):443–7
Dermatofibrosarcoma protuberans: report of an "early" lesion with further considerations on the possible histogenesis. Gherardi G, et al. **Pathologica** 1986 May-Jun; 78(1055):385–92
Bidirectional differentiation in a large cell pleomorphic primary endocrine carcinoma of the skin (a variant of malignant Merkel cell tumour). Leong AS, et al. **Pathology** 1986 Apr;18(2):256–61
Quantitative assessment of Langerhans cells in actinic keratosis, Bowen's disease, keratoacanthoma, squamous cell carcinoma and basal cell carcinoma. McArdle JP, et al. **Pathology** 1986 Apr;18(2):212–6
Dermal monocytic sarcoma/monoblastic tumour: report of two cases of acute monocytic leukemia with initial dermal manifestations only. Miliauskas JR. **Pathology** 1986 Apr; 18(2):249–53
Superficial spreading malignant melanoma with neurosarcomatous metastasis. Nyong'o AO, et al. **Pathology** 1986 Oct;18(4):473–7
The epidermal nevus syndrome: case report and review. Goldberg LH, et al. **Pediatr Dermatol** 1987 May;4(1):27–33
Small and giant congenital melanocytic nevi as precursors to melanoma in children and adults. Illig L. **Pediatr Pol** 1986 Aug;61(8):475–83
Problems of melanoma developing from common acquired nevi. Paul E. **Pediatr Pol** 1986 Aug;61(8):491–9
Predictive value of staging investigations in patients with clinical stage I malignant melanoma. Iscoe N, et al. **Plast Reconstr Surg** 1987 Aug;80(2):233–9
Pilomatrixoma [letter] Lineaweaver W. **Plast Reconstr Surg** 1987 Jun;79(6):1005–6
Locally invasive cellular blue nevus of the scalp. Wetherington GM, et al. **Plast Reconstr Surg** 1987 Jan; 79(1):114–7
Progressive dysplasia and aneuploidy are hallmarks of mouse skin papillomas: relevance to malignancy. Aldaz CM, et al. **Proc Natl Acad Sci USA** 1987 Apr;84(7):2029–32
Carcinoma-penis. Goel TC. **Q Med Rev** 1986 Apr;37(2):1–36
Multicentric pigmented Bowen's disease. A report of 2 cases. Schamroth JM, et al. **S Afr Med J** 1987 Apr 18;71(8):525–6
Verrucous Bowen's disease in a black patient. A case report. Schamroth JM, et al. **S Afr Med J** 1987 Apr 18;71(8):527–8
Acral lentiginous malignant melanoma. Case report. Jakobsson OP, et al. **Scand J Plast Reconstr Surg** 1986; 20(3):323–6
Malignant lymphomas of the skin: their differentiation from lymphoid and nonlymphoid cutaneous infiltrates that simulate lymphoma. Burke JS. **Semin Diagn Pathol** 1985 Aug;2(3):169–82 (47 ref.)
Case report 403: Extra-mammary Paget disease of the skin with disseminated skeletal metastases. Vigorita VJ, et al. **Skeletal Radiol** 1986;15(8):680–4
Cellular blue nevus of the scalp associated with intracranial involvement. Nakano S, et al. **Surg Neurol** 1987 Jun; 27(6):553–7
Nodular sclerosing Hodgkin's disease with massive skin invasion. Tanaka K, et al. **Tokai J Exp Clin Med** 1986 Aug; 11(3):213–8
Metastatic growth of a murine tumor: evidence of dissemination to the lungs in the absence of subcutaneous growth. Alberti S, et al. **Tumori** 1986 Aug 31;72(4):345–50
Malignant melanoma over a fifty-year period: a histological evaluation. Walsh MY, et al. **Ulster Med J** 1986 Oct; 55(2):118–23
Ultrasonic tissue characterization and histopathology in tumor xenografts following ultrasonically induced hyperthermia. Silverman RH, et al. **Ultrasound Med Biol** 1986 Aug;12(8):639–45
Neuroendocrine carcinomas of the skin: light microscopic, ultrastructural, and immunohistochemical analysis. Gould VE, et al. **Ultrastruct Pathol** 1980 Oct-Dec;1(4):499–509
Metastatic malignant melanoma of the kidney. Case report and review of the literature. Bolkier M, et al. **Urol Int** 1986;41(4):307–8
Malignant evolution of penile horn. Fields T, et al. **Urology** 1987 Jul;30(1):65–6
Immunohistochemical study of epidermal Langerhans cells and dermal dendritic cells in benign and malignant skin lesions characterized by a dermal lymphoid infiltrate consisting either of B-cells or T-cells. Drijkoningen M, et al. **Virchows Arch [A]** 1987;411(4):337–43
Quantitative analysis of T6-positive Langerhans cells in human skin cancers. Meissner K, et al. **Virchows Arch [A]** 1986;410(1):57–63
Immunohistological analysis of the lymphoid infiltrate in cutaneous malignant melanomas. Ralfkiaer E, et al. **Virchows Arch [A]** 1987;410(4):355–61
Melanoma in situ (MIS) adjacent to an invasive nodular melanoma ("SSM/NM") and its metastases—DNA-cytophotometry, mitotic index, and anisokaryosis. Schmiegelow P, et al. **Virchows Arch [A]** 1987;411(3):213–21
Abnormal T-lymphocytes in lymphomatoid papulosis. A cytomorphological study with a reconstruction of a major part of the cell differentiation cycle. van der Putte SC, et al. **Virchows Arch [B]** 1987;52(5):413–27
[Dysplastic nevus (introduction to the problem)] Stanová M. **Cesk Patol** 1987 Mar;23(1):30–1 (Cze)
[Malignant Merkel cell tumor] Bauer T, et al. **Ugeskr Laeger** 1986 Oct 13;148(42):2669–71 (Eng. Abstr.) (Dan)
[Dysplastic nevus syndromes] Bonerandi JJ, et al. **Ann Dermatol Venereol** 1986;113(9):847–9 (Fre)
[Nevus on nevus. Apropos of 7 case reports, 3 of them associated with other dysplasias, and 1 with an invasive malignant melanoma] Brufau C, et al. **Ann Dermatol Venereol** 1986;113(5):409–18 (Eng. Abstr.) (Fre)
[Subaponeurotic lipoma of the forehead] Grosshans E, et al. **Ann Dermatol Venereol** 1987;114(3):335–40 (Eng. Abstr.) (Fre)
[Proliferative activity and storiform structure of histiocytofibromas (letter)] Grosshans E. **Ann Dermatol Venereol** 1986;113(6–7):577–8 (Fre)
[Case for diagnosis. Angiosarcoma of the head or face in the elderly] Guillaume JC, et al. **Ann Dermatol Venereol** 1987;114(2):265–7 (Fre)
[Multiple trichoepitheliomas, cylindromas and milia. An entity] Guillot B, et al. **Ann Dermatol Venereol** 1987; 114(2):175–82 (Eng. Abstr.) (Fre)
[Nevus on nevus and nevus spilus (letter)] Hidano A. **Ann Dermatol Venereol** 1986;113(9):845 (Fre)
[A case for diagnosis: Malherbe's calcifying epithelioma] Prigent F. **Ann Dermatol Venereol** 1986;113(11):1131–2 (Fre)
[Syringoma of the scalp] Pujol R, et al. **Ann Dermatol Venereol** 1986;113(8):693–5 (Fre)
[Syringoma of the scalp beneath a seborrheic wart] Sánchez Yus E, et al. **Ann Dermatol Venereol** 1987;114(5):707–8 (Fre)
[Multiple tumors of the follicular infundibulum with basocellular degeneration. Apropos of a case] Schnitzler L, et al. **Ann Dermatol Venereol** 1987;114(4):551–6 (Eng. Abstr.) (Fre)
[Multiple and recurrent Spitz melanoma. A case with a 16-year follow-up] Schnitzler L, et al. **Ann Dermatol Venereol** 1986;113(9):827–8 (Fre)
[OKT6-labelled non-X histiocytosis (generalized eruptive histiocytoma?) with intermediate vimentin filaments. Apropos of a case] Sigal-Nahum M, et al. **Ann Dermatol Venereol** 1987;114(2):211–21 (Eng. Abstr.) (Fre)
[Histopathology of cutaneous lesions] Lessana-Leibowitch M, et al. **Ann Pathol** 1986;6(4–5):297–9 (Eng. Abstr.) (Fre)
[Lymph node histopathologic aspects in cutaneous lymphomas of the mycosis fungoides or Sézary syndrome type. Retrospective study of 98 biopsies] Wechsler J, et al. **Ann Pathol** 1987;7(2):122–9 (Eng. Abstr.) (Fre)
[Meningioma of the scalp. Apropos of a case] Chappuis JP, et al. **Pediatrie** 1986 Apr-May;41(3):227–30 (Eng. Abstr.) (Fre)
[Bluish cutaneo-digestive angiomatosis or Bean's blue rubber-bleb nevus. A rare syndrome] Frappaz D, et al. **Pediatrie** 1986 Dec;41(8):629–34 (Eng. Abstr.) (Fre)
[The Maffucci syndrome. Apropos of a case] Fournié B, et al. **Phlebologie** 1987 Apr-Jun;40(2):287–93 (Eng. Abstr.) (Fre)
[Multicentric reticulohistiocytosis. A case with electron microscopy and enzyme study] Zagala A, et al. **Rev Rhum Mal Osteoartic** 1987 Feb;54(2):145–7 (Fre)
[Merkel-cell tumor associated with a spinocelluar epithelioma. Apropos a case report] Auriol M, et al. **Rev Stomatol Chir Maxillofac** 1986;87(5):276–81 (Eng. Abstr.) (Fre)
[Abrikosov tumor—a clinical surprise diagnosis] Arensmeier M, et al. **Dermatol Monatsschr** 1986;172(7):403–5 (Eng. Abstr.) (Ger)
[Basement membrane components in basalioma, cylindroma and squamous cell carcinoma] Haustein UF, et al. **Dermatol Monatsschr** 1986;172(11):648–56 (Eng. Abstr.) (Ger)
[Computer analysis of histometrically determined thickness of basal cell carcinomas] Sebastian G, et al. **Dermatol Monatsschr** 1986;172(10):589–93 (Eng. Abstr.) (Ger)
[Kaposi-like acroangiodermatitis (pseudo-Kaposi sarcoma)] Siemund J. **Dermatol Monatsschr** 1986;172(7):415–21 (Eng. Abstr.) (Ger)
[Disseminated mucocutaneous Kaposi sarcoma in AIDS. Clinical and therapeutic experiences in 13 patients] Bratzke B, et al. **Hautarzt** 1987 May;38(5):286–94 (Eng. Abstr.) (Ger)
[Highly differentiated squamous cell carcinoma of the shoulder with perineural invasion] Hoede N, et al. **Hautarzt** 1987 Feb;38(2):88–92 (Eng. Abstr.) (Ger)
[Immunohistologic differential diagnosis of skin tumors in routinely embedded paraffin sections] Kuhn A, et al. **Hautarzt** 1987 Feb;38(2):70–5 (Eng. Abstr.) (Ger)
[Generalized melanosis of macro- and microphages in metastasizing melanoma] Laissue JA, et al. **Hautarzt** 1987 Apr;38(4):232–4 (Eng. Abstr.) (Ger)
[A pseudolymphomatous reaction in tattooing] Lubach D, et al. **Hautarzt** 1986 Oct;37(10):573–5 (Eng. Abstr.) (Ger)
[Pseudolymphoma following cosmetic tattooing] Mayerhausen W, et al. **Hautarzt** 1986 Nov;37(11):622–4 (Ger)
[Immunohistochemical methods in the diagnosis and differential diagnosis of mesenchymal skin tumors] Meister P. **Hautarzt** 1986 Oct;37(10):537–46 (Eng. Abstr.) (Ger)
[Extramammary Paget's disease associated with stomach cancer] Neumann R. **Hautarzt** 1986 Oct;37(10):568–70 (Eng. Abstr.) (Ger)
[Pilar sheath acanthoma] Vakilzadeh F. **Hautarzt** 1987 Jan; 38(1):40–2 (Eng. Abstr.) (Ger)
[Adamantinoid basal cell carcinoma] Wolff HH, et al. **Hautarzt** 1987 Mar;38(3):155–9 (Eng. Abstr.) (Ger)
[Ultrastructural morphology of Kaposi sarcoma of the head and neck in acquired immunodeficiency syndrome (AIDS)] Schenk P. **Laryngol Rhinol Otol (Stuttg)** 1986 Nov; 65(11):604–11 (Eng. Abstr.) (Ger)
[Primary extramedullary tumor-forming myeloid leukemia (chloroma)—an often mistaken diagnosis] Fuchs R, et al. **Med Klin** 1987 Mar 13;82(5):210–3 (Ger)
[Kaposi sarcoma in acquired immunologic deficiency syndrome (AIDS)] Schenk P. **Med Klin** 1986 Sep 12; 81(18–19):587–91 (Eng. Abstr.) (Ger)
[Hypertrophic cardiomyopathy in a patient with von Recklinghausen neurofibromatosis] Schräder R, et al. **Med Klin** 1986 Apr 1;81(7):264–7 (Ger)
[The so-called trichoadenoma (Nikolowski)] Hey A, et al. **Pathologe** 1987 Jan;8(1):48–51 (Ger)
[Proliferating tricholemmal cysts. A possible preliminary stage of the pilar tumor of the scalp] Janitz J, et al. **Pathologe** 1987 Jul;8(4):217–20 (Ger)
[Immunohistologic markers in the diagnosis and prognosis of malignant melanomas] Suter L, et al. **Pathologe** 1987 May;8(3):163–7 (Ger)
[Description of neurocutaneous melanoblastosis] Bernstein K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):597–605 (Eng. Abstr.) (Ger)
[Melanoma precursors—risk nevi] Pehamberger H. **Wien Klin Wochenschr** 1987 Jun 26;99(13):441–5 (13 ref.) (Ger)
[Initial manifestation of a non-Hodgkin lymphoma on the external ear—a case report on the differential diagnosis of pseudolymphoma of the skin] Nischwitz AS, et al. **Z Arztl Fortbild (Jena)** 1986;80(15):635–7 (Ger)
[Transition to cutaneous squamous cell carcinoma in 2 patients with bowenoid papulomatosis] Bonnekoh B, et al. **Z Hautkr** 1987 May 15;62(10):773–6, 780–4 (Eng. Abstr.) (Ger)
[Desmoplastic syringoid eccrine cancer with basalioma] Gartmann H, et al. **Z Hautkr** 1986 Sep 1;61(17):1213–6, 1221–4 (Eng. Abstr.) (Ger)
[Macrophotographic correlates of the histology of precursor nevi and SSM in relation to the McGovern model] Haas N, et al. **Z Hautkr** 1986 Nov 1;61(21):1535–42 (Eng. Abstr.) (Ger)
[Multicenter reticulohistiocytosis—histologic photoreport] Haensch R. **Z Hautkr** 1986 Aug 1;61(15):1099–106 (Eng. Abstr.) (Ger)
[Malignant fibrous histiocytomas] Kallweit C, et al. **Z Hautkr** 1986 Sep 15;61(18):1299–302, 1307–8 (Eng. Abstr.) (Ger)
[Intertriginous basaliomas—epidemiologic, clinical and therapeutic aspects] Kaufmann R, et al. **Z Hautkr** 1987 Jun 15;62(12):961–8 (Eng. Abstr.) (Ger)
[Bilateral nevus of Ota—a case report] Kaufmann R, et al. **Z Hautkr** 1986 Aug 15;61(16):1152–8 (Eng. Abstr.) (Ger)
[Benign and malignant granular cell tumors. An immunohistochemical classification of tumor cells] Kuhn A, et al. **Z Hautkr** 1987 Jun 15;62(12):952–8 (Eng. Abstr.) (Ger)
[Neuroendocrine (Merkel cell?) carcinoma of the skin] Luderschmidt C. **Z Hautkr** 1987 Feb 15;62(4):290–302 (Eng. Abstr.) (Ger)
[Malignant melanoma of the breast] Schmidt KU, et al. **Z Hautkr** 1986 Dec 15;61(24):1778–86 (Eng. Abstr.) (Ger)
[Disseminated neuroendocrine cancers of the skin—a cutaneous merkeliomatosis. Report of 2 cases] Wätzig V,

et al. **Z Hautkr** 1987 Jul 15;62(14):1105–12 (Eng. Abstr.) **(Ger)**

[Metastasizing hemangiopericytoma] Barnbeck F, et al. **Zentralbl Chir** 1986;111(19):1194–7 **(Ger)**

[The early detection of cutaneous malignant melanoma] Klausner J, et al. **Harefuah** 1987 Mar 15;112(6):281–4 (35 ref.) **(Heb)**

[Primary leiomyosarcoma of the skin] Alessi E, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):435–8 (Eng. Abstr.) **(Ita)**

[Primary mucinous carcinoma of the skin] Aloi FG, et al. **G Ital Dermatol Venereol** 1986 Sep–Oct;121(5):337–42 (Eng. Abstr.) **(Ita)**

[Infundibular adenoma] Aloi FG, et al. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):439–42 (Eng. Abstr.) **(Ita)**

[Cutaneous melanoma at the Turin Melanoma Center. II. Risk of metastasis and free interval in relation to the clinical and histological prognostic factors in 502 patients in stage I (1975–1985)] Bernengo MG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):143–53 (Eng. Abstr.) **(Ita)**

[Heterogenicity of T-cell cutaneous lymphomas: pleomorphic lymphoma of intermediate phenotype between the thymic and post-thymic stages. Study of 2 cases] Bernengo MG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):157–66 (Eng. Abstr.) **(Ita)**

[Verrucous angioma. Apropos of 2 clinical cases] Colonna SM, et al. **G Ital Dermatol Venereol** 1987 Jun;122(6):309–12 (Eng. Abstr.) **(Ita)**

[Malignant eccrine poroma] Reali D. **G Ital Dermatol Venereol** 1986 Jul–Aug;121(4):303–7 (Eng. Abstr.) **(Ita)**

[Merkel cell tumors. Presentation of 2 cases] Botto G, et al. **Minerva Chir** 1987 Mar 31;42(6):551–3 (Eng. Abstr.) **(Ita)**

[Von Recklinghausen disease: presentation of a clinical case. Contribution to case material] Donadio F, et al. **Minerva Chir** 1987 May 15;42(9):789–91 **(Ita)**

[Early diagnosis of cutaneous melanoma and its precursors. Importance of the clinical characteristics of thin melanoma] Cristofolini M, et al. **Minerva Med** 1986 Sep 29; 77(37):1673–8 (Eng. Abstr.) **(Ita)**

[von Recklinghausen's disease associated with pheochromocytoma—an autopsy case report and review of 24 cases in the Japanese literature] Kamiya T, et al. **Gan No Rinsho** 1986 Nov;32(14):1872–8 (Eng. Abstr.) **(Jpn)**

[A case of malignant meningioma with subcutaneous infiltration of the scalp] Masuda Y, et al. **Gan No Rinsho** 1986 Nov;32(14):1849–54 (Eng. Abstr.) **(Jpn)**

[A case of malignant melanoma, axillary lymph node metastasis proved by fine needle aspiration biopsy cytology] Shinozaki N, et al. **Gan No Rinsho** 1987 Apr; 33(4):438–41 (Eng. Abstr.) **(Jpn)**

[Dermatofibrosarcoma protuberans: study of cultured histiocyte-like cells] Akiyama J, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr;97(5):555–66 **(Jpn)**

[A clinicopathological study of extramammary Paget's disease] Ansai S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Dec;96(14):1639–48 **(Jpn)**

[Ectopic meningioma—primary cutaneous meningioma] Furue M, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Jan; 97(1):23–9 **(Jpn)**

[A case of unusual hair follicle tumor—advocacy of hair matrix epitheliomas] Fuzita K, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):137–42 **(Jpn)**

[Immunohistochemical study of the localization of involucrin in squamous cell carcinoma: with special reference to its usefulness in the histological classification of severity and differential histological diagnosis] Mikami H, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Feb;97(2):157–60 **(Jpn)**

[A case of dysplastic nevi associated with nodular melanoma. II. Electron microscopic observations] Sato S, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1157–66 **(Jpn)**

[Establishment of malignant trichilemmoma cell line (TK-TL-3) in vitro and its characteristics] Tsukamoto K, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug;96(9):907–11 **(Jpn)**

[A case of dysplastic nevi associated with cutaneous malignant melanoma. I. Case report] Yanagisawa H, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1151–6 **(Jpn)**

[Computed tomography for the determination of deep layer invasion of skin tumors] Ono S, et al. **Rinsho Hoshasen** 1987 Jan;32(1):103–6 (Eng. Abstr.) **(Jpn)**

[Common ALL in childhood initially presented as superior vena cava syndrome by a superior mediastinal mass followed by generalized leukemia cutis in the terminal stage] Sugita K, et al. **Rinsho Ketsueki** 1987 Jan;28(1):70–5 (Eng. Abstr.) **(Jpn)**

[Malignant melanoma—amelanotic type] Akslen LA, et al. **Tidsskr Nor Laegeforen** 1987 Feb 10;107(4):371–2 (Eng. Abstr.) **(Nor)**

[Trabecular carcinoma of the skin (Merkel cell carcinoma)] Janczukowicz J, et al. **Patol Pol** 1986 Jan–Mar;37(1):82–7 (Eng. Abstr.) **(Pol)**

[Juvenile melanoma (Spitz nevus) in children and adolescents (6 years' data of the Laboratory of Pathomorphology at the Institute of Mother and Child] Liebhart M. **Pediatr Pol** 1986 Aug;61(8):500–5 (Eng. Abstr.) **(Pol)**

[Malignant melanoma in the pediatric data of the Laboratory of Pathomorphology at the Institute of Mother and Child] Liebhart M. **Pediatr Pol** 1986 Aug;61(8):506–10 (Eng. Abstr.) **(Pol)**

[Signs of tissue stress in pigmented nevus and malignant melanoma of the skin in children] Sawicz-Birkowska K, et al. **Pediatr Pol** 1986 Aug;61(8):524–8 **(Pol)**

[Preoperative cytologic diagnosis of malignant melanoma of the skin] Strokowska M, et al. **Pediatr Pol** 1986 Aug; 61(8):511–20 (Eng. Abstr.) **(Pol)**

[Crosti's reticulosis. Review of 15 cases] Brizido E, et al. **Med Cutan Ibero Lat Am** 1987;15(1):17–23 (Eng. Abstr.) **(Por)**

[Large cell acanthoma] de Souza Sittart JA, et al. **Med Cutan Ibero Lat Am** 1986;14(4):223–6 (Eng. Abstr.) **(Por)**

[Bowenoid basocellular carcinomas (basaliomas with cellular monstrosities] García e Silva L, et al. **Med Cutan Ibero Lat Am** 1986;14(6):387–90 (Eng. Abstr.) **(Por)**

[Malignant melanoma (review of 68 cases)] Sittart JA, et al. **Med Cutan Ibero Lat Am** 1986;14(6):391–6 (Eng. Abstr.) **(Por)**

[Cutaneous tumoral implants by pleural puncture biopsy] Freire JA, et al. **Rev Paul Med** 1985 Nov–Dec;103(6):313–4 **(Por)**

[Angiolymphoid hyperplasia with eosinophilia (Kimura disease)] Kalamkarian AA, et al. **Arkh Patol** 1987; 49(3):76–8 (Eng. Abstr.) **(Rus)**

[Neurothecoma of the skin] Klishevich BA, et al. **Arkh Patol** 1987;49(5):72–6 (Eng. Abstr.) **(Rus)**

[Prognostic significance of histologic signs in squamous cell carcinoma of the skin of the trunk and extremities] Petrovichev NN, et al. **Arkh Patol** 1987;49(1):37–41 (Eng. Abstr.) **(Rus)**

[Pathomorphology of malignant skin lymphomas] Zabanova EV, et al. **Arkh Patol** 1987;49(4):25–31 (Eng. Abstr.) **(Rus)**

[Effect of clinical signs of disease on the prognosis in melanoma of the skin in clinical stage I] Trapeznikov NN, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):104–8 (Eng. Abstr.) **(Rus)**

[Kaposi's angioreticulosis] Beliavskiĭ AI, et al. **Sov Med** 1987; (4):119–20 **(Rus)**

[A case of melanoma with localization on the sole of the foot] Kashchenko VB. **Vestn Dermatol Venerol** 1987; (2):61–3 (Eng. Abstr.) **(Rus)**

[The gastrointestinal tract in Kaposi's sarcoma (based on endoscopic study data)] Poddubnyĭ BK, et al. **Vestn Dermatol Venerol** 1987;(4):7–12 (Eng. Abstr.) **(Rus)**

[A case of unilateral Mibelli's porokeratosis with transformation into squamous cell carcinoma] Rychenkov VM, et al. **Vestn Dermatol Venerol** 1987;(2):65–6 (Eng. Abstr.) **(Rus)**

[A case of Gottron reticulosarcomatosis of the skin] Zoirov PT, et al. **Vestn Dermatol Venerol** 1986;(8):35–7 (Eng. Abstr.) **(Rus)**

[Relation between the prognosis of skin melanomas and the timing of appearance of regional metastases] Vagner RI, et al. **Vopr Onkol** 1986;32(10):21–5 (Eng. Abstr.) **(Rus)**

[Case of mycosis fungoides involving visceropathies] Provizion LN, et al. **Vrach Delo** 1987 Mar;(3):99–102 **(Rus)**

[Basocellular carcinoma of the inguinofemoral region] Karadaglić D, et al. **Vojnosanit Pregl** 1986 Jul–Aug; 43(4):316–8 **(Scr)**

[Implications of the clinico-pathological types, levels of invasion and maximum thickness of tumors] Rodríguez-Martínez HA. **Gac Med Mex** 1985 Nov–Dec; 121(11–12):321–6 **(Spa)**

[Epidermoid carcinoma or keratoacanthoma? (letter)] Estruch R, et al. **Med Clin (Barc)** 1986 Oct 11;87(11):477 **(Spa)**

[Pilomatrixoma. Pseudoampullar form and other clinical varieties] Carvajal L, et al. **Med Cutan Ibero Lat Am** 1987; 15(1):29–34 (Eng. Abstr.) **(Spa)**

[Intravascular vegetating hemangioendothelioma] Civatte J, et al. **Med Cutan Ibero Lat Am** 1986;14(6):421–4 (Eng. Abstr.) **(Spa)**

[Giant hamartomatous nevus of undescribed complexity (development of an infiltrating malignant melanoma)] Kaplan H, et al. **Med Cutan Ibero Lat Am** 1986;14(6):413–20 (Eng. Abstr.) **(Spa)**

[Axillary carcinoid papillomatosis in a linear verrucous nevus] Kaplan H, et al. **Med Cutan Ibero Lat Am** 1987; 15(1):9–16 (Eng. Abstr.) **(Spa)**

[Merkel cell carcinoma with metastasis to the bone marrow] Magaña-García M. **Med Cutan Ibero Lat Am** 1986; 14(5):319–23 (Eng. Abstr.) **(Spa)**

[B-pseudolymphoma: lymphocytoma] Torres Cortijo A, et al. **Med Cutan Ibero Lat Am** 1986;14(6):371–86 (Eng. Abstr.) **(Spa)**

[A 67-year-old male with systemic disease, skin disease and polyadenopathies (clinical conference)] **Rev Clin Esp** 1986 Nov;179(7):365–72 **(Spa)**

[Cutaneous infiltration in Hodgkin's disease (letter)] Feliu J, et al. **Rev Clin Esp** 1986 Sep;179(4):222–3 **(Spa)**

[Rare perianal neoplasms] Muñiz González J, et al. **Rev Esp Enferm Apar Dig** 1986 Nov;70(5):401–5 (Eng. Abstr.) **(Spa)**

[Malignant proliferative tricholemmal tumor: a clinical, morphologic and ultrastructural study] Domínguez Arranz M, et al. **Rev Esp Oncol** 1984;31(4):611–21 (Eng. Abstr.) **(Spa)**

[A simple method for measuring the thickness of cutaneous melanomas] Piva AE, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1985;43(2):35–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

What is the role of angiogenesis in metastasis from cutaneous melanoma? Folkman J. **Eur J Cancer Clin Oncol** 1987 Apr; 23(4):361–3 (17 ref.)

Assessment of treatment for painful cutaneous leiomyomas [letter] Archer CB, et al. **J Am Acad Dermatol** 1987 Jul; 17(1):141–2

Melatonin, thymic serum factor, and cortisol levels in healthy subjects of different age and patients with skin melanoma. Grinevich YA, et al. **J Pineal Res** 1986;3(3):263–75

Nonmelanomatous skin cancer: new concepts in pathogenesis. Richey HK, et al. **South Med J** 1987 Mar; 80(3):362–5

[Hormonal function of the thymus in malignant melanoma of the skin; the interrelation with immune system disorders] Grinevich IuA, et al. **Vopr Onkol** 1987;33(6):46–52 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The outdoor worker. The target of National Skin Cancer Awareness Week, 1986. Marks R. **Aust Fam Physician** 1986 Nov;15(11):1406

Antioxidants as antitumor promoters. Kozumbo WJ, et al. **Basic Life Sci** 1986;39:491–506

Didemnin B inhibits biological effects of tumor promoting phorbol esters on mouse skin, as well as phosphorylation of a 100 kD protein in mouse epidermis cytosol. Gschwendt M, et al. **Cancer Lett** 1987 Feb;34(2):187–91

Inhibitory effects of ursolic and oleanolic acid on skin tumor promotion by 12-O-tetradecanoylphorbol-13-acetate. Tokuda H, et al. **Cancer Lett** 1986 Dec;33(3):279–85

Phorbol diacetate inhibits superoxide anion radical production and tumor promotion by mezerein. Czerniecki B, et al. **Carcinogenesis** 1986 Oct;7(10):1637–41

Effect of ellagic acid and 3-O-decylellagic acid on the formation of benzo[a]pyrene-derived DNA adducts in vivo and on the tumorigenicity of 3-methylcholanthrene in mice. Smart RC, et al. **Carcinogenesis** 1986 Oct; 7(10):1669–75

Melanoma/skin cancer screening program in a private office setting [letter] Fixler ZC. **J Am Acad Dermatol** 1987 Mar; 16(3 Pt 1):634–5

Skin cancer screening—a local experience. Olsen TG, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):637–41

Sunscreens and their use in the preventive treatment of sunlight-induced skin damage. Pathak MA. **J Dermatol Surg Oncol** 1987 Jul;13(7):739–50 (18 ref.)

Effect of Cuscuta chinensis water extract on 7,12-dimethylbenz[a]anthracene-induced skin papillomas and carcinomas in mice. Nisa M, et al. **J Ethnopharmacol** 1986 Oct;18(1):21–31

Paler is better, say skin cancer fighters [news] Goldsmith MF. **JAMA** 1987 Feb 20;257(7):893–4

Chlorpromazine ingestion inhibits UV-induced skin carcinogenesis. Peak MJ, et al. **Photochem Photobiol** 1987 Jul;46(1):1–4

[Tanning with artificial sunlight: harmful or not? A Public Health Council report] Suurmond D. **Ned Tijdschr Geneeskd** 1987 Jan 3;131(1):5–7 (Eng. Abstr.) **(Dut)**

[Etretinate and the prevention of skin cancers] Verret JL. **Ther Umsch** 1986 Sep;43(9):699–702 (24 ref.) (Eng. Abstr.) **(Fre)**

[Chemoprevention of cancer] Fujiki H. **Gan To Kagaku Ryoho** 1986 Dec;13(12):3384–91 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Malignant melanoma: correlating abdominal and pelvic CT with clinical staging. Shirkhoda A, et al. **Radiology** 1987 Oct;165(1):75–8

[Midline subepicranial (subgaleal) dermoid cysts in children. Report of 6 cases and review of the literature] Nicolau A, et al. **Ann Radiol (Paris)** 1986;29(6):511–8 (Eng. Abstr.) **(Fre)**

[Hematogenous gastrointestinal metastases--limits of radiologic diagnosis] Krug B, et al. **Rontgenblatter** 1987 Mar;40(3):90–4 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Immunoscintigraphy with 99mTc labelled F(ab')2 fragments of an anti melanoma monoclonal antibody (225.28S) in patients with metastatic malignant melanoma. Cerny T, et al. **Eur J Nucl Med** 1987;13(3):130–3

Technetium antimony sulfur colloid scintiscan in selective lymph node dissection for malignant melanoma. Doss LL, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1280–4

The impact of intradermal lymphoscintigraphy on surgical

management of clinical stage I truncal malignant melanoma. Kramer EL, et al. **J Dermatol Surg Oncol** 1987 May;13(5):508–15

Indium–111 T101 monoclonal antibody is superior to iodine–131 T101 in imaging of cutaneous T–cell lymphoma. Carrasquillo JA, et al. **J Nucl Med** 1987 Mar;28(3):281–7

Considerations for tomographic imaging of monoclonal antibodies. Spies SM, et al. **Semin Nucl Med** 1987 Jul; 17(3):267–72

[Immunoscintigraphy with a technetium 99m–labeled monoclonal antibody in patients with melanoma] Dudczak R, et al. **Wien Klin Wochenschr** 1987 Apr 3;99(7):232–9 (Eng. Abstr.) **(Ger)**

[Significance of scintigraphy of the peritumoral lymph nodes in patients with malignant melanoma] Török L, et al. **Orv Hetil** 1987 Aug 2;128(31):1631–5 (Eng. Abstr.) **(Hun)**

RADIOTHERAPY

Radiation therapy of hemangiomas, 1909–1959. A cohort based on 50 years of clinical practice at Radiumhemmet, Stockholm. Fürst CJ, et al. **Acta Oncol** 1987 Jan–Feb; 26(1):33–6

Effects of roentgen irradiation on human melanoma metastases in the skin. Salmi R, et al. **Acta Oncol** 1987 Jan–Feb;26(1):37–40

Dual–field rotational (DFR) technique for total–skin electron–beam therapy (TSEBT). Kumar PP, et al. **Am J Clin Oncol** 1987 Aug;10(4):344–54

Kaposi's sarcoma and its management by radiotherapy. el–Akkad S, et al. **Arch Dermatol** 1986 Dec;122(12):1396–9

Radiotherapy and hyperthermia. Analysis of clinical results and identification of prognostic variables. Arcangeli G, et al. **Cancer** 1987 Sep 1;60(5):950–6

Total skin electron irradiation for mycosis fungoides: report of two cases and review of literature. Rath GK, et al. **Indian J Cancer** 1986 Sep;23(3):146–50 (13 ref.)

Radiotherapy of Kaposi's sarcoma. Hamilton CR, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):1931–5

The indications for total cutaneous electron beam radiation therapy of mycosis fungoides. Le Bourgeois JP, et al. **Int J Radiat Oncol Biol Phys** 1987 Feb;13(2):189–93

Radiation therapy for carcinoma of the pinna using iridium 192 wires: a series of 70 patients. Mazeron JJ, et al. **Int J Radiat Oncol Biol Phys** 1986 Oct;12(10):1757–63

T2–T4 carcinoma of the skin of the head and neck treated with radical irradiation. Mendenhall WM, et al. **Int J Radiat Oncol Biol Phys** 1987 Jul;13(7):975–81

Megavoltage radiotherapy using water bolus in the treatment of Kaposi's sarcoma. Weshler Z, et al. **Int J Radiat Oncol Biol Phys** 1986 Nov;12(11):2029–32

Radioimmunodetection and radioimmunotherapy of cutaneous T cell lymphomas using an 131I–labeled monoclonal antibody: an Illinois Cancer Council Study. Rosen ST, et al. **J Clin Oncol** 1987 Apr;5(4):562–73

Rotational subtotal skin electron beam therapy for management of carcinoma en cuirasse. Kumar PP, et al. **J Natl Med Assoc** 1987 Jul;79(7):705–11

Carcinoma of the nasal vestibule treated with radiation therapy. Mendenhall NP, et al. **Laryngoscope** 1987 May; 97(5):626–32

Meningioma following cranial irradiation. Hill SA. **Postgrad Med J** 1986 Aug;62(730):741–2

Malignant melanoma: analysis of dose fractionation in radiation therapy. Konefal JB, et al. **Radiology** 1987 Sep; 164(3):607–10

Dose–rate effects in the radiation response of four human tumour xenografts. Kelland LR, et al. **Radiother Oncol** 1986 Nov;7(3):259–68

Carcinoma of the lip and selected sites of head and neck skin. A clinical study of 896 patients. Petrovich Z, et al. **Radiother Oncol** 1987 Jan;8(1):11–7

Malignant schwannoma associated with von Recklinghausen's disease. Report of a case following radiation therapy. Torricelli P, et al. **Rays** 1985 Sep–Dec; 10(3):127–31

[Mycosis fungoides and radiotherapy. Value of the combination: total skin electron therapy and whole–body photon therapy] Lambert D, et al. **Ann Dermatol Venereol** 1986;113(6–7):541–7 (Eng. Abstr.) **(Fre)**

[Radiotherapy of malignant melanoma] Scherer E, et al. **Chirurg** 1986 Oct;57(10):612–8 **(Ger)**

[Blastomatous hemangiomas. Spontaneous remission and regression following soft roentgen radiotherapy] Meffert H, et al. **Dermatol Monatsschr** 1986;172(11):633–40 (Eng. Abstr.) **(Ger)**

[Electron partial– amd total–skin irradiation (Tübinger method)] Christ G. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1986; 125:240–9 **(Ger)**

[Treatment of symptomatic mucinosis follicularis in mycosis fungoides using fast electrons] Hagedorn M, et al. **Hautarzt** 1986 Dec;37(12):667–72 (Eng. Abstr.) **(Ger)**

[Radiotherapy of malignant melanoma of the skin—a renaissance?] Panizzon R. **Hautarzt** 1986 Sep;37(9):481–4 (Eng. Abstr.) **(Ger)**

[Radiotherapy of neoplasms of the facial skin] Suter L. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct;65(10):533–7 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of Kaposi's sarcoma] Reichelt S, et al. **Strahlenther Onkol** 1987 Mar;163(3):144–7 (Eng. Abstr.) **(Ger)**

[Radiation therapy in malignant melanoma using accelerated fractionation. Remission and preliminary results of local tumor control] von Rottkay P. **Strahlenther Onkol** 1987 Mar;163(3):139–43 (Eng. Abstr.) **(Ger)**

[Neodymium YAG laser therapy in dermatology] Fürnsinn G. Z **Hautkr** 1987 Feb 15;62(4):305–12 (Eng. Abstr.) **(Ger)**

[Radiotherapy of skin cancer] Kaneda K, et al. **Gan No Rinsho** 1987 Mar;Spec No:442–52 **(Jpn)**

[Studies on radiation therapy of carcinoma of the skin] Okazaki A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1986 Aug 25; 46(8):1048–56 (Eng. Abstr.) **(Jpn)**

[Proliferative activity and the efficacy of radiation therapy in melanoma and squamous–cell keratinizing cancer of the skin] Balturina NM, et al. **Med Radiol (Mosk)** 1987 Mar; 32(3):14–8 (Eng. Abstr.) **(Rus)**

SECONDARY

Bronchial mucoepidermoid carcinoma metastatic to skin. Report of a case and review of the literature. Metcalf JS, et al. **Cancer** 1986 Dec 1;58(11):2556–9

Metastatic carcinoma of the breast. An unusual presentation mimicking cutaneous vasculitis. Pickard C, et al. **Cancer** 1987 Mar 15;59(6):1184–6

Skin metastases in cancer patients. Spencer PS, et al. **Cutis** 1987 Feb;39(2):119–21

New primary malignant melanoma, epidermotropism and Indian–file arrangement of metastatic tumor cells in a case with intransit metastases of acral type of malignant melanoma. Kato T, et al. **Dermatologica** 1986;173(2):95–100

The significance of cutaneous metastasis from visceral tumors diagnosed by fine–needle aspiration biopsy. Pak HY, et al. **Diagn Cytopathol** 1987 Mar;3(1):24–9

Regional isolated limb perfusion of melanoma intransit metastases using mechlorethamine (nitrogen mustard). Shiu MH, et al. **J Clin Oncol** 1986 Dec;4(12):1819–26

Medullary carcinoma of the thyroid metastatic to the skin: report of two cases. Ordóñez NG, et al. **J Cutan Pathol** 1987 Aug;14(4):251–4

Distant skin metastases in a long–term survivor of malignant ameloblastoma. White RM, et al. **J Cutan Pathol** 1986 Oct; 13(5):383–9

Carcinoid tumour of the larynx (a case report and review of the literature). Weighill JS, et al. **J Laryngol Otol** 1986 Dec;100(12):1421–6

Metastasis to the umbilicus: possible racial difference. Onuigbo WI. **J Natl Med Assoc** 1987 Feb;79(2):193–4

Cystic cutaneous metastases from transitional cell carcinoma of the bladder. Eardley I, et al. **J R Soc Med** 1987 May; 80(5):314–5

Cutaneous seeding of hepatocellular carcinoma after fine–needle aspiration biopsy. Onodera H, et al. **J Ultrasound Med** 1987 May;6(5):273–5

Cutaneous malignant melanoma and bilateral retinoblastomas: a case report and review of the literature. Ngo RS, et al. **Pediatr Pathol** 1986;6(2–3):227–32

Cutaneous and subcutaneous metastases of lung cancer. Clinical characteristics. Dreizen S, et al. **Postgrad Med** 1986 Dec;80(8):111–6

Intratumoral doxycycline for skin metastases of human malignancies. Okuyama S, et al. **Tohoku J Exp Med** 1987 Feb;151(2):241–4

Skin metastases from transitional cell bladder cancer. Spector JI, et al. **Urology** 1987 Feb;29(2):215–7

[Angioma–like cutaneous metastasis disclosing a hepatocarcinoma] Berbis P, et al. **Ann Dermatol Venereol** 1986;113(6–7):563–7 **(Fre)**

[Stewart–Treves pseudo–syndrome caused by cutaneo–lymphatic metastases of contralateral breast carcinoma] Sigal M, et al. **Ann Dermatol Venereol** 1987; 114(5):677–83 (Eng. Abstr.) **(Fre)**

[Recombinant leukocyte A interferon in metastasized malignant melanoma] Elsässer–Beile U, et al. **Dtsch Med Wochenschr** 1987 Mar 6;112(10):373–7 (Eng. Abstr.) **(Ger)**

[Skin metastases following ultrasound–guided fine–needle puncture of pancreatic cancer (letter)] Habscheid W, et al. **Dtsch Med Wochenschr** 1987 Feb 13;112(7):283–4 **(Ger)**

[Torre–Muir syndrome. Sebaceous gland tumors indicate colon carcinoma and other internal malignant tumors] Karsten U, et al. **Dtsch Med Wochenschr** 1987 Aug 21; 112(34):1296–301 (Eng. Abstr.) **(Ger)**

[Cutaneous metastasis with an inflammatory aspect in parotid carcinoma] Aloi PG, et al. **G Ital Dermatol Venereol** 1987 Apr;122(4):193–5 (Eng. Abstr.) **(Ita)**

[Cutaneous metastasis of clear–cell renal carcinoma] Carabelli A. **G Ital Dermatol Venereol** 1986 Nov–Dec;121(6):427–9 (Eng. Abstr.) **(Ita)**

[A case of metastatic adenocarcinoma with abnormal uptake of 99mTc–methylene diphosphonate in multiple subcutaneous nodules] Azuma T, et al. **Rinsho Hoshasen** 1986 Jul;31(7):861–4 **(Jpn)**

[Metastases of breast cancer to the scalp] Machoñko T, et al. **Przegl Dermatol** 1986 Sep–Oct;73(5):413–5 (Eng. Abstr.) **(Pol)**

[Umbilical metastasis of carcinoma of the gallbladder] Viana I, et al. **Med Cutan Ibero Lat Am** 1986;14(4):215–8 (Eng. Abstr.) **(Por)**

[Multiple skin metastases in breast cancer] Arkhangel'skaia EI, et al. **Vestn Dermatol Venerol** 1986;(9):42–6 (Eng. Abstr.) **(Rus)**

[Metastases of skin melanoma from unknown primary site] Khasanov ShR, et al. **Vopr Onkol** 1987;33(3):36–9 (Eng. Abstr.) **(Rus)**

[Cutaneous metastasis of bladder cancer] Moreno E, et al. **Arch Esp Urol** 1987 May;40(4):279–80 (Eng. Abstr.) **(Spa)**

[Cutaneous metastasis in prostatic carcinoma. Apropos of 2 cases] Valdivia Uría JG, et al. **Arch Esp Urol** 1986 Nov–Dec;39(9):669–72 (Eng. Abstr.) **(Spa)**

SURGERY

CO2 laser scalpel in clinical practice. Case reports. Sekan V, et al. **Acta Chir Plast** 1987;29(1):49–58

M–plasty for large cheek defects. Modica LA, et al. **Am Fam Physician** 1987 Jan;35(1):123–4

Mohs surgery [letter] **Am J Dermatopathol** 1986 Oct; 8(5):452–6

Effect of surgical treatment on stage IV melanoma. Hess MA, et al. **Am J Surg** 1987 Mar;153(3):270–5

Groin dissection in malignant melanoma. Karakousis CP, et al. **Am J Surg** 1986 Nov;152(5):491–5

Cutaneous leiomyosarcoma: case reports and review of the literature. Chow J, et al. **Ann Plast Surg** 1987 Apr; 18(4):319–22

Giant cerebriform intradermal nevus. Hamm JC, et al. **Ann Plast Surg** 1987 Jul;19(1):84–8

Squamous cell carcinoma of the perineum: management with Mohs' surgical excision and gluteal thigh flap. Stevenson TR, et al. **Ann Plast Surg** 1987 Mar;18(3):248–51

Carbon dioxide lasers: a broader perspective [letter] Anderson RR. **Arch Dermatol** 1987 May;123(5):566–7

The case for use of the carbon dioxide laser in the treatment of port–wine stains. Ratz JL, et al. **Arch Dermatol** 1987 Jan;123(1):74–5

What are adequate treatment and follow–up care for nonmelanoma cutaneous cancer? Robinson JK. **Arch Dermatol** 1987 Mar;123(3):331–3

The incidence of bacteremia during skin surgery. Sabetta JB, et al. **Arch Dermatol** 1987 Feb;123(2):213–5

Limitations of carbon dioxide lasers for treatment of port–wine stains. van Gemert MJ, et al. **Arch Dermatol** 1987 Jan;123(1):71–3

Surgical margins for basal cell carcinoma. Wolf DJ, et al. **Arch Dermatol** 1987 Mar;123(3):340–4

Tissue expansion in the treatment of giant congenital melanocytic nevi. Maves MD, et al. **Arch Otolaryngol Head Neck Surg** 1987 Sep;113(9):987–91

Laser surgery for malignant melanoma and superficial malignancies. McCarthy WH, et al. **Aust NZ J Surg** 1978 Dec;48(6):656–61

Temporal bone resection for cancer. Millar HS. **Aust NZ J Surg** 1978 Dec;48(6):621–7

Excision of skin tumours without wound closure. Lawrence CM, et al. **Br J Dermatol** 1986 Nov;115(5):563–71

Congenital "giant" naevus: a preliminary report of a new surgical approach. Moss AL. **Br J Plast Surg** 1987 Jul; 40(4):410–9

"A square peg into a round hole": a modified rhomboid flap and its clinical application. Quaba AA, et al. **Br J Plast Surg** 1987 Mar;40(2):163–70

The significance of incomplete excision in patients with basal cell carcinoma. Richmond JD, et al. **Br J Plast Surg** 1987 Jan;40(1):63–7

Surgery for malignant melanoma: from which limb should the graft be taken? Flook D, et al. **Br J Surg** 1986 Oct; 73(10):793–5

Malignant melanoma. Russell RC. **Br J Surg** 1986 Oct; 73(10):773–4

Benign skin and soft–tissue tumors of the hand. Shenaq SM. **Clin Plast Surg** 1987 Apr;14(2):403–12 (51 ref.)

Neurofibromatosis. Spira M, et al. **Clin Plast Surg** 1987 Apr; 14(2):315–25

Cutaneous hemangiomas and lymphangiomas. Thomson H. **Clin Plast Surg** 1987 Apr;14(2):341–56 (93 ref.)

Mohs' surgery. New concepts and applications. Bennett RG. **Dermatol Clin** 1987 Apr;5(2):409–28 (45 ref.)

Metastatic basal cell carcinoma. Howat AJ, et al. **Dermatologica** 1987;174(3):132–4

Tumors involving the skin of the upper extremity. Fleegler EJ. **Hand Clin** 1987 May;3(2):197–212

Partial wound closure combined with marsupialization for repair of selected cutaneous surgical defects. Lewis JE. **Int J Dermatol** 1986 Nov;25(9):608–10

Pseudomelanoma following treatment with surgical excision and intralesional triamcinolone acetonide to prevent keloid formation. Ronnen M, et al. **Int J Dermatol** 1986 Oct; 25(8):533–4

Use of curettage and shave excision in office practice. Microscopic confirmation of removal. Cott RE, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1243–51

Cryosurgery of basal cell carcinoma. Torre D. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):917–29

The Elephant Woman. Neurofibromatosis associated with pseudarthrosis of the humerus. Floyd A, et al. **J Bone Joint Surg [Br]** 1987 Jan;69(1):121–3

Cryosurgery as alternative treatment [letter] Barth JH, et al. **J Dermatol Surg Oncol** 1986 Nov;12(11):1144

A new technique for laser treatment of cutaneous tumors. Fleming MG, et al. **J Dermatol Surg Oncol** 1986 Nov; 12(11):1170–5

Learning the basics #5: segmental cryosurgical treatment. Kuflik EG. **J Dermatol Surg Oncol** 1987 Mar;13(3):235–6

Laser therapy of bowenoid papulosis and Bowen's disease. Landthaler M, et al. **J Dermatol Surg Oncol** 1986 Dec; 12(12):1253–7

Staple and double-staple method of tissue orientation in Mohs micrographic surgery. Larson PO. **J Dermatol Surg Oncol** 1987 Jul;13(7):732–4

Where's the spot? Robins P, et al. **J Dermatol Surg Oncol** 1986 Dec;12(12):1251–2

CO2 laser treatment of cutaneous neurofibromas. Roenigk RK, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):187–90

Carbon dioxide laser vaporization and curettage in the treatment of large or multiple superficial basal cell carcinomas. Wheeland RG, et al. **J Dermatol Surg Oncol** 1987 Feb;13(2):119–25

Mohs surgeons and the ACC [letter] Wirtzer AS. **J Dermatol Surg Oncol** 1987 Feb;13(2):105–6

Multiple trichoepitheliomas treated with the carbon dioxide laser. Buecker JW, et al. **J Ky Med Assoc** 1986 Oct; 84(10):543–4

Mohs surgery in the treatment of skin cancer. Abide JM. **J Miss State Med Assoc** 1986 Dec;27(12):313–6

Merkle cell carcinoma report of a case and possible role for adjuvant radiotherapy. Brown PE, et al. **J Surg Oncol** 1987 Feb;34(2):136–41

Neodymium–YAG laser photocoagulation of hemangiomas of the head and neck. Shapshay SM, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):323–30

Therapy of inflammatory linear verrucous epidermal nevus [letter] Pierini AM, et al. **Pediatr Dermatol** 1986 Sep; 3(4):349

Surgery for Bowen's disease [letter] Field LM. **Plast Reconstr Surg** 1987 Aug;80(2):320–1

Management of cutaneous melanomas of the female breast. Greenberg BM, et al. **Plast Reconstr Surg** 1987 Sep; 80(3):409–15

Proper surgical treatment of Bowen's carcinoma [letter] Hill TG. **Plast Reconstr Surg** 1987 Jun;79(6):1008

A simple technique for improving the cosmesis of excision of a melanoma and skin grafting. Hodgson KJ, et al. **Surg Gynecol Obstet** 1986 Nov;163(5):491–2

Prognosis for localized cutaneous melanoma treated with wide excision only, with special reference to development of regional node metastases. Eldh J, et al. **Tumori** 1987 Feb 28;73(1):51–4

Comparison of results with CO2 laser and traditional surgical treatment of stage I malignant melanoma. Reali UM, et al. **Tumori** 1987 Apr 30;73(2):127–30

Progress in management of malignant melanoma. Borden EC. **Wis Med J** 1987 Apr;86(4):23–5

[Use of plastic surgery methods in treating skin tumors] Chervenkov I, et al. **Khirurgiia (Sofiia)** 1986;39(5):9–20 **(Bul)**

[Gluteal island skin–muscle flaps for covering soft-tissue defects in the sacral and ischiatic regions] Dimitrov V, et al. **Khirurgiia (Sofiia)** 1986;39(6):37–41 (Eng. Abstr.) **(Bul)**

[The changing pattern of referrals in relation to melanoma of the skin?] Rampen FH, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):997–9 (Eng. Abstr.) **(Dut)**

[Treatment of hemangiomas of the skin in children] van Essen–Zandvliet EE, et al. **Ned Tijdschr Geneeskd** 1987 Jan 31;131(5):185–7 **(Dut)**

[Melanoma of the skin; evaluation of the effect of consensus guidelines] van Everdingen JJ, et al. **Ned Tijdschr Geneeskd** 1987 Jun 6;131(23):980–1 **(Dut)**

[102 repairs of loss of substance of the scalp] Abbes M, et al. **Ann Chir Plast Esthet** 1986;31(4):348–50 (Eng. Abstr.) **(Fre)**

[Can flat angiomas be removed by argon laser? Our 6-year experience (94 cases)] Serres P. **Ann Chir Plast Esthet** 1986; 31(3):255–60 (Eng. Abstr.) **(Fre)**

[Cryosurgery of cutaneous carcinoma] Boullie MC, et al. **Ann Dermatol Venereol** 1987;114(5):761–5 **(Fre)**

[Method of histological control of the edges of surgical specimens of basal cell epitheliomas] Breuninger H, et al. **Ann Dermatol Venereol** 1987;114(4):511–4 (Eng. Abstr.) **(Fre)**

[Selective photothermolysis: contribution to the treatment of flat angiomas (port wine stains) by laser] Polla LL, et al. **Ann Dermatol Venereol** 1987;114(4):497–505 (Eng. Abstr.) **(Fre)**

[The size of excision of malignant melanomas (stage I)] Truchetet F, et al. **Ann Dermatol Venereol** 1986; 113(8):727–30 **(Fre)**

[Merkel cell tumor, a rare cancer of the skin] Hennig C, et al. **Chirurg** 1986 Nov;57(11):761–3 **(Ger)**

[Surgical therapy of malignant melanoma] Jaeger K, et al. **Chirurg** 1986 Oct;57(10):624–7 (Eng. Abstr.) **(Ger)**

[Evaluation of the oncotherapy concept in basal cell cancers of the head and neck] Glase U, et al. **Dermatol Monatsschr** 1986;172(11):641–7 (Eng. Abstr.) **(Ger)**

[Surgical treatment of angiokeratoma corporis circumscriptum naeviforme] Lehnert W, et al. **Dermatol Monatsschr** 1986;172(12):722–6 (Eng. Abstr.) **(Ger)**

[Therapy of malignant melanomas] Hundeiker M, et al. **Dtsch Med Wochenschr** 1987 Apr 3;112(14):553–5 **(Ger)**

[Split-skin coverage of skin defects. Results in a simplified method in 231 patients] Schippert W, et al. **Fortschr Med** 1987 Jun 20;105(21):404–6 (Eng. Abstr.) **(Ger)**

[Preventive lymphadenectomy in cutaneous malignant melanomas. A matched pair study] Hotz G, et al. **Hautarzt** 1986 Oct;37(10):554–9 (Eng. Abstr.) **(Ger)**

[A finger-saving operation in squamous cell carcinoma of the right thumb. A case report] Walzer LR, et al. **Hautarzt** 1987 May;38(5):298–300 (Eng. Abstr.) **(Ger)**

[Oncosurgical treatment principles in basalioma and spinocellular carcinoma of the facial skin] Draf W. **Laryngol Rhinol Otol (Stuttg)** 1986 Oct;65(10):525–32 (Eng. Abstr.) **(Ger)**

[Argon and Nd–YAG laser in the treatment of hemangiomas] Landthaler M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Feb;66(2):115 **(Ger)**

[Therapeutic experiences with the argon laser in dermatology] Eichmann A, et al. **Schweiz Rundsch Med Prax** 1987 Jul 7;76(28):806–9 (Eng. Abstr.) **(Ger)**

[Epidermal cell cultures—significance for wound coverage in the human] Bonnekoh B, et al. **Z Hautkr** 1986 Oct 15; 61(20):1433–42 (Eng. Abstr.) **(Ger)**

[Problems and planning of excision of large basaliomas] Breuninger H. **Z Hautkr** 1987 Feb 15;62(4):269–79 (Eng. Abstr.) **(Ger)**

[Argon laser therapy in dermatology] Fürnsinn G. **Z Hautkr** 1987 May 1;62(9):715–22 (Eng. Abstr.) **(Ger)**

[Malignant melanomas—guidelines for surgical therapy] Steigleder GK, et al. **Z Hautkr** 1987 Jun 15;62(12):915–6 **(Ger)**

[Effect of pulsed dye laser radiation on the capillary vessels of the skin] Strempel H, et al. **Z Hautkr** 1987 Jul 15; 62(14):1076–85 (Eng. Abstr.) **(Ger)**

[Metastasis of a melanoma in the breast] Liszka G, et al. **Zentralbl Chir** 1986;111(15):935–7 **(Ger)**

[Unusual site of a late solitary abdominal metastasis of malignant melanoma] Willgeroth C, et al. **Zentralbl Chir** 1987;112(10):647–51 **(Ger)**

[Radical treatment of skin neoplasm of the nose] Brodovsky S, et al. **Harefuah** 1986 Jul;111(1–2):29–35 (Eng. Abstr.) **(Heb)**

[Long-term results of the treatment of cutaneous angiomas] Boggio Robutti G, et al. **Minerva Chir** 1986 Nov 30; 41(22):1933–5 **(Ita)**

[Evaluation of the operative risk in dermatologic cancer surgery] Illengo M, et al. **Minerva Chir** 1987 Mar 31; 42(6):521–3 (Eng. Abstr.) **(Ita)**

[Neurofibromatosis of the skin of the head] Kułakowski A, et al. **Nowotwory** 1986 Jul–Sep;36(3):238–44 (Eng. Abstr.) **(Pol)**

[Selected clinical aspects of the treatment of malignant melanoma] Borowski M, et al. **Pediatr Pol** 1986 Sep; 61(9):576–84 (Eng. Abstr.) **(Pol)**

[Anesthesia by electroacupuncture analgesia in the laser treatment of skin neoplasms] Chubarov GV, et al. **Anesteziol Reanimatol** 1987 Mar–Apr;(2):55–6 (Eng. Abstr.) **(Rus)**

[Preventive lymphadenectomy in stage I melanoma of the skin (review of the literature)] Khasanov ShR, et al. **Khirurgiia (Mosk)** 1986 Sep;(9):133–7 (59 ref.) **(Rus)**

[Initial experience using the argon laser in the treatment of pigmented skin lesions] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1987 Apr;(4):102–4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of glomus tumors of the hand and forearm] Skripnichenko DF, et al. **Klin Khir** 1987;(5):52 **(Rus)**

[Cryodestruction of pigmented-nevi] Kozhevnikov VA. **Vestn Dermatol Venerol** 1986;(9):61–5 (Eng. Abstr.) **(Rus)**

[Cryosurgery of basal cell cancer of the facial skin] Buraki KA, et al. **Vestn Khir** 1987 Jan;138(1):122–5 **(Rus)**

[Planning of restorative operations on the skin of the scalp following the removal of malignant neoplasms] Dmitrieva VS, et al. **Vestn Khir** 1986 Jul;137(7):106–8 (Eng. Abstr.) **(Rus)**

[Local dermatoplastic procedures following the excision of basaliomas of the facial skin under ambulatory condition] Prikhod'ko SG. **Vestn Khir** 1986 Jul;137(7):120–3 (Eng. Abstr.) **(Rus)**

[Extent of the surgical intervention in regional metastases of melanomas of the head and neck] Vagner RI, et al. **Vestn Khir** 1987 Jan;138(1):43–6 (Eng. Abstr.) **(Rus)**

[Indications for preventive regional lymphadenectomy in primary melanoma of the skin of the trunk] Vagner RI, et al. **Vestn Khir** 1986 Nov;137(11):40–3 (Eng. Abstr.) **(Rus)**

[Treatment of cutaneous basaliomas of the orbital region in ambulatory conditions] Prikhod'ko SG, et al. **Vestn Oftalmol** 1987 Jan–Feb;103(1):21–5 (Eng. Abstr.) **(Rus)**

[Laser coagulation of benign skin tumors] Koshelev VN, et al. **Vopr Onkol** 1986;32(11):99–101 (Eng. Abstr.) **(Rus)**

[Cryosurgery of stage I–II basal cell skin cancer and its effect on various immunologic indices] Kozhevnikov VA, et al. **Vopr Onkol** 1987;33(3):57–61 (Eng. Abstr.) **(Rus)**

[Indications for prophylactic lymphadenectomy in skin melanoma of the lower limbs] Vagner RI, et al. **Vopr Onkol** 1986;32(12):13–8 (Eng. Abstr.) **(Rus)**

THERAPY

Adjuvant chemoimmunotherapy after regional lymphadenectomy for malignant melanoma. Abdi EA, et al. **Am J Clin Oncol** 1987 Apr;10(2):117–22

Fatal disseminated bacillus Calmette-Guerin infection and arrested growth of cutaneous malignant melanoma following intralesional immunotherapy. de la Monte SM, et al. **Am J Dermatopathol** 1986 Aug;8(4):331–5

New therapies for cutaneous T-cell lymphoma. Heald PW, et al. **Arch Dermatol** 1987 Feb;123(2):189–91

Mycosis fungoides—response to therapy and survival patterns in 85 cases. Slevin NJ, et al. **Br J Dermatol** 1987 Jan;116(1):47–53

Recombinant leukocyte A interferon (rIFN-alpha A) in the treatment of disseminated malignant melanoma. Analysis of complete and long-term responding patients. Creagan ET, et al. **Cancer** 1986 Dec 15;58(12):2576–8

Treatment of cutaneous T-cell lymphoma. Vonderheid EC, et al. **Dermatol Clin** 1985 Oct;3(4):673–87 (153 ref.)

Treatment of malignant skin tumours with oral administration of BCG in enteric-coated capsules. Ishihara K, et al. **Dev Biol Stand** 1986;58 (Pt A):465–74

Adjuvant combination immunotherapy (BCG and levamisole) in malignant melanoma. Dandapat MC, et al. **Indian J Cancer** 1985 Jun;22(2):100–7

Recombinant interferon alfa-2a, an active agent in advanced cutaneous T-cell lymphomas. Bunn PA Jr, et al. **Int J Cancer [Suppl]** 1987;1:9–13

Optimization of power deposition and the rate of heating of tissue during RF capacitive hyperthermia [letter] Reddy NM, et al. **Int J Hyperthermia** 1986 Jul–Sep;2(3):321–3

Cutaneous malignant lymphoma. Esche BA, et al. **Int J Radiat Oncol Biol Phys** 1986 Dec;12(12):2111–5

Recombinant alpha interferons 1986: a review. Lindquist DL, et al. **Iowa Med** 1987 Jan;77(1):32, 34, 36

Combined total body electron beam irradiation and chemotherapy for mycosis fungoides. Braverman IM, et al. **J Am Acad Dermatol** 1987 Jan;16(1 Pt 1):45–60

Dermatologic therapy: December 1985 to December 1986. Coskey RJ. **J Am Acad Dermatol** 1987 Jun;16(6):1219–25 (48 ref.)

Continuous infusion of T101 monoclonal antibody in chronic lymphocytic leukemia and cutaneous T-cell lymphoma. Dillman RO, et al. **J Biol Response Mod** 1986 Oct; 5(5):394–410

Cutaneous melanoma: "is it as black as it seems" Shibata HR. **J Dermatol (Tokyo)** 1986 Jun;13(3):161–9

Postoperative active specific immunotherapy with supportive measures in patients suffering from recurrent metastasized melanoma: case reports of six patients. Tallberg T, et al. **J Surg Oncol** 1986 Oct;33(2):115–9

Local recurrence of breast cancer: treatment of nine patients with a recurrence in the skin flap of the chest wall. Naruse T, et al. **Jpn J Surg** 1987 Mar;17(2):78–82

Management of local skin recurrences. Elias EG. **Md Med J** 1986 Dec;35(12):991–2

Interferon alpha in the treatment of AIDS-associated Kaposi's sarcoma. Kern P, et al. **Onkologie** 1987 Feb; 10(1):50–2

Hemangiomas in infancy and childhood. Cohen BA. **Pediatr Ann** 1987 Jan;16(1):17–26

Regression of cutaneous metastatic melanoma by intralesional injection with human monoclonal antibody to ganglioside GD2. Irie RF, et al. **Proc Natl Acad Sci USA** 1986 Nov; 83(22):8694–8

Alpha interferon treatment of low-grade B-cell non-Hodgkin's lymphomas, cutaneous T-cell lymphomas, and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Sep;13(3 Suppl 2):35–42 (43 ref.)

Alpha-interferon treatment of cutaneous T cell lymphoma and chronic lymphocytic leukemia. Foon KA, et al. **Semin Oncol** 1986 Dec;13(4 Suppl 5):35–9

Cutaneous melanoma: a review of clinical management. Balch CM. **Tex Med** 1987 Mar;83(3):70–8 (27 ref.)

Sequential treatment with interferon and chemotherapy of metastatic malignant melanoma. Total remission of cutaneous and visceral metastasis, but not of cerebral metastasis. Sulis E, et al. **Tumori** 1987 Feb 28;73(1):55–8

[Altered pattern of referral in relation to melanoma of the skin? (letter)] Sluzewski H. **Ned Tijdschr Geneeskd** 1987 Jul 25;131(30):1319–20 **(Dut)**

[Management of hygroma] Bourgeois P. **Ann Dermatol Venereol** 1986;113(9):881–2 **(Fre)**

[Therapy and prognosis of malignant melanoma of the skin] Braun-Falco O, et al. **Dtsch Med Wochenschr** 1986 Nov 14;111(46):1750–6 (Eng. Abstr.) **(Ger)**

[Alpha 2 -interferon therapy in metastasizing malignant melanoma] Landthaler M, et al. **Dtsch Med Wochenschr** 1987 Jun 5;112(23):919–21 (Eng. Abstr.) **(Ger)**

[Interferon in the treatment of malignant melanoma. Results of clinical studies] Elsässer-Beile U, et al. **Fortschr Med** 1987 Jun 20;105(21):401–3, 42 (Eng. Abstr.) **(Ger)**

[Mycosis fungoides. Results of helioclimate therapy in high mountains (Davos, 1,560)] Tippel H, et al. **Hautarzt** 1986 Aug;37(8):450–3 (Eng. Abstr.) **(Ger)**

[Langerhans cell histiocytosis in childhood—results of the DAL-HX 83 study] Gadner H, et al. **Klin Padiatr** 1987 May–Jun;199(3):173–82 (Eng. Abstr.) **(Ger)**

[Interferon alpha 2C in the treatment of 2 patients with AIDS-associated Kaposi sarcoma] Steger G, et al. **Wien Klin Wochenschr** 1987 Feb 20;99(4):120–3 (Eng. Abstr.) **(Ger)**

[Immunotherapy of malignant melanoma] Adler A. **Harefuah** 1986 Jul;111(1–2):11–7 (Eng. Abstr.) **(Heb)**

[Evaluation of rIFN-gamma in the treatment of lymphoma and melanoma of the skin by systemic and intralesional administration] Jimbow K, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):152–8 (Eng. Abstr.) **(Jpn)**

[Two cases of malignant angioendothelioma possibly succeeded in treatments] Kashima M, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Oct;96(11):1123–32 **(Jpn)**

[Cancer therapy with monoclonal antibody] Irie RF, et al. **Tanpakushitsu Kakusan Koso** 1986 Nov;31(14):1501–10 (31 ref.) **(Jpn)**

[Evaluation of prognostic factors in patients treated for skin cancer of the extremities (SCE)] Kurek S. **Nowotwory** 1986 Jul–Sep;36(3):222–30 (Eng. Abstr.) **(Pol)**

[Malignant melanoma data from a Gdansk clinic] Narożny W, et al. **Otolaryngol Pol** 1986;40(2):87–95 (Eng. Abstr.) **(Pol)**

[Radiosensitizing effect of hyperthermia on normal and tumor tissues] Kurpeshev OK, et al. **Med Radiol (Mosk)** 1987 Jul; 32(7):57–62 (Eng. Abstr.) **(Rus)**

[Combined treatment of cavernous hemangiomas in children] Geras'kin VI, et al. **Vestn Dermatol Venerol** 1987;(2):66–9 (Eng. Abstr.) **(Rus)**

[Organization of therapeutic-diagnostic services to patients with lymphoma of the skin in Leningrad and the Leningrad area] Iastrebov VV, et al. **Vestn Dermatol Venerol** 1987; (2):28–31 (Eng. Abstr.) **(Rus)**

[Cancer of the external nose] Iudov NN, et al. **Vestn Otorinolaringol** 1987 Jan–Feb;(1):44–7 (Eng. Abstr.) **(Rus)**

[Modern methods of treating skin cancer] Moskalik KG, et al. **Vopr Onkol** 1987;33(4):10–9 (67 ref.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of muscle satellite cells in hypersomatotropic rats. Campion DR, et al. **Acta Anat (Basel)** 1987; 128(1):67–70

Primary neuroendocrine carcinoma of the skin or Merkel cell carcinoma. Report of a case and review of the literature. von Kemp K, et al. **Acta Clin Belg** 1986; 41(5):350–3

Neuroendocrine (Merkel-cell) carcinoma of the skin. Cytology, intermediate filament typing and ultrastructure of tumor cells in fine needle aspirates. Domagala W, et al. **Acta Cytol (Baltimore)** 1987 May–Jun;31(3):267–75

Ultrastructural aspects of melanization of hamster Ab amelanotic melanoma in primary cell culture. Bomirski A, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):520–3

The heterogeneity of tumours associated with epidermodysplasia verruciformis. Sandbank M, et al. **Acta Derm Venereol (Stockh)** 1987;67(1):79–82

Human melanocytic naevi. II. Depth of dermal protrusion: comparative measurements of the basement membrane zone and diameters of intracellular microfibrils using a microcomputer analysis system. Lea PJ, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1986;127:17–21

Human melanocytic naevi. I. Electron microscopy and 3-dimensional computer reconstruction of naevi and basement membrane zone from ultrathin serial sections. Lea PJ, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1986; 127:5–15

Human melanocytic naevi. III. Immunofluorescence and immunoelectron microscopy of the basement membrane zone. Lea PJ, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1986;127:23–30

Neurothekeoma. Report of a case with immunohistochemical and ultrastructural studies. Henmi A, et al. **Acta Pathol Jpn** 1986 Dec;36(12):1911–9

Ultrastructural study of hemangiomas. 5. Glomus tumor (Masson). Kojimahara M, et al. **Acta Pathol Jpn** 1987 Apr; 37(4):605–9

High-grade epithelioid angiosarcoma of the scalp. An immunohistochemical and ultrastructural study. Perez-Atayde AR, et al. **Am J Dermatopathol** 1986 Oct; 8(5):411–8

The adjuvant prognostic value of nuclear morphometry in stage I malignant melanoma of the skin. A multivariate analysis. Baak JP, et al. **Anal Quant Cytol Histol** 1986 Sep; 8(3):241–4

Ultrastructural studies of interactions of B16 melanoma cells and normal mouse skin fibroblasts in the three-dimensional collagen gels in vitro. Mok CH, et al. **Anticancer Res** 1986 Sep–Oct;6(5):995–1004

Metastatic malignant mixed tumor of the skin. Ultrastructural and immunocytochemical characterization, histogenetic considerations and comparison with benign mixed tumors of skin and salivary glands. Pinto de Moraes H, et al. **Appl Pathol** 1986;4(3):199–208

Cellular neurothekeoma. Rosati LA, et al. **Appl Pathol** 1986; 4(3):186–91

Role of cytoskeleton changes and expression of the H-ras oncogene during promotion of neoplastic transformation in mouse epidermal JB6 cells. Takahashi K, et al. **Cancer Res** 1986 Nov;46(11):5923–32

Tumors of Schwann's cells and pigmented skin cells. Bruner JM. **Clin Lab Med** 1987 Mar;7(1):181–98

The histogenesis of angiosarcoma of the face and scalp: an immunohistochemical and ultrastructural study. Holden CA, et al. **Histopathology** 1987 Jan;11(1):37–51

Granular cell basal cell carcinoma. Mrak RE, et al. **J Cutan Pathol** 1987 Feb;14(1):37–42

Myofibroblasts in basal cell epithelioma: with special reference to the phagocytic function of myofibroblasts. Nagao S, et al. **J Cutan Pathol** 1986 Aug;13(4):261–7

Ultrastructural study of macromelanosomes in a unique case of spindle and epithelioid cell nevus. Sakamoto F, et al. **J Cutan Pathol** 1987 Feb;14(1):59–64

Generalized eruptive histiocytoma: an ultrastructural study. Shimizu N, et al. **J Cutan Pathol** 1987 Apr;14(2):100–5

Ultrastructural characteristics of the interdigitating dendritic cell in dermatopathic lymphadenopathy of mycosis fungoides patients. Poblete MT, et al. **J Pathol** 1987 Apr; 151(4):263–9

Ultrastructure of ultraviolet radiation-induced hairless mouse skin carcinogenesis, with special reference to the epidermal-dermal junction. Canfield PJ, et al. **Pathology** 1986 Jul;18(3):337–44

Comparative electron microscopic study of cutaneous and soft tissue angiosarcomas, post-mastectomy angiosarcoma (Stewart-Treves syndrome) and Kaposi's sarcoma. Lagacé R, et al. **Ultrastruct Pathol** 1987;11(2–3):161–73

Squamous cell carcinoma with anemone cell features. Phillips JI, et al. **Ultrastruct Pathol** 1987;11(1):47–52

Buschke–Loewenstein tumour. A histologic and ultrastructural study of six cases. Balázs M. **Virchows Arch [A]** 1986;410(2):83–92

Ultrastructural organization of nucleoli in benign naevi and malignant melanomas. Derenzini M, et al. **Virchows Arch [B]** 1986;52(4):343–52

Endothelial intracellular vacuoles in angiosarcoma of the scalp. Shimizu K, et al. **Virchows Arch [B]** 1986;52(4):291–8

[Stewart–Treves syndrome: hemangiosarcoma in chronic lymphedema. Ultrastructural analysis of various clinical developmental stages] Marsch WC. **Hautarzt** 1987 Feb; 38(2):82–7 (Eng. Abstr.) **(Ger)**

[Electron microscopy and histochemical studies of the origin and function of myoepithelioid cells in glomangioma and peripheral barrier arteries] Lüders G. **Z Hautkr** 1986 Aug 1;61(15):1083–91 (Eng. Abstr.) **(Ger)**

[Structural changes demonstrable by optic and electron microscopy in cellular and support components of nevi in the phase of neoplastic transformation and their therapeutic treatment] Fabiano G, et al. **Chir Ital** 1986 Oct; 38(5):494–501 (Eng. Abstr.) **(Ita)**

[Electron microscopic study and lipid analysis of subcutaneous dermoid cyst] Higo J, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Aug;96(9):891–6 **(Jpn)**

[Ultrastructural and cytochemical studies of benign juvenile melanomas. I: Relationship between the clinical color of tumors and the melanosome] Sakamoto F. **Nippon Hifuka Gakkai Zasshi** 1986 Jun;96(7):685–97 **(Jpn)**

[A case of calcifying epithelioma with bullous appearance—an ultrastructural observation by T.E.M. and S.E.M.] Taniguchi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1986 Jul;96(8):785–90 **(Jpn)**

[Electron microscopic analysis of basal cell cancer of the skin] Kats VA, et al. **Arkh Patol** 1986;48(8):22–8 (Eng. Abstr.) **(Rus)**

[Electron microscopic and histochemical aspects of the histogenesis and diagnosis of undifferentiated squamous cell carcinoma of the skin] Korkmazov BM. **Arkh Patol** 1986; 48(10):60–7 (Eng. Abstr.) **(Rus)**

[Cytophotometric and electron microscopic studies of chronic human skin lymphomas. II. Research on lymph node involvement] Bushmarina MS, et al. **Tsitologiia** 1987 Apr;29(4):421–5 (Eng. Abstr.) **(Rus)**

[Electron microscopy study of skin lymphoma] Prikolab IP, et al. **Vestn Dermatol Venerol** 1987;(6):9–13 (Eng. Abstr.) **(Rus)**

[Electron microscopic aspects of the histogenesis and diagnosis of undifferentiated skin cancer] Korkmazov BM. **Vopr Onkol** 1987;33(5):18–25 (Eng. Abstr.) **(Rus)**

URINE

Trichochromuria in melanosis of melanoma. Rorsman H, et al. **Acta Derm Venereol (Stockh)** 1986;66(6):468–73

VETERINARY

Multifocal intraepidermal carcinoma in a dog histologically resembling Bowen's disease. Gross TL, et al. **Am J Dermatopathol** 1986 Dec;8(6):509–15

Skin neoplasms of dogs in Sydney. Rothwell TL, et al. **Aust Vet J** 1987 Jun;64(6):161–4

Cutaneous mast cell neoplasia in cats: 14 cases (1975–1985). Buerger RG, et al. **J Am Vet Med Assoc** 1987 Jun 1; 190(11):1440–4

Generalized nodular dermatofibrosis and renal cystadenocarcinomas in a German shepherd dog. Cosenza SF, et al. **J Am Vet Med Assoc** 1986 Dec 15; 189(12):1587–90

Multicentric basal cell tumors in a cat. Fehrer SL, et al. **J Am Vet Med Assoc** 1986 Dec 1;189(11):1469–70

Congenital vascular tumours in the skin of horses. Johnstone AC. **J Comp Pathol** 1987 May;97(3):365–8

A trichoepithelioma in a wild eastern grey kangaroo (Macropus giganteus). Speare R, et al. **J Wildl Dis** 1987 Jul;23(3):508–9

Pathological studies on a case of bovine skin leukosis. Okada HM, et al. **Nippon Juigaku Zasshi** 1987 Jun;49(3):411–8

Establishment of a lymphoid cell line from tumor of bovine skin leukosis. Onuma M, et al. **Nippon Juigaku Zasshi** 1987 Feb;49(1):137–40

Port-wine nevus-like arteriovenous malformation in a rhesus monkey (Macaca mulatta). Latendresse JR, et al. **Vet Pathol** 1987 Mar;24(2):197–9

SKIN PIGMENTATION

Oxidation of dopa in the skin of black and albino mice. Carstam R, et al. **Acta Derm Venereol (Stockh)** 1986; 66(5):369–74

Acetylation phenotype and skin complexion. Rampen FH, et al. **Acta Derm Venereol (Stockh)** 1986;66(4):334–6

Pigmented dermatofibrosarcoma protuberans. Report of two cases as a variant of dermatofibrosarcoma protuberans with partial neural differentiation. Nakamura T, et al. **Am J Dermatopathol** 1987 Feb;9(1):18–25

Skin colour in the Basque population. Rebato E. **Anthropol Anz** 1987 Mar;45(1):49–55

Pigmentation of ciliary margin in Eskimos compared with Caucasians. Norn M. **Arctic Med Res** 1986;41:38–40

An association of actin isoforms with the expression of motile response in pigmentation variants induced from goldfish erythrophoroma cells. Akiyama T, et al. **Cell Differ** 1987 Apr;20(4):271–7

Cutaneous pigmentation. McGavran MH. **Clin Plast Surg** 1987 Apr;14(2):301–2

Adenosine receptors mediate pigment dispersion in leucophores of the medaka, Oryzias latipes. Oshima N, et al. **Comp Biochem Physiol [C]** 1986;85(1):245–8

Pigmentary demarcation lines during pregnancy. Vázquez M, et al. **Cutis** 1986 Oct;38(4):263–6

Pigment cell pattern formation in Taricha torosa: the role of the extracellular matrix in controlling pigment cell migration and differentiation. Tucker RP, et al. **Dev Biol** 1986 Nov;118(1):268–85

Thalamic stimulation evokes sex-color change and gamete release in a vertebrate hermaphrodite. Demski LS, et al. **Experientia** 1986 Dec 1;42(11–12):1285–7

Correlation between vitiligo antibodies and extent of depigmentation in vitiligo. Naughton GK, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):978–81

Intermittent skin mottling in elderly patients [letter] Brandt JL. **J Am Geriatr Soc** 1987 May;35(5):478

Incontinentia pigmenti: pigmentary changes independent of incontinence. Ashley JR, et al. **J Cutan Pathol** 1987 Aug; 14(4):248–50

Postsclerotherapy hyperpigmentation: a histologic evaluation. Goldman MP, et al. **J Dermatol Surg Oncol** 1987 May;13(5):547–50

Surgical treatment of livedo vasculitis. Teman J, et al. **J Dermatol Surg Oncol** 1987 Aug;13(8):893–7

Lichen nitidus with hyperpigmentation. van de Kerkhof PC. **J Dermatol (Tokyo)** 1986 Oct;13(5):399–401

Female heterogamety in the swordtail, Xiphophorus alvarezi Rosen (Pisces, Poeciliidae), with comments on a natural polymorphism affecting sword coloration. Kallman KD, et al. **J Exp Zool** 1987 Jul;243(1):93–102

Pigment cell pattern formation in amphibian embryos: a reexamination of the dopa technique. Tucker RP, et al. **J Exp Zool** 1986 Nov;240(2):173–82

Pigment change and melanocyte distribution in guinea pig skin after cutaneous freeze injury. Burge SM, et al. **J Invest Dermatol** 1987 Feb;88(2):136–40

Transfer of melanosomes in a skin equivalent model in vitro. Topol BM, et al. **J Invest Dermatol** 1986 Nov;87(5):642–7

Skin colour, MPTP, and Parkinson's disease [letter] Lerner MR, et al. **Lancet** 1987 Jul 25;2(8552):212

Influence of caponization on skin pigmentation of male broilers. Cason JA, et al. **Poult Sci** 1987 Mar;66(3):433–8

Effect of mild infections with six species of Eimeria on skin pigmentation of broiler chickens [published erratum appears in Poult Sci 1986 Dec;65(12):2376] Ogbuokiri UD, et al. **Poult Sci** 1986 Sep;65(9):1816–8

Multicentric pigmented Bowen's disease. A report of 2 cases. Schamroth JM, et al. **S Afr Med J** 1987 Apr 18;71(8):525–6

[Clinical characteristics of the pigmented macules on palms and soles exhibited past middle age] Narisawa Y. **Nippon Hifuka Gakkai Zasshi** 1987 Apr;97(5):529–36 **(Jpn)**

[Encephaloneuropathy with skin pigmentation—a case report] Satoh J, et al. **Rinsho Shinkeigaku** 1986 Sep; 26(9):915–9 (Eng. Abstr.) **(Jpn)**

[Pathomorphology of pigmentary changes in the skin and mucous membranes] Sikorowa L. **Pediatr Pol** 1986 Aug; 61(8):484–90 (Eng. Abstr.) **(Pol)**

[Spectrophotometric study of pigmentation in albinos, their parents and normal healthy persons] Seffáková A. **Bratisl Lek Listy** 1986 Oct;86(4):401–7 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Action of melanin-concentrating hormone (MCH) on teleost chromatophores. Oshima N, et al. **Gen Comp Endocrinol** 1986 Dec;64(3):381–8

Photoactivated 8-methoxypsoralen in repigmentation of tuberculoid leprosy [letter] Srinivas CR, et al. **Int J Lepr Other Mycobact Dis** 1987 Mar;55(1):159–60

Efficacy of tan accelerators. Jaworsky C, et al. **J Am Acad Dermatol** 1987 Apr;16(4):769–71

Transdermal clonidine: an association with recurrent herpes simplex and hyperpigmentation [letter] Wiser TH, et al.

J Am Acad Dermatol 1987 Jul;17(1):143–4

Minocycline–related cutaneous hyperpigmentation as demonstrated by light microscopy, electron microscopy and X–ray energy spectroscopy. Argenyi ZB, et al. **J Cutan Pathol** 1987 Jun;14(3):176–80

Depigmenting procedures and drugs employed by melanoderm populations. Scarpa A, et al. **J Ethnopharmacol** 1987 Jan–Feb;19(1):17–66 (93 ref.)

Depigmentation of black guinea pig skin by topical application of cysteaminylphenol, cysteinylphenol, and related compounds. Ito Y, et al. **J Invest Dermatol** 1987 Jan;88(1):77–82

A novel model for testing enhancers of pigmentation. Morison WL, et al. **Photodermatol** 1987 Feb;4(1):32–5

[Depigmenting chemical agents] Ortonne JP. **Ann Dermatol Venereol** 1986;113(8):733–6 **(Fre)**

[Four cases of fatal poisoning by hydrogen sulfide. A study of greenish discoloration of the skin and formation of sulfhemoglobin] Tatsuno Y, et al. **Nippon Hoigaku Zasshi** 1986 Jun;40(3):308–15 (Eng. Abstr.) **(Jpn)**

GENETICS

Relation between phenotype and banal melanocytic naevi [letter] Rampen FH, et al. **Br Med J [Clin Res]** 1987 Mar 21;294(6574):773

Pigmentary demarcation lines: a population survey. James WD, et al. **J Am Acad Dermatol** 1987 Mar;16(3 Pt 1):584–90

RADIATION EFFECTS

Pigmented spots in the wool–bearing skin on white merino sheep induced by ultraviolet light. Forrest JW, et al. **Aust J Biol Sci** 1986;39(2):125–36

UVA induced darkening of lower epidermal cells as an in vitro system of immediate pigment darkening (IPD) and mechanisms of IPD. Sawamura D, et al. **J Dermatol (Tokyo)** 1986 Apr;13(2):101–7

Immediate pigment darkening phenomenon. A reevaluation of its mechanisms. Hönigsmann H, et al. **J Invest Dermatol** 1986 Nov;87(5):648–52

Phenotypic characters related to skin type and minimal erythemal dose. Andreassi L, et al. **Photodermatol** 1987 Feb;4(1):43–6

SKIN SYPHILIS see SYPHILIS, CUTANEOUS

SKIN TEMPERATURE

Detection of nocturnal hypoglycemia in insulin–treated diabetics by a skin temperature—skin conductance meter. Johansen K, et al. **Acta Med Scand** 1986;220(3):213–7

Trunk skin temperature after sympathetic nerve block—is the heat really on? [letter] Peters J. **Anesthesiology** 1987 Mar;66(3):444–7

Comparability of skin temperatures from three sites on the hand. Duckro PN, et al. **Biofeedback Self Regul** 1986 Dec; 11(4):293–8

On–line multiple temperature recording for the Autogen 2000b and Apple II. Hoare JW, et al. **Biofeedback Self Regul** 1986 Sep;11(3):247–9

An experimental study of the physiological effects of chain saw operation. Miyakita T, et al. **Br J Ind Med** 1987 Jan; 44(1):41–6

The effect of face fanning during recovery from exercise hyperthermia. Germain M, et al. **Can J Physiol Pharmacol** 1987 Jan;65(1):87–91

No dynamic effector responses to fast changes of core temperature at constant skin temperature. Roos U, et al. **Can J Physiol Pharmacol** 1987 Jun;65(6):1339–46

Danger of using core/peripheral temperature gradient as a guide to therapy in shock. Woods I, et al. **Crit Care Med** 1987 Sep;15(9):850–2

A thermographic study of the effect of body composition and ambient temperature on the accuracy of mean skin temperature calculations. Livingston SD, et al. **Eur J Appl Physiol** 1987;56(1):120–5

Body temperature set–point and the conscious perception of skin temperature in obese women. Zahorska–Markiewicz B, et al. **Eur J Appl Physiol** 1987;56(4):479–81

Posterior cervical–thoracic thermograms: pattern persistence and correlation with chronic headache syndromes. Swerdlow B, et al. **Headache** 1987 Jan;27(1):10–5

Effect of exposure to hand–transmitted vibration on digital skin temperature change. Kondo T, et al. **Ind Health** 1987; 25(2):41–53

The assessment of Raynaud's phenomenon using a radiation thermometer and a mild cold (20 degrees C) stress test. Bull ML, et al. **Int Angiol** 1986 Oct–Dec;5(4):237–42

Somatic manifestations in renal disease: a clinical research study. Johnston WL, et al. **J Am Osteopath Assoc** 1987 Jan;87(1):61–74

Thermal biofeedback in the treatment of symptoms associated with reflex sympathetic dystrophy. Barowsky EI, et al. **J Child Neurol** 1987 Jul;2(3):229–32

Blood flow, temperature, and heat loss of skin exposed to local radiative and convective cooling. Nilsson AL. **J Invest Dermatol** 1987 May;88(5):586–93

The effects of chiropractic adjustments on distal skin temperature. Harris W, et al. **J Manipulative Physiol Ther** 1987 Apr;10(2):57–60

Effects of fluctuating skin temperature on thermoregulatory responses in man. Keatinge WR, et al. **J Physiol (Lond)** 1986 Sep;378:241–52

Abdominal wall hot spots in pregnant women. Goodlin RC, et al. **J Reprod Med** 1987 Mar;32(3):177–80

Use of dew–point temperature sensors for intermittent measurements of sweat production and evaporation rates. Green JH. **J Sports Med Phys Fitness** 1987 Mar;27(1):11–6

Infrared thermometry [letter] Mendelson G. **Med J Aust** 1986 Oct 6;145(7):361

Magnetic–field–induced skin–temperature changes of animals originate from modified air convection. Ecochard J, et al. **Naturwissenschaften** 1987 Jan;74(1):39–40

Alteration of the discharge pattern of rat diencephalic neurones with scrotal skin temperature. Taylor DC, et al. **Neurosci Lett** 1986 Dec 3;72(1):59–63

The ventral septal area: electrophysiological evidence for putative arginine vasopressin projections onto thermoresponsive neurons. Disturnal JE, et al. **Neuroscience** 1986 Nov;19(3):795–802

Optimal thermal management for low birth weight infants nursed under high–powered radiant warmers. Malin SW, et al. **Pediatrics** 1987 Jan;79(1):47–54

Biofeedback–assisted control of peripheral skin temperature: a methodological study. Barrett HR, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 1):631–8

Effect of localized changes in scrotal and trunk skin temperature on the demand for radiant heat by pigs. Swiergiel AH, et al. **Physiol Behav** 1987;40(4):523–6

Circatrigintan hormonal and skin surface temperature rhythms following hysterectomy. Cornélissen G, et al. **Prog Clin Biol Res** 1987;227A:493–505

Daily spot–checking versus chronobiologic monitoring of human differential surface (rib versus breast) temperature. Weydahl A, et al. **Prog Clin Biol Res** 1987;227A:483–91

An empirical account of temperature biofeedback applied in groups. Lashley JK, et al. **Psychol Rep** 1987 Apr; 60(2):379–88

Usefulness of fingertip skin temperature for examining peripheral circulatory disturbances of vibrating tool operators. Kurumatani N, et al. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):245–8

Physiological response of the rat to different vibration frequencies. Okada A. **Scand J Work Environ Health** 1986 Aug;12(4 Spec No):362–4

[Relationship of hand temperature and blood beta–endorphin–like immunoreactive substance with electroacupuncture induction of ovulation] Yu J, et al. **Chen Tzu Yen Chiu** 1986;11(2):86–90 (Eng. Abstr.) **(Chi)**

[Observations on electro–acupuncture induced ovulation and changes in the skin temperature of the hand] Yu J, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1986 Dec;6(12):720–2, 707–8 (Eng. Abstr.) **(Chi)**

[Temperature changes in the mouth and pharyngeal mucosa during alternating cold and warm footbaths] Pöllmann L. **Klin Wochenschr** 1987 Mar 16;65(6):281–6 (Eng. Abstr.) **(Ger)**

[A thermographic studies on the relationships between the nasal skin temperature and nasal airway resistance] Ishizaki F. **Nippon Jibiinkoka Gakkai Kaiho** 1987 Apr;90(4):547–54 (Eng. Abstr.) **(Jpn)**

[Characteristics of the temperature distribution on the surface of the body in healthy subjects] Popovichenko NV, et al. **Fiziol Zh** 1987 Mar–Apr;33(2):15–8 (Eng. Abstr.) **(Rus)**

[Use of the rectal–skin temperature gradient for the rapid evaluation of the severity and prediction of the outcomes in critical states] Nazarenko GI. **Vestn Khir** 1986 Oct; 137(10):120–2 (Eng. Abstr.) **(Rus)**

[Contact thermometry in examining patients with viral hepatitis A and acute intestinal infections] Bolko IN, et al. **Vrach Delo** 1987 Jul;(7):98–100 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of chronic estrogen on the skin temperature response to naloxone in morphine–dependent rats. Katovich MJ, et al. **Can J Physiol Pharmacol** 1987 Apr;65(4):563–7

Comparative evaluation of morphine, pentazocine and ciramadol in postaddicts. Preston KL, et al. **J Pharmacol Exp Ther** 1987 Mar;240(3):900–10

Altered tail–skin temperature responsiveness in streptozotocin–induced diabetic rats. Katovich MJ, et al. **Life Sci** 1987 Sep 21;41(12):1529–37

[Thermographic reaction following partial conduction block of the mental nerve] Bremerich A, et al. **Fortschr Kiefer Gesichtschir** 1987;32:187–90 **(Ger)**

SKIN TESTS

Predictive value of skin testing, neutrophil migration and C–reactive protein for postoperative infections in cardiopulmonary bypass patients. Kress HG, et al. **Acta Anaesthesiol Scand** 1987 Jul;31(5):397–404

Status of patch and other skin tests in diagnosis of systemic penicillin allergy. Patriarca G, et al. **Allergol Immunopathol (Madr)** 1987 Jan–Feb;15(1):1–5

Proposed guidelines for quantitative skin prick test procedure to determine the biological activity of allergenic extracts using parallel line assay. Malling HJ. **Allergy** 1987 Jul; 42(5):391–4

Pulmonary function and intradermal tests in workers exposed to soft–paper dust. Heederik D, et al. **Am J Ind Med** 1987; 11(6):637–45

Delayed hypersensitivity responses of cancer patients to recall antigens using a new "Multitest" applicator [letter] Lapham SC, et al. **Ann Allergy** 1987 Jan;58(1):85

Skin test for diagnosis of penicillin allergy—current status. Ressler C, et al. **Ann Allergy** 1987 Sep;59(3):167–70 (25 ref.)

Lack of interference in skin tests by endotoxin in allergen extracts. Smith TF, et al. **Ann Allergy** 1986 Dec;57(6):410–2

Failure of hypnotic suggestion to alter immune response to delayed–type hypersensitivity antigens. Locke SE, et al. **Ann NY Acad Sci** 1987;496:745–9

The American Academy of Dermatology patch test tray. The work in progress of a study section. Jordan WP Jr. **Arch Dermatol** 1986 Oct;122(10):1127–8

Prick tests in the diagnosis of anaphylaxis to general anaesthetics. Leynadier F, et al. **Br J Anaesth** 1987 Jun; 59(6):683–9

The effect of topical dimethindene maleate on weal reactions. Humphreys F, et al. **Br J Clin Pharmacol** 1987 Feb; 23(2):234–6

Preservatives in the European standard series for epicutaneous testing. de Groot AC, et al. **Br J Dermatol** 1987 Mar;116(3):289–92

Granulomatous cheilitis and a positive Kveim test. Shehade SA, et al. **Br J Dermatol** 1986 Nov;115(5):619–22

An investigation of the angry back syndrome using Trafuril. Sonnex TS, et al. **Br J Dermatol** 1987 Mar;116(3):361–70

Allergy skin–test reactions and chronic airflow obstruction in children [letter] Corbo GM, et al. **Chest** 1987 Jun; 91(6):936

Topical dermal anaesthesia inhibits the flare but not the weal response to allergen and histamine in the skin–prick test. Pipkorn U, et al. **Clin Allergy** 1987 Jul;17(4):307–11

Role of serodiagnostic tests and skin tests in the diagnosis of fungal disease. Davies SF, et al. **Clin Chest Med** 1987 Mar;8(1):135–46

A comparison of leukocyte aggregation, leukocyte migration and skin reactivity to recall antigens in patients with AIDS. Rouveix B, et al. **Clin Exp Immunol** 1986 Dec;66(3):574–81

Prevention of chymopapain anaphylaxis by screening chemonucleolysis candidates with cutaneous chymopapain testing. A preliminary report. Grammer LC, et al. **Clin Orthop** 1987 Aug;(221):202–6

High–frequency ultrasound measurement of patch test reactions. Brazier S, et al. **Contact Dermatitis** 1986 Oct; 15(4):199–201

Epicutaneous patch test with the preservative Kathon CG [published erratum appears in 1987 Mar;16(3):182] Husz S, et al. **Contact Dermatitis** 1986 Oct;15(4):245

Do positive nickel reactions increase nonspecific patch test reactivity? Lammintausta K, et al. **Contact Dermatitis** 1987 Mar;16(3):160–3

Skin reflectance measurements of patch test responses. Mendelow AY, et al. **Contact Dermatitis** 1986 Aug; 15(2):73–8

Patch testing with semisynthetic penicillins. Møller NE, et al. **Contact Dermatitis** 1987 Apr;16(4):227–8

Lymphocytes and Langerhans cells in allergic patch tests. Kanerva L, et al. **Derm Beruf Umwelt** 1987 Jan–Feb; 35(1):17–9

Evaluation of patients with local reactions to insulin with skin tests and in vitro techniques. deShazo RD, et al. **Diabetes Care** 1987 May–Jun;10(3):330–6

Skin testing and respiratory allergic disorders [editorial] Agarwal MK. **Indian J Chest Dis Allied Sci** 1986 Oct–Dec; 28(4):179–82

An analysis of skin prick test reactions in asthmatic children in Bombay. Pherwani AV, et al. **Indian J Chest Dis Allied Sci** 1985 Oct–Dec;27(4):219–24

Skin test and RAST in children allergic to common allergens. Roy S, et al. **Indian J Pediatr** 1987 May–Jun;54(3):437–40

Suitable bases for patch testing in tropical countries. Bajaj AK, et al. **Int J Dermatol** 1986 Jul–Aug;25(6):379–80

A double–blind evaluation of skin test suppression produced by two doses of terfenadine. Bantz EW, et al. **J Allergy Clin Immunol** 1987 Jul;80(1):99–103

Longitudinal changes in allergen skin test reactivity in a community population sample. Barbee RA, et al. **J Allergy Clin Immunol** 1987 Jan;79(1):16–24

Inhibitory effects of clonidine on the allergen–induced wheal–and–flare reactions in patients with extrinsic asthma. Lindgren BR, et al. **J Allergy Clin Immunol** 1987 Jun; 79(6):941–6

Positive skin tests and Prausnitz–Küstner reactions in metabisulfite–sensitive subjects [published erratum appears in J Allergy Clin Immunol 1987 Jan;79(1):15] Yang WH, et al. **J Allergy Clin Immunol** 1986 Sep;78(3 Pt 1):443–9

Epidermis and lymphocyte interactions during a tuberculin skin reaction. II. Epidermis contains specific lymphocyte chemotactic factors. Ternowitz T, et al. **J Invest Dermatol** 1986 Nov;87(5):613–6

Local Shwartzman activity of lipopolysaccharides from several selected strains of suspected periodontopathic bacteria. Koga T, et al. **J Periodont Res** 1987 Mar; 22(2):103–7

Application of thermography to the evaluation of the histamine skin test in man. Uematsu T, et al. **J Pharmacol Methods** 1987 Sep;18(2):103–10

Dinitrochlorobenzene contact sensitization in patients with pulmonary tuberculosis. Sharma TN, et al. **J Postgrad Med** 1986 Apr;32(2):77–81

The effects of chlorpheniramine and antiallergic drugs on

Ascaris suum antigen–induced active cutaneous anaphylaxis in dogs. Misawa M, et al. **Jpn J Pharmacol** 1987 May;44(1):101–4

Prevalence of positive epicutaneous tests among infants, children, and adolescents. Weston WL, et al. **Pediatrics** 1986 Dec;78(6):1070–4

Allergic skin reactions in the horse: response to intradermal challenge with fractionated Culicoides. Morrow AN, et al. **Zentralbl Veterinarmed [B]** 1986 Sep;33(7):508–17

[Value of the light–test histological study in photodermatoses] Bonvalet D, et al. **Ann Dermatol Venereol** 1986;113(12):1205–12 (Eng. Abstr.) **(Fre)**

[The value of prick tests in the detection of anaphylaxis caused by muscle relaxants] Moneret–Vautrin DA, et al. **Ann Fr Anesth Reanim** 1987;6(4):352–5 (Eng. Abstr.) **(Fre)**

[Preparation and use of standardized allergenic extracts] Guérin B. **Rev Med Suisse Romande** 1987 Apr;107(4):331–4 **(Fre)**

[Results of a 1st series of skin tests for contact eczema] Sfar Z, et al. **Tunis Med** 1986 Jun–Jul;64(6–7):599–601 (Eng. Abstr.) **(Fre)**

[Epicutaneous testing with plant protective and pest control agents (pesticides)] Jung HD, et al. **Derm Beruf Umwelt** 1987 Mar–Apr;35(2):43–51 (Eng. Abstr.) **(Ger)**

[Metal allergies. Results of patch tests from 1981 to 1984] Rammelsberg P, et al. **Derm Beruf Umwelt** 1986 Nov–Dec; 34(6):160–2 (Eng. Abstr.) **(Ger)**

[Results and 10 years' experience using an animal experiment assessment test and recommendations for its modification. 2. Recommendations for modification] Ziegler V, et al. **Dermatol Monatsschr** 1987;173(1):20–3 (Eng. Abstr.) **(Ger)**

[Results and 10 years' experience using an animal experiment assessment test and recommendations for its modification. 1. Results and experiences] Ziegler V, et al. **Dermatol Monatsschr** 1987;173(1):12–9 (Eng. Abstr.) **(Ger)**

[A comparative intradermal test using intestinal extracts and serum of pigeons, chickens and budgerigars in patients with exogenous allergic alveolitis and in control persons] Müller S, et al. **Z Erkr Atmungsorgane** 1987;168(2):142–8 (Eng. Abstr.) **(Ger)**

[Glossodynia—indication for patch testing?] Bäurle G, et al. **Z Hautkr** 1986 Aug 15;61(16):1175–84 (Eng. Abstr.) **(Ger)**

[Reactivity of conventional and immunologically standardized allergen extracts in the prick test] Biltz H, et al. **Z Hautkr** 1987 Jun 1;62(11):901–3 (Eng. Abstr.) **(Ger)**

[Results of skin tests with pollen extracts of fruit trees in patients with pollen allergy] Döring HF, et al. **Z Hautkr** 1987 Feb 1;62(3):189–95 (Eng. Abstr.) **(Ger)**

[Value of the intracutaneous skin test in analgesic intolerance in comparison with oral provocation] Paul E, et al. **Z Hautkr** 1987 May 1;62(9):705–14 (Eng. Abstr.) **(Ger)**

[Immunotherapy of terminal–stage malignant tumors with the immunopotentiator OK–432—a comparison between SU–PS test–responder and –nonresponder patients] Yagi Y, et al. **Gan No Rinsho** 1987 Jun;33(7):815–21 (Eng. Abstr.) **(Jpn)**

[The Su–polysaccharide skin test in lung cancer] Harada J, et al. **Gan To Kagaku Ryoho** 1987 Sep;14(9):2697–702 (Eng. Abstr.) **(Jpn)**

[Role of immune skin reactions in progressive lung cancer during the administration of OK–432—relation to reactions to DNCB, PPD and Su–PS] Katada H, et al. **Gan To Kagaku Ryoho** 1987 Jan;14(1):61–70 (Eng. Abstr.) **(Jpn)**

[Clinical significance of a skin test (SU–PS) for immune responses in patients with gastrointestinal cancer treated with OK–432] Miyamoto Y, et al. **Gan To Kagaku Ryoho** 1986 Oct;13(11):3229–35 (Eng. Abstr.) **(Jpn)**

[A study of the skin test of an extract of the tick for scabies] Sanda T, et al. **Nippon Hifuka Gakkai Zasshi** 1987 Apr; 97(5):587–90 **(Jpn)**

[Positive reactions to patch tests with neomycin and aminoglycosides] Hata M. **Nippon Ika Daigaku Zasshi** 1987 Apr;54(2):141–52 (Eng. Abstr.) **(Jpn)**

[Skin cellular reaction in the clinical picture of pyelonephritis in children] Bozhenov IuA. **Lab Delo** 1987;(1):35–8 (Eng. Abstr.) **(Rus)**

[Use of skin tests to determine immediate hypersensitivity to lidocaine (xylocaine)] Cavazos Galván M. **Alergia** 1986 Jul–Sep;33(3):65–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Development of dermal hypersensitivity to coccidioidal antigens associated with repeated skin testing. Galgiani JN. **Am Rev Respir Dis** 1986 Nov;134(5):1045–7

INSTRUMENTATION

The "edge effect" with patch test materials.Fyad A, et al. **Contact Dermatitis** 1987 Mar;16(3):147–51

PA Patch—a new patch testing device. Preliminary report. Marks JG Jr, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):961–3

METHODS

Dose response relationship of allergen, histamine, and histamine releasers in skin prick test and precision of the skin prick test method. Dreborg S, et al. **Allergy** 1987 Feb; 42(2):117–25

Results of biological standardization with standardized allergen preparations. Dreborg S, et al. **Allergy** 1987 Feb; 42(2):109–16

Quantitative skin prick testing. Dose–response of histamine– and allergen–induced wheal reactions. Malling HJ. **Allergy** 1987 Apr;42(3):196–204

Comparison of cutaneous and in vitro histamine release by muscle relaxants. North FC, et al. **Anesthesiology** 1987 Apr; 66(4):543–6

The precision of intracutaneous skin test with timothy pollen allergen preparation using two different techniques. Dreborg S, et al. **Ann Allergy** 1987 Jan;58(1):33–5

The Kveim–Siltzbach test. Teirstein AS. **Clin Dermatol** 1986 Oct–Dec;4(4):154–64 (57 ref.)

A new method for intraoral patch testing. Axéll T, et al. **Contact Dermatitis** 1986 Aug;15(2):58–62

Patch testing with colophony at 60% concentration. Bruze M, et al. **Contact Dermatitis** 1986 Sep;15(3):193

Open, closed and intradermal testing in nickel allergy. Christensen OB, et al. **Contact Dermatitis** 1987 Jan; 16(1):21–6

The influence of temperature on the concentration homogeneity of patch test materials. Goh CL, et al. **Contact Dermatitis** 1986 Oct;15(4):231–4

Quantification of patch test reactions by transcutaneous PO2 measurement. Prens EP, et al. **Contact Dermatitis** 1987 Mar; 16(3):142–6

Rinkel versus SET [letter] Weisskopf A. **Ear Nose Throat J** 1987 Mar;66(3):119

Allergy to local anesthetics: comparison of patch test with prick and intradermal test results. Ruzicka T, et al. **J Am Acad Dermatol** 1987 Jun;16(6):1202–8

Antigen specific stimulation of immune responses during long–term repeated skin testing with multiple antigens. Lesourd BM, et al. **J Clin Lab Immunol** 1986 Sep; 21(1):17–22

Ethanol patch test for low Km aldehyde dehydrogenase deficiency [letter] Higuchi S, et al. **Lancet** 1987 Mar 14; 1(8533):629

IgG levels after treatment with antigen vials based on the scratch testing, intradermal testing, modified RAST testing. Treviño RJ. **Otolaryngol Head Neck Surg** 1986 Oct;95(3 Pt 1):307–11

Testing for contact allergy in experimental animals. Andersen KE. **Pharmacol Toxicol** 1987 Jul;61(1):1–8

The diagnostic value of intradermal tests with penicilloyl–dextran and aspiryl–polylysine. Cîrstea M, et al. **Physiologie** 1986 Oct–Dec;23(4):237–43

Atypical mycobacteria causing pulmonary disease: rapid diagnosis using skin test profiles. Vandiviere HM, et al. **South Med J** 1987 Jan;80(1):5–9

Antigen preparation for the patch test. Fischer T, et al. **State Art Rev Occup Med** 1986 Apr–Jun;1(2):343–8 (34 ref.)

Guinea pig allergy tests: an overview. Andersen KE, et al. **Toxicol Ind Health** 1985 Nov;1(3):43–66 (110 ref.)

[Reproducibility of intradermal tests after anaphylaxis caused by muscle relaxants] Leynadier F, et al. **Presse Med** 1987 Mar 28;16(11):523–5 (Eng. Abstr.) **(Fre)**

[Epicutaneous testing for assessing contact allergy using a transdermal system based on acrylates] Pambor M, et al. **Dermatol Monatsschr** 1987;173(1):40–3 (Eng. Abstr.) **(Ger)**

[Evaluation of the delayed hypersensitivity response by the Multitest–IMC. Multicenter study for the definition of reference values in a sample population] Dionigi R, et al. **Minerva Med** 1987 Jun 15;78(11):721–31 (Eng. Abstr.) **(Ita)**

[The allergen–renographic provocation test as a diagnostic method in latent chronic pyelonephritis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1987 Mar–Apr;(2):15–9 (Eng. Abstr.) **(Rus)**

MORTALITY

Fatalities from immunotherapy (IT) and skin testing (ST). Lockey RF, et al. **J Allergy Clin Immunol** 1987 Apr; 79(4):660–77

SKIN TUBERCULOSIS see **TUBERCULOSIS, CUTANEOUS**

SKIN ULCER

Pyoderma gangrenosum. Walling AD, et al. **Am Fam Physician** 1987 Jan;35(1):159–64

CHEMICALLY INDUCED

Dose–dependent skin ulcers in mice treated with DNA binding antitumor antibiotics. Soble MJ, et al. **Cancer Chemother Pharmacol** 1987;20(1):33–6

Experimental dacarbazine antitumor activity and skin toxicity in relation to light exposure and pharmacologic antidotes. Dorr RT, et al. **Cancer Treat Rep** 1987 Mar;71(3):267–72

Unusual skin reaction to echinomycin [letter] Garrison J, et al. **Cancer Treat Rep** 1987 Apr;71(4):433–4

Etiology and treatment of chemotherapeutic agent extravasation injuries: a review. Rudolph R, et al. **J Clin Oncol** 1987 Jul;5(7):1116–26 (49 ref.)

[Surgical treatment of cutaneous ulcerations related to anticancer chemotherapy] Schuind F, et al. **Ann Chir Main** 1987;6(1):38–42 (Eng. Abstr.) **(Fre)**

[Cutaneous necrosis caused by extravasation of barbiturates (letter)] Unzueta MC, et al. **Rev Esp Anestesiol Reanim** 1986 Nov–Dec;33(6):459–60 **(Spa)**

COMPLICATIONS

Bacteremia in diabetic patients with infected lower extremities. Sapico FL, et al. **Diabetes Care** 1982 Mar–Apr; 5(2):101–4

Squamous cell carcinoma in trophic ulcer cases. Arora SK, et al. **Indian J Lepr** 1987 Jan–Mar;59(1):100–2

Ulcerative and hypopigmented sarcoidosis. Mitchell IC, et al. **J Am Acad Dermatol** 1986 Nov;15(5 Pt 1):1062–5

Eikenella corrodens as a cause of osteomyelitis in the feet of diabetic patients. Report of three cases. Konugres GS, et al. **J Bone Joint Surg [Am]** 1987 Jul;69(6):940–1

DIAGNOSIS

The value of laser Doppler velocimetry and transcutaneous oxygen tension determination in predicting healing of ischemic forefoot ulcerations and amputations in diabetic and nondiabetic patients. Karanfilian RG, et al. **J Vasc Surg** 1986 Nov;4(5):511–6

[Clinical aspects of ulcero–mutilating acropathy] Reich P, et al. **Dermatol Monatsschr** 1987;173(3):135–40 (Eng. Abstr.) **(Ger)**

[Pyoderma gangrenosum] Beck–Nafz A, et al. **Z Hautkr** 1987 Feb 1;62(3):177–9 **(Ger)**

[A case of ulcerative colitis with pyoderma gangrenosum] Sugie M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1986 Oct; 83(10):2227–31 **(Jpn)**

DRUG THERAPY

Pyoderma gangrenosum associated with ulcerative colitis: treatment with disodium cromoglycate. Cave DR, et al. **Am J Gastroenterol** 1987 Aug;82(8):802–4

Treatment of complications of peripheral obstructive arterial disease with prostaglandin E1. Killion DD, et al. **Angiology** 1987 Jul;38(7):507–13

Choice of antibiotics in diabetic foot ulcers [letter] Rosen H. **Arch Intern Med** 1987 Mar;147(3):615

Failure of oral ketoconazole to cure cutaneous ulcers caused by Leishmania braziliensis. Dan M, et al. **Cutis** 1986 Sep; 38(3):198–9

Malignant pyoderma. Novice FM, et al. **Int J Dermatol** 1987 Jan–Feb;26(1):42–4

Oral methotrexate therapy for chronic rheumatoid arthritis ulcerations. Espinoza LR, et al. **J Am Acad Dermatol** 1986 Sep;15(3):508–12

Treatment of cutaneous myiasis of lower extremity ulcerations with ethyl chloride. Ford T, et al. **J Am Podiatr Med Assoc** 1986 Dec;76(12):690–2

Local treatment of ulcers in diabetic foot with human growth hormone [letter] Waagø H. **Lancet** 1987 Jun 27; 1(8548):1485

The management of purulent penile ulcers in Singapore. Thirumoorthy T, et al. **Singapore Med J** 1986 Aug; 27(4):329–32

Turmeric and curcumin as topical agents in cancer therapy. Kuttan R, et al. **Tumori** 1987 Feb 28;73(1):29–31

[Treatment of granulating wounds with a combination of silver salts and quaternary ammonium sprays] Bossotti M, et al. **Minerva Chir** 1986 Jul 31;41(13–14):1211–4 (Eng. Abstr.) **(Ita)**

[Plasma heparin precipitate as a source of fibronectin in the treatment of patients with trophic skin lesions] Vasil'ev SA, et al. **Ter Arkh** 1987;59(6):127–30 (Eng. Abstr.) **(Rus)**

[Therapy of ulcerous forms of chronic pyoderma] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1987; (6):4–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pyoderma gangrenosum with myelofibrosis. Kanel KT, et al. **Am J Med** 1987 May;82(5):1031–4

Bilateral ulcers in a patient with a hereditary bullous dermatosis. Squamous cell carcinoma (SCC) arising in recessive dystrophic bullous dermatosis. Callen JP, et al. **Arch Dermatol** 1987 Jun;123(6):812–3, 815–6

Sarcoidosis with extensive cutaneous ulceration. Unusual clinical presentation. Gupta AK, et al. **Dermatologica** 1987; 174(3):135–9

The distribution of diabetic neuropathy in a British clinic population. Newrick PG, et al. **Diabetes Res Clin Pract** 1986 Sep–Oct;2(5):263–8

Autonomic neuropathy and diabetic foot ulceration. Edmonds ME, et al. **Diabetic Med** 1986 Jan;3(1):56–9

The association of pyoderma gangrenosum with ulcerative colitis in Japan. Funakoshi N, et al. **Gastroenterol Jpn** 1986 Dec;21(6):630–2

Pyoderma gangrenosum occurring at multiple surgical incision sites. Klein JD, et al. **Gastroenterology** 1987 Mar; 92(3):810–3

Pyoderma gangrenosum and hairy cell leukemia. Kaplan RP, et al. **J Dermatol Surg Oncol** 1987 Sep;13(9):1029–31

The role of autonomic neuropathy in diabetic foot ulceration. Ahmed ME, et al. **J Neurol Neurosurg Psychiatry** 1986 Sep;49(9):1002–6

Vascular disease, matrix abnormalities, and neuropathy: implications for limb salvage in diabetes mellitus. LoGerfo FW. **J Vasc Surg** 1987 May;5(5):793–6 (14 ref.)
Nutritional parameters at hospital admission as predictors of pressure ulcer development in elective surgery. Stotts NA. **JPEN J Parenter Enteral Nutr** 1987 May–Jun; 11(3):298–301
The insensitive foot. Northwick Park experience. Geary NP, et al. **Lepr Rev** 1987 Mar;58(1):79–84
The causes of skin ulcerations associated with venous insufficiency: a unifying hypothesis. Angel MF, et al. **Plast Reconstr Surg** 1987 Feb;79(2):289–97 (130 ref.)
Chronic granulomatous disease presenting as an oculomucocutaneous syndrome mimicking Behçet's syndrome. Kelleher D, et al. **Postgrad Med J** 1986 Jun; 62(728):489–91
Abnormal extension of the big toe as a cause of ulceration in diabetic feet. Larsen K, et al. **Prosthet Orthot Int** 1987 Apr;11(1):31–2
[Digital neurotrophic ulcerations after surgical intervention in neurinoma of the median nerve] Granier F, et al. **Ann Dermatol Venereol** 1986;113(8):687–9 **(Fre)**
[Chronic perineo-buttock ulcerations and suppurations preceding Crohn's disease by 30 years] Moulin G, et al. **Ann Dermatol Venereol** 1986;113(4):351–5 **(Fre)**
[Cutaneous ulcerations and osteolysis in the carpal tunnel syndrome] Neau JP, et al. **Rev Neurol (Paris)** 1987; 143(4):303–5 (Eng. Abstr.) **(Fre)**
[Self-induced cutaneous ulcerative lesions. Apropos of 2 cases] Chelli A, et al. **G Ital Dermatol Venereol** 1987 Jun; 122(6):297–9 (Eng. Abstr.) **(Ita)**
[Chronic ischemic ulcer secondary to African anemia. Presentation of a case] Enrique Ochoa J, et al. **Bol Med Hosp Infant Mex** 1987 May;44(5):278–82 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial atrophie blanche-like lesions with subcutaneous fibrinoid vasculitis. The Georgian ulcers. Suster S, et al. **Am J Dermatopathol** 1986 Oct;8(5):386–91
Pyoderma gangrenosum in a kindred. Precipitation by surgery or mild physical trauma. Shands JW Jr, et al. **J Am Acad Dermatol** 1987 May;16(5 Pt 1):931–4

MICROBIOLOGY

The infectious aetiology of tropical ulcer—a study of the role of anaerobic bacteria. Adriaans B, et al. **Br J Dermatol** 1987 Jan;116(1):31–7
A microbiological study of diabetic foot lesions. Jones EW, et al. **Diabetic Med** 1985 May;2(3):213–5
Multiple ulcers with heavy colonization of Candida albicans on the napkin area of an elderly individual. Dekio S, et al. **J Dermatol (Tokyo)** 1987 Apr;14(2):180–1
Control of infection in the diabetic foot: the role of microbiology, immunopathology, antibiotics, and guillotine amputation. McIntyre KE. **J Vasc Surg** 1987 May; 5(5):787–90 (12 ref.)
Parasitic invasion of Fusarium oxysporum in an arterial ulcer in an otherwise healthy patient. Willemsen MJ, et al. **Mykosen** 1986 Jun;29(6):248–52
Anaerobic bacteria in tropical ulcer—the application of a new transport system for their isolation. Adriaans B, et al. **Trans R Soc Trop Med Hyg** 1986;80(5):793–4
[Microflora of suppurative foci of foot lesions in patients with diabetic angiopathy] Bogomolova NS, et al. **Khirurgiia (Mosk)** 1987 Jan;(1):70–1 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Cultivation of Leishmania braziliensis braziliensis from skin ulcers in man under field conditions. Cuba Cuba CA, et al. **Trans R Soc Trop Med Hyg** 1986;80(3):456–7

PATHOLOGY

Pyoderma gangrenosum vs malignant pyoderma. Lumpers vs splitters. Malkinson FD. **Arch Dermatol** 1987 Mar; 123(3):333–7 (44 ref.)
Malignant pyoderma or pyoderma gangrenosum of the head and neck? Wernikoff S, et al. **Arch Dermatol** 1987 Mar; 123(3):371–5
Ecthyma gangrenosum without bacteremia or necrotic cellulitis: a localized form of septic vasculitis [letter] Hurwitz RM. **Arch Intern Med** 1987 Aug;147(8):1513
Specific skin ulcers in Hodgkin's disease. Misra RS, et al. **Cutis** 1987 Mar;39(3):247–8
Metastasis of malignant plantar ulcer in lymph nodes in femoral triangle—a case report. Bobhate SK, et al. **Indian J Lepr** 1986 Oct–Dec;58(4):630–1
Suspected Mycobacterium ulcerans disease in Kiribati. Christie M. **Med J Aust** 1987 Jun 1;146(11):600–4
Genital ulcer syndrome. Silber TJ. **Semin Adolesc Med** 1986 Jun;2(2):155–62
[Pyoderma gangrenosum. 14 personal observations and review of the literature] Guilhou JJ, et al. **J Mal Vasc** 1987; 12(2):202–7 (Eng. Abstr.) **(Fre)**
[Buruli ulcer—necrotizing infection of the hand of a plastic surgeon] Exner K, et al. **Handchir Mikrochir Plast Chir** 1987 Jul;19(4):230–2 (Eng. Abstr.) **(Ger)**
[Idiopathic atrophie blanche or livedoid vasculitis (letter)] Yebra Bango M, et al. **Rev Clin Esp** 1987 Feb;180(3):175–6 **(Spa)**

PHYSIOPATHOLOGY

Impaired vibratory perception and diabetic foot ulceration. Boulton AJ, et al. **Diabetic Med** 1986 Jul–Aug;3(4):335–7
Plantar sensory threshold in the ulcerative foot. Birke JA, et al. **Lepr Rev** 1986 Sep;57(3):261–7

PREVENTION & CONTROL

Prevention of cytotoxic drug induced skin ulcers with dimethyl sulfoxide (DMSO) and alpha-tocopherole. Ludwig CU, et al. **Eur J Cancer Clin Oncol** 1987 Mar; 23(3):327–9
Foot pressure measurement in leprosy and footwear design. Patil KM, et al. **Indian J Lepr** 1986 Jul–Sep;58(3):357–66

RADIOGRAPHY

Sinography and methylene blue. Ayres M, et al. **J Am Podiatr Med Assoc** 1987 Jul;77(7):343–6

RADIOTHERAPY

[Clinical application of low-intensity lasers. 2. Acceleration of wound healing by low-intensity laser irradiation] Taguchi Y, et al. **Nippon Rinsho** 1987 Apr;45(4):749–55 **(Jpn)**

SURGERY

The plantar digital web space island flap for reconstruction of the distal sole. Granick MS, et al. **Ann Plast Surg** 1987 Jul;19(1):68–74
Total contact casting and chronic diabetic neuropathic foot ulcerations: healing rates by wound location. Walker SC, et al. **Arch Phys Med Rehabil** 1987 Apr;68(4):217–21
A new approach to heel ulcers: dorsalis pedis neurovascular trans-interosseous island flap. Gajiwala KJ, et al. **Br J Plast Surg** 1987 May;40(3):241–5
Panmetatarsal head resection in chronic neuropathic ulceration. Giurini JM, et al. **J Foot Surg** 1987 May–Jun; 26(3):249–52
Pectoralis major myocutaneous flap for reconstruction of radionecrotic chest wall ulcer (a case report). Bhathena H. **J Postgrad Med** 1987 Jan;33(1):35–6
The diabetic foot: amputations and drainage of infection. Gibbons GW. **J Vasc Surg** 1987 May;5(5):791–3 (8 ref.)
Distal arterial reconstruction: patency and limb salvage in diabetics. Hurley JJ, et al. **J Vasc Surg** 1987 May; 5(5):796–802 (10 ref.)
A suspensory jacket permitting long-term sitting in paraplegic patients. Ariyan S, et al. **Plast Reconstr Surg** 1987 Feb;79(2):284–8
Pyoderma gangrenosum: skin grafting after preparation with hyperbaric oxygen. Davis JC, et al. **Plast Reconstr Surg** 1987 Feb;79(2):200–7
The scrotal myocutaneous flap. Mendez-Fernandez MA, et al. **Plast Reconstr Surg** 1986 Nov;78(5):676–8
Problematic ulcerative lesions in sexually transmitted diseases: surgical management. Parkash S, et al. **Sex Transm Dis** 1986 Jul–Sep;13(3):127–33
[Exulcerating breast cancer] Ingianni G. **Handchir Mikrochir Plast Chir** 1986 Nov;18(6):379–81 (Eng. Abstr.) **(Ger)**
[Greater omentumplasty for covering the chest wall following removal of ulcerating breast cancer] Durst J, et al. **Langenbecks Arch Chir** 1986;369:447–50 (Eng. Abstr.) **(Ger)**
[Surgical treatment of trophic ulcers of scars in the area of the calcaneal (Achilles) tendon] Grishkevich VM. **Ortop Travmatol Protez** 1987 Feb;(2):33–6 **(Rus)**
[Variants of plastic surgery using the flaps in the area of the Achilles tendon] Grishkevich VM, et al. **Vestn Khir** 1987 Mar;138(3):120–5 (Eng. Abstr.) **(Rus)**

THERAPY

Total contact cast. Burnett O. **Clin Podiatr Med Surg** 1987 Apr;4(2):471–9
Synthetic membranes. Use in diabetic ulcers. Mulder GD. **Clin Podiatr Med Surg** 1987 Apr;4(2):419–27
Diabetic ulcers: evaluation and management. Sage RA. **Clin Podiatr Med Surg** 1987 Apr;4(2):383–93
Total contact casts for neuropathic ulcers [letter] Goldman JM, et al. **Diabetes Care** 1986 Nov–Dec;9(6):671
Cutaneous ulcer therapy. Witkowski JA, et al. **Int J Dermatol** 1986 Sep;25(7):420–6 (41 ref.)
Total contact povidone-iodine perfusion cast for the treatment of neuropathic ulcers. Hollander MR, et al. **J Foot Surg** 1986 Nov–Dec;25(6):484–8
Pyoderma gangrenosum of the head and neck. Schwarz MB, et al. **Laryngoscope** 1987 Jul;97(7 Pt 1):806–9
Improved survival of the diabetic foot: the role of a specialized foot clinic. Edmonds ME, et al. **Q J Med** 1986 Aug;60(232):763–71
Recent advances in moist wound healing. Alper JC. **South Med J** 1986 Nov;79(11):1398–404
[Advances in the treatment of diabetic foot syndrome] Jeziorski KG, et al. **Pol Tyg Lek** 1986 Nov 24;41(47):1500–1 (Eng. Abstr.) **(Pol)**

VETERINARY

Focal ulcerative dermatitis ("breast buttons") in marketed turkeys. Gonder E, et al. **Avian Dis** 1987 Jan–Mar; 31(1):52–8
Epidemiology of Mycobacterium ulcerans infection in koalas (Phascolarctos cinereus) on Raymond Island, southeastern Australia. Mitchell PJ, et al. **J Wildl Dis** 1987 Jul; 23(3):386–90

SKIN WINDOW TECHNIC

Microvascular function in skin windows. Humphrey DM, et al. **Am J Pathol** 1987 Mar;126(3):423–31
Monocytes accumulate on Rebuck skin window coverslips but not in skin chamber fluid. A comparative evaluation of two in vivo migration models. Zimmerli W, et al. **J Immunol Methods** 1987 Jan 26;96(1):11–7
[Cytochemical study of macrophages in sarcoidosis patients in skin window exudates] Sepp N, et al. **Acta Med Austriaca** 1987;14(2):51–3 (Eng. Abstr.) **(Ger)**
[Use of the macrophage migration inhibition test in a "skin window" in clinico-immunologic studies] Tsoi IG. **Lab Delo** 1987;(7):539–42 (Eng. Abstr.) **(Rus)**

SKINFOLD THICKNESS

Skinfold thickness and cardiovascular risk factors. Haines AP, et al. **Am J Epidemiol** 1987 Jul;126(1):86–94
Ultrasonic and skinfold caliper measures of subcutaneous adipose tissue thickness in elderly men and women. Chumlea WC, et al. **Am J Phys Anthropol** 1986 Nov; 71(3):351–7
Relative reliability of circumferences and skinfolds as measures of body fat distribution. Mueller WH, et al. **Am J Phys Anthropol** 1987 Apr;72(4):437–9
Sub-cutaneous tissue growth in boys of the Gaddi tribe, Himachal Pradesh, India. Singh SP, et al. **Anthropol Anz** 1987 Jun;45(2):165–73
Skinfold thickness and adiposity index in premature infants. de Gamarra ME, et al. **Biol Neonate** 1987;51(3):144–8
Caliper skinfold measurements in newborns: analysis of a method. Weile B, et al. **Biol Neonate** 1986;50(4):192–9
The physical characteristics of the members during the International Biomedical Expedition to the Antarctic. Brotherhood JR, et al. **Eur J Appl Physiol** 1986; 55(5):517–23
Three protocols for measuring subcutaneous fat thickness on the upper extremities. Weiss LW, et al. **Eur J Appl Physiol** 1987;56(2):217–21
Adipose tissue distribution: the stability of principal components by sex, ethnicity and maturation stage. Baumgartner RN, et al. **Hum Biol** 1986 Oct;58(5):719–35
Subcutaneous fatness and stature: relationship from infancy to adulthood. Himes JH, et al. **Hum Biol** 1986 Oct; 58(5):737–50
Environmental sensitivity of different skinfold sites. Mueller WH. **Hum Biol** 1986 Aug;58(4):499–506
Subcutaneous fat topography: age changes and relationship to cardiovascular fitness in Canadians. Mueller WH, et al. **Hum Biol** 1986 Dec;58(6):955–73
Reliability of hydrostatic weighing and skinfold measurements of body composition using a generalizability study. Oppliger RA, et al. **Hum Biol** 1987 Feb;59(1):77–96
Comparison of ultrasound and skinfold caliper measurement of subcutaneous fat tissue. Weits T, et al. **Int J Obes** 1986; 10(3):161–8
Changes in skinfold thicknesses and body mass index in 171 children, initially 1 to 5 years of age: a 5 1/2-year follow-up study. Weststrate JA, et al. **Int J Obes** 1986; 10(4):313–21
Skin thickness in normal subjects and in patients with endocrine disorders. Saini JS, et al. **J Assoc Physicians India** 1986 Oct;34(10):701–3
Assessment of cutaneous fat and body fat by ultrasound. Hansen WE, et al. **Klin Wochenschr** 1987 May 4; 65(9):407–10
The use of the Durnin-Womersley generalized equations for body fat estimation and their impact on the Army Weight Control Program. Friedl KE, et al. **Milit Med** 1987 Mar; 152(3):150–5
Interrater reliability of skinfold fat measurements. Kispert CP, et al. **Phys Ther** 1987 Jun;67(6):917–20
[Skinfold measurement and body fat: precise assessment of excess weight in an epidemiologic survey?] Burnand B, et al. **Soz Praventivmed** 1986;31(4–5):229–31 (Eng. Abstr.) **(Fre)**
[Development and regression of dermal corticosteroid atrophy. 1. Change in the skinfold thickness] Lubach D, et al. **Derm Beruf Umwelt** 1986 Sep–Oct;34(5):146–9 (Eng. Abstr.) **(Ger)**
[Human body density estimation by anthropometric data including skin-fold thickness. Part III. Study of female college students] Ogawa M, et al. **Nippon Eiseigaku Zasshi** 1987 Feb;41(6):957–65 (Eng. Abstr.) **(Jpn)**

SKULL

see related
INTRACRANIAL PRESSURE
TREPHINING

Update on cranial bone grafts in craniofacial surgery. Jackson IT, et al. **Ann Plast Surg** 1987 Jan;18(1):37–40
Actinomycotic osteomyelitis of the skull and atlas with late dissemination. A case of transient neurosurgical syndrome. Vannier JP, et al. **Eur J Pediatr** 1986 Sep;145(4):316–8

Hyperbilirubinemia due to massive cephalhematoma. Bansal A, et al. **Indian Pediatr** 1985 Aug;22(8):619–21

Hydatid cyst of the posterior cranial fossa. Inbasekaran V, et al. **J Indian Med Assoc** 1986 Jul;84(7):215–6

Radionuclide passage study in the diagnosis of osteo–dural fistulae. George B, et al. **J Neuroradiol** 1986;13(4):286–90 **(Eng, Fre)**

Chronic granulomatous disease with cranial fungal osteomyelitis and epidural abscess. Case report. Pollack IF, et al. **J Neurosurg** 1987 Jul;67(1):132–6

Skull bone grafts in maxillofacial and craniofacial surgery. Jackson IT, et al. **J Oral Maxillofac Surg** 1986 Dec; 44(12):949–55

Determination of sequestrum activity by SPECT with CT correlation in chronic osteomyelitis of the head and neck. Robinson CB, et al. **J Otolaryngol** 1986 Oct;15(5):279–81

CSF fistulas [letter] Dagi TF. **Neurosurgery** 1987 Jun; 20(6):996–7

Skull granuloma vs. hematoma [letter] Stern WE. **Neurosurgery** 1987 Mar;20(3):504–5

Posterior fossa meningiomas. Hubschmann OR, et al. **NJ Med** 1987 Mar;84(3):185–9

Granulomatous osteolytic lesion of the skull associated with cat–scratch disease. Muszynski MJ, et al. **Pediatr Infect Dis J** 1987 Feb;6(2):199–201

Severe craniofacial sclerosis with multiple anomalies in a boy and his mother. Currarino G, et al. **Pediatr Radiol** 1986; 16(6):441–7

External cranioplasty [letter] Tupper JW. **Plast Reconstr Surg** 1987 Feb;79(2):303–4

Occipito–cervico–thoracic spine fusion in a patient with occipito–cervical dislocation and survival. Zigler JE, et al. **Spine** 1986 Jul–Aug;11(6):645–6

Macewen's sign—"the cracked pot sound".Alexander E Jr, et al. **Surg Neurol** 1987 Jun;27(6):519–22

Treatment of cranial osteomyelitis from disseminated coccidioidomycosis. Gillespie R. **West J Med** 1986 Nov; 145(5):694–7

[Cranial osteitis in two 7– and 8–year–old brothers with associated chronic cerebral brucellosis in one brother] Marandian MH, et al. **Ann Radiol (Paris)** 1986;29(6):545–8 (Eng. Abstr.) **(Fre)**

[Fibrous dysplasia of the skull: a rare cause of exophthalmos] Comte P, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1093–4 **(Fre)**

[Non–traumatic rhinorrhea from a latero–sellar fistula of the temporal fossa adjacent to an empty sella turcica. Computed tomography aspects; surgical treatment] Guard O, et al. **Neurochirurgie** 1986;32(5):448–51 (Eng. Abstr.) **(Fre)**

[Secondary syphilis. Localizations in the bones of the skull] Strada M, et al. **Radiol Med (Torino)** 1987 May;73(5):453–4 **(Ita)**

[Measurement and clinical significance of the posterior cranial fossa volume of patients with hemifacial spasm] Yamamoto Y, et al. **No Shinkei Geka** 1987 Mar;15(3):243–8 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Change in facial shape in micro–, macro– and normocephalics. Lavelle CL. **Acta Anat (Basel)** 1986; 126(4):248–54

Measuring histological form change with finite element methods: an application using diazo–oxo–norleucine (DON)–treated rats. Lozanoff S, et al. **Am J Anat** 1986 Oct;177(2):187–201

Fetal AIDS syndrome score. Correlation between severity of dysmorphism and age at diagnosis of immunodeficiency. Marion RW, et al. **Am J Dis Child** 1987 Apr;141(4):429–31

Duplication 7p in a family with t(7;11): association with anomalies of the anterior cranial base. Odell JM, et al. **Am J Med Genet** 1987 Jul;27(3):687–92

Encephalocraniocutaneous lipomatosis and Proteus syndrome. Wiedemann HR, et al. **Am J Med Genet** 1986 Oct;25(2):403–4

Craniolacunia as the result of compression and decompression of the fetal skull [letter] Wilson WG, et al. **Am J Med Genet** 1987 Jul;27(3):729–30

Nasal clefts. Ortiz Monasterio F, et al. **Ann Plast Surg** 1987 May;18(5):377–97

Surgery for craniofacial deformities: recent advances in a challenging field [editorial] David DJ. **Aust NZ J Surg** 1987 Feb;57(2):65–6

Three–dimensional imaging in craniofacial disorders: a brief review. Hemmy DC. **Aust NZ J Surg** 1987 Feb;57(2):101–4

Three–dimensional CT reformations in the assessment of congenital and traumatic cranio–facial deformities. Gillespie JE, et al. **Br J Oral Maxillofac Surg** 1987 Apr; 25(2):171–7

Surgical treatment of trigonocephaly. Experience with 30 cases. Dhellemmes P, et al. **Childs Nerv Syst** 1986; 2(5):228–32

Dominantly inherited craniodiaphyseal dysplasia: a new craniotubular dysplasia. Schaefer B, et al. **Clin Genet** 1986 Nov;30(5):381–91

The acrocallosal syndrome in sisters. Schinzel A, et al. **Clin Genet** 1986 Nov;30(5):399–405

Cloverleaf skull associated with Pfeiffer syndrome: pathology and management. Kroczek RA, et al. **Eur J Pediatr** 1986 Oct;145(5):442–5

Prenatal diagnosis of Zellweger syndrome and related disorders: impaired degradation of phytanic acid. Poulos A, et al. **Eur J Pediatr** 1986 Dec;145(6):507–10

Trisomy for the distal part of the short arm of chromosome 3. Lurie IW, et al. **Helv Paediatr Acta** 1987 Mar; 41(6):509–13

Dose–incidence relationships for exencephalia, anophthalmia and prenatal mortality in mouse embryos irradiated with fission neutrons or 250 kV X–rays. Friedberg W, et al. **Int J Radiat Biol** 1987 Aug;52(2):223–36

Oral and craniofacial morphology of a patient with Larsen syndrome. Tsang MC, et al. **J Craniofac Genet Dev Biol** 1986;6(4):357–62

Current concepts in craniofacial anomalies. A symposium in honor of Joseph J. Bonner. 1–2 August 1985. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:1–339

Craniofacial and oral malformations in an autopsy population of Japanese human fetuses and newborns. Akimoto N, et al. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:213–33

Acalvaria, holoprosencephaly, and facial dysmorphism syndrome. Sperber GH, et al. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:319–29

Isotretinoin–induced craniofacial malformations in humans and hamsters. Willhite CC, et al. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:193–209

A long time ago... Firmin F. **J Craniomaxillofac Surg** 1987 Aug;15(4):182, 188, 198 passim

Diagnosis of Zellweger syndrome by analysis of bile acids and plasmalogens in stored dried blood collected at neonatal screening. Gustafsson J, et al. **J Pediatr** 1987 Aug; 111(2):264–7

Vascular pathogenesis of unilateral craniofacial defects. Robinson LK, et al. **J Pediatr** 1987 Aug;111(2):236–9

Early prenatal diagnosis of cyclopia associated with holoprosencephaly. Tóth Z, et al. **JCU** 1986 Sep; 14(7):550–3

Craniorachischisis in a squirrel monkey. Jerome CP. **Lab Anim Sci** 1987 Feb;37(1):76–9

Pseudopapilledema and macrocephaly in a child. Hoover DL, et al. **Ophthalmic Paediatr Genet** 1986 Dec;7(3):181–5

Cloverleaf skull associated with unusual skeletal anomalies. Say B, et al. **Pediatr Radiol** 1987;17(2):93–6

The skeletal anatomy of mandibulofacial dysostosis (Treacher Collins syndrome). Marsh JL, et al. **Plast Reconstr Surg** 1986 Oct;78(4):460–70

Concomitant developmental anomalies of the face in patients with clefts of lip (alveolus, and palate) or cleft palates. Gundlach KK. **Scand J Plast Reconstr Surg Hand Surg** 1987;21(1):27–30

Obstructive sleep apneic patients have craniomandibular abnormalities. Jamieson A, et al. **Sleep** 1986 Dec; 9(4):469–77

Treatment of plagiocephaly in infancy. Stratoudakis AC, et al. **South Med J** 1987 Sep;80(9):1097–104

Cervical spinal deformity in craniometaphyseal dysplasia. Yamada H, et al. **Surg Neurol** 1987 Mar;27(3):284–90

Benomyl–induced craniocerebral anomalies in fetuses of adequately nourished and protein–deprived rats. Ellis WG, et al. **Teratogenesis Carcinog Mutagen** 1987;7(4):357–75

Craniofacial dysmorphogenesis following hypervitaminosis A in mice. Kay ED. **Teratology** 1987 Feb;35(1):105–17

[Kleeblattschädel syndrome (cloverleaf skull)] Konstantinova B, et al. **Akush Ginekol (Sofiia)** 1987;26(2):33–7 (Eng. Abstr.) **(Bul)**

[Scaphocephaly. Treatment and complications apropos of 115 cases] Czorny A, et al. **Neurochirurgie** 1987;33(3):190–5 (Eng. Abstr.) **(Fre)**

[Animal experimental results on the etiology and prevention of facial clefts and other craniofacial anomalies] Gundlach KK, et al. **Fortschr Kieferorthop** 1986 Oct;47(5):356–61 (Eng. Abstr.) **(Ger)**

[Prenatal sonography and computed tomography of fetal cerebral malformations] Brinkmann G, et al. **ROFO** 1987 Jul;147(1):76–9 (Eng. Abstr.) **(Ger)**

[Skull abnormalities in a patient with Laurence–Moon–Biedl–Bardet syndrome] Brinkmann G, et al. **ROFO** 1986 Dec;145(6):726–8 **(Ger)**

[Craniofacial surgery: advantages of radical transethmoidal ethmoid resection] Raveh J, et al. **Ther Umsch** 1986 Nov; 43(11):844–52 (Eng. Abstr.) **(Ger)**

[Seckel syndrome (the bird–headed dwarf)] Fehlow P. **Z Arztl Fortbild (Jena)** 1986;80(19):821–2 **(Ger)**

[Foramina parietalia permagna in association with important malformations] Di Pietro P, et al. **Minerva Pediatr** 1986 Sep 30;38(17–18):791–3 (Eng. Abstr.) **(Ita)**

[Partial 3q trisomy. Description of a case and review of the literature] Vianello MG, et al. **Minerva Pediatr** 1987 May 15;39(9):385–92 (Eng. Abstr.) **(Ita)**

[Description of a case of thanatophoric dysplasia with cloverleaf skull] Ronconi GF, et al. **Pediatr Med Chir** 1986 May–Jun;8(3):423–5 (Eng. Abstr.) **(Ita)**

[Experimental teratological studies on facial anomalies induced in mice by bis (dichloroacetyl) diamine. I. Establishment of an animal model of the median cleft face syndrome by the administration of bis (dichloroacetyl) diamine to mice] Igawa HH. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):837–50 (Eng. Abstr.) **(Jpn)**

[Experimental teratological studies on facial anomalies induced in mice by bis(dichloroacetyl)diamine. II. Pathogenesis of bis(dichloroacetyl)diamine–induced median cleft face syndrome in mice] Igawa HH. **Hokkaido Igaku Zasshi** 1986 Nov;61(6):851–68 (Eng. Abstr.) **(Jpn)**

[Recent management of external anomalies in infants] Fujino T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1986 Nov; 38(11):2104–11 **(Jpn)**

[Case of pseudotumor cerebri associated with macrocephalus] Asano N, et al. **No To Hattatsu** 1987 Jan;19(1):68–9 **(Jpn)**

[Are the clover–shaped skull syndrome and thanatophoric dysplasia the same disease entity?] Domański J, et al. **Przegl Lek** 1986;43(11):729–33 **(Pol)**

[Congenital absence of the parietal bones in a family] Zabek M. **Wiad Lek** 1987 Jan 1;40(1):33–8 (Eng. Abstr.) **(Pol)**

[Grieg's cephalopolysyndactylia syndrome in one family] Dadali EL. **Klin Med (Mosk)** 1987 Jun;65(6):129–31 **(Rus)**

[Bannayan syndrome with intracranial arteriovenous malformations] Palencia R, et al. **An Esp Pediatr** 1986 Dec; 25(6):462–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Cranial bone density in motor neuron disease (MND) [letter] Montagna P, et al. **Ital J Neurol Sci** 1987 Feb;8(1):73–4

ANATOMY & HISTOLOGY

Variations of supraorbital bony structures in Sienese skulls. Guidotti A, et al. **Acta Anat (Basel)** 1986;127(1):1–6

Chondroid bone on the upper pharyngeal jaws and neurocranial base in the adult fish Asiatotilapia elegans. Huysseune A, et al. **Am J Anat** 1986 Dec;177(4):527–35

Comparative morphology and evolution of the otic region in toothed whales (Cetacea, Mammalia). Oelschläger HA. **Am J Anat** 1986 Nov;177(3):353–68

Identification by Identi–Kit composite from skull appearance. Combined efforts of the anthropologist, forensic pathologist, and criminal investigators. Eckert WG, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):213–5

Computer–aided skull/face superimposition. Pesce Delfino V, et al. **Am J Forensic Med Pathol** 1986 Sep;7(3):201–12

Cephalometric superimposition on the cranial base: a review and a comparison of four methods. Ghafari J, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):403–13

Craniofacial characteristics of subjects with normal and postnormal occlusions—a longitudinal study. Kerr WJ, et al. **Am J Orthod Dentofacial Orthop** 1987 Sep;92(3):207–12

The morphologic and biochemical effects of tensile force application to the interparietal suture of the Sprague–Dawley rat. Miyawaki S, et al. **Am J Orthod Dentofacial Orthop** 1987 Aug;92(2):123–33

Craniofacial skeleton of 7–year–old children with enlarged adenoids. Tarvonen PL, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr;91(4):300–4

Variations in sexual dimorphism in the skulls of rats subjected to malnutrition, castration, and treatment with gonadal hormones. Dahinten SL, et al. **Am J Phys Anthropol** 1986 Sep;71(1):63–7

Gene flow and variation in stature and craniofacial dimensions among indigenous populations of southern Mexico, Guatemala, and Honduras. Little BB, et al. **Am J Phys Anthropol** 1986 Aug;70(4):505–12

Correlations between the cross–sectional area of the jaw muscles and craniofacial size and shape. Weijs WA, et al. **Am J Phys Anthropol** 1986 Aug;70(4):423–31

Method for analyzing outlines with an application to recent Japanese crania. Yasui K. **Am J Phys Anthropol** 1986 Sep; 71(1):39–49

A non–metrical study of Nigerian cranium. Saxena SK, et al. **Anat Anz** 1986;162(3):171–4

Skull morphology after early craniotomy in patients with premature synostosis of the coronal suture. Friede H, et al. **Cleft Palate J** 1986 Dec;23 Suppl 1:1–8

The technical reliability of superimposition on cranial base and mandibular structures. Buschang PH, et al. **Eur J Orthod** 1986 Aug;8(3):152–6

Variability of measurements' features of the neurocranium in human fetuses. Ziółkowski M, et al. **Folia Morphol (Warsz)** 1986;45(2):86–95

The measurements of the canalis caroticus of Japanese males. Nakashima T. **Fukuoka Igaku Zasshi** 1986 Oct;77(10):561–3

On the structural adaptations of the bill, skull–elements, tongue, and hyoid of some Indian insect–eating birds. Bhattacharyya BN. **Gegenbaurs Morphol Jahrb** 1987; 133(2):311–51

Cranial base shape variation with age: a longitudinal study of shape using Fourier analysis. Lestrel PE, et al. **Hum Biol** 1986 Aug;58(4):527–40

Schlieren study of pulsed ultrasound transmission through human skull. Smith SW, et al. **JCU** 1974 Mar;2(1):55–9

Hominoid nasal region polymorphism and its phylogenetic significance. Eckhardt RB. **Nature** 1987 Jul 23–29; 328(6128):333–7

A fossil owl monkey from La Venta, Colombia. Setoguchi T, et al. **Nature** 1987 Apr 16–22;326(6114):692–4

Transtemporal approach to the skull base: an anatomical study. Sekhar LN, et al. **Neurosurgery** 1986 Nov; 19(5):799–808

Are there any regularities in cranial sutures? Masuda Y, et al. **Okajimas Folia Anat Jpn** 1987 May;64(1):39–45

Terminology for cranial anatomy [letter] Psillakis JM. **Plast Reconstr Surg** 1986 Oct;78(4):539

MR imaging of the nasopharynx and floor of the middle cranial fossa. Part I. Normal anatomy. Teresi LM, et al. **Radiology** 1987 Sep;164(3):811–6

Brachycephalization in the head form of school girls in North

Kyushu. Nakashima T. **Sangyo Ika Daigaku Zasshi** 1986 Dec 1;8(4):411–4

A histologic comparative study of the midpalatal suture and periodontal ligament tissue in the beagle dog. Follin ME, et al. **Scand J Dent Res** 1987 Feb;95(1):55–8

A new look at an old fossil face [news] Lewin R. **Science** 1986 Dec 12;234(4782):1326

A new archaic Homo sapiens cranium from Eliye Springs, West Turkana, Kenya. Bräuer G, et al. **Z Morphol Anthropol** 1986;76(3):245–52

Two early Hoabinhian crania from Thanh Hoa Province, Vietnam. Nguyen LC. **Z Morphol Anthropol** 1986; 77(1):11–7

[Weight, height, and head circumference of the newborn infants of Haute-Normandie. An 8-year study] Fessard C, et al. **Ann Pediatr (Paris)** 1987 Feb;34(2):127–36 (Eng. Abstr.) **(Fre)**

[The exit of the chorda tympani nerve through the external surface of the base of the skull] Fasel J. **Acta Anat (Basel)** 1986;126(4):205–7 (Eng. Abstr.) **(Ger)**

[The problem of incisions and orifices in the supraorbital margin in man] Goździewski S, et al. **Anat Anz** 1987; 163(4):327–36 (Eng. Abstr.) **(Ger)**

[Functional morphology of the maxillo-mandibular apparatus in miniature MINI-LEWE swine. 1. Miniature swine in oro-anatomically-oriented research] Schumacher KU, et al. **Anat Anz** 1987;163(3):239–42 (Eng. Abstr.) **(Ger)**

[Preparation of individual skull models based on computed tomographic information] Brix F, et al. **Fortschr Kiefer Gesichtschir** 1987;32:74–7 **(Ger)**

[Two cases of homicide from the pre-ceramic neolithic era of Arabia Petraea] Röhrer-Ertl O, et al. **Gegenbaurs Morphol Jahrb** 1987;133(3):507–37 (Eng. Abstr.) **(Ger)**

[Morphology and development of the cranium of Felis silvestris f. catus Linné 1758—a contribution to comparative anatomy of Carnivora. I. Introduction, material and methods, complete cranium and regio ethmoidalis] Timm S. **Gegenbaurs Morphol Jahrb** 1987; 133(3):411–67 (Eng. Abstr.) **(Ger)**

[Distribution of the musculature of the posterior external cranial base and development of the occipital transverse torus in fossil hominids, especially in Homo erectus] Pihak M. **Z Morphol Anthropol** 1986;77(1):19–36 (Eng. Abstr.) **(Ger)**

[Anthropological study of Shizunai Ainu skulls with special reference to the mandible] Takeda M. **Kaibogaku Zasshi** 1986 Dec;61(6):694–708 (Eng. Abstr.) **(Jpn)**

[Identification of a person by the superimposition method] Ishibashi H. **Nippon Hoigaku Zasshi** 1986 Oct;40(5):445–54 (Eng. Abstr.) **(Jpn)**

[Method of topographoanatomic study of the 3d ventricle in relation to structures of the base and vault of the cranium] Dobrovol'skiĭ GF. **Arkh Anat Gistol Embriol** 1987 Jun;92(6):60–2 **(Rus)**

BLOOD SUPPLY

Damaging venous reflux into the skull or spine: relevance to multiple sclerosis. Schelling F. **Med Hypotheses** 1986 Oct;21(2):141–8

[Craniofacial growth influenced by blood supply. 1. Collaterals and anastomoses following unilateral ligation of the common carotid artery] Köster D, et al. **Anat Anz** 1986;162(4):241–50 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Effect of tensile force magnitude on release of cranial suture cells into S phase. Hickory WB, et al. **Am J Orthod Dentofacial Orthop** 1987 Apr;91(4):328–34

Growth control of cultured rat calvarium cells by platelet-derived growth factor. Hanks CT, et al. **J Oral Pathol** 1986 Oct;15(9):476–83

EMBRYOLOGY

The development of the chondrocranium of Melopsittacus undulatus. de Kock JM. **Adv Anat Embryol Cell Biol** 1987; 104:1–70

Ultrasound investigation of the posterior fossa in the fetus. Pilu G, et al. **Am J Perinatol** 1987 Apr;4(2):155–9

The role of function in the development of human craniofacial form—a perspective. Kean MR, et al. **Anat Rec** 1987 Jun;218(2):107–10 (51 ref.)

Ontogeny and cranial morphology of the tympanic region of the Tupaiidae, with special reference to Ptilocercus. Zeller UA. **Folia Primatol (Basel)** 1986;47(2–3):61–80

Craniofacial growth during human secondary palate formation and potential relevance of experimental cleft palate observations. Diewert VM. **J Craniofac Genet Dev Biol [Suppl]** 1986;2:267–76

Origins and patterning of craniofacial mesenchymal tissues. Noden DM. **J Craniofac Genet Dev Biol [Suppl]** 1986; 2:15–31

[Clarification of basic factors of the morphology of the skull, especially ontogenesis of the skull of Cavia aperea f. porcellus L.] Kuhn HJ. **Gegenbaurs Morphol Jahrb** 1986; 132(4):555–66 (Eng. Abstr.) **(Ger)**

[Determination of fetal length by the size of the anterior fontanelle] Zalchenko AA. **Sud Med Ekspert** 1986 Oct–Dec;29(4):29–31 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The correlation between craniofacial and long bone growth: an experimental investigation in normal rabbits. Alberius P, et al. **Am J Anat** 1986 Dec;177(4):519–25

Restricted growth at the frontonasal suture: alterations in craniofacial growth in rabbits. Babler WJ, et al. **Am J Anat** 1987 Jan;178(1):90–8

Late skeletal development at the articulation between upper pharyngeal jaws and neurocranial base in the fish, Astatotilapia elegans, with the participation of a chondroid form of bone. Huysseune A. **Am J Anat** 1986 Sep; 177(1):119–37

The effect of chin cup therapy on the growth and development of the cranial base and midface. Ritucci R, et al. **Am J Orthod Dentofacial Orthop** 1986 Dec; 90(6):475–83

Relationships between growth at the sutures of the rabbit calvarium. Alberius P, et al. **Am J Phys Anthropol** 1987 Apr;72(4):431–5

Studies on orthocephalization: growth behavior of the rat skull in the period 13–49 days as described by the finite element method. Moss ML, et al. **Am J Phys Anthropol** 1987 Mar;72(3):323–42

Longitudinal study of craniofacial growth in Macaca fascicularis. Nanda R, et al. **Am J Phys Anthropol** 1987 Jun;73(2):215–25

Effects of maternal food restriction during lactation on craniofacial growth in weanling rats. Pucciarelli HM, et al. **Am J Phys Anthropol** 1987 Jan;72(1):67–75

Long-term analysis of calvarial growth in rabbits. Alberius P, et al. **Anat Anz** 1986;162(3):153–70

The growth of vascularized onlay bone transfers. LaTrenta GS, et al. **Ann Plast Surg** 1987 Jun;18(6):511–6

A case report of superimposition on cranial base. McDonald F. **Br J Orthod** 1987 Apr;14(2):115–20

Skull fractures in children: their assessment in relation to developmental skull changes and acute intracranial hematomas. Mann KS, et al. **Childs Nerv Syst** 1986; 2(5):258–61

Suboccipito-vault skull diameter: an early indicator of ventricular dilatation in preterm babies. Aboualfa M, et al. **Dev Med Child Neurol** 1986 Dec;28(6):740–4

Narrow heads of preterm infants—do they matter? Elliman AM, et al. **Dev Med Child Neurol** 1986 Dec;28(6):745–8

Postnatal sutural growth of the calvarium: a survey with special reference to the rabbit. Alberius P, et al. **Gegenbaurs Morphol Jahrb** 1986;132(4):519–34

Tooth eruption and craniofacial development in congenital hypothyroidism: report of case. Loevy HT, et al. **J Am Dent Assoc** 1987 Sep;115(3):429–31

Longitudinal roentgencephalometric study of the growth of the New Zealand white rabbit: cumulative and biweekly incremental growth rates for skull and mandible. Masoud I, et al. **J Craniofac Genet Dev Biol** 1986;6(3):259–87

Finite element scaling analysis of human craniofacial growth. Richtsmeier JT, et al. **J Craniofac Genet Dev Biol** 1986; 6(3):289–323

Calvarial growth after linear craniectomy in scaphocephaly as evaluated by X-ray stereophotogrammetry. Alberius P, et al. **J Craniomaxillofac Surg** 1987 Feb;15(1):2–9

Benign extra-axial collections of infancy. Carolan PL, et al. **Pediatr Neurosci** 1985–86;12(3):140–4

[The phenomenon and systems of biomechanical integration of stromal elements of the diploë of the cranial bones] Pedziwiatr ZF. **Folia Med Cracov** 1986;27(3–4):245–57 (Eng. Abstr.) **(Pol)**

INJURIES

The craniofacial approach to trauma. Lauritzen C, et al. **Ann Plast Surg** 1986 Dec;17(6):503–12

A rare case of penetrating wound of the skull and brain with contracture of the mandible. Dimitrov D, et al. **Folia Med (Plovdiv)** 1986;28(1):11–3

Occlusion of the basilar artery within a fracture of the clivus. Case report. Anthony DC, et al. **J Neurosurg** 1987 Jun; 66(6):929–31

[Determination of the characteristics of the tracks by probe profilography in identifying the hacking weapon from traces on the bones] Edelev NS. **Sud Med Ekspert** 1987 Apr–Jun;30(2):57–8 **(Rus)**

[Establishing the position of a chopping weapon at the time of inflicting the injuries] Edelev NS. **Sud Med Ekspert** 1986 Jul–Sep;29(3):56–7 **(Rus)**

[Penetrating skull wound from a cutting object] Iablonskiĭ MF, et al. **Sud Med Ekspert** 1987 Apr–Jun;30(2):56–7 **(Rus)**

[Acute damage in the vestibular apparatus after skull injuries] Iwankiewicz S, et al. **Cesk Otolaryngol** 1987 Mar;36(2):65–9 (Eng. Abstr.) **(Slo)**

INNERVATION

[Use of craniopuncture in the treatment of patients with the sequelae of stroke] Shevtsova NP, et al. **Voen Med Zh** 1987 May;(5):68–9 **(Rus)**

METABOLISM

Vitamin D3 and avian bone in vitro: specificity of effect on Japanese quail calvaria. Gunasekaran S, et al. **Calcif Tissue Int** 1986 Dec;39(6):404–11

Vitamin D3 and avian bone in vitro: stimulation of calcium movement into Japanese quail calvaria. Gunasekaran S, et al. **Calcif Tissue Int** 1986 Dec;39(6):396–403

PATHOLOGY

Chondroblastoma of the skull and facial bones. Bertoni F, et al. **Am J Clin Pathol** 1987 Jul;88(1):1–9

Xanthoma of the temporal bone and skull base. Jackler RK, et al. **Am J Otol** 1987 Mar;8(2):111–5

Hat size in schizophrenia [letter] **Arch Gen Psychiatry** 1987 Jul;44(7):672–6

Craniofacial morphology in shunt-treated hydrocephalic children. Huggare JA, et al. **Cleft Palate J** 1986 Oct; 23(4):261–9

Cranial base changes following surgical treatment of craniosynostosis. Marsh JL, et al. **Cleft Palate J** 1986 Dec; 23 Suppl 1:9–18

Identification of skulls by video superimposition. Iten PX. **J Forensic Sci** 1987 Jan;32(1):173–88

Maxillary suture obliteration: aging the human skeleton based on intact or fragmentary maxilla. Mann RW, et al. **J Forensic Sci** 1987 Jan;32(1):148–57

Intracranial extension of paranasal sinus aspergillosis. Oates J, et al. **J Laryngol Otol** 1987 Feb;101(2):188–90

Plagiocephaly and torticollis in young infants [editorial] **Lancet** 1986 Oct 4;2(8510):789–90

Two calves of Arnold-Chiari malformation and their craniums. Hiraga T, et al. **Nippon Juigaku Zasshi** 1987 Aug; 49(4):651–6

[Fracture of the skull with progressive enlargement in the small child] Lamesch AJ, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1987;124 Spec No:276–82 **(Fre)**

[Case study of hydrocephalus. 2. Myometry] Terk B, et al. **Orthod Fr** 1985;56(2):535–44 (Eng. Abstr.) **(Fre)**

[Case study of hydrocephalus. 1. Craniometry and vestibular study] Terk B, et al. **Orthod Fr** 1985;56(2):525–33 (Eng. Abstr.) **(Fre)**

[Craniofacial melorheostosis. Report of a case and review of the literature] Caroli A, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):40–7 (Eng. Abstr.) **(Fre)**

[Cystic changes of the posterior cranial fossa on the nuclear magnetic resonance tomogram] Weiss T, et al. **ROFO** 1986 Nov;145(5):590–7 (Eng. Abstr.) **(Ger)**

[Types of cranial bone overlapping during configuration of the head and cerebral circulatory disorders in fetuses and newborn infants] Vlasiuk VV, et al. **Akush Ginekol (Mosk)** 1987 Jan;(1):37–41 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

H+ stimulation of cell-mediated bone resorption in tissue culture. Goldhaber P, et al. **Am J Physiol** 1987 Jul;253(1 Pt 1):E90–8

Changes in anterior fontanel pressure in preterm neonates during tracheal intubation. Friesen RH, et al. **Anesth Analg** 1987 Sep;66(9):874–8

Intracranial pressure estimation by palpation of the anterior fontanelle. Kaiser AM, et al. **Arch Dis Child** 1987 May; 62(5):516–7

Bovine bone morphogenetic protein (bBMP) fraction-induced repair of craniotomy defects in the rhesus monkey (Macaca speciosa). Ferguson D, et al. **Clin Orthop** 1987 Jun;(219):251–8

Bone regeneration under the influence of a bone morphogenetic protein (BMP) beta tricalcium phosphate (TCP) composite in skull trephine defects in dogs. Urist MR, et al. **Clin Orthop** 1987 Jan;(214):295–304

The effect of movement, stress and mechanoelectric activity within the cranial matrix. Blum CL. **Int J Orthod** 1987 Spring;25(1–2):6–14 (72 ref.)

Anterior fontanel: size and closure in term and preterm infants. Duc G, et al. **Pediatrics** 1986 Nov;78(5):904–8

[Anterior fontanelle as a window to the brain—normal values and timing of closure] Brandt I, et al. **Klin Padiatr** 1986 Jul–Aug;198(4):330–6 (Eng. Abstr.) **(Ger)**

[Early radical operation of trigonocephaly in infancy—pathophysiological concepts and operative procedure of premature closure of the metopic suture] Oi S, et al. **No Shinkei Geka** 1986 Aug;14(9):1087–92 (Eng. Abstr.) **(Jpn)**

[Reaction of the bony structures of animal skulls during the modelling of extraoral orthodontic apparatus] Zagorskiĭ VA. **Stomatologiia (Mosk)** 1987 Mar–Apr;66(2):6–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The craniosacral mechanism and the temporomandibular joint. Blood SD. **J Am Osteopath Assoc** 1986 Aug; 86(8):512–9

RADIATION EFFECTS

Cerebral pathology and neuropsychological effects. Differential effects of cranial radiation as a function of age. Dowell RE Jr, et al. **Am J Pediatr Hematol Oncol** 1987 Spring;9(1):68–72 (29 ref.)

Growth failure and growth-hormone deficiency after treatment for acute lymphoblastic leukaemia. Kirk JA, et al. **Lancet** 1987 Jan 24;1(8526):190–3

[Possibility of the restoration of bone regeneration of the

rabbit skull vault after its inhibition by local x-irradiation] Kantorova VI. **Dokl Akad Nauk SSSR** 1986;290(4):969–73 **(Rus)**

RADIOGRAPHY

Eye lens dose in cranial computed tomography with reference to the technical development of CT scanners. Moström U, et al. **Acta Radiol [Diagn] (Stockh)** 1986 Sep–Oct;27(5):599–606

Pseudoforamina of the skull base: a normal variant. Hurst RW, et al. **AJNR** 1987 Jul–Aug;8(4):737

The "keyhole": a sign of herniation of a trapped fourth ventricle and other posterior fossa cysts. Wolfson BJ, et al. **AJNR** 1987 May–Jun;8(3):473–7

Difficulties in diagnosing congenital posterior fossa fluid collections after shunting procedures. Wolpert SM, et al. **AJNR** 1987 Jul–Aug;8(4):653–6

A study of the factors causing differences in the relative variability of linear radiographic cephalometric measurements. Järvinen S. **Am J Orthod Dentofacial Orthop** 1987 Jul;92(1):17–23

Normal radiographic anatomy and common anomalies seen in cephalometric films. Kantor ML, et al. **Am J Orthod Dentofacial Orthop** 1987 May;91(5):414–26 (30 ref.)

Vascular malformations of the posterior fossa. Clinical and radiologic features. Silber MH, et al. **Arch Neurol** 1987 Sep;44(9):965–9

The xerographic assessment of craniofacial deformities. Mayne LH. **Aust NZ J Surg** 1978 Dec;48(6):637–8

A case of autosomal recessive form of cranio–metaphyseal dysplasia with unusual features and with bone fragility. Ventruto V, et al. **Australas Radiol** 1987 Feb;31(1):79–82

Interpreting the skull X-ray. Moseley I. **Br J Hosp Med** 1987 Apr;37(4):340–8

Sources of error in measurements from cephalometric radiographs. Houston WJ, et al. **Eur J Orthod** 1986 Aug; 8(3):149–51

Cranial hyperostosis and hearing loss (a new syndrome?). Moesker WH, et al. **J Laryngol Otol** 1986 Oct; 100(10):1187–93

Computed tomographic findings of brain and skull in myotonic dystrophy. Avrahami E, et al. **J Neurol Neurosurg Psychiatry** 1987 Apr;50(4):435–8

Cranial sclerosis with striated bone disease (osteopathia striata). Piechowiak H, et al. **Klin Padiatr** 1986 Sep–Oct; 198(5):418–24

Skull x-rays after head injury—the final word? [editorial] **Lancet** 1987 Mar 21;1(8534):667

Skull radiographs after head injury [letter] Clarke JA, et al. **Lancet** 1987 Aug 22;2(8556):457

Examining the parents of children with tuberous sclerosis [letter] Fryer AE, et al. **Lancet** 1986 Dec 20–27; 2(8521–22):1467

Skull x-ray examinations after head trauma [letter] **N Engl J Med** 1987 Jul 30;317(5):316–7

Skull x-ray examinations after head trauma. Recommendations by a multidisciplinary panel and validation study. Masters SJ, et al. **N Engl J Med** 1987 Jan 8;316(2):84–91

Bone changes in diffuse congenital lipomatosis. Bollinger B. **Neuroradiology** 1987;29(1):104

Cranial and epidural mycetoma caused by streptomyces somaliensis. Naim-Ur-Rahman, et al. **Neuroradiology** 1987; 29(1):95–7

Osteomyelitis and cephalhematoma [letter] Boise RC. **Pediatr Infect Dis** 1986 Sep–Oct;5(5):608

Quantitative imaging and microanalysis with a scanning soft x-ray microscope. Jacobsen C, et al. **Phys Med Biol** 1987 Apr;32(4):431–7

Pediatric patients with achondroplasia: CT evaluation of the craniocervical junction. Wang H, et al. **Radiology** 1987 Aug;164(2):515–9

Sex determination of the human skull based upon line drawing from roentgen cephalograms. Funayama M, et al. **Tohoku J Exp Med** 1986 Aug;149(4):407–16

[Cephalometrics in orthognathic surgery] Fu MK. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Nov;21(6):335–9, 383 (Eng. Abstr.) **(Chi)**

[A cephalometric study of craniofacial skeletal growth in anterior cross-bite malocclusion] Zeng XL. **Chung Hua Kou Chiang Ko Tsa Chih** 1986 Jan;21(1):8–13, 61 (Eng. Abstr.) **(Chi)**

[Difficult intubations. Clinical pitfalls. Contribution of radiology] Pasuch M, et al. **J Belge Radiol** 1986;69(6):435–9 (Eng. Abstr.) **(Fre)**

[3-dimensional computed tomographic imaging of the skull] Steinhäuser EW, et al. **Fortschr Kiefer Gesichtschir** 1987; 32:97–9 **(Ger)**

[Value of "suture bones" in the diagnosis of minor brain damage in early childhood] Kinze W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1986 Oct; 38(10):592–6 (Eng. Abstr.) **(Ger)**

[Determination of the integral doses in conventional x-ray studies and computed tomography of the skull] Plattfaut G, et al. **ROFO** 1987 Apr;146(4):455–9 (Eng. Abstr.) **(Ger)**

[Contact gel as a source of error in roentgen images of the skull] Brinkmann H. **Rontgenblatter** 1986 Oct;39(10):294–6 (Eng. Abstr.) **(Ger)**

[The skull in renal osteodystrophy] Orzincolo C, et al. **Radiol Med (Torino)** 1987 Jun;73(6):518–22 (Eng. Abstr.) **(Ita)**

[Observation of bony structure of skull. A comparative CT study of skull base using dried human skull] Anegawa S, et al. **Neurol Med Chir (Tokyo)** 1986 Apr;26(4):271–6 (Eng. Abstr.) **(Jpn)**

[Sex determination of the human dry skull by the analysis of roentgen cephalogram with computer] Funayama M, et al. **Nippon Hoigaku Zasshi** 1987 Feb;41(1):40–4 (Eng. Abstr.) **(Jpn)**

[Compensatory foils in teleradiography of the skull] von Ritter W, et al. **Pol Przegl Radiol (Warszawa)** 1986 Jul–Aug;50(4):222–4 (Eng. Abstr.) **(Pol)**

[X-ray picture of the skull changes in Treacher Collins' syndrome] Rabukhina NA, et al. **Stomatologiia (Mosk)** 1986 Nov–Dec;65(6):71–4 (Eng. Abstr.) **(Rus)**

[X-ray and morphological comparisons of the cranial sutures] Verkhogliadova TP, et al. **Vrach Delo** 1986 Dec;(12):80–2 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

SPECT confidence building. Subtle skull bone imaging lesions made conspicuous. Cawthon MA, et al. **Clin Nucl Med** 1986 Nov;11(11):805–6

The prognostic value of diffuse skull activity in bone scintigraphy from breast cancer patients [letter] Hale TI, et al. **Eur J Nucl Med** 1987;13(2):106–7

The hot skull: malignant or feminine? Roos JC, et al. **Eur J Nucl Med** 1987;13(4):207–9

Is the skull view necessary in routine gamma camera bone scanning? Nunan TO, et al. **Nucl Med Commun** 1985 Jan; 6(1):37–40

SURGERY

Pneumocephalus and tension pneumocephalus after posterior fossa surgery in the sitting position: a prospective study. Di Lorenzo N, et al. **Acta Neurochir (Wien)** 1986; 83(3–4):112–5

Anaesthesia for transoral craniocervical surgery. Marks RJ, et al. **Anaesthesia** 1986 Oct;41(10):1049–52

Breathing nitrous oxide during closure of the dura and cranium is not indicated [letter] Artru AA. **Anesthesiology** 1987 May;66(5):719–20

Venous air embolism and cardiac arrest during craniectomy in a supine infant. Harris MM, et al. **Anesthesiology** 1986 Nov;65(5):547–50

Vascularized skull bone grafts in craniofacial surgery. Bite U, et al. **Ann Plast Surg** 1987 Jul;19(1):3–15

Anaesthesia for major craniofacial surgery: a report of 23 cases in children under four years of age. Uppington J, et al. **Ann R Coll Surg Engl** 1987 Jul;69(4):175–8

Periorbital basal cell carcinoma requiring ablative craniofacial surgery. Rosen HM. **Arch Dermatol** 1987 Mar; 123(3):376–8

Reconstruction of the anterior skull base following craniofacial resection. Stiernberg CM, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul;113(7):710–2

Craniofacial resection for paranasal sinus cancer with free flap repair. Bridger GP, et al. **Aust NZ J Surg** 1986 Nov; 56(11):843–7

Free composite reconstruction of a complex craniofacial defect. Richards MA. **Aust NZ J Surg** 1987 Feb; 57(2):129–32

Bone grafting in cleft deformity: a craniofacial approach. Salyer KE, et al. **Aust NZ J Surg** 1987 Feb;57(2):67–76

Craniofacial surgery: a challenging new advance [editorial] Snell JA. **Aust NZ J Surg** 1978 Dec;48(6):602

Reconstruction of the cranial base following tumour resection. Jones NF, et al. **Br J Plast Surg** 1987 Mar; 40(2):155–62

Cranial coverage involving scalp, bone and dura using free inferior epigastric flap. Miyamoto Y, et al. **Br J Plast Surg** 1986 Oct;39(4):483–90

The effect of carbon dioxide laser irradiation on cranial bone healing. An experimental study. James HE, et al. **Childs Nerv Syst** 1986;2(5):248–51

Long-term results of craniofacial surgery. A selection of papers from an international symposium. New York City, May 17, 1986. **Cleft Palate J** 1986 Dec;23 Suppl 1:1–131

Craniofacial surgery. **Clin Plast Surg** 1987 Jan;14(1):1–198

Tissue expansion in craniofacial surgery. Argenta LC, et al. **Clin Plast Surg** 1987 Jan;14(1):143–53

Anesthesia for craniofacial procedures. Broennle AM, et al. **Clin Plast Surg** 1987 Jan;14(1):17–26

Neurosurgical considerations in cranio–orbital surgery. Bruce DA, et al. **Clin Plast Surg** 1987 Jan;14(1):187–93

Anthropometric guidelines in cranio–orbital surgery. Farkas LG, et al. **Clin Plast Surg** 1987 Jan;14(1):1–16

Ophthalmic considerations in cranio–orbital surgery. Katowitz JA, et al. **Clin Plast Surg** 1987 Jan;14(1):155–62

Vascularized calvarial flaps. McCarthy JG, et al. **Clin Plast Surg** 1987 Jan;14(1):37–47

Bone grafts in craniofacial surgery. Salyer KE, et al. **Clin Plast Surg** 1987 Jan;14(1):27–35

Bone grafts in orthognathic and craniofacial surgery. Verdi GD, et al. **Ear Nose Throat J** 1986 Nov;65(11):506–11

Cranioplasty with a silicone prosthesis and split rib grafts. Chicarilli ZN, et al. **Head Neck Surg** 1986 May–Jun; 8(5):355–62

An ultrasound window to perform scanned, focused ultrasound hyperthermia treatments of brain tumors. Tobias J, et al. **Med Phys** 1987 Mar–Apr;14(2):228–34

Transtemporal approach to the skull base [letter] Hakuba A. **Neurosurgery** 1987 Jun;20(6):994

Cranioplasty and cranial prosthesis. By P. Lecène. 1920. **Plast Reconstr Surg** 1986 Oct;78(4):530–5

Volumetric quantification of intracranial and ventricular volume following cranial vault remodeling: a preliminary report. Dufresne CR, et al. **Plast Reconstr Surg** 1987 Jan; 79(1):24–32

Wire mesh for cranial vault reconstruction [letter] Hemmy DC. **Plast Reconstr Surg** 1987 Feb;79(2):306–7

Skull expansion in experimental craniosynostosis. Persing JA, et al. **Plast Reconstr Surg** 1986 Nov;78(5):594–603

Management of a large skull defect utilizing a vascularized free omental transfer. Benzel EC, et al. **Surg Neurol** 1987 Mar;27(3):223–7

Transcerebellar biopsy in the posterior fossa: 12 years experience. Mathisen JR, et al. **Surg Neurol** 1987 Aug; 28(2):100–4

[PMMA in the area of the skull and spine—experiences with cements containing antibiotics and antibiotic-free cements] Knöringer P. **Aktuel Probl Chir Orthop** 1987;31:308–13 **(Ger)**

[Anesthetic management of a patient with Hutchinson-Gilford syndrome] Ariyoshi S, et al. **Masui** 1987 Mar;36(3):422–6 (Eng. Abstr.) **(Jpn)**

[Methods for the plastic repair of defects in the bones of the skull] Starykh VS. **Voen Med Zh** 1986 Sep;(9):63–4 **(Rus)**

TRANSPLANTATION

Autogeneic skull bone grafts to reconstruct large or complex skull defects in children and adolescents. Edwards MS, et al. **Neurosurgery** 1987 Feb;20(2):273–80

[Subtotal bone resorption following reimplantation of a bone flap. 2 case examples] Schneider T. **Neurochirurgia (Stuttg)** 1987 Jan;30(1):19–20 (Eng. Abstr.) **(Ger)**

SKULL FRACTURES

Cranio–facial injuries. (Theme of the joint meeting of the French Neuroradiology and French Language Neurosurgery Societies, held on 12th December, 1985). **J Neuroradiol** 1986;13(4):229–304 **(Eng, Fre)**

[Fractures of the middle third of the face] Olstad OA, et al. **Tidsskr Nor Laegeforen** 1987 Mar 10;107(7):625–8, 668 (Eng. Abstr.) **(Nor)**

CLASSIFICATION

A pathological classification of nasal fractures. Murray JA, et al. **Injury** 1986 Sep;17(5):338–44

COMPLICATIONS

Posttraumatic ethmoidal pseudomeningoencephalocele. Jinkins JR. **AJNR** 1987 Jul–Aug;8(4):649–51

Traumatic pneumorrhachis. Newbold RG, et al. **AJR** 1987 Mar;148(3):615–6

Surgical correction of late sequelae from facial bone fractures. Thaller SR, et al. **Am J Surg** 1987 Jul; 154(1):149–53

Orbital cellulitis and orbital fractures. Goldfarb MS, et al. **Ann Ophthalmol** 1987 Mar;19(3):97–9, 115

Impaired upward gaze due to subperiosteal hemorrhage of the orbital roof. Ohtsuka H, et al. **Ann Plast Surg** 1987 Jun;18(6):547–9

Unusual complications of temporal bone fractures. Ghorayeb BY, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jul; 113(7):749–53

Visual loss due to orbital fracture. The role of early reduction. Lipkin AF, et al. **Arch Otolaryngol Head Neck Surg** 1987 Jan;113(1):81–3

Crossed sagittal–suture cephalhaematoma. Merlob P, et al. **Br J Radiol** 1985 Oct;58(694):1007–8

Ligation of the external carotid and anterior ethmoidal arteries for severe or unusual epistaxis resulting from facial fractures. Hassard AD, et al. **Can J Surg** 1986 Nov; 29(6):447–9

Diplopia and diabetes insipidus secondary to type II fracture of the sella turcica: case report. Leramo OB, et al. **Can J Surg** 1987 Jan;30(1):53–4

Deep orbital reconstruction for correction of post-traumatic enophthalmos. Manson PN, et al. **Clin Plast Surg** 1987 Jan; 14(1):113–21

Bilateral vocal cord paralysis after severe blunt head injury—a cause of failed extubation. Pfenninger J. **Crit Care Med** 1987 Jul;15(7):701–2

Stupor, stiff neck, and fever after closed-head injury. Cope D, et al. **Hosp Pract [Off]** 1987 Mar 30;22(3A):137–8

Posttraumatic epidural hygroma with associated subdural spinal fluid collection. Case report. Ambrosetto P, et al. **Ital J Neurol Sci** 1986 Oct;7(5):537–9

Traumatic cerebrospinal fluid leakage into the maxillary sinus. Wulfrank D, et al. **J Belge Radiol** 1986;69(6):441–2

Medial orbital wall blow-out fracture producing an acquired retraction syndrome. Gittinger JW Jr, et al. **J Clin Neuro Ophthalmol** 1986 Sep;6(3):153–6

Rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa. Diagnosis with water-soluble CT cisternography. Prère J, et al. **J Neuroradiol** 1986;13(4):278–85 **(Eng, Fre)**

The impact-absorbing effects of facial fractures in

closed-head injuries. An analysis of 210 patients. Lee KF, et al. **J Neurosurg** 1987 Apr;66(4):542–7
Leptomeningeal cyst of the posterior fossa. Case report. Nemoto S, et al. **J Neurosurg** 1986 Nov;65(5):704–5
Iatrogenic epidural hematoma complicating reduction of a zygomaticomaxillary complex fracture. Zachariades N, et al. **J Oral Maxillofac Surg** 1987 Jun;45(6):524–5
Late posttraumatic enophthalmos corrected by dense hydroxylapatite blocks. Zide MF.
J Oral Maxillofac Surg 1986 Oct;44(10):804–6
Isolated orbital roof fracture with traumatic encephalocele. Greenwald MJ, et al. **J Pediatr Ophthalmol Strabismus** 1987 May–Jun;24(3):141–4
Bilateral primary traumatic oculomotor nerve palsy. Kruger M, et al. **J Trauma** 1986 Dec;26(12):1151–3
Airway obstruction in LeFort fractures. Thompson JN, et al. **Laryngoscope** 1987 Mar;97(3 Pt 1):275–9
Growing fracture of the skull in the elderly [letter] Rahimizadeh A. **Neurosurgery** 1986 Oct;19(4):675–6
A case of amputation neuroma presenting proptosis. Okubo K, et al. **Ophthalmologica** 1987;194(1):5–8
The incidence of extraocular muscle and cranial nerve palsy in orbital floor blow-out fractures. Wojno TH.
Ophthalmology 1987 Jun;94(6):682–7
Bloody cerebrospinal fluid: traumatic tap or child abuse? Apolo JO. **Pediatr Emerg Care** 1987 Jun;3(2):93–5
Traumatic intraspinal pneumocele. Mangiardi JR, et al.
Surg Neurol 1987 Jun;27(6):587–8
Diphenylhydantoin induced granulocytopenia following a seizure prophylaxis after a depressed skull fracture. Gabl M, et al. **Zentralbl Neurochir** 1986;47(4):339–41
[Osteomeningeal breaks following orbital roof injury] Riss I, et al. **Bull Soc Ophtalmol Fr** 1986 Aug–Sep; 86(8–9):1095–9 (Fre)
[Prognosis of facial paralysis caused by fracture of the petrous bone] Laubert A, et al. **HNO** 1986 Oct;34(10):412–6 (Eng. Abstr.) (Ger)
[Echographic differential diagnosis of post-traumatic motility disorders of the eye] Nover A, et al.
Klin Monatsbl Augenheilkd 1986 Sep;189(3):206–8 (Eng. Abstr.) (Ger)
[Late sequelae following laterobasal fractures, therapeutic and forensic viewpoints] Feldmann H.
Laryngol Rhinol Otol (Stuttg) 1987 Feb;66(2):91–8 (Eng. Abstr.) (Ger)
[Otogenic extradural pneumatocele, 36 years after a gunshot injury] Strohm M, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jan;66(1):25–9 (Eng. Abstr.) (Ger)
[Post-traumatic amnesia in the evaluation of minor cranial injuries] Gentilini M, et al. **Riv Neurol** 1986 Jul–Aug; 56(4):250–7 (Eng. Abstr.) (Ita)
[Orbital roof fracture presenting exophthalmos and disorder of eye movement. Report of two cases] Anegawa S, et al. **Neurol Med Chir (Tokyo)** 1986 Dec;26(12):993–7 (Eng. Abstr.) (Jpn)
[Correction of reflex disorders in the acute period of combined cranio-cerebral injuries] Kuz'menko VV, et al. **Ortop Travmatol Protez** 1986 Oct;(10):40–5 (Eng. Abstr.) (Rus)

CONGENITAL

Spontaneous intrauterine depressed skull fractures. Abbassioun K, et al. **Childs Nerv Syst** 1986;2(3):153–6
[Congenital depressed skull fracture in the newborn. Case report] Kikuchi K, et al. **Neurol Med Chir (Tokyo)** 1987 Mar;27(3):229–32 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Surface coil MR imaging of orbital blowout fractures: a comparison with reformatted CT. Tonami H, et al.
AJNR 1987 May–Jun;8(3):445–9
An evaluation of open scalp wounds. Fullarton GM, et al.
Arch Emerg Med 1987 Mar;4(1):11–6
Magnetic resonance imaging in temporal bone fracture. Zimmerman RA, et al. **Neuroradiology** 1987;29(3):246–51
[Frontobasal trauma—diagnosis and treatment course. Round table conference] **Fortschr Kiefer Gesichtschir** 1987; 32:209–37 (Ger)
[Ultrasonic diagnosis of fractures of the bony orbit] Rochels R. **Fortschr Kiefer Gesichtschir** 1987;32:144–7 (Ger)
[Current status of the diagnosis and treatment of laterobasal skull fractures] Crote W, et al. **HNO** 1986 Dec; 34(12):496–502 (Eng. Abstr.) (Ger)
[Echographic diagnosis in injuries of the paranasal sinuses] Bleier R, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug; 65(8):423–6 (Eng. Abstr.) (Ger)
[Depressed skull fractures in children] Mohsenipour I, et al. **Unfallchirurg** 1987 Jan;90(1):27–33 (Eng. Abstr.) (Ger)
[Otobasal skull fractures—a catamnestic study] Müller R, et al. **Z Arztl Fortbild (Jena)** 1987;81(3):127–9 (Ger)
[Fractures of the middle third of the facial mass. Statistics and considerations on emergency diagnosis] Grulliero A, et al. **Minerva Stomatol** 1987 Mar;36(3):179–82 (Eng. Abstr.) (Ita)
[Clinico-statistical study of 344 cases of fractures of the orbit-maxilla-zygoma complex] Moniaci D, et al.
Minerva Stomatol 1987 Apr;36(4):309–14 (Eng. Abstr.) (Ita)
[Prediction of various categories of recovery in craniocerebral injuries and the informative value of clinical signs] Mamadaliev AM, et al. **Zh Nevropatol Psikhiatr** 1987; 87(5):654–60 (Eng. Abstr.) (Rus)

DRUG THERAPY

Prophylactic antibiotics in the treatment of fractures at the base of the skull. Zrebeet HA, et al. **Del Med J** 1986 Nov; 58(11):741–8

ETIOLOGY

Blowout fracture of the orbital floor with entrapment caused by isolated trauma to the orbital rim. Kersten RC.
Am J Ophthalmol 1987 Feb 15;103(2):215–20
An unusual case of bull gore injury. Singh RI, et al.
Aust N Z J Ophthalmol 1986 Nov;14(4):377–9
Fetal skull fracture and brain injury after a maternal automobile accident. A case report. Bowdler N, et al.
J Reprod Med 1987 May;32(5):375–8
Lawn dart injury in children: report of two cases. Hanigan WC, et al. **Pediatr Emerg Care** 1986 Dec;2(4):247–9
Rooster attacks on children. Preiser G, et al. **Pediatrics** 1987 Mar;79(3):426–7
[Depressed skull fractures in the newborn. Possibility of subjacent cerebral lesions] Giroud M, et al.
Ann Pediatr (Paris) 1987 Jun;34(6):417–22 (Eng. Abstr.) (Fre)
[A review on facial fractures] Pons J, et al.
Rev Stomatol Chir Maxillofac 1986;87(4):212–7 (32 ref.) (Eng. Abstr.) (Fre)

IMMUNOLOGY

Unusual anaphylatoxin dynamics after head injury—case report. Moskopp D, et al. **Neurochirurgia (Stuttg)** 1986 Sep; 29(5):203–5

OCCURRENCE

Facial fractures in children. Carroll MJ, et al. **Br Dent J** 1987 Jul 11;163(1):23–6
Acute head injuries in children in Ibadan, Nigeria. Adeloye A, et al. **Childs Nerv Syst** 1986;2(6):309–13
[Dento-maxillo-facial traumatology in childhood. Clinico-statistical contribution] Borgogna E, et al.
Minerva Stomatol 1987 Mar;36(3):183–5 (Eng. Abstr.) (Ita)

PATHOLOGY

Spontaneous reduction of a closed depressed skull fracture: a case report. Cozzens JW, et al. **Neurosurgery** 1987 May; 20(5):771–3
[Fracture of the skull with progressive enlargement in the small child] Lamesch AJ, et al.
Bull Soc Sci Med Grand Duche Luxemb 1987;124 Spec No:276–82 (Fre)
[Priority of multiple gunshot injuries of the skull] Madea B, et al. **Z Rechtsmed** 1986;97(3):213–8 (Eng. Abstr.) (Ger)
[Stab injuries of the skull and brain] Ritter C, et al.
Z Rechtsmed 1986;96(3):229–34 (Eng. Abstr.) (Ger)
[Predilection sites of infantile skull fractures following blunt force] Weber W. **Z Rechtsmed** 1987;98(2):81–93 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Orofacial skeleton firmness as the basis of the mechanical theory of fracture in shock effect. Keros J, et al.
Acta Med Iugosl 1986;40(4):249–62
Skull fractures in children: their assessment in relation to developmental skull changes and acute intracranial hematomas. Mann KS, et al. **Childs Nerv Syst** 1986; 2(5):258–61

RADIOGRAPHY

Radiographic characteristics of skull fractures resulting from child abuse. Meservy CJ, et al. **AJR** 1987 Jul;149(1):173–5
Direct CT demonstration suggesting oculomotor nerve avulsion following minor head trauma: case report. Asari S, et al. **Comput Radiol** 1987 May–Jun;11(3):131–4
High resolution CT scan of temporal bone fractures: association of facial nerve paralysis with temporal bone fractures. Aguilar EA 3d, et al. **Head Neck Surg** 1987 Jan–Feb;9(3):162–6
Craniofacial fractures and brain injuries. Bracard S, et al.
J Neuroradiol 1986;13(4):265–77 (Eng, Fre)
Contribution of computerized tomography to the radiological study of craniofacial injuries. 34 cases. Halimi P, et al.
J Neuroradiol 1986;13(4):253–64 (Eng, Fre)
Computerized tomography CT in orbito-frontal injuries. Zouaoui A, et al. **J Neuroradiol** 1986;13(4):291–304 (Eng, Fre)
Radiological evaluation of mid-third facial fractures. Robbins KT, et al. **J Otolaryngol** 1986 Dec;15(6):366–72
Skull X-rays after head injury [letter] **Lancet** 1987 Apr 25; 1(8539):975–6
Injuries of the nasofrontal orifices in frontal sinus fractures. Stanley RB Jr, et al. **Laryngoscope** 1987 Jun;97(6):728–31
Three dimensional CT reconstruction for the evaluation and surgical planning of facial fractures. Koltai PJ, et al.
Otolaryngol Head Neck Surg 1986 Jul;95(1):10–5
The role of direct multiplanar high resolution CT in the assessment and management of orbital trauma. Koornneef L, et al. **Radiol Clin North Am** 1987 Jul;25(4):753–66
Nasofrontal duct: CT in frontal sinus trauma. Harris L, et al. **Radiology** 1987 Oct;165(1):195–8
Value of high-resolution computed tomography in diagnosis of petrous bone fracture. Yamaki T, et al. **Surg Neurol** 1986 Dec;26(6):551–6
[Computed tomographic examination in orbitofacial injuries] Zouaoui A, et al. **Rev Stomatol Chir Maxillofac** 1986; 87(5):306–10 (Eng. Abstr.) (Fre)
[Comparative studies of computed tomographic findings and the operation site in frontobasal fractures] Vajda L, et al.
Fortschr Kiefer Gesichtschir 1987;32:80–2 (Ger)
[Significance of computerized tomography in the diagnosis and therapy of orbital floor fractures with motility disorders] Schildwächter A, et al. **Fortschr Ophthalmol** 1987;84(2):209–11 (Eng. Abstr.) (Ger)
[Roentgen diagnosis of midfacial fractures] Litwan M, et al.
Radiologe 1986 Sep;26(9):421–6 (Eng. Abstr.) (Ger)
[Possibilities of high resolution computer tomography in the diagnosis of injuries of the facial skull] Nahser HC, et al.
Radiologe 1986 Sep;26(9):412–5 (Eng. Abstr.) (Ger)
[Is the general cranial image following minor head injuries unnecessary?] Fuchs R, et al. **Z Arztl Fortbild (Jena)** 1986; 80(15):612–7 (Ger)
[Fracture of the occipital condyle. Case description and review of the literature] Höllerhage HG, et al.
Zentralbl Neurochir 1986;47(3):250–8 (Eng. Abstr.) (Ger)
[Forensic implications of emergency skull radiographies (letter)] Csatai T. **Orv Hetil** 1987 Jan 11;128(2):118–9 (Hun)

RADIOTHERAPY

Direct oblique sagittal CT of orbital wall fractures. Ball JB Jr. **AJR** 1987 Mar;148(3):601–8

SURGERY

Craniofacial surgery for trauma. Lauritzen C, et al.
Acta Neurochir [Suppl] (Wien) 1986;36:147–50
Frontal sinus fractures. Analysis of treatment results. Duvall AJ 3d, et al. **Arch Otolaryngol Head Neck Surg** 1987 Sep; 113(9):933–5
Fixation of bone fragments with BIOCEM. First observations on humans. Vuillemin T, et al.
Arch Otolaryngol Head Neck Surg 1987 Aug;113(8):836–40
Early aggressive treatment of nasal fractures [letter] Clark WD, et al. **Ear Nose Throat J** 1986 Oct;65(10):481–3
Acrylic frontal cranioplasty. Remsen K, et al.
Head Neck Surg 1986 Sep–Oct;9(1):32–41 (80 ref.)
Reconstruction of orbital defects with autogenous bone from mandibular symphysis. Bagatin M.
J Craniomaxillofac Surg 1987 Apr;15(2):103–5
Secondary post-traumatic periorbital surgery. Incidence and results. Freihofer HP, et al. **J Craniomaxillofac Surg** 1987 Aug;15(4):183–7
Management of simple depressed skull fractures in children. Steinbok P, et al. **J Neurosurg** 1987 Apr;66(4):506–10
Late reaction to silicone following reconstruction of an orbital floor fracture. Sewall SR, et al.
J Oral Maxillofac Surg 1986 Oct;44(10):821–5
Combined otolaryngological and neurosurgical approach in treating sinus fractures. Denneny JC 3d, et al.
Laryngoscope 1987 May;97(5):633–7
Absorbable gelatin film verses silicone rubber sheeting in orbital fracture treatment. Parkin JL, et al.
Laryngoscope 1987 Jan;97(1):1–3
Inferior fornix incision for orbital rim and floor fractures. Shemen LJ, et al. **Laryngoscope** 1986 Oct;96(10):1164–7
Treatment of blow-out fracture. Kobayashi H, et al.
Neurol Res 1986 Dec;8(4):221–4
Transclival penetrating injury. Miller P, et al.
Neurosurgery 1987 Jul;21(1):92–4
Lid crease approach for medial wall fracture repair. Katowitz JA, et al. **Ophthalmic Surg** 1987 Apr;18(4):288–90
Cyanoacrylate tissue adhesive in securing orbital implants. Tse DT. **Ophthalmic Surg** 1986 Sep;17(9):577–80
Lacrimal intubation in the primary repair of midfacial fractures. Harris GJ, et al. **Ophthalmology** 1987 Mar; 94(3):242–7
Dacryocystitis. Late complication of orbital floor fracture repair with implant. Mauriello JA Jr, et al.
Ophthalmology 1987 Mar;94(3):248–50
Evaluation and treatment of frontal sinus fractures. Levine SB, et al. **Otolaryngol Head Neck Surg** 1986 Jul;95(1):19–22
Calvarial bone grafting of facial defects. Maves MD, et al.
Otolaryngol Head Neck Surg 1986 Nov;95(4):464–70
Single eyelid incision for exposure of the zygomatic bone and orbital reconstruction. Manson PN, et al.
Plast Reconstr Surg 1987 Jan;79(1):120–6
The use of Teflon in orbital floor reconstruction following blunt facial trauma: a 20-year experience. Polley JW, et al. **Plast Reconstr Surg** 1987 Jan;79(1):39–43
Gunshot wounds of the skull. Rosegay H, et al.
Unfallchirurg 1986 Nov;89(11):491–8
[Orbitomaxillomalar fractures] Piette E, et al.
Ann Chir Plast Esthet 1987;32(2):112–23 (Eng. Abstr.) (Fre)
[Insufficiency of the lower rectus muscle after fracture of the operated on orbital floor] Morax S, et al.
Bull Soc Ophtalmol Fr 1985 Dec;85(12):1295–7 (Fre)
[Diagnostic and therapeutic problems of osteomeningeal defects and traumatic cerebrospinal fluid defects of the anterior floor of the base of the skull. Apropos of 95 cases] Chabannes J, et al. **Neurochirurgie** 1987;33(2):112–7 (Eng.

Abstr.) (Fre)
[Cranial traumatology. Recent statistical data] Djindjian M, et al. **Presse Med** 1987 May 30;16(20):991–4 (Eng. Abstr.) (Fre)
[Pediatric skull fractures] Gabl M, et al. **Aktuel Traumatol** 1987 Apr;17(2):80–5 (Eng. Abstr.) (Ger)
[Recommendation for analytically based construction of an osteosynthesis miniplate made of titanium] Heinl T, et al. **Biomed Tech (Berlin)** 1986 Dec;31(12):303–7 (Eng. Abstr.) (Ger)
[Penetrating craniocerebral injuries] Grumme T, et al. **Chirurg** 1986 Nov;57(11):674–8 (Ger)
[Fractures of the central midface and frontal skull base—surgical management—postoperative care—possibility of complications] Brunner FX, et al. **HNO** 1987 Mar;35(3):106–11 (Eng. Abstr.) (Ger)
[Results of surgically and conservatively treated cases of traumatic optic nerve lesions] Funder J, et al. **Klin Monatsbl Augenheilkd** 1986 Nov;189(5):421–2 (Eng. Abstr.) (Ger)
[Support of an unusual orbital fracture by 2 balloons] Roggenkämper P, et al. **Klin Monatsbl Augenheilkd** 1986 Aug;189(2):164–6 (Eng. Abstr.) (Ger)
[Osteosynthesis in cranial and midfacial skull fractures] Haug H, et al. **Laryngol Rhinol Otol (Stuttg)** 1986 Aug; 65(8):427–31 (Eng. Abstr.) (Ger)
[Surgery of facial paralysis in fractures of the petrous bone] Reck R, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 May; 66(5):251–4 (Eng. Abstr.) (Ger)
[Approach in osteosynthesis of the middle and upper face using extracranial frontobasal revision] Richter WC. **Laryngol Rhinol Otol (Stuttg)** 1987 May;66(5):260–5 (Eng. Abstr.) (Ger)
[A rare case of a gunshot injury of the head] Wozasek GE, et al. **Unfallchirurg** 1986 Nov;89(11):521–3 (Eng. Abstr.) (Ger)
[Mycoplasma etiology of acute pancreatitis] Handrick W, et al. **Z Gesamte Inn Med** 1986 Nov 1;41(21):611–2 (Eng. Abstr.) (Ger)
[An unusual gunshot injury] Scharfe U. **Zentralbl Chir** 1987; 112(2):124–6 (Ger)
[Fracture of the floor of the anterior cranial fossa and the sella turcica, and successful repair of the cerebrospinal fluid fistula with fibrin glue. Case report] Suzuki R, et al. **Neurol Med Chir (Tokyo)** 1986 May;26(5):420–5 (Eng. Abstr.) (Jpn)
[Surgical treatment of the upper third facial fractures] Tajima S. **No Shinkei Geka** 1986 Dec;14(13):1529–36 (Jpn)
[Features of the surgical treatment of severe craniocerebral injuries in patients with arterial hypertension] Pedachenko EG. **Klin Khir** 1986;(12):26–8 (Eng. Abstr.) (Rus)
[Osteosynthesis of the orbit] Zajc I. **Chir Maxillofac Plast** 1986;16(1–2):17–20 (Eng. Abstr.) (Ser)

THERAPY

Conservative treatment of orbital roof blow-in fracture. Bolling JP, et al. **Ann Ophthalmol** 1987 Feb;19(2):75–6
Midline depressed fractures of the skull. Retnam KR, et al. **J Indian Med Assoc** 1986 Sep;84(9):271–2
Simplification of arch-bar application. Dierks EJ, et al. **Laryngoscope** 1987 May;97(5):641
[Fractures of the facial bones in children and their treatment] Ramba J. **Rozhl Chir** 1986 Dec;65(12):818–23 (Eng. Abstr.) (Cze)

SKULL NEOPLASMS

Cementifying fibroma of the frontal bone. Bhatia PL, et al. **J Laryngol Otol** 1987 Feb;101(2):191–4
Malignant fibrous histiocytoma of the clivus: case report. Cook BR, et al. **Neurosurgery** 1987 Apr;20(4):632–5
[Histiocytosis X of the temporal bone in children] Jakubíková J, et al. **Cesk Otolaryngol** 1987 Mar;36(2):70–4 (Eng. Abstr.) (Slo)

CLASSIFICATION

So called "fibro-osseous lesions" of tumorous origin. Biology confronts terminology. Makek MS. **J Craniomaxillofac Surg** 1987 Jun;15(3):154–67

COMPLICATIONS

Acute, severe, symmetric visual loss with cecocentral scotomas due to olfactory groove meningioma. Slavin ML. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):224–7
Resolution of optociliary shunt vessels. Tyson SL, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):205–8
Clivus chordoma in a child with tuberous sclerosis: CT and MR demonstration. Schroeder BA, et al. **J Comput Assist Tomogr** 1987 Jan–Feb;11(1):195–6
Giant osteoma of the cranial vault with acromegaly and hydrocephalus. A case report. Corriero G, et al. **J Neurosurg Sci** 1985 Oct–Dec;29(4):331–4
Parasellar chondromyxofibroma with ipsilateral total internal carotid artery occlusion. Viswanathan R, et al. **Surg Neurol** 1987 Aug;28(2):141–4

CONGENITAL

Paraganglioma of the temporal bone in infancy. A congenital lesion? Choa DI, et al. **Arch Otolaryngol Head Neck Surg** 1987 Apr;113(4):421–4
Intradiploic epidermoid cyst of the sphenoid wing. White AK, et al. **Arch Otolaryngol Head Neck Surg** 1987 Sep; 113(9):995–9
Congenital dermoid cysts of the anterior fontanelle in Chinese children. Wong TT, et al. **Childs Nerv Syst** 1986;2(4):175–8

DIAGNOSIS

Sphenoid ridge meningioma masquerading as Graves' orbitopathy. Reifler DM, et al. **Arch Ophthalmol** 1986 Nov; 104(11):1591
Extracranial chondroma of the skull base. Ikeda K, et al. **Arch Otorhinolaryngol** 1987;243(6):424–8
Chondrosarcoma of the temporal bone. Diagnosis and treatment of 13 cases and review of the literature. Coltrera MD, et al. **Cancer** 1986 Dec 15;58(12):2689–96
Desmoplastic fibroma of parietal bone simulating eosinophilic granuloma. Case report. Hufnagel TJ, et al. **J Neurosurg** 1987 Sep;67(3):449–51
American Burkitt's lymphoma of the mastoid. Welling DB, et al. **Laryngoscope** 1987 Sep;97(9):1038–42
Cranial metastases from prostate cancer simulating meningioma: report of two cases and review of the literature. Lippman SM, et al. **Neurosurgery** 1986 Nov; 19(5):820–3
Nonsquamous tumors of the nose and paranasal sinuses. Hill JH, et al. **Otolaryngol Clin North Am** 1986 Nov; 19(4):723–39 (57 ref.)
MR imaging of the nasopharynx and floor of the middle cranial fossa. Part II. Malignant tumors. Teresi LM, et al. **Radiology** 1987 Sep;164(3):817–21
Benign osteoblastoma of the temporal bone of an infant. Miyazaki S, et al. **Surg Neurol** 1987 Mar;27(3):277–83
[Isolated sphenoidal tumor localization in a child, disclosing histiocytosis X] Thiebot J, et al. **J Radiol** 1987 Apr; 68(4):309–11 (Eng. Abstr.) (Fre)
[Diagnostic imaging of head and neck tumors. Tumors arising from and adjacent to the temporal bone] Nemoto Y, et al. **Rinsho Hoshasen** 1987 May;32(5):565–73 (Eng. Abstr.) (Jpn)
[A case of craniofacial lipoma] Chmielarski A. **Wiad Lek** 1986 Jun 15;39(12):851–4 (Eng. Abstr.) (Pol)
[Infratentorial malignant neurinoma: report of a case] Borges G, et al. **Arq Neuropsiquiatr** 1986 Jun;44(2):206–9 (Eng. Abstr.) (Por)
[Osteomas. Presentation of 26 cases. II. Differential diagnosis] Gil-Carcedo LM, et al. **An Otorrinolaringol Ibero Am** 1987; 14(3):285–303 (Eng. Abstr.) (Spa)

ETIOLOGY

[Primary B cell lymphoma of the skull following head trauma; a case report] Tagawa M, et al. **Rinsho Ketsueki** 1987 Apr;28(4):589–93 (Eng. Abstr.) (Jpn)

FAMILIAL & GENETIC

[Experience in the clinico-genetic examination of patients with juvenile angiofibroma of the base of the skull] Aniutin RG, et al. **Vestn Otorinolaringol** 1986 Sep–Oct;(5):63–7 (Eng. Abstr.) (Rus)

OCCURRENCE

Primary adenocarcinoma of the middle ear and temporal bone. Glasscock ME 3d, et al. **Arch Otolaryngol Head Neck Surg** 1987 Aug;113(8):822–4

PATHOLOGY

Ewing's sarcoma: fine needle aspiration diagnosis of a tumor arising in the skull [letter] Jayaram G, et al. **Acta Cytol (Baltimore)** 1986 Sep–Oct;30(5):553–4
Malignant fibrous histiocytoma of the pericranium: case report. Dyck P. **Acta Neurochir (Wien)** 1987;86(1–2):61–4
Infantile myofibromatosis. Report of two cases. Mizobuchi K, et al. **Acta Pathol Jpn** 1986 Sep;36(9):1411–8
Temporomandibular joint chondromatosis with intracranial extension: MR and CT contributions. Nokes SR, et al. **AJR** 1987 Jun;148(6):1173–4
Chondroblastoma of the skull and facial bones. Bertoni F, et al. **Am J Clin Pathol** 1987 Jul;88(1):1–9
Follicular tumor in the sellar region without primary cancer of the thyroid. Heterotopic carcinoma? Ruchti C, et al. **Am J Clin Pathol** 1987 Jun;87(6):776–80
Intraosseous capillary hemangioma of the frontal bone. Hook SR, et al. **Am J Ophthalmol** 1987 Jun 15;103(6):824–7
Fibrosarcoma of the ethmoid bone. Hasan SA, et al. **Ear Nose Throat J** 1987 Apr;66(4):163–5
Solid glomus tumor of the pterygoid fossa: a lesion mimicking an epithelial neoplasm of low-grade malignancy. Harvey JA, et al. **Hum Pathol** 1987 Sep;18(9):965–6
Giant-cell tumor of the middle cranial fossa. Case report. Findlay JM, et al. **J Neurosurg** 1987 Jun;66(6):924–8
Spontaneous penetration of dura mater and bone by glioblastoma multiforme. Shuangshoti S, et al. **J Surg Oncol** 1987 Sep;36(1):36–44
A case of ossifying fibroma of the parietal bone. Kobayashi S, et al. **Kurume Med J** 1986;33(1):43–9
Rhabdomyosarcoma of the head and neck in children: the experience at the Children's Hospital of Philadelphia [clinical conference] Months SR, et al. **Med Pediatr Oncol** 1986;14(5):288–92
Mucoepidermoid carcinoma with calcifications. Siar CH, et al. **Oral Surg Oral Med Oral Pathol** 1987 Apr;63(4):468–71
Poorly differentiated fibrosarcoma (spindle cell sarcoma) involving the temporal bone. Yoshihara T, et al. **ORL J Otorhinolaryngol Relat Spec** 1986;48(5):249–55
Chondromyxoid fibroma of the petrous-sphenoid junction. Frank E, et al. **Surg Neurol** 1987 Feb;27(2):182–6
[Morphometric study of collagen and bone tissue in fibrous dysplasia and ossifying fibroma] Boisnic S, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):8–9 (Eng. Abstr.) (Fre)
[Fibrous dysplasia and ossifying fibroma. Morphologic criteria] Chomette G, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):1–7 (Eng. Abstr.) (Fre)
[Bone tumors of the jaw and face. Sources of error and problems in diagnosis and classification] Burkhardt A. **Pathologe** 1987 Jan;8(1):9–19 (Ger)
[Chondroid chordoma with parasellar extension. Case report] Kawamura S, et al. **Neurol Med Chir (Tokyo)** 1987 Mar; 27(3):218–23 (Eng. Abstr.) (Jpn)
[Cavernous hemangioma of the frontal bone] Shinno K, et al. **No Shinkei Geka** 1986 Sep;14(10):1231–5 (Eng. Abstr.) (Jpn)
[A case of multiple myeloma showing intracranial hypertension due to large cranial mass lesions] Sugita K, et al. **No To Shinkei** 1986 Jul;38(7):625–9 (Eng. Abstr.) (Jpn)
[Clinico-morphological characteristics of a juvenile angiofibroma of the base of the skull] Aniutin RG, et al. **Arkh Patol** 1987;49(4):31–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Squamous cell carcinoma of the pterygopalatine fossa (retroantral space). Slavin ML, et al. **J Clin Neuro Ophthalmol** 1986 Dec;6(4):254–7
Posterior fossa haemangioblastomas in Northern Ireland: a clinico-epidemiological study. Chee CP, et al. **Ulster Med J** 1986 Oct;55(2):165–71

RADIOGRAPHY

Osteomas of the temporal bone: a report of three cases. Beale DJ, et al. **Clin Radiol** 1987 Jan;38(1):67–9
Unusual osteoblastoma of the skull. Braendli AF, et al. **Helv Paediatr Acta** 1987 Mar;41(6):505–8
Osteoma of the lateral pterygoid plate of the sphenoid bone. Ishikawa T, et al. **Int J Oral Maxillofac Surg** 1986 Dec; 15(6):786–9
Ewing sarcoma of the temporal bone: CT appearance. Carroll R, et al. **J Comput Assist Tomogr** 1987 Mar–Apr; 11(2):362–3
Intraosseous petrous apex neuroma: CT findings. Solodnik P, et al. **J Comput Assist Tomogr** 1986 Nov–Dec; 10(6):1027–9
Chondroblastoma of temporal bone. Tanohata K, et al. **Neuroradiology** 1986;28(4):367–70
Primary adenocarcinoma of the temporal bone mimicking paragangliomas: radiographic and clinical recognition. Goebel JA, et al. **Otolaryngol Head Neck Surg** 1987 Mar; 96(3):231–8
"Ossifying" hemangiomas of the temporal bone: evaluation with CT. Curtin HD, et al. **Radiology** 1987 Sep; 164(3):831–5
An efficacy lesson for medical radiologists from our dental colleagues [editorial] Evens RG. **Radiology** 1987 Mar; 162(3):873
Dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients. Zeichner SJ, et al. **Radiology** 1987 Mar;162(3):691–5
Case report 420: Parosteal osteosarcoma. Marks MP, et al. **Skeletal Radiol** 1987;16(3):246–51
Craniopharyngioma of the cranial base and nasopharynx. Maiuri F, et al. **Surg Neurol** 1987 Feb;27(2):191–4
[Pulse synchronous vascular tinnitus: radiologic diagnosis and therapy] Hofmann E, et al. **HNO** 1987 May;35(5):211–8 (Eng. Abstr.) (Ger)
[Tumors of the facial nerve canal] Müller W, et al. **Radiologe** 1986 Nov;26(11):523–5 (Eng. Abstr.) (Ger)
[Basal cell nevus syndrome in roentgen diagnosis of the skull] Stoll P, et al. **Radiologe** 1986 Sep;26(9):442–5 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Non-Hodgkin's lymphoma. Moreno AJ, et al. **Clin Nucl Med** 1986 Nov;11(11):801–2
[Possibilities and limitations of bone scintigraphy in the diagnosis of tumors of the midfacial area] Deitmer T, et al. **Fortschr Kiefer Gesichtschir** 1987;32:182–3 (Ger)

RADIOTHERAPY

Paget's sarcoma of the skull—a long term survivor with radiotherapy. Khor TH, et al. **Australas Radiol** 1986 May; 30(2):121–3
Radiation therapy of hemangioendotheliomas [letter] Chedid MK, et al. **Neurosurgery** 1987 Jun;20(6):995–6
Brachytherapy of recurrent tumors of the skull base and spine with iodine-125 sources. Gutin PH, et al. **Neurosurgery** 1987 Jun;20(6):938–45
[Radiotherapy of chemodectoma of the temporal bone area] Kawecki A, et al. **Nowotwory** 1986 Apr–Jun;36(2):147–53 (Eng. Abstr.) (Pol)

SECONDARY

Concentric enlargement of the optic canal due to metastatic carcinoma of the breast. Butler P, et al. **Br J Radiol** 1985 Aug;58(692):766–7

The diagnosis of skull base metastases by radionuclide bone scan. Brillman J, et al. **Cancer** 1987 Jun 1;59(11):1887–91

Thyrotoxicosis caused by functioning metastatic thyroid carcinoma. A rare and elusive cause of hyperthyroidism with low radioactive iodine uptake. Ober KP, et al. **Clin Nucl Med** 1987 May;12(5):345–8

Solitary late recurrence of renal cell carcinoma. Takatera H, et al. **J Urol** 1986 Oct;136(4):799–800

Secondary malignancies involving parasellar region: clinical manifestations, diagnosis and management in 16 patients. Bitoh S, et al. **Med J Osaka Univ** 1985 Sep;36(1–2):17–27

Endometrial stromal sarcoma metastatic to the skull—case report. Date I, et al. **Neurol Med Chir (Tokyo)** 1986 Jul; 26(7):571–4

Malignant melanoma metastatic to sphenoid bone with an unknown primary origin: report of a case with an immunohistochemical analysis of the infiltrating lymphocytes. Yamasaki T, et al. **Neurosurgery** 1987 Jul; 21(1):73–7

Metastatic Ewing's sarcoma to the skull: CNS involvement excluded by MRI. Taets ven Amerongen AH, et al. **Pediatr Radiol** 1987;17(3):242–3

[Metastatic lesion in the temporal bone] Doménech Oliva J, et al. **An Otorrinolaringol Ibero Am** 1987;14(2):129–36 (Eng. Abstr.) **(Spa)**

SECRETION

Catecholamine-secreting paragangliomas of the base of the skull. Report of two cases. Matishak MZ, et al. **J Neurosurg** 1987 Apr;66(4):604–8

SURGERY

Skull base chordoma with cavernous sinus involvement. Partial or radical tumour-removal? Arnold H, et al. **Acta Neurochir (Wien)** 1986;83(1–2):31–7

Craniofacial reconstruction after tumor resections using vascularized outer table calvarial bone flaps. Grotting JC, et al. **Am J Surg** 1986 Oct;152(4):438–41

Spontaneous subdural hygromas: a complication following craniofacial surgery. Rosen HM, et al. **Ann Plast Surg** 1987 Mar;18(3):245–7

Intraosseous lipoma of the skull: a report of two cases. Yasuda Y, et al. **Ann Plast Surg** 1987 Jan;18(1):74–80

Treatment of malignant cranio-orbital tumors. Rosen HM. **Clin Plast Surg** 1987 Jan;14(1):137–42

Acrylic frontal cranioplasty. Remsen K, et al. **Head Neck Surg** 1986 Sep–Oct;9(1):32–41 (80 ref.)

Preauricular approach to infratemporal fossa. Wetmore SJ, et al. **Head Neck Surg** 1986 Nov–Dec;9(2):93–103

Irresectable tumours of the temporal bone. Quiney RE, et al. **J Laryngol Otol** 1987 May;101(5):432–42

Nursing management of the patient with total en bloc resection of the temporal bone. Brown JG, et al. **J Neurosci Nurs** 1986 Dec;18(6):349–53

A combined neurilemmoma and angioma of the parasellar region. Case report. Kasantikul V, et al. **J Neurosurg** 1987 Aug;67(2):307–11

Cylindromas of the base of the skull. Report of four cases. Vincentelli F, et al. **J Neurosurg** 1986 Dec;65(6):856–9

Malignancies of the external ear canal and temporal bone: surgical techniques and results. Kinney SE, et al. **Laryngoscope** 1987 Feb;97(2):158–64

Benign osteoblastoma of the clivus removed by a transoral approach: case report. Di Lorenzo N, et al. **Neurosurgery** 1987 Jan;20(1):52–5

Intranasal schwannoma with extension into the intracranial compartment: case report. Zovickian J, et al. **Neurosurgery** 1986 Nov;19(5):813–5

Free rectus abdominis muscle flap reconstruction of the middle and posterior cranial base. Jones NF, et al. **Plast Reconstr Surg** 1986 Oct;78(4):471–9

Facial disassembly for tumor resection. Lauritzen C, et al. **Scand J Plast Reconstr Surg** 1986;20(2):201–6

[Total ethmoidectomy by frontal and transmaxillary approach] Desaulty A, et al. **Ann Otolaryngol Chir Cervicofac** 1987;104(1):29–36 (Eng. Abstr.) **(Fre)**

[New technic for intranasal cover of bone grafts after excision of ethmoidofrontal tumors] Czorny A, et al. **Neurochirurgie** 1987;33(1):84–6 (Eng. Abstr.) **(Fre)**

[Various cases of ossifying fibroma and cranio-maxillofacial fibrous dysplasia] Jammet P, et al. **Rev Stomatol Chir Maxillofac** 1987;88(1):10–4 (Eng. Abstr.) **(Fre)**

[Extensive recurrent basalioma of the pinna with infiltration of the temporal bone—radical surgical removal of the tumor and primary defect repair (a case report)] Grasl MC, et al. **Laryngol Rhinol Otol (Stuttg)** 1987 Jun;66(6):344–7 (Eng. Abstr.) **(Ger)**

[Large extracerebral cavernous angioma in the middle cranial fossa. Case report] Koba T, et al. **Neurol Med Chir (Tokyo)** 1987 Mar;27(3):208–13 (22 ref.) (Eng. Abstr.) **(Jpn)**

[Osteoma. Presentation of 26 cases. III. Indication. Treatment] Gil-Carcedo LM, et al. **An Otorrinolaringol Ibero Am** 1987;14(4):369–87 (Eng. Abstr.) **(Spa)**

THERAPY

Craniocervical chordomas in the Mersey Region (a ten-year experience). Ataya NL. **J Laryngol Otol** 1986 Dec; 100(12):1391–5

VETERINARY

Cranio-facial tumours of mixed cartilage and bone in koalas (Phascolarctos cinereus). Canfield PJ, et al. **Aust Vet J** 1987 Jan;64(1):20–2

SKUNKS see under **CARNIVORA**

SLAUGHTERHOUSES see **ABATTOIRS**

SLEEP

Sleeping and dreams in learning-disabled boys. Hilakivi L. **Acta Psychiatr Scand** 1987 Jul;76(1):103–5

Dehydration of hydrogel lenses during overnight wear. Brennan NA, et al. **Am J Optom Physiol Opt** 1987 Jul; 64(7):534–9

Diurnal variation of intraocular pressure and the overriding effects of sleep. Frampton P, et al. **Am J Optom Physiol Opt** 1987 Jan;64(1):54–61

Sedative or antimanic effects of carbamazepine and treatment of behavioral dyscontrol [letter] Greenberg WM. **Am J Psychiatry** 1986 Nov;143(11):1486–7

Sudden death in sleep of Laotian-Hmong refugees in Thailand: a case-control study. Munger RG. **Am J Public Health** 1987 Sep;77(9):1187–90

Use of midazolam infusion for sedation following cardiac surgery. Westphal LM, et al. **Anesthesiology** 1987 Aug; 67(2):257–62

An empirical test of Maslow's theory of need hierarchy using hologeistic comparison by statistical sampling. Davis-Sharts J. **ANS** 1986 Oct;9(1):58–72

Cafeteria diet promotes sleep in rats. Danguir J. **Appetite** 1987 Feb;8(1):49–53

1986 Stewart memorial lecture. Sleep and wakefulness of the airline pilot. Nicholson AN. **Aviat Space Environ Med** 1987 May;58(5):395–401

Locus of control in short and long sleepers. Kumar A, et al. **Br J Psychiatry** 1986 Jun;148:739–40

Murdering while asleep [letter] Ur A. **Br Med J [Clin Res]** 1986 Nov 1;293(6555):1172

Toothbrushing frequency in relation to family size and bedtimes in English schoolchildren. Macgregor ID, et al. **Community Dent Oral Epidemiol** 1987 Aug;15(4):181–3

Sleep and sleep disorders. Symposium organized by the South-East European Society for Neurology and Psychiatry. Baden/Vienna (Austria), April 19–20, 1985. **Eur Neurol** 1986;25 Suppl 2:1–157

Antidepressant effects of the sleep/wake cycle phase advance. Preliminary report. Souêtre E, et al. **J Affective Disord** 1987 Jan–Feb;12(1):41–6

Two-year follow-up of elderly patients with mixed depression and dementia. Clinical and electroencephalographic sleep findings. Reynolds CF 3d, et al. **J Am Geriatr Soc** 1986 Nov;34(11):793–9

Fetal breathing, sleep state, and cardiovascular responses to graded hypoxia in sheep. Koos BJ, et al. **J Appl Physiol** 1987 Mar;62(3):1033–9

Respiratory muscle interaction during NREM sleep in patients with occlusive apnea. Onal E, et al. **J Appl Physiol** 1986 Nov;61(5):1891–5

Effect of hypoxia-induced periodic breathing on upper airway obstruction during sleep. Warner G, et al. **J Appl Physiol** 1987 Jun;62(6):2201–11

Sleep: theory and practice in the late Renaissance. Dannenfeldt KH. **J Hist Med Allied Sci** 1986 Oct; 41(4):415–41

The sleep-wear syndrome. Colquitt T. **J Prosthet Dent** 1987 Jan;57(1):33–41

Nocturnal electromyographic evaluation of masseter muscle activity in the complete denture patient. von Gonten AS, et al. **J Prosthet Dent** 1986 Nov;56(5):624–9

Proceedings for the 11th meeting of the Japanese Society of Sleep Research. June 6–7, 1986, Akita. Abstracts. **Jpn J Psychiatry Neurol** 1987 Mar;41(1):105–41

Sleep after transmeridian flights [letter] Binnie GA. **Lancet** 1987 Jan 3;1(8523):43

Sudden death in sleep of South-East Asian refugees [letter] Munger RG, et al. **Lancet** 1986 Nov 8;2(8515):1093–4

Does a siesta protect from coronary heart disease? [letter] Trichopoulos D, et al. **Lancet** 1987 Aug 1;2(8553):269–70

Dyskinesias while awake and periodic movements in sleep in restless legs syndrome: treatment with opioids. Hening WA, et al. **Neurology** 1986 Oct;36(10):1363–6

Comparison of neonatal nighttime sleep-wake patterns in nursery versus rooming-in environments. Keefe MR. **Nurs Res** 1987 May–Jun;36(3):140–4

Transepidermal water loss during sleep in infants at risk for sudden death. Kahn A, et al. **Pediatrics** 1987 Aug; 80(2):245–50

Level of stress and sleep duration. Hicks RA, et al. **Percept Mot Skills** 1987 Feb;64(1):44–6

Type A-B status, habitual sleep duration, and perceived level of daily life stress of college students. Hicks RA, et al. **Percept Mot Skills** 1986 Oct;63(2 Pt 2):793–4

Sleep troughs as indicators of endogenous and exogenous components of circadian rhythms. Vokac Z, et al. **Prog Clin Biol Res** 1987;227B:559–69

Instrumentation to describe subjective sleep characteristics in healthy subjects. Snyder-Halpern R, et al. **Res Nurs Health** 1987 Jun;10(3):155–63

Ventilation and gas exchange during sleep in patients with interstitial lung disease. McNicholas WT, et al. **Thorax** 1986 Oct;41(10):777–82

Rest behavior. Dallaire A. **Vet Clin North Am [Equine Pract]** 1986 Dec;2(3):591–607

[A spectacular and benign syndrome of neonatal convulsions: deep sleep myoclonus] Tardieu M, et al. **Arch Fr Pediatr** 1986 Apr;43(4):259–60 (Eng. Abstr.) **(Fre)**

[Nocturnal penile tumescence screening for impotence] Brooks ME, et al. **Harefuah** 1986 May 15;110(10):492–4 (Eng. Abstr.) **(Heb)**

[Sleep and bed-room environment—on the correlation between the seasonal changes in bed climate and sleep] Yanase T. **Ann Physiol Anthropol** 1985 Oct;4(4):331–3 **(Jpn)**

[Oxygen desaturation during sleep in patients with chronic obstructive pulmonary disease] Tatsumi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jun; 24(6):639–47 (Eng. Abstr.) **(Jpn)**

[The first night effect in cases of chronic obstructive pulmonary disease] Tatsumi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1986 Jul;24(7):779–84 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Aminophylline reduces the depth and duration of sedation with barbiturates. Krintel JJ, et al. **Acta Anaesthesiol Scand** 1987 May;31(4):352–4

Comparison of the pharmacological properties of pituitary and biosynthetic human growth hormone. Demonstration of antinatriuretic/antidiuretic and barbital sleep effects of human growth hormone in rats. Jørgensen KD. **Acta Endocrinol (Copenh)** 1987 Jan;114(1):124–31

Sensitivity of inbred and selectively bred mice to ethanol. Smolen A, et al. **Alcohol** 1987 Jan–Feb;4(1):57–62

Effect of prenatal alcohol exposure on neonatal sleep-wake behaviour and adult alcohol consumption in the AA and ANA rat lines. Hilakivi L, et al. **Alcohol Alcohol** 1987; 22(3):231–40

Recombinant tumor necrosis factor and interleukin 1 enhance slow-wave sleep. Shoham S, et al. **Am J Physiol** 1987 Jul; 253(1 Pt 2):R142–9

The effects of aminophylline on sleep and sleep-disordered breathing in patients with obstructive sleep apnea syndrome. Espinoza H, et al. **Am Rev Respir Dis** 1987 Jul; 136(1):80–4

Biochemical genetic variants in mice selectively bred for sensitivity or resistance to ethanol-induced sedation. Holmes RS, et al. **Anim Genet** 1986;17(3):235–44

Muramyl peptides, serotonergic system, and sleep. Mašek K, et al. **Ann NY Acad Sci** 1987;496:517–21

The influence of catecholamine systems and thyroid function on the actions of ethanol in long-sleep (LS) and short-sleep (SS) mice. Weiner N, et al. **Ann NY Acad Sci** 1987; 492:375–83

Ingestion of either scotch or vodka induces equal effects on sleep and breathing of asymptomatic subjects. Block AJ, et al. **Arch Intern Med** 1987 Jun;147(6):1145–7

The effect of activated charcoal on mouse sleep times induced by intravenously administered hypnotics. Adler LJ, et al. **Biopharm Drug Dispos** 1986 Sep–Oct;7(5):421–9

No effects on sleep of a histamine H1-receptor antagonist: temelastine. Adam K, et al. **Br J Clin Pharmacol** 1986 Dec; 22(6):718–20

Evidence that locus coeruleus is the site where clonidine and drugs acting at alpha 1- and alpha 2-adrenoceptors affect sleep and arousal mechanisms. De Sarro GB, et al. **Br J Pharmacol** 1987 Apr;90(4):675–85

Sleep and sleep substances. Inoué S. **Brain Dev** 1986; 8(4):469–73 (46 ref.)

A neuroanatomical gradient in the pontine tegmentum for the cholinoceptive induction of desynchronized sleep signs. Baghdoyan HA, et al. **Brain Res** 1987 Jun 30;414(2):245–61

Neurotensin selectively alters ethanol-induced anesthesia in LS/Ibg and SS/Ibg lines of mice. Erwin VG, et al. **Brain Res** 1987 Jan 1;400(1):80–90

The antagonistic effect of corticotropin-releasing factor on pentobarbital in rats. Imaki T, et al. **Brain Res** 1986 Sep 24;383(1–2):323–6

Bacterial peptidoglycans as modulators of sleep. I. Anhydro forms of muramyl peptides enhance somnogenic potency. Krueger JM, et al. **Brain Res** 1987 Feb 17;403(2):249–57

Aminophylline shortens thiopental sleep-time and enhances noradrenergic neurotransmission in rats. Louie GL, et al. **Brain Res** 1986 Sep 24;383(1–2):377–81

The dose-response effects of caffeine on sleep in rats. Yanik G, et al. **Brain Res** 1987 Feb 10;403(1):177–80

Dissociation of locomotor impairment from mydriasis evoked by clonidine injected into cat's rostral hypothalamus. Beleslin DB, et al. **Brain Res Bull** 1986 Sep;17(3):379–85

Effects of oral narcotics on sleep-disordered breathing in healthy adults. Robinson RW, et al. **Chest** 1987 Feb; 91(2):197–203

Effects of peptides (DSIP, DSIP analogues, VIP, GRF and CCK) on sleep in the rat. Obál F Jr. **Clin Neuropharmacol** 1986;9 Suppl 4:459–61

Comparison of short and long half-life benzodiazepine

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